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**CTD/STD MEASUREMENTS OFF THE  
NW AFRICAN COAST NEAR CABO  
CONVEIRO DURING JOINT-I**

R/V GILLISS Cruise GS7401  
Feb. 9 - Apr. 23, 1974

by  
E. D. Barton  
M. R. Stevenson  
and  
W. E. Gilbert

Data Report 63  
Reference 75-3  
March 1975

Office of the International  
Decade of Ocean Exploration  
National Science Foundation  
Grant GX-33502

OREGON STATE UNIVERSITY

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## Abstract

Hydrographic measurements, made with CTD and STD probes in the vicinity of Cabo Corveiro, NW Africa during the JOINT-I experiment in Spring 1974, are presented. Computer plots of the vertical profiles of temperature, salinity, and sigma-t are shown for each hydrographic station. Associated values of temperature, salinity, sigma-t, specific volume anomaly, dynamic height anomaly, and potential energy are tabulated at selected depth intervals. Meteorological and location information for each station is also given.

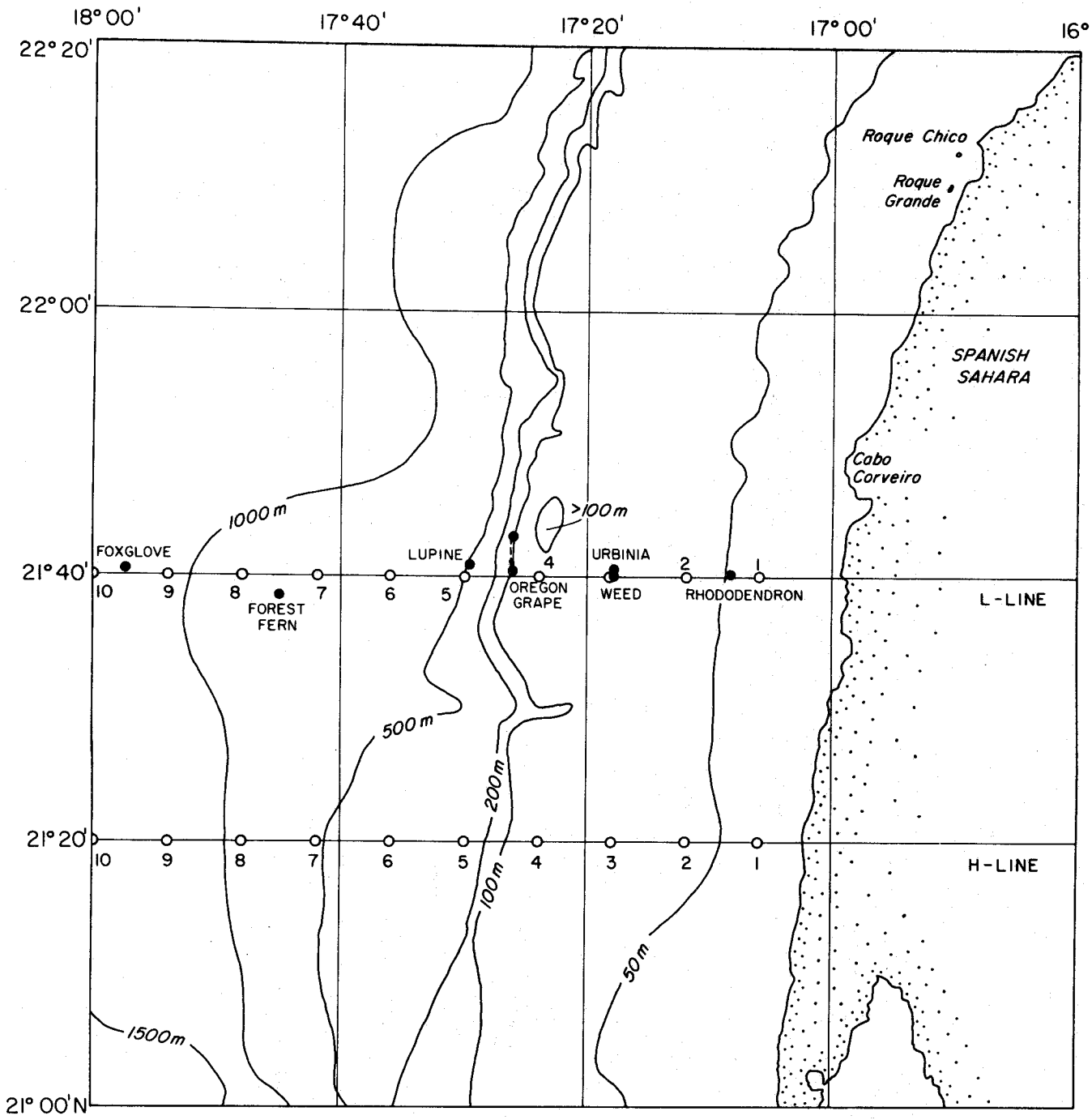


Fig. 1. Standard hydrographic stations and current meter moorings during JOINT-I.

## Introduction

This data report contains a summary of the hydrographic data gathered by R/V GILLISS during February, March, and April 1974 as part of the Coastal Upwelling Ecosystems Analysis field program known as JOINT-I. Repeated hydrographic surveys were made at a series of stations over the Northwest African continental shelf and slope off Spanish Sahara (Fig. 1). The main line of stations sampled was situated along 21°40'N, the latitude of the Oregon State University current meter mooring array deployed during JOINT-I. A second station line at 21°20'N was surveyed twice during the cruise. In addition, several time series stations were made in conjunction with Profiling Current Meter (PCM) measurements and a number of casts were made while following parachute drogues. Observations from the moored current meters are reported separately (Pillsbury et al., 1975).

## Cruise Information

R/V GILLISS cruise GS7401 proper was preceded by a shakedown cruise GS7401A designed to check out shipboard equipment and develop techniques for using O.S.U. instruments aboard the vessel. During the shakedown cruise, which departed Miami, Florida at 1600 (local time) 5 February and returned to Miami 0930 6 February, two test CTD casts were made. These are excluded from this report, as are all later test casts.

The cruise itself was divided into three scientific legs:

Leg 0 - Miami to Las Palmas, 9 - 27 February 1974;

Leg 1 - Las Palmas to Las Palmas, 3 - 19 March 1974;

Leg 2 - Las Palmas to Las Palmas, 22 March - 9 April 1974.

An outline of the work accomplished during each leg is given below.

## Leg 0

GILLISS arrived in the JOINT-I experimental area late 22 February and surveyed both the L-line (24°40'N) and the H-line (21°20'N) once. Moorings Rhododendron and Urbinia, both with subsurface current meter strings and surface meteorological buoys, were installed on 23 and 24 February in depths of 42 meters and 67 meters respectively. The ship headed for Las Palmas on 25 February. Scientific personnel were from Oregon State University: Dr. R. L. Smith, Mr. R. E. Still, Mr. B. Moore, Mr. R. Kapaun, Mr. D. Root, Mr. D. Barstow and Mr. T. Wright; and from Environment Canada: Dr. A. Huyer.

## Leg 1

During this leg, ten transects were made along the L-line and one along the H-line. An anchor station was maintained from 1315 GMT 8 March to 1431 GMT 9 March in 97 meters of water. At this station a number of PCM casts were interspersed between CTD casts. In association with drogue tracking experiments (between 1012 GMT 15 March and 0520 GMT 17 March), 17 CTD casts were made.

Over the period 4 - 7 March, current meter moorings Weed (in 67 meters depth), Oregon Grape (with surface meteorological buoy in 104 meters depth), Lupine (in 400 meters depth), and Foxglove (meteorological buoy only, in 1200 meters of water) were installed. On 16 March the current meter string at Foxglove was installed and during the following day moorings Rhododendron and Urbinia were retrieved and reinstalled.

The scientific party was composed of contingents from Oregon State University: Dr. R. L. Smith, Dr. E. D. Barton, Mr. R. E. Still, Mr. T.

Wright, Mr. D. Root, Mr. D. Barstow, Mr. R. Kapaun, Mr. B. Moore; from Environment Canada: Dr. A. Huyer; from Inter-American Tropical Tuna Commission: Dr. M. Stevenson, Mr. R. Wagner, Mr. S. van Voorhis; from Deutsches Hydrographisches Institut, Hamburg, Germany: Dr. E. Mittelstaedt, Mr. K. Huber; and from the University of Liverpool, England: Mr. P. Hughes.

## Leg 2

The work during this leg was again comprised of hydrographic sampling, drogue tracking, PCM anchor stations and mooring activities. The L-line was occupied on five occasions. Fifteen drogue stations were made between 1435 GMT 28 March and 0324 GMT 1 April. PCM stations were occupied in the periods 25 to 27 March, 29 to 31 March, and 1 to 3 April. On 24 March, the Forest Fern current meter string and surface meteorological buoy were moored in 788 meters depth. The Oregon Grape mooring and meteorological package were serviced the following day, and on 6 April moorings Foxglove, Lupine and Weed were retrieved intact.

Scientific personnel were from Oregon State University: Dr. R. D. Pillsbury, Dr. E. D. Barton, Dr. D. R. Johnson, Mr. R. E. still, Mr. D. Barstow, Mr. B. Moore, Mr. R. Kapaun; from the Inter-American Tropical Tuna Commission: Dr. M. Stevenson, Mr. R. Wagner, Mr. S. van Voorhis; from the Deutsches Hydrographisches Institut: Dr. E. Mittelstaedt, Mr. K. Huber; from the University of Ghana: Dr. R. Houghton; and from the Fishery Research Unit, Ministry of Agriculture, Ghana: Mr. Enoch Opey.

The hydrographic work is summarized in two figures. The temporal and spatial distribution of hydrographic casts made along the L-line



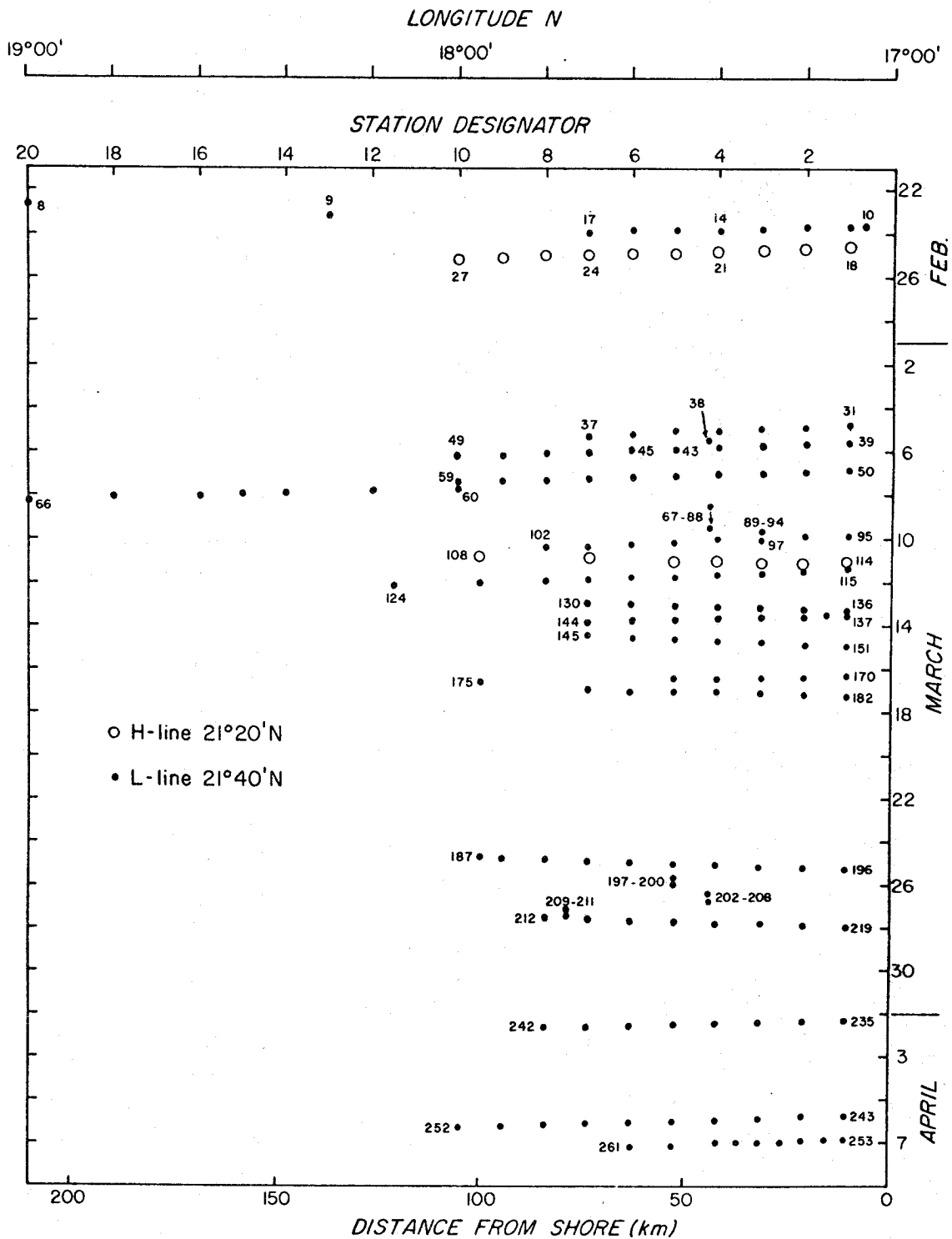


Fig. 2. Temporal and spatial distribution of hydrographic casts made along the L-line (21°40'N) and the H-line (21°20').

(21°40'N) and the H-line (21°20'N) is shown in Figure 2. This illustrates the dates and longitudinal positions of stations made during all the sections and anchor stations. Drogue station positions are shown in Figure 3.

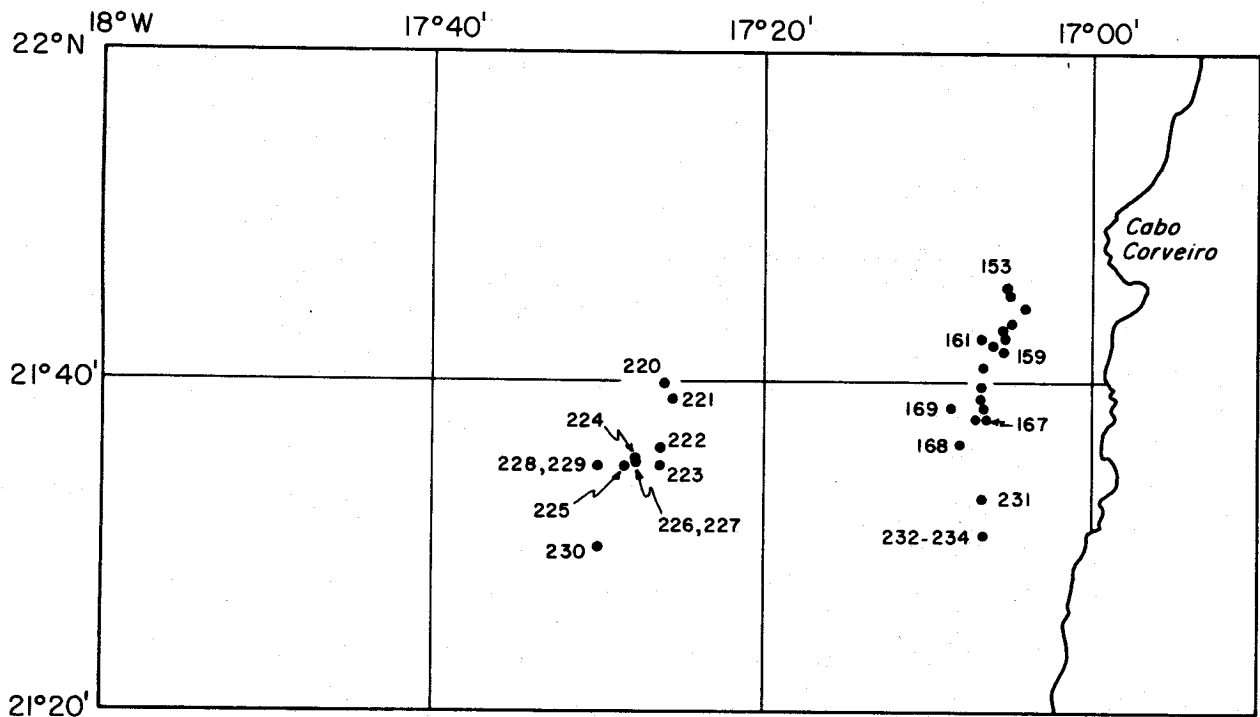


Fig. 3. Positions of hydrographic casts made during parachute drogue experiments. Casts 153-169 were made on 15 and 16 March; casts 200-234 between 28 March and 1 April.

#### Data acquisition

During the course of the cruise four different probe units were used, three Geodyne conductivity-temperature-depth (CTD) units and one self-contained Bissett-Berman 9060 salinity-temperature-depth (STD) unit. One

of the Geodyne units, CTD 1, had been used extensively in CUE-I and CUE-II (Huyer, 1974). None of the CTD units functioned well throughout the whole cruise. Backup unit CTD 2 produced noisy profiles and was rejected. CTD 1 produced good profiles but became unreliable after striking the ship's hull in high seas and was not used thereafter. CTD 3, the primary instrument, although it suffered from a persistent fault discussed later, was preferred to the STD because of its higher resolution and greater depth range. It was eliminated, however, at station 200 by colliding with the hull of the GILLISS in a moderate swell and sustaining irreparable damage. As the sampling rates of the three CTD probes were different, depth intervals between observations were also different for a given descent rate (ideally 15 m/minute, usually faster). The obtained frequency of observation was usually better than one observation every 3 meters for all CTD units and almost one per meter for CTD 3 which had the fastest sampling rate (see Table 1). The STD probe salinity and temperature data were recorded as continuous analog plots versus depth on an internal two pen recorder. As a rule, data was recorded during both lowering and raising of the probes. Descent and ascent rates, therefore sampling rates, were comparable.

Table 1

<u>Probe</u>	<u>Sampling Rate</u>	<u>Stations where used</u>
CTD 1	Once in 4 sec	30, 92-107
CTD 2	Once in 2 sec	207-216
CTD 3	Three times in 4 sec	8-29, 31-91, 108-200
STD	Produces analog trace	202-206, 217-261

Identical sampling procedures were used with all instruments. At shallow stations measurements were taken to within 10 m of the bottom where possible. An NIO water bottle, mostly with reversing thermometers, was routinely placed 2 m above the probe sensors. The bottle was tripped with a messenger at some known depth after a wait of 5 minutes for the reversing thermometers to reach a steady value at that depth. For each CTD cast, a salinity sample was drawn and the reversing thermometers read by two observers. On occasion more than one NIO bottle was hung on the CTD wire.

Weather observations, with the exception of wet and dry bulb air temperatures which were measured by the scientific watch, were recorded by the bridge officers.

#### Data processing

The CTD and STD data sets, by necessity, were processed differently.

##### a) CTD data

The CTD units have sensors to measure pressure, temperature, and conductance. The sensor outputs are digitized sequentially at regular intervals and recorded on magnetic tape, and on paper tape as a backup. The data is also made immediately available aboard ship as a teletype listing and as a graphical output.

The recorded digital output was converted to nominal values of pressure, temperature and conductivity by means of formulae previously derived for each probe. Depths in meters were assumed to be equal to pressures in decibars rounded off to the nearest whole number. Depth resolution of the probes is about 1 meter. The data from each CTD cast were divided into a

profile obtained while lowering the probe and one obtained while raising it. In these profiles, observations at the same depth were averaged and values outside prescribed limits were deleted. NIO bottle salinity data and reversing thermometer data were used to derive a correction for the probe values. Temperature and salinity samples were collected on most CTD casts. The sample depths were 2 meters less than the probe depth at the time when the sample was taken, except when there was more than one bottle on the wire.

CTD temperatures were compared with reversing thermometer temperatures at the same depth. The mean and standard deviations of the differences were calculated. In no case did a temperature correction appear necessary.

An inductive salinometer was used to determine sample salinity. The error is estimated at less than 0.01 o/oo. The conductivity of each water bottle sample was computed from depth, sample temperature and sample salinity. In the case where no reversing thermometers were used, CTD temperature at the sample depth was assumed to be the same as sample temperature. For each set of data, sample and CTD conductivities were compared and the best fit straight line according to the least squares criterion was calculated. The derived linear function was used to correct all CTD conductivity data in that set. Corrected salinity was calculated from depth, temperature and conductivity using the equations of Perkin and Walker (1972).

The conversions from sensor digital output to nominal engineering units are listed in Table 2 for each probe. Statistics of the temperature calibrations are shown in Table 3. The derived conductivity corrections are listed in Table 4.

Table 2. Original conversions from sensor digital outputs to nominal engineering units. PWORD, TWORD, CWORD are the segments of the digital output corresponding to pressure, temperature and conductivity.

CTD 1	$P = -10.4281 + 0.506372 \times DWORD - 1.11290 \times 10^{-6} \times DWORD^2$ (db)
	$T = -1.8633 + 8.9880315 \times 10^{-3} \times TWORD + 1.204592 \times 10^{-8} \times TWORD^2$ (°C)
	$C = 0.568 + 1.45504 \times 10^{-2} \times CWORD$ (mhos/cm <sup>2</sup> )
CTD 2	$P = 0.263606 - 12.92 \times DWORD$ (db)
	$T = -2.33207 + 1.150145 \times 10^{-2} \times TWORD - 8.94743 \times 10^{-7} \times TWORD^2 + 1.58108 \times 10^{-10} \times TWORD^3$ (°C)
	$C = 1.443 \times 10^{-2} \times CWORD$ (mhos/cm <sup>2</sup> )
CTD 3	$P = -7.60 + 5.06372 \times 10^{-1} \times DWORD - 1.11290 \times 10^{-6} \times DWORD^2$ (db)
	$T = -2.0534 + 8.977442 \times 10^{-3} \times TWORD + 1.188935 \times 10^{-8} \times TWORD^2$ (°C)
	$C = 28.6176 + 0.95837 \times 10^{-2} \times CWORD$ (mhos/cm <sup>2</sup> )

Table 3. Temperature Calibrations

CTD Unit	Number of Comparisons	Sample temperature-CTD temperature Mean	Standard deviation
1	17	-0.02	± 0.03
2	12	-0.01	± 0.04
3(Leg 0)	26	0.01	± 0.03
3(Leg 1)	191	0.00	± 0.02
3(Leg 2)	3	0.04	----

Table 4. Coefficients of the least squares straight line fit,  $y = a + bx$ , between sample conductivity and CTD conductivity.

CTD unit	Number of comparisons	a	b
1	17	-0.6792	0.98698
2	12	0.0600	1.00000
3(Leg 0)	26	0.0904	0.99688
3(Leg 1)	102	0.1591	0.99500
3(Leg 2)	20	-0.0644	1.00020

Because of the small number of comparisons and their limited conductivity range, a straight line fit was not made to the set of data from CTD 2. Instead, the mean difference between sample conductivity and CTD conductivity was used to correct the latter.

A fault in CTD 3 caused erroneously low conductivity values to be recorded during the descent through the upper 30 meters. All salinity values in the depth range 0-30 meters were excluded from the calibration procedure. Temperature samples at the same depths were included. The data were separated into groups from Legs 0, 1, and 2 for calibration.

Conductivity calibrations for Legs 0 and 1 were carried out using deep samples only. Then, for both legs, sample salinities in the upper layers were compared with the CTD salinities based upon calibrated conductivity. Salinities from 'down' profiles and 'up' profiles were compared separately (Figure 4). CTD salinities in the descending profiles deviate widely above 20 meters from sample salinities and have a large scatter, whereas those from ascending profiles agree well considering that there was usually a significant time lag between the taking of the bottle sample and the CTD's reaching that depth. Descending profiles obtained by CTD 3 were discarded in favor of ascending profiles wherever possible. If no up trace existed, then the down trace was corrected in the upper layers by reference to the salinity samples. When there were none, it was assumed that the upper 20 meters were well mixed with respect to salinity. In 34 cases, it was necessary to use the down trace. Of these, five profiles were assumed to be of constant salinity in the upper 20 m even though temperature was not uniform in that layer.

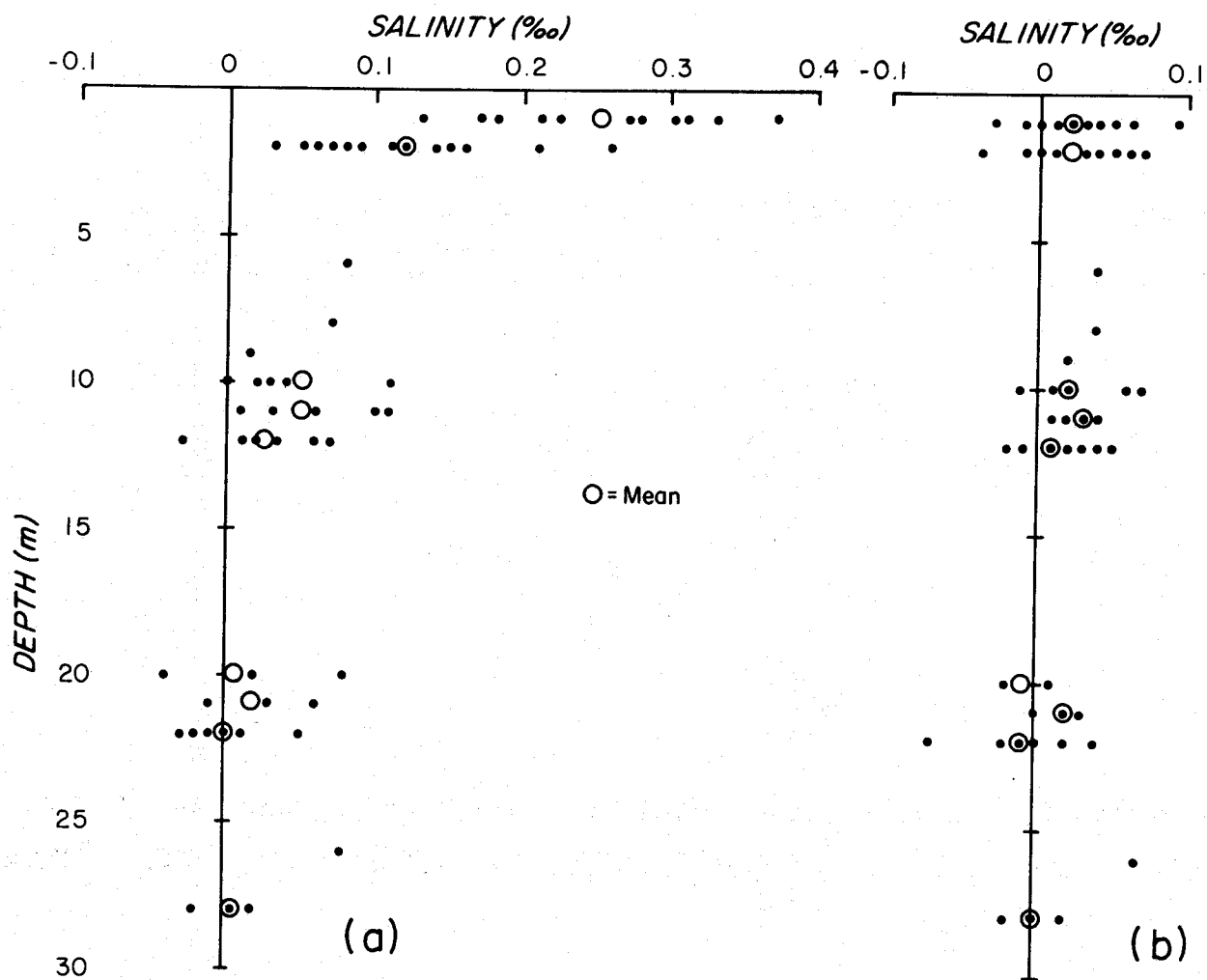


Fig. 4. For CTD 3: a) Differences between salinity samples and probe salinities measured during probe descent plotted versus depth  
 b) Differences between salinity samples and probe salinities measured during recovery of probe plotted versus depth.



They are casts 12, 38, 39, 58, and 65. Conductivity calibration for Leg 2 included shallow samples and the corresponding CTD conductivities obtained during ascent of the probe.

Figures 5, 6, 7, 8 and 9 show for each set of separately calibrated data the differences between sample temperatures and CTD temperatures plotted versus (a) sample temperature and (b) station number, and the corresponding salinity differences plotted versus (c) sample salinity and (d) station number. Only salinities are shown in Figure 9 because of the insignificant number of temperature comparisons for CTD 3 Leg 2.

Sigma-t was computed from the calibrated data using Knudsen's equation as reported by Sweers (1971). Profiles of temperature and salinity were examined for anomalous values. Obviously erroneous values were deleted or, if a correct value was evident, replaced. Sigma-t was corrected when temperature or salinity values were replaced. To complete the basic data file, location and weather data for each profile were punched on cards and merged with the CTD observations. For probes CTD 1 and CTD 2 the descending profiles have been preferred because of their marginally smaller sampling interval in depth.

An undesirable degree of noisiness was evident in the salinity (therefore sigma-t) profiles, mainly associated with regions of relatively high temperature gradient. To suppress this effect, a smoothing routine for salinity was developed. For each profile, the temperature gradient at each level was calculated by fitting a quadratic function through each set of three temperature observations adjacent in depth. The temperature gradient at the center point is given by the differential of the quadratic function at that depth. The salinity profile was smoothed using a filter

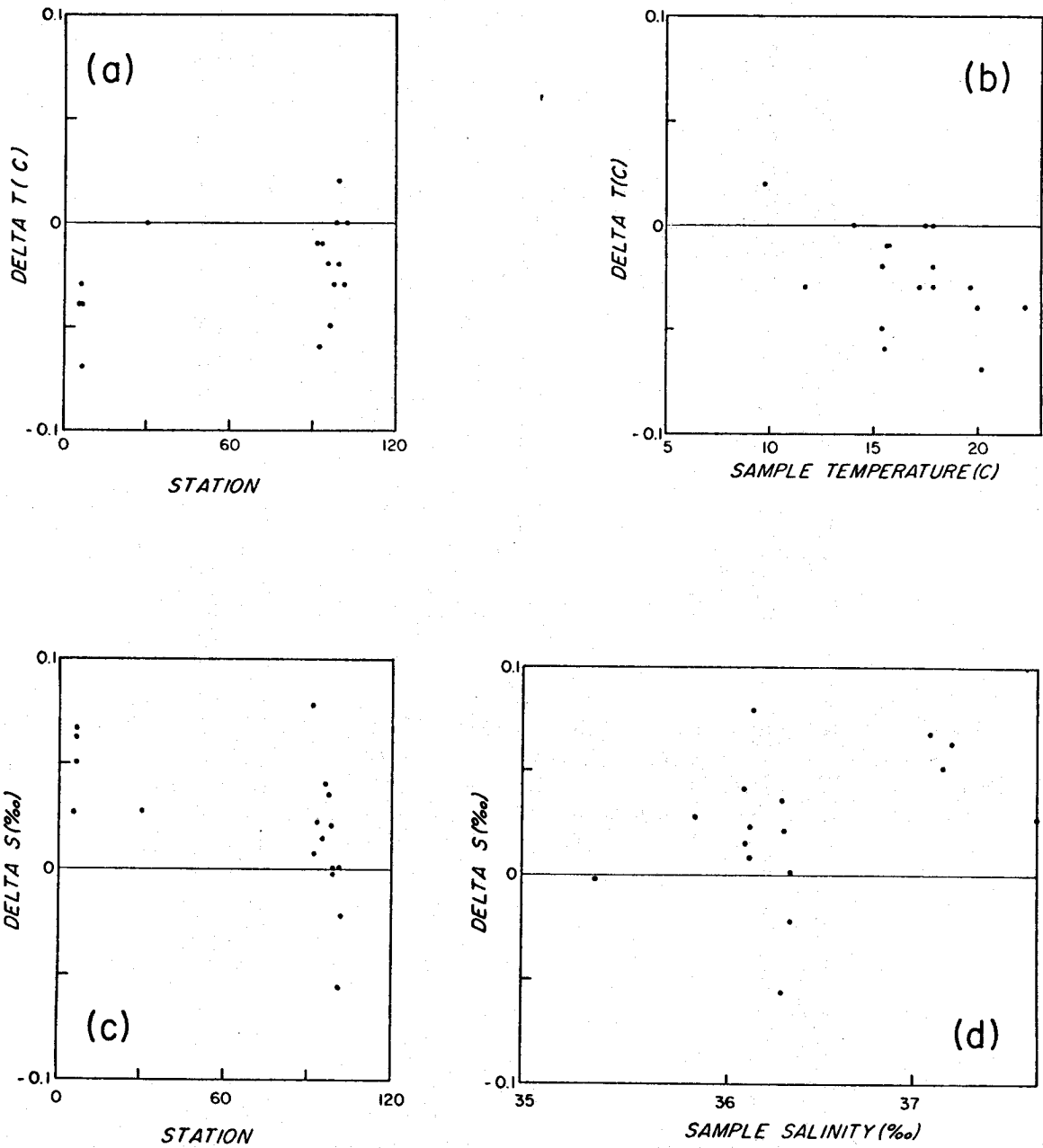


Fig. 5. For CTD 1: a) (Sample temperature - CTD temperature) plotted versus station number b) (Sample temperature - CTD temperature) plotted versus sample temperature c) (Sample salinity - CTD salinity) plotted versus station number d) (Sample salinity - CTD salinity) plotted versus sample salinity.

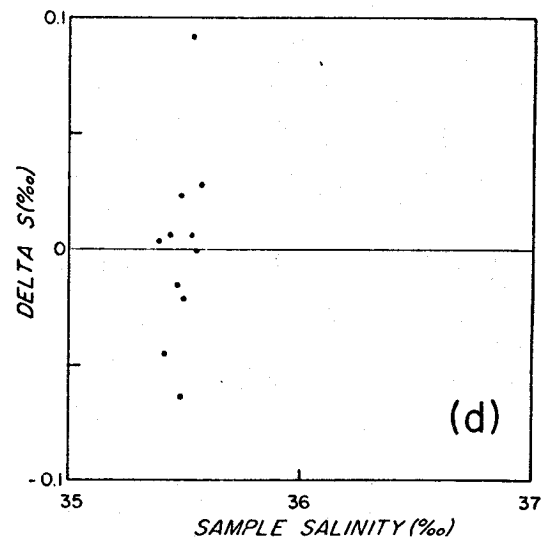
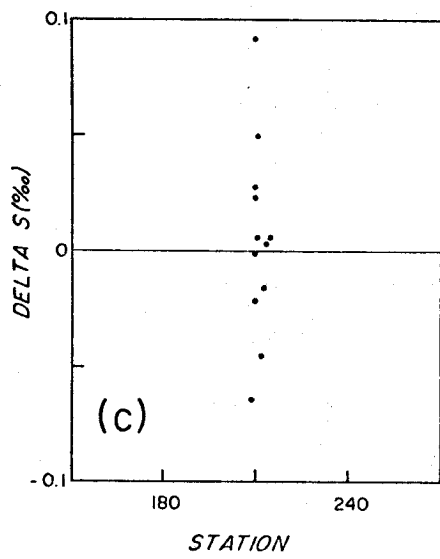
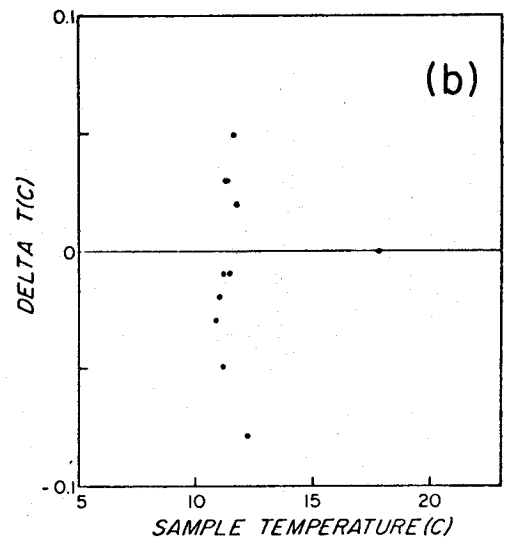
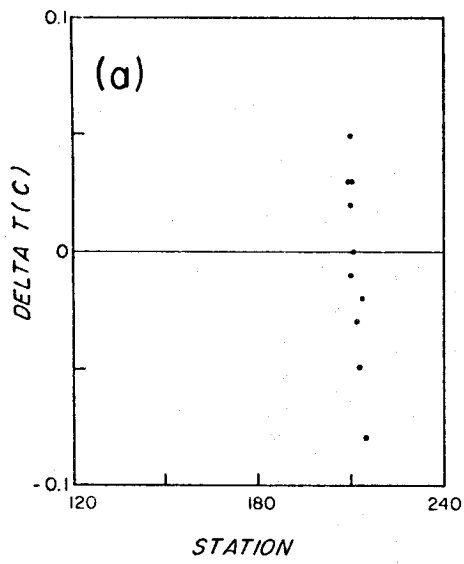


Fig. 6. For CTD 2: same as Fig. 5.

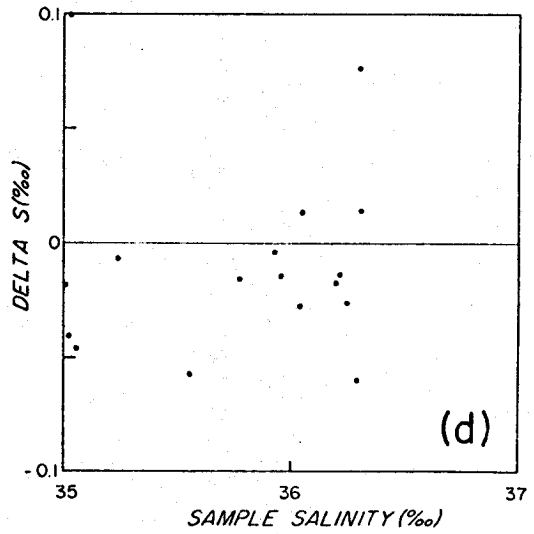
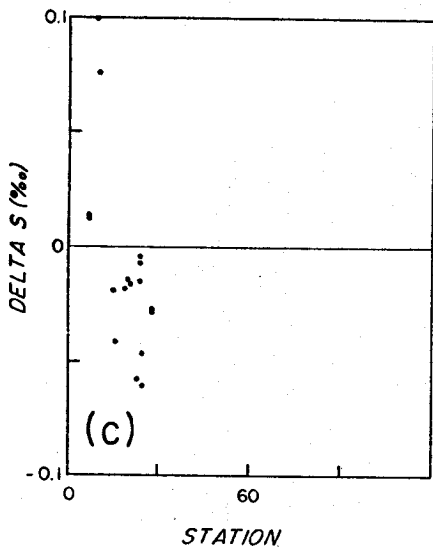
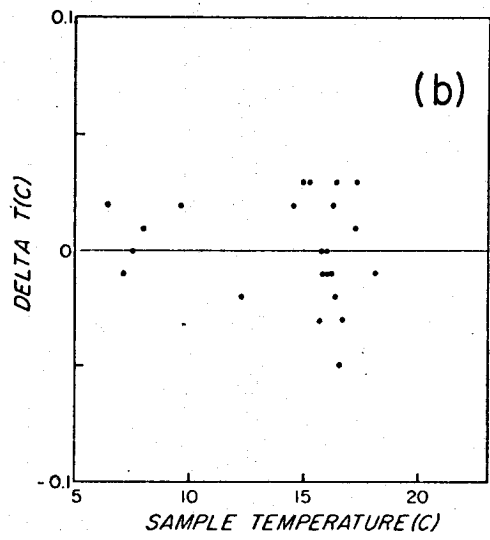
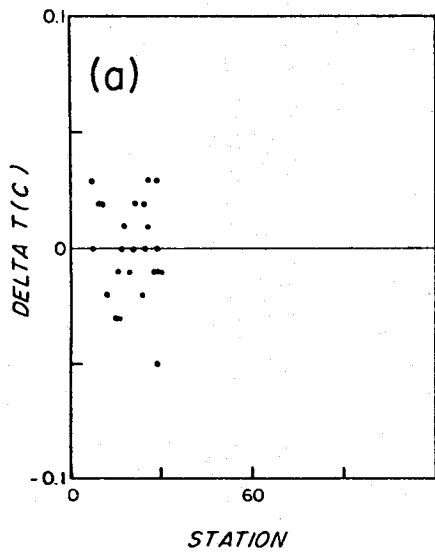


Fig. 7. For CTD 3 (Leg 0): same as Fig. 5.

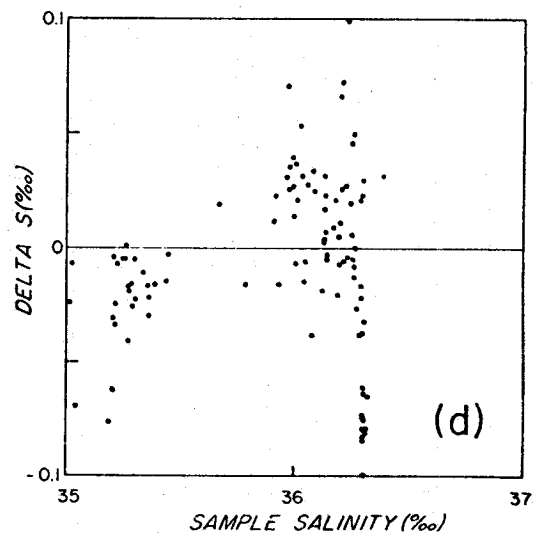
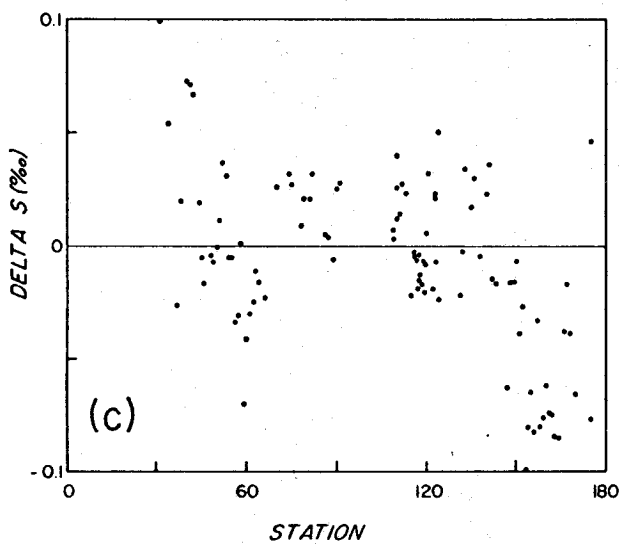
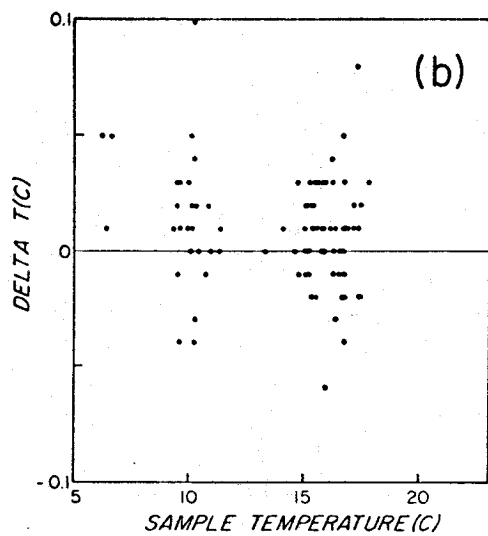
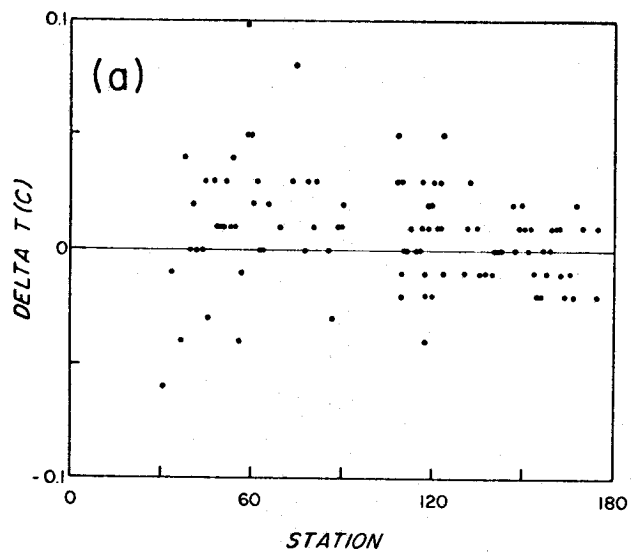


Fig. 8. For CTD 3 (Leg 1): same as Fig. 5.

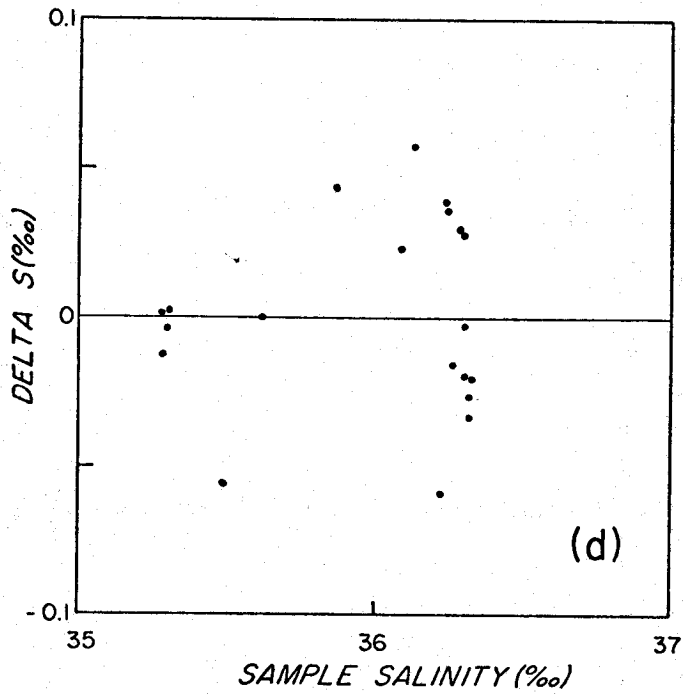
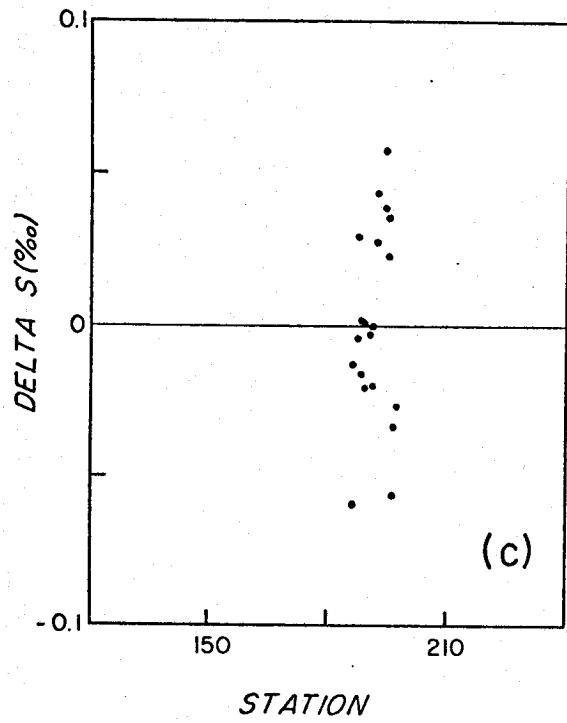


Fig. 9. For CTD (Leg 2): same as Fig. 5 c) and d).

based on the inverse of the temperature gradients. For every five observations, weights were calculated equal to the reciprocal of the modulus of the corresponding temperature gradients. The five weights were then normalized by dividing each by their sum. A new value of salinity was assigned to the mid-depth level as the weighted sum of salinity over the five points. This filter gives least weight to salinities associated with strong temperature gradients, thus reducing salinity spiking. Figures 10 and 11 show the effects of the routine on two profiles. It can be seen that the filter is effective in significantly reducing the noise in both salinity and sigma-t, even in very noisy profiles such as cast 64 (Figure 11).

The unsmoothed profiles are illustrated to depict the quality of the original data, but the listings of data at standard depths are from the filtered profiles to suppress the spiking errors in the numerical values.

#### b) STD data

Measurements of temperature and salinity were made with a self-contained Plessey Environmental Systems Model 9060 Salinity/Temperature/Depth (STD) instrument and were recorded in an analog mode on a 2-pen recorder. During the cruise, data were recorded on both the descent and ascent parts of each cast. On almost every cast, the STD was calibrated with NIO bottles and reversing thermometers. In addition, surface water samples were taken each time an STD cast was made and salinity determinations were made from these samples with an inductive Autolab salinometer. The uncertainty in these determinations is considered to be  $\pm 0.003$  o/oo (Brown and Hamon, 1961).

Many STD users prefer to collect data on the descent part of each cast. The reasons are diverse and will not be reviewed here other than to note

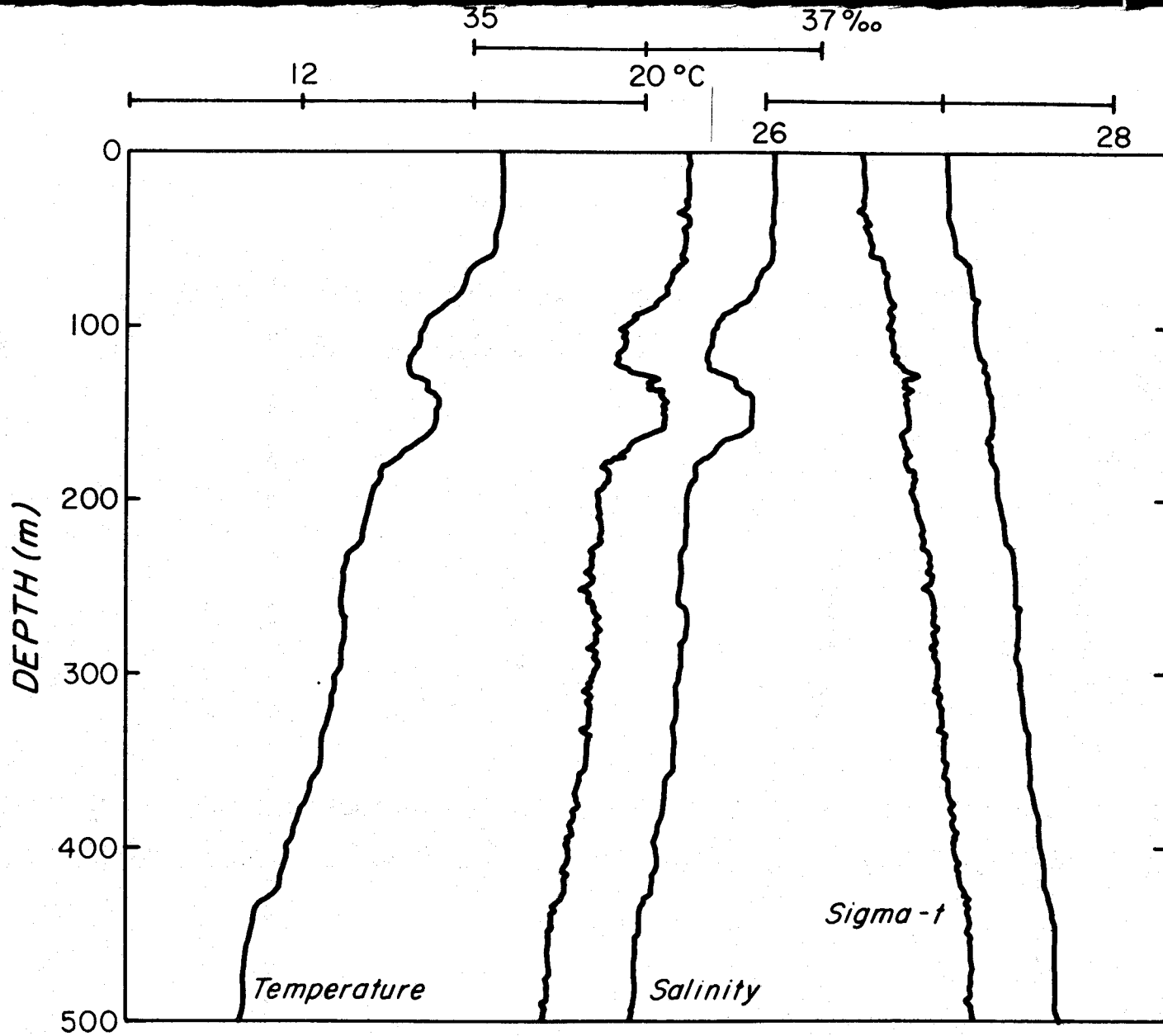


Fig. 10. Effect of smoothing salinity profile on salinity and sigma-t on CTD cast 15. Smoothed salinity and sigma-t profiles are offset to right by 0.5 o/oo and 0.5 sigma-t units.



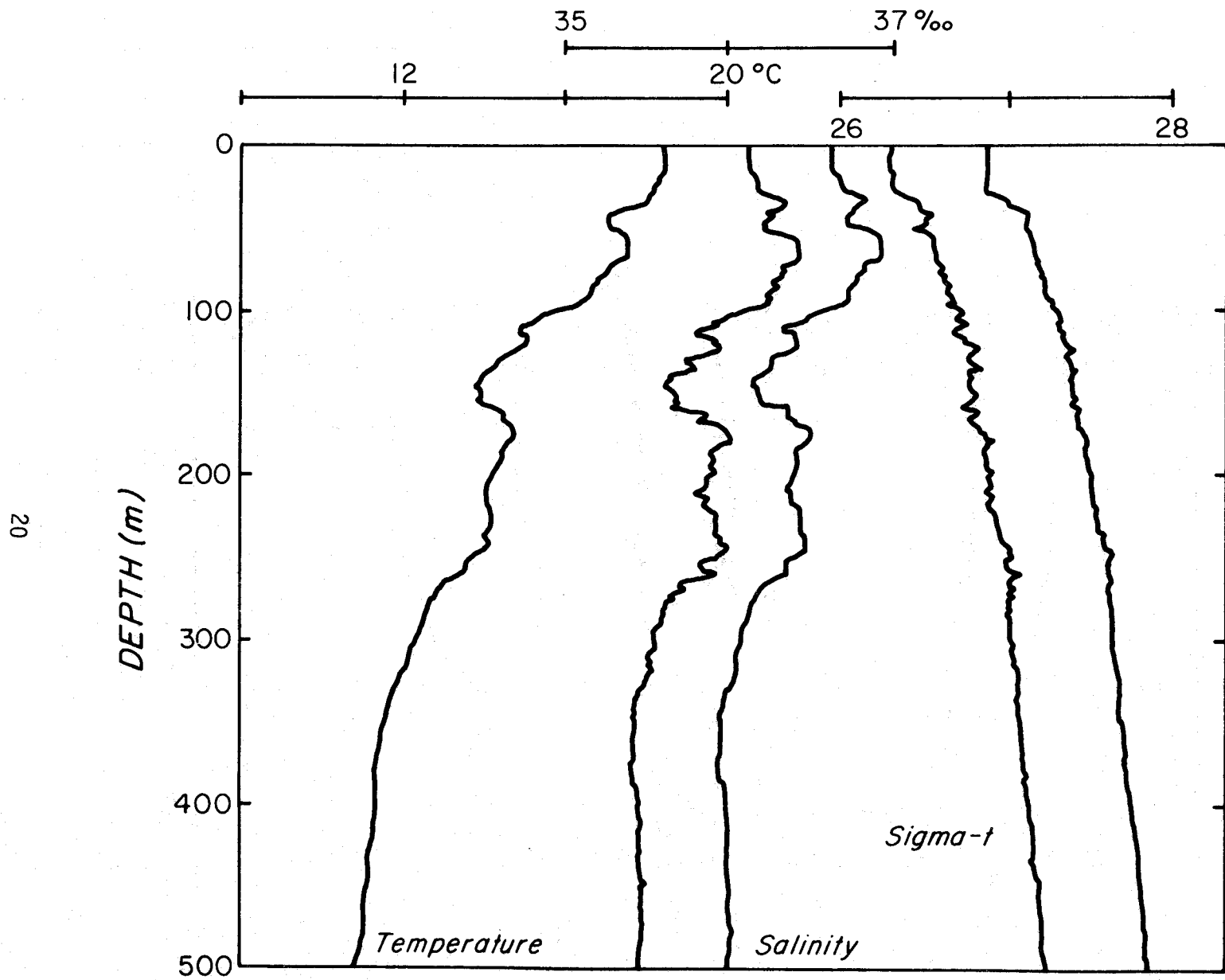


Fig. 11. Same as Fig. 10 but for CTD cast 64.

that with the larger shipboard STD systems, the sensor packages are often large and may stir up the water as they pass through the water column. The descent casts are preferred because the sensors are placed near the base of the sensor cage where mixing action is minimal. During JOINT-I, STD records were made on both descent and ascent parts of the cast.

Intercomparisons between the STD and CTD were made on two occasions and included NIO bottles and reversing thermometers. Comparisons between NIO bottle data and STD data are shown in Figures 12a and b. STD data were compared with NIO bottle data in two ways. First, STD temperature and salinity observations were compared with those from the simultaneous NIO cast; then the  $\Delta T$  and  $\Delta S$  from matched STD and NIO observations were compared as a function of time as shown in Figures 13a and b. Equations for lines shown in Figures 13 a and b are given below. Because both temperature and salinity were found to vary with time,  $\Delta T$  and  $\Delta S$  corrections were determined for both variables over the time interval of the STD measurements.

For temperature the corrections to be added were Eq.

$$\Delta T = 0.01083t + 0.0638 \quad 1$$

where  $t$ (in days)  $\leq 7.5$  (April 1 at noon) and

$$\Delta T = -0.00545t + 0.1858 \quad 2$$

where  $t > 7.5$ .

For salinity the corrections to be added were

$$\Delta S = -0.0244t + 0.0334 \quad 3$$

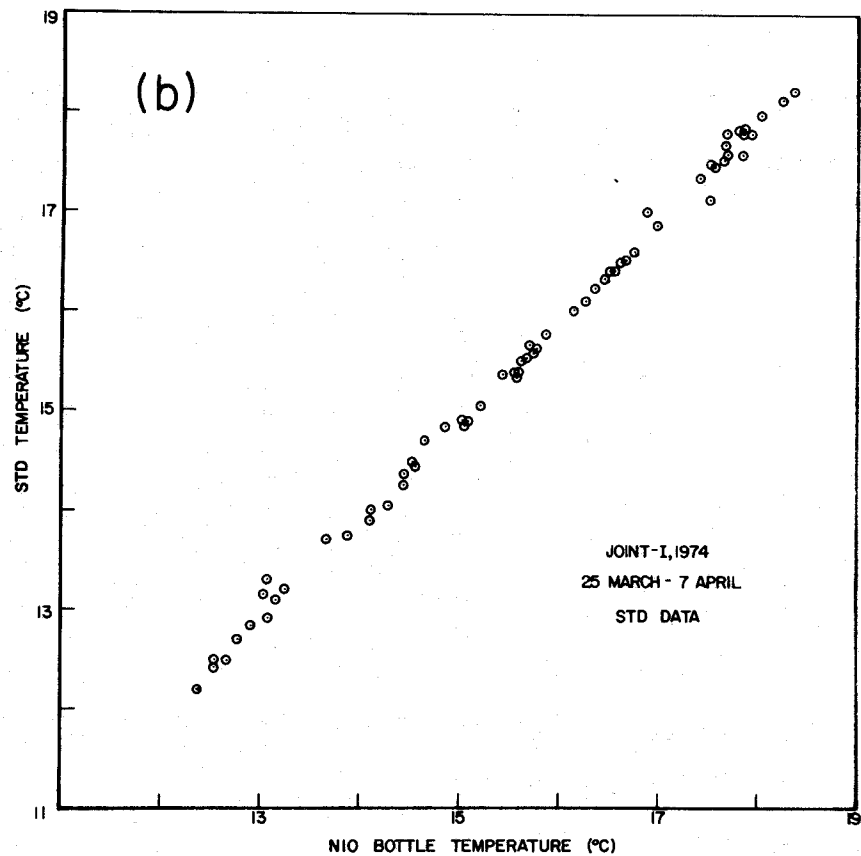
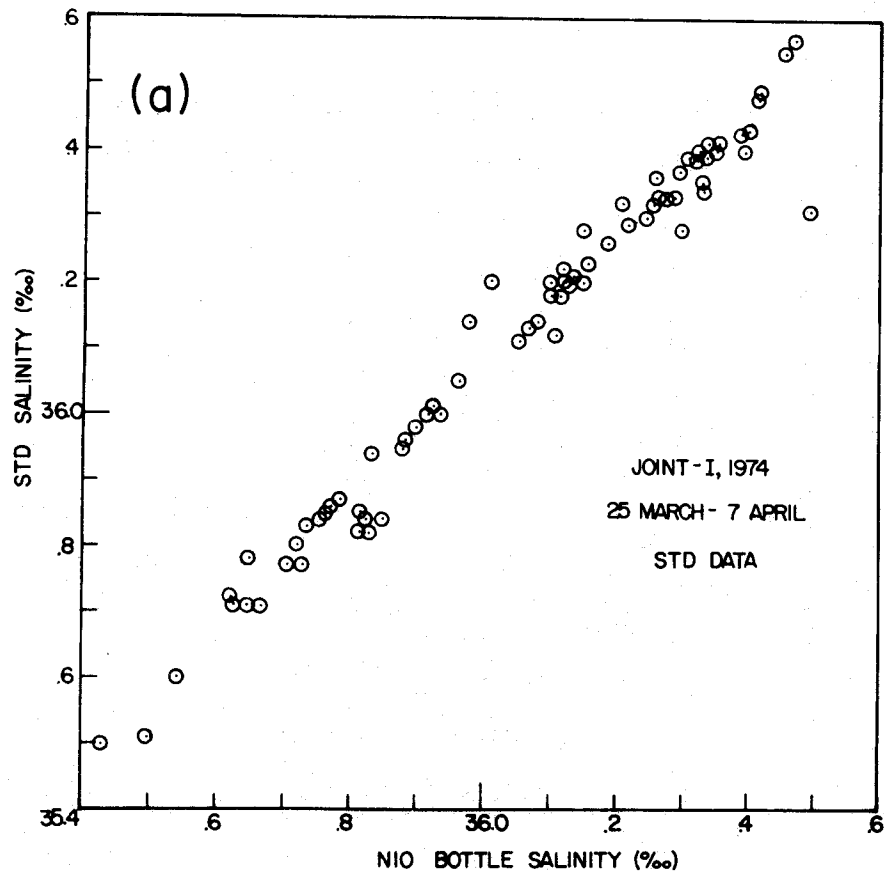


Fig. 12. a) Comparison between NIO bottle and STD probe salinity measurements b) Comparison between reversing thermometer and STD probe temperature measurements.

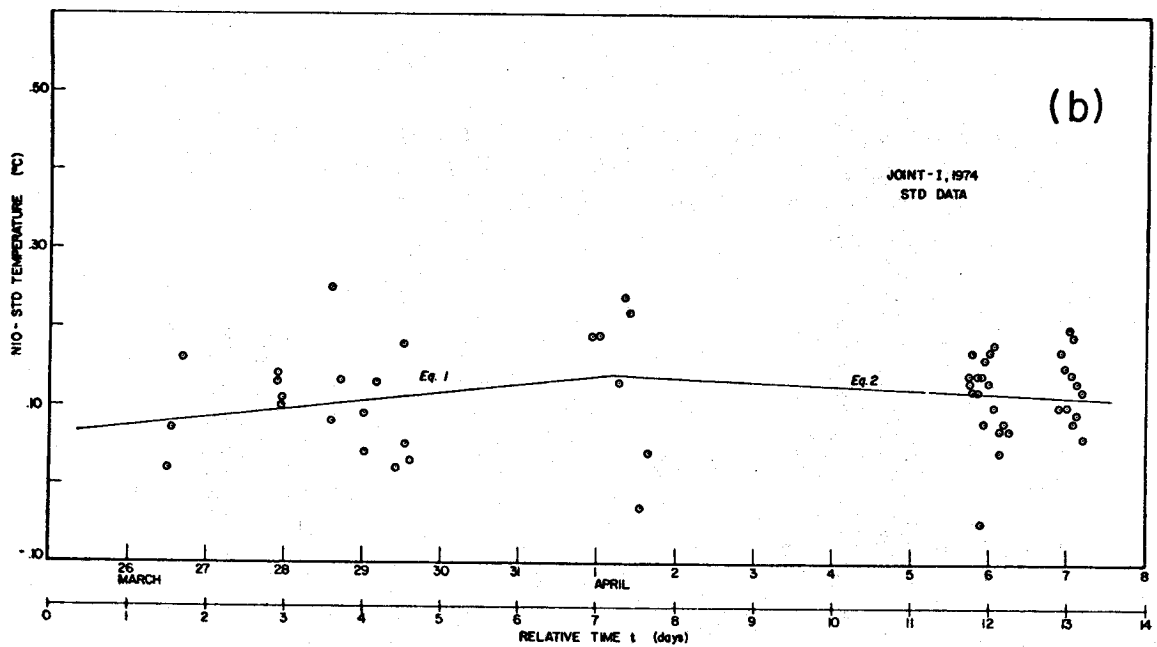
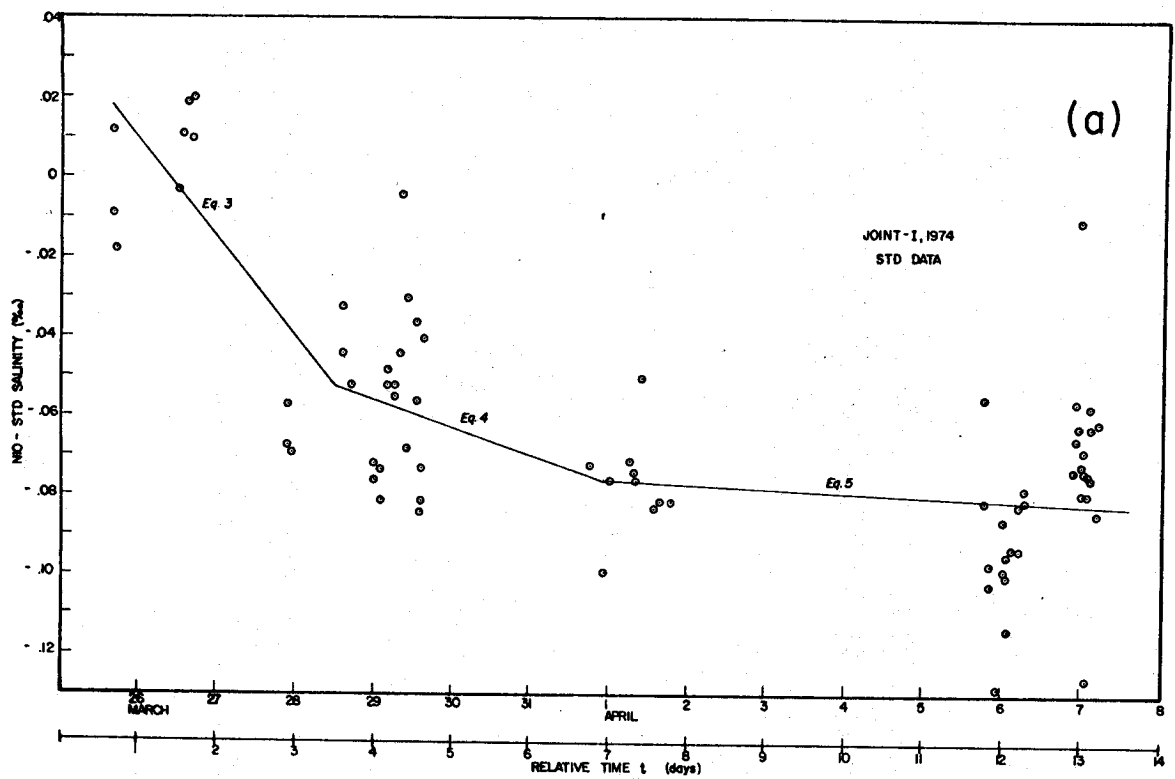


Fig. 13. a) Differences between NIO bottle and STD probe salinities plotted versus time b) Differences between reversing thermometer and STD probe temperatures plotted versus time.

where  $t$  (in days)  $< 3.5$  (March 28 at noon)

$$\Delta S = -0.0068t - 0.028 \quad 4$$

where  $3.5 \leq t \leq 7$  and

$$\Delta S = -0.001t - 0.069 \quad 5$$

where  $t > 7$  (April 1).

All analog traces from the STD were manually digitized. The procedure used on the STD traces differed, depending upon whether or not the cast consisted of single or double traces, that is, whether the instrument recorded data on only the descent or on both the descent and ascent parts of the cast. If the trace was double, as was mostly the case with STD data from JOINT-I, the two traces differed and an envelope was produced due to time constant limitations in the temperature sensor and compensation circuitry. The two sides of the envelope represent the error limits for changes in temperature and salinity one might expect for a particular cast. Temperature and salinity values were read from a new trace produced by a bisection of the envelopes. While the bisection technique is somewhat subjective, the resulting profiles are reasonably free of errors caused by the compensation problem.

An adequate sampling or digitizing interval is important so that the digitized data may be used to reconstruct a clean and calibrated version of the original raw data. The basic procedure was to routinely digitize the temperature and salinity at 1-3 m depth intervals where the curves possessed maximum, minimum, inflection points. In the event that an inflection point was present in only one parameter at a certain depth, the other parameter was also digitized. These uncorrected STD data were then put onto punch cards.

prior to processing with an STD computer program. The program used has been modified from an earlier magnetic tape compatible version (Jones, 1969). The program consists of a short main program and several subroutines. The first subroutine is used to smooth each of the parameters (including depth) using a 3-point filter for the second and the next to last data points in the series. No smoothing correction is applied to the first and last data points. The remaining parts of the temperature, salinity and depth series are smoothed with a 5-point cosine filter. The smoothed series are next passed to a subroutine where temperature, salinity and depth are linearly interpolated at 1 m intervals. At this point there is a difference in the subsequent methods used to process the data. If the original data came from a double trace no thermal gradient compensation is needed and the calibration factors are added and the data printed out in a tabular format and punched onto cards. If the STD cast is a single trace (descent), the data are passed through a subroutine for temperature and salinity compensation.

#### STD/CTD Intercomparison

An intercomparison between the Bissett-Berman STD unit and CTD 3 was made during casts 197 and 198. The STD was hung below the CTD probe and both units were lowered to 300 m, the depth limit of the STD. In Figures 14a and b, data from the descending and ascending CTD profiles are plotted on the same axes as the STD data. The CTD and STD data have been filtered by the methods described in the previous section.

At many depth levels in both sets of profiles, differences in temperature and salinity occur between 'up' and 'down' CTD data. These are more

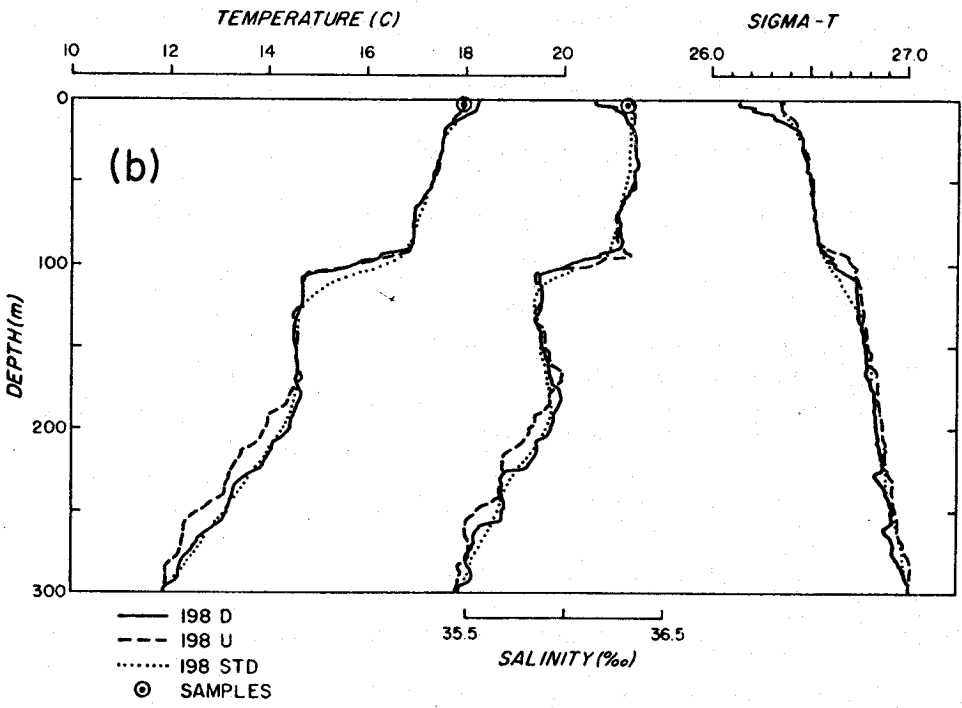
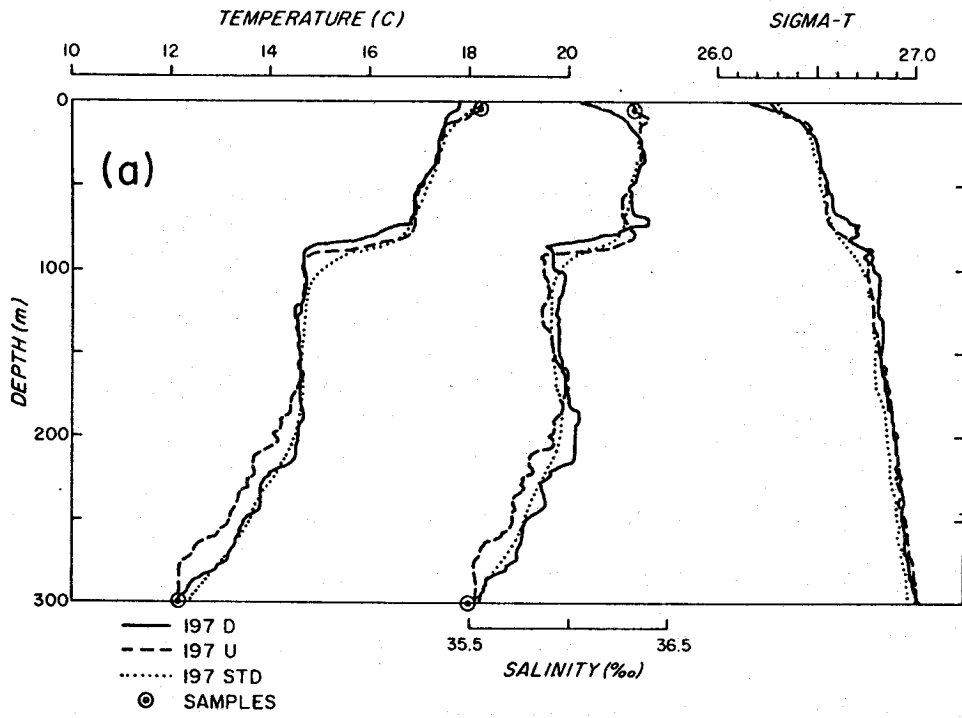


Fig. 14. Intercomparison of CTD and STD probes at: a) Station 197  
 b) Station 198.

likely due to real changes in the hydrography than to instrumental behavior as they are not consistent in sign throughout the depth range observed. Also, in other profiles made near this location, differences similar in magnitude but opposite in sign were apparent between 'up' and 'down' traces.

Reasonable agreement is evident between CTD and STD data. However, the latter have been more heavily smoothed and consequently show less structure than the CTD profiles. Agreement in sigma-t is good for cast 198, less so for cast 197. Below 100 m, STD values are about 0.05 sigma-t units lower than CTD values. Because of the weak stratification, this could cause an uncertainty in isopycnal depth of up to 50 m.

#### Data presentation

Profiles of temperature, salinity and sigma-t are presented in groups corresponding to hydrographic lines, drogue stations, or anchor stations. Long series of profiles are broken into subsets. Temperature profiles are offset by 2°C, salinity profiles by 0.25 o/oo, and sigma-t profiles by 0.5 sigma-t units. Each profile is identified by station number shown to its right. The origin for the temperature, salinity, or sigma-t scale for each profile is denoted by a tick mark on the bottom of the diagram.

For each cast, observed and computed parameters are listed at a series of standard depths. The header data, which precedes each listing, giving location and weather information is coded as follows:

CAST NO	Consecutive cast number. For CTD casts, the number is followed by 'U' if the profile was obtained during ascent of the probe or 'D' if it was obtained during descent.
STATION	Station designator for positions along the L or H lines, or indicating parachute drogue stations (D).



LAT	Latitude in degrees and minutes north of the equator.
LONG	Longitude in degrees and minutes west of Greenwich.
DATE	Month/day/year
TIME	Hours and minutes, Universal time
DPTH	Bottom depth in meters
PROBE	OSU1, OSU2, OSU3 - CTD units 1, 2, 3. STD - Bissett Berman self-contained probe unit.
SWELL DIR	Direction in degrees True from which the swell propagates.
HT	Swell height in feet
PER	Swell period in seconds
BAR	Atmospheric pressure in excess of 1000 mb.
WEATHER	See WMO weather code.
WIND DIR	Direction in degrees True from which the wind blows.
SPD	Wind speed in knots.
CLOUD TYPE	The two predominant cloud types (see WMO Cloud Type code).
AMOUNT	Coded cloud amount (see WMO Cloud Amount code).
AIR TEMP	Air temperature in degrees Celsius.
WET BULB	Wet bulb temperature in degrees Celsius.

The data listing includes observed and calculated parameters at the shallowest and deepest observation levels. If there was no observation at 0 m, sea surface values are assumed to be the same as those of the shallowest observation. For each depth, the temperature (TEMP) and salinity (SAL) values are as observed or interpolated linearly from the nearest neighboring values. Sigma-t (SIGMA), specific volume anomaly  $\times 10^5$  (SVA), dynamic height (DELD) in dynamic meters, and potential energy in  $10^8$  ergs

$\text{cm}^{-2}$  (POTE) are given for each depth. Computer parameters are calculated from the complete data array.

### Acknowledgments

The cooperation and assistance of Captain Hagen, the officers, and crew of R/V GILLISS during JOINT-I is greatly appreciated. Special thanks are due to Ms. Karie Tamura for typing this report. The observational program was supported by National Science Foundation Grant GX-33502.

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NO PRECIPITATION ON STATION AT TIME OF OBSERVATION

	Code figure		
	ww		
No meteors except photometers	{	00	Cloud development not observed or not observable
		01	Clouds generally dissolving or becoming less developed
		02	State of sky on the whole unchanged
		03	Clouds generally forming or developing
Haze, dust, sand or smoke	{	04	Visibility reduced by smoke, e.g. veldt or forest fires, industrial smoke or volcanic ashes
		05	Haze
		06	Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation
		07	Dust or sand raised by wind at or near the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no duststorm or sandstorm seen
		08	Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
		09	Duststorm or sandstorm within sight at the time of observation, or at the station during the preceding hour
		10	Mist
		11	{ Patches of } shallow fog or ice fog at the station, whether on land or sea, not
		12	{ More of less } deeper than about 2 metres on land or 10 metres at sea
		14	Precipitation within sight, not reaching the ground or the surface of the sea
		15	Precipitation within sight, reaching the ground or the surface of the sea, but distant (i.e. estimated to be more than 5 km) from the station
		16	Precipitation within sight, reaching the ground or the surface of the sea, near to, but not at the station
		17	Thunderstorm, but no precipitation at the time of observation
		18	Squalls } at or within sight of the station during the preceding hour
		19	Funnel clouds } or at the time of observation

characteristic change of the state of sky during the past hour

ww = 20 - 29	Precipitation, fog, ice fog or thunderstorm at the station during the preceding hour but not at the time of observation	
20	Drizzle (not freezing) or snow grains	} not falling as shower(s)
21	Rain (not freezing)	
22	Snow	
23	Rain and snow or ice pellets, type (a)	
24	Freezing drizzle or freezing rain	
25	Shower(s) of rain	
26	Shower(s) of snow, or of rain and snow	
27	Shower(s) of hail, or of rain and hail	
28	Fog or ice fog	
29	Thunderstorm (with or without precipitation)	
ww = 30 - 39	Duststorm, sandstorm, drifting or blowing snow	
30		- has decreased during the preceding hour
31	Slight or moderate dust-storm or sand-storm	- no appreciable change during the preceding hour
32		- has begun or has increased during the preceding hour
33		- has decreased during the preceding hour
34	Severe dust-storm or sand-storm	- no appreciable change during the preceding hour
35		- has begun or has increased during the preceding hour
36	Slight or moderate blowing snow	} generally low (below eye level)
37	Heavy drifting snow	
38	Slight or moderate blowing snow	} generally high (above eye level)
39	Heavy blowing snow	
ww = 40 - 49	Fog or ice fog at the time of observation	
40	Fog or ice fog at a distance at the time of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level above that of the observer	
41	Fog or ice fog in patches	
42	Fog or ice fog, sky visible	} has become thinner during the preceding hour
43	Fog or ice fog, sky invisible	
44	Fog or ice fog, sky visible	} no appreciable change during the preceding hour
45	Fog or ice fog, sky invisible	
46	Fog or ice fog, sky visible	} has begun or has become thicker during the preceding hour
47	Fog or ice fog, sky invisible	
48	Fog, depositing rime, sky visible	
49	Fog, depositing rime, sky invisible	

NO PRECIPITATION ON STATION AT TIME OF OBSERVATION

## PRECIPITATION ON STATION AT TIME OF OBSERVATION

### ww = 50 - 59 Drizzle

50	Drizzle, not freezing, intermittent	} slight at time of observation
51	Drizzle, not freezing, continuous	
52	Drizzle, not freezing, intermittent	} moderate at time of observation
53	Drizzle, not freezing, continuous	
54	Drizzle, not freezing, intermittent	} heavy (dense) at time of observation
55	Drizzle, not freezing, continuous	
56	Drizzle, freezing, slight	
57	Drizzle, freezing, moderate or heavy (dense)	
58	Drizzle and rain, slight	
59	Drizzle and rain, moderate or heavy	

### ww = 60 - 69 Rain

60	Rain, not freezing, intermittent	} slight at time of observation
61	Rain, not freezing, continuous	
62	Rain, not freezing, intermittent	} moderate at time of observation
63	Rain, not freezing, continuous	
64	Rain, not freezing, intermittent	} heavy at time of observation
65	Rain, not freezing, continuous	
66	Rain, freezing, slight	
67	Rain, freezing, moderate or heavy	
68	Rain or drizzle and snow, slight	
69	Rain or drizzle and snow, moderate or heavy	

### 70 - 79 Solid precipitation not in showers

ww		
70	Intermittent fall of snow flakes	} slight at time of observation
71	Continuous fall of snow flakes	
72	Intermittent fall of snow flakes	} moderate at time of observation
73	Continuous fall of snow flakes	
74	Intermittent fall of snow flakes	} heavy at time of observation
75	Continuous fall of snow flakes	
76	Ice prisms (with or without fog)	
77	Snow grains (with or without fog)	
78	Isolated starlike snow crystals (with or without fog)	
79	Ice pellets, type (a)	

### ww = 80 - 99 Showery precipitation, or precipitation with current or recent thunderstorm

80	Rain shower(s), slight	
81	Rain shower(s), moderate or heavy	
82	Rain shower(s), violent	
83	Shower(s) of rain and snow mixed, slight	
84	Shower(s) of rain and snow mixed, moderate or heavy	
85	Snow shower(s), slight	
86	Snow shower(s), moderate or heavy	
87	Shower(s) of snow pellets or ice pellets, type (b), with or without rain	} - slight
88	or rain and snow mixed	
89	Shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder	} - slight
90	Slight rain at time of observation	
91	Moderate or heavy rain at time of observation	} thunderstorm during the preceding hour but not at time of observation
92	Slight snow, or rain and snow mixed or hail at time of observation	
93	Moderate or heavy snow, or rain and snow mixed or hail at time of observation	
94	Thunderstorm, slight or moderate, without hail, but with rain and/or snow at time of observation	} thunderstorm at time of observation
95	Thunderstorm, slight or moderate, with hail at time of observation	
96	Thunderstorm, heavy, without hail, but with rain and/or snow at time of observation	
97	Thunderstorm, combined with duststorm or sandstorm at time of observation	
98	Thunderstorm, heavy, with hail at time of observation	
99		

## PRECIPITATION ON STATION AT TIME OF OBSERVATION

### CLOUD TYPE CODE

Code	Cloud Type	Code	Cloud Type
0	Cirrus ..... Ci	5	Nimbostratus ..... Ns
1	Cirrocumulus ..... Cc	6	Stratocumulus ..... Sc
2	Cirrostratus ..... Cs	7	Stratus ..... St
3	Alto cumulus ..... Ac	8	Cumulus ..... Cu
4	Altostratus ..... As	9	Cumulonimbus ..... Cb
X	Cloud not visible owing to darkness, fog, duststorm, sandstorm, or other analogous phenomena		

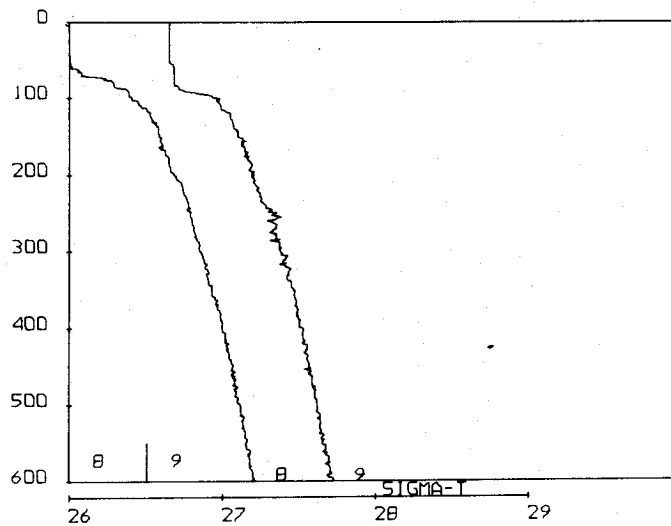
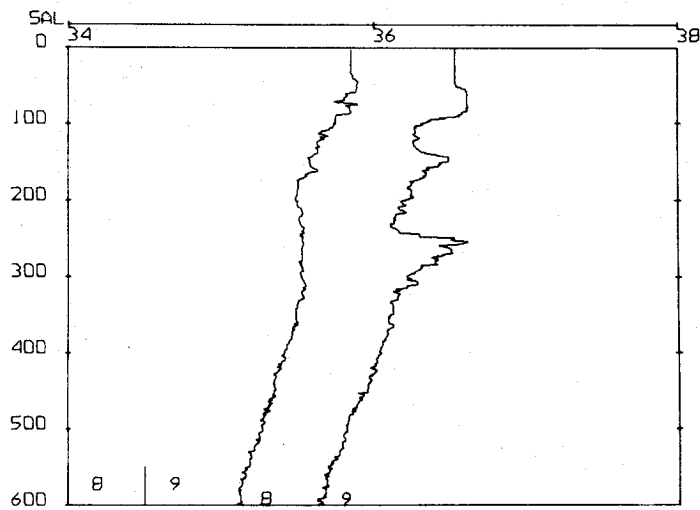
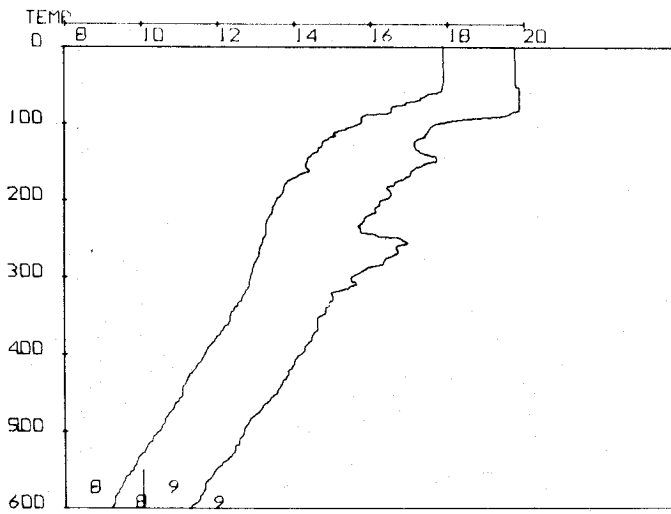
### CLOUD AMOUNT CODE

Code	Cloud Cover	Code	Cloud Cover
0	0	6	6 oktas
1	1 okta or less, but not zero	7	7 oktas or more, but not 8 oktas
2	2 oktas	8	8 oktas
3	3 oktas	9	Sky obscured, or cloud amount cannot be estimated
4	4 oktas		
5	5 oktas		

Note: 1 okta =  $\frac{1}{8}$  of the sky covered

The observations

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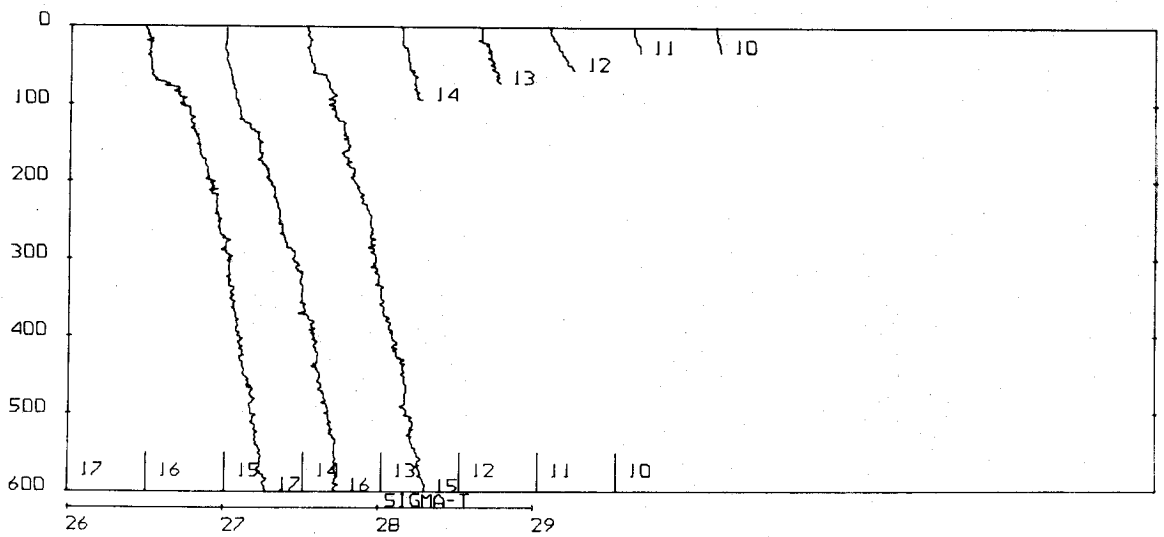
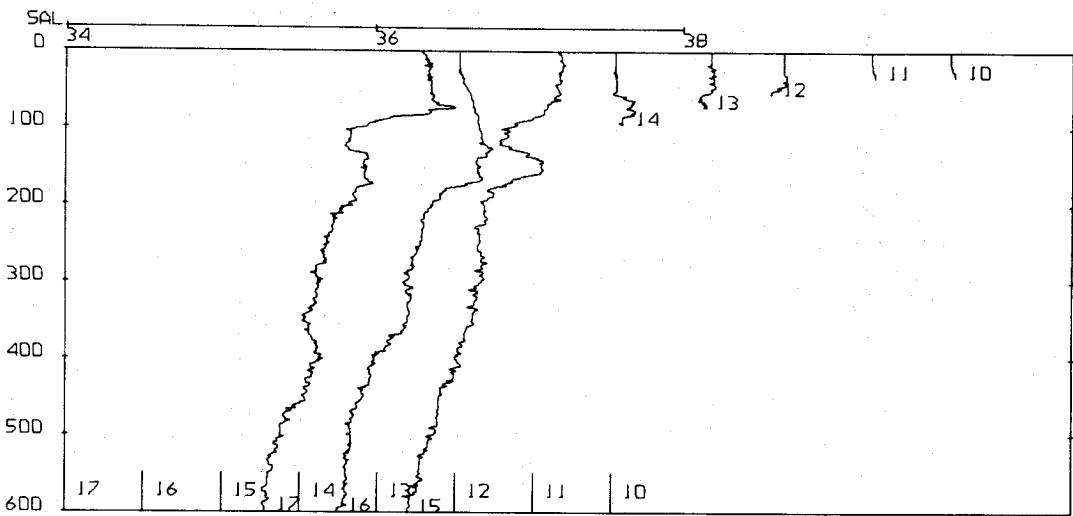
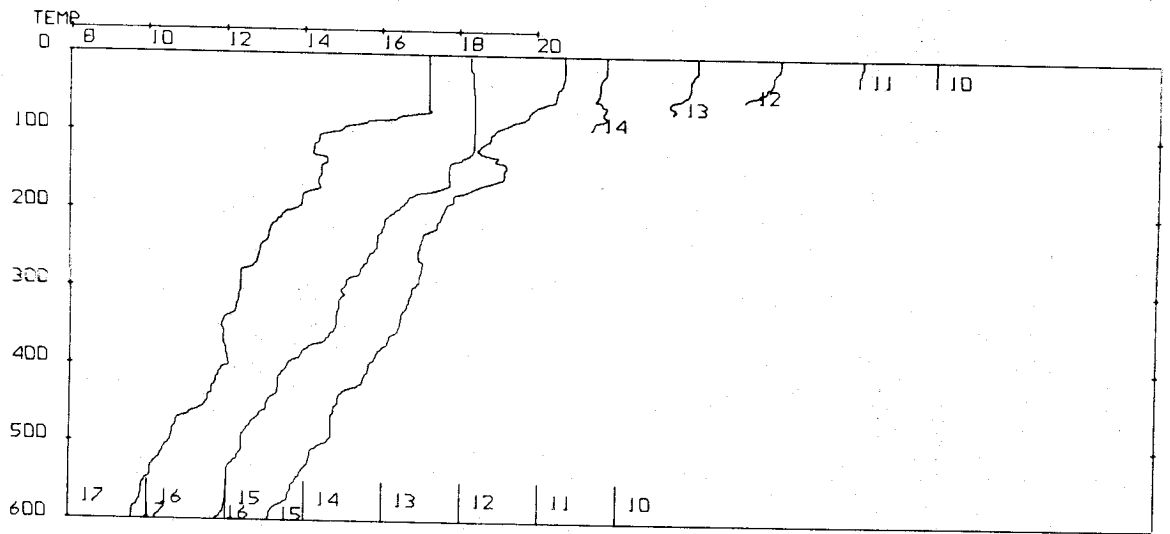
CAST NO 83 LAT 21 40.7 DATE 2/22/74 TIME 2150  
 STATION L20 LONG 19 5 DPTH 3228 PROBE OSU3  
 SWELL DIR 60 HT 4 PER 7 BAR 14.6 WEATHER 0  
 WIND DIR 40 SPD 12 CLOUD TYPE 6-0 AMOUNT 7  
 AIR TEMP 17.6 WET BULB 14.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.99	35.85	25.98	204.7	0	0
3	17.99	35.85	25.98	204.8	.006	.001
10	17.90	35.85	25.97	205.3	.020	.010
20	17.90	35.85	25.97	205.6	.041	.041
30	17.90	35.85	25.97	206.1	.062	.092
40	17.90	35.86	25.98	205.6	.082	.164
50	17.95	35.89	26.02	202.6	.103	.256
60	17.66	35.84	26.02	202.1	.123	.367
70	17.15	35.82	26.13	192.2	.142	.495
80	16.52	35.84	26.30	176.7	.161	.632
90	15.79	35.74	26.35	167.8	.178	.780
100	15.69	35.73	26.41	167.0	.195	.939
110	15.11	35.65	26.47	160.7	.211	1.110
120	14.87	35.65	26.53	156.0	.227	1.292
130	14.68	35.63	26.55	153.7	.242	1.485
140	14.44	35.60	26.58	151.2	.258	1.690
150	14.29	35.58	26.60	149.9	.273	1.909
160	14.37	35.61	26.60	149.7	.288	2.140
170	13.98	35.53	26.63	147.8	.302	2.385
180	13.72	35.50	26.66	145.0	.317	2.641
190	13.56	35.49	26.66	144.8	.332	2.909
200	13.50	35.48	26.69	142.7	.346	3.189
225	13.25	35.51	26.76	136.2	.380	3.923
250	13.14	35.53	26.80	133.3	.414	4.722
300	12.80	35.52	26.86	128.7	.480	6.524
400	11.61	35.41	27.01	116.7	.602	10.789
500	10.39	35.27	27.12	107.3	.714	15.822
600	9.17	35.12	27.21	99.7	.817	21.515
800	7.23	34.93	27.36	86.6	1.005	34.572
1000	6.13	34.87	27.46	77.7	1.169	49.340
1091	6.14	34.97	27.54	71.8	1.236	56.379

CAST NO 90 LAT 21 42.3 DATE 2/23/74 TIME 145  
 STATION L15 LONG 18 29.8 DPTH 2770 PROBE OSU3  
 SWELL DIR 40 HT 8 PER 0 BAR 12.9 WEATHER 0  
 WIND DIR 40 SPD 12 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 14.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.74	36.03	26.15	188.1	0	0
1	17.74	36.03	26.15	188.1	.002	.000
10	17.74	36.03	26.15	188.5	.019	.009
20	17.74	36.03	26.15	188.8	.038	.038
30	17.75	36.03	26.15	189.4	.057	.085
40	17.75	36.03	26.15	189.7	.076	.151
50	17.75	36.03	26.15	190.1	.095	.237
60	17.84	36.11	26.19	186.7	.113	.340
70	17.84	36.11	26.19	187.0	.132	.462
80	17.83	36.10	26.18	187.9	.151	.602
90	17.38	36.04	26.25	182.1	.169	.760
100	15.69	35.81	26.47	161.2	.186	.922
110	15.44	35.77	26.49	159.0	.202	1.090
120	15.20	35.77	26.55	154.2	.218	1.271
130	15.12	35.77	26.56	152.8	.233	1.463
140	15.42	35.87	26.57	152.2	.249	1.668
150	15.58	35.98	26.63	147.6	.264	1.885
160	15.08	35.84	26.63	147.8	.278	2.113
170	14.88	35.82	26.66	145.3	.293	2.354
180	14.57	35.74	26.66	144.9	.307	2.608
190	14.50	35.74	26.68	143.8	.322	2.872
200	14.24	35.68	26.69	142.7	.336	3.151
225	13.79	35.64	26.75	137.5	.371	3.893
250	14.74	36.04	26.86	128.7	.405	4.695
300	13.44	35.72	26.89	126.5	.470	6.484
400	12.37	35.53	27.01	116.5	.591	10.714
500	10.60	35.32	27.12	107.4	.703	15.742
600	9.18	35.14	27.23	98.3	.807	21.436
800	7.53	34.95	27.36	86.5	.992	34.414
1000	6.37	34.94	27.49	76.1	1.156	49.091
1037	6.22	34.94	27.51	74.4	1.184	51.942





CAST NO 10J LAT 21 41.0 DATE 2/23/74 TIME 1107  
 STATION LONG 17 5.1 DPTH 37 PKRGE CSU3  
 SWELL DIR 30 HT 5 PER 5 BAR 14.6 WEATHER 2  
 WIND DIR 30 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.2 WET BULB 13.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.24	36.21	26.65	140.9	0	0
10	16.24	36.21	26.65	141.2	.014	.007
20	16.20	36.22	26.66	140.0	.028	.028
30	16.20	36.24	26.68	135.8	.042	.063
32	16.20	36.24	26.68	135.9	.045	.072

CAST NO 11J LAT 21 41.0 DATE 2/23/74 TIME 1617  
 STATION LONG 17 6.3 DPTH 37 PKRGE CSU3  
 SWELL DIR 0 HT 8 PER 8 BAR 11.8 WEATHER 2  
 WIND DIR 0 SPD 12 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 14.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.33	36.20	26.62	143.6	0	0
1	16.33	36.20	26.62	143.7	.001	.000
10	16.31	36.20	26.62	143.5	.014	.007
20	16.22	36.20	26.64	141.9	.029	.029
30	16.21	36.22	26.66	140.5	.043	.064
33	16.21	36.22	26.66	140.6	.047	.077

CAST NO 12J LAT 21 40.0 DATE 2/23/74 TIME 1715  
 STATION LONG 17 12.0 DPTH 58 PKRGE CSU3  
 SWELL DIR 0 HT 5 PER 8 BAR 10.8 WEATHER 3  
 WIND DIR 0 SPD 18 CLOUD TYPE 0-0 AMOUNT 2  
 AIR TEMP 16.5 WET BULB 14.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.22	36.13	26.59	146.3	0	0
1	16.22	36.13	26.59	146.3	.001	.000
10	16.20	36.13	26.60	146.2	.015	.007
20	16.06	36.13	26.63	143.4	.029	.029
30	15.99	36.14	26.65	141.5	.043	.065
40	15.94	36.14	26.69	138.5	.057	.114
50	15.42	36.06	26.72	135.6	.071	.176
55	15.27	36.04	26.74	134.0	.078	.211

CAST NO 13J LAT 21 40.0 DATE 2/23/74 TIME 1841  
 STATION LONG 17 28.3 DPTH 75 PKRGE CSU3  
 SWELL DIR 0 HT 4 PER 8 BAR 11.5 WEATHER 2  
 WIND DIR 0 SPD 16 CLOUD TYPE 0-7 AMOUNT 2  
 AIR TEMP 16.5 WET BULB 14.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.09	36.16	26.64	141.3	0	0
2	16.09	36.16	26.64	141.3	.003	.000
10	16.09	36.16	26.64	141.6	.014	.007
20	16.04	36.16	26.66	140.8	.028	.028
30	15.99	36.15	26.68	138.6	.042	.063
40	15.84	36.18	26.71	136.5	.056	.111
50	15.75	36.16	26.72	135.4	.069	.172
60	15.34	36.09	26.76	132.0	.083	.246
70	15.44	36.13	26.77	131.5	.096	.333
72	15.43	36.11	26.76	132.9	.099	.351

CAST NO 14J LAT 21 40.0 DATE 2/23/74 TIME 2005  
 STATION LONG 17 24.3 DPTH 101 PKRGE CSU3  
 SWELL DIR 0 HT 4 PER 8 BAR 12.5 WEATHER 2  
 WIND DIR 340 SPD 16 CLOUD TYPE 0-7 AMOUNT 2  
 AIR TEMP 16.4 WET BULB 14.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.75	36.04	26.63	142.6	0	0
10	15.73	36.04	26.63	142.5	.014	.007
20	15.73	36.04	26.63	142.5	.028	.028
30	15.60	36.04	26.66	140.3	.043	.064
40	15.55	36.05	26.68	138.8	.057	.113
50	15.53	36.04	26.68	139.4	.070	.175
60	15.63	36.10	26.70	137.4	.084	.251
70	15.72	36.14	26.71	136.2	.098	.340
80	15.72	36.16	26.73	135.7	.112	.442
90	15.38	36.08	26.74	134.5	.125	.557
94	15.34	36.09	26.76	133.1	.131	.607

CAST NO 15J LAT 21 40.0 DATE 2/23/74 TIME 2123  
 STATION LONG 17 30.0 DPTH 825 PKRGE CSU3  
 SWELL DIR 10 HT 6 PER 6 BAR 12.2 WEATHER 1  
 WIND DIR 10 SPD 18 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.8 WET BULB 14.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.63	36.18	26.62	152.9	0	0
10	16.69	36.19	26.63	152.7	.015	.008
20	16.68	36.19	26.63	152.6	.030	.030
30	16.64	36.18	26.63	153.0	.046	.069
40	16.57	36.19	26.65	151.4	.061	.140
50	16.46	36.18	26.67	149.2	.076	.227
60	16.11	36.17	26.68	147.5	.091	.322
70	15.84	36.11	26.66	141.6	.105	.465

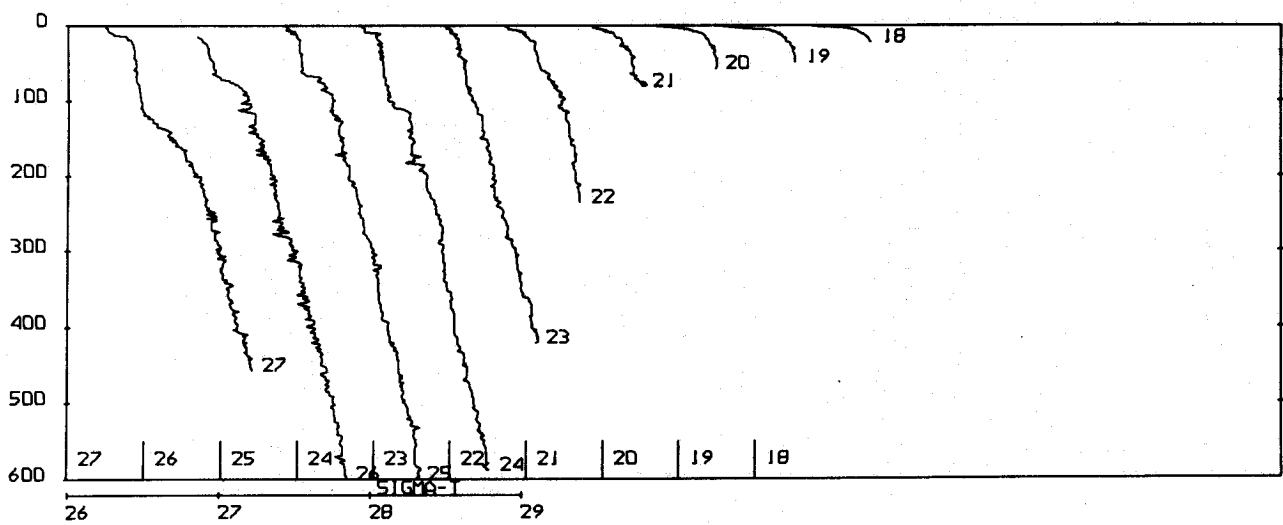
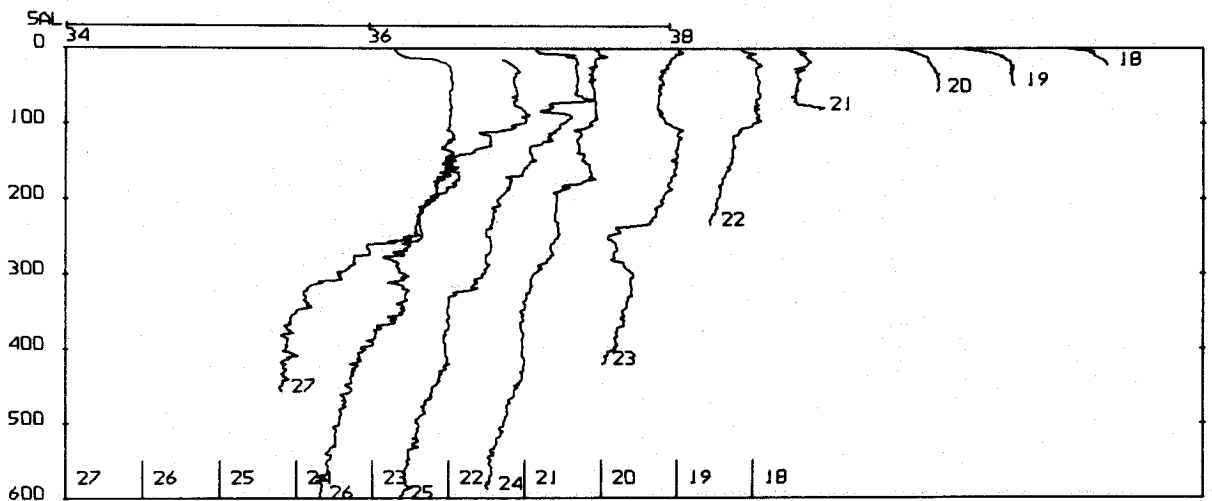
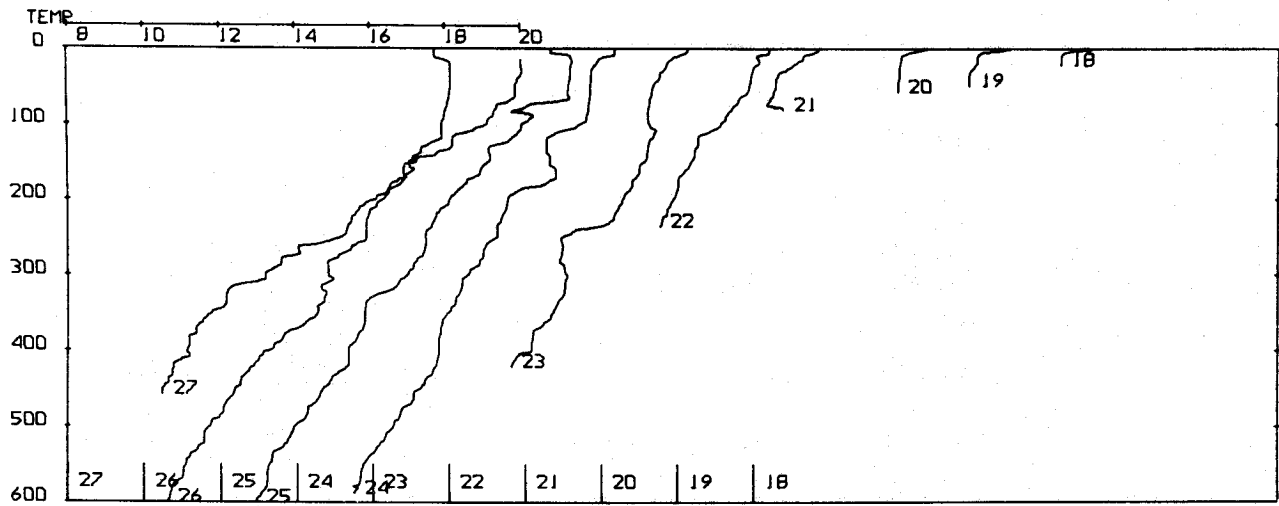
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
80	15.69	36.08	26.67	140.9	.119	.471
90	15.19	35.97	26.70	138.8	.133	.590
100	14.44	35.86	26.69	134.5	.147	.722
110	14.74	35.83	26.69	139.9	.161	.869
120	14.47	35.81	26.74	135.9	.175	1.027
130	14.77	35.94	26.77	133.3	.189	1.195
140	15.17	36.07	26.78	132.3	.202	1.376
150	15.12	36.07	26.80	131.6	.215	1.567
160	15.34	36.03	26.78	133.1	.228	1.771
170	14.42	35.85	26.78	133.5	.242	1.991
180	13.45	35.74	26.81	130.2	.255	2.222
190	13.77	35.72	26.82	130.3	.268	2.462
200	13.57	35.69	26.83	128.8	.281	2.714
224	13.50	35.69	26.99	124.2	.312	3.386
250	11.43	35.65	26.94	120.5	.363	4.104
300	7.76	35.66	26.38	117.7	.403	5.752
400	11.55	35.52	27.39	109.4	.517	9.764
500	13.53	35.38	27.18	101.7	.622	14.448
600	9.06	35.21	27.30	91.2	.718	19.741
800	7.01	35.03	27.47	75.9	.885	31.465
812	6.98	35.03	27.47	75.6	.894	32.136

CAST NO 16J LAT 21 40.0 DATE 2/23/74 TIME 2306  
 STATION LONG 17 36.0 DPTH 850 PKRGE CSU3  
 SWELL DIR 10 HT 6 PER 6 BAR 11.8 WEATHER 2  
 WIND DIR 10 SPD 18 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.2 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.27	36.04	26.51	154.3	0	0
3	16.27	36.04	26.51	154.1	.005	.001
10	16.28	36.04	26.51	154.5	.015	.008
20	16.31	36.04	26.50	155.5	.031	.031
30	16.35	36.05	26.50	156.0	.046	.070
40	16.36	36.06	26.50	155.8	.062	.124
50	16.39	36.12	26.54	152.8	.077	.193
60	16.40	36.12	26.54	153.0	.093	.277
70	16.40	36.13	26.55	152.6	.108	.376
80	16.40	36.13	26.55	152.9	.123	.491
90	16.41	36.16	26.57	151.3	.138	.620
100	16.37	36.17	26.59	150.0	.153	.763
110	16.35	36.18	26.60	149.2	.168	.919
120	16.35	36.19	26.61	148.7	.183	1.091
130	16.17	36.22	26.67	142.9	.198	1.273
140	15.75	36.15	26.71	139.0	.212	1.463
150	15.73	36.16	26.73	138.2	.226	1.664
160	15.74	36.17	26.73	131.0	.239	1.878
170	15.62	36.13	26.73	134.6	.253	2.105
180	14.33	35.94	26.76	135.8	.267	2.345
190	14.60	35.91	26.79	133.4	.280	2.593
200	14.36	35.86	26.80	132.4	.294	2.853
225	13.39	35.81	26.84	129.2	.326	3.546
250	13.82	35.79	26.86	127.9	.358	4.308
300	13.00	35.69	26.95	120.2	.421	6.016
400	11.55	35.48	27.07	110.5	.536	10.035
500	10.39	35.33	27.17	102.9	.642	14.837
600	9.71	35.25	27.23	98.8	.742	20.329
800	7.46	35.08	27.44	79.0	.919	32.668
824	7.44	35.07	27.44	79.8	.939	34.223

CAST NO 17J LAT 21 40.0 DATE 2/24/74 TIME 46  
 STATION LONG 17 42.0 DPTH 988 PKRGE CSU3  
 SWELL DIR 0 HT 6 PER 7 BAR 0 WEATHER 2  
 WIND DIR 0 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.1 WET BULB 14.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.21	36.30	26.49	156.2	0	0
10	17.22	36.32	26.50	155.3	.016	.008
20	17.23	36.32	26.50	155.9	.031	.031
30	17.24	36.35	26.52	154.3	.046	.070
40	17.24	36.35	26.52	154.6	.062	.124
50	17.24	36.36	26.52	154.2	.077	.193
60	17.23	36.37	26.53	153.6	.093	.277
70	17.24	36.40	26.56	152.0	.108	.376
80	16.43	36.34	26.70	138.3	.122	.485
90	15.39	36.03	26.70	138.4	.136	.602
110	14.70	35.88	26.75	134.7	.150	.732
100	14.35	35.83	26.78	131.7	.163	.871
120	14.23	35.80	26.78	131.7	.176	1.022
130	14.32	35.85	26.80	130.2	.189	1.186
140	14.55	35.94	26.82	128.7	.202	1.360
150	14.45	35.94	26.84	126.9	.215	1.545
160	14.35	35.93	26.85	126.1	.228	1.742
170	14.42	35.96	26.86	125.5	.240	1.950
180	13.96	35.87	26.99	122.9	.253	2.167
190	13.92	35.86	26.99	123.1	.265	2.396
200	13.67	35.82	26.92	121.2	.277	2.635
225	13.12	35.72	26.95	118.3	.307	3.270
250	12.16	35.69	26.98	116.1	.337	3.909
300	12.35	35.63	27.04	117.0	.394	5.546
400	12.04	35.63	27.09	109.4	.505	9.418
500	10.94	35.38	27.18	101.9	.610	14.127
600	9.58	35.29	27.28	94.1	.707	19.499
800	7.56	35.06	27.41	82.0	.883	31.775
815	6.76	35.04	27.51	73.7	.971	39.381



CASST NO 18J LAT 21 20.0 DATE 2/24/74 TIME 1705  
 STATION H01 LONG 17 8.0 DPTH 38 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 8 BAR 8.5 WEATHER 0  
 WIND DIR 320 SPD 6 CLOUD TYPE 0- 7 AMOUNT 3  
 AIR TEMP 17.8 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.04	36.11	26.38	166.2	0	0
10	16.22	36.32	26.74	132.8	.014	.007
20	16.21	36.36	26.77	130.0	.028	.027
22	16.20	36.36	26.77	129.8	.030	.032

CASST NO 19J LAT 21 20.0 DATE 2/24/74 TIME 1748  
 STATION H02 LONG 17 12.0 DPTH 53 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 8 BAR 8.5 WEATHER 2  
 WIND DIR 320 SPD 6 CLOUD TYPE 0- 7 AMOUNT 3  
 AIR TEMP 18.2 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.91	35.89	26.24	179.2	0	0
10	16.02	36.17	26.67	139.3	.015	.007
20	15.98	36.23	26.72	134.4	.029	.028
30	15.81	36.23	26.76	131.0	.042	.061
40	15.78	36.23	26.77	130.7	.055	.106
49	15.79	36.25	26.78	129.7	.067	.159

CASST NO 22J LAT 21 20.0 DATE 2/24/74 TIME 2054  
 STATION H05 LONG 17 30.0 DPTH 238 PROBE OSU3  
 SWELL DIR 0 HT 3 PER 6 BAR 9.5 WEATHER 1  
 WIND DIR 340 SPD 8 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 15.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.52	35.95	26.38	166.1	0	0
10	16.17	35.99	26.49	155.7	.016	.008
20	16.22	36.06	26.54	152.1	.032	.031
30	16.07	36.04	26.56	150.5	.047	.069
40	16.01	36.06	26.59	148.1	.062	.121
50	15.95	36.05	26.59	147.8	.076	.187
60	15.88	36.06	26.62	145.9	.091	.268
70	15.66	36.05	26.66	142.1	.105	.361
80	15.49	36.05	26.70	138.8	.119	.466
90	15.34	36.06	26.74	135.1	.133	.582
100	15.20	36.03	26.75	134.6	.147	.710
110	14.89	35.94	26.75	134.9	.160	.852
120	14.60	35.89	26.77	132.8	.173	1.005
130	14.54	35.89	26.78	131.9	.187	1.171
140	14.50	35.89	26.79	131.3	.200	1.348
150	14.40	35.88	26.81	130.3	.213	1.538
160	14.26	35.86	26.82	129.1	.226	1.739
170	14.08	35.83	26.84	127.9	.239	1.951
180	14.05	35.82	26.84	128.3	.252	2.176
190	14.02	35.80	26.83	129.5	.264	2.414
200	13.93	35.79	26.84	128.7	.277	2.666
225	13.64	35.74	26.86	127.2	.309	3.343
235	13.58	35.74	26.87	126.2	.322	3.635

CASST NO 20J LAT 21 20.0 DATE 2/24/74 TIME 1846  
 STATION H03 LONG 17 18.0 DPTH 58 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 8 BAR 9.1 WEATHER 3  
 WIND DIR 320 SPD 6 CLOUD TYPE 0- 7 AMOUNT 5  
 AIR TEMP 17.2 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.69	35.97	26.36	168.4	0	0
10	16.01	36.18	26.68	138.4	.015	.007
20	15.95	36.20	26.71	135.9	.029	.028
30	15.93	36.24	26.74	132.9	.042	.061
40	15.91	36.25	26.75	132.2	.055	.108
50	15.89	36.25	26.76	132.0	.069	.167
57	15.89	36.24	26.75	132.9	.078	.216

CASST NO 23J LAT 21 20.0 DATE 2/24/74 TIME 2219  
 STATION H06 LONG 17 36.0 DPTH 425 PROBE OSU3  
 SWELL DIR 340 HT 3 PER 7 BAR 9.8 WEATHER 3  
 WIND DIR 330 SPD 8 CLOUD TYPE 7- 0 AMOUNT 2  
 AIR TEMP 16.5 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.38	36.04	26.48	156.4	0	0
2	16.38	36.04	26.48	156.5	.003	.000
10	16.12	35.99	26.51	154.6	.015	.008
20	15.80	35.97	26.56	149.4	.031	.030
30	15.69	35.93	26.56	150.3	.046	.068
40	15.57	35.92	26.58	148.7	.060	.120
50	15.42	35.92	26.61	146.2	.075	.186
60	15.37	35.91	26.62	145.8	.090	.266
70	15.32	35.90	26.62	145.8	.104	.361
80	15.29	35.90	26.63	145.3	.119	.470
90	15.28	35.93	26.65	143.4	.133	.593
100	15.35	35.96	26.66	143.0	.148	.729
110	15.48	36.04	26.69	140.2	.162	.878
120	15.35	36.04	26.72	137.7	.176	1.038
130	15.28	36.02	26.72	138.0	.189	1.210
140	15.25	36.02	26.73	137.7	.203	1.396
150	15.17	36.01	26.74	136.6	.217	1.595
160	15.06	36.02	26.77	134.2	.230	1.804
170	14.97	36.00	26.77	134.1	.244	2.027
180	14.97	35.99	26.79	133.0	.257	2.260
190	14.72	35.96	26.80	132.2	.271	2.516
200	14.61	35.92	26.79	133.2	.284	2.785
225	14.37	35.87	26.81	132.6	.317	3.459
250	12.97	35.56	26.86	127.7	.350	4.241
300	13.17	35.73	26.95	120.6	.412	5.955
400	12.16	35.60	27.05	113.1	.529	10.023
420	11.66	35.52	27.08	110.1	.551	10.935

CASST NO 21J LAT 21 20.0 DATE 2/24/74 TIME 1947  
 STATION H04 LONG 17 24.0 DPTH 86 PROBE OSU3  
 SWELL DIR 0 HT 6 PER 8 BAR 9.1 WEATHER 1  
 WIND DIR 320 SPD 8 CLOUD TYPE 0- 7 AMOUNT 4  
 AIR TEMP 16.9 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.82	35.82	26.44	160.2	0	0
10	15.38	35.88	26.59	146.6	.016	.008
20	15.18	35.88	26.64	142.3	.030	.029
30	14.95	35.86	26.68	137.5	.044	.065
40	14.66	35.84	26.72	135.3	.058	.113
50	14.65	35.81	26.70	137.6	.071	.174
60	14.57	35.80	26.71	137.0	.085	.249
70	14.47	35.81	26.74	134.5	.099	.338
80	14.85	35.97	26.78	131.0	.112	.437
81	14.86	35.96	26.77	132.0	.113	.448

CAST NO 24J LAT 21 20.0 DATE 2/24/74 TIME 2344  
 STATION H07 LONG 17 42.3 DPTH 603 PROBE OSU3  
 SWELL DIR 340 HT 3 PER 7 BAR 9.1 WEATHER 2  
 WIND DIR 340 SPD 8 CLOUD TYPE 7-0 AMOUNT 2  
 AIR TEMP 17.0 WET BULB 15.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELO	POTE
0	16.46	35.98	26.42	162.6	0	0
10	16.28	36.02	26.49	156.0	.016	.008
20	15.94	35.99	26.55	151.0	.031	.031
30	15.82	35.97	26.56	150.5	.046	.068
40	15.79	35.96	26.56	150.6	.061	.121
50	15.78	35.96	26.56	150.6	.077	.189
60	15.77	35.98	26.58	149.3	.091	.271
70	15.74	35.99	26.59	148.2	.106	.368
80	15.71	35.99	26.60	147.9	.121	.480
90	15.69	35.99	26.61	147.8	.136	.606
100	15.51	35.98	26.64	144.9	.151	.745
110	14.94	35.89	26.70	139.3	.165	.896
120	14.62	35.86	26.74	135.4	.179	1.053
130	14.61	35.88	26.76	134.0	.192	1.221
140	14.70	35.90	26.76	134.8	.206	1.403
150	14.69	35.92	26.77	133.4	.219	1.598
160	14.87	35.95	26.76	135.4	.233	1.806
170	14.88	35.96	26.76	135.2	.246	2.029
180	14.54	35.89	26.78	133.4	.259	2.263
190	13.79	35.74	26.83	129.2	.273	2.506
200	13.60	35.73	26.86	126.4	.285	2.755
225	13.42	35.71	26.88	125.0	.317	3.423
250	13.28	35.74	26.94	120.4	.347	4.151
300	12.52	35.59	26.97	118.2	.407	5.778
400	11.76	35.50	27.05	112.9	.522	9.820
500	10.52	35.37	27.18	102.1	.630	14.639
588	9.49	35.27	27.28	93.7	.715	19.298

CAST NO 26J LAT 21 19.9 DATE 2/25/74 TIME 302  
 STATION H09 LONG 17 53.8 DPTH 1024 PROBE OSU3  
 SWELL DIR 0 HT 3 PER 7 BAR 8.5 WEATHER 2  
 WIND DIR 10 SPD 7 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.2 WET BULB 16.2

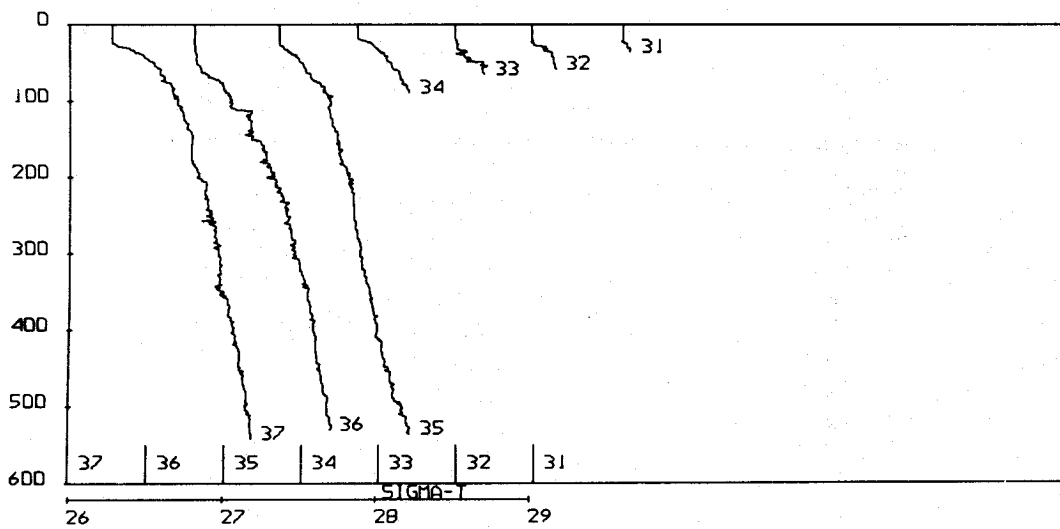
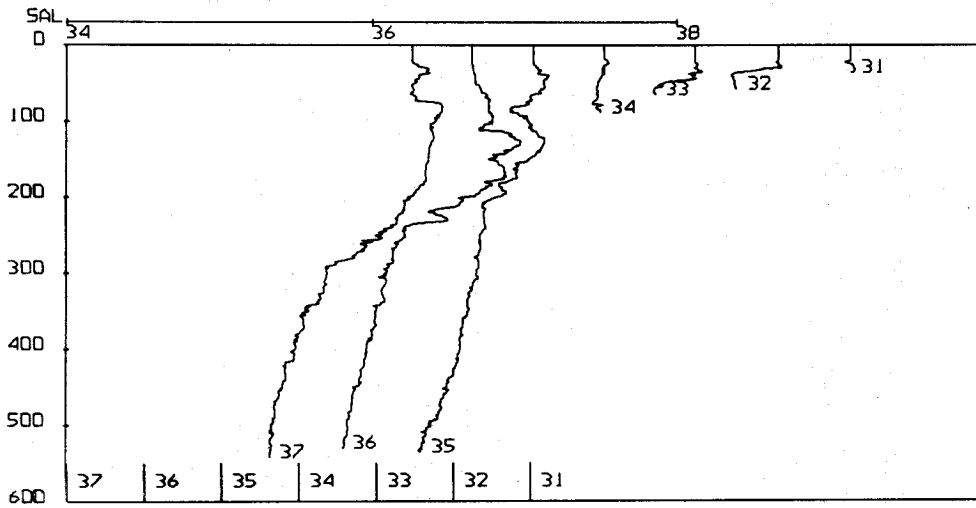
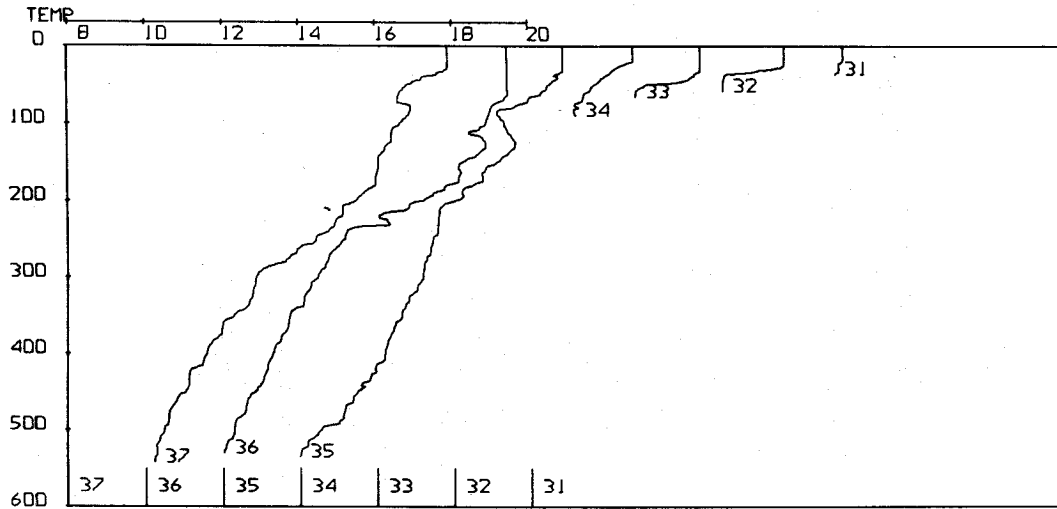
DEPTH	TEMP	SAL	SIGMA	SVA	DELO	POTE
0	18.01	36.38	26.35	169.0	0	0
15	18.01	36.38	26.35	169.5	.025	.019
10	18.06	36.28	26.26	177.8	.017	.008
20	17.99	36.45	26.41	164.2	.034	.034
30	18.04	36.49	26.43	162.8	.050	.075
40	17.90	36.45	26.43	162.9	.066	.132
50	17.85	36.46	26.45	161.2	.083	.204
60	17.85	36.48	26.47	160.1	.099	.293
70	17.65	36.46	26.50	157.4	.115	.396
80	17.30	36.51	26.63	145.7	.130	.509
90	17.20	36.55	26.68	140.9	.144	.631
100	17.06	36.54	26.71	138.8	.158	.764
110	16.60	36.35	26.67	142.4	.172	.911
120	16.17	36.30	26.73	136.7	.186	1.070
130	16.13	36.31	26.75	135.4	.199	1.241
140	15.72	36.16	26.73	137.6	.213	1.427
150	15.02	36.03	26.79	132.3	.227	1.624
160	15.15	36.08	26.80	131.8	.240	1.831
170	14.97	36.03	26.80	131.9	.253	2.050
180	14.54	35.94	26.82	129.7	.267	2.278
190	14.47	35.94	26.84	128.5	.279	2.515
200	14.31	35.91	26.85	127.7	.292	2.765
225	13.90	35.83	26.87	125.9	.324	3.438
250	13.87	35.85	26.90	124.5	.355	4.182
300	12.87	35.70	26.99	116.9	.416	5.848
400	11.21	35.46	27.12	105.7	.527	9.734
500	9.69	35.29	27.26	93.8	.627	14.220
600	8.61	35.16	27.33	87.5	.717	19.177
800	7.46	35.08	27.44	79.0	.883	30.725
990	6.47	35.10	27.60	65.6	1.018	42.839

CAST NO 25J LAT 21 24.1 DATE 2/25/74 TIME 118  
 STATION H08 LONG 17 48.1 DPTH 790 PROBE OSU3  
 SWELL DIR 0 HT 2 PER 7 BAR 0 WEATHER 5  
 WIND DIR 0 SPD 8 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.4 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELO	POTE
0	16.91	36.10	26.43	161.7	0	0
10	17.29	36.33	26.49	156.2	.016	.008
20	17.29	36.36	26.52	154.0	.031	.031
30	17.28	36.37	26.52	153.8	.047	.070
40	17.25	36.37	26.53	153.4	.062	.123
50	17.21	36.37	26.54	152.8	.077	.192
60	17.21	36.37	26.54	153.2	.093	.276
70	16.94	36.32	26.57	150.9	.108	.375
80	15.99	36.18	26.68	140.2	.122	.481
90	16.30	36.33	26.73	136.5	.136	.597
100	15.98	36.25	26.74	135.5	.149	.726
110	15.99	36.23	26.74	135.3	.163	.868
120	15.67	36.18	26.76	134.5	.176	1.024
130	15.13	36.05	26.78	132.2	.190	1.189
140	15.17	36.07	26.78	132.3	.203	1.368
150	15.08	36.07	26.80	130.7	.216	1.560
160	14.90	36.02	26.81	130.8	.229	1.762
170	14.72	35.97	26.81	131.0	.242	1.978
180	14.46	35.92	26.82	129.6	.255	2.206
190	14.23	35.89	26.85	127.0	.268	2.443
200	14.07	35.84	26.85	127.9	.281	2.691
225	13.69	35.81	26.90	123.1	.312	3.356
250	13.48	35.78	26.92	121.7	.343	4.083
300	12.34	35.75	27.01	114.6	.402	5.710
400	11.39	35.49	27.11	106.8	.513	9.608
500	9.93	35.31	27.23	96.4	.615	14.172
600	8.92	35.20	27.31	89.6	.707	19.230
747	7.87	35.10	27.40	82.9	.832	27.605

CAST NO 27J LAT 21 20.0 DATE 2/25/74 TIME 459  
 STATION H10 LONG 18 0 DPTH 1360 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 8 BAR 8.5 WEATHER 2  
 WIND DIR 320 SPD 4 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.6 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELO	POTE
0	17.73	36.17	26.26	177.7	0	0
1	17.73	36.17	26.26	177.7	.002	.000
10	17.75	36.20	26.28	176.3	.018	.009
20	18.15	36.52	26.43	162.5	.035	.034
30	18.15	36.54	26.44	161.8	.051	.074
40	18.16	36.54	26.44	162.0	.067	.131
50	18.13	36.55	26.45	161.5	.083	.204
60	18.10	36.53	26.44	162.4	.099	.293
70	18.07	36.54	26.46	161.3	.115	.398
80	18.02	36.54	26.47	160.4	.131	.518
90	17.97	36.54	26.48	159.6	.147	.654
100	17.91	36.53	26.49	159.3	.163	.806
110	17.92	36.54	26.50	159.1	.179	.973
120	17.84	36.55	26.52	156.8	.195	1.154
130	17.39	36.49	26.59	151.0	.210	1.347
140	17.25	36.53	26.66	144.9	.225	1.548
150	17.19	36.55	26.68	142.7	.240	1.757
160	16.92	36.51	26.72	139.7	.254	1.976
170	16.94	36.59	26.77	134.7	.268	2.200
180	16.78	36.57	26.80	132.8	.281	2.434
190	16.44	36.51	26.83	129.8	.294	2.676
200	16.14	36.45	26.86	127.7	.307	2.927
225	15.50	36.33	26.91	123.2	.338	3.591
250	15.17	36.29	26.95	119.7	.369	4.316
300	13.22	35.80	26.99	116.5	.428	5.945
400	11.15	35.44	27.12	106.0	.539	9.816
457	10.50	35.41	27.21	98.0	.596	12.267



CAST NO 311 LAT 21 40.0 DATE 3/ 4/74 TIME 2045  
 STATION L 1 LONG 17 0.3 DPTH 54 PROBE OSU3  
 SWELL DIR 10 HT 5 PER 6 BAR 12.5 WEATHER 2  
 WIND DIR 20 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.12	36.12	26.61	144.8	0	0
10	16.15	36.12	26.60	145.8	.015	.007
20	16.11	36.12	26.61	145.3	.029	.029
30	16.30	36.15	26.64	142.3	.044	.065
36	15.93	36.12	26.65	141.8	.052	.093

CAST NO 323 LAT 21 40.0 DATE 3/ 4/74 TIME 2210  
 STATION L 2 LONG 17 12.0 DPTH 57 PROBE OSU3  
 SWELL DIR 10 HT 5 PER 6 BAR 13.2 WEATHER 2  
 WIND DIR 10 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.63	36.15	26.51	154.0	0	0
1	16.63	36.15	26.51	154.0	.002	.000
10	16.63	36.15	26.51	154.3	.015	.008
20	16.63	36.15	26.51	154.6	.031	.031
30	16.33	36.12	26.56	150.4	.046	.069
40	15.94	35.84	26.64	143.3	.061	.120
50	15.02	35.85	26.65	142.4	.075	.184
58	15.02	35.87	26.66	141.2	.086	.246

CAST NO 333 LAT 21 40.0 DATE 3/ 4/74 TIME 2330  
 STATION L 3 LONG 17 18.0 DPTH 66 PROBE OSU3  
 SWELL DIR 20 HT 6 PER 6 BAR 12.5 WEATHER 2  
 WIND DIR 20 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.47	36.10	26.51	154.4	.015	.008
10	16.47	36.10	26.51	154.5	.031	.031
20	16.45	36.10	26.51	154.6	.046	.069
30	16.19	36.08	26.56	150.7	.062	.123
40	15.00	35.88	26.68	139.8	.076	.189
50	14.76	35.82	26.68	139.4	.090	.265
65	14.75	35.83	26.69	138.7	.097	.309

CAST NO 340 LAT 21 40.0 DATE 3/ 5/74 TIME 44  
 STATION L 4 LONG 17 24.0 DPTH 97 PROBE OSU3  
 SWELL DIR 10 HT 4 PER 6 BAR 12.2 WEATHER 2  
 WIND DIR 20 SPD 20 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.8 WET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.72	36.01	26.38	166.2	0	0
2	16.72	36.01	26.38	166.3	.003	.000
10	16.72	36.01	26.38	166.5	.017	.008
20	16.70	36.01	26.39	166.4	.033	.033
30	16.20	36.00	26.50	156.3	.049	.073
40	15.95	35.99	26.55	151.9	.065	.127
50	15.63	35.96	26.58	148.5	.080	.195
60	15.46	35.96	26.63	144.1	.094	.275
70	15.37	35.96	26.65	142.4	.109	.368
80	15.21	35.95	26.68	140.1	.123	.474
89	15.19	35.98	26.71	137.7	.135	.579

CAST NO 350 LAT 21 41.7 DATE 3/ 5/74 TIME 149  
 STATION L 5 LONG 17 30.5 DPTH 622 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 12.2 WEATHER 2  
 WIND DIR 20 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.7 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.90	36.05	26.37	167.3	0	0
2	16.90	36.05	26.37	167.4	.003	.000
10	16.91	36.05	26.37	167.9	.017	.008
20	16.31	36.05	26.37	163.2	.034	.034
30	16.49	36.08	26.39	165.9	.050	.076
40	16.76	36.14	26.47	159.0	.067	.132
50	16.51	36.12	26.52	155.1	.082	.203
60	16.30	36.08	26.53	153.7	.098	.288
70	15.95	36.03	26.58	149.9	.113	.386
80	15.51	35.94	26.60	147.6	.128	.496
90	15.21	35.94	26.67	143.5	.142	.618
100	15.35	36.01	26.70	139.3	.156	.751
110	15.45	36.02	26.68	141.0	.170	.897
120	15.60	36.09	26.70	138.5	.184	1.058
130	15.63	36.11	26.72	138.6	.198	1.232
140	15.39	36.07	26.73	137.0	.211	1.418
150	15.14	36.01	26.74	136.4	.225	1.615

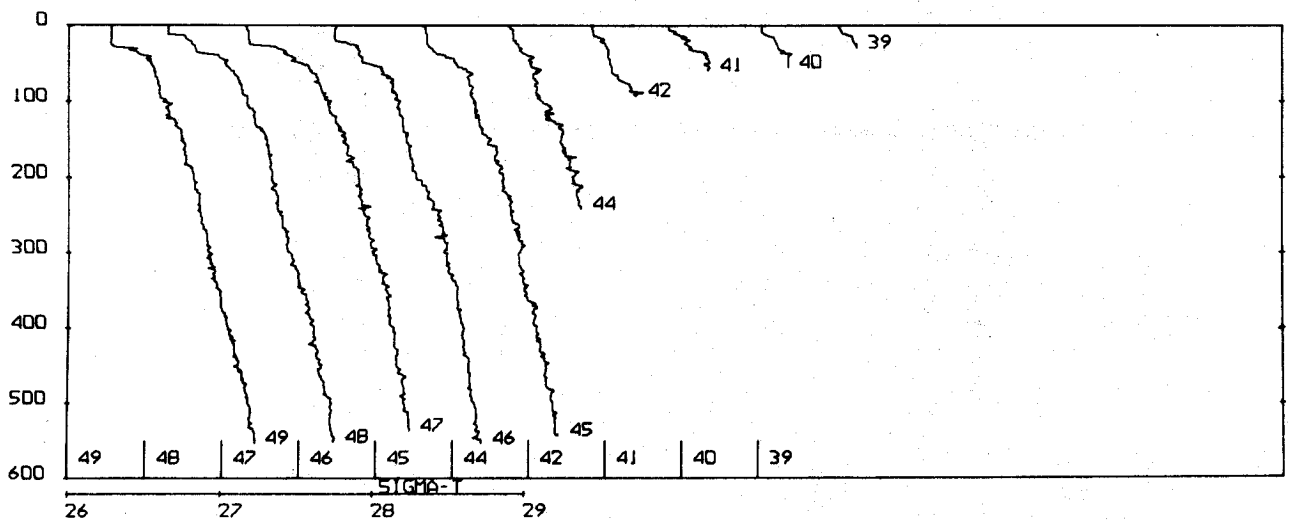
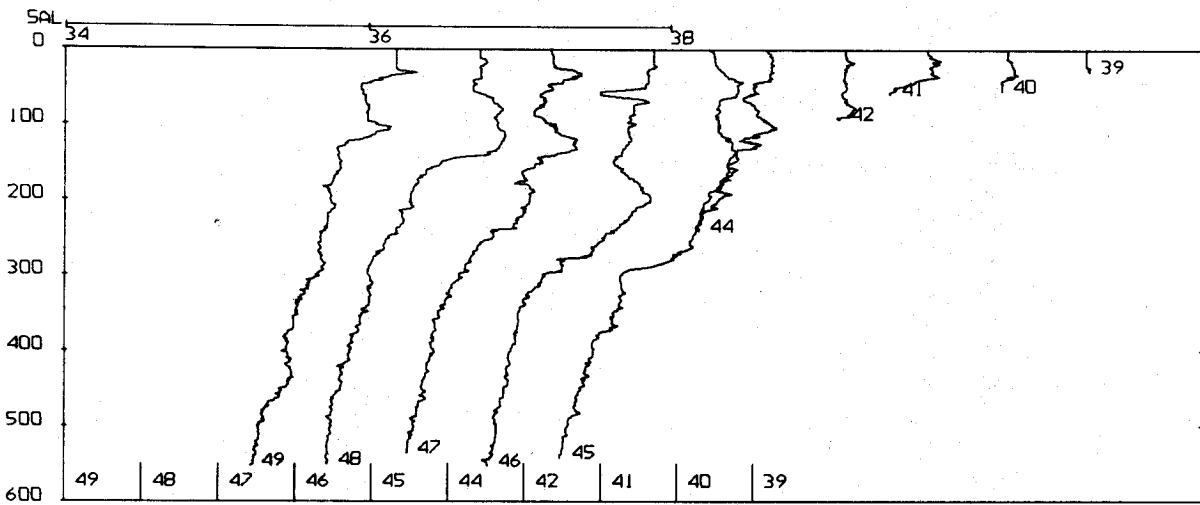
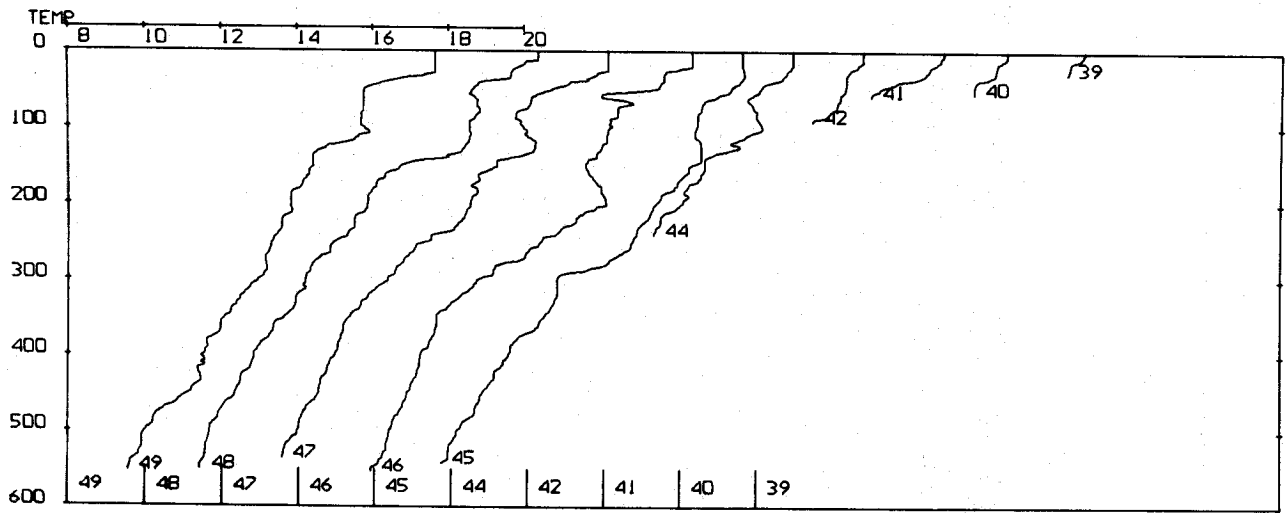
160	14.44	35.44	26.76	135.4	.239	1.826
170	14.74	35.43	26.76	135.4	.252	2.049
180	14.42	35.87	26.77	134.4	.266	2.284
190	14.73	35.84	26.81	133.9	.279	2.530
200	14.34	35.80	26.87	130.7	.292	2.783
225	13.61	35.72	26.95	128.0	.304	3.049
250	13.44	35.69	26.85	128.3	.316	3.329
300	13.22	35.67	26.85	126.0	.329	3.618
400	12.22	35.56	27.01	117.2	.341	3.919
500	10.53	35.36	27.17	103.2	.352	4.235
535	9.97	35.30	27.22	98.6	.368	4.567

CAST NO 360 LAT 21 40.0 DATE 3/ 5/74 TIME 329  
 STATION L 6 LONG 17 38.0 DPTH 878 PROBE OSU3  
 SWELL DIR 100 HT 5 PER 7 BAR 12.2 WEATHER 2  
 WIND DIR 20 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.6 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.44	36.15	26.32	172.4	0	0
1	17.44	36.15	26.32	172.5	.002	.000
10	17.45	36.15	26.31	173.0	.017	.005
20	17.46	36.15	26.31	173.6	.035	.035
30	17.46	36.16	26.32	173.2	.052	.078
40	17.46	36.17	26.33	172.5	.069	.139
50	17.46	36.18	26.33	172.4	.087	.216
60	17.47	36.21	26.35	170.9	.104	.311
70	17.29	36.25	26.43	164.1	.120	.420
80	17.31	36.26	26.50	157.2	.136	.535
90	16.93	36.27	26.53	155.0	.152	.672
100	16.85	36.28	26.56	152.3	.167	.818
110	16.45	36.23	26.61	147.7	.183	.979
120	16.32	36.41	26.66	143.7	.197	1.145
130	16.49	36.46	26.69	141.6	.211	1.323
140	16.63	36.37	26.68	142.6	.226	1.515
150	16.24	36.30	26.72	139.3	.240	1.721
160	16.22	36.36	26.77	134.8	.253	1.932
170	16.17	36.36	26.78	134.0	.267	2.155
180	15.86	36.26	26.77	134.7	.280	2.389
190	15.50	36.20	26.81	131.5	.294	2.633
200	15.23	36.14	26.82	130.4	.307	2.887
225	14.30	35.97	26.90	123.9	.338	3.563
250	13.19	35.70	26.92	121.8	.369	4.293
300	12.47	35.58	26.97	117.9	.429	5.941
400	11.30	35.45	27.10	108.1	.461	8.845
500	10.28	35.33	27.19	101.0	.646	14.565
530	10.02	35.29	27.20	100.1	.676	16.113

CAST NO 370 LAT 21 40.0 DATE 3/ 5/74 TIME 458  
 STATION L 7 LONG 17 42.6 DPTH 850 PROBE OSU3  
 SWELL DIR 20 HT 6 PER 7 BAR 11.8 WEATHER 3  
 WIND DIR 20 SPD 22 CLOUD TYPE 0-0 AMOUNT 2  
 AIR TEMP 17.9 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.90	36.26	26.29	175.1	0	0
10	17.92	36.26	26.28	176.0	.018	.005
20	17.93	36.26	26.28	176.5	.035	.035
30	17.84	36.34	26.36	169.0	.053	.079
40	17.22	36.31	26.49	157.1	.069	.136
50	16.82	36.26	26.55	151.9	.084	.205
60	16.64	36.26	26.59	148.2	.099	.288
70	16.59	36.28	26.62	145.9	.114	.384
80	16.34	36.45	26.67	141.8	.128	.491
90	16.84	36.44	26.68	140.6	.143	.611
100	16.64	36.41	26.71	138.6	.157	.743
110	16.44	36.38	26.73	136.6	.170	.888
120	16.44	36.39	26.74	136.2	.184	1.044
130	16.25	36.37	26.77	133.7	.197	1.213
140	16.13	36.36	26.79	132.1	.211	1.393
150	16.08	36.36	26.80	131.3	.224	1.583
160	16.07	36.35	26.79	132.3	.237	1.787
170	16.03	36.34	26.80	132.3	.250	2.006
180	15.79	36.35	26.81	131.0	.263	2.236
190	15.70	36.29	26.83	129.1	.276	2.478
200	15.49	36.25	26.85	128.0	.289	2.728
225	14.98	36.15	26.89	125.0	.321	3.393
250	14.49	36.06	26.93	122.0	.351	4.125
300	12.89	35.70	26.98	117.3	.411	5.775
400	11.59	35.49	27.07	110.5	.527	9.802
500	10.47	35.33	27.15	104.3	.633	14.500
542	10.22	35.32	27.19	101.6	.676	16.828





CAST NO 39J LAT 21 40.0 DATE 3/ 5/74 TIME 1534  
 STATION L 1 LONG 17 6.0 DPTH 37 PROBE CSU3  
 SWELL DIR 0 HT 5 PER 6 BAR 13.6 WEATHER 5  
 WIND DIR 0 SPD 20 CLOUD TYPE 0- 0 AMOUNT 1  
 AIR TEMP 17.7 WET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.71	36.22	26.54	150.7	0	0
10	16.59	36.22	26.57	148.3	.015	.007
20	16.33	36.22	26.64	142.2	.029	.029
29	16.24	36.24	26.67	139.7	.042	.060

CAST NO 40J LAT 21 40.2 DATE 3/ 5/74 TIME 1634  
 STATION L 2 LONG 17 11.9 DPTH 58 PROBE CSU3  
 SWELL DIR 0 HT 6 PER 10 BAR 9.1 WEATHER 3  
 WIND DIR 10 SPD 22 CLOUD TYPE 0- 2 AMOUNT 2  
 AIR TEMP 17.5 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.67	36.20	26.54	151.2	0	0
10	16.63	36.20	26.55	150.7	.015	.008
20	16.49	36.25	26.64	142.2	.030	.029
30	16.35	36.25	26.65	141.4	.044	.065
40	15.85	36.17	26.71	136.6	.058	.113
50	15.80	36.16	26.71	136.5	.071	.175
55	15.80	36.16	26.71	136.7	.078	.211

CAST NO 41J LAT 21 40.2 DATE 3/ 5/74 TIME 1735  
 STATION L 3 LONG 17 18.2 DPTH 70 PROBE CSU3  
 SWELL DIR 0 HT 6 PER 10 BAR 9.1 WEATHER 2  
 WIND DIR 0 SPD 21 CLOUD TYPE 0- 2 AMOUNT 2  
 AIR TEMP 17.9 WET BULB 15.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.03	36.17	26.43	161.6	0	0
10	16.94	36.20	26.47	157.7	.016	.008
20	16.66	36.20	26.54	151.7	.031	.031
30	16.53	36.20	26.57	149.1	.047	.069
40	15.79	36.11	26.68	139.3	.061	.119
50	15.31	35.97	26.68	139.8	.075	.182
59	15.08	35.92	26.69	138.8	.087	.250

CAST NO 42U LAT 21 40.2 DATE 3/ 5/74 TIME 1837  
 STATION L 4 LONG 17 24.0 DPTH 99 PROBE CSU3  
 SWELL DIR 0 HT 6 PER 8 BAR 9.8 WEATHER 3  
 WIND DIR 0 SPD 20 CLOUD TYPE 0- 2 AMOUNT 6  
 AIR TEMP 16.5 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.91	36.13	26.43	161.7	0	0
10	16.89	36.14	26.44	160.9	.016	.008
20	16.72	36.16	26.50	155.9	.032	.032
30	16.47	36.12	26.52	153.6	.047	.070
40	16.45	36.12	26.53	153.4	.063	.124
50	16.41	36.14	26.55	151.4	.078	.193
60	16.28	36.11	26.56	151.0	.093	.276
70	16.18	36.15	26.62	146.2	.108	.373
80	15.39	36.18	26.68	140.2	.122	.480
90	15.54	36.08	26.71	138.0	.136	.599
92	15.53	36.09	26.72	137.1	.139	.624

CAST NO 44J LAT 21 40.0 DATE 3/ 5/74 TIME 2142  
 STATION L 5 LONG 17 30.3 DPTH 510 PROBE CSU3  
 SWELL DIR 100 HT 4 PER 6 BAR 10.5 WEATHER 1  
 WIND DIR 0 SPD 17 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.04	36.11	26.38	166.2	0	0
10	17.03	36.15	26.41	163.4	.016	.008
20	17.01	36.14	26.41	164.0	.033	.033
30	16.83	36.14	26.45	160.2	.049	.073
40	16.51	36.11	26.51	155.3	.065	.129
50	16.15	36.03	26.53	153.7	.080	.198
60	15.88	36.00	26.57	150.2	.095	.282
70	15.96	36.00	26.55	152.3	.111	.380
80	16.08	36.06	26.57	150.9	.126	.494
90	16.11	36.06	26.56	151.9	.141	.623
100	16.23	36.14	26.60	149.0	.156	.765
110	15.79	36.08	26.65	144.0	.171	.918
120	15.38	35.95	26.64	144.9	.185	1.084
130	15.28	36.01	26.71	138.7	.199	1.262
140	14.72	35.87	26.73	137.4	.213	1.448
150	14.69	35.86	26.73	137.8	.227	1.647
160	14.61	35.86	26.75	136.4	.241	1.861
170	14.51	35.85	26.76	135.3	.254	2.085
180	14.21	35.80	26.78	133.2	.268	2.320
190	14.29	35.84	26.80	132.1	.281	2.566
200	14.07	35.79	26.81	131.5	.294	2.821
225	13.51	35.67	26.83	129.7	.326	3.511
241	13.35	35.66	26.86	127.7	.347	3.991

CAST NO 45J LAT 21 40.0 DATE 3/ 5/74 TIME 2300  
 STATION L 6 LONG 17 36.0 DPTH 832 PROBE CSU3  
 SWELL DIR 100 HT 4 PER 6 BAR 11.2 WEATHER 2  
 WIND DIR 0 SPD 16 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.1 WET BULB 15.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.70	36.23	26.31	172.6	0	0
10	17.71	36.27	26.34	170.3	.017	.009
20	17.72	36.28	26.35	170.2	.034	.034
30	17.77	36.33	26.37	168.0	.051	.076
40	17.63	36.41	26.46	159.8	.067	.134
50	17.42	36.42	26.53	153.7	.083	.204
60	17.03	36.41	26.61	146.1	.098	.286
70	16.65	36.30	26.62	145.8	.113	.381
80	16.58	36.29	26.63	145.3	.127	.491
90	16.53	36.30	26.65	143.8	.142	.614
100	16.50	36.30	26.66	143.4	.156	.751
110	16.48	36.31	26.67	142.6	.170	.901
120	16.62	36.37	26.68	141.7	.185	1.064
130	16.64	36.40	26.70	140.3	.199	1.240
140	16.64	36.41	26.71	139.9	.213	1.429
150	16.33	36.37	26.75	136.2	.227	1.629
160	16.24	36.39	26.79	133.0	.240	1.839
170	16.02	36.33	26.79	132.6	.253	2.056
180	15.92	36.32	26.81	131.7	.266	2.288
190	15.55	36.23	26.82	130.4	.280	2.529
200	15.41	36.22	26.85	128.4	.292	2.781
225	15.08	36.18	26.89	125.0	.324	3.460
250	14.79	36.12	26.91	124.0	.355	4.196
300	12.80	35.64	26.95	119.9	.416	5.855
400	11.50	35.46	27.07	111.0	.532	9.905
500	10.15	35.28	27.17	102.4	.638	14.631
542	9.73	35.25	27.22	98.3	.680	16.894

CAST NO 46J LAT 21 40.1 DATE 3/ 6/74 TIME 31  
 STATION L 7 LONG 17 42.0 DPTH 900 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 10.8 WEATHER 2  
 WIND DIR 0 SPD 18 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 16.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.41	36.37	26.24	179.3	0	0
1	18.41	36.37	26.24	179.3	.002	.000
10	18.42	36.37	26.24	179.8	.018	.009
20	18.41	36.37	26.24	180.0	.036	.036
30	17.66	36.32	26.39	166.2	.053	.078
40	17.52	36.33	26.41	164.9	.070	.136
50	17.39	36.31	26.45	161.1	.086	.210
60	16.09	36.01	26.55	152.1	.101	.295
70	16.72	36.31	26.61	146.7	.116	.393
80	15.43	36.23	26.62	145.3	.131	.502
90	16.26	36.21	26.64	144.3	.146	.626
100	16.21	36.22	26.66	142.8	.160	.762
110	16.13	36.20	26.67	142.8	.174	.913
120	16.09	36.20	26.67	142.2	.189	1.077
130	15.95	36.18	26.69	140.9	.203	1.253
140	15.84	36.15	26.69	141.0	.217	1.443
150	15.59	36.10	26.71	139.5	.231	1.644
160	15.67	36.16	26.74	137.2	.244	1.858
170	15.84	36.21	26.74	137.6	.258	2.085
180	16.00	36.28	26.76	136.5	.272	2.325
190	16.09	36.31	26.76	136.5	.286	2.578
200	16.14	36.35	26.78	135.0	.299	2.840
225	15.30	36.20	26.85	128.3	.331	3.530
250	14.39	36.04	26.93	121.4	.363	4.267
300	12.69	35.64	26.98	117.8	.422	5.907
400	11.20	35.41	27.08	109.2	.535	9.853
500	10.39	35.33	27.17	102.9	.642	14.653
553	9.91	35.27	27.21	100.1	.696	17.503

CAST NO 48J LAT 21 40.0 DATE 3/ 6/74 TIME 32J  
 STATION L 9 LONG 17 54.0 DPTH 1230 PROBE OSU3  
 SWELL DIR 0 HT 5 PER 6 BAR 9.8 WEATHER 1  
 WIND DIR 350 SPD 18 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.5 WET BULB 15.6

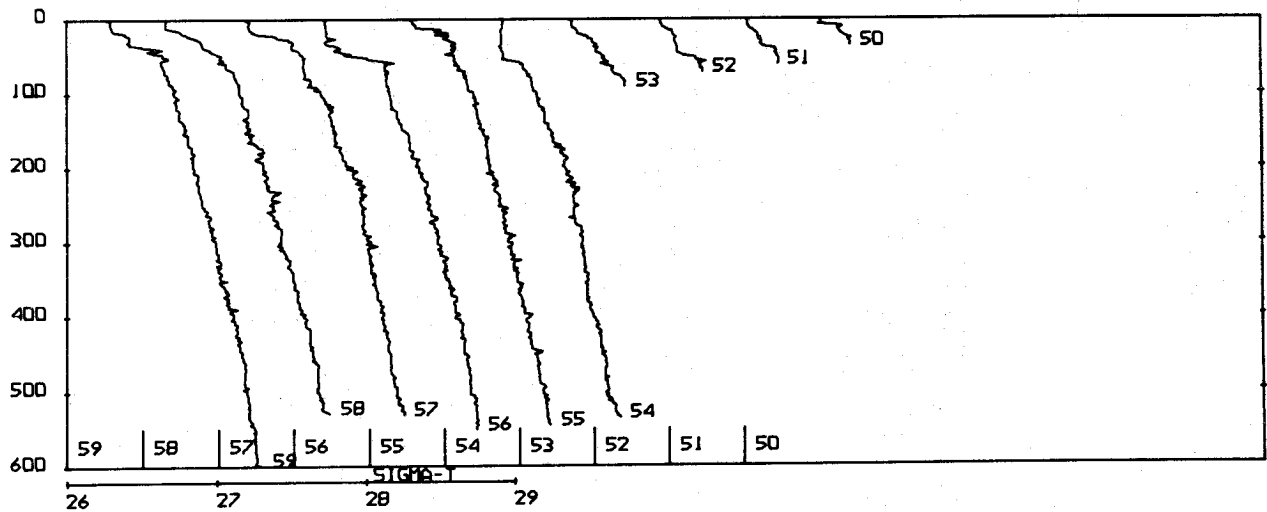
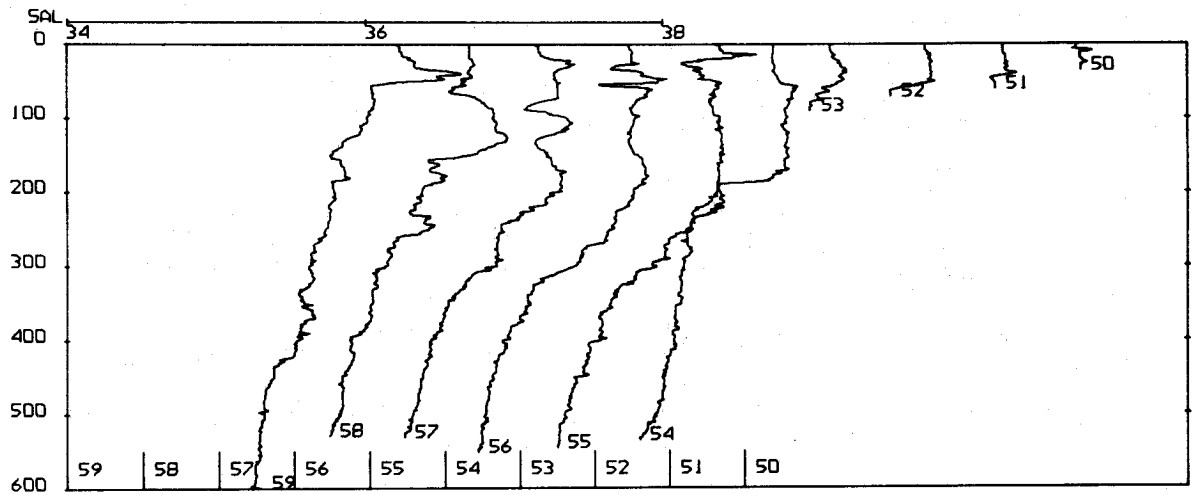
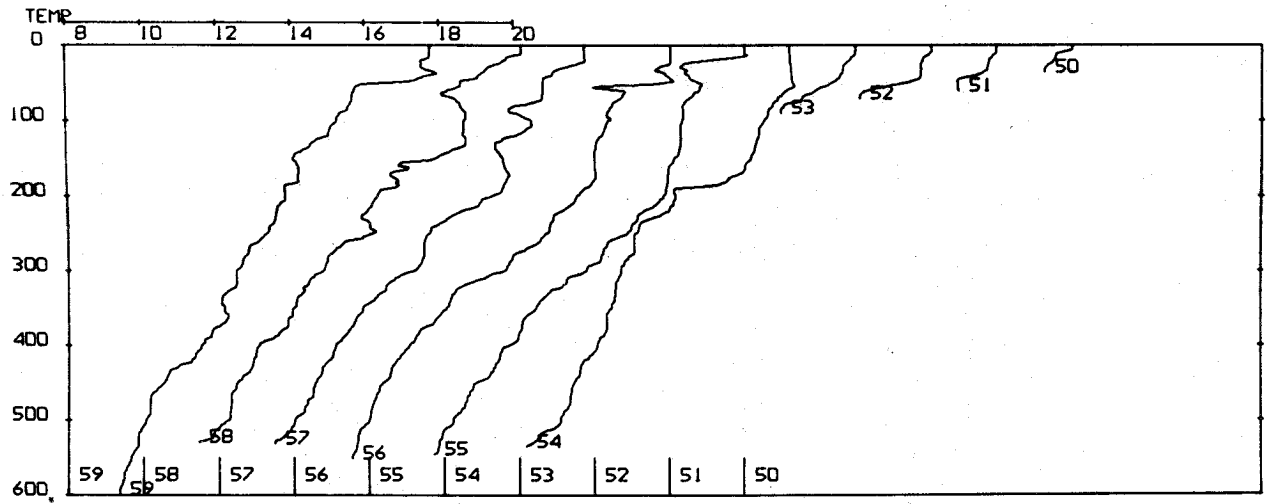
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.35	36.23	26.15	188.0	0	0
10	18.36	36.23	26.15	188.6	.019	.009
20	17.84	36.25	26.29	175.2	.037	.036
30	17.62	36.23	26.33	171.8	.054	.080
40	16.87	36.19	26.48	157.8	.071	.138
50	16.61	36.18	26.54	153.0	.086	.208
60	16.65	36.26	26.58	149.1	.102	.291
70	16.74	36.32	26.61	146.4	.116	.387
80	16.92	36.38	26.64	144.2	.131	.496
90	16.61	36.33	26.65	143.4	.145	.618
100	16.56	36.34	26.67	141.9	.159	.752
110	16.56	36.38	26.70	139.3	.173	.900
120	16.49	36.38	26.72	138.1	.187	1.058
130	16.34	36.35	26.73	137.0	.201	1.230
140	15.86	36.28	26.79	132.0	.214	1.412
150	14.74	35.97	26.80	130.8	.228	1.603
160	14.35	35.88	26.82	129.5	.241	1.805
170	14.14	35.83	26.82	129.2	.254	2.018
180	14.00	35.81	26.84	128.1	.266	2.244
190	13.88	35.77	26.83	128.8	.279	2.482
200	13.85	35.77	26.84	128.5	.292	2.733
225	13.51	35.73	26.88	125.3	.324	3.407
250	12.99	35.62	26.90	123.7	.355	4.152
300	12.19	35.50	26.97	118.5	.416	5.824
400	10.84	35.36	27.11	106.4	.528	9.742
500	9.66	35.24	27.22	96.9	.631	14.357
551	9.44	35.22	27.25	95.8	.680	16.947

CAST NO 47J LAT 21 40.0 DATE 3/ 6/74 TIME 200  
 STATION L 8 LONG 17 48.0 DPTH 1030 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 11.5 WEATHER 3  
 WIND DIR 0 SPD 17 CLOUD TYPE 6- 0 AMOUNT 4  
 AIR TEMP 17.8 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.19	36.19	26.16	197.1	0	0
10	18.19	36.21	26.18	196.0	.019	.009
20	18.19	36.22	26.18	185.6	.037	.037
30	17.91	36.37	26.37	168.4	.055	.082
40	17.18	36.30	26.49	156.9	.072	.140
50	16.68	36.20	26.54	153.1	.088	.211
60	16.16	36.13	26.60	146.9	.103	.293
70	16.11	36.15	26.63	144.7	.117	.388
80	15.78	36.08	26.65	142.9	.132	.496
90	15.85	36.14	26.68	140.3	.146	.617
100	15.94	36.21	26.72	137.5	.160	.749
110	16.06	36.24	26.71	138.2	.174	.894
120	16.23	36.37	26.76	134.1	.187	1.051
130	16.22	36.35	26.76	134.2	.201	1.220
140	15.57	36.19	26.79	132.2	.214	1.398
150	15.25	36.14	26.82	129.2	.227	1.588
160	14.91	36.01	26.82	129.3	.240	1.789
170	14.78	36.02	26.83	128.6	.253	2.002
180	14.74	36.06	26.87	125.1	.265	2.224
190	14.60	36.05	26.89	123.2	.278	2.455
200	14.54	36.05	26.91	122.3	.290	2.694
225	14.24	35.97	26.91	122.6	.321	3.345
250	13.44	35.81	26.96	118.8	.351	4.064
300	12.37	35.58	26.99	116.0	.410	5.675
400	10.95	35.42	27.14	103.9	.518	9.467
500	9.36	35.29	27.21	98.4	.620	14.034
536	9.57	35.24	27.24	96.2	.655	15.840

CAST NO 49J LAT 21 40.2 DATE 3/ 6/74 TIME 442  
 STATION L10 LONG 18 0 DPTH 1504 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 11.2 WEATHER 3  
 WIND DIR 0 SPD 12 CLOUD TYPE 8- 0 AMOUNT 6  
 AIR TEMP 17.7 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.66	36.18	26.28	175.3	0	0
10	17.66	36.18	26.28	175.7	.018	.009
20	17.66	36.18	26.28	176.0	.035	.035
30	17.48	36.24	26.37	167.8	.053	.079
40	16.38	36.05	26.50	156.6	.069	.135
50	15.78	35.95	26.55	151.4	.084	.204
60	15.76	35.97	26.57	149.8	.099	.287
70	15.75	35.98	26.58	149.2	.114	.384
80	15.72	35.99	26.60	148.1	.129	.496
90	15.68	35.99	26.61	147.6	.144	.621
100	15.79	36.07	26.64	144.5	.158	.761
110	15.63	36.05	26.66	142.7	.173	.911
120	15.24	35.93	26.66	143.4	.187	1.076
130	14.56	35.80	26.71	138.8	.201	1.252
140	14.42	35.79	26.73	137.0	.215	1.437
150	14.43	35.81	26.75	136.0	.228	1.634
160	14.32	35.81	26.77	134.0	.242	1.843
170	14.18	35.77	26.77	134.4	.255	2.065
180	14.08	35.74	26.77	134.8	.269	2.299
190	13.93	35.74	26.82	130.0	.282	2.543
200	13.83	35.74	26.82	130.3	.295	2.797
225	13.60	35.72	26.85	127.8	.327	3.480
250	13.35	35.68	26.87	126.5	.359	4.236
300	12.96	35.66	26.94	121.6	.421	5.944
400	11.49	35.44	27.05	112.3	.539	10.052
500	9.98	35.27	27.19	100.2	.645	14.818
553	9.56	35.22	27.23	97.8	.697	17.572



CAST NO 50J LAT 21 40.0 DATE 3/ 6/74 TIME 2100  
 STATION L 1 LONG 17 6.0 DPTH 38 PROBE OSU3  
 SWELL DIR 340 HT 3 PER 7 BAR 11.2 WEATHER 1  
 WIND DIR 350 SPD 11 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 16.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.91	36.25	26.52	153.0	0	0
10	16.58	36.29	26.63	143.0	.015	.007
20	16.39	36.28	26.67	139.7	.029	.029
30	16.16	36.28	26.72	135.0	.043	.063
36	16.14	36.28	26.72	134.8	.051	.089

CAST NO 51J LAT 21 40.0 DATE 3/ 6/74 TIME 2156  
 STATION L 2 LONG 17 12.0 DPTH 63 PROBE OSU3  
 SWELL DIR 340 HT 3 PER 7 BAR 11.5 WEATHER 2  
 WIND DIR 350 SPD 9 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.2 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.86	36.26	26.54	151.1	0	0
10	16.83	36.26	26.55	150.8	.015	.008
20	16.65	36.28	26.60	145.7	.030	.030
30	16.60	36.29	26.62	144.1	.044	.066
40	16.31	36.30	26.70	137.0	.059	.116
50	15.80	36.20	26.74	133.6	.072	.176
60	15.83	36.21	26.74	133.9	.085	.250
61	15.83	36.21	26.74	133.9	.087	.258

CAST NO 52J LAT 21 40.0 DATE 3/ 6/74 TIME 2258  
 STATION L 3 LONG 17 18.0 DPTH 69 PROBE OSU3  
 SWELL DIR 340 HT 3 PER 7 BAR 11.8 WEATHER 2  
 WIND DIR 350 SPD 7 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.1 WET BULB 16.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.12	36.24	26.46	158.5	0	0
10	17.10	36.25	26.47	157.7	.016	.008
20	16.88	36.27	26.55	151.2	.031	.031
30	16.83	36.28	26.56	150.0	.046	.069
40	16.82	36.28	26.56	150.1	.061	.121
50	16.45	36.27	26.64	142.9	.076	.188
60	15.45	36.06	26.71	136.6	.090	.263
70	15.18	36.01	26.74	134.7	.103	.351
71	15.18	36.01	26.74	134.8	.105	.361

CAST NO 53J LAT 21 40.3 DATE 3/ 7/74 TIME 9  
 STATION L 4 LONG 17 24.3 DPTH 99 PROBE OSU3  
 SWELL DIR 0 HT 2 PER 6 BAR 11.8 WEATHER 2  
 WIND DIR 320 SPD 2 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 16.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.13	36.10	26.35	168.9	0	0
10	17.07	36.10	26.37	168.0	.017	.008
20	16.93	36.13	26.42	162.9	.033	.033
30	16.73	36.17	26.50	155.8	.049	.073
40	16.65	36.18	26.53	153.7	.065	.127
50	16.41	36.17	26.54	149.3	.080	.195
60	16.02	36.08	26.60	147.4	.095	.277
70	15.63	36.02	26.64	143.7	.109	.371
80	15.13	35.97	26.72	136.9	.123	.477
90	15.06	35.97	26.73	135.7	.137	.593
90	15.06	35.97	26.74	135.7	.137	.593

CAST NO 54J LAT 21 40.0 DATE 3/ 7/74 TIME 106  
 STATION L 5 LONG 17 30.0 DPTH 570 PROBE OSU3  
 SWELL DIR 0 HT 2 PER 6 BAR 11.2 WEATHER 2  
 WIND DIR 320 SPD 6 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.7 WET BULB 16.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.31	36.22	26.40	164.3	0	0
10	17.32	36.22	26.40	164.9	.016	.008
20	17.33	36.22	26.40	165.5	.033	.033
30	17.35	36.23	26.40	165.6	.050	.074
40	17.33	36.24	26.40	165.9	.066	.132
50	17.42	36.27	26.41	164.9	.083	.207
60	17.24	36.37	26.53	153.9	.099	.296
70	17.01	36.34	26.57	151.0	.114	.395
80	16.84	36.33	26.60	148.3	.129	.507
90	16.71	36.30	26.60	148.0	.144	.633
100	16.62	36.30	26.63	145.8	.159	.772
110	16.43	36.28	26.64	144.8	.173	.925
120	16.47	36.31	26.67	142.7	.187	1.090
130	16.43	36.31	26.69	141.5	.202	1.268
140	16.34	36.29	26.69	141.9	.216	1.459
150	16.26	36.32	26.73	138.2	.230	1.661
160	16.10	36.30	26.75	136.5	.243	1.874
170	15.94	36.30	26.78	133.4	.257	2.098
180	15.62	36.22	26.80	132.4	.270	2.330
190	14.20	35.85	26.83	129.5	.283	2.573
200	14.23	35.86	26.83	129.7	.296	2.827
225	13.81	35.82	26.89	124.8	.328	3.505
250	13.15	35.65	26.89	124.7	.360	4.246
300	12.75	35.61	26.94	121.1	.421	5.945
400	12.12	35.55	27.02	116.0	.541	10.120
500	11.12	35.42	27.11	109.4	.652	15.119
535	10.20	35.31	27.19	101.8	.689	17.031

CAST NO 55J LAT 21 40.0 DATE 3/ 7/74 TIME 220  
 STATION L 6 LONG 17 36.0 DPTH 860 PROBE OSU3  
 SWELL DIR 0 HT 5 PER 7 BAR 10.5 WEATHER 3  
 WIND DIR 340 SPD 10 CLOUD TYPE 4- 0 AMOUNT 2  
 AIR TEMP 18.2 WET BULB 16.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.14	36.34	26.29	175.0	0	0
10	18.12	36.39	26.33	171.2	.017	.009
20	17.13	36.33	26.53	152.9	.034	.033
30	16.45	36.16	26.56	150.2	.049	.071
40	16.64	36.26	26.59	147.5	.064	.123
50	16.93	36.36	26.60	147.0	.078	.190
60	16.91	36.35	26.60	147.7	.093	.271
70	16.63	36.32	26.64	143.9	.108	.366
80	16.47	36.30	26.66	142.1	.122	.473
90	16.47	36.32	26.68	141.1	.136	.594
100	16.44	36.36	26.71	137.8	.150	.727
110	16.41	36.36	26.72	137.4	.164	.871
120	16.41	36.37	26.73	137.0	.178	1.029
130	16.39	36.38	26.74	136.2	.191	1.199
140	16.35	36.38	26.75	135.6	.205	1.383
150	16.21	36.37	26.78	133.5	.219	1.578
160	16.08	36.35	26.79	132.4	.232	1.784
170	16.06	36.35	26.80	132.3	.245	2.002
180	15.04	36.36	26.81	131.4	.258	2.232
190	16.00	36.36	26.82	130.9	.271	2.475
200	15.93	36.34	26.82	131.1	.284	2.731
225	15.24	36.18	26.85	128.5	.317	3.416
250	14.94	36.15	26.90	125.0	.348	4.168
300	13.82	35.90	26.95	121.3	.410	5.857
400	11.71	35.55	27.10	108.3	.526	9.907
500	10.26	35.31	27.18	102.1	.632	14.684
545	9.73	35.26	27.23	97.6	.677	17.026

CAST NO 56J LAT 21 40.0 DATE 3/ 7/74 TIME 333  
 STATION L 7 LONG 17 42.0 DPTH 841 PROBE OSU3  
 SWELL DIR 0 HT 5 PER 7 BAR 10.8 WEATHER 3  
 WIND DIR 330 SPD 14 CLOUD TYPE 6- 8 AMOUNT 7  
 AIR TEMP 18.1 WET BULB 16.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	19.16	36.26	26.22	181.3	0	0
10	19.17	36.28	26.23	180.4	.018	.009
20	18.16	36.27	26.23	181.3	.036	.036
30	17.83	36.16	26.23	181.8	.054	.081
40	18.07	36.35	26.32	173.7	.072	.143
50	17.94	36.46	26.43	163.1	.089	.220
60	16.91	36.21	26.49	157.9	.105	.306
70	16.92	36.36	26.63	145.3	.119	.401
80	16.58	36.30	26.64	144.5	.134	.510
90	16.46	36.28	26.65	143.7	.148	.633
100	16.46	36.30	26.66	142.5	.163	.769
110	16.38	36.28	26.67	142.5	.177	.918
120	16.30	36.27	26.68	141.8	.191	1.082
130	16.14	36.25	26.70	139.9	.205	1.257
140	16.10	36.27	26.73	138.0	.219	1.445
150	16.12	36.31	26.75	135.9	.233	1.643
160	16.12	36.35	26.78	133.3	.246	1.850
170	16.13	36.36	26.79	133.1	.259	2.070
180	16.07	36.37	26.81	131.4	.273	2.301
190	15.81	36.32	26.83	129.3	.286	2.542
200	15.61	36.29	26.85	127.7	.299	2.794
225	15.00	36.17	26.90	124.0	.330	3.462
250	14.77	36.13	26.92	122.8	.361	4.194
300	13.66	35.90	26.98	118.0	.421	5.841
400	11.09	35.41	27.10	107.2	.533	9.760
500	10.02	35.28	27.19	100.1	.635	14.361
551	9.56	35.23	27.23	97.1	.685	16.969

CAST NO 54J LAT 21 40.1 DATE 3/ 7/74 TIME 632  
 STATION L 3 LONG 17 54.5 DPTH 1147 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 11.8 WEATHER 2  
 WIND DIR 0 SPD 10 CLOUD TYPE 7- 0 AMOUNT 7  
 AIR TEMP 18.4 WET BULB 16.2

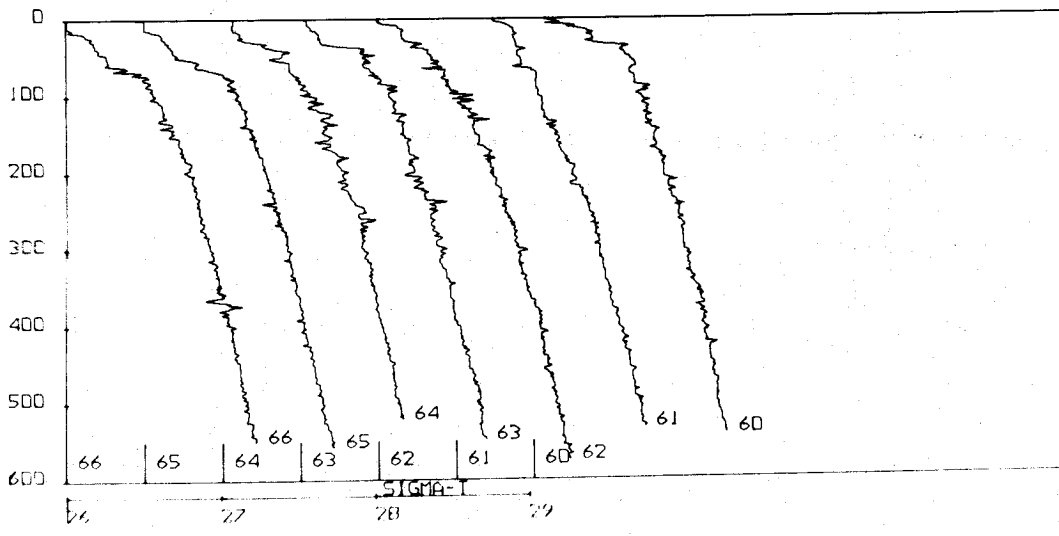
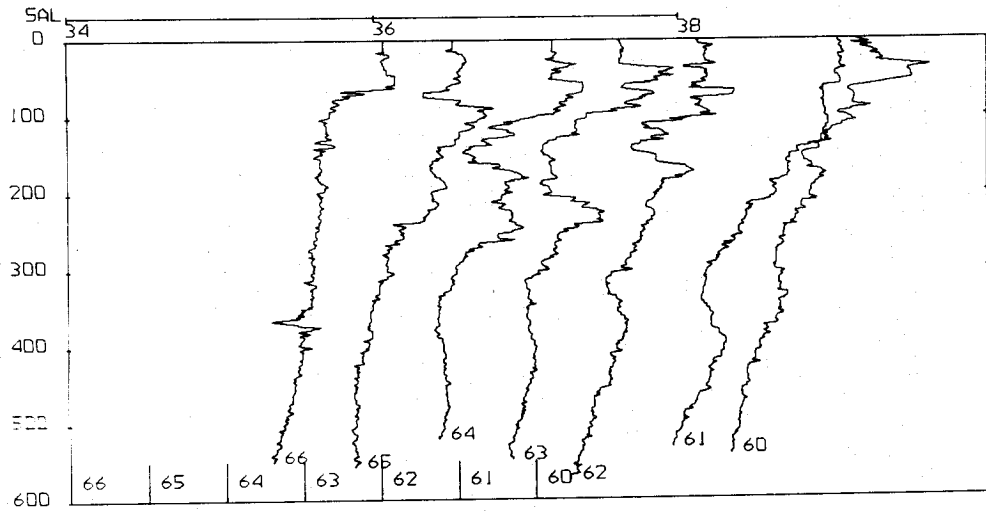
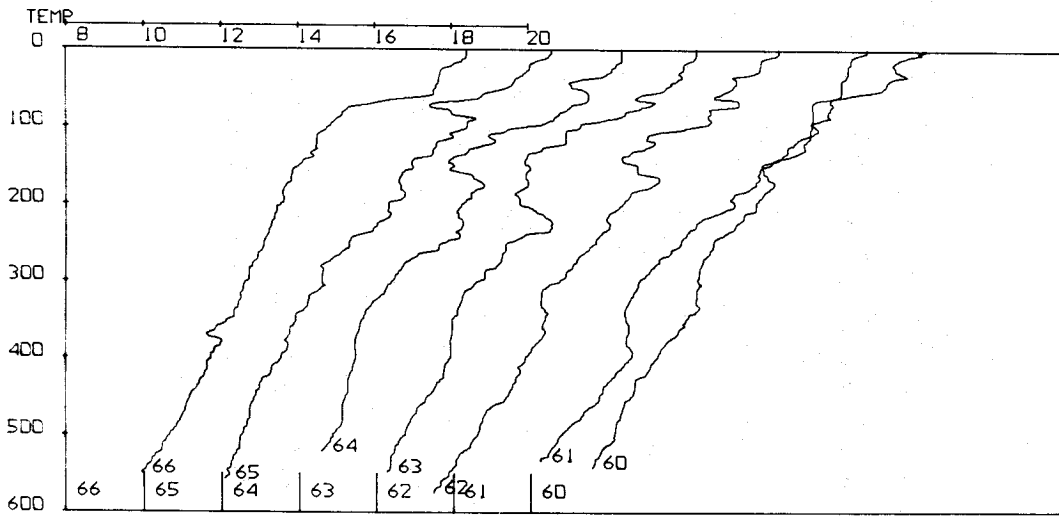
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.18	36.19	26.16	186.8	0	0
10	18.20	36.19	26.16	187.7	.019	.009
20	17.70	36.19	26.28	176.2	.037	.036
30	17.27	36.20	26.39	165.9	.054	.079
40	17.05	36.19	26.44	161.9	.070	.136
50	16.55	36.14	26.52	154.6	.086	.207
60	16.18	36.08	26.56	151.0	.102	.292
70	16.35	36.20	26.61	146.4	.116	.389
80	16.57	36.29	26.63	145.1	.131	.498
90	16.69	36.35	26.65	143.8	.145	.621
100	16.63	36.35	26.66	142.7	.160	.757
110	16.64	36.37	26.68	141.8	.174	.906
120	16.64	36.39	26.69	140.7	.188	1.069
130	16.68	36.44	26.72	138.3	.202	1.242
140	16.28	36.31	26.71	139.1	.216	1.430
150	15.89	36.19	26.71	139.5	.230	1.632
160	14.88	35.92	26.73	137.7	.244	1.848
170	14.65	35.92	26.78	133.2	.257	2.073
180	14.90	36.01	26.80	132.2	.271	2.304
190	14.61	35.91	26.78	133.7	.284	2.549
200	14.30	35.87	26.82	130.4	.297	2.805
225	13.91	35.79	26.84	129.0	.329	3.490
250	14.18	35.90	26.87	127.2	.361	4.244
300	12.84	35.64	26.95	120.7	.423	5.940
400	11.09	35.38	27.08	109.4	.538	9.963
500	10.25	35.31	27.18	101.9	.642	14.627
529	9.46	35.24	27.26	94.2	.670	16.105

CAST NO 57J LAT 21 40.3 DATE 3/ 7/74 TIME 455  
 STATION L 8 LONG 17 48.2 DPTH 958 PROBE OSU3  
 SWELL DIR 300 HT 3 PER 4 BAR 11.2 WEATHER 2  
 WIND DIR 330 SPD 12 CLOUD TYPE 8- 0 AMOUNT 7  
 AIR TEMP 18.0 WET BULB 16.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.90	36.13	26.19	184.6	0	0
10	17.87	36.16	26.22	182.1	.018	.009
20	17.89	36.21	26.25	179.3	.036	.036
30	17.29	36.34	26.50	156.2	.053	.077
40	16.98	36.25	26.50	155.9	.069	.132
50	16.74	36.28	26.58	148.6	.084	.200
60	16.73	36.28	26.59	148.8	.098	.282
70	16.71	36.28	26.58	148.6	.113	.378
80	16.01	36.11	26.62	145.7	.128	.489
90	16.01	36.15	26.65	143.1	.143	.613
100	16.44	36.35	26.71	138.5	.157	.746
110	16.31	36.35	26.74	135.9	.170	.890
120	16.00	36.28	26.76	134.4	.184	1.045
130	15.46	36.13	26.76	133.9	.197	1.213
140	15.52	36.15	26.77	134.0	.211	1.394
150	15.65	36.22	26.79	132.1	.224	1.586
160	15.71	36.24	26.79	132.6	.237	1.792
170	15.83	36.31	26.82	130.1	.250	2.009
180	15.73	36.31	26.84	128.2	.263	2.236
190	15.63	36.30	26.86	127.1	.276	2.472
200	15.34	36.26	26.89	124.0	.289	2.717
225	14.33	36.08	26.98	116.5	.319	3.358
250	13.68	35.90	26.98	117.0	.348	4.055
300	13.26	35.84	27.02	114.4	.406	5.654
400	11.15	35.43	27.11	106.8	.518	9.537
500	10.02	35.30	27.21	98.8	.621	14.176
531	9.49	35.24	27.25	94.7	.651	15.729

CAST NO 59J LAT 21 40.8 DATE 3/ 7/74 TIME 805  
 STATION L 10 LONG 18 0 DPTH 1325 PROBE OSU3  
 SWELL DIR 330 HT 4 PER 7 BAR 11.8 WEATHER 1  
 WIND DIR 330 SPD 10 CLOUD TYPE 6- 0 AMOUNT 5  
 AIR TEMP 18.3 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.80	36.20	26.27	177.2	0	0
10	17.74	36.24	26.31	173.2	.017	.009
20	17.51	36.32	26.43	162.4	.035	.034
30	17.58	36.33	26.42	163.7	.051	.075
40	17.72	36.56	26.56	150.2	.067	.130
50	16.57	36.26	26.61	146.3	.081	.196
60	15.70	36.04	26.64	143.4	.096	.275
70	15.64	36.04	26.65	142.4	.110	.368
80	15.55	36.04	26.68	140.8	.124	.474
90	15.30	36.02	26.72	137.2	.138	.593
100	15.22	36.00	26.72	137.2	.152	.723
110	15.06	35.97	26.73	136.3	.165	.866
120	15.00	35.96	26.74	136.1	.179	1.023
130	14.54	35.84	26.75	135.5	.193	1.192
140	14.28	35.82	26.79	132.0	.206	1.372
150	14.04	35.76	26.79	131.7	.219	1.563
160	14.20	35.83	26.81	130.1	.232	1.765
170	14.19	35.86	26.84	128.1	.245	1.979
180	14.21	35.87	26.84	128.0	.258	2.203
190	13.42	35.77	26.85	127.6	.271	2.438
200	13.84	35.78	26.85	127.6	.283	2.687
225	13.57	35.76	26.89	124.3	.315	3.355
250	13.34	35.72	26.91	123.3	.346	4.090
300	12.49	35.61	26.99	116.1	.405	5.725
400	11.55	35.53	27.11	105.8	.518	9.655
500	10.07	35.31	27.21	98.4	.620	14.245
600	9.34	35.24	27.28	93.7	.716	19.516
800	7.35	35.05	27.44	79.5	.887	31.443
1000	6.59	35.06	27.55	70.5	1.037	44.904
1200	5.95	35.14	27.70	58.0	1.169	59.358
1204	5.95	35.13	27.69	58.0	1.171	59.639



CAST NO 60J LAT 21 40.0 DATE 3/ 7/74 TIME 1503  
 STATION L10 LONG 18 0 DPTH 1310 PROBE OSU3  
 SWELL DIR 310 HT 6 PER 7 BAR 11.8 WEATHER 0  
 WIND DIR 310 SPD 14 CLOUD TYPE 0-0 AMOUNT 1  
 AIR TEMP 19.5 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.31	36.13	26.09	194.3	0	0
10	17.30	36.21	26.27	176.8	.018	.009
20	17.48	36.27	26.40	165.3	.035	.034
30	17.58	36.38	26.43	162.3	.052	.075
40	17.35	36.49	26.60	147.0	.067	.129
50	17.19	36.51	26.65	142.2	.082	.194
60	16.21	36.17	26.62	145.1	.096	.271
70	15.88	36.12	26.66	141.8	.110	.364
80	15.75	36.11	26.68	140.4	.124	.469
90	15.59	36.14	26.75	134.3	.138	.588
100	15.46	36.09	26.73	135.8	.152	.718
110	15.30	36.06	26.75	134.9	.165	.860
120	14.59	35.96	26.76	133.8	.179	1.014
130	14.69	35.90	26.76	134.3	.192	1.182
140	14.51	35.88	26.78	132.3	.205	1.362
150	14.02	35.77	26.80	130.5	.218	1.551
160	14.10	35.81	26.82	129.5	.231	1.753
170	14.33	35.91	26.84	127.2	.244	1.967
180	14.22	35.89	26.85	126.7	.257	2.190
190	14.03	35.85	26.86	126.0	.270	2.422
200	13.87	35.82	26.87	125.3	.282	2.667
225	13.38	35.74	26.91	122.0	.313	3.323
250	12.76	35.65	26.97	117.1	.343	4.029
300	12.38	35.60	27.01	114.7	.401	5.622
400	11.25	35.48	27.13	109.0	.510	9.433
500	10.17	35.33	27.21	99.1	.611	13.997
542	9.61	35.28	27.26	94.0	.652	16.102

CAST NO 62J LAT 21 40.9 DATE 3/ 7/74 TIME 1849  
 STATION L14 LONG 18 24.2 DPTH 2546 PROBE OSU3  
 SWELL DIR 330 HT 9 PER 10 BAR 11.2 WEATHER 2  
 WIND DIR 320 SPD 14 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 19.0 WET BULB 16.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.51	36.09	26.00	202.0	0	0
10	18.17	36.16	26.14	189.6	.020	.010
20	19.01	36.15	26.18	186.4	.038	.038
30	17.87	36.17	26.22	182.2	.057	.084
40	17.38	36.15	26.33	172.4	.075	.146
50	17.26	36.16	26.37	169.2	.092	.222
60	16.82	36.07	26.40	166.1	.108	.315
70	17.47	36.34	26.45	161.7	.125	.421
80	16.71	36.12	26.47	160.6	.141	.542
90	16.71	36.14	26.49	159.0	.157	.678
100	16.21	36.07	26.55	153.3	.173	.827
110	15.11	35.75	26.55	153.4	.188	.988
120	15.26	35.87	26.61	148.2	.203	1.161
130	14.87	35.78	26.63	146.8	.218	1.344
140	14.40	35.66	26.64	146.0	.232	1.541
150	14.82	35.83	26.67	143.0	.247	1.752
160	14.86	35.83	26.67	143.3	.261	1.974
170	15.36	36.04	26.72	139.4	.275	2.206
180	14.97	35.95	26.74	138.0	.289	2.447
190	14.60	35.86	26.75	137.1	.303	2.701
200	14.42	35.82	26.76	136.6	.316	2.967
225	14.09	35.80	26.81	131.9	.350	3.678
250	13.73	35.74	26.84	129.7	.382	4.452
300	12.77	35.60	26.93	122.3	.445	6.173
400	11.87	35.55	27.07	111.3	.562	10.268
500	10.63	35.38	27.16	103.5	.670	15.094
575	9.48	35.24	27.25	95.5	.744	19.084

CAST NO 61J LAT 21 40.9 DATE 3/ 7/74 TIME 1657  
 STATION L12 LONG 18 12.4 DPTH 2139 PROBE OSU3  
 SWELL DIR 340 HT 6 PER 7 BAR 11.2 WEATHER 1  
 WIND DIR 320 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 19.3 WET BULB 16.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.77	36.52	26.27	177.0	0	0
10	18.37	36.54	26.38	166.3	.017	.009
20	18.30	36.56	26.42	163.5	.034	.033
30	18.27	36.54	26.41	164.6	.050	.074
40	18.12	36.50	26.42	164.3	.067	.132
50	18.12	36.53	26.44	162.5	.083	.205
60	18.96	36.54	26.46	160.7	.099	.294
70	17.36	36.43	26.55	152.6	.115	.396
80	17.37	36.42	26.54	153.9	.130	.511
90	17.37	36.43	26.55	153.5	.146	.642
100	17.33	36.44	26.56	152.3	.161	.787
110	17.30	36.46	26.59	150.4	.176	.945
120	17.15	36.42	26.59	150.2	.191	1.118
130	17.15	36.44	26.61	149.1	.206	1.306
140	16.54	36.29	26.64	146.4	.221	1.504
150	16.19	36.22	26.67	144.0	.235	1.713
160	15.95	36.17	26.68	142.6	.249	1.933
170	15.90	36.18	26.70	141.3	.263	2.168
180	15.71	36.17	26.74	139.0	.277	2.412
190	15.30	36.08	26.76	135.9	.291	2.665
200	15.34	36.11	26.78	134.9	.304	2.926
225	14.34	35.91	26.84	129.1	.338	3.629
250	13.93	35.85	26.88	125.7	.369	4.383
300	12.83	35.65	26.96	113.8	.430	6.059
400	12.68	35.75	27.08	110.7	.546	10.103
500	10.74	35.51	27.24	96.7	.651	14.817
533	10.28	35.40	27.24	96.6	.684	16.494

CAST NO 63J LAT 21 40.0 DATE 3/ 7/74 TIME 2027  
 STATION L15 LONG 18 30.0 DPTH 2710 PROBE OSU3  
 SWELL DIR 340 HT 6 PER 7 BAR 11.2 WEATHER 2  
 WIND DIR 320 SPD 12 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.9 WET BULB 16.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.35	36.09	26.04	198.1	0	0
10	18.32	36.11	26.07	196.3	.020	.010
20	18.03	36.11	26.14	189.8	.039	.039
30	17.91	36.09	26.15	189.9	.058	.086
40	17.85	36.41	26.41	164.5	.076	.149
50	17.57	36.33	26.42	164.1	.092	.222
60	16.87	36.14	26.45	162.1	.109	.312
70	17.24	36.28	26.46	160.7	.125	.417
80	16.54	36.14	26.52	155.3	.140	.535
90	16.76	36.12	26.62	146.4	.156	.664
100	15.31	35.87	26.60	148.6	.171	.808
110	14.94	35.80	26.63	146.2	.185	.962
120	14.94	35.81	26.63	145.8	.200	1.130
130	14.32	35.67	26.66	143.4	.215	1.312
140	13.92	35.57	26.67	142.5	.229	1.504
150	14.00	35.62	26.69	141.1	.243	1.710
160	13.90	35.63	26.72	138.6	.257	1.927
170	13.96	35.64	26.72	139.3	.271	2.156
180	13.84	35.65	26.75	136.5	.285	2.398
190	13.72	35.63	26.76	135.8	.298	2.651
200	13.77	35.63	26.75	137.0	.312	2.917
225	14.51	35.96	26.82	131.1	.346	3.630
250	13.42	35.68	26.86	127.8	.378	4.387
300	12.66	35.58	26.94	121.6	.441	6.123
400	11.89	35.51	27.03	114.6	.559	10.272
500	10.72	35.41	27.17	102.9	.667	15.124
548	10.30	35.36	27.21	100.2	.716	17.692

CAST NO 64J LAT 21 40.0 DATE 3/ 7/74 TIME 2155  
 STATION L16 LONG 18 36.0 DPTH 2830 PROBE CSU3  
 SWELL DIR 330 HT 7 PER 8 BAR 12.2 WEATHER 3  
 WIND DIR 320 SPD 10 CLOUD TYPE 7- 0 AMOUNT 2  
 AIR TEMP 19.0 WET BULB 17.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.43	36.16	26.08	195.0	0	0
10	18.43	36.16	26.08	195.3	.020	.010
20	18.26	36.16	26.12	191.6	.039	.039
30	18.09	36.21	26.21	183.9	.058	.086
40	17.28	36.19	26.38	167.2	.075	.148
50	17.18	36.19	26.41	165.2	.092	.222
60	17.56	36.36	26.45	162.0	.108	.311
70	17.35	36.34	26.48	158.9	.124	.416
80	16.91	36.21	26.49	158.6	.140	.535
90	16.64	36.16	26.52	156.4	.156	.668
100	15.38	36.02	26.59	150.0	.171	.813
110	14.36	35.77	26.60	148.5	.186	.968
120	15.10	35.86	26.64	145.5	.201	1.137
130	14.42	35.69	26.66	144.0	.215	1.315
140	14.01	35.60	26.67	142.4	.229	1.507
150	14.05	35.62	26.68	142.1	.243	1.713
160	14.40	35.79	26.74	137.1	.257	1.931
170	14.74	35.86	26.72	139.4	.271	2.161
180	14.66	35.93	26.79	132.9	.285	2.399
190	14.51	35.85	26.76	135.9	.298	2.649
200	14.24	35.83	26.80	132.1	.312	2.909
225	14.29	35.88	26.83	130.2	.345	3.606
250	13.78	35.86	26.92	122.1	.376	4.357
300	12.42	35.51	26.93	122.1	.438	6.048
400	11.45	35.42	27.04	113.1	.555	10.146
500	10.91	35.42	27.15	105.6	.664	15.030
521	10.60	35.39	27.18	102.7	.685	16.140

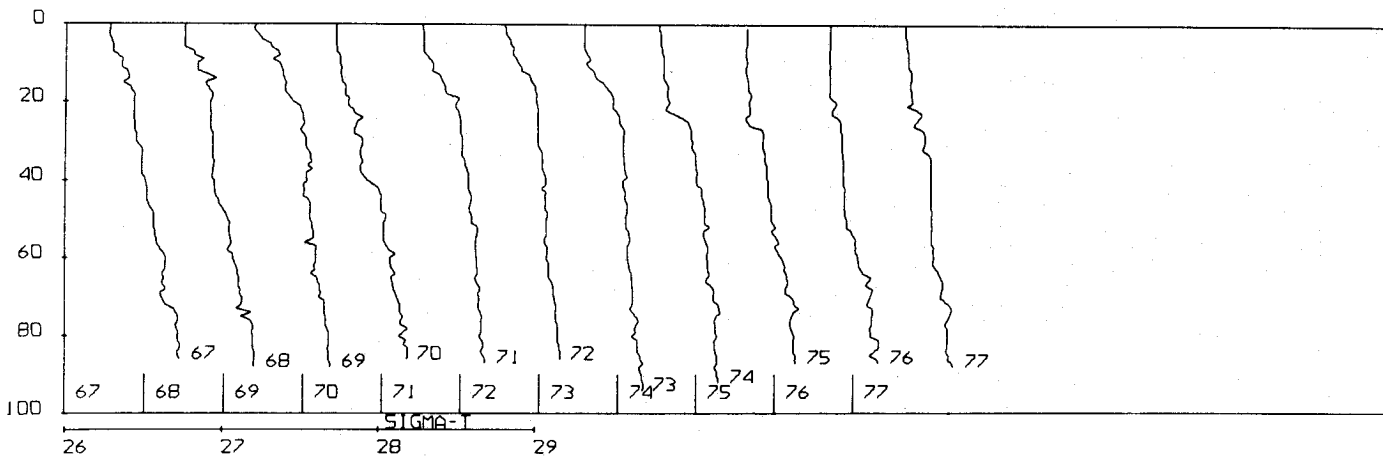
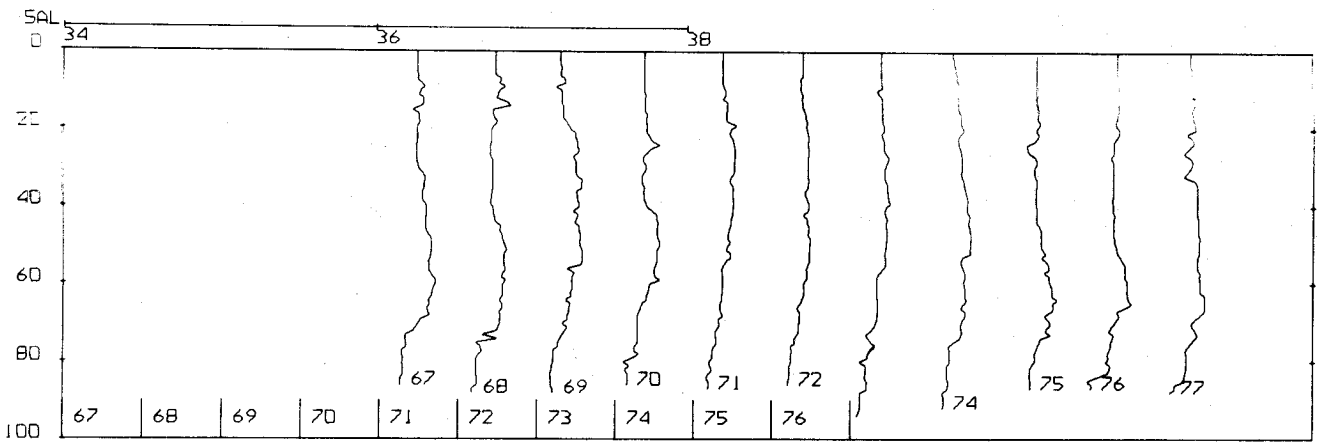
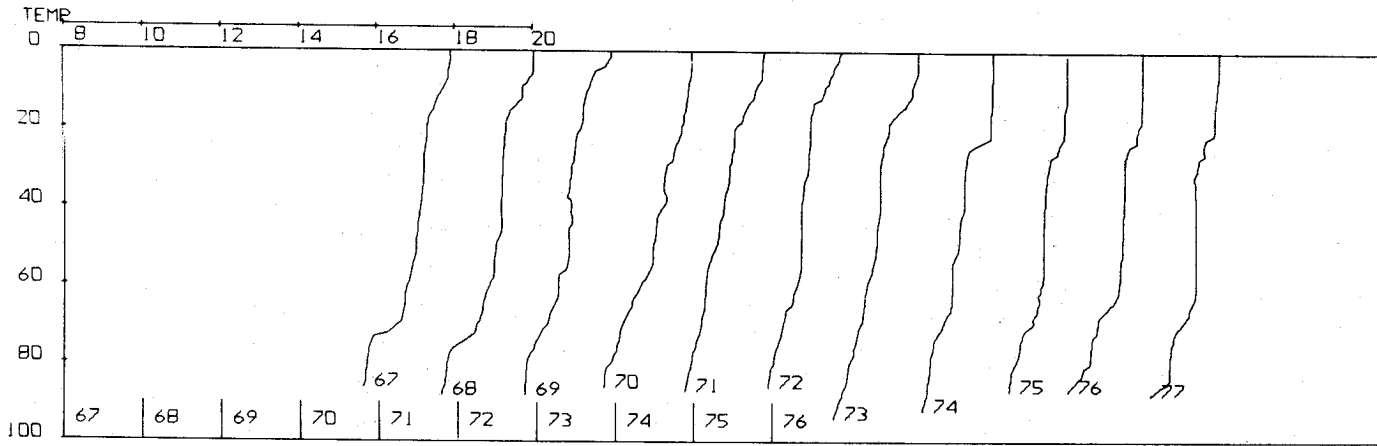
CAST NO 660 LAT 21 40.0 DATE 3/ 8/74 TIME 205  
 STATION L20 LONG 19 60.3 DPTH 3240 PROBE CSU3  
 SWELL DIR 330 HT 5 PER 7 BAR 11.2 WEATHER 3  
 WIND DIR 320 SPD 15 CLOUD TYPE 2- 6 AMOUNT 6  
 AIR TEMP 19.2 WET BULB 17.1

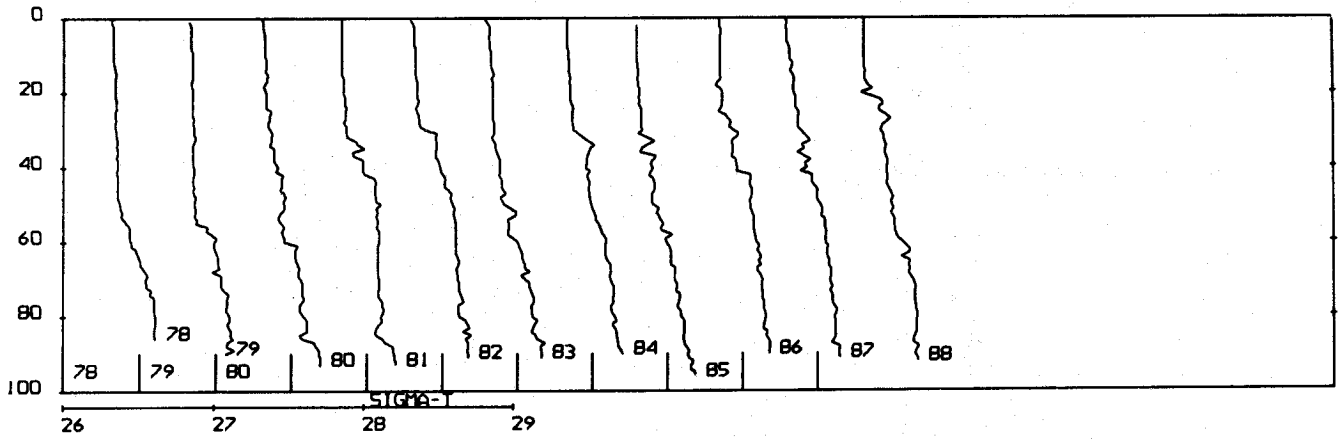
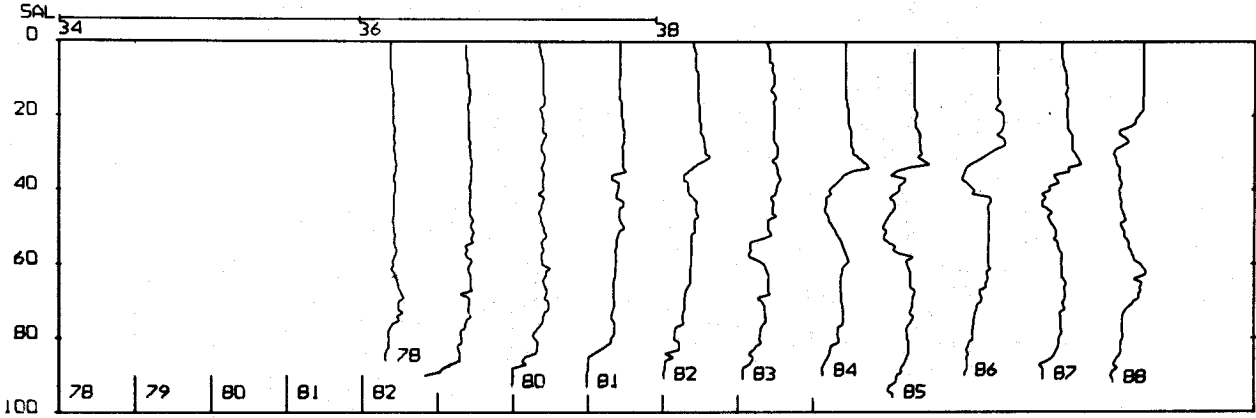
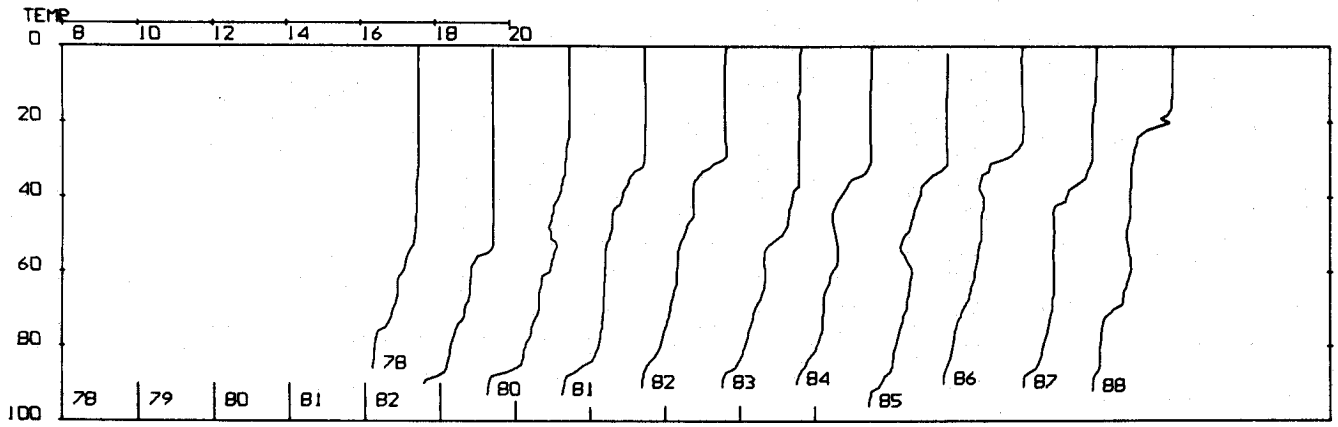
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	13.40	36.06	26.01	201.5	0	0
10	18.37	36.06	26.02	201.2	.020	.010
20	18.03	36.10	26.13	193.5	.040	.039
30	17.70	36.06	26.18	186.0	.059	.086
40	17.65	36.08	26.21	183.7	.077	.151
50	17.58	36.13	26.27	179.8	.095	.232
60	17.38	36.11	26.30	176.0	.113	.330
70	15.95	35.89	26.47	160.1	.130	.440
80	15.19	35.75	26.54	154.0	.146	.558
90	14.98	35.73	26.56	151.5	.161	.687
100	14.79	35.68	26.57	151.5	.176	.831
110	14.52	35.68	26.63	146.2	.191	.988
120	14.50	35.69	26.64	145.3	.206	1.156
130	14.48	35.66	26.62	147.4	.220	1.338
140	14.36	35.71	26.68	141.9	.234	1.532
150	14.03	35.64	26.70	140.5	.249	1.737
160	13.84	35.64	26.74	136.7	.262	1.951
170	13.81	35.64	26.75	136.4	.276	2.176
180	13.64	35.62	26.77	134.7	.290	2.413
190	13.65	35.68	26.81	130.8	.303	2.659
200	13.56	35.63	26.79	132.6	.316	2.915
225	13.32	35.64	26.85	128.1	.348	3.604
250	13.11	35.60	26.96	127.6	.380	4.360
300	12.66	35.59	26.94	120.9	.442	6.067
400	11.75	35.49	27.04	113.5	.558	10.121
500	10.68	35.40	27.17	102.9	.666	14.940
55"	9.94	35.31	27.23	97.6	.716	17.579

CAST NO 65J LAT 21 40.0 DATE 3/ 8/74 TIME 2  
 STATION L18 LONG 18 48.0 DPTH 3030 PROBE CSU3  
 SWELL DIR 330 HT 6 PER 7 BAR 11.8 WEATHER 3  
 WIND DIR 320 SPD 14 CLOUD TYPE 6- 0 AMOUNT 3  
 AIR TEMP 19.3 WET BULB 17.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.59	36.01	25.92	209.7	0	0
10	18.50	36.01	25.95	207.9	.021	.010
20	18.04	36.09	26.12	191.5	.041	.040
30	17.92	36.09	26.15	189.0	.060	.088
40	17.63	36.05	26.19	185.5	.079	.153
50	17.43	36.04	26.23	181.9	.097	.236
60	16.77	35.98	26.35	171.5	.114	.332
70	15.50	35.81	26.51	156.3	.131	.439
80	15.39	36.03	26.57	151.1	.146	.555
90	16.59	36.26	26.60	148.2	.161	.683
100	16.39	36.22	26.62	146.8	.176	.823
110	15.99	36.11	26.63	146.2	.191	.977
120	15.61	36.05	26.67	142.6	.205	1.143
130	15.51	36.02	26.67	143.1	.220	1.321
140	15.16	35.94	26.69	141.6	.234	1.514
150	14.49	35.93	26.72	138.9	.248	1.717
160	14.72	35.87	26.73	138.0	.262	1.932
170	14.62	35.86	26.74	136.9	.276	2.159
180	14.69	35.91	26.77	134.9	.289	2.397
190	14.77	35.96	26.79	133.4	.303	2.646
200	14.36	35.85	26.79	133.1	.316	2.905
225	14.06	35.93	26.84	129.1	.349	3.603
250	13.31	35.67	26.87	126.4	.381	4.366
300	12.61	35.56	26.93	122.1	.443	6.066
400	11.53	35.43	27.04	113.8	.560	10.166
500	10.50	35.36	27.17	102.6	.668	15.031
557	10.09	35.35	27.24	97.5	.726	18.067







CAST NO 67J LAT 21 43.7 DATE 3/ 8/74 TIME 1315  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 0 WEATHER 0  
 WIND DIR 0 SPD 11 CLOUD TYPE 2- 0 AMOUNT 2  
 AIR TEMP 19.5 WET BULB 16.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.91	36.26	26.28	175.4	0	0
10	17.58	36.28	26.36	163.9	.017	.009
20	17.29	36.26	26.44	161.6	.034	.033
30	17.21	36.27	26.46	159.4	.050	.073
40	17.12	36.31	26.52	154.8	.066	.128
50	17.03	36.35	26.57	150.1	.081	.197
60	16.77	36.36	26.64	143.8	.096	.278
70	16.53	36.31	26.66	142.3	.110	.372
80	15.75	36.17	26.73	135.7	.124	.475
86	15.66	36.15	26.73	135.3	.132	.542

CAST NO 71U LAT 21 43.7 DATE 3/ 8/74 TIME 2000  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 340 HT 8 PER 8 BAR 10.8 WEATHER 1  
 WIND DIR 0 SPD 13 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 16.0 WET BULB 16.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.87	36.21	26.26	178.1	0	0
10	17.64	36.22	26.32	172.3	.018	.009
20	17.11	36.25	26.47	158.2	.034	.034
30	17.01	36.28	26.52	154.1	.050	.073
40	16.84	36.28	26.56	150.6	.065	.126
50	16.64	36.25	26.58	148.6	.080	.193
60	16.39	36.20	26.61	146.9	.095	.274
70	16.25	36.20	26.64	144.2	.109	.369
80	16.01	36.13	26.64	144.3	.124	.477
87	15.83	36.11	26.67	142.0	.134	.561

CAST NO 68J LAT 21 43.7 DATE 3/ 8/74 TIME 1448  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 0 HT 0 PER 0 BAR 0 WEATHER 0  
 WIND DIR 0 SPD 0 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 19.2 WET BULB 16.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.03	36.26	26.25	178.2	0	0
10	17.74	36.29	26.35	169.6	.018	.009
20	17.29	36.24	26.42	163.1	.034	.033
30	17.21	36.24	26.44	161.6	.050	.074
40	17.13	36.23	26.44	162.0	.067	.131
50	17.05	36.32	26.54	152.8	.082	.202
60	16.87	36.30	26.57	150.5	.098	.286
70	16.54	36.27	26.62	145.5	.112	.381
80	15.77	36.13	26.69	139.0	.127	.488
88	15.63	36.11	26.71	137.7	.138	.581

CAST NO 72U LAT 21 43.7 DATE 3/ 8/74 TIME 2100  
 STATION LONG 17 25.1 DPTH 0 PROBE OSU3  
 SWELL DIR 340 HT 8 PER 8 BAR 11.2 WEATHER 2  
 WIND DIR 10 SPD 14 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.33	36.22	26.27	176.4	0	0
10	17.41	36.21	26.37	167.7	.017	.009
20	17.04	36.26	26.50	155.9	.033	.032
30	16.99	36.25	26.50	155.8	.049	.071
40	16.82	36.24	26.53	153.0	.064	.125
50	16.82	36.26	26.55	151.9	.079	.194
60	16.70	36.24	26.56	151.0	.095	.277
70	16.34	36.19	26.61	147.0	.110	.374
80	16.09	36.14	26.63	145.3	.124	.484
86	15.95	36.12	26.65	143.9	.133	.556

CAST NO 69J LAT 21 43.7 DATE 3/ 8/74 TIME 1627  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 340 HT 7 PER 10 BAR 11.2 WEATHER 2  
 WIND DIR 350 SPD 10 CLOUD TYPE 0- 7 AMOUNT 2  
 AIR TEMP 19.0 WET BULB 16.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.99	36.17	26.20	183.3	0	0
10	17.36	36.18	26.36	168.7	.018	.009
20	17.17	36.22	26.43	161.8	.034	.033
30	16.96	36.27	26.52	153.7	.050	.072
40	16.97	36.29	26.54	152.8	.065	.125
50	16.92	36.30	26.56	151.3	.080	.194
60	16.61	36.25	26.59	148.2	.095	.276
70	16.32	36.20	26.62	145.7	.110	.372
80	15.80	36.11	26.67	141.1	.124	.479
88	15.75	36.12	26.69	139.6	.135	.574

CAST NO 73U LAT 21 43.7 DATE 3/ 8/74 TIME 2130  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 340 HT 8 PER 8 BAR 11.8 WEATHER 2  
 WIND DIR 10 SPD 15 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.79	36.22	26.28	175.5	0	0
10	17.65	36.21	26.31	173.3	.017	.009
20	17.04	36.24	26.48	157.4	.034	.033
30	16.82	36.24	26.53	152.7	.049	.072
40	16.83	36.27	26.55	151.1	.065	.125
50	16.72	36.25	26.57	150.4	.080	.193
60	16.48	36.19	26.57	149.8	.095	.275
70	16.30	36.18	26.61	146.8	.109	.371
80	16.03	36.11	26.62	146.2	.124	.481
90	15.74	36.08	26.66	142.3	.138	.603
94	15.62	36.06	26.67	141.3	.144	.655

CAST NO 70U LAT 21 43.7 DATE 3/ 8/74 TIME 1818  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 340 HT 9 PER 10 BAR 10.5 WEATHER 2  
 WIND DIR 350 SPD 14 CLOUD TYPE 0- 6 AMOUNT 2  
 AIR TEMP 18.5 WET BULB 16.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.05	36.21	26.21	182.3	0	0
10	17.95	36.21	26.24	180.3	.018	.009
20	17.78	36.23	26.29	175.2	.036	.036
30	17.37	36.19	26.36	168.9	.053	.078
40	17.27	36.27	26.45	161.1	.070	.137
50	17.05	36.29	26.52	155.0	.085	.207
60	16.72	36.25	26.57	150.7	.101	.292
70	16.24	36.16	26.61	146.8	.116	.389
80	15.91	36.11	26.65	143.5	.130	.497
86	15.76	36.09	26.67	141.9	.139	.568

CAST NO 74J LAT 21 43.7 DATE 3/ 8/74 TIME 2230  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 340 HT 8 PER 8 BAR 11.8 WEATHER 2  
 WIND DIR 10 SPD 15 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 16.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.72	36.18	26.27	176.7	0	0
10	17.70	36.21	26.30	174.4	.018	.009
20	17.56	36.24	26.33	171.7	.035	.035
30	17.01	36.24	26.49	157.0	.051	.075
40	16.99	36.27	26.52	154.7	.067	.130
50	16.93	36.30	26.58	149.2	.082	.197
60	16.67	36.26	26.58	148.9	.097	.279
70	16.43	36.24	26.63	145.3	.111	.375
80	16.09	36.15	26.64	144.6	.126	.484
90	15.93	36.12	26.65	143.6	.140	.606
92	15.90	36.11	26.65	143.7	.143	.632

CAST NO 75D LAT 21 43.7 DATE 3/ 9/74 TIME 36  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 320 HT 7 PER 7 BAR 10.8 WEATHER 3  
 WIND DIR 20 SPD 16 CLOUD TYPE 4- 0 AMOUNT 1  
 AIR TEMP 18.1 WLT BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.62	36.22	26.33	171.5	0	0
1	17.62	36.22	26.33	171.5	.002	.000
10	17.61	36.22	26.33	171.6	.017	.009
20	17.66	36.23	26.35	170.1	.034	.034
30	17.13	36.21	26.44	161.9	.051	.076
40	17.05	36.22	26.46	159.7	.067	.132
50	17.03	36.25	26.45	157.4	.083	.204
60	16.94	36.31	26.56	151.3	.099	.289
70	16.69	36.28	26.60	148.2	.113	.386
80	16.27	36.19	26.63	145.6	.128	.495
87	16.11	36.17	26.65	143.8	.138	.580

CAST NO 79J LAT 21 43.7 DATE 3/ 9/74 TIME 528  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 360 HT 7 PER 8 BAR 10.5 WEATHER 3  
 WIND DIR 20 SPD 18 CLOUD TYPE 0- 8 AMOUNT 5  
 AIR TEMP 17.6 WLT BULB 15.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.52	36.21	26.34	169.9	0	0
1	17.52	36.21	26.34	169.9	.002	.000
10	17.52	36.22	26.35	169.5	.017	.008
20	17.52	36.23	26.36	169.1	.034	.034
30	17.52	36.24	26.36	168.8	.051	.076
40	17.52	36.23	26.36	169.8	.068	.135
50	17.52	36.26	26.38	168.0	.085	.211
60	16.91	36.23	26.50	156.5	.101	.301
70	16.72	36.23	26.55	152.8	.116	.402
80	16.33	36.17	26.60	148.4	.131	.515
90	15.61	35.93	26.58	150.4	.146	.639
90	15.61	35.93	26.58	150.4	.146	.639

CAST NO 76J LAT 21 43.7 DATE 3/ 9/74 TIME 245  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 290 HT 8 PER 7 BAR 10.5 WEATHER 1  
 WIND DIR 10 SPD 20 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 18.0 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.56	36.24	26.36	168.7	0	0
10	17.56	36.24	26.36	169.0	.017	.008
20	17.44	36.24	26.38	166.6	.034	.034
30	17.12	36.21	26.44	161.7	.050	.075
40	17.10	36.21	26.44	161.6	.066	.131
50	17.07	36.22	26.46	160.5	.082	.204
60	16.97	36.29	26.54	153.6	.098	.290
7	16.40	36.21	26.61	146.5	.113	.386
80	16.19	36.17	26.63	145.3	.127	.495
87	15.62	36.06	26.67	141.1	.137	.579

CAST NO 80J LAT 21 43.7 DATE 3/ 9/74 TIME 630  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 0 HT 6 PER 7 BAR 10.8 WEATHER 2  
 WIND DIR 10 SPD 16 CLOUD TYPE 0- 8 AMOUNT 5  
 AIR TEMP 17.5 WET BULB 15.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.56	36.20	26.32	171.6	0	0
10	17.57	36.23	26.34	170.0	.017	.009
20	17.55	36.21	26.33	171.3	.034	.034
30	17.45	36.22	26.37	168.6	.051	.077
40	17.24	36.22	26.42	164.1	.068	.135
50	17.06	36.22	26.46	160.3	.084	.207
60	17.00	36.23	26.48	158.5	.100	.296
70	16.70	36.24	26.56	151.3	.115	.394
80	16.33	36.18	26.60	147.7	.130	.506
90	15.34	36.01	26.70	138.8	.145	.629
93	15.30	36.01	26.71	138.0	.149	.667

CAST NO 77J LAT 21 43.7 DATE 3/ 9/74 TIME 333  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 320 HT 7 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 10 SPD 18 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.53	36.21	26.34	170.1	0	0
10	17.47	36.22	26.36	168.4	.017	.008
20	17.42	36.23	26.38	166.8	.034	.034
30	16.99	36.18	26.45	163.9	.050	.074
40	16.98	36.25	26.50	155.9	.066	.129
50	16.97	36.26	26.51	155.3	.081	.199
60	16.96	36.27	26.52	154.7	.097	.284
70	16.57	36.27	26.62	146.2	.112	.382
80	16.27	36.18	26.62	146.4	.126	.492
88	15.76	36.07	26.65	143.4	.138	.589

CAST NO 81J LAT 21 43.7 DATE 3/ 9/74 TIME 729  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 8 BAR 11.2 WEATHER 1  
 WIND DIR 20 SPD 16 CLOUD TYPE 0- 7 AMOUNT 3  
 AIR TEMP 17.3 WET BULB 15.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.57	36.24	26.35	168.9	0	0
10	17.59	36.24	26.35	169.7	.017	.008
20	17.59	36.26	26.37	168.4	.034	.034
30	17.54	36.26	26.38	167.8	.051	.076
40	16.94	36.21	26.48	158.1	.067	.133
50	16.60	36.25	26.59	147.7	.082	.201
60	16.46	36.20	26.59	148.6	.097	.282
70	16.42	36.19	26.59	148.7	.112	.379
80	16.28	36.18	26.61	146.6	.127	.489
90	15.35	36.01	26.70	139.0	.141	.613
93	15.30	36.01	26.71	138.0	.145	.651

CAST NO 78J LAT 21 43.7 DATE 3/ 9/74 TIME 428  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 340 HT 7 PER 8 BAR 10.5 WEATHER 3  
 WIND DIR 10 SPD 20 CLOUD TYPE 6- 8 AMOUNT 3  
 AIR TEMP 18.2 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.56	36.21	26.33	170.8	0	0
10	17.56	36.22	26.34	170.5	.017	.009
20	17.55	36.23	26.35	169.8	.034	.034
30	17.54	36.24	26.36	169.2	.051	.076
40	17.50	36.24	26.37	168.6	.068	.135
50	17.43	36.23	26.38	168.1	.085	.211
60	17.19	36.23	26.46	160.8	.101	.302
70	16.82	36.26	26.55	152.6	.117	.403
80	16.33	36.20	26.62	146.3	.132	.514
86	16.27	36.18	26.62	146.6	.140	.588

CAST NO 82J LAT 21 43.7 DATE 3/ 9/74 TIME 830  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 8 BAR 11.2 WEATHER 2  
 WIND DIR 50 SPD 18 CLOUD TYPE 0- 7 AMOUNT 3  
 AIR TEMP 17.8 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.73	36.23	26.31	173.3	0	0
10	17.68	36.26	26.34	170.3	.017	.009
20	17.69	36.27	26.34	170.3	.034	.034
30	17.62	36.30	26.39	166.7	.051	.077
40	16.82	36.19	26.50	156.7	.067	.132
50	16.58	36.22	26.58	149.2	.082	.201
60	16.39	36.21	26.61	146.1	.097	.282
70	16.19	36.16	26.62	145.7	.112	.377
80	15.92	36.12	26.65	143.0	.126	.485
90	15.43	36.02	26.69	140.0	.140	.605
91	15.42	36.02	26.69	139.8	.142	.618

CAST NO 83J LAT 21 43.7 DATE 3/ 9/74 TIME 930  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 8 BAR 11.8 WEATHER 2  
 WIND DIR 40 SPD 20 CLOUD TYPE 0- 7 AMOUNT 3  
 AIR TEMP 17.9 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.74	36.22	26.30	174.3	0	0
10	17.71	36.26	26.33	171.0	.017	.009
20	17.68	36.27	26.35	170.0	.034	.034
30	17.68	36.28	26.36	169.6	.051	.076
40	17.48	36.27	26.40	166.1	.068	.135
50	17.19	36.25	26.45	161.1	.084	.209
60	16.76	36.20	26.52	155.3	.100	.297
70	16.47	36.20	26.59	149.1	.116	.396
80	16.19	36.17	26.63	145.1	.130	.506
90	15.58	36.05	26.68	141.0	.145	.628
91	15.57	36.05	26.68	140.8	.146	.641

CAST NO 86J LAT 21 43.7 DATE 3/ 9/74 TIME 1234  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 330 HT 8 PER 7 BAR 11.8 WEATHER 3  
 WIND DIR 40 SPD 22 CLOUD TYPE 2- 0 AMOUNT 3  
 AIR TEMP 18.5 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.66	36.27	26.35	168.8	0	0
10	17.65	36.27	26.36	168.9	.017	.008
20	17.69	36.30	26.37	168.0	.034	.034
30	17.10	36.17	26.41	164.2	.050	.075
40	16.62	36.09	26.47	159.4	.066	.131
50	16.56	36.21	26.57	149.7	.082	.200
60	16.36	36.20	26.61	146.3	.096	.281
70	16.05	36.14	26.64	144.1	.111	.375
80	15.76	36.09	26.67	141.7	.125	.482
90	15.52	36.04	26.68	140.5	.139	.602
90	15.52	36.04	26.69	140.5	.139	.602

CAST NO 84J LAT 21 43.7 DATE 3/ 9/74 TIME 1030  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 0 HT 0 PER 0 BAR 0 WEATHER 0  
 WIND DIR 0 SPD 0 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.63	36.25	26.35	169.6	0	0
10	17.50	36.25	26.35	169.2	.017	.008
20	17.59	36.27	26.37	167.9	.034	.034
30	17.51	36.30	26.39	166.5	.051	.076
40	16.76	36.16	26.49	157.5	.067	.132
50	16.66	36.16	26.51	155.3	.082	.203
60	16.54	36.23	26.59	148.1	.098	.286
70	16.31	36.21	26.63	144.8	.112	.381
80	16.09	36.19	26.67	141.7	.126	.488
90	15.55	36.09	26.71	137.5	.140	.607
90	15.55	36.09	26.72	137.5	.140	.607

CAST NO 87J LAT 21 43.7 DATE 3/ 9/74 TIME 1334  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 330 HT 8 PER 7 BAR 11.5 WEATHER 3  
 WIND DIR 30 SPD 22 CLOUD TYPE 0- 2 AMOUNT 4  
 AIR TEMP 18.1 WET BULB 16.1

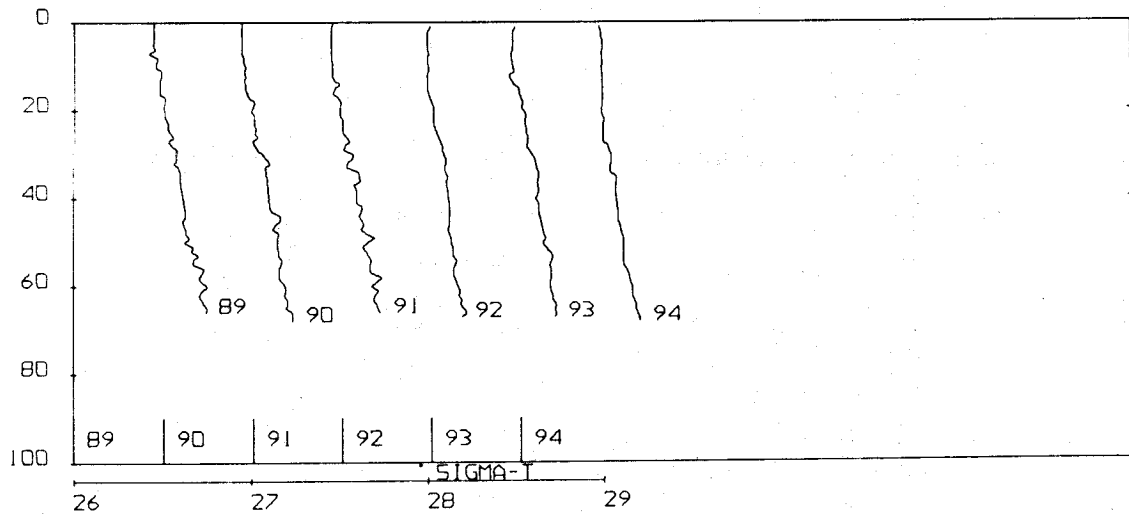
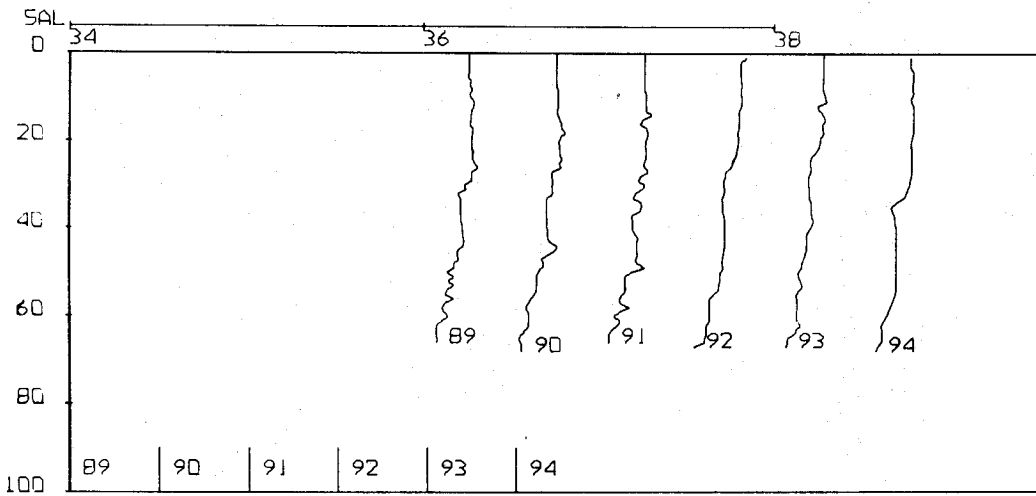
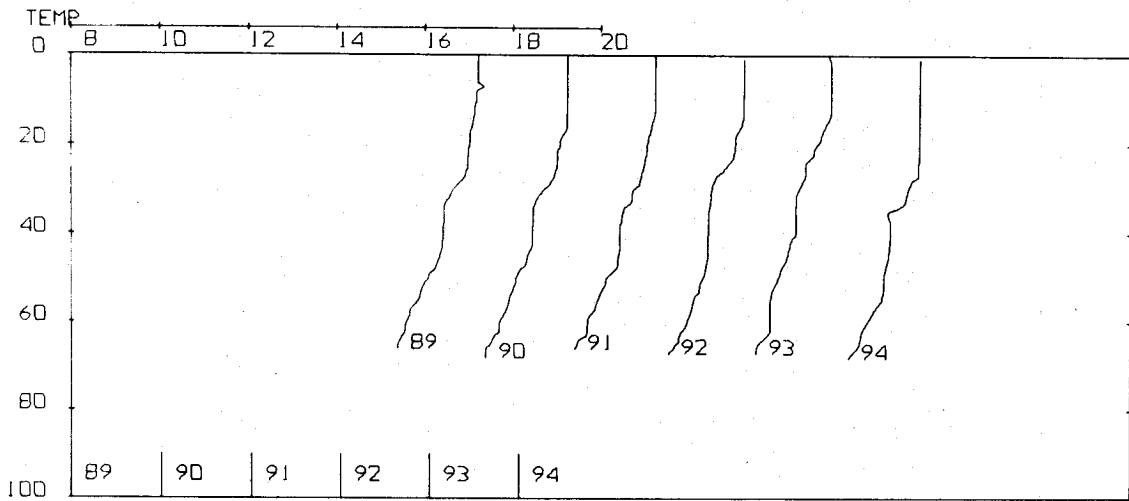
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.65	36.20	26.30	173.7	0	0
10	17.62	36.23	26.33	171.1	.017	.009
20	17.53	36.23	26.35	169.5	.034	.034
30	17.53	36.27	26.39	166.8	.051	.076
40	16.80	36.12	26.45	161.3	.067	.133
50	16.48	36.14	26.54	153.0	.083	.204
60	16.51	36.20	26.58	149.6	.098	.287
70	16.44	36.22	26.61	146.9	.113	.383
80	16.17	36.17	26.63	144.9	.128	.492
90	15.66	36.06	26.67	141.7	.142	.614
91	15.65	36.07	26.68	141.1	.143	.627

CAST NO 85J LAT 21 43.7 DATE 3/ 9/74 TIME 1130  
 STATION LONG 17 25.1 DPTH 97 PROBE OSU3  
 SWELL DIR 10 HT 9 PER 8 BAR 12.2 WEATHER 1  
 WIND DIR 50 SPD 22 CLOUD TYPE 0- 4 AMOUNT 2  
 AIR TEMP 17.4 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.66	36.21	26.31	173.2	0	0
2	17.66	36.21	26.31	173.2	.003	.000
10	17.65	36.21	26.31	173.3	.017	.009
20	17.63	36.21	26.31	173.2	.035	.035
30	17.66	36.25	26.34	171.3	.052	.077
40	16.89	36.11	26.42	164.1	.068	.136
50	16.51	36.01	26.43	163.1	.085	.210
60	16.70	36.17	26.51	156.1	.101	.297
70	16.54	36.19	26.56	151.4	.116	.397
80	16.24	36.16	26.61	147.2	.131	.509
90	15.83	36.10	26.66	142.9	.146	.632
96	15.52	36.06	26.70	139.2	.154	.710

CAST NO 88J LAT 21 43.0 DATE 3/ 9/74 TIME 1431  
 STATION LONG 17 25.0 DPTH 97 PROBE OSU3  
 SWELL DIR 350 HT 7 PER 7 BAR 11.2 WEATHER 3  
 WIND DIR 20 SPD 22 CLOUD TYPE 0- 2 AMOUNT 5  
 AIR TEMP 18.9 WET BULB 15.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.72	36.25	26.32	171.7	0	0
10	17.70	36.25	26.33	171.5	.017	.009
20	17.64	36.22	26.32	172.7	.034	.034
30	16.61	36.07	26.45	160.3	.050	.075
40	16.54	36.09	26.48	157.6	.066	.130
50	16.45	36.10	26.51	155.2	.082	.201
60	16.55	36.20	26.57	150.5	.097	.285
70	16.08	36.19	26.67	141.1	.112	.379
80	15.71	36.09	26.68	140.6	.126	.485
90	15.52	36.03	26.67	141.2	.140	.605
92	15.50	36.04	26.69	140.1	.143	.630



CAST NO 89J LAT 21 40.0 DATE 3/ 9/74 TIME 1630  
 STATION LONG 17 18.0 DPTH 69 PROBE OSU3  
 SWELL DIR 340 HT 6 PER 7 BAR 9.8 WEATHER 3  
 WIND DIR 0 SPD 21 CLOUD TYPE 2- 7 AMOUNT 6  
 AIR TEMP 17.9 WET BULB 15.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.20	36.26	26.46	159.9	0	0
10	17.16	36.27	26.48	157.6	.016	.008
20	16.98	36.27	26.52	153.8	.031	.031
30	16.59	36.24	26.59	147.5	.047	.069
40	16.38	36.21	26.62	145.3	.061	.120
50	16.04	36.15	26.65	142.5	.076	.185
60	15.52	36.10	26.73	135.1	.089	.261
66	15.34	36.07	26.75	133.6	.097	.311

CAST NO 90J LAT 21 40.0 DATE 3/ 9/74 TIME 1700  
 STATION LONG 17 18.0 DPTH 69 PROBE OSU3  
 SWELL DIR 350 HT 7 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 20 SPD 20 CLOUD TYPE 2- 7 AMOUNT 6  
 AIR TEMP 18.4 WET BULB 17.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.19	36.25	26.45	159.4	0	0
10	17.19	36.26	26.46	159.0	.016	.008
20	17.04	36.27	26.50	155.2	.032	.032
30	16.83	36.21	26.56	150.6	.047	.070
40	16.38	36.20	26.61	146.1	.062	.121
50	16.11	36.15	26.65	141.4	.076	.186
60	15.62	36.09	26.70	138.0	.090	.263
68	15.32	36.05	26.73	134.7	.101	.333

CAST NO 91J LAT 21 40.0 DATE 3/ 9/74 TIME 1730  
 STATION LONG 17 18.0 DPTH 69 PROBE OSU3  
 SWELL DIR 0 HT 6 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 20 SPD 22 CLOUD TYPE 2- 7 AMOUNT 6  
 AIR TEMP 18.8 WET BULB 15.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.18	36.25	26.46	159.2	0	0
10	17.19	36.26	26.46	159.0	.016	.008
20	16.99	36.26	26.51	154.8	.032	.032
30	16.65	36.22	26.56	150.5	.047	.070
40	16.35	36.18	26.60	146.9	.062	.122
50	16.05	36.17	26.66	141.3	.076	.187
60	15.62	36.09	26.70	138.0	.090	.264
66	15.32	36.04	26.73	135.4	.099	.315

CAST NO 92D LAT 21 40.0 DATE 3/ 9/74 TIME 1802  
 STATION LONG 17 18.0 DPTH 69 PROBE OSU1  
 SWELL DIR 0 HT 6 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 20 SPD 22 CLOUD TYPE 2- 7 AMOUNT 6  
 AIR TEMP 18.7 WET BULB 15.7

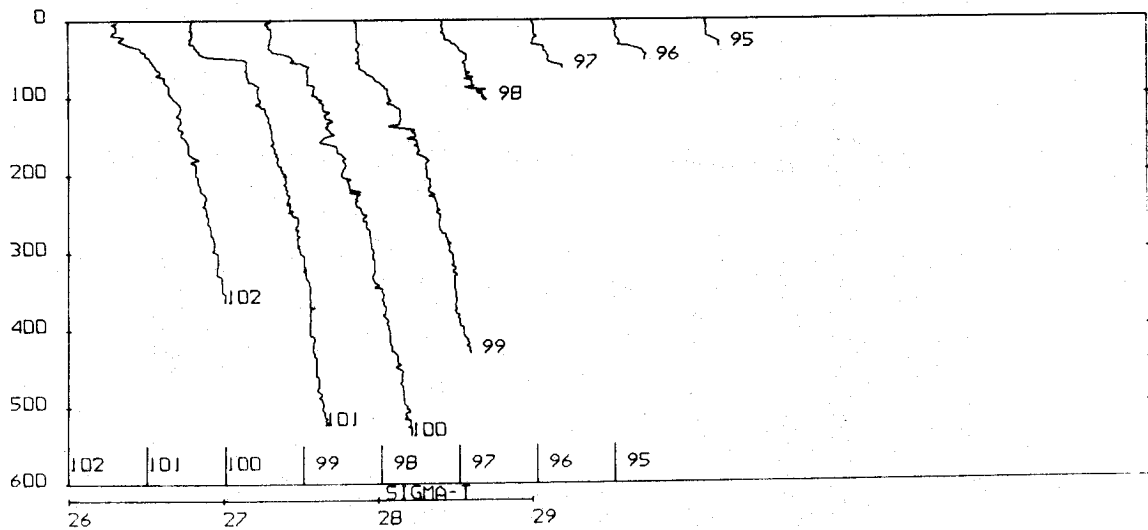
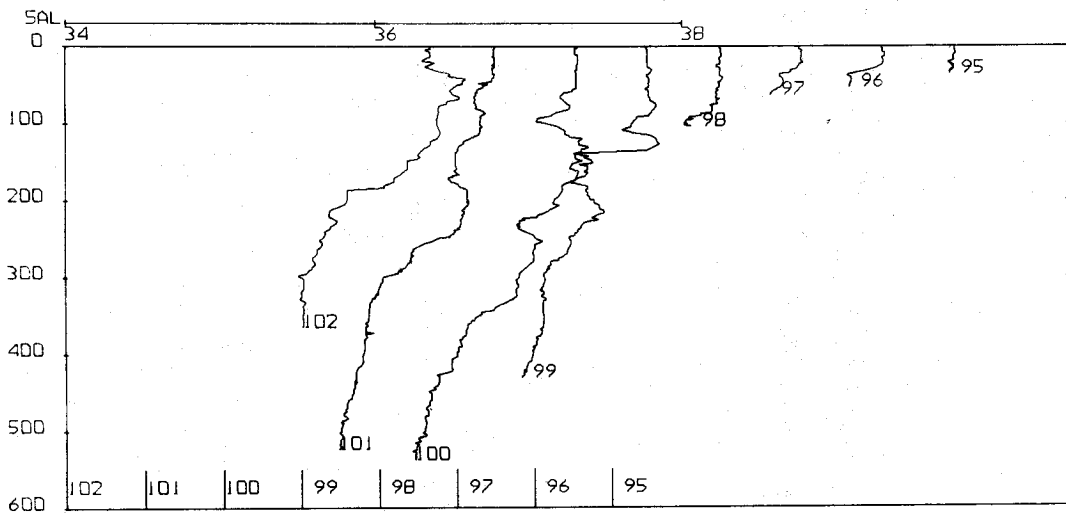
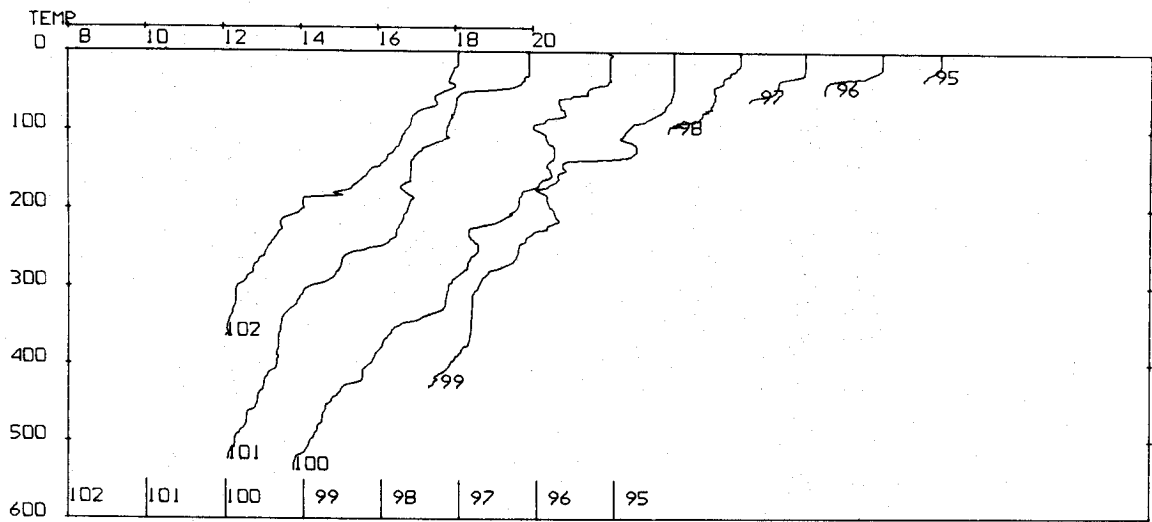
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.18	36.32	26.51	154.1	0	0
1	17.18	36.32	26.51	154.1	.002	.000
10	17.16	36.30	26.50	155.4	.016	.008
20	16.97	36.28	26.53	152.9	.031	.031
30	16.43	36.19	26.59	147.7	.046	.068
40	16.34	36.20	26.62	145.3	.061	.120
50	16.21	36.18	26.63	144.1	.075	.185
60	15.84	36.10	26.66	142.0	.090	.264
67	15.44	36.02	26.68	139.5	.099	.326

CAST NO 93D LAT 21 40.0 DATE 3/ 9/74 TIME 1830  
 STATION LONG 17 18.0 DPTH 69 PROBE OSU1  
 SWELL DIR 0 HT 6 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 20 SPD 22 CLOUD TYPE 6- 7 AMOUNT 6  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.09	36.26	26.48	156.4	0	0
10	17.16	36.26	26.47	158.3	.016	.008
20	16.90	36.23	26.53	152.4	.031	.031
30	16.40	36.19	26.60	146.8	.046	.069
40	16.34	36.19	26.61	145.9	.061	.120
50	15.92	36.12	26.65	142.1	.075	.184
60	15.73	36.11	26.69	139.1	.089	.261
67	15.42	36.04	26.70	137.6	.099	.322

CAST NO 94D LAT 21 40.0 DATE 3/ 9/74 TIME 1902  
 STATION LONG 17 18.0 DPTH 69 PROBE OSU1  
 SWELL DIR 0 HT 7 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 0 SPD 16 CLOUD TYPE 2- 6 AMOUNT 6  
 AIR TEMP 17.9 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.14	36.25	26.46	158.2	0	0
1	17.14	36.25	26.46	158.3	.002	.000
10	17.14	36.26	26.47	157.9	.016	.008
20	17.12	36.27	26.48	157.0	.032	.032
30	16.85	36.23	26.52	154.1	.047	.071
40	16.49	36.17	26.56	150.7	.062	.124
50	16.31	36.17	26.60	147.0	.077	.191
60	15.91	36.10	26.64	143.6	.092	.271
68	15.50	36.05	26.69	138.6	.103	.343





CAST NO 950 LAT 21 40.0 DATE 3/ 9/74 TIME 2116  
 STATION L 1 LONG 17 6.0 DPTH 37 PROBE CSU1  
 SWELL DIR 10 HT 7 PER 7 BAR 10.5 WEATHER 1  
 WIND DIR 20 SPD 20 CLOUD TYPE 4- 0 AMOUNT 2  
 AIR TEMP 17.4 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.53	36.25	26.61	144.5	0	0
1	16.53	36.25	26.61	144.5	.001	.000
10	16.53	36.25	26.61	144.8	.014	.007
20	16.43	36.24	26.63	143.6	.029	.029
30	16.14	36.24	26.65	137.5	.043	.064
36	16.07	36.22	26.69	137.6	.051	.091

CAST NO 940 LAT 21 47.0 DATE 3/10/74 TIME 0027  
 STATION L 4 LONG 17 24.0 DPTH 102 PROBE CSU1  
 SWELL DIR 10 HT 7 PER 7 BAR 12.2 WEATHER 2  
 WIND DIR 20 SPD 21 CLOUD TYPE 0- 0 AMOUNT 2  
 AIR TEMP 17.8 WET BULB 15.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.33	36.23	26.40	164.1	0	0
1	17.33	36.23	26.40	164.1	.002	.000
10	17.33	36.23	26.40	164.4	.016	.008
20	17.24	36.23	26.42	162.8	.033	.033
30	17.06	36.23	26.47	158.9	.049	.073
40	16.88	36.23	26.51	155.1	.064	.127
50	16.65	36.23	26.57	150.3	.080	.195
60	16.66	36.21	26.55	152.3	.095	.279
70	16.57	36.21	26.57	150.5	.110	.377
80	16.34	36.18	26.60	147.9	.125	.489
90	15.66	36.04	26.65	143.5	.140	.615
100	15.43	36.01	26.68	141.0	.154	.751
103	15.42	36.04	26.70	138.7	.158	.793

CAST NO 960 LAT 21 40.0 DATE 3/ 9/74 TIME 2218  
 STATION L 2 LONG 17 12.0 DPTH 57 PROBE OSU1  
 SWELL DIR 10 HT 7 PER 7 BAR 10.8 WEATHER 1  
 WIND DIR 20 SPD 20 CLOUD TYPE 4- 0 AMOUNT 1  
 AIR TEMP 17.5 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.01	36.28	26.52	153.1	0	0
2	17.01	36.28	26.52	153.2	.003	.000
10	17.01	36.30	26.53	152.0	.015	.008
20	16.99	36.29	26.53	152.6	.030	.030
30	16.64	36.26	26.59	147.3	.045	.068
40	15.54	36.08	26.71	136.4	.060	.118
50	15.49	36.07	26.71	136.4	.073	.179
53	15.48	36.07	26.71	136.2	.077	.200

CAST NO 990 LAT 21 49.0 DATE 3/10/74 TIME 0150  
 STATION L 5 LONG 17 30.0 DPTH 512 PROBE CSU1  
 SWELL DIR 0 HT 7 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 30 SPD 26 CLOUD TYPE 2- 6 AMOUNT 2  
 AIR TEMP 17.5 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.61	36.25	26.35	169.1	0	0
1	17.61	36.25	26.35	169.1	.002	.000
10	17.61	36.26	26.36	168.7	.017	.008
20	17.61	36.26	26.36	169.1	.034	.034
30	17.61	36.28	26.37	167.9	.051	.076
40	17.61	36.27	26.37	169.1	.067	.135
50	17.60	36.27	26.37	169.4	.084	.211
60	17.55	36.27	26.38	168.3	.101	.304
70	17.40	36.29	26.43	163.6	.118	.412
80	17.18	36.30	26.50	158.0	.134	.533
90	16.81	36.23	26.53	155.2	.150	.665
100	16.40	36.15	26.56	152.1	.165	.810
110	16.22	36.15	26.61	148.4	.180	.968
120	16.63	36.33	26.64	145.3	.195	1.137
130	16.56	36.33	26.66	143.7	.209	1.318
140	14.81	35.85	26.69	140.8	.224	1.513
150	14.79	35.85	26.70	140.7	.237	1.716
160	14.60	35.86	26.75	136.3	.251	1.928
170	14.39	35.79	26.74	137.0	.265	2.153
180	14.20	35.83	26.81	130.7	.278	2.388
190	14.33	35.86	26.81	131.5	.291	2.630
200	14.46	35.91	26.82	130.6	.304	2.886
225	14.32	35.92	26.85	127.9	.337	3.576
250	13.57	35.76	26.89	125.0	.368	4.324
300	12.52	35.58	26.96	119.0	.430	6.005
400	11.78	35.50	27.04	113.4	.546	10.089
430	11.25	35.43	27.09	109.4	.580	11.468

CAST NO 970 LAT 21 40.0 DATE 3/ 9/74 TIME 2323  
 STATION L 3 LONG 17 18.0 DPTH 66 PROBE OSU1  
 SWELL DIR 20 HT 8 PER 7 BAR 12.2 WEATHER 3  
 WIND DIR 30 SPD 24 CLOUD TYPE 3- 0 AMOUNT 2  
 AIR TEMP 17.4 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.01	36.24	26.49	156.0	0	0
2	17.01	36.24	26.49	156.1	.003	.000
10	17.01	36.25	26.50	155.6	.016	.008
20	17.00	36.25	26.50	155.7	.031	.031
30	16.90	36.22	26.50	155.5	.047	.070
40	16.28	36.13	26.58	148.9	.062	.123
50	16.21	36.13	26.59	147.8	.077	.190
60	15.55	36.06	26.69	138.9	.091	.269
63	15.51	36.05	26.69	138.7	.095	.295

CAST NO1011 LAT 21 44.0 DATE 3/10/74 TIME 0326  
 STATION L 6 LONG 17 36.0 DPTH 933 PROBE OSU1  
 SWELL DIR 340 HT 8 PER 7 BAR 11.2 WEATHER 3  
 WIND DIR 30 SPD 26 CLOUD TYPE 0- 7 AMOUNT 5  
 AIR TEMP 17.8 WET BULB 15.9

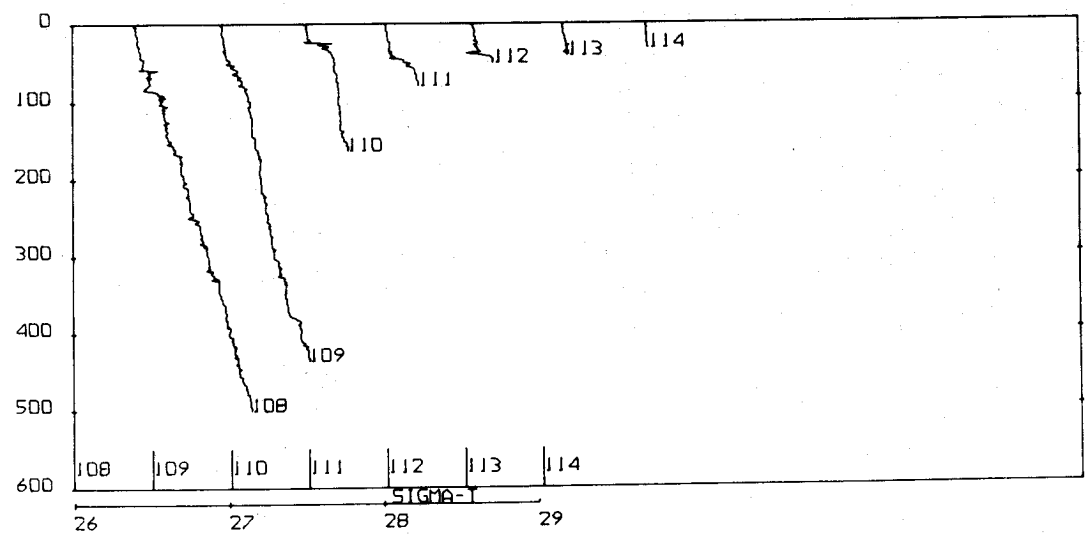
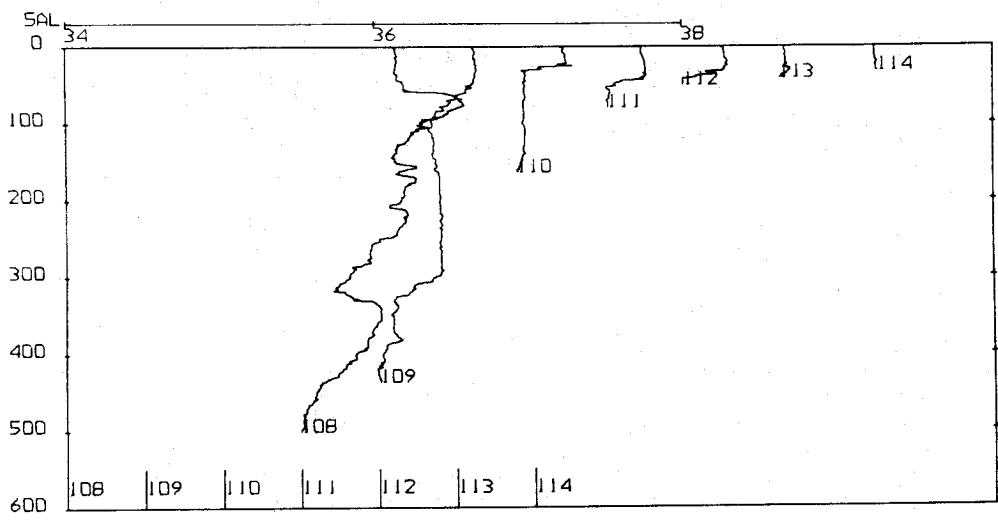
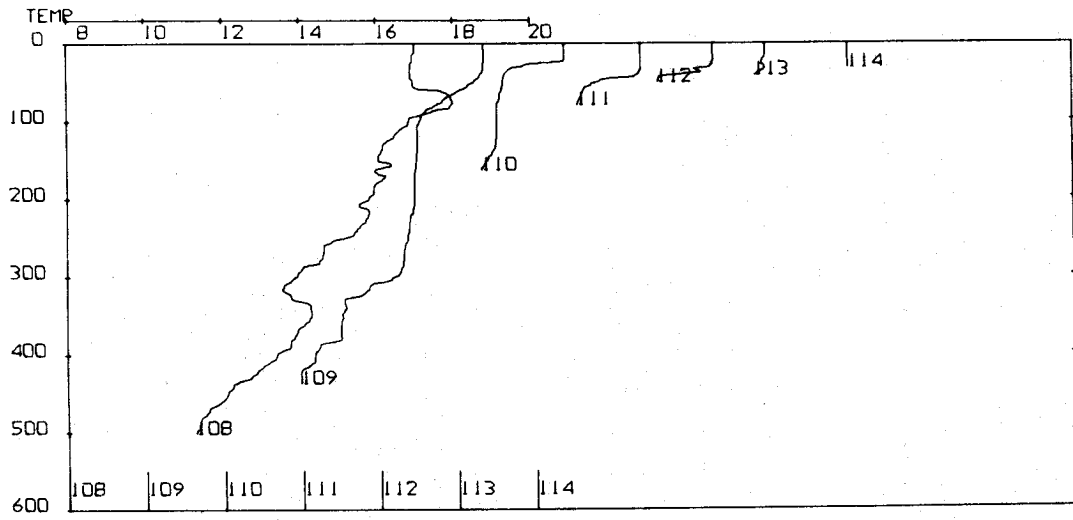
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.97	36.29	26.29	174.6	0	0
1	17.97	36.29	26.29	174.6	.002	.000
10	17.98	36.29	26.29	175.2	.018	.009
20	17.98	36.31	26.31	174.0	.035	.035
30	17.98	36.31	26.31	174.4	.052	.078
40	17.92	36.30	26.31	174.2	.070	.140
50	17.39	36.30	26.44	162.0	.087	.215
60	16.63	36.21	26.56	151.6	.103	.302
70	16.69	36.21	26.54	153.3	.118	.401
80	16.82	36.25	26.54	153.7	.133	.516
90	16.27	36.08	26.54	154.0	.148	.645
100	16.08	36.08	26.58	150.2	.163	.788
110	16.32	36.23	26.64	144.8	.178	.942
120	16.51	36.30	26.66	144.1	.192	1.108
130	16.53	36.31	26.66	144.4	.207	1.289
140	16.40	36.30	26.68	142.6	.221	1.482
150	16.41	36.29	26.67	143.8	.235	1.687
160	16.42	36.28	26.66	145.1	.250	1.913
170	16.11	36.30	26.75	137.1	.264	2.143
180	15.89	36.20	26.77	135.0	.277	2.381
190	15.59	36.19	26.78	134.2	.291	2.630
200	15.54	36.18	26.78	134.3	.304	2.891
225	14.33	35.94	26.87	126.7	.337	3.591
250	14.55	36.04	26.90	124.7	.369	4.347
300	13.77	35.91	26.96	119.6	.429	6.007
400	11.70	35.50	27.06	112.0	.545	10.031
500	10.17	35.31	27.19	100.5	.651	14.785
537	9.76	35.24	27.21	99.4	.687	16.700

CAST NO1020 LAT 21 40.5 DATE 3/10/74 TIME 0910  
 STATION L 8 LONG 17 57.0 DPTH 1175 PROBE OSU1  
 SWELL DIR 20 HT 9 PER 6 BAR 13.6 WEATHER 1  
 WIND DIR 50 SPD 22 CLOUD TYPE 7- 0 AMOUNT 1  
 AIR TEMP 18.5 WET BULB 15.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.08	36.36	26.32	172.1	0	0
3	18.08	36.36	26.32	172.2	.005	.001
10	18.08	36.36	26.32	172.5	.017	.009
20	18.01	36.34	26.32	172.4	.035	.035
30	17.90	36.41	26.40	165.6	.052	.077
40	17.99	36.50	26.47	159.2	.068	.133
50	17.75	36.50	26.51	155.6	.084	.205
60	17.49	36.51	26.58	149.5	.099	.288
70	17.44	36.53	26.61	147.1	.114	.385
80	16.94	36.41	26.64	144.7	.128	.495
90	16.84	36.40	26.65	143.6	.143	.617
100	16.71	36.42	26.70	139.5	.157	.752
110	16.59	36.42	26.73	137.1	.171	.897
120	16.52	36.40	26.73	137.0	.184	1.055
130	16.30	36.32	26.72	138.6	.198	1.227
140	16.14	36.29	26.73	137.4	.212	1.414
150	15.79	36.23	26.76	134.6	.226	1.612
160	15.60	36.17	26.76	134.9	.239	1.821
170	15.35	36.13	26.79	132.7	.253	2.042
180	14.82	36.08	26.87	125.4	.266	2.272
190	14.04	35.81	26.83	129.2	.279	2.521
200	14.04	35.81	26.83	129.8	.292	2.773
225	13.50	35.69	26.85	128.0	.324	3.457
250	13.13	35.65	26.90	124.2	.356	4.200
300	12.33	35.53	26.96	118.9	.416	5.873
364	12.03	35.52	27.01	115.6	.491	8.361

CAST NO1010 LAT 21 46.0 DATE 3/10/74 TIME 0503  
 STATION L 7 LONG 17 43.3 DPTH 1004 PROBE OSU1  
 SWELL DIR 340 HT 8 PER 8 BAR 10.5 WEATHER 1  
 WIND DIR 40 SPD 28 CLOUD TYPE 0- 8 AMOUNT 3  
 AIR TEMP 17.6 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.89	36.27	26.30	174.2	0	0
10	17.90	36.26	26.29	175.5	.017	.009
20	17.90	36.26	26.29	175.9	.035	.035
30	17.90	36.26	26.29	176.2	.053	.079
40	17.70	36.26	26.34	171.8	.070	.140
50	16.64	36.19	26.54	152.9	.087	.215
60	16.03	36.15	26.65	142.6	.101	.294
70	15.97	36.14	26.66	142.3	.115	.386
80	15.90	36.16	26.69	139.7	.129	.493
90	15.81	36.19	26.73	135.9	.143	.609
100	15.75	36.18	26.74	135.7	.157	.738
110	15.76	36.17	26.73	136.9	.170	.882
120	15.28	36.09	26.77	132.9	.184	1.036
130	14.39	36.03	26.80	130.7	.197	1.200
140	14.83	36.01	26.81	129.6	.210	1.375
150	14.82	36.01	26.82	129.6	.223	1.563
160	14.90	36.00	26.81	130.2	.236	1.763
170	14.59	35.97	26.83	129.3	.249	1.977
180	14.73	36.04	26.85	126.8	.261	2.200
190	14.81	36.09	26.88	124.7	.274	2.434
200	14.73	36.08	26.89	124.1	.287	2.676
225	14.44	36.05	26.92	121.9	.317	3.331
250	13.73	35.90	26.96	118.0	.348	4.051
300	12.17	35.54	27.00	115.0	.406	5.659
400	11.33	35.41	27.06	111.6	.517	9.550
500	10.23	35.26	27.14	105.2	.626	14.412
573	10.06	35.25	27.16	103.5	.649	15.634



CAST NO108J LAT 21 19.9 DATE 3/12/74 TIME 1706  
 STATION H 4 LONG 17 57.2 DPTH 1135 PROBE OSU3  
 SWELL DIR 0 HT 10 PER 10 BAR 11.7 WEATHER 3  
 WIND DIR 10 SPD 25 CLOUD TYPE 0-0 AMOUNT 2  
 AIR TEMP 18.5 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.02	36.13	26.40	164.2	0	0
10	17.01	36.14	26.41	163.6	.016	.008
20	16.96	36.14	26.42	162.9	.033	.033
30	16.90	36.13	26.43	162.5	.049	.073
40	16.88	36.14	26.44	161.8	.065	.130
50	16.97	36.19	26.46	160.4	.081	.202
60	17.59	36.36	26.44	162.7	.097	.291
70	17.97	36.55	26.49	158.2	.113	.393
80	17.95	36.58	26.52	155.9	.129	.511
90	17.31	36.43	26.56	151.9	.144	.642
100	16.85	36.29	26.56	152.1	.159	.786
110	16.64	36.25	26.58	150.6	.174	.944
120	16.47	36.22	26.60	149.2	.189	1.117
130	16.18	36.14	26.61	149.0	.204	1.302
140	16.11	36.12	26.61	149.1	.219	1.504
150	16.07	36.13	26.63	147.8	.234	1.719
160	16.17	36.25	26.69	141.7	.249	1.944
170	16.26	36.25	26.67	144.0	.263	2.182
180	16.02	36.21	26.69	142.2	.277	2.431
190	15.95	36.19	26.70	142.1	.291	2.694
200	15.80	36.17	26.72	140.7	.306	2.969
225	15.76	36.19	26.74	139.0	.340	3.709
250	15.21	36.08	26.78	135.8	.375	4.525
300	13.90	35.83	26.87	128.0	.440	6.328
400	13.40	35.87	27.01	117.8	.563	10.612
500	11.28	35.51	27.15	105.7	.674	15.613
501	11.28	35.51	27.15	105.8	.675	15.666

CAST NO110J LAT 21 20.0 DATE 3/11/74 TIME 7  
 STATION H 5 LONG 17 30.0 DPTH 173 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 12.5 WEATHER 5  
 WIND DIR 20 SPD 24 CLOUD TYPE 0-0 AMOUNT 2  
 AIR TEMP 17.5 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.86	36.20	26.49	155.5	0	0
10	16.86	36.23	26.52	153.7	.015	.008
20	16.85	36.23	26.52	151.8	.031	.031
30	15.69	36.02	26.63	143.7	.046	.068
40	15.24	35.96	26.67	139.7	.060	.117
50	15.23	35.96	26.69	138.8	.074	.180
60	15.20	35.96	26.69	138.6	.087	.256
70	15.15	35.96	26.70	137.7	.101	.345
80	15.09	35.95	26.71	137.5	.115	.449
90	15.03	35.96	26.72	137.1	.129	.565
100	15.09	35.96	26.72	137.4	.143	.696
110	15.08	35.97	26.73	136.8	.156	.840
120	15.07	35.96	26.72	137.6	.170	.998
130	15.06	35.96	26.72	137.7	.184	1.169
140	14.98	35.96	26.74	136.3	.197	1.355
150	14.86	35.94	26.75	135.5	.211	1.552
160	14.69	35.92	26.77	133.7	.224	1.761
163	14.69	35.91	26.77	134.5	.228	1.826

CAST NO111J LAT 21 20.0 DATE 3/11/74 TIME 144  
 STATION H 4 LONG 17 24.0 DPTH 86 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 7 BAR 11.8 WEATHER 5  
 WIND DIR 20 SPD 26 CLOUD TYPE 0-0 AMOUNT 2  
 AIR TEMP 17.3 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.81	36.22	26.52	152.9	0	0
10	16.82	36.23	26.53	152.8	.015	.008
20	16.82	36.24	26.53	152.4	.031	.031
30	16.82	36.25	26.54	152.0	.046	.068
40	16.71	36.24	26.56	150.7	.061	.122
50	15.65	36.01	26.63	143.8	.076	.188
60	15.32	36.01	26.70	137.4	.090	.265
70	15.22	36.00	26.72	136.3	.103	.354
79	15.16	36.00	26.73	135.3	.116	.445

CAST NO109U LAT 21 20.0 DATE 3/10/74 TIME 2210  
 STATION H 7 LONG 17 42.0 DPTH 2215 PROBE OSU3  
 SWELL DIR 20 HT 10 PER 8 BAR 12.2 WEATHER 1  
 WIND DIR 20 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.78	36.13	26.46	158.8	0	0
1	16.78	36.13	26.46	158.8	.002	.000
10	16.79	36.14	26.46	158.6	.016	.008
20	16.77	36.14	26.47	158.6	.032	.032
30	16.76	36.15	26.48	157.9	.047	.071
40	16.69	36.14	26.49	157.4	.063	.126
50	16.52	36.12	26.51	155.3	.079	.197
60	16.17	36.06	26.55	152.6	.094	.281
70	15.80	35.98	26.57	150.3	.109	.379
80	15.51	35.92	26.59	148.4	.124	.491
90	15.21	35.98	26.63	145.5	.139	.616
100	15.11	35.86	26.64	145.1	.153	.754
110	15.06	35.85	26.64	145.1	.168	.906
120	15.07	35.87	26.65	144.1	.182	1.072
130	15.06	35.88	26.66	143.5	.197	1.252
140	15.05	35.87	26.66	144.3	.211	1.446
150	15.03	35.89	26.68	142.8	.226	1.655
160	15.02	35.89	26.68	142.8	.240	1.875
170	14.93	35.92	26.71	140.1	.254	2.108
180	14.98	35.91	26.70	141.2	.268	2.354
190	14.98	35.91	26.70	141.5	.282	2.615
200	14.97	35.91	26.71	141.5	.296	2.890
225	14.87	35.92	26.73	139.5	.331	3.636
250	14.79	35.92	26.75	138.6	.366	4.460
300	14.45	35.88	26.80	135.8	.434	6.340
400	12.36	35.54	26.96	121.3	.563	10.835
436	12.00	35.52	27.02	116.9	.606	12.616

CAST NO112J LAT 21 20.0 DATE 3/11/74 TIME 250  
 STATION H 3 LONG 17 18.0 DPTH 58 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 7 BAR 10.5 WEATHER 1  
 WIND DIR 20 SPD 22 CLOUD TYPE 0-0 AMOUNT 1  
 AIR TEMP 17.0 WET BULB 15.0

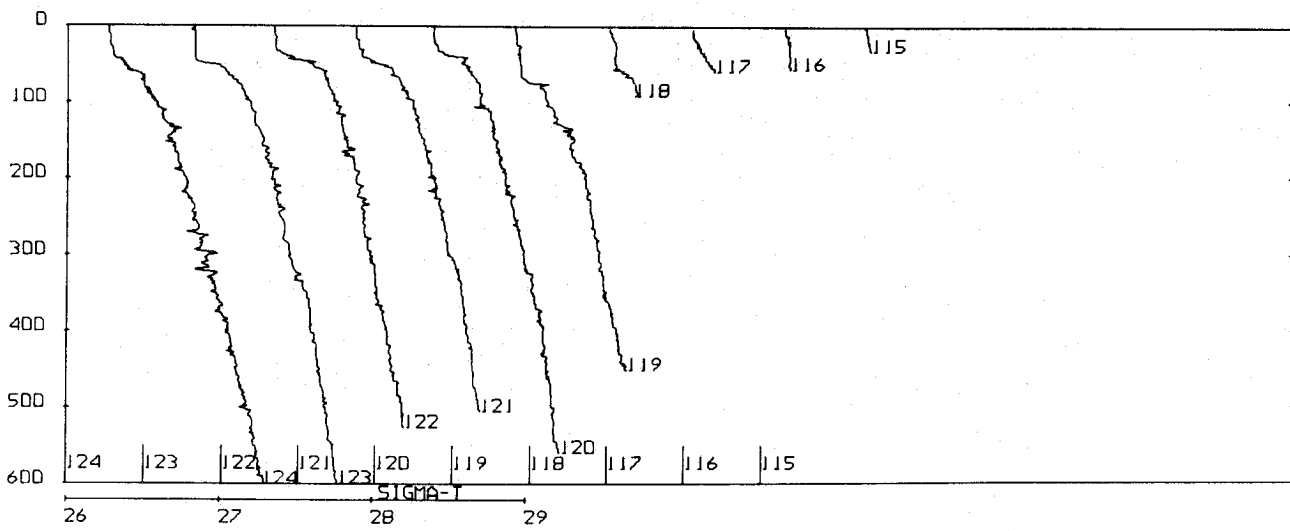
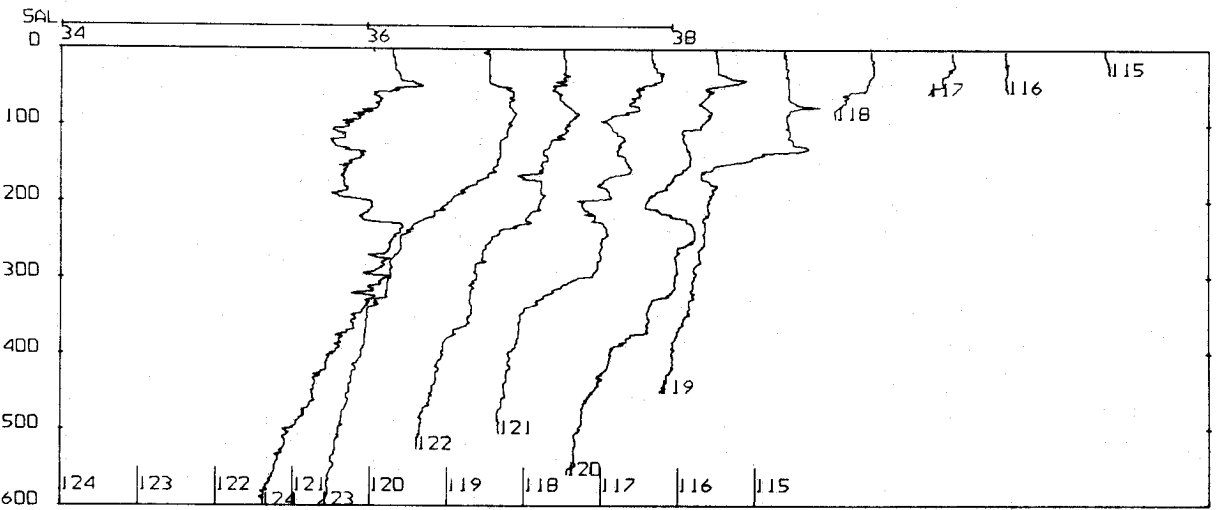
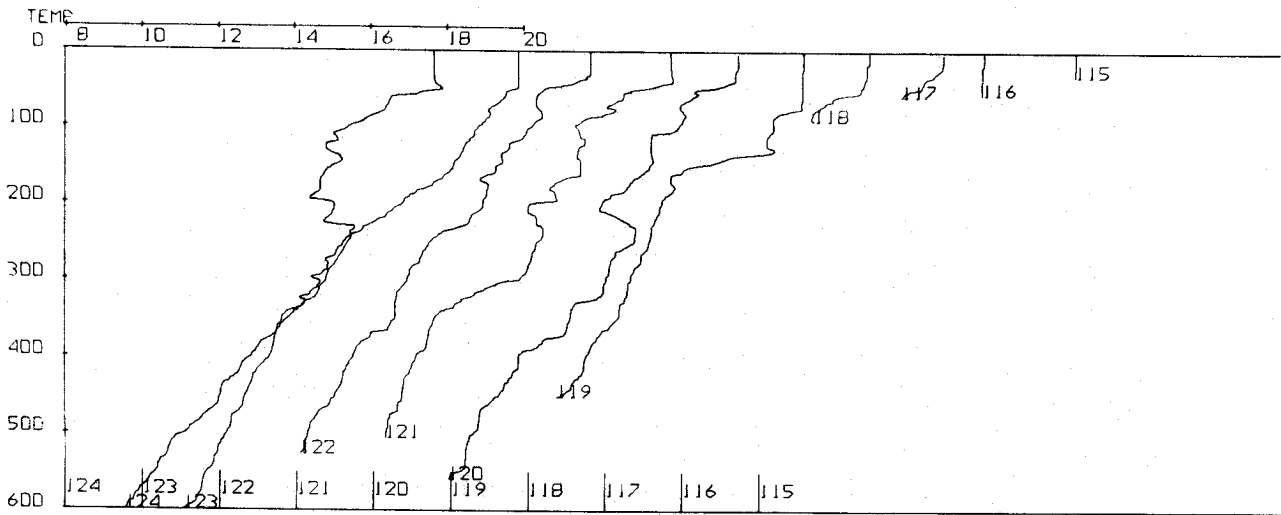
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.67	36.23	26.56	149.0	0	0
10	16.68	36.26	26.58	147.4	.015	.007
20	16.68	36.28	26.60	146.3	.029	.029
30	16.61	36.25	26.59	147.2	.044	.066
40	15.82	36.04	26.61	145.4	.059	.117
50	15.22	35.99	26.71	136.4	.072	.179
50	15.22	35.99	26.72	136.4	.072	.179

CAST NO113U LAT 21 19.9 DATE 3/11/74 TIME 416  
 STATION H 2 LONG 17 11.9 DPTH 47 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 10.8 WEATHER 3  
 WIND DIR 30 SPD 28 CLOUD TYPE 7-0 AMOUNT 2  
 AIR TEMP 16.0 WET BULB 13.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.97	36.14	26.66	140.1	0	0
10	15.99	36.15	26.66	140.1	.014	.007
20	15.95	36.15	26.67	139.6	.028	.028
30	15.96	36.17	26.68	138.6	.042	.063
40	15.72	36.13	26.69	137.7	.056	.111
41	15.72	36.11	26.69	138.1	.057	.117

CAST NO114U LAT 21 20.0 DATE 3/11/74 TIME 547  
 STATION H 1 LONG 17 8.0 DPTH 38 PROBE OSU3  
 SWELL DIR 0 HT 6 PER 7 BAR 11.2 WEATHER 2  
 WIND DIR 30 SPD 26 CLOUD TYPE 7-0 AMOUNT 2  
 AIR TEMP 15.5 WET BULB 13.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.11	36.23	26.69	136.6	0	0
10	16.12	36.23	26.69	137.1	.014	.007
20	16.12	36.24	26.70	136.7	.027	.027
30	16.13	36.24	26.70	137.3	.041	.062
37	16.13	36.25	26.70	136.6	.044	.070



CAST NO116U LAT 21 40.0 DATE 3/11/74 TIME 1105  
 STATION L 1 LONG 17 6.0 DPTH 35 PROBE OSU3  
 SWELL DIR 20 HT 9 PER 8 BAR 13.6 WEATHER 2  
 WIND DIR 40 SPD 22 CLOUD TYPE 7- 0 AMOUNT 2  
 AIR TEMP 17.0 WET BULB 12.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.38	36.31	26.69	136.7	0	0
10	16.36	36.31	26.70	136.6	.014	.007
20	16.35	36.33	26.71	136.3	.027	.027
30	16.34	36.34	26.72	134.6	.041	.061
32	16.34	36.34	26.72	134.7	.043	.069

CAST NO120J LAT 21 40.0 DATE 3/11/74 TIME 1730  
 STATION L 6 LONG 17 36.0 DPTH 0 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 11.2 WEATHER 2  
 WIND DIR 10 SPD 24 CLOUD TYFL 2- 8 AMOUNT 3  
 AIR TEMP 17.7 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.55	36.27	26.38	166.2	0	0
10	17.56	36.28	26.39	166.1	.017	.008
20	17.55	36.28	26.39	166.2	.033	.033
30	17.47	36.28	26.41	164.7	.050	.075
40	17.37	36.39	26.52	154.7	.066	.131
50	16.51	36.21	26.58	149.0	.081	.198
60	16.34	36.21	26.62	145.1	.096	.279
70	16.03	36.19	26.68	140.0	.110	.372
80	16.13	36.19	26.66	142.5	.124	.477
90	16.08	36.22	26.69	139.6	.138	.597
100	15.93	36.17	26.69	140.2	.152	.730
110	15.26	36.05	26.75	134.8	.166	.876
120	15.24	36.05	26.75	134.6	.179	1.031
130	15.25	36.07	26.77	133.7	.193	1.198
140	15.30	36.09	26.77	133.6	.206	1.378
150	15.20	36.09	26.79	131.8	.219	1.571
160	15.02	36.04	26.80	131.6	.233	1.776
170	14.75	35.99	26.82	130.2	.246	1.992
180	14.59	35.94	26.81	130.7	.259	2.220
190	14.18	35.86	26.84	128.4	.272	2.459
200	13.94	35.81	26.85	127.4	.284	2.707
225	14.69	36.07	26.89	124.7	.316	3.380
250	14.77	36.12	26.91	123.5	.347	4.117
300	14.04	36.00	26.98	118.5	.407	5.775
400	11.76	35.57	27.10	107.8	.521	9.737
500	10.55	35.37	27.17	102.8	.627	14.511
559	9.95	35.29	27.21	99.5	.687	17.707

CAST NO116J LAT 21 40.0 DATE 3/11/74 TIME 1209  
 STATION L 2 LONG 17 12.0 DPTH 58 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 13.2 WEATHER 2  
 WIND DIR 20 SPD 20 CLOUD TYPE 2- 4 AMOUNT 2  
 AIR TEMP 17.8 WET BULB 13.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.96	36.16	26.67	138.4	0	0
3	15.96	36.16	26.67	138.5	.004	.001
10	15.95	36.15	26.67	139.2	.014	.007
20	15.90	36.15	26.68	139.5	.028	.028
30	15.90	36.17	26.69	137.7	.041	.062
40	15.88	36.16	26.69	137.9	.055	.110
50	15.89	36.16	26.69	138.5	.069	.173
56	15.89	36.17	26.70	137.9	.077	.216

CAST NO121D LAT 21 43.0 DATE 3/11/74 TIME 1900  
 STATION L 7 LONG 17 42.0 DPTH 970 PROBE OSU3  
 SWELL DIR 10 HT 10 PER 8 BAR 11.2 WEATHER 3  
 WIND DIR 10 SPD 28 CLOUD TYPE 0- 2 AMOUNT 6  
 AIR TEMP 17.5 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.80	36.35	26.38	166.3	0	0
1	17.80	36.35	26.38	166.3	.002	.000
10	17.81	36.35	26.38	166.3	.017	.008
20	17.81	36.36	26.38	166.6	.033	.033
30	17.83	36.38	26.40	165.8	.050	.075
40	17.87	36.41	26.41	164.9	.056	.132
50	16.89	36.30	26.56	150.6	.082	.203
60	16.54	36.26	26.62	145.9	.097	.284
70	16.20	36.22	26.66	141.6	.111	.377
80	16.26	36.24	26.67	141.8	.125	.483
90	15.50	36.07	26.71	137.8	.139	.601
100	15.34	36.06	26.74	135.4	.153	.730
110	15.43	36.12	26.76	133.3	.166	.871
120	15.52	36.18	26.79	131.2	.179	1.024
130	15.34	36.14	26.80	130.5	.193	1.188
140	15.34	36.18	26.82	128.8	.206	1.365
150	15.41	36.18	26.81	129.8	.219	1.553
160	15.43	36.21	26.83	128.3	.232	1.752
170	14.88	36.05	26.83	128.5	.244	1.963
180	14.59	36.01	26.87	125.6	.257	2.185
190	14.75	36.07	26.87	125.6	.270	2.417
200	14.05	35.89	26.89	123.8	.282	2.658
225	14.27	35.97	26.90	123.2	.313	3.312
250	14.24	36.02	26.95	119.7	.343	4.030
300	13.51	35.93	27.03	112.8	.402	5.652
400	11.09	35.41	27.10	107.2	.512	9.486
500	10.32	35.34	27.15	100.9	.615	14.153
505	10.32	35.35	27.20	100.3	.620	14.407

CAST NO119D LAT 21 40.0 DATE 3/11/74 TIME 1429  
 STATION L 4 LONG 17 24.0 DPTH 100 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 7 BAR 11.8 WEATHER 2  
 WIND DIR 20 SPD 24 CLOUD TYPE 0- 0 AMOUNT 5  
 AIR TEMP 18.0 WET BULB 14.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.96	36.28	26.53	152.0	0	0
3	16.96	36.28	26.53	152.1	.005	.001
10	16.95	36.28	26.53	152.1	.015	.008
20	16.88	36.29	26.56	150.1	.030	.030
30	16.87	36.29	26.56	150.2	.045	.068
40	16.81	36.27	26.56	150.6	.060	.120
50	16.71	36.25	26.57	150.2	.075	.188
60	16.93	36.13	26.63	144.1	.090	.270
70	15.76	36.10	26.67	140.7	.104	.362
80	15.43	36.03	26.69	138.9	.118	.467
90	15.47	36.03	26.69	140.1	.132	.584
91	15.48	36.04	26.69	139.6	.134	.597

CAST NO1190 LAT 21 40.0 DATE 3/11/74 TIME 1539  
 STATION L 5 LONG 17 30.0 DPTH 440 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 7 BAR 11.7 WEATHER 1  
 WIND DIR 20 SPD 24 CLOUD TYPE 0-7 AMOUNT 3  
 AIR TEMP 17.7 WET BULB 14.6

CAST NO1233 LAT 21 40.5 DATE 3/12/74 TIME 0  
 STATION LONG 17 57.5 DPTH 1150 PROBE OSU3  
 SWELL DIR 10 HT 8 PER 7 BAR 11.0 WEATHER 3  
 WIND DIR 30 SPD 20 CLOUD TYPE 4-0 AMOUNT 8  
 AIR TEMP 17.8 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.24	36.71	26.41	163.5	0	0
2	17.24	36.21	26.41	163.5	.003	.000
10	17.24	36.21	26.41	163.5	.016	.008
20	17.21	36.22	26.42	162.7	.033	.033
30	17.20	36.22	26.43	162.8	.049	.073
40	17.20	36.23	26.43	162.4	.065	.130
50	17.19	36.23	26.44	162.5	.082	.204
60	17.19	36.23	26.44	162.9	.098	.293
70	17.16	36.26	26.47	160.3	.114	.398
80	16.70	36.25	26.57	150.9	.129	.514
90	16.45	36.22	26.61	147.8	.144	.640
100	16.45	36.23	26.61	147.4	.159	.780
110	16.29	36.24	26.66	143.4	.174	.934
120	16.26	36.25	26.67	142.4	.188	1.098
130	16.45	36.35	26.71	139.7	.202	1.275
140	15.20	36.04	26.75	135.1	.216	1.459
150	14.39	35.84	26.78	132.6	.229	1.652
160	13.92	35.72	26.79	132.4	.242	1.859
170	13.74	35.66	26.78	133.5	.256	2.079
180	13.81	35.74	26.82	129.3	.269	2.309
190	13.60	35.73	26.86	126.1	.282	2.544
200	13.49	35.71	26.87	125.7	.294	2.789
225	13.23	35.68	26.89	124.4	.325	3.451
250	13.15	35.68	26.91	122.5	.356	4.181
300	12.66	35.62	26.97	118.7	.416	5.841
400	11.48	35.46	27.07	110.6	.532	9.873
451	10.76	35.39	27.15	103.9	.587	12.218

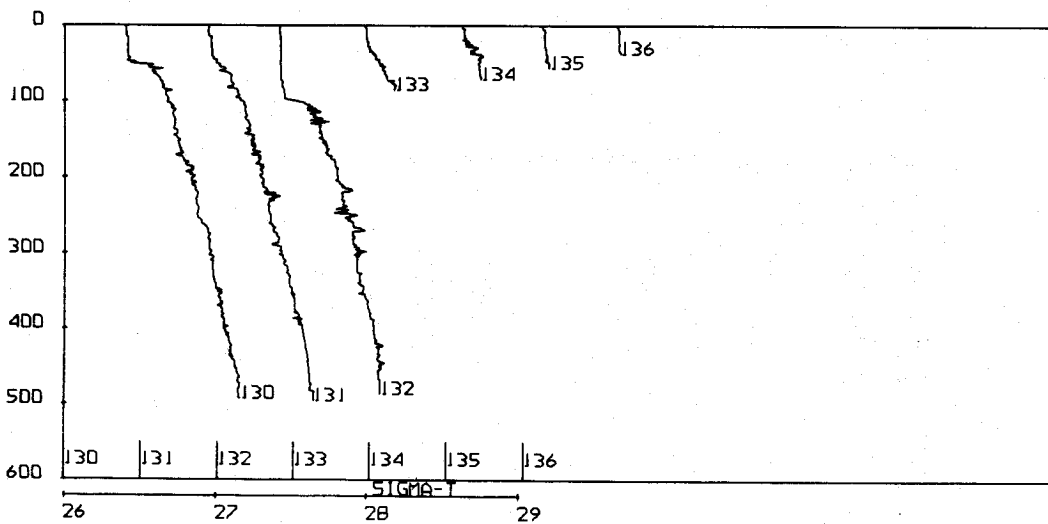
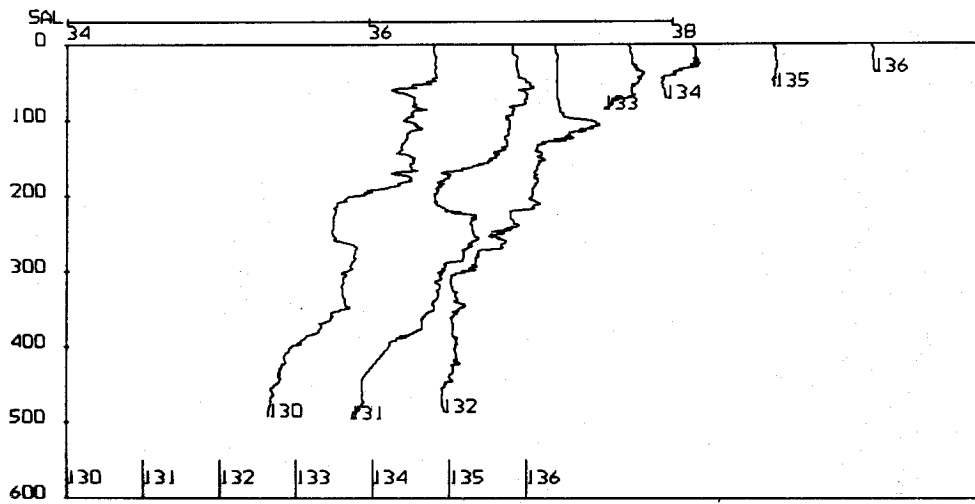
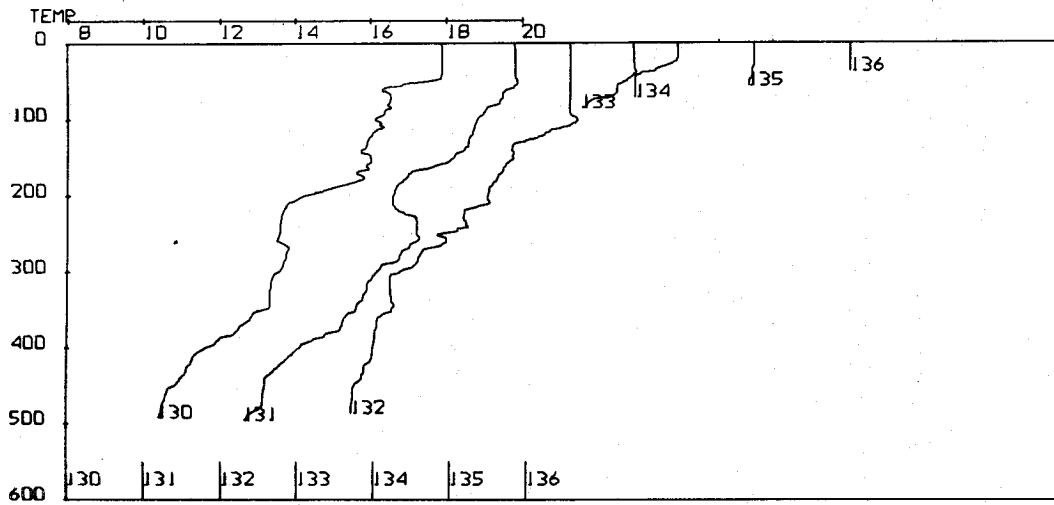
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.83	36.28	26.32	172.0	0	0
10	17.83	36.29	26.33	171.7	.017	.009
20	17.83	36.29	26.33	172.0	.034	.034
30	17.83	36.29	26.33	172.4	.052	.073
40	17.83	36.29	26.33	172.7	.069	.138
50	17.68	36.38	26.43	163.0	.086	.215
60	17.47	36.45	26.54	153.4	.101	.300
70	17.21	36.43	26.59	149.1	.117	.399
80	17.07	36.45	26.63	145.1	.131	.508
90	16.96	36.45	26.66	142.6	.146	.631
100	16.75	36.42	26.69	140.4	.160	.765
110	16.64	36.41	26.71	138.9	.174	.912
120	16.46	36.36	26.71	139.0	.188	1.071
130	16.36	36.36	26.73	136.9	.201	1.243
140	16.24	36.36	26.76	134.6	.215	1.427
150	16.11	36.34	26.78	133.5	.228	1.620
160	15.95	36.31	26.79	132.2	.242	1.827
170	15.67	36.24	26.80	131.7	.255	2.044
180	15.38	36.19	26.83	129.3	.268	2.274
190	14.97	36.09	26.84	128.1	.281	2.512
200	14.77	36.04	26.85	128.2	.294	2.762
225	14.00	35.85	26.87	126.8	.325	3.437
250	13.35	35.72	26.90	123.6	.357	4.180
300	12.77	35.63	26.95	120.1	.418	5.850
400	11.29	35.46	27.11	107.2	.529	9.754
500	10.16	35.31	27.19	100.4	.633	14.414
600	9.04	35.19	27.29	92.4	.730	19.762
800	7.35	35.03	27.42	81.0	.905	31.982
1000	6.34	35.05	27.58	67.5	1.053	45.206
1009	6.29	35.04	27.58	67.7	1.059	45.819

CAST NO122J LAT 21 42.7 DATE 3/11/74 TIME 2135  
 STATION L 8 LONG 17 48.0 DPTH 1160 PROBE OSU3  
 SWELL DIR 20 HT 10 PER 8 BAR 11.8 WEATHER 1  
 WIND DIR 20 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.5 WET BULB 5.1

CAST NO1240 LAT 21 39.5 DATE 3/12/74 TIME 304  
 STATION LONG 18 9.5 DPTH 1880 PROBE OSU3  
 SWELL DIR 10 HT 8 PER 7 BAR 9.8 WEATHER 1  
 WIND DIR 30 SPD 22 CLOUD TYPE 4-0 AMOUNT 7  
 AIR TEMP 17.5 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.72	36.28	26.35	169.5	0	0
10	17.72	36.28	26.35	169.9	.017	.008
20	17.71	36.29	26.36	169.2	.034	.034
30	17.68	36.28	26.36	169.6	.051	.076
40	17.31	36.28	26.45	161.4	.067	.134
50	16.43	36.21	26.59	147.6	.083	.204
60	16.27	35.25	26.67	140.6	.097	.283
70	16.28	36.26	26.68	140.5	.111	.374
80	16.42	36.34	26.71	139.1	.125	.478
90	16.31	36.34	26.73	136.0	.139	.594
100	16.09	36.29	26.74	135.0	.152	.723
110	15.95	36.29	26.78	132.3	.166	.862
120	15.59	36.19	26.78	132.0	.179	1.015
130	15.50	36.18	26.79	131.1	.192	1.179
140	15.38	36.16	26.80	130.5	.205	1.356
150	15.23	36.13	26.82	129.2	.218	1.544
160	15.15	36.14	26.84	127.4	.231	1.743
170	14.82	35.07	26.86	125.8	.244	1.954
18	14.98	36.13	26.87	125.1	.256	2.173
190	14.94	36.13	26.88	124.7	.269	2.404
200	14.87	36.12	26.89	124.1	.281	2.646
225	14.48	36.03	26.90	123.2	.312	3.301
250	13.49	35.80	26.94	120.3	.342	4.017
300	12.99	35.70	26.98	117.3	.402	5.660
400	11.45	35.47	27.09	109.1	.515	9.627
500	10.29	35.33	27.19	101.2	.621	14.364
526	10.12	35.32	27.21	99.5	.647	15.704

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.65	36.17	26.28	175.8	0	0
1	17.65	36.17	26.28	175.9	.002	.000
10	17.66	36.17	26.28	176.4	.018	.009
20	17.66	36.18	26.28	176.0	.035	.035
30	17.66	36.19	26.29	175.6	.053	.079
40	17.69	36.22	26.31	174.5	.070	.140
50	17.85	36.33	26.35	170.6	.087	.217
60	16.53	36.06	26.46	150.3	.104	.309
70	16.44	36.08	26.50	157.1	.120	.412
80	16.26	36.02	26.50	157.8	.136	.529
90	15.81	35.95	26.55	153.3	.151	.662
100	15.38	35.87	26.58	150.1	.166	.807
110	15.03	35.81	26.61	147.4	.181	.964
120	14.95	35.82	26.64	145.3	.196	1.133
130	14.87	35.81	26.65	144.6	.211	1.314
140	15.21	35.96	26.69	141.2	.225	1.504
150	14.99	35.88	26.68	142.6	.239	1.710
160	14.78	35.84	26.69	141.4	.253	1.929
170	14.66	35.85	26.73	139.5	.267	2.160
180	14.66	35.85	26.73	139.3	.281	2.402
190	14.44	35.80	26.74	139.1	.295	2.658
200	15.05	36.03	26.78	134.5	.308	2.923
225	14.83	35.98	26.79	134.2	.342	3.637
250	15.25	36.16	26.84	130.9	.375	4.417
300	14.66	36.10	26.92	124.2	.439	6.184
400	12.79	35.75	27.04	114.4	.558	10.351
500	11.07	35.48	27.16	104.1	.666	15.205
600	9.57	35.31	27.29	92.4	.764	20.552
800	7.48	35.04	27.41	82.2	.938	32.745
993	6.49	35.06	27.56	68.9	1.083	45.639





CAST NO110J LAT 21 40.1 DATE 3/13/74 TIME 1325  
 STATION L 7 LONG 17 42.0 DPTH 841 PROBE OSU3  
 SWELL DIR 20 HT 9 PER 8 BAR 13.2 WEATHER 1  
 WIND DIR 20 SPD 26 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.4 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.49	36.43	26.42	162.6	0	0
10	17.89	36.42	26.41	163.6	.016	.008
20	17.89	36.44	26.43	162.5	.033	.033
30	17.48	36.44	26.43	162.6	.049	.073
40	17.87	36.44	26.43	162.9	.065	.131
50	17.46	36.39	26.50	156.9	.081	.203
60	16.30	36.17	26.60	147.1	.097	.286
70	16.54	36.29	26.64	144.1	.111	.381
80	16.45	36.30	26.67	141.7	.125	.488
90	16.35	36.27	26.67	141.9	.140	.609
100	16.13	36.23	26.69	140.3	.154	.743
110	16.35	36.33	26.71	138.2	.168	.889
120	16.05	36.25	26.72	137.7	.181	1.047
130	15.89	36.21	26.73	137.5	.195	1.218
140	15.76	36.20	26.75	135.6	.209	1.403
150	15.39	36.28	26.76	135.2	.222	1.600
160	15.90	36.27	26.77	134.2	.236	1.810
170	15.62	36.15	26.74	137.1	.249	2.034
180	15.69	36.24	26.90	132.4	.263	2.270
190	14.99	36.09	26.84	128.6	.276	2.510
200	14.30	35.91	26.85	127.5	.289	2.761
225	13.65	35.76	26.87	126.0	.320	3.434
250	13.57	35.76	26.89	125.0	.352	4.180
300	13.53	35.84	26.96	119.8	.412	5.837
400	11.59	35.48	27.07	111.2	.528	9.870
492	10.49	35.33	27.17	102.9	.625	14.225

CAST NO131J LAT 21 40.0 DATE 3/13/74 TIME 42  
 STATION L 6 LONG 17 35.7 DPTH 820 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 12.5 WEATHER 3  
 WIND DIR 20 SPD 23 CLOUD TYPE 8- AMOUNT 2  
 AIR TEMP 17.5 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.78	36.44	26.45	159.2	0	0
10	17.79	36.44	26.45	159.8	.016	.008
20	17.79	36.47	26.47	158.0	.032	.032
30	17.79	36.47	26.47	158.3	.048	.071
40	17.73	36.48	26.48	157.7	.063	.127
50	17.84	36.52	26.50	156.6	.079	.197
60	17.62	36.53	26.56	151.0	.094	.282
70	17.47	36.53	26.60	147.9	.109	.378
80	17.33	36.49	26.60	147.9	.124	.488
90	16.98	36.44	26.65	143.8	.139	.612
100	16.77	36.42	26.68	140.8	.153	.748
110	16.70	36.41	26.69	140.3	.167	.895
120	16.64	36.41	26.71	139.3	.181	1.055
130	16.55	36.40	26.72	138.3	.195	1.229
140	16.45	36.38	26.73	137.8	.209	1.415
150	16.16	36.32	26.75	136.0	.222	1.614
160	15.72	36.18	26.74	136.8	.236	1.825
170	15.05	36.02	26.77	134.3	.249	2.049
180	14.84	35.97	26.78	133.8	.263	2.282
190	14.65	35.95	26.81	131.6	.276	2.527
200	14.57	35.93	26.81	131.7	.289	2.784
225	14.96	36.14	26.88	125.3	.322	3.479
250	15.21	36.18	26.86	128.6	.354	4.242
300	14.14	35.97	26.93	122.7	.417	5.967
400	12.07	35.63	27.09	109.3	.533	10.035
495	10.65	35.37	27.15	104.5	.632	14.464

CAST NO132J LAT 21 40.0 DATE 3/13/74 TIME 234  
 STATION L 5 LONG 17 30.0 DPTH 570 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 11.2 WEATHER 3  
 WIND DIR 20 SPD 30 CLOUD TYPE 8-0 AMOUNT 6  
 AIR TEMP 16.7 WET BULB 14.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.22	36.22	26.42	162.3	0	0
10	17.23	36.22	26.42	162.8	.016	.008
20	17.23	36.22	26.42	163.2	.033	.033
30	17.23	36.23	26.43	162.8	.049	.073
40	17.23	36.23	26.43	163.1	.065	.130
50	17.23	36.23	26.43	163.5	.081	.204
60	17.23	36.23	26.43	163.8	.098	.294
70	17.23	36.22	26.42	164.9	.114	.400
80	17.20	36.24	26.44	163.1	.131	.523
90	17.21	36.25	26.45	162.9	.147	.661

100	17.45	36.45	26.54	154.3	.163	.812
110	17.37	36.45	26.63	149.8	.178	.969
120	16.54	36.30	26.65	149.0	.192	1.135
130	15.87	36.19	26.72	138.4	.206	1.315
140	14.66	36.09	26.69	141.4	.221	1.506
150	14.71	36.14	26.72	139.2	.235	1.709
160	15.51	36.10	26.73	138.2	.249	1.924
170	15.40	36.08	26.74	137.5	.262	2.151
180	15.26	36.09	26.78	134.0	.276	2.389
190	15.08	36.06	26.80	132.7	.289	2.635
200	15.03	36.06	26.81	131.3	.302	2.893
225	14.41	35.92	26.84	129.8	.335	3.583
250	13.77	35.81	26.89	125.4	.367	4.348
300	12.71	35.62	26.96	119.6	.429	6.044
400	12.00	35.55	27.04	113.8	.547	10.177
486	11.45	35.47	27.08	111.5	.643	14.432

CAST NO133J LAT 21 40.0 DATE 3/13/74 TIME 414  
 STATION L 4 LONG 17 24.0 DPTH 95 PROBE OSU3  
 SWELL DIR 0 HT 9 PER 8 BAR 12.2 WEATHER 3  
 WIND DIR 30 SPD 26 CLOUD TYPE 0-0 AMOUNT 8  
 AIR TEMP 16.6 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.88	36.20	26.49	156.0	0	0
1	16.88	36.20	26.49	156.0	.032	.032
10	16.90	36.21	26.49	156.0	.016	.008
20	16.91	36.22	26.50	155.9	.031	.031
30	16.91	36.23	26.50	155.5	.047	.070
40	16.87	36.28	26.55	151.3	.062	.124
50	16.66	36.26	26.59	148.3	.077	.191
60	16.42	36.21	26.61	146.9	.092	.272
70	16.29	36.19	26.62	145.8	.106	.367
80	15.63	36.07	26.68	140.3	.121	.474
85	15.50	36.03	26.68	140.6	.128	.532

CAST NO134J LAT 21 40.0 DATE 3/13/74 TIME 526  
 STATION L 3 LONG 17 18.5 DPTH 74 PROBE CSU3  
 SWELL DIR 0 HT 9 PER 10 BAR 11.8 WEATHER 2  
 WIND DIR 20 SPD 24 CLOUD TYPE 0-0 AMOUNT 8  
 AIR TEMP 16.4 WET BULB 14.3

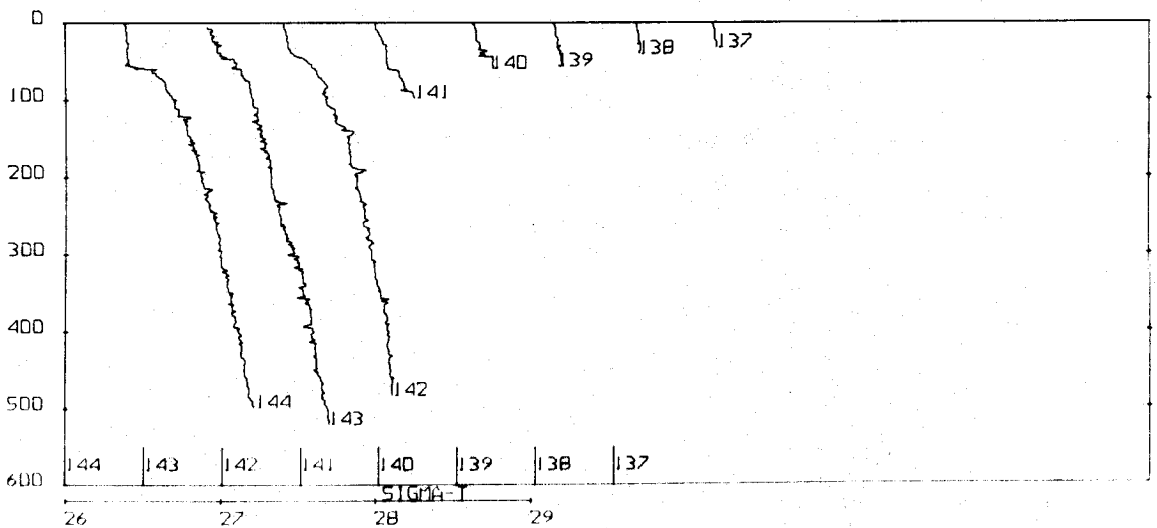
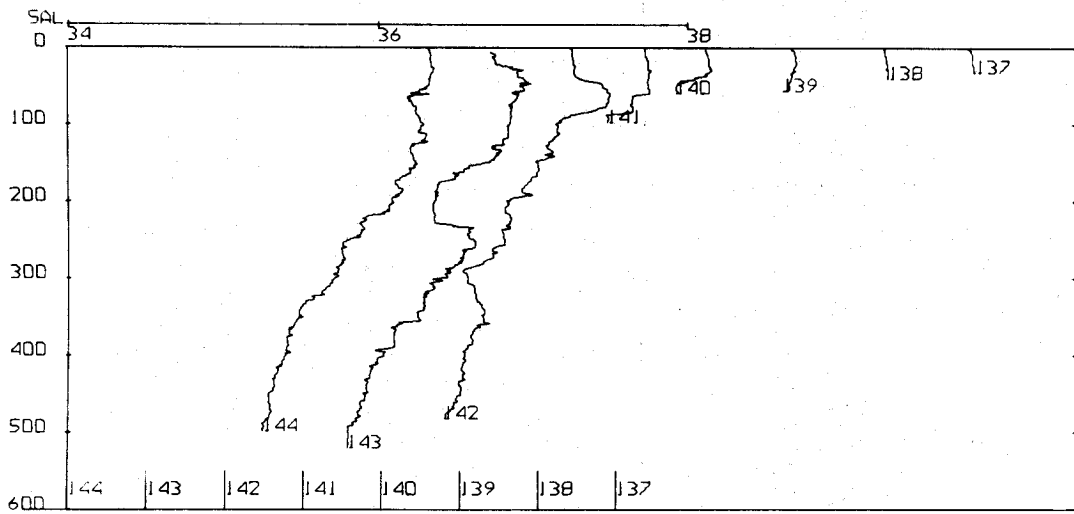
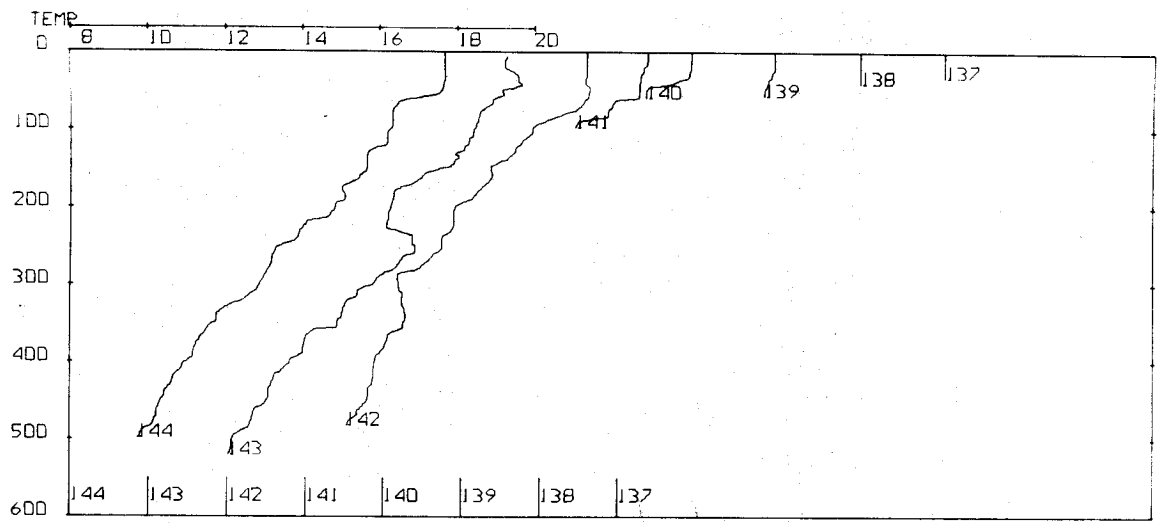
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.03	36.12	26.63	142.9	0	0
10	16.04	36.13	26.63	142.7	.014	.007
20	15.98	36.14	26.65	140.9	.029	.028
30	15.67	36.11	26.70	136.7	.042	.063
40	15.02	36.00	26.76	131.1	.056	.111
50	14.98	35.90	26.72	135.8	.069	.171
60	14.88	35.93	26.74	133.9	.083	.245
70	14.90	35.93	26.74	134.7	.096	.332
71	14.90	35.93	26.74	134.7	.098	.342

CAST NO135J LAT 21 40.0 DATE 3/13/74 TIME 649  
 STATION L 2 LONG 17 12.0 DPTH 58 PROBE CSU3  
 SWELL DIR 10 HT 9 PER 8 BAR 12.2 WEATHER 1  
 WIND DIR 30 SPD 30 CLOUD TYPE 3-7 AMOUNT 6  
 AIR TEMP 16.5 WET BULB 14.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.00	36.14	26.65	140.7	0	0
10	15.99	36.15	26.66	140.1	.014	.007
20	16.00	36.15	26.66	140.7	.028	.028
30	15.97	36.15	26.67	140.1	.042	.063
40	15.93	36.15	26.67	139.8	.056	.112
50	15.85	36.14	26.68	139.1	.070	.175
56	15.84	36.14	26.69	139.0	.078	.219

CAST NO136J LAT 21 40.0 DATE 3/13/74 TIME 830  
 STATION L 1 LONG 17 6.2 DPTH 37 PROBE OSU3  
 SWELL DIR 20 HT 12 PER 8 BAR 12.9 WEATHER 1  
 WIND DIR 20 SPD 30 CLOUD TYPE 6-0 AMOUNT 1  
 AIR TEMP 16.2 WET BULB 13.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.51	36.27	26.63	142.5	0	0
10	16.50	36.29	26.65	141.2	.014	.007
20	16.51	36.29	26.65	141.8	.028	.028
30	16.51	36.29	26.65	142.1	.043	.064
37	16.51	36.29	26.65	142.3	.052	.097



CAST NO137J LAT 21 39.6 DATE 3/13/74 TIME 042  
 STATION L 1 LONG 17 5.4 DPTH 16 PROBE OSU3  
 SWELL DIR 10 HT 12 PER 8 BAR 12.9 WEATHER 1  
 WIND DIR 10 SPD 30 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.54	36.30	26.65	141.0	0	0
10	16.54	36.33	26.67	139.2	.014	.007
20	16.54	36.33	26.67	139.5	.014	.028
30	16.54	36.34	26.68	139.1	.017	.063
32	16.54	36.35	26.68	138.5	.045	.071

CAST NO138J LAT 21 40.1 DATE 3/13/74 TIME 1040  
 STATION LONG 17 8.4 DPTH 45 PROBE OSU3  
 SWELL DIR 30 HT 12 FER 8 BAR 13.9 WEATHER 3  
 WIND DIR 20 SPD 30 CLOUD TYPE 8-0 AMOUNT 1  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.32	36.26	26.67	139.0	0	0
10	16.31	36.26	26.67	139.2	.014	.007
20	16.32	36.27	26.67	139.0	.028	.028
30	16.31	36.28	26.68	138.4	.042	.062
40	16.32	36.28	26.68	138.9	.056	.111
40	16.32	36.28	26.69	138.9	.056	.111

CAST NO139J LAT 21 40.0 DATE 3/13/74 TIME 1125  
 STATION L 2 LONG 17 12.2 DPTH 58 PROBE OSU3  
 SWELL DIR 20 HT 12 PER 8 BAR 13.6 WEATHER 1  
 WIND DIR 20 SPD 30 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.10	36.15	26.63	142.2	0	0
10	16.11	36.17	26.65	141.3	.014	.007
20	16.09	36.18	26.66	140.4	.028	.028
30	16.02	36.16	26.66	140.7	.042	.063
40	15.91	36.15	26.68	139.3	.056	.112
50	15.82	36.13	26.68	139.1	.070	.175
56	15.82	36.09	26.65	142.2	.079	.220

CAST NO140J LAT 21 40.0 DATE 3/13/74 TIME 1238  
 STATION L 3 LONG 17 18.0 DPTH 65 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 7 BAR 12.9 WEATHER 3  
 WIND DIR 20 SPD 24 CLOUD TYPE 8-0 AMOUNT 2  
 AIR TEMP 17.3 WET BULB 14.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.99	36.10	26.62	143.4	0	0
10	15.96	36.11	26.64	142.4	.014	.007
20	15.96	36.11	26.64	142.7	.029	.029
30	15.91	36.13	26.66	140.5	.043	.064
40	15.50	36.03	26.68	138.8	.057	.113
50	14.79	35.90	26.74	134.0	.070	.174
59	14.79	35.90	26.74	134.2	.082	.239

CAST NO141J LAT 21 40.0 DATE 3/13/74 TIME 1350  
 STATION L 4 LONG 17 24.0 DPTH 98 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 7 BAR 12.5 WEATHER 2  
 WIND DIR 20 SPD 26 CLOUD TYPE 8-0 AMOUNT 2  
 AIR TEMP 17.3 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.97	36.21	26.50	155.0	0	0
10	16.95	36.21	26.50	154.9	.016	.008
20	16.76	36.23	26.54	151.7	.031	.031
30	16.68	36.24	26.57	149.5	.046	.068
40	16.64	36.22	26.56	150.4	.061	.121
50	16.63	36.23	26.57	149.8	.076	.188
60	16.44	36.23	26.61	146.8	.091	.270
70	15.93	36.12	26.65	142.9	.105	.364
80	15.44	36.13	26.68	140.5	.119	.470
90	15.03	35.97	26.74	135.1	.133	.588
97	14.99	35.96	26.74	135.0	.143	.676

CAST NO142J LAT 21 40.0 DATE 3/13/74 TIME 1512  
 STATION L 5 LONG 17 30.0 DPTH 55 PROBE OSU3  
 SWELL DIR 0 HT 8 PER 7 BAR 11.2 WEATHER 5  
 WIND DIR 20 SPD 30 CLOUD TYPE 0-0 AMOUNT 1  
 AIR TEMP 17.2 WET BULB 14.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.32	36.23	26.41	163.8	0	0
10	17.32	36.24	26.41	161.4	.016	.008
20	17.10	36.24	26.42	163.3	.033	.033
30	17.29	36.25	26.43	162.7	.049	.073
40	17.27	36.26	26.44	161.9	.065	.130
50	17.36	36.46	26.57	150.2	.081	.200

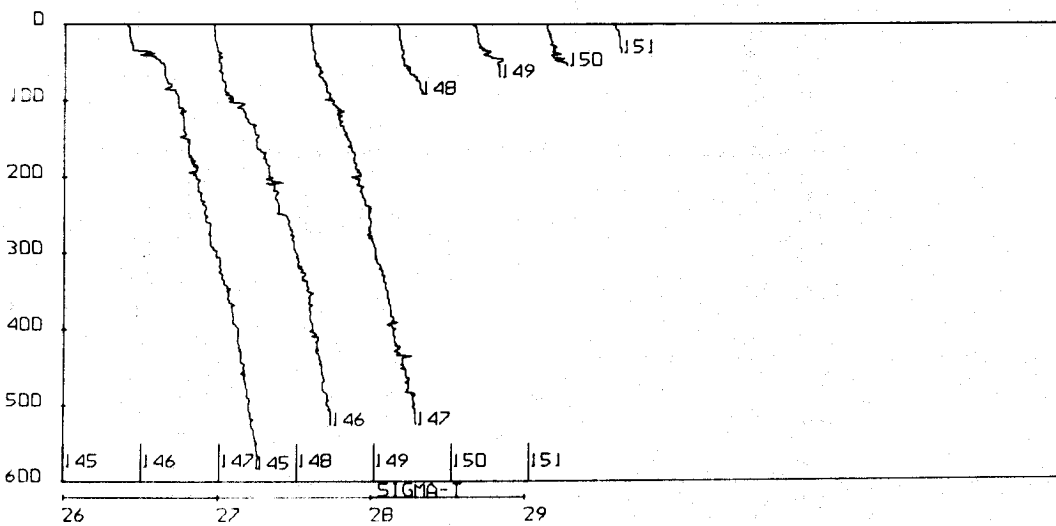
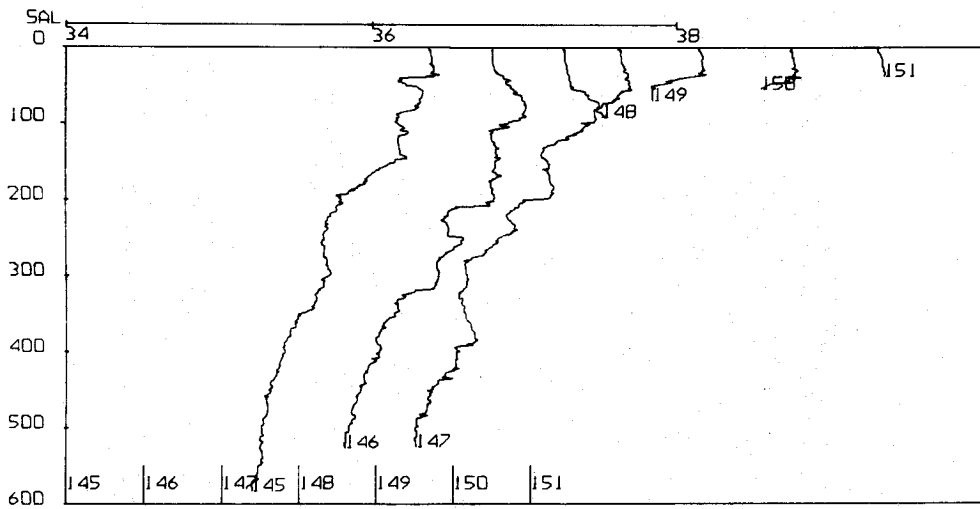
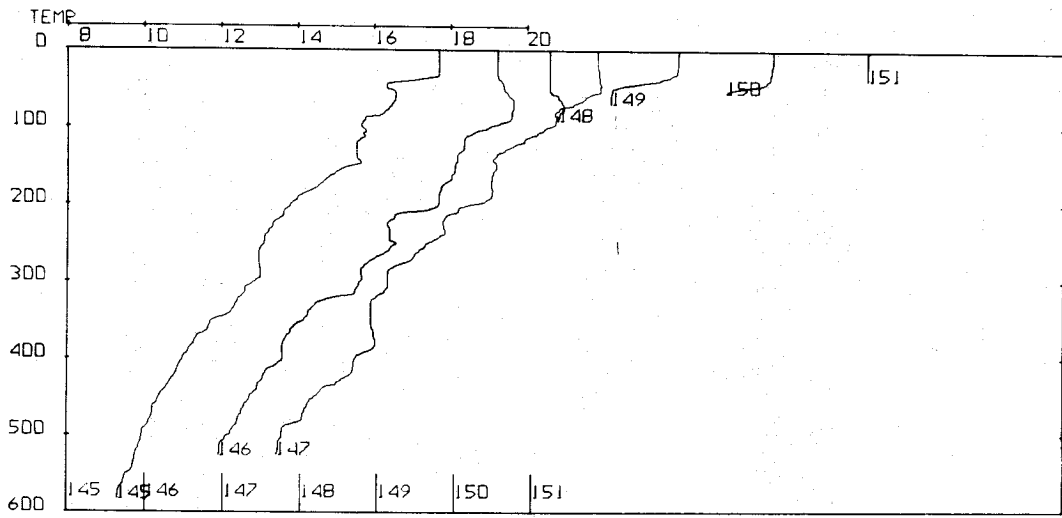
60	17.29	36.48	26.60	147.0	.096	.282
70	17.15	36.47	26.63	144.9	.110	.377
80	16.68	36.19	26.68	140.3	.124	.483
90	16.17	36.20	26.66	143.0	.139	.603
100	15.99	36.14	26.67	141.5	.153	.736
110	15.74	36.14	26.71	138.6	.167	.886
120	15.55	36.12	26.74	136.2	.180	1.043
130	15.39	36.09	26.75	135.3	.194	1.213
140	15.09	36.09	26.82	129.2	.207	1.392
150	14.82	36.02	26.82	128.8	.220	1.578
160	14.83	36.02	26.82	129.4	.233	1.779
170	14.66	35.98	26.83	129.0	.246	1.991
180	14.46	35.93	26.84	128.4	.259	2.217
190	14.28	35.94	26.88	124.6	.272	2.453
200	13.83	35.82	26.87	125.7	.284	2.696
225	13.82	35.83	26.89	124.2	.315	3.359
250	13.54	35.80	26.93	121.5	.346	4.085
300	12.44	35.56	26.96	118.8	.406	5.737
400	11.78	35.54	27.08	110.4	.520	9.724
482	11.05	35.41	27.11	108.4	.610	13.695

CAST NO143J LAT 21 40.0 DATE 3/13/74 TIME 1701  
 STATION L 6 LONG 17 36.0 DPTH 875 PROBE OSU3  
 SWELL DIR 10 HT 9 PER 8 BAR 12.2 WEATHER 3  
 WIND DIR 10 SPD 38 CLOUD TYPE 0-6 AMOUNT 2  
 AIR TEMP 17.4 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.25	36.22	26.42	163.0	0	0
6	17.25	36.22	26.42	163.2	.010	.003
10	17.20	36.22	26.43	162.1	.016	.008
20	17.21	36.25	26.45	160.5	.032	.032
30	17.55	36.38	26.46	159.3	.048	.072
40	17.59	36.43	26.49	156.9	.064	.128
50	17.14	36.40	26.58	149.0	.080	.197
60	16.92	36.39	26.62	145.1	.094	.278
70	16.75	36.36	26.65	143.4	.109	.372
80	16.54	36.35	26.68	140.0	.123	.478
90	16.49	36.35	26.70	139.3	.137	.597
100	16.39	36.32	26.70	139.3	.151	.729
110	16.30	36.33	26.73	137.1	.165	.874
120	16.20	36.32	26.74	135.9	.178	1.031
130	15.93	36.24	26.74	136.1	.192	1.201
140	15.89	36.24	26.75	135.5	.205	1.384
150	15.48	36.16	26.78	132.7	.219	1.579
160	15.05	36.04	26.79	132.6	.232	1.786
170	14.79	35.98	26.80	131.7	.245	2.005
180	14.33	35.87	26.81	130.5	.259	2.234
190	14.29	35.87	26.82	129.9	.272	2.474
200	14.23	35.85	26.82	130.4	.285	2.727
225	14.15	35.85	26.84	129.5	.317	3.416
250	14.88	36.12	26.89	125.9	.349	4.171
300	13.73	35.91	26.97	118.7	.410	5.855
400	11.60	35.52	27.10	108.5	.523	9.789
500	10.11	35.30	27.15	100.2	.628	14.527
920	10.02	35.29	27.20	99.8	.648	15.549

CAST NO144J LAT 21 40.0 DATE 3/13/74 TIME 1855  
 STATION L 7 LONG 17 40.0 DPTH 940 PROBE OSU3  
 SWELL DIR 0 HT 9 PER 10 BAR 12.5 WEATHER 1  
 WIND DIR 10 SPD 34 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.1 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.63	36.32	26.39	165.6	0	0
10	17.68	36.33	26.40	164.9	.016	.008
20	17.68	36.34	26.40	164.9	.033	.033
30	17.68	36.35	26.41	164.5	.049	.074
40	17.63	36.33	26.41	165.1	.066	.132
50	17.57	36.32	26.42	164.5	.082	.206
60	16.81	36.22	26.52	154.9	.099	.295
70	16.41	36.20	26.60	147.7	.114	.393
80	16.31	36.24	26.65	142.9	.128	.501
90	16.31	36.27	26.68	141.0	.142	.622
100	15.22	36.28	26.71	138.6	.156	.756
110	16.17	36.26	26.70	139.3	.170	.901
120	16.12	36.30	26.74	135.6	.184	1.058
130	15.66	36.21	26.78	132.8	.197	1.226
140	15.66	36.22	26.79	132.0	.211	1.404
150	15.63	36.24	26.81	130.2	.224	1.594
160	15.45	36.20	26.82	129.5	.237	1.795
170	15.13	36.13	26.84	124.0	.250	2.008
180	15.05	36.13	26.85	127.0	.262	2.230
190	15.06	36.13	26.85	127.1	.275	2.464
200	14.91	36.08	26.87	125.8	.287	2.710
225	11.99	35.90	26.91	122.4	.318	3.367
250	13.38	35.77	26.94	120.5	.349	4.083
300	12.83	35.71	27.00	115.9	.407	5.690
400	10.92	35.39	27.12	105.6	.518	9.663
498	9.71	35.25	27.22	97.0	.618	14.854



CAST NO145J LAT 21 40.0 DATE 3/14/74 TIME 1040  
 STATION L 7 LONG 17 42.0 DPTH 850 PROBE CSU3  
 SWELL DIR 30 HT 12 PER 8 BAR 13.9 WEATHER 2  
 WIND DIR 30 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.70	36.37	26.42	162.5	0	0
10	17.70	36.38	26.43	162.1	.016	.008
20	17.69	36.38	26.43	162.0	.032	.032
30	17.54	36.40	26.45	160.9	.049	.073
40	16.77	36.24	26.55	151.9	.064	.128
50	16.40	36.25	26.64	143.2	.079	.194
60	16.56	36.32	26.66	142.0	.093	.272
70	16.45	36.31	26.68	140.6	.107	.364
80	16.26	36.28	26.70	138.9	.121	.469
90	15.75	36.16	26.72	135.7	.135	.589
100	15.69	36.15	26.73	136.4	.149	.714
110	15.75	36.20	26.75	134.4	.162	.856
120	15.52	36.16	26.77	132.7	.175	1.005
130	15.53	36.17	26.78	132.5	.189	1.175
140	15.57	36.18	26.78	132.8	.202	1.354
150	15.33	36.15	26.81	130.4	.215	1.545
160	14.95	36.03	26.80	131.2	.228	1.748
170	14.66	35.96	26.82	130.0	.241	1.962
180	14.37	35.92	26.84	127.6	.254	2.187
190	13.93	35.84	26.87	125.9	.267	2.422
200	13.78	35.78	26.86	126.5	.279	2.669
225	13.32	35.69	26.89	124.4	.311	3.334
250	13.08	35.67	26.92	121.8	.341	4.062
300	12.81	35.69	26.99	116.5	.401	5.707
400	10.95	35.42	27.14	103.9	.512	9.560
500	9.90	35.27	27.21	98.8	.613	14.129
583	9.28	35.20	27.26	95.2	.693	18.444

CAST NO146J LAT 21 40.0 DATE 3/14/74 TIME 1506  
 STATION L 6 LONG 17 36.0 DPTH 880 PROBE CSU3  
 SWELL DIR 350 HT 8 PER 7 BAR 13.6 WEATHER 2  
 WIND DIR 20 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.2 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.19	36.28	26.48	157.2	0	0
10	17.19	36.28	26.48	157.6	.016	.008
20	17.19	36.28	26.48	157.9	.032	.032
30	17.18	36.29	26.49	157.3	.047	.071
40	17.29	36.38	26.53	153.6	.063	.126
50	17.38	36.38	26.51	156.0	.078	.195
60	17.52	36.44	26.52	155.3	.094	.281
70	17.61	36.49	26.53	154.1	.109	.381
80	17.57	36.49	26.54	153.5	.125	.497
90	17.52	36.48	26.55	153.4	.140	.628
100	17.01	36.34	26.56	152.1	.155	.771
110	16.47	36.26	26.63	146.0	.170	.926
120	16.32	36.27	26.67	142.2	.184	1.090
130	16.26	36.28	26.70	140.5	.198	1.266
140	16.13	36.30	26.74	136.5	.212	1.451
150	16.08	36.29	26.75	136.4	.226	1.649
160	16.03	36.28	26.75	136.4	.239	1.861
170	15.88	36.30	26.80	131.9	.253	2.083
180	15.71	36.26	26.81	131.4	.266	2.313
190	15.57	36.28	26.83	129.4	.279	2.553
200	15.64	36.28	26.84	129.1	.292	2.805
225	14.31	35.96	26.89	124.9	.324	3.477
250	14.55	36.08	26.93	121.8	.355	4.217
300	13.56	35.92	27.02	114.5	.413	5.827
400	11.55	35.53	27.11	106.8	.522	9.640
500	10.09	35.33	27.22	97.7	.624	14.199
526	9.89	35.31	27.24	96.3	.649	15.485

CAST NO147U LAT 21 41.6 DATE 3/14/74 TIME 1706  
 STATION L 5 LONG 17 38.5 DPTH 584 PROBE CSU3  
 SWELL DIR 10 HT 11 PER 10 BAR 12.5 WEATHER 2  
 WIND DIR 10 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.5 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.56	36.24	26.60	145.9	0	0
10	16.56	36.25	26.60	145.5	.015	.007
20	16.56	36.26	26.61	145.1	.029	.029
30	16.57	36.27	26.62	144.8	.044	.065
40	16.57	36.28	26.62	144.5	.058	.116
50	16.55	36.29	26.64	143.6	.072	.181
60	16.77	36.38	26.65	142.4	.087	.260
70	16.92	36.46	26.68	140.3	.101	.352
80	16.82	36.45	26.69	139.1	.115	.456
90	16.72	36.46	26.73	136.4	.129	.574

100	16.46	36.39	26.73	136.0	.142	.703
110	16.15	36.35	26.78	132.3	.156	.845
120	15.81	36.24	26.77	133.1	.169	.996
130	15.35	36.13	26.79	131.5	.182	1.161
140	15.37	36.10	26.83	128.1	.195	1.336
150	15.15	36.14	26.84	127.1	.208	1.521
160	15.06	36.14	26.86	125.5	.221	1.716
170	15.30	36.15	26.88	123.3	.233	1.922
180	15.05	36.17	26.89	123.7	.245	2.138
190	14.99	36.16	26.89	123.5	.258	2.367
200	14.49	36.05	26.92	121.2	.270	2.604
225	13.76	35.88	26.94	119.7	.300	3.247
25	13.32	35.81	26.98	116.1	.329	3.943
300	12.31	35.61	27.03	112.7	.387	5.520
400	11.42	35.54	27.14	103.7	.494	9.269
500	9.50	35.26	27.27	92.9	.592	13.666
525	9.39	35.27	27.29	90.7	.615	14.835

CAST NO148J LAT 21 41.6 DATE 3/14/74 TIME 1902  
 STATION L 4 LONG 17 24.0 DPTH 95 PROBE CSU3  
 SWELL DIR 0 HT 9 PER 10 BAR 12.5 WEATHER 2  
 WIND DIR 10 SPD 26 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.0 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.80	36.10	26.66	139.3	0	0
1	15.80	36.10	26.66	139.3	.001	.000
10	15.80	36.11	26.67	138.9	.014	.007
20	15.80	36.12	26.68	138.5	.028	.028
30	15.82	36.14	26.69	137.9	.042	.062
40	15.85	36.16	26.70	137.3	.055	.110
50	15.88	36.17	26.70	137.5	.069	.172
60	15.46	36.10	26.74	133.8	.093	.246
70	15.11	36.06	26.79	129.6	.096	.332
80	14.66	35.95	26.80	128.5	.109	.425
90	14.75	36.00	26.82	127.0	.121	.537
91	14.74	35.99	26.82	127.6	.123	.548

CAST NO149U LAT 21 40.5 DATE 3/14/74 TIME 2037  
 STATION L 3 LONG 17 18.3 DPTH 70 PROBE CSU3  
 SWELL DIR 20 HT 12 PER 8 BAR 12.5 WEATHER 2  
 WIND DIR 10 SPD 26 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.8 WET BULB 15.1

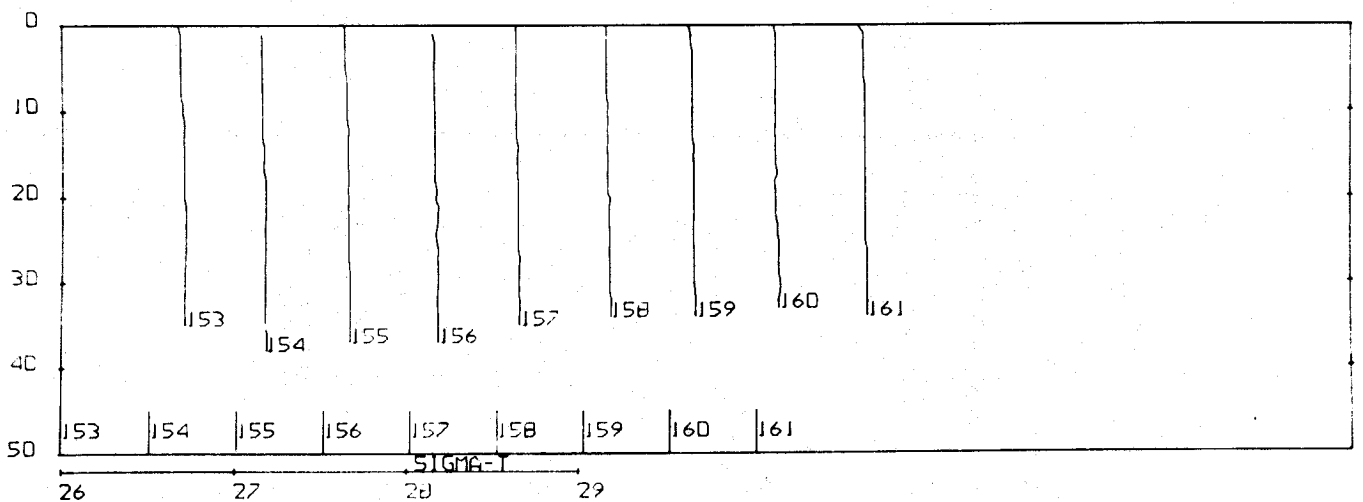
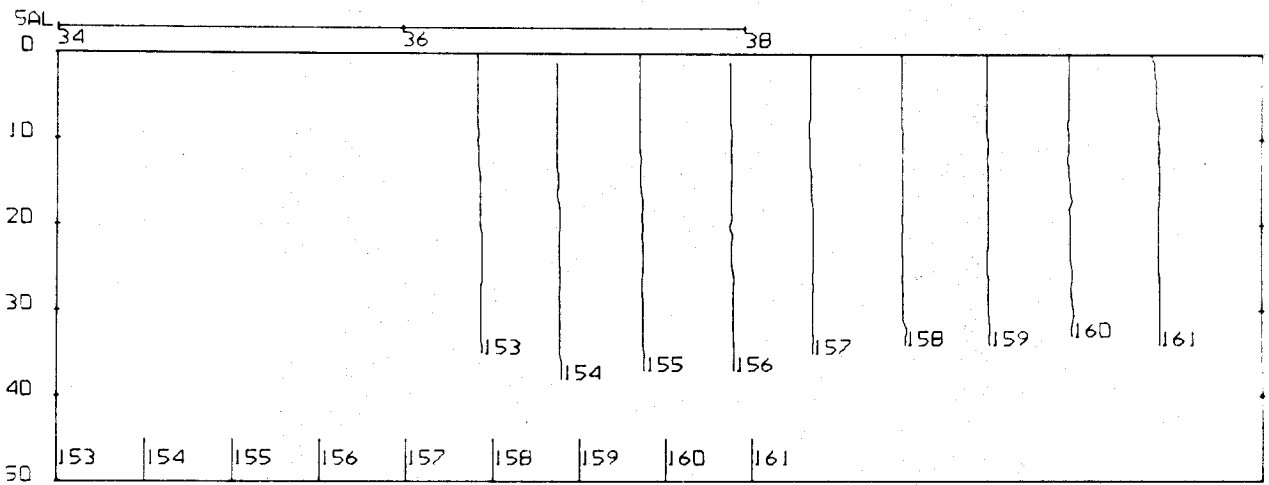
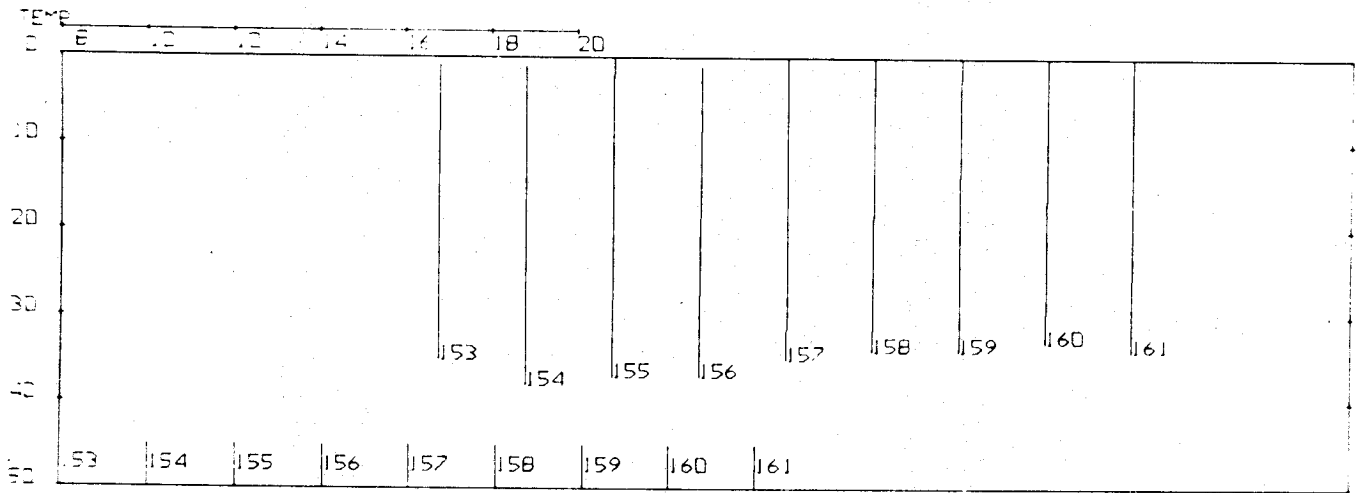
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.91	36.13	26.66	139.5	0	0
10	15.89	36.15	26.68	137.7	.014	.007
20	15.86	36.15	26.69	137.6	.028	.028
30	15.83	36.15	26.70	137.3	.041	.062
40	15.18	36.03	26.75	132.3	.055	.109
50	14.13	35.81	26.81	126.9	.068	.167
60	14.09	35.82	26.83	125.7	.080	.236
69	14.09	35.82	26.83	125.9	.092	.309

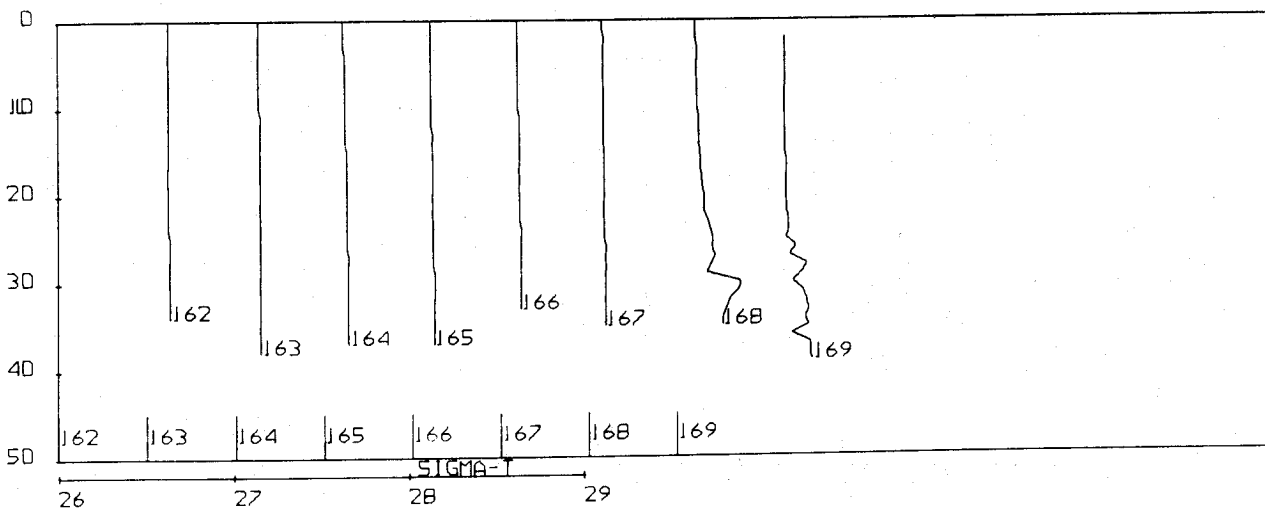
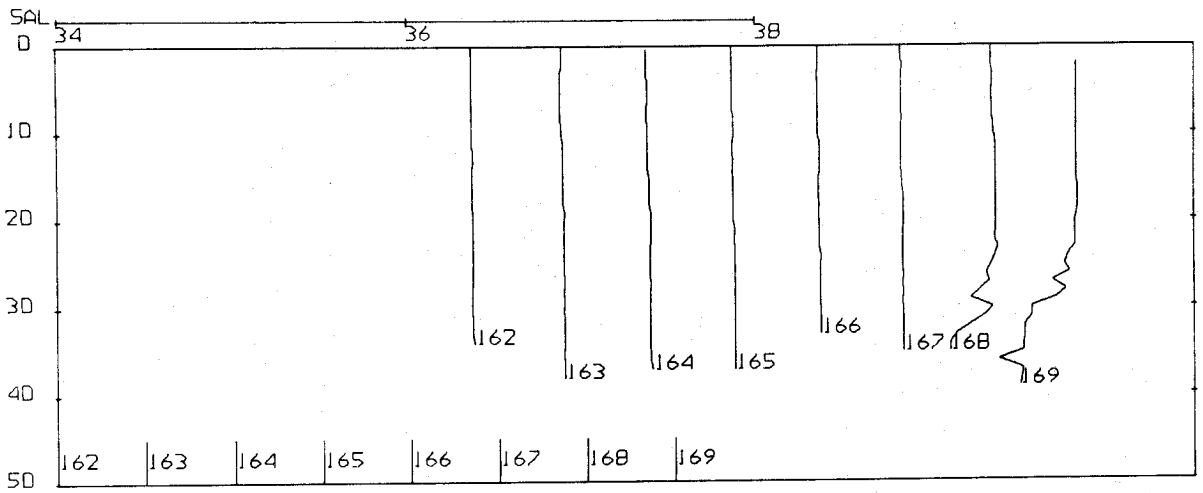
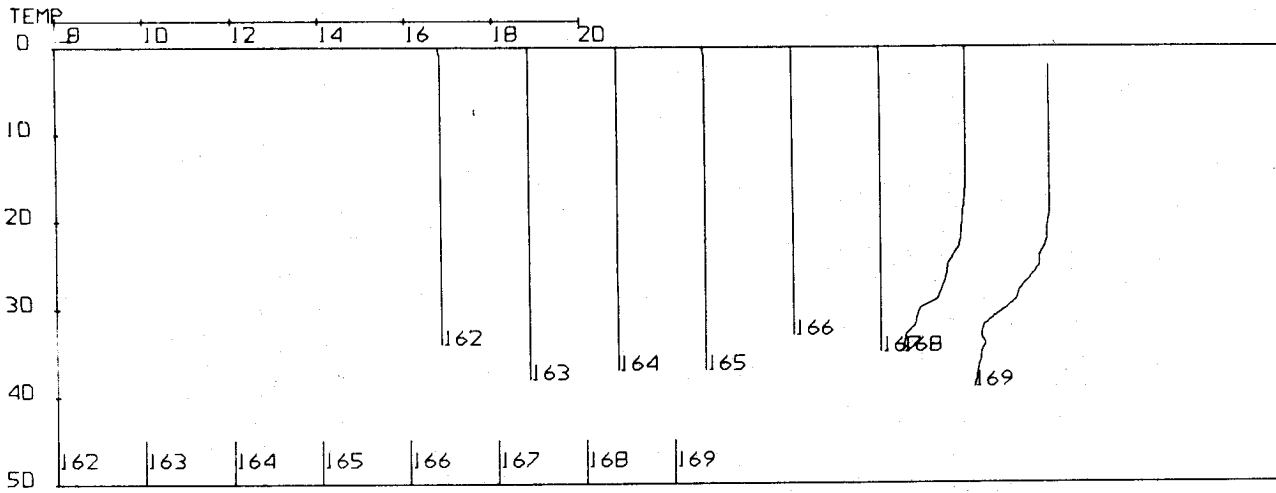
CAST NO150U LAT 21 40.0 DATE 3/14/74 TIME 2200  
 STATION L 2 LONG 17 12.0 DPTH 55 PROBE CSU3  
 SWELL DIR 20 HT 12 PER 8 BAR 14.9 WEATHER 2  
 WIND DIR 20 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.9 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.35	36.23	26.64	141.9	0	0
1	16.35	36.23	26.64	141.9	.001	.000
10	16.34	36.25	26.65	140.5	.014	.007
20	16.32	36.25	26.66	140.4	.028	.028
30	16.28	36.27	26.68	138.4	.042	.063
40	16.18	36.24	26.68	138.7	.056	.112
50	15.29	36.04	26.74	134.0	.070	.173
54	15.10	36.03	26.77	131.1	.075	.201

CAST NO151J LAT 21 40.0 DATE 3/14/74 TIME 2308  
 STATION L 1 LONG 17 6.0 DPTH 36 PROBE CSU3  
 SWELL DIR 20 HT 12 PER 8 BAR 14.2 WEATHER 2  
 WIND DIR 20 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.1 WET BULB 15.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.91	36.30	26.56	149.4	0	0
10	16.82	36.33	26.60	145.5	.015	.007
20	16.82	36.33	26.60	145.8	.029	.029
30	16.82	36.34	26.61	145.4	.044	.066
37	16.82	36.34	26.61	145.7	.054	.100





CASST NO153J LAT 21 45.7 DATE 3/15/74 TIME 1612  
 STATION 0 1 LONG 17 5.2 DPTH 37 PROBE OSU3  
 SWELL DIR 33 HT 11 PER 8 BAR 14.9 WEATHER 2  
 WIND DIR 40 SPD 26 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.81	36.43	26.68	137.6	0	0
10	16.77	36.43	26.69	137.1	.014	.007
20	16.77	36.45	26.71	136.0	.027	.027
30	16.76	36.45	26.71	136.1	.041	.061
35	16.76	36.46	26.72	135.5	.048	.083

CASST NO154J LAT 21 45.4 DATE 3/15/74 TIME 1100  
 STATION 0 2 LONG 17 5.0 DPTH 40 PROBE OSU3  
 SWELL DIR 33 HT 11 PER 8 BAR 15.6 WEATHER 2  
 WIND DIR 40 SPD 26 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.78	36.39	26.66	139.9	0	0
1	16.78	36.39	26.66	139.9	.001	.000
10	16.78	36.39	26.66	140.2	.014	.007
20	16.76	36.40	26.67	139.4	.028	.028
30	16.77	36.41	26.68	139.2	.042	.063
38	16.76	36.42	26.69	138.5	.053	.101

CASST NO155J LAT 21 44.5 DATE 3/15/74 TIME 1200  
 STATION 0 3 LONG 17 4.0 DPTH 39 PROBE OSU3  
 SWELL DIR 10 HT 6 PER 6 BAR 16.3 WEATHER 5  
 WIND DIR 30 SPD 25 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.82	36.37	26.63	142.2	0	0
10	16.78	36.37	26.64	141.7	.014	.007
20	16.78	36.39	26.66	140.5	.028	.028
30	16.76	36.39	26.66	140.4	.042	.063
37	16.76	36.40	26.67	139.9	.052	.096

CASST NO156J LAT 21 43.5 DATE 3/15/74 TIME 1300  
 STATION 0 4 LONG 17 5.0 DPTH 40 PROBE OSU3  
 SWELL DIR 10 HT 6 PER 6 BAR 15.9 WEATHER 5  
 WIND DIR 20 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.84	36.40	26.65	140.5	0	0
1	16.84	36.40	26.65	140.5	.001	.000
10	16.82	36.40	26.66	140.4	.014	.007
20	16.80	36.41	26.67	139.5	.028	.028
30	16.78	36.41	26.67	139.4	.042	.063
37	16.78	36.42	26.68	138.9	.052	.096

CASST NO157J LAT 21 43.2 DATE 3/15/74 TIME 1400  
 STATION 0 5 LONG 17 5.3 DPTH 38 PROBE OSU3  
 SWELL DIR 10 HT 6 PER 6 BAR 15.2 WEATHER 5  
 WIND DIR 20 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.83	36.36	26.62	143.2	0	0
10	16.82	36.35	26.62	144.0	.014	.007
20	16.83	36.38	26.64	142.3	.029	.029
30	16.81	36.37	26.64	143.0	.043	.064
35	16.78	36.37	26.64	142.5	.050	.087

CASST NO158J LAT 21 42.8 DATE 3/15/74 TIME 1500  
 STATION 0 5 LONG 17 5.3 DPTH 38 PROBE OSU3  
 SWELL DIR 0 HT 5 PER 6 BAR 14.2 WEATHER 5  
 WIND DIR 10 SPD 25 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.83	36.39	26.65	141.0	0	0
10	16.82	36.39	26.65	141.1	.014	.007
20	16.79	36.39	26.66	140.8	.028	.028
30	16.79	36.40	26.66	140.4	.042	.063
34	16.78	36.41	26.67	139.6	.048	.081

CASST NO159J LAT 21 42.0 DATE 3/15/74 TIME 1600  
 STATION 0 7 LONG 17 5.5 DPTH 36 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 13.9 WEATHER 5  
 WIND DIR 0 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.89	36.39	26.63	142.4	0	0
10	16.83	36.39	26.65	141.3	.014	.007
20	16.82	36.40	26.66	140.7	.028	.028
30	16.82	36.40	26.66	141.1	.042	.063
34	16.80	36.41	26.67	140.0	.048	.081

CASST NO160J LAT 21 42.3 DATE 3/15/74 TIME 1702  
 STATION 0 8 LONG 17 6.0 DPTH 36 PROBE OSU3  
 SWELL DIR 0 HT 0 PER 0 BAR 0 WEATHER 0  
 WIND DIR 0 SPD 0 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.88	36.37	26.62	143.6	0	0
10	16.86	36.37	26.62	143.5	.014	.007
20	16.85	36.38	26.63	142.9	.029	.029
30	16.82	36.39	26.65	141.8	.043	.064
33	16.81	36.39	26.65	141.7	.047	.078

CASST NO161J LAT 21 42.6 DATE 3/15/74 TIME 1800  
 STATION 0 9 LONG 17 6.6 DPTH 36 PROBE OSU3  
 SWELL DIR 0 HT 7 PER 7 BAR 13.2 WEATHER 2  
 WIND DIR 0 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.86	36.35	26.61	144.6	0	0
10	16.83	36.39	26.62	141.3	.014	.007
20	16.83	36.39	26.65	141.7	.028	.028
30	16.82	36.40	26.66	141.1	.042	.064
34	16.82	36.40	26.66	141.2	.048	.082

CASST NO162J LAT 21 41.0 DATE 3/15/74 TIME 1900  
 STATION 0 10 LONG 17 6.0 DPTH 36 PROBE OSU3  
 SWELL DIR 0 HT 0 PER 0 BAR 0 WEATHER 0  
 WIND DIR 0 SPD 0 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.78	36.37	26.64	141.3	0	0
10	16.82	36.37	26.63	142.6	.014	.007
20	16.81	36.38	26.64	142.0	.028	.028
30	16.82	36.37	26.63	143.2	.043	.064
34	16.81	36.39	26.65	141.7	.048	.082

CASST NO163J LAT 21 39.8 DATE 3/15/74 TIME 2000  
 STATION 0 11 LONG 17 6.6 DPTH 38 PROBE OSU3  
 SWELL DIR 20 HT 9 PER 8 BAR 15.2 WEATHER 2  
 WIND DIR 20 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.83	36.38	26.65	141.1	0	0
10	16.80	36.38	26.65	141.4	.014	.007
20	16.80	36.39	26.65	141.0	.028	.028
30	16.81	36.39	26.65	141.6	.042	.063
38	16.80	36.40	26.66	140.9	.054	.102

CASST NO164J LAT 21 39.0 DATE 3/15/74 TIME 2100  
 STATION 0 12 LONG 17 6.7 DPTH 38 PROBE OSU3  
 SWELL DIR 20 HT 9 PER 8 BAR 14.9 WEATHER 2  
 WIND DIR 20 SPD 25 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.80	36.36	26.63	142.5	0	0
10	16.80	36.37	26.64	142.1	.014	.007
20	16.80	36.39	26.65	141.0	.028	.028
30	16.81	36.38	26.64	142.3	.043	.064
37	16.80	36.40	26.66	140.8	.053	.097



CAST NO165U LAT 21 38.5 DATE 3/15/74 TIME 2200  
 STATION 013 LONG 17 6.6 DPTH 38 PROBE CSU3  
 SWELL DIR 20 HT 9 PER 0 BAR 14.6 WEATHER 2  
 WIND DIR 20 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.76	36.35	26.63	142.3	0	0
10	16.79	36.36	26.63	142.6	.014	.007
20	16.79	36.36	26.63	143.0	.029	.029
30	16.79	36.37	26.64	142.6	.043	.064
37	16.79	36.37	26.64	142.8	.053	.098

CAST NO166J LAT 21 37.7 DATE 3/15/74 TIME 2245  
 STATION 014 LONG 17 6.6 DPTH 38 PROBE CSU3  
 SWELL DIR 20 HT 9 PER 0 BAR 15.2 WEATHER 2  
 WIND DIR 20 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.77	36.34	26.62	143.3	0	0
10	16.78	36.34	26.62	143.9	.014	.007
20	16.79	36.35	26.63	143.7	.029	.029
30	16.79	36.36	26.63	143.3	.043	.065
33	16.79	36.36	26.63	143.4	.047	.078

CAST NO167J LAT 21 37.8 DATE 3/16/74 TIME 30  
 STATION 015 LONG 17 7.0 DPTH 38 PROBE CSU3  
 SWELL DIR 10 HT 6 PER 6 BAR 15.2 WEATHER 2  
 WIND DIR 30 SPD 28 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

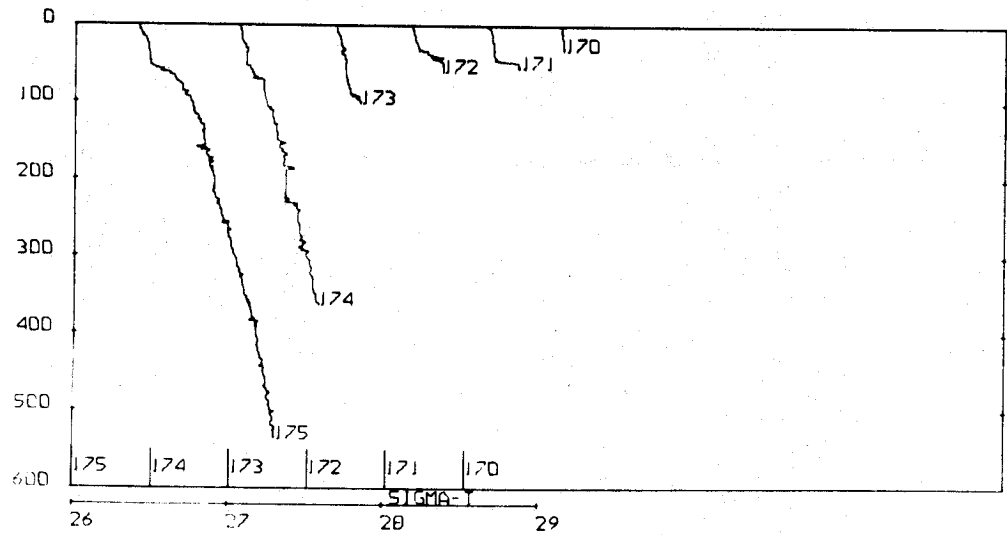
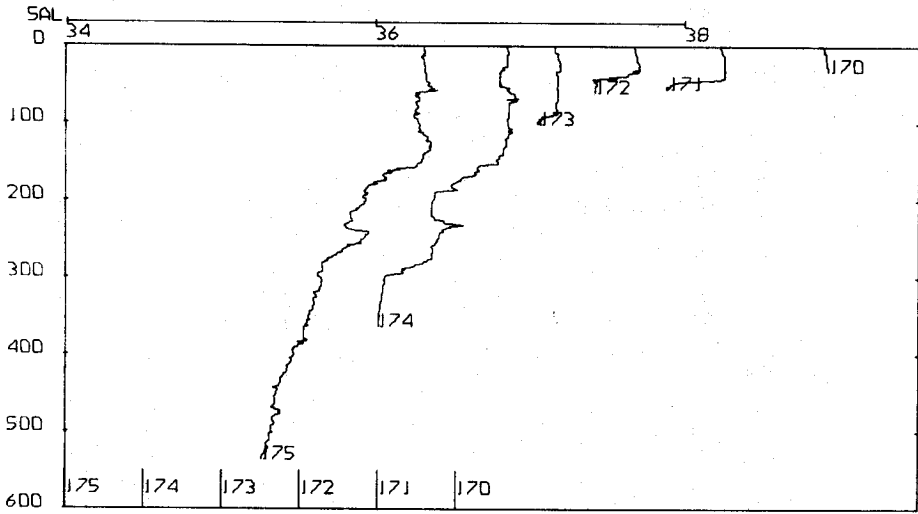
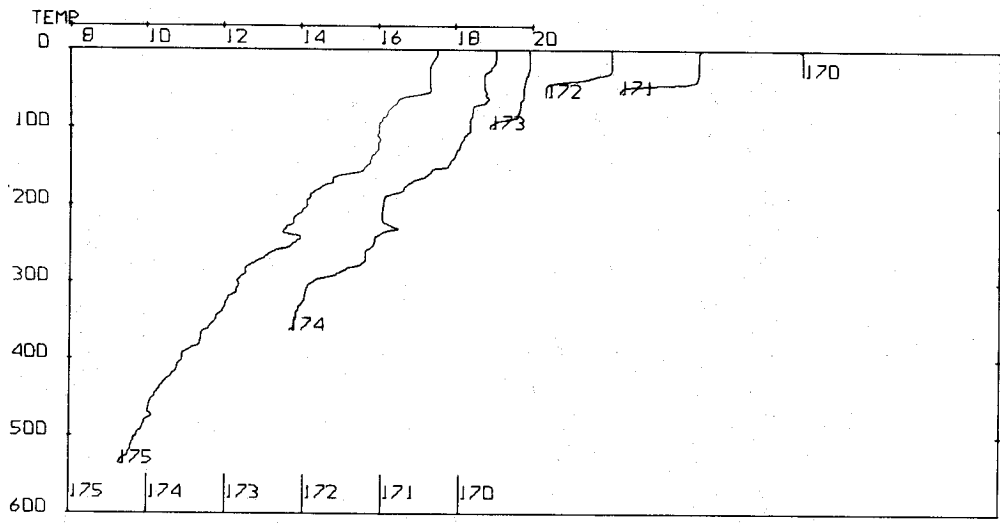
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.76	36.31	26.60	145.2	0	0
10	16.77	36.31	26.60	145.4	.015	.007
20	16.77	36.32	26.61	145.4	.029	.029
30	16.78	36.33	26.61	145.2	.044	.065
35	16.78	36.33	26.61	145.4	.051	.089

CAST NO168J LAT 21 36.3 DATE 3/16/74 TIME 245  
 STATION 016 LONG 17 8.0 DPTH 40 PROBE CSU3  
 SWELL DIR 20 HT 6 PER 6 BAR 14.6 WEATHER 2  
 WIND DIR 20 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.71	36.33	26.63	142.7	0	0
10	16.72	36.34	26.63	142.5	.014	.007
20	16.62	36.36	26.67	139.1	.028	.028
30	15.63	36.28	26.84	123.4	.042	.062
35	15.23	36.09	26.79	128.9	.048	.082

CAST NO169J LAT 21 38.5 DATE 3/16/74 TIME 520  
 STATION 017 LONG 17 8.5 DPTH 44 PROBE CSU3  
 SWELL DIR 0 HT 5 PER 6 BAR 13.9 WEATHER 2  
 WIND DIR 20 SPD 20 CLOUD TYPE - AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.64	36.32	26.64	141.8	0	0
2	16.64	36.32	26.64	141.9	.003	.000
10	16.65	36.32	26.64	142.4	.014	.007
20	16.60	36.33	26.65	140.9	.028	.028
30	15.63	36.14	26.73	133.6	.042	.063
39	14.48	35.99	26.79	128.9	.054	.104



CAST N01700 LAT 21 40.0 DATE 3/16/74 TIME 723  
 STATION L 1 LONG 17 6.0 DPTH 37 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 15.2 WEATHER 2  
 WIND DIR 20 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.21	36.38	26.64	141.3	0	0
10	16.32	36.39	26.62	143.4	.014	.007
20	16.92	36.40	26.63	143.0	.029	.029
30	16.92	36.40	26.63	143.3	.043	.064
32	15.92	36.41	26.64	142.7	.046	.073

CAST N0171J LAT 21 40.0 DATE 3/16/74 TIME 840  
 STATION L 2 LONG 17 12.0 DPTH 57 PROBE OSU3  
 SWELL DIR 20 HT 7 PER 8 BAR 15.6 WEATHER 2  
 WIND DIR 20 SPD 17 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.28	36.21	26.64	141.8	0	0
10	16.19	36.23	26.67	138.7	.014	.007
20	16.19	36.24	26.68	138.3	.028	.028
30	16.17	36.24	26.69	138.3	.042	.062
40	16.11	36.24	26.70	137.2	.055	.111
50	14.20	35.87	26.84	123.9	.069	.169
55	14.13	35.87	26.86	122.7	.075	.202

CAST N0172J LAT 21 40.0 DATE 3/16/74 TIME 930  
 STATION L 3 LONG 17 18.0 DPTH 66 PROBE OSU3  
 SWELL DIR 20 HT 8 PER 8 BAR 13.2 WEATHER 2  
 WIND DIR 20 SPD 17 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.9 WET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.33	36.16	26.67	138.8	0	0
1	15.33	36.16	26.67	138.9	.001	.000
11	15.33	36.17	26.68	138.4	.014	.007
20	15.97	36.19	26.69	137.1	.028	.028
30	15.33	36.18	26.71	136.4	.041	.062
40	14.91	36.05	26.83	125.2	.054	.108
50	14.25	35.91	26.86	122.0	.067	.163
60	14.25	35.90	26.85	123.1	.079	.231
60	14.25	35.90	26.86	123.1	.079	.231

CAST N0173D LAT 21 40.0 DATE 3/16/74 TIME 1025  
 STATION L 4 LONG 17 24.0 DPTH 100 PROBE OSU3  
 SWELL DIR 20 HT 6 PER 8 BAR 15.9 WEATHER 2  
 WIND DIR 20 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

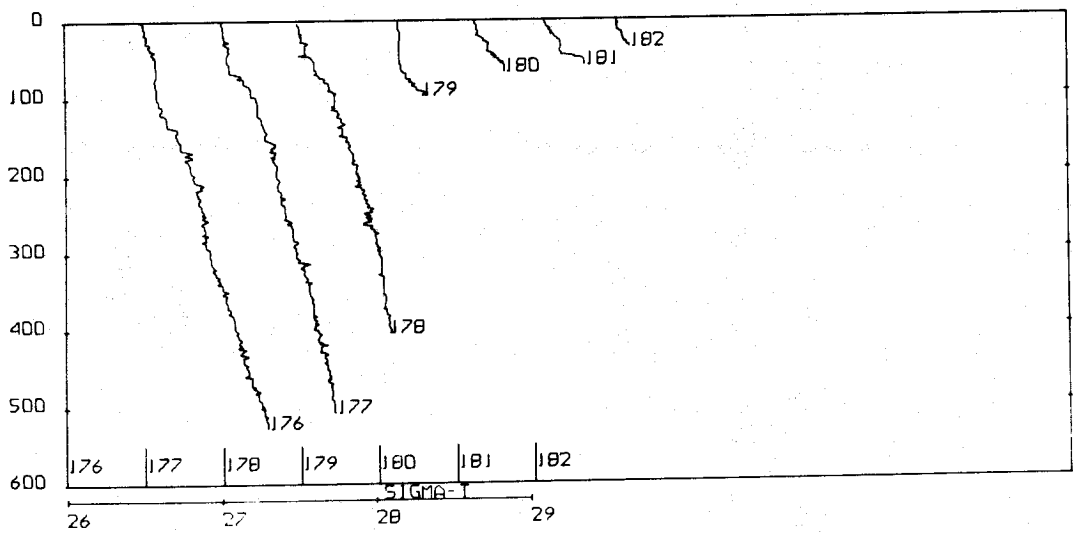
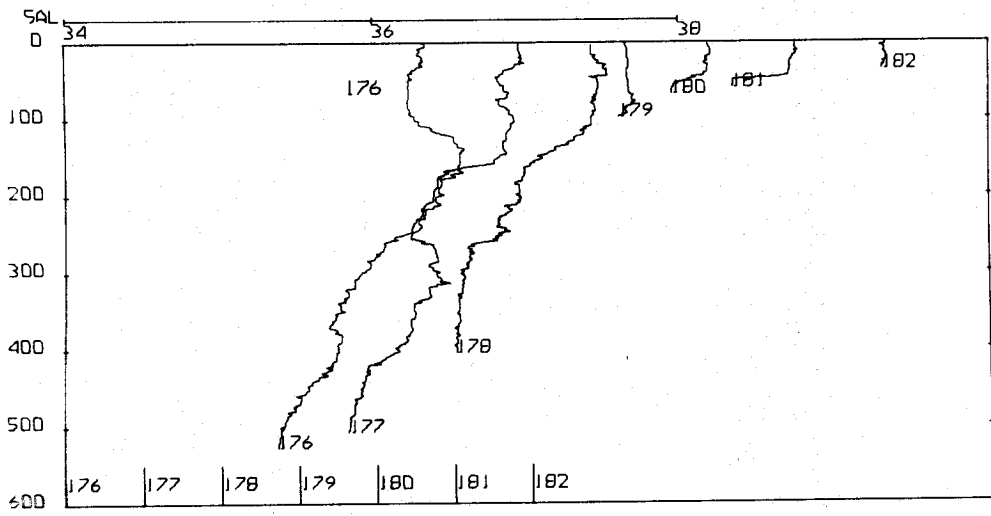
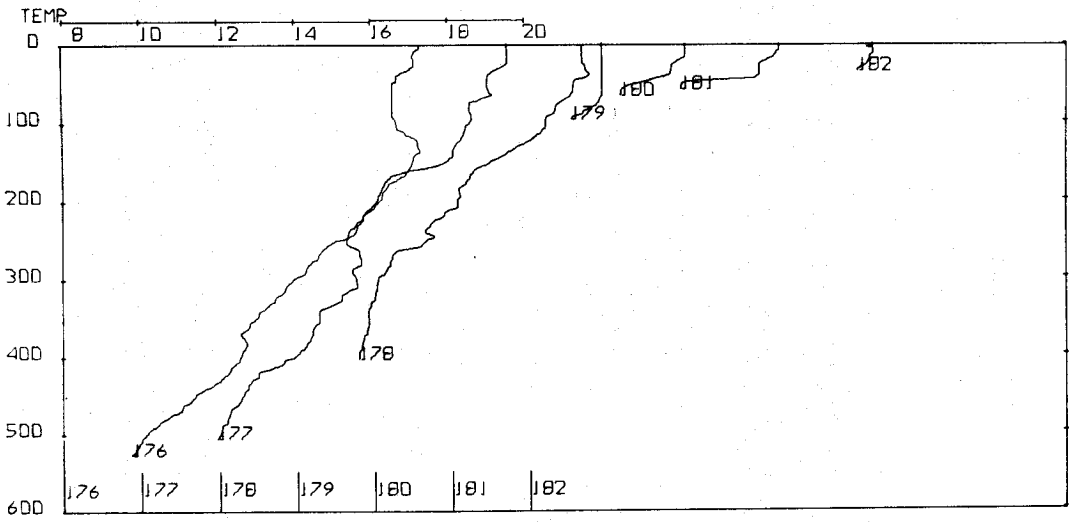
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.33	36.15	26.68	137.4	0	0
2	15.33	36.15	26.68	137.5	.003	.000
10	15.36	36.17	26.70	135.8	.014	.007
20	15.36	36.18	26.71	135.4	.027	.027
30	15.31	36.19	26.73	133.9	.041	.061
40	15.72	36.17	26.74	133.7	.054	.108
50	15.63	36.16	26.74	133.9	.068	.168
60	15.63	36.16	26.74	134.2	.081	.242
70	15.62	36.16	26.75	133.2	.094	.328
80	15.56	36.16	26.77	132.3	.108	.428
90	15.29	36.11	26.79	130.4	.121	.540
100	14.84	36.04	26.83	126.3	.133	.660
101	14.33	36.05	26.84	125.4	.135	.673

CAST N0174U LAT 21 40.0 DATE 3/16/74 TIME 1120  
 STATION L 5 LONG 17 30.0 DPTH 500 PROBE CSU3  
 SWELL DIR 20 HT 6 PER 7 BAR 15.9 WEATHER 2  
 WIND DIR 20 SPD 18 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.2 WET BULB 15.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.03	36.34	26.56	149.2	0	0
10	17.00	36.36	26.58	147.4	.015	.007
20	16.94	36.35	26.59	147.2	.030	.030
30	16.74	36.31	26.61	145.8	.044	.066
40	16.70	36.29	26.60	146.7	.059	.117
50	16.73	36.31	26.61	146.2	.073	.183
60	16.77	36.38	26.65	142.9	.088	.262
70	16.64	36.40	26.70	138.3	.102	.354
80	16.40	36.36	26.73	136.1	.116	.457
90	16.33	36.35	26.73	135.7	.129	.572
100	16.33	36.35	26.73	136.0	.143	.701
110	16.24	36.36	26.76	133.6	.156	.843
120	16.09	36.34	26.78	132.0	.170	.996
130	15.99	36.33	26.80	130.9	.183	1.160
140	15.99	36.31	26.81	130.5	.196	1.337
150	15.75	36.28	26.81	130.0	.209	1.525
160	15.25	36.15	26.83	128.9	.222	1.726
170	14.83	36.06	26.85	126.7	.235	1.936
180	14.61	35.99	26.85	127.5	.247	2.159
190	14.11	35.87	26.86	126.2	.260	2.392
200	14.07	35.86	26.86	126.4	.273	2.638
225	14.21	35.90	26.86	127.1	.304	3.311
250	13.81	35.89	26.94	120.4	.335	4.035
300	12.26	35.55	26.99	116.1	.394	5.666
363	11.66	35.51	27.08	109.4	.465	8.004

CAST N0175U LAT 21 40.5 DATE 3/16/74 TIME 1415  
 STATION LONG 17 57.0 DPTH 1200 PROBE CSU3  
 SWELL DIR 0 HT 6 PER 6 BAR 14.6 WEATHER 2  
 WIND DIR 20 SPD 13 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.0 WET BULB 15.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.52	36.31	26.42	162.6	0	0
1	17.52	36.31	26.42	162.7	.002	.000
10	17.46	36.31	26.43	161.6	.016	.008
20	17.32	36.31	26.47	158.7	.032	.032
30	17.31	36.32	26.48	158.1	.048	.072
40	17.32	36.32	26.47	158.7	.064	.127
50	17.35	36.35	26.49	157.5	.080	.198
60	16.80	36.31	26.59	148.2	.095	.283
70	16.43	36.27	26.65	143.1	.110	.377
80	16.22	36.26	26.69	139.4	.124	.482
90	16.08	36.24	26.71	133.1	.138	.600
100	15.99	36.28	26.76	133.5	.151	.729
110	15.95	36.29	26.78	132.3	.164	.868
120	15.95	36.33	26.81	129.7	.178	1.020
130	15.93	36.35	26.83	123.1	.190	1.181
140	15.78	36.31	26.83	123.0	.203	1.354
150	15.65	36.27	26.83	128.4	.216	1.539
160	15.16	36.15	26.85	126.9	.229	1.737
170	14.81	36.06	26.86	126.3	.241	1.946
180	14.41	35.97	26.88	124.3	.254	2.165
190	14.23	35.93	26.88	124.3	.266	2.395
200	14.14	35.93	26.90	122.7	.279	2.635
225	13.74	35.84	26.92	121.9	.309	3.288
250	13.75	35.90	26.96	118.4	.339	4.001
300	12.37	35.64	27.04	111.6	.397	5.974
400	10.90	35.47	27.19	93.4	.502	9.253
500	9.70	35.32	27.28	91.7	.598	13.557
536	9.25	35.26	27.31	89.4	.631	15.248



CAST NO176J LAT 21 40.0 DATE 3/16/74 TIME 2105  
 STATION L 7 LONG 17 47.0 DPTH 75.0 PROBE CSU3  
 SWELL DIR 20 HT 6 PER 7 BAR 14.2 WEATHER 2  
 WIND DIR 20 SPD 20 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.2 NET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.55	36.32	26.49	153.7	0	0
10	17.09	36.30	26.52	153.8	.015	.008
20	17.10	36.32	26.53	153.8	.031	.031
30	17.01	36.32	26.55	151.2	.046	.069
40	16.55	36.24	26.57	149.2	.061	.122
50	16.55	36.23	26.59	149.0	.076	.189
60	16.55	36.23	26.59	149.3	.091	.271
70	16.55	36.23	26.59	149.7	.106	.367
80	16.56	36.23	26.59	149.2	.121	.479
90	16.57	36.24	26.59	149.0	.136	.606
100	16.56	36.29	26.61	147.8	.151	.747
110	16.54	36.37	26.63	146.4	.165	.902
120	17.15	36.48	26.64	145.8	.180	1.072
130	17.23	36.53	26.66	144.5	.194	1.252
140	17.13	36.58	26.72	133.8	.209	1.445
150	17.05	36.56	26.72	133.7	.223	1.646
160	16.96	36.56	26.75	137.0	.236	1.860
170	16.71	36.54	26.79	133.1	.250	2.083
180	16.42	36.44	26.78	134.1	.263	2.316
190	16.27	36.42	26.80	132.5	.277	2.561
200	16.15	36.43	26.83	130.1	.290	2.818
225	15.72	36.33	26.86	127.6	.322	3.501
250	15.04	36.19	26.81	124.2	.353	4.253
300	13.93	35.92	26.93	122.4	.416	5.964
400	12.94	35.77	27.11	108.0	.531	9.988
500	10.11	35.40	27.27	92.9	.632	14.532
527	9.74	35.37	27.31	89.3	.657	15.792

100	16.50	36.41	26.74	135.4	.147	.716
110	16.43	36.39	26.74	135.7	.160	.858
120	16.14	36.35	26.77	131.3	.174	1.013
130	15.51	36.27	26.75	131.3	.187	1.179
140	15.44	36.17	26.79	131.7	.200	1.357
150	15.08	36.08	26.81	130.0	.213	1.547
160	14.57	36.00	26.84	127.4	.226	1.747
170	14.51	35.98	26.86	125.9	.239	1.956
180	14.35	35.95	26.86	125.7	.251	2.176
190	14.27	35.95	26.89	123.7	.264	2.407
200	14.20	35.95	26.90	122.5	.276	2.649
225	13.61	35.83	26.94	120.0	.307	3.297
250	13.45	35.81	26.95	119.0	.336	4.002
300	12.14	35.57	27.03	112.4	.394	5.685
400	11.62	35.53	27.10	103.1	.505	9.453
404	11.63	35.52	27.09	109.1	.509	9.627

CAST NO179J LAT 21 40.0 DATE 3/17/74 TIME 125  
 STATION L 4 LONG 17 24.0 DPTH 97 PROBE CSU3  
 SWELL DIR 0 HT 6 PER 6 BAR 13.6 WEATHER 2  
 WIND DIR 30 SPD 20 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.8 NET BULB 16.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.97	36.14	26.66	140.1	0	0
10	15.97	36.15	26.66	139.7	.014	.007
20	15.97	36.15	26.66	140.0	.028	.028
30	15.95	36.15	26.66	140.5	.042	.063
40	15.99	36.15	26.66	141.1	.056	.112
50	15.99	36.16	26.67	140.5	.070	.176
60	15.97	36.16	26.67	140.6	.084	.253
70	15.99	36.18	26.71	137.7	.098	.344
80	15.77	36.18	26.73	135.4	.112	.446
90	15.41	36.14	26.78	130.8	.125	.559
97	15.13	36.09	26.81	128.7	.134	.643

CAST NO177J LAT 21 40.0 DATE 3/16/74 TIME 2240  
 STATION L 6 LONG 17 36.0 DPTH 805 PROBE CSU3  
 SWELL DIR 20 HT 6 PER 7 BAR 14.2 WEATHER 2  
 WIND DIR 20 SPD 20 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.0 NET BULB 16.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.54	36.45	26.52	152.9	0	0
1	17.54	36.45	26.52	153.0	.002	.000
10	17.55	36.45	26.52	153.5	.015	.068
20	17.56	36.46	26.52	153.4	.031	.031
30	17.40	36.44	26.55	151.1	.046	.069
40	17.03	36.33	26.55	151.5	.061	.122
50	16.99	36.32	26.56	151.2	.076	.190
60	17.36	36.35	26.56	151.2	.091	.273
70	16.87	36.37	26.62	145.8	.106	.371
80	16.54	36.31	26.65	143.0	.121	.478
90	16.59	36.38	26.70	139.3	.135	.598
100	16.55	36.42	26.73	136.3	.149	.729
110	16.41	36.39	26.74	135.4	.162	.871
120	16.32	36.37	26.75	135.0	.176	1.027
130	16.16	36.34	26.77	133.9	.189	1.195
140	16.10	36.35	26.79	132.2	.202	1.374
150	15.95	36.31	26.79	132.1	.215	1.564
160	15.34	36.17	26.82	129.3	.228	1.765
170	14.48	35.96	26.85	127.0	.241	1.975
190	14.32	35.92	26.85	126.6	.254	2.197
190	14.22	35.90	26.86	126.3	.266	2.430
200	14.13	35.89	26.87	125.5	.279	2.675
225	13.72	35.81	26.90	123.4	.310	3.337
250	13.33	35.74	26.92	121.7	.341	4.066
300	13.63	35.91	26.99	116.7	.400	5.694
400	11.98	35.65	27.12	106.0	.510	9.533
500	10.22	35.34	27.24	95.7	.610	14.027
507	9.94	35.33	27.25	95.2	.617	14.365

CAST NO150U LAT 21 40.0 DATE 3/17/74 TIME 239  
 STATION L 3 LONG 17 18.0 DPTH 68 PROBE CSU3  
 SWELL DIR 0 HT 5 PER 6 BAR 13.2 WEATHER 2  
 WIND DIR 20 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.3 NET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.11	36.17	26.65	141.0	0	0
1	16.11	36.17	26.65	141.0	.001	.000
10	16.11	36.19	26.66	133.8	.014	.007
20	15.99	36.16	26.67	139.7	.028	.028
30	15.73	36.17	26.73	133.6	.042	.062
40	15.89	36.16	26.74	133.8	.055	.109
50	14.94	36.02	26.80	128.3	.068	.168
60	14.42	35.93	26.84	124.4	.081	.237
67	14.40	35.93	26.85	124.2	.089	.292

CAST NO181J LAT 21 40.0 DATE 3/17/74 TIME 330  
 STATION L 2 LONG 17 12.0 DPTH 58 PROBE CSU3  
 SWELL DIR 0 HT 5 PER 6 BAR 13.6 WEATHER 2  
 WIND DIR 20 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.5 NET BULB 16.2

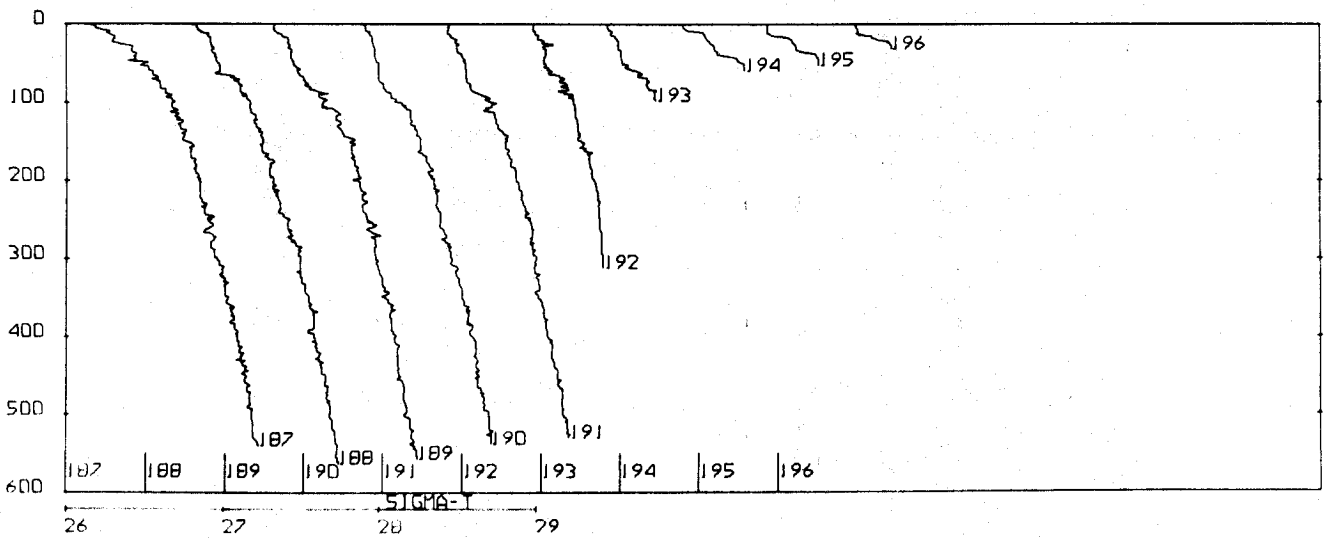
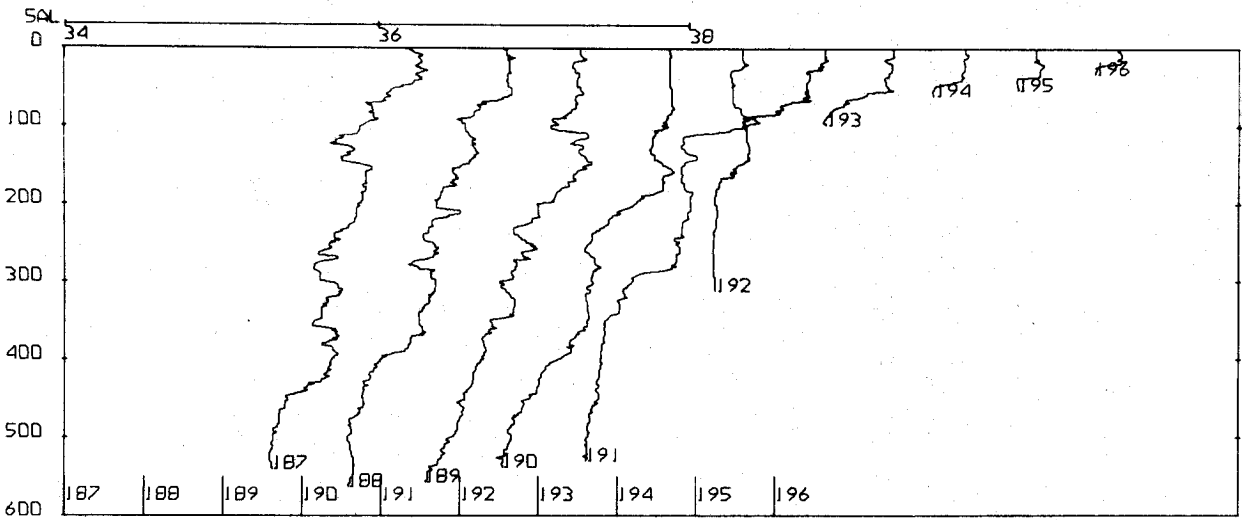
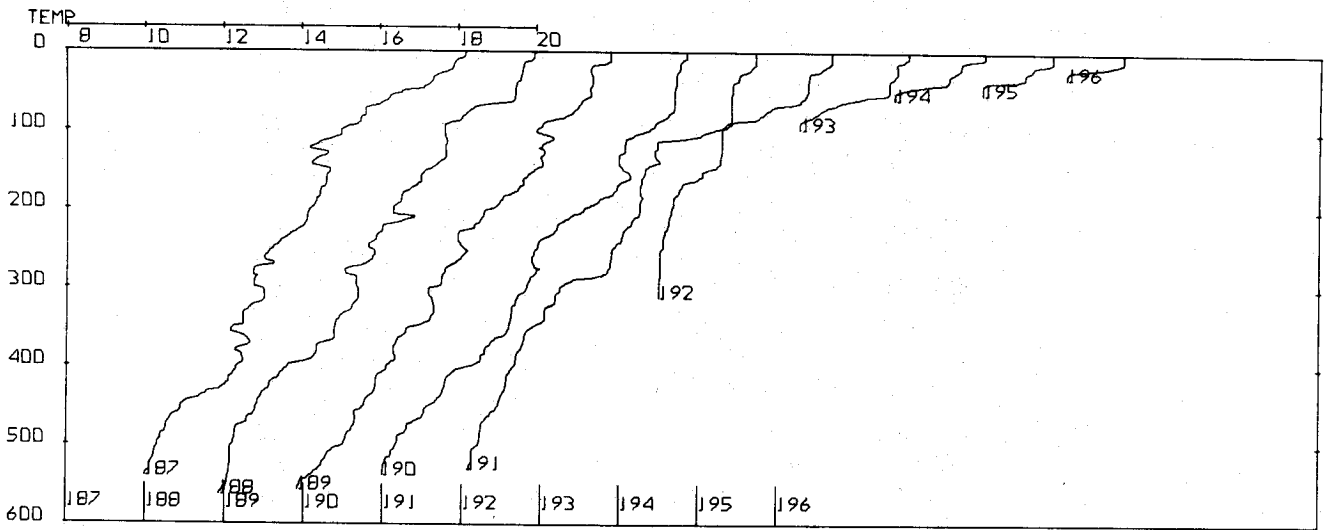
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.54	36.24	26.60	145.4	0	0
1	16.54	36.24	26.60	145.4	.001	.000
10	16.48	36.23	26.61	144.8	.015	.007
20	16.21	36.22	26.66	149.3	.029	.029
30	15.99	36.20	26.70	137.1	.043	.063
40	15.99	36.19	26.69	138.2	.056	.111
50	14.03	35.82	26.84	124.2	.070	.171
59	13.95	35.82	26.86	122.8	.081	.231

CAST NO178J LAT 21 40.0 DATE 3/17/74 TIME 10  
 STATION L 5 LONG 17 30.0 DPTH 426 PROBE CSU3  
 SWELL DIR 0 HT 6 PER 6 BAR 14.2 WEATHER 2  
 WIND DIR 20 SPD 20 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.5 NET BULB 16.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.44	36.42	26.51	153.7	0	0
4	17.44	36.42	26.51	153.9	.006	.001
10	17.47	36.42	26.51	153.1	.015	.008
20	17.44	36.44	26.53	152.9	.031	.031
30	17.56	36.50	26.55	150.8	.046	.069
40	17.66	36.52	26.55	152.0	.061	.122
50	17.22	36.46	26.61	146.5	.076	.189
60	17.19	36.46	26.61	146.2	.091	.271
70	17.05	36.45	26.64	144.0	.105	.364
80	16.76	36.44	26.70	138.5	.119	.470
90	16.70	36.44	26.72	137.4	.133	.547

CAST NO192J LAT 21 40.0 DATE 3/17/74 TIME 444  
 STATION L 1 LONG 17 6.0 DPTH 38 PROBE CSU3  
 SWELL DIR 0 HT 3 PER 5 BAR 0 WEATHER 2  
 WIND DIR 30 SPD 14 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.0 NET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.98	36.33	26.56	148.8	0	0
10	16.98	36.33	26.56	149.1	.015	.007
20	16.96	36.34	26.60	146.0	.030	.030
30	16.65	36.31	26.63	143.8	.044	.066
36	16.56	36.31	26.65	141.9	.053	.094



CAST NO197J LAT 21 40.0 DATE 3/24/74 TIME 1646  
 STATION LONG 17 56.0 DPTH 1155 PROBE OSU3  
 SWELL DIR 340 HT 4 PER 6 BAR 9.8 WEATHER 2  
 WIND DIR 320 SPD 14 CLOUD TYPE 7- 0 AMOUNT 2  
 AIR TEMP 18.8 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.20	36.17	26.14	188.8	0	0
10	17.97	36.26	26.27	177.1	.018	.009
20	17.94	36.26	26.30	174.4	.036	.035
30	17.42	36.25	26.40	165.5	.053	.078
40	17.26	36.25	26.44	162.4	.069	.135
50	16.55	36.11	26.50	156.7	.085	.207
60	16.20	36.06	26.54	152.9	.101	.293
70	15.73	35.92	26.54	153.1	.116	.391
80	15.60	35.96	26.60	147.7	.131	.502
90	15.44	35.98	26.65	143.1	.145	.626
100	14.37	35.88	26.68	140.7	.159	.760
110	14.74	35.83	26.69	139.8	.174	.908
120	14.23	35.68	26.69	140.5	.188	1.069
130	14.63	35.84	26.73	137.4	.202	1.245
140	14.23	35.76	26.75	135.2	.215	1.428
150	14.71	35.94	26.79	132.4	.229	1.624
160	14.59	35.92	26.80	131.2	.242	1.827
170	14.58	35.92	26.80	131.7	.255	2.045
180	14.45	35.91	26.82	130.0	.268	2.273
190	14.35	35.90	26.83	129.0	.281	2.512
200	14.18	35.88	26.85	127.2	.294	2.762
225	13.89	35.82	26.87	126.3	.326	3.438
250	13.23	35.69	26.91	123.3	.357	4.179
300	12.92	35.74	27.01	115.0	.418	5.853
400	12.31	35.69	27.09	109.5	.531	9.817
500	10.29	35.33	27.19	101.2	.636	14.529
540	9.97	35.32	27.23	97.2	.676	16.608

CAST NO199J LAT 21 40.0 DATE 3/24/74 TIME 1939  
 STATION LONG 17 44.3 DPTH 887 PROBE OSU3  
 SWELL DIR 340 HT 5 PER 7 BAR 10.5 WEATHER 1  
 WIND DIR 330 SPD 14 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 18.1 WET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.96	36.29	26.32	172.0	0	0
10	17.96	36.29	26.32	172.1	.002	.000
20	17.35	36.30	26.33	171.4	.017	.009
30	17.33	36.23	26.40	164.7	.034	.034
40	17.43	36.26	26.40	165.2	.050	.075
50	17.35	36.27	26.43	162.7	.067	.132
60	17.35	36.28	26.44	162.6	.083	.205
70	17.16	36.26	26.47	160.0	.099	.294
80	17.01	36.26	26.50	156.9	.115	.397
90	16.75	36.23	26.55	153.3	.131	.513
100	16.12	36.11	26.60	148.5	.146	.641
110	15.94	36.10	26.63	145.6	.160	.781
120	16.38	35.32	26.70	139.9	.175	.932
130	16.08	36.25	26.72	138.4	.188	1.091
140	16.11	36.29	26.74	136.4	.202	1.262
150	16.11	36.32	26.76	134.6	.216	1.444
160	15.88	36.31	26.81	130.6	.229	1.637
170	15.64	36.25	26.81	130.3	.242	1.839
180	15.53	36.22	26.82	130.1	.255	2.054
190	15.30	36.17	26.83	129.1	.268	2.279
200	15.01	36.12	26.86	126.8	.281	2.515
225	14.69	36.01	26.84	128.3	.293	2.763
250	14.23	35.94	26.89	124.6	.325	3.428
300	14.14	35.95	26.92	122.7	.356	4.164
400	13.19	35.78	26.98	117.4	.415	5.802
500	12.12	35.65	27.10	108.7	.528	9.747
557	9.84	35.45	27.16	104.5	.634	14.508
		35.29	27.23	97.5	.691	17.499

CAST NO188J LAT 21 40.0 DATE 3/24/74 TIME 1804  
 STATION LONG 17 54.0 DPTH 998 PROBE OSU3  
 SWELL DIR 340 HT 4 PER 6 BAR 10.5 WEATHER 2  
 WIND DIR 350 SPD 12 CLOUD TYPE 7- 0 AMOUNT 2  
 AIR TEMP 18.4 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.04	36.29	26.27	176.3	0	0
10	17.94	36.33	26.35	169.4	.017	.009
20	17.60	36.34	26.42	163.0	.034	.033
30	17.56	36.35	26.44	161.7	.050	.074
40	17.46	36.32	26.44	162.0	.066	.131
50	17.42	36.34	26.47	159.9	.082	.203
60	17.39	36.34	26.47	159.5	.098	.291
70	16.39	36.15	26.57	150.7	.114	.392
80	16.13	36.11	26.60	148.4	.129	.503
90	15.74	36.04	26.63	145.0	.143	.628
100	15.63	36.05	26.66	142.4	.158	.764
110	15.69	36.09	26.68	141.1	.172	.914
120	15.63	36.10	26.70	139.4	.186	1.075
130	15.68	36.12	26.71	139.4	.200	1.250
140	15.48	36.10	26.74	136.8	.214	1.436
150	15.14	36.02	26.75	135.6	.227	1.633
160	15.03	35.98	26.75	136.5	.241	1.845
170	14.87	35.98	26.78	133.4	.254	2.068
180	14.85	35.91	26.80	132.1	.268	2.298
190	14.49	35.88	26.79	133.3	.291	2.544
200	14.31	35.86	26.81	131.4	.294	2.801
225	14.11	35.84	26.86	127.4	.327	3.491
250	13.76	35.82	26.89	124.7	.359	4.242
300	13.43	35.86	27.00	116.3	.418	5.893
400	11.59	35.51	27.09	109.0	.531	9.843
500	10.16	35.30	27.19	101.1	.636	14.528
563	9.86	35.30	27.24	97.3	.698	17.823

CAST NO190J LAT 21 40.0 DATE 3/24/74 TIME 2125  
 STATION LONG 17 42.0 DPTH 780 PROBE OSU3  
 SWELL DIR 340 HT 6 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 340 SPD 15 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 17.8 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.80	36.35	26.38	166.3	0	0
10	17.66	36.36	26.42	162.6	.017	.008
20	17.59	36.36	26.44	161.3	.033	.033
30	17.51	36.35	26.45	160.5	.049	.073
40	17.50	36.36	26.46	159.9	.065	.129
50	17.45	36.37	26.48	158.4	.081	.200
60	17.45	36.37	26.48	158.7	.097	.288
70	17.45	36.37	26.48	159.0	.112	.391
80	17.29	36.37	26.52	155.7	.128	.509
90	16.98	36.33	26.56	151.8	.144	.649
100	16.75	36.33	26.62	146.9	.159	.783
110	16.22	36.26	26.69	140.4	.173	.934
120	16.18	36.24	26.68	141.3	.187	1.096
130	16.05	36.25	26.72	138.0	.201	1.273
140	16.05	36.25	26.72	138.3	.215	1.459
150	16.20	36.32	26.74	136.9	.229	1.658
160	16.32	36.36	26.75	136.6	.242	1.869
170	16.00	36.32	26.79	133.1	.256	2.092
180	15.97	36.31	26.81	131.3	.269	2.324
190	15.49	36.19	26.80	132.0	.282	2.567
200	15.13	36.13	26.83	129.4	.295	2.822
225	14.44	35.96	26.86	127.5	.328	3.504
250	13.92	35.84	26.88	126.4	.359	4.259
300	13.66	35.86	26.95	121.0	.421	5.962
400	12.12	35.63	27.08	110.1	.536	9.977
500	10.31	35.33	27.18	101.5	.639	14.608
538	9.97	35.28	27.20	100.1	.677	16.597

CAST NO191J LAT 21 40.0 DATE 3/24/74 TIME 2255  
 STATION L06 LONG 17 36.0 DPTH 64 PROBE CSU3  
 SWELL DIR 350 HT 4 PER 7 BAR 10.8 WEATHER 2  
 WIND DIR 360 SPD 12 CLOUD TYPE 6-0 AMOUNT 1  
 AIR TEMP 17.6 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.53	36.32	26.42	162.1	0	0
10	17.54	36.31	26.41	163.4	.016	.008
20	17.41	36.33	26.46	159.3	.033	.032
30	17.09	36.24	26.47	154.6	.048	.072
40	16.92	36.25	26.52	154.6	.064	.127
50	16.91	36.24	26.51	155.4	.080	.197
60	16.98	36.25	26.53	154.3	.095	.282
70	16.97	36.26	26.54	153.7	.111	.382
80	16.92	36.31	26.57	151.3	.126	.496
90	16.93	36.36	26.60	148.5	.141	.625
100	16.40	36.31	26.69	140.5	.155	.760
110	15.67	35.94	26.57	151.6	.169	.909
120	15.03	35.94	26.71	138.2	.183	1.070
130	14.95	35.93	26.72	137.5	.197	1.242
140	15.38	36.03	26.77	133.3	.211	1.424
150	14.69	35.93	26.78	132.7	.224	1.616
160	14.60	35.93	26.80	131.1	.237	1.821
170	14.56	35.93	26.81	130.6	.250	2.038
180	14.59	35.95	26.82	130.0	.263	2.265
190	14.56	35.98	26.85	127.5	.276	2.503
200	14.55	35.99	26.85	127.3	.289	2.751
225	14.17	35.93	26.89	124.1	.320	3.417
250	13.86	35.90	26.94	120.7	.351	4.145
300	12.51	35.60	26.98	117.1	.410	5.784
400	11.29	35.41	27.07	110.9	.525	9.796
500	10.39	35.32	27.16	103.6	.632	14.588
530	10.15	35.31	27.19	100.8	.662	16.163

CAST NO192J LAT 21 40.0 DATE 3/25/74 TIME 100  
 STATION L05 LONG 17 30.0 DPTH 311 PROBE OSU3  
 SWELL DIR 270 HT 4 PER 6 BAR 10.5 WEATHER 1  
 WIND DIR 350 SPD 8 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.47	36.35	26.46	158.6	0	0
10	17.47	36.35	26.46	158.9	.016	.008
20	17.22	36.32	26.50	155.7	.032	.032
30	16.85	36.22	26.51	154.8	.047	.070
40	16.82	36.23	26.53	153.8	.062	.124
50	16.92	36.23	26.53	154.1	.078	.193
60	16.67	36.21	26.55	152.1	.093	.277
70	15.92	36.10	26.64	144.2	.108	.374
80	15.68	36.04	26.65	143.6	.122	.482
90	14.76	35.83	26.69	139.6	.137	.602
100	14.62	35.81	26.70	138.5	.150	.734
110	14.62	35.84	26.73	136.6	.164	.878
120	14.63	35.85	26.73	136.4	.178	1.035
130	14.60	35.86	26.75	135.3	.191	1.205
140	14.57	35.86	26.75	135.0	.205	1.388
150	14.24	35.78	26.76	134.4	.219	1.585
160	14.31	35.75	26.79	132.1	.232	1.791
170	13.59	35.67	26.82	129.7	.245	2.006
180	13.50	35.64	26.81	130.4	.258	2.233
190	13.34	35.63	26.83	129.0	.271	2.470
200	13.34	35.64	26.84	127.8	.283	2.720
225	13.22	35.65	26.88	125.4	.315	3.391
250	13.07	35.62	26.88	125.3	.346	4.136
300	13.02	35.63	26.90	125.0	.409	5.852
312	13.02	35.64	26.91	124.5	.424	6.311

CAST NO193J LAT 21 40.0 DATE 3/25/74 TIME 158  
 STATION L04 LONG 17 24.0 DPTH 131 PROBE CSU3  
 SWELL DIR 270 HT 4 PER 6 BAR 9.8 WEATHER 2  
 WIND DIR 350 SPD 9 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.7 WET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.42	36.29	26.43	161.8	0	0
10	17.30	36.28	26.45	160.1	.016	.008
20	17.12	36.27	26.48	157.0	.032	.032
30	17.04	36.26	26.50	156.2	.048	.071
40	16.91	36.24	26.51	155.1	.063	.125
50	16.90	36.25	26.52	154.5	.079	.195
60	16.06	36.09	26.60	147.6	.094	.277
70	15.28	35.97	26.68	139.8	.108	.371
80	14.95	35.88	26.69	139.8	.122	.476
90	14.60	35.83	26.72	136.3	.136	.593
98	14.61	35.85	26.74	135.3	.147	.695

CAST NO194J LAT 21 40.0 DATE 3/25/74 TIME 330  
 STATION L03 LONG 17 18.0 DPTH 62 PROBE CSU3  
 SWELL DIR 270 HT 4 PER 6 BAR 9.1 WEATHER 2  
 WIND DIR 350 SPD 6 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.7 WET BULB 14.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.36	36.25	26.41	163.3	0	0
10	17.01	36.25	26.50	155.6	.016	.008
20	16.71	36.25	26.57	149.2	.031	.031
30	16.45	36.22	26.61	145.8	.046	.067
40	16.30	36.22	26.64	142.8	.061	.118
50	15.08	36.04	26.78	129.8	.074	.178
60	15.01	36.05	26.80	127.9	.087	.249
60	15.01	36.05	26.81	127.9	.087	.249

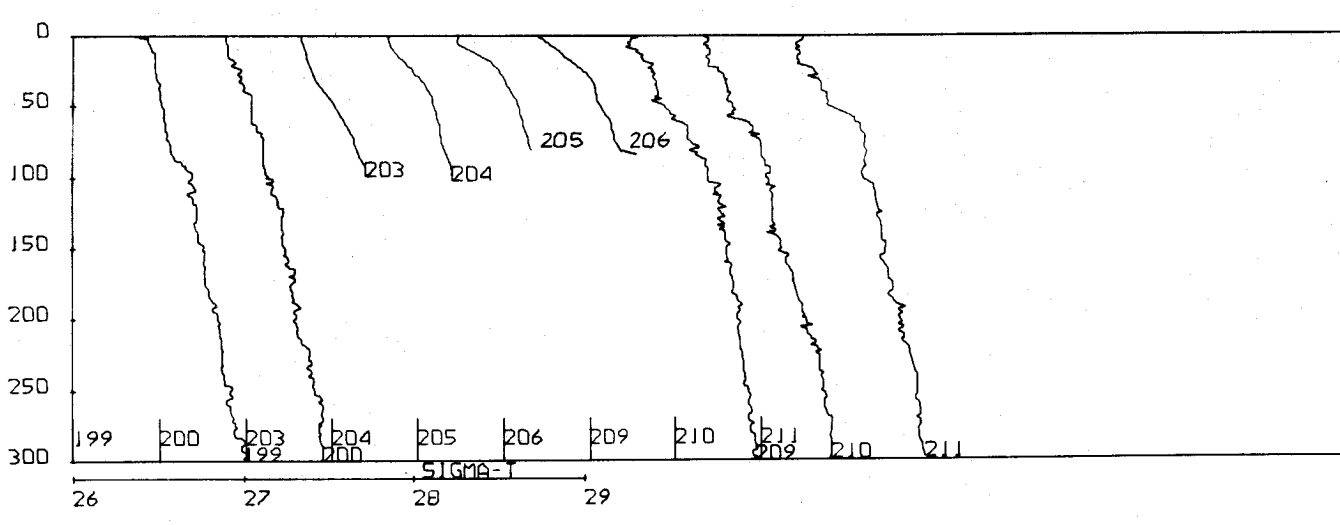
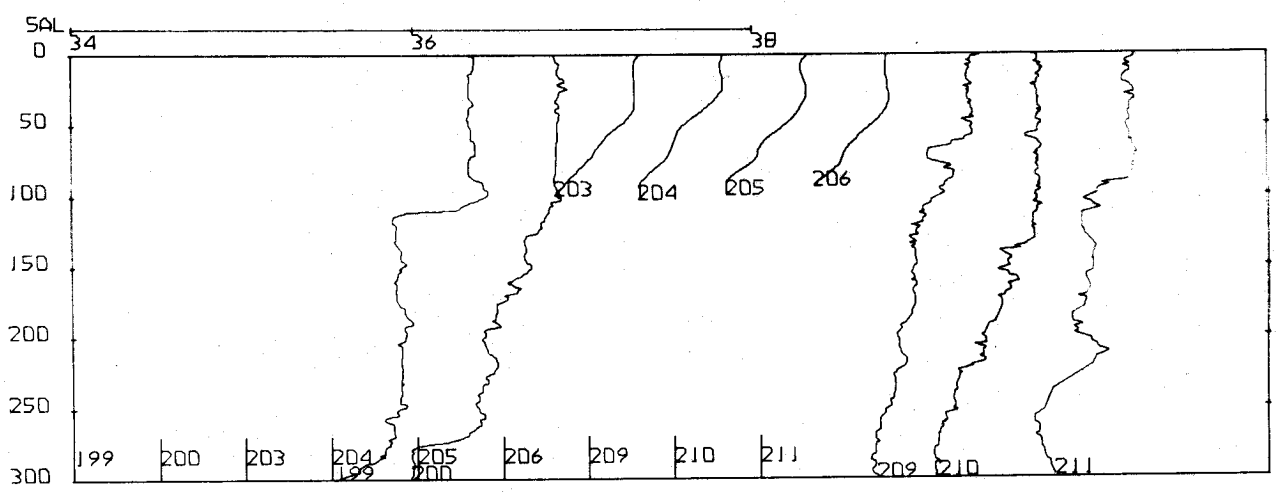
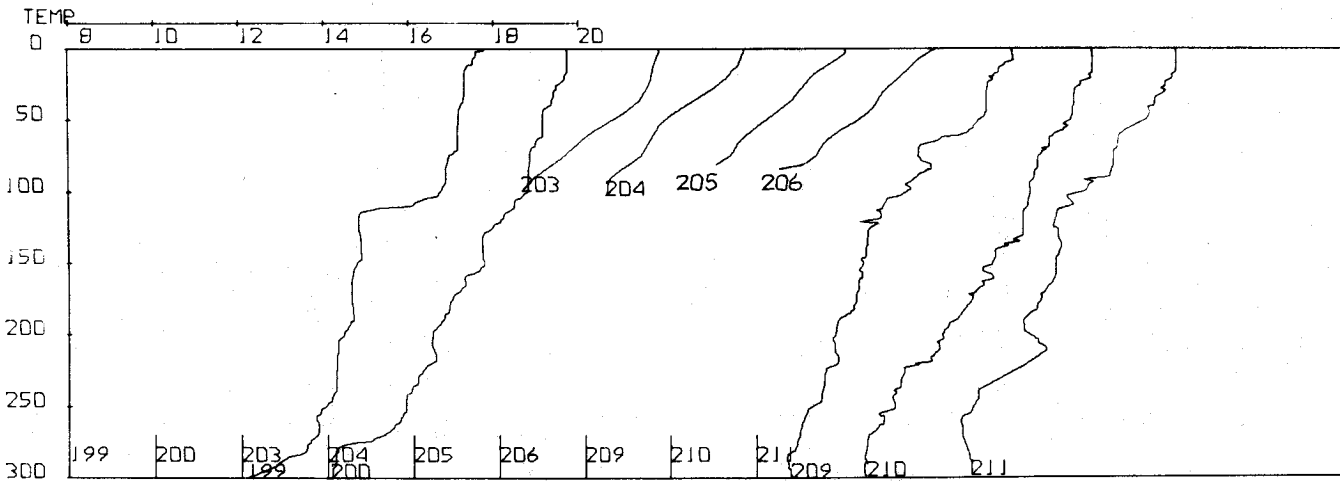
CAST NO195D LAT 21 40.0 DATE 3/25/74 TIME 419  
 STATION L02 LONG 17 12.0 DPTH 55 PROBE OSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 9.8 WEATHER 2  
 WIND DIR 350 SPD 8 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.10	36.20	26.44	161.0	0	0
10	17.10	36.20	26.44	161.3	.016	.008
20	16.56	36.24	26.60	146.5	.032	.031
30	16.37	36.22	26.63	144.0	.046	.067
40	15.28	36.07	26.76	131.6	.060	.116
50	15.28	36.08	26.77	131.1	.073	.175
53	15.28	36.08	26.77	131.2	.077	.195

CAST NO196U LAT 21 40.0 DATE 3/25/74 TIME 530  
 STATION L01 LONG 17 6.0 DPTH 34 PROBE CSU3  
 SWELL DIR 0 HT 4 PER 6 BAR 10.2 WEATHER 3  
 WIND DIR 350 SPD 8 CLOUD TYPE 8-0 AMOUNT 2  
 AIR TEMP 17.5 WET BULB 14.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.91	36.22	26.50	155.2	0	0
10	16.90	36.24	26.51	153.8	.015	.008
20	16.06	36.17	26.65	140.9	.030	.030
30	15.41	36.07	26.73	134.0	.044	.064
32	15.41	36.07	26.73	134.1	.046	.072





CAST NO199J LAT 21 40.0 DATE 3/25/74 TIME 2000  
 STATION 301 LONG 17 30.0 DPTH 573 PROBE OSU3  
 SWELL DIR 340 HT 4 PER 7 BAR 11.2 WEATHER 1  
 WIND DIR 330 SPD 9 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 18.2 WET BULB 14.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.77	36.33	26.37	167.0	0	0
10	17.49	36.35	26.46	159.4	.016	.008
20	17.29	36.33	26.49	156.6	.032	.032
30	17.29	36.33	26.49	156.9	.047	.071
40	17.19	36.33	26.51	154.9	.063	.125
50	17.13	36.32	26.52	154.6	.078	.195
60	17.15	36.36	26.55	152.4	.094	.279
70	17.13	36.36	26.55	152.4	.109	.378
80	16.84	36.32	26.58	149.9	.124	.491
90	16.89	36.36	26.61	147.6	.139	.616
100	16.73	36.42	26.70	139.2	.153	.751
110	16.65	36.19	26.68	141.7	.167	.896
120	14.42	35.88	26.72	138.0	.181	1.057
130	14.95	35.90	26.72	137.6	.195	1.229
140	14.88	35.93	26.74	136.4	.208	1.414
150	14.75	35.93	26.77	134.0	.222	1.611
160	14.63	35.89	26.76	134.6	.235	1.819
170	14.51	35.90	26.78	133.8	.249	2.040
180	14.67	35.95	26.80	131.7	.262	2.273
190	14.65	35.98	26.83	129.3	.275	2.516
200	14.43	35.94	26.85	128.0	.288	2.766
225	14.24	35.93	26.88	125.5	.320	3.441
250	13.97	35.92	26.93	121.4	.351	4.183
300	12.15	35.49	26.97	118.4	.411	5.824
400	11.06	35.36	27.07	110.3	.527	9.885
500	10.31	35.31	27.17	103.0	.633	14.645
550	9.84	35.23	27.19	101.8	.684	17.353

CAST NO200J LAT 21 40.0 DATE 3/26/74 TIME 100  
 STATION 302 LONG 17 30.0 DPTH 570 PROBE OSU3  
 SWELL DIR 340 HT 5 PER 7 BAR 11.2 WEATHER 2  
 WIND DIR 340 SPD 8 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 18.9 WET BULB 16.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.69	36.33	26.39	165.1	0	0
10	17.68	36.34	26.40	164.5	.016	.008
20	17.51	36.37	26.44	161.1	.033	.033
30	17.37	36.33	26.47	158.7	.049	.073
40	17.24	36.35	26.51	154.9	.064	.128
50	17.39	36.34	26.54	152.3	.080	.196
60	17.09	36.34	26.55	152.6	.095	.280
70	16.84	36.33	26.60	147.9	.110	.378
80	16.74	36.33	26.61	146.9	.125	.488
90	16.76	36.33	26.62	146.9	.139	.613
100	16.72	36.36	26.65	144.0	.154	.751
110	16.44	36.29	26.66	143.2	.168	.902
120	16.11	36.25	26.71	139.0	.182	1.063
130	15.70	36.15	26.73	137.6	.196	1.235
140	15.70	36.15	26.73	137.9	.210	1.420
150	15.75	36.19	26.75	136.4	.224	1.620
160	15.26	36.08	26.77	134.1	.237	1.830
170	15.12	36.07	26.80	132.2	.251	2.051
180	14.99	35.98	26.78	133.9	.264	2.285
190	14.72	35.98	26.91	131.0	.277	2.531
200	14.51	35.91	26.81	131.9	.290	2.788
225	14.25	35.95	26.89	124.3	.323	3.473
250	13.86	35.88	26.92	122.2	.354	4.211
300	12.10	35.48	26.97	118.2	.414	5.854
400	11.55	35.41	27.02	115.6	.530	9.933
500	10.67	35.33	27.17	107.9	.640	14.891
511	10.62	35.34	27.14	106.5	.652	15.489

CAST NO203 LAT 21 40.0 DATE 3/26/74 TIME 1230  
 STATION A02 LONG 17 24.0 DPTH 99 PROBE STD  
 SWELL DIR 330 HT 5 PER 6 BAR 10.8 WEATHER 3  
 WIND DIR 330 SPD 7 CLOUD TYPE 0- 0 AMOUNT 1  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.95	36.32	26.35	169.6	0	0
10	17.70	36.29	26.36	168.6	.017	.008
20	17.63	36.30	26.38	166.5	.034	.034
30	17.49	36.30	26.42	163.7	.050	.075
40	17.20	36.28	26.47	159.0	.066	.131
50	16.70	36.20	26.53	153.5	.082	.202
60	16.15	36.11	26.59	148.2	.097	.285
70	15.75	36.04	26.63	144.6	.112	.380
80	15.34	35.97	26.67	141.5	.126	.487
90	14.87	35.88	26.70	138.3	.140	.606
99	14.60	35.82	26.72	137.3	.152	.722

CAST NO204 LAT 21 40.0 DATE 3/26/74 TIME 1326  
 STATION A03 LONG 17 25.4 DPTH 103 PROBE STD  
 SWELL DIR 340 HT 6 PER 7 BAR 10.5 WEATHER 2  
 WIND DIR 290 SPD 8 CLOUD TYPE 0- 0 AMOUNT 1  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.81	36.31	26.35	169.4	0	0
10	17.66	36.30	26.38	166.9	.017	.008
20	17.38	36.31	26.45	160.2	.033	.033
30	16.94	36.27	26.53	153.2	.049	.072
40	16.40	36.18	26.58	148.3	.064	.125
50	15.92	36.07	26.61	145.9	.079	.191
60	15.65	36.02	26.64	143.8	.093	.270
70	15.46	35.99	26.65	142.4	.107	.363
80	15.12	35.92	26.68	140.3	.122	.469
90	14.66	35.82	26.70	138.3	.136	.588
100	14.57	35.82	26.72	136.9	.149	.718
102	14.56	35.81	26.72	137.3	.152	.746

CAST NO205 LAT 21 40.0 DATE 3/26/74 TIME 1504  
 STATION A04 LONG 17 25.4 DPTH 103 PROBE STD  
 SWELL DIR 340 HT 6 PER 6 BAR 10.5 WEATHER 2  
 WIND DIR 290 SPD 8 CLOUD TYPE 0- 0 AMOUNT 1  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.18	36.30	26.25	178.9	0	0
10	17.80	36.26	26.31	173.0	.018	.009
20	17.33	36.29	26.45	160.5	.034	.034
30	17.05	36.29	26.52	154.3	.050	.073
40	16.71	36.24	26.56	150.2	.065	.126
50	16.27	36.16	26.60	146.8	.080	.193
60	15.82	36.05	26.62	145.3	.095	.273
70	15.53	36.00	26.65	143.2	.109	.367
80	15.14	35.89	26.65	143.3	.123	.473
90		35.82				
99		35.82				

CAST NO206 LAT 21 40.0 DATE 3/26/74 TIME 1627  
 STATION A05 LONG 17 25.4 DPTH 95 PROBE STD  
 SWELL DIR 340 HT 6 PER 7 BAR 10.5 WEATHER 3  
 WIND DIR 290 SPD 6 CLOUD TYPE 0- 7 AMOUNT 2  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.25	36.27	26.21	182.7	0	0
10	17.74	36.26	26.33	171.6	.018	.009
20	17.39	36.28	26.42	162.7	.034	.034
30	17.02	36.28	26.52	154.3	.050	.073
40	16.79	36.25	26.55	151.3	.065	.127
50	16.40	36.18	26.59	148.3	.080	.194
60	15.85	36.07	26.63	144.5	.095	.275
70	15.52	36.01	26.66	142.3	.109	.368
80	15.18	35.98	26.71	137.1	.123	.473
90		35.85				
93		35.83				

CST N0200J LAT 21 36.3 DATE 3/27/74 TIME 30  
 STATION 001 LONG 17 45.0 DPTH 685 PROBE OSU2  
 SWELL DIR 310 HT 5 PER 7 BAR 13.2 WEATHER 2  
 WIND DIR 290 SPD 6 CLOUD TYPE 0-0 AMOUNT 1  
 AIR TEMP 18.6 WET BULB 0

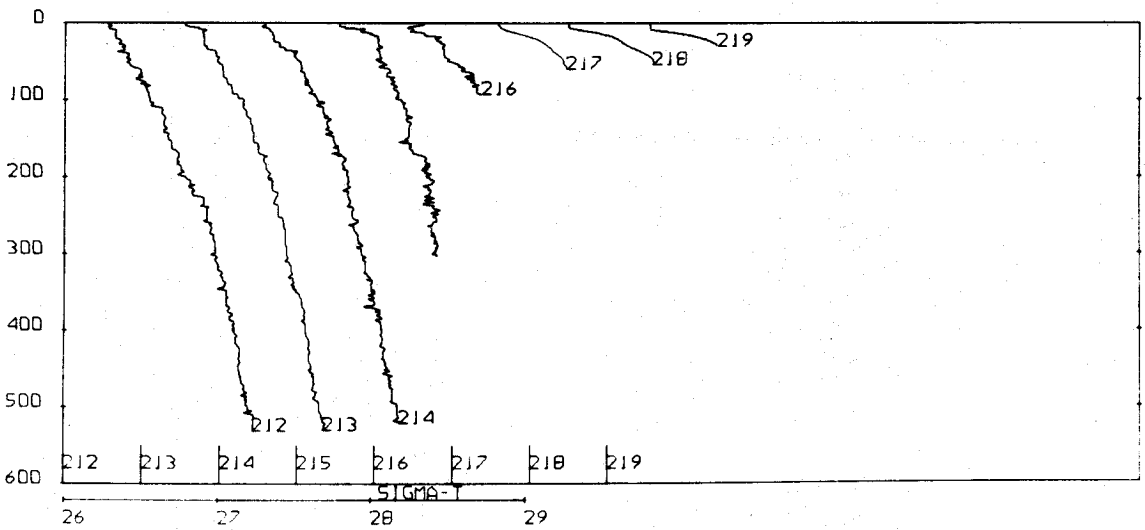
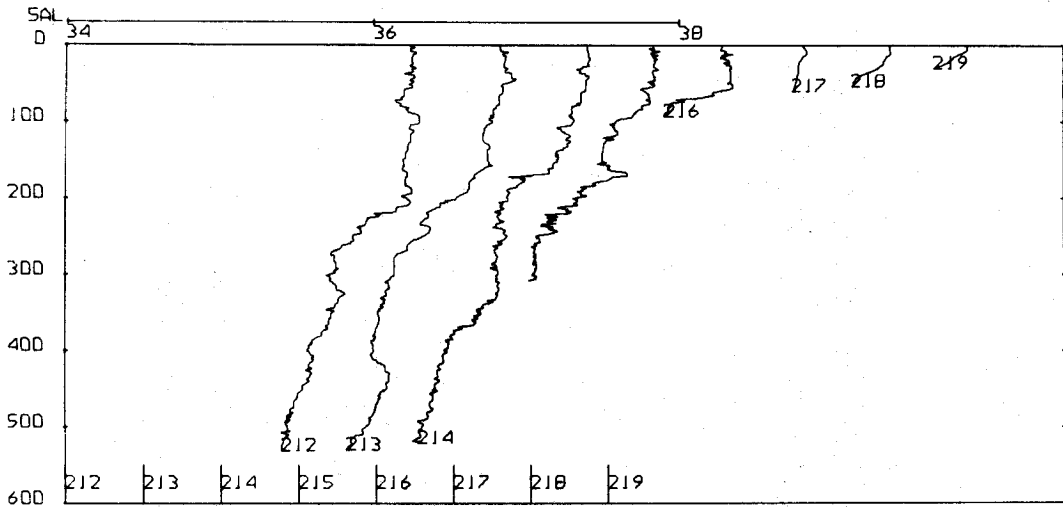
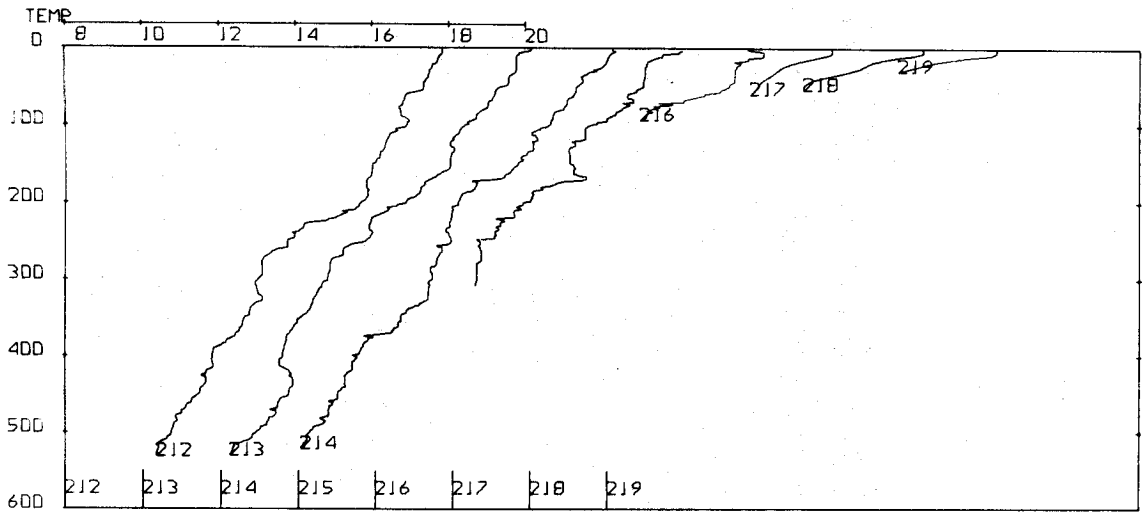
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	14.67	36.32	26.29	174.8	0	0
1	14.07	36.32	26.29	174.8	.002	.000
10	17.45	36.25	26.29	175.0	.018	.009
20	17.50	36.26	26.39	166.5	.035	.035
30	17.43	36.25	26.39	165.9	.052	.076
40	17.44	36.27	26.41	165.1	.068	.134
50	17.24	36.26	26.45	161.5	.085	.208
60	16.86	36.24	26.52	154.6	.101	.295
70	15.91	36.00	26.59	149.0	.116	.394
80	16.06	36.16	26.65	143.2	.130	.504
90	15.75	36.12	26.69	139.4	.145	.625
100	15.53	36.07	26.70	139.0	.159	.757
110	14.98	35.98	26.76	133.9	.172	.899
120	14.67	35.96	26.81	128.8	.185	1.052
130	14.65	35.89	26.76	134.0	.199	1.216
140	14.57	35.93	26.81	129.9	.212	1.395
150	14.53	35.92	26.81	130.1	.225	1.583
160	14.51	35.92	26.81	129.9	.238	1.783
170	14.38	35.93	26.85	126.8	.250	1.994
180	14.28	35.93	26.87	125.0	.263	2.215
190	13.92	35.85	26.59	123.8	.276	2.447
200	13.88	35.82	26.87	125.5	.288	2.690
225	13.67	35.81	26.91	122.7	.319	3.350
250	13.33	35.75	26.93	121.0	.350	4.073
300	12.88	35.71	26.99	116.4	.409	5.695
400	12.06	35.72	27.16	102.5	.520	9.577
481	10.20	35.40	27.26	94.0	.600	13.113

CST N0211J LAT 21 36.3 DATE 3/27/74 TIME 938  
 STATION 003 LONG 17 45.0 DPTH 700 PROBE OSU2  
 SWELL DIR 310 HT 4 PER 7 BAR 13.2 WEATHER 3  
 WIND DIR 290 SPD 11 CLOUD TYPE 1-0 AMOUNT 2  
 AIR TEMP 18.6 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.93	36.22	26.26	178.1	0	0
10	17.99	36.17	26.22	181.7	.018	.009
20	17.81	36.16	26.23	181.0	.036	.036
30	17.60	36.20	26.31	173.6	.053	.059
40	17.34	36.19	26.37	168.6	.071	.139
50	17.11	36.19	26.42	163.7	.087	.214
60	16.55	36.20	26.57	150.5	.103	.300
70	16.45	36.21	26.60	147.9	.118	.397
80	16.38	36.20	26.61	147.4	.132	.507
90	16.29	36.17	26.60	147.9	.147	.631
100	15.66	35.97	26.60	148.9	.162	.771
110	15.36	35.95	26.65	144.3	.176	.921
120	14.98	35.95	26.73	136.4	.190	1.080
130	15.09	35.97	26.73	137.5	.204	1.252
140	15.12	35.98	26.72	138.1	.217	1.439
150	15.03	35.96	26.73	137.8	.231	1.639
160	14.99	35.94	26.73	138.3	.245	1.853
170	14.77	35.91	26.75	136.1	.259	2.079
180	14.59	35.90	26.78	134.0	.272	2.314
190	14.26	35.85	26.81	130.8	.286	2.561
200	14.44	35.88	26.90	132.9	.299	2.815
225	14.09	35.88	26.87	126.3	.331	3.502
250	13.09	35.69	26.93	120.6	.362	4.229
300	13.05	35.72	26.97	119.0	.422	5.882
400	11.90	35.64	27.13	105.5	.533	9.761
489	10.26	35.35	27.21	98.9	.623	13.772

CST N0210J LAT 21 36.3 DATE 3/27/74 TIME 358  
 STATION 002 LONG 17 45.0 DPTH 700 PROBE OSU2  
 SWELL DIR 340 HT 6 PER 7 BAR 12.2 WEATHER 1  
 WIND DIR 290 SPD 10 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.5 WET BULB 16.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.95	36.12	26.17	186.5	0	0
10	17.94	36.17	26.21	183.0	.018	.009
20	17.90	36.15	26.20	183.8	.037	.037
30	17.51	36.16	26.31	174.3	.055	.081
40	17.46	36.16	26.32	173.5	.072	.142
50	17.40	36.18	26.35	171.0	.089	.219
60	17.01	36.12	26.40	166.8	.106	.313
70	16.69	36.15	26.50	157.6	.122	.418
80	16.60	36.15	26.52	156.1	.138	.536
90	16.52	36.17	26.55	153.1	.153	.667
100	16.42	36.14	26.55	153.3	.169	.812
110	16.36	36.14	26.57	151.9	.184	.972
120	16.25	36.12	26.58	151.6	.199	1.147
130	16.27	36.13	26.58	151.6	.214	1.336
140	15.67	36.00	26.62	148.2	.229	1.540
150	15.54	35.99	26.64	146.4	.244	1.754
160	15.59	35.97	26.61	149.3	.259	1.979
170	15.16	35.94	26.69	142.2	.273	2.216
180	14.97	35.94	26.73	138.8	.287	2.464
190	14.69	35.88	26.74	137.5	.301	2.716
200	14.35	35.83	26.78	134.4	.314	2.982
225	13.50	35.70	26.86	126.9	.347	3.681
250	13.28	35.65	26.87	126.8	.379	4.434
300	12.63	35.56	26.93	122.4	.441	6.126
400	12.17	35.64	27.08	110.4	.557	10.181
500	11.19	35.48	27.14	106.3	.665	15.051
514	11.14	35.46	27.13	107.2	.680	15.804



CAST N02123 LAT 21 40.0 DATE 3/27/74 TIME 1130  
 STATION L04 LONG 17 48.0 DPTH 890 PROBE OSU2  
 SWELL DIR 320 HT 6 PER 7 BAR 13.6 WEATHER 1  
 WIND DIR 280 SPD 7 CLOUD TYPE 3- 0 AMOUNT 1  
 AIR TEMP 19.3 WET BULB 15.1

CAST N02140 LAT 21 40.0 DATE 3/27/74 TIME 1502  
 STATION L06 LONG 17 36.0 DPTH 758 PROBE OSU2  
 SWELL DIR 310 HT 7 PER 7 BAR 12.2 WEATHER 2  
 WIND DIR 290 SPD 12 CLOUD TYPE 8- 0 AMOUNT 1  
 AIR TEMP 19.4 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SWA	DELD	POTE
0	17.84	36.24	26.29	175.2	0	0
1	17.94	36.24	26.29	175.2	.002	.000
10	17.75	36.26	26.32	172.0	.017	.009
20	17.66	36.24	26.33	171.7	.035	.034
30	17.50	36.25	26.38	167.6	.051	.077
40	17.41	36.26	26.41	165.1	.068	.135
50	17.33	36.24	26.41	165.0	.085	.209
60	16.98	36.19	26.48	158.7	.101	.298
70	16.78	36.17	26.49	158.2	.117	.401
80	16.74	36.20	26.52	155.7	.132	.519
90	16.88	36.25	26.53	155.3	.148	.650
100	16.89	36.29	26.55	153.2	.163	.797
110	16.51	36.25	26.61	147.6	.178	.955
120	16.35	36.24	26.64	145.1	.193	1.123
130	16.29	36.24	26.66	144.1	.207	1.303
140	16.20	36.20	26.65	145.3	.222	1.499
150	16.01	36.19	26.69	141.9	.236	1.707
160	15.97	36.18	26.69	142.3	.250	1.927
170	15.83	36.20	26.73	138.1	.264	2.159
180	15.83	36.20	26.73	138.4	.278	2.400
190	15.90	36.24	26.75	137.4	.292	2.655
200	15.67	35.21	26.78	134.8	.306	2.921
225	14.92	35.97	26.85	128.2	.338	3.618
250	13.77	35.85	26.92	122.4	.369	4.349
300	12.99	35.71	26.97	113.2	.429	5.986
400	11.83	35.58	27.10	108.4	.541	9.905
500	10.71	35.44	27.20	100.5	.646	14.603
531	10.35	35.40	27.23	97.8	.676	16.170

DEPTH	TEMP	SAL	SIGMA	SWA	DELD	POTE
0	18.25	36.39	26.30	174.0	0	0
2	18.25	36.39	26.30	174.1	.003	.000
10	18.13	36.40	26.34	170.8	.017	.009
20	18.07	36.40	26.35	169.7	.034	.034
30	17.83	36.35	26.37	168.0	.051	.076
40	17.47	36.39	26.49	157.0	.067	.132
50	17.28	36.37	26.52	154.4	.083	.202
60	17.21	36.36	26.53	153.9	.098	.287
70	17.04	36.34	26.56	151.8	.113	.386
80	16.92	36.31	26.56	151.6	.129	.500
90	16.67	36.28	26.60	148.4	.143	.626
100	16.56	36.29	26.63	145.6	.158	.766
110	16.12	36.23	26.69	140.4	.172	.915
120	16.28	36.27	26.68	141.4	.187	1.077
130	16.17	36.25	26.69	140.8	.200	1.252
140	15.86	36.19	26.72	138.6	.214	1.440
150	15.74	36.18	26.74	136.7	.228	1.641
160	15.56	36.15	26.76	135.5	.242	1.852
170	15.14	36.12	26.83	129.0	.255	2.072
180	14.62	35.95	26.81	130.6	.268	2.299
190	14.28	35.87	26.82	129.8	.281	2.541
200	14.17	35.86	26.84	128.5	.294	2.793
225	13.36	35.80	26.84	129.3	.326	3.477
250	14.02	35.86	26.87	126.8	.358	4.237
300	13.50	35.80	26.94	122.1	.421	5.949
400	11.55	35.46	27.06	111.9	.537	10.027
500	10.26	35.29	27.16	103.6	.646	14.920
521	10.08	35.28	27.18	101.6	.668	16.028

CAST N02133 LAT 21 40.0 DATE 3/27/74 TIME 1323  
 STATION L07 LONG 17 42.0 DPTH 777 PROBE OSU2  
 SWELL DIR 320 HT 6 PER 7 BAR 12.9 WEATHER 2  
 WIND DIR 280 SPD 15 CLOUD TYPE 8- 0 AMOUNT 1  
 AIR TEMP 19.5 WET BULB 16.8

CAST N02150 LAT 21 40.0 DATE 3/27/74 TIME 1652  
 STATION L05 LONG 17 30.0 DPTH 408 PROBE OSU2  
 SWELL DIR 300 HT 7 PER 7 BAR 12.2 WEATHER 3  
 WIND DIR 290 SPD 14 CLOUD TYPE 0- 7 AMOUNT 2  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SWA	DELD	POTE
0	18.13	36.32	26.28	176.2	0	0
1	18.13	36.32	26.28	176.2	.002	.000
10	17.74	36.34	26.35	165.9	.017	.008
20	17.72	36.34	26.39	165.8	.034	.033
30	17.70	36.34	26.40	165.7	.050	.075
40	17.54	36.39	26.47	158.7	.066	.131
50	17.36	36.39	26.52	154.6	.082	.202
60	17.16	36.33	26.52	154.9	.098	.287
70	17.02	36.31	26.54	153.5	.113	.387
80	16.85	36.29	26.56	151.4	.128	.502
90	16.59	36.27	26.59	149.6	.143	.629
100	16.37	36.24	26.64	144.9	.158	.769
110	16.21	36.22	26.66	143.1	.172	.920
120	16.06	36.20	26.68	141.5	.187	1.084
130	16.11	36.25	26.71	139.4	.201	1.259
140	16.02	36.24	26.72	138.4	.215	1.447
150	16.01	36.25	26.73	137.9	.228	1.647
160	15.79	36.22	26.76	135.4	.242	1.859
170	15.46	36.15	26.78	133.3	.256	2.082
180	15.24	36.12	26.81	131.4	.269	2.314
190	15.15	36.11	26.82	130.2	.282	2.556
200	14.83	36.03	26.83	129.6	.295	2.809
225	13.92	35.83	26.87	125.3	.327	3.486
250	13.78	35.84	26.91	123.0	.358	4.233
300	12.78	35.62	26.94	121.0	.419	5.896
400	11.63	35.49	27.07	111.2	.534	9.921
500	10.30	35.43	27.16	104.2	.642	14.785
530	10.24	35.32	27.19	101.7	.673	16.358

DEPTH	TEMP	SAL	SIGMA	SWA	DELD	POTE
0	18.11	36.32	26.28	175.7	0	0
3	18.11	36.32	26.28	175.8	.005	.001
10	17.50	36.29	26.41	164.0	.017	.008
20	17.10	36.32	26.53	152.9	.033	.032
30	17.06	36.31	26.53	153.1	.048	.070
40	17.04	36.31	26.53	152.9	.064	.124
50	17.02	36.30	26.53	153.6	.079	.192
60	16.60	36.26	26.60	147.3	.094	.275
70	16.79	36.28	26.57	150.4	.109	.372
80	16.42	36.25	26.64	144.6	.123	.461
90	16.11	36.17	26.65	143.9	.138	.602
100	15.63	36.06	26.67	142.0	.152	.738
110	15.51	36.08	26.72	138.0	.166	.884
120	15.28	36.07	26.76	134.0	.179	1.042
130	15.37	35.98	26.74	135.2	.193	1.212
140	15.10	35.98	26.73	137.4	.207	1.397
150	15.17	35.98	26.72	133.1	.221	1.597
160	15.20	36.03	26.75	136.5	.234	1.811
170	15.46	36.14	26.78	134.1	.248	2.036
180	14.31	35.93	26.86	125.7	.261	2.261
190	14.11	35.83	26.83	129.1	.274	2.497
200	13.85	35.81	26.87	125.6	.286	2.746
225	13.32	35.67	26.87	125.9	.318	3.417
250	12.74	35.55	26.90	124.0	.349	4.161
300	12.67	35.54	26.90	124.7	.412	5.882

CAST NO2160 LAT 21 40.0 DATE 3/27/74 TIME 1640  
 STATION L04 LONG 17 25.5 DPTH 97 PROBE CS02  
 SWELL DIR 310 HT 6 PER 7 BAR 12.5 WEATHER 2  
 WIND DIR 290 SPD 12 CLOUD TYPE 2- 8 AMOUNT 2  
 AIR TEMP 19.7 WET BULB 16.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.75	36.26	26.32	171.6	0	0
2	17.75	36.26	26.32	171.7	.003	.000
10	17.14	36.27	26.23	180.6	.018	.009
20	17.57	36.29	26.39	165.9	.035	.035
30	17.41	36.30	26.44	161.8	.051	.075
40	17.37	36.31	26.46	160.5	.067	.131
50	17.22	36.32	26.50	156.7	.083	.203
60	16.62	36.24	26.58	149.2	.099	.287
70	16.07	36.11	26.61	146.7	.113	.383
80	15.18	35.91	26.66	142.3	.128	.491
90	15.03	35.89	26.68	140.9	.142	.612
93	14.91	35.88	26.70	139.2	.146	.650

CAST NO217 LAT 21 40.0 DATE 3/27/74 TIME 2027  
 STATION L03 LONG 17 18.0 DPTH 70 PROBE STD  
 SWELL DIR 310 HT 5 PER 7 BAR 12.9 WEATHER 2  
 WIND DIR 300 SPD 10 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 18.5 WET BULB 15.6

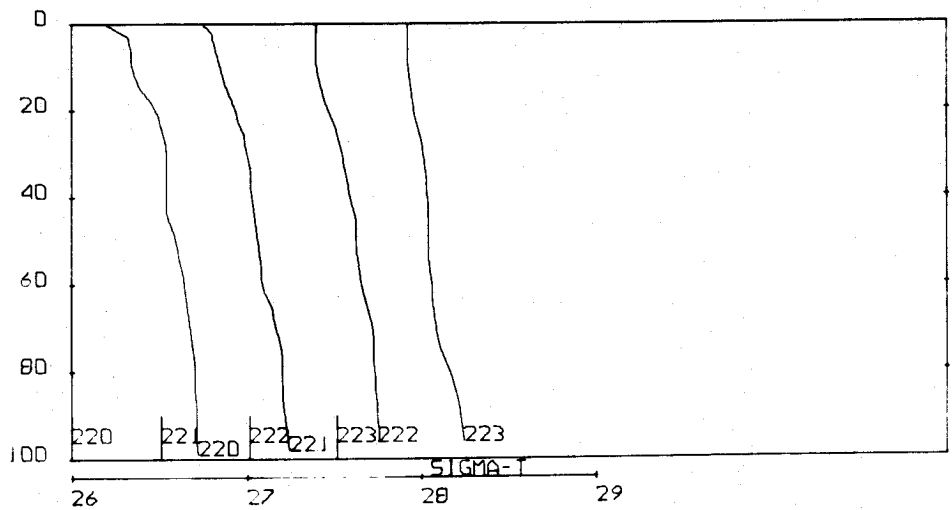
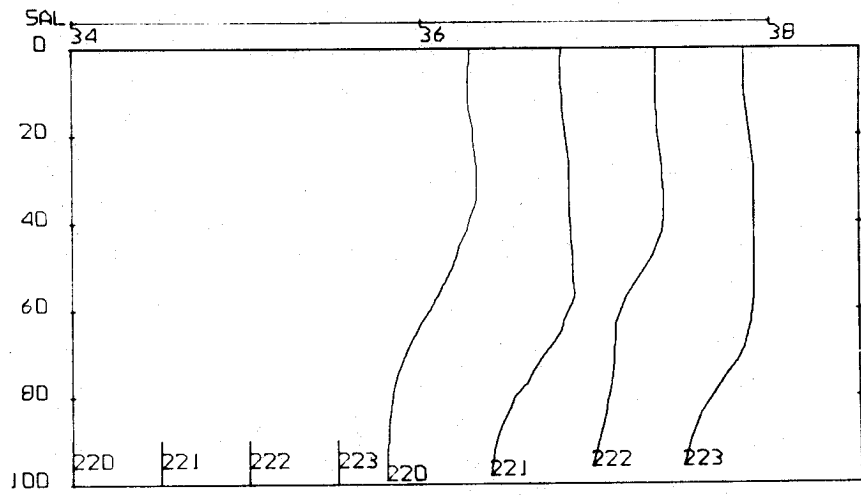
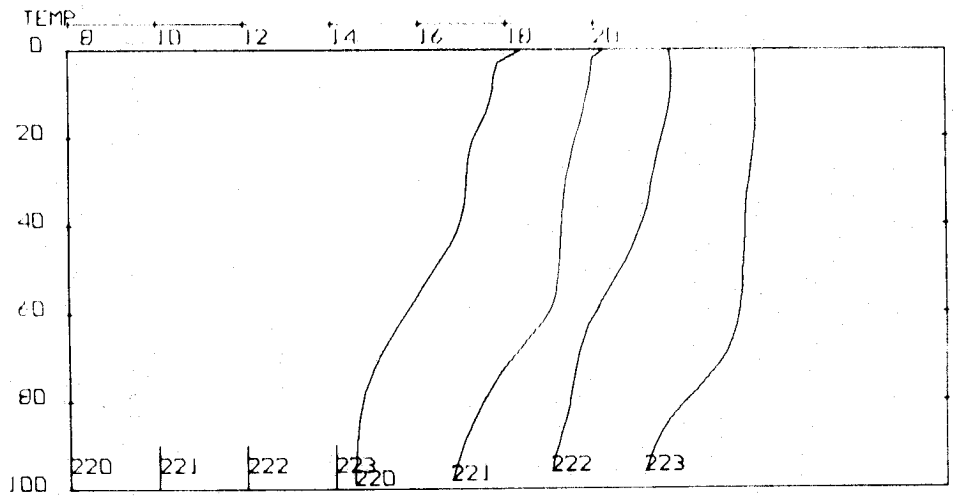
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.94	36.29	26.30	173.9	0	0
10	17.73	36.31	26.37	167.6	.017	.009
20	16.86	36.26	26.54	151.6	.033	.032
30	16.45	36.25	26.63	143.9	.048	.069
40	16.16	36.24	26.69	138.3	.062	.118
50	15.94	36.23	26.73	134.6	.076	.180
60	15.77	36.21	26.76	132.5	.089	.253
60	15.77	36.21	26.76	132.5	.089	.253

CAST NO218 LAT 21 40.0 DATE 3/27/74 TIME 2155  
 STATION L02 LONG 17 12.0 DPTH 60 PROBE STD  
 SWELL DIR 310 HT 5 PER 7 BAR 13.9 WEATHER 2  
 WIND DIR 310 SPD 8 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 18.6 WET BULB 16.7

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.34	36.36	26.25	179.3	0	0
10	17.91	36.36	26.36	168.1	.018	.009
20	16.88	36.31	26.57	148.5	.033	.032
30	16.39	36.27	26.66	140.9	.048	.068
40	15.50	36.14	26.77	130.8	.061	.116
50	15.15	36.11	26.82	126.1	.074	.173
54	15.16	36.10	26.81	127.2	.079	.199

CAST NO219 LAT 21 40.0 DATE 3/27/74 TIME 2305  
 STATION L01 LONG 17 0 DPTH 40 PROBE STD  
 SWELL DIR 320 HT 4 PER 7 BAR 13.6 WEATHER 2  
 WIND DIR 320 SPD 12 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 18.5 WET BULB 16.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.25	36.37	26.28	175.4	0	0
10	17.86	36.34	26.38	169.0	.017	.009
20	16.43	36.24	26.62	143.9	.033	.032
30	15.64	36.14	26.73	133.9	.047	.066
30	15.64	36.14	26.74	133.9	.047	.066



CAST NO220 LAT 21 40.0 DATE 3/28/74 TIME 1435  
 STATION LONG 17 26.0 DPTH 99 PROBE STD  
 SWELL DIR 140 HT 8 PER 7 BAR 14.2 WEATHER 2  
 WIND DIR 0 SPD 17 CLOUD TYPE 6-0 AMOUNT 1  
 AIR TEMP 20.9 WET BULB 15.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.32	36.28	26.20	183.6	0	0
10	17.63	36.26	26.35	169.0	.017	.009
20	17.22	36.30	26.49	157.0	.034	.033
30	17.14	36.32	26.54	151.9	.049	.071
40	16.87	36.28	26.55	151.3	.064	.124
50	16.31	36.16	26.60	147.4	.079	.192
60	15.65	36.03	26.64	143.1	.094	.271
70	15.35	35.90	26.68	140.2	.108	.363
80	14.65	35.82	26.71	137.6	.122	.467
90	14.51	35.79	26.71	137.3	.135	.584
100	14.47	35.79	26.72	136.8	.149	.714
102	14.47	35.79	26.72	136.9	.152	.742

CAST NO221 LAT 21 39.0 DATE 3/28/74 TIME 1703  
 STATION LONG 17 25.5 DPTH 99 PROBE STD  
 SWELL DIR 0 HT 7 PER 7 BAR 14.2 WEATHER 3  
 WIND DIR 350 SPD 16 CLOUD TYPE 7-8 AMOUNT 2  
 AIR TEMP 19.2 WET BULB 16.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.14	36.30	26.25	173.9	0	0
10	17.74	36.31	26.35	169.4	.017	.009
20	17.52	36.33	26.43	161.9	.034	.033
30	17.24	36.35	26.51	155.3	.050	.073
40	17.14	36.36	26.54	152.3	.065	.127
50	17.11	36.37	26.56	150.5	.080	.195
60	16.88	36.35	26.61	146.7	.095	.277
70	16.09	36.20	26.67	140.8	.109	.370
80	15.40	36.03	26.70	139.3	.123	.475
90	14.92	35.91	26.72	137.0	.137	.592
100	14.68	35.88	26.75	134.4	.151	.720
101	14.68	35.88	26.75	134.6	.152	.734

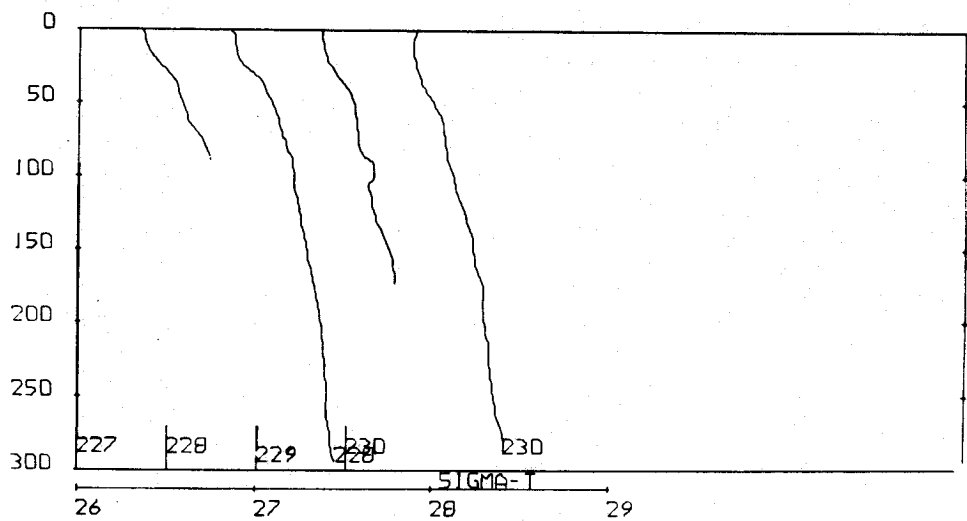
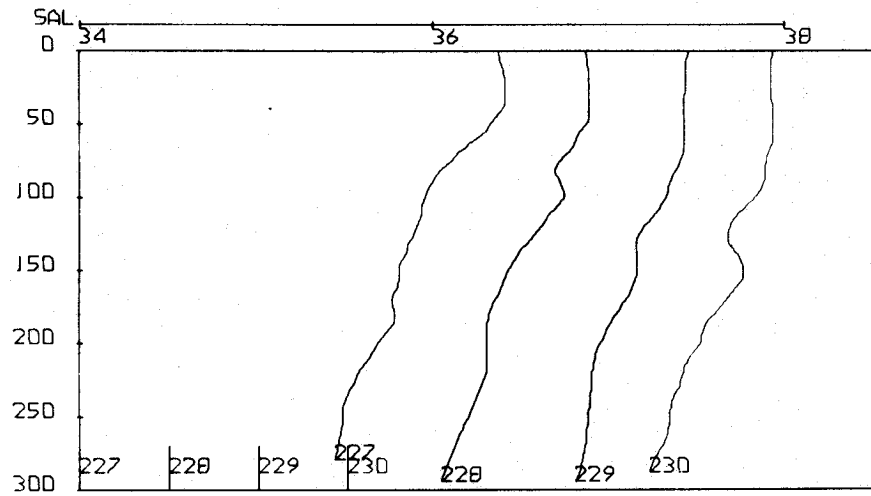
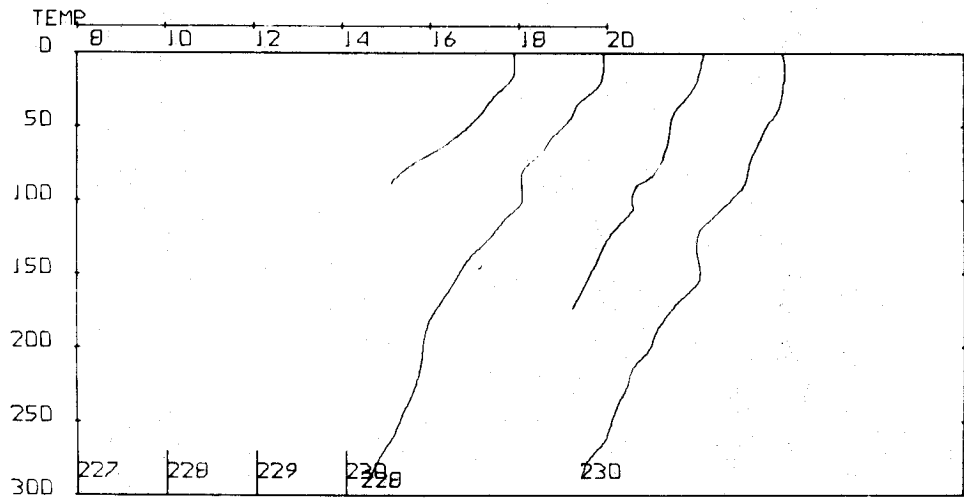
CAST NO222 LAT 21 33.0 DATE 3/29/74 TIME 5  
 STATION LONG 17 26.3 DPTH 93 PROBE STD  
 SWELL DIR 350 HT 9 PER 8 BAR 14.9 WEATHER 1  
 WIND DIR 20 SPD 20 CLOUD TYPE 0-0 AMOUNT 1  
 AIR TEMP 18.3 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.70	36.34	26.40	164.6	0	0
10	17.69	36.34	26.40	164.7	.017	.008
20	17.47	36.36	26.47	158.8	.033	.033
30	17.22	36.38	26.55	151.6	.048	.071
40	16.98	36.37	26.60	147.0	.063	.123
50	16.52	36.28	26.63	143.9	.078	.189
60	15.93	36.13	26.66	141.9	.092	.267
70	15.54	36.09	26.71	136.8	.106	.357
80	15.35	36.06	26.74	134.7	.119	.459
90	15.07	36.01	26.76	133.0	.133	.573
96	14.93	35.96	26.75	133.9	.141	.647

CAST NO223 LAT 21 35.0 DATE 3/29/74 TIME 210  
 STATION LONG 17 26.3 DPTH 95 PROBE STD  
 SWELL DIR 350 HT 8 PER 7 BAR 15.2 WEATHER 2  
 WIND DIR 20 SPD 18 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.0 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.53	36.34	26.41	163.0	0	0
10	17.61	36.34	26.42	162.7	.016	.008
20	17.58	36.37	26.46	160.5	.032	.032
30	17.44	36.40	26.51	155.3	.048	.072
40	17.34	36.40	26.53	153.2	.064	.126
50	17.29	36.40	26.54	152.4	.079	.194
60	17.19	36.38	26.55	152.0	.094	.278
70	16.95	36.33	26.59	148.5	.109	.376
80	15.99	36.14	26.65	143.1	.124	.485
90	15.28	36.03	26.73	136.7	.138	.604
96	15.05	35.98	26.74	135.0	.146	.679





CAST NO227 LAT 21 35.3 DATE 3/29/74 TIME 1010  
 STATION LONG 17 27.8 DPTH 328 PROBE STD  
 SWELL DIR 3 HT 7 PER 7 BAR 16.9 WEATHER 1  
 WIND DIR 50 SPD 22 CLOUD TYPE 8-0 AMOUNT 2  
 AIR TEMP 18.3 NET BULB 15.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.91	36.37	26.37	167.4	0	0
10	17.88	36.39	26.39	165.5	.017	.008
20	17.74	36.41	26.44	161.4	.033	.033
30	17.40	36.41	26.52	153.6	.049	.072
40	17.14	36.38	26.57	150.0	.064	.125
50	16.83	36.32	26.59	147.9	.079	.192
60	16.43	36.24	26.63	144.9	.093	.273
70	15.99	36.14	26.67	140.6	.108	.366
80	15.36	36.05	26.72	136.3	.122	.469
90	15.05	35.96	26.73	136.2	.135	.584
100		35.94				
110		35.92				
120		35.90				
130		35.86				
140		35.83				
150		35.80				
160		35.79				
170		35.77				
180		35.78				
190		35.76				
200		35.68				
225		35.55				
250		35.49				
279		35.44				

CAST NO223 LAT 21 35.0 DATE 3/29/74 TIME 1430  
 STATION LONG 17 36.0 DPTH 410 PROBE STD  
 SWELL DIR 30 HT 7 PER 7 BAR 15.9 WEATHER 2  
 WIND DIR 20 SPD 17 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.6 NET BULB 15.5

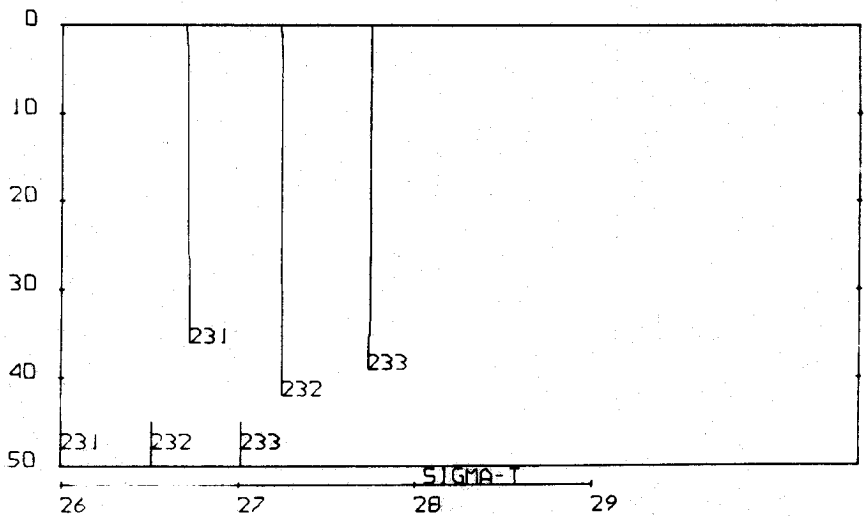
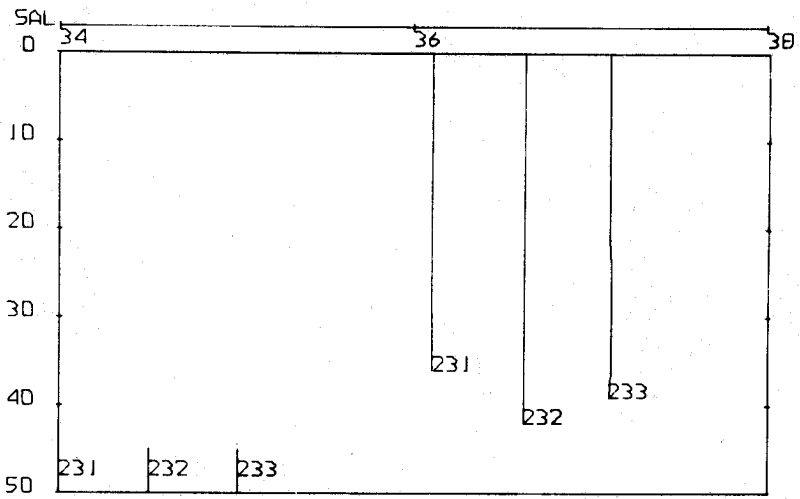
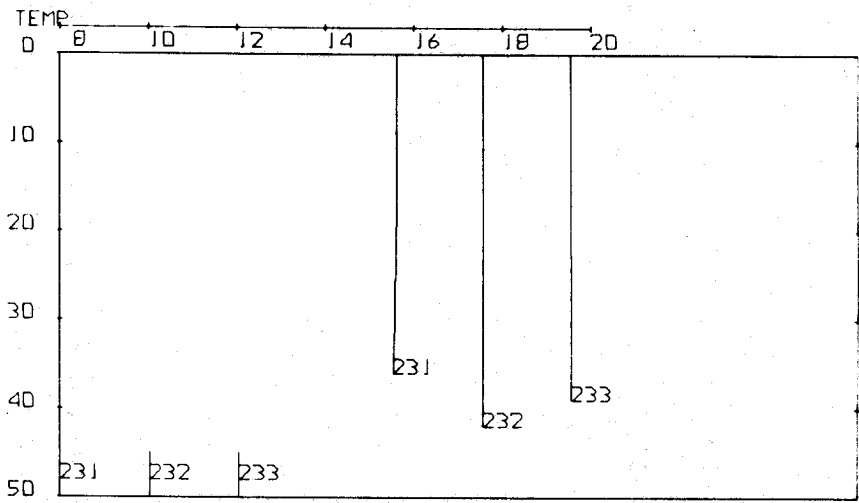
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.13	36.44	26.37	167.5	0	0
10	18.03	36.42	26.38	167.0	.017	.008
20	17.93	36.42	26.40	165.0	.033	.033
30	17.72	36.41	26.45	161.1	.050	.074
40	17.45	36.41	26.51	154.9	.065	.129
50	17.32	36.42	26.55	151.6	.081	.198
60	17.27	36.42	26.58	150.9	.096	.281
70	17.17	36.41	26.58	149.9	.111	.379
80	17.02	36.37	26.59	149.2	.126	.491
90	16.58	36.33	26.66	142.7	.141	.616
100	16.47	36.30	26.66	142.7	.155	.751
110	16.41	36.27	26.66	143.7	.169	.903
120	16.09	36.18	26.66	143.7	.184	1.068
130	15.84	36.15	26.69	141.0	.198	1.246
140	15.68	36.15	26.73	137.6	.212	1.434
150	15.52	36.14	26.76	135.1	.225	1.632
160	15.35	36.12	26.78	133.5	.239	1.840
170	15.18	36.09	26.80	132.0	.252	2.059
180		36.00				
190		35.99				
200		35.92				
225		35.88				
250		35.86				
294		35.79				

CAST NO225 LAT 21 35.0 DATE 3/29/74 TIME 1300  
 STATION LONG 17 30.0 DPTH 337 PROBE STD  
 SWELL DIR 30 HT 7 PER 6 BAR 0 WEATHER 2  
 WIND DIR 30 SPD 16 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.1 NET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.91	36.36	26.36	168.1	0	0
10	17.87	36.37	26.38	166.9	.017	.008
20	17.79	36.38	26.40	164.6	.033	.033
30	17.46	36.38	26.49	157.2	.049	.073
40	17.18	36.38	26.56	151.0	.065	.127
50	16.96	36.36	26.59	148.1	.080	.194
60	16.52	36.30	26.63	144.8	.094	.275
70	16.37	36.25	26.65	143.0	.109	.368
80	16.03	36.19	26.68	140.4	.123	.475
90	16.02	36.24	26.72	136.8	.137	.593
100	16.02	36.24	26.72	137.2	.151	.723
110	15.73	36.16	26.73	136.9	.164	.867
120	15.44	36.10	26.75	135.3	.178	1.023
130	15.15	36.03	26.76	134.2	.191	1.192
140	14.81	35.96	26.78	132.9	.205	1.372
150	14.58	35.91	26.79	131.8	.218	1.563
160	14.38	35.88	26.81	130.3	.231	1.767
170	14.15	35.84	26.83	129.9	.244	1.980
180	13.94	35.80	26.84	127.6	.257	2.204
190	13.81	35.79	26.86	126.0	.269	2.439
200	13.75	35.79	26.87	125.1	.282	2.683
225	13.59	35.77	26.89	124.0	.313	3.344
250	13.22	35.69	26.91	123.3	.344	4.078
294	12.39	35.54	26.96	119.2	.398	5.538

CAST NO230 LAT 21 30.0 DATE 3/29/74 TIME 1520  
 STATION LONG 17 30.0 DPTH 365 PROBE STD  
 SWELL DIR 20 HT 7 PER 7 BAR 0 WEATHER 2  
 WIND DIR 20 SPD 17 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 18.5 NET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.93	36.42	26.40	164.2	0	0
10	17.97	36.40	26.38	166.9	.017	.008
20	17.90	36.40	26.39	165.7	.033	.033
30	17.84	36.41	26.42	163.9	.050	.074
40	17.73	36.42	26.45	161.0	.066	.131
50	17.50	36.42	26.51	156.0	.082	.203
60	17.33	36.41	26.54	153.0	.097	.287
70	17.16	36.39	26.56	151.2	.112	.386
80	17.07	36.37	26.57	150.7	.128	.499
90	16.99	36.36	26.59	149.9	.143	.627
100	16.69	36.31	26.62	146.8	.157	.767
110	16.36	36.23	26.64	145.6	.172	.921
120	16.01	36.17	26.67	142.6	.186	1.087
130	15.90	36.17	26.70	140.5	.201	1.264
140	15.96	36.23	26.72	138.1	.215	1.453
150	16.01	36.25	26.73	137.8	.228	1.652
160	15.83	36.22	26.75	136.5	.242	1.865
170	15.47	36.15	26.77	134.2	.256	2.088
180	15.20	36.07	26.78	134.2	.269	2.322
190	14.98	36.02	26.79	133.6	.282	2.570
200	14.86	35.99	26.79	133.1	.296	2.830
225	14.35	35.89	26.83	130.7	.329	3.530
250	13.99	35.82	26.85	129.1	.361	4.304
288	13.32	35.71	26.90	124.7	.409	5.595



CAST NO231 LAT 21 33.5 DATE 3/31/74 TIME 1818  
 STATION LONG 17 6.7 DPTH 42 PROBE STD  
 SWELL DIR 0 HT 8 PER 8 BAR 11.2 WEATHER 2  
 WIND DIR 0 SPD 22 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.8 WET BULB 15.6

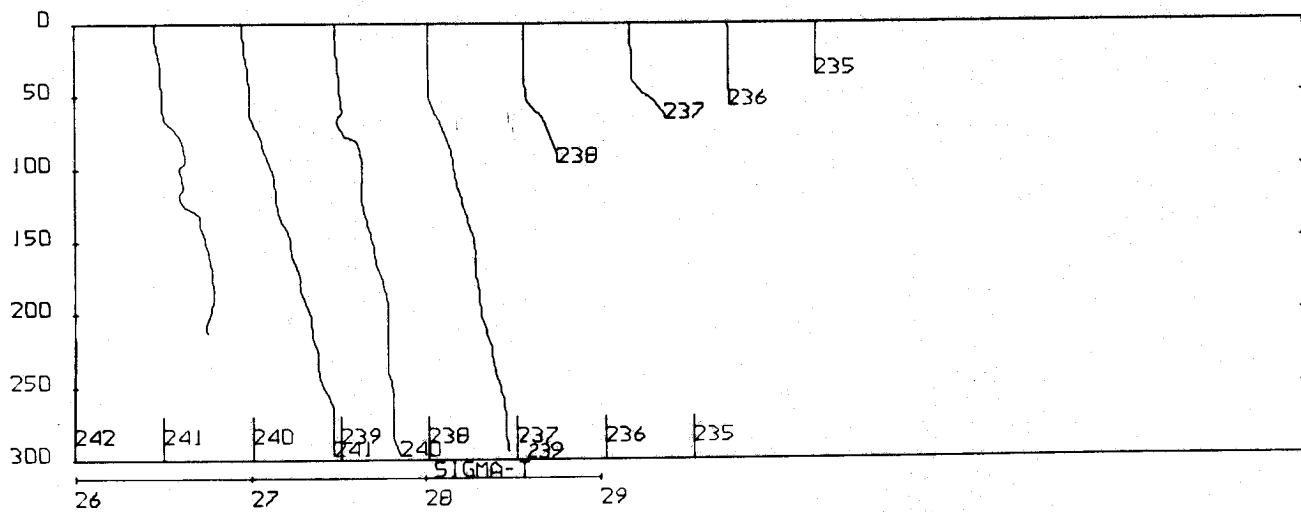
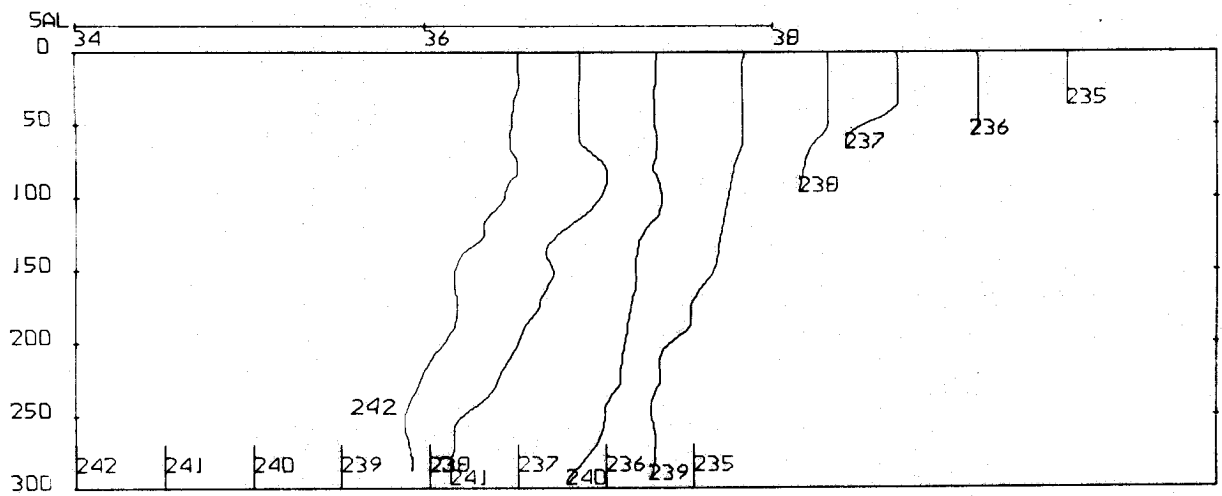
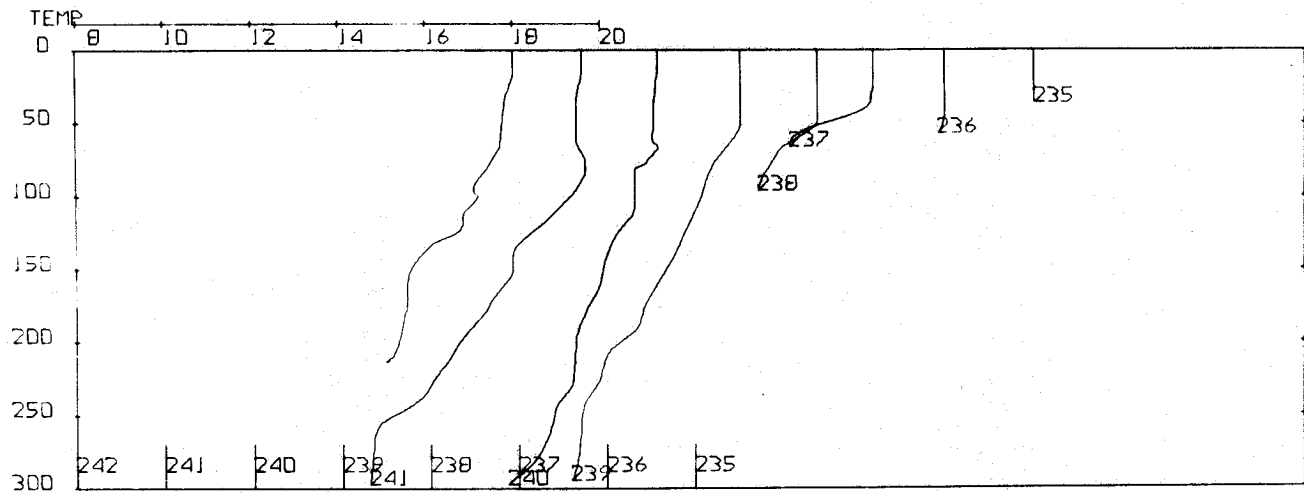
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.62	36.11	26.71	134.7	0	0
10	15.58	36.11	26.72	134.1	.013	.007
20	15.56	36.10	26.72	134.8	.027	.027
30	15.53	36.11	26.73	133.7	.040	.060
36	15.52	36.11	26.74	133.7	.048	.087

CAST NO232 LAT 21 30.7 DATE 3/31/74 TIME 2245  
 STATION LONG 17 6.7 DPTH 42 PROBE STD  
 SWELL DIR 10 HT 8 PER 8 BAR 12.9 WEATHER 2  
 WIND DIR 10 SPD 22 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.0 WET BULB 15.4

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.54	36.13	26.75	131.5	0	0
10	15.53	36.12	26.74	132.3	.013	.007
20	15.53	36.12	26.74	132.6	.026	.026
30	15.53	36.12	26.74	132.9	.040	.060
40	15.53	36.12	26.74	133.3	.053	.106
42	15.53	36.12	26.74	133.3	.056	.117

CAST NO233 LAT 21 30.7 DATE 4/ 1/74 TIME 41  
 STATION LONG 17 6.7 DPTH 42 PROBE STD  
 SWELL DIR 10 HT 7 PER 7 BAR 11.5 WEATHER 2  
 WIND DIR 10 SPD 27 CLOUD TYPE 0- 0 AMOUNT 0  
 AIR TEMP 17.0 WET BULB 15.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.49	36.11	26.74	131.9	0	0
10	15.48	36.11	26.74	132.0	.013	.007
20	15.50	36.12	26.75	132.2	.026	.026
30	15.51	36.12	26.75	132.5	.040	.060
39	15.52	36.10	26.73	134.5	.052	.101



CAST NO235 LAT 21 40.3 DATE 4/ 1/74 TIME 639  
 STATION L01 LONG 17 0.0 DPTH 40 PROBE STD  
 SWELL DIR 10 HT 8 PER 7 BAR 12.5 WEATHER 3  
 WIND DIR 40 SPD 18 CLOUD TYPE 7- 8 AMOUNT 2  
 AIR TEMP 16.3 WET BULB 14.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.93	36.16	26.71	134.9	0	0
10	15.43	36.15	26.70	136.0	.014	.007
20	15.43	36.15	26.70	136.3	.027	.027
30	15.43	36.15	26.70	136.6	.041	.061
36	15.83	36.15	26.70	136.8	.049	.088

CAST NO236 LAT 21 40.0 DATE 4/ 1/74 TIME 738  
 STATION L02 LONG 17 12.0 DPTH 60 PROBE STD  
 SWELL DIR 13 HT 7 PER 7 BAR 12.5 WEATHER 2  
 WIND DIR 39 SPD 16 CLOUD TYPE 7- 8 AMOUNT 2  
 AIR TEMP 16.5 WET BULB 14.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.76	36.14	26.70	135.5	0	0
10	15.75	36.15	26.71	135.1	.013	.007
20	15.75	36.15	26.71	135.2	.027	.027
30	15.74	36.15	26.72	135.3	.041	.061
40	15.73	36.15	26.72	135.3	.054	.108
50	15.64	36.14	26.73	135.1	.068	.169
57	15.57	36.10	26.72	136.1	.077	.220

CAST NO237 LAT 21 40.5 DATE 4/ 1/74 TIME 830  
 STATION L03 LONG 17 14.9 DPTH 73 PROBE STD  
 SWELL DIR 20 HT 9 PER 8 BAR 13.9 WEATHER 2  
 WIND DIR 30 SPD 22 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 17.2 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.13	36.18	26.65	140.7	0	0
10	16.12	36.19	26.66	140.1	.014	.007
20	16.10	36.19	26.66	140.0	.028	.028
30	16.07	36.19	26.67	139.6	.042	.063
40	15.90	36.17	26.69	138.0	.056	.112
50	14.94	35.98	26.76	132.1	.069	.173
60	14.25	35.89	26.85	123.8	.082	.243
66	14.19	35.88	26.85	123.5	.090	.289

CAST NO238 LAT 21 40.0 DATE 4/ 1/74 TIME 950  
 STATION L04 LONG 17 24.0 DPTH 95 PROBE STD  
 SWELL DIR 30 HT 9 PER 8 BAR 13.6 WEATHER 2  
 WIND DIR 30 SPD 22 CLOUD TYPE 6- 0 AMOUNT 1  
 AIR TEMP 17.0 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.38	36.29	26.56	149.4	0	0
10	16.33	36.29	26.56	149.3	.015	.007
20	16.88	36.29	26.56	150.1	.030	.030
30	16.83	36.29	26.56	150.4	.045	.068
40	16.97	36.29	26.56	150.5	.050	.120
50	16.82	36.29	26.57	149.8	.075	.188
60	16.41	36.23	26.62	145.2	.090	.269
70	15.94	36.17	26.68	139.7	.104	.361
80	15.73	36.14	26.71	137.2	.118	.465
90	15.53	36.13	26.75	134.1	.131	.580
96	15.49	36.12	26.75	134.2	.139	.655

CAST NO239 LAT 21 40.5 DATE 4/ 1/74 TIME 1058  
 STATION L05 LONG 17 30.0 DPTH 658 PROBE STD  
 SWELL DIR 30 HT 9 PER 8 BAR 13.9 WEATHER 2  
 WIND DIR 30 SPD 18 CLOUD TYPE 8- 0 AMOUNT 1  
 AIR TEMP 17.8 WET BULB 15.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.14	36.37	26.52	153.2	0	0
10	17.13	36.30	26.51	154.7	.015	.008
20	17.13	36.30	26.51	155.1	.031	.031
30	17.12	36.31	26.52	154.4	.046	.070
40	17.12	36.31	26.52	154.8	.062	.124
50	17.10	36.31	26.52	154.7	.077	.193
60	16.96	36.30	26.55	152.5	.093	.278
70	16.63	36.28	26.59	148.3	.108	.376
80	16.45	36.25	26.63	145.4	.122	.486
90	16.30	36.23	26.65	143.7	.137	.608
100	16.20	36.22	26.66	142.7	.151	.744
110	16.06	36.20	26.68	141.3	.165	.893
120	15.99	36.18	26.70	139.5	.179	1.059
130	15.74	36.17	26.73	137.2	.193	1.228
140	15.59	36.15	26.75	135.2	.207	1.412
150	15.33	36.13	26.78	133.0	.220	1.606
160	15.19	36.07	26.78	133.2	.234	1.812
170	15.02	36.02	26.78	133.5	.247	2.032
180	14.85	36.00	26.80	131.8	.260	2.264
190	14.71	35.99	26.82	130.7	.273	2.507
200	14.53	35.98	26.82	130.4	.286	2.760
225	14.47	35.93	26.84	129.3	.318	3.449
250	14.45	35.78	26.83	128.1	.349	4.177
244	14.22	35.76	26.86	129.2	.402	5.601

CAST NO240 LAT 21 40.3 DATE 4/ 1/74 TIME 1355  
 STATION L06 LONG 17 36.0 DPTH 800 PROBE STD  
 SWELL DIR 30 HT 8 PER 7 BAR 12.5 WEATHER 2  
 WIND DIR 20 SPD 19 CLOUD TYPE 4- 0 AMOUNT 2  
 AIR TEMP 17.7 WET BULB 14.6

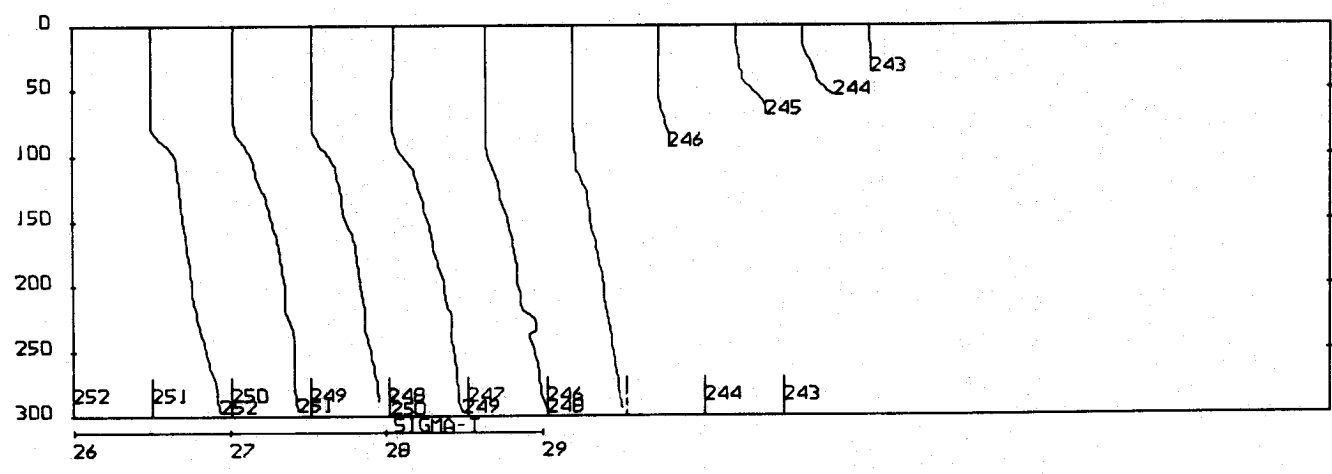
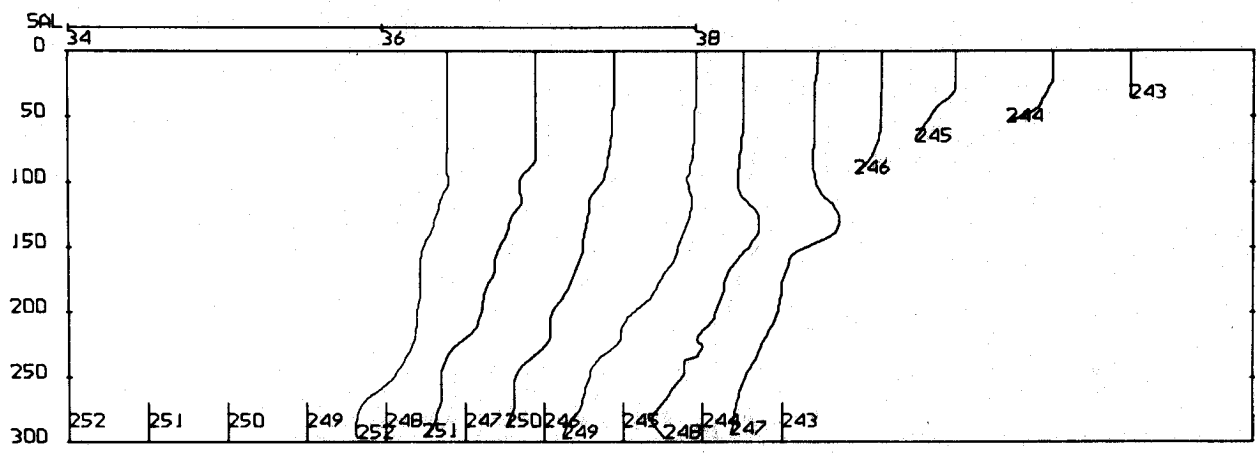
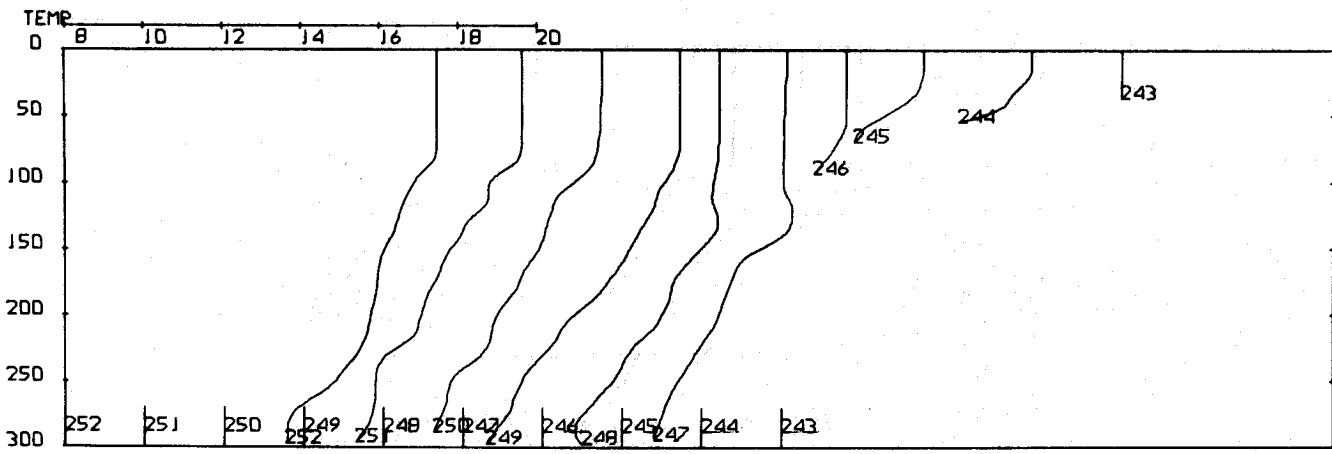
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.26	36.32	26.49	155.9	0	0
10	17.25	36.31	26.48	156.7	.016	.008
20	17.21	36.31	26.49	156.1	.031	.031
30	17.17	36.30	26.50	156.3	.047	.070
40	17.14	36.31	26.51	155.2	.062	.125
50	17.13	36.31	26.51	155.3	.078	.195
60	17.11	36.32	26.53	154.5	.093	.280
70	17.17	36.32	26.51	156.3	.109	.382
80	16.93	36.32	26.60	144.1	.125	.487
90	16.73	36.32	26.62	146.8	.139	.621
100	16.73	36.34	26.63	145.5	.154	.760
110	16.69	36.33	26.64	145.6	.168	.912
120	16.46	36.27	26.64	145.4	.183	1.080
130	16.21	36.21	26.65	144.6	.197	1.261
140	16.37	36.19	26.67	142.9	.212	1.455
150	15.97	36.20	26.70	140.5	.226	1.660
160	15.91	36.20	26.71	139.7	.240	1.874
170	15.73	36.17	26.73	135.1	.254	2.107
180	15.56	36.15	26.76	136.1	.267	2.367
190	15.41	36.14	26.78	134.2	.281	2.596
209	15.33	36.12	26.75	134.0	.294	2.853
225	15.27	36.10	26.78	134.9	.328	3.573
250	14.83	36.01	26.81	132.5	.362	4.369
297	13.80	35.79	26.86	128.8	.424	6.065

CAST NO241 LAT 21 40.0 DATE 4/ 1/74 TIME 1520  
 STATION L07 LONG 17 42.0 DPTH 850 PROBE STD  
 SWELL DIR 20 HT 7 PER 7 BAR 12.2 WEATHER 2  
 WIND DIR 20 SPD 17 CLOUD TYPE 4- 0 AMOUNT 2  
 AIR TEMP 17.6 WET BULB 14.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.57	36.38	26.46	158.7	0	0
10	17.57	36.38	26.46	159.0	.016	.008
20	17.51	36.37	26.47	158.4	.032	.032
30	17.43	36.37	26.49	157.2	.048	.071
40	17.41	36.37	26.49	157.0	.063	.126
50	17.40	36.37	26.49	157.2	.079	.197
60	17.42	36.38	26.50	157.3	.095	.283
70	17.56	36.48	26.54	153.3	.110	.385
80	17.63	36.53	26.56	152.0	.125	.499
90	17.50	36.53	26.59	149.3	.141	.627
100	17.26	36.49	26.62	146.7	.155	.768
110	16.93	36.42	26.64	145.1	.170	.921
120	16.59	36.31	26.64	145.2	.184	1.087
130	16.17	36.20	26.66	144.0	.199	1.268
140	15.94	36.21	26.72	139.0	.213	1.459
150	15.94	36.22	26.72	139.4	.227	1.660
160	15.75	36.19	26.75	136.5	.241	1.873
170	15.48	36.14	26.77	134.6	.254	2.097
180	15.28	36.11	26.79	133.0	.268	2.331
190	14.98	36.05	26.81	131.0	.281	2.576
200	14.70	36.01	26.84	128.4	.294	2.828
225	14.12	35.90	26.88	125.3	.326	3.503
250	13.18	35.70	26.92	121.6	.356	4.238
297	12.64	35.63	26.98	117.5	.412	5.752

CAST NO242 LAT 21 40.3 DATE 4/ 1/74 TIME 1657  
 STATION L08 LONG 17 47.2 DPTH 951 PROBE STD  
 SWELL DIR 10 HT 9 PER 8 BAR 11.2 WEATHER 2  
 WIND DIR 20 SPD 23 CLOUD TYPE 7- 8 AMOUNT 2  
 AIR TEMP 17.7 WET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	18.02	36.53	26.46	158.4	0	0
10	18.01	36.53	26.47	158.5	.016	.008
20	17.96	36.54	26.48	157.2	.032	.032
30	17.82	36.51	26.50	156.1	.047	.071
40	17.76	36.50	26.50	156.1	.063	.125
50	17.72	36.49	26.51	156.0	.079	.196
60	17.69	36.49	26.51	155.6	.094	.281
70	17.60	36.50	26.55	152.9	.110	.382
80	17.39	36.52	26.61	146.9	.125	.494
90	17.14	36.47	26.63	145.3	.139	.618
100	17.17	36.45	26.61	145.1	.154	.757
110	16.90	36.35	26.60	149.4	.169	.913
120	16.81	36.34	26.61	148.2	.183	1.084
130	16.29	36.29	26.69	140.4	.198	1.266
140	15.47	36.20	26.72	138.3	.212	1.454
150	15.67	36.17	26.75	135.8	.226	1.657
160	15.54	36.17	26.78	133.6	.239	1.888
170	15.51	36.18	26.78	133.2	.252	2.093
180	15.44	36.17	26.79	132.9	.266	2.313
190	15.40	36.15	26.79	131.3	.279	2.559
200	15.32	36.10	26.77	130.4	.292	2.820
225		35.96				
250		35.97				
288		35.97				



CAST NO243 LAT 21 40.0 DATE 4/ 5/74 TIME 1807  
 STATION L01 LONG 17 6.0 DPTH 36 PROBE STD  
 SWELL DIR 0 HT 8 PER 8 BAR 9.5 WEATHER 2  
 WIND DIR 0 SPD 26 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 17.0 WET BULB 15.2

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.64	36.22	26.56	149.1	0	0
10	16.64	36.22	26.56	149.4	.015	.007
20	16.61	36.22	26.57	149.2	.030	.030
30	16.60	36.22	26.57	149.2	.045	.067
36	16.60	36.22	26.57	149.4	.054	.097

CAST NO244 LAT 21 40.0 DATE 4/ 5/74 TIME 1916  
 STATION L02 LONG 17 12.0 DPTH 58 PROBE STD  
 SWELL DIR 0 HT 8 PER 8 BAR 9.1 WEATHER 2  
 WIND DIR 0 SPD 24 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.6 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.35	36.23	26.64	141.9	0	0
10	16.35	36.23	26.64	142.2	.014	.007
20	16.26	36.23	26.66	140.6	.028	.028
30	15.95	36.19	26.70	137.0	.042	.063
40	15.69	36.15	26.73	134.7	.056	.111
50	15.00	36.08	26.83	125.3	.069	.169
54	14.49	35.94	26.83	124.9	.074	.195

CAST NO245 LAT 21 40.7 DATE 4/ 5/74 TIME 2023  
 STATION L03 LONG 17 18.5 DPTH 73 PROBE STD  
 SWELL DIR 10 HT 9 PER 8 BAR 9.1 WEATHER 2  
 WIND DIR 10 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.5 WET BULB 14.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.63	36.12	26.72	134.2	0	0
10	15.63	36.12	26.72	134.5	.013	.007
20	15.59	36.12	26.73	133.9	.027	.027
30	15.44	36.11	26.74	132.6	.040	.060
40	15.14	36.03	26.76	131.5	.053	.106
50	14.59	35.96	26.83	125.6	.066	.164
60	14.03	35.88	26.89	120.1	.078	.231
69	13.86	35.87	26.91	117.6	.089	.300

CAST NO246 LAT 21 40.0 DATE 4/ 5/74 TIME 2140  
 STATION L04 LONG 17 24.0 DPTH 100 PROBE STD  
 SWELL DIR 10 HT 9 PER 8 BAR 10.2 WEATHER 2  
 WIND DIR 10 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.2 WET BULB 14.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.70	36.15	26.73	133.5	0	0
10	15.70	36.15	26.73	133.8	.013	.007
20	15.70	36.15	26.73	134.1	.027	.027
30	15.70	36.15	26.73	134.4	.040	.060
40	15.70	36.14	26.72	135.5	.054	.108
50	15.69	36.14	26.72	135.7	.067	.169
60	15.61	36.14	26.74	134.2	.081	.243
70	15.43	36.12	26.76	132.4	.094	.330
80	15.22	36.08	26.78	130.5	.107	.428
90	14.94	36.04	26.81	128.1	.120	.538
93	14.55	35.98	26.78	130.9	.124	.574

CAST NO247 LAT 21 40.0 DATE 4/ 5/74 TIME 2243  
 STATION L05 LONG 17 30.0 DPTH 85 PROBE STD  
 SWELL DIR 10 HT 9 PER 8 BAR 10.5 WEATHER 2  
 WIND DIR 10 SPD 22 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.2 WET BULB 14.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.22	36.24	26.68	137.6	0	0
10	16.22	36.24	26.68	138.0	.014	.007
20	16.14	36.23	26.68	138.7	.028	.028
30	16.14	36.22	26.69	139.0	.042	.062
40	16.13	36.22	26.68	139.1	.055	.111
50	16.12	36.22	26.68	139.2	.069	.174
60	16.12	36.22	26.68	139.5	.083	.250
70	16.11	36.22	26.69	139.6	.097	.341
80	16.11	36.21	26.68	140.6	.111	.446
90	16.10	36.22	26.69	140.0	.125	.565
100	16.13	36.24	26.70	139.6	.139	.698
110	16.24	36.29	26.71	138.4	.153	.844
120	16.36	36.36	26.73	136.6	.167	1.002
130	16.30	36.38	26.76	134.1	.180	1.171
140	16.07	36.34	26.79	132.2	.194	1.350
150	15.47	36.16	26.79	132.5	.207	1.541
160	15.00	36.06	26.81	130.4	.220	1.745
170	14.83	36.03	26.83	128.6	.233	1.958
180	14.69	36.01	26.84	127.7	.246	2.192
190	14.55	36.00	26.86	126.0	.258	2.417
200	14.45	35.98	26.88	125.3	.271	2.661
225	13.96	35.88	26.90	123.4	.302	3.322
250	13.42	35.78	26.93	120.7	.333	4.045
294	12.82	35.69	26.99	116.5	.385	5.461

CAST NO248 LAT 21 40.0 DATE 4/ 6/74 TIME 5  
 STATION L05 LONG 17 36.0 DPTH 896 PROBE STD  
 SWELL DIR 20 HT 10 PER 7 BAR 9.5 WEATHER 2  
 WIND DIR 10 SPD 26 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 16.2 WET BULB 14.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.54	36.28	26.63	142.5	0	0
10	16.54	36.28	26.63	142.8	.014	.007
20	16.54	36.28	26.63	143.2	.029	.029
30	16.54	36.28	26.63	143.5	.043	.064
40	16.54	36.28	26.63	143.8	.057	.115
50	16.54	36.28	26.63	144.1	.072	.174
60	16.52	36.27	26.63	144.8	.086	.250
70	16.50	36.26	26.63	145.3	.101	.352
80	16.48	36.25	26.62	145.7	.115	.462
90	16.43	36.24	26.63	145.9	.130	.586
100	16.35	36.25	26.65	144.0	.144	.724
110	16.33	36.26	26.67	142.8	.158	.874
120	16.44	36.36	26.72	138.4	.173	1.036
130	16.49	36.38	26.72	138.5	.186	1.210
140	16.33	36.36	26.74	136.3	.200	1.395
150	16.02	36.30	26.77	134.4	.214	1.591
160	15.70	36.23	26.79	132.5	.227	1.798
170	15.42	36.17	26.81	131.2	.240	2.015
180	15.27	36.15	26.82	129.9	.253	2.244
190	15.19	36.14	26.83	129.5	.266	2.484
200	15.02	36.09	26.84	129.2	.279	2.736
225	14.28	36.00	26.93	121.3	.311	3.408
250	13.78	35.88	26.94	120.3	.341	4.128
297	13.01	35.78	27.02	113.7	.396	5.637



CAST NO249 LAT 21 41.6 DATE 4/ 6/74 TIME 130  
 STATION L07 LONG 17 42.4 DPTH 874 PROBE STD  
 SWELL DIR 10 HT 10 PER 7 BAR 9.5 WEATHER 2  
 WIND DIR 10 SPD 25 CLOUD TYPE 3- 0 AMOUNT 1  
 AIR TEMP 16.4 WET BULB 14.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.56	36.49	26.55	153.9	0	0
10	17.56	36.49	26.55	153.3	.015	.008
20	17.56	36.49	26.55	153.2	.030	.030
30	17.57	36.46	26.54	152.9	.045	.068
40	17.57	36.46	26.54	152.8	.061	.122
50	17.57	36.47	26.53	153.9	.076	.191
60	17.57	36.47	26.53	154.2	.091	.275
70	17.55	36.47	26.53	154.1	.107	.376
80	17.48	36.45	26.54	154.9	.122	.491
90	17.35	36.44	26.56	152.3	.137	.621
100	17.13	36.43	26.61	148.0	.152	.764
110	16.95	36.46	26.67	142.6	.167	.916
120	16.83	36.45	26.69	143.7	.181	1.078
130	16.63	36.43	26.72	133.2	.195	1.252
140	16.45	36.39	26.74	136.8	.209	1.437
150	16.24	36.36	26.76	134.9	.222	1.634
160	16.06	36.34	26.79	132.8	.236	1.841
170	15.81	36.28	26.80	132.1	.249	2.059
180	15.55	36.23	26.82	130.1	.262	2.289
190	15.23	36.17	26.85	127.5	.275	2.527
200	14.82	36.08	26.87	126.2	.288	2.774
225	14.19	35.97	26.92	121.6	.319	3.434
250	13.50	35.79	26.93	121.5	.349	4.160
297	12.62	35.63	26.98	117.1	.405	5.693

CAST NO251 LAT 21 42.0 DATE 4/ 6/74 TIME 449  
 STATION L07 LONG 17 54.0 DPTH 1652 PROBE STD  
 SWELL DIR 0 HT 9 PER 8 BAR 9.1 WEATHER 3  
 WIND DIR 20 SPD 20 CLOUD TYPE 4- 0 AMOUNT 7  
 AIR TEMP 16.7 WET BULB 15.1

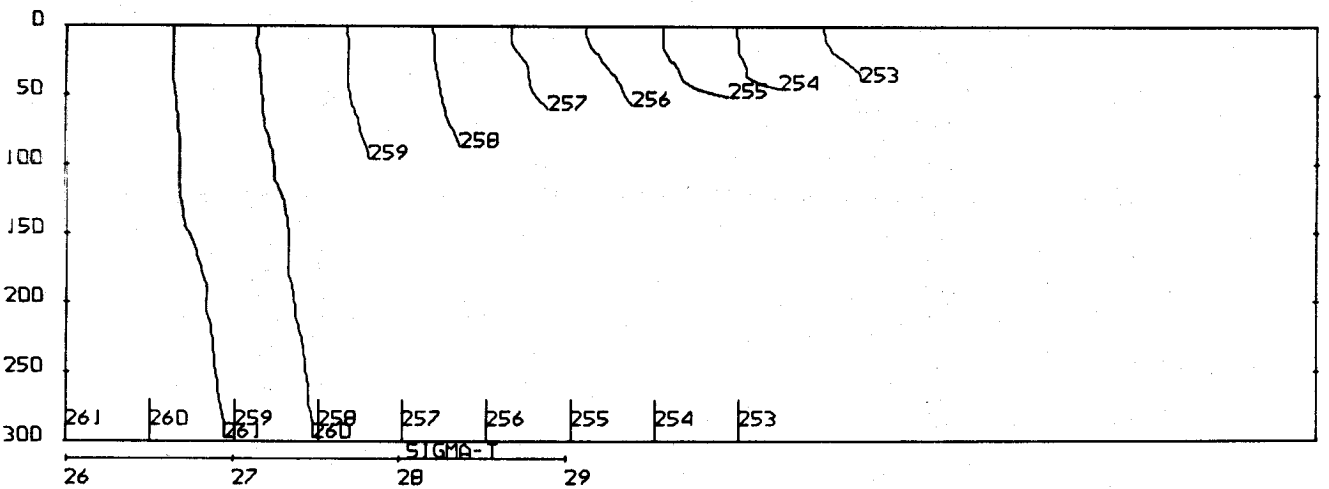
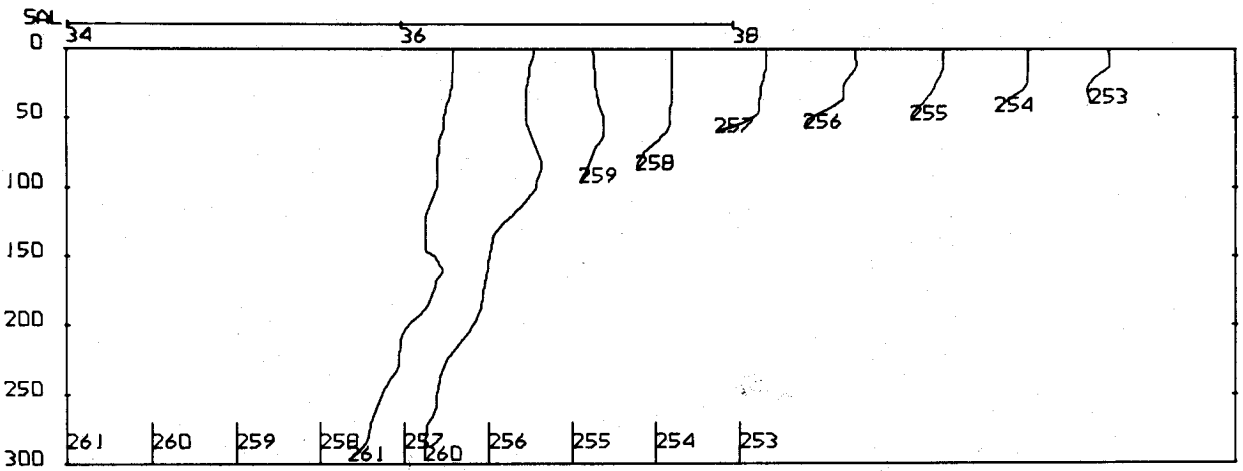
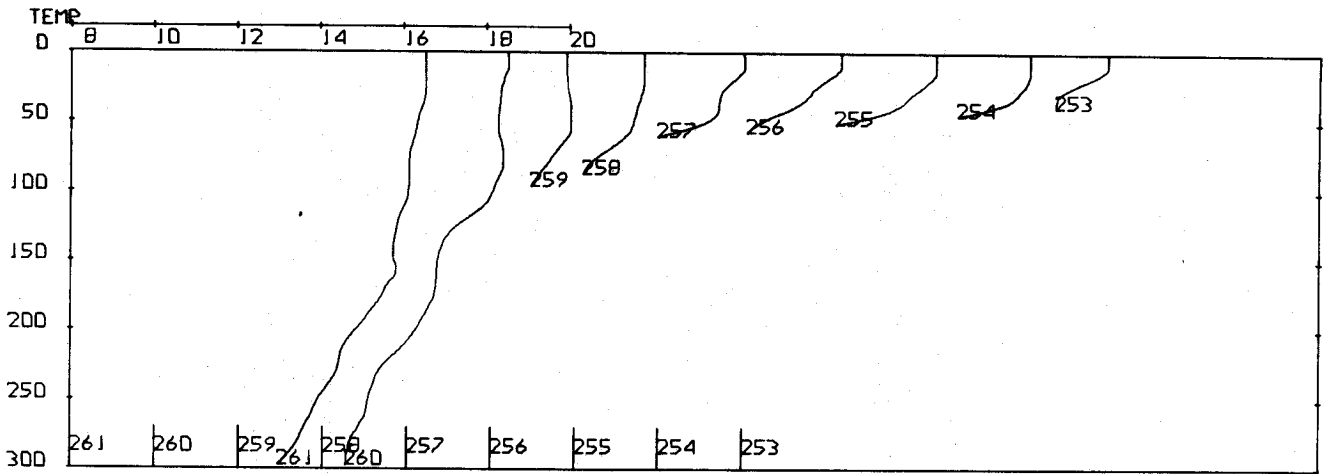
DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.59	36.47	26.52	152.6	0	0
10	17.59	36.47	26.52	153.3	.015	.008
20	17.59	36.47	26.52	153.3	.031	.031
30	17.59	36.47	26.52	153.7	.046	.069
40	17.59	36.47	26.52	154.0	.061	.123
50	17.59	36.47	26.52	154.4	.077	.192
60	17.59	36.47	26.52	154.7	.092	.277
70	17.58	36.47	26.53	154.8	.108	.378
80	17.52	36.47	26.54	153.8	.123	.494
90	17.16	36.42	26.59	149.4	.138	.623
100	16.76	36.37	26.65	144.1	.153	.762
110	16.72	36.37	26.66	143.6	.167	.913
120	16.54	36.36	26.69	140.6	.182	1.077
130	16.17	36.30	26.73	137.2	.195	1.251
140	16.00	36.27	26.75	135.5	.209	1.435
150	15.74	36.23	26.78	133.3	.223	1.630
160	15.55	36.20	26.80	131.7	.236	1.835
170	15.43	36.19	26.82	129.8	.249	2.050
180	15.23	36.15	26.83	129.0	.262	2.276
190	15.09	36.13	26.85	128.0	.275	2.514
200	14.98	36.11	26.86	127.3	.287	2.763
225	14.36	35.96	26.88	125.8	.319	3.437
250	13.82	35.86	26.91	122.8	.350	4.170
296	13.34	35.75	26.93	122.4	.406	5.708

CAST NO250 LAT 21 40.0 DATE 4/ 6/74 TIME 300  
 STATION L98 LONG 17 48.0 DPTH 914 PROBE STD  
 SWELL DIR 10 HT 11 PER 7 BAR 9.5 WEATHER 2  
 WIND DIR 10 SPD 20 CLOUD TYPE 3- 0 AMOUNT 1  
 AIR TEMP 16.8 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.53	36.47	26.52	152.6	0	0
10	17.60	36.47	26.52	153.2	.015	.008
20	17.61	36.47	26.52	153.8	.031	.031
30	17.60	36.47	26.52	153.9	.046	.069
40	17.55	36.46	26.52	154.1	.061	.123
50	17.54	36.45	26.52	154.7	.077	.192
60	17.54	36.45	26.52	155.0	.092	.278
70	17.49	36.44	26.53	154.8	.108	.378
80	17.42	36.43	26.53	154.3	.123	.494
90	17.23	36.41	26.57	151.7	.139	.625
100	16.86	36.38	26.63	146.1	.153	.766
110	16.47	36.31	26.67	142.1	.168	.917
120	16.31	36.30	26.70	139.8	.182	1.079
130	16.19	36.29	26.72	138.5	.196	1.252
140	16.10	36.27	26.73	138.0	.210	1.439
150	15.97	36.26	26.75	136.2	.223	1.638
160	15.73	36.24	26.79	132.9	.237	1.846
170	15.53	36.20	26.81	131.2	.250	2.064
180	15.39	36.17	26.81	131.0	.263	2.293
190	15.13	36.12	26.83	129.4	.276	2.534
200	14.90	36.06	26.84	128.8	.289	2.786
225	14.62	36.03	26.87	126.2	.321	3.461
250	13.73	35.83	26.91	123.3	.352	4.206
288	13.29	35.77	26.96	119.7	.398	5.443

CAST NO252 LAT 21 40.0 DATE 4/ 6/74 TIME 633  
 STATION L10 LONG 18 0 DPTH 1230 PROBE STD  
 SWELL DIR 0 HT 7 PER 7 BAR 9.1 WEATHER 2  
 WIND DIR 30 SPD 20 CLOUD TYPE 4- 0 AMOUNT 7  
 AIR TEMP 16.9 WET BULB 15.0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	17.46	36.41	26.51	154.0	0	0
10	17.46	36.41	26.51	154.3	.015	.008
20	17.46	36.41	26.51	154.7	.031	.031
30	17.46	36.41	26.51	155.0	.046	.069
40	17.46	36.41	26.51	155.3	.062	.124
50	17.46	36.41	26.51	155.7	.077	.194
60	17.46	36.41	26.51	156.0	.093	.280
70	17.46	36.41	26.51	156.3	.109	.381
80	17.41	36.41	26.52	155.6	.124	.498
90	17.13	36.41	26.59	149.4	.140	.628
100	16.95	36.41	26.65	143.7	.154	.767
110	16.66	36.37	26.67	142.0	.168	.917
120	16.53	36.35	26.69	141.1	.183	1.080
130	16.41	36.32	26.69	141.0	.197	1.256
140	16.28	36.29	26.70	140.2	.211	1.446
150	16.09	36.25	26.71	139.6	.225	1.649
160	15.97	36.23	26.73	138.7	.239	1.864
170	15.91	36.23	26.74	137.7	.252	2.092
180	15.87	36.23	26.75	137.1	.266	2.333
190	15.80	36.23	26.76	136.2	.280	2.585
200	15.73	36.21	26.77	136.0	.293	2.851
225	15.46	36.18	26.80	133.2	.327	3.566
250	14.81	36.06	26.86	128.6	.360	4.341
297	13.58	35.84	26.95	120.7	.418	5.934



CAST NO253 LAT 21 40.0 DATE 4/ 6/74 TIME 2112  
 STATION L01 LONG 17 6.0 DPTH 35 PROBE STD  
 SWELL DIR 0 HT 6 PER 7 BAR 8.1 WEATHER 2  
 WIND DIR 350 SPD 20 CLOUD TYPE 0-0 AMOUNT 0  
 AIR TEMP 0 WET BULB 0

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.36	36.23	26.52	153.3	0	0
10	16.33	36.24	26.53	152.2	.015	.008
20	16.24	36.16	26.60	145.9	.030	.030
30	15.84	36.12	26.77	135.3	.044	.065
39	15.55	36.12	26.74	133.7	.056	.107

CAST NO254 LAT 21 39.2 DATE 4/ 6/74 TIME 2210  
 STATION LONG 17 5.3 DPTH 49 PROBE STD  
 SWELL DIR 0 HT 6 PER 7 BAR 8.8 WEATHER 2  
 WIND DIR 350 SPD 18 CLOUD TYPE 8-0 AMOUNT 1  
 AIR TEMP 17.2 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.99	36.25	26.50	154.8	0	0
10	16.97	36.25	26.51	154.7	.015	.008
20	16.90	36.24	26.52	153.9	.031	.031
30	16.64	36.21	26.55	150.8	.046	.069
40	15.95	36.13	26.65	141.7	.061	.121
45	15.20	36.05	26.76	131.5	.068	.150

CAST NO255 LAT 21 40.0 DATE 4/ 6/74 TIME 2312  
 STATION L02 LONG 17 12.9 DPTH 55 PROBE STD  
 SWELL DIR 0 HT 6 PER 7 BAR 8.8 WEATHER 3  
 WIND DIR 350 SPD 17 CLOUD TYPE 7-0 AMOUNT 7  
 AIR TEMP 17.0 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.72	36.24	26.56	149.4	0	0
10	16.71	36.24	26.56	149.5	.015	.007
20	16.53	36.22	26.59	147.5	.030	.030
30	16.10	36.16	26.64	142.4	.044	.066
40	15.55	36.11	26.71	136.6	.058	.115
50	14.43	36.05	26.83	115.7	.071	.172
51	14.25	36.04	26.86	112.6	.072	.178

CAST NO256 LAT 21 40.0 DATE 4/ 7/74 TIME 1  
 STATION LONG 17 15.0 DPTH 60 PROBE STD  
 SWELL DIR 0 HT 4 PER 6 BAR 8.8 WEATHER 1  
 WIND DIR 350 SPD 14 CLOUD TYPE 6-0 AMOUNT 2  
 AIR TEMP 16.9 WET BULB 14.9

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.44	36.21	26.60	145.4	0	0
10	16.42	36.22	26.61	144.8	.015	.007
20	16.02	36.17	26.67	139.9	.029	.029
30	15.65	36.13	26.72	134.5	.042	.063
40	15.19	36.09	26.75	128.4	.056	.109
50	14.45	35.95	26.85	123.7	.068	.165
57	14.13	35.90	26.88	120.5	.077	.211

CAST NO257 LAT 21 40.0 DATE 4/ 7/74 TIME 38  
 STATION L03 LONG 17 18.0 DPTH 64 PROBE STD  
 SWELL DIR 0 HT 4 PER 6 BAR 8.8 WEATHER 3  
 WIND DIR 340 SPD 12 CLOUD TYPE 3-0 AMOUNT 6  
 AIR TEMP 17.9 WET BULB 15.5

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.11	36.18	26.55	149.2	0	0
10	16.12	36.18	26.55	149.8	.014	.007
20	15.82	36.16	26.70	136.2	.029	.028
30	15.52	36.14	26.76	131.3	.041	.061
40	15.46	36.13	26.76	131.1	.054	.107
50	15.14	36.10	26.81	125.5	.067	.165
60	14.71	35.87	26.88	120.4	.080	.232
60	14.01	35.87	26.89	120.4	.080	.232

CAST NO258 LAT 21 40.0 DATE 4/ 7/74 TIME 126  
 STATION LONG 17 21.0 DPTH 91 PROBE STD  
 SWELL DIR 0 HT 4 PER 6 BAR 8.8 WEATHER 1  
 WIND DIR 340 SPD 11 CLOUD TYPE 3-0 AMOUNT 4  
 AIR TEMP 16.9 WET BULB 14.6

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.74	36.12	26.69	136.5	0	0
10	15.73	36.12	26.70	136.6	.014	.007
20	15.71	36.12	26.70	135.6	.027	.027
30	15.54	36.11	26.71	134.1	.041	.061
40	15.51	36.11	26.73	134.1	.054	.109
50	15.44	36.10	26.77	131.0	.068	.169
60	15.26	36.08	26.77	131.0	.081	.242
70	14.82	35.99	26.80	124.6	.094	.326
80	14.59	35.92	26.84	121.1	.107	.421
87	14.23	35.90	26.86	121.5	.115	.494

CAST NO259 LAT 21 40.0 DATE 4/ 7/74 TIME 203  
 STATION L04 LONG 17 24.0 DPTH 100 PROBE STD  
 SWELL DIR 0 HT 4 PER 6 BAR 8.1 WEATHER 2  
 WIND DIR 340 SPD 8 CLOUD TYPE 3-0 AMOUNT 4  
 AIR TEMP 16.6 WET BULB 15.1

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	15.89	36.14	26.67	134.3	0	0
10	15.89	36.15	26.68	133.8	.014	.007
20	15.91	36.16	26.65	133.0	.028	.028
30	15.96	36.17	26.68	133.6	.041	.062
40	16.01	36.19	26.69	133.6	.055	.111
50	16.10	36.20	26.65	133.3	.069	.173
60	15.83	36.21	26.73	135.2	.083	.240
70	15.63	36.17	26.75	133.0	.096	.335
80	15.38	36.12	26.78	131.1	.109	.434
90	15.13	36.09	26.81	128.5	.122	.545
96	14.99	36.06	26.82	127.9	.130	.616

CAST NO260 LAT 21 40.0 DATE 4/ 7/74 TIME 315  
 STATION L05 LONG 17 30.0 DPTH 640 PROBE STD  
 SWELL DIR 0 HT 4 PER 6 BAR 8.1 WEATHER 3  
 WIND DIR 340 SPD 8 CLOUD TYPE 6-0 AMOUNT 7  
 AIR TEMP 17.0 WET BULB 15.3

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.51	36.29	26.65	141.1	0	0
10	16.50	36.27	26.63	142.7	.014	.007
20	16.36	36.25	26.65	141.2	.028	.028
30	16.29	36.24	26.66	140.8	.042	.064
40	16.26	36.24	26.67	140.4	.057	.113
50	16.23	36.24	26.67	140.1	.071	.176
60	16.30	36.27	26.68	139.8	.085	.253
70	16.38	36.31	26.69	139.1	.099	.344
80	16.37	36.33	26.71	137.9	.112	.448
90	16.23	36.32	26.73	135.6	.126	.564
100	16.10	36.30	26.75	134.7	.140	.692
110	15.89	36.25	26.76	134.2	.153	.833
120	15.46	36.15	26.78	132.1	.166	.986
130	15.05	36.07	26.81	129.8	.179	1.149
140	14.44	36.03	26.83	128.1	.192	1.323
150	14.76	36.02	26.84	127.6	.205	1.509
160	14.73	36.01	26.83	128.2	.218	1.707
170	14.70	35.99	26.83	128.8	.231	1.919
180	14.60	35.98	26.84	128.0	.244	2.144
190	14.41	35.96	26.86	126.1	.256	2.379
200	14.22	35.92	26.88	124.9	.269	2.624
225	13.46	35.76	26.91	122.1	.300	3.282
250	13.39	35.70	26.94	119.9	.330	3.998
297	12.55	35.63	27.00	115.7	.385	5.513

CAST NO261 LAT 21 40.0 DATE 4/ 7/74 TIME 458  
 STATION L06 LONG 17 36.3 DPTH 823 PROBE STD  
 SWELL DIR 0 HT 4 PER 6 BAR 8.5 WEATHER 1  
 WIND DIR 330 SPD 8 CLOUD TYPE 8-0 AMOUNT 2  
 AIR TEMP 17.3 WET BULB 14.8

DEPTH	TEMP	SAL	SIGMA	SVA	DELD	POTE
0	16.55	36.31	26.65	140.5	0	0
10	16.55	36.31	26.65	140.9	.014	.007
20	16.55	36.31	26.65	141.2	.028	.028
30	16.51	36.29	26.65	142.1	.042	.064
40	16.41	36.27	26.65	141.8	.057	.113
50	16.31	36.25	26.66	141.1	.071	.177
60	16.23	36.24	26.67	140.5	.085	.254
70	16.13	36.22	26.68	140.1	.099	.345
80	16.10	36.21	26.68	140.4	.113	.451
90	16.09	36.22	26.69	139.8	.127	.570
100	16.05	36.22	26.69	140.1	.141	.703
110	15.99	36.18	26.68	141.3	.155	.850
120	15.83	36.14	26.69	140.9	.169	1.013
130	15.76	36.14	26.70	139.7	.183	1.188
140	15.72	36.14	26.71	139.1	.197	1.376
150	15.77	36.17	26.73	138.3	.211	1.574
160	15.76	36.23	26.77	134.1	.224	1.788
170	15.51	36.20	26.81	130.9	.238	2.006
180	15.33	36.17	26.83	129.7	.251	2.234
190	15.04	36.12	26.85	128.0	.264	2.472
200	14.81	36.04	26.84	126.7	.276	2.723
225	14.40	35.98	26.88	125.2	.308	3.396
250	13.90	35.88	26.91	123.2	.339	4.133
297	12.96	35.68	26.95	120.0	.396	5.687