

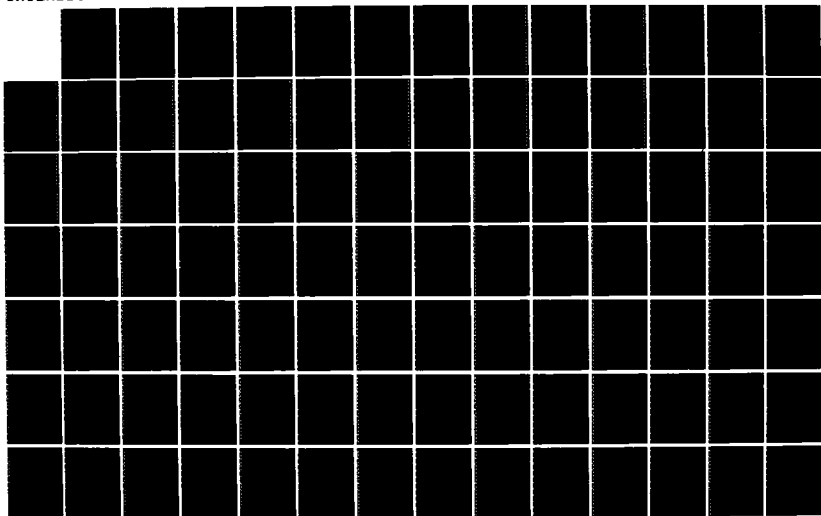
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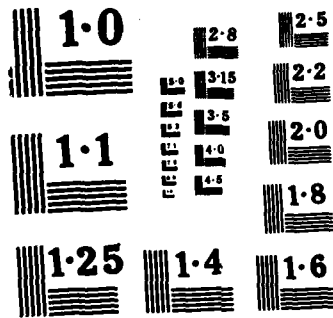
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MICROCOPY RESOLUTION TEST CHART

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MARGINAL ICE ZONE EXPERIMENT - 1984  
PHYSICAL OCEANOGRAPHY REPORT:  
USNS LYNCH and HELICOPTER-BASED STD DATA

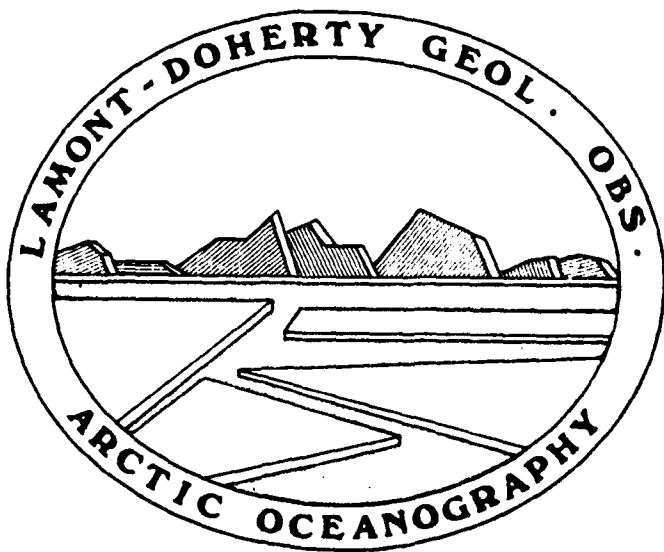
by T.O. Manley

TECHNICAL REPORT

LDGO - 85 - 7

Department of the Navy  
Office of Naval Research  
Contract N00014-84-C-0132

December 1985



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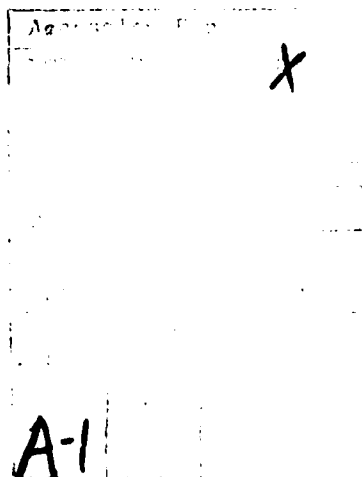
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Lamont-Doherty Geological Observatory  
of Columbia University  
Palisades, New York 10964-0190

December 1985

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## ABSTRACT

During the summer of 1984, the Arctic Oceanography Department of Lamont-Geological Observatory acquired a total of 222 helicopter-based C/STD stations within the ice-covered region of the Fram Strait to a nominal depth of 500 m. This program was accomplished as part of an international experiment known as MIZEX East 1984. The two ships used in helicopter operations, the F/S Polarstern and the M/V Polarqueen.

The USNS Lynch was also used to obtain 26 CTD stations from two separate legs into the Fram Strait. The first leg primarily consisted of an open water transect of the strait at a latitude of 79°N. Stations were typically taken to within 10 m of the bottom and extended from the ice edge onto the shelf of Svalbard. The second leg was more acoustically oriented and confined to the southern region of the Yermak Plateau. During this leg, 11 stations to a nominal depth of 450 m were taken.

Standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity are given for each cast along with profiles of temperature, salinity and sigma-t.

This technical report outlines the acquisition and basic reduction techniques of these data.

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## INTRODUCTION

The Fram Strait, located between Greenland and Spitzbergen, is a region of intense interaction between the ice-covered, cooler and less saline waters that exit the Arctic Ocean as the southward flowing East Greenland Current and the inflowing warmer and more saline water from the Atlantic which moves northward as the West Spitzbergen Current.

The transitional region between the open ocean and the more stable interior sea-ice can be loosely defined as the marginal ice zone (MIZ), however, the interpretation of this definition depends largely on the time and space scales over which specific processes occur. These processes can range from global climatic variations that operate over time and space scales from tens to thousands of years and millions of square kilometers, to more local dynamics of air-sea-ice interaction that last for a few days and are confined to regions of less than a hundred square kilometers. Because of the large reflective properties of sea ice to incoming solar radiation, the marginal ice zones can play an important role in local climate conditions, as well as climatological patterns of the world (Barry, 1983). For example, over the course of an average year, the difference between the minimum and maximum areal extent of sea ice for both the Arctic and Antarctic is roughly 10 million square kilometers or 2% of the earth's surface (Nazarov, 1963).

Unfortunately, these regions still remain poorly understood, and questions relating to the dominant or controlling forces that determine the position of the ice edge, associated feedback mechanisms, and the importance of mesoscale processes in the transfer of heat, salt, momentum, and biomass within the MIZ are only a few areas that need to be answered in these highly dynamic and specialized regions. As a result, two major scientific programs, known as the Marginal Ice Zone Experiments (MIZEX) East and West, were initi-



ated in the Arctic regions of the Fram Strait and the Bering Sea, respectively.

Mesoscale activity definitely plays an important role in the transfer of heat, salt, and momentum, across the frontal boundaries set up by these differing water masses.

Smith et al. (1985) have recently indicated that these processes may also be important in biomass exchange across the front. Based on satellite imagery of the open ocean near ice edge zones, mesoscale activity has been shown to be ubiquitous (Vinje; 1977a, 1977b). Unfortunately, these features have been rarely observed in close detail by hydrographic surveys in the open ocean area of the Fram Strait, and even fewer observations are recorded beneath the ice-covered regions of the Arctic Ocean and MIZ.

To help carry out these needed investigations over the open and ice-covered parts of the marginal ice zone, the Lamont group obtained C/STD data from the open water ship USNS Lynch, as well as from helicopters based on the Norwegian M/V Polarqueen and the West German icebreaker F/S Polarstern (Fig. 1). In many cases these helicopter surveys were closely coordinated with open water STD surveys.

During the time period from mid-May to mid-July, the Lamont group acquired a total of 248 CTD stations within this region. Twenty-six of these were open-water stations taken during two separate legs of the USNS Lynch which was equipped with a Neil Brown CTD system. The first leg was primarily used for mooring deployments, recoveries, and a CTD transect of the strait from the local ice-edge ( $\sim 0^\circ$  longitude) to the shelf of Svalbard along a constant latitude of  $79^\circ\text{N}$ . The first 3 CTD stations were mooring-related and did not necessarily penetrate to the bottom, however, the remaining 12 transect stations extended to within 10 m of the bottom.

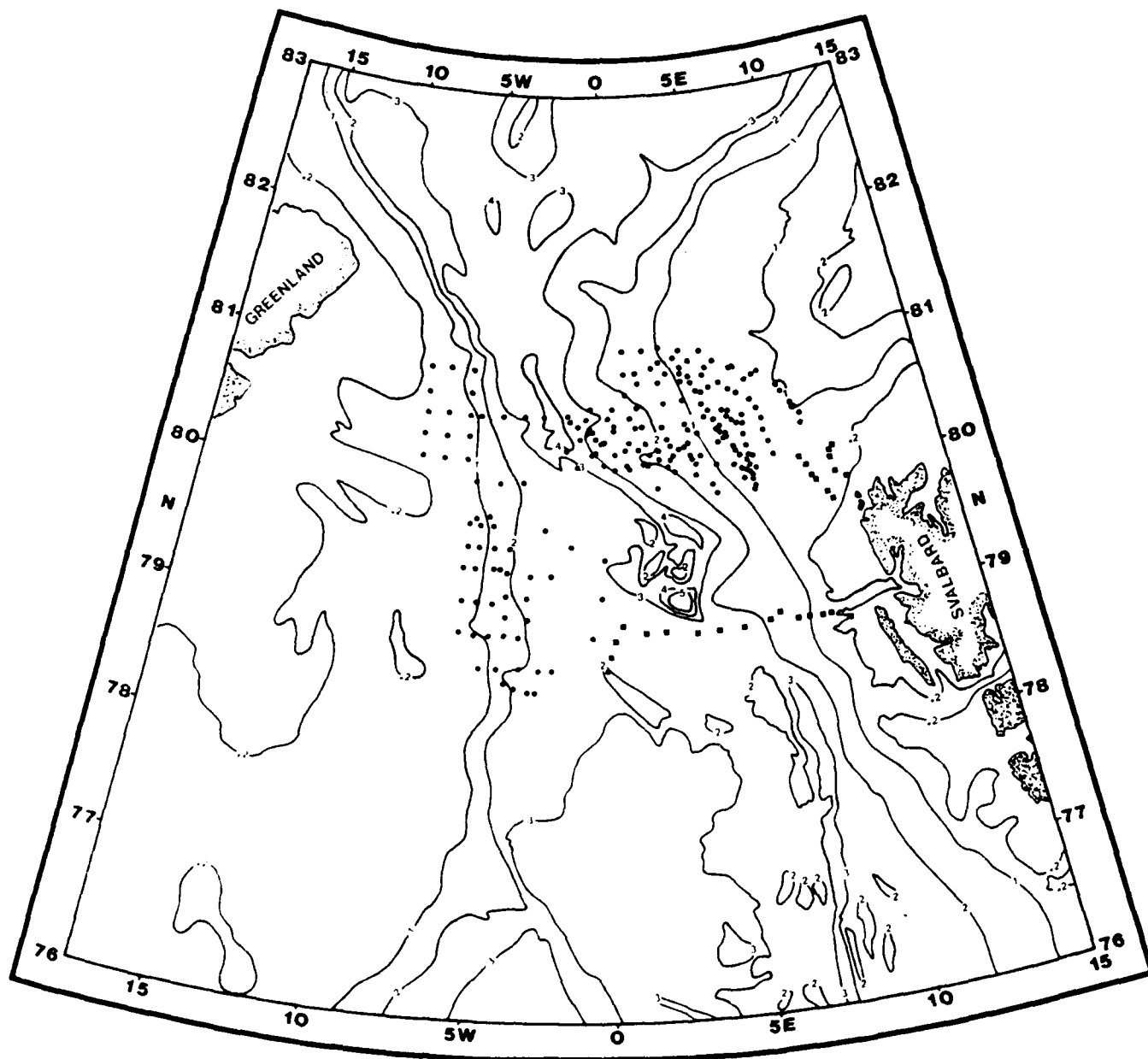


Figure 1 - Positions of the 222 helicopter-based C/STD stations (dots) in Fram Strait. Of these, several were taken on board ship as part of intercalibration procedures. Positions of 26 Lynch stations (squares) are also shown. Contours show bottom topography in kilometers.

The second leg of the USNS Lynch dealt primarily with acoustical oceanography, and as a result only 11 CTD stations were taken. All of these were taken to a nominal depth of 450 m and were located over the southern part of the Yermak Plateau.

#### PHYSICAL OCEANOGRAPHY PROGRAM

As the second part of a multi-year experiment in the Marginal Ice Zone of the Fram Strait (MIZEX 84 East), seven ships (the USNS Lynch, M/V Polarqueen, M/S Hakon Mosby, M/V Kvitbjorn, F/S Polarstern, F/S Valdivia, and the H/U Overdrup), along with eight remote sensing aircraft, one meteorological aircraft and four helicopters were used to begin a set of air, sea, and ice observations to better define the role of mesoscale dynamics in the MIZ (Johannessen and Horn, 1984).

In order to better define the upper layer hydrography of the interior regions of the pack ice where ship mobility became very difficult, as well as to support the continuation of open water ship-based CTD transect lines into the ice, high-resolution, internally recording, helicopter-based C/STD systems (model 302A) manufactured by Ocean Data Equipment were used extensively from the F/S Polarstern and M/V Polarqueen. Three of the helicopters used in the field were Bell 206B Jet Rangers, while the fourth (based on the F/S Polarstern) was an AéroSpécial Twin Star.

The underwater unit itself was small (1 m x 13 cm in diameter), lightweight (20 kg), completely self-contained, and possessed digital resolution of .002 mS/cm, .001°C, and .1 db for conductivity, temperature, and pressure, respectively. Temperature, conductivity, and pressure data were serially stored in a one megabit solid state memory using a constant sampling rate of

5 scans per second. After the completion of a given station, data was transferred to cassette tapes via a battery operated reader/recorder unit. The cassette data were reviewed at the site to verify a good cast, as well as to check for specific horizons of temperature and salinity, before flying to the next station.

During a normal field day, 8 to 10 pre-selected locations (comprising a survey) were occupied in the MIZ. Station depths were nominally set at 500 m. These stations took approximately 8 hours to complete, although such factors as inter-station distance, distance from the ship, depth of station, selected survey pattern, and ice conditions could alter this time by  $\pm 3$  hours. A C/STD station to 500 m depth normally took 40 minutes to complete, while transit time in helicopter to the next location (4-10 nautical miles (nm)) was typically 10 minutes. Two of the major factors controlling flight operations in this area were weather conditions and radio communications.

Station position was determined by three different methods: 1) radar transponder, 2) Omega/VLF, and 3) dead reckoning. In surveys where stations were close to the ship and accuracy was required, the helicopter was tracked on the ship's radar via a radar transponder mounted on the helicopter and tuned to the correct frequency. This method was employed quite successfully during the first part of the experiment. At distances around 40 nm, relative positions were good to  $\pm 100$  meters. At shorter distances, less than 10 nm, the fixes were good to  $\pm 10$ 's of meters. When fog was a problem transponders were also used in guiding the helicopter back to the ship.

Omega/VLF, on the other hand, allows more flexibility of the helicopter since longer flights away from the ship can be made and not as many shipboard personnel are required. Accuracy of Omega/VLF in this area of the globe depends on the number of sending stations being monitored by the on board computer but will be generally within  $\pm 150$  meters.

Occasionally during a survey the Omega/VLF system on board the helicopter lost the necessary number of transmitting stations required for proper functioning. In these cases, it was much better to navigate using dead reckoning techniques from the point of last valid position. This took into consideration the ground speed and heading of the helicopter (air velocity minus estimated wind velocity) and the time required to get from one point in the survey grid to another. Although not as acceptable as Omega/VLF, it was by far the best method when all else failed. Error estimates for this type of navigation are given to  $\pm 300$  m and reflects the typical errors encountered when returning to the ship, which had known position.

After the desired position was obtained, the closest available floe with good deployment and landing characteristics was selected. This selection typically took place from altitudes of 1,000 - 3,000 feet which were necessary for radio communications from the ship. If the desired position was not acceptable because of bad ice edge conditions or its location in the middle of a large multiyear floe, then the first available site for deployment within the immediate vicinity was chosen. The pilot provided a closer survey of the floe, and if still acceptable, landed after the most up-to-date position was recorded.

The sonde was lowered and raised at two different rates, 20 m/min in the upper 200 meters where extreme gradients in temperature and conductivity were found, and 30 m/min from 200 to 500 m where gradients were much less severe. The slower rate near the surface was used primarily to obtain more acceptable results in the calculated salinity profile where rapidly changing fine structure and extreme gradients can frequently cause spiking due to the variation in the response times of the individual sensors. After transferring data to cassette and verifying the quality of the data, the Omega/VLF system (if used) was reinitialized to the latitude and longitude prior to landing. Because the

Omega/VLF could not successfully lock onto stations while on the ice, several hundred feet of altitude had to be obtained. Site position was entered into the navigation system as the final flyby over the site was made subsequent to the system acquiring the minimum number of Omega and VLF transmitting stations.

Subsequent C/STD stations in the survey were completed depending upon the weather, radio communications, and occasionally a refueling of the helicopter on board ship. After completion of the survey, temperature and salinity profiles were made for each station using an X-Y-Y analog plotter while on board the ship. These profiles were merged with other existing data sets in order to provide a better understanding of the oceanographic features present at that time and to provide a base upon which to set up future surveys.

When time and operations permitted, the deck unit was used to transfer the cassette data to a Hewlett-Packard 1000 series computer for storage on 9-track tape. The deck unit software was designed to mimic the output data stream of the Neil Brown deck unit. This allowed the use of existing acquisition software developed by Woods Hole Oceanographic Institution for Neil Brown STDs to be used on the Hewlett-Packard computer. The resulting 9-track tape can be reduced on other computers using data reduction programs in common use by the oceanographic community.

This conversion to 9-track tapes at sea not only obviates the need to bring all of the cassettes immediately back to the institution, but also speeds up the processing time.

A more detailed account of the helicopter-based C/STD systems, both electro-mechanical and field operations, are given by Manley and Perti (1984).

Between June 12 and July 17, 222 helicopter-based C/STD stations comprising several major surveys were completed as far as 100 km away from the mother ships (Fig. 1). Twenty of these stations were taken on board ship in

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conjunction with Neil Brown stations for inter-calibration purposes. On the other hand, the USNS Lynch was not ice-strengthened, and as a result was restricted entirely to the open water. The ship was equipped with an up-to-date Neil Brown data acquisition system consisting of a Mark IIIB Neil Brown underwater unit, and a model 1150 Neil Brown deck unit which was integrated with a Digi data 9-track recorder. Also associated with the CTD system was a reel-to-reel audio recorder and an HP 98 series acquisition/plotter combination. Salinity samples were taken with a General Oceanics 12-bottle rosette system which was mounted directly above the Neil Brown CTD. Analysis of the salinity bottles was accomplished on the shipboard Guildline Autosal within 10 days of the sample acquisition.

#### C/STD DATA PROCESSING

##### Helicopter-based 302s

Since pre- and post-cruise calibrations of the helicopter units (completed at Northwest Regional Calibration center, NWRCC) showed no significant deviations in either pressure, temperature or conductivity, no precursory calibrations were required before the processing of the data.

Temperature lag coefficients,  $\tau$ , for each sensor were, however, required prior to decimation. This was accomplished by intercomparing the up and downtraces of random stations throughout the entire data set using different time constants. Best fit for a given station was determined when the ascending and descending parts of the cast on a T-S diagram were nearly congruent. From these comparisons it was determined that the best overall fits occurred when  $\tau$  was set at 0.31 and 0.27 seconds for the Polarstern and Polarqueen helicopter CTDs, respectively.

Raw data from each instrument were decimated into a uniform pressure series (1.0 db) using a linear interpolation scheme with a window of 7 scans centered around the desired level.

Irregularities or spikes in the decimated data were then subjectively removed. In most cases these were single points that were taken out and did not interrupt the uniform pressure series. Occasionally, segments of data would have to be removed and would either be replaced by interpolated data or left alone. These decisions were again subjective and depended largely on the local conductivity and temperature structure.

At the same time, the upper 2-4 meters of data (estimated thickness of the ice) were automatically removed from each station. This was done to prevent misinterpretations of the results which were attributable to the methodology of taking the station (i.e., through seal holes or off the edge of a floe).

#### USNS Lynch CTD

Although there were various formats used for recording the Neil Brown CTD data, only the digital 9-track output and the reel-to-reel audio tapes were used. Unfortunately, 5 of the 26 stations recorded in the digital format proved to be useless due to recorder problems. As a result, audio tapes were used to reconstruct these stations back into 9-track data. Even though some of the audio tapes produced noisy data, subsequent processing cleared up most of these problems.

Although not typically done in Neil Brown CTD data processing, the initial decimation of the data to 1.0 db intervals was made via an eleven point average centered around the desired level. This was due to the



formatting and processing control between the Neil Brown CTD-produced data tapes and that of the specialized processing software requiring CTD78 formatted tapes.

As mentioned earlier, the stations reproduced via audio conversion to 9-track were somewhat noisy. In order to smooth these data and be consistent with the remainder of the stations, a 5 point Gaussian filter was employed on all of the decimated data. Post-processing irregularities or spikes in the data were handled in a similar way as that of the helicopter-based C/STD data.

#### C/STD CALIBRATION

As mentioned earlier, preliminary calibration for each of the instruments was obtained from pre-cruise and post-cruise calibrations. Helicopter units were calibrated at NWRCC (Seattle WA), while the Neil Brown unit on board the Lynch was calibrated at the NORDA facility in Bay St. Louis, MS.

Bottle data provided the final calibration for the salinity data. In the case of the Lynch data, this was the final step before the production of the data report, however, the helicopter-based C/STDs required one more calibration process in order to fine-tune all of the data to that of the Neil Brown CTD data obtained during the Polarqueen and Polarstern intercalibration stations. Since the same salinity samples were used for calibration of the Neil Brown and ODEC CTDs, no further calibration was required on this data. Pressure deviations also proved to be within specification for both instruments and hence was not readjusted. Temperature deviations, even though very slight (less than 0.005°C), were taken into consideration and adjusted accordingly in order to produce the final results contained within this technical report.

### OUTPUT FORMAT OF FINAL DATA

Output of the final data is provided in three different formats consisting of 1) station headers, 2) standard level listings, and 3) profiles of temperature, salinity and sigma-t ( $T, S, \sigma_t$ ) versus depth.

Station header listings provide a quick glance section of all the basic station information and are found directly in front of each data section for the USNS Lynch and helicopter-based C/STDs. The information contained within these listings includes the consecutive station number; the ship from which the data was taken, or for helicopter data, the ship from which the helicopter was based; the day, month, year, corresponding julian day of the start of the station; the minimum and maximum depths contained within the profile; and finally, the station position and associated position errors. Table 2 defines more explicitly the meanings and abbreviations used in the station header listings.

In general, two profiles of  $T, S, \sigma_t$  are graphically shown on one page of the data report. On the facing page, the corresponding standard level listings of the station are shown. The standard level data consist of the parameters relating to the station, and in some cases are abbreviated to save space. The meanings of these abbreviated terms are given in Table 2.

TABLE 1

DEFINITIONS AND MEANINGS OF ABBREVIATED TERMS

FOR STATION HEADER LISTINGS

CAMP	Project Identifier
SH	Ship from which data was taken, or if helicopter data, ship on which helicopter was based: PQ = <u>Polarqueen</u> PS = <u>Polarstern</u> LY = <u>Lynch</u>
STAT	CTD Station Number
MODE	1 implies downtrace 2 implies uptrace
DAY	Day of Station
MON	Month of Station
YR	Year of Station
TIME	GMT Time of Station
CODE	Processing Code, see Table 2
JULDAY	Julian Day (decimal) of station (1.0 = 1 Jan 1984)
D.MIN	Minimum Depth (meters) of station
D.MAX	Maximum Depth (meters) of station
LATITUDE	Latitude of station in decimal degrees
LONGITUDE	Longitude of station in decimal degrees (+ indicates East Longitude) (- indicates West Longitude)
LAT.ERR	Error of Latitude Position in meters
LNG.ERR	Error of Longitude Position in meters

TABLE 2

DEFINITIONS AND MEANINGS OF ABBREVIATED TERMS FOR STANDARD LEVEL LISTINGS

Station xxx (y)	Station number (xxx) and mode of trace (y) where:
CTD	Station taken with CTD y = 1 indicates downtrace y = 2 indicates uptrace
GMT	Times shown are Greenwich Mean Time
Code = I	Processing Code where I =
	A) 1 -> 5 profile contains both temperature and salinity data.
	1) data from magnetic tape
	2) data from manual digitization of analog charts
	3) filtered in salinity only
	4) filtered in temperature only
	5) filtered in both temperature and salinity
	B) 11 -> 13 profile is in salinity only
	11) data from magnetic tape
	12) data from manual digitization of analog charts
	13) filtered
	C) 21 -> 23 profile in temperature only
	21) data from magnetic tape
	22) data from manual digitization of analog charts
	23) filtered
LAT	Latitude in decimal degrees N (North)
LONG	Longitude in decimal degrees W (West), E (East)
LTER	Estimate of positional error for latitude in meters
LGER	Estimate of positional error for longitude in meters
AIR TEMP	Air temperature in deg. C (0 implies no data)
BAROM	Barometric pressure in millibars (0 implies no data)
WIND	Wind direction in degrees true north (0 implies no data)
SPEED	Wind speed in meters/sec (0 implies no data)

TABLE 2 (continued)

LISTING PARAMETERS

DEPTH	Depth in meters
TEMP	Temperature in degrees C
PTEMP	Potential temperature in degrees C
SALIN	Salinity in parts per thousand
SIG T	Sigma-t density where: density ( $\text{gm}/\text{cm}^3$ ) = 1.0 ((Sig T) * 1000.0)
SPVOL	Specific volume anomaly ( $\times 10^{-5} \text{cm}^3/\text{gm}$ )
DYNHT	Dynamic height (dynamic meters)
SOUND	Sound velocity in meters/sec calculated from Matthews equation

The main body of the numerical listings consists of values of temperature, potential temperature, salinity, sigma-t ( $\sigma_t$ ), specific volume anomaly, dynamic height and sound velocity against various interpolated levels of depth. Since upper surface layer data may be omitted from the data set (ice thickness removal), surface (0 m) values of temperature and salinity are duplicated from the first data seen in the cast. The actual first and last levels of the data are shown as the first value below the depth of 0.0 meters and the last value of the listing, respectively.

Corresponding profiles of temperature, salinity and sigma-t for each standard level listing are shown on the facing page. The label at the end of each trace (T,S, $\sigma_t$ ) indicates the parameter of temperature, salinity and sigma-t, respectively. Scales at the upper part of the diagram are labeled to correspond to the parameters and are also shifted with respect to one another to provide the maximum amount of clarity of the traces. Depth is in meters. Station identification and data are in the lower left hand corner in the following format:

MIZEX 84 (or LYNCH)            STN-MOD  
MONTH - DAY - YEAR

where

STN    is the station number  
MOD    is the mode    (1 = downtrace)  
                                  (2 = uptrace)

Those stations having depths greater than 700 m are placed on a single page. The corresponding profiles are broken up into an expanded 0 to 700 m plot on the left side, which is consistent with all other profiles in the report, as well as the 0 to 4000 m plot which shows the remainder of the data and can be used to intercompare other deep stations, if desired.

#### ACKNOWLEDGMENTS

The field work was supported by the Office of Naval Research under contract N00014-76-C-004, while data processing and publication of this report was funded under contract N00014-84-C-0132. My personal thanks to Jay Ar dai who helped acquire the USNS Lynch transect data and all of the helicopter data from the M/V Polarqueen. To John Kemp (WHOI), who did an excellent job of collecting the last 11 stations during the second leg of the USNS Lynch, I wish to express my appreciation. Bruce Huber, Dennis Camp and Bill Haines continually helped me with the technical end of data processing. To them, I am gratefully indebted. Last, but not least, I wish to acknowledge the efforts of the helicopter crews on board the M/V Polarqueen and F/S Polarstern for not only flying long hours with Jay and me, but also pitching in and helping go through the rather monotonous and "cold" mechanics of station taking.

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STD DATA

This section is broken up into two color-coded parts that will hopefully aid the user in locating the helicopter-based and USNS Lynch-based data.

The first section (yellow) is the helicopter data obtained from the ships F/S Polarstern and M/V Polarqueen. These stations, although numbered differently in the field, have since been interwoven into a continuous (time sequential) data set.

The USNS Lynch data (second section, in blue), however, was intentionally kept separate from the helicopter data because of data management reasons.

At the beginning of each of the sections, a complete station header listing is given, again to further aid the user in more efficient use of the report. The abbreviated headings and their meanings are given in Table 1.



CAMP	SH	STAT	MODE	DI	MON	YR	TIME	CODP	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT. ERR	LONG. ERR
MINE	PU	71	1	26	JUN	84	932	1	178.4021	4.0	499.0	80.75000	1.00000	300.0	300.0
MINE	PU	72	1	26	JUN	84	1032	1	178.4389	5.9	499.0	80.75000	1.00000	300.0	300.0
MINE	PU	73	1	26	JUN	84	1124	1	178.4764	5.9	506.0	80.75000	1.00000	300.0	300.0
MINE	PU	74	1	26	JUN	84	1243	1	178.5140	4.0	479.0	80.75000	1.00000	300.0	300.0
MINE	PU	75	1	26	JUN	84	1523	1	178.6457	4.0	485.0	80.75000	1.00000	300.0	300.0
MINE	PU	76	1	26	JUN	84	1713	1	178.6757	3.0	485.0	80.75000	1.00000	300.0	300.0
MINE	PU	77	1	26	JUN	84	1704	1	178.7111	3.0	485.0	80.75000	1.00000	300.0	300.0
MINE	PU	78	1	26	JUN	84	1849	1	178.7474	4.0	494.0	80.75000	1.00000	300.0	300.0
MINE	PU	79	1	26	JUN	84	1902	1	178.7840	1.0	494.0	80.75000	1.00000	300.0	300.0
MINE	PS	80	1	27	JUN	84	1001	1	179.3764	1.0	515.0	80.58670	-2.01170	300.0	300.0
MINE	PS	81	1	27	JUN	84	1050	1	179.4174	3.0	515.0	80.58670	-2.01170	300.0	300.0
MINE	PS	82	1	27	JUN	84	1145	1	179.4514	4.0	520.0	80.58670	-2.01170	300.0	300.0
MINE	PS	83	1	27	JUN	84	1237	1	179.4896	4.0	520.0	80.58670	-2.01170	300.0	300.0
MINE	PS	84	1	27	JUN	84	1333	1	179.5257	3.0	527.0	80.58670	-2.01170	300.0	300.0
MINE	PS	85	1	27	JUN	84	1433	1	179.5674	3.0	535.0	80.58670	-2.01170	300.0	300.0
MINE	PS	86	1	27	JUN	84	1533	1	179.6062	2.0	535.0	80.58670	-2.01170	300.0	300.0
MINE	PS	87	1	27	JUN	84	1622	1	179.6465	4.0	497.0	80.58670	-2.01170	300.0	300.0
MINE	PS	88	1	27	JUN	84	1711	1	179.6840	2.0	497.0	80.58670	-2.01170	300.0	300.0
MINE	PS	89	1	27	JUN	84	1800	1	179.7186	2.0	497.0	80.58670	-2.01170	300.0	300.0
MINE	PS	90	1	27	JUN	84	1889	1	179.7571	2.0	497.0	80.58670	-2.01170	300.0	300.0
MINE	PS	91	1	27	JUN	84	1978	1	179.7971	2.0	497.0	80.58670	-2.01170	300.0	300.0
MINE	PS	92	1	27	JUN	84	2067	1	180.4646	2.0	497.0	80.58670	-2.01170	300.0	300.0
MINE	PS	93	1	28	JUN	84	1109	1	180.5229	3.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	94	1	28	JUN	84	1233	1	180.5549	3.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	95	1	28	JUN	84	1318	1	180.5889	2.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	96	1	28	JUN	84	1408	1	180.6236	2.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	97	1	28	JUN	84	1507	1	180.6514	2.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	98	1	28	JUN	84	1607	1	180.6715	2.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	99	1	28	JUN	84	1707	1	180.6915	2.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	100	1	28	JUN	84	1807	1	180.7115	2.0	499.0	80.58670	-2.01170	300.0	300.0
MINE	PS	101	1	29	JUN	84	1109	1	181.4543	4.0	491.0	80.42500	-5.00170	300.0	300.0
MINE	PS	102	1	29	JUN	84	1109	1	181.4543	4.0	491.0	80.42500	-5.00170	300.0	300.0
MINE	PS	103	1	29	JUN	84	1242	1	181.5232	3.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	104	1	29	JUN	84	1332	1	181.5639	3.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	105	1	29	JUN	84	1428	1	181.6039	3.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	106	1	29	JUN	84	1528	1	181.6439	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	107	1	29	JUN	84	1628	1	181.6839	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	108	1	29	JUN	84	1728	1	181.7239	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	109	1	29	JUN	84	1828	1	181.7639	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	110	1	29	JUN	84	1928	1	181.8039	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	111	1	29	JUN	84	2028	1	181.8439	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	112	1	29	JUN	84	2128	1	181.8839	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	113	1	29	JUN	84	2228	1	181.9239	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	114	1	29	JUN	84	2328	1	181.9639	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	115	1	29	JUN	84	2428	1	182.0039	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	116	1	29	JUN	84	2528	1	182.0439	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	117	1	29	JUN	84	2628	1	182.0839	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	118	1	29	JUN	84	2728	1	182.1239	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	119	1	30	JUN	84	1019	1	182.1639	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	120	1	30	JUN	84	1117	1	182.2039	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	121	1	30	JUN	84	1206	1	182.2439	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	122	1	30	JUN	84	1303	1	182.2839	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	123	1	30	JUN	84	1401	1	182.3239	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	124	1	30	JUN	84	1500	1	182.3639	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	125	1	30	JUN	84	1600	1	182.4039	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	126	1	30	JUN	84	1700	1	182.4439	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	127	1	30	JUN	84	1800	1	182.4839	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	128	1	30	JUN	84	1900	1	182.5239	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	129	1	30	JUN	84	2000	1	182.5639	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	130	1	30	JUN	84	2100	1	182.6039	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	131	1	30	JUN	84	2200	1	182.6439	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	132	1	30	JUN	84	2300	1	182.6839	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	133	1	30	JUN	84	2400	1	182.7239	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	134	1	30	JUN	84	2500	1	182.7639	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	135	1	30	JUN	84	2600	1	182.8039	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	136	1	30	JUN	84	2700	1	182.8439	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	137	1	30	JUN	84	2800	1	182.8839	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	138	1	30	JUN	84	2900	1	182.9239	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	139	1	30	JUN	84	3000	1	182.9639	4.0	495.0	80.42500	-5.00170	300.0	300.0
MINE	PS	140	1	30	JUN	84	3100	1	183.0039	4.0	495.0	80.42500	-5.00170	300.0	300.0

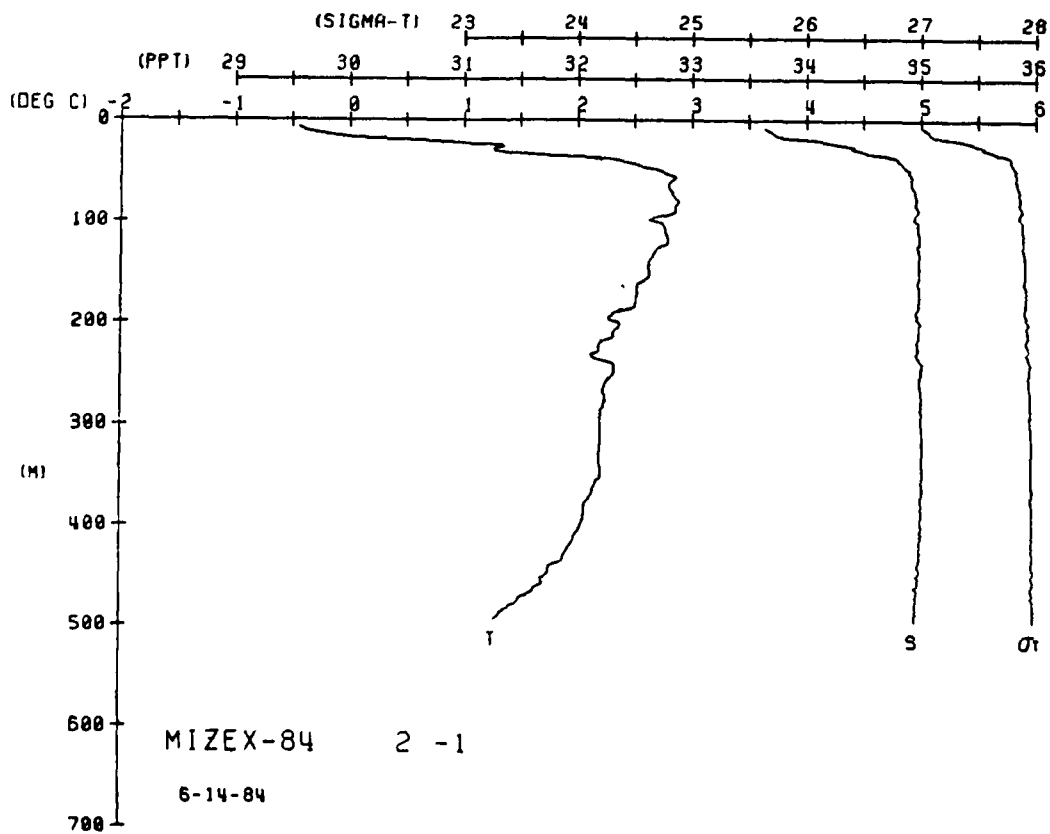
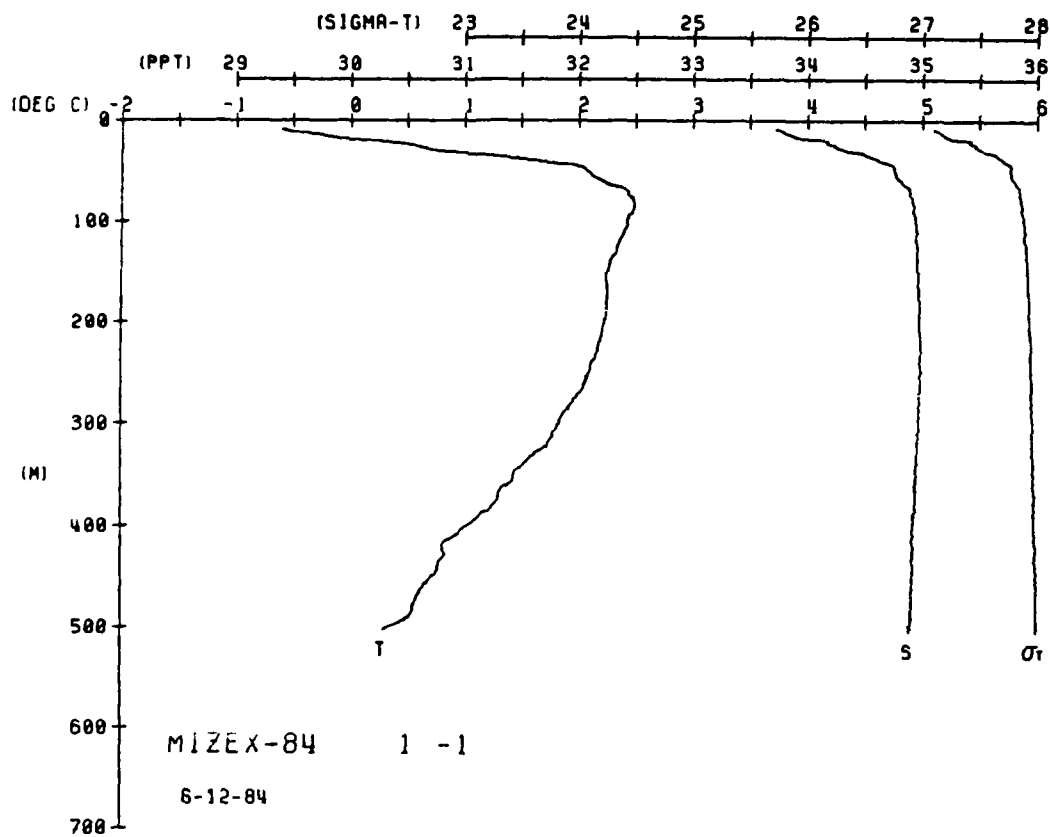
CAME	SH	STAT	MODE	DT	MON	YR	TIME	COOP	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT.FRR	LONG.FRR
MIXEX-84	PJ	141	1	2	JUL	84	1924	1	184.4333	4.9	499.0	80.58330	5.58330	150.0	150.0
MIXEX-84	PJ	142	1	2	JUL	84	1911	1	184.4660	4.0	499.0	80.53330	6.50000	150.0	150.0
MIXEX-84	PJ	143	1	2	JUL	84	1913	1	184.4951	2.0	586.7	80.48330	6.08330	150.0	150.0
MIXEX-84	PJ	144	1	2	JUL	84	1938	1	184.5333	2.0	495.1	80.38330	6.41670	150.0	150.0
MIXEX-84	PJ	145	1	4	JUL	84	1933	1	184.5646	2.0	498.0	80.38170	5.41670	150.0	150.0
MIXEX-84	PJ	146	1	4	JUL	84	903	1	186.3171	3.0	537.5	80.29170	1.69170	300.0	300.0
MIXEX-84	PJ	147	1	4	JUL	84	940	1	186.4028	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	148	1	4	JUL	84	1026	1	186.4347	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	149	1	4	JUL	84	1059	1	186.4576	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	150	1	4	JUL	84	1146	1	186.4803	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	151	1	4	JUL	84	1244	1	186.5167	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	152	1	4	JUL	84	1315	1	186.5549	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	153	1	4	JUL	84	1410	1	186.5933	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	154	1	4	JUL	84	1528	1	186.6472	2.0	537.1	80.29170	1.6670	300.0	300.0
MIXEX-84	PJ	155	1	4	JUL	84	1628	1	187.0986	3.0	486.2	80.17170	4.55330	300.0	300.0
MIXEX-84	PJ	156	1	5	JUL	84	194	1	187.3882	3.0	486.2	80.42830	4.36500	300.0	300.0
MIXEX-84	PJ	157	1	5	JUL	84	1031	1	187.4906	3.0	503.0	80.34330	5.27670	300.0	300.0
MIXEX-84	PJ	158	1	5	JUL	84	1225	1	187.4906	3.0	503.0	80.34330	5.27670	300.0	300.0
MIXEX-84	PJ	159	1	5	JUL	84	1225	1	187.5174	3.0	503.0	80.34330	5.27670	300.0	300.0
MIXEX-84	PJ	160	1	5	JUL	84	1342	1	187.5569	3.0	503.0	80.34330	5.27670	300.0	300.0
MIXEX-84	PJ	161	1	6	JUL	84	191	1	188.3965	3.0	500.0	80.46170	3.97500	300.0	300.0
MIXEX-84	PJ	162	1	6	JUL	84	1066	1	188.4347	2.0	492.1	80.40000	3.00000	150.0	150.0
MIXEX-84	PJ	163	1	6	JUL	84	1183	1	188.4708	2.0	492.1	80.31670	3.40000	150.0	150.0
MIXEX-84	PJ	164	1	6	JUL	84	1232	1	188.5090	2.0	492.1	80.24170	3.03330	150.0	150.0
MIXEX-84	PJ	165	1	6	JUL	84	1313	1	188.5833	2.0	492.1	80.24170	3.03330	150.0	150.0
MIXEX-84	PJ	166	1	6	JUL	84	1529	1	188.6382	2.0	492.1	80.31670	2.58330	150.0	150.0
MIXEX-84	PJ	167	1	6	JUL	84	1597	1	188.6815	2.0	492.1	80.31670	2.58330	150.0	150.0
MIXEX-84	PJ	168	1	6	JUL	84	1702	1	188.7497	2.0	492.1	80.21670	2.00000	150.0	150.0
MIXEX-84	PJ	169	1	6	JUL	84	1702	1	188.7497	2.0	492.1	80.21670	2.00000	150.0	150.0
MIXEX-84	PJ	170	1	7	JUL	84	427	1	189.1951	2.0	494.1	80.33330	1.13330	150.0	150.0
MIXEX-84	PS	171	1	7	JUL	84	556	1	189.2454	2.0	494.1	80.33330	1.13330	150.0	150.0
MIXEX-84	PS	172	1	7	JUL	84	556	1	189.2454	2.0	494.1	80.33330	1.13330	150.0	150.0
MIXEX-84	PS	173	1	7	JUL	84	650	1	189.2847	2.0	495.8	78.51670	-3.05000	300.0	300.0
MIXEX-84	PS	174	1	7	JUL	84	1866	1	189.2847	2.0	495.8	78.51670	-3.05000	300.0	300.0
MIXEX-84	PS	175	1	7	JUL	84	2008	1	189.3389	2.0	497.1	78.56330	-3.63330	300.0	300.0
MIXEX-84	PS	176	1	8	JUL	84	931	1	190.3389	2.0	515.8	78.92170	-4.04670	300.0	300.0
MIXEX-84	PS	177	1	8	JUL	84	1097	1	190.3965	2.0	515.8	78.92170	-4.04670	300.0	300.0
MIXEX-84	PS	178	1	8	JUL	84	1277	1	190.4771	2.0	494.1	78.67330	-2.69670	300.0	300.0
MIXEX-84	PS	179	1	8	JUL	84	1313	1	190.4771	2.0	494.1	78.67330	-2.69670	300.0	300.0
MIXEX-84	PS	180	1	8	JUL	84	1313	1	190.4771	2.0	494.1	78.67330	-2.69670	300.0	300.0
MIXEX-84	PS	181	1	8	JUL	84	1413	1	190.5407	2.0	495.0	78.66670	-4.35000	300.0	300.0
MIXEX-84	PS	182	1	8	JUL	84	1413	1	190.5407	2.0	495.0	78.66670	-4.35000	300.0	300.0
MIXEX-84	PS	183	1	8	JUL	84	1450	1	190.5924	2.0	492.4	80.38330	5.00000	150.0	150.0
MIXEX-84	PS	184	1	8	JUL	84	1550	1	190.6243	2.0	490.1	80.41670	4.96670	150.0	150.0
MIXEX-84	PS	185	1	8	JUL	84	1625	1	190.6243	2.0	490.1	80.41670	4.96670	150.0	150.0
MIXEX-84	PS	186	1	8	JUL	84	1625	1	190.6243	2.0	490.1	80.41670	4.96670	150.0	150.0
MIXEX-84	PS	187	1	8	JUL	84	191	1	190.6440	2.0	495.1	80.33330	-1.58330	150.0	150.0
MIXEX-84	PS	188	1	8	JUL	84	2025	1	190.7125	2.0	477.7	80.21670	-1.00000	150.0	150.0
MIXEX-84	PS	189	1	8	JUL	84	2101	1	190.7125	2.0	477.7	80.21670	-1.00000	150.0	150.0
MIXEX-84	PS	189	1	8	JUL	84	2247	1	190.8507	3.0	330.2	78.92170	-3.48500	300.0	300.0
MIXEX-84	PS	190	1	8	JUL	84	2319	1	190.8507	3.0	330.2	78.92170	-3.48500	300.0	300.0
MIXEX-84	PS	191	1	8	JUL	84	2319	1	190.8507	3.0	330.2	78.92170	-3.48500	300.0	300.0
MIXEX-84	PS	192	1	8	JUL	84	2342	1	190.8653	2.0	338.2	78.91670	-4.67670	300.0	300.0
MIXEX-84	PS	193	1	8	JUL	84	2342	1	190.8653	2.0	338.2	78.91670	-4.67670	300.0	300.0
MIXEX-84	PS	194	1	9	JUL	84	14	1	190.8775	2.0	336.2	79.17330	-5.41000	300.0	300.0
MIXEX-84	PS	195	1	9	JUL	84	141	1	191.0097	2.0	330.2	79.16670	-5.22330	300.0	300.0
MIXEX-84	PS	196	1	9	JUL	84	141	1	191.0097	2.0	330.2	79.16670	-5.22330	300.0	300.0
MIXEX-84	PS	197	1	9	JUL	84	326	1	191.0097	2.0	330.2	79.16670	-5.22330	300.0	300.0
MIXEX-84	PS	198	1	9	JUL	84	326	1	191.1118	2.0	344.6	79.42670	-4.58500	300.0	300.0
MIXEX-84	PS	199	1	9	JUL	84	1011	1	191.1431	2.0	344.6	79.42670	-4.58500	300.0	300.0
MIXEX-84	PS	200	1	9	JUL	84	1144	1	191.1931	2.0	344.6	79.41670	-5.82170	300.0	300.0
MIXEX-84	PS	201	1	9	JUL	84	1144	1	191.1931	2.0	344.6	79.41670	-5.82170	300.0	300.0
MIXEX-84	PS	202	1	9	JUL	84	1144	1	191.1931	2.0	344.6	79.41670	-5.82170	300.0	300.0
MIXEX-84	PS	203	1	9	JUL	84	1144	1	191.1931	2.0	344.6	79.41670	-5.82170	300.0	300.0
MIXEX-84	PS	204	1	9	JUL	84	2229	1	191.1931	2.0	344.6	79.41670	-5.82170	300.0	300.0
MIXEX-84	PS	205	1	9	JUL	84	2229	1	191.1931	2.0	344.6	79.41670	-5.82170	300.0	300.0
MIXEX-84	PS	206	1	10	JUL	84	53	1	191.6886	2.0	399.3	79.58170	-4.59000	300.0	300.0
MIXEX-84	PS	207	1	10	JUL	84	53	1	192.0368	2.0	399.3	79.58170	-4.59000	300.0	300.0
MIXEX-84	PS	208	1	11	JUL	84	1445	1	193.2729	2.0	498.0	80.01330	-5.67170	300.0	300.0
MIXEX-84	PS	209	1	11	JUL	84	1445	1	193.2729	2.0	498.0	80.01330	-5.67170	300.0	300.0
MIXEX-84	PS	210	1	12	JUL	84	1146	1	194.4583	2.0	499.0	80.51670	-1.03330	400.0	400.0

CAMP	SH	STAT	MODE	DAY	MON	YR	TIME	CODE	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT. ERR	LONG. ERR
MIZEXX-84	PU	211	1	12	JUL	84	1231	1	194.5215	2.0	498.0	80.46670	-0.66670	400.0	400.0
MIZEXX-84	PU	212	1	12	JUL	84	1321	1	194.5263	2.0	499.1	80.41570	-0.25000	400.0	400.0
MIZEXX-84	PU	213	1	12	JUL	84	1409	1	194.5296	2.0	495.1	80.37570	-0.03330	400.0	400.0
MIZEXX-84	PS	214	1	12	JUL	84	1455	1	194.5215	2.0	489.2	80.31570	-0.25000	30.0	30.0
MIZEXX-84	PS	215	1	13	JUL	84	1804	1	195.3215	2.0	603.6	79.79970	-5.62020	30.0	30.0
MIZEXX-84	PS	216	1	13	JUL	84	1322	1	196.3299	2.0	297.9	79.81870	-4.87120	30.0	30.0
MIZEXX-84	PS	217	1	14	JUL	84	1719	1	197.3299	2.0	142.1	79.72370	-2.47420	30.0	30.0
MIZEXX-84	PS	218	1	15	JUL	84	1223	1	197.5190	14.9	492.1	79.60270	-0.13330	30.0	30.0
MIZEXX-84	PS	219	1	16	JUL	84	1101	1	198.0542	2.0	592.8	78.27070	-0.00330	30.0	30.0
MIZEXX-84	PS	220	1	17	JUL	84	608	1	199.0424	2.0	647.0	79.49670	0.01800	30.0	30.0
MIZEXX-84	PS	221	1	17	JUL	84	608	1	199.3389	5.9	647.1	80.17170	5.06170	30.0	30.0
MIZEXX-84	PU	222	1	17	JUL	84	848	1	199.3667	5.9	647.1	80.17170	5.06170	30.0	30.0

STD DATA

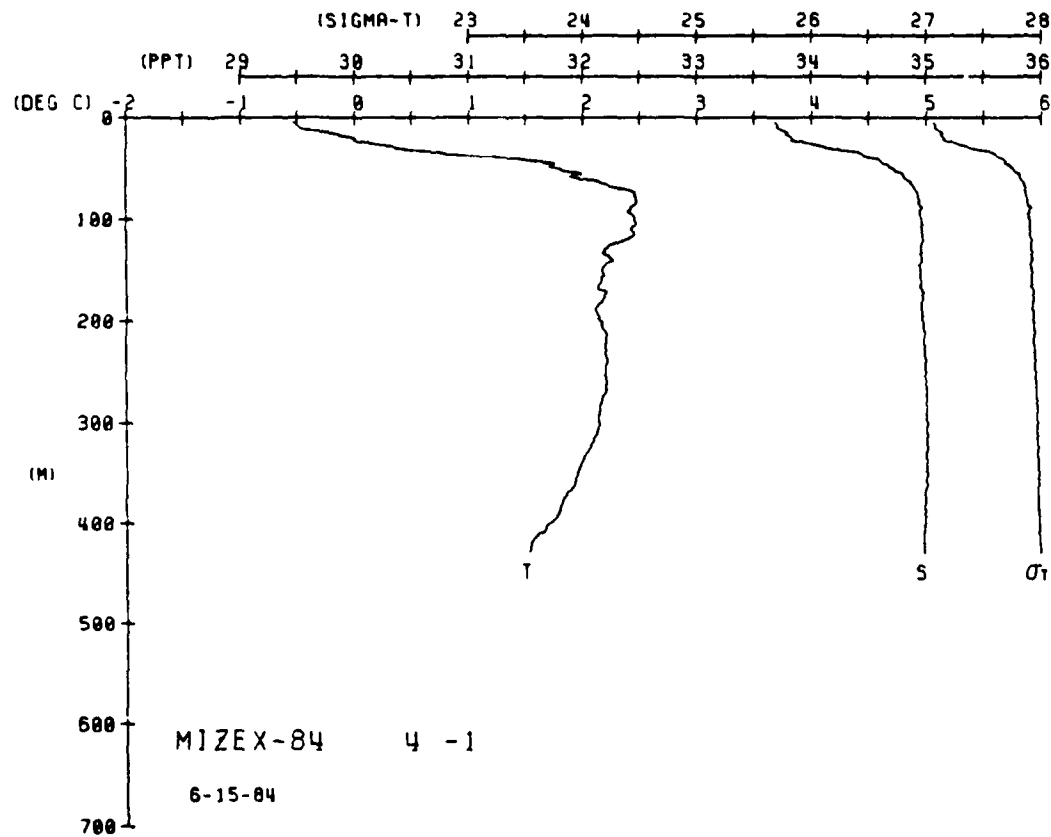
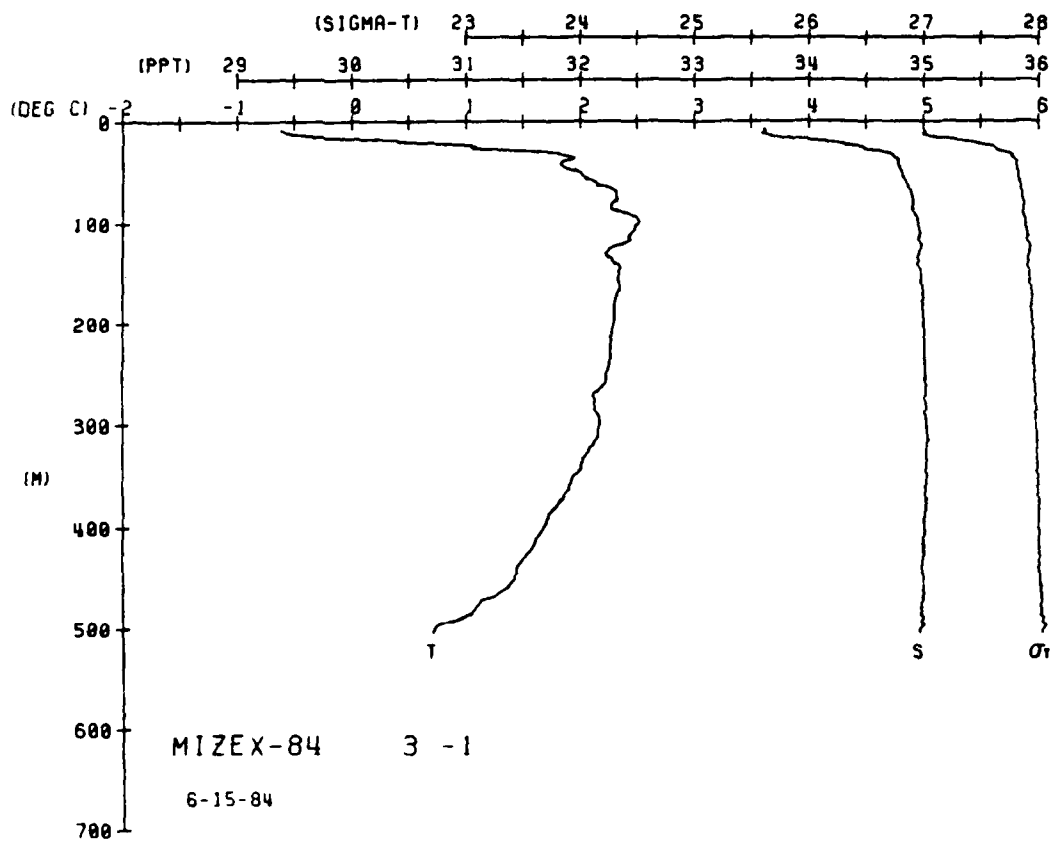
This section provides all of the helicopter-based STD data taken during MIZEX 84. The numerical listing and corresponding plots are given.



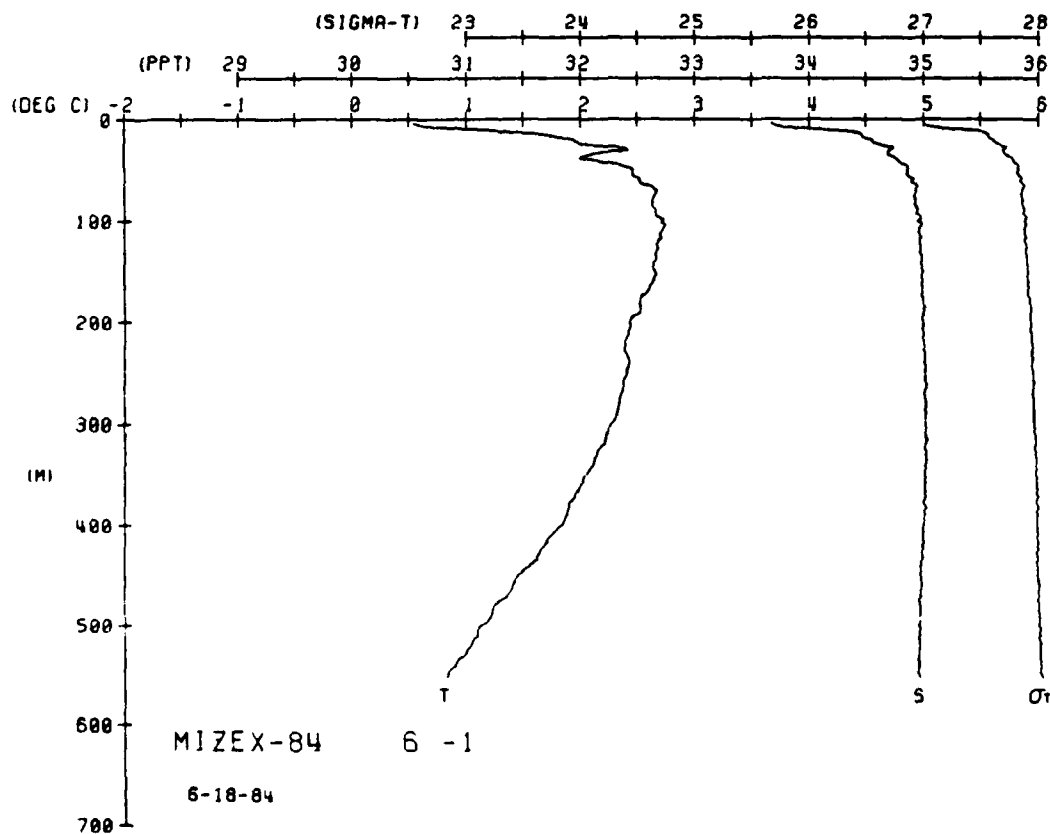
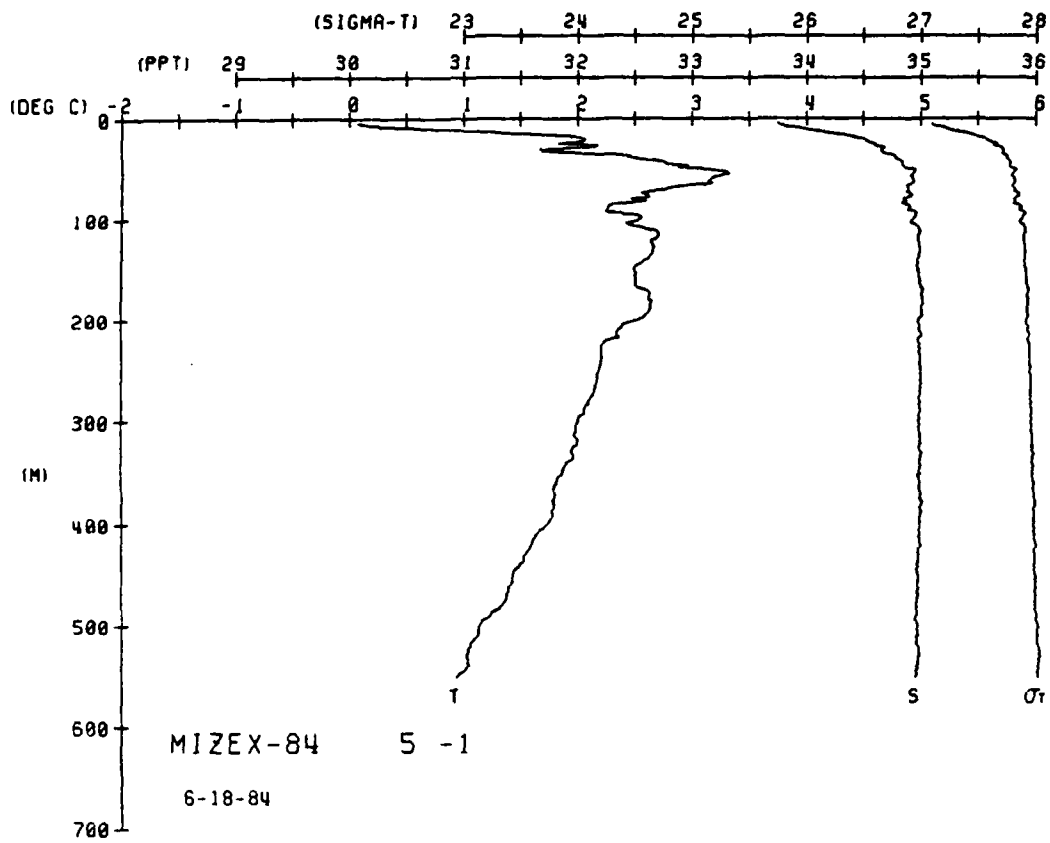








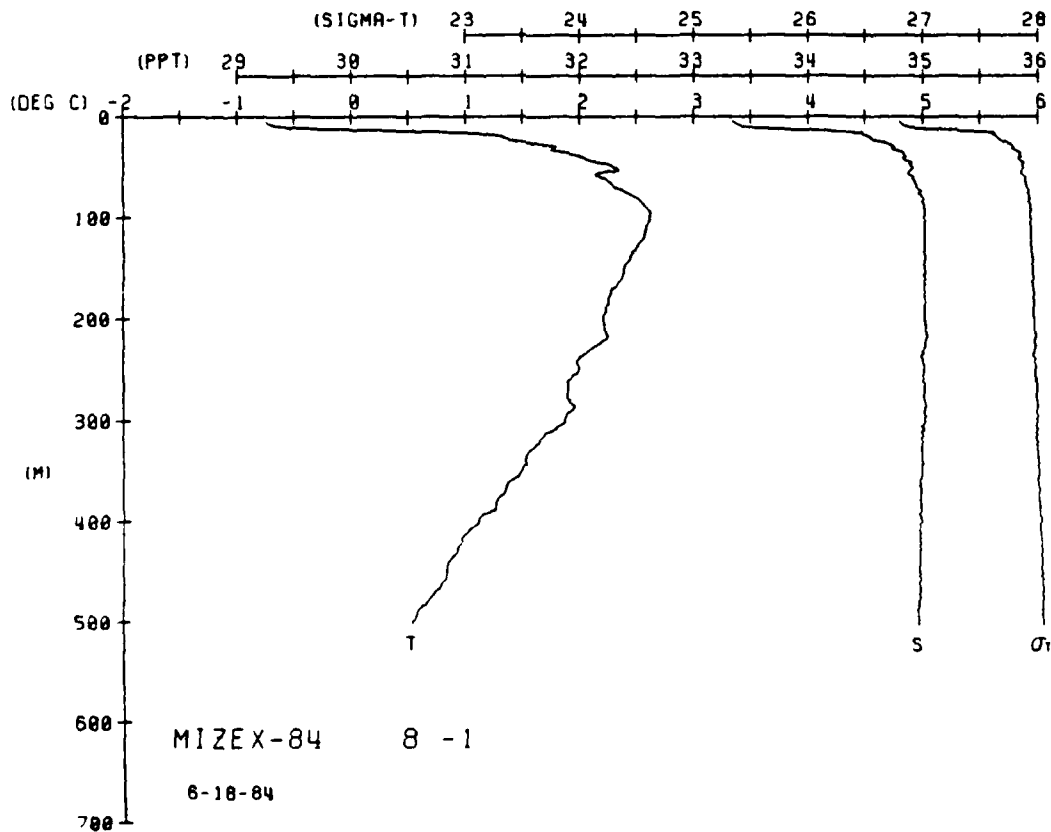
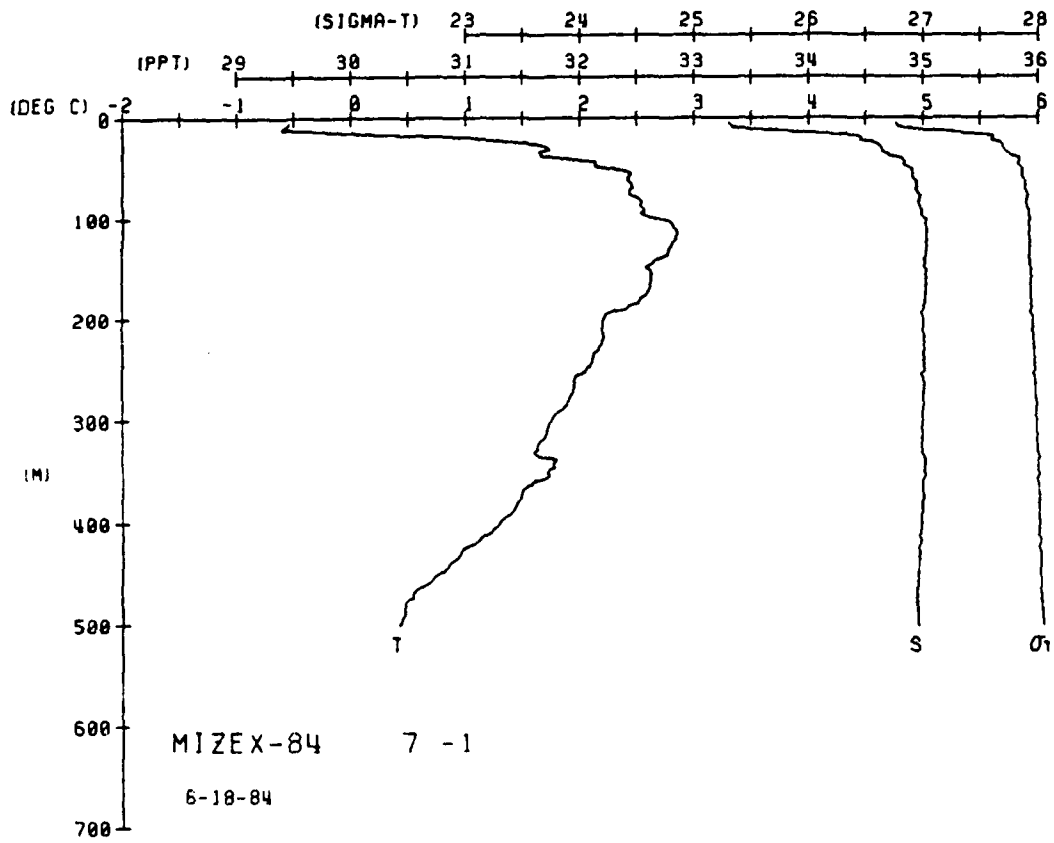




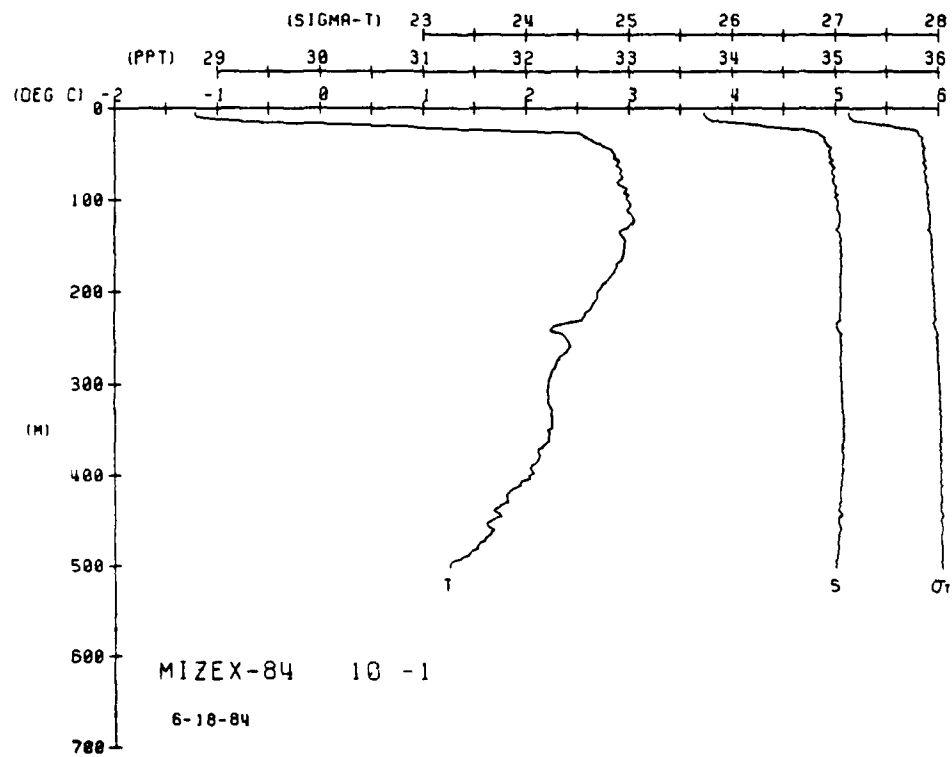
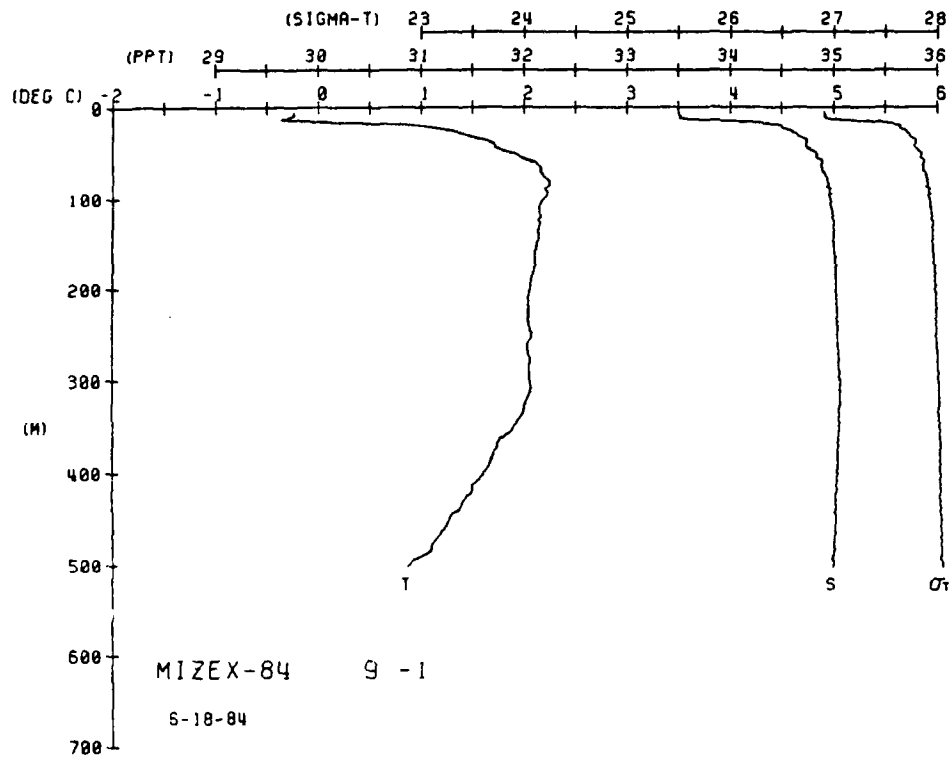
MIXEX-84 STATION 7(1) CTD 18/JUN/1984 1441 GMT CODE = 1  
LAT = 80.4000N LMG = 9.1000E LTR = 300 LGER = 300  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

MIXEX-84 STATION 8(1) CTD 18/JUN/1984 1552 GMT CODE = 1  
LAT = 80.4700N LMG = 9.1400E LTR = 300 LGER = 300  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PIEMP	SALIN	SIG T	SPVOL	DYHHT	SOUND
0	4	74	5	8	9	0	0
1	4	74	5	8	9	0	0
2	4	74	5	8	9	0	0
3	4	74	5	8	9	0	0
4	4	74	5	8	9	0	0
5	4	74	5	8	9	0	0
6	4	74	5	8	9	0	0
7	4	74	5	8	9	0	0
8	4	74	5	8	9	0	0
9	4	74	5	8	9	0	0
10	4	74	5	8	9	0	0
11	4	74	5	8	9	0	0
12	4	74	5	8	9	0	0
13	4	74	5	8	9	0	0
14	4	74	5	8	9	0	0
15	4	74	5	8	9	0	0
16	4	74	5	8	9	0	0
17	4	74	5	8	9	0	0
18	4	74	5	8	9	0	0
19	4	74	5	8	9	0	0
20	4	74	5	8	9	0	0
21	4	74	5	8	9	0	0
22	4	74	5	8	9	0	0
23	4	74	5	8	9	0	0
24	4	74	5	8	9	0	0
25	4	74	5	8	9	0	0
26	4	74	5	8	9	0	0
27	4	74	5	8	9	0	0
28	4	74	5	8	9	0	0
29	4	74	5	8	9	0	0
30	4	74	5	8	9	0	0
31	4	74	5	8	9	0	0
32	4	74	5	8	9	0	0
33	4	74	5	8	9	0	0
34	4	74	5	8	9	0	0
35	4	74	5	8	9	0	0
36	4	74	5	8	9	0	0
37	4	74	5	8	9	0	0
38	4	74	5	8	9	0	0
39	4	74	5	8	9	0	0
40	4	74	5	8	9	0	0
41	4	74	5	8	9	0	0
42	4	74	5	8	9	0	0
43	4	74	5	8	9	0	0
44	4	74	5	8	9	0	0
45	4	74	5	8	9	0	0
46	4	74	5	8	9	0	0
47	4	74	5	8	9	0	0
48	4	74	5	8	9	0	0
49	4	74	5	8	9	0	0
50	4	74	5	8	9	0	0
51	4	74	5	8	9	0	0
52	4	74	5	8	9	0	0
53	4	74	5	8	9	0	0
54	4	74	5	8	9	0	0
55	4	74	5	8	9	0	0
56	4	74	5	8	9	0	0
57	4	74	5	8	9	0	0
58	4	74	5	8	9	0	0
59	4	74	5	8	9	0	0
60	4	74	5	8	9	0	0
61	4	74	5	8	9	0	0
62	4	74	5	8	9	0	0
63	4	74	5	8	9	0	0
64	4	74	5	8	9	0	0
65	4	74	5	8	9	0	0
66	4	74	5	8	9	0	0
67	4	74	5	8	9	0	0
68	4	74	5	8	9	0	0
69	4	74	5	8	9	0	0
70	4	74	5	8	9	0	0
71	4	74	5	8	9	0	0
72	4	74	5	8	9	0	0
73	4	74	5	8	9	0	0
74	4	74	5	8	9	0	0
75	4	74	5	8	9	0	0
76	4	74	5	8	9	0	0
77	4	74	5	8	9	0	0
78	4	74	5	8	9	0	0
79	4	74	5	8	9	0	0
80	4	74	5	8	9	0	0
81	4	74	5	8	9	0	0
82	4	74	5	8	9	0	0
83	4	74	5	8	9	0	0
84	4	74	5	8	9	0	0
85	4	74	5	8	9	0	0
86	4	74	5	8	9	0	0
87	4	74	5	8	9	0	0
88	4	74	5	8	9	0	0
89	4	74	5	8	9	0	0
90	4	74	5	8	9	0	0
91	4	74	5	8	9	0	0
92	4	74	5	8	9	0	0
93	4	74	5	8	9	0	0
94	4	74	5	8	9	0	0
95	4	74	5	8	9	0	0
96	4	74	5	8	9	0	0
97	4	74	5	8	9	0	0
98	4	74	5	8	9	0	0
99	4	74	5	8	9	0	0
100	4	74	5	8	9	0	0

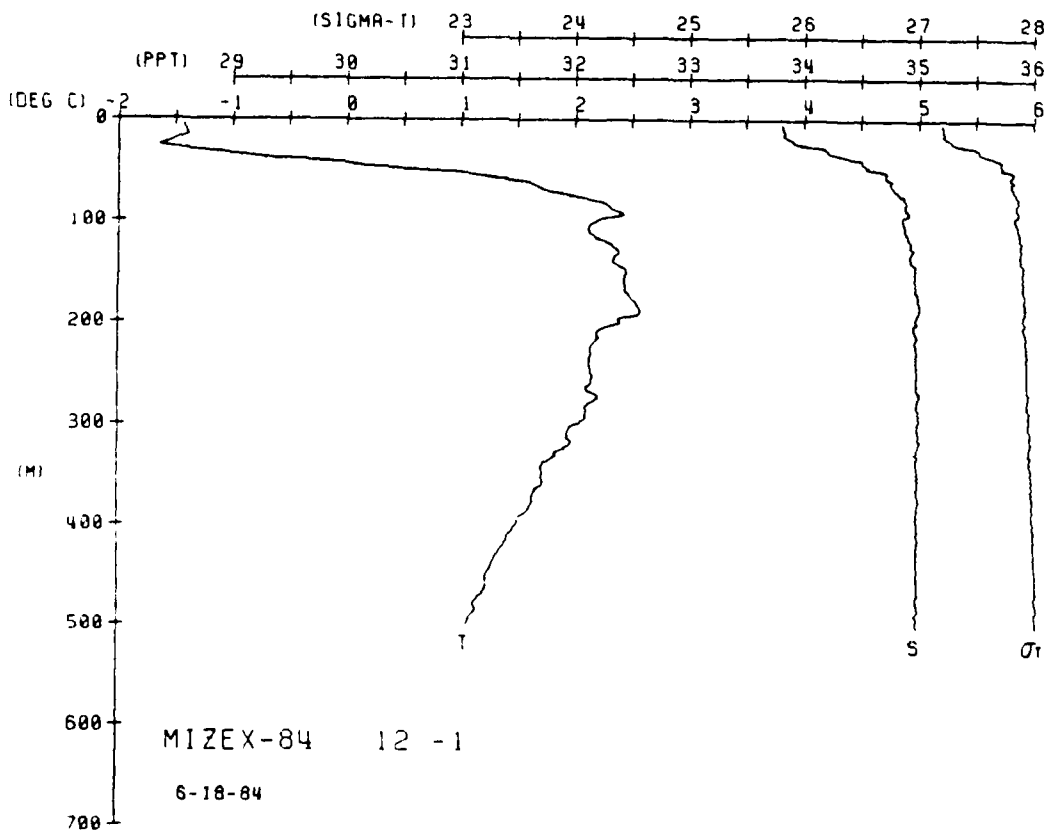
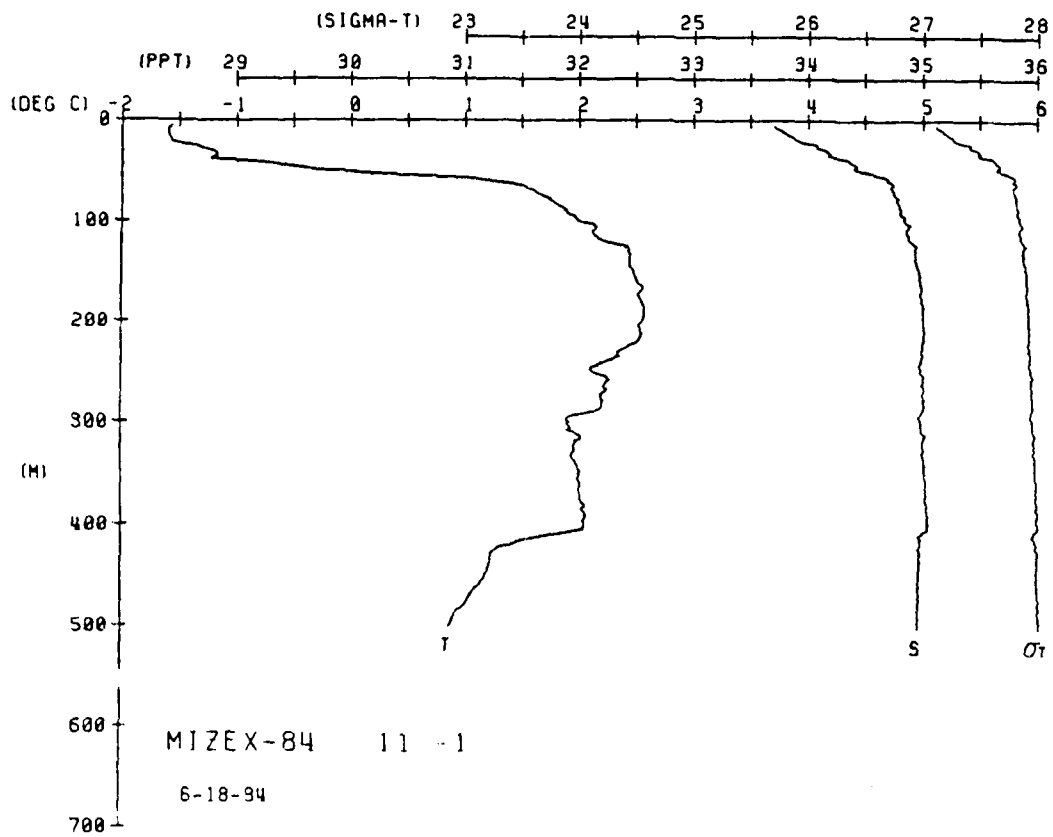




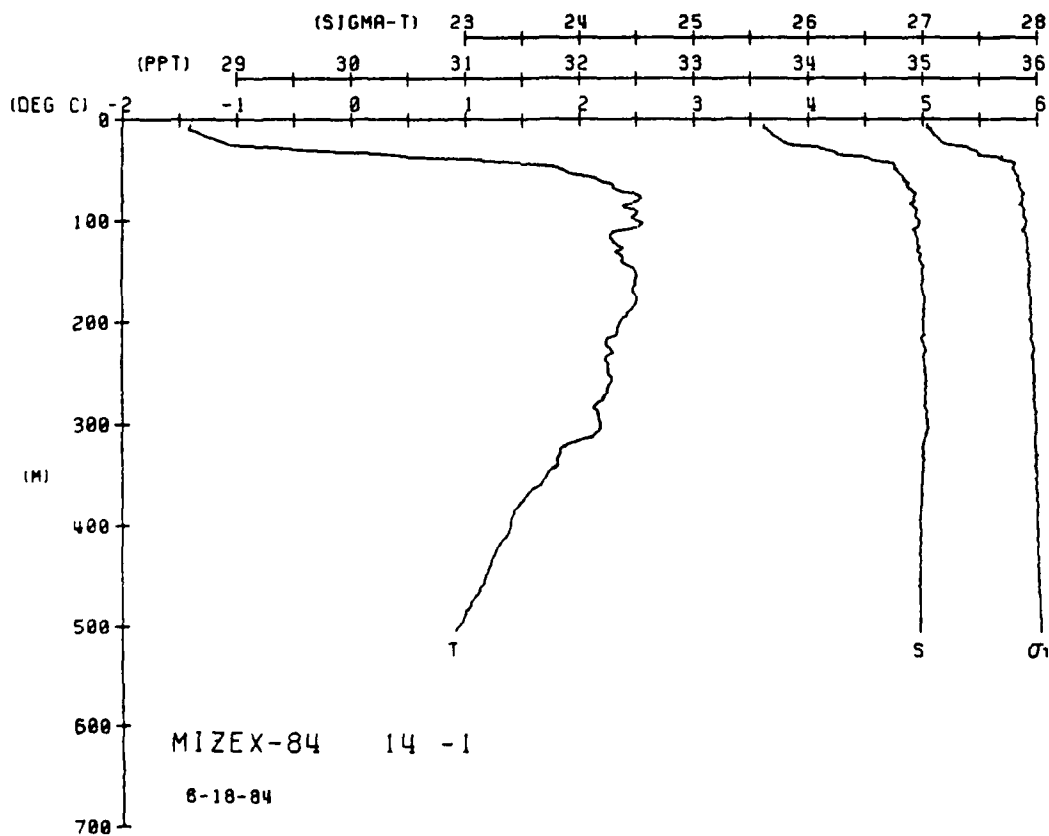
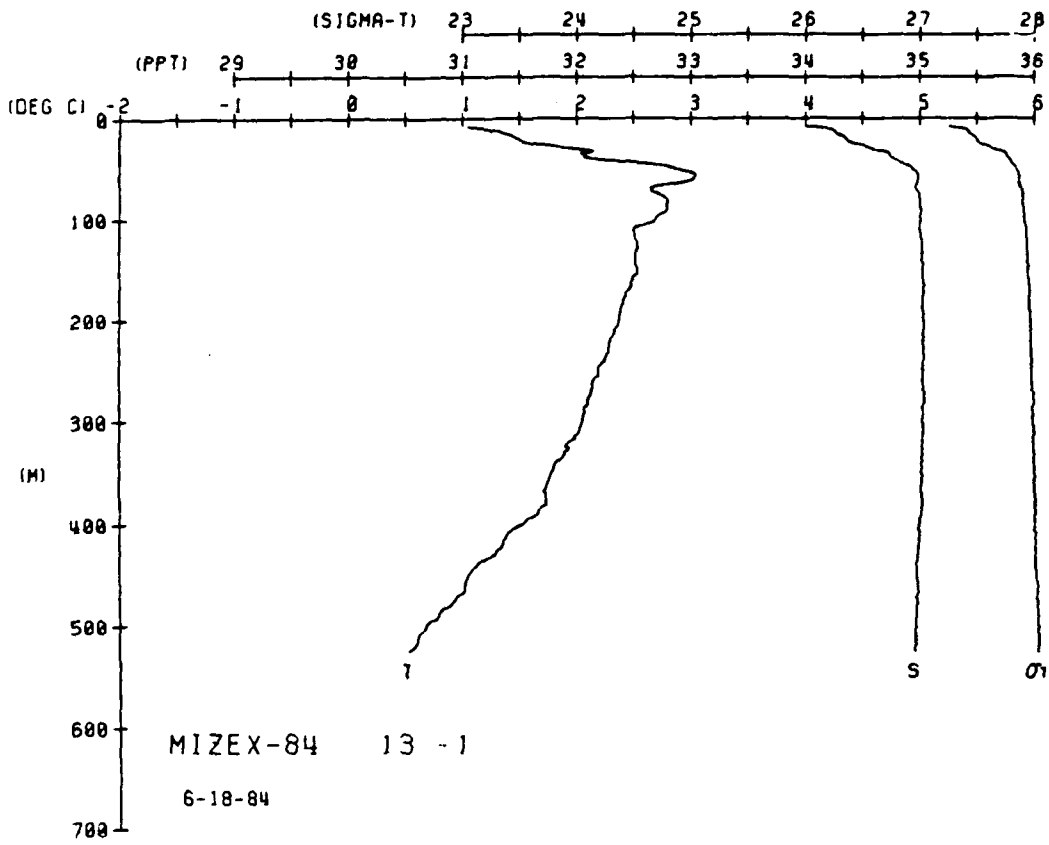










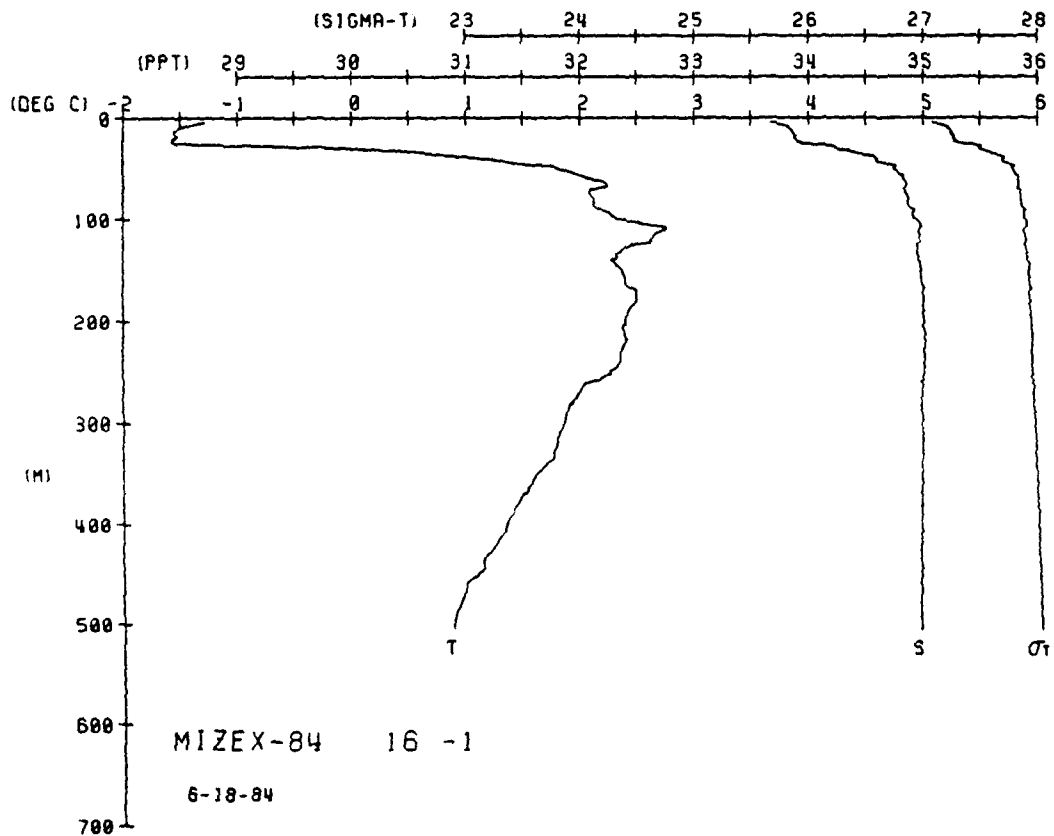
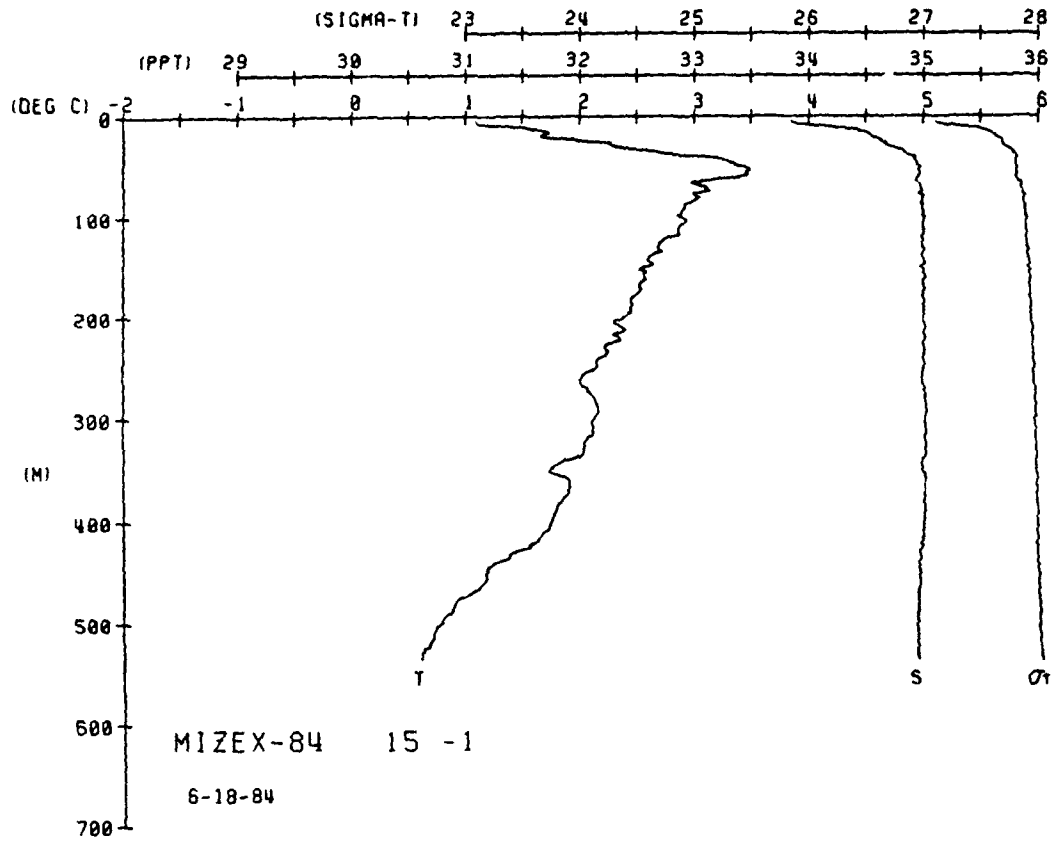


MIXE-84 STATION 15(1) CTD 18/JUN/1984 2046 GMT CUDE = 1  
LAT = 80.1933N LMG = 4.170E LTR = 300 LGR = 300  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

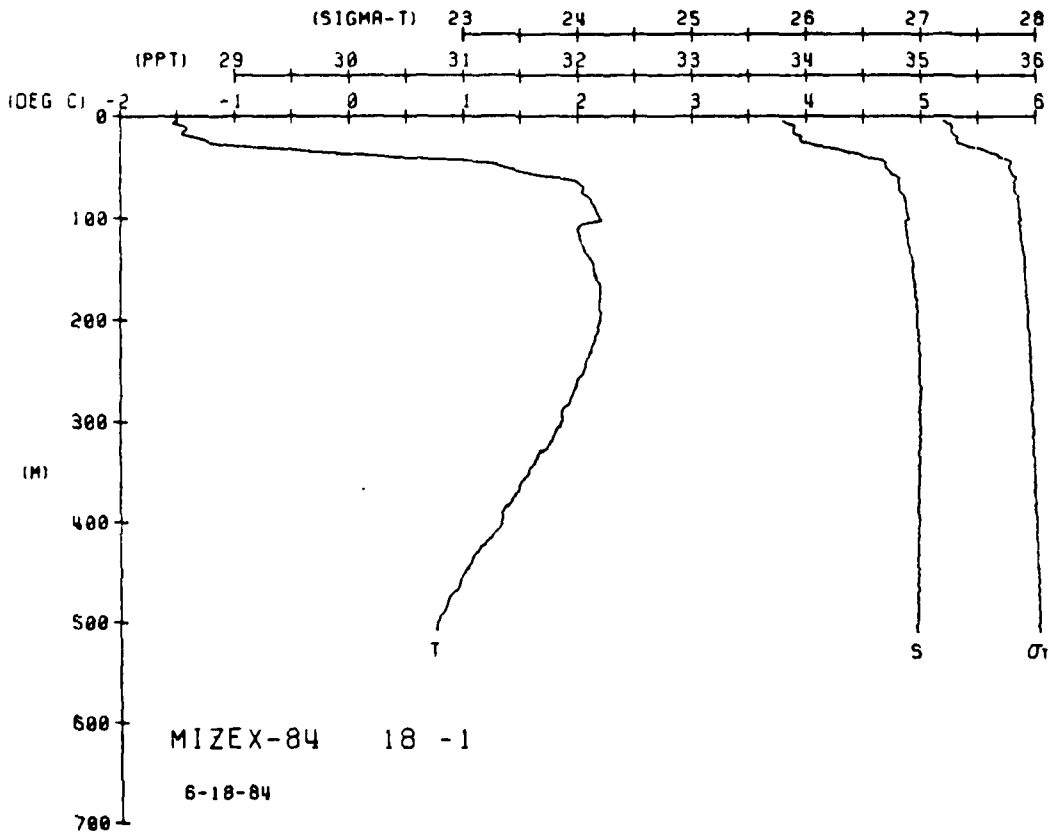
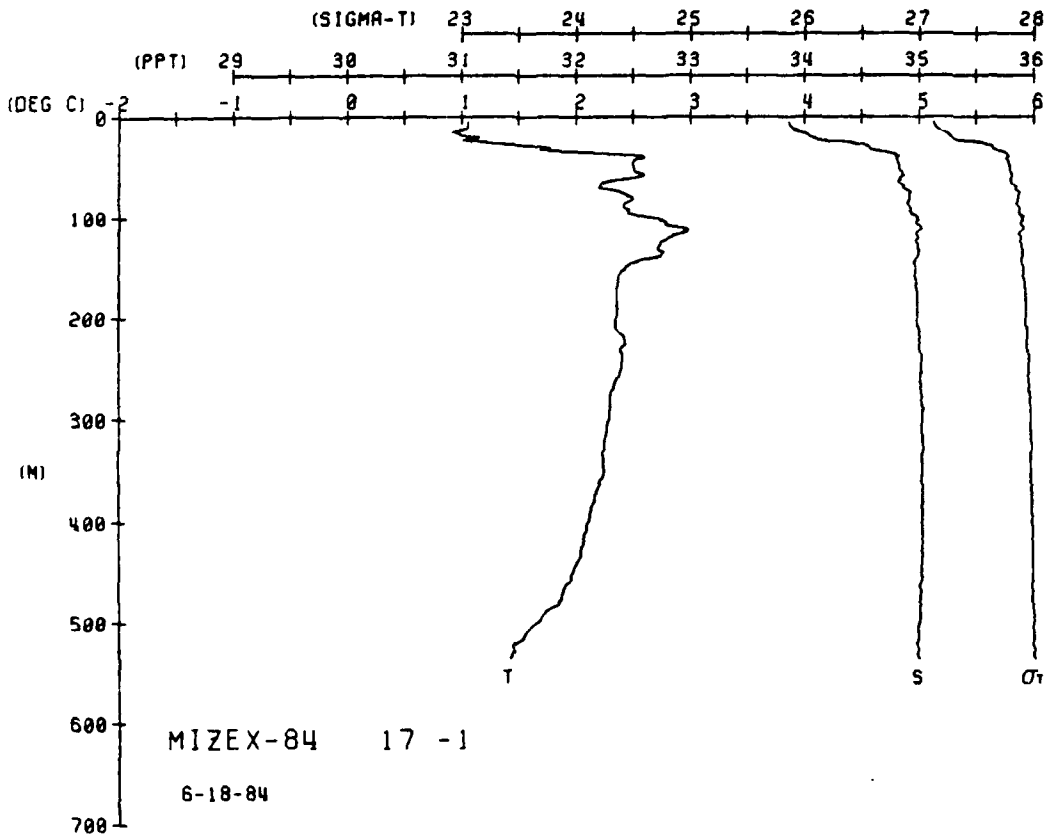
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
0	11.11	11.11	33.33	7.77	9.99	0.00	4.57
5	11.11	11.11	33.33	7.77	9.99	0.00	4.57
10	11.11	11.11	33.33	7.77	9.99	0.00	4.57
15	11.11	11.11	33.33	7.77	9.99	0.00	4.57
20	11.11	11.11	33.33	7.77	9.99	0.00	4.57
25	11.11	11.11	33.33	7.77	9.99	0.00	4.57
30	11.11	11.11	33.33	7.77	9.99	0.00	4.57
35	11.11	11.11	33.33	7.77	9.99	0.00	4.57
40	11.11	11.11	33.33	7.77	9.99	0.00	4.57
45	11.11	11.11	33.33	7.77	9.99	0.00	4.57
50	11.11	11.11	33.33	7.77	9.99	0.00	4.57
55	11.11	11.11	33.33	7.77	9.99	0.00	4.57
60	11.11	11.11	33.33	7.77	9.99	0.00	4.57
65	11.11	11.11	33.33	7.77	9.99	0.00	4.57
70	11.11	11.11	33.33	7.77	9.99	0.00	4.57
75	11.11	11.11	33.33	7.77	9.99	0.00	4.57
80	11.11	11.11	33.33	7.77	9.99	0.00	4.57
85	11.11	11.11	33.33	7.77	9.99	0.00	4.57
90	11.11	11.11	33.33	7.77	9.99	0.00	4.57
95	11.11	11.11	33.33	7.77	9.99	0.00	4.57
100	11.11	11.11	33.33	7.77	9.99	0.00	4.57

MIXE-84 STATION 16(1) CTD 18/JUN/1984 2100 GMT CUDE = 1  
LAT = 80.8250N LMG = 7.1667E LTR = 400 LGR = 400  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
0	11.11	11.11	33.33	7.77	9.99	0.00	4.57
5	11.11	11.11	33.33	7.77	9.99	0.00	4.57
10	11.11	11.11	33.33	7.77	9.99	0.00	4.57
15	11.11	11.11	33.33	7.77	9.99	0.00	4.57
20	11.11	11.11	33.33	7.77	9.99	0.00	4.57
25	11.11	11.11	33.33	7.77	9.99	0.00	4.57
30	11.11	11.11	33.33	7.77	9.99	0.00	4.57
35	11.11	11.11	33.33	7.77	9.99	0.00	4.57
40	11.11	11.11	33.33	7.77	9.99	0.00	4.57
45	11.11	11.11	33.33	7.77	9.99	0.00	4.57
50	11.11	11.11	33.33	7.77	9.99	0.00	4.57
55	11.11	11.11	33.33	7.77	9.99	0.00	4.57
60	11.11	11.11	33.33	7.77	9.99	0.00	4.57
65	11.11	11.11	33.33	7.77	9.99	0.00	4.57
70	11.11	11.11	33.33	7.77	9.99	0.00	4.57
75	11.11	11.11	33.33	7.77	9.99	0.00	4.57
80	11.11	11.11	33.33	7.77	9.99	0.00	4.57
85	11.11	11.11	33.33	7.77	9.99	0.00	4.57
90	11.11	11.11	33.33	7.77	9.99	0.00	4.57
95	11.11	11.11	33.33	7.77	9.99	0.00	4.57
100	11.11	11.11	33.33	7.77	9.99	0.00	4.57

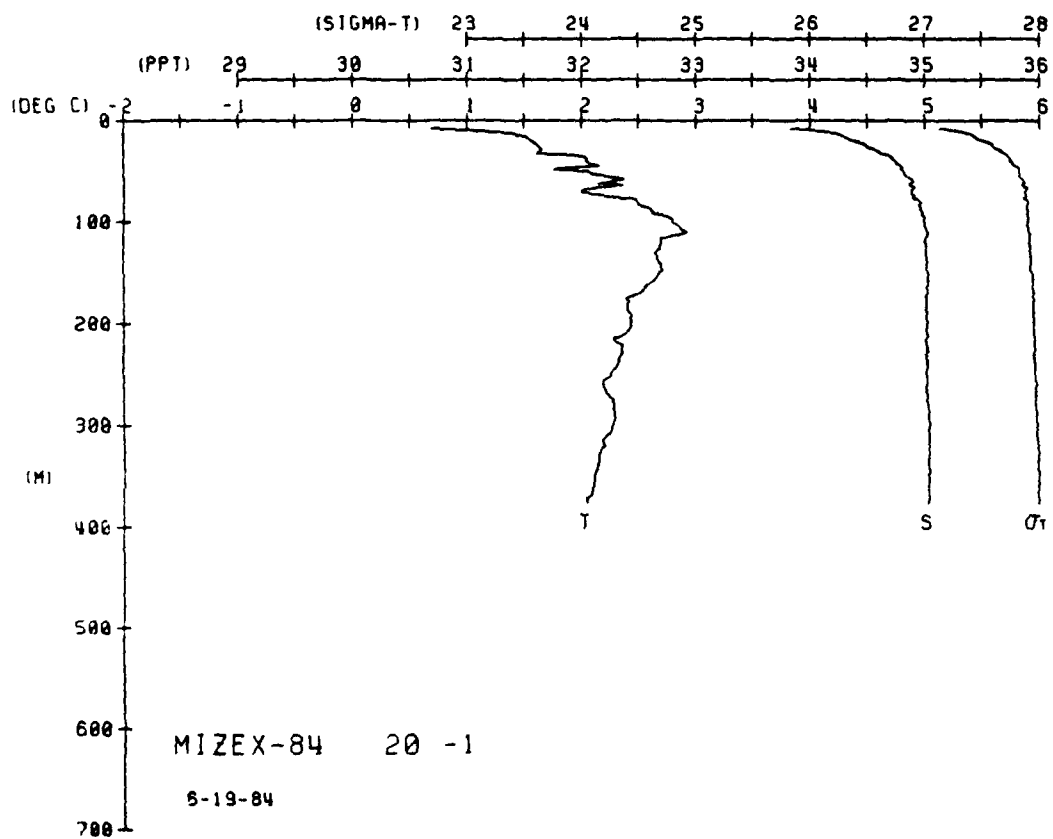
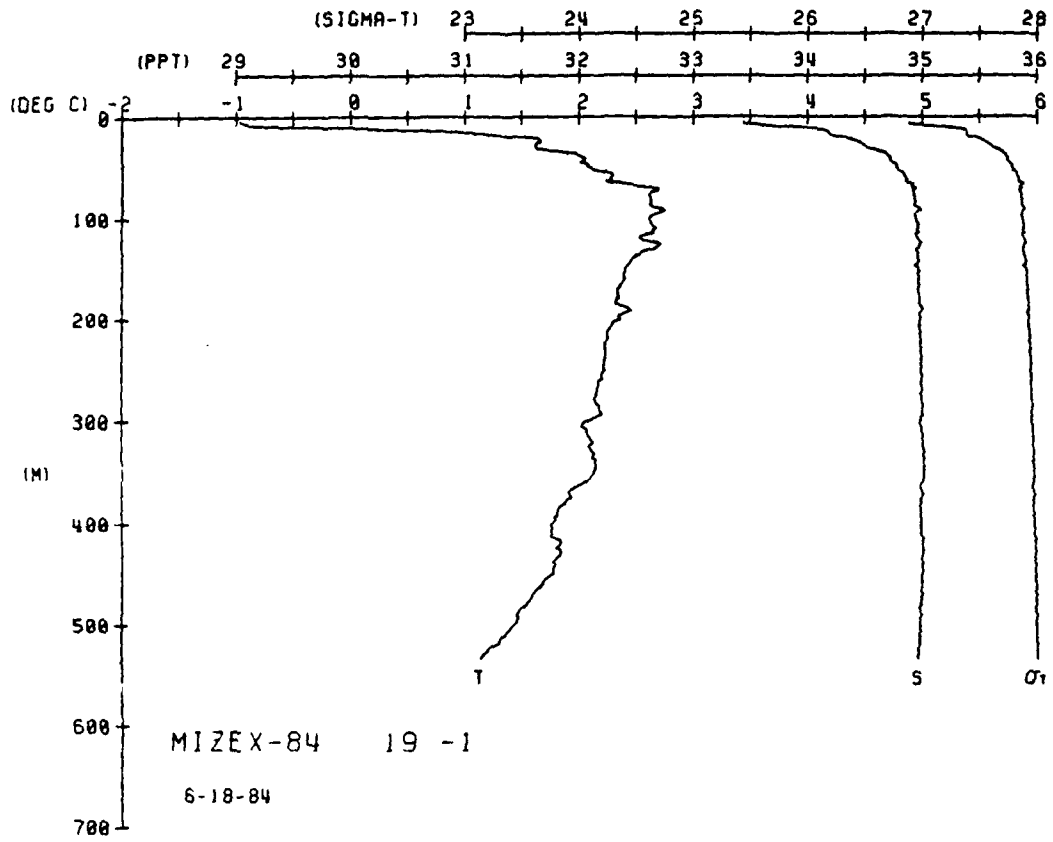




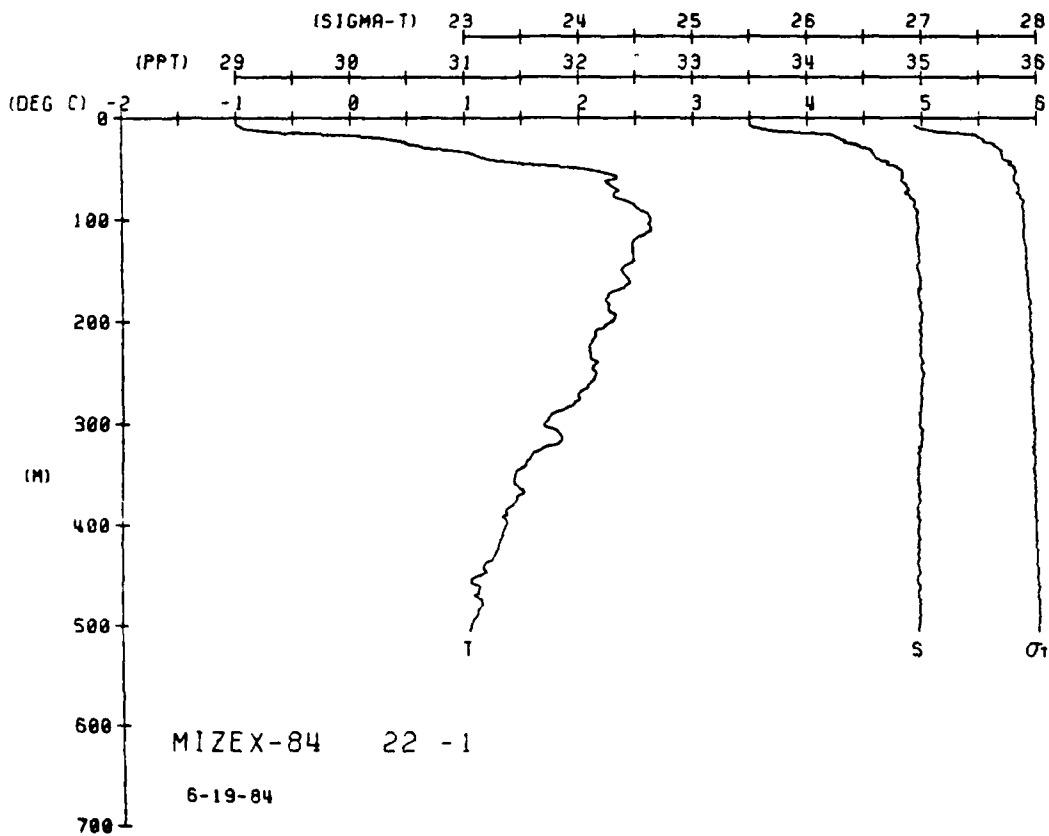
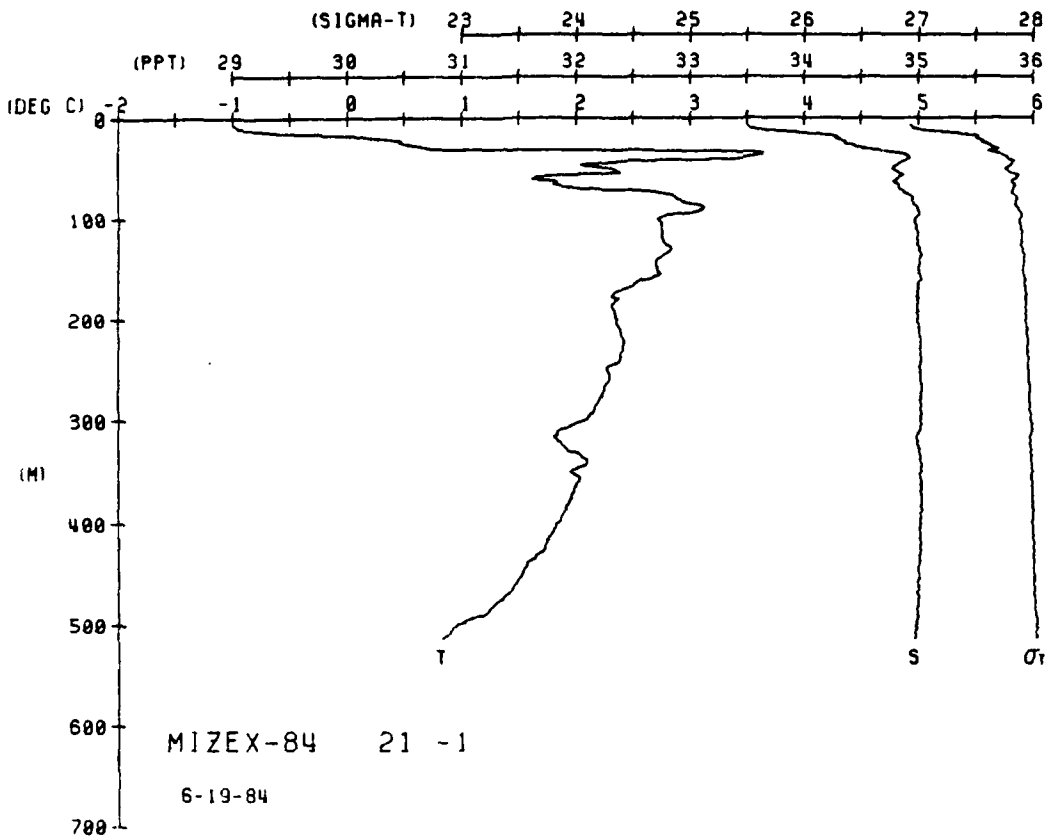




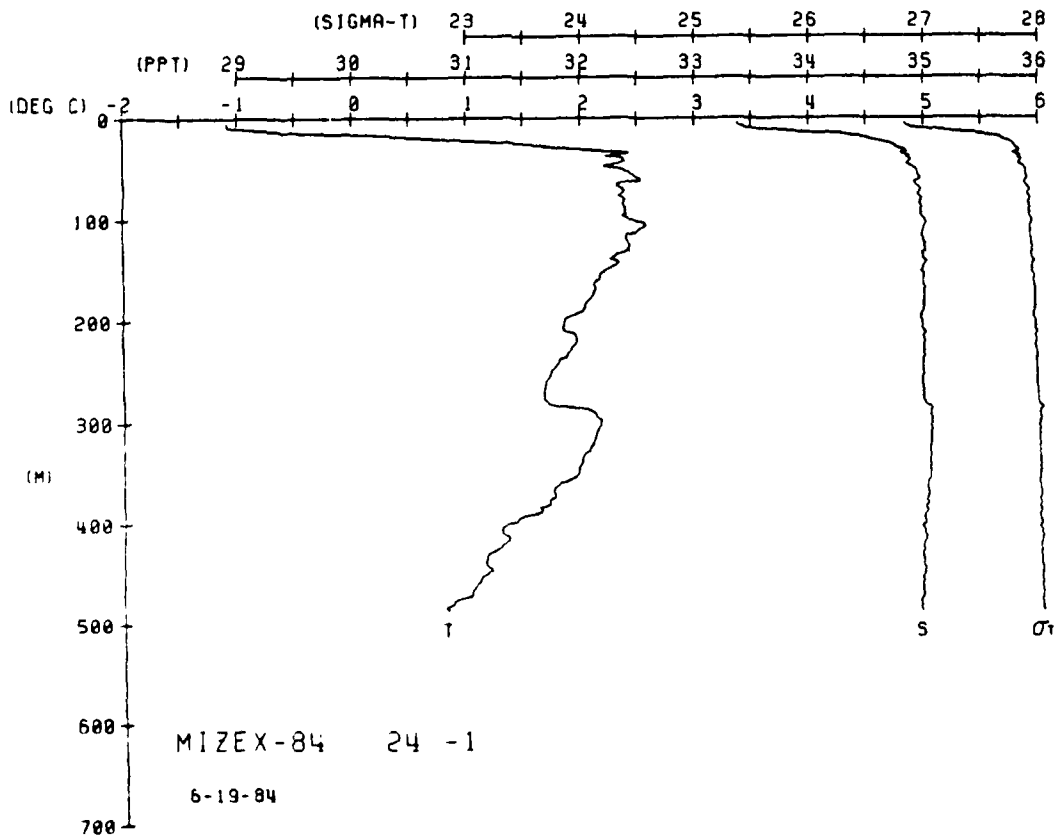
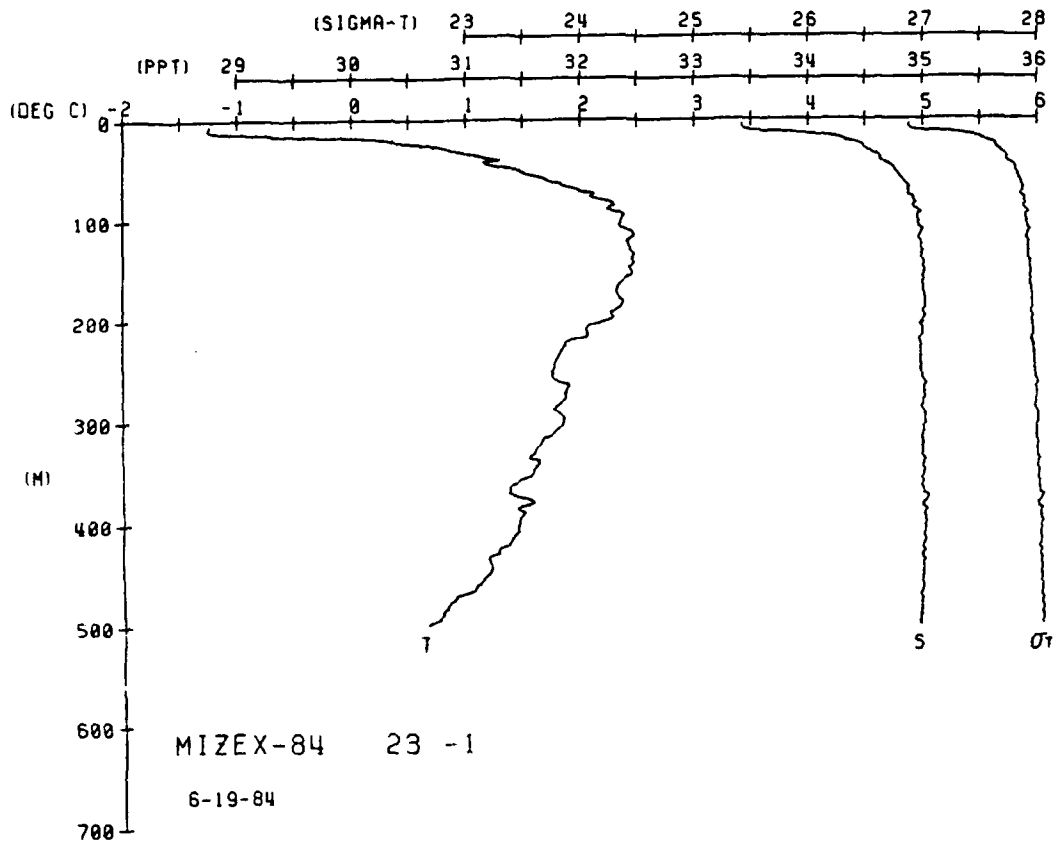




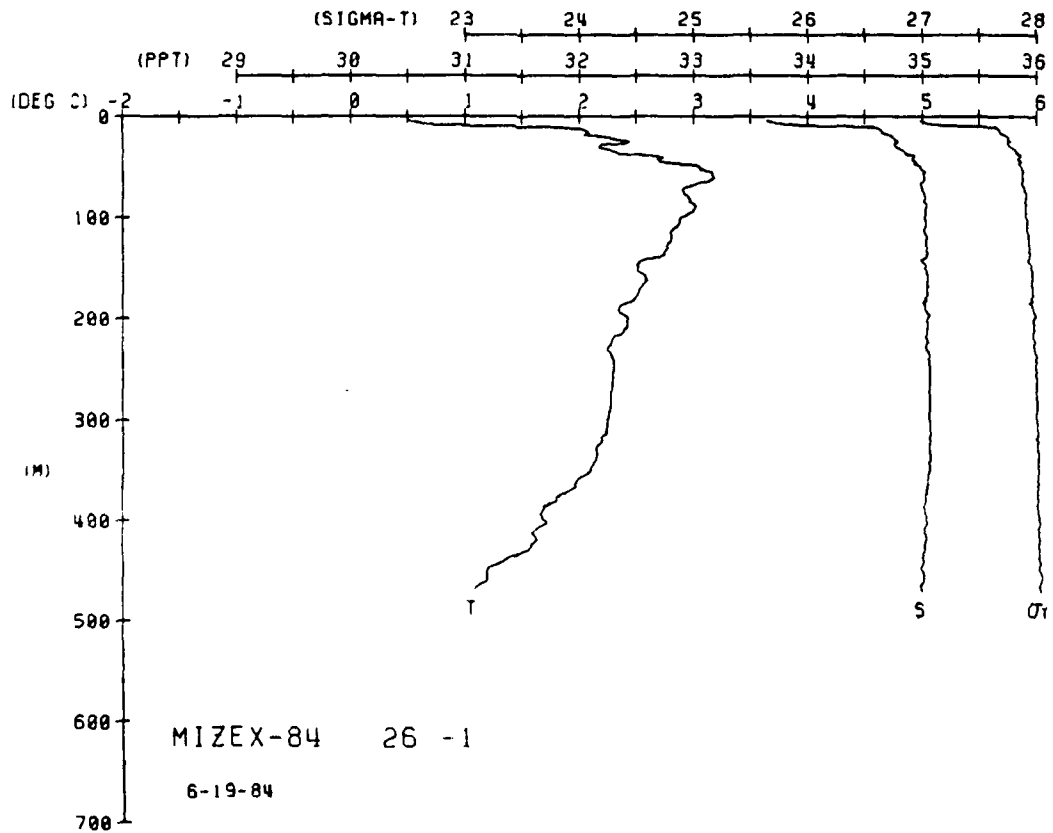
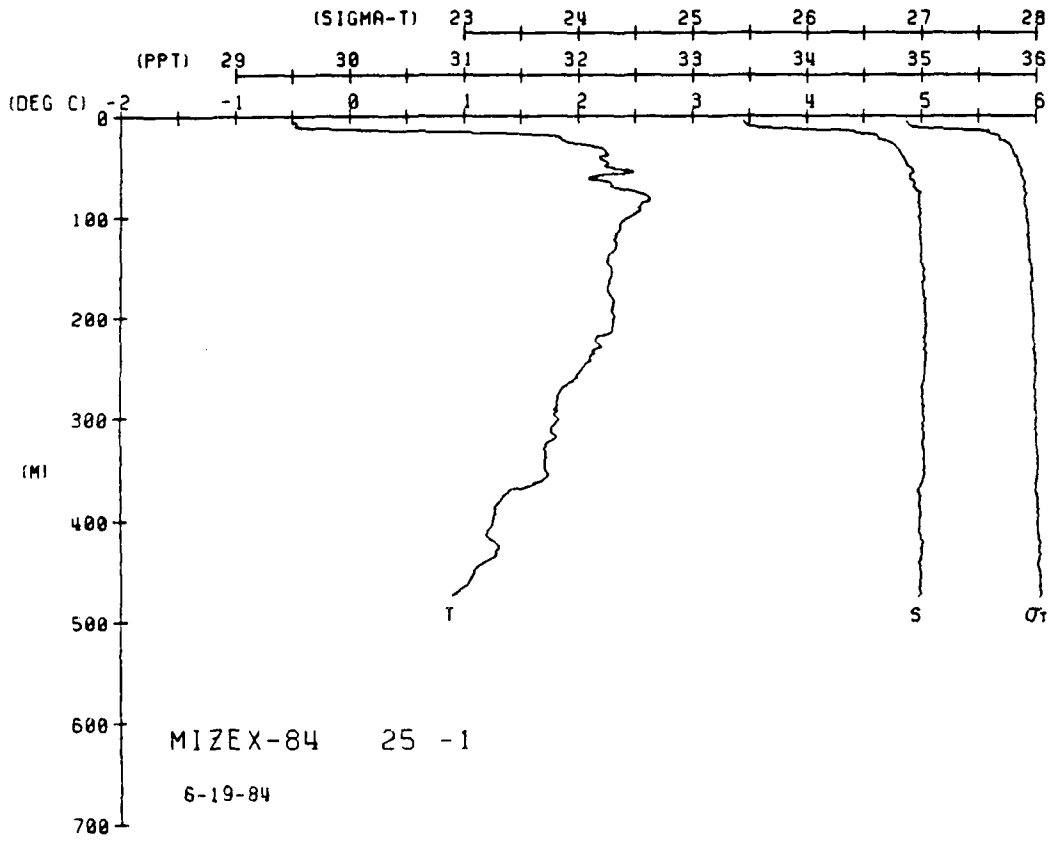






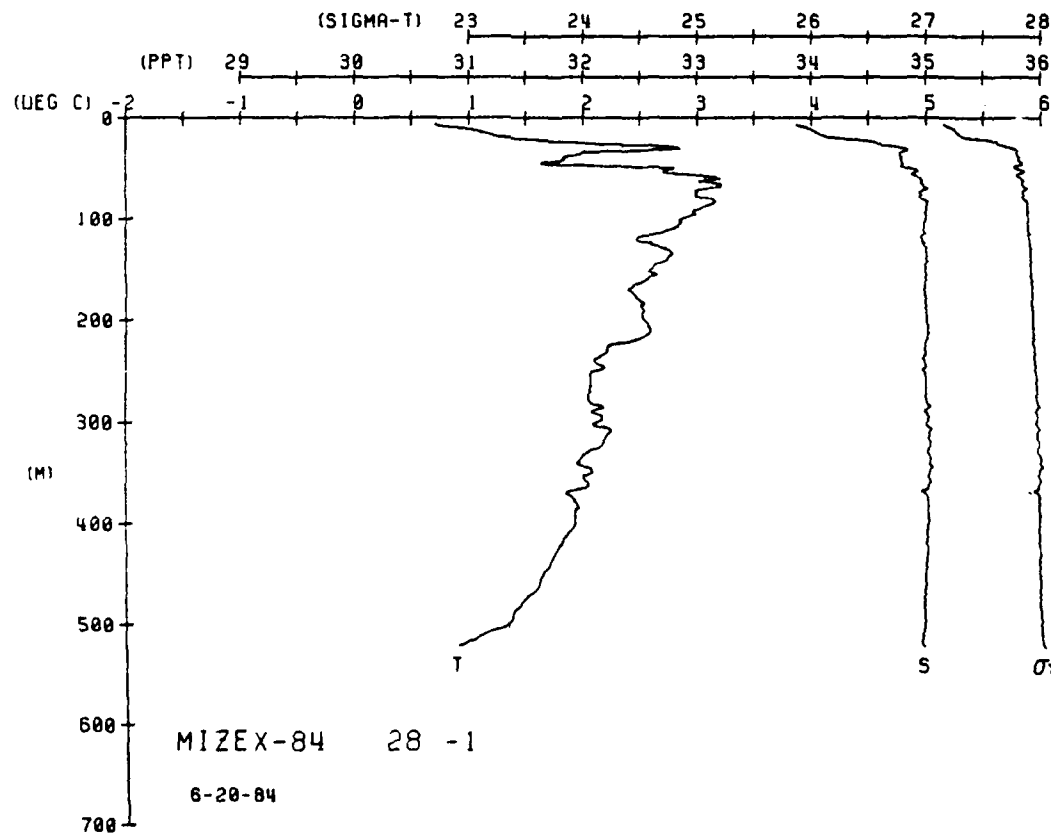
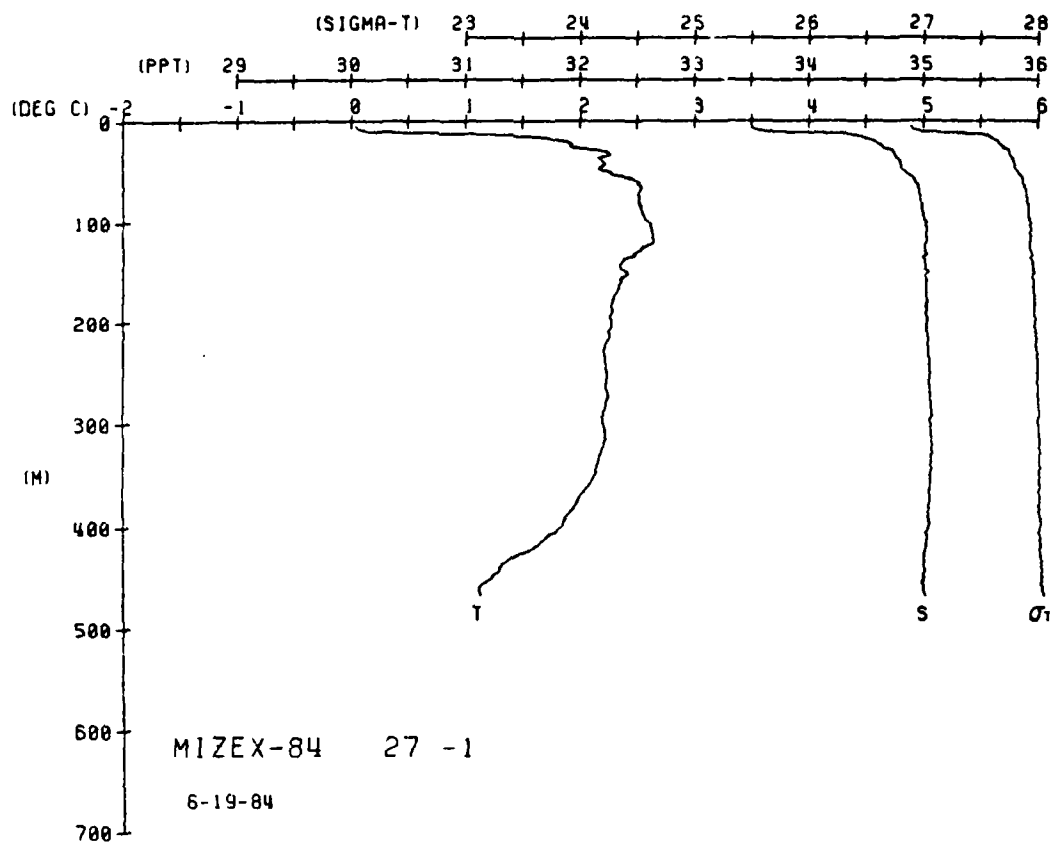




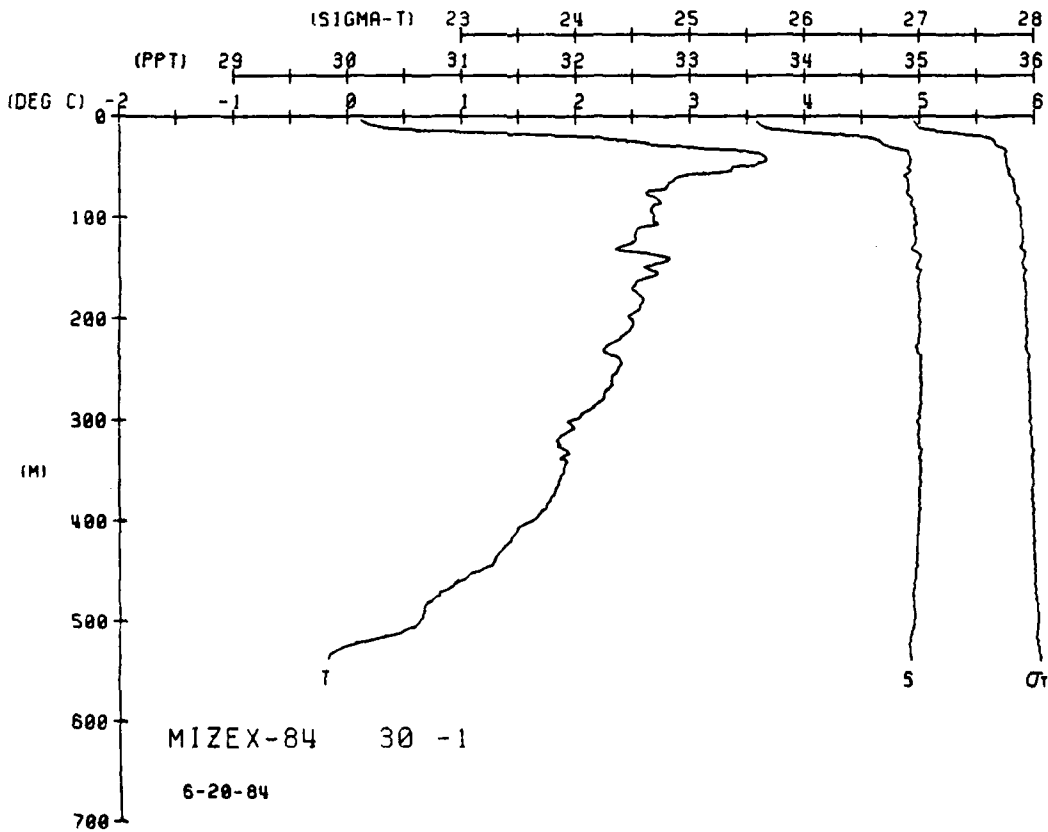
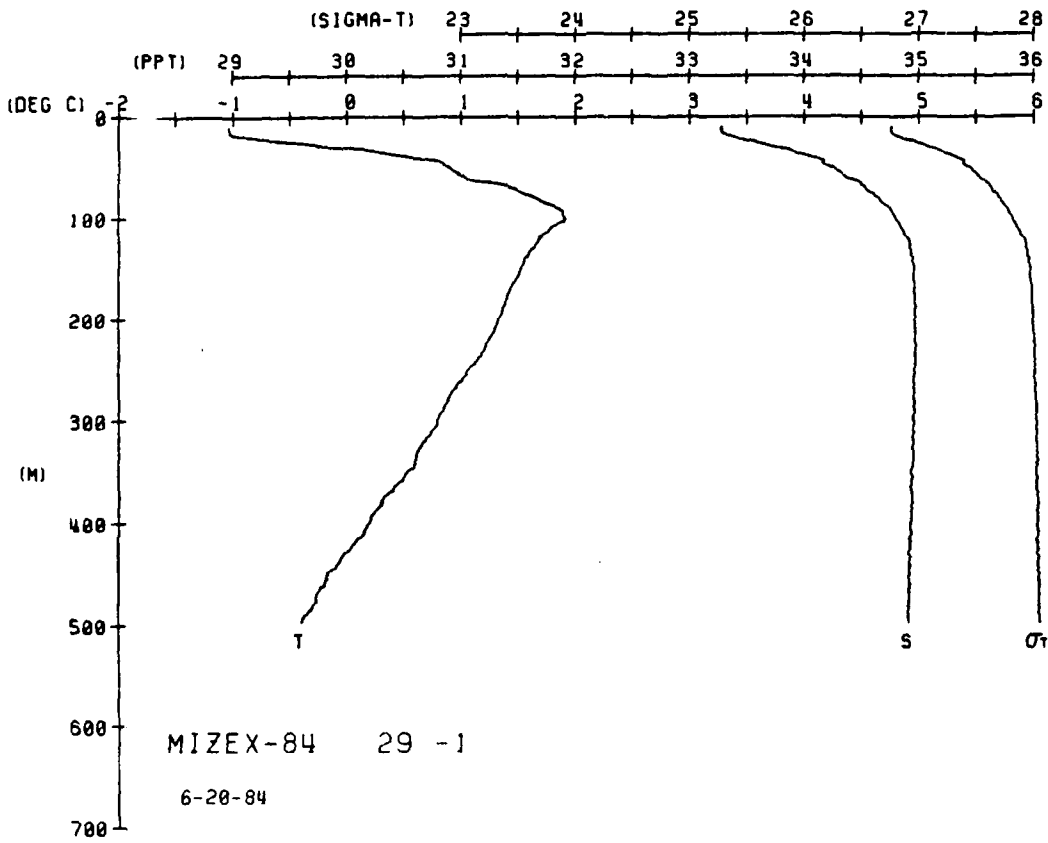










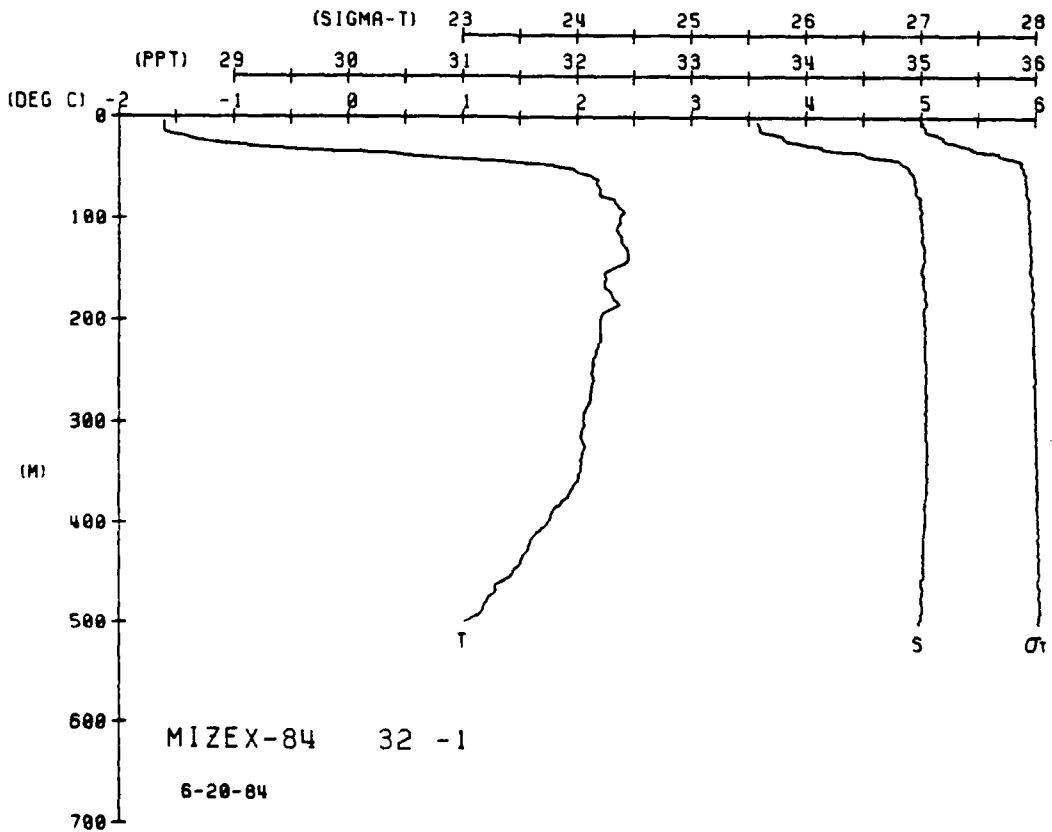
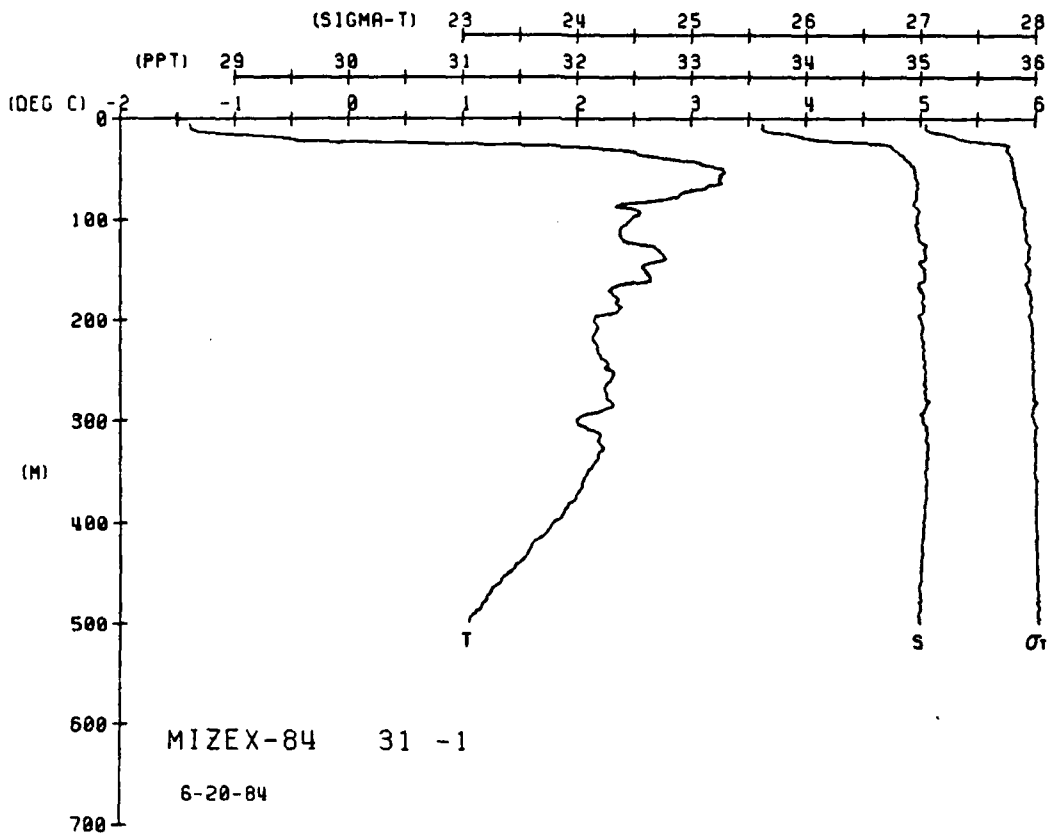


MIXE-84 STATION 32(1) CID 20/JUN/1984 1107 GMT CODE = 1  
 LAT = 80.8167N LON = 4.3000E LTR = 150 UGER = 150  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 10.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DINH1	SOUND
0	0000	0000	9999	03	0200	0000	9999
0.5	0000	0000	9999	03	0200	0000	9999
1	0000	0000	9999	03	0200	0000	9999
1.5	0000	0000	9999	03	0200	0000	9999
2	0000	0000	9999	03	0200	0000	9999
2.5	0000	0000	9999	03	0200	0000	9999
3	0000	0000	9999	03	0200	0000	9999
3.5	0000	0000	9999	03	0200	0000	9999
4	0000	0000	9999	03	0200	0000	9999
4.5	0000	0000	9999	03	0200	0000	9999
5	0000	0000	9999	03	0200	0000	9999
5.5	0000	0000	9999	03	0200	0000	9999
6	0000	0000	9999	03	0200	0000	9999
6.5	0000	0000	9999	03	0200	0000	9999
7	0000	0000	9999	03	0200	0000	9999
7.5	0000	0000	9999	03	0200	0000	9999
8	0000	0000	9999	03	0200	0000	9999
8.5	0000	0000	9999	03	0200	0000	9999
9	0000	0000	9999	03	0200	0000	9999
9.5	0000	0000	9999	03	0200	0000	9999
10	0000	0000	9999	03	0200	0000	9999

MIXE-84 STATION 31(1) CID 20/JUN/1984 1009 GMT CODE = 1  
 LAT = 80.7300N LON = 4.4833E LTR = 150 UGER = 150  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 10.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DINH1	SOUND
0	0000	0000	9999	05	0200	0000	9999
0.5	0000	0000	9999	05	0200	0000	9999
1	0000	0000	9999	05	0200	0000	9999
1.5	0000	0000	9999	05	0200	0000	9999
2	0000	0000	9999	05	0200	0000	9999
2.5	0000	0000	9999	05	0200	0000	9999
3	0000	0000	9999	05	0200	0000	9999
3.5	0000	0000	9999	05	0200	0000	9999
4	0000	0000	9999	05	0200	0000	9999
4.5	0000	0000	9999	05	0200	0000	9999
5	0000	0000	9999	05	0200	0000	9999
5.5	0000	0000	9999	05	0200	0000	9999
6	0000	0000	9999	05	0200	0000	9999
6.5	0000	0000	9999	05	0200	0000	9999
7	0000	0000	9999	05	0200	0000	9999
7.5	0000	0000	9999	05	0200	0000	9999
8	0000	0000	9999	05	0200	0000	9999
8.5	0000	0000	9999	05	0200	0000	9999
9	0000	0000	9999	05	0200	0000	9999
9.5	0000	0000	9999	05	0200	0000	9999
10	0000	0000	9999	05	0200	0000	9999

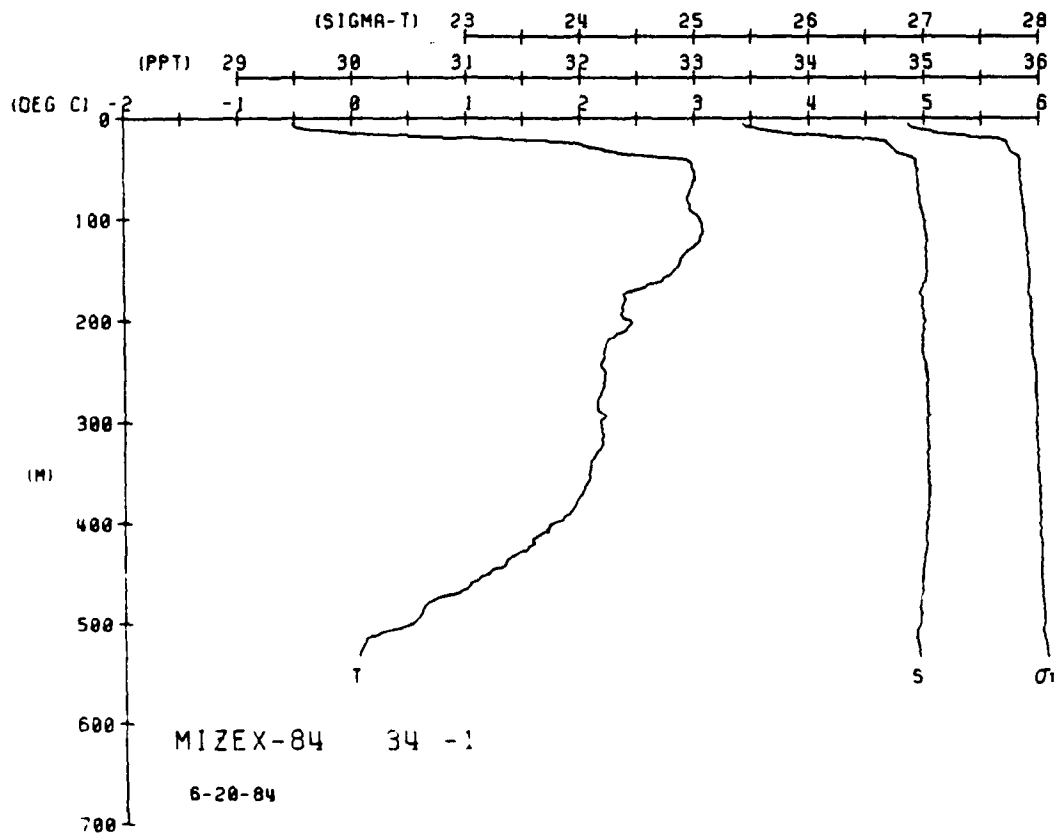
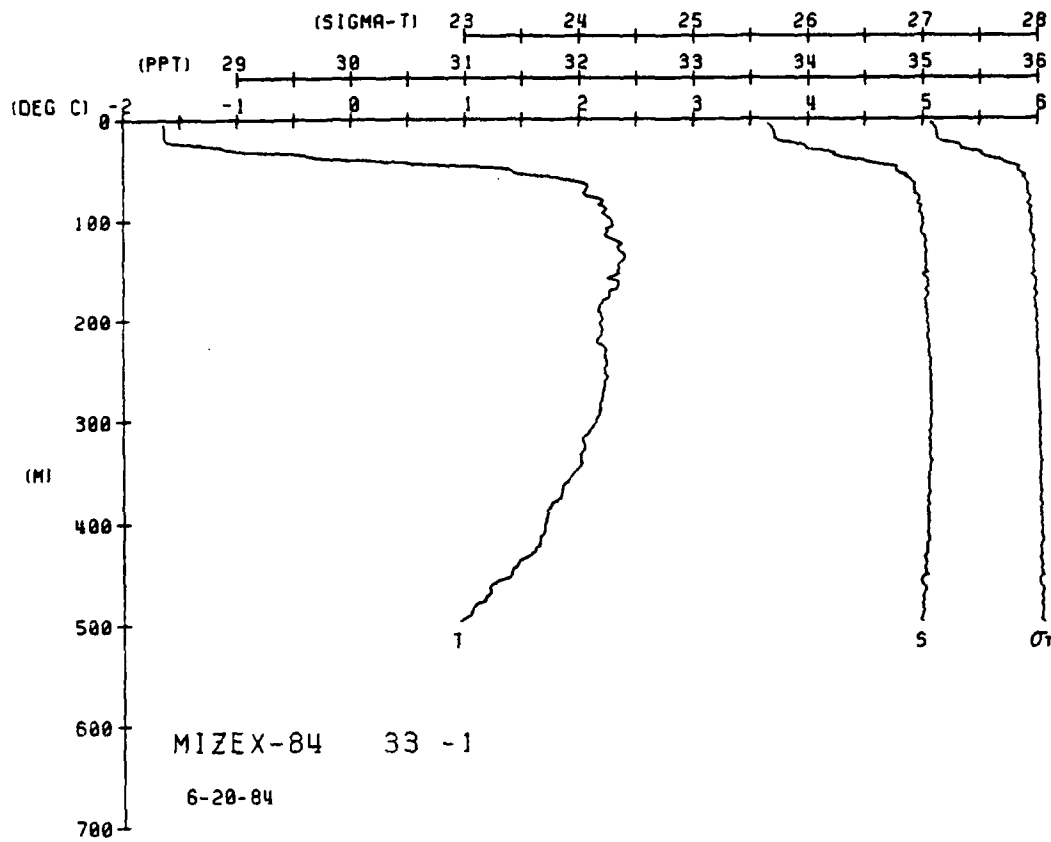


NIZEX-84 STATION 33(1) CID 20/JUN/1984 1201 GMT CODE = 1  
 LAI = 80.376M LNC = 4.1667E LTR = 150.0 LGER = 150.0  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DINH1	SOUND
0	16.6	16.6	33.3	7.7	97.9	000	1444
1	16.6	16.6	33.3	7.7	97.9	000	1444
2	16.6	16.6	33.3	7.7	97.9	000	1444
3	16.6	16.6	33.3	7.7	97.9	000	1444
4	16.6	16.6	33.3	7.7	97.9	000	1444
5	16.6	16.6	33.3	7.7	97.9	000	1444
6	16.6	16.6	33.3	7.7	97.9	000	1444
7	16.6	16.6	33.3	7.7	97.9	000	1444
8	16.6	16.6	33.3	7.7	97.9	000	1444
9	16.6	16.6	33.3	7.7	97.9	000	1444
10	16.6	16.6	33.3	7.7	97.9	000	1444
11	16.6	16.6	33.3	7.7	97.9	000	1444
12	16.6	16.6	33.3	7.7	97.9	000	1444
13	16.6	16.6	33.3	7.7	97.9	000	1444
14	16.6	16.6	33.3	7.7	97.9	000	1444
15	16.6	16.6	33.3	7.7	97.9	000	1444
16	16.6	16.6	33.3	7.7	97.9	000	1444
17	16.6	16.6	33.3	7.7	97.9	000	1444
18	16.6	16.6	33.3	7.7	97.9	000	1444
19	16.6	16.6	33.3	7.7	97.9	000	1444
20	16.6	16.6	33.3	7.7	97.9	000	1444
21	16.6	16.6	33.3	7.7	97.9	000	1444
22	16.6	16.6	33.3	7.7	97.9	000	1444
23	16.6	16.6	33.3	7.7	97.9	000	1444
24	16.6	16.6	33.3	7.7	97.9	000	1444
25	16.6	16.6	33.3	7.7	97.9	000	1444
26	16.6	16.6	33.3	7.7	97.9	000	1444
27	16.6	16.6	33.3	7.7	97.9	000	1444
28	16.6	16.6	33.3	7.7	97.9	000	1444
29	16.6	16.6	33.3	7.7	97.9	000	1444
30	16.6	16.6	33.3	7.7	97.9	000	1444
31	16.6	16.6	33.3	7.7	97.9	000	1444
32	16.6	16.6	33.3	7.7	97.9	000	1444
33	16.6	16.6	33.3	7.7	97.9	000	1444
34	16.6	16.6	33.3	7.7	97.9	000	1444
35	16.6	16.6	33.3	7.7	97.9	000	1444
36	16.6	16.6	33.3	7.7	97.9	000	1444
37	16.6	16.6	33.3	7.7	97.9	000	1444
38	16.6	16.6	33.3	7.7	97.9	000	1444
39	16.6	16.6	33.3	7.7	97.9	000	1444
40	16.6	16.6	33.3	7.7	97.9	000	1444
41	16.6	16.6	33.3	7.7	97.9	000	1444
42	16.6	16.6	33.3	7.7	97.9	000	1444
43	16.6	16.6	33.3	7.7	97.9	000	1444
44	16.6	16.6	33.3	7.7	97.9	000	1444
45	16.6	16.6	33.3	7.7	97.9	000	1444
46	16.6	16.6	33.3	7.7	97.9	000	1444
47	16.6	16.6	33.3	7.7	97.9	000	1444
48	16.6	16.6	33.3	7.7	97.9	000	1444
49	16.6	16.6	33.3	7.7	97.9	000	1444
50	16.6	16.6	33.3	7.7	97.9	000	1444

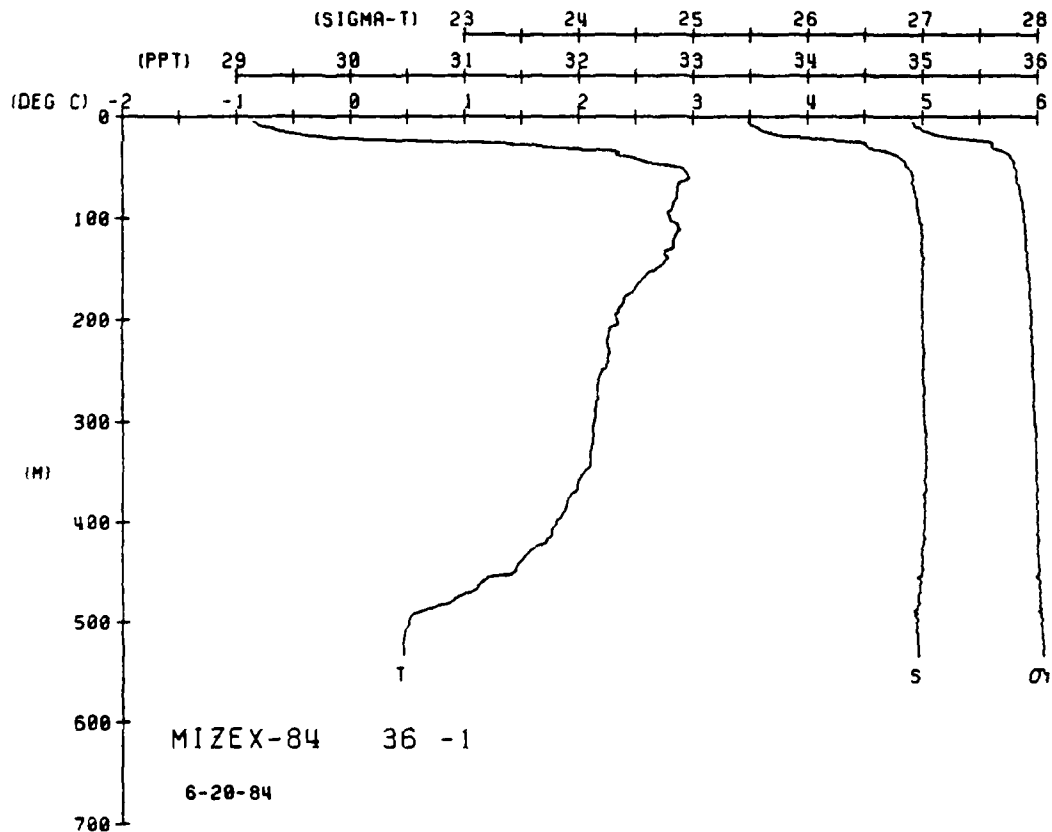
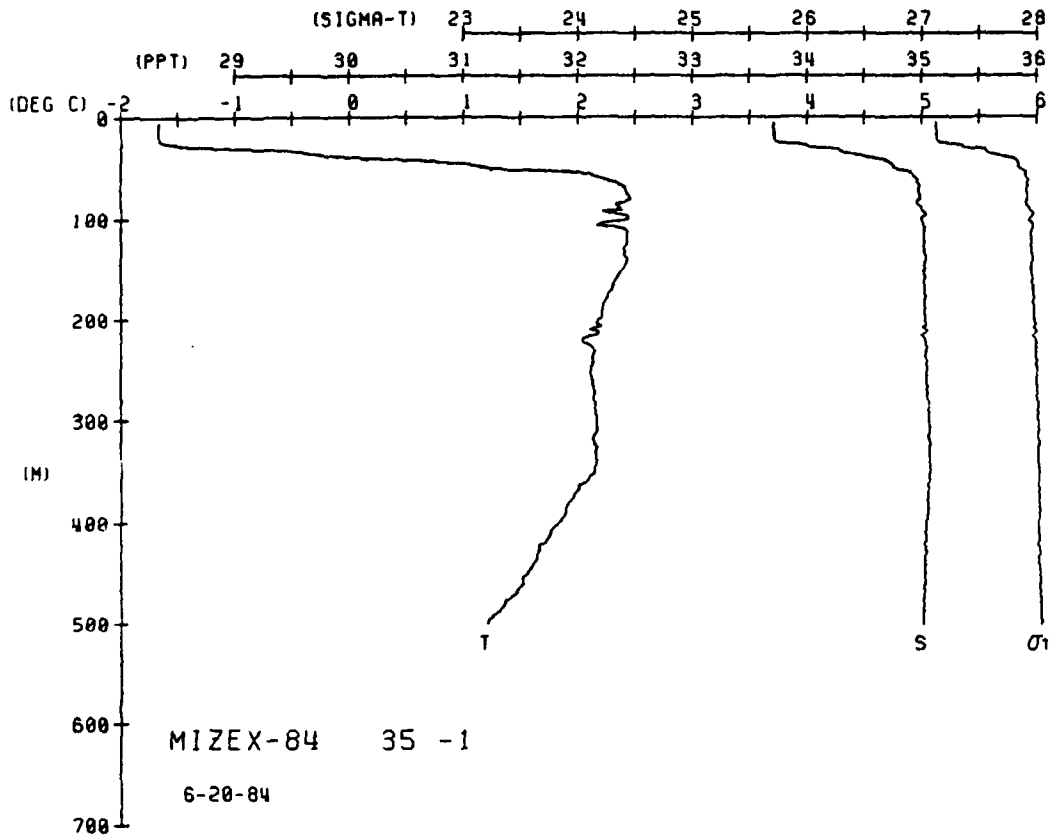
NIZEX-84 STATION 34(1) CID 20/JUN/1984 1410 GMT CODE = 300  
 LAI = 80.376M LNC = 5.667E LTR = 300.0 LGER = 300.0  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DINH1	SOUND
0	17.9	17.9	33.3	7.7	97.9	000	1444
1	17.9	17.9	33.3	7.7	97.9	000	1444
2	17.9	17.9	33.3	7.7	97.9	000	1444
3	17.9	17.9	33.3	7.7	97.9	000	1444
4	17.9	17.9	33.3	7.7	97.9	000	1444
5	17.9	17.9	33.3	7.7	97.9	000	1444
6	17.9	17.9	33.3	7.7	97.9	000	1444
7	17.9	17.9	33.3	7.7	97.9	000	1444
8	17.9	17.9	33.3	7.7	97.9	000	1444
9	17.9	17.9	33.3	7.7	97.9	000	1444
10	17.9	17.9	33.3	7.7	97.9	000	1444
11	17.9	17.9	33.3	7.7	97.9	000	1444
12	17.9	17.9	33.3	7.7	97.9	000	1444
13	17.9	17.9	33.3	7.7	97.9	000	1444
14	17.9	17.9	33.3	7.7	97.9	000	1444
15	17.9	17.9	33.3	7.7	97.9	000	1444
16	17.9	17.9	33.3	7.7	97.9	000	1444
17	17.9	17.9	33.3	7.7	97.9	000	1444
18	17.9	17.9	33.3	7.7	97.9	000	1444
19	17.9	17.9	33.3	7.7	97.9	000	1444
20	17.9	17.9	33.3	7.7	97.9	000	1444
21	17.9	17.9	33.3	7.7	97.9	000	1444
22	17.9	17.9	33.3	7.7	97.9	000	1444
23	17.9	17.9	33.3	7.7	97.9	000	1444
24	17.9	17.9	33.3	7.7	97.9	000	1444
25	17.9	17.9	33.3	7.7	97.9	000	1444
26	17.9	17.9	33.3	7.7	97.9	000	1444
27	17.9	17.9	33.3	7.7	97.9	000	1444
28	17.9	17.9	33.3	7.7	97.9	000	1444
29	17.9	17.9	33.3	7.7	97.9	000	1444
30	17.9	17.9	33.3	7.7	97.9	000	1444
31	17.9	17.9	33.3	7.7	97.9	000	1444
32	17.9	17.9	33.3	7.7	97.9	000	1444
33	17.9	17.9	33.3	7.7	97.9	000	1444
34	17.9	17.9	33.3	7.7	97.9	000	1444
35	17.9	17.9	33.3	7.7	97.9	000	1444
36	17.9	17.9	33.3	7.7	97.9	000	1444
37	17.9	17.9	33.3	7.7	97.9	000	1444
38	17.9	17.9	33.3	7.7	97.9	000	1444
39	17.9	17.9	33.3	7.7	97.9	000	1444
40	17.9	17.9	33.3	7.7	97.9	000	1444
41	17.9	17.9	33.3	7.7	97.9	000	1444
42	17.9	17.9	33.3	7.7	97.9	000	1444
43	17.9	17.9	33.3	7.7	97.9	000	1444
44	17.9	17.9	33.3	7.7	97.9	000	1444
45	17.9	17.9	33.3	7.7	97.9	000	1444
46	17.9	17.9	33.3	7.7	97.9	000	1444
47	17.9	17.9	33.3	7.7	97.9	000	1444
48	17.9	17.9	33.3	7.7	97.9	000	1444
49	17.9	17.9	33.3	7.7	97.9	000	1444
50	17.9	17.9	33.3	7.7	97.9	000	1444

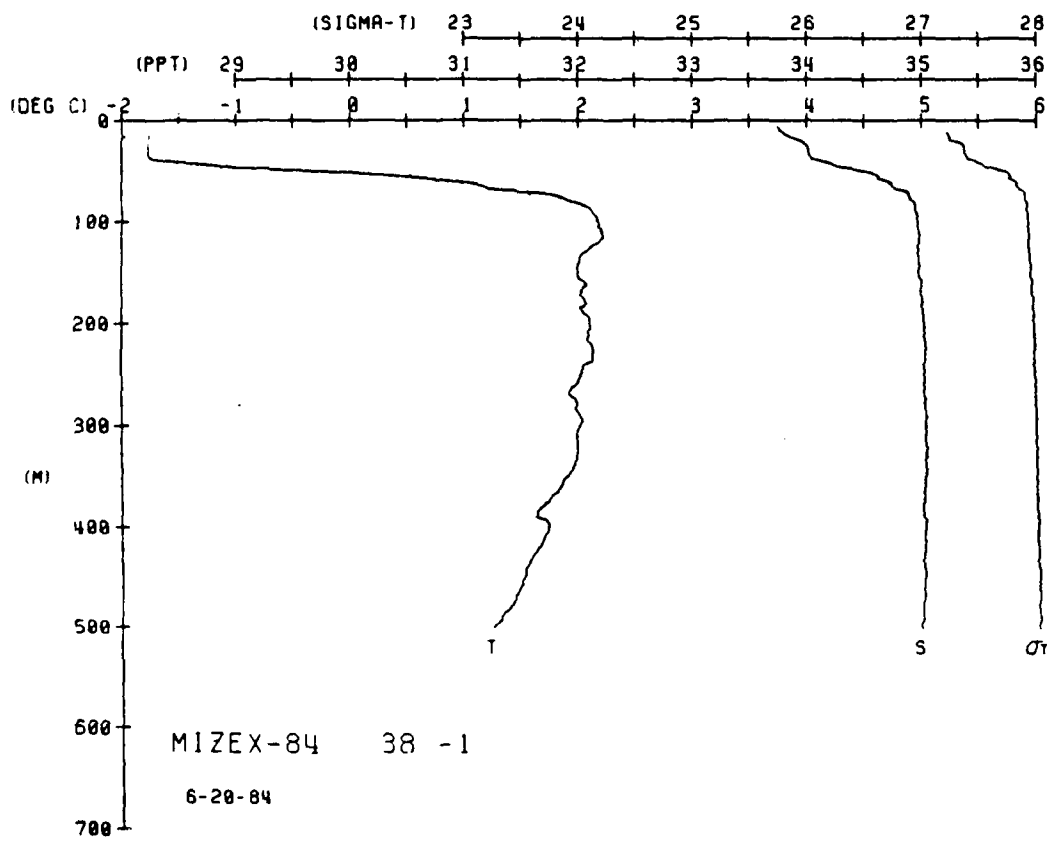
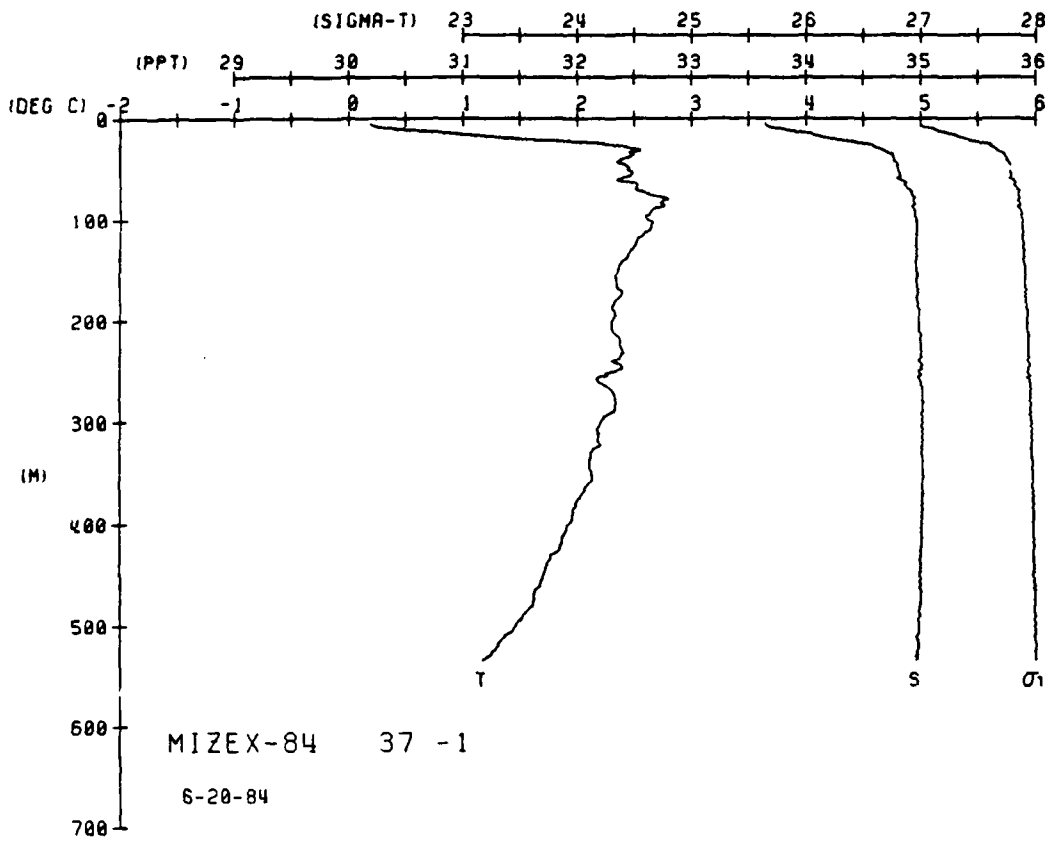




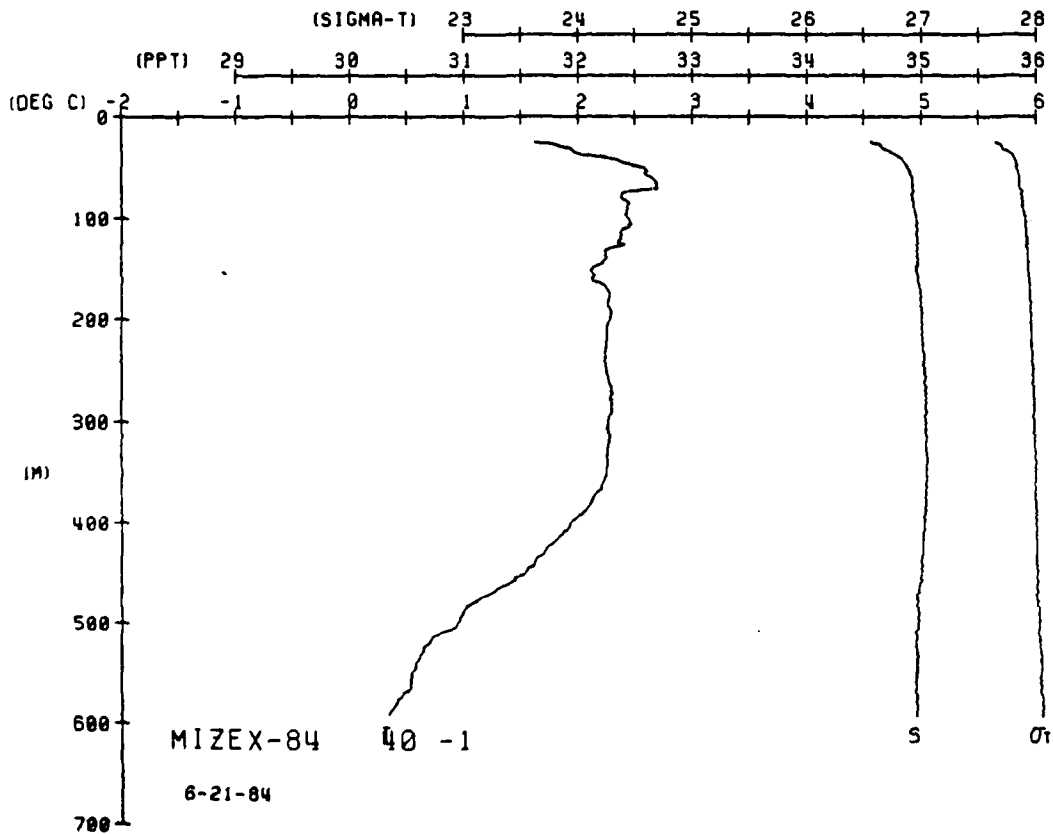
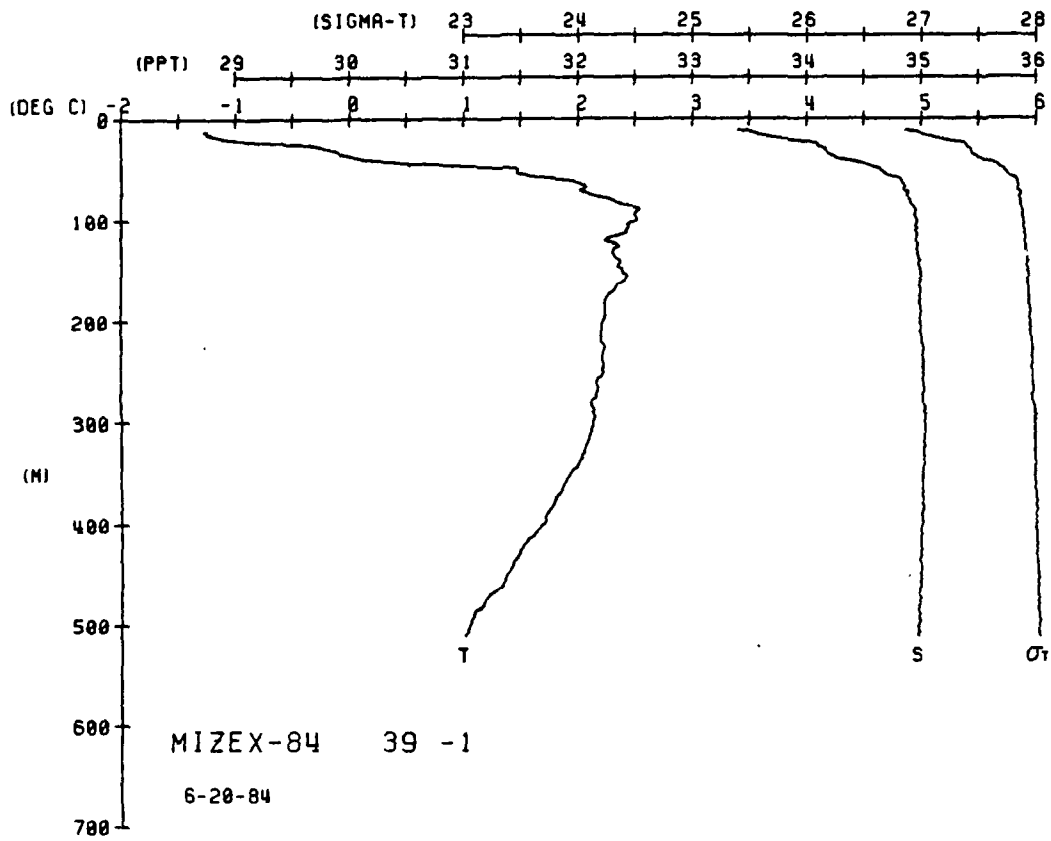










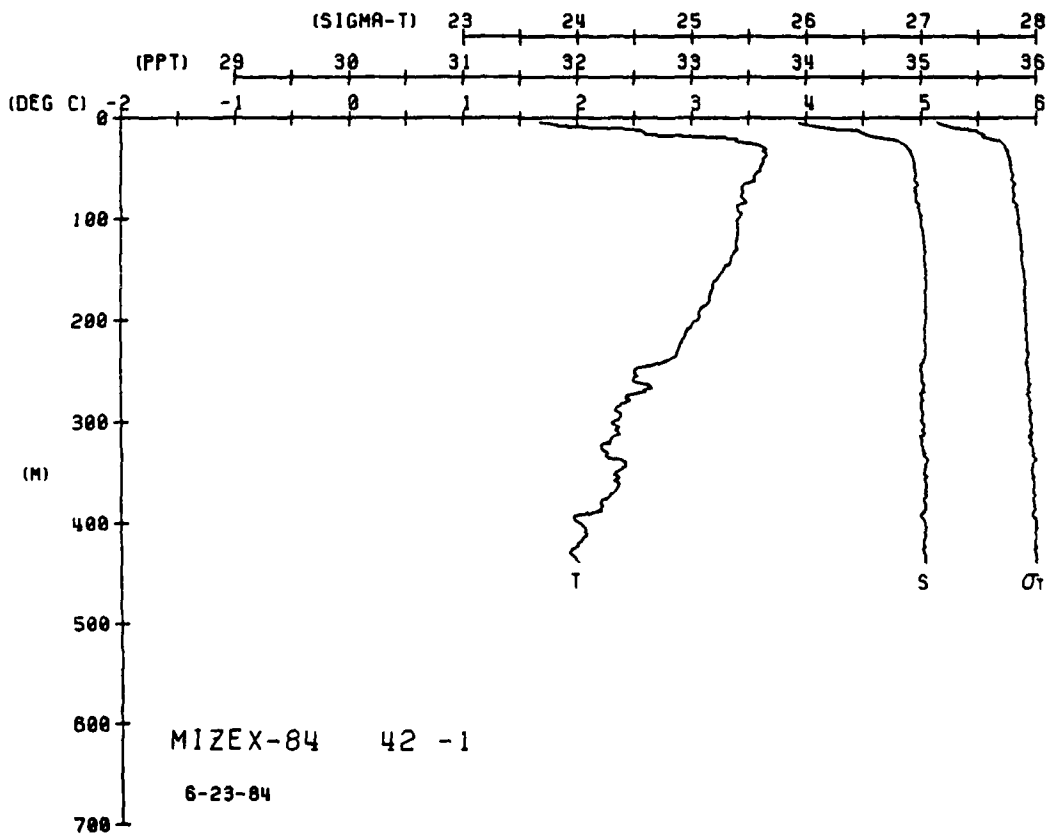
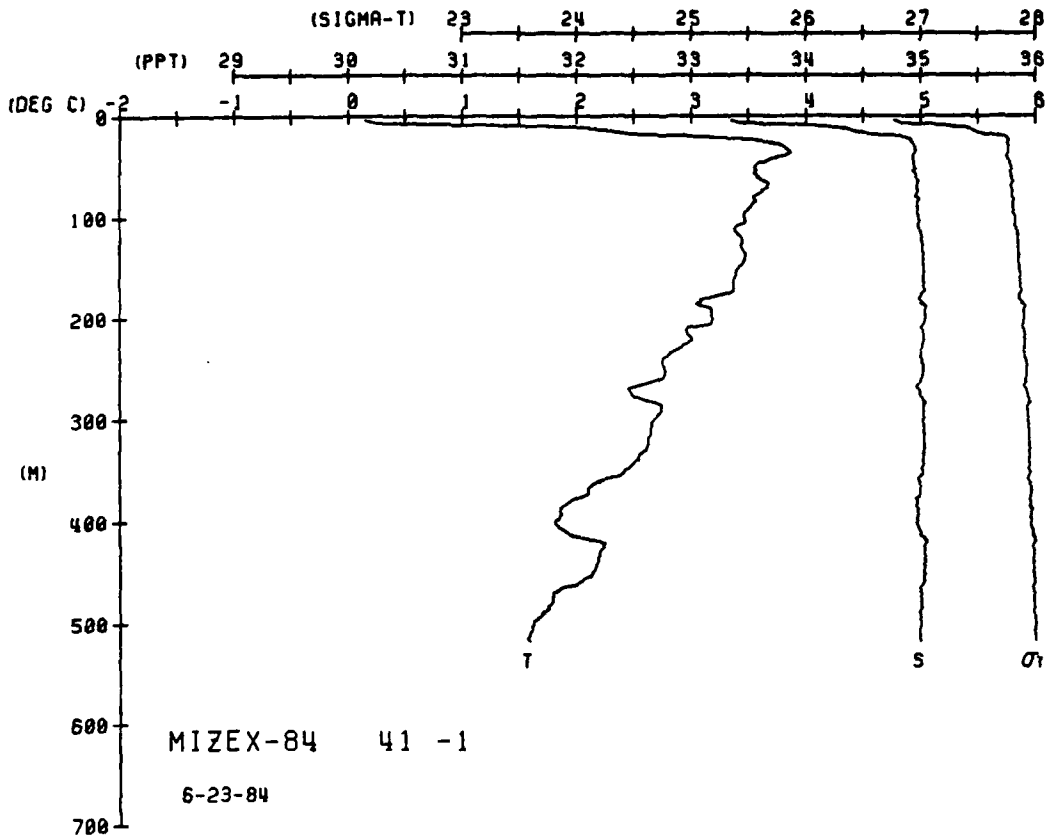


MIXE-84 STATION 41(1) CTD 23/JUN/1984 1333 GMT CODE = 1  
LAT = 79.9517N LMG = 6.6017E LTKR = 150.0 UGR = 150.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 10.6

MIXE-84 STATION 42(1) CTD 23/JUN/1984 1443 GMT CODE = 1  
LAT = 80.0433N LMG = 6.2850E LTKR = 150.0 UGR = 150.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 10.6

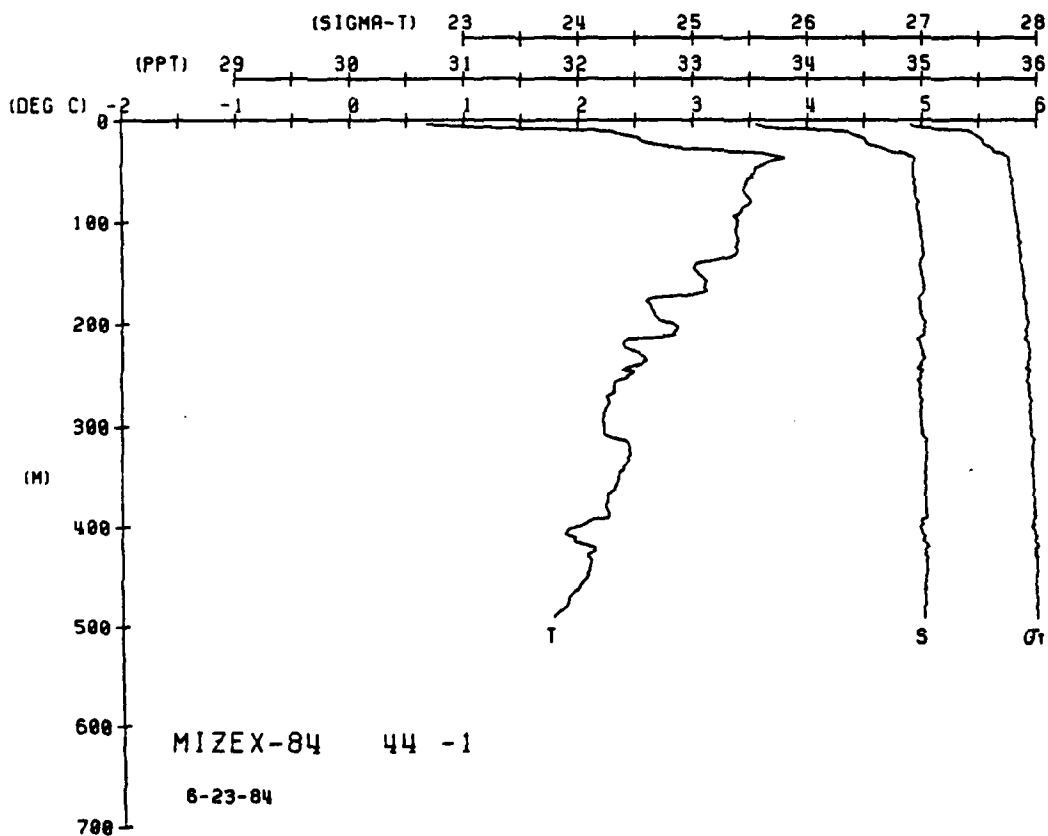
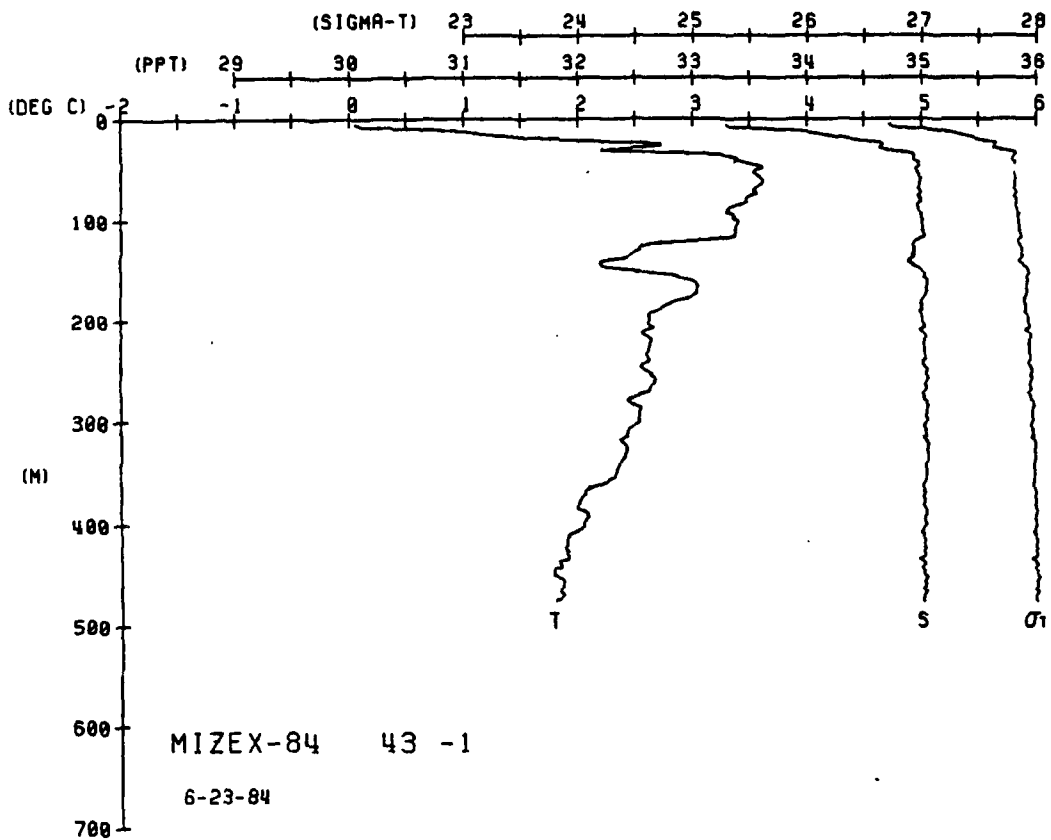
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
0	11.5	11.5	33.3	77.7	126.8	000	1447.8
5	11.5	11.5	33.3	77.7	126.8	000	1447.8
10	11.5	11.5	33.3	77.7	126.8	000	1447.8
15	11.5	11.5	33.3	77.7	126.8	000	1447.8
20	11.5	11.5	33.3	77.7	126.8	000	1447.8
25	11.5	11.5	33.3	77.7	126.8	000	1447.8
30	11.5	11.5	33.3	77.7	126.8	000	1447.8
35	11.5	11.5	33.3	77.7	126.8	000	1447.8
40	11.5	11.5	33.3	77.7	126.8	000	1447.8
45	11.5	11.5	33.3	77.7	126.8	000	1447.8
50	11.5	11.5	33.3	77.7	126.8	000	1447.8
55	11.5	11.5	33.3	77.7	126.8	000	1447.8
60	11.5	11.5	33.3	77.7	126.8	000	1447.8
65	11.5	11.5	33.3	77.7	126.8	000	1447.8
70	11.5	11.5	33.3	77.7	126.8	000	1447.8
75	11.5	11.5	33.3	77.7	126.8	000	1447.8
80	11.5	11.5	33.3	77.7	126.8	000	1447.8
85	11.5	11.5	33.3	77.7	126.8	000	1447.8
90	11.5	11.5	33.3	77.7	126.8	000	1447.8
95	11.5	11.5	33.3	77.7	126.8	000	1447.8
100	11.5	11.5	33.3	77.7	126.8	000	1447.8
105	11.5	11.5	33.3	77.7	126.8	000	1447.8
110	11.5	11.5	33.3	77.7	126.8	000	1447.8
115	11.5	11.5	33.3	77.7	126.8	000	1447.8
120	11.5	11.5	33.3	77.7	126.8	000	1447.8
125	11.5	11.5	33.3	77.7	126.8	000	1447.8
130	11.5	11.5	33.3	77.7	126.8	000	1447.8
135	11.5	11.5	33.3	77.7	126.8	000	1447.8
140	11.5	11.5	33.3	77.7	126.8	000	1447.8
145	11.5	11.5	33.3	77.7	126.8	000	1447.8
150	11.5	11.5	33.3	77.7	126.8	000	1447.8

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
0	11.5	11.5	33.3	77.7	126.8	000	1447.8
5	11.5	11.5	33.3	77.7	126.8	000	1447.8
10	11.5	11.5	33.3	77.7	126.8	000	1447.8
15	11.5	11.5	33.3	77.7	126.8	000	1447.8
20	11.5	11.5	33.3	77.7	126.8	000	1447.8
25	11.5	11.5	33.3	77.7	126.8	000	1447.8
30	11.5	11.5	33.3	77.7	126.8	000	1447.8
35	11.5	11.5	33.3	77.7	126.8	000	1447.8
40	11.5	11.5	33.3	77.7	126.8	000	1447.8
45	11.5	11.5	33.3	77.7	126.8	000	1447.8
50	11.5	11.5	33.3	77.7	126.8	000	1447.8
55	11.5	11.5	33.3	77.7	126.8	000	1447.8
60	11.5	11.5	33.3	77.7	126.8	000	1447.8
65	11.5	11.5	33.3	77.7	126.8	000	1447.8
70	11.5	11.5	33.3	77.7	126.8	000	1447.8
75	11.5	11.5	33.3	77.7	126.8	000	1447.8
80	11.5	11.5	33.3	77.7	126.8	000	1447.8
85	11.5	11.5	33.3	77.7	126.8	000	1447.8
90	11.5	11.5	33.3	77.7	126.8	000	1447.8
95	11.5	11.5	33.3	77.7	126.8	000	1447.8
100	11.5	11.5	33.3	77.7	126.8	000	1447.8
105	11.5	11.5	33.3	77.7	126.8	000	1447.8
110	11.5	11.5	33.3	77.7	126.8	000	1447.8
115	11.5	11.5	33.3	77.7	126.8	000	1447.8
120	11.5	11.5	33.3	77.7	126.8	000	1447.8
125	11.5	11.5	33.3	77.7	126.8	000	1447.8
130	11.5	11.5	33.3	77.7	126.8	000	1447.8
135	11.5	11.5	33.3	77.7	126.8	000	1447.8
140	11.5	11.5	33.3	77.7	126.8	000	1447.8
145	11.5	11.5	33.3	77.7	126.8	000	1447.8
150	11.5	11.5	33.3	77.7	126.8	000	1447.8

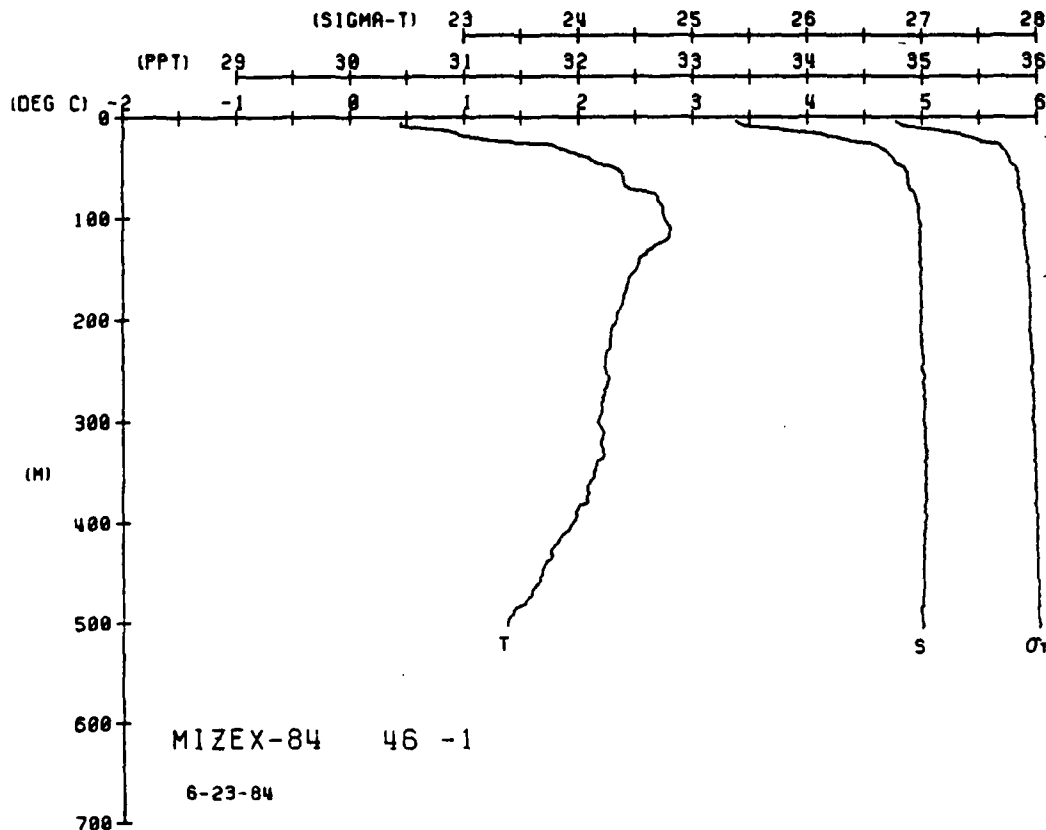
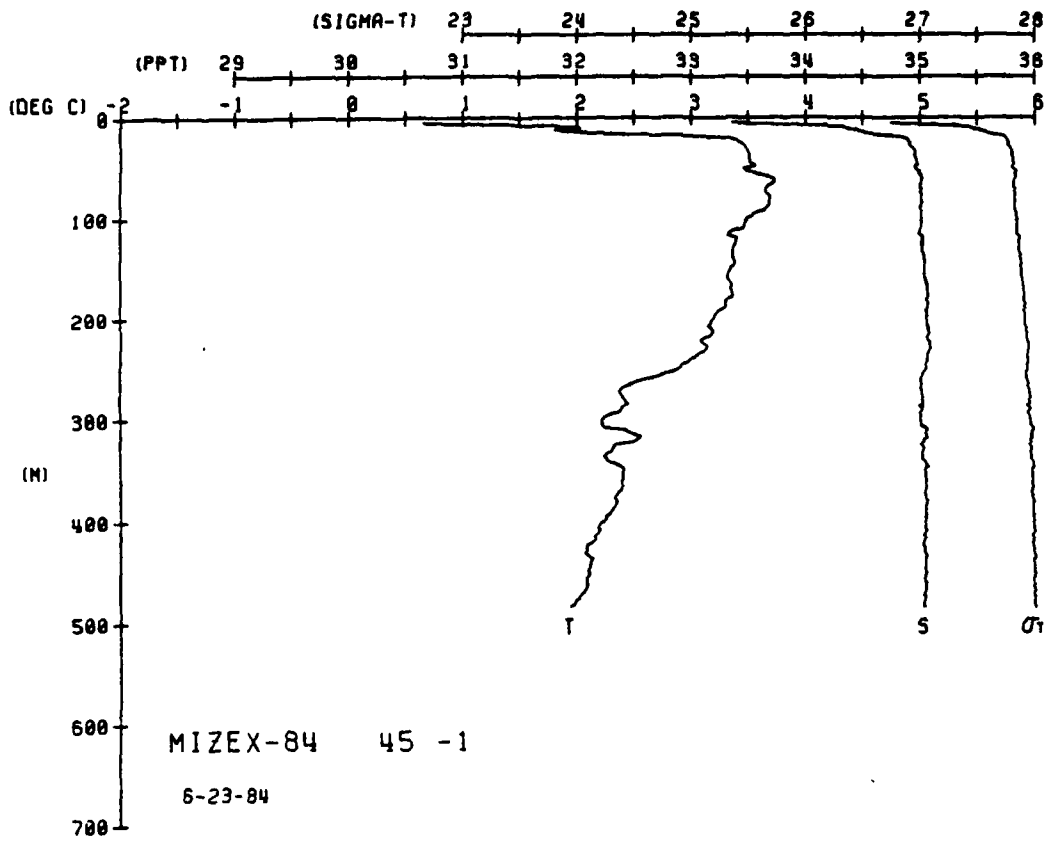










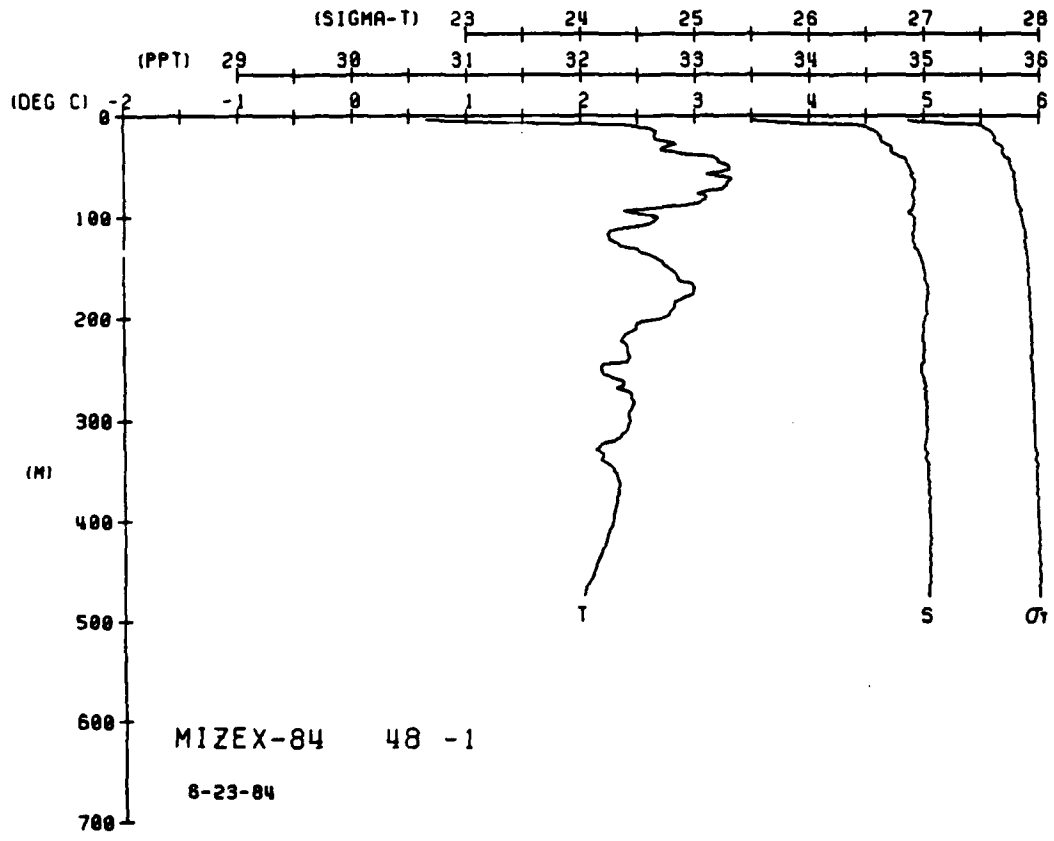
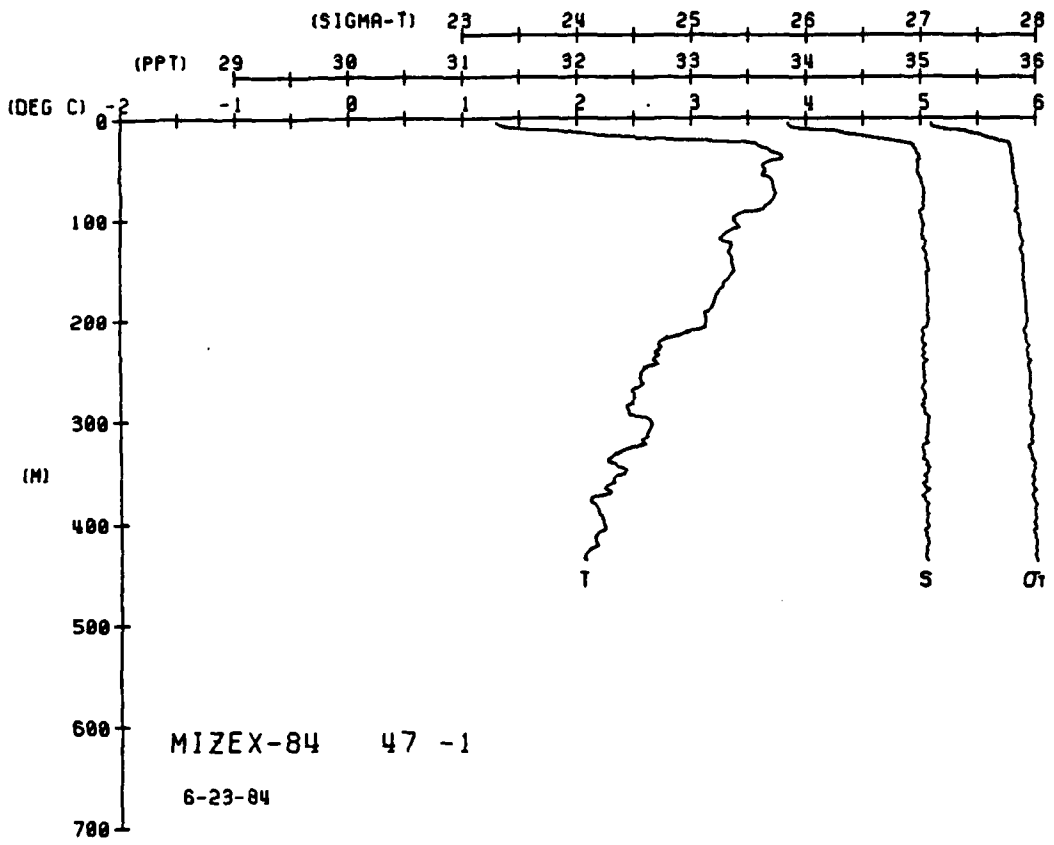


NIZEX-84 STATION 48(1) CTD 23/JUN/1984 1722 GMT CODE = 1  
LAT = 80.1583N LMG = 150.7 UGER = 150.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

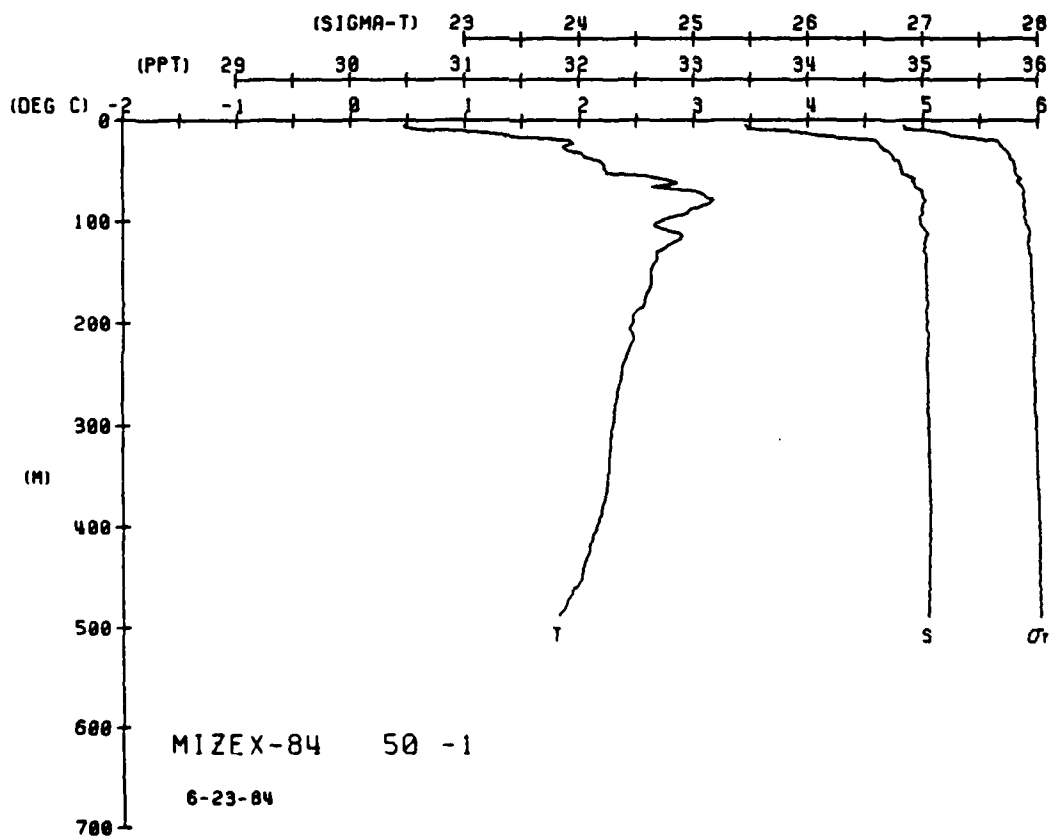
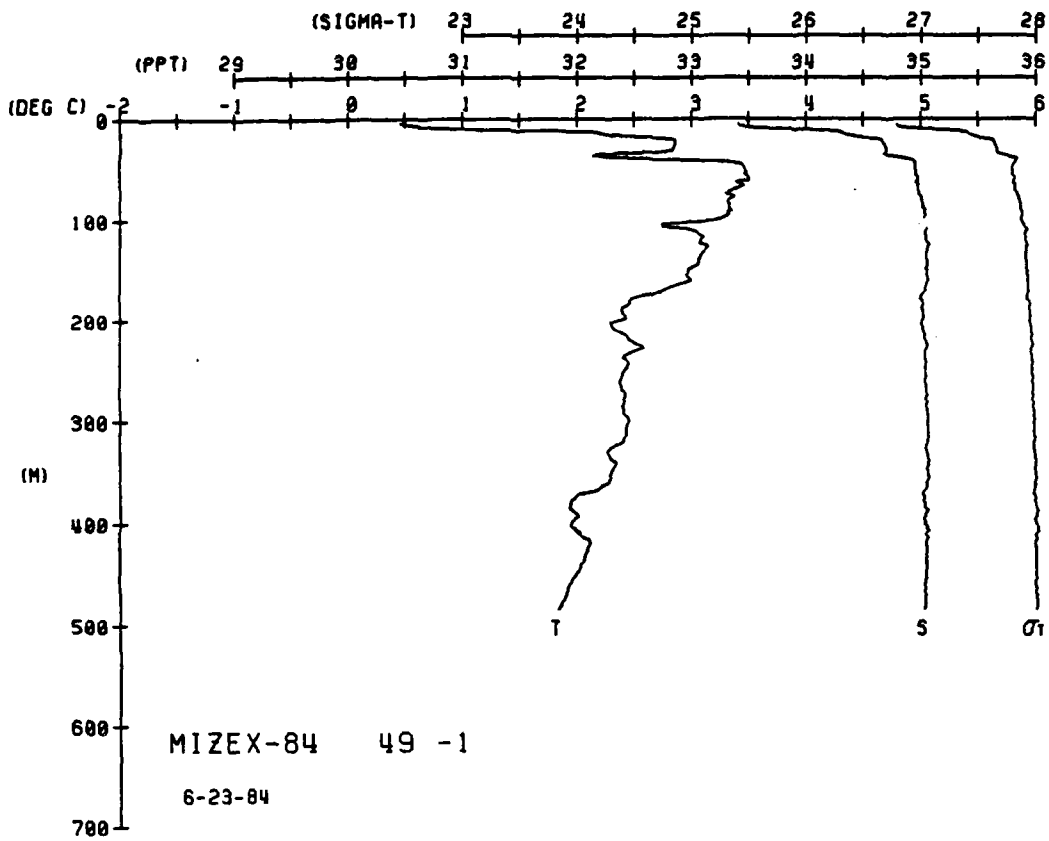
DEPTH	TEMP	PIEMP	SALIN	6IG T	SPVOL	DYNHI	SOUND
00	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00
105	00	00	00	00	00	00	00
110	00	00	00	00	00	00	00
115	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00
125	00	00	00	00	00	00	00
130	00	00	00	00	00	00	00
135	00	00	00	00	00	00	00
140	00	00	00	00	00	00	00
145	00	00	00	00	00	00	00
150	00	00	00	00	00	00	00
155	00	00	00	00	00	00	00
160	00	00	00	00	00	00	00
165	00	00	00	00	00	00	00
170	00	00	00	00	00	00	00
175	00	00	00	00	00	00	00
180	00	00	00	00	00	00	00
185	00	00	00	00	00	00	00
190	00	00	00	00	00	00	00
195	00	00	00	00	00	00	00
200	00	00	00	00	00	00	00

NIZEX-84 STATION 47(1) CTD 23/JUN/1984 1639 GMT CODE = 1  
LAT = 80.333N LMG = 150.7 UGER = 150.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PIEMP	SALIN	6IG T	SPVOL	DYNHI	SOUND
00	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00
105	00	00	00	00	00	00	00
110	00	00	00	00	00	00	00
115	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00
125	00	00	00	00	00	00	00
130	00	00	00	00	00	00	00
135	00	00	00	00	00	00	00
140	00	00	00	00	00	00	00
145	00	00	00	00	00	00	00
150	00	00	00	00	00	00	00
155	00	00	00	00	00	00	00
160	00	00	00	00	00	00	00
165	00	00	00	00	00	00	00
170	00	00	00	00	00	00	00
175	00	00	00	00	00	00	00
180	00	00	00	00	00	00	00
185	00	00	00	00	00	00	00
190	00	00	00	00	00	00	00
195	00	00	00	00	00	00	00
200	00	00	00	00	00	00	00

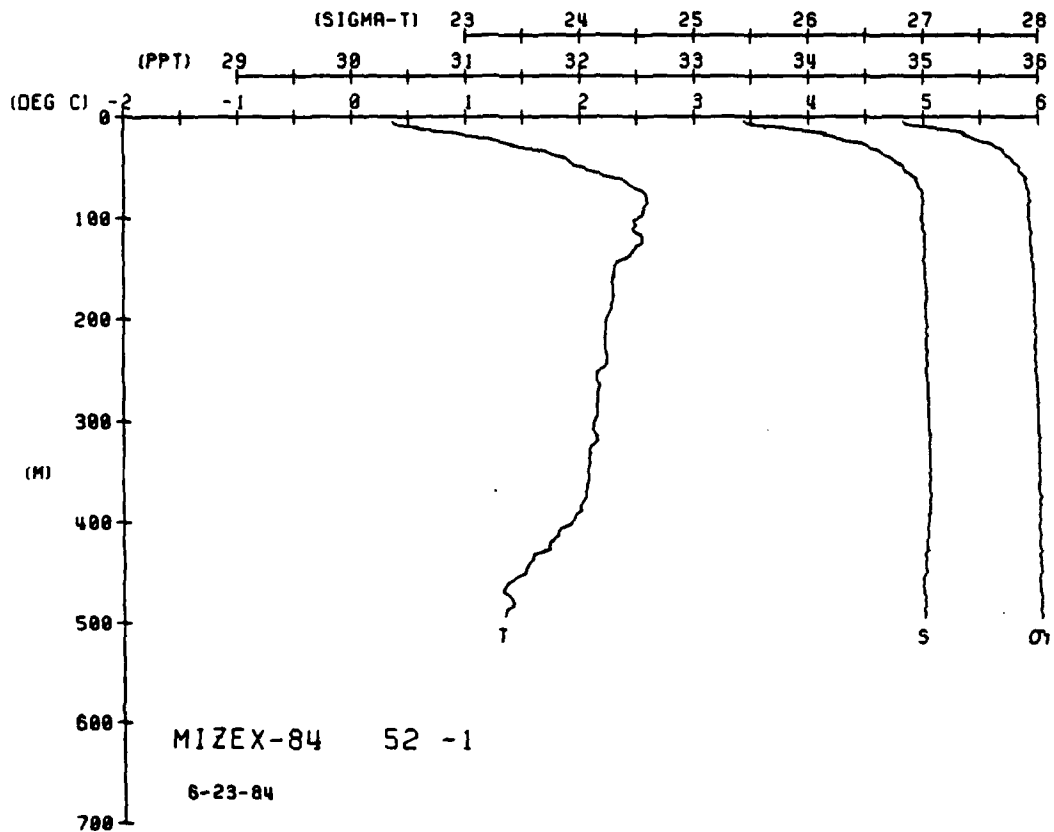
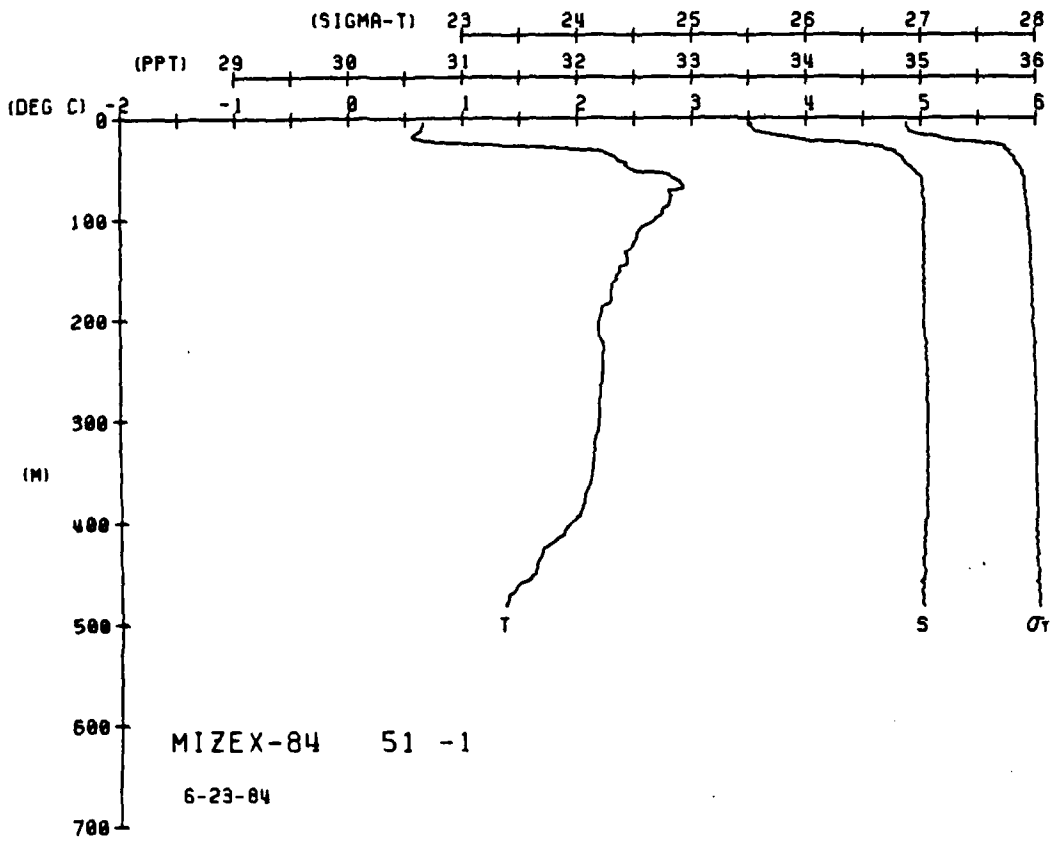










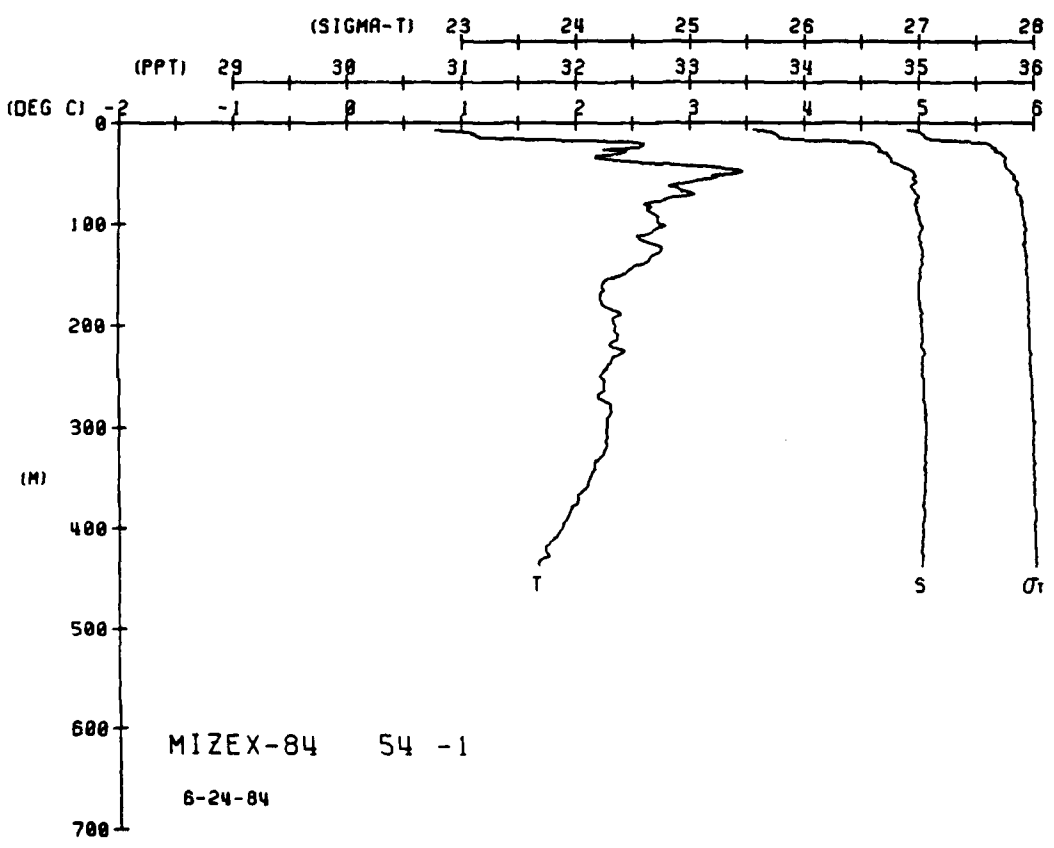
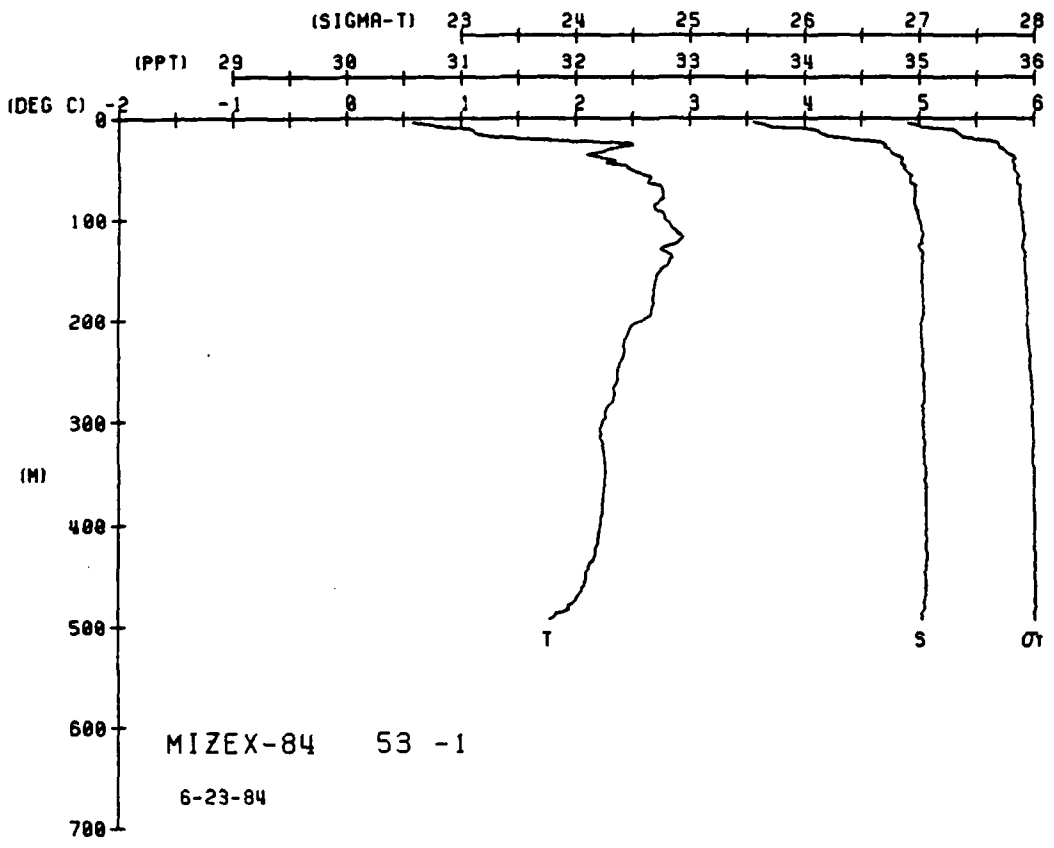


MIXE-84 STATION 53(1) CTD 23/JUN/1984 2118 GMT CUDE = 1  
LAT = 80.1250N LMG = 6.2000E LTER = 300. LGER = 300.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

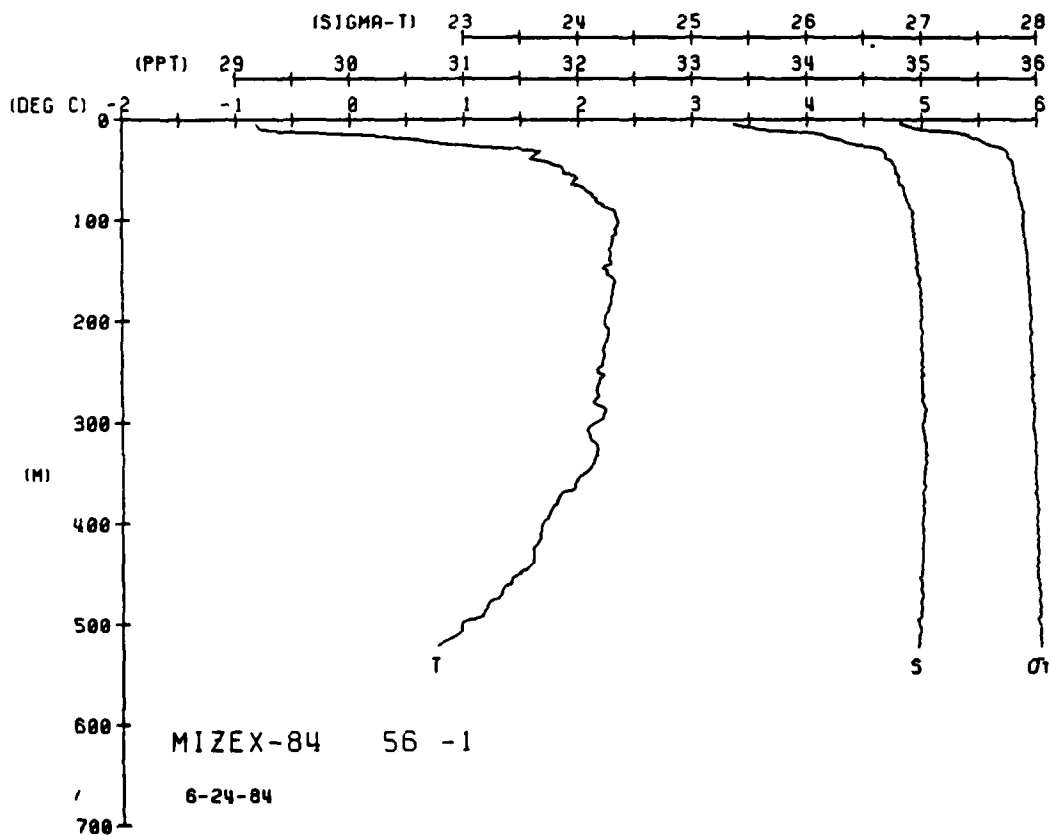
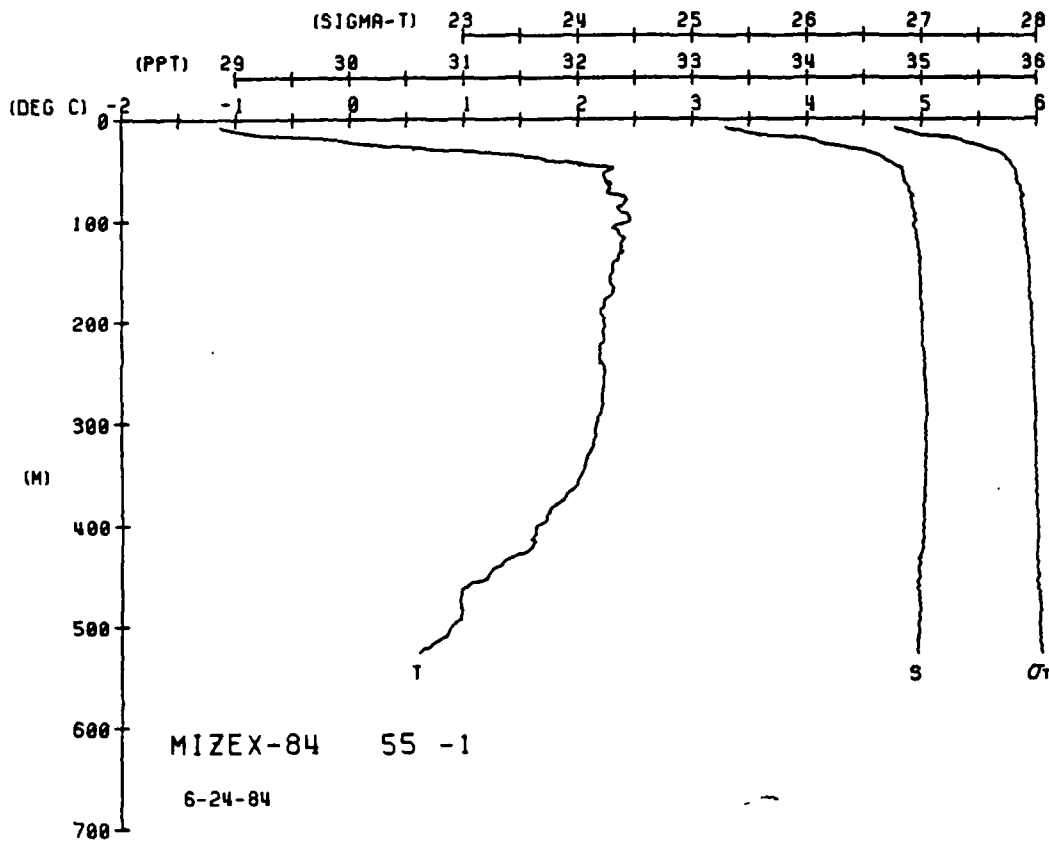
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHNT	SOUND
00	00	00	00	00	00	00	00
01	00	00	00	00	00	00	00
02	00	00	00	00	00	00	00
03	00	00	00	00	00	00	00
04	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
06	00	00	00	00	00	00	00
07	00	00	00	00	00	00	00
08	00	00	00	00	00	00	00
09	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
11	00	00	00	00	00	00	00
12	00	00	00	00	00	00	00
13	00	00	00	00	00	00	00
14	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
16	00	00	00	00	00	00	00
17	00	00	00	00	00	00	00
18	00	00	00	00	00	00	00
19	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
21	00	00	00	00	00	00	00
22	00	00	00	00	00	00	00
23	00	00	00	00	00	00	00
24	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
26	00	00	00	00	00	00	00
27	00	00	00	00	00	00	00
28	00	00	00	00	00	00	00
29	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
31	00	00	00	00	00	00	00
32	00	00	00	00	00	00	00
33	00	00	00	00	00	00	00
34	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
36	00	00	00	00	00	00	00
37	00	00	00	00	00	00	00
38	00	00	00	00	00	00	00
39	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
41	00	00	00	00	00	00	00
42	00	00	00	00	00	00	00
43	00	00	00	00	00	00	00
44	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
46	00	00	00	00	00	00	00
47	00	00	00	00	00	00	00
48	00	00	00	00	00	00	00
49	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00

MIXE-84 STATION 54(1) CTD 24/JUN/1984 1136 GMT CUDE = 1  
LAT = 80.1250N LMG = 6.4767E LTER = 300. LGER = 300.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHNT	SOUND
00	00	00	00	00	00	00	00
01	00	00	00	00	00	00	00
02	00	00	00	00	00	00	00
03	00	00	00	00	00	00	00
04	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
06	00	00	00	00	00	00	00
07	00	00	00	00	00	00	00
08	00	00	00	00	00	00	00
09	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
11	00	00	00	00	00	00	00
12	00	00	00	00	00	00	00
13	00	00	00	00	00	00	00
14	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
16	00	00	00	00	00	00	00
17	00	00	00	00	00	00	00
18	00	00	00	00	00	00	00
19	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
21	00	00	00	00	00	00	00
22	00	00	00	00	00	00	00
23	00	00	00	00	00	00	00
24	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
26	00	00	00	00	00	00	00
27	00	00	00	00	00	00	00
28	00	00	00	00	00	00	00
29	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
31	00	00	00	00	00	00	00
32	00	00	00	00	00	00	00
33	00	00	00	00	00	00	00
34	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
36	00	00	00	00	00	00	00
37	00	00	00	00	00	00	00
38	00	00	00	00	00	00	00
39	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
41	00	00	00	00	00	00	00
42	00	00	00	00	00	00	00
43	00	00	00	00	00	00	00
44	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
46	00	00	00	00	00	00	00
47	00	00	00	00	00	00	00
48	00	00	00	00	00	00	00
49	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00





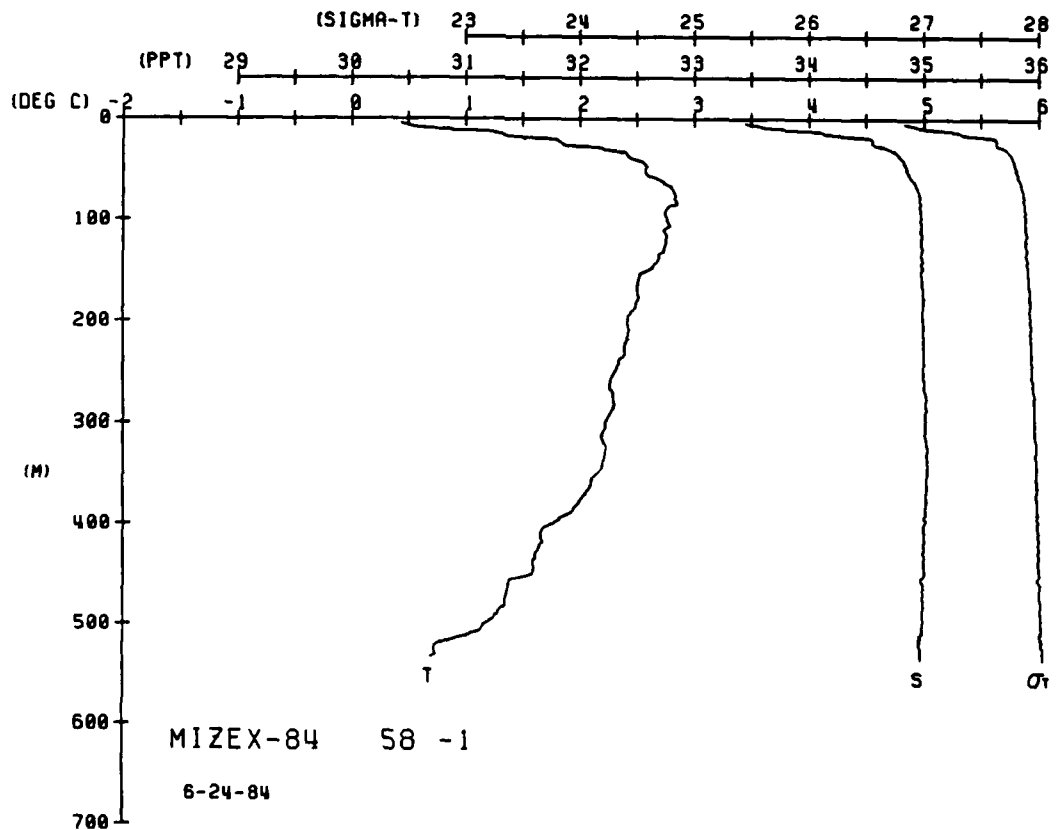
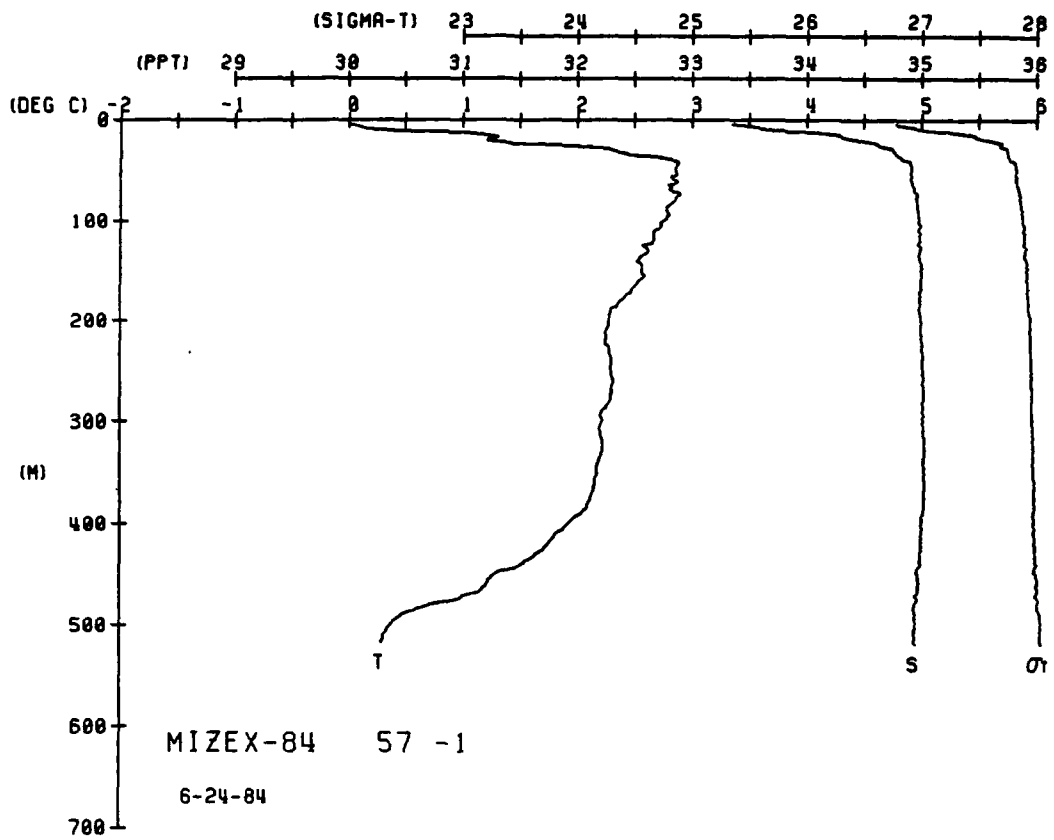


MIREX-84 STATION 57(1) CIU 24/JUN/1984 1417 GMT CODE = 1  
 LAT = 80.2917N LMG = 6.4917E LTER = 300 LGER = 300  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DIRHT	SOUND
0	0.0	0.0	36.36	8.78	8.78	00	147.1
5	0.0	0.0	36.36	8.78	8.78	00	147.1
10	0.0	0.0	36.36	8.78	8.78	00	147.1
15	0.0	0.0	36.36	8.78	8.78	00	147.1
20	0.0	0.0	36.36	8.78	8.78	00	147.1
25	0.0	0.0	36.36	8.78	8.78	00	147.1
30	0.0	0.0	36.36	8.78	8.78	00	147.1
35	0.0	0.0	36.36	8.78	8.78	00	147.1
40	0.0	0.0	36.36	8.78	8.78	00	147.1
45	0.0	0.0	36.36	8.78	8.78	00	147.1
50	0.0	0.0	36.36	8.78	8.78	00	147.1
55	0.0	0.0	36.36	8.78	8.78	00	147.1
60	0.0	0.0	36.36	8.78	8.78	00	147.1
65	0.0	0.0	36.36	8.78	8.78	00	147.1
70	0.0	0.0	36.36	8.78	8.78	00	147.1
75	0.0	0.0	36.36	8.78	8.78	00	147.1
80	0.0	0.0	36.36	8.78	8.78	00	147.1
85	0.0	0.0	36.36	8.78	8.78	00	147.1
90	0.0	0.0	36.36	8.78	8.78	00	147.1
95	0.0	0.0	36.36	8.78	8.78	00	147.1
100	0.0	0.0	36.36	8.78	8.78	00	147.1

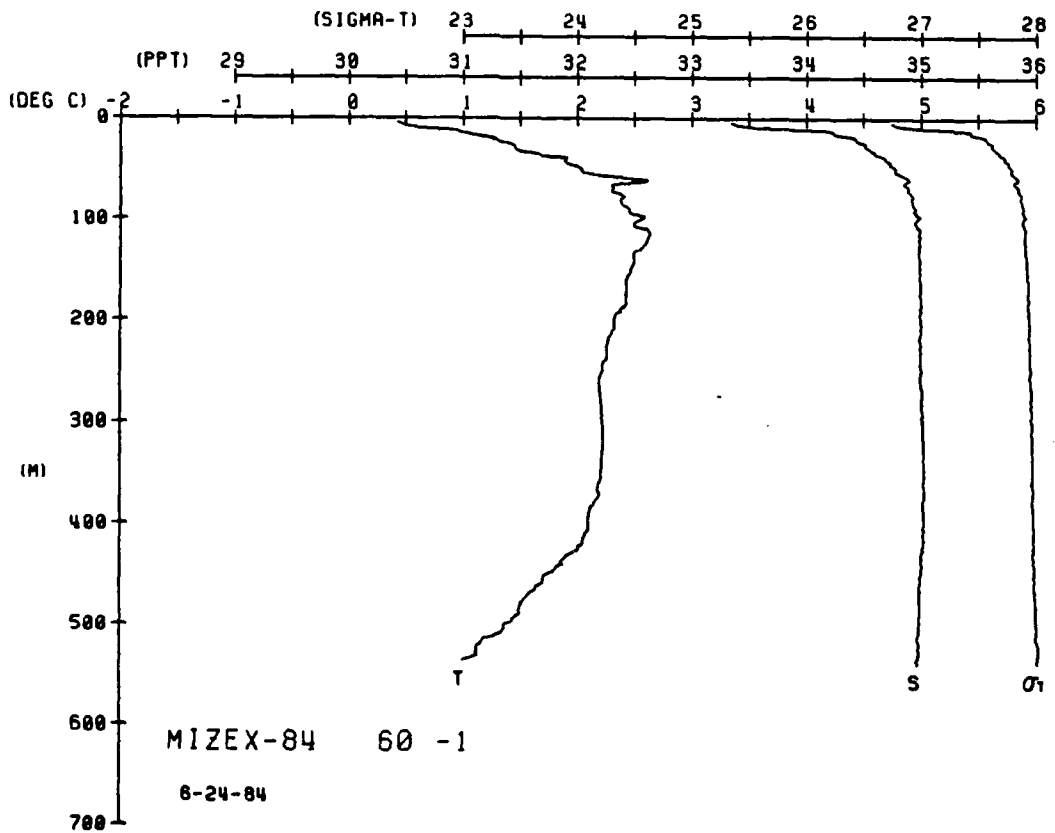
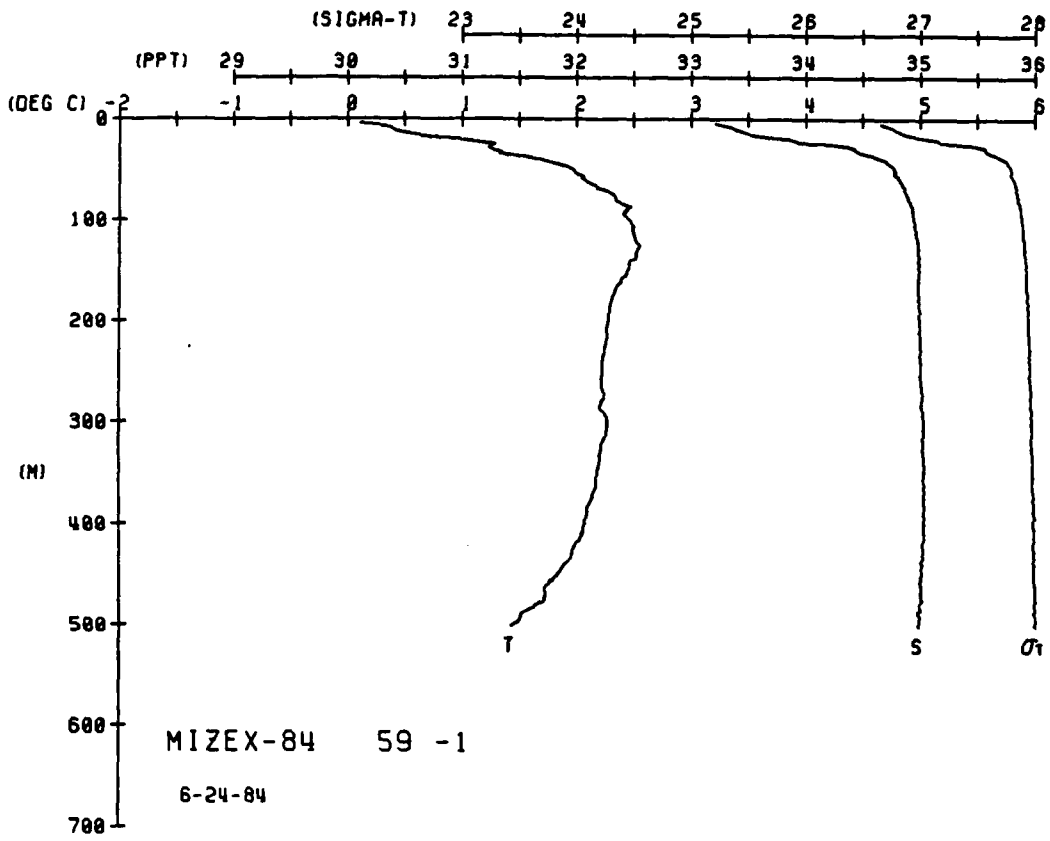
MIREX-84 STATION 58(1) CIU 24/JUN/1984 1503 GMT CODE = 1  
 LAT = 80.2117N LMG = 6.5483E LTER = 300 LGER = 300  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DIRHT	SOUND
0	0.0	0.0	33.43	8.23	8.23	00	149.1
5	0.0	0.0	33.43	8.23	8.23	00	149.1
10	0.0	0.0	33.43	8.23	8.23	00	149.1
15	0.0	0.0	33.43	8.23	8.23	00	149.1
20	0.0	0.0	33.43	8.23	8.23	00	149.1
25	0.0	0.0	33.43	8.23	8.23	00	149.1
30	0.0	0.0	33.43	8.23	8.23	00	149.1
35	0.0	0.0	33.43	8.23	8.23	00	149.1
40	0.0	0.0	33.43	8.23	8.23	00	149.1
45	0.0	0.0	33.43	8.23	8.23	00	149.1
50	0.0	0.0	33.43	8.23	8.23	00	149.1
55	0.0	0.0	33.43	8.23	8.23	00	149.1
60	0.0	0.0	33.43	8.23	8.23	00	149.1
65	0.0	0.0	33.43	8.23	8.23	00	149.1
70	0.0	0.0	33.43	8.23	8.23	00	149.1
75	0.0	0.0	33.43	8.23	8.23	00	149.1
80	0.0	0.0	33.43	8.23	8.23	00	149.1
85	0.0	0.0	33.43	8.23	8.23	00	149.1
90	0.0	0.0	33.43	8.23	8.23	00	149.1
95	0.0	0.0	33.43	8.23	8.23	00	149.1
100	0.0	0.0	33.43	8.23	8.23	00	149.1

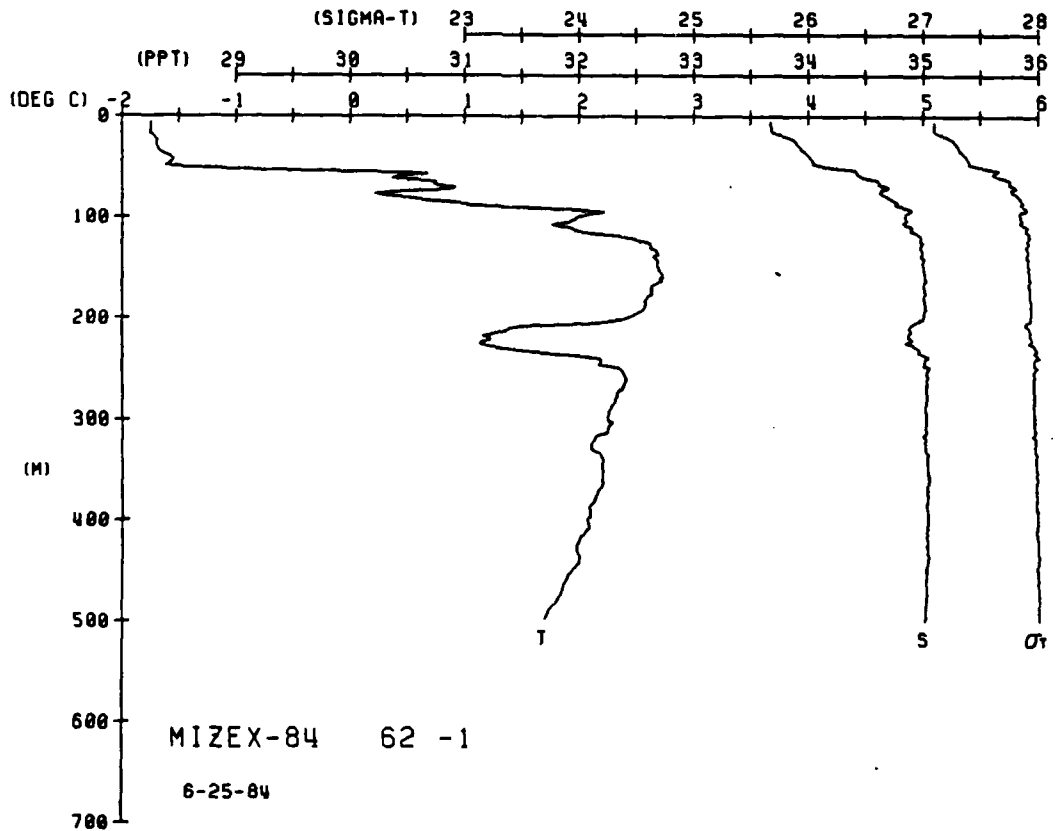
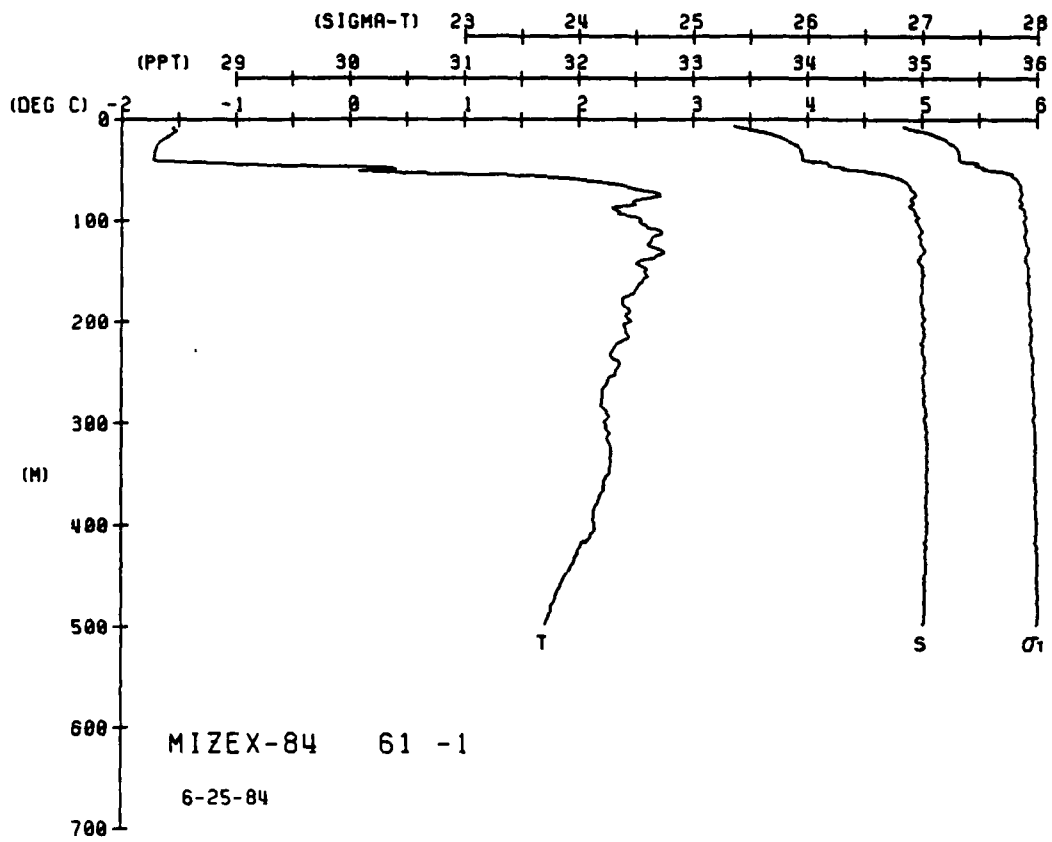










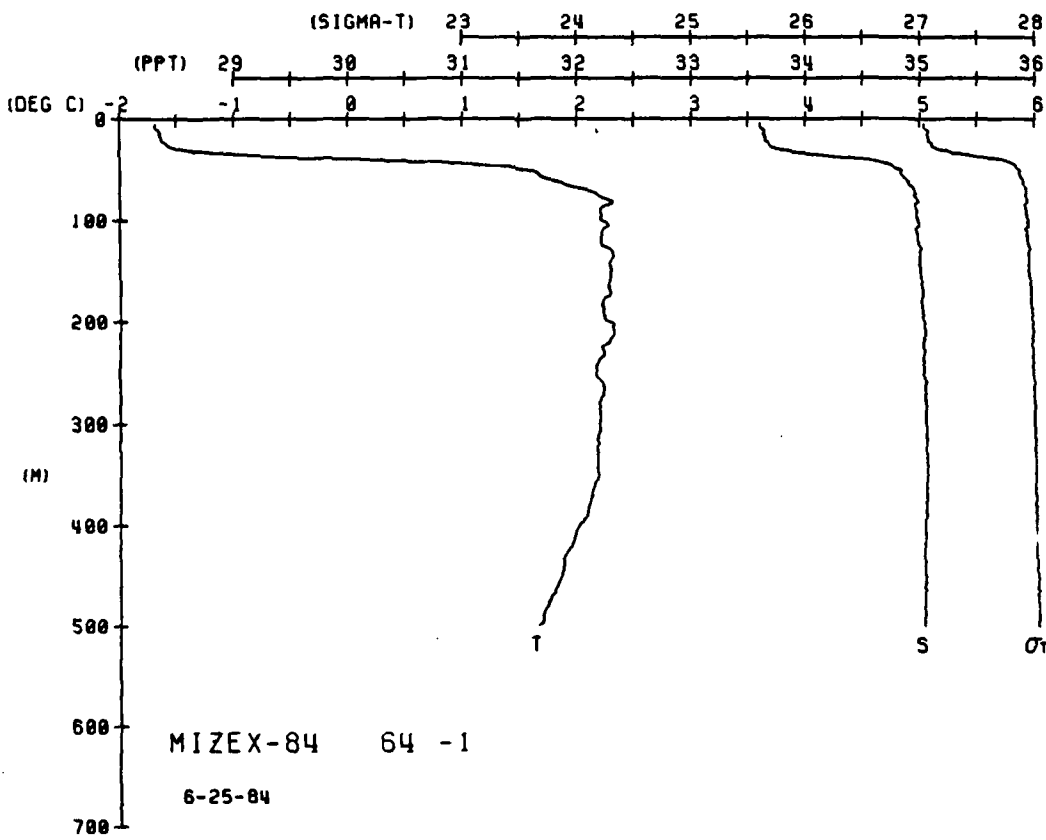
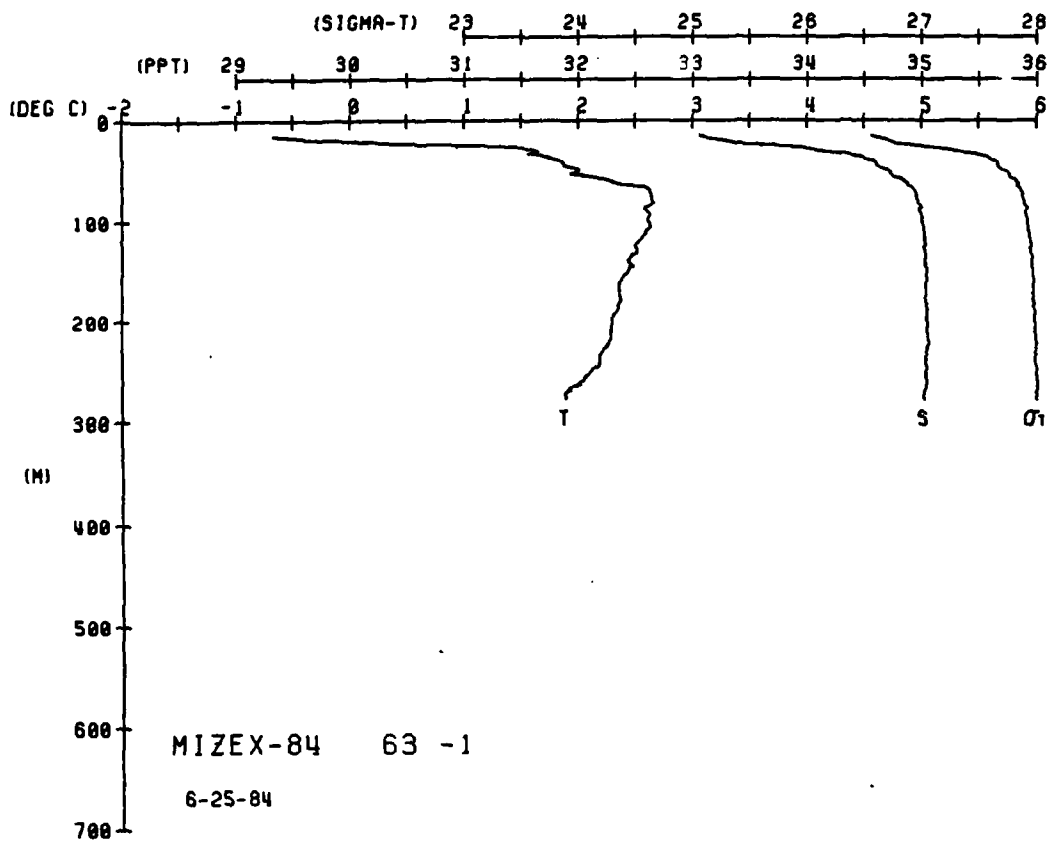


MIXE-84 STATION 63(1) CTD 25/JUN/1984 1020 GMT CODE = 1  
LAT = 80.3500N LNG = 3.1400E LTK = 150.0 UGEN = 150.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

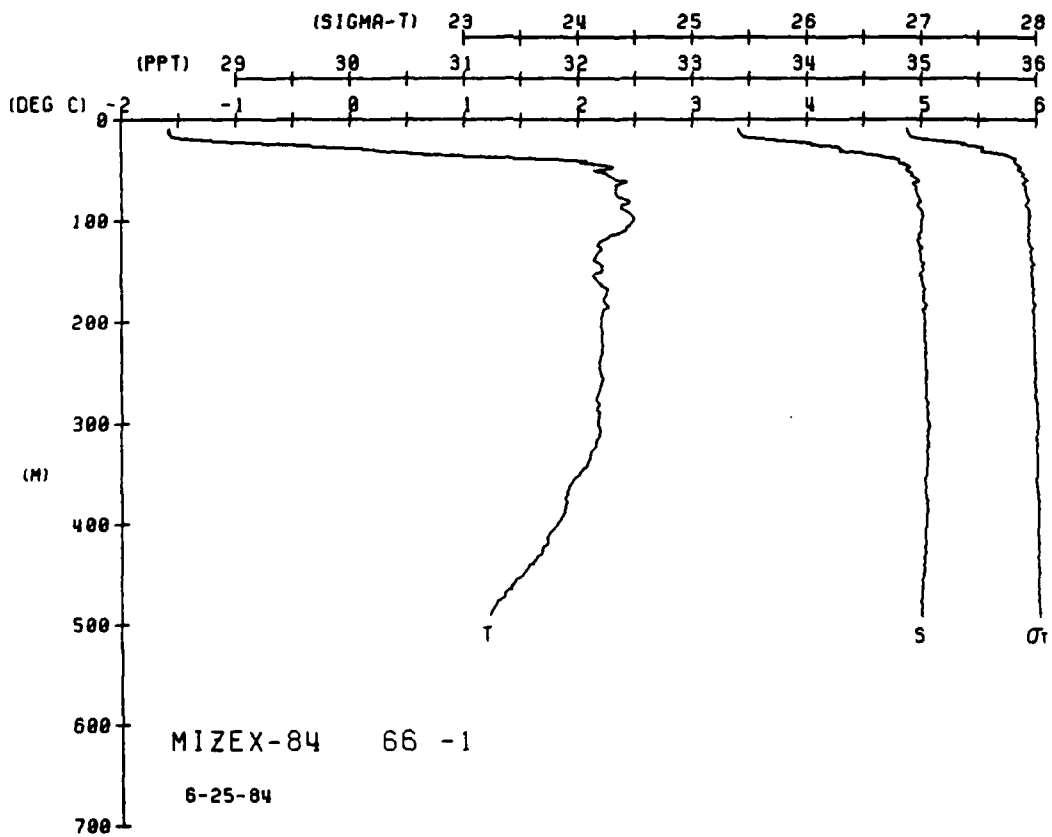
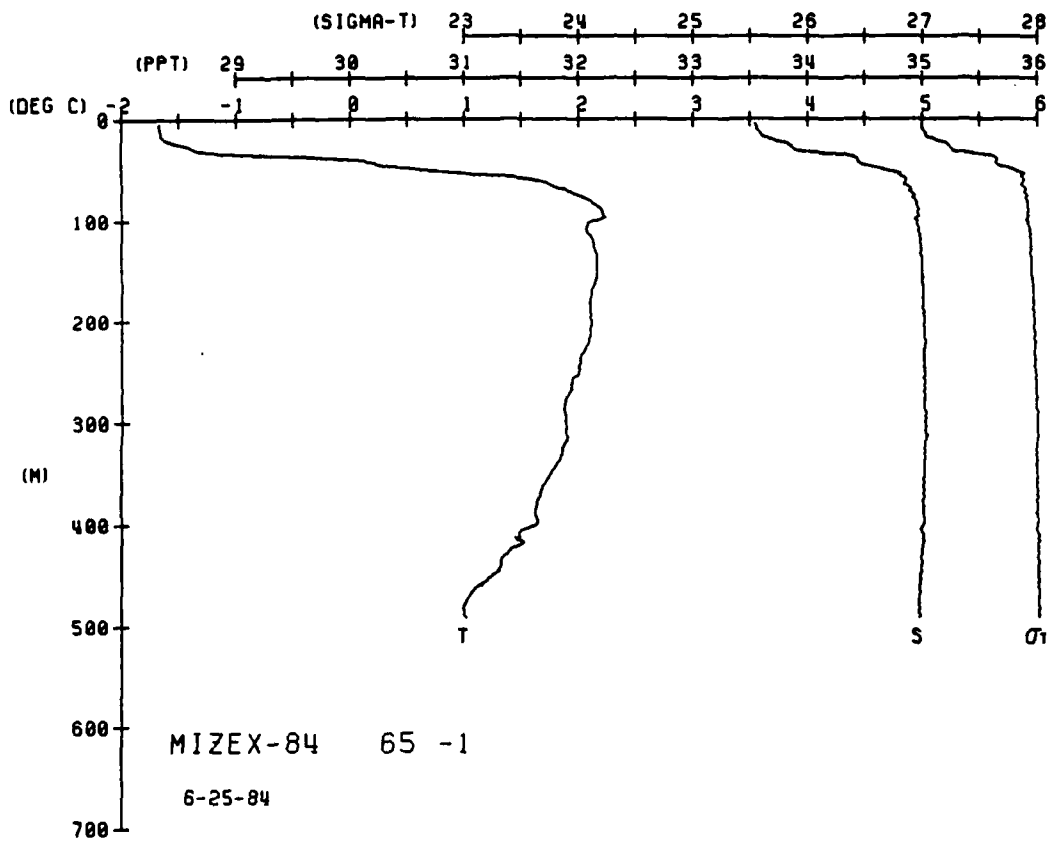
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DYINT	SOUND
0	00	00	00	00	00	00	00
5	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00

MIXE-84 STATION 64(1) CTD 25/JUN/1984 1034 GMT CODE = 1  
LAT = 80.8333N LNG = 2.7500E LTK = 150.0 UGEN = 150.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DYINT	SOUND
0	00	00	00	00	00	00	00
5	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00

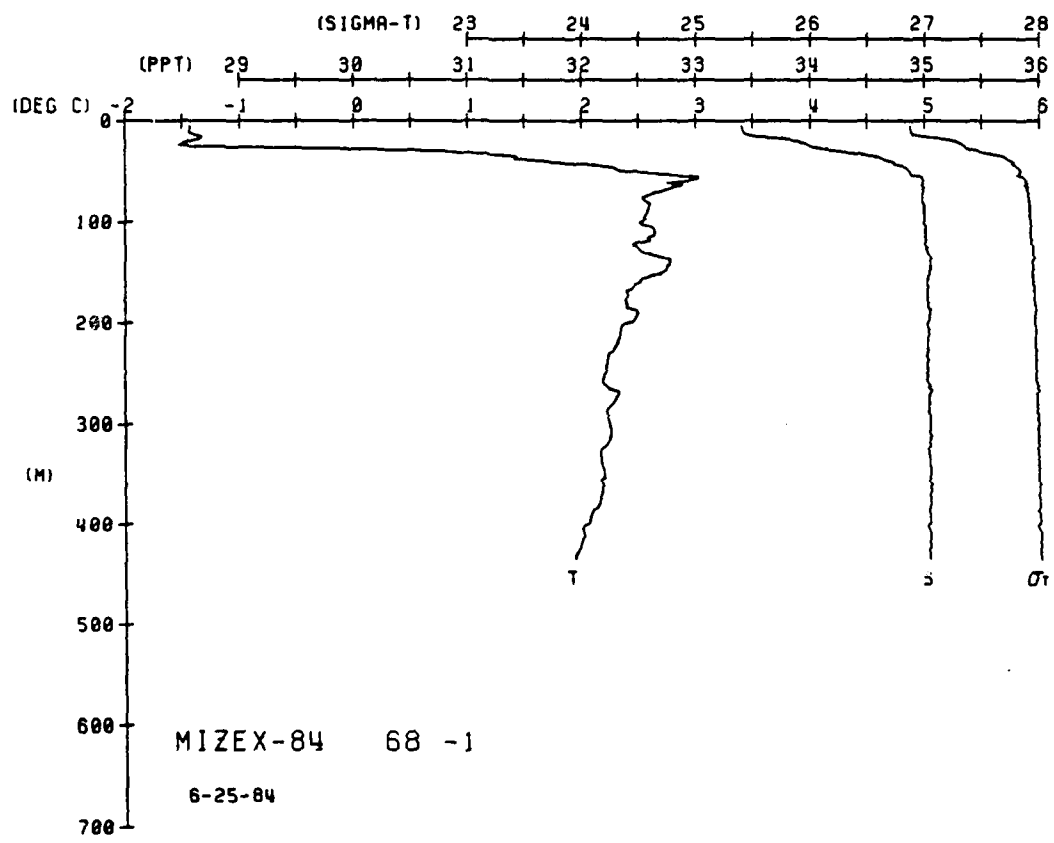
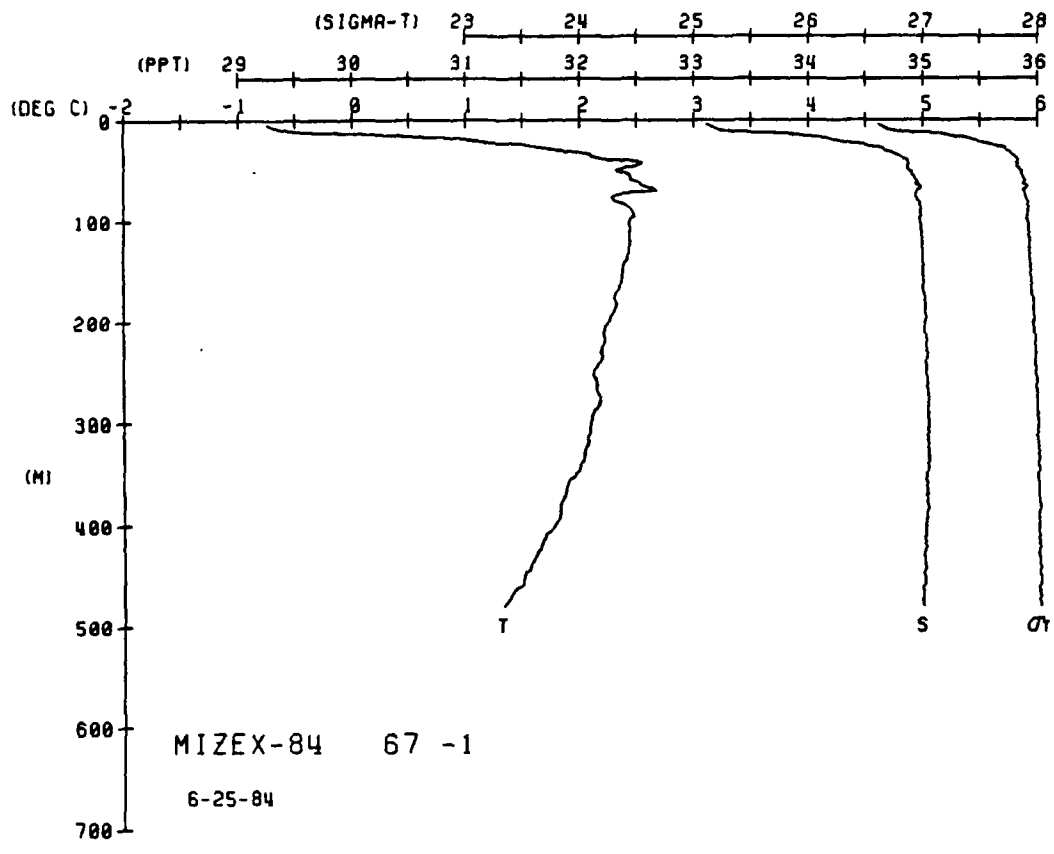












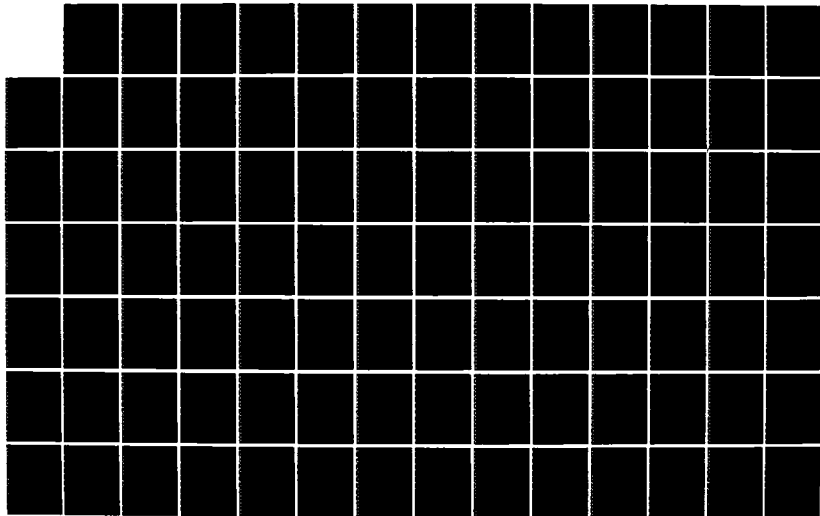
AD-A163 096

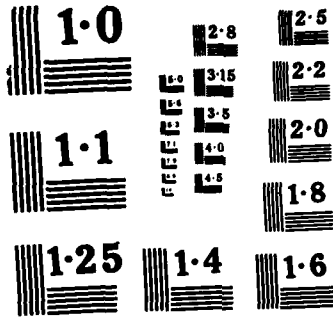
MARGINAL ICE ZONE EXPERIMENT - 1984 PHYSICAL  
OCEANOGRAPHY REPORT: USNS LY. (U) LAMONT-DOHERTY  
GEOLOGICAL OBSERVATORY PALISADES NY T O HANLEY DEC 85  
LDGO-85-7 N00014-84-C-0132 F/G 8/10

2/9

UNCLASSIFIED

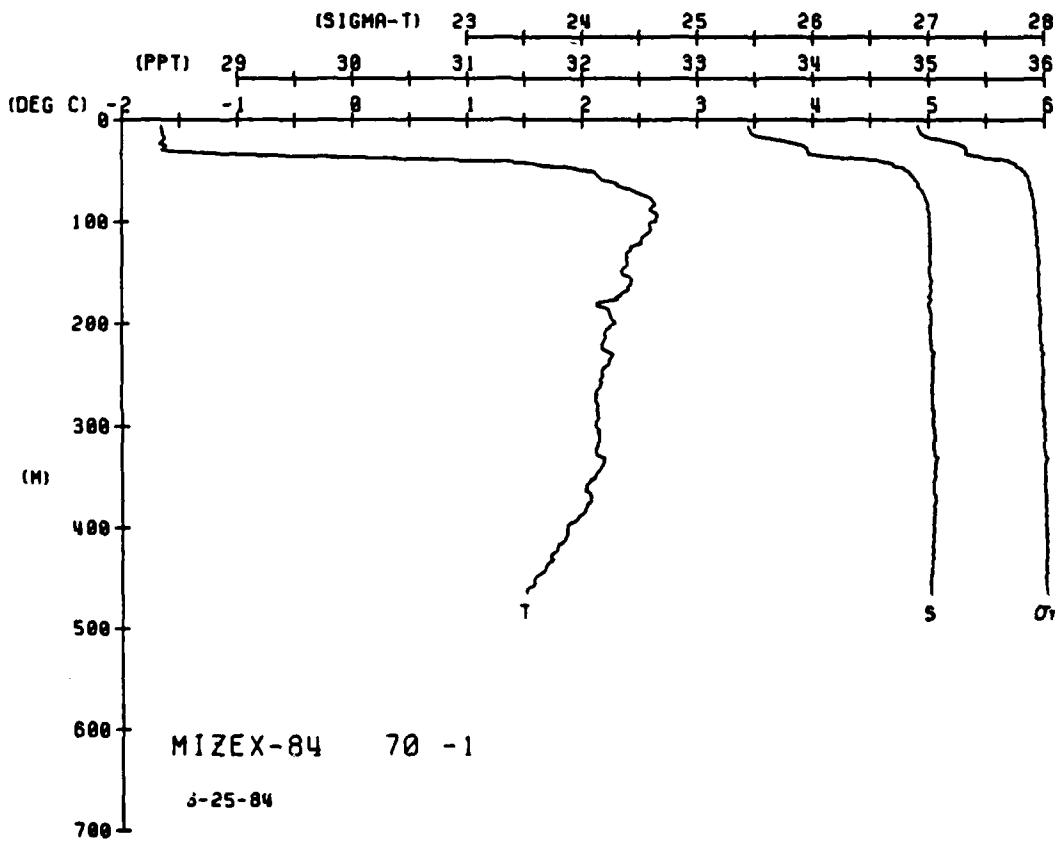
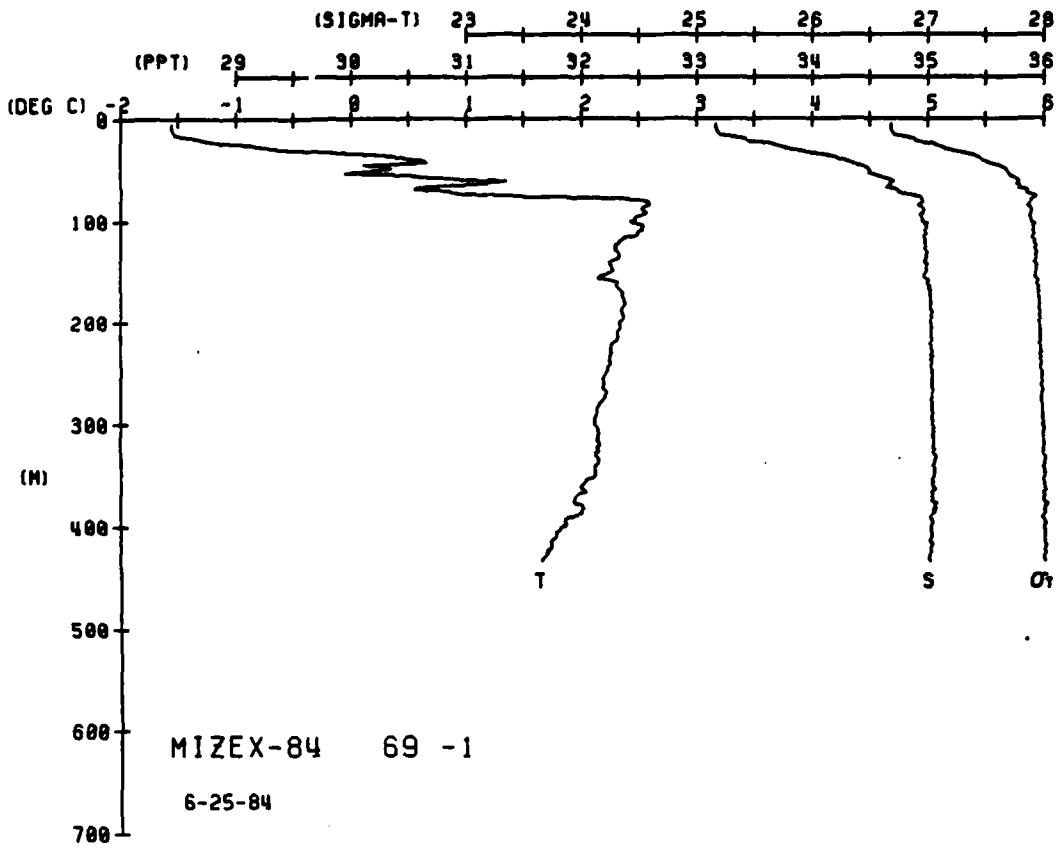
NL



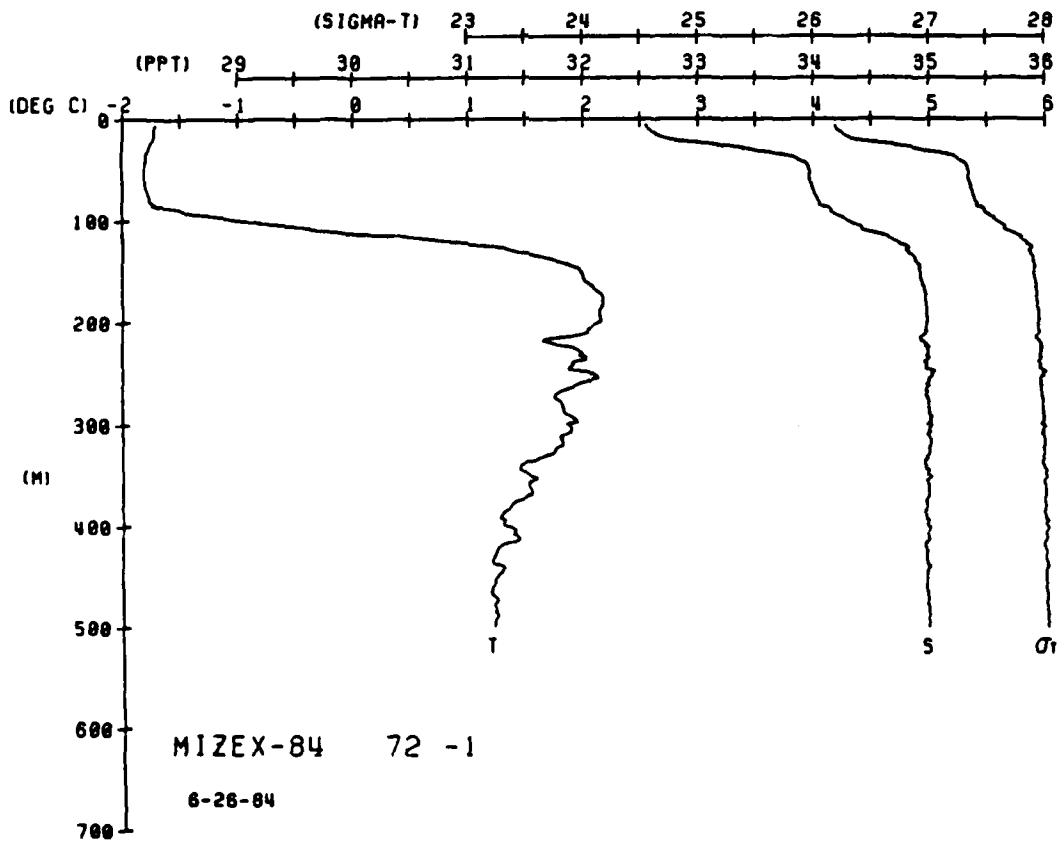
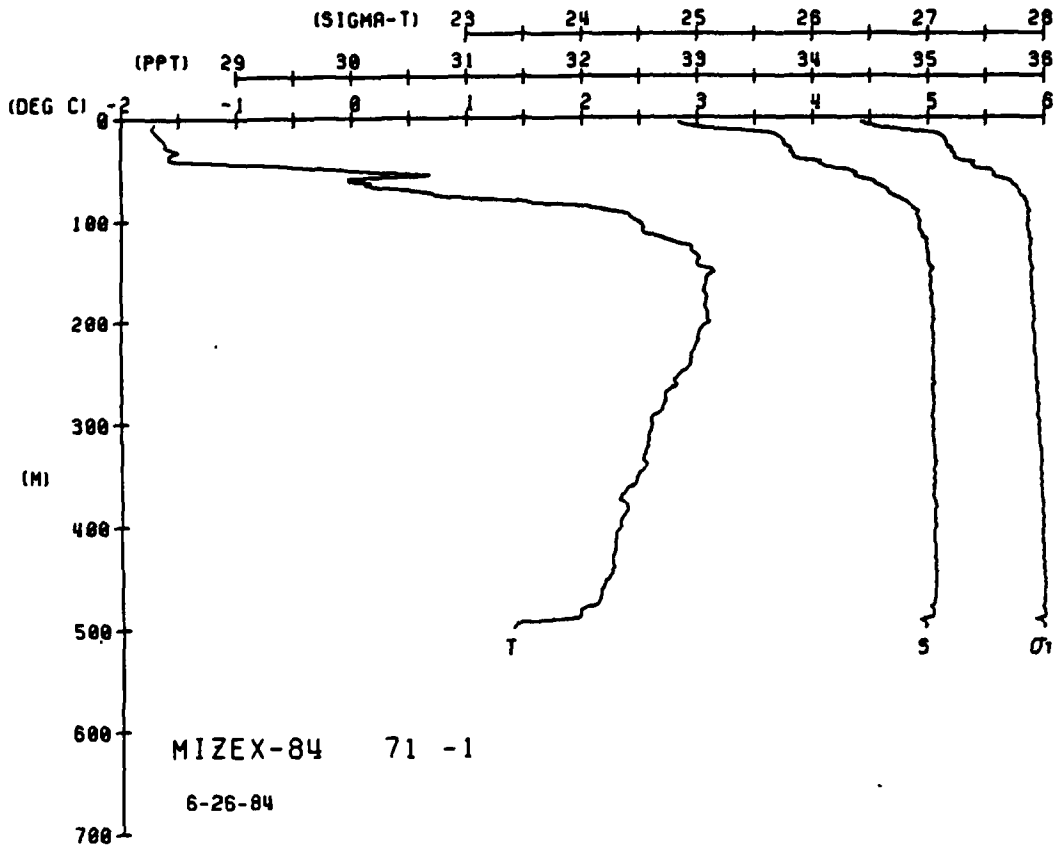


NATIONAL BUREAU OF STANDARDS  
MICROCOPY RESOLUTION TEST CHART



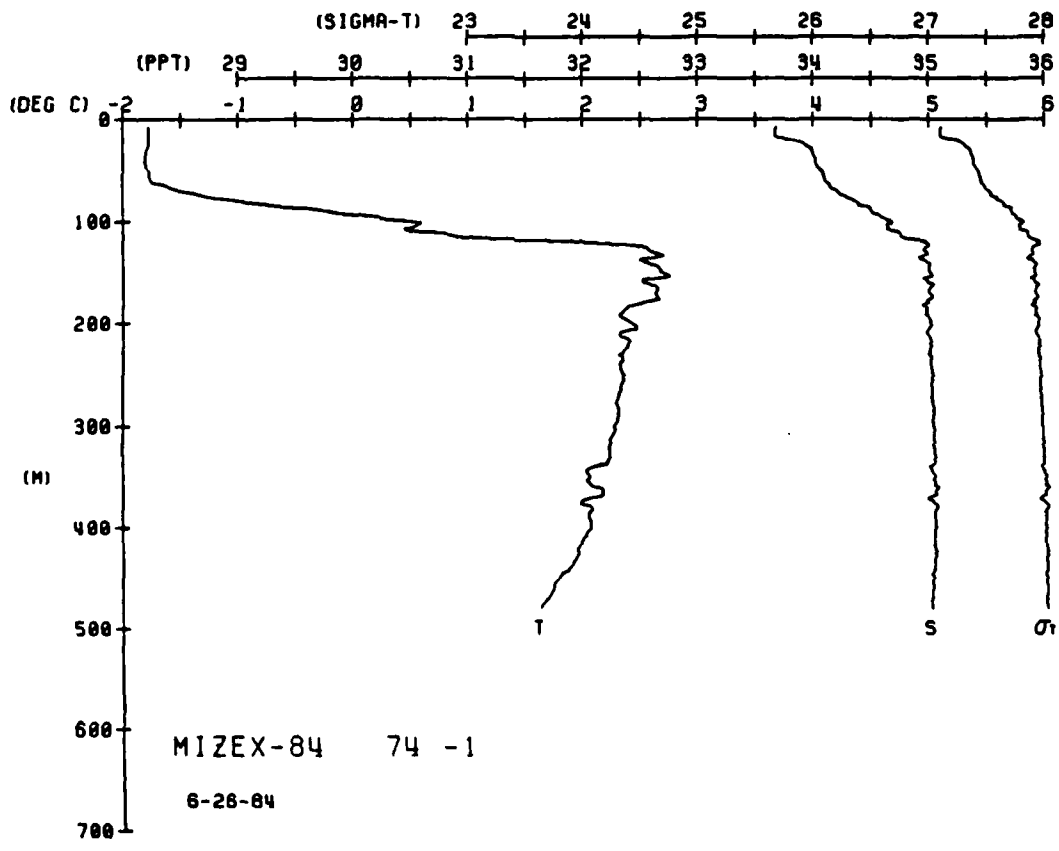
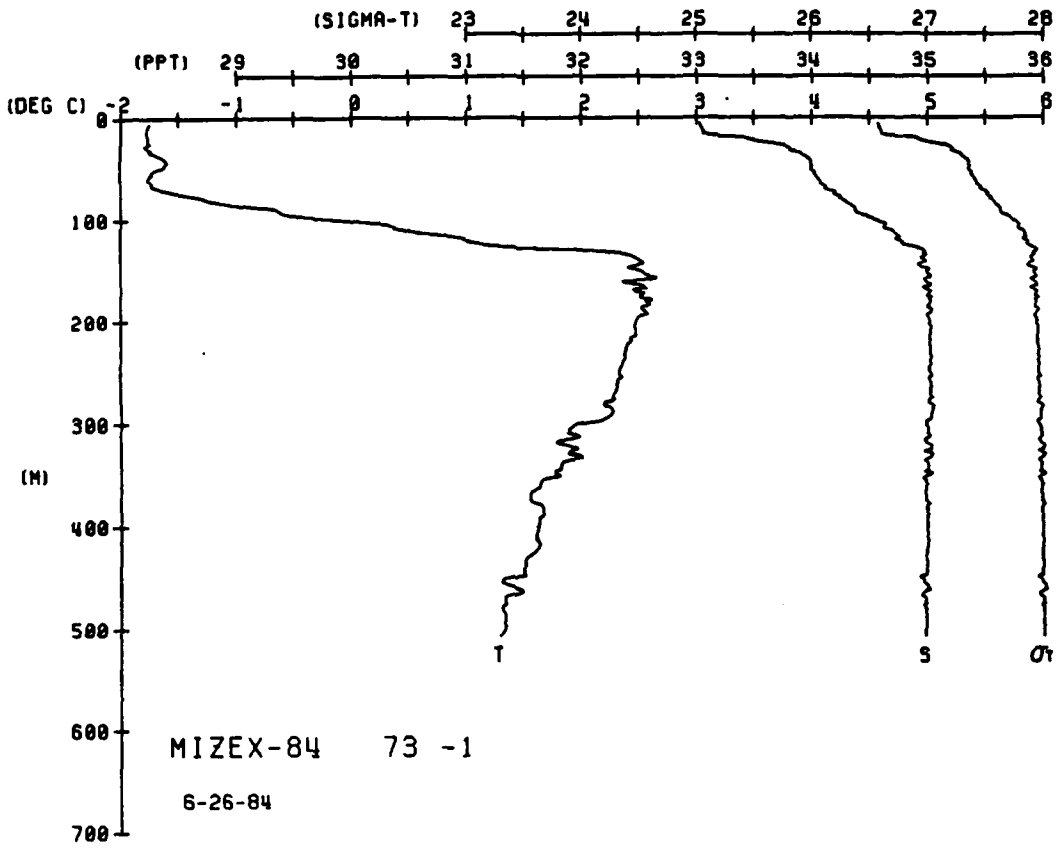




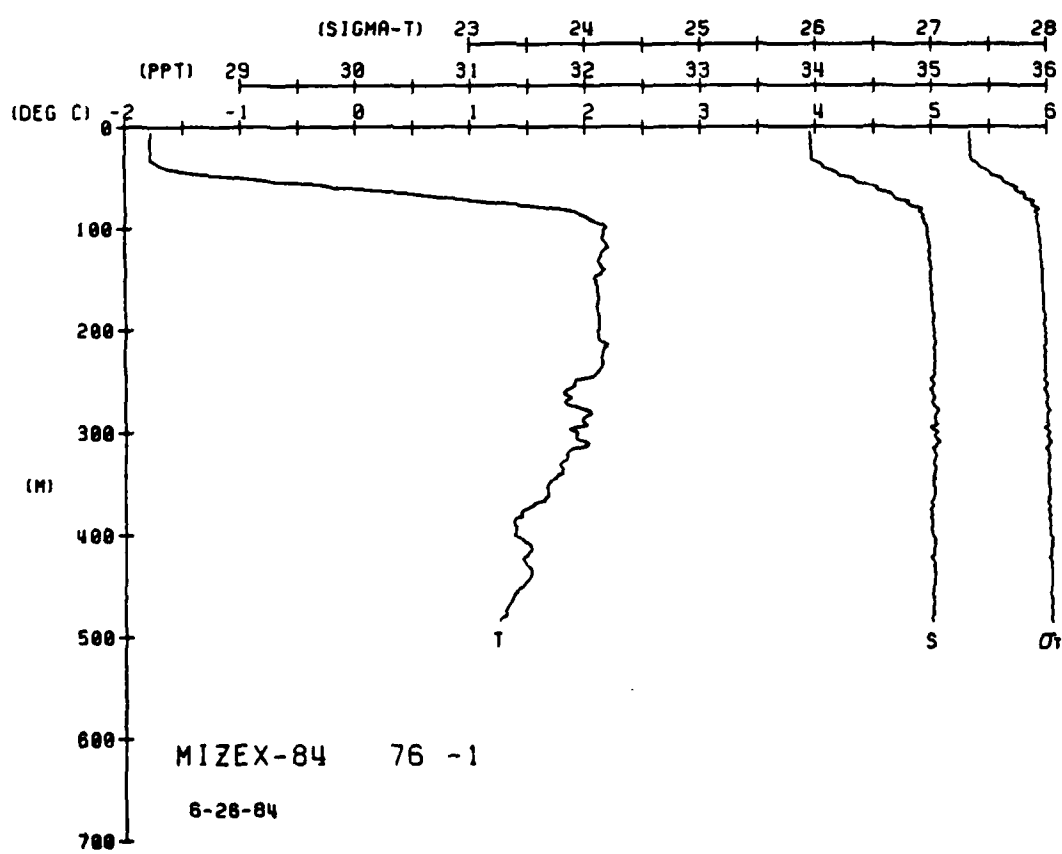
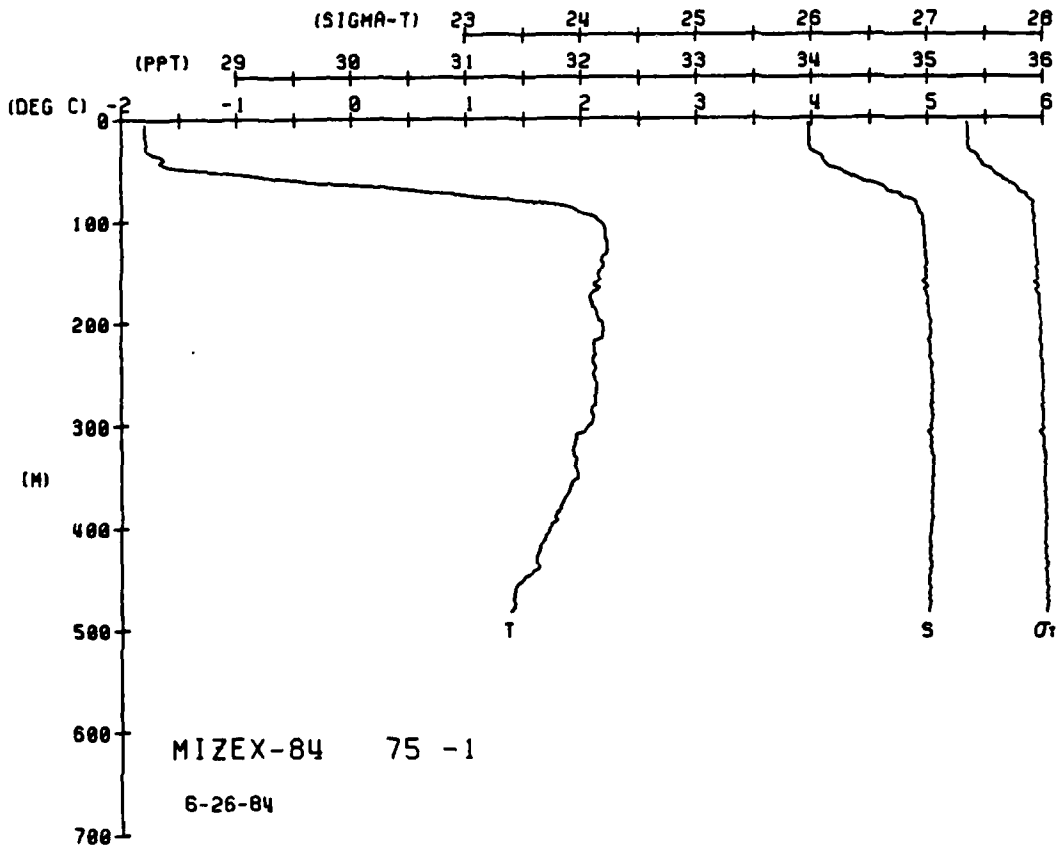










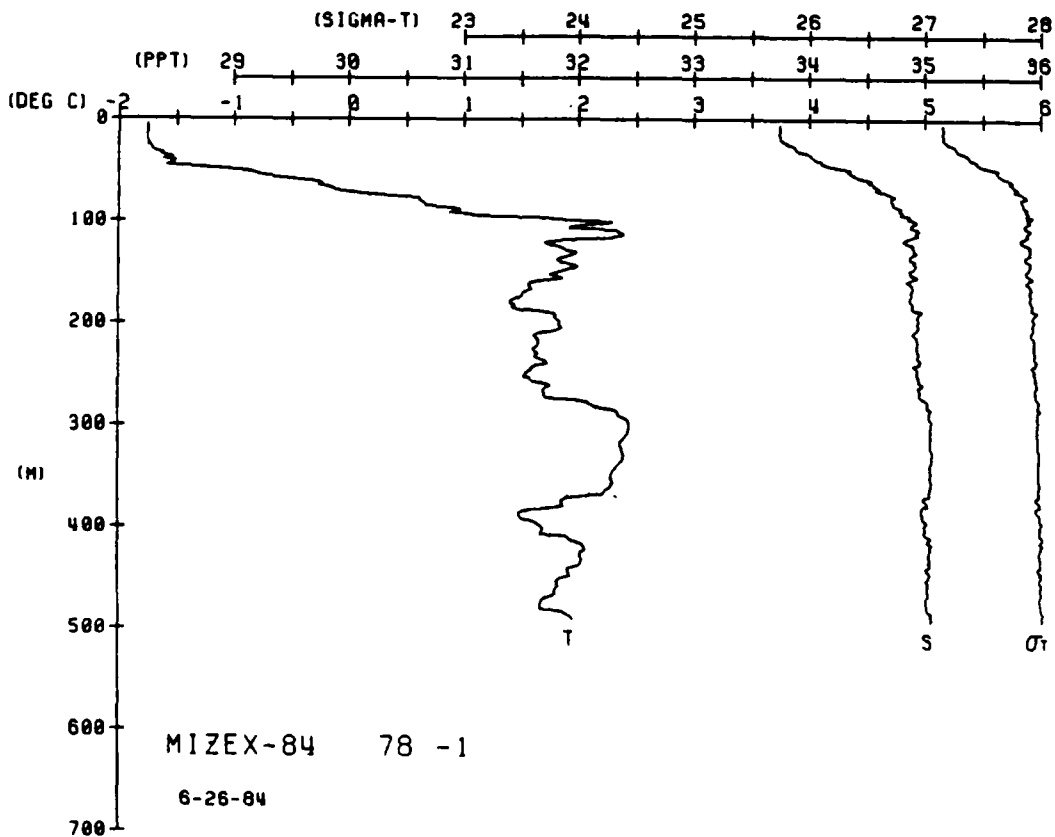
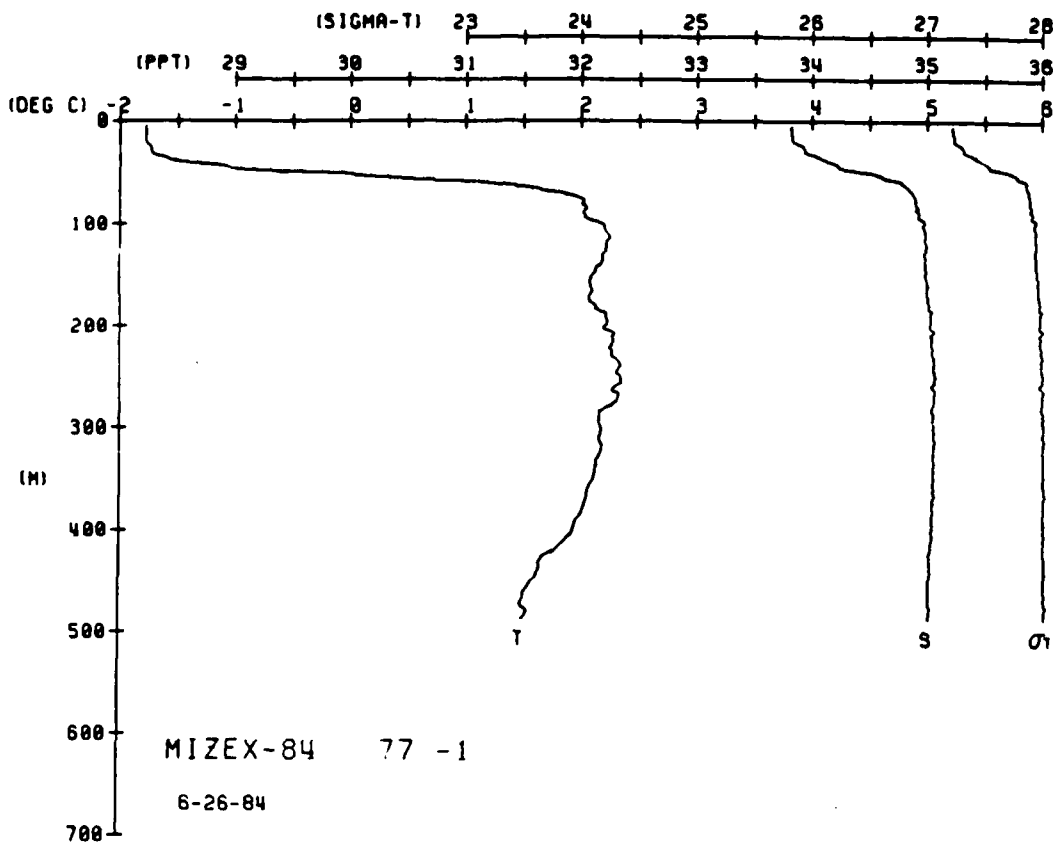


MIXEX-84 STATION 77(1) CID 26/JUN/1984 1704 GMT CODE = 1  
LAT = 80.9500N LNC = 2.5000E LTER = 400. LGER = 400.  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

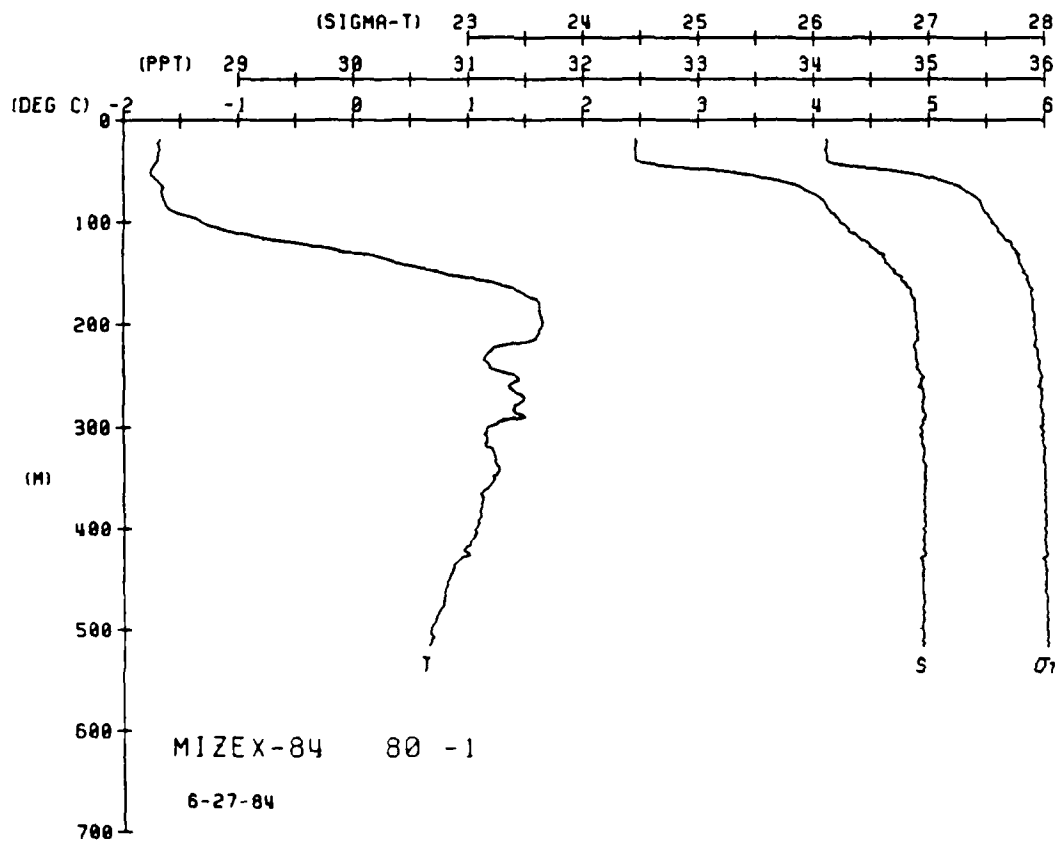
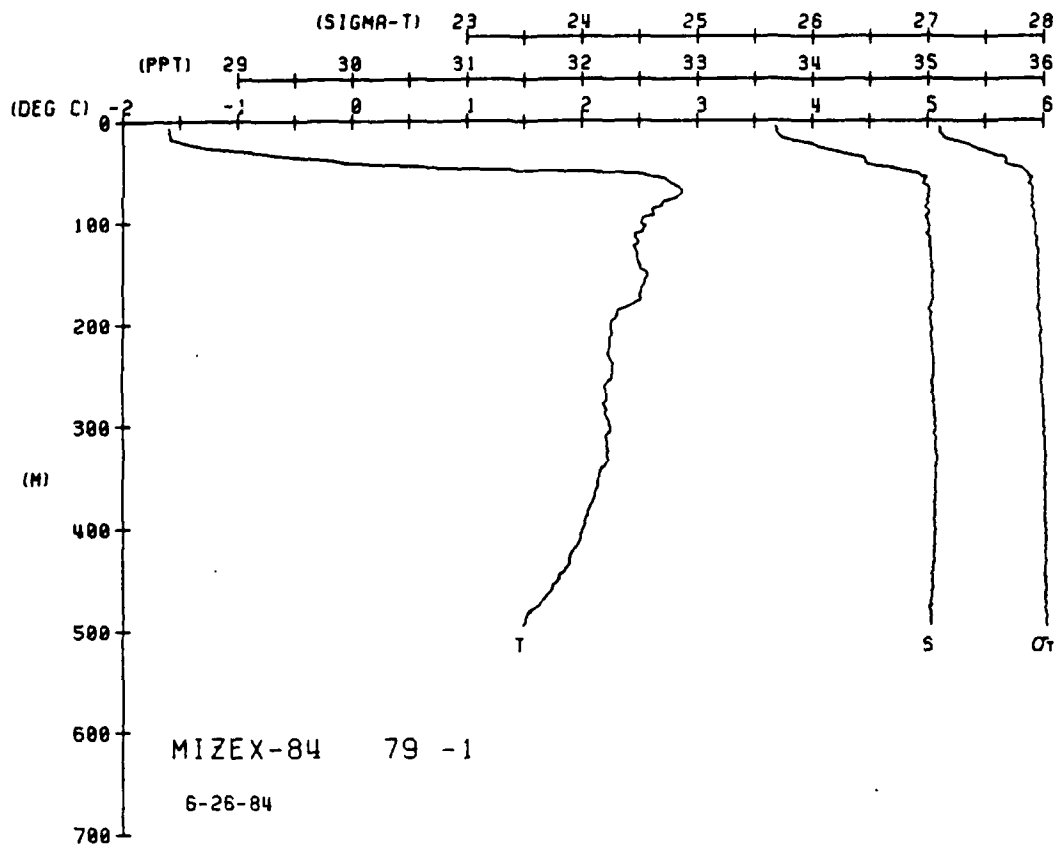
MIXEX-84 STATION 78(1) CID 26/JUN/1984 1758 GMT LUTE = 1  
LAT = 80.9167N LNC = 1.6667E LTER = 150. LGER = 150.  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHHT	SOUND
0	11.1	11.1	33.0	1.020	0.000	0.000	0.000
1	11.1	11.1	33.0	1.020	0.000	0.000	0.000
2	11.1	11.1	33.0	1.020	0.000	0.000	0.000
3	11.1	11.1	33.0	1.020	0.000	0.000	0.000
4	11.1	11.1	33.0	1.020	0.000	0.000	0.000
5	11.1	11.1	33.0	1.020	0.000	0.000	0.000
6	11.1	11.1	33.0	1.020	0.000	0.000	0.000
7	11.1	11.1	33.0	1.020	0.000	0.000	0.000
8	11.1	11.1	33.0	1.020	0.000	0.000	0.000
9	11.1	11.1	33.0	1.020	0.000	0.000	0.000
10	11.1	11.1	33.0	1.020	0.000	0.000	0.000
11	11.1	11.1	33.0	1.020	0.000	0.000	0.000
12	11.1	11.1	33.0	1.020	0.000	0.000	0.000
13	11.1	11.1	33.0	1.020	0.000	0.000	0.000
14	11.1	11.1	33.0	1.020	0.000	0.000	0.000
15	11.1	11.1	33.0	1.020	0.000	0.000	0.000
16	11.1	11.1	33.0	1.020	0.000	0.000	0.000
17	11.1	11.1	33.0	1.020	0.000	0.000	0.000
18	11.1	11.1	33.0	1.020	0.000	0.000	0.000
19	11.1	11.1	33.0	1.020	0.000	0.000	0.000
20	11.1	11.1	33.0	1.020	0.000	0.000	0.000
21	11.1	11.1	33.0	1.020	0.000	0.000	0.000
22	11.1	11.1	33.0	1.020	0.000	0.000	0.000
23	11.1	11.1	33.0	1.020	0.000	0.000	0.000
24	11.1	11.1	33.0	1.020	0.000	0.000	0.000
25	11.1	11.1	33.0	1.020	0.000	0.000	0.000
26	11.1	11.1	33.0	1.020	0.000	0.000	0.000
27	11.1	11.1	33.0	1.020	0.000	0.000	0.000
28	11.1	11.1	33.0	1.020	0.000	0.000	0.000
29	11.1	11.1	33.0	1.020	0.000	0.000	0.000
30	11.1	11.1	33.0	1.020	0.000	0.000	0.000

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHHT	SOUND
0	11.1	11.1	33.0	1.020	0.000	0.000	0.000
1	11.1	11.1	33.0	1.020	0.000	0.000	0.000
2	11.1	11.1	33.0	1.020	0.000	0.000	0.000
3	11.1	11.1	33.0	1.020	0.000	0.000	0.000
4	11.1	11.1	33.0	1.020	0.000	0.000	0.000
5	11.1	11.1	33.0	1.020	0.000	0.000	0.000
6	11.1	11.1	33.0	1.020	0.000	0.000	0.000
7	11.1	11.1	33.0	1.020	0.000	0.000	0.000
8	11.1	11.1	33.0	1.020	0.000	0.000	0.000
9	11.1	11.1	33.0	1.020	0.000	0.000	0.000
10	11.1	11.1	33.0	1.020	0.000	0.000	0.000
11	11.1	11.1	33.0	1.020	0.000	0.000	0.000
12	11.1	11.1	33.0	1.020	0.000	0.000	0.000
13	11.1	11.1	33.0	1.020	0.000	0.000	0.000
14	11.1	11.1	33.0	1.020	0.000	0.000	0.000
15	11.1	11.1	33.0	1.020	0.000	0.000	0.000
16	11.1	11.1	33.0	1.020	0.000	0.000	0.000
17	11.1	11.1	33.0	1.020	0.000	0.000	0.000
18	11.1	11.1	33.0	1.020	0.000	0.000	0.000
19	11.1	11.1	33.0	1.020	0.000	0.000	0.000
20	11.1	11.1	33.0	1.020	0.000	0.000	0.000
21	11.1	11.1	33.0	1.020	0.000	0.000	0.000
22	11.1	11.1	33.0	1.020	0.000	0.000	0.000
23	11.1	11.1	33.0	1.020	0.000	0.000	0.000
24	11.1	11.1	33.0	1.020	0.000	0.000	0.000
25	11.1	11.1	33.0	1.020	0.000	0.000	0.000
26	11.1	11.1	33.0	1.020	0.000	0.000	0.000
27	11.1	11.1	33.0	1.020	0.000	0.000	0.000
28	11.1	11.1	33.0	1.020	0.000	0.000	0.000
29	11.1	11.1	33.0	1.020	0.000	0.000	0.000
30	11.1	11.1	33.0	1.020	0.000	0.000	0.000

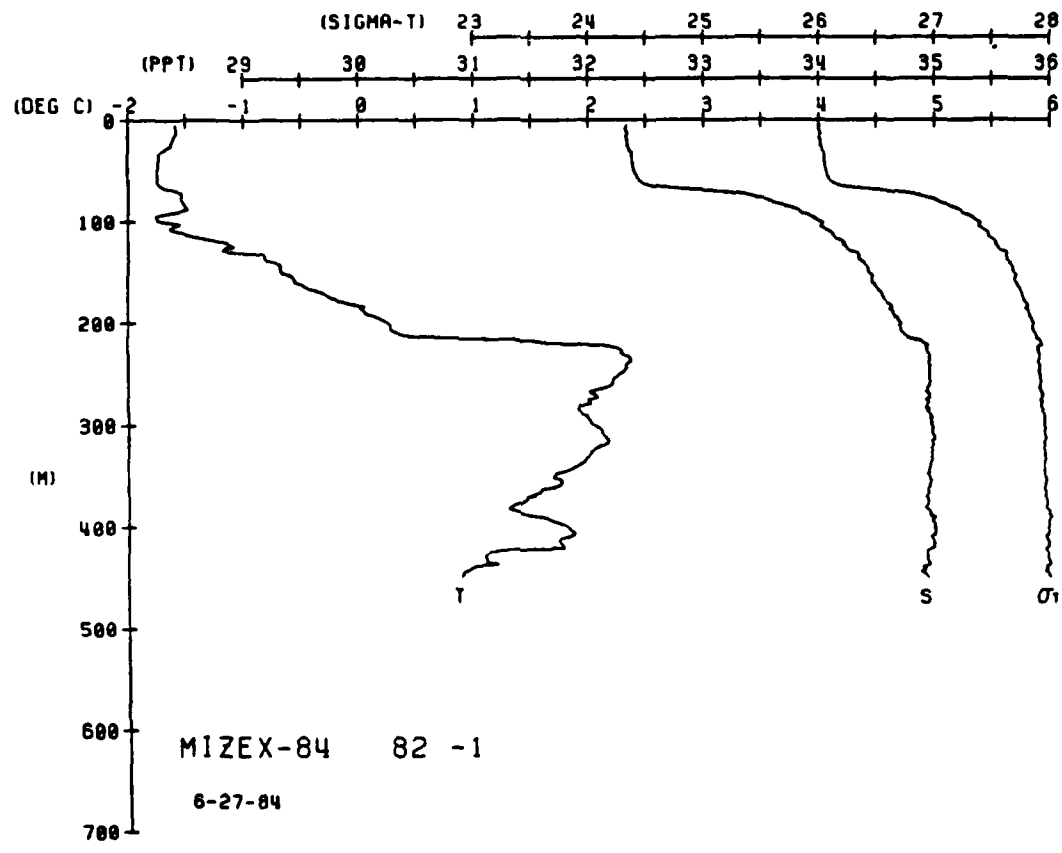
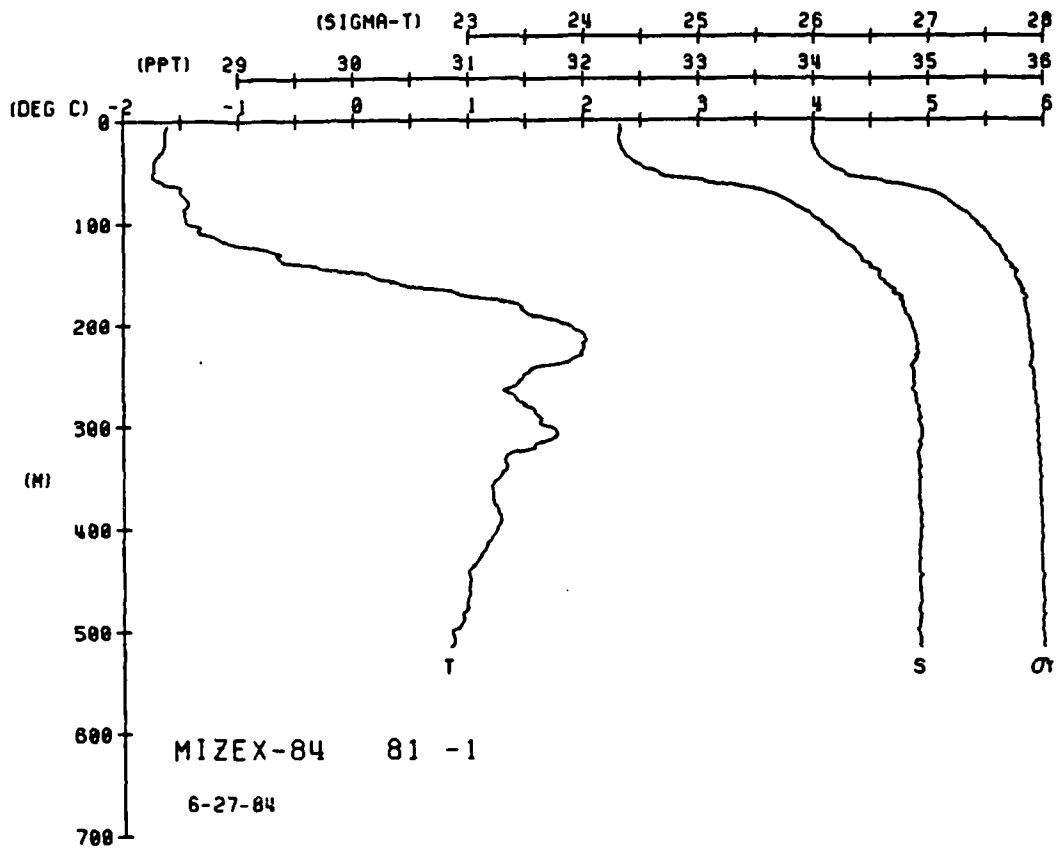










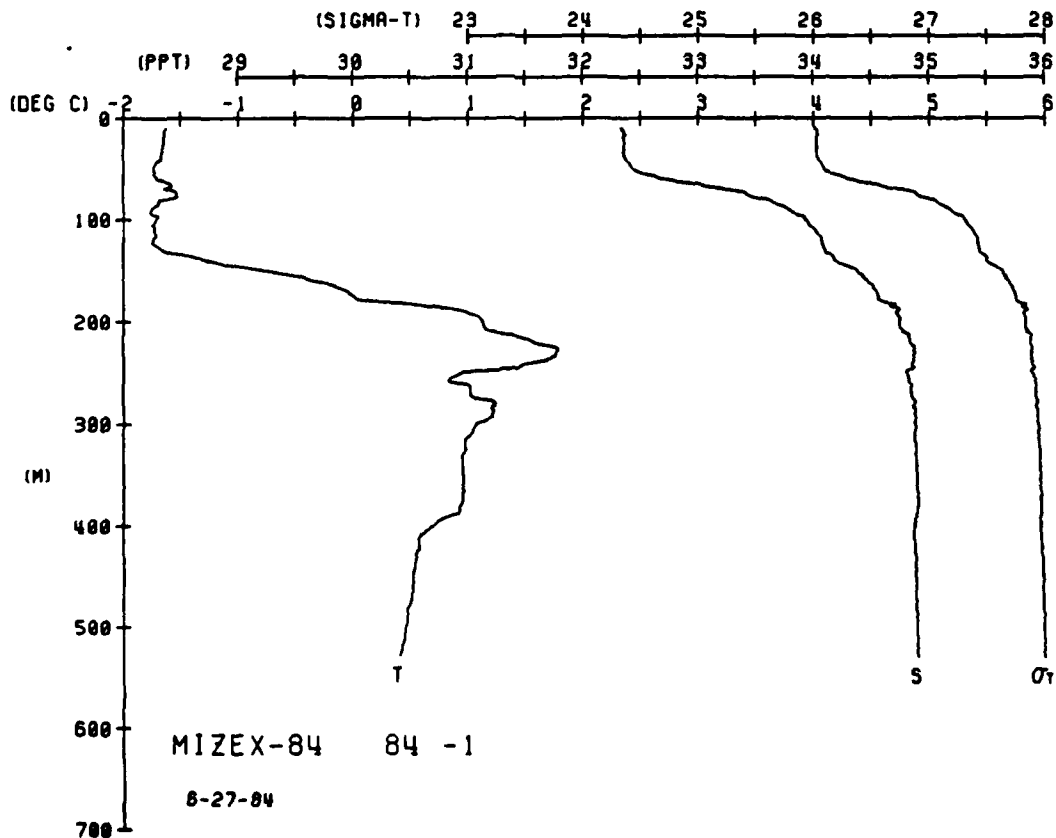
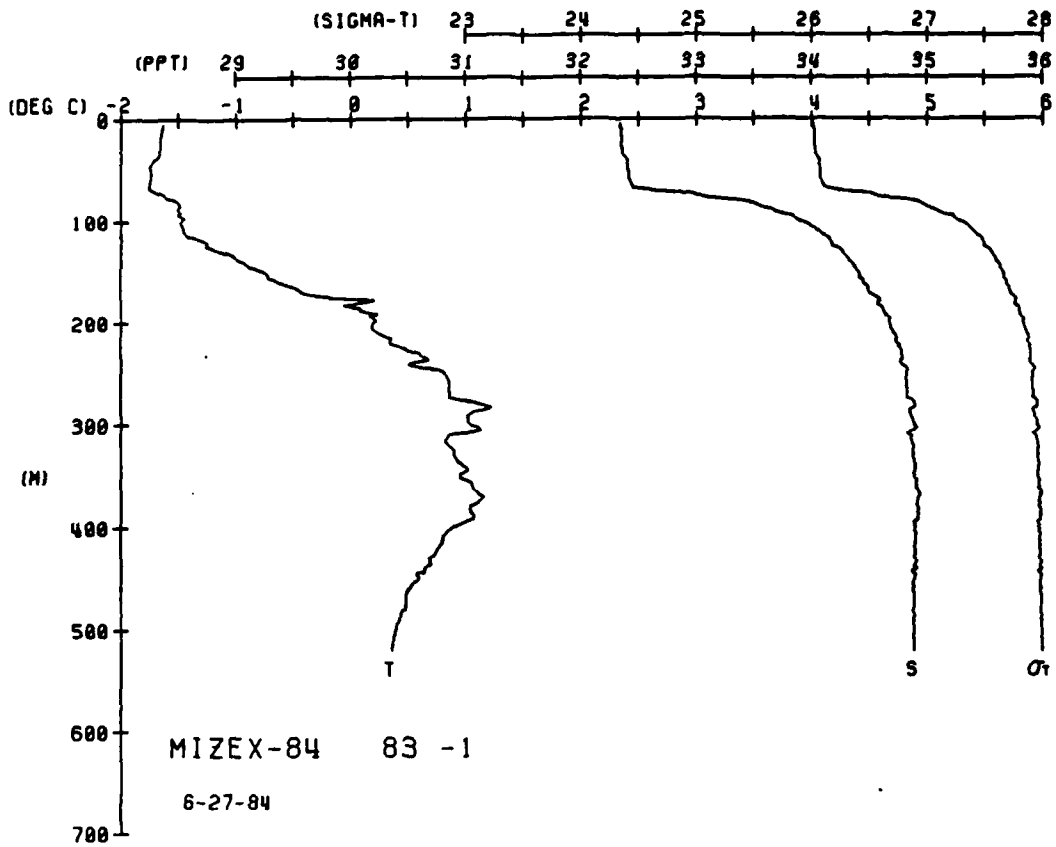


WIZEX-84 STATION 84(1) CTD 27/JUN/1984 1237 GMT CODE = 1  
LAT = 80.5800N LNG = 4.5033E LTER = 300 LGER = 300  
AIR TEMP = 0.0 WIND = 0.0 BAROM = 0.0 SPEED = 0.0

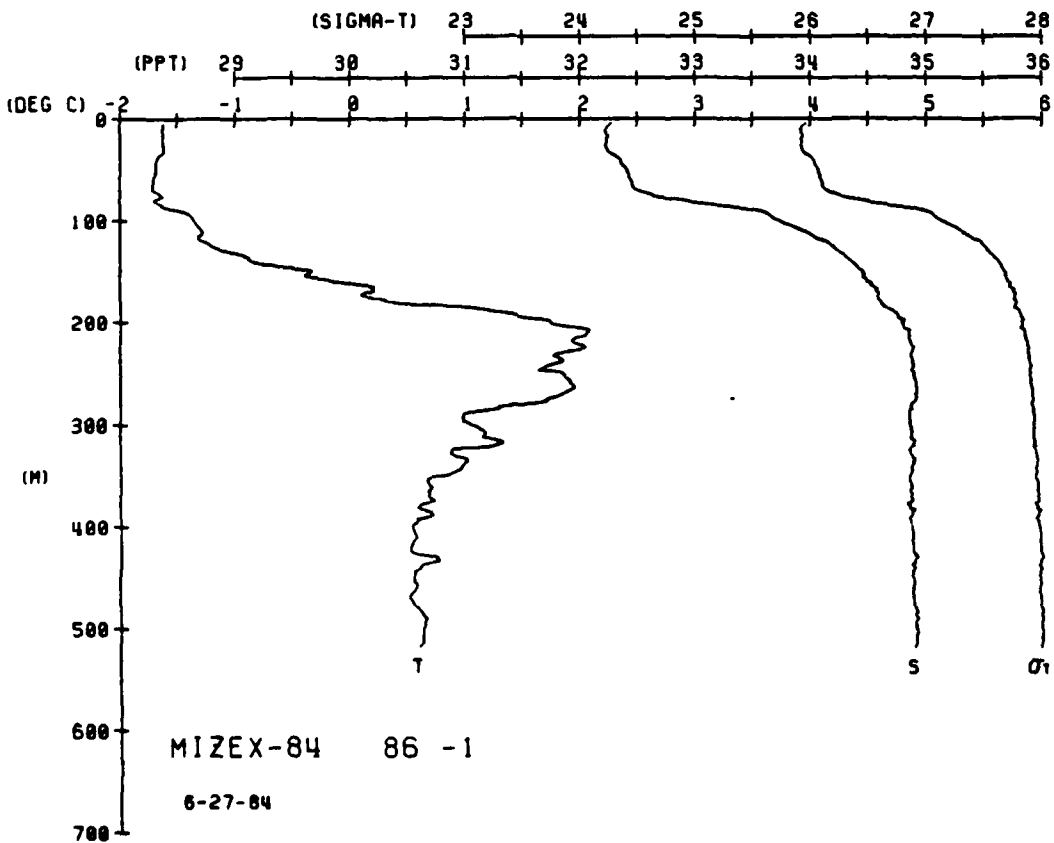
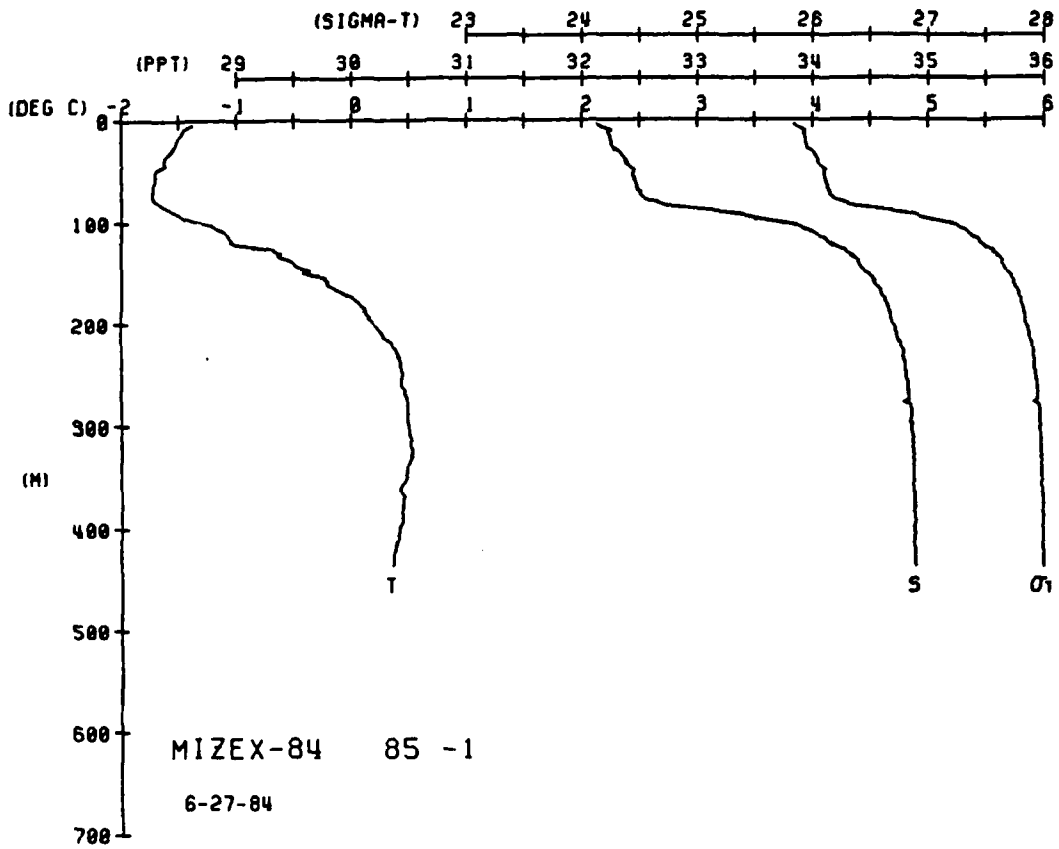
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0	6.00	6.00	34.40	0.00	10.00	0.00	0.00
5	6.00	6.00	34.40	0.00	10.00	0.00	0.00
10	6.00	6.00	34.40	0.00	10.00	0.00	0.00
15	6.00	6.00	34.40	0.00	10.00	0.00	0.00
20	6.00	6.00	34.40	0.00	10.00	0.00	0.00
25	6.00	6.00	34.40	0.00	10.00	0.00	0.00
30	6.00	6.00	34.40	0.00	10.00	0.00	0.00
35	6.00	6.00	34.40	0.00	10.00	0.00	0.00
40	6.00	6.00	34.40	0.00	10.00	0.00	0.00
45	6.00	6.00	34.40	0.00	10.00	0.00	0.00
50	6.00	6.00	34.40	0.00	10.00	0.00	0.00
55	6.00	6.00	34.40	0.00	10.00	0.00	0.00
60	6.00	6.00	34.40	0.00	10.00	0.00	0.00
65	6.00	6.00	34.40	0.00	10.00	0.00	0.00
70	6.00	6.00	34.40	0.00	10.00	0.00	0.00
75	6.00	6.00	34.40	0.00	10.00	0.00	0.00
80	6.00	6.00	34.40	0.00	10.00	0.00	0.00
85	6.00	6.00	34.40	0.00	10.00	0.00	0.00
90	6.00	6.00	34.40	0.00	10.00	0.00	0.00
95	6.00	6.00	34.40	0.00	10.00	0.00	0.00
100	6.00	6.00	34.40	0.00	10.00	0.00	0.00

WIZEX-86 STATION 86(1) CTD 27/JUN/1984 1145 GMT CODE = 1  
LAT = 80.5800N LNG = 4.5033E LTER = 300 LGER = 300  
AIR TEMP = 0.0 WIND = 0.0 BAROM = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0	6.00	6.00	34.40	0.00	10.00	0.00	0.00
5	6.00	6.00	34.40	0.00	10.00	0.00	0.00
10	6.00	6.00	34.40	0.00	10.00	0.00	0.00
15	6.00	6.00	34.40	0.00	10.00	0.00	0.00
20	6.00	6.00	34.40	0.00	10.00	0.00	0.00
25	6.00	6.00	34.40	0.00	10.00	0.00	0.00
30	6.00	6.00	34.40	0.00	10.00	0.00	0.00
35	6.00	6.00	34.40	0.00	10.00	0.00	0.00
40	6.00	6.00	34.40	0.00	10.00	0.00	0.00
45	6.00	6.00	34.40	0.00	10.00	0.00	0.00
50	6.00	6.00	34.40	0.00	10.00	0.00	0.00
55	6.00	6.00	34.40	0.00	10.00	0.00	0.00
60	6.00	6.00	34.40	0.00	10.00	0.00	0.00
65	6.00	6.00	34.40	0.00	10.00	0.00	0.00
70	6.00	6.00	34.40	0.00	10.00	0.00	0.00
75	6.00	6.00	34.40	0.00	10.00	0.00	0.00
80	6.00	6.00	34.40	0.00	10.00	0.00	0.00
85	6.00	6.00	34.40	0.00	10.00	0.00	0.00
90	6.00	6.00	34.40	0.00	10.00	0.00	0.00
95	6.00	6.00	34.40	0.00	10.00	0.00	0.00
100	6.00	6.00	34.40	0.00	10.00	0.00	0.00





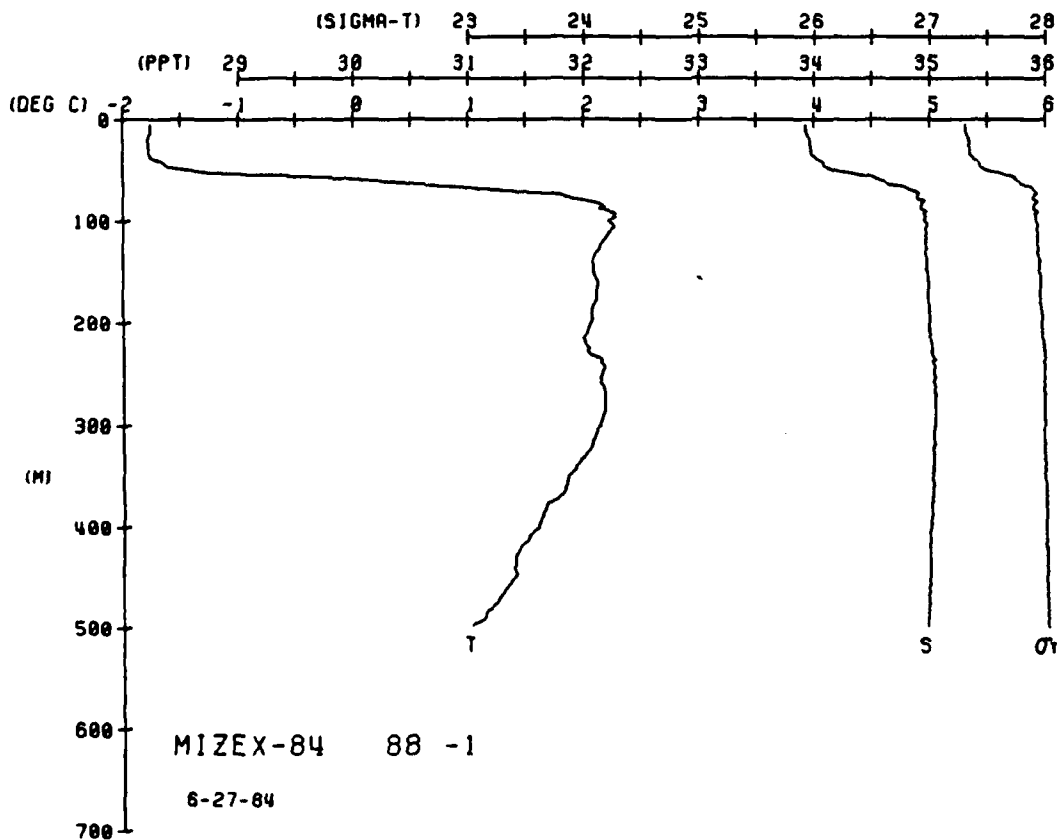
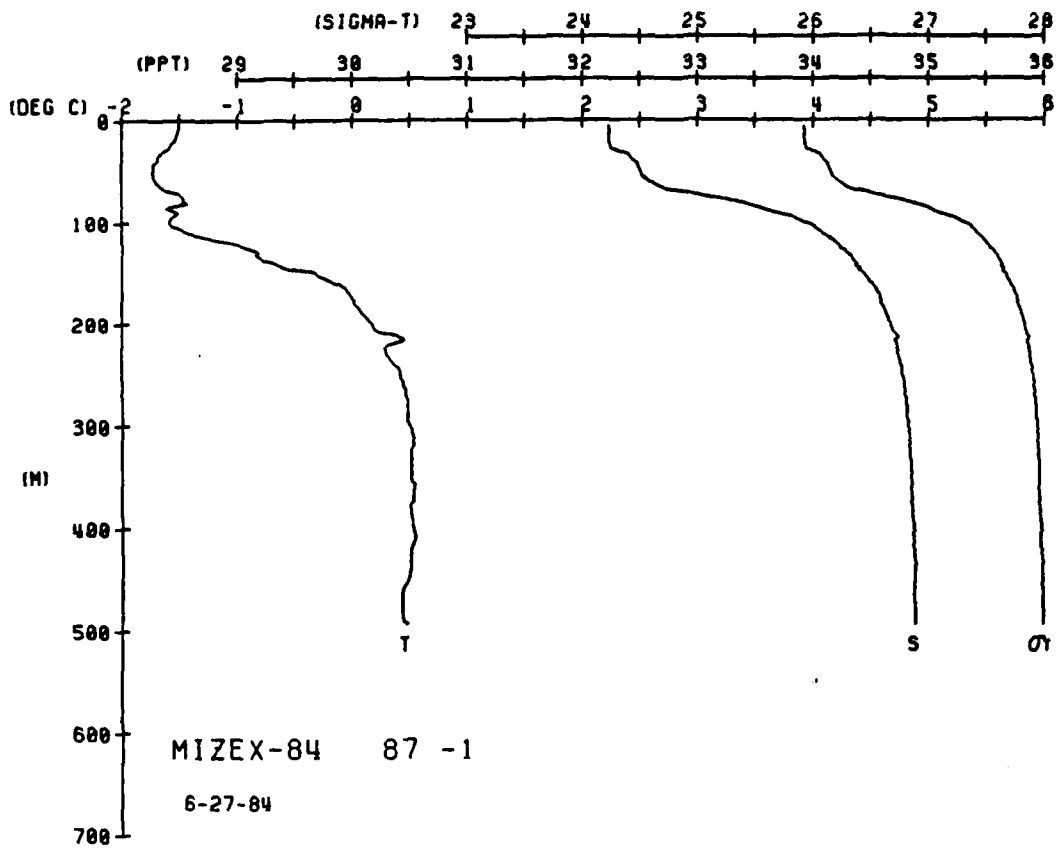


MIZEX-84 STATION 87(1) CID 27/JUN/1984 1531 GMT CODE = 1  
LAT = 89.0850 LNC = 3.4333 LTER = 300 UCLR = 300  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
00	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00
105	00	00	00	00	00	00	00
110	00	00	00	00	00	00	00
115	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00
125	00	00	00	00	00	00	00
130	00	00	00	00	00	00	00
135	00	00	00	00	00	00	00
140	00	00	00	00	00	00	00
145	00	00	00	00	00	00	00
150	00	00	00	00	00	00	00
155	00	00	00	00	00	00	00
160	00	00	00	00	00	00	00
165	00	00	00	00	00	00	00
170	00	00	00	00	00	00	00
175	00	00	00	00	00	00	00
180	00	00	00	00	00	00	00
185	00	00	00	00	00	00	00
190	00	00	00	00	00	00	00
195	00	00	00	00	00	00	00
200	00	00	00	00	00	00	00
205	00	00	00	00	00	00	00
210	00	00	00	00	00	00	00
215	00	00	00	00	00	00	00
220	00	00	00	00	00	00	00
225	00	00	00	00	00	00	00
230	00	00	00	00	00	00	00
235	00	00	00	00	00	00	00
240	00	00	00	00	00	00	00
245	00	00	00	00	00	00	00
250	00	00	00	00	00	00	00
255	00	00	00	00	00	00	00
260	00	00	00	00	00	00	00
265	00	00	00	00	00	00	00
270	00	00	00	00	00	00	00
275	00	00	00	00	00	00	00
280	00	00	00	00	00	00	00
285	00	00	00	00	00	00	00
290	00	00	00	00	00	00	00
295	00	00	00	00	00	00	00
300	00	00	00	00	00	00	00

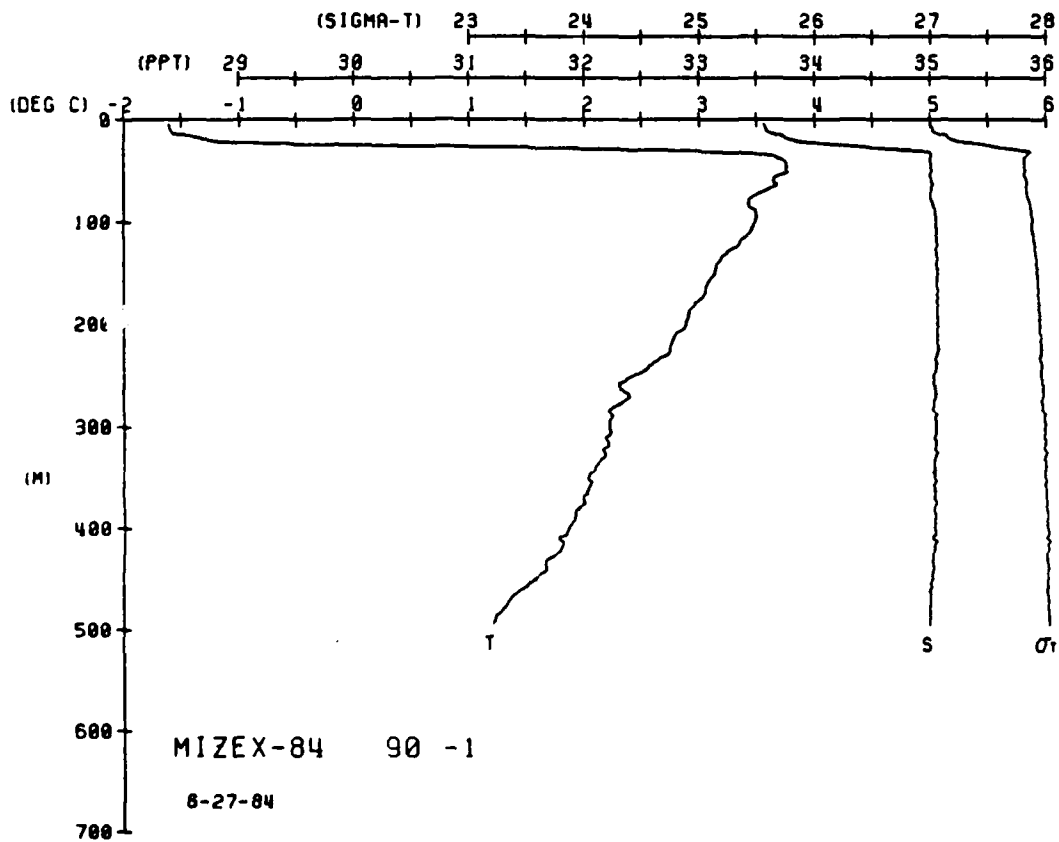
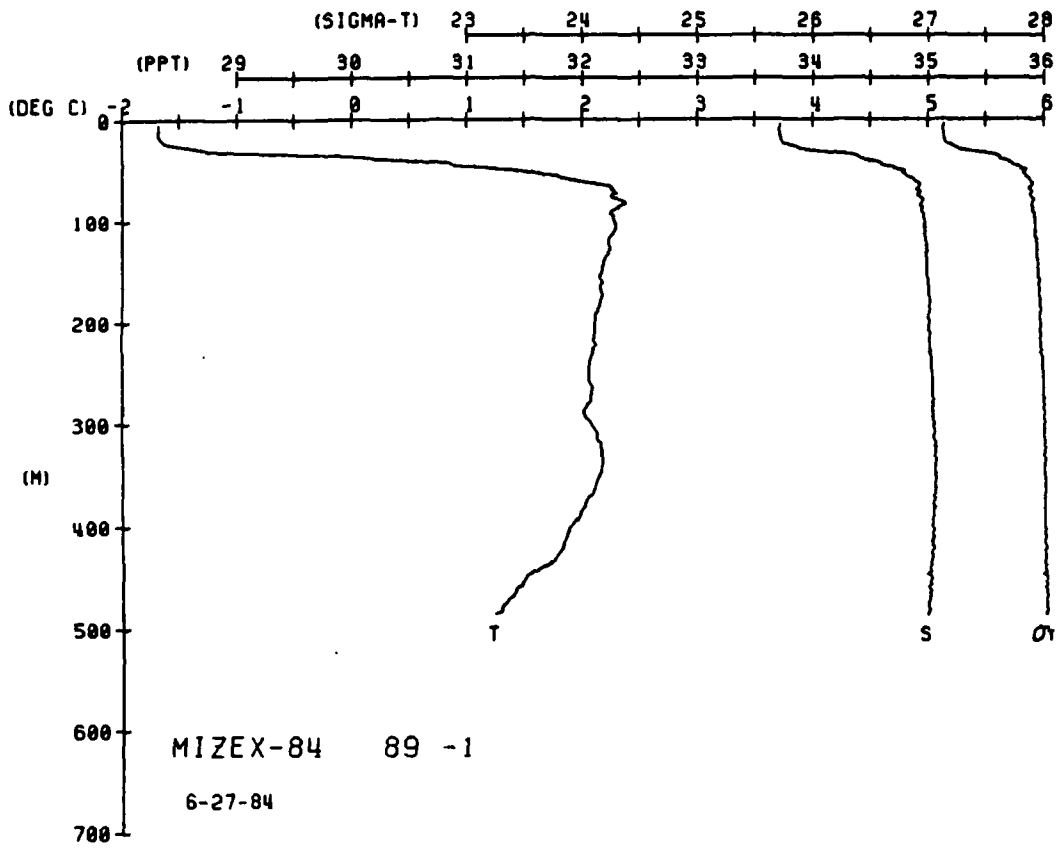
MIZEX-84 STATION 88(1) CID 27/JUN/1984 1540 GMT CODE = 1  
LAT = 81.0667 LNC = 3.8333 LTER = 150 UCLR = 150  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
00	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00
105	00	00	00	00	00	00	00
110	00	00	00	00	00	00	00
115	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00
125	00	00	00	00	00	00	00
130	00	00	00	00	00	00	00
135	00	00	00	00	00	00	00
140	00	00	00	00	00	00	00
145	00	00	00	00	00	00	00
150	00	00	00	00	00	00	00
155	00	00	00	00	00	00	00
160	00	00	00	00	00	00	00
165	00	00	00	00	00	00	00
170	00	00	00	00	00	00	00
175	00	00	00	00	00	00	00
180	00	00	00	00	00	00	00
185	00	00	00	00	00	00	00
190	00	00	00	00	00	00	00
195	00	00	00	00	00	00	00
200	00	00	00	00	00	00	00
205	00	00	00	00	00	00	00
210	00	00	00	00	00	00	00
215	00	00	00	00	00	00	00
220	00	00	00	00	00	00	00
225	00	00	00	00	00	00	00
230	00	00	00	00	00	00	00
235	00	00	00	00	00	00	00
240	00	00	00	00	00	00	00
245	00	00	00	00	00	00	00
250	00	00	00	00	00	00	00
255	00	00	00	00	00	00	00
260	00	00	00	00	00	00	00
265	00	00	00	00	00	00	00
270	00	00	00	00	00	00	00
275	00	00	00	00	00	00	00
280	00	00	00	00	00	00	00
285	00	00	00	00	00	00	00
290	00	00	00	00	00	00	00
295	00	00	00	00	00	00	00
300	00	00	00	00	00	00	00







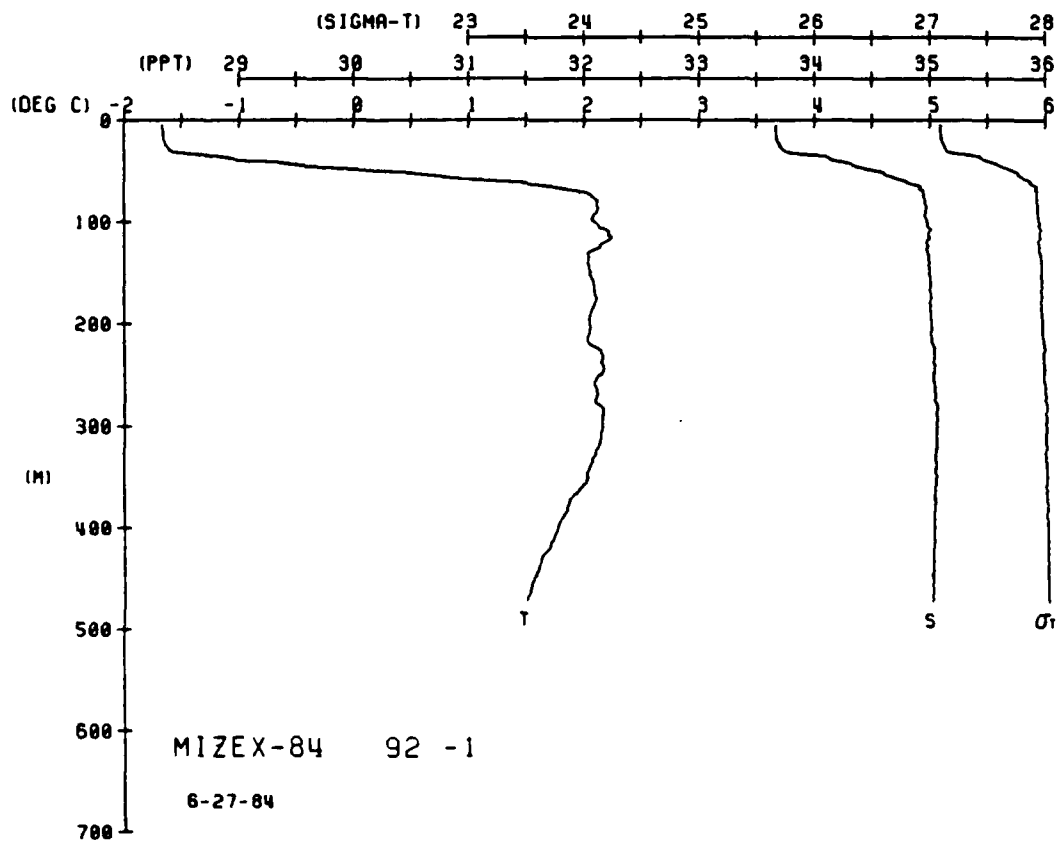
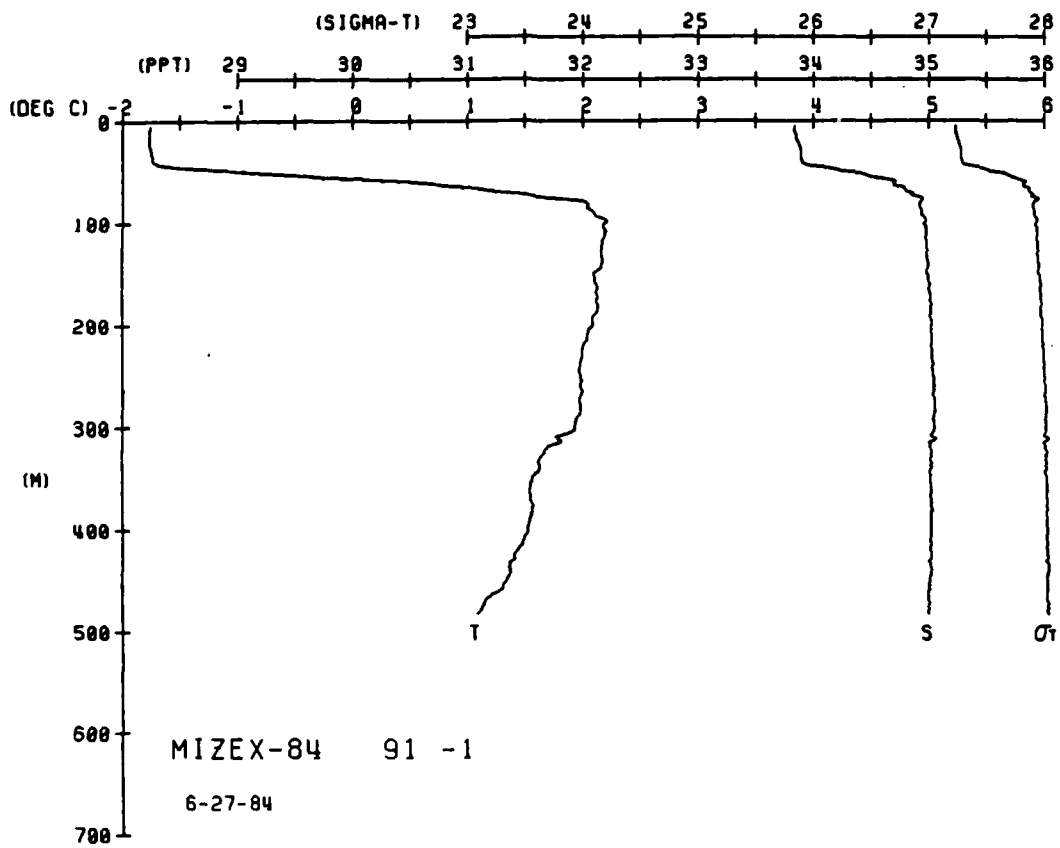


MIZEX-84 STATION 91(1) CTD 27/JUN/1984 1758 GMT CODE = 1  
LAT = 80.9000N LNG = 4.2833E UTER = 150. UGER = 150.  
AIR TEMP = 0.0 WIND = 0.0 WIND = 0.0 SPEED = 0.0

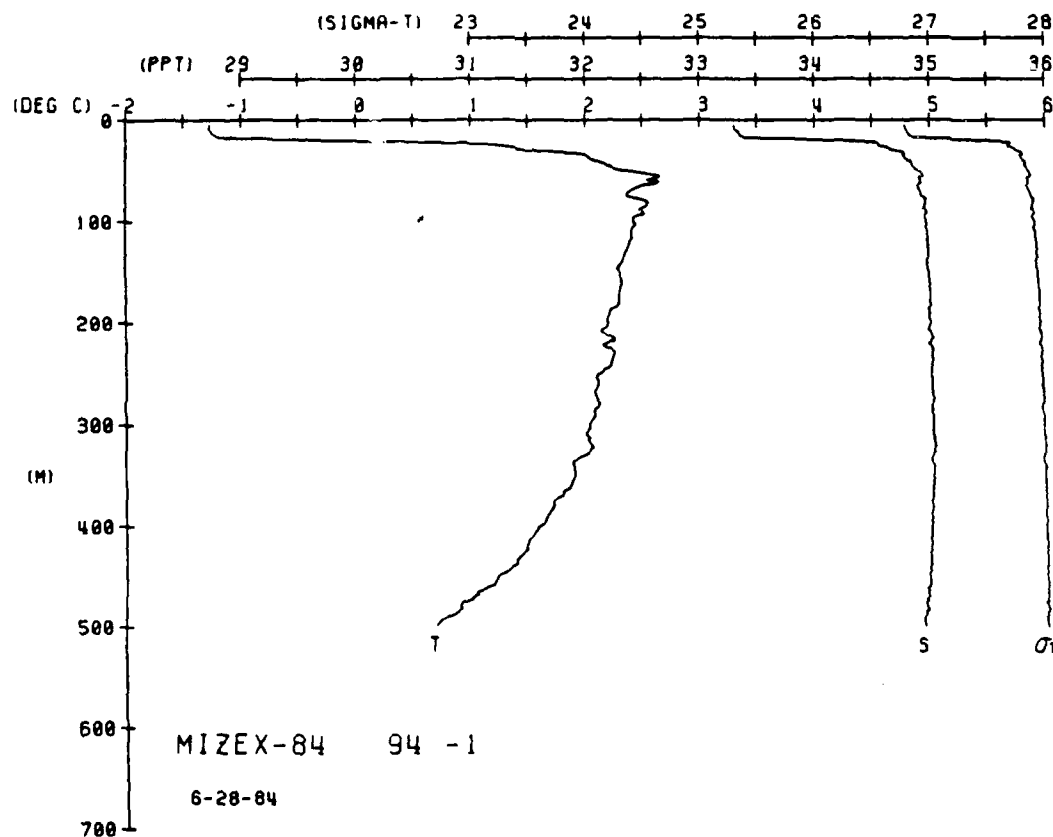
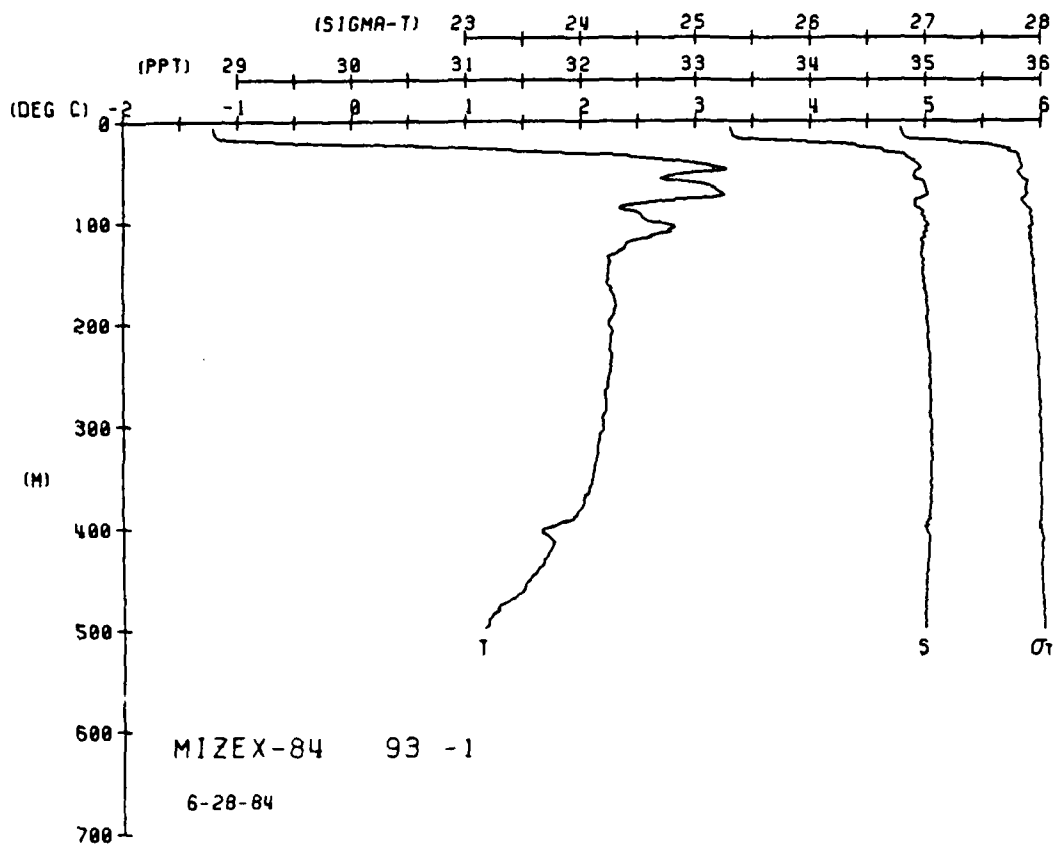
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
0	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
5	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
10	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
15	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
20	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
25	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
30	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
35	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
40	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
45	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
50	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
55	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
60	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
65	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
70	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
75	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
80	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
85	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
90	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
95	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
100	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
105	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
110	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
115	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
120	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
125	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
130	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
135	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
140	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
145	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
150	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
155	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
160	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
165	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
170	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
175	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
180	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
185	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
190	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
195	5.5	5.5	33.3	7.7	0.0	0.0	1440.0
200	5.5	5.5	33.3	7.7	0.0	0.0	1440.0

MIZEX-84 STATION 92(1) CTD 27/JUN/1984 1839 GMT CODE = 1  
LAT = 80.9000N LNG = 3.8333E UTER = 150. UGER = 150.  
AIR TEMP = 0.0 WIND = 0.0 WIND = 0.0 SPEED = 0.0

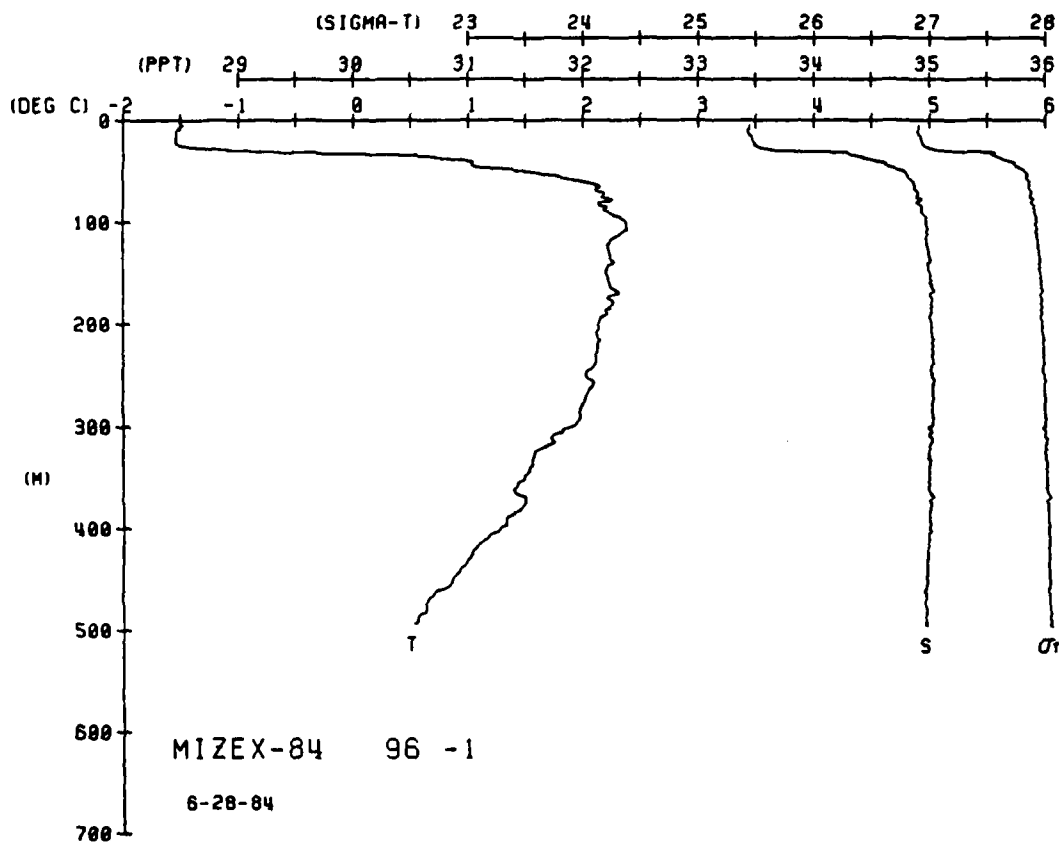
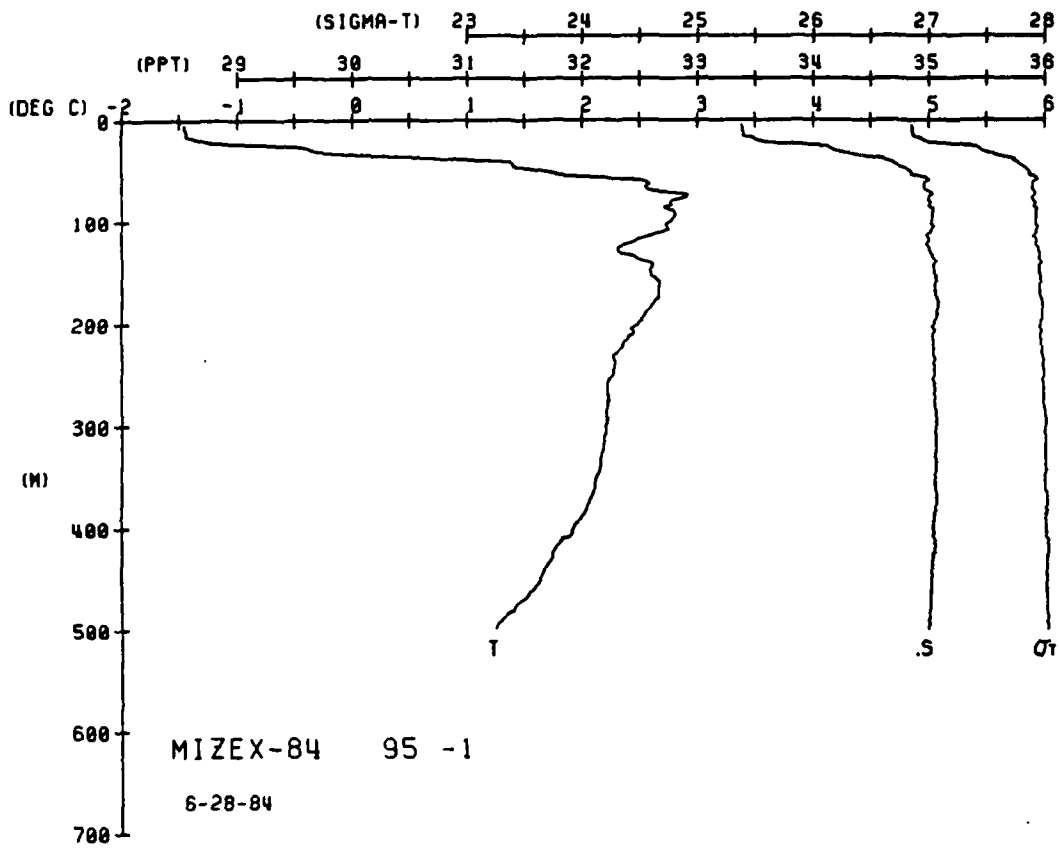
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
0	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
5	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
10	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
15	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
20	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
25	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
30	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
35	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
40	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
45	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
50	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
55	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
60	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
65	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
70	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
75	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
80	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
85	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
90	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
95	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
100	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
105	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
110	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
115	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
120	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
125	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
130	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
135	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
140	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
145	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
150	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
155	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
160	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
165	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
170	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
175	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
180	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
185	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
190	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
195	6.7	6.7	33.3	7.7	0.0	0.0	1440.0
200	6.7	6.7	33.3	7.7	0.0	0.0	1440.0





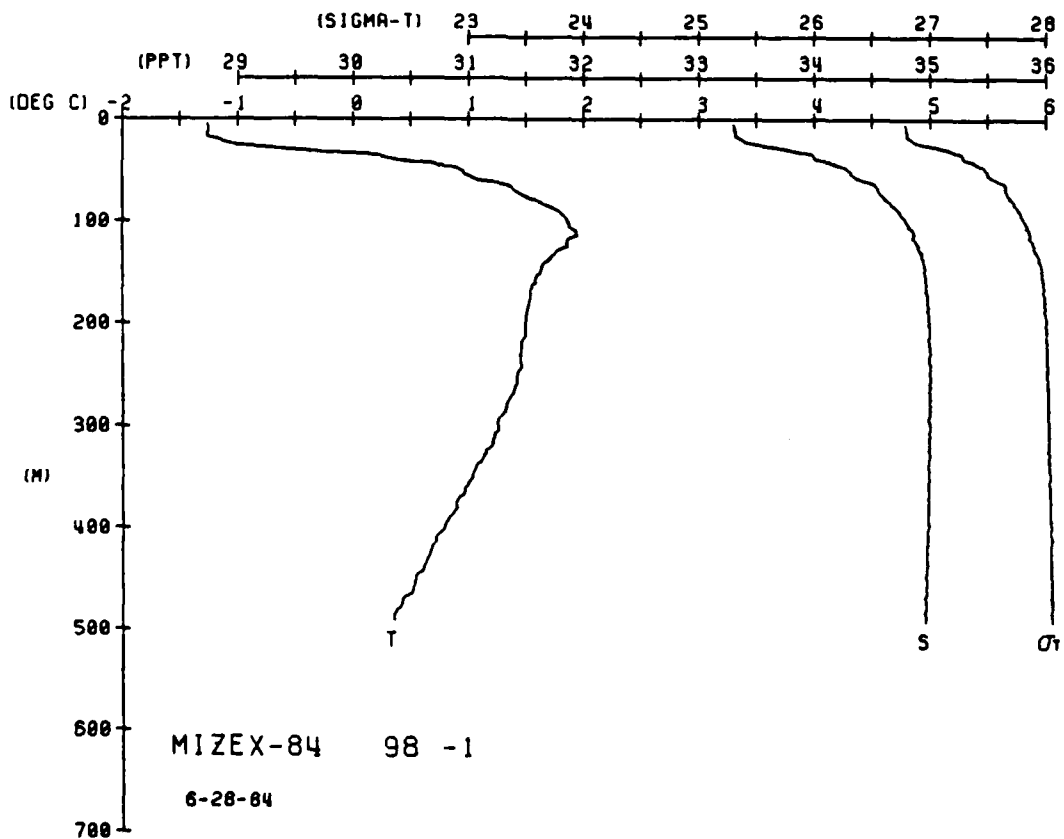
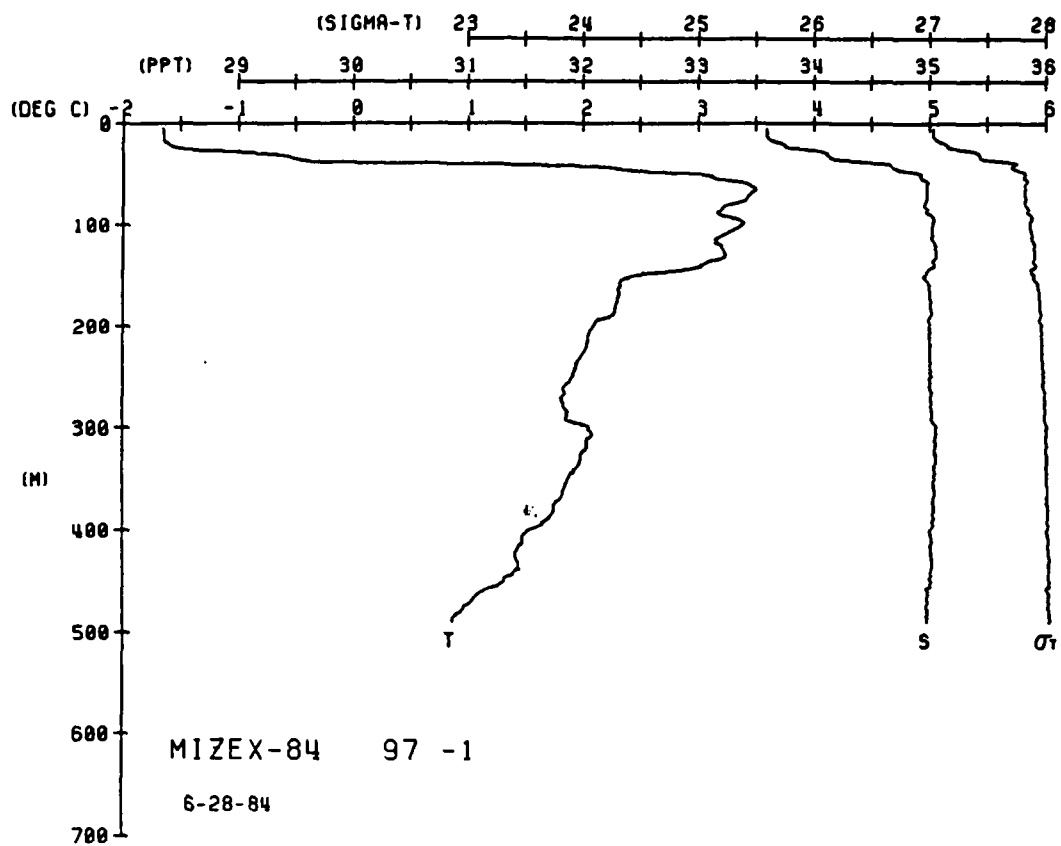




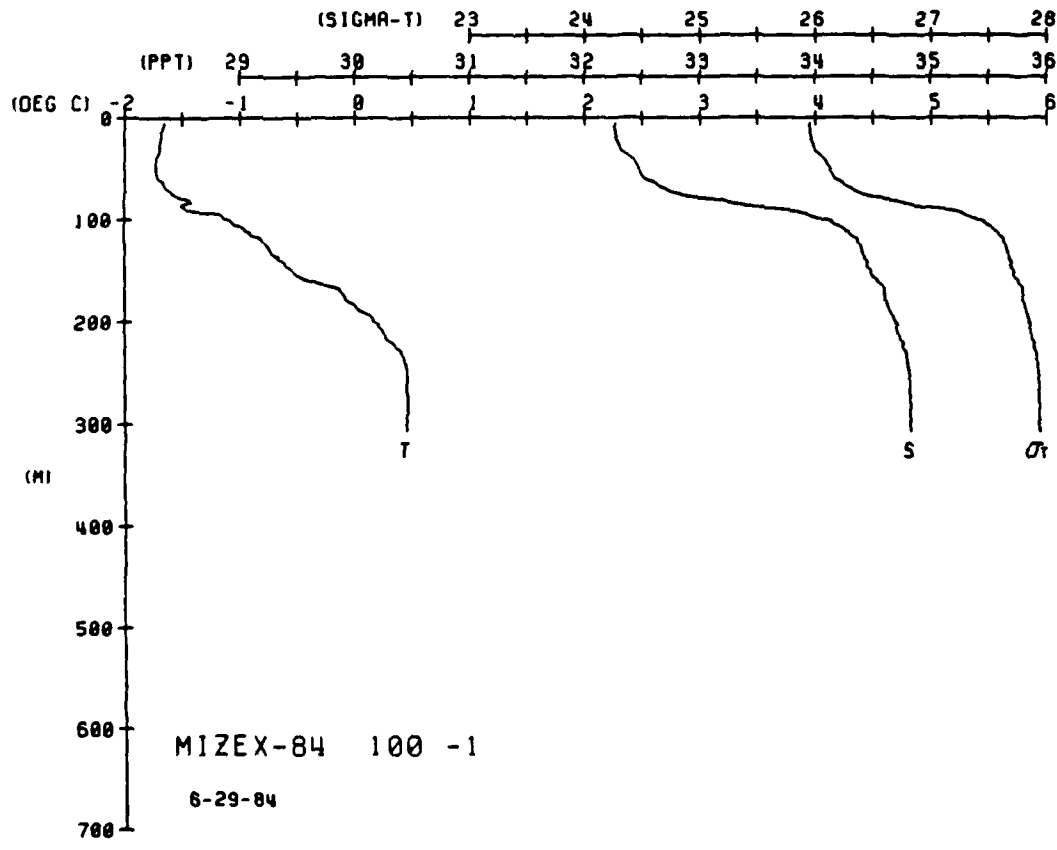
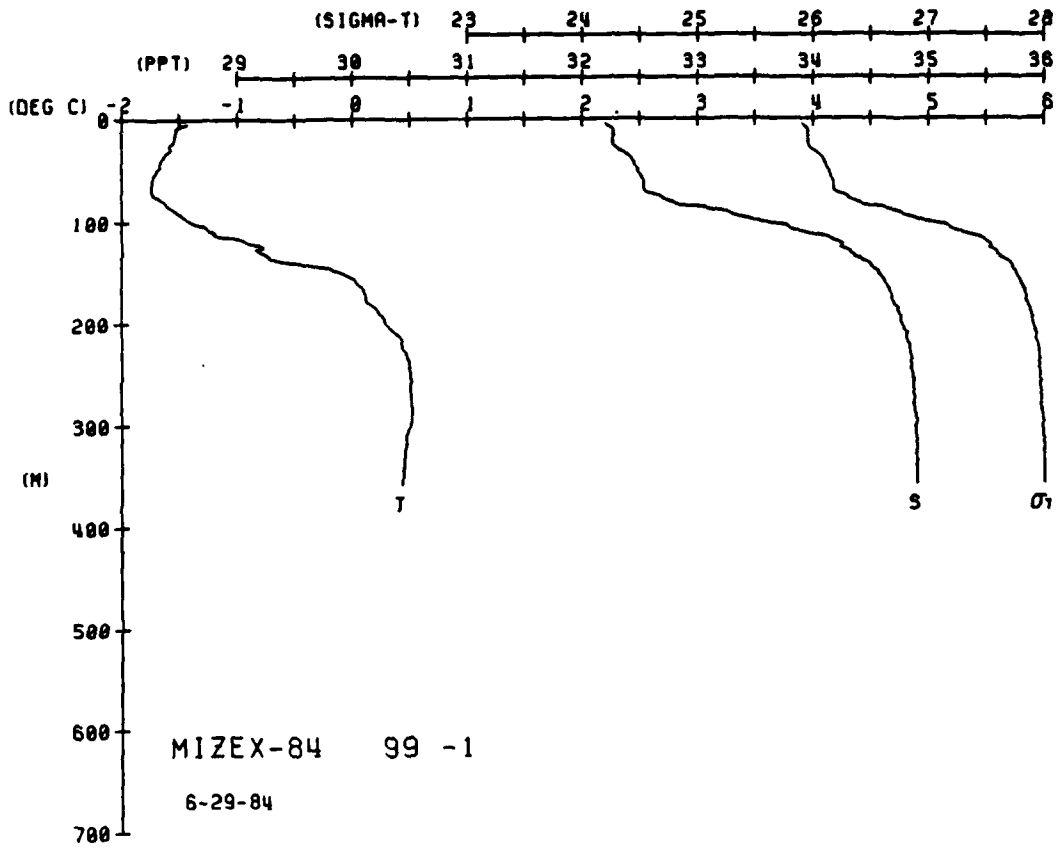




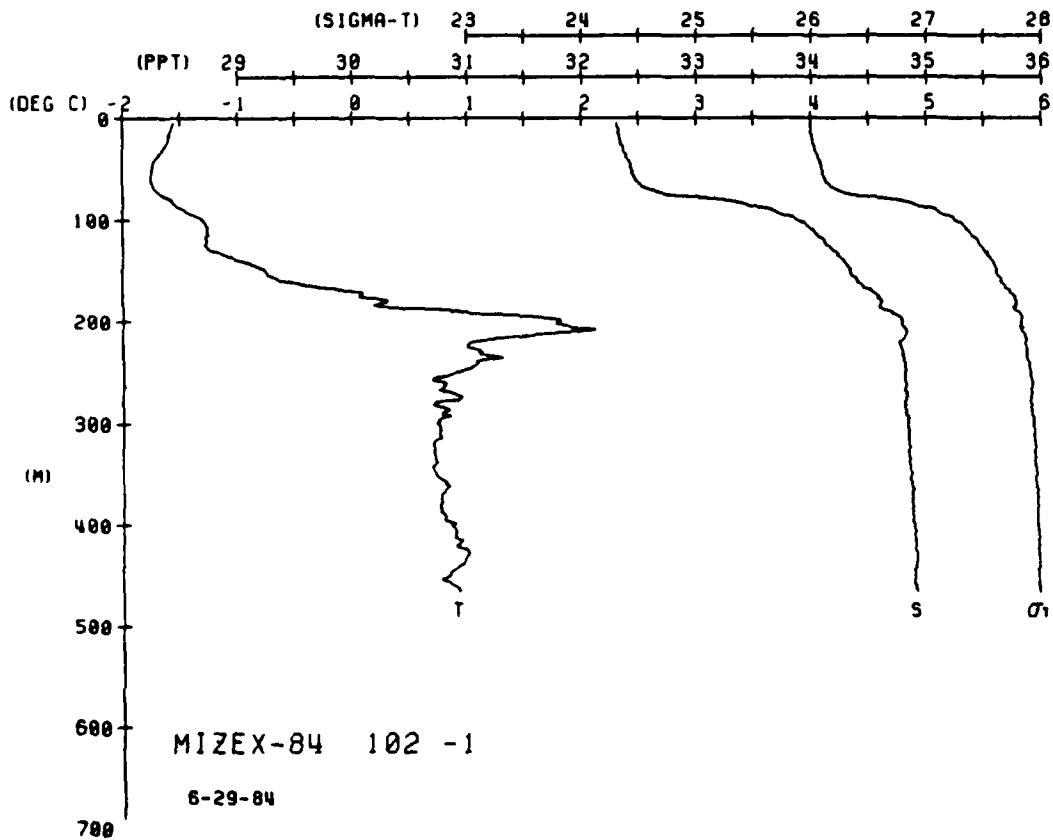
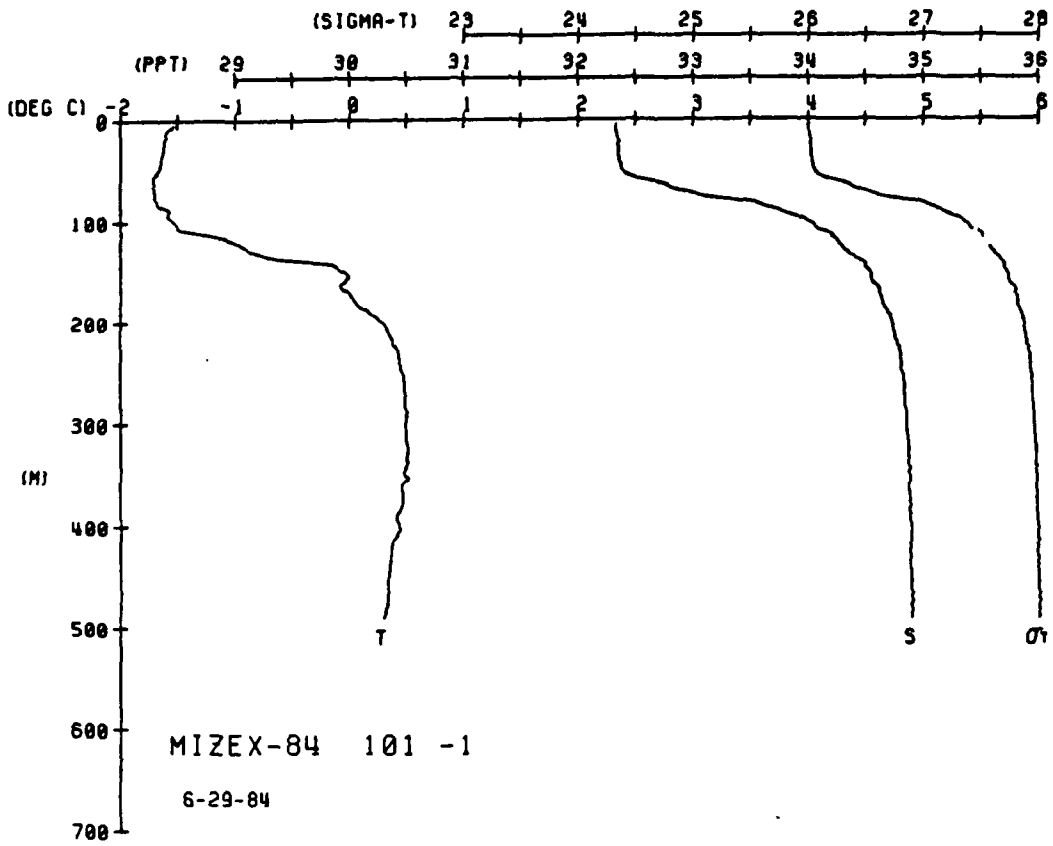




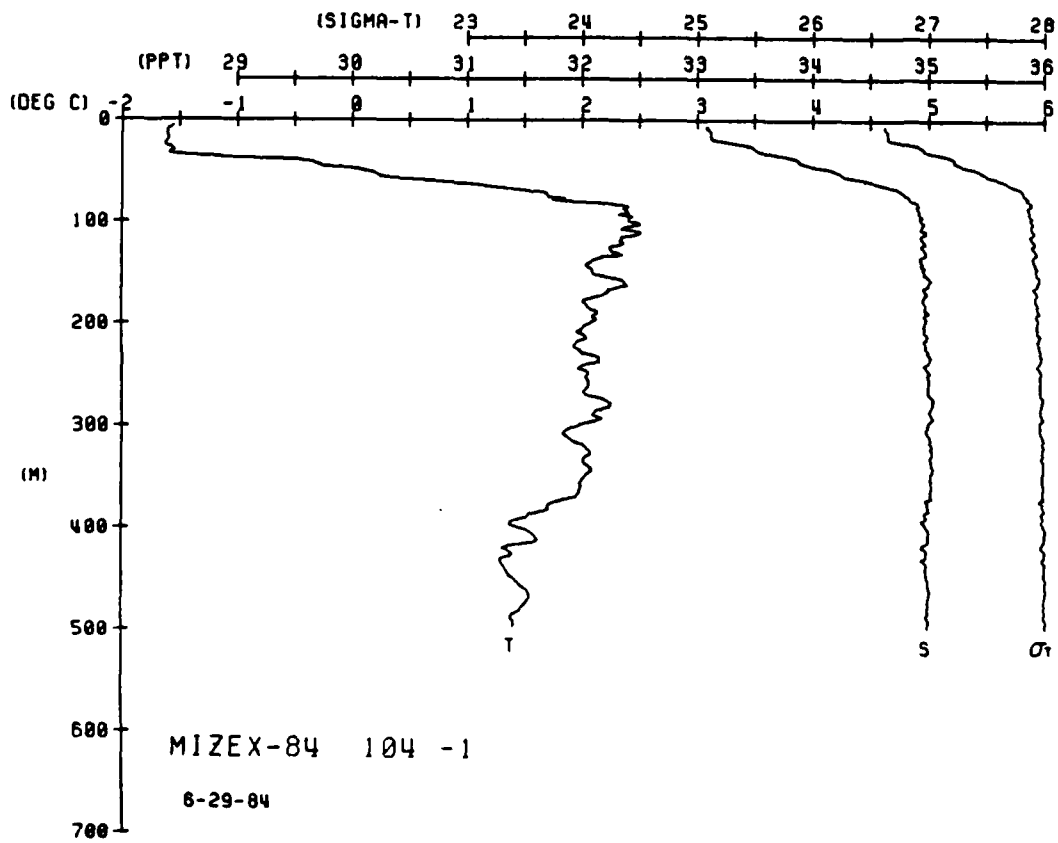
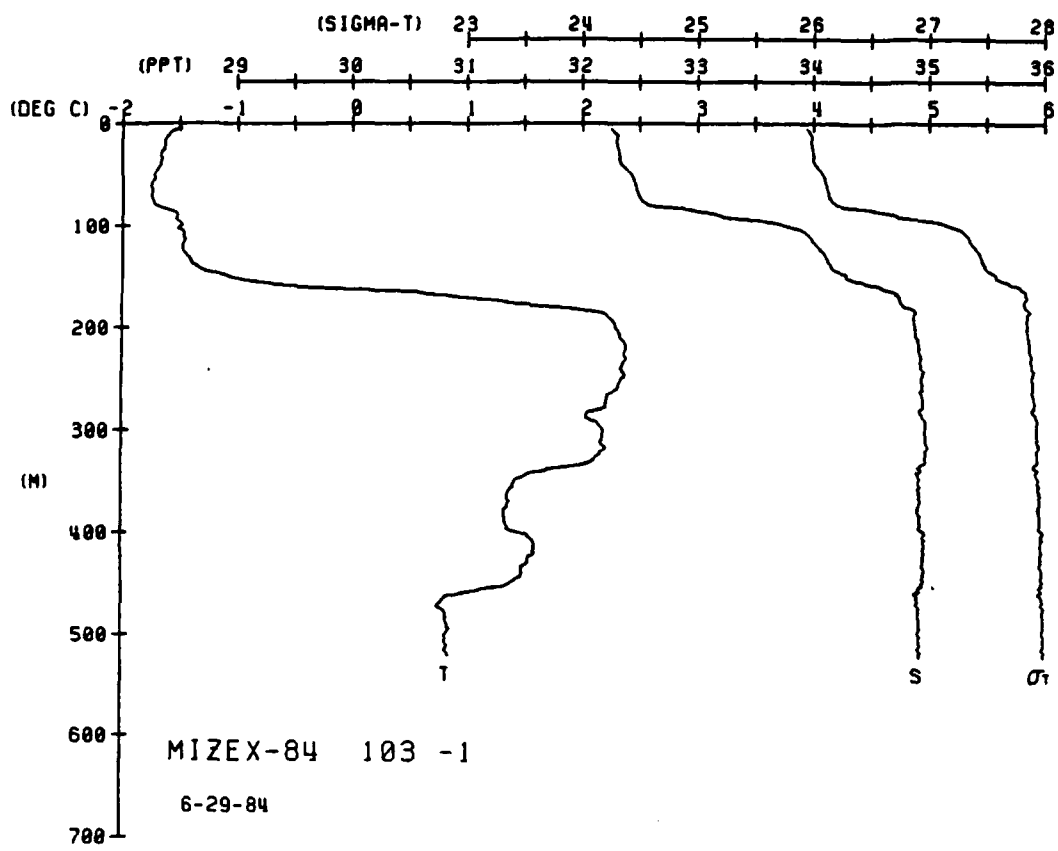






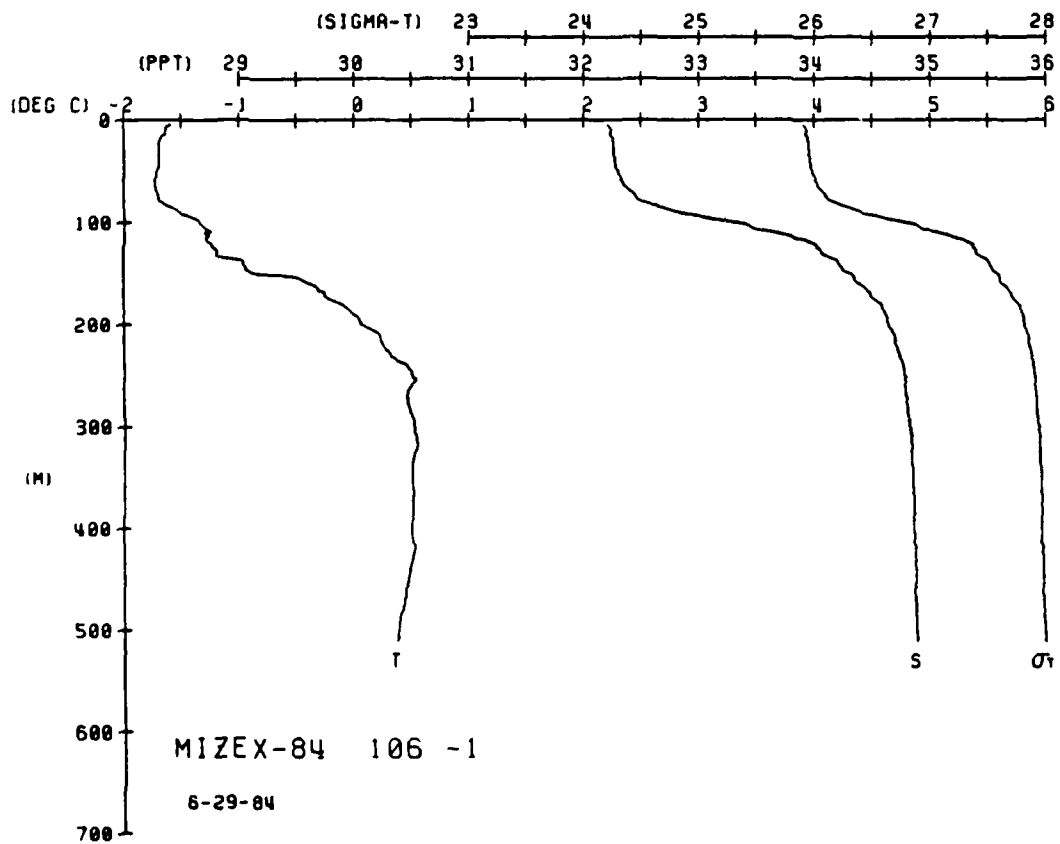
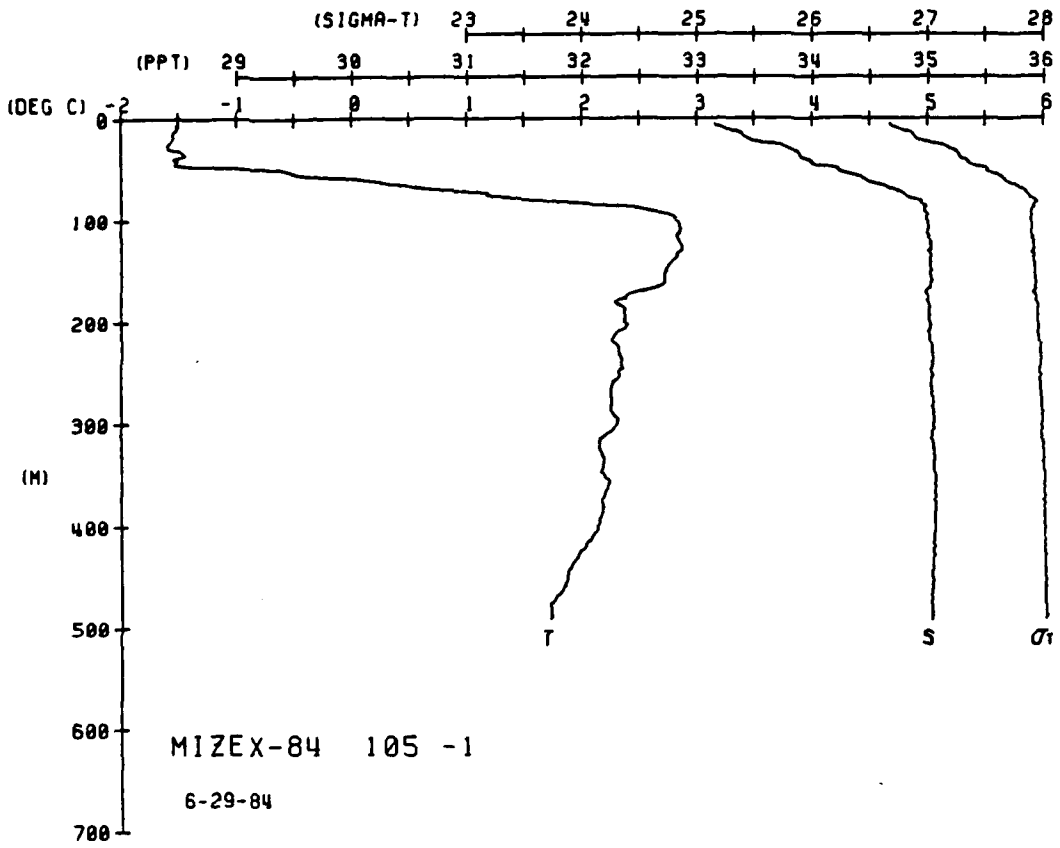










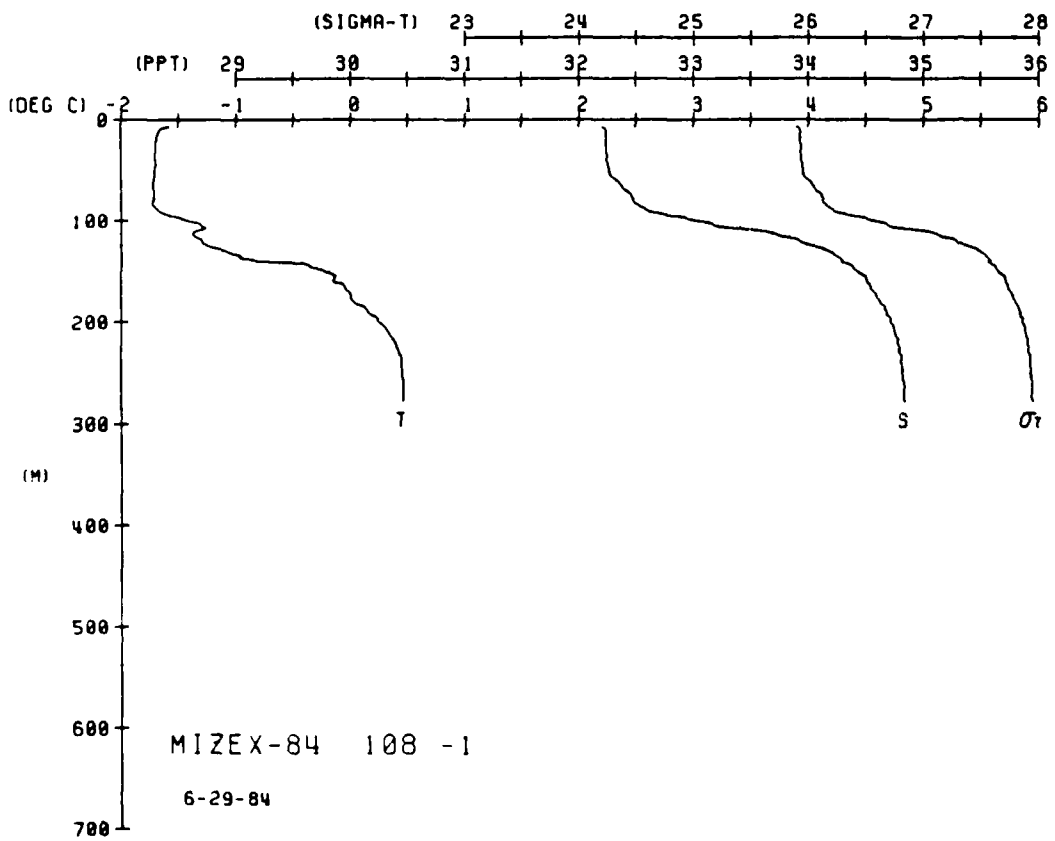
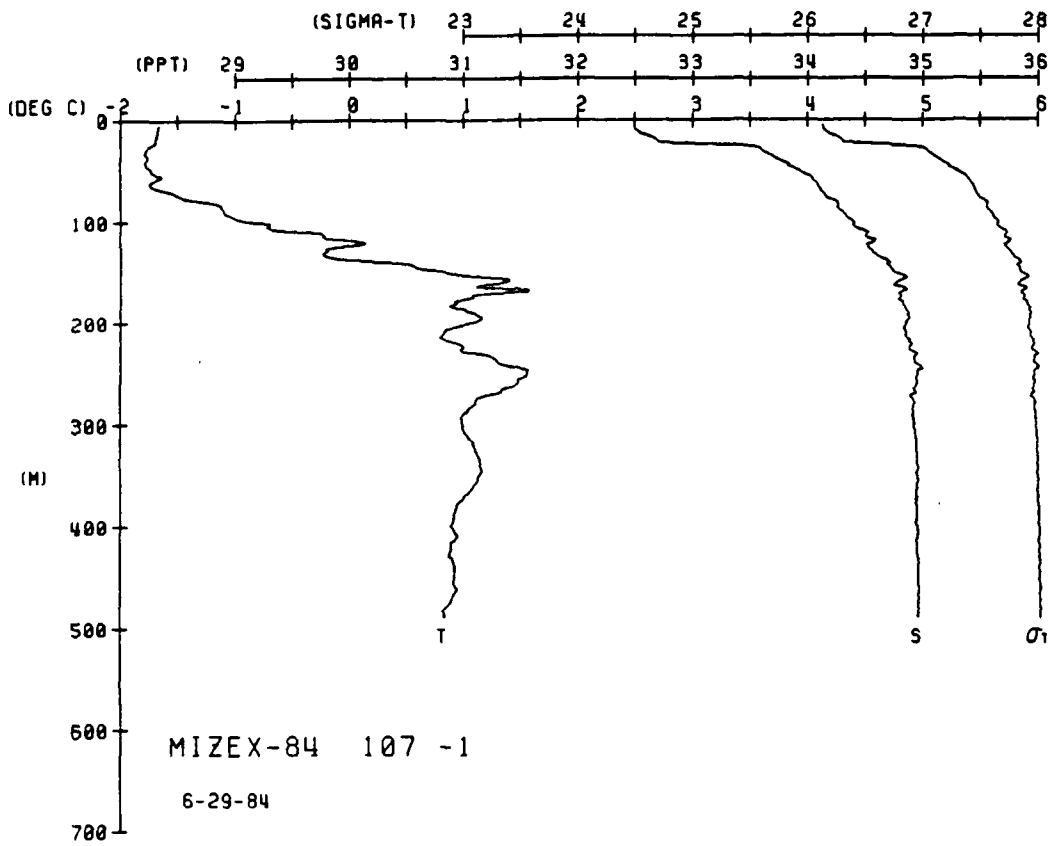


MIZEX-84 STATION 107(1) CID 29/JUN/1984 1417 GMT CODE = 1  
LAT = 80.5000N LMG = 0.5000W LITER = 150 LGER = 150  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

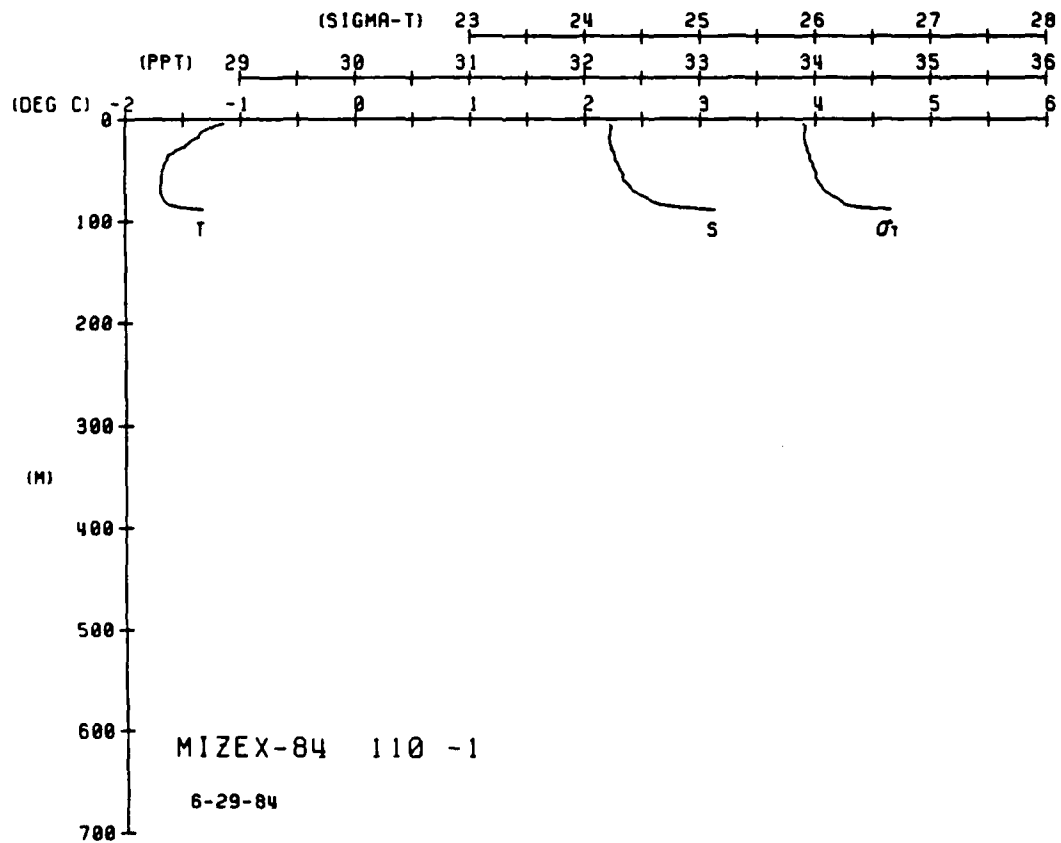
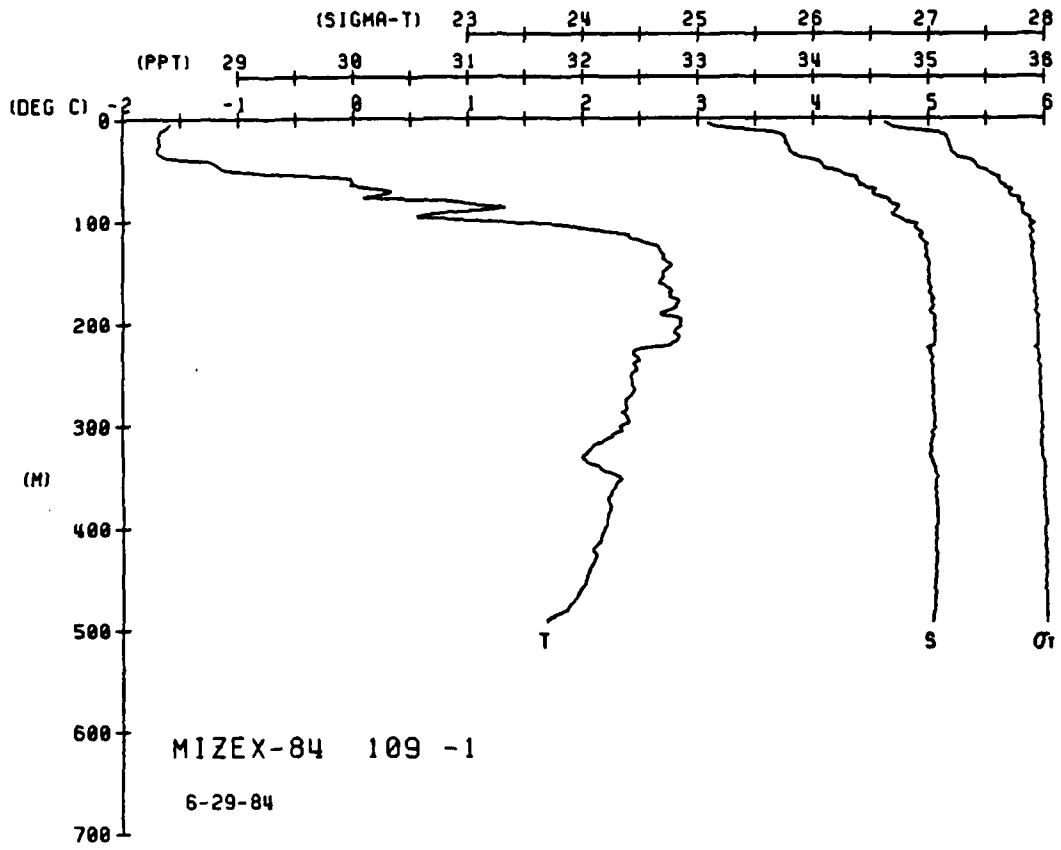
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHI	SOUND
0	58	58	33	1	1	0	0
5	58	58	33	1	1	0	0
10	58	58	33	1	1	0	0
15	58	58	33	1	1	0	0
20	58	58	33	1	1	0	0
25	58	58	33	1	1	0	0
30	58	58	33	1	1	0	0
35	58	58	33	1	1	0	0
40	58	58	33	1	1	0	0
45	58	58	33	1	1	0	0
50	58	58	33	1	1	0	0
55	58	58	33	1	1	0	0
60	58	58	33	1	1	0	0
65	58	58	33	1	1	0	0
70	58	58	33	1	1	0	0
75	58	58	33	1	1	0	0
80	58	58	33	1	1	0	0
85	58	58	33	1	1	0	0
90	58	58	33	1	1	0	0
95	58	58	33	1	1	0	0
100	58	58	33	1	1	0	0

MIZEX-84 STATION 107(1) CID 29/JUN/1984 1417 GMT CODE = 1  
LAT = 80.5000N LMG = 0.5000W LITER = 150 LGER = 150  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

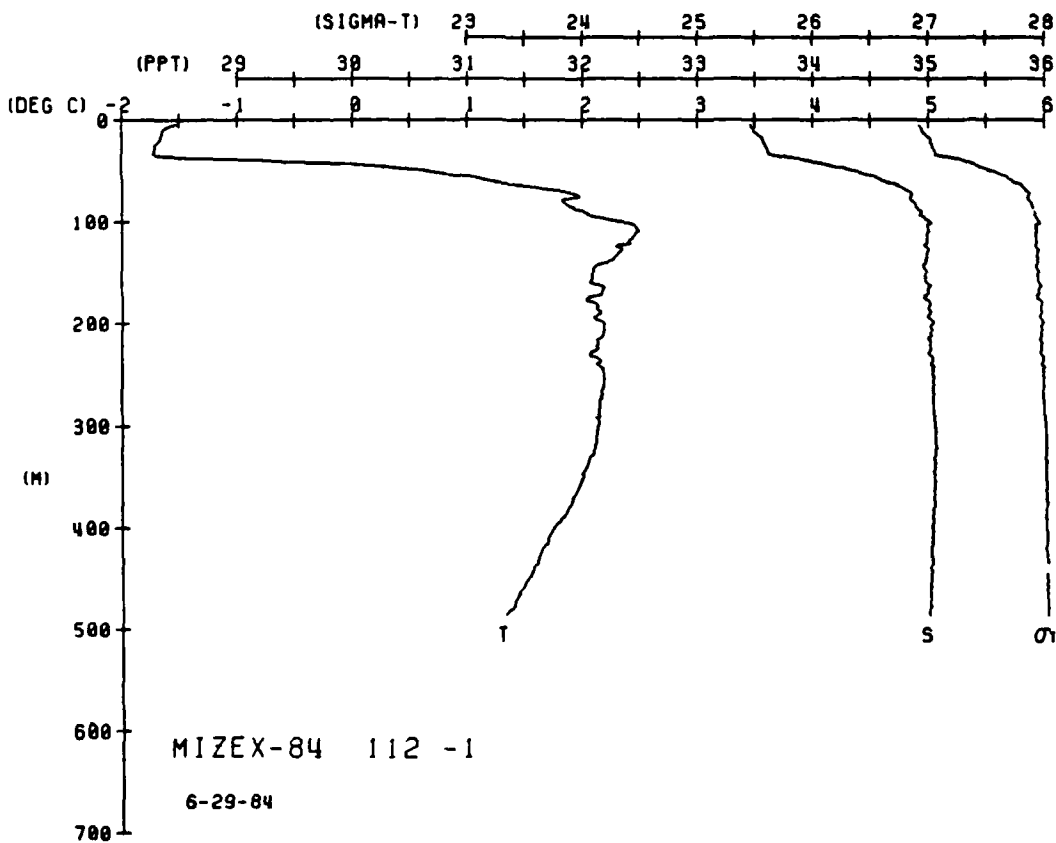
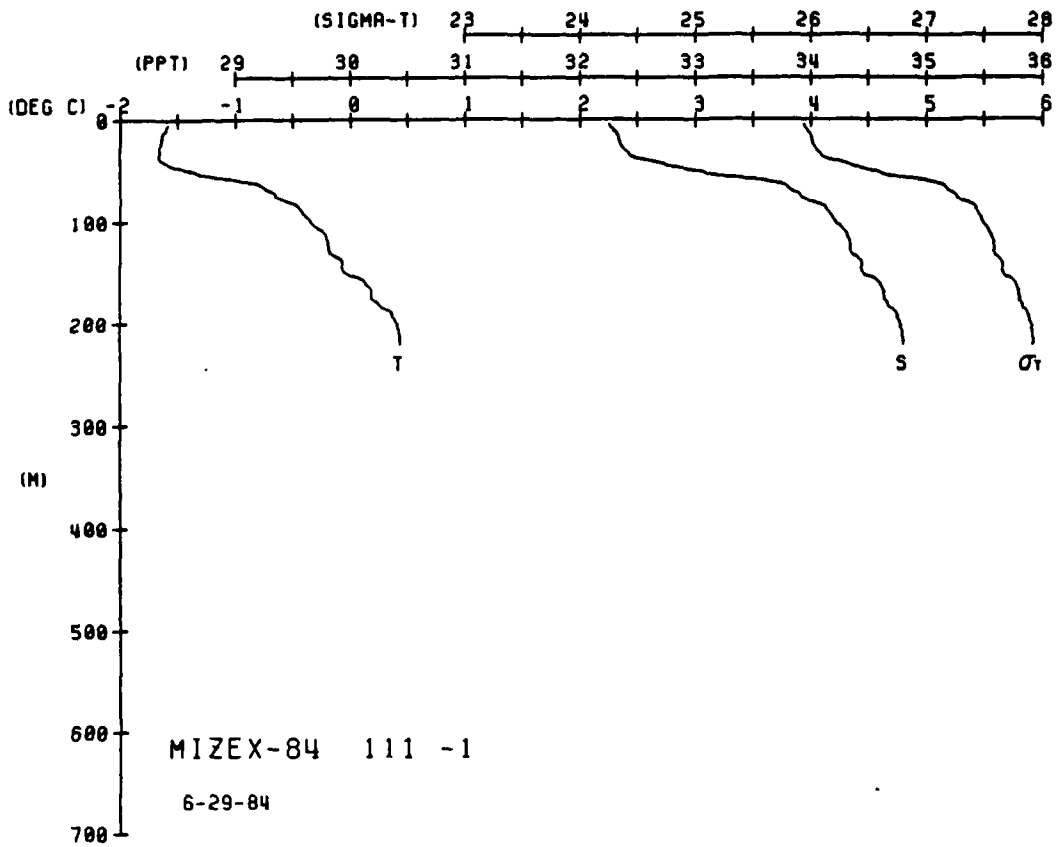
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHI	SOUND
0	58	58	33	1	1	0	0
5	58	58	33	1	1	0	0
10	58	58	33	1	1	0	0
15	58	58	33	1	1	0	0
20	58	58	33	1	1	0	0
25	58	58	33	1	1	0	0
30	58	58	33	1	1	0	0
35	58	58	33	1	1	0	0
40	58	58	33	1	1	0	0
45	58	58	33	1	1	0	0
50	58	58	33	1	1	0	0
55	58	58	33	1	1	0	0
60	58	58	33	1	1	0	0
65	58	58	33	1	1	0	0
70	58	58	33	1	1	0	0
75	58	58	33	1	1	0	0
80	58	58	33	1	1	0	0
85	58	58	33	1	1	0	0
90	58	58	33	1	1	0	0
95	58	58	33	1	1	0	0
100	58	58	33	1	1	0	0











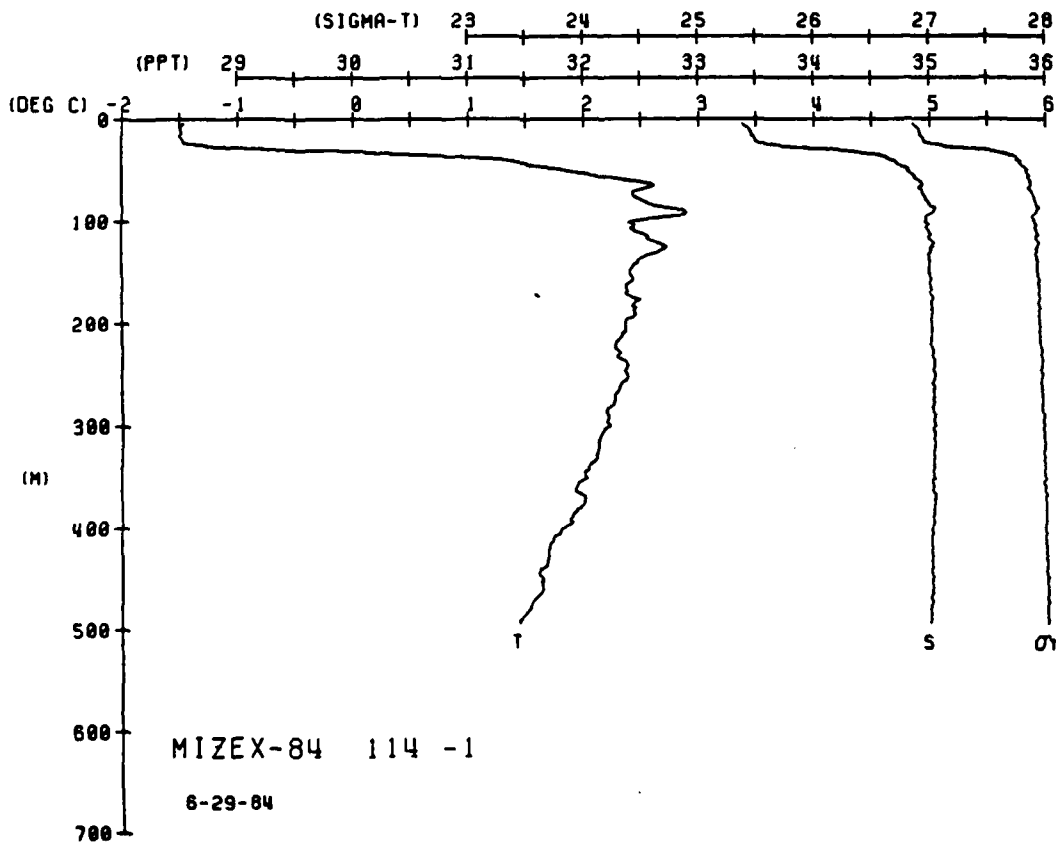
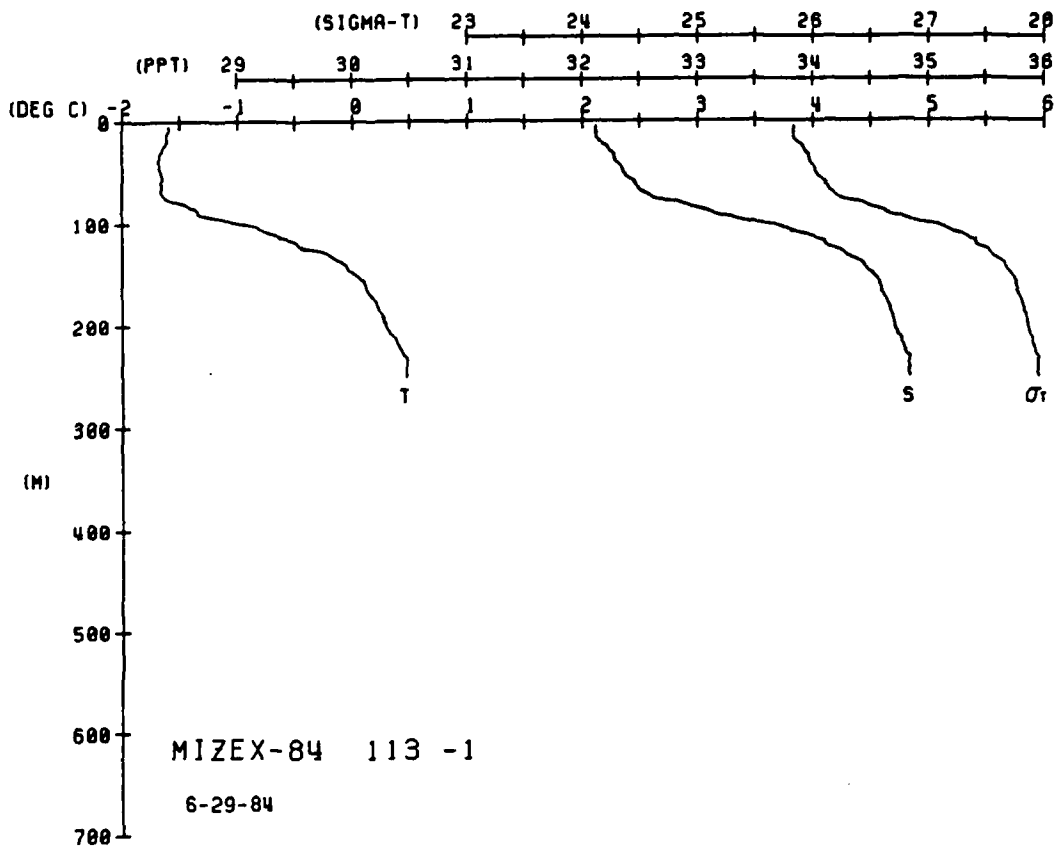


MIZEX-84 STATION 113(1) CTD 29/JUN/1984 1622 GMT CODE = 1  
LAT = 80.4138 LMG = 7.9917 LTER = 300. LGER = 300.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DYHMT	SOUND
00	99.90	11.55	33.22	22.22	7.7	009	937.9
05	99.90	11.55	33.22	22.22	7.7	009	937.9
10	99.90	11.55	33.22	22.22	7.7	009	937.9
15	99.90	11.55	33.22	22.22	7.7	009	937.9
20	99.90	11.55	33.22	22.22	7.7	009	937.9
25	99.90	11.55	33.22	22.22	7.7	009	937.9
30	99.90	11.55	33.22	22.22	7.7	009	937.9
35	99.90	11.55	33.22	22.22	7.7	009	937.9
40	99.90	11.55	33.22	22.22	7.7	009	937.9
45	99.90	11.55	33.22	22.22	7.7	009	937.9
50	99.90	11.55	33.22	22.22	7.7	009	937.9
55	99.90	11.55	33.22	22.22	7.7	009	937.9
60	99.90	11.55	33.22	22.22	7.7	009	937.9
65	99.90	11.55	33.22	22.22	7.7	009	937.9
70	99.90	11.55	33.22	22.22	7.7	009	937.9
75	99.90	11.55	33.22	22.22	7.7	009	937.9
80	99.90	11.55	33.22	22.22	7.7	009	937.9
85	99.90	11.55	33.22	22.22	7.7	009	937.9
90	99.90	11.55	33.22	22.22	7.7	009	937.9
95	99.90	11.55	33.22	22.22	7.7	009	937.9
100	99.90	11.55	33.22	22.22	7.7	009	937.9

MIZEX-84 STATION 114(1) CTD 29/JUN/1984 1630 GMT CODE = 1  
LAT = 80.6500 LMG = 1.5833 LTER = 150. LGER = 150.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DYHMT	SOUND
00	99.90	11.55	33.22	22.22	7.7	009	937.9
05	99.90	11.55	33.22	22.22	7.7	009	937.9
10	99.90	11.55	33.22	22.22	7.7	009	937.9
15	99.90	11.55	33.22	22.22	7.7	009	937.9
20	99.90	11.55	33.22	22.22	7.7	009	937.9
25	99.90	11.55	33.22	22.22	7.7	009	937.9
30	99.90	11.55	33.22	22.22	7.7	009	937.9
35	99.90	11.55	33.22	22.22	7.7	009	937.9
40	99.90	11.55	33.22	22.22	7.7	009	937.9
45	99.90	11.55	33.22	22.22	7.7	009	937.9
50	99.90	11.55	33.22	22.22	7.7	009	937.9
55	99.90	11.55	33.22	22.22	7.7	009	937.9
60	99.90	11.55	33.22	22.22	7.7	009	937.9
65	99.90	11.55	33.22	22.22	7.7	009	937.9
70	99.90	11.55	33.22	22.22	7.7	009	937.9
75	99.90	11.55	33.22	22.22	7.7	009	937.9
80	99.90	11.55	33.22	22.22	7.7	009	937.9
85	99.90	11.55	33.22	22.22	7.7	009	937.9
90	99.90	11.55	33.22	22.22	7.7	009	937.9
95	99.90	11.55	33.22	22.22	7.7	009	937.9
100	99.90	11.55	33.22	22.22	7.7	009	937.9

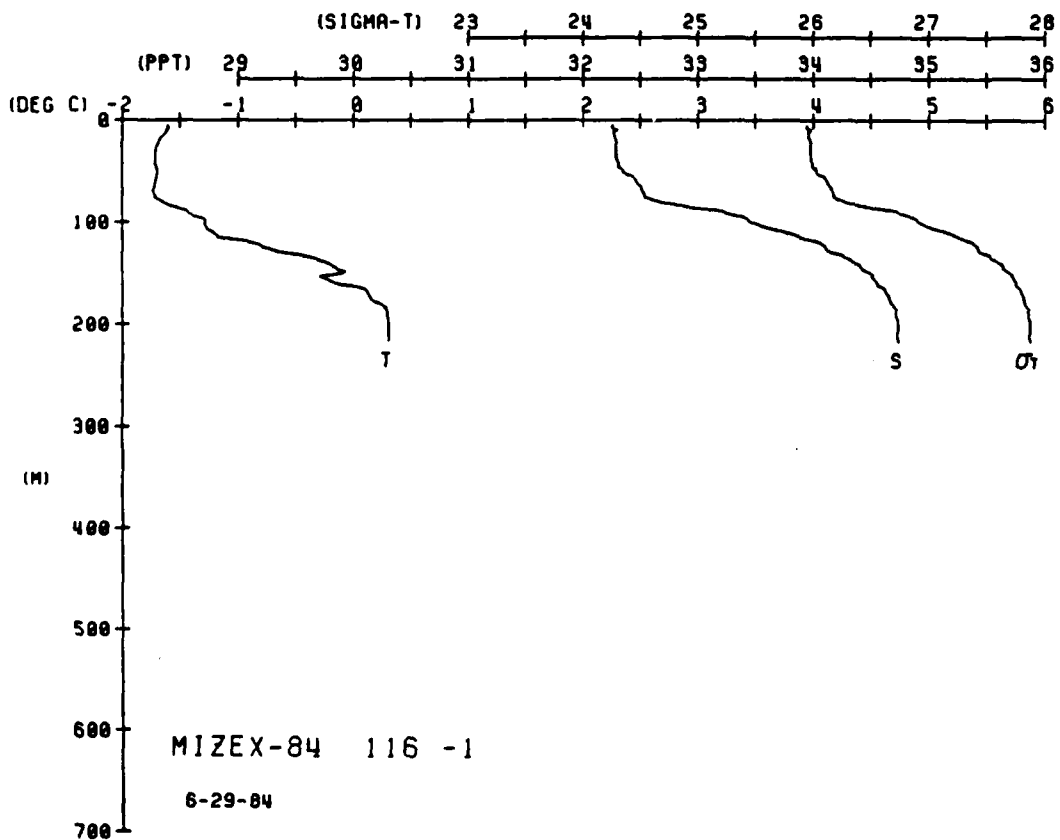
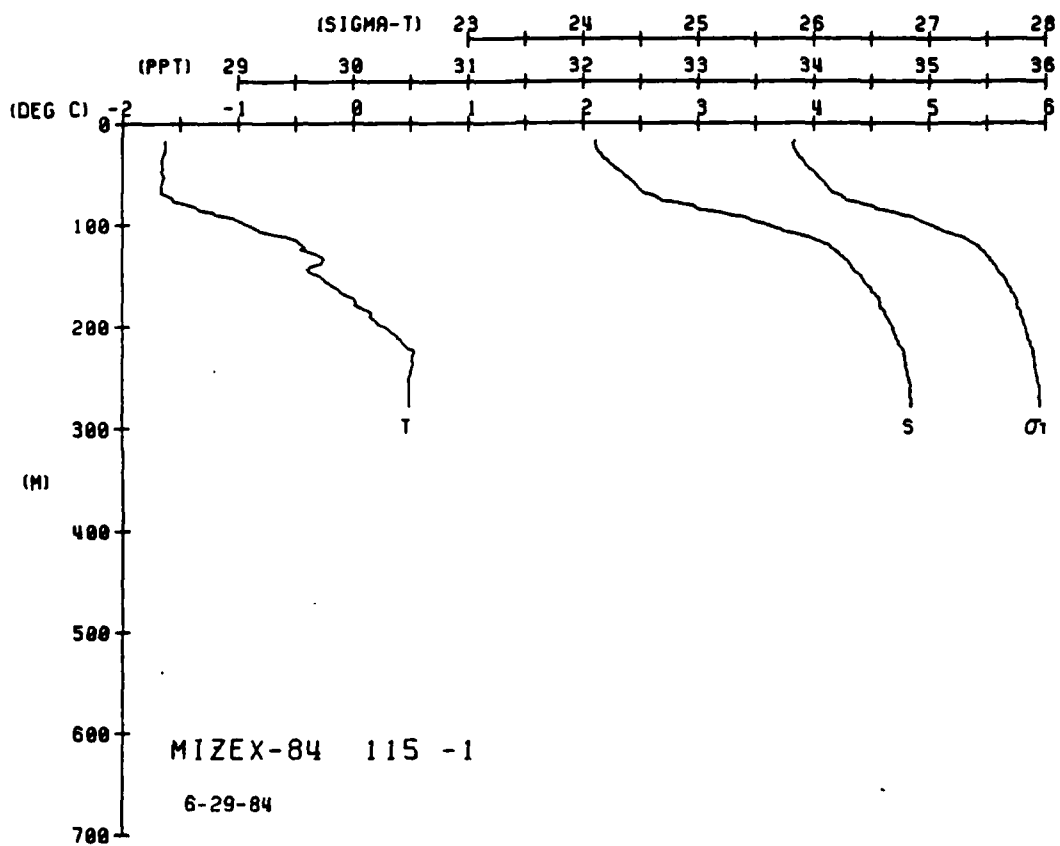


NITEZ-84 STATION 115(1) CTU 29/JUN/1984 1650 GMT CODE = 1  
LAT = 80.2467N LNC = 8.0000W LFER = 300. UGER = 300.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0

NITEZ-84 STATION 116(1) CPD 29/JUN/1984 ANZU GRA LUCU = 4  
LAT = 80.5850N LNC = 7.0117W LFER = 300. UGER = 300.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHHT	SOUND
00	11.11	11.11	33.33	1.11	1.11	00	1111
05	11.11	11.11	33.33	1.11	1.11	00	1111
10	11.11	11.11	33.33	1.11	1.11	00	1111
15	11.11	11.11	33.33	1.11	1.11	00	1111
20	11.11	11.11	33.33	1.11	1.11	00	1111
25	11.11	11.11	33.33	1.11	1.11	00	1111
30	11.11	11.11	33.33	1.11	1.11	00	1111
35	11.11	11.11	33.33	1.11	1.11	00	1111
40	11.11	11.11	33.33	1.11	1.11	00	1111
45	11.11	11.11	33.33	1.11	1.11	00	1111
50	11.11	11.11	33.33	1.11	1.11	00	1111
55	11.11	11.11	33.33	1.11	1.11	00	1111
60	11.11	11.11	33.33	1.11	1.11	00	1111
65	11.11	11.11	33.33	1.11	1.11	00	1111
70	11.11	11.11	33.33	1.11	1.11	00	1111
75	11.11	11.11	33.33	1.11	1.11	00	1111
80	11.11	11.11	33.33	1.11	1.11	00	1111
85	11.11	11.11	33.33	1.11	1.11	00	1111
90	11.11	11.11	33.33	1.11	1.11	00	1111
95	11.11	11.11	33.33	1.11	1.11	00	1111
100	11.11	11.11	33.33	1.11	1.11	00	1111

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHHT	SOUND
00	11.11	11.11	33.33	1.11	1.11	00	1111
05	11.11	11.11	33.33	1.11	1.11	00	1111
10	11.11	11.11	33.33	1.11	1.11	00	1111
15	11.11	11.11	33.33	1.11	1.11	00	1111
20	11.11	11.11	33.33	1.11	1.11	00	1111
25	11.11	11.11	33.33	1.11	1.11	00	1111
30	11.11	11.11	33.33	1.11	1.11	00	1111
35	11.11	11.11	33.33	1.11	1.11	00	1111
40	11.11	11.11	33.33	1.11	1.11	00	1111
45	11.11	11.11	33.33	1.11	1.11	00	1111
50	11.11	11.11	33.33	1.11	1.11	00	1111
55	11.11	11.11	33.33	1.11	1.11	00	1111
60	11.11	11.11	33.33	1.11	1.11	00	1111
65	11.11	11.11	33.33	1.11	1.11	00	1111
70	11.11	11.11	33.33	1.11	1.11	00	1111
75	11.11	11.11	33.33	1.11	1.11	00	1111
80	11.11	11.11	33.33	1.11	1.11	00	1111
85	11.11	11.11	33.33	1.11	1.11	00	1111
90	11.11	11.11	33.33	1.11	1.11	00	1111
95	11.11	11.11	33.33	1.11	1.11	00	1111
100	11.11	11.11	33.33	1.11	1.11	00	1111

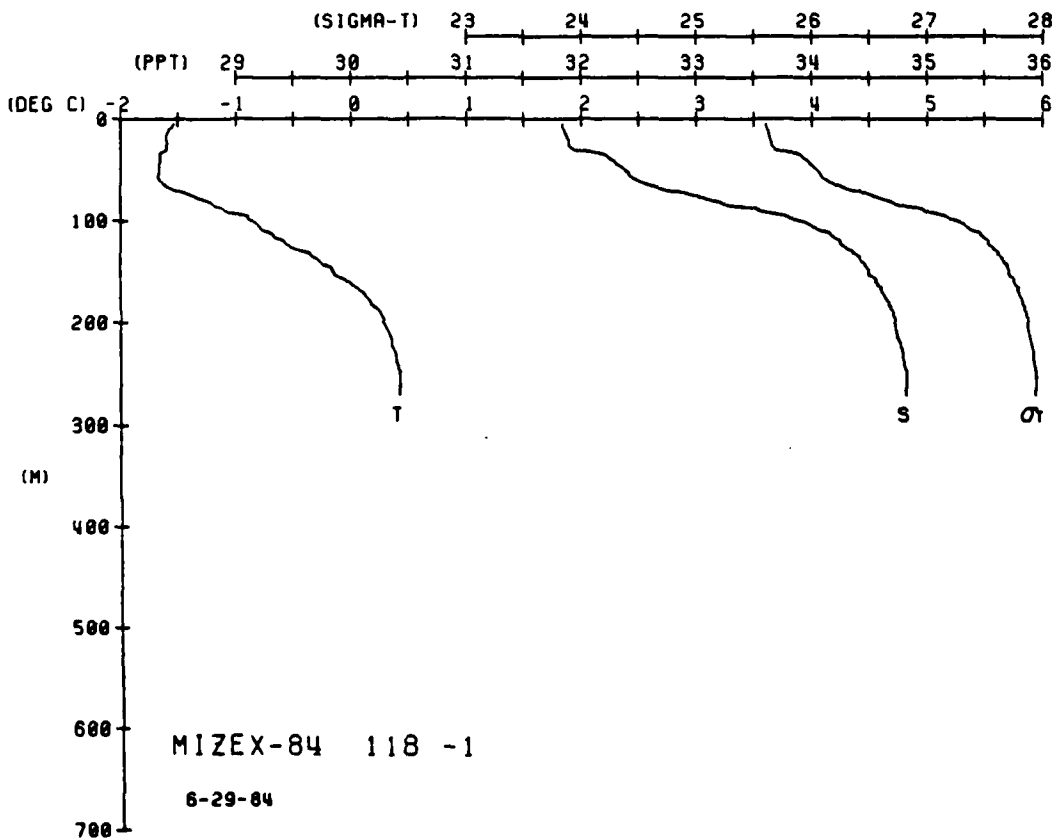
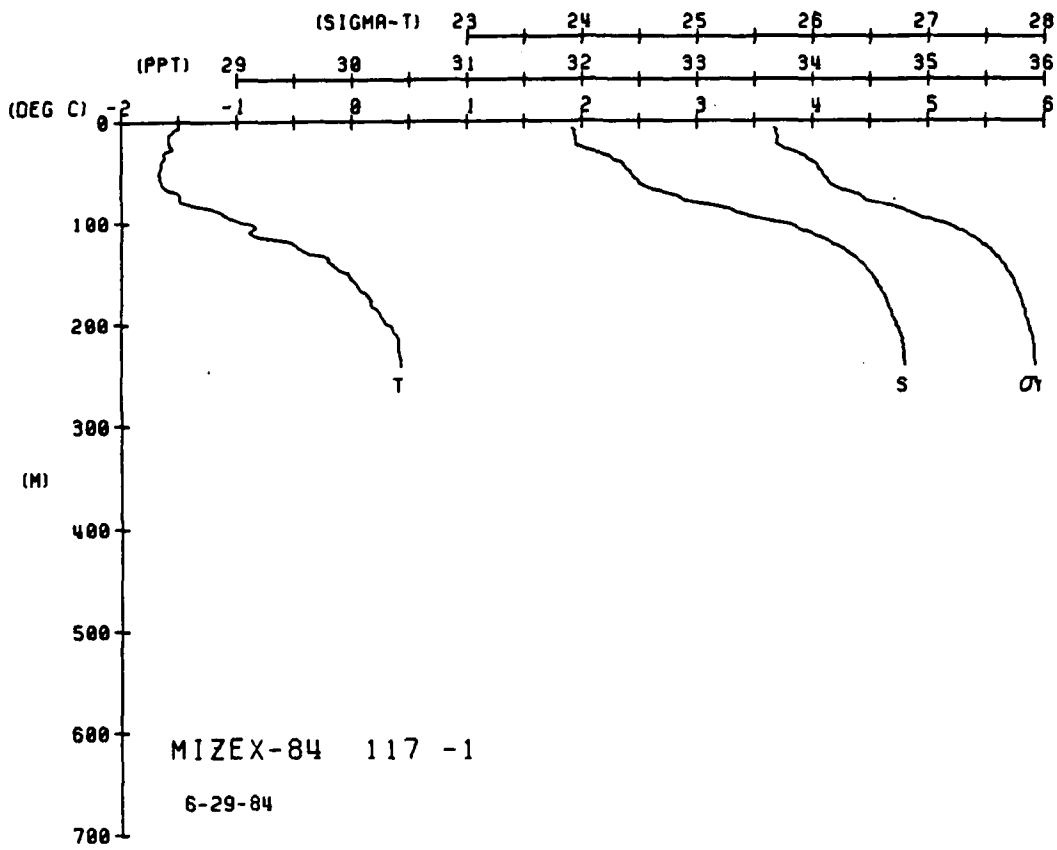


MIXE-84 STATION 117(1) CTD 29/JUN/1984 1804 GMT CODE = 1  
LAT = 80.408N LMG = 30.0 LGER = 300.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0

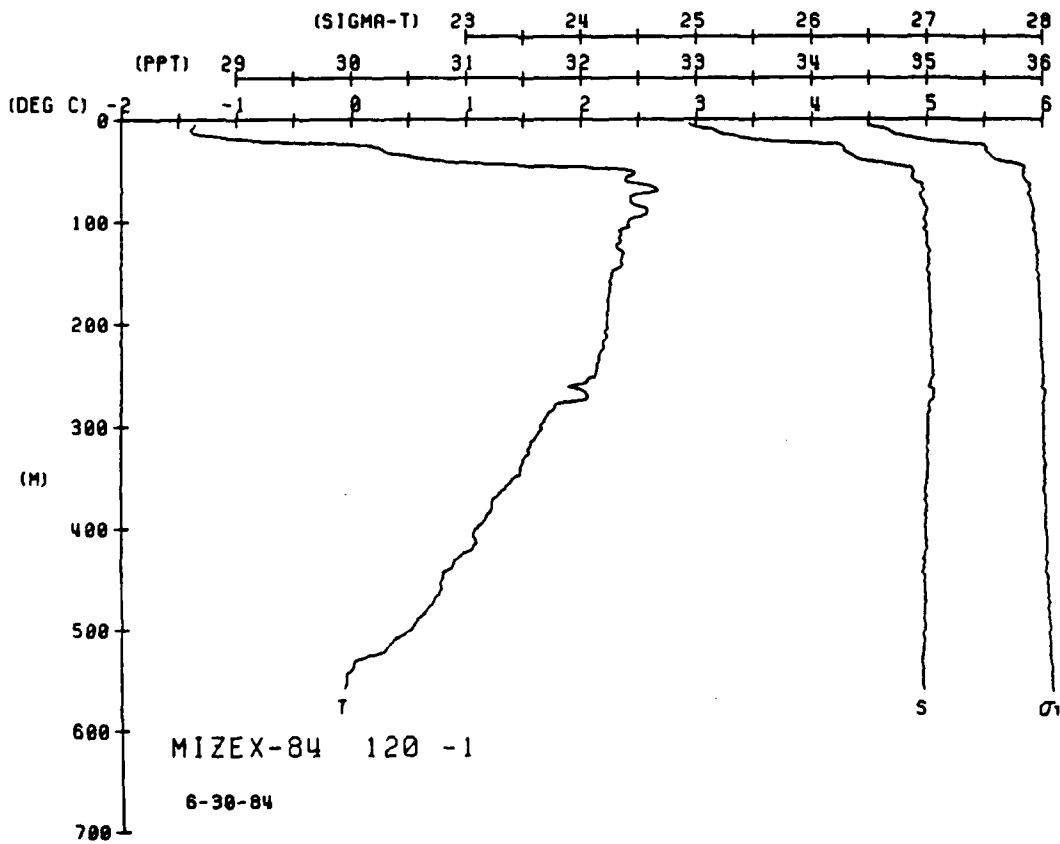
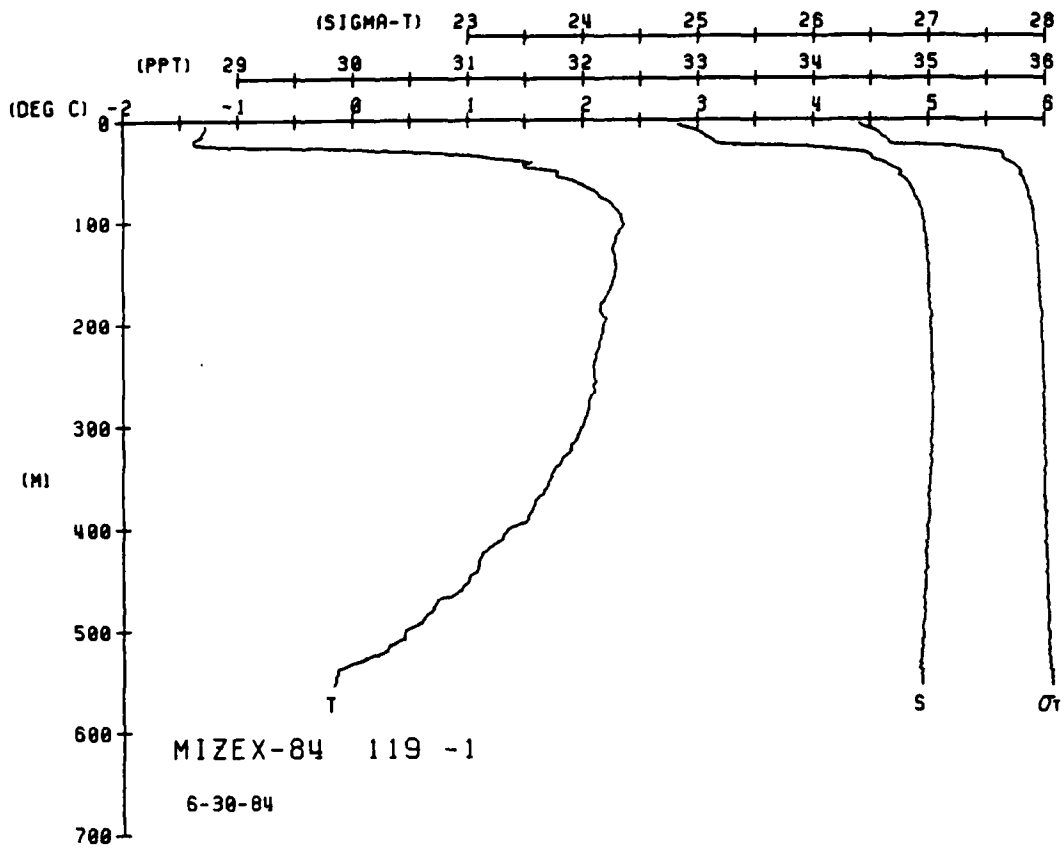
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DIRHT	SOUND
0	52.57	52.57	33.11	67.67	0.00	0.00	0.00
5	52.57	52.57	33.11	67.67	0.00	0.00	0.00
10	52.57	52.57	33.11	67.67	0.00	0.00	0.00
15	52.57	52.57	33.11	67.67	0.00	0.00	0.00
20	52.57	52.57	33.11	67.67	0.00	0.00	0.00
25	52.57	52.57	33.11	67.67	0.00	0.00	0.00
30	52.57	52.57	33.11	67.67	0.00	0.00	0.00
35	52.57	52.57	33.11	67.67	0.00	0.00	0.00
40	52.57	52.57	33.11	67.67	0.00	0.00	0.00
45	52.57	52.57	33.11	67.67	0.00	0.00	0.00
50	52.57	52.57	33.11	67.67	0.00	0.00	0.00
55	52.57	52.57	33.11	67.67	0.00	0.00	0.00
60	52.57	52.57	33.11	67.67	0.00	0.00	0.00
65	52.57	52.57	33.11	67.67	0.00	0.00	0.00
70	52.57	52.57	33.11	67.67	0.00	0.00	0.00
75	52.57	52.57	33.11	67.67	0.00	0.00	0.00
80	52.57	52.57	33.11	67.67	0.00	0.00	0.00
85	52.57	52.57	33.11	67.67	0.00	0.00	0.00
90	52.57	52.57	33.11	67.67	0.00	0.00	0.00
95	52.57	52.57	33.11	67.67	0.00	0.00	0.00
100	52.57	52.57	33.11	67.67	0.00	0.00	0.00

MIXE-84 STATION 119(1) CTD 29/JUN/1984 1934 GMT CODE = 1  
LAT = 80.241N LMG = 30.0 LGER = 300.0  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DIRHT	SOUND
0	52.57	52.57	33.11	67.67	0.00	0.00	0.00
5	52.57	52.57	33.11	67.67	0.00	0.00	0.00
10	52.57	52.57	33.11	67.67	0.00	0.00	0.00
15	52.57	52.57	33.11	67.67	0.00	0.00	0.00
20	52.57	52.57	33.11	67.67	0.00	0.00	0.00
25	52.57	52.57	33.11	67.67	0.00	0.00	0.00
30	52.57	52.57	33.11	67.67	0.00	0.00	0.00
35	52.57	52.57	33.11	67.67	0.00	0.00	0.00
40	52.57	52.57	33.11	67.67	0.00	0.00	0.00
45	52.57	52.57	33.11	67.67	0.00	0.00	0.00
50	52.57	52.57	33.11	67.67	0.00	0.00	0.00
55	52.57	52.57	33.11	67.67	0.00	0.00	0.00
60	52.57	52.57	33.11	67.67	0.00	0.00	0.00
65	52.57	52.57	33.11	67.67	0.00	0.00	0.00
70	52.57	52.57	33.11	67.67	0.00	0.00	0.00
75	52.57	52.57	33.11	67.67	0.00	0.00	0.00
80	52.57	52.57	33.11	67.67	0.00	0.00	0.00
85	52.57	52.57	33.11	67.67	0.00	0.00	0.00
90	52.57	52.57	33.11	67.67	0.00	0.00	0.00
95	52.57	52.57	33.11	67.67	0.00	0.00	0.00
100	52.57	52.57	33.11	67.67	0.00	0.00	0.00

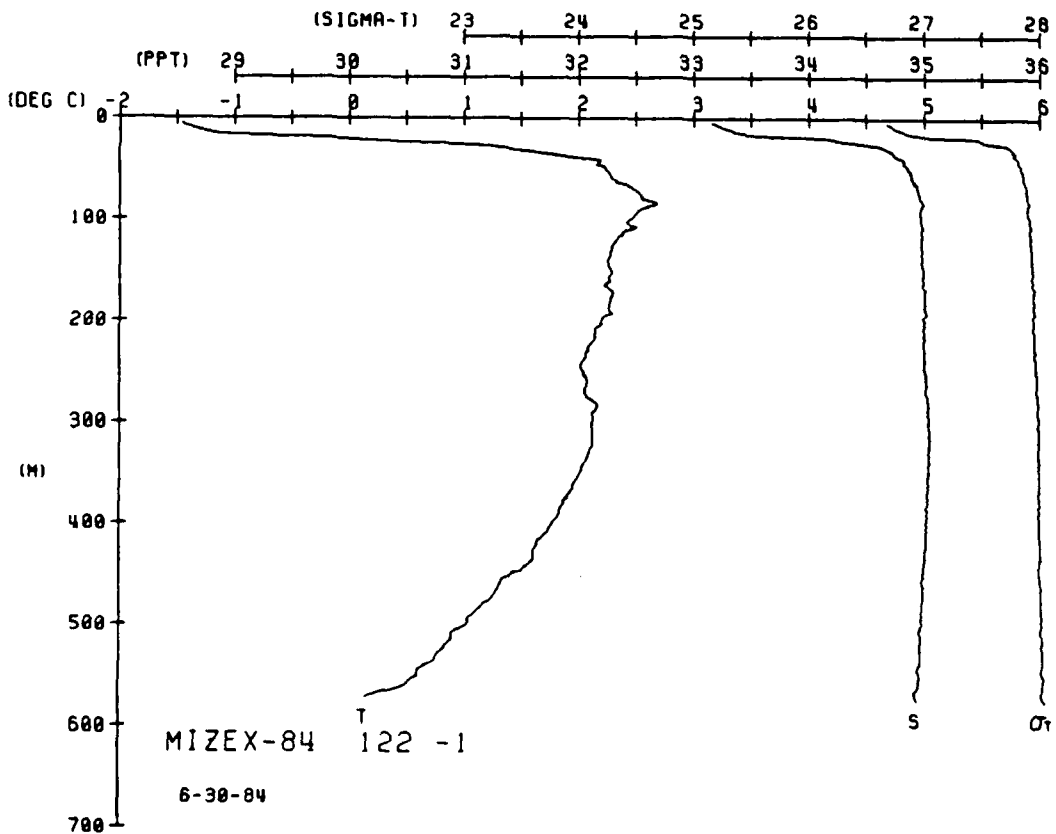
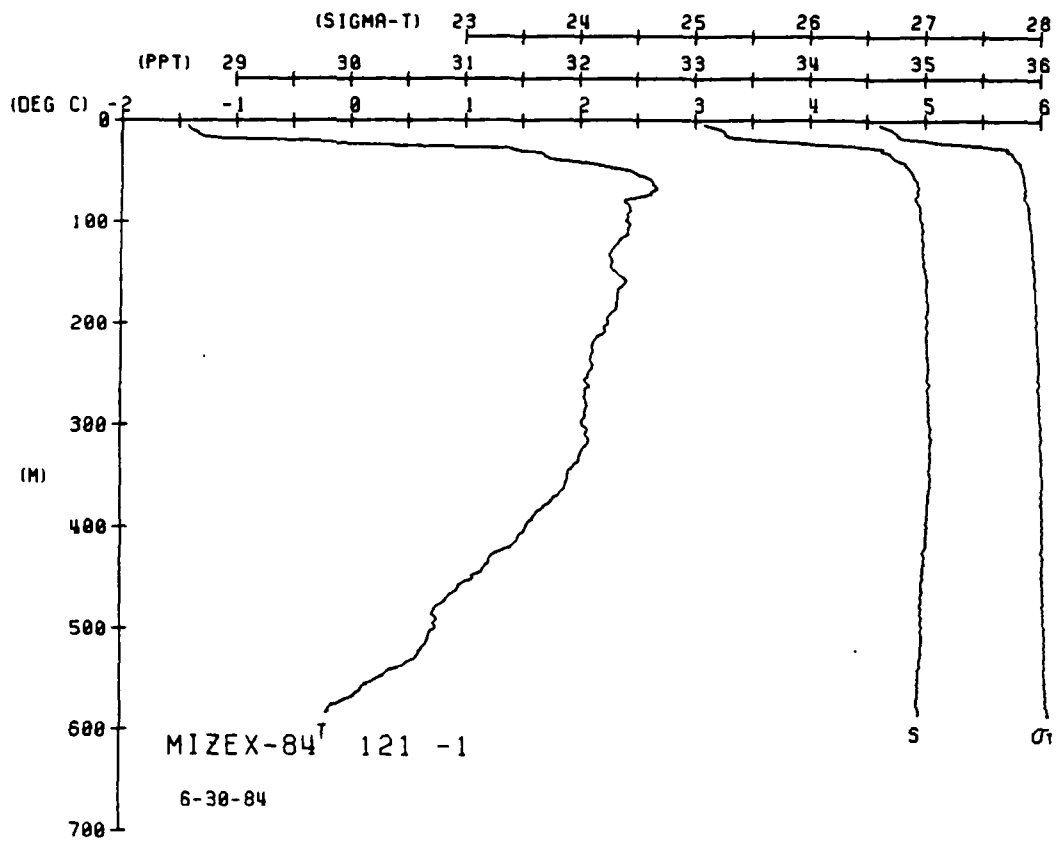




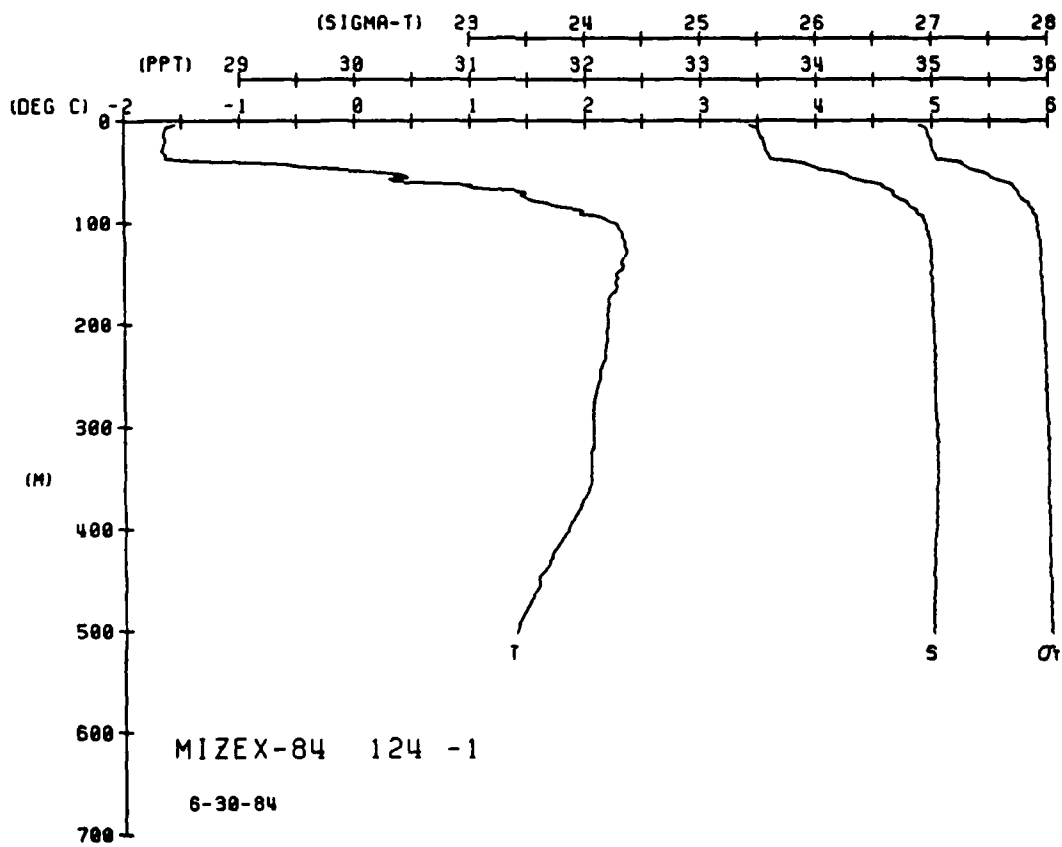
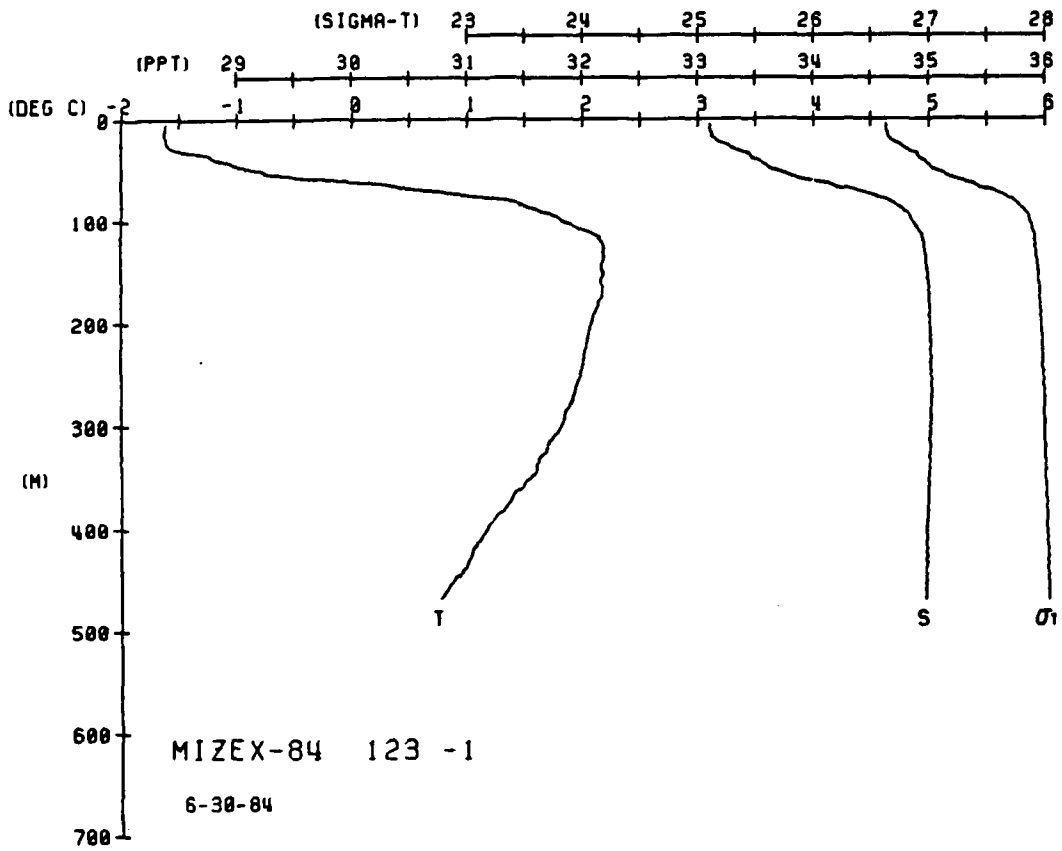




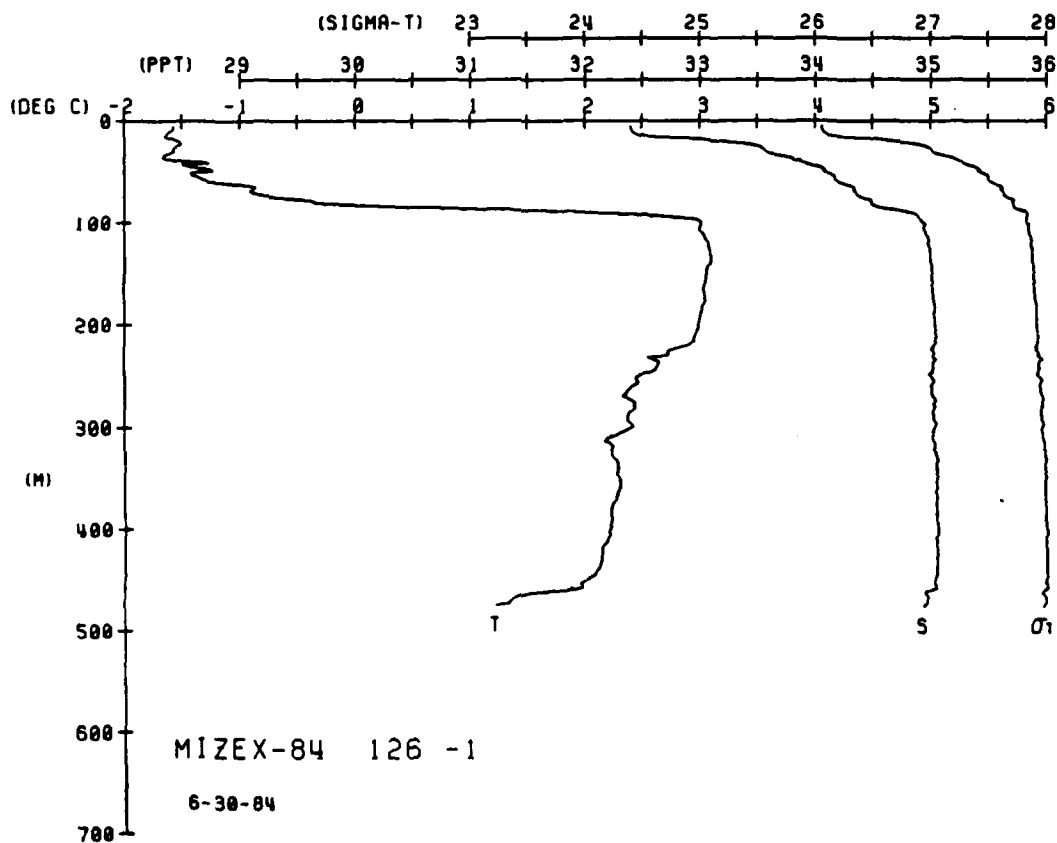
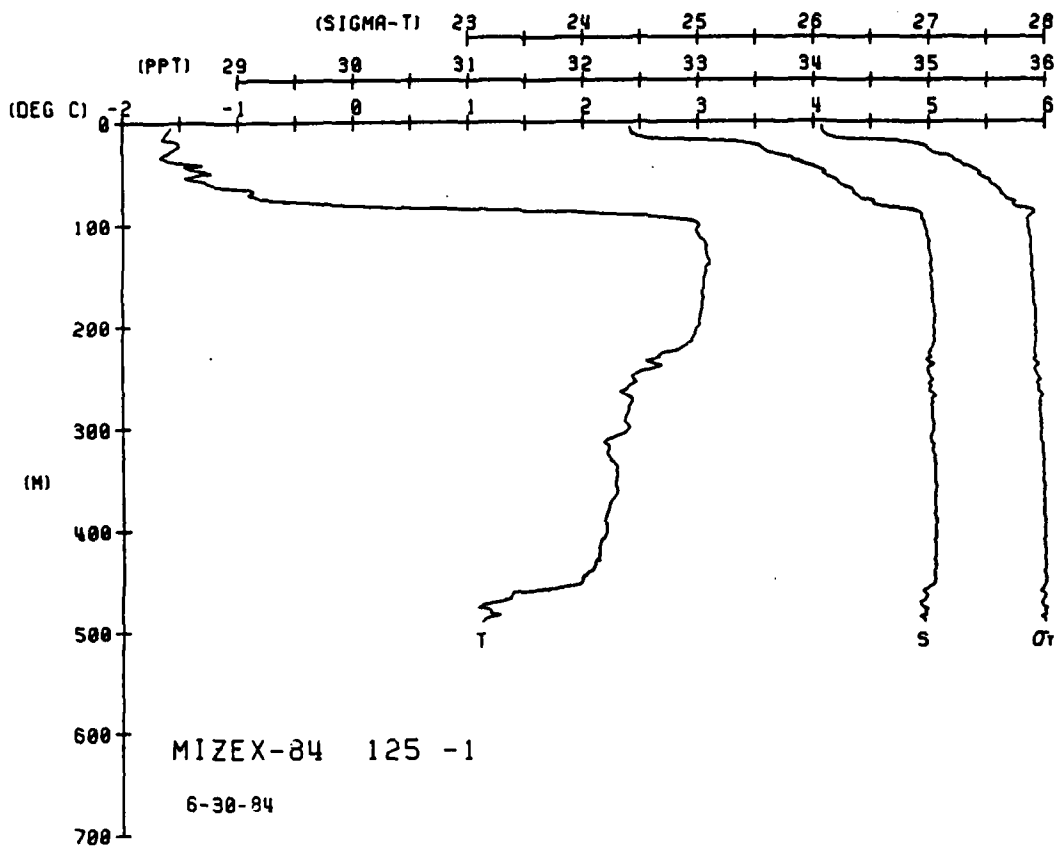




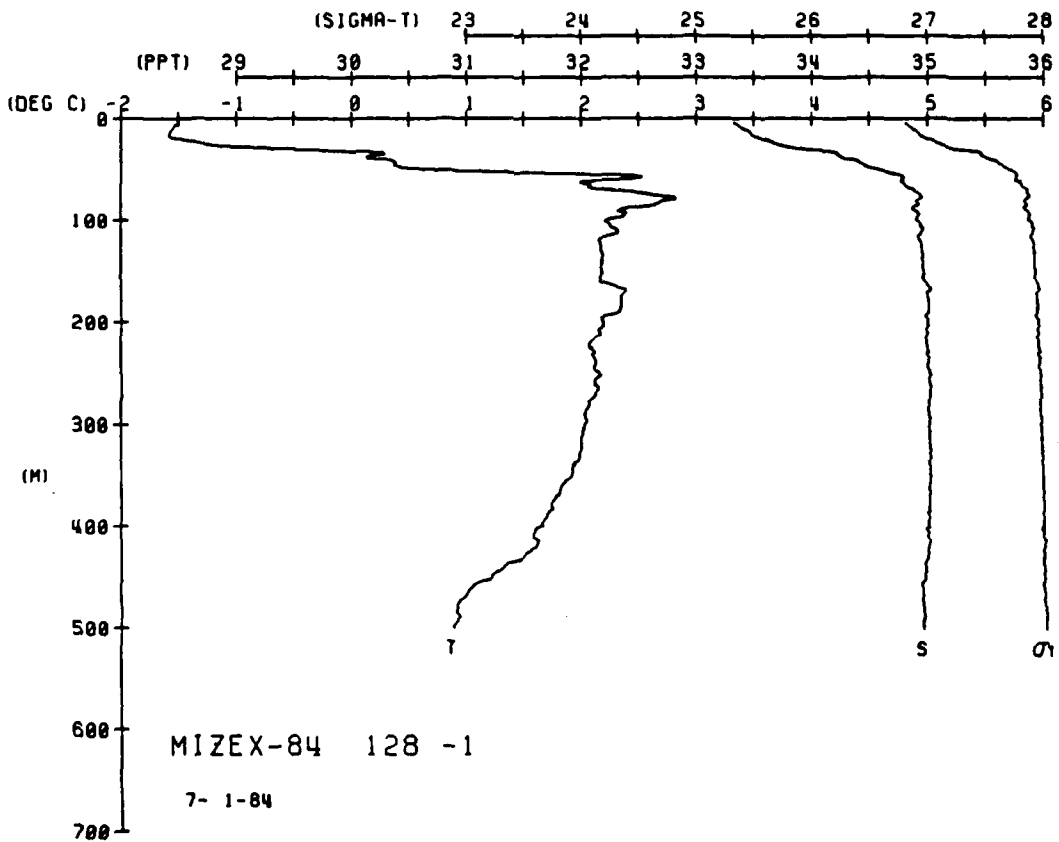
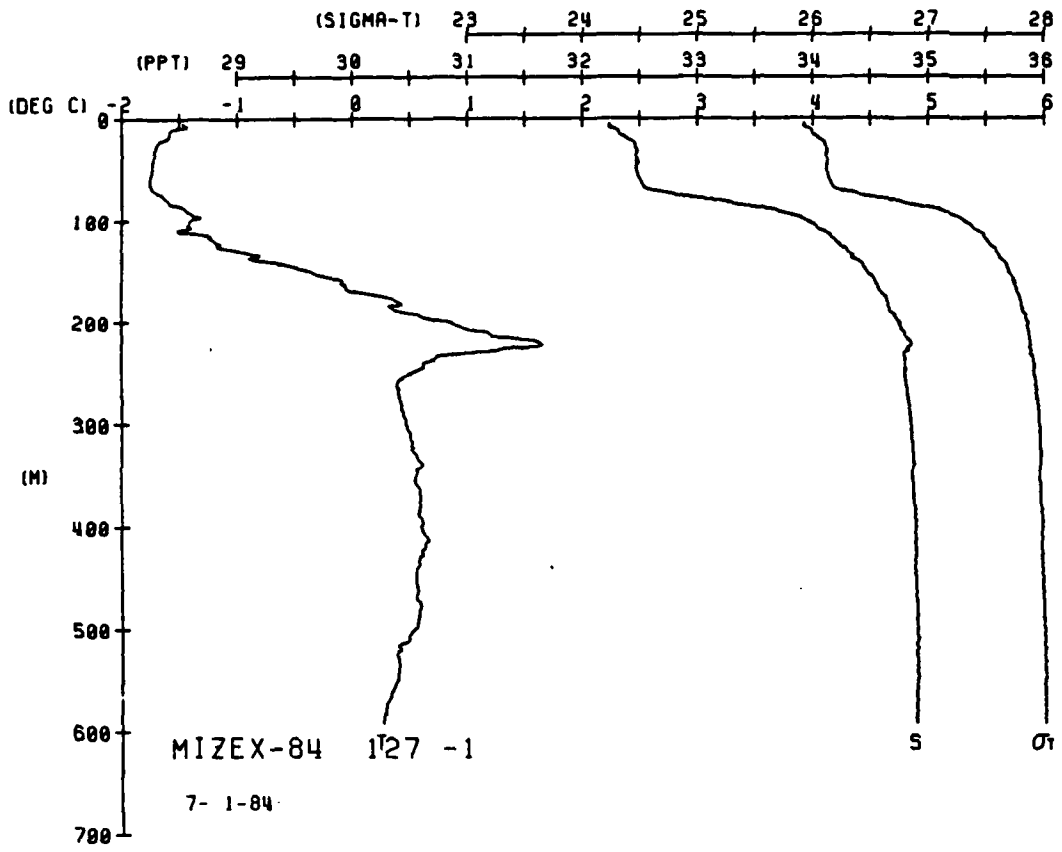






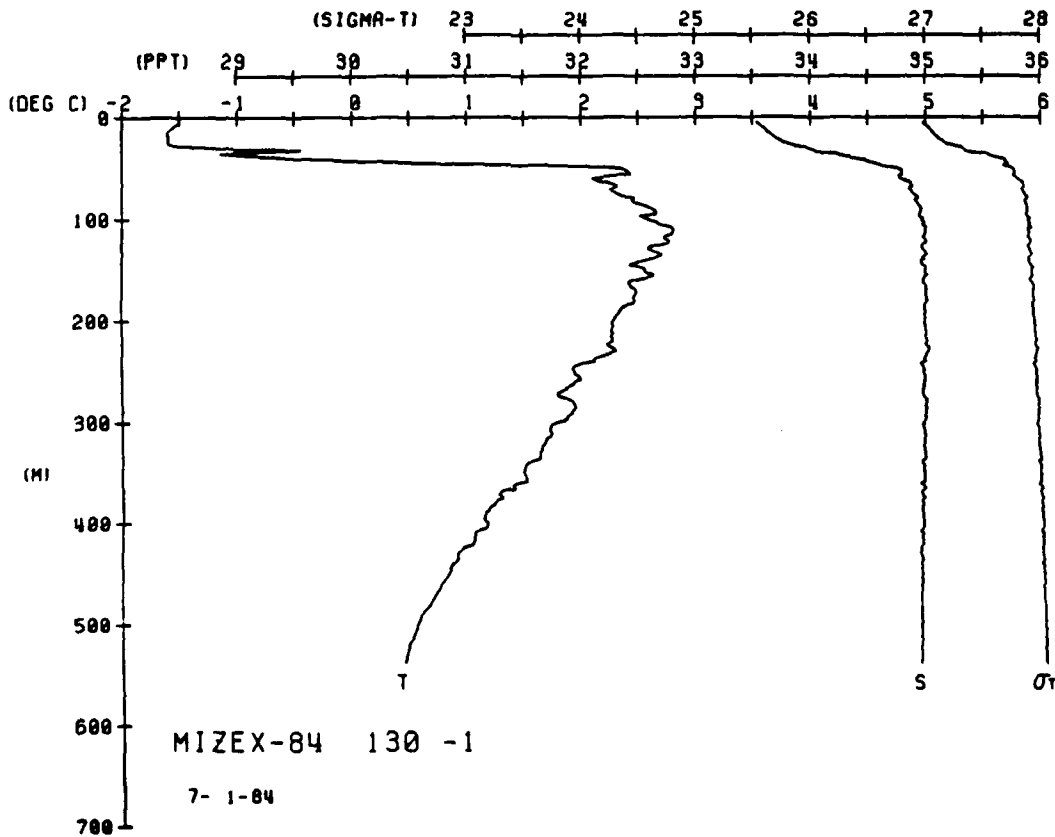
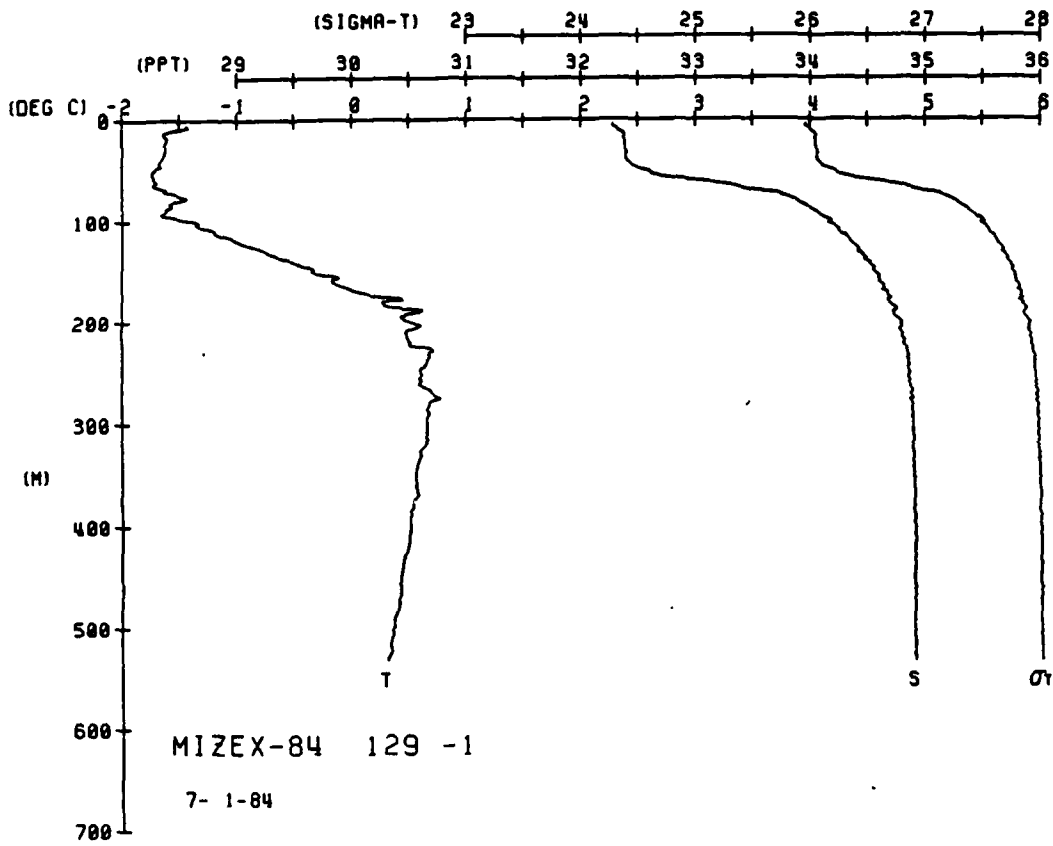




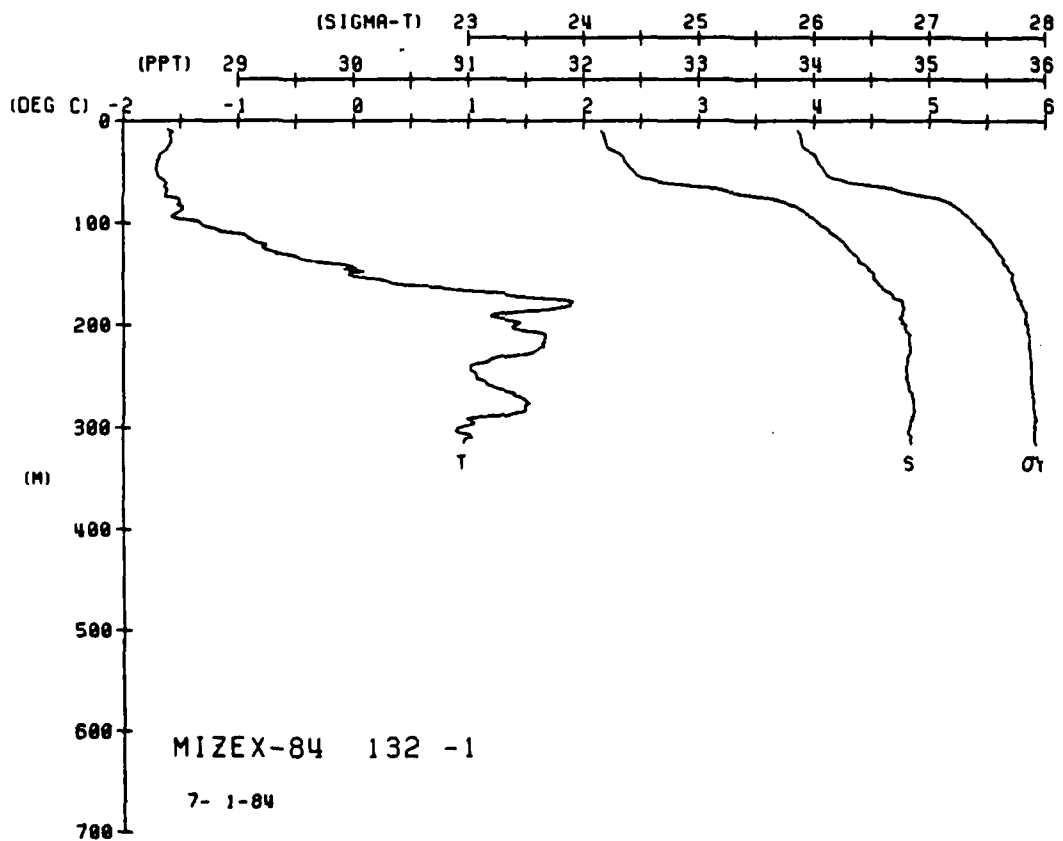
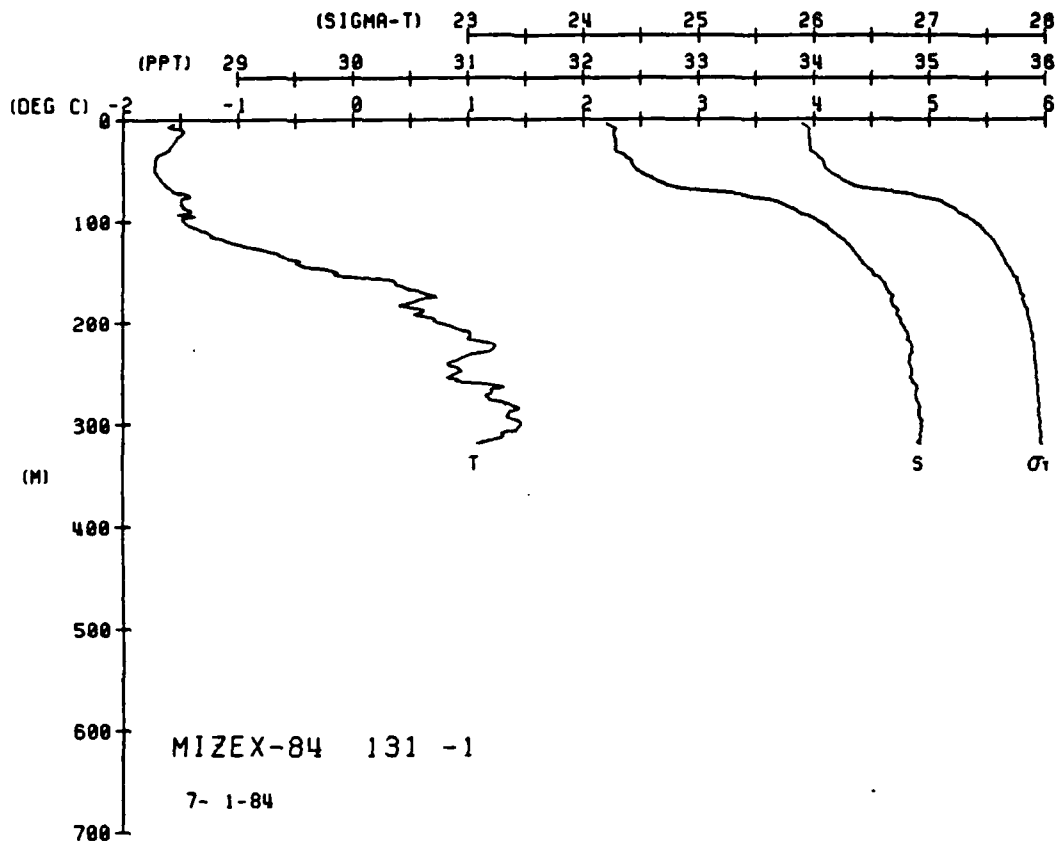










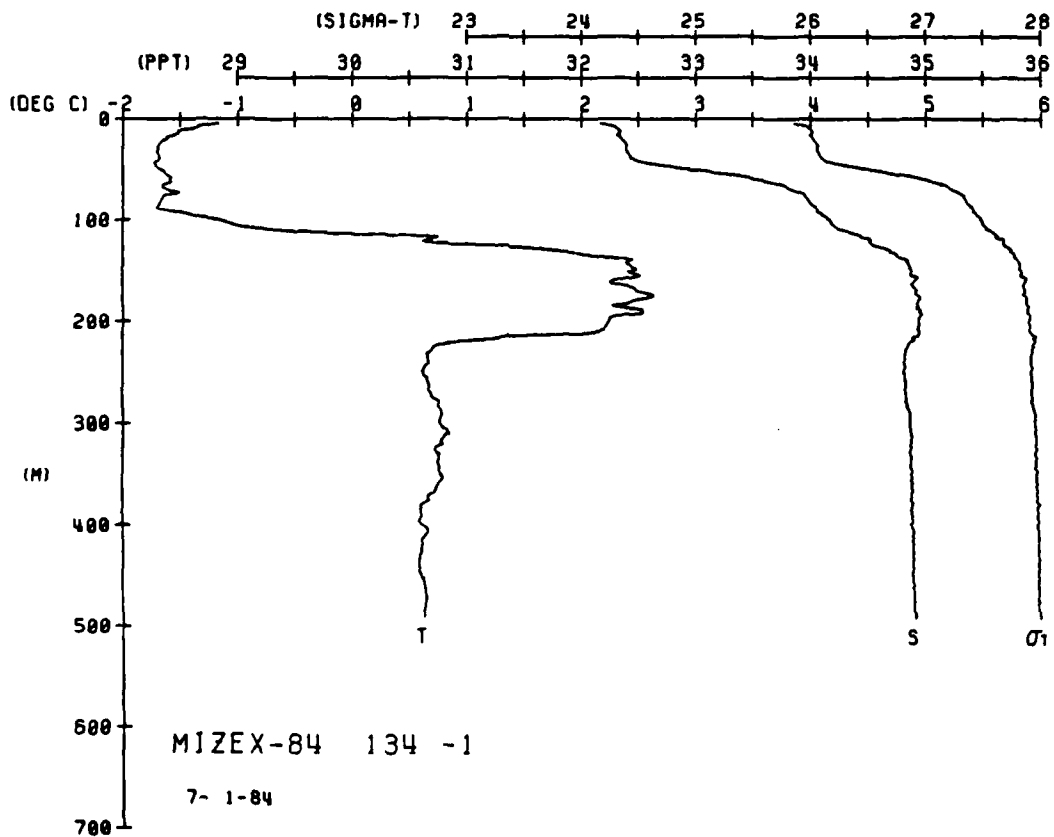
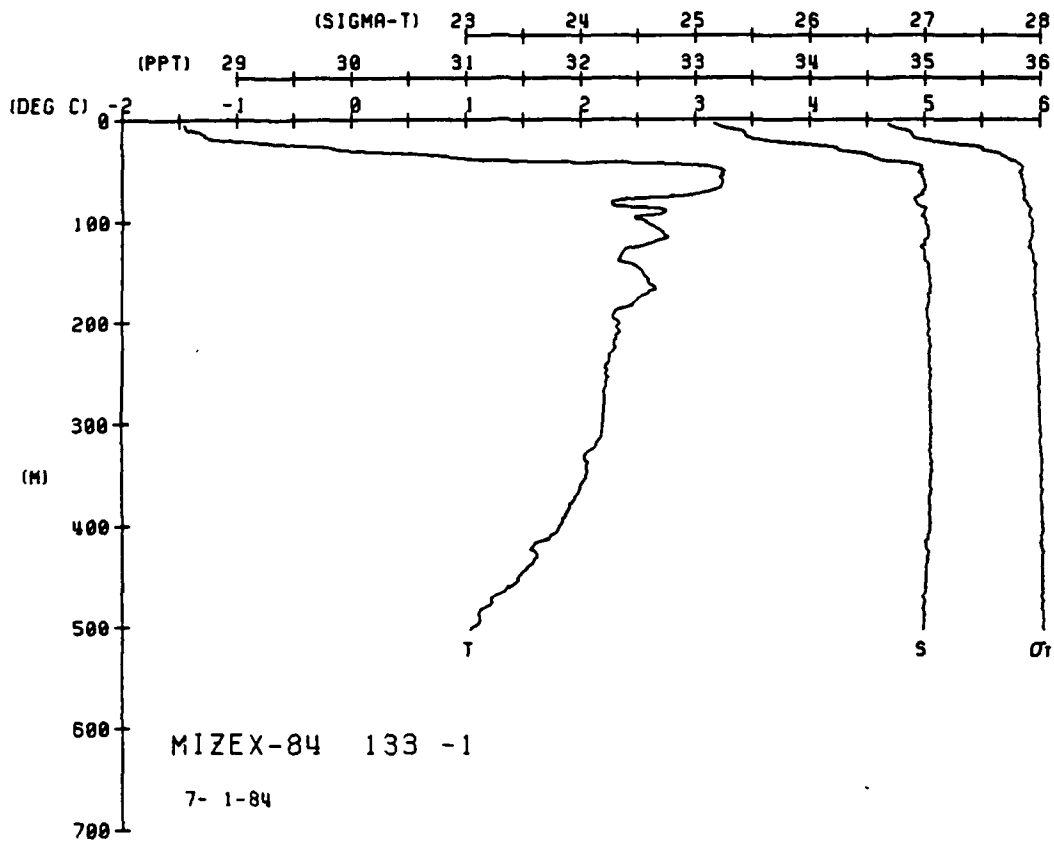


WIZEX-84 STATION 133(1) CTD 1/JUL/1984 1115 GMT CODE = 1  
LAI = 80.7000M LMG = 6.333E LGER = 150. LGER = 150.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

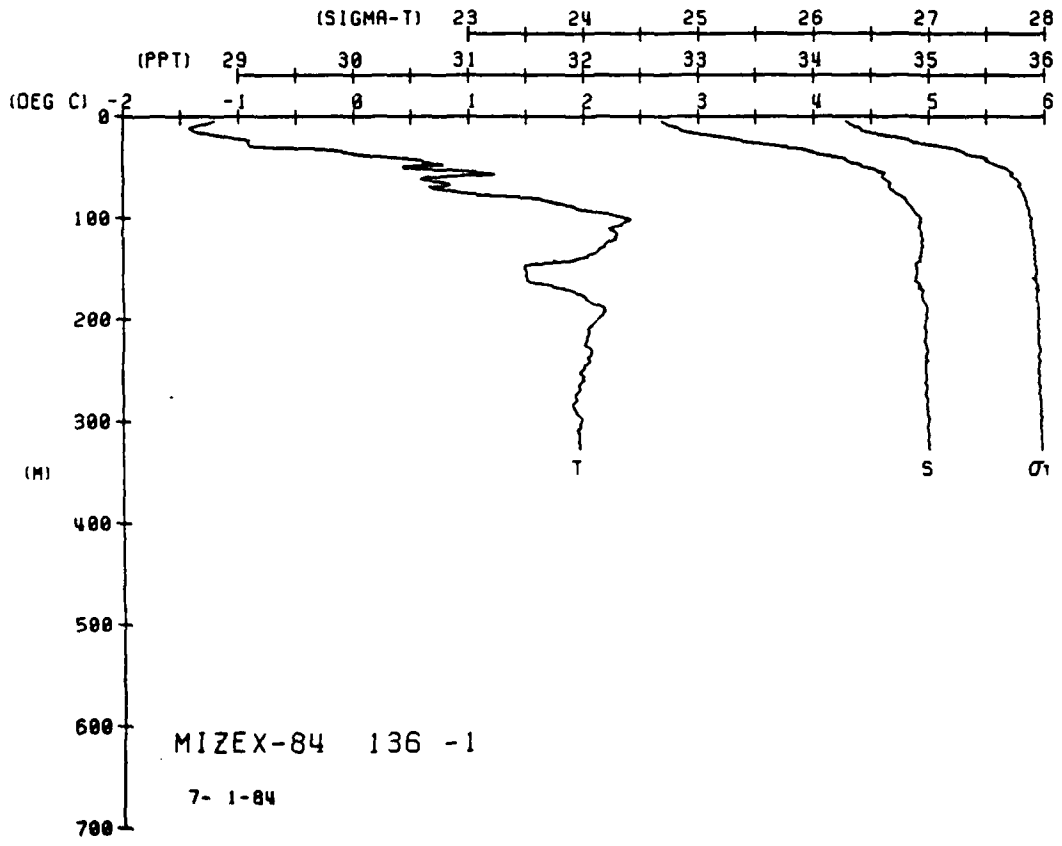
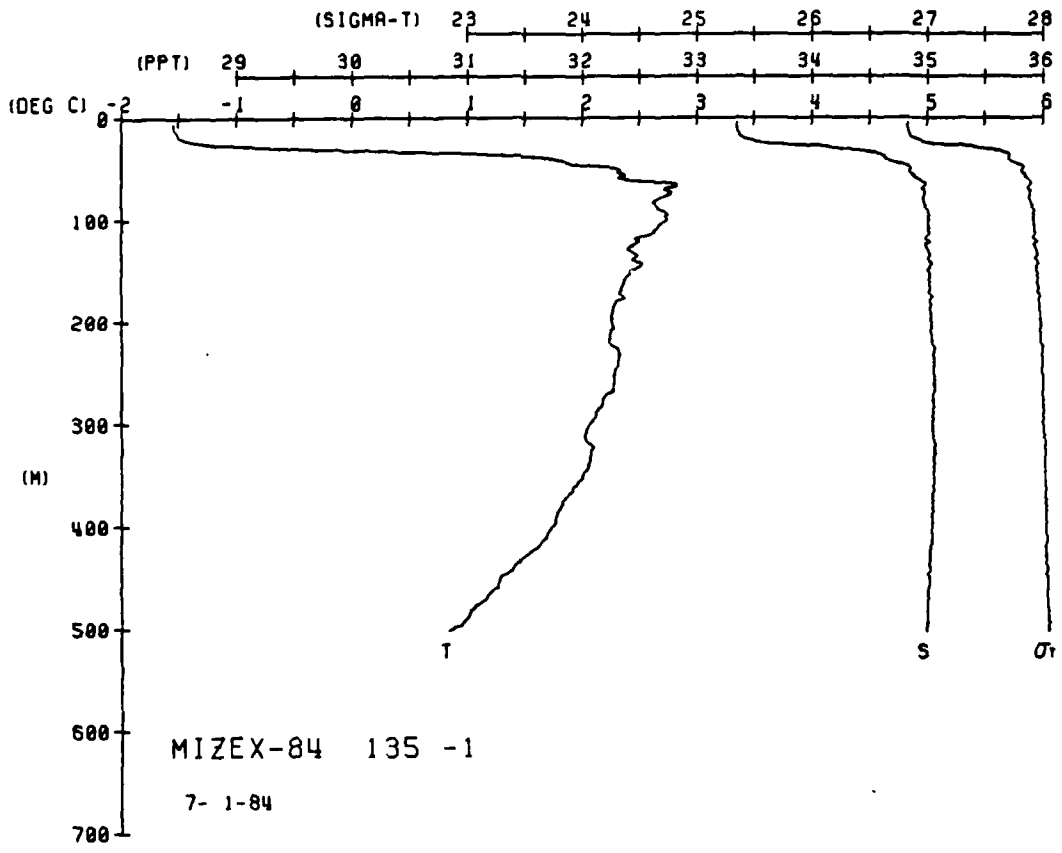
WIZEX-84 STATION 134(1) CTD 1/JUL/1984 1155 GMT CODE = 1  
LAI = 79.0583M LMG = 4.0667M LGER = 150. LGER = 150.  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
00	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
05	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
10	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
15	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
20	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
25	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
30	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
35	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
40	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
45	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
50	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
55	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
60	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
65	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
70	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
75	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
80	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
85	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
90	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
95	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
100	11.10	11.10	33.33	0.00	11.10	0.00	1440.00

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
00	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
05	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
10	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
15	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
20	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
25	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
30	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
35	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
40	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
45	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
50	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
55	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
60	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
65	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
70	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
75	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
80	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
85	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
90	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
95	11.10	11.10	33.33	0.00	11.10	0.00	1440.00
100	11.10	11.10	33.33	0.00	11.10	0.00	1440.00







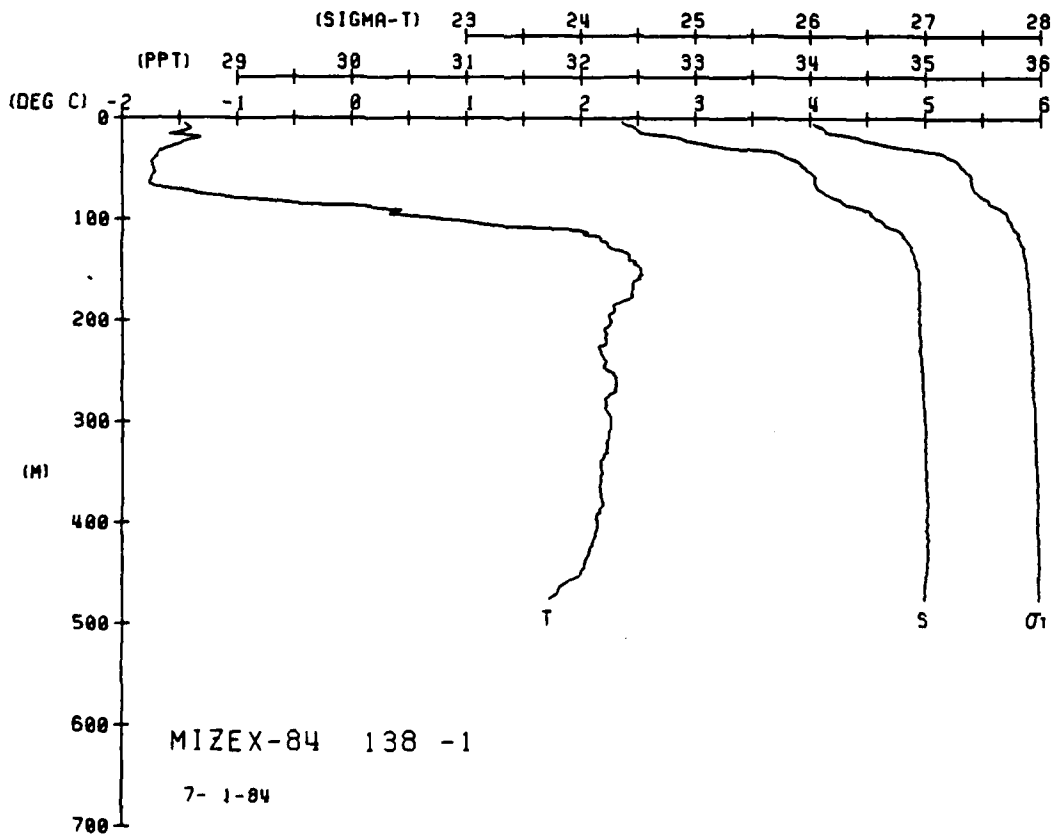
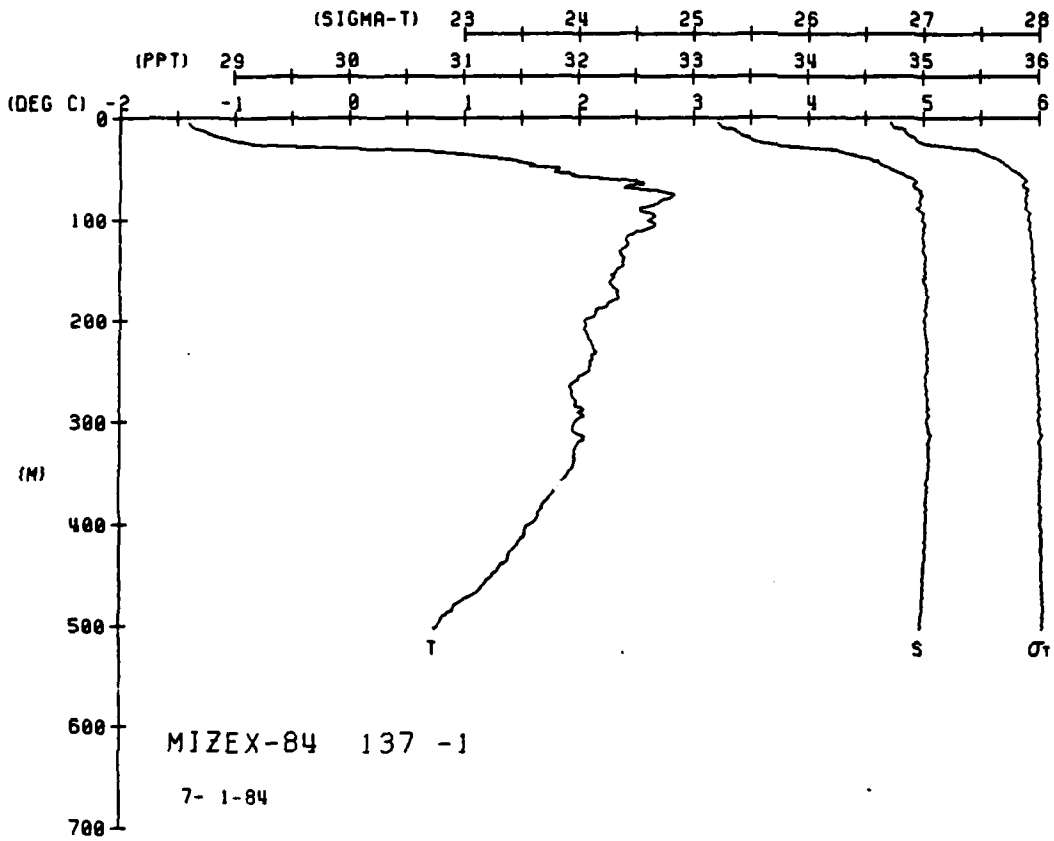


MIXE-84 STATION 138(1) CTD 1/JUL/1984 1345 GMT CUDE = 1  
LAT = 79.2083N LNC = 3.1883W LTER = 150. LGEN = 150.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

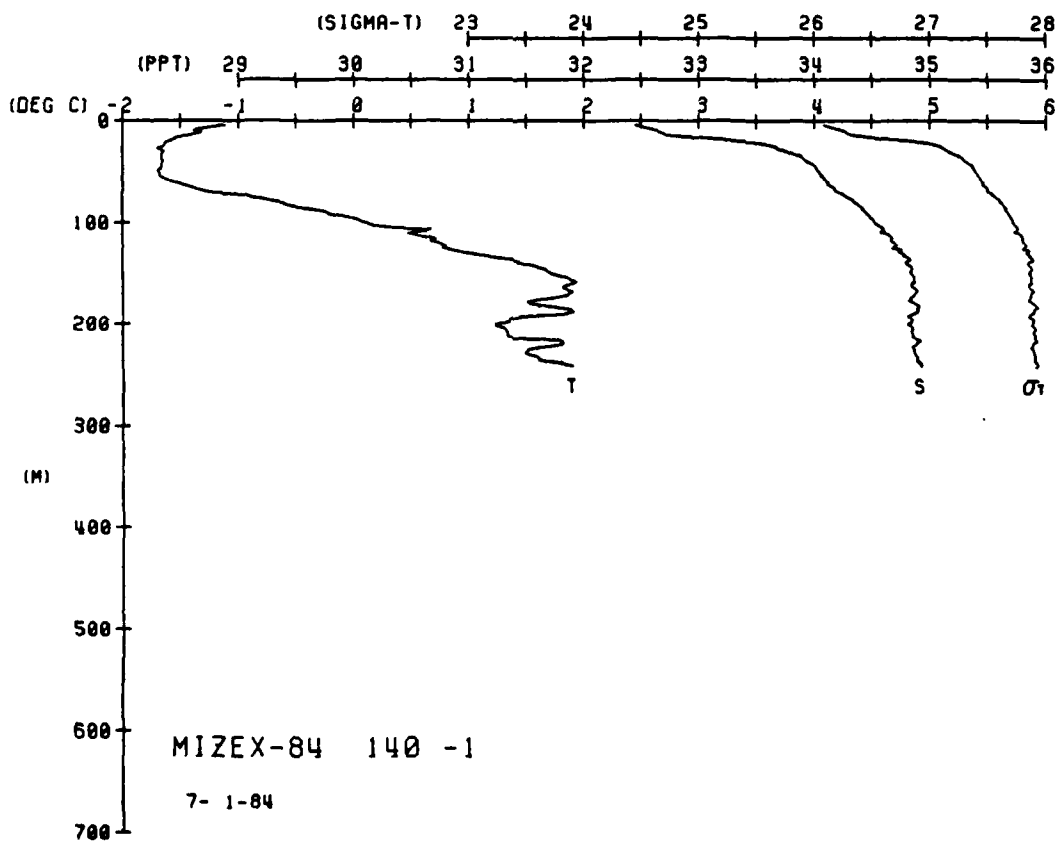
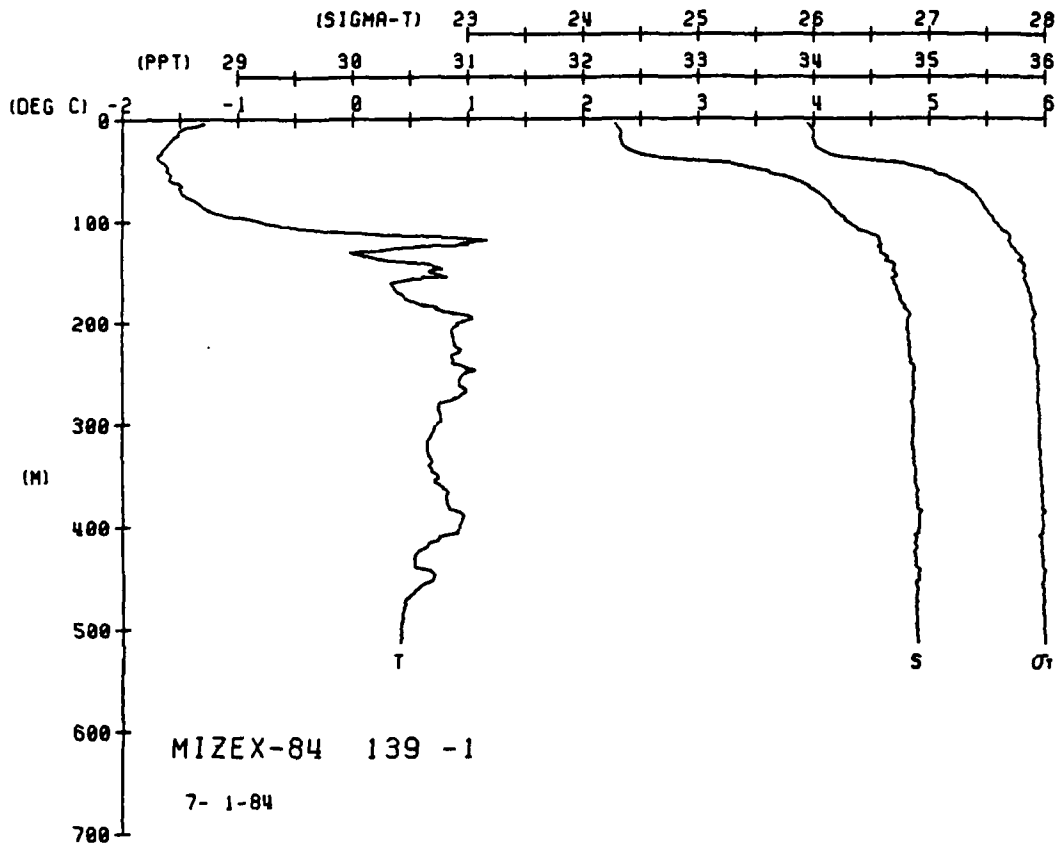
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DINH I	SOUND
0	33.50	33.50	33.50	11.11	1321	0000	9999
5	33.50	33.50	33.50	11.11	1321	0000	9999
10	33.50	33.50	33.50	11.11	1321	0000	9999
15	33.50	33.50	33.50	11.11	1321	0000	9999
20	33.50	33.50	33.50	11.11	1321	0000	9999
25	33.50	33.50	33.50	11.11	1321	0000	9999
30	33.50	33.50	33.50	11.11	1321	0000	9999
35	33.50	33.50	33.50	11.11	1321	0000	9999
40	33.50	33.50	33.50	11.11	1321	0000	9999
45	33.50	33.50	33.50	11.11	1321	0000	9999
50	33.50	33.50	33.50	11.11	1321	0000	9999
55	33.50	33.50	33.50	11.11	1321	0000	9999
60	33.50	33.50	33.50	11.11	1321	0000	9999
65	33.50	33.50	33.50	11.11	1321	0000	9999
70	33.50	33.50	33.50	11.11	1321	0000	9999
75	33.50	33.50	33.50	11.11	1321	0000	9999
80	33.50	33.50	33.50	11.11	1321	0000	9999
85	33.50	33.50	33.50	11.11	1321	0000	9999
90	33.50	33.50	33.50	11.11	1321	0000	9999
95	33.50	33.50	33.50	11.11	1321	0000	9999
100	33.50	33.50	33.50	11.11	1321	0000	9999

MIXE-84 STATION 137(1) CTD 1/JUL/1984 1253 GMT CODE = 1  
LAT = 80.3333N LNC = 4.7000E LTER = 150. LGEN = 150.  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

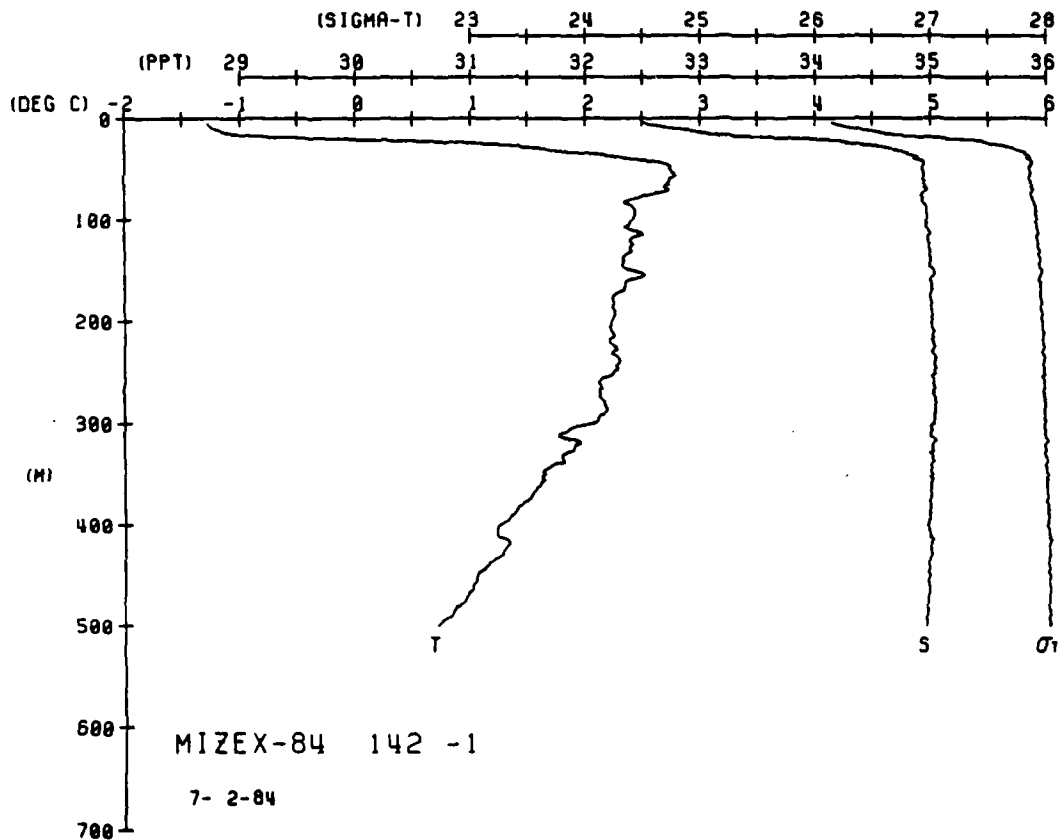
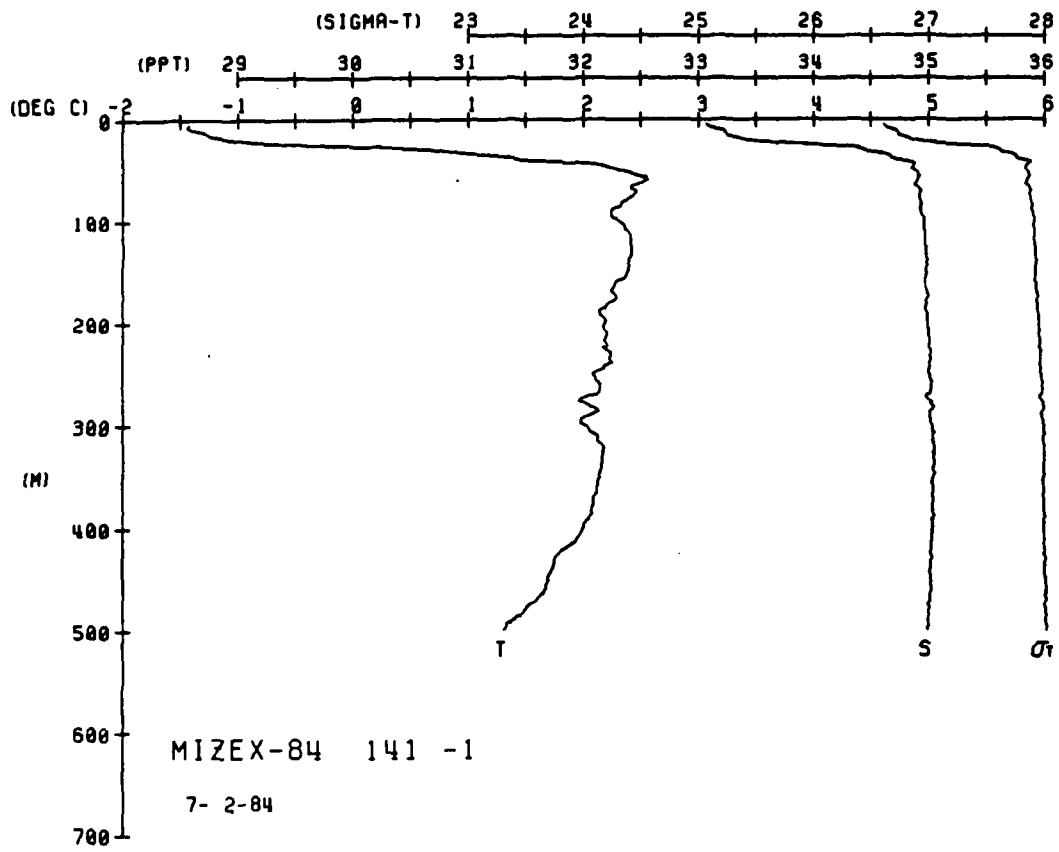
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DINH I	SOUND
0	33.50	33.50	33.50	11.11	1321	0000	9999
5	33.50	33.50	33.50	11.11	1321	0000	9999
10	33.50	33.50	33.50	11.11	1321	0000	9999
15	33.50	33.50	33.50	11.11	1321	0000	9999
20	33.50	33.50	33.50	11.11	1321	0000	9999
25	33.50	33.50	33.50	11.11	1321	0000	9999
30	33.50	33.50	33.50	11.11	1321	0000	9999
35	33.50	33.50	33.50	11.11	1321	0000	9999
40	33.50	33.50	33.50	11.11	1321	0000	9999
45	33.50	33.50	33.50	11.11	1321	0000	9999
50	33.50	33.50	33.50	11.11	1321	0000	9999
55	33.50	33.50	33.50	11.11	1321	0000	9999
60	33.50	33.50	33.50	11.11	1321	0000	9999
65	33.50	33.50	33.50	11.11	1321	0000	9999
70	33.50	33.50	33.50	11.11	1321	0000	9999
75	33.50	33.50	33.50	11.11	1321	0000	9999
80	33.50	33.50	33.50	11.11	1321	0000	9999
85	33.50	33.50	33.50	11.11	1321	0000	9999
90	33.50	33.50	33.50	11.11	1321	0000	9999
95	33.50	33.50	33.50	11.11	1321	0000	9999
100	33.50	33.50	33.50	11.11	1321	0000	9999



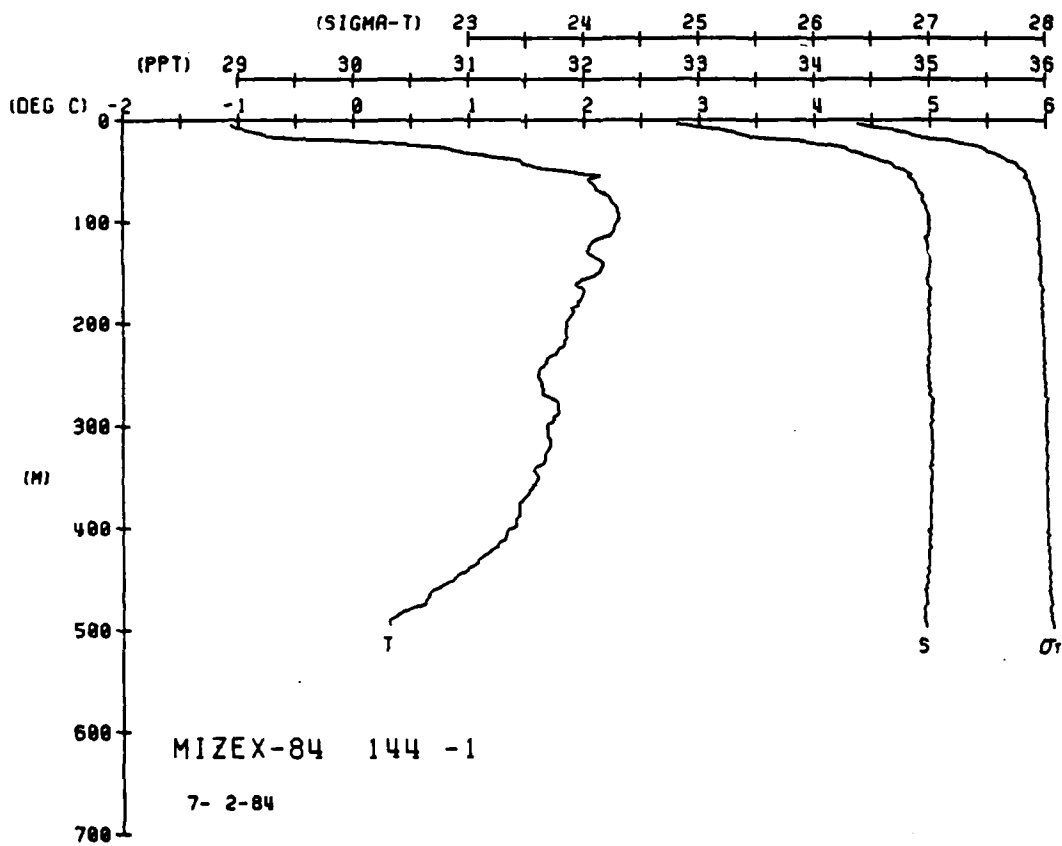
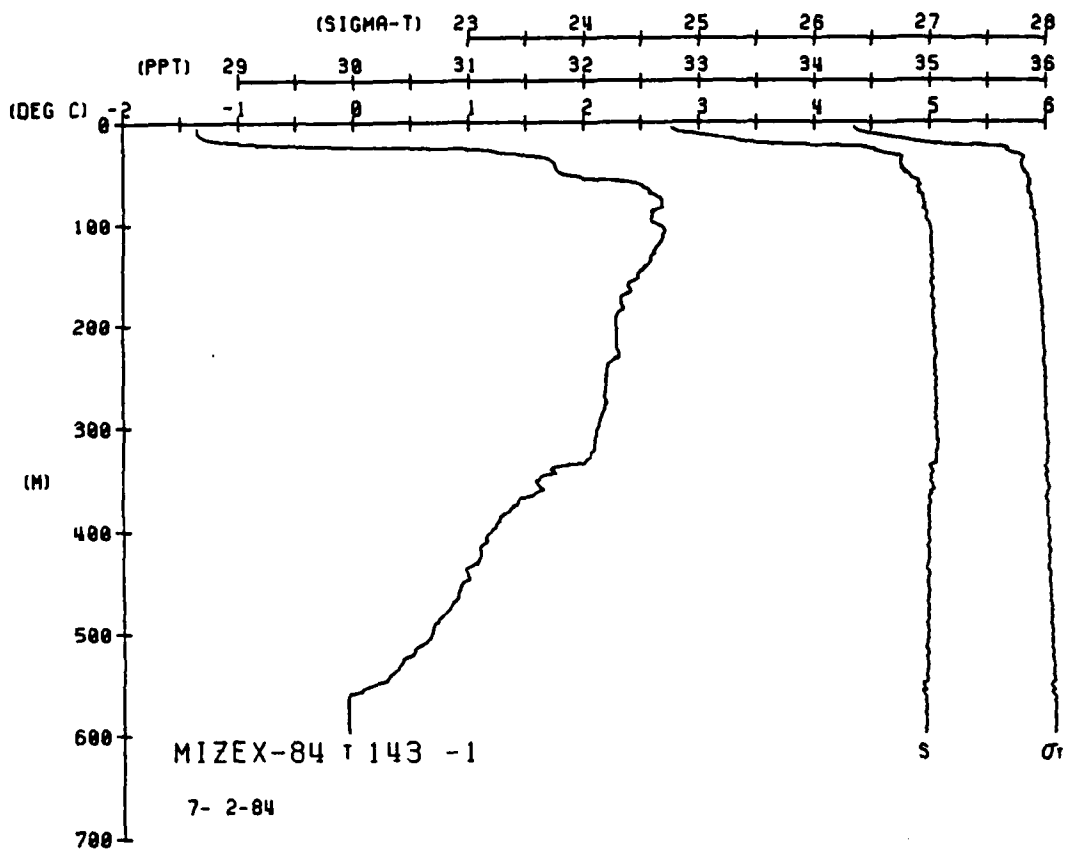






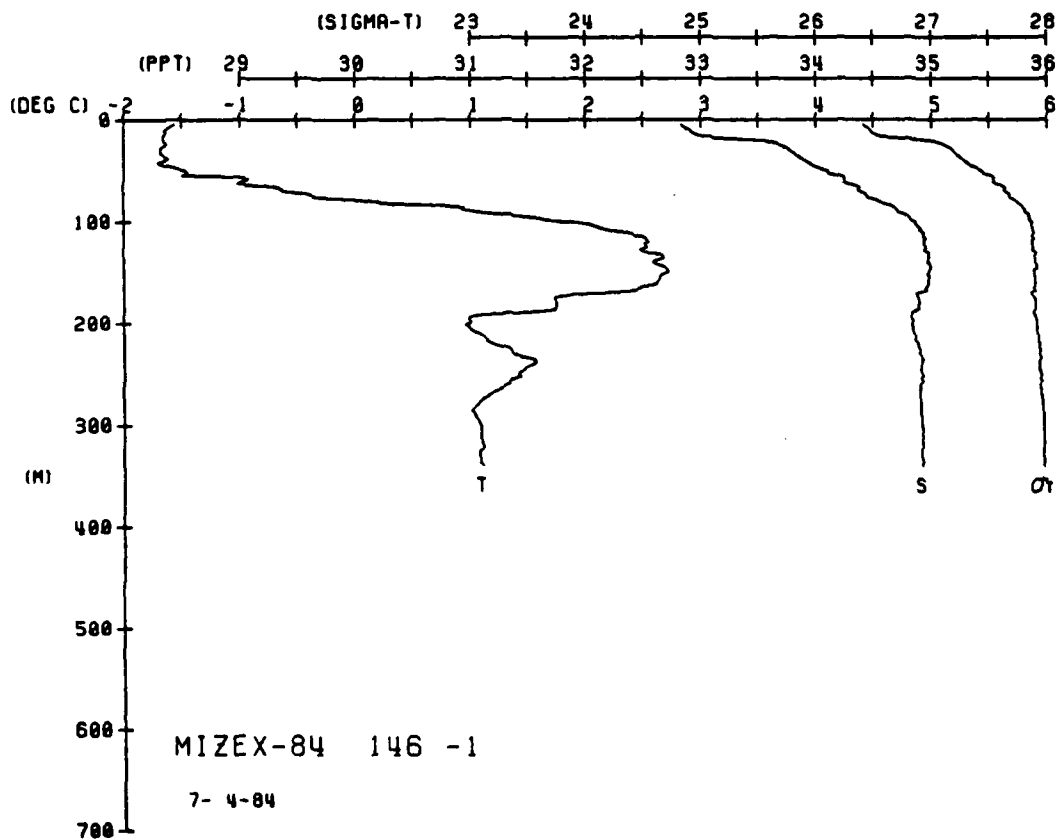
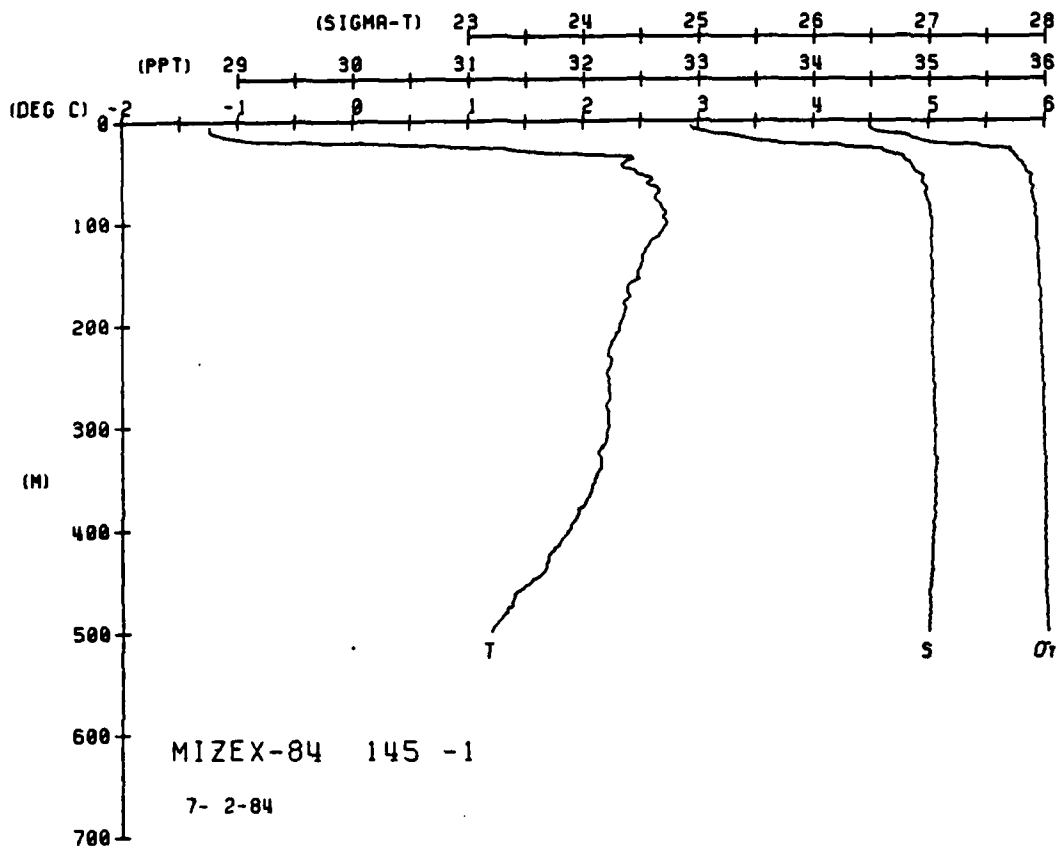




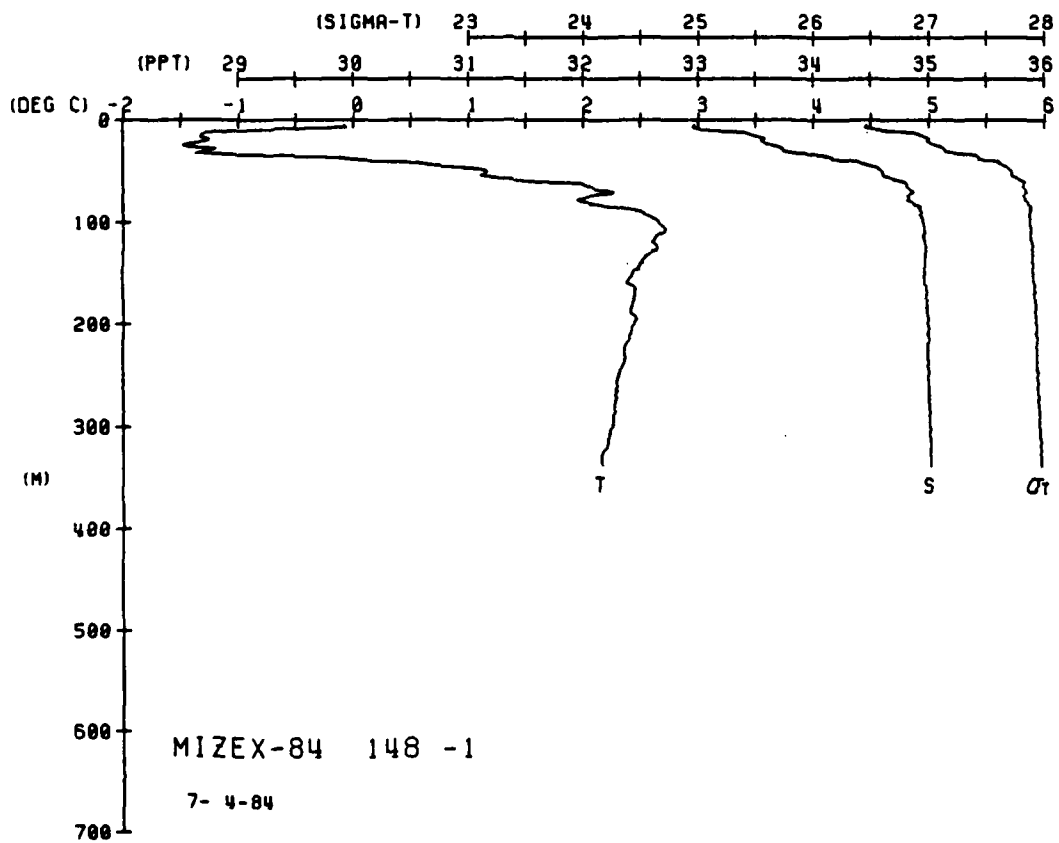
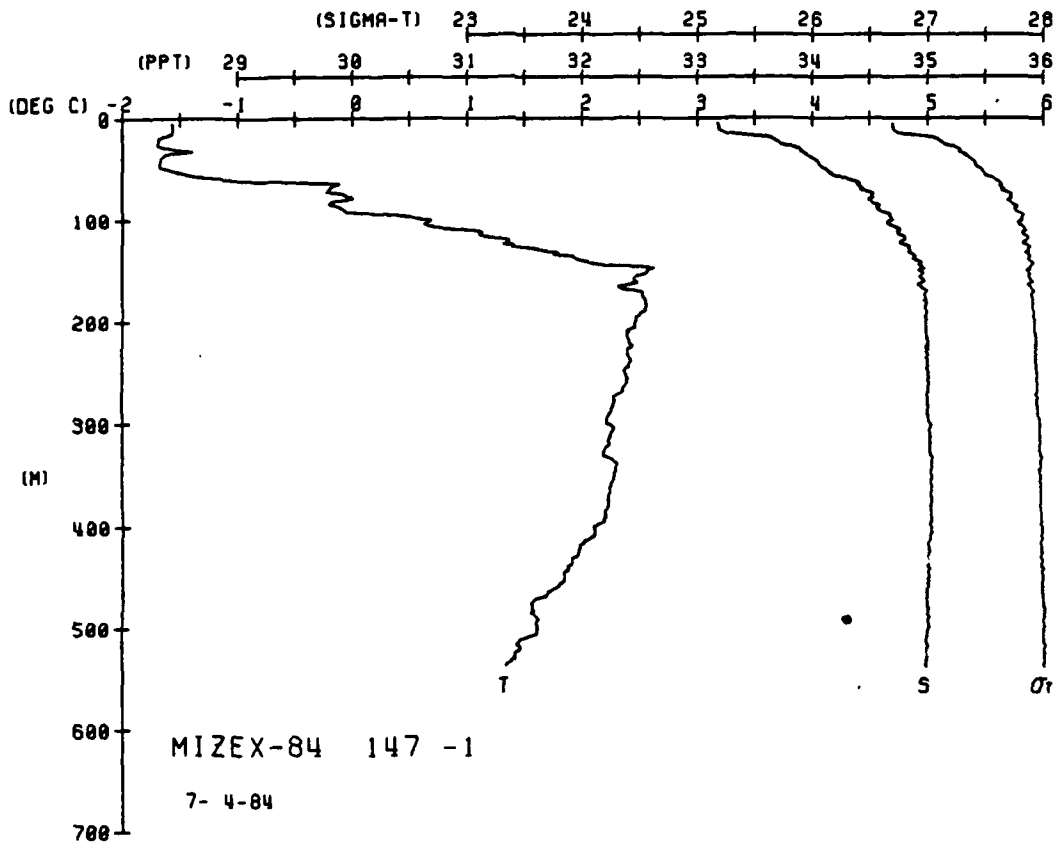




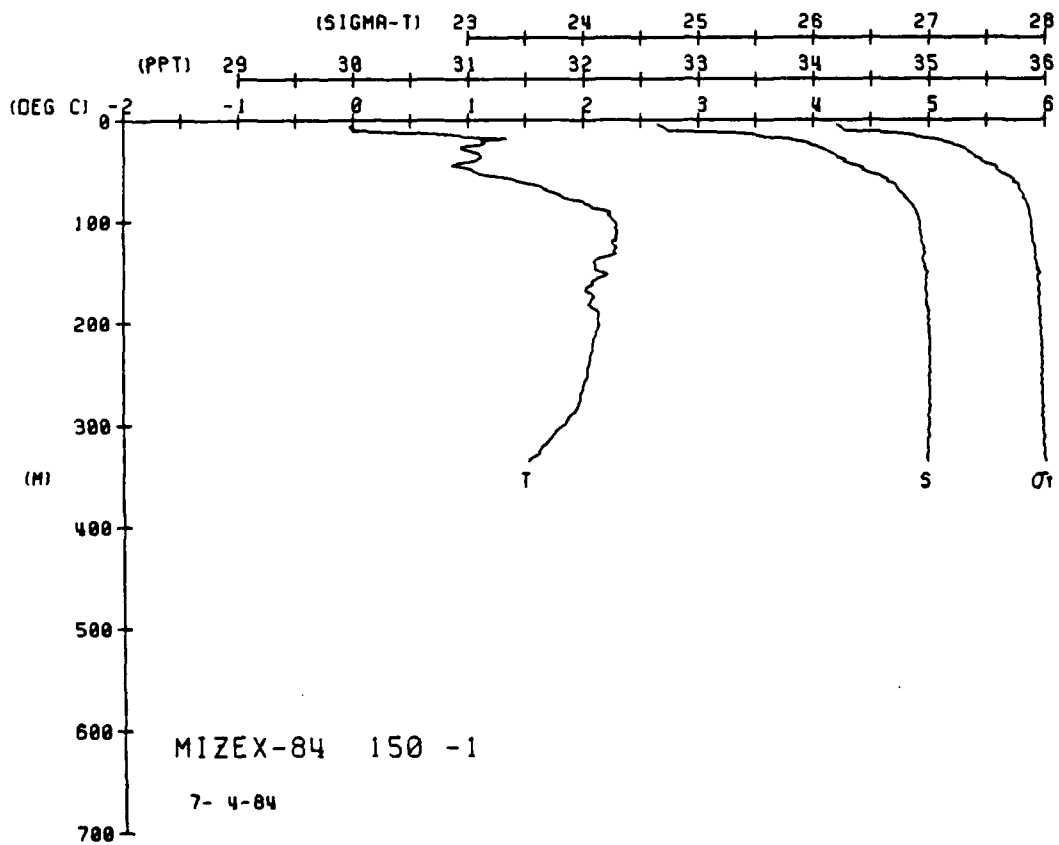
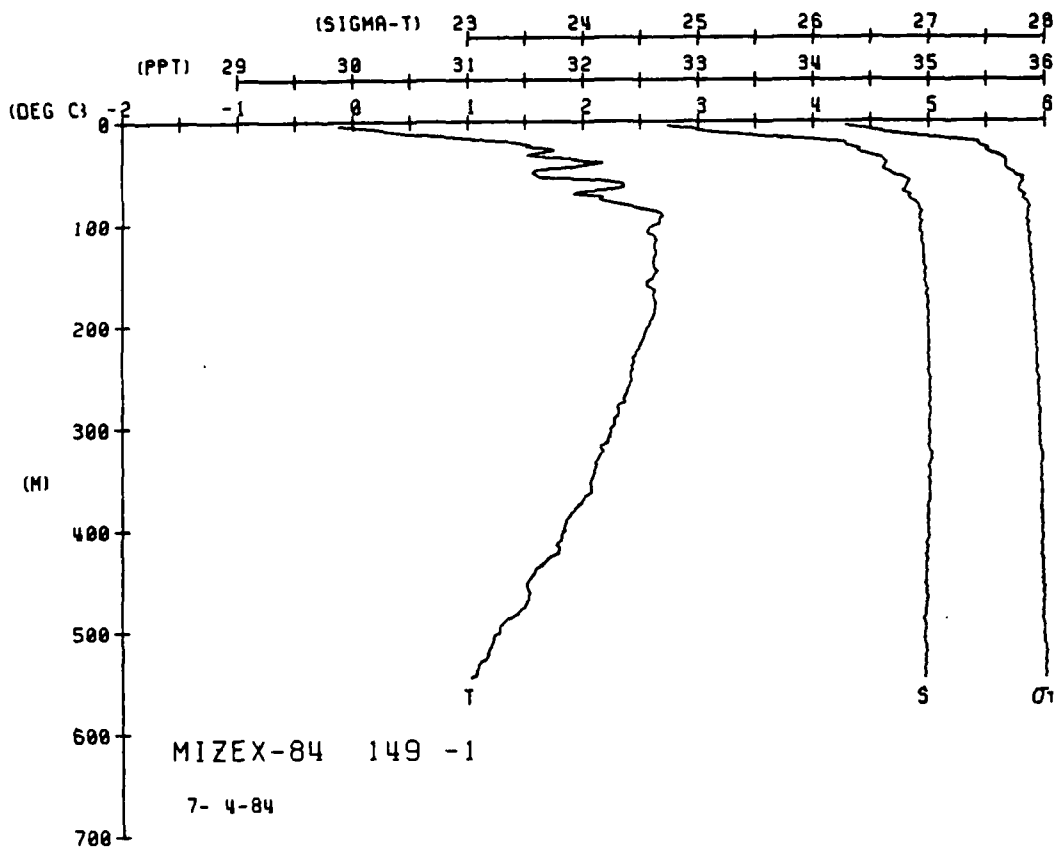




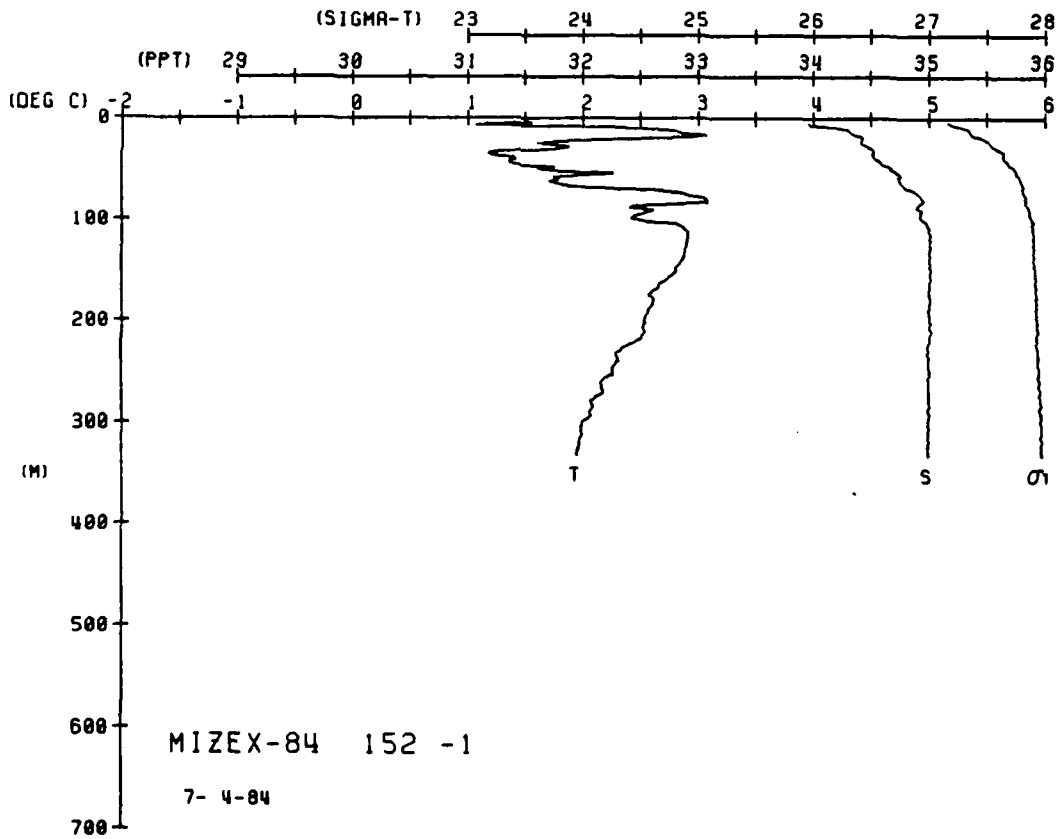
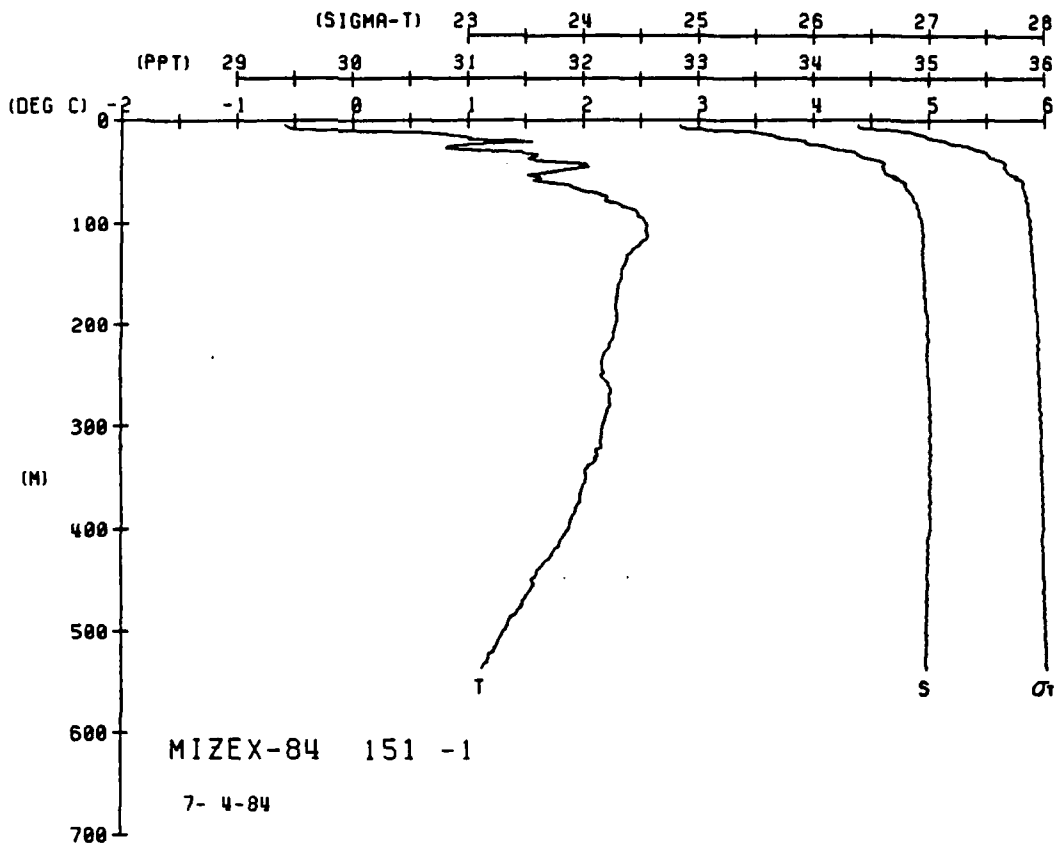












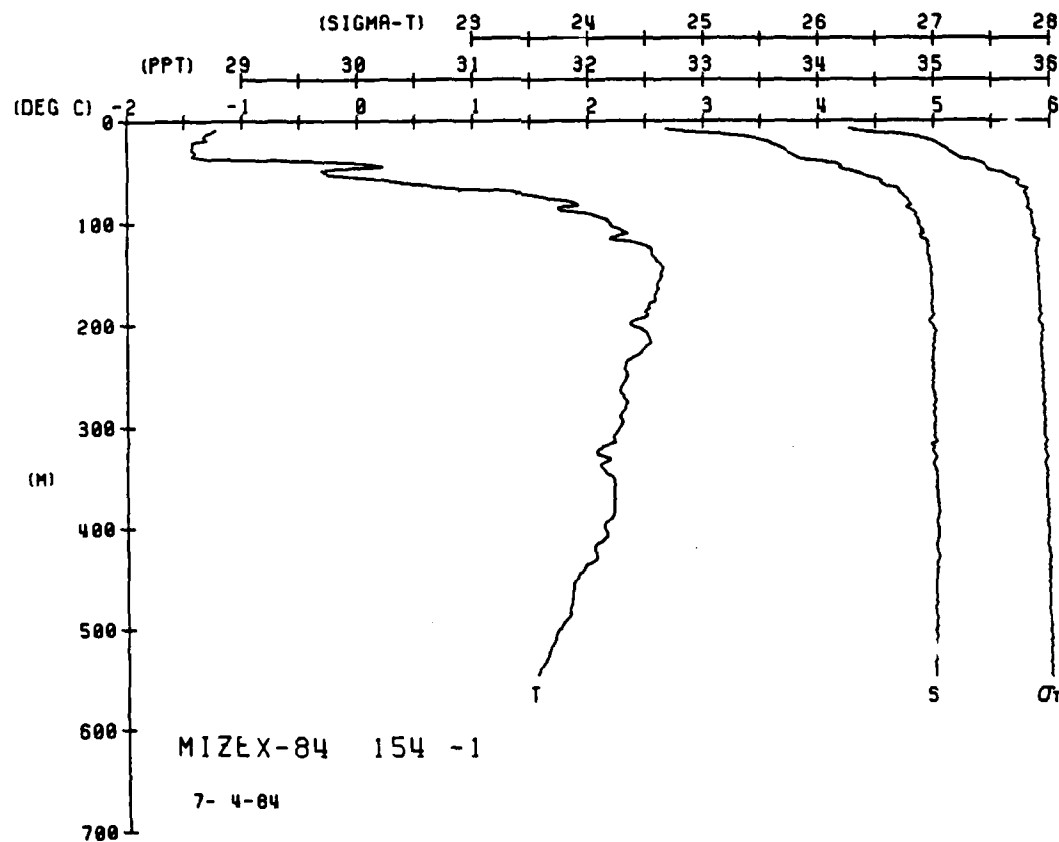
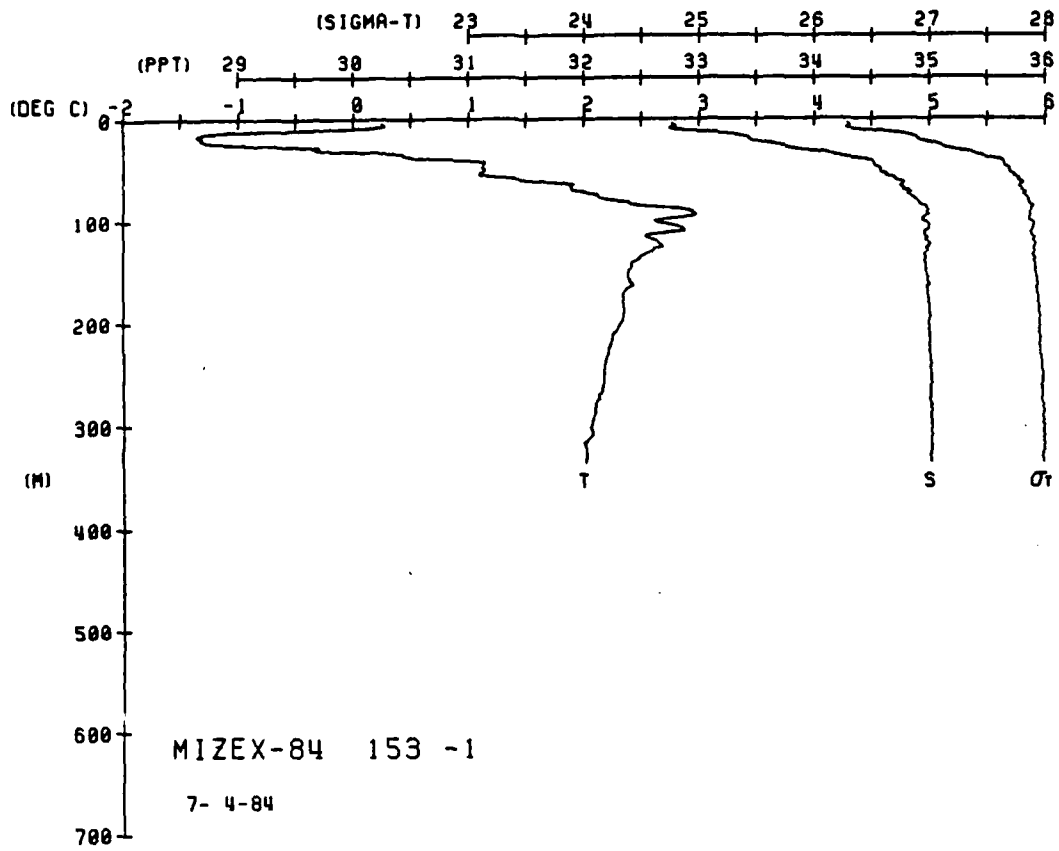


MIXA-84 STATION 153(1) CTU 4/JUL/1984 1400 GMT CODE = 1  
LAT = 80.2217N LNC = 1.8700E LTR = 300. LGER = 300.  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

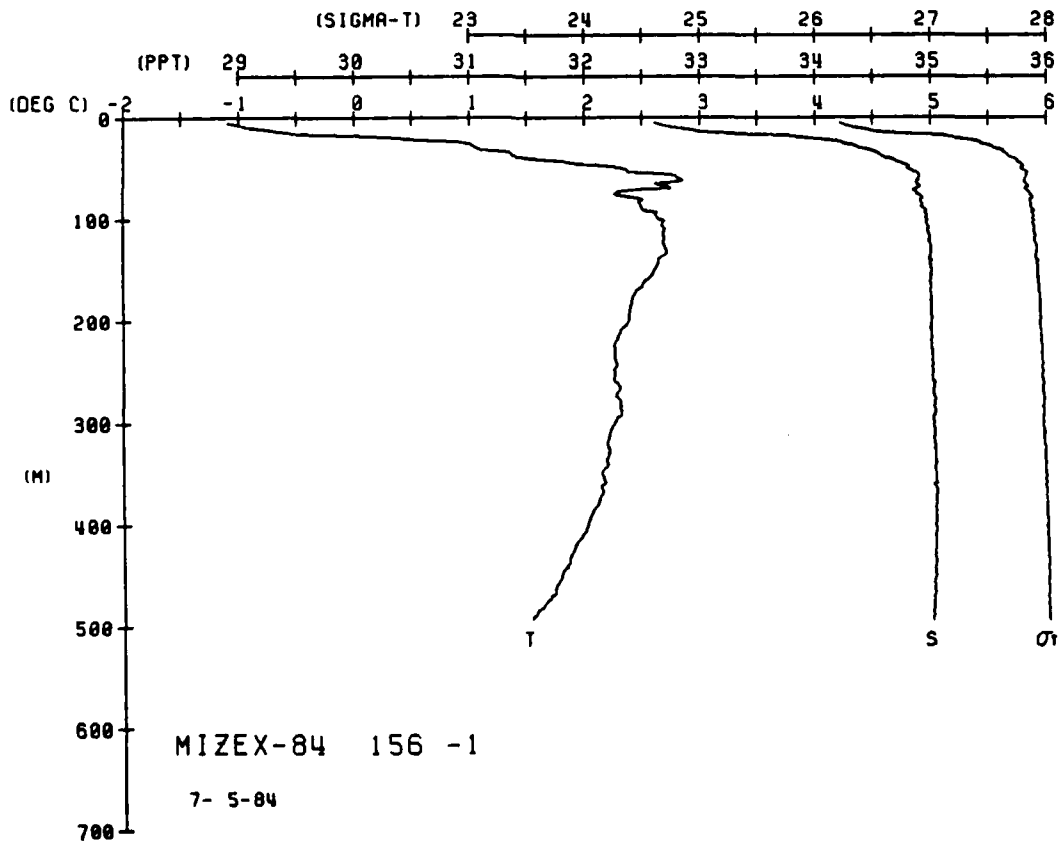
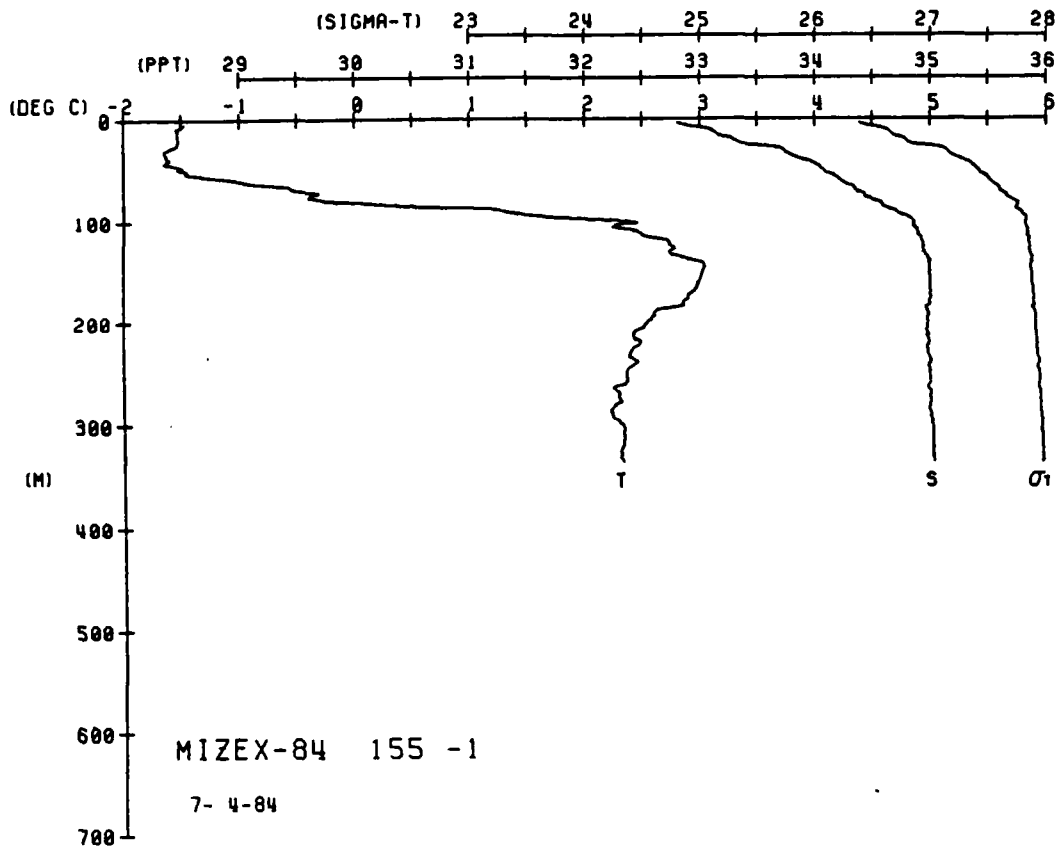
DEPTH	TEMP	PIEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
00	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00
105	00	00	00	00	00	00	00
110	00	00	00	00	00	00	00
115	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00
125	00	00	00	00	00	00	00
130	00	00	00	00	00	00	00
135	00	00	00	00	00	00	00
140	00	00	00	00	00	00	00
145	00	00	00	00	00	00	00
150	00	00	00	00	00	00	00
155	00	00	00	00	00	00	00
160	00	00	00	00	00	00	00
165	00	00	00	00	00	00	00
170	00	00	00	00	00	00	00
175	00	00	00	00	00	00	00
180	00	00	00	00	00	00	00
185	00	00	00	00	00	00	00
190	00	00	00	00	00	00	00
195	00	00	00	00	00	00	00
200	00	00	00	00	00	00	00
205	00	00	00	00	00	00	00
210	00	00	00	00	00	00	00
215	00	00	00	00	00	00	00
220	00	00	00	00	00	00	00
225	00	00	00	00	00	00	00
230	00	00	00	00	00	00	00
235	00	00	00	00	00	00	00
240	00	00	00	00	00	00	00
245	00	00	00	00	00	00	00
250	00	00	00	00	00	00	00
255	00	00	00	00	00	00	00
260	00	00	00	00	00	00	00
265	00	00	00	00	00	00	00
270	00	00	00	00	00	00	00
275	00	00	00	00	00	00	00
280	00	00	00	00	00	00	00
285	00	00	00	00	00	00	00
290	00	00	00	00	00	00	00
295	00	00	00	00	00	00	00
300	00	00	00	00	00	00	00

MIXA-84 STATION 154(1) CTU 4/JUL/1984 1334 UTC CODE = 1  
LAT = 80.1983N LNC = 1.2000E LTR = 300. LGER = 300.  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PIEMP	SALIN	SIG T	SPVOL	DYHMT	SOUND
00	00	00	00	00	00	00	00
05	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00
45	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00
55	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00
65	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00
75	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00
85	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00
95	00	00	00	00	00	00	00
100	00	00	00	00	00	00	00
105	00	00	00	00	00	00	00
110	00	00	00	00	00	00	00
115	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00
125	00	00	00	00	00	00	00
130	00	00	00	00	00	00	00
135	00	00	00	00	00	00	00
140	00	00	00	00	00	00	00
145	00	00	00	00	00	00	00
150	00	00	00	00	00	00	00
155	00	00	00	00	00	00	00
160	00	00	00	00	00	00	00
165	00	00	00	00	00	00	00
170	00	00	00	00	00	00	00
175	00	00	00	00	00	00	00
180	00	00	00	00	00	00	00
185	00	00	00	00	00	00	00
190	00	00	00	00	00	00	00
195	00	00	00	00	00	00	00
200	00	00	00	00	00	00	00
205	00	00	00	00	00	00	00
210	00	00	00	00	00	00	00
215	00	00	00	00	00	00	00
220	00	00	00	00	00	00	00
225	00	00	00	00	00	00	00
230	00	00	00	00	00	00	00
235	00	00	00	00	00	00	00
240	00	00	00	00	00	00	00
245	00	00	00	00	00	00	00
250	00	00	00	00	00	00	00
255	00	00	00	00	00	00	00
260	00	00	00	00	00	00	00
265	00	00	00	00	00	00	00
270	00	00	00	00	00	00	00
275	00	00	00	00	00	00	00
280	00	00	00	00	00	00	00
285	00	00	00	00	00	00	00
290	00	00	00	00	00	00	00
295	00	00	00	00	00	00	00
300	00	00	00	00	00	00	00





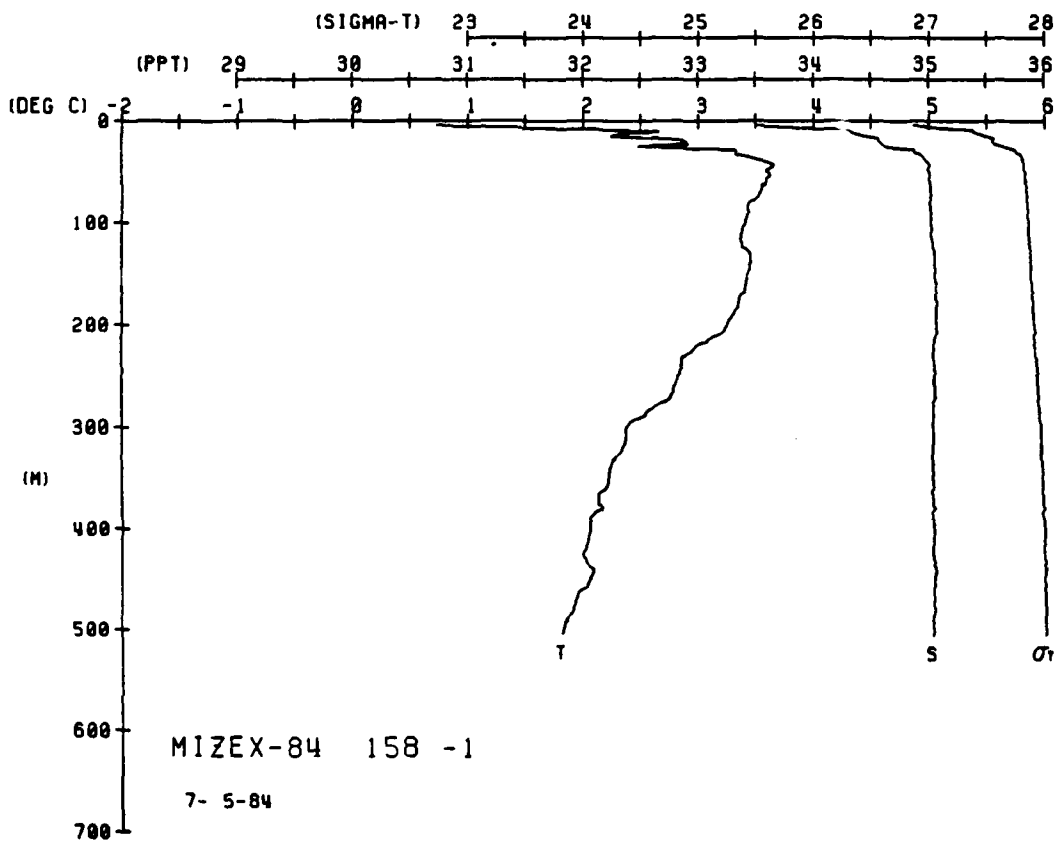
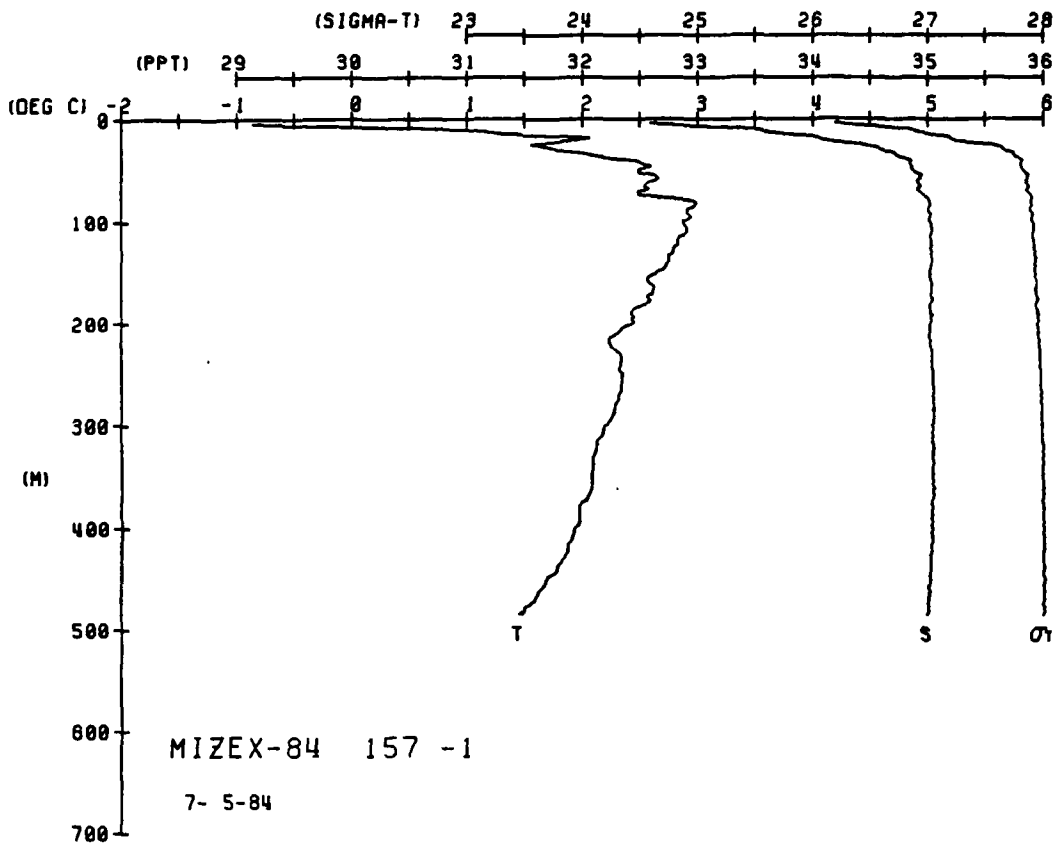


MISX-84 STATION 159(1) CTD 5/JUL/1984 1132 GMT CODE = 1  
 LAT = 80.217N LMC = 4.4383E LTKR = 300. LGR = 300.  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

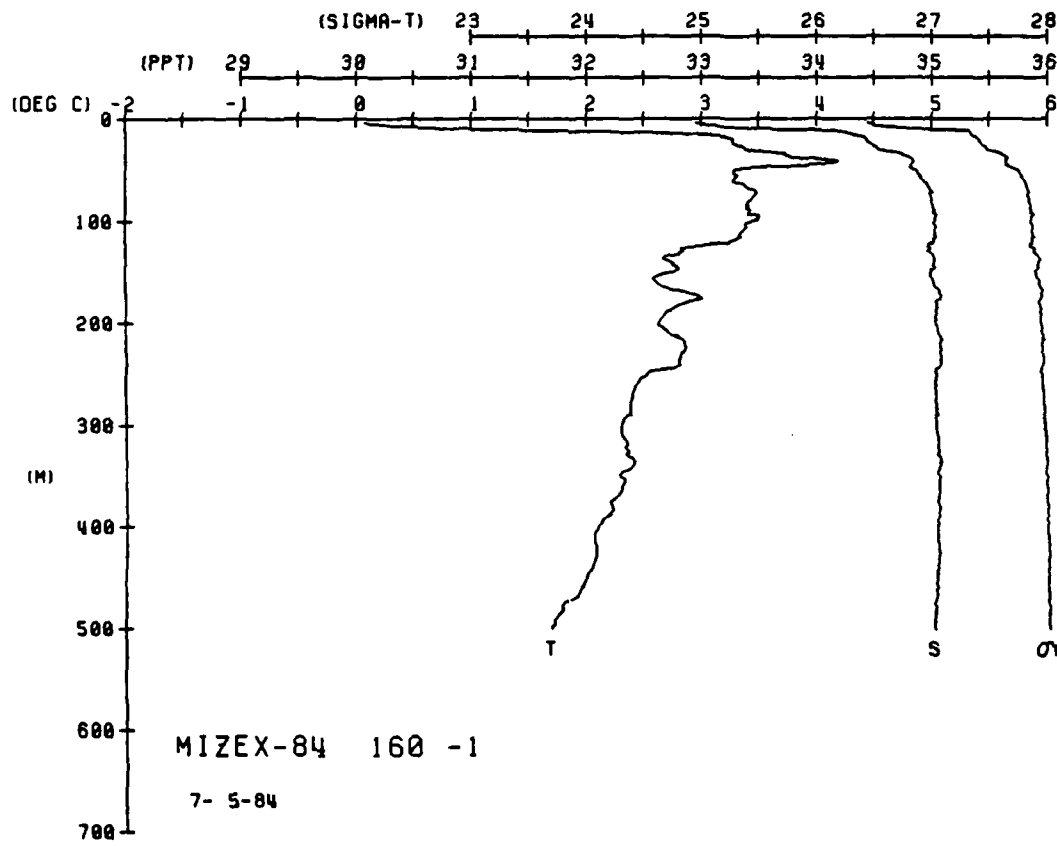
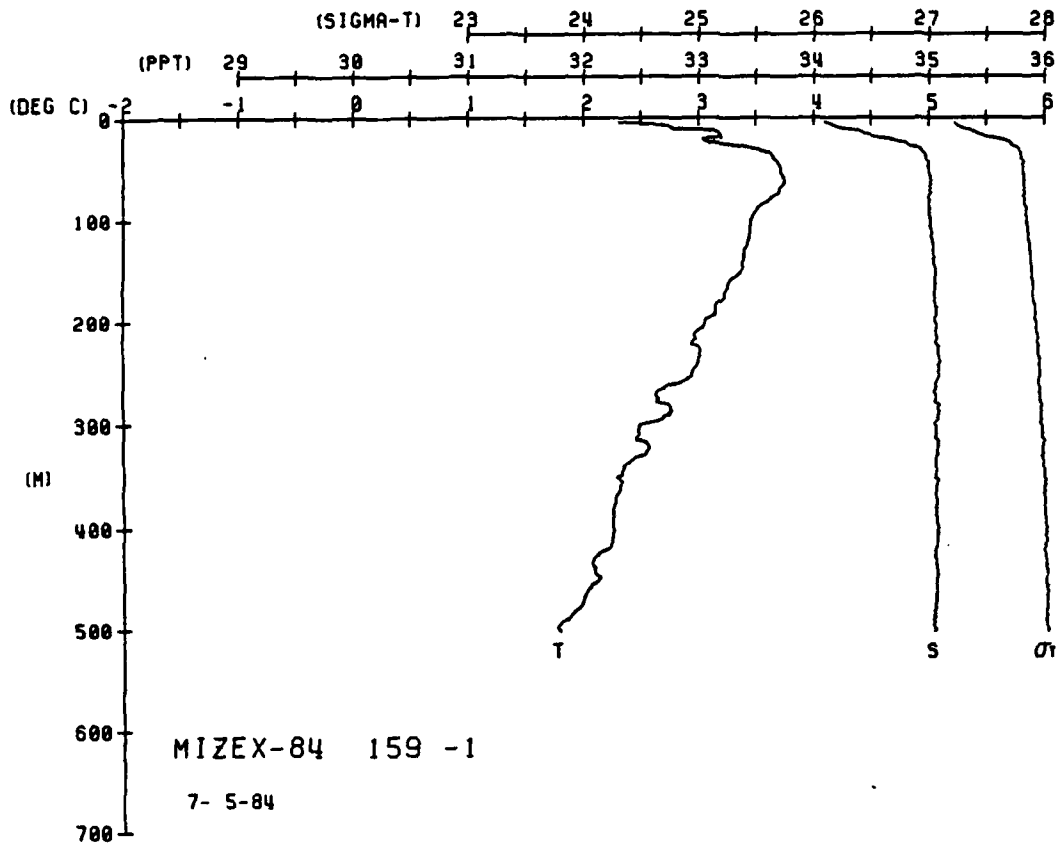
DEPTH	TEMP	PTMP	SALIN	SIG T	SPVUL	DYMHT	SOUND
0	11.7	11.7	35.0	1.0	1.0	0.0	147
5	11.6	11.6	35.0	1.0	1.0	0.0	147
10	11.5	11.5	35.0	1.0	1.0	0.0	147
15	11.4	11.4	35.0	1.0	1.0	0.0	147
20	11.3	11.3	35.0	1.0	1.0	0.0	147
25	11.2	11.2	35.0	1.0	1.0	0.0	147
30	11.1	11.1	35.0	1.0	1.0	0.0	147
35	11.0	11.0	35.0	1.0	1.0	0.0	147
40	10.9	10.9	35.0	1.0	1.0	0.0	147
45	10.8	10.8	35.0	1.0	1.0	0.0	147
50	10.7	10.7	35.0	1.0	1.0	0.0	147
55	10.6	10.6	35.0	1.0	1.0	0.0	147
60	10.5	10.5	35.0	1.0	1.0	0.0	147
65	10.4	10.4	35.0	1.0	1.0	0.0	147
70	10.3	10.3	35.0	1.0	1.0	0.0	147
75	10.2	10.2	35.0	1.0	1.0	0.0	147
80	10.1	10.1	35.0	1.0	1.0	0.0	147
85	10.0	10.0	35.0	1.0	1.0	0.0	147
90	9.9	9.9	35.0	1.0	1.0	0.0	147
95	9.8	9.8	35.0	1.0	1.0	0.0	147
100	9.7	9.7	35.0	1.0	1.0	0.0	147
105	9.6	9.6	35.0	1.0	1.0	0.0	147
110	9.5	9.5	35.0	1.0	1.0	0.0	147
115	9.4	9.4	35.0	1.0	1.0	0.0	147
120	9.3	9.3	35.0	1.0	1.0	0.0	147
125	9.2	9.2	35.0	1.0	1.0	0.0	147
130	9.1	9.1	35.0	1.0	1.0	0.0	147
135	9.0	9.0	35.0	1.0	1.0	0.0	147
140	8.9	8.9	35.0	1.0	1.0	0.0	147
145	8.8	8.8	35.0	1.0	1.0	0.0	147
150	8.7	8.7	35.0	1.0	1.0	0.0	147
155	8.6	8.6	35.0	1.0	1.0	0.0	147
160	8.5	8.5	35.0	1.0	1.0	0.0	147
165	8.4	8.4	35.0	1.0	1.0	0.0	147
170	8.3	8.3	35.0	1.0	1.0	0.0	147
175	8.2	8.2	35.0	1.0	1.0	0.0	147
180	8.1	8.1	35.0	1.0	1.0	0.0	147
185	8.0	8.0	35.0	1.0	1.0	0.0	147
190	7.9	7.9	35.0	1.0	1.0	0.0	147
195	7.8	7.8	35.0	1.0	1.0	0.0	147
200	7.7	7.7	35.0	1.0	1.0	0.0	147
205	7.6	7.6	35.0	1.0	1.0	0.0	147
210	7.5	7.5	35.0	1.0	1.0	0.0	147
215	7.4	7.4	35.0	1.0	1.0	0.0	147
220	7.3	7.3	35.0	1.0	1.0	0.0	147
225	7.2	7.2	35.0	1.0	1.0	0.0	147
230	7.1	7.1	35.0	1.0	1.0	0.0	147
235	7.0	7.0	35.0	1.0	1.0	0.0	147
240	6.9	6.9	35.0	1.0	1.0	0.0	147
245	6.8	6.8	35.0	1.0	1.0	0.0	147
250	6.7	6.7	35.0	1.0	1.0	0.0	147
255	6.6	6.6	35.0	1.0	1.0	0.0	147
260	6.5	6.5	35.0	1.0	1.0	0.0	147
265	6.4	6.4	35.0	1.0	1.0	0.0	147
270	6.3	6.3	35.0	1.0	1.0	0.0	147
275	6.2	6.2	35.0	1.0	1.0	0.0	147
280	6.1	6.1	35.0	1.0	1.0	0.0	147
285	6.0	6.0	35.0	1.0	1.0	0.0	147
290	5.9	5.9	35.0	1.0	1.0	0.0	147
295	5.8	5.8	35.0	1.0	1.0	0.0	147
300	5.7	5.7	35.0	1.0	1.0	0.0	147
305	5.6	5.6	35.0	1.0	1.0	0.0	147
310	5.5	5.5	35.0	1.0	1.0	0.0	147
315	5.4	5.4	35.0	1.0	1.0	0.0	147
320	5.3	5.3	35.0	1.0	1.0	0.0	147
325	5.2	5.2	35.0	1.0	1.0	0.0	147
330	5.1	5.1	35.0	1.0	1.0	0.0	147
335	5.0	5.0	35.0	1.0	1.0	0.0	147
340	4.9	4.9	35.0	1.0	1.0	0.0	147
345	4.8	4.8	35.0	1.0	1.0	0.0	147
350	4.7	4.7	35.0	1.0	1.0	0.0	147
355	4.6	4.6	35.0	1.0	1.0	0.0	147
360	4.5	4.5	35.0	1.0	1.0	0.0	147
365	4.4	4.4	35.0	1.0	1.0	0.0	147
370	4.3	4.3	35.0	1.0	1.0	0.0	147
375	4.2	4.2	35.0	1.0	1.0	0.0	147
380	4.1	4.1	35.0	1.0	1.0	0.0	147
385	4.0	4.0	35.0	1.0	1.0	0.0	147
390	3.9	3.9	35.0	1.0	1.0	0.0	147
395	3.8	3.8	35.0	1.0	1.0	0.0	147
400	3.7	3.7	35.0	1.0	1.0	0.0	147
405	3.6	3.6	35.0	1.0	1.0	0.0	147
410	3.5	3.5	35.0	1.0	1.0	0.0	147
415	3.4	3.4	35.0	1.0	1.0	0.0	147
420	3.3	3.3	35.0	1.0	1.0	0.0	147
425	3.2	3.2	35.0	1.0	1.0	0.0	147
430	3.1	3.1	35.0	1.0	1.0	0.0	147
435	3.0	3.0	35.0	1.0	1.0	0.0	147
440	2.9	2.9	35.0	1.0	1.0	0.0	147
445	2.8	2.8	35.0	1.0	1.0	0.0	147
450	2.7	2.7	35.0	1.0	1.0	0.0	147
455	2.6	2.6	35.0	1.0	1.0	0.0	147
460	2.5	2.5	35.0	1.0	1.0	0.0	147
465	2.4	2.4	35.0	1.0	1.0	0.0	147
470	2.3	2.3	35.0	1.0	1.0	0.0	147
475	2.2	2.2	35.0	1.0	1.0	0.0	147
480	2.1	2.1	35.0	1.0	1.0	0.0	147
485	2.0	2.0	35.0	1.0	1.0	0.0	147
490	1.9	1.9	35.0	1.0	1.0	0.0	147
495	1.8	1.8	35.0	1.0	1.0	0.0	147
500	1.7	1.7	35.0	1.0	1.0	0.0	147
505	1.6	1.6	35.0	1.0	1.0	0.0	147
510	1.5	1.5	35.0	1.0	1.0	0.0	147
515	1.4	1.4	35.0	1.0	1.0	0.0	147
520	1.3	1.3	35.0	1.0	1.0	0.0	147
525	1.2	1.2	35.0	1.0	1.0	0.0	147
530	1.1	1.1	35.0	1.0	1.0	0.0	147
535	1.0	1.0	35.0	1.0	1.0	0.0	147
540	0.9	0.9	35.0	1.0	1.0	0.0	147
545	0.8	0.8	35.0	1.0	1.0	0.0	147
550	0.7	0.7	35.0	1.0	1.0	0.0	147
555	0.6	0.6	35.0	1.0	1.0	0.0	147
560	0.5	0.5	35.0	1.0	1.0	0.0	147
565	0.4	0.4	35.0	1.0	1.0	0.0	147
570	0.3	0.3	35.0	1.0	1.0	0.0	147
575	0.2	0.2	35.0	1.0	1.0	0.0	147
580	0.1	0.1	35.0	1.0	1.0	0.0	147
585	0.0	0.0	35.0	1.0	1.0	0.0	147
590	0.0	0.0	35.0	1.0	1.0	0.0	147
595	0.0	0.0	35.0	1.0	1.0	0.0	147
600	0.0	0.0	35.0	1.0	1.0	0.0	147

MISX-84 STATION 157(1) CTD 5/JUL/1984 1031 GMT CODE = 1  
 LAT = 80.343N LMC = 5.2767E LTKR = 300. LGR = 300.  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTMP	SALIN	SIG T	SPVUL	DYMHT	SOUND
0	11.7	11.7	35.0	1.0	1.0	0.0	147
5	11.6	11.6	35.0	1.0	1.0	0.0	147
10	11.5	11.5	35.0	1.0	1.0	0.0	147
15	11.4	11.4	35.0	1.0	1.0	0.0	147
20	11.3	11.3	35.0	1.0	1.0	0.0	147
25	11.2	11.2	35.0	1.0	1.0	0.0	147
30	11.1	11.1	35.0	1.0	1.0	0.0	147
35	11.0	11.0	35.0	1.0	1.0	0.0	147
40	10.9	10.9	35.0	1.0	1.0	0.0	147
45	10.8	10.8	35.0	1.0	1.0	0.0	147
50	10.7	10.7	35.0	1.0	1.0	0.0	147
55	10.6	10.6	35.0	1.0	1.0	0.0	147
60	10.5	10.5	35.0	1.0	1.0	0.0	147
65	10.4	10.4	35.0	1.0	1.0	0.0	147
70	10.3	10.3	35.0	1.0	1.0	0.0	147
75	10.2	10.2	35.0	1.0	1.0	0.0	147
80	10.1	10.1	35.0	1.0	1.0	0.0	147
85	10.0	10.0	35.0	1.0	1.0	0.0	147
90	9.9	9.9	35.0	1.0	1.0	0.0	147
95	9.8	9.8	35.0	1.0	1.0	0.0	147
100	9.7	9.7	35.0	1.0	1.0	0.0	147
105	9.6	9.6	35.0	1.0	1.0	0.0	147
110	9.5	9.5	35.0	1.0	1.0	0.0	147
115	9.4	9.4	35.0	1.0	1.0	0.0	147
120	9.3	9.3	35.0	1.0	1.0	0.0	147
125	9.2	9.2	35.0	1.0	1.0	0.0	147
130	9.1	9.1	35.0	1.0	1.0	0.0	147
135	9.0	9.0	35.0	1.0	1.0	0.0	147
140	8.9	8.9	35.0	1.0	1.0	0.0	147
145	8.8	8.8	35.0	1.0	1.0	0.0	147
150	8.7	8.7	35.0	1.0	1.0	0.0	147
155	8.6	8.6	35.0	1.0	1.0	0.0	147
160	8.5	8.5	35.0	1.0	1.0	0.0	147
165	8.4	8.4	35.0	1.0	1.0	0.0	147
170	8.3	8.3	35.0	1.0	1.0	0.0	147
175	8.2	8.2	35.0	1.0	1.0	0.0	147
180	8.1	8.1	35.0	1.0	1.0	0.0	147
185	8.0	8.0	35.0	1.0	1.0	0.0	147
190	7.9	7.9	35.0	1.0	1.0	0.0	147
195	7.8	7.8	35.0	1.0	1.0	0.0	147
200	7.7	7.7	35.0	1.0	1.0	0.0	147
205	7.6	7.6	35.0	1.0	1.0	0.0	147
210	7.5	7.5	35.0	1.0	1.0	0.0	147
215	7.4	7.4	35.0	1.0	1.0	0.0	147
220	7.3	7.3	35.0	1.0	1.0	0.0	147
225	7.2	7.2	35.0	1.0	1.0	0.0	147
230	7.1	7.1	35.0	1.0	1.0	0.0	147
235	7.0	7.0	35.0	1.0	1.0	0.0	147







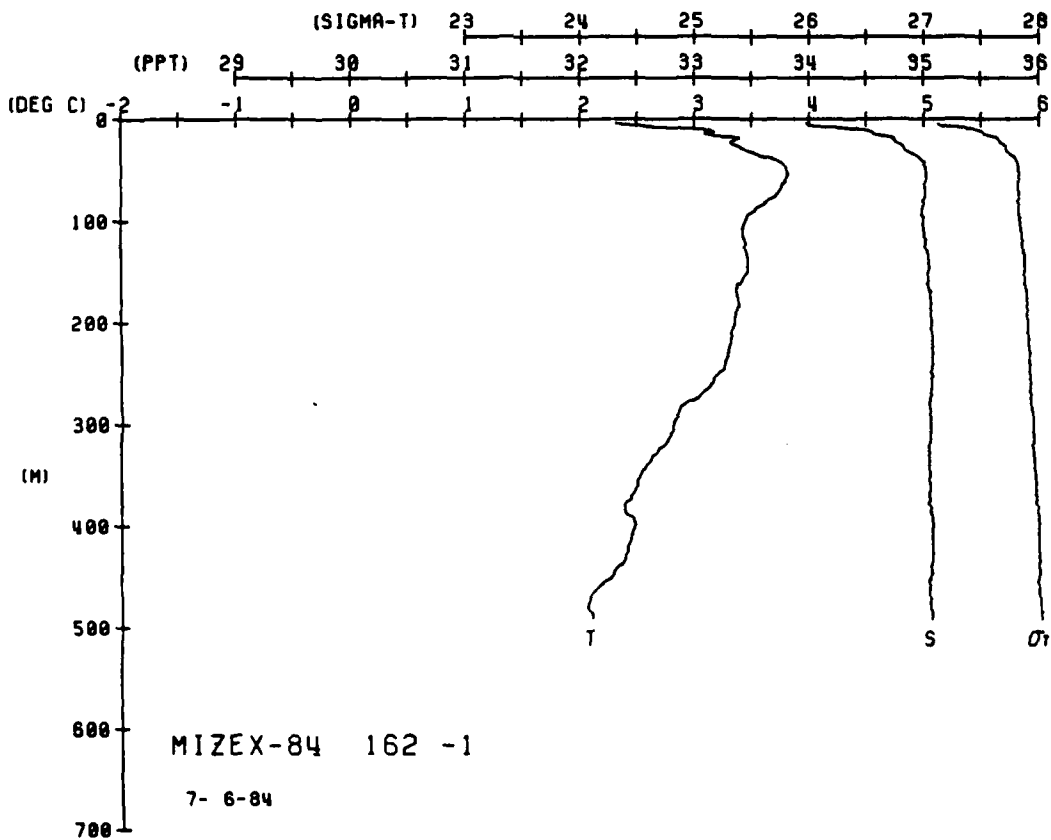
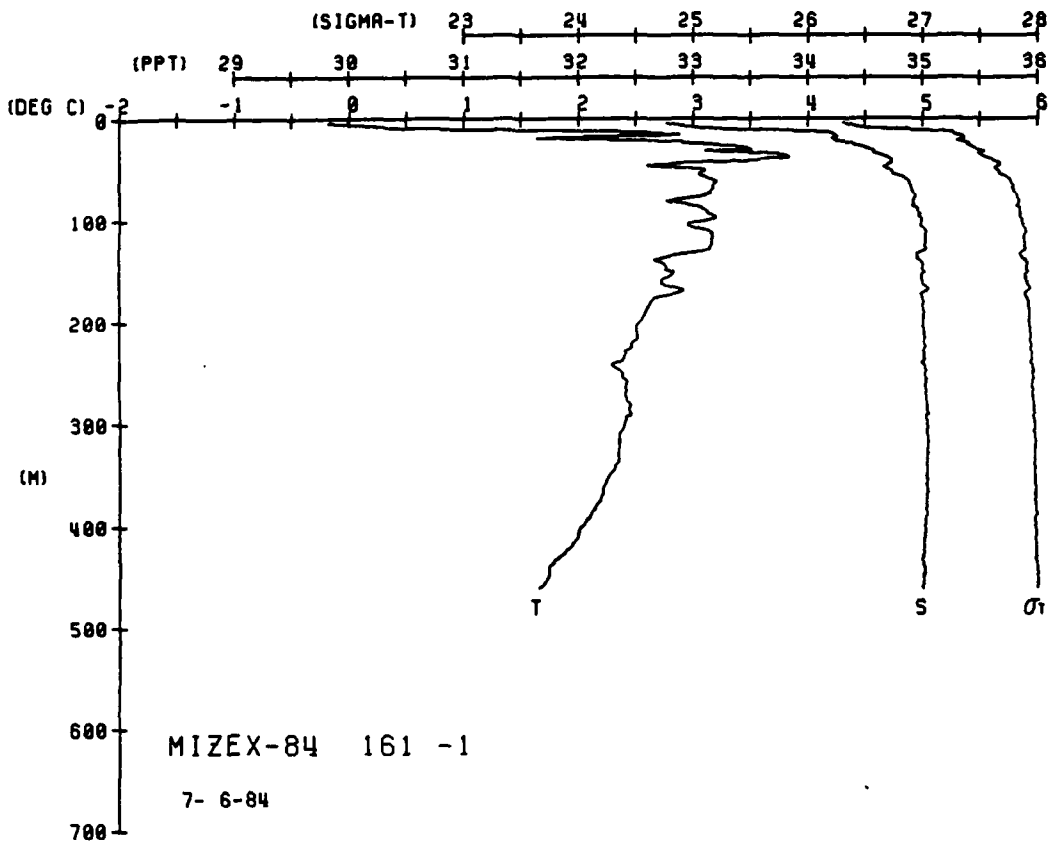


MIZEX-84 STATION 161(1) CTD 6/JUL/1984 931 GMI CODE = 1  
LAT = 80.400N LNG = 3.000E LTEM = 150. LGER = 150.  
AIR TEMP = 0.0 BARDM = 0.0 WIND = 0.0 SPEED = 0.0

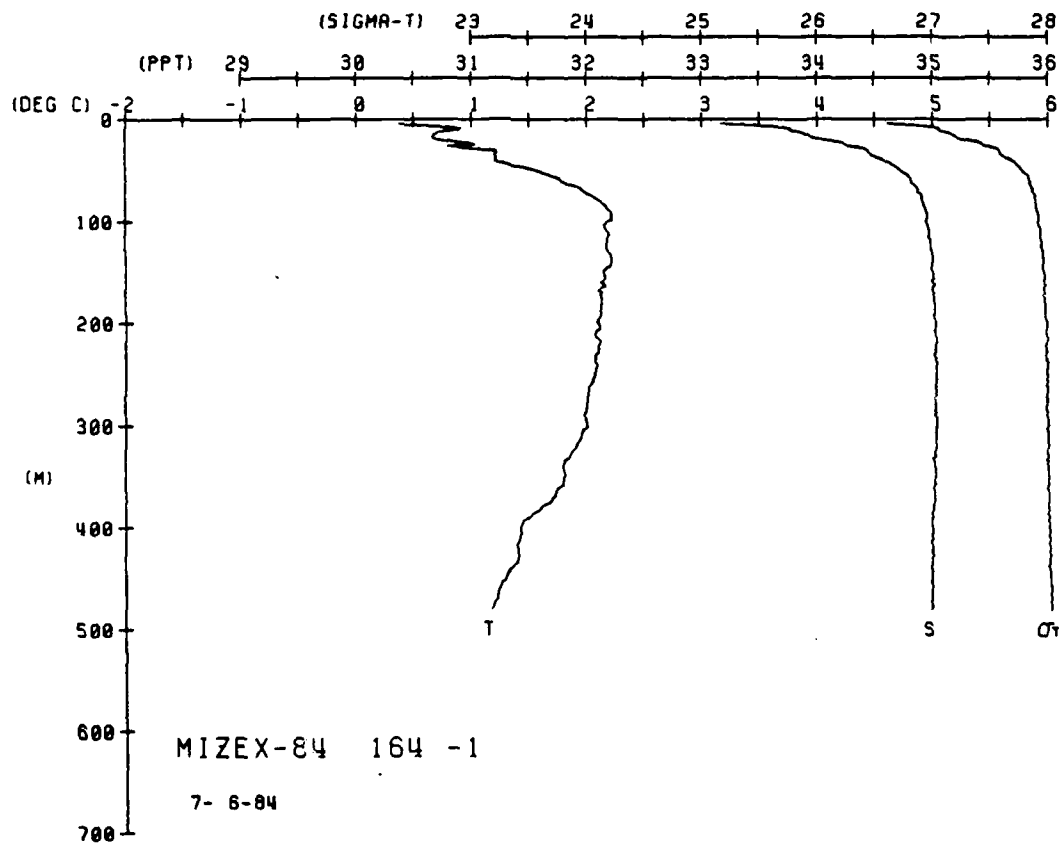
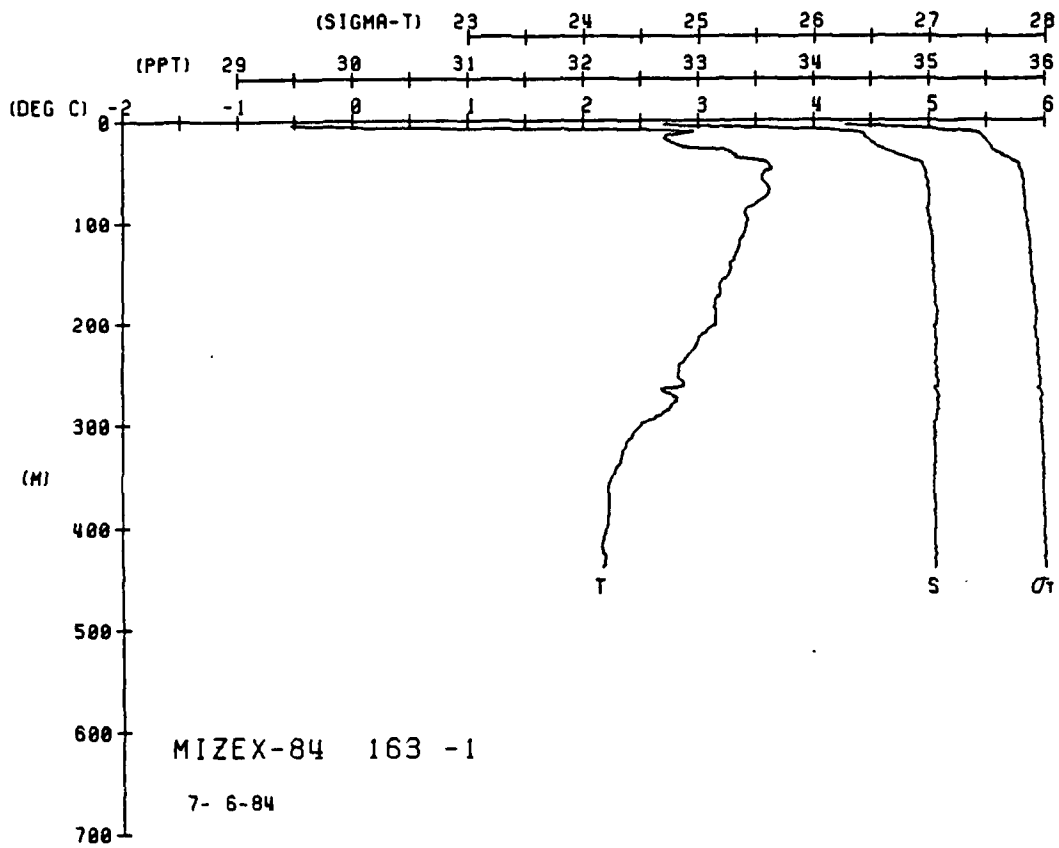
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DIMHT	SOUND
0	0.0	0.0	30	1709	0.0	0.0	1445
5	0.0	0.0	30	1709	0.0	0.0	1445
10	0.0	0.0	30	1709	0.0	0.0	1445
15	0.0	0.0	30	1709	0.0	0.0	1445
20	0.0	0.0	30	1709	0.0	0.0	1445
25	0.0	0.0	30	1709	0.0	0.0	1445
30	0.0	0.0	30	1709	0.0	0.0	1445
35	0.0	0.0	30	1709	0.0	0.0	1445
40	0.0	0.0	30	1709	0.0	0.0	1445
45	0.0	0.0	30	1709	0.0	0.0	1445
50	0.0	0.0	30	1709	0.0	0.0	1445
55	0.0	0.0	30	1709	0.0	0.0	1445
60	0.0	0.0	30	1709	0.0	0.0	1445
65	0.0	0.0	30	1709	0.0	0.0	1445
70	0.0	0.0	30	1709	0.0	0.0	1445
75	0.0	0.0	30	1709	0.0	0.0	1445
80	0.0	0.0	30	1709	0.0	0.0	1445
85	0.0	0.0	30	1709	0.0	0.0	1445
90	0.0	0.0	30	1709	0.0	0.0	1445
95	0.0	0.0	30	1709	0.0	0.0	1445
100	0.0	0.0	30	1709	0.0	0.0	1445

MIZEX-84 STATION 162(1) CTD 6/JUL/1984 1026 GMI CODE = 1  
LAT = 80.316N LNG = 3.500E LTEM = 150. LGER = 150.  
AIR TEMP = 0.0 BARDM = 0.0 WIND = 0.0 SPEED = 0.0

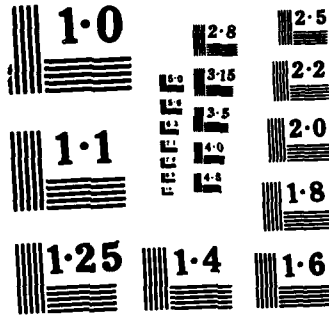
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DIMHT	SOUND
0	0.0	0.0	22	1622	0.0	0.0	1466
5	0.0	0.0	22	1622	0.0	0.0	1466
10	0.0	0.0	22	1622	0.0	0.0	1466
15	0.0	0.0	22	1622	0.0	0.0	1466
20	0.0	0.0	22	1622	0.0	0.0	1466
25	0.0	0.0	22	1622	0.0	0.0	1466
30	0.0	0.0	22	1622	0.0	0.0	1466
35	0.0	0.0	22	1622	0.0	0.0	1466
40	0.0	0.0	22	1622	0.0	0.0	1466
45	0.0	0.0	22	1622	0.0	0.0	1466
50	0.0	0.0	22	1622	0.0	0.0	1466
55	0.0	0.0	22	1622	0.0	0.0	1466
60	0.0	0.0	22	1622	0.0	0.0	1466
65	0.0	0.0	22	1622	0.0	0.0	1466
70	0.0	0.0	22	1622	0.0	0.0	1466
75	0.0	0.0	22	1622	0.0	0.0	1466
80	0.0	0.0	22	1622	0.0	0.0	1466
85	0.0	0.0	22	1622	0.0	0.0	1466
90	0.0	0.0	22	1622	0.0	0.0	1466
95	0.0	0.0	22	1622	0.0	0.0	1466
100	0.0	0.0	22	1622	0.0	0.0	1466





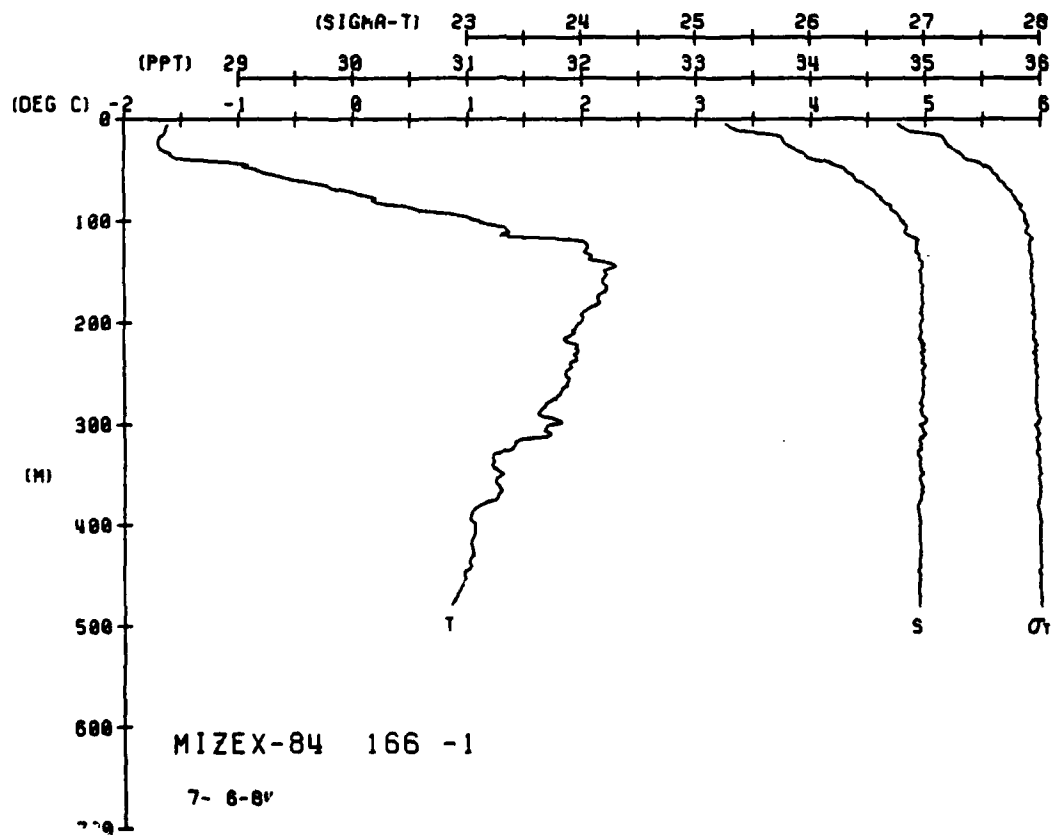
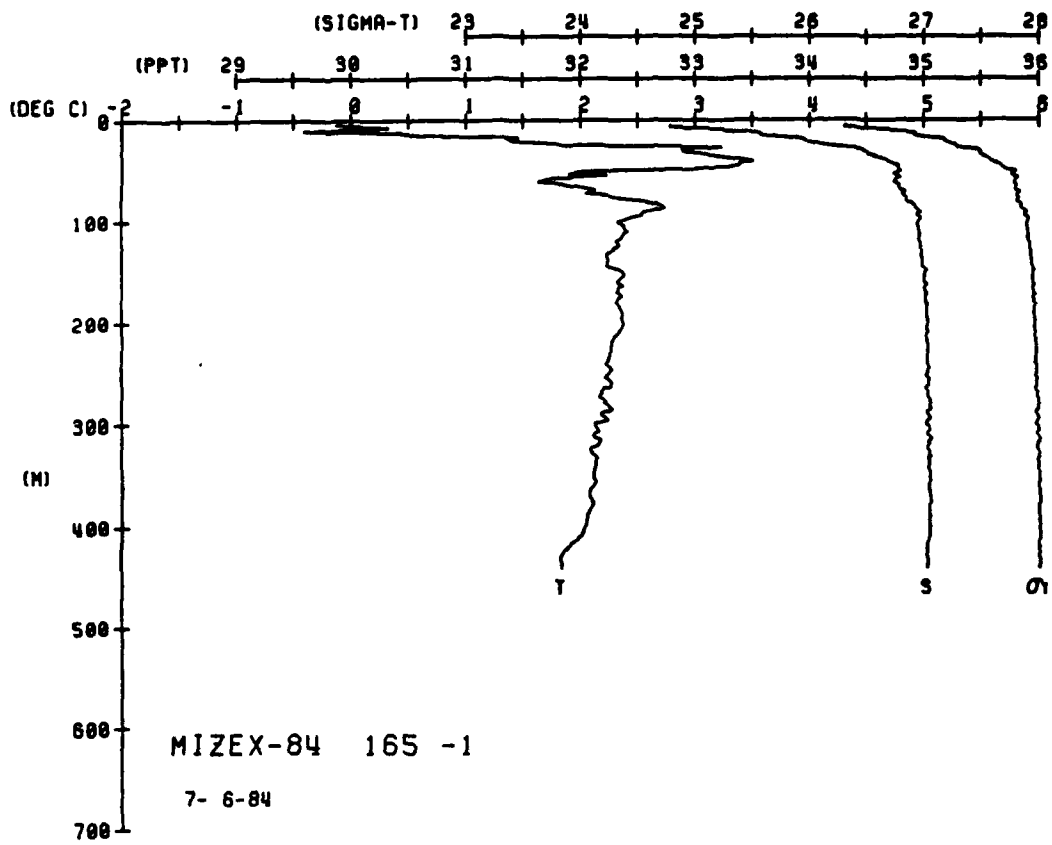






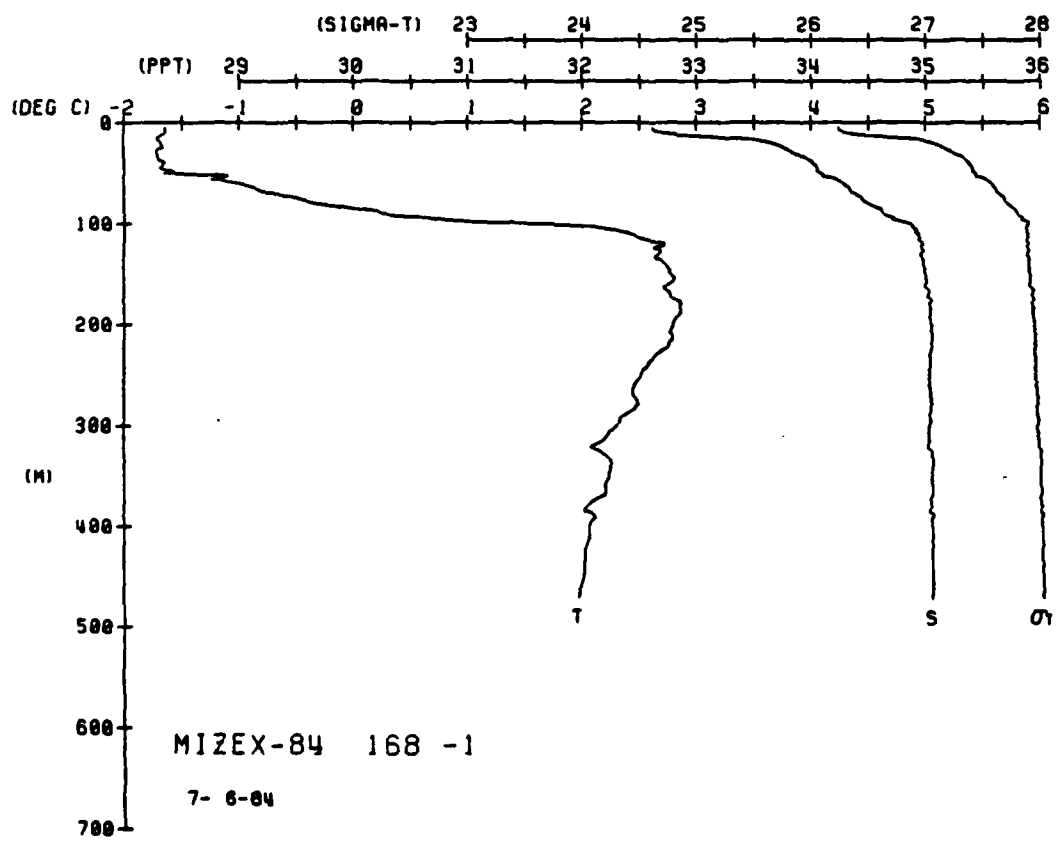
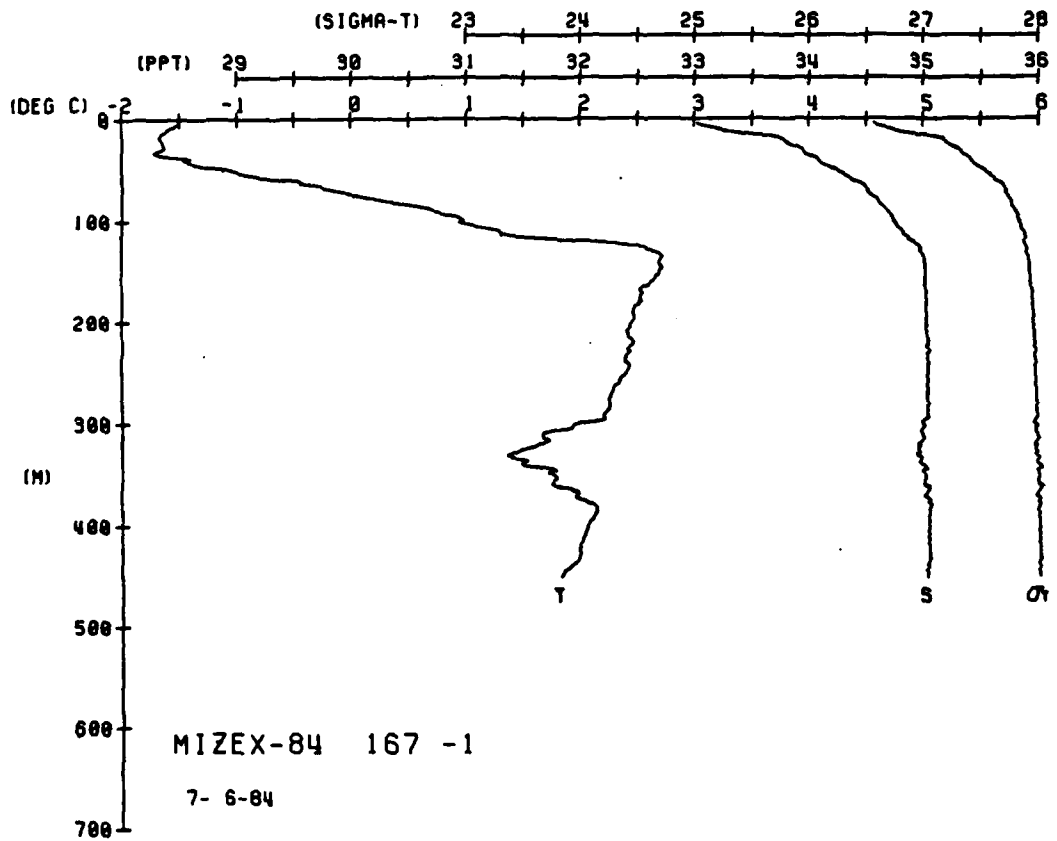
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MICROCOPY RESOLUTION TEST CHART



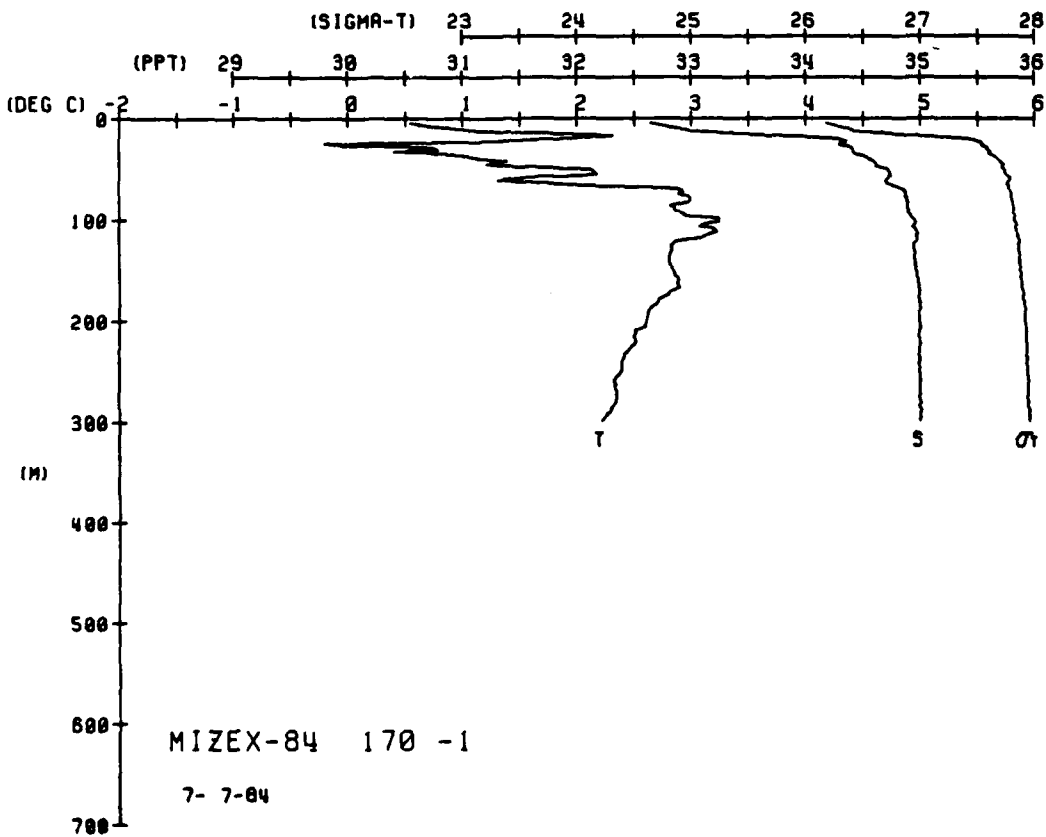
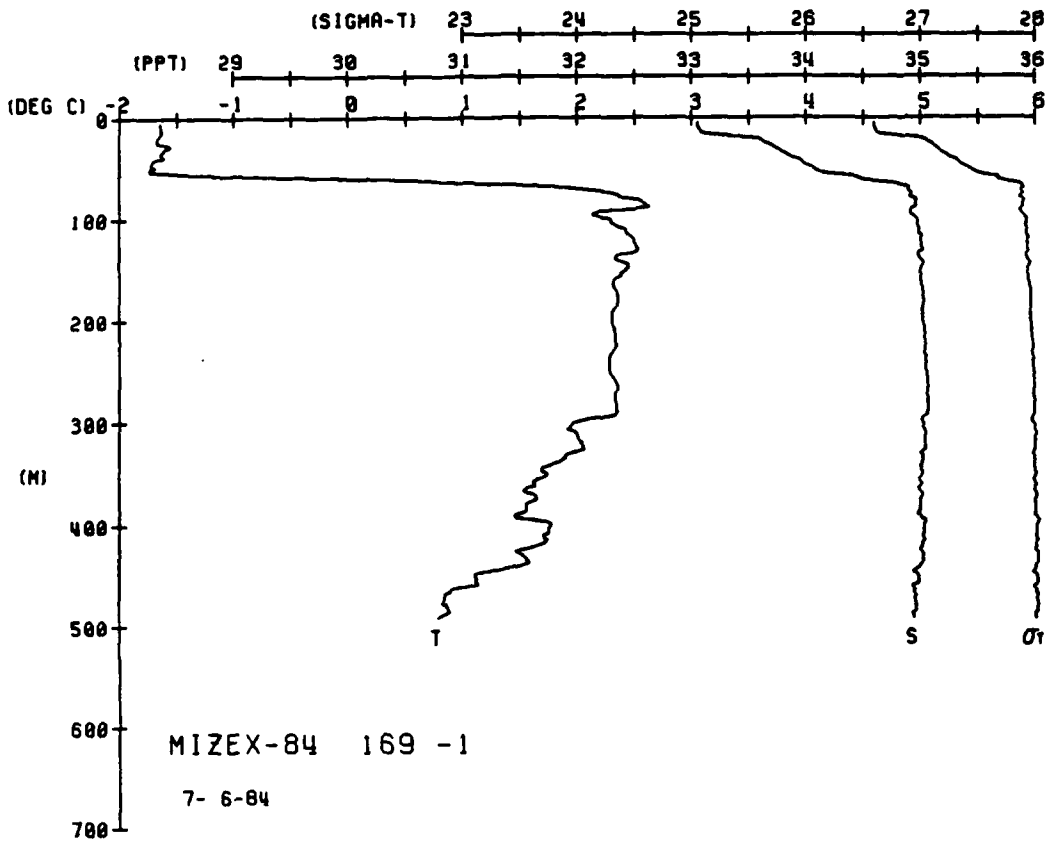




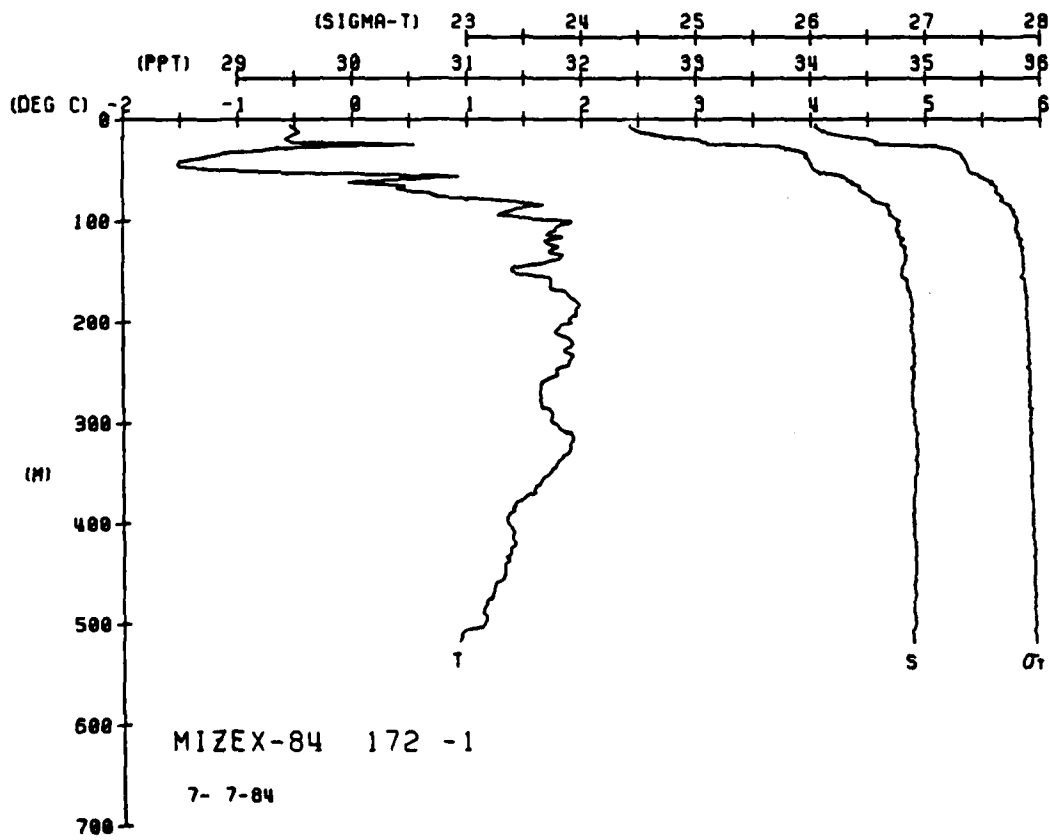
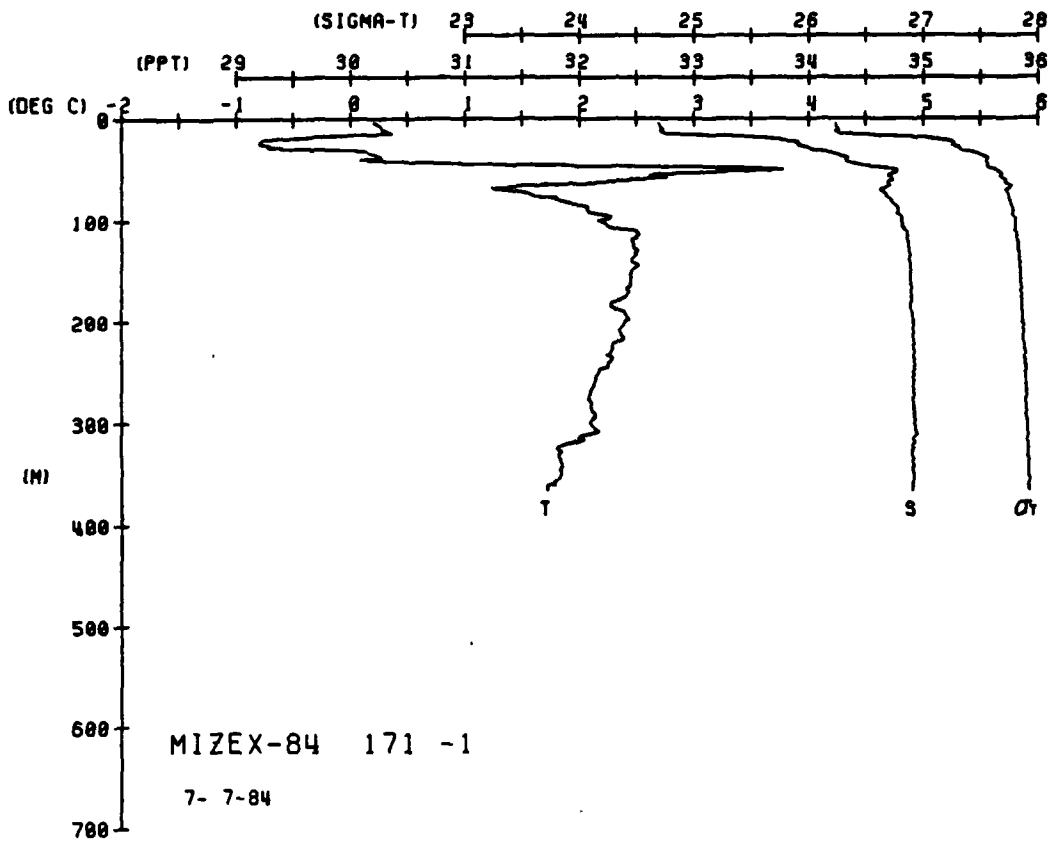




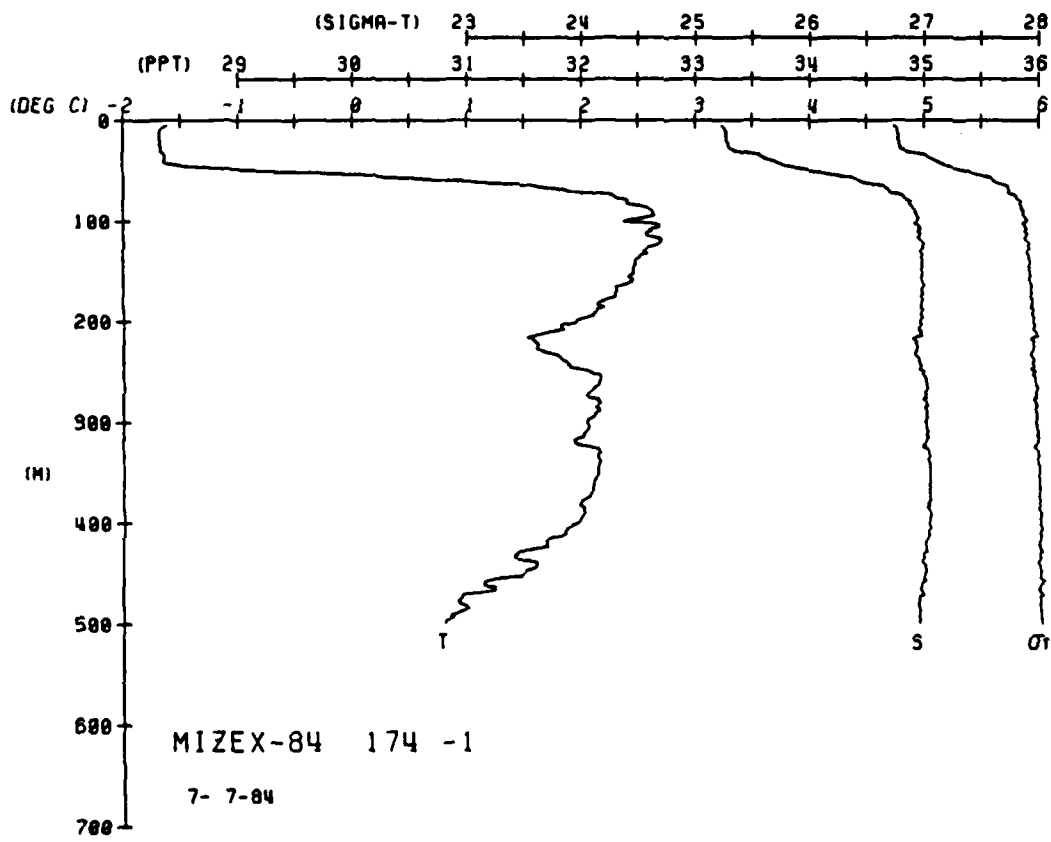
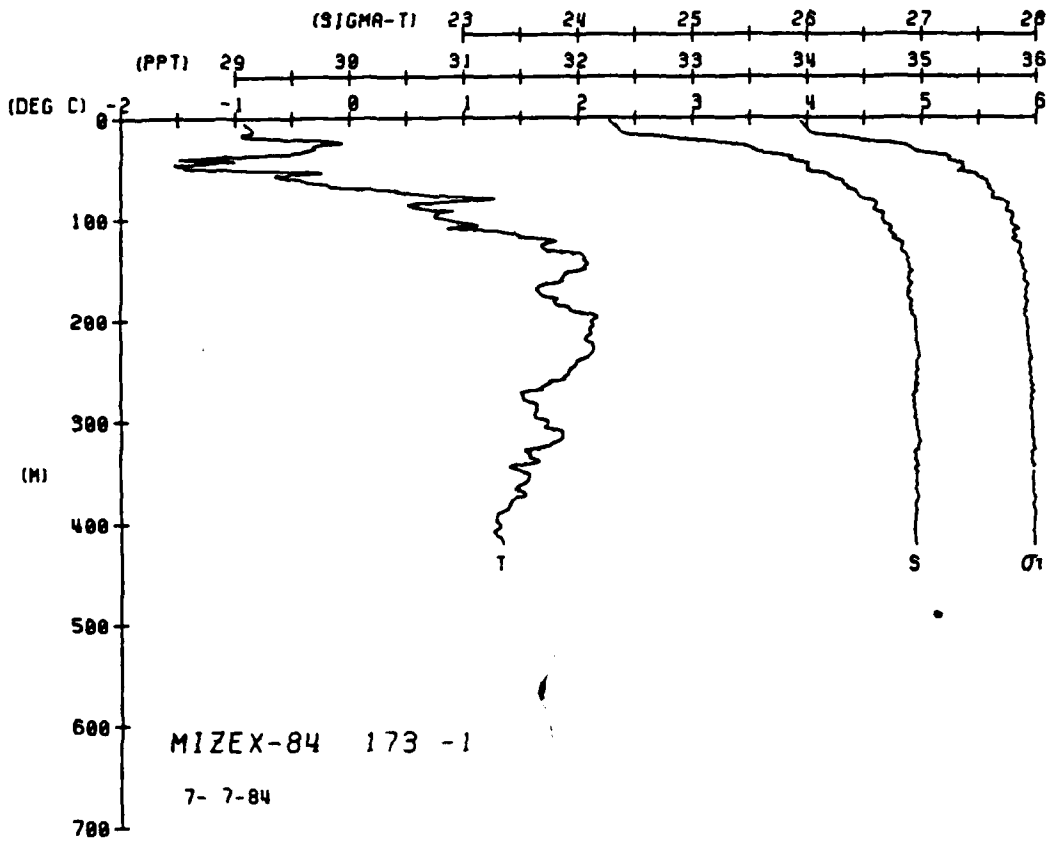












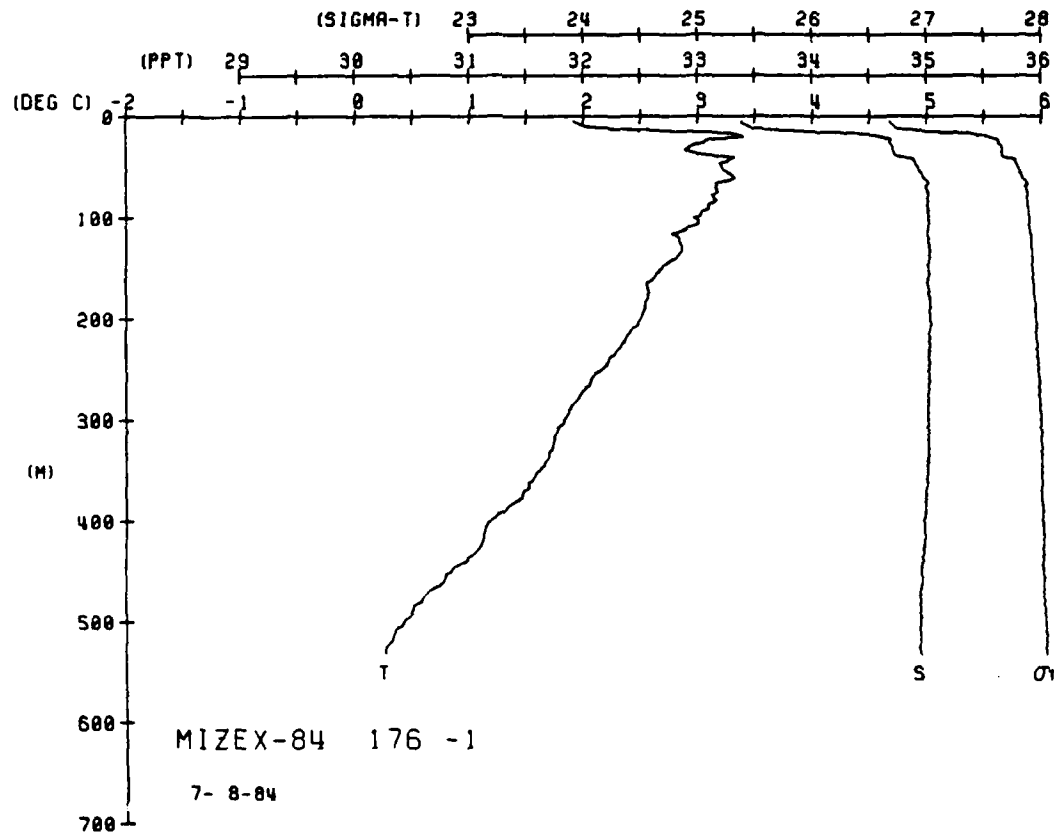
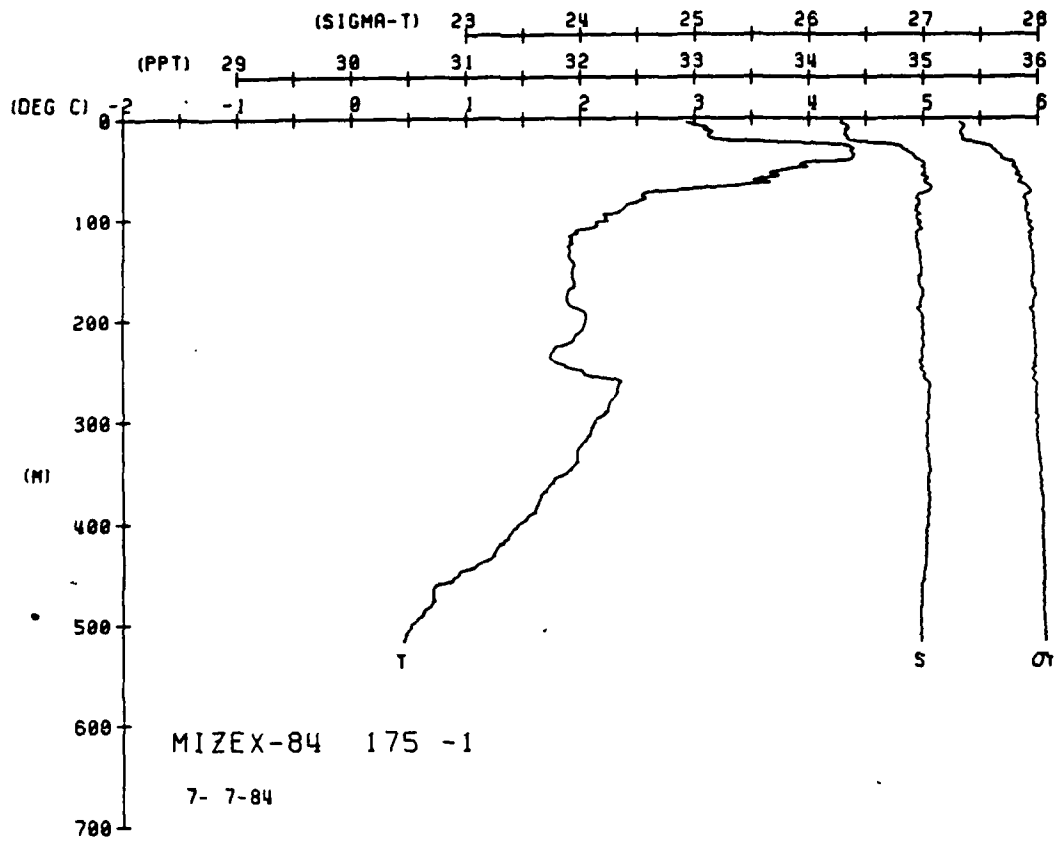


WIZEX-84 STATION 175(1) CID 7(JUL/1984 2008 GMT CODE = 1  
 LAT = 78.5100M LNC = 30. LGLR = 30.  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

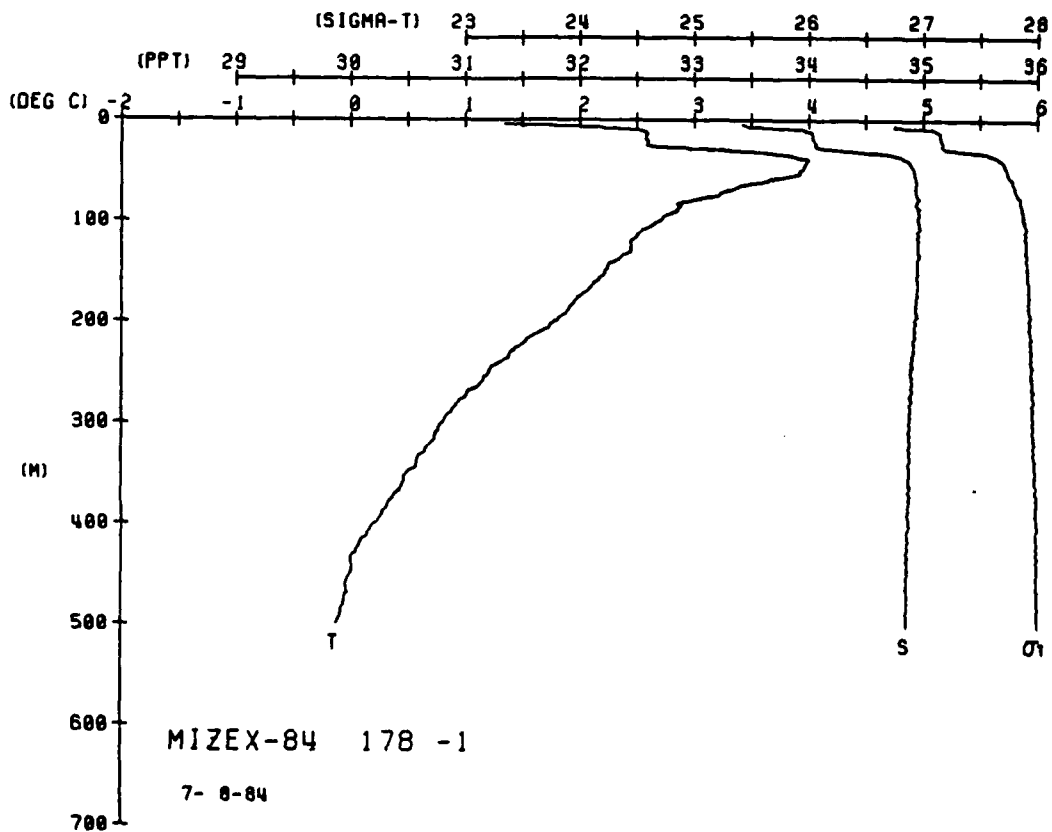
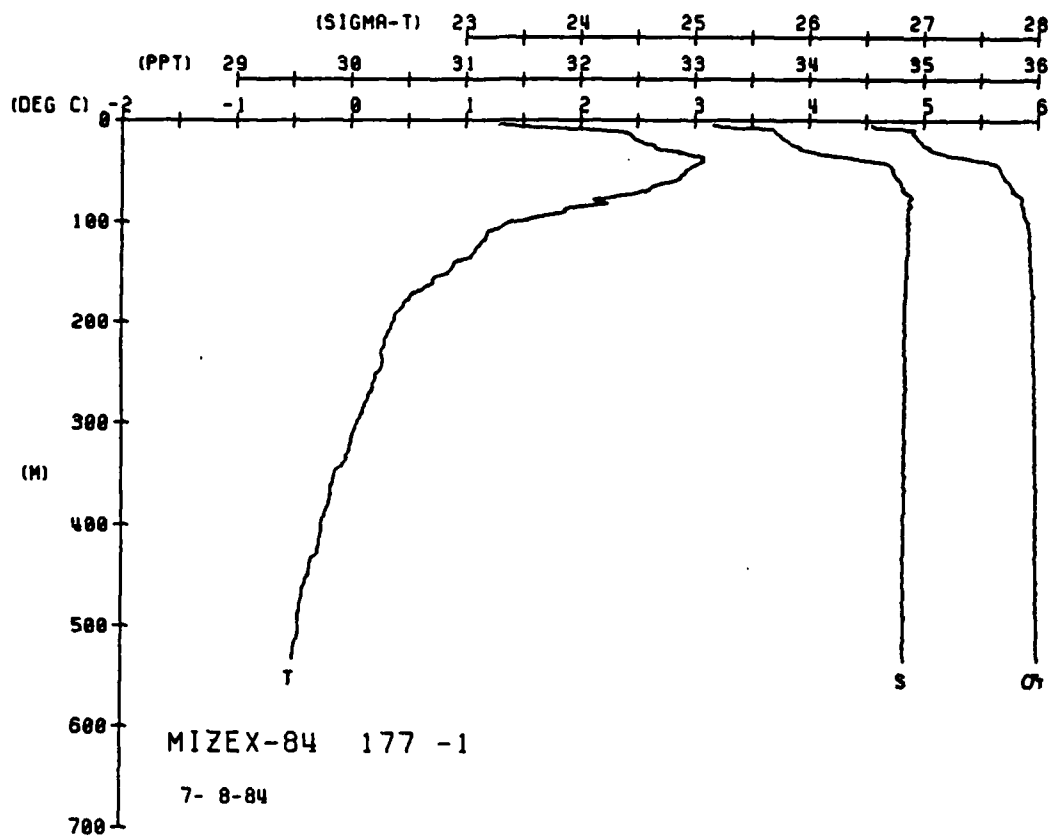
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DYHMT	SOUND
0	17.1	17.1	35.0	1.0	0.0	0.0	14667
5	17.1	17.1	35.0	1.0	0.0	0.0	14667
10	17.1	17.1	35.0	1.0	0.0	0.0	14667
15	17.1	17.1	35.0	1.0	0.0	0.0	14667
20	17.1	17.1	35.0	1.0	0.0	0.0	14667
25	17.1	17.1	35.0	1.0	0.0	0.0	14667
30	17.1	17.1	35.0	1.0	0.0	0.0	14667
35	17.1	17.1	35.0	1.0	0.0	0.0	14667
40	17.1	17.1	35.0	1.0	0.0	0.0	14667
45	17.1	17.1	35.0	1.0	0.0	0.0	14667
50	17.1	17.1	35.0	1.0	0.0	0.0	14667
55	17.1	17.1	35.0	1.0	0.0	0.0	14667
60	17.1	17.1	35.0	1.0	0.0	0.0	14667
65	17.1	17.1	35.0	1.0	0.0	0.0	14667
70	17.1	17.1	35.0	1.0	0.0	0.0	14667
75	17.1	17.1	35.0	1.0	0.0	0.0	14667
80	17.1	17.1	35.0	1.0	0.0	0.0	14667
85	17.1	17.1	35.0	1.0	0.0	0.0	14667
90	17.1	17.1	35.0	1.0	0.0	0.0	14667
95	17.1	17.1	35.0	1.0	0.0	0.0	14667
100	17.1	17.1	35.0	1.0	0.0	0.0	14667

WIZEX-84 STATION 176(1) CID 8(JUL/1984 931 GMT CODE = 1  
 LAT = 78.5700M LNC = 2.2033M LTER = 300. LGLR = 300.  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

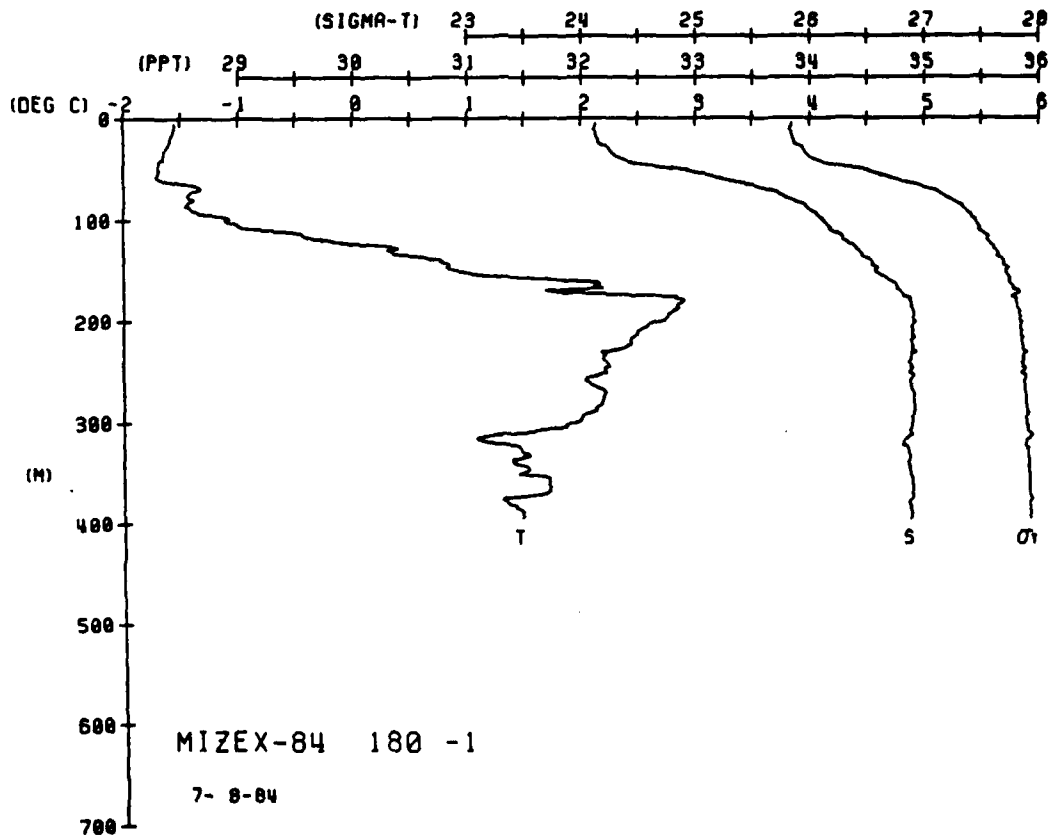
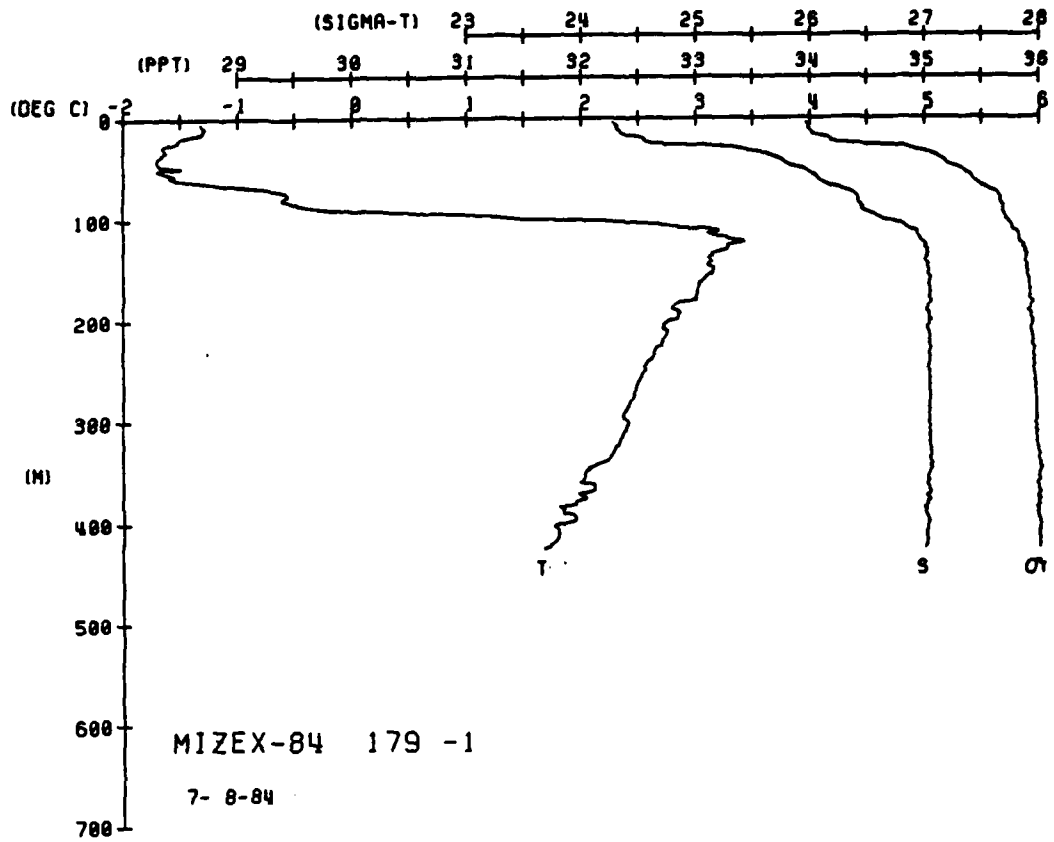
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DYHMT	SOUND
0	17.1	17.1	35.0	1.0	0.0	0.0	14667
5	17.1	17.1	35.0	1.0	0.0	0.0	14667
10	17.1	17.1	35.0	1.0	0.0	0.0	14667
15	17.1	17.1	35.0	1.0	0.0	0.0	14667
20	17.1	17.1	35.0	1.0	0.0	0.0	14667
25	17.1	17.1	35.0	1.0	0.0	0.0	14667
30	17.1	17.1	35.0	1.0	0.0	0.0	14667
35	17.1	17.1	35.0	1.0	0.0	0.0	14667
40	17.1	17.1	35.0	1.0	0.0	0.0	14667
45	17.1	17.1	35.0	1.0	0.0	0.0	14667
50	17.1	17.1	35.0	1.0	0.0	0.0	14667
55	17.1	17.1	35.0	1.0	0.0	0.0	14667
60	17.1	17.1	35.0	1.0	0.0	0.0	14667
65	17.1	17.1	35.0	1.0	0.0	0.0	14667
70	17.1	17.1	35.0	1.0	0.0	0.0	14667
75	17.1	17.1	35.0	1.0	0.0	0.0	14667
80	17.1	17.1	35.0	1.0	0.0	0.0	14667
85	17.1	17.1	35.0	1.0	0.0	0.0	14667
90	17.1	17.1	35.0	1.0	0.0	0.0	14667
95	17.1	17.1	35.0	1.0	0.0	0.0	14667
100	17.1	17.1	35.0	1.0	0.0	0.0	14667



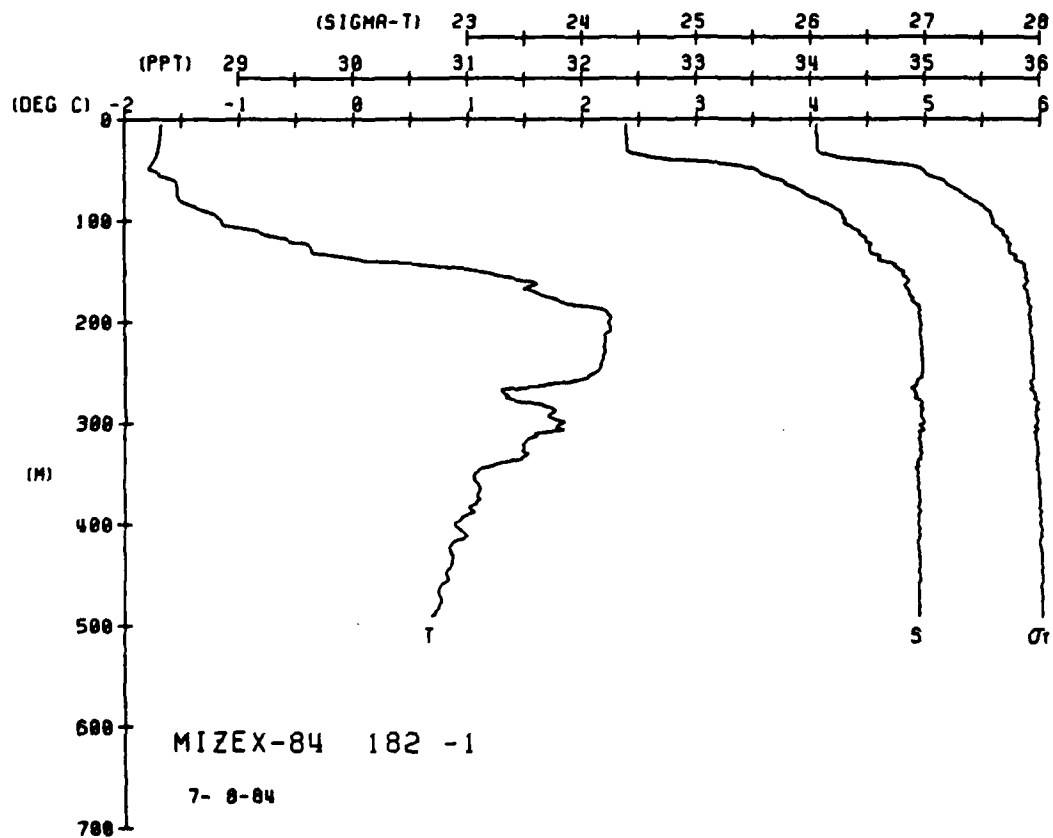
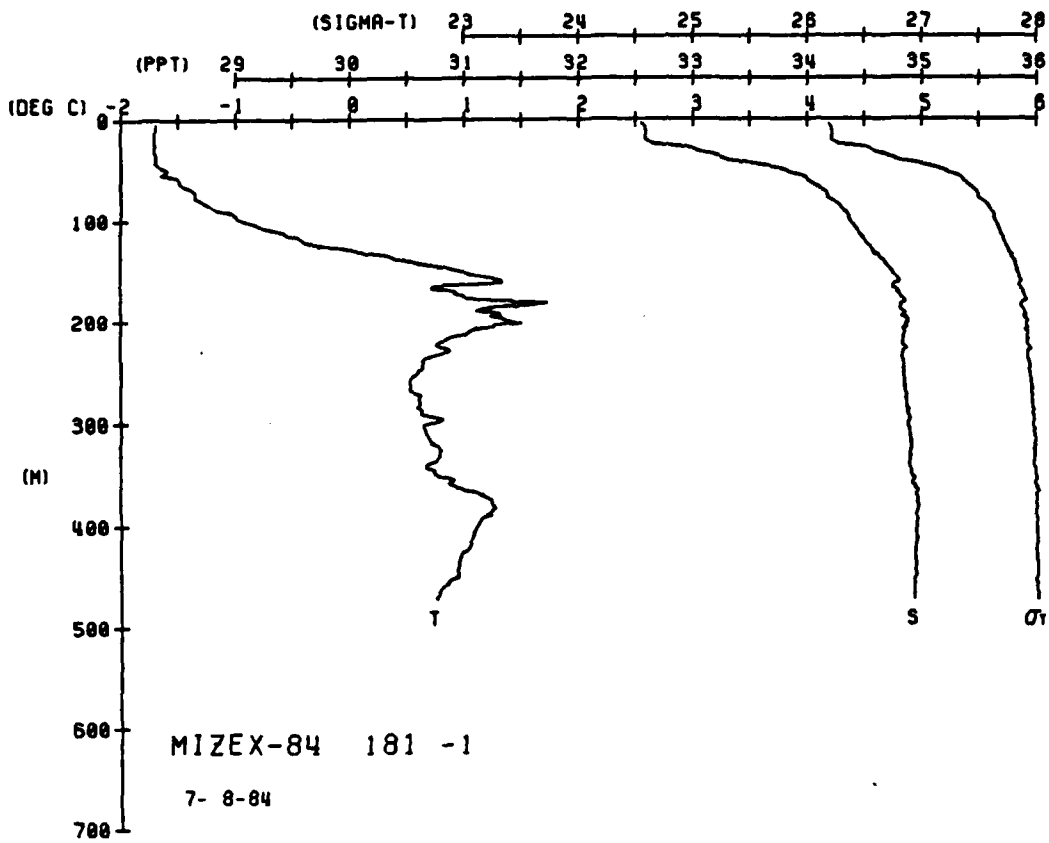






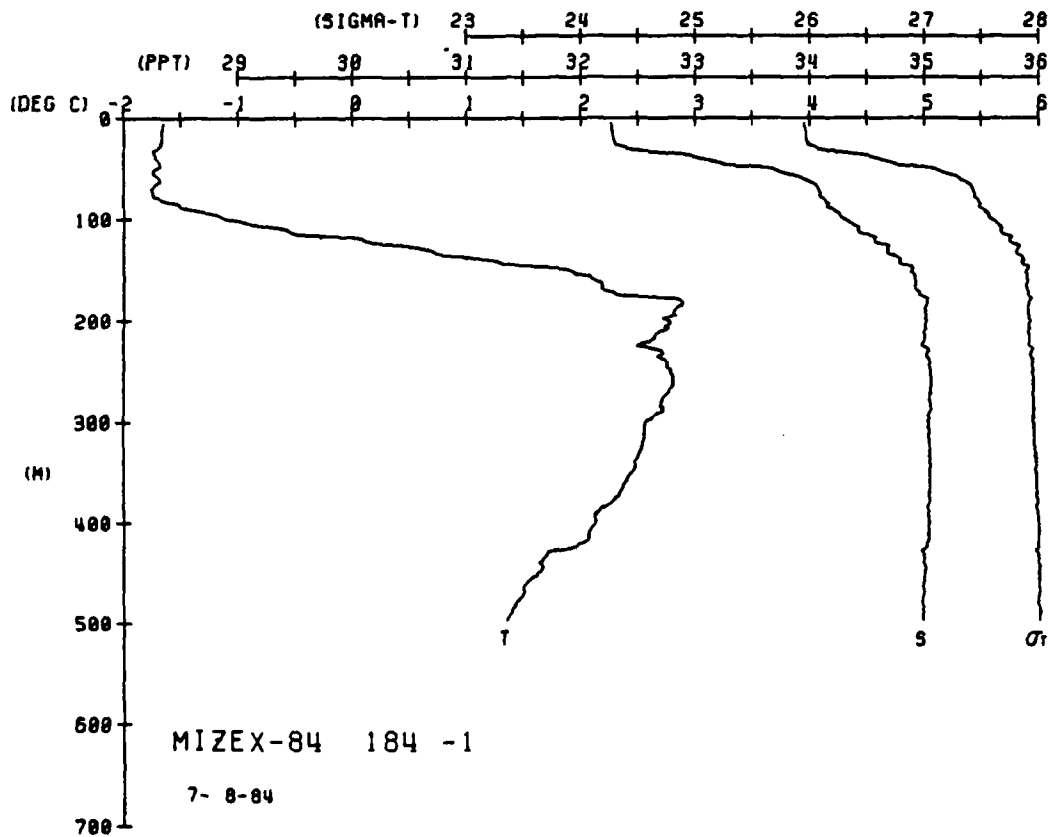
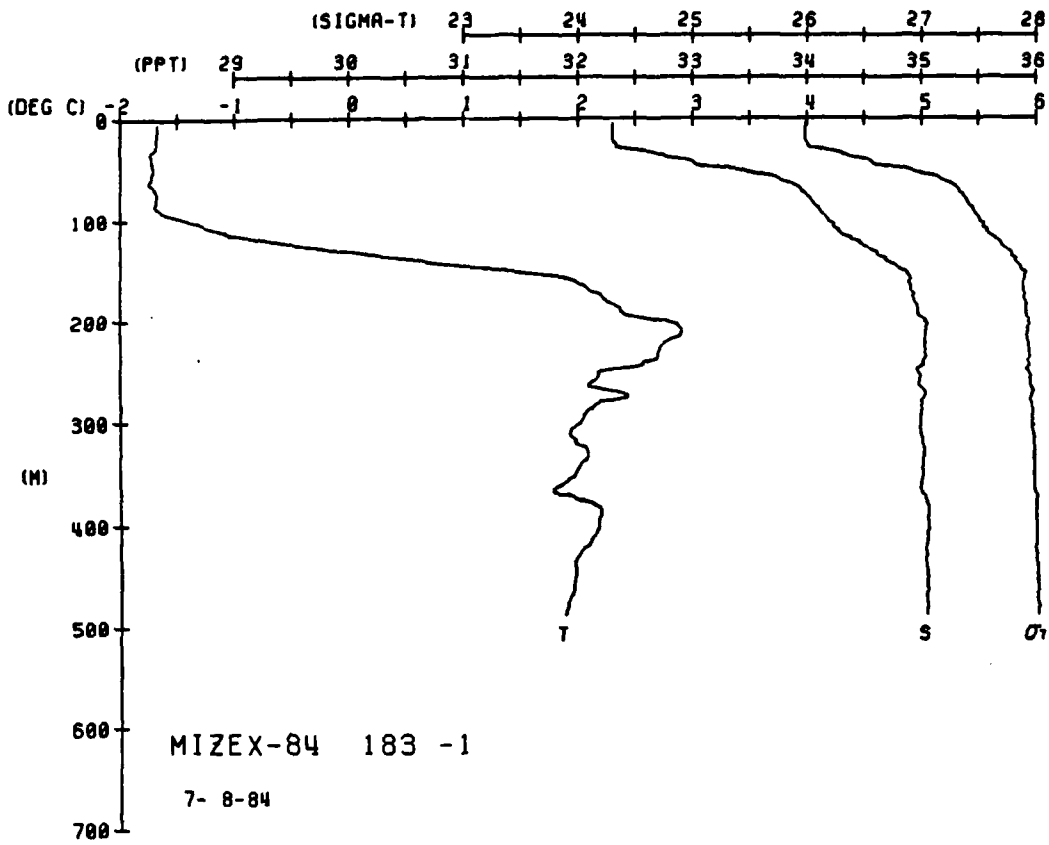




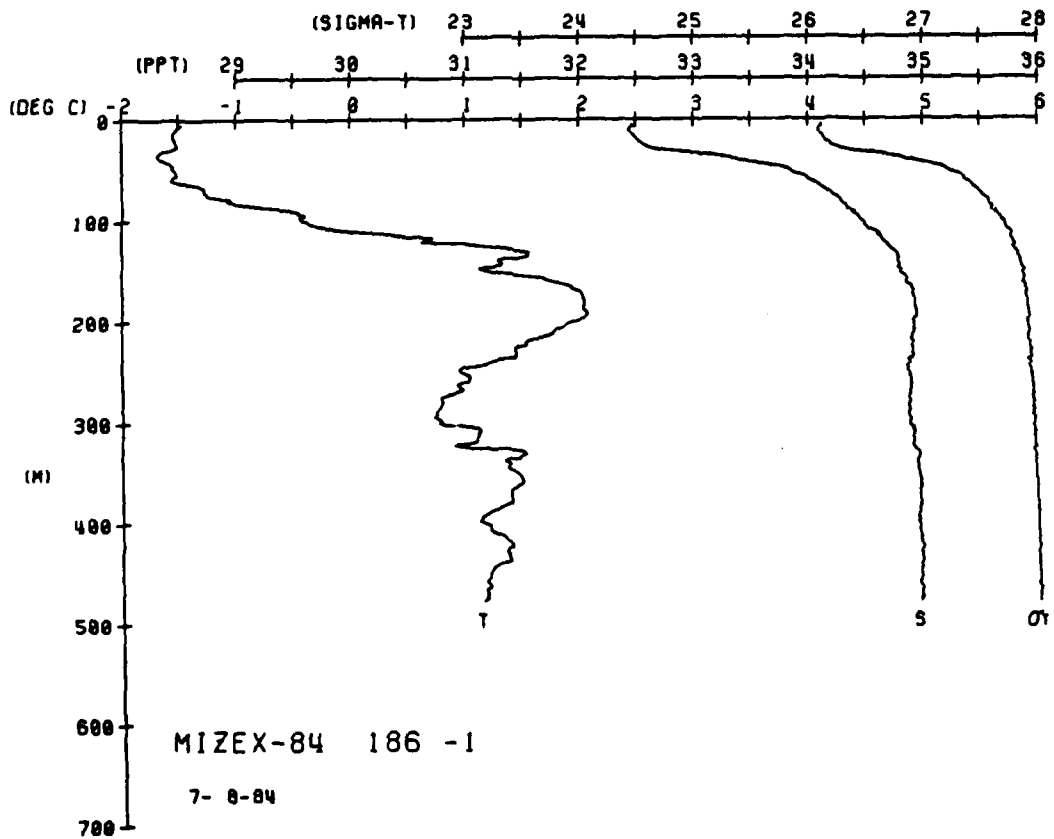
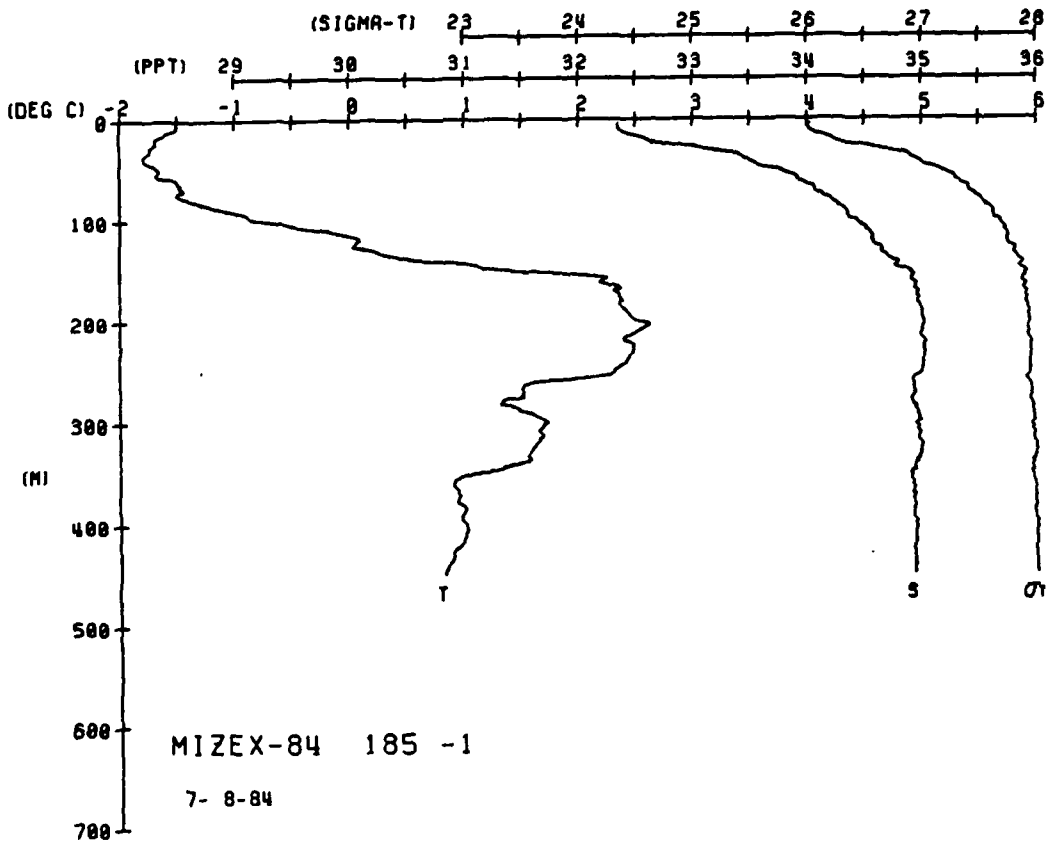










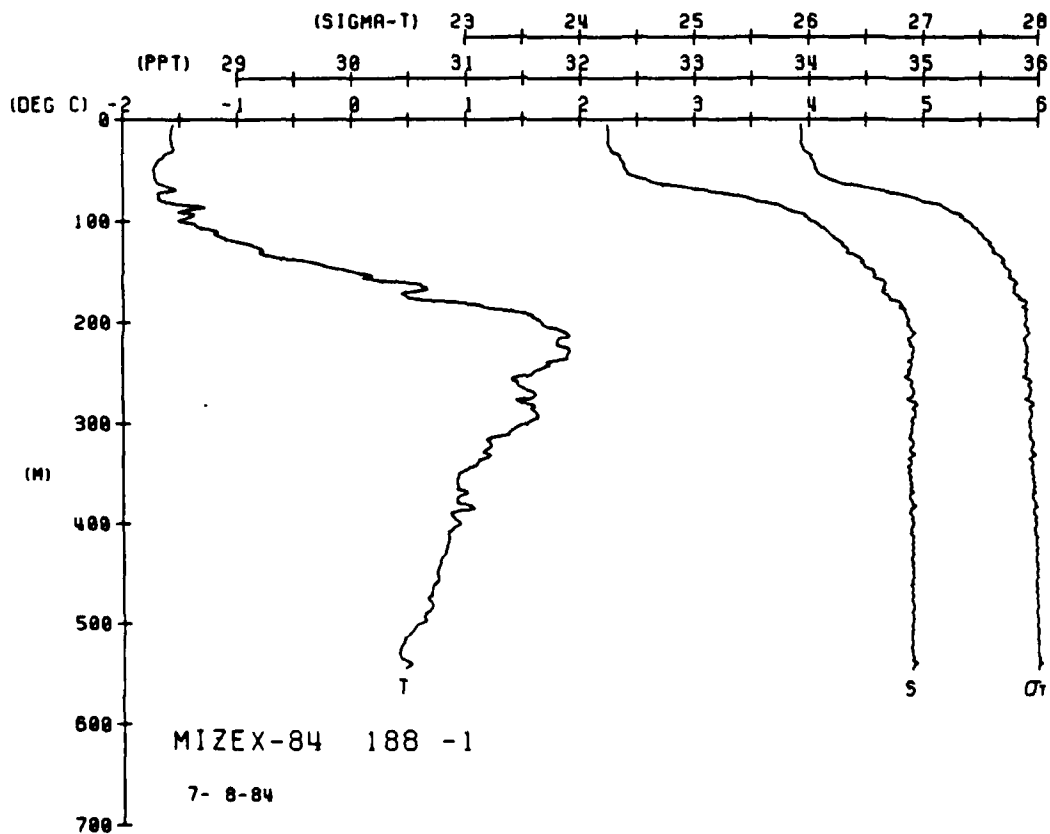
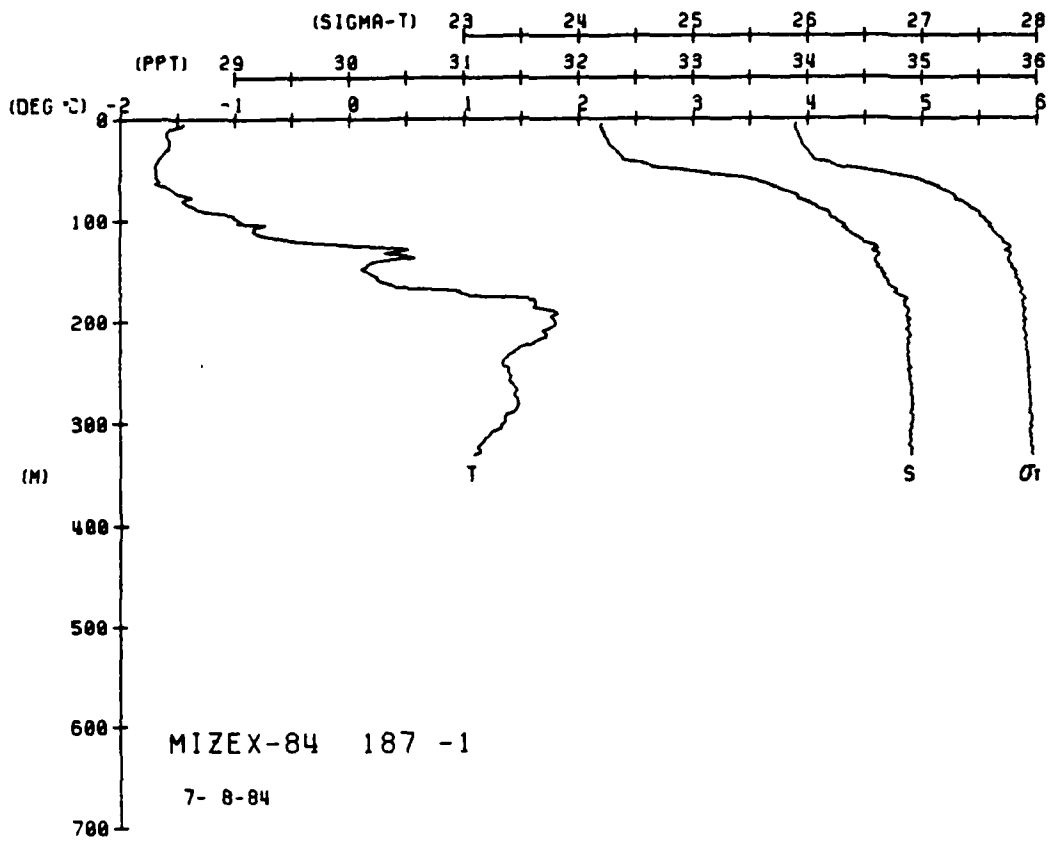


MIXEX-84 STATION 187(1) CTU 8/JUL/1984 2025 GMT CODE = 1  
LAT = 78.5217N LNC = 4.0733W LITER = 300 UCLER = 300  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

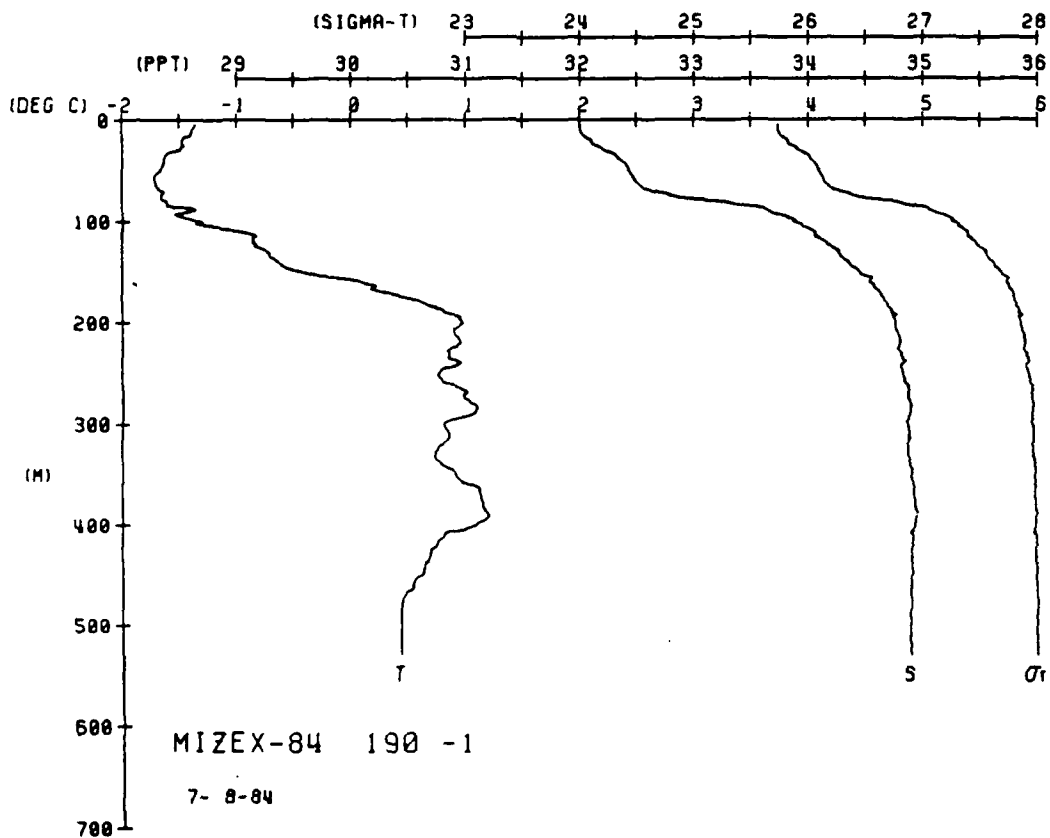
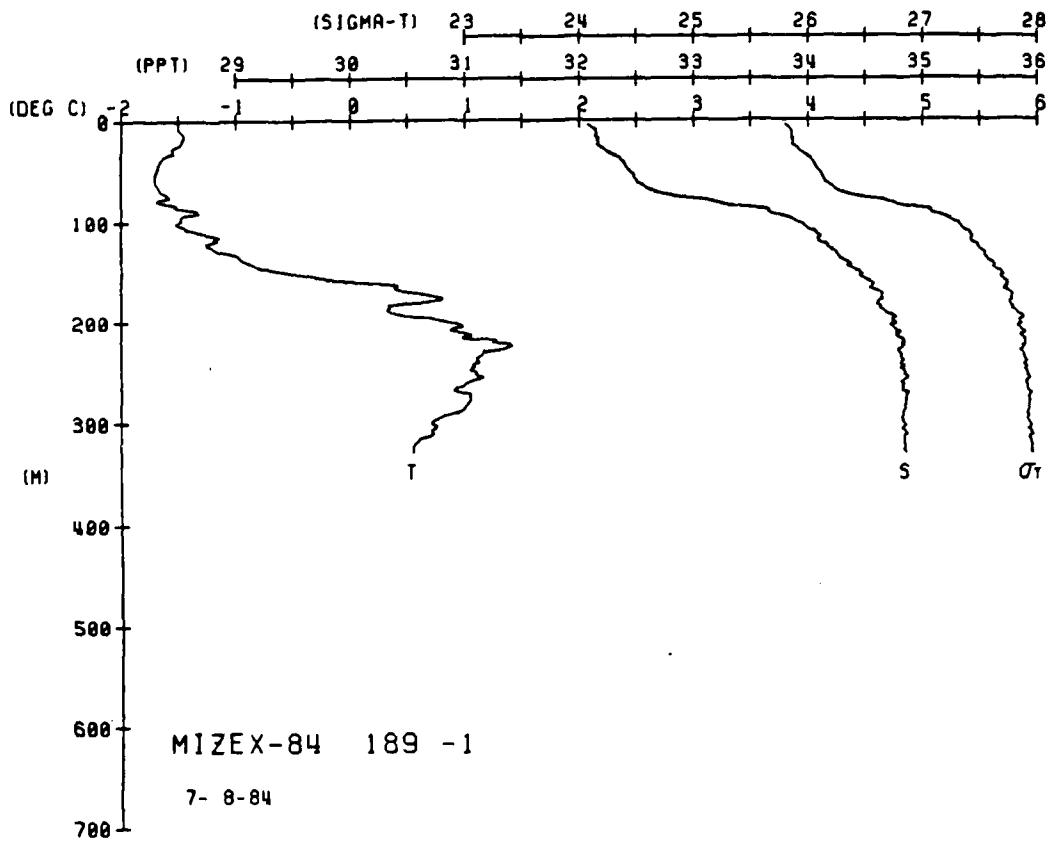
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHNT	SOUND
000	455	455	222	11	33	000	77
005	455	455	222	11	33	000	77
010	455	455	222	11	33	000	77
015	455	455	222	11	33	000	77
020	455	455	222	11	33	000	77
025	455	455	222	11	33	000	77
030	455	455	222	11	33	000	77
035	455	455	222	11	33	000	77
040	455	455	222	11	33	000	77
045	455	455	222	11	33	000	77
050	455	455	222	11	33	000	77
055	455	455	222	11	33	000	77
060	455	455	222	11	33	000	77
065	455	455	222	11	33	000	77
070	455	455	222	11	33	000	77
075	455	455	222	11	33	000	77
080	455	455	222	11	33	000	77
085	455	455	222	11	33	000	77
090	455	455	222	11	33	000	77
095	455	455	222	11	33	000	77
100	455	455	222	11	33	000	77
105	455	455	222	11	33	000	77
110	455	455	222	11	33	000	77
115	455	455	222	11	33	000	77
120	455	455	222	11	33	000	77
125	455	455	222	11	33	000	77
130	455	455	222	11	33	000	77
135	455	455	222	11	33	000	77
140	455	455	222	11	33	000	77
145	455	455	222	11	33	000	77
150	455	455	222	11	33	000	77
155	455	455	222	11	33	000	77
160	455	455	222	11	33	000	77
165	455	455	222	11	33	000	77
170	455	455	222	11	33	000	77
175	455	455	222	11	33	000	77
180	455	455	222	11	33	000	77
185	455	455	222	11	33	000	77
190	455	455	222	11	33	000	77
195	455	455	222	11	33	000	77
200	455	455	222	11	33	000	77

MIXEX-84 STATION 189(1) CTU 8/JUL/1984 2101 GMT CODE = 1  
LAT = 78.9200N LNC = 4.6767W LITER = 300 UCLER = 300  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHNT	SOUND
000	422	422	222	11	11	000	88
005	422	422	222	11	11	000	88
010	422	422	222	11	11	000	88
015	422	422	222	11	11	000	88
020	422	422	222	11	11	000	88
025	422	422	222	11	11	000	88
030	422	422	222	11	11	000	88
035	422	422	222	11	11	000	88
040	422	422	222	11	11	000	88
045	422	422	222	11	11	000	88
050	422	422	222	11	11	000	88
055	422	422	222	11	11	000	88
060	422	422	222	11	11	000	88
065	422	422	222	11	11	000	88
070	422	422	222	11	11	000	88
075	422	422	222	11	11	000	88
080	422	422	222	11	11	000	88
085	422	422	222	11	11	000	88
090	422	422	222	11	11	000	88
095	422	422	222	11	11	000	88
100	422	422	222	11	11	000	88
105	422	422	222	11	11	000	88
110	422	422	222	11	11	000	88
115	422	422	222	11	11	000	88
120	422	422	222	11	11	000	88
125	422	422	222	11	11	000	88
130	422	422	222	11	11	000	88
135	422	422	222	11	11	000	88
140	422	422	222	11	11	000	88
145	422	422	222	11	11	000	88
150	422	422	222	11	11	000	88
155	422	422	222	11	11	000	88
160	422	422	222	11	11	000	88
165	422	422	222	11	11	000	88
170	422	422	222	11	11	000	88
175	422	422	222	11	11	000	88
180	422	422	222	11	11	000	88
185	422	422	222	11	11	000	88
190	422	422	222	11	11	000	88
195	422	422	222	11	11	000	88
200	422	422	222	11	11	000	88

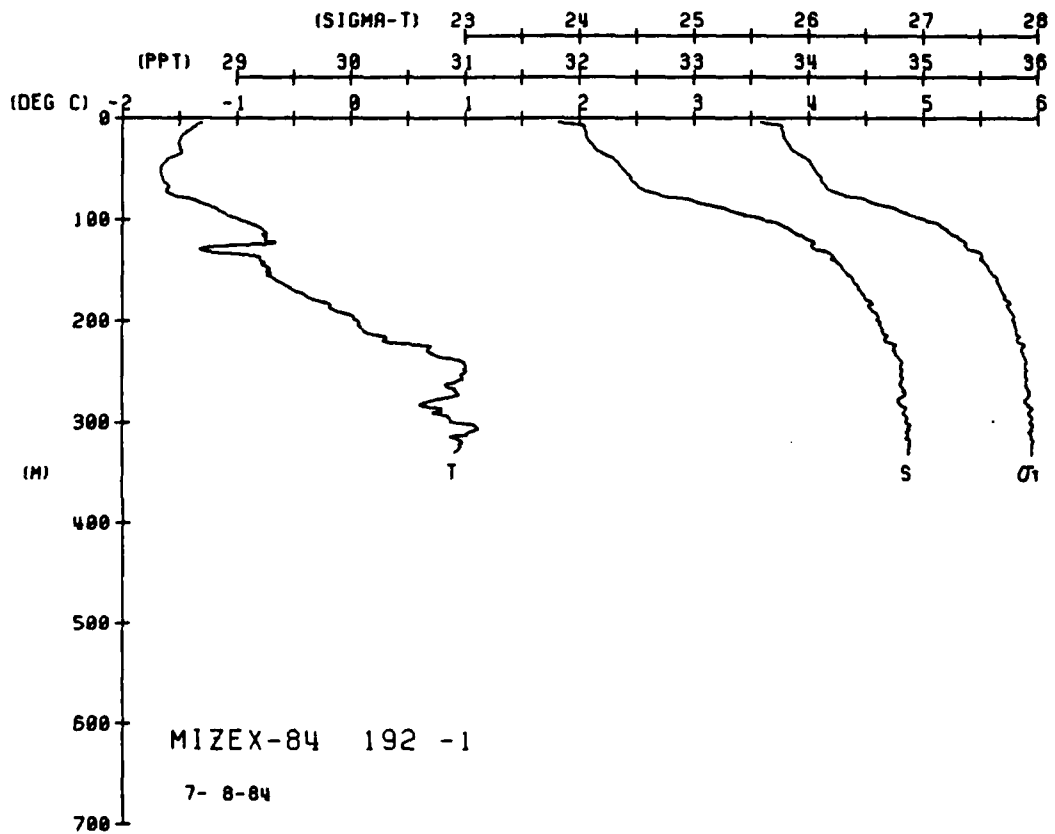
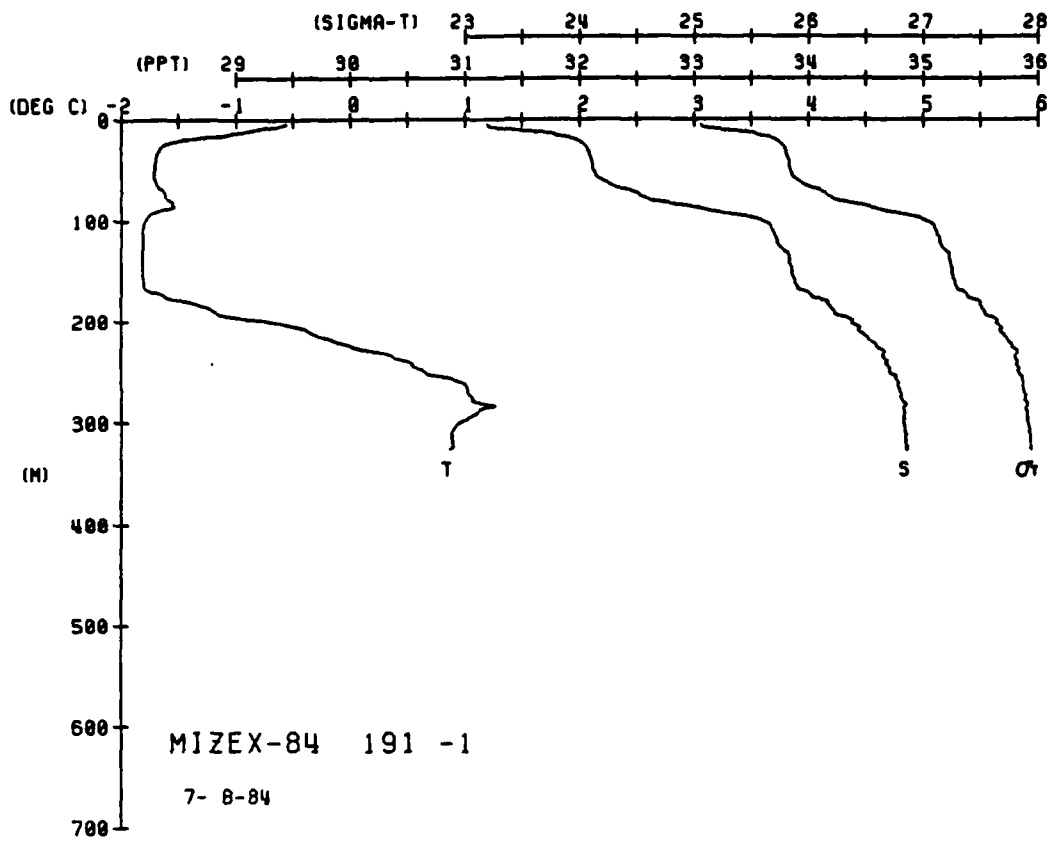




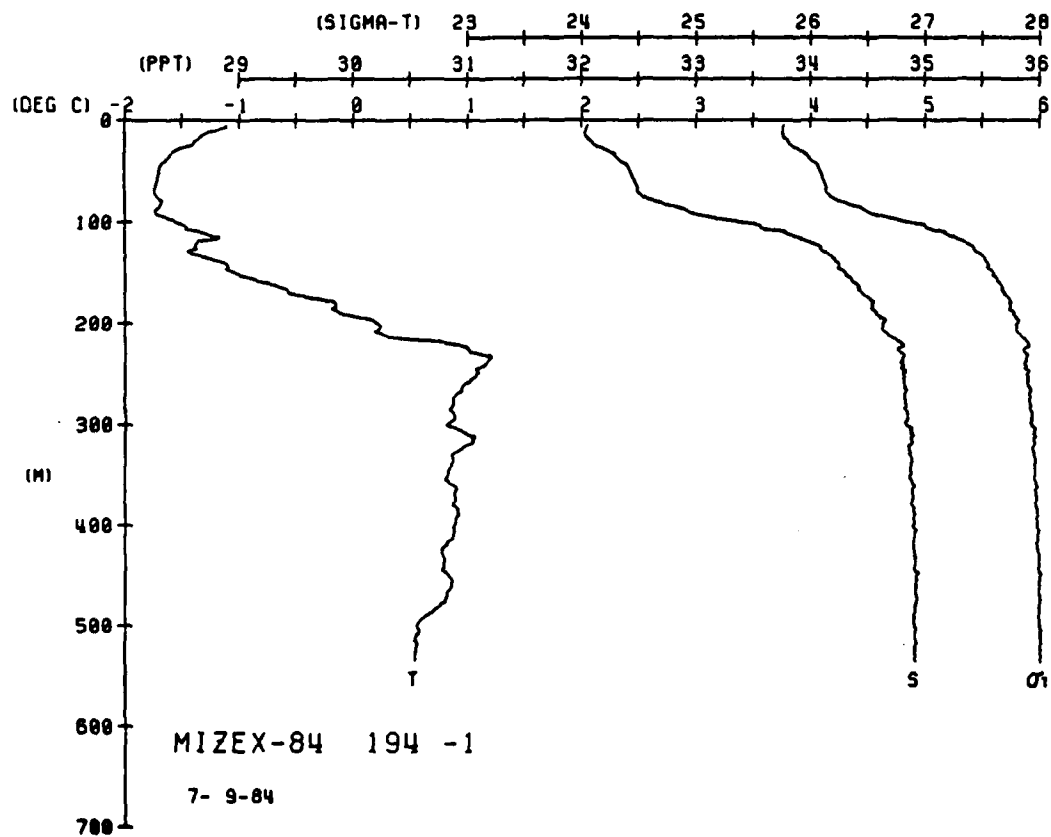
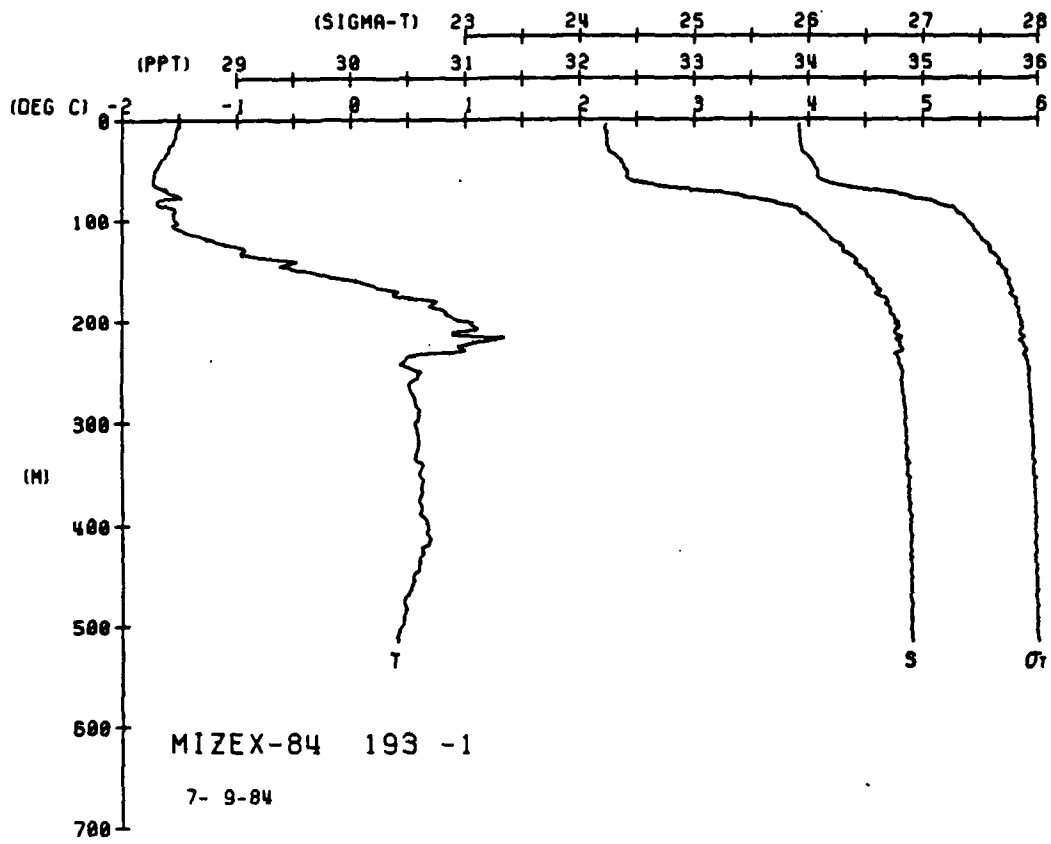




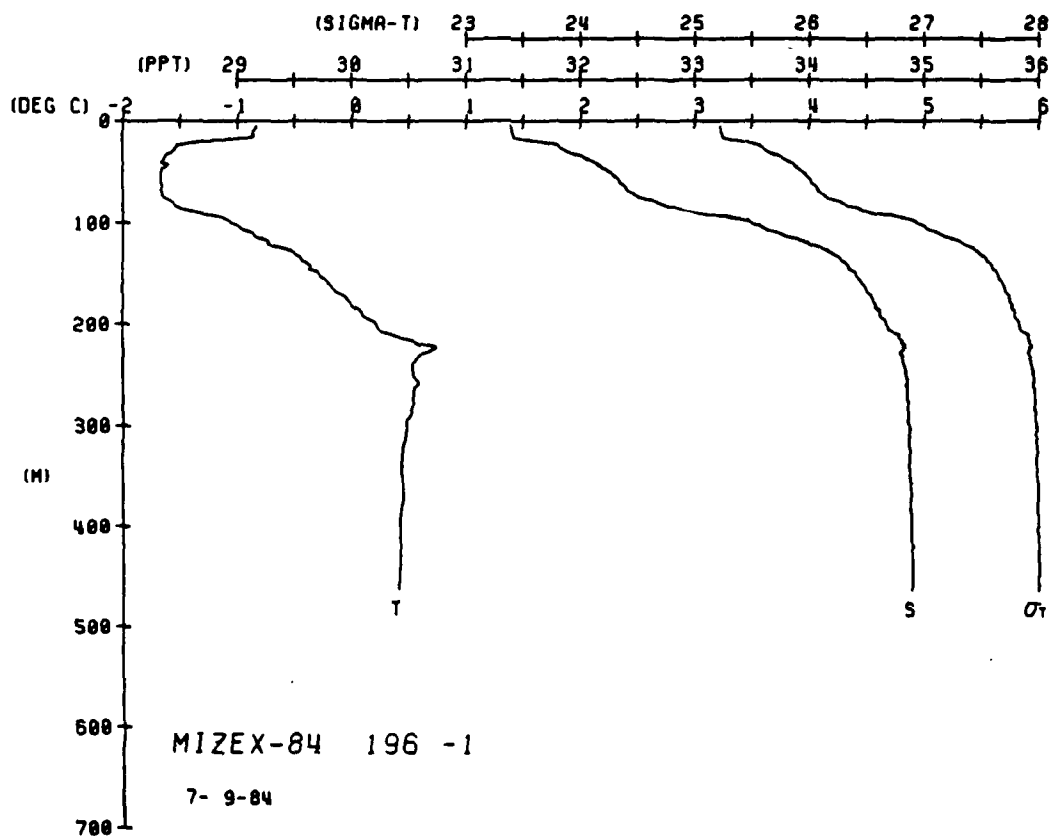
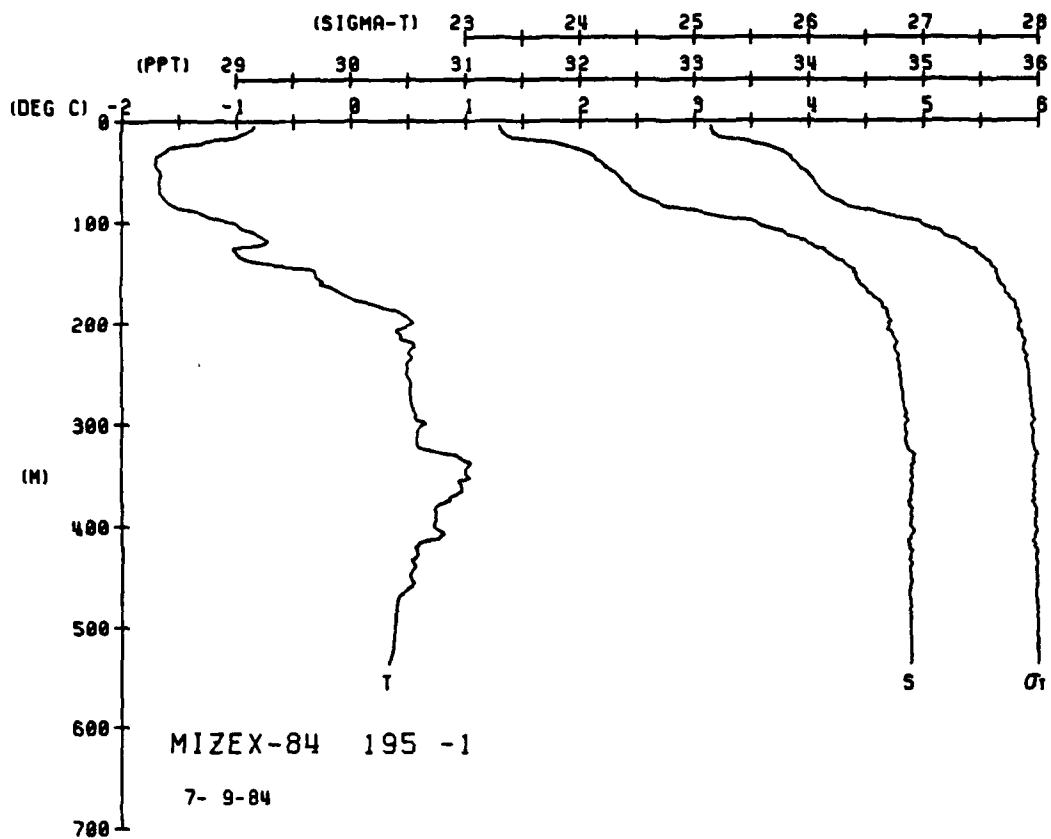




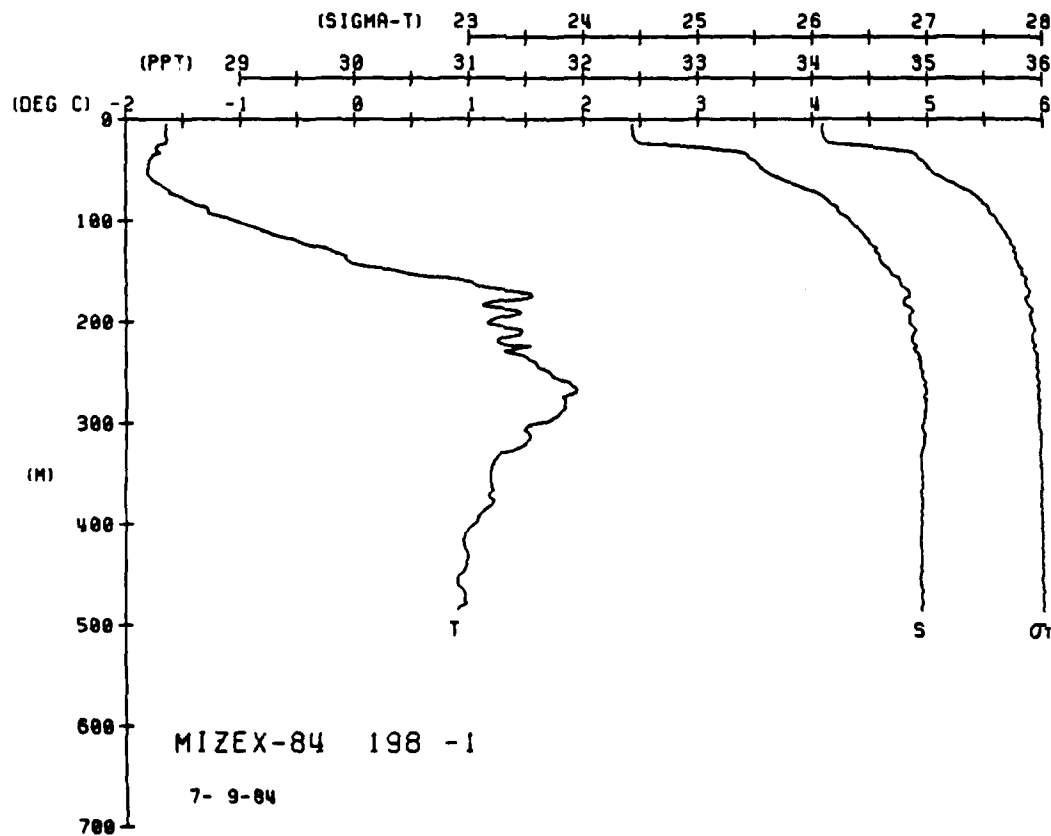
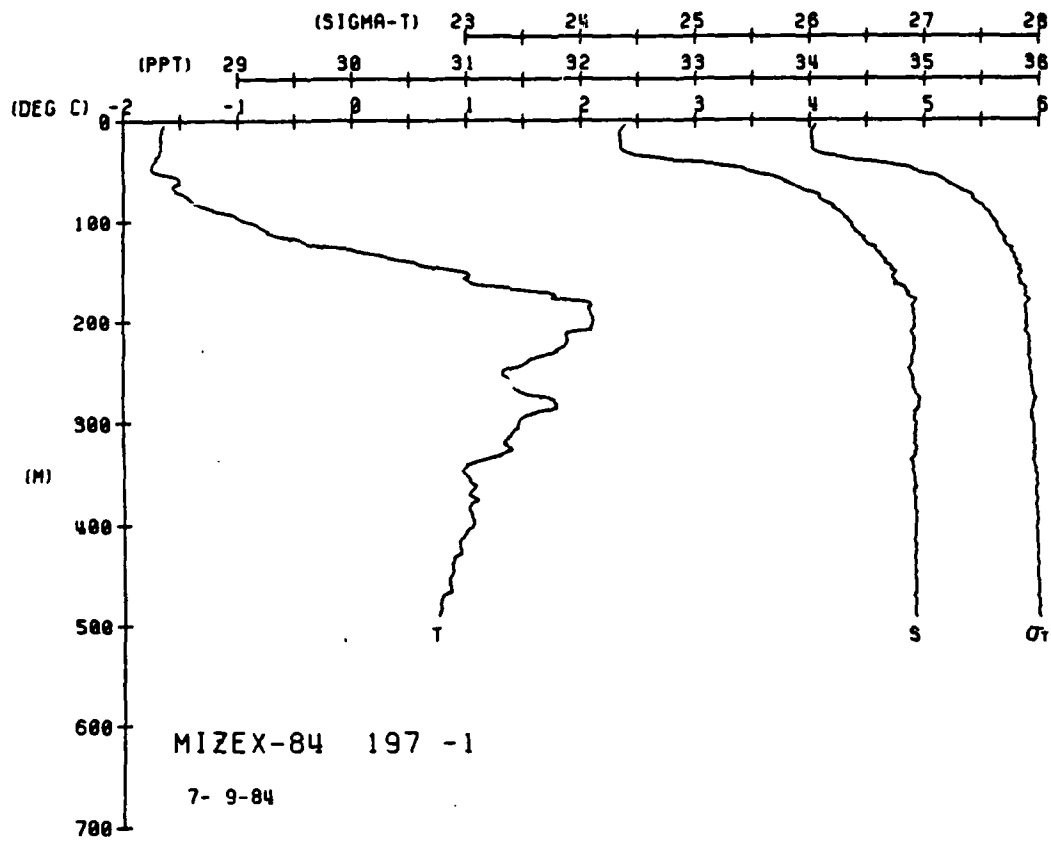






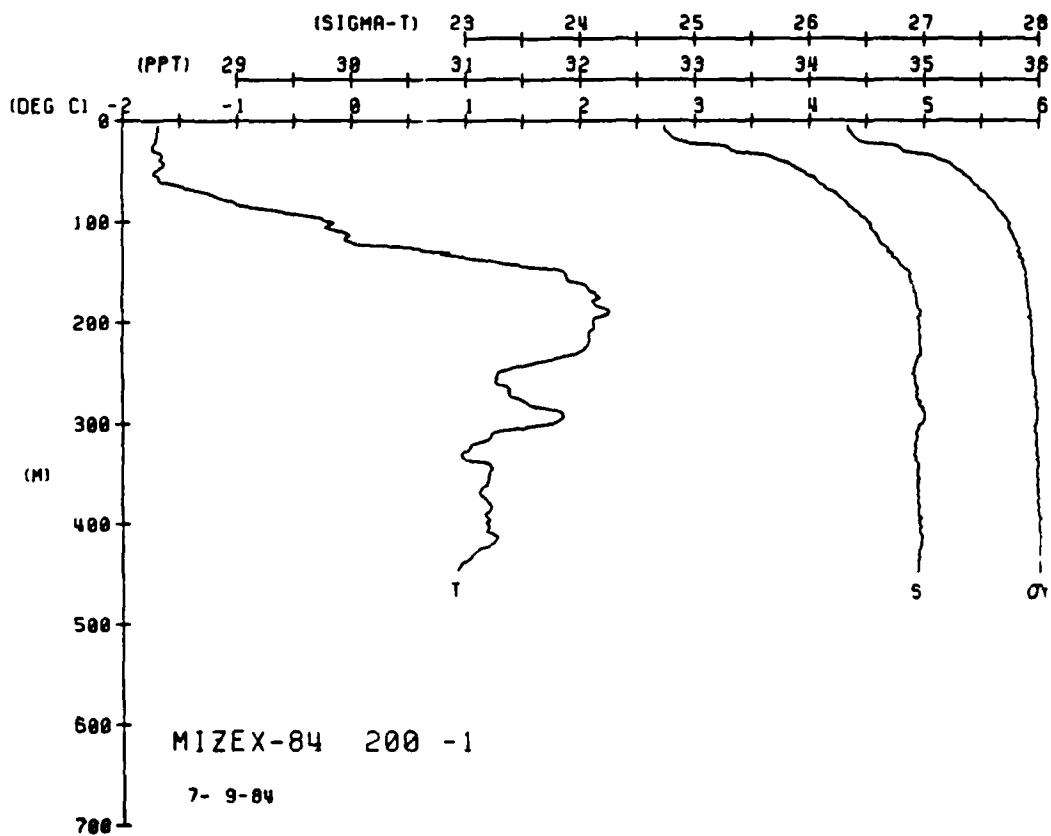
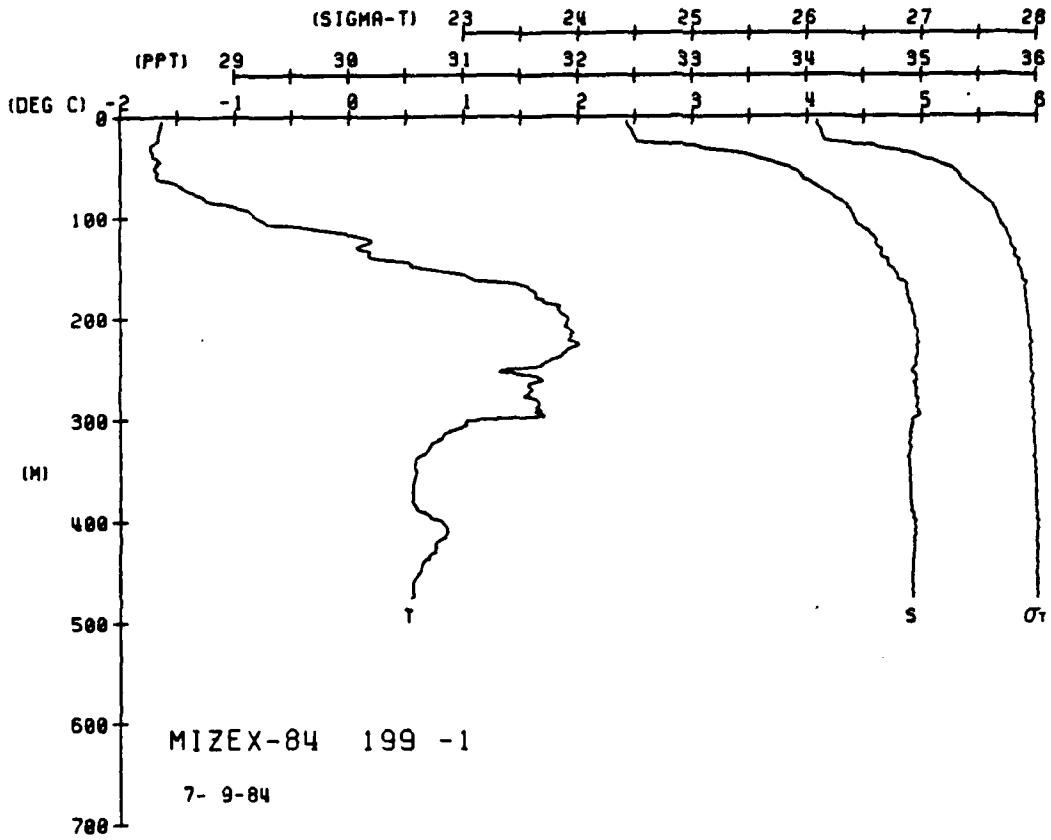




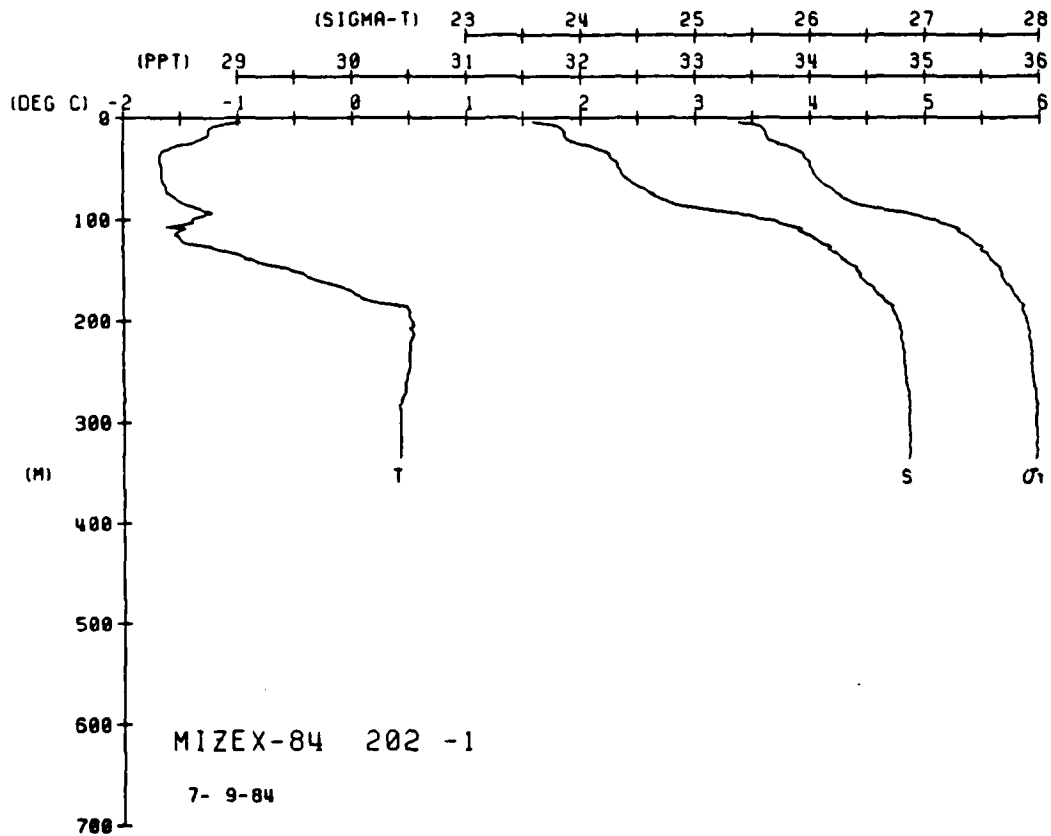
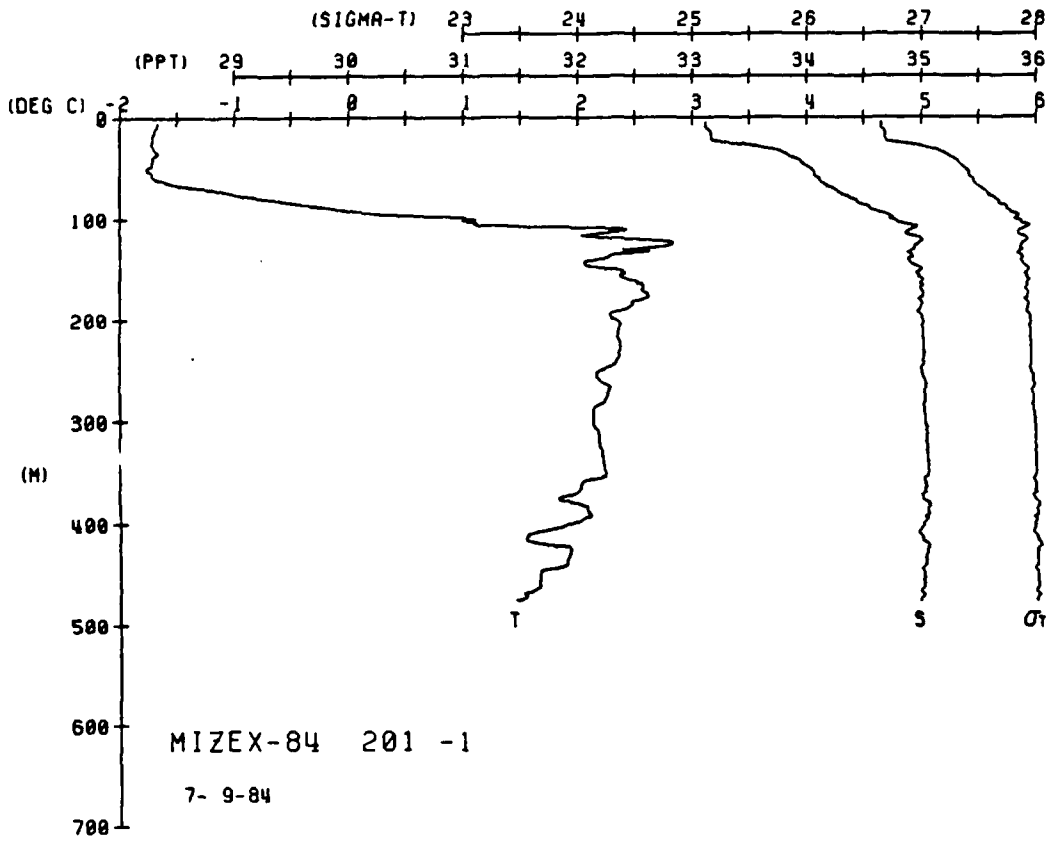




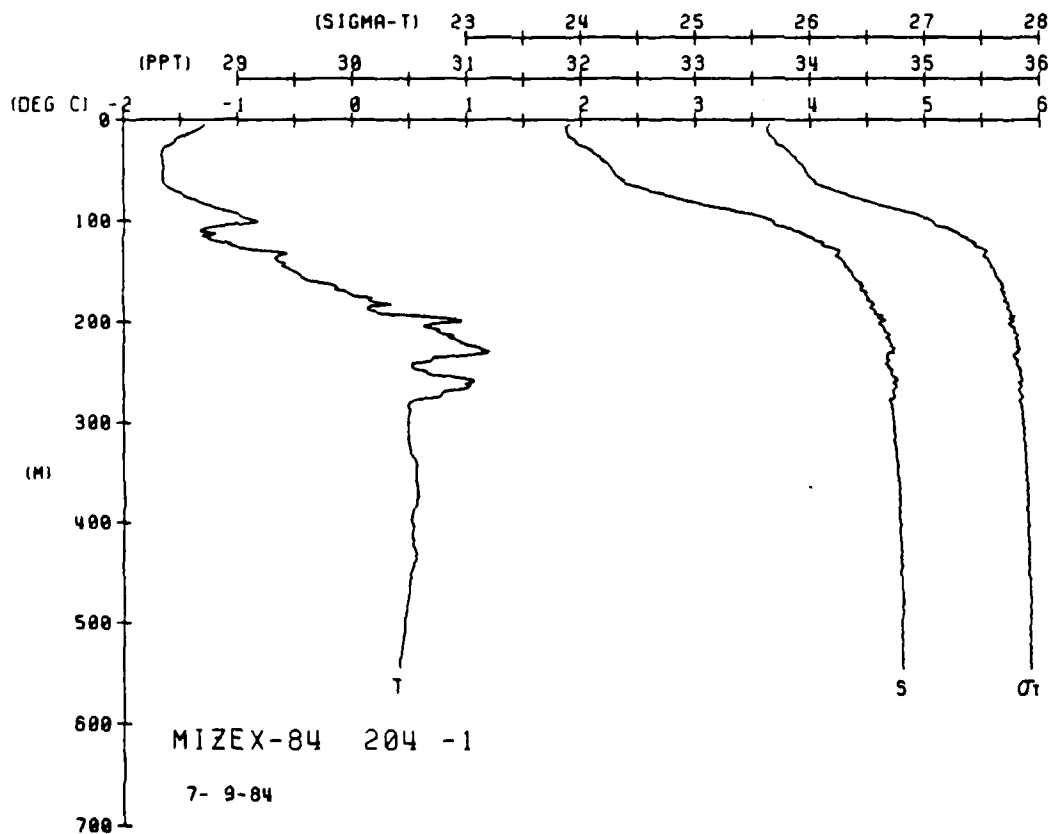
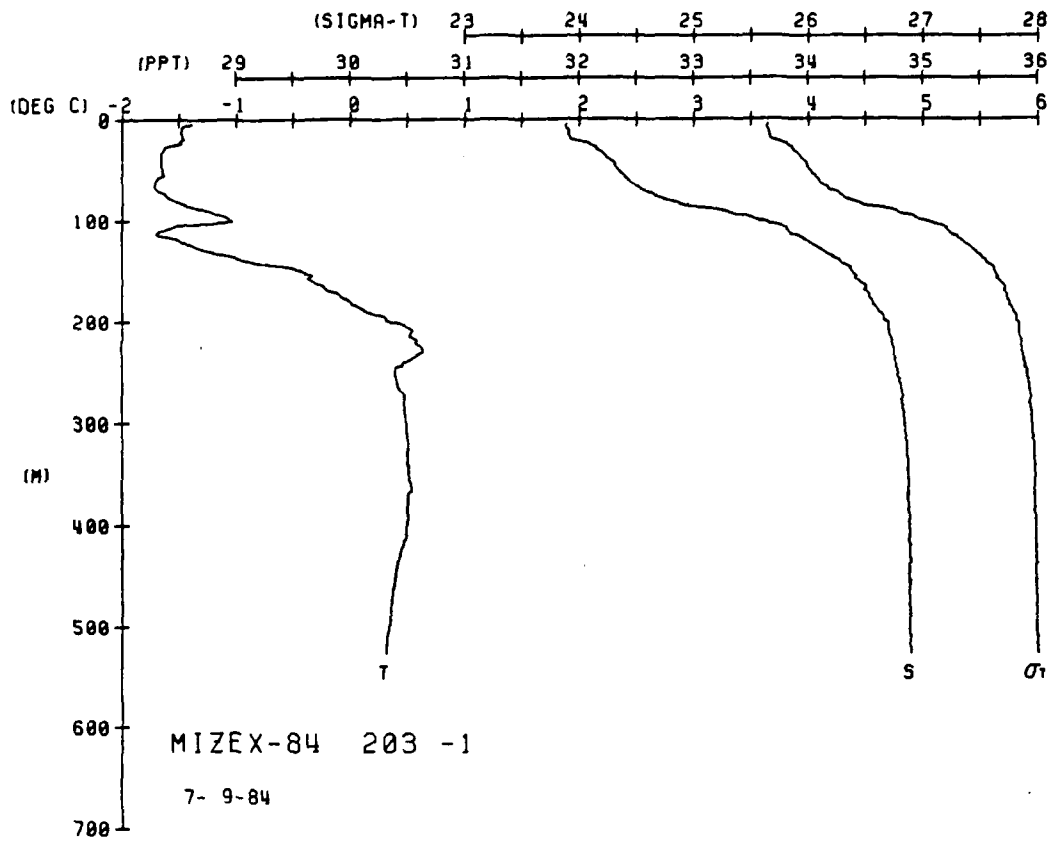




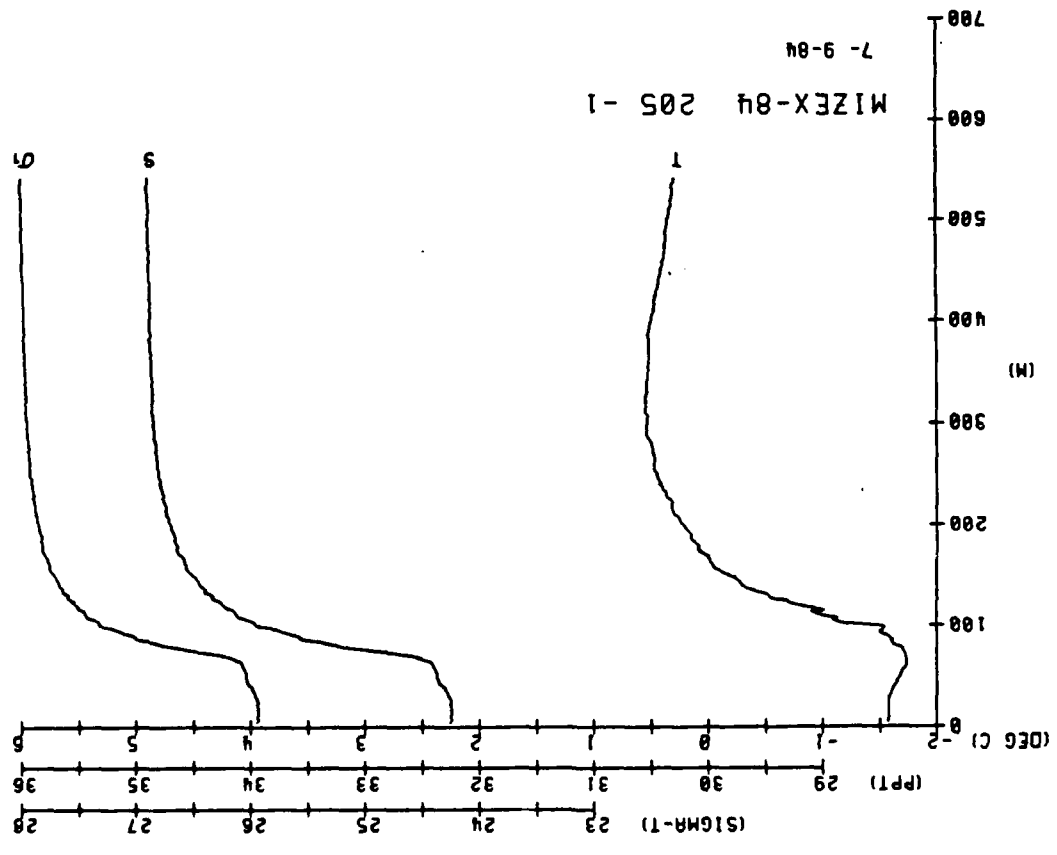
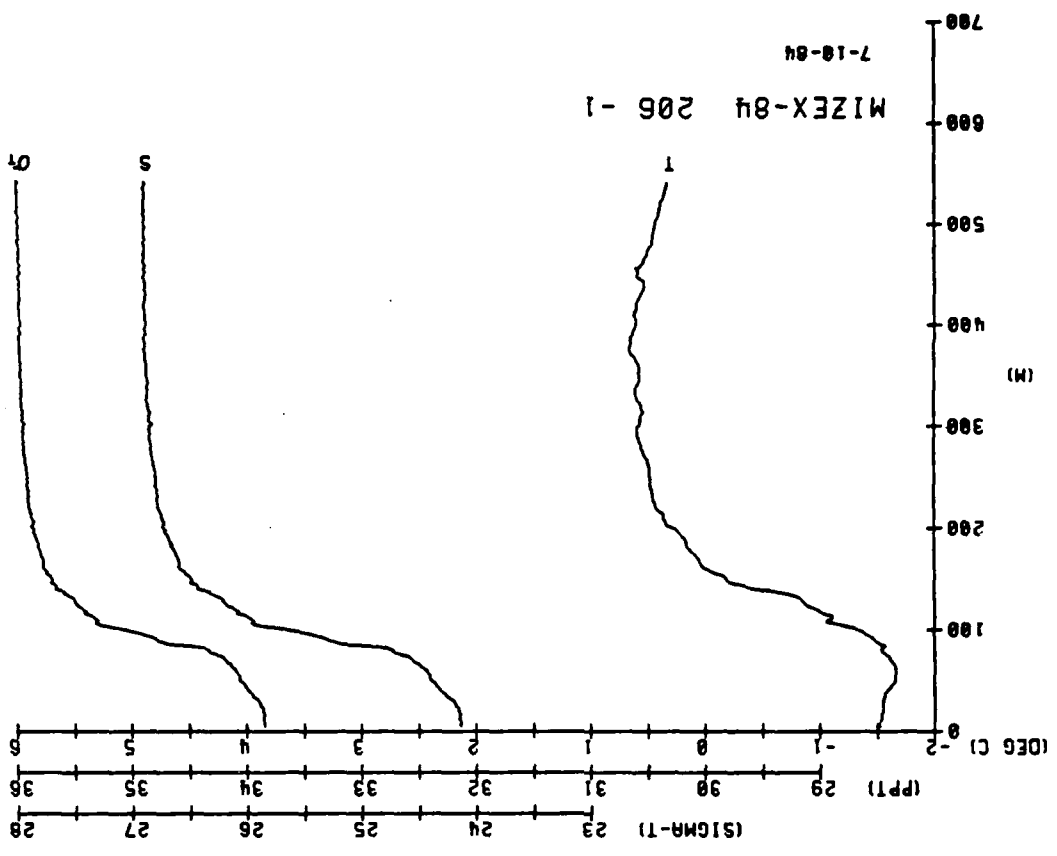






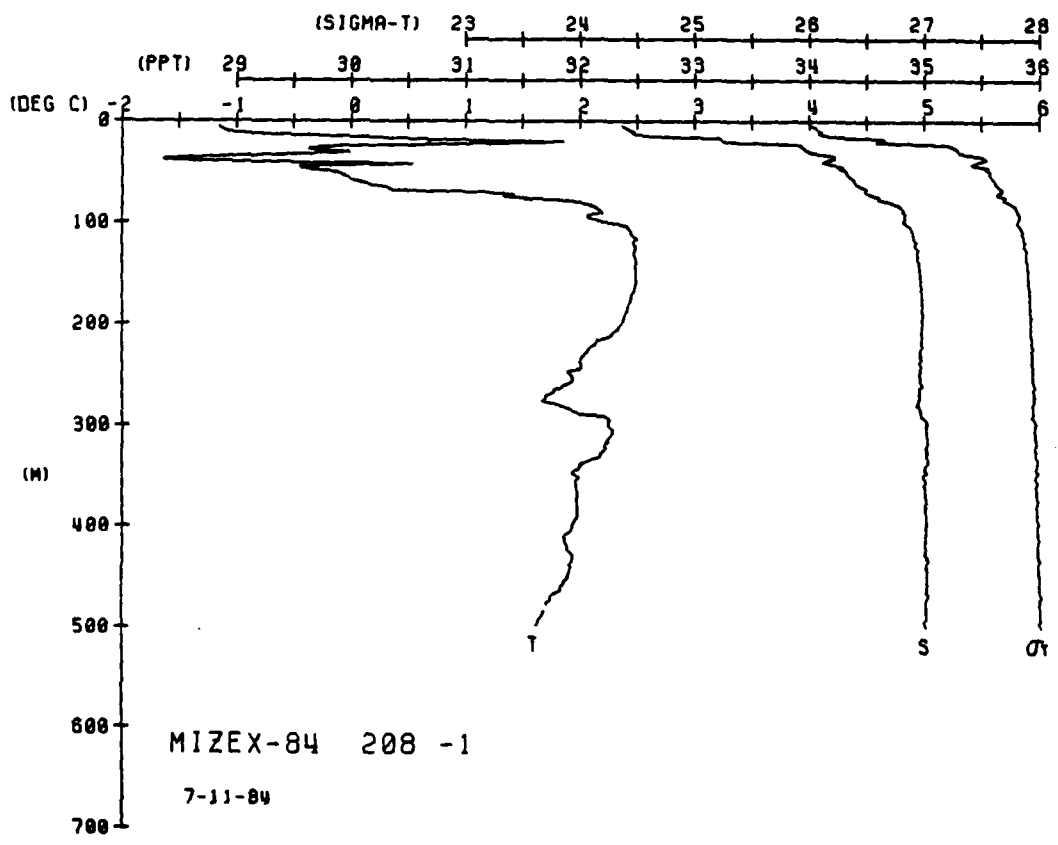
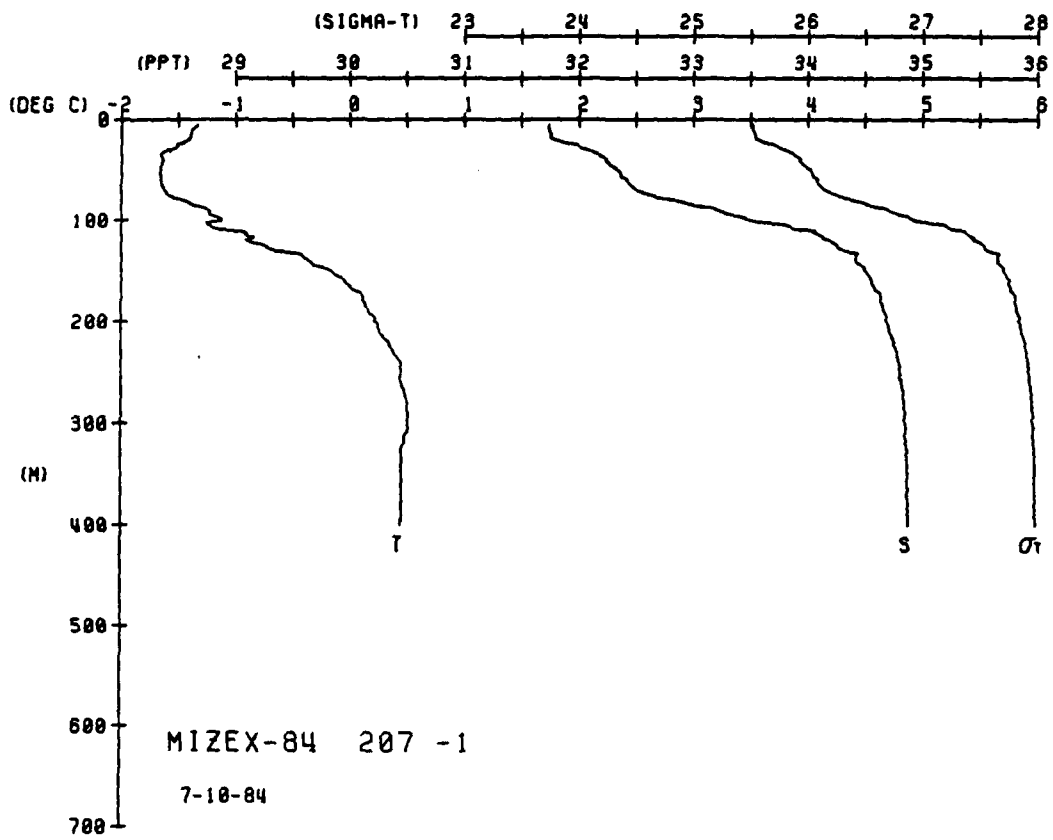




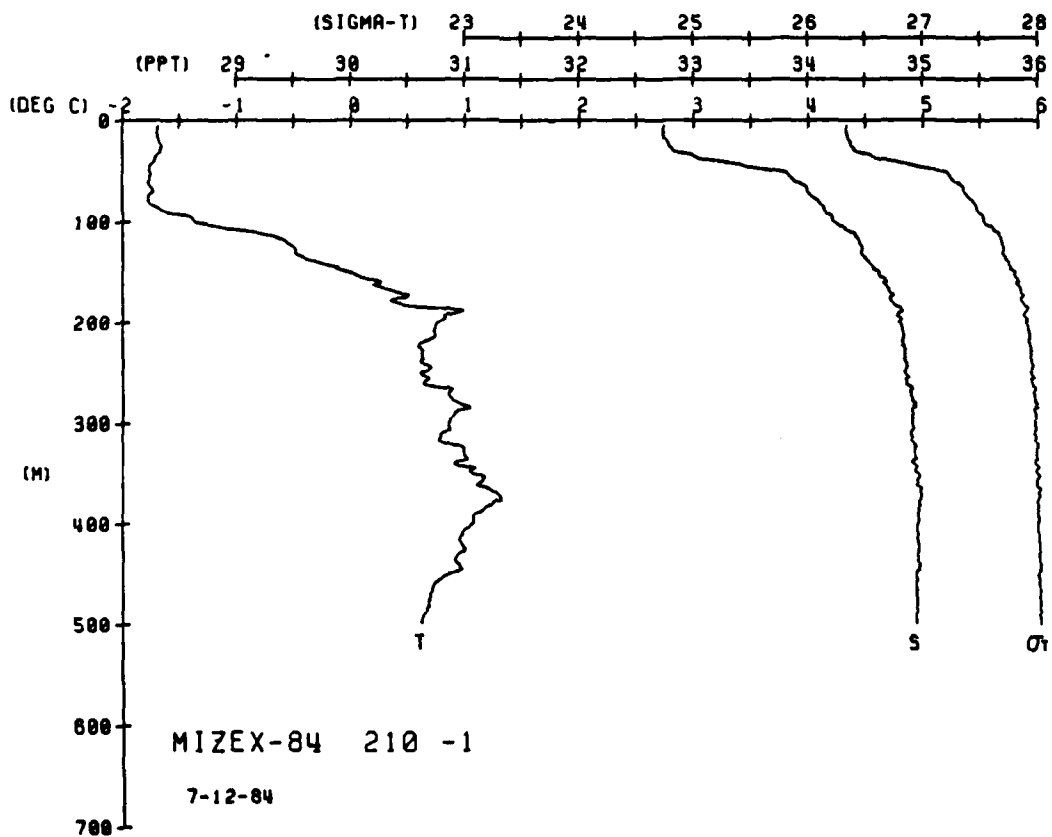
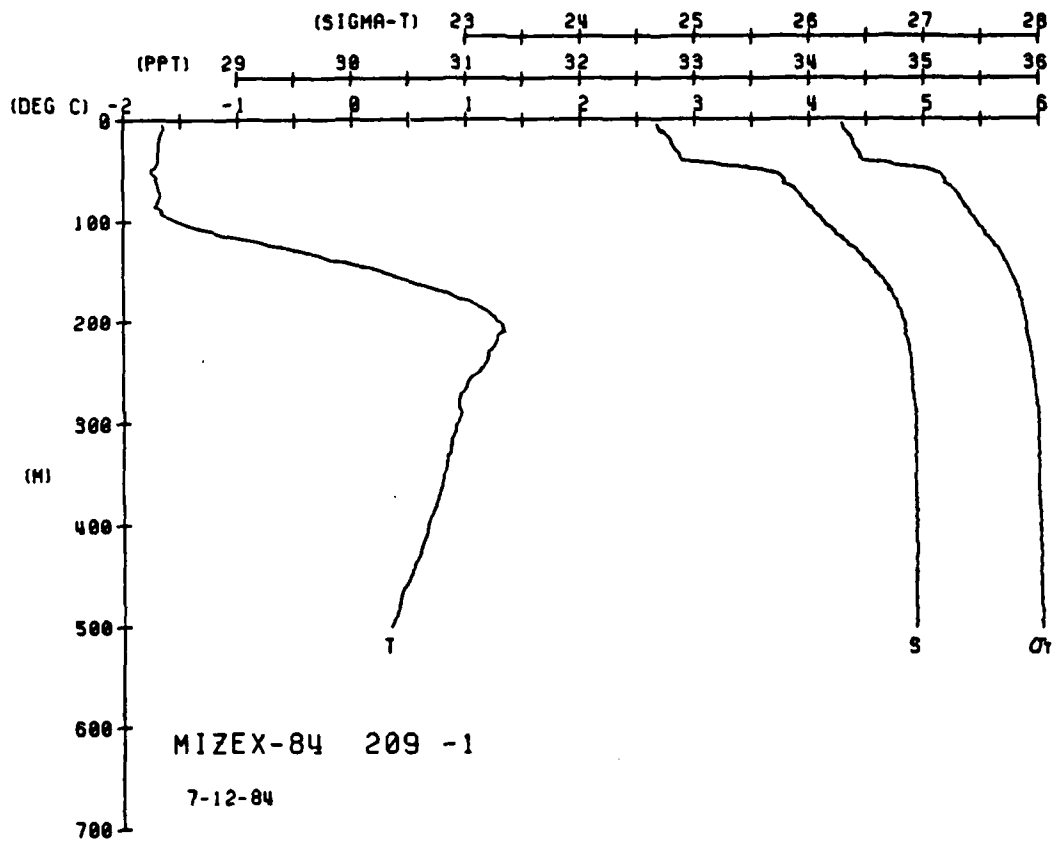




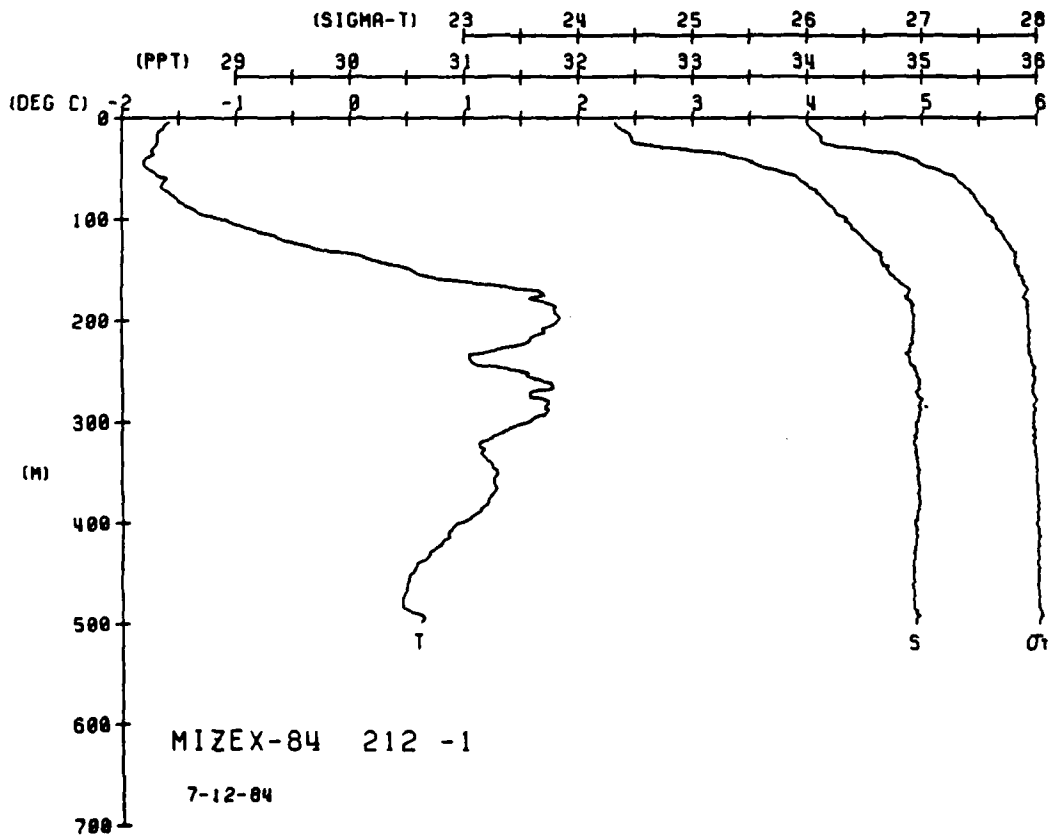
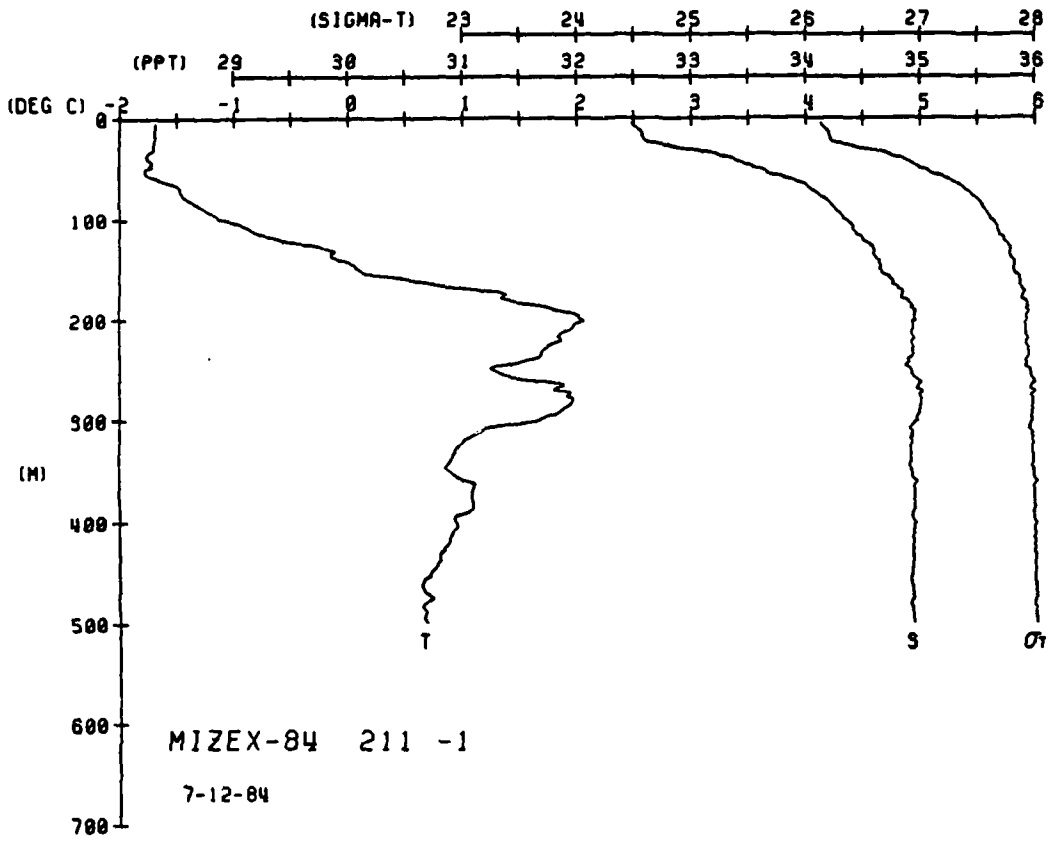






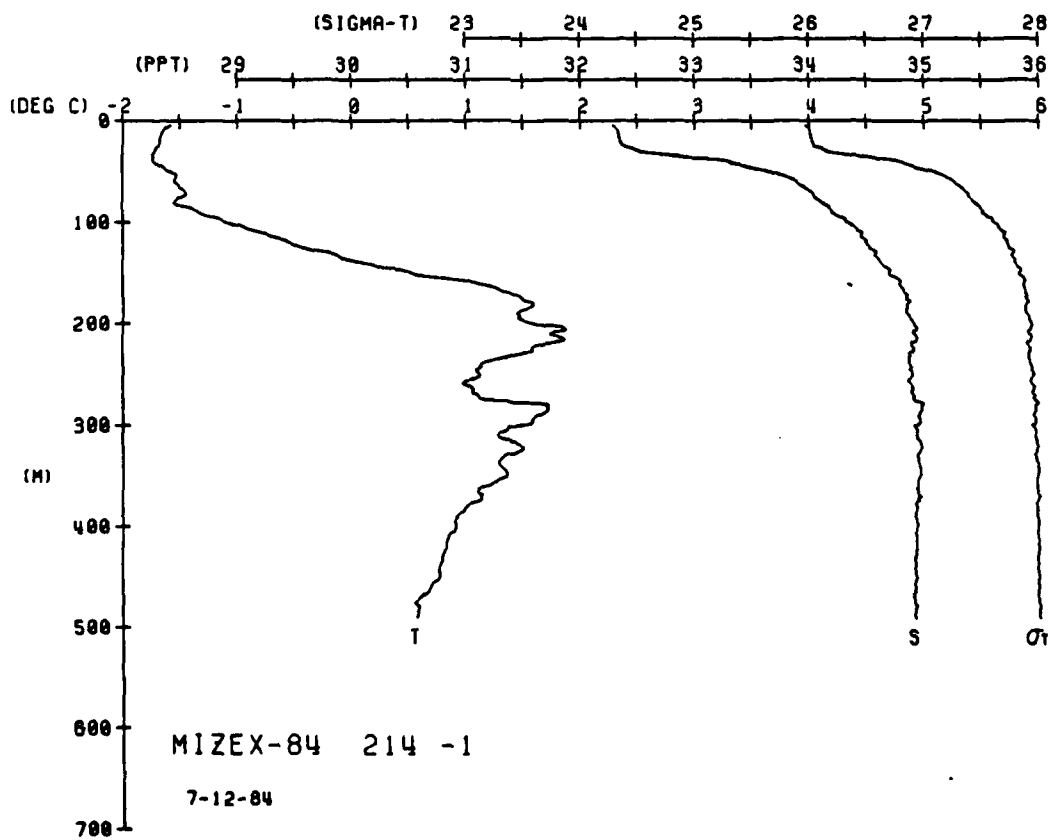
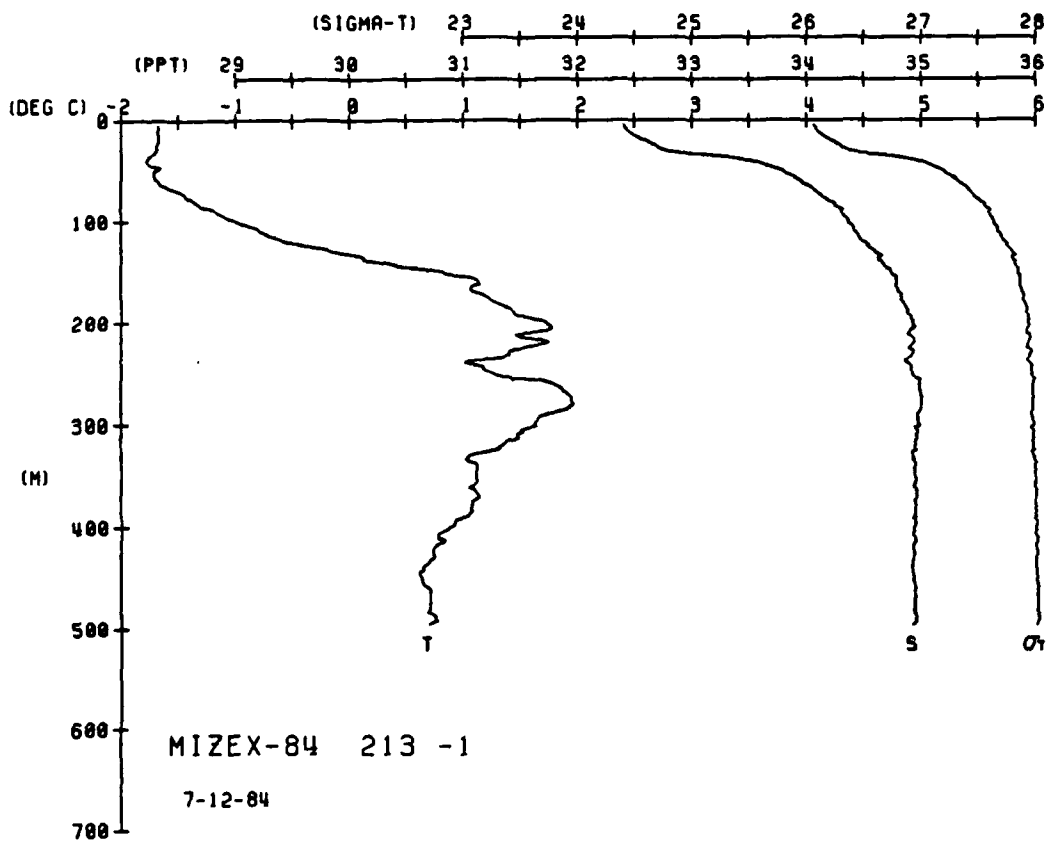






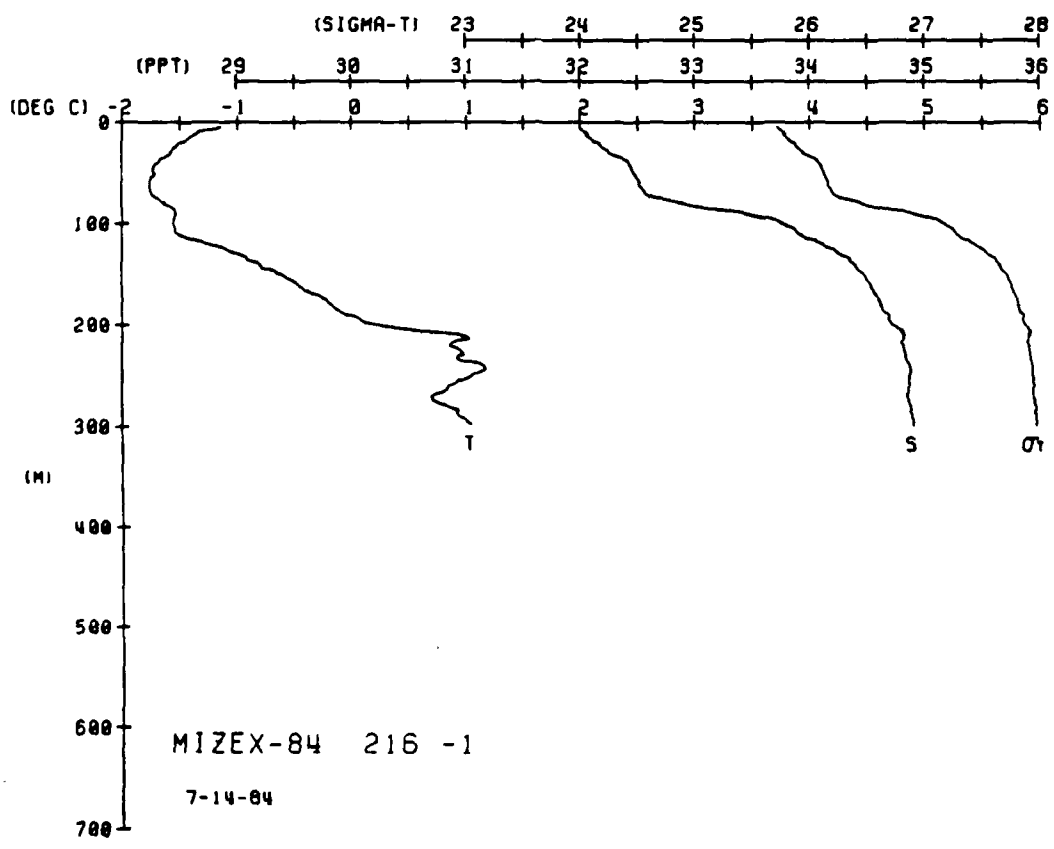
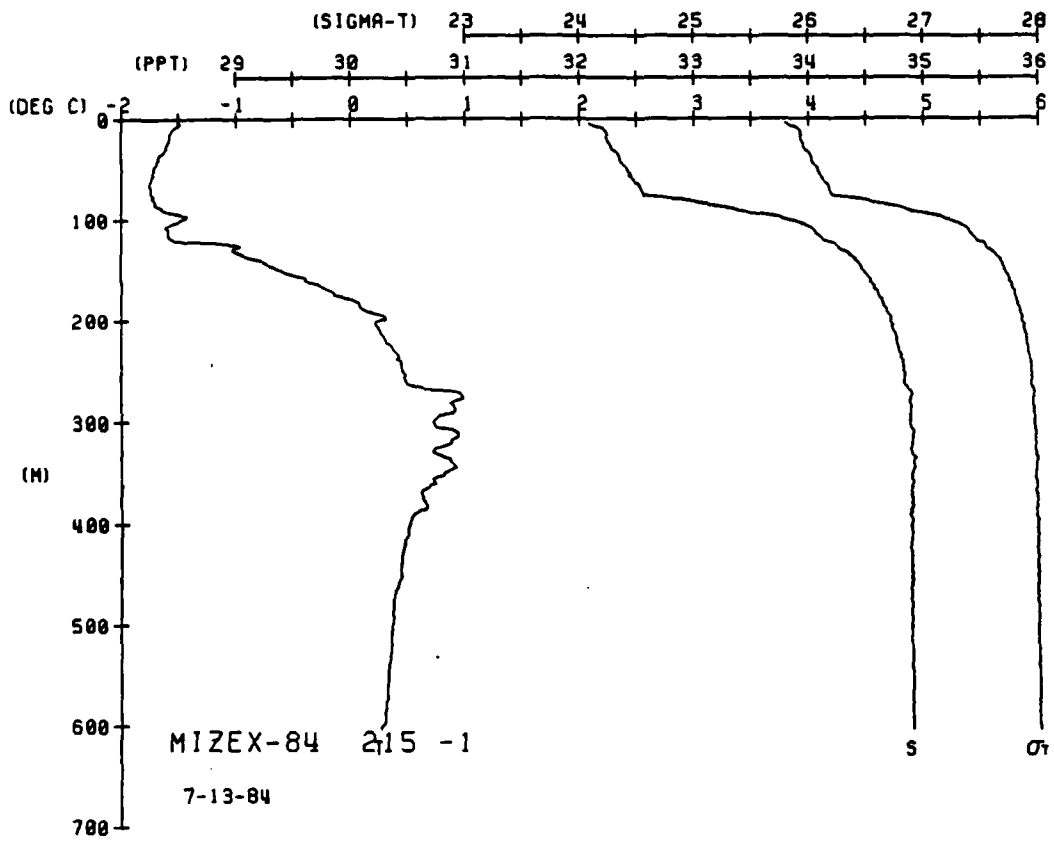
MIZEX-84 STATION 213(1) CTD 12/JUL/1984 1409 GMT CODE = 1  
LAT = 80.3750N LMG = 0.0333W LTER = 400 LGER = 400  
AIR TEMP = 0.0 WIND = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DIHMT	SOUND
0	66	11	33	22	99	00	11
5	67	11	33	22	99	00	11
10	67	11	33	22	99	00	11
15	67	11	33	22	99	00	11
20	67	11	33	22	99	00	11
25	67	11	33	22	99	00	11
30	67	11	33	22	99	00	11
35	67	11	33	22	99	00	11
40	67	11	33	22	99	00	11
45	67	11	33	22	99	00	11
50	67	11	33	22	99	00	11
55	67	11	33	22	99	00	11
60	67	11	33	22	99	00	11
65	67	11	33	22	99	00	11
70	67	11	33	22	99	00	11
75	67	11	33	22	99	00	11
80	67	11	33	22	99	00	11
85	67	11	33	22	99	00	11
90	67	11	33	22	99	00	11
95	67	11	33	22	99	00	11
100	67	11	33	22	99	00	11
105	67	11	33	22	99	00	11
110	67	11	33	22	99	00	11
115	67	11	33	22	99	00	11
120	67	11	33	22	99	00	11
125	67	11	33	22	99	00	11
130	67	11	33	22	99	00	11
135	67	11	33	22	99	00	11
140	67	11	33	22	99	00	11
145	67	11	33	22	99	00	11
150	67	11	33	22	99	00	11
155	67	11	33	22	99	00	11
160	67	11	33	22	99	00	11
165	67	11	33	22	99	00	11
170	67	11	33	22	99	00	11
175	67	11	33	22	99	00	11
180	67	11	33	22	99	00	11
185	67	11	33	22	99	00	11
190	67	11	33	22	99	00	11
195	67	11	33	22	99	00	11
200	67	11	33	22	99	00	11
205	67	11	33	22	99	00	11
210	67	11	33	22	99	00	11
215	67	11	33	22	99	00	11
220	67	11	33	22	99	00	11
225	67	11	33	22	99	00	11
230	67	11	33	22	99	00	11
235	67	11	33	22	99	00	11
240	67	11	33	22	99	00	11
245	67	11	33	22	99	00	11
250	67	11	33	22	99	00	11
255	67	11	33	22	99	00	11
260	67	11	33	22	99	00	11
265	67	11	33	22	99	00	11
270	67	11	33	22	99	00	11
275	67	11	33	22	99	00	11
280	67	11	33	22	99	00	11
285	67	11	33	22	99	00	11
290	67	11	33	22	99	00	11
295	67	11	33	22	99	00	11
300	67	11	33	22	99	00	11
305	67	11	33	22	99	00	11
310	67	11	33	22	99	00	11
315	67	11	33	22	99	00	11
320	67	11	33	22	99	00	11
325	67	11	33	22	99	00	11
330	67	11	33	22	99	00	11
335	67	11	33	22	99	00	11
340	67	11	33	22	99	00	11
345	67	11	33	22	99	00	11
350	67	11	33	22	99	00	11
355	67	11	33	22	99	00	11
360	67	11	33	22	99	00	11
365	67	11	33	22	99	00	11
370	67	11	33	22	99	00	11
375	67	11	33	22	99	00	11
380	67	11	33	22	99	00	11
385	67	11	33	22	99	00	11
390	67	11	33	22	99	00	11
395	67	11	33	22	99	00	11
400	67	11	33	22	99	00	11
405	67	11	33	22	99	00	11
410	67	11	33	22	99	00	11
415	67	11	33	22	99	00	11
420	67	11	33	22	99	00	11
425	67	11	33	22	99	00	11
430	67	11	33	22	99	00	11
435	67	11	33	22	99	00	11
440	67	11	33	22	99	00	11
445	67	11	33	22	99	00	11
450	67	11	33	22	99	00	11
455	67	11	33	22	99	00	11
460	67	11	33	22	99	00	11
465	67	11	33	22	99	00	11
470	67	11	33	22	99	00	11
475	67	11	33	22	99	00	11
480	67	11	33	22	99	00	11
485	67	11	33	22	99	00	11
490	67	11	33	22	99	00	11
495	67	11	33	22	99	00	11
500	67	11	33	22	99	00	11
505	67	11	33	22	99	00	11
510	67	11	33	22	99	00	11
515	67	11	33	22	99	00	11
520	67	11	33	22	99	00	11
525	67	11	33	22	99	00	11
530	67	11	33	22	99	00	11
535	67	11	33	22	99	00	11
540	67	11	33	22	99	00	11
545	67	11	33	22	99	00	11
550	67	11	33	22	99	00	11
555	67	11	33	22	99	00	11
560	67	11	33	22	99	00	11
565	67	11	33	22	99	00	11
570	67	11	33	22	99	00	11
575	67	11	33	22	99	00	11
580	67	11	33	22	99	00	11
585	67	11	33	22	99	00	11
590	67	11	33	22	99	00	11
595	67	11	33	22	99	00	11
600	67	11	33	22	99	00	11
605	67	11	33	22	99	00	11
610	67	11	33	22	99	00	11
615	67	11	33	22	99	00	11
620	67	11	33	22	99	00	11
625	67	11	33	22	99	00	11
630	67	11	33	22	99	00	11
635	67	11	33	22	99	00	11
640	67	11	33	22	99	00	11
645	67	11	33	22	99	00	11
650	67	11	33	22	99	00	11
655	67	11	33	22	99	00	11
660	67	11	33	22	99	00	11
665	67	11	33	22	99	00	11
670	67	11	33	22	99	00	11
675	67	11	33	22	99	00	11
680	67	11	33	22	99	00	11
685	67	11	33	22	99	00	11
690	67	11	33	22	99	00	11
695	67	11	33	22	99	00	11
700	67	11	33	22	99	00	11
705	67	11	33	22	99	00	11
710	67	11	33	22	99	00	11
715	67	11	33	22	99	00	11
720	67	11	33	22	99	00	11
725	67	11	33	22	99	00	11
730	67	11	33	22	99	00	11
735	67	11	33	22	99	00	11
740	67	11	33	22	99	00	11
745	67	11	33	22	99	00	11
750	67	11	33	22	99	00	11
755	67	11	33	22	99	00	11
760	67	11	33	22	99	00	11
765	67	11	33	22	99	00	11
770	67	11	33	22	99	00	11
775	67	11	33	22	99	00	11
780	67	11	33	22	99	00	11
785	67	11	33	22	99	00	11
790	67	11	33	22	99	00	11
795	67	11	33	22	99	00	11
800	67	11	33	22	99	00	11
805	67	11	33	22	99	00	11
810	67	11	33	22	99	00	11
815	67	11	33	22	99	00	11
820	67	11	33	22	99	00	11
825	67	11	33	22	99	00	11
830	67	11	33	22	99	00	11
835	67	11	33	22	99	00	11
840	67	11	33	22	99	00	11
845	67	11	33	22	99	00	11
850	67	11	33	22	99	00	11
855	67	11	33	22	99	00	11
860	67	11	33	22	99	00	11
865	67	11	33	22	99	00	11
870	67	11	33	22	99	00	11
875	67	11	33	22	99	00	11
880	67	11	33	22	99	00	11
885	67	11	33	22	99	00	11
890	67	11	33	22	99	00	11
895	67	11	33	22	99	00	11
900	67	11	33	22	99	00	11
905	67	11	33	22	99	00	11
910	67	11	33	22	99	00	11
915	67	11	33	22	99	00	11
920	67	11	33	22	99	00	11
925	67	11	33	22	99	00	11
930	67	11	33	22	99	00	11
935	67	11	33	22	99	00	11
940	67	11	33	22	99	00	11
945	67	11	33	22	99	00	11
950	67	11	33	22	99	00	11
955	67	11	33	22	99	00	11
960	67	11	33	22	99	00	11
965	67	11	33	22	99	00	11
970	67	11	33	22	99	00	11
975	67	11	33	22	99	00	11
980	67	11	33	22	99	00	11
985	67	11	33	22	99	00	11
990	67	11	33	22	99	00	11
995	67	11	33				







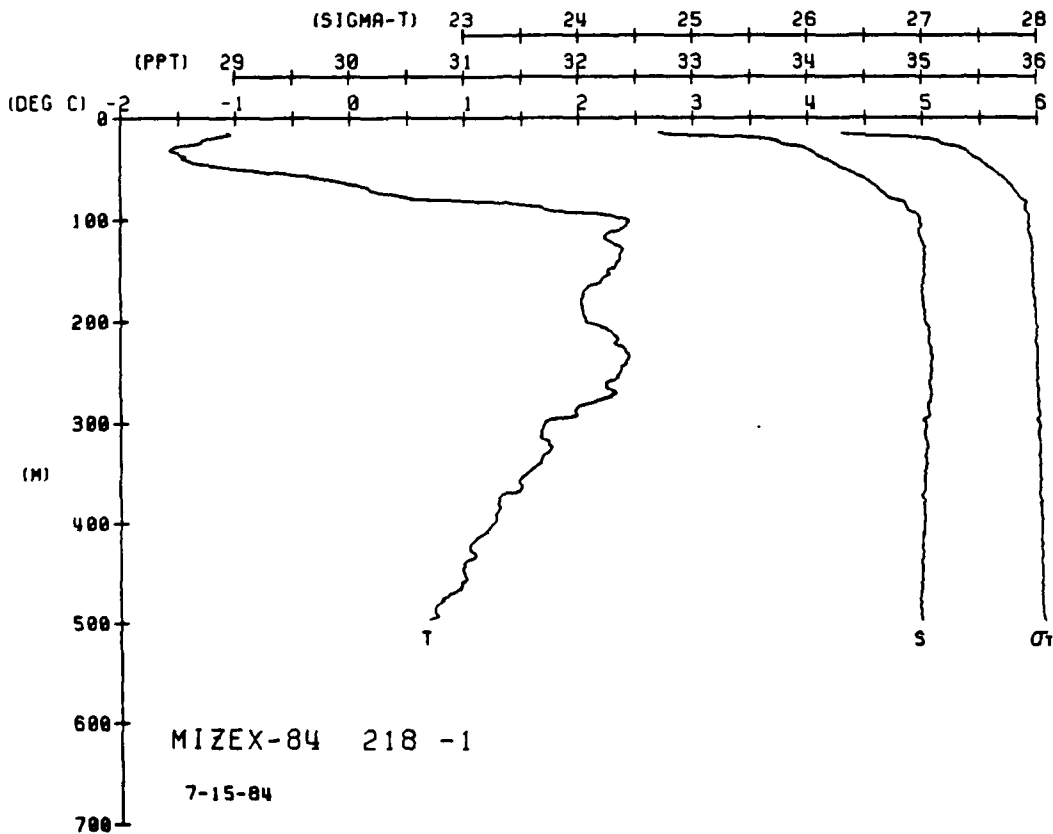
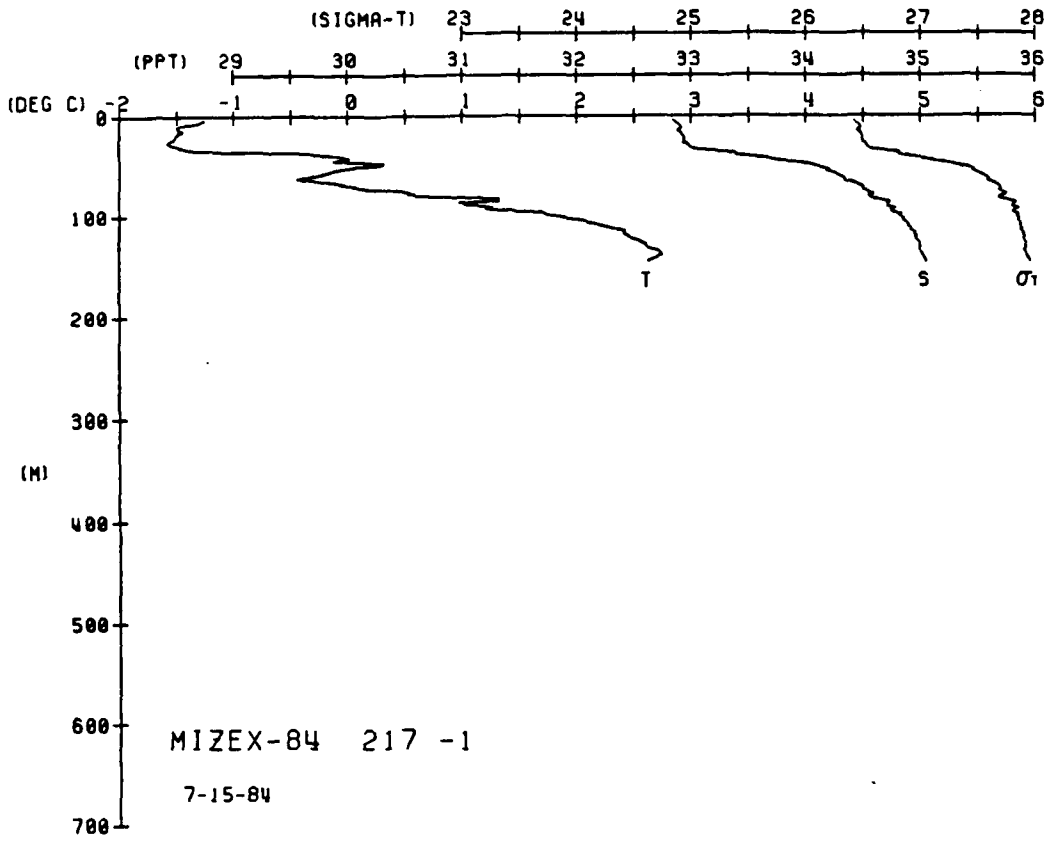


WIZEX-84 STATION 217(1) CTU 15/JUL/1984 719 GMT CODE = 1  
LAT = 79.7235N LMG = 2.4742W LTKR = 30 UGER = 30  
AIR TEMP = 0.0 WIND = 0.0 SPEED = 0.0

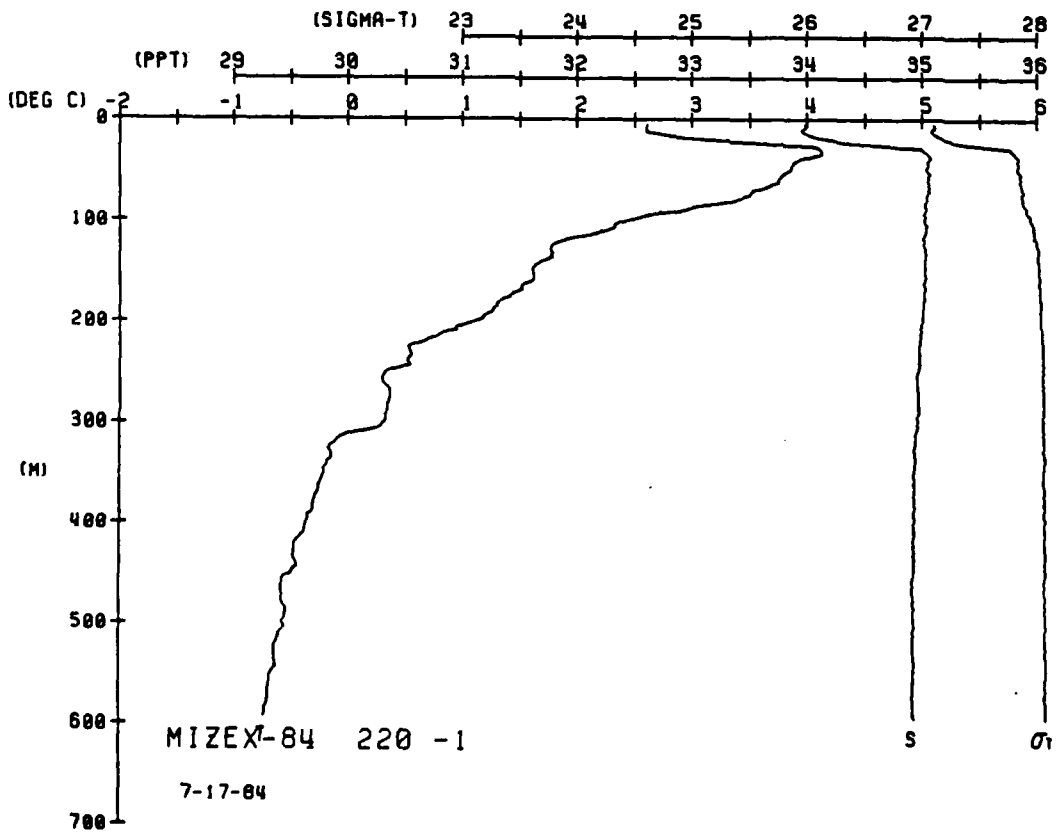
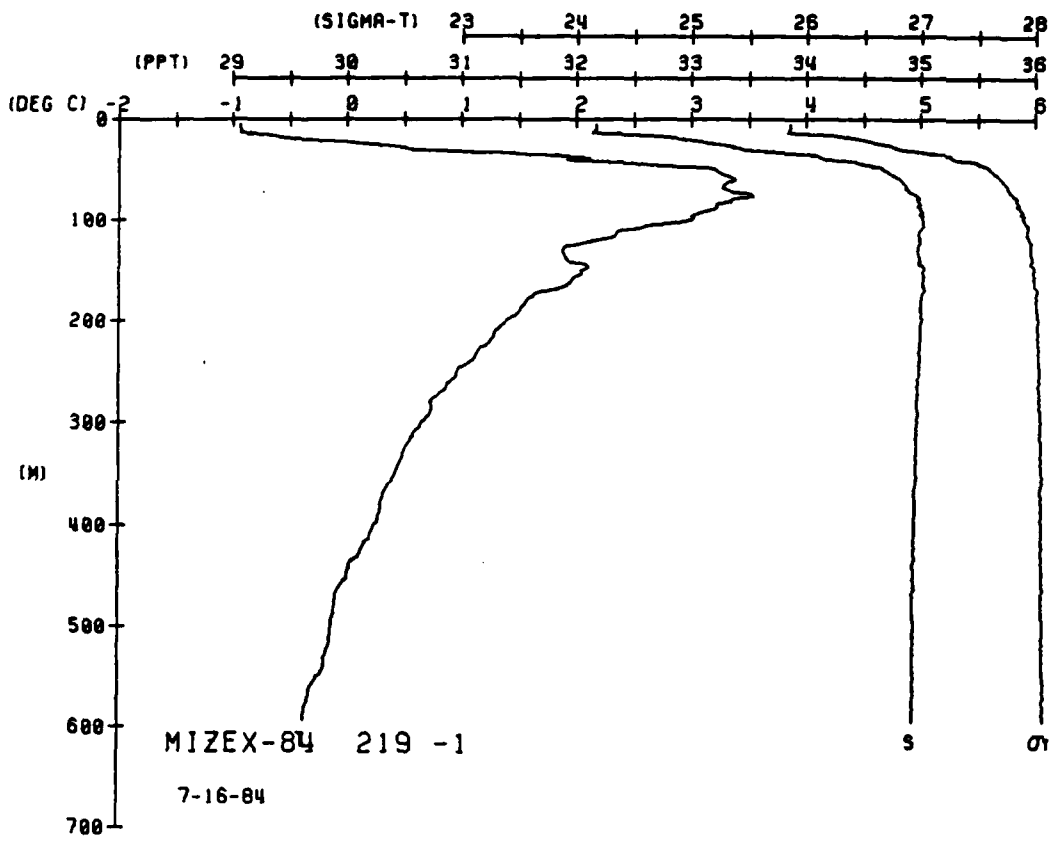
DEPTH	TEMP	PTEMP	SALIN	SIG I	SPVOL	DYMHT	SOUND
0	98	-0.98	32.83	26.39	162.32	0.000	1441.7
5	97	-1.27	32.84	26.41	160.59	0.008	1441.5
10	94	-1.44	32.89	26.45	156.80	0.032	1433.9
15	92	-1.56	32.93	26.49	152.77	0.047	1432.6
20	91	-1.59	32.93	26.52	149.10	0.054	1442.0
25	90	-1.18	33.03	26.89	130.57	0.069	1448.5
30	90	-0.19	33.09	27.36	70.28	0.076	1448.2
35	90	-0.19	33.44	27.57	51.01	0.074	1447.9
40	90	-0.11	33.44	27.69	48.10	0.082	1450.1
45	90	-0.09	33.44	27.70	39.84	0.084	1452.1
50	90	-0.09	33.44	27.71	38.58	0.087	1453.5
55	90	-0.09	33.44	27.71	38.58	0.087	1453.5
60	90	-0.09	33.44	27.71	38.58	0.087	1453.5
65	90	-0.09	33.44	27.71	38.58	0.087	1453.5
70	90	-0.09	33.44	27.71	38.58	0.087	1453.5
75	90	-0.09	33.44	27.71	38.58	0.087	1453.5
80	90	-0.09	33.44	27.71	38.58	0.087	1453.5
85	90	-0.09	33.44	27.71	38.58	0.087	1453.5
90	90	-0.09	33.44	27.71	38.58	0.087	1453.5
95	90	-0.09	33.44	27.71	38.58	0.087	1453.5
100	90	-0.09	33.44	27.71	38.58	0.087	1453.5
105	90	-0.09	33.44	27.71	38.58	0.087	1453.5
110	90	-0.09	33.44	27.71	38.58	0.087	1453.5
115	90	-0.09	33.44	27.71	38.58	0.087	1453.5
120	90	-0.09	33.44	27.71	38.58	0.087	1453.5
125	90	-0.09	33.44	27.71	38.58	0.087	1453.5
130	90	-0.09	33.44	27.71	38.58	0.087	1453.5
135	90	-0.09	33.44	27.71	38.58	0.087	1453.5
140	90	-0.09	33.44	27.71	38.58	0.087	1453.5
145	90	-0.09	33.44	27.71	38.58	0.087	1453.5
150	90	-0.09	33.44	27.71	38.58	0.087	1453.5
155	90	-0.09	33.44	27.71	38.58	0.087	1453.5
160	90	-0.09	33.44	27.71	38.58	0.087	1453.5
165	90	-0.09	33.44	27.71	38.58	0.087	1453.5
170	90	-0.09	33.44	27.71	38.58	0.087	1453.5
175	90	-0.09	33.44	27.71	38.58	0.087	1453.5
180	90	-0.09	33.44	27.71	38.58	0.087	1453.5
185	90	-0.09	33.44	27.71	38.58	0.087	1453.5
190	90	-0.09	33.44	27.71	38.58	0.087	1453.5
195	90	-0.09	33.44	27.71	38.58	0.087	1453.5
200	90	-0.09	33.44	27.71	38.58	0.087	1453.5

WIZEX-84 STATION 218(1) CTU 15/JUL/1984 1223 GMT CODE = 1  
LAT = 79.6023N LMG = 1.3697W LTKR = 30 UGER = 30  
AIR TEMP = 0.0 WIND = 0.0 SPEED = 0.0

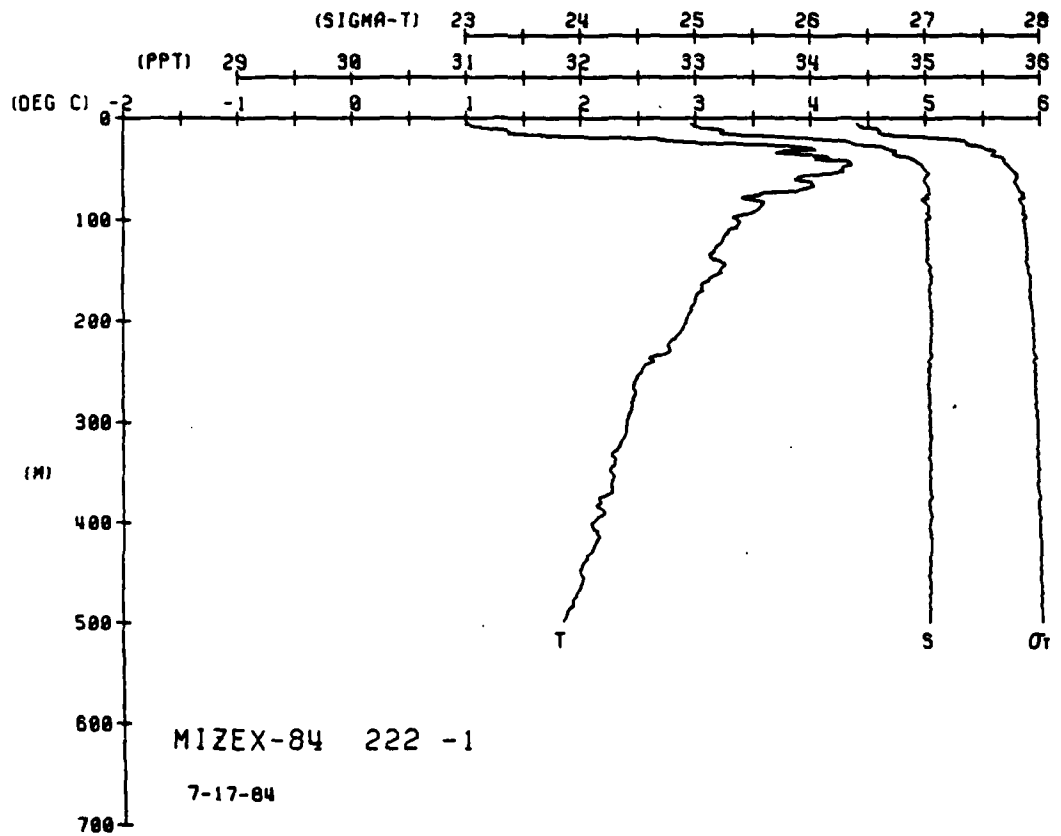
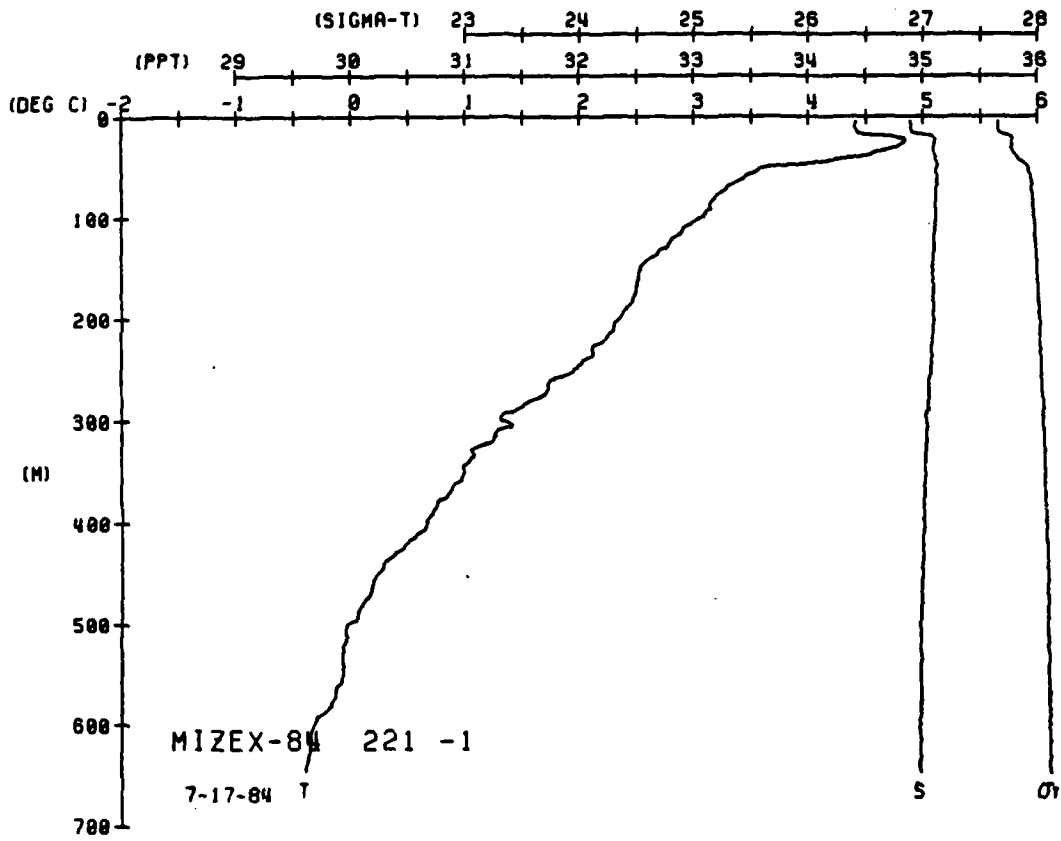
DEPTH	TEMP	PTEMP	SALIN	SIG I	SPVOL	DYMHT	SOUND
0	06	-1.06	32.71	26.30	171.22	0.000	1441.3
5	06	-1.06	32.71	26.30	171.22	0.009	1441.3
10	06	-1.06	32.71	26.30	171.22	0.017	1441.3
15	06	-1.06	32.71	26.30	171.22	0.023	1441.5
20	06	-1.06	32.71	26.30	171.22	0.038	1441.5
25	06	-1.06	32.71	26.30	171.22	0.045	1441.5
30	06	-1.06	32.71	26.30	171.22	0.048	1441.5
35	06	-1.06	32.71	26.30	171.22	0.054	1441.5
40	06	-1.06	32.71	26.30	171.22	0.056	1441.5
45	06	-1.06	32.71	26.30	171.22	0.058	1441.5
50	06	-1.06	32.71	26.30	171.22	0.060	1441.5
55	06	-1.06	32.71	26.30	171.22	0.061	1441.5
60	06	-1.06	32.71	26.30	171.22	0.063	1441.5
65	06	-1.06	32.71	26.30	171.22	0.065	1441.5
70	06	-1.06	32.71	26.30	171.22	0.066	1441.5
75	06	-1.06	32.71	26.30	171.22	0.068	1441.5
80	06	-1.06	32.71	26.30	171.22	0.070	1441.5
85	06	-1.06	32.71	26.30	171.22	0.073	1441.5
90	06	-1.06	32.71	26.30	171.22	0.077	1441.5
95	06	-1.06	32.71	26.30	171.22	0.079	1441.5
100	06	-1.06	32.71	26.30	171.22	0.081	1441.5
105	06	-1.06	32.71	26.30	171.22	0.083	1441.5
110	06	-1.06	32.71	26.30	171.22	0.085	1441.5
115	06	-1.06	32.71	26.30	171.22	0.086	1441.5
120	06	-1.06	32.71	26.30	171.22	0.088	1441.5
125	06	-1.06	32.71	26.30	171.22	0.090	1441.5
130	06	-1.06	32.71	26.30	171.22	0.091	1441.5
135	06	-1.06	32.71	26.30	171.22	0.093	1441.5
140	06	-1.06	32.71	26.30	171.22	0.095	1441.5
145	06	-1.06	32.71	26.30	171.22	0.097	1441.5
150	06	-1.06	32.71	26.30	171.22	0.099	1441.5
155	06	-1.06	32.71	26.30	171.22	0.101	1441.5
160	06	-1.06	32.71	26.30	171.22	0.103	1441.5
165	06	-1.06	32.71	26.30	171.22	0.105	1441.5
170	06	-1.06	32.71	26.30	171.22	0.107	1441.5
175	06	-1.06	32.71	26.30	171.22	0.108	1441.5
180	06	-1.06	32.71	26.30	171.22	0.109	1441.5
185	06	-1.06	32.71	26.30	171.22	0.110	1441.5
190	06	-1.06	32.71	26.30	171.22	0.111	1441.5
195	06	-1.06	32.71	26.30	171.22	0.112	1441.5
200	06	-1.06	32.71	26.30	171.22	0.112	1441.5













STD DATA

The section provides all of the data taken on the USNS Lynch.

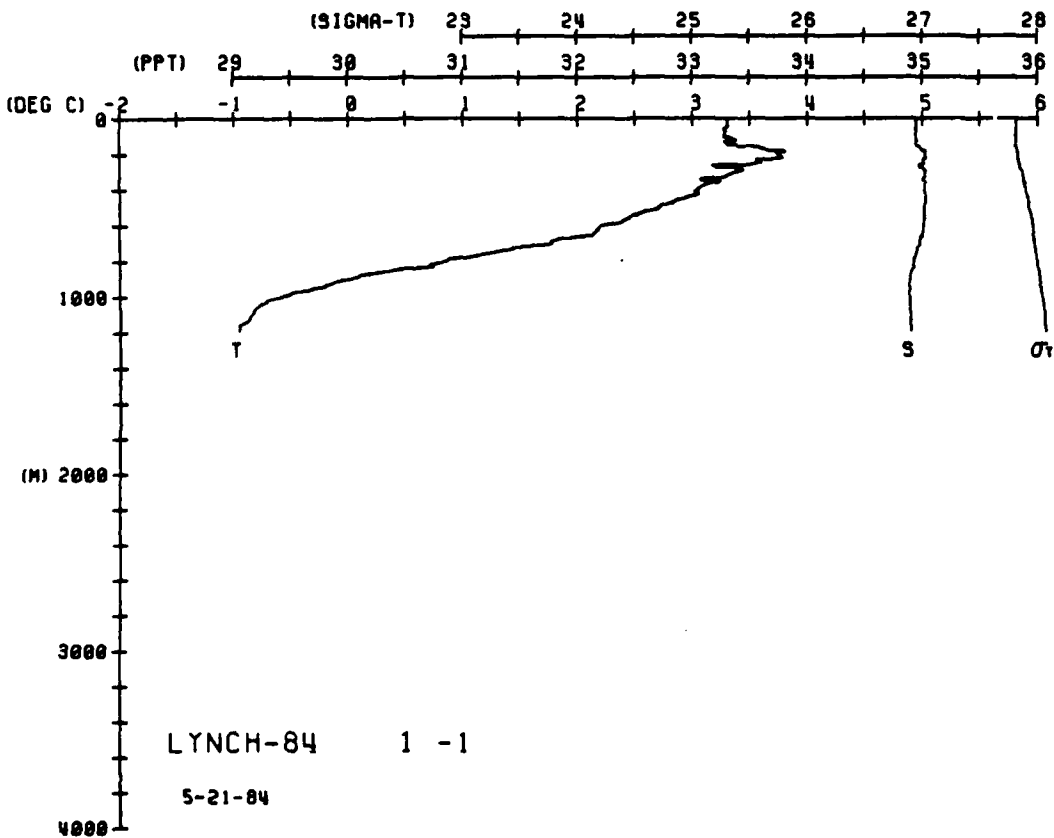
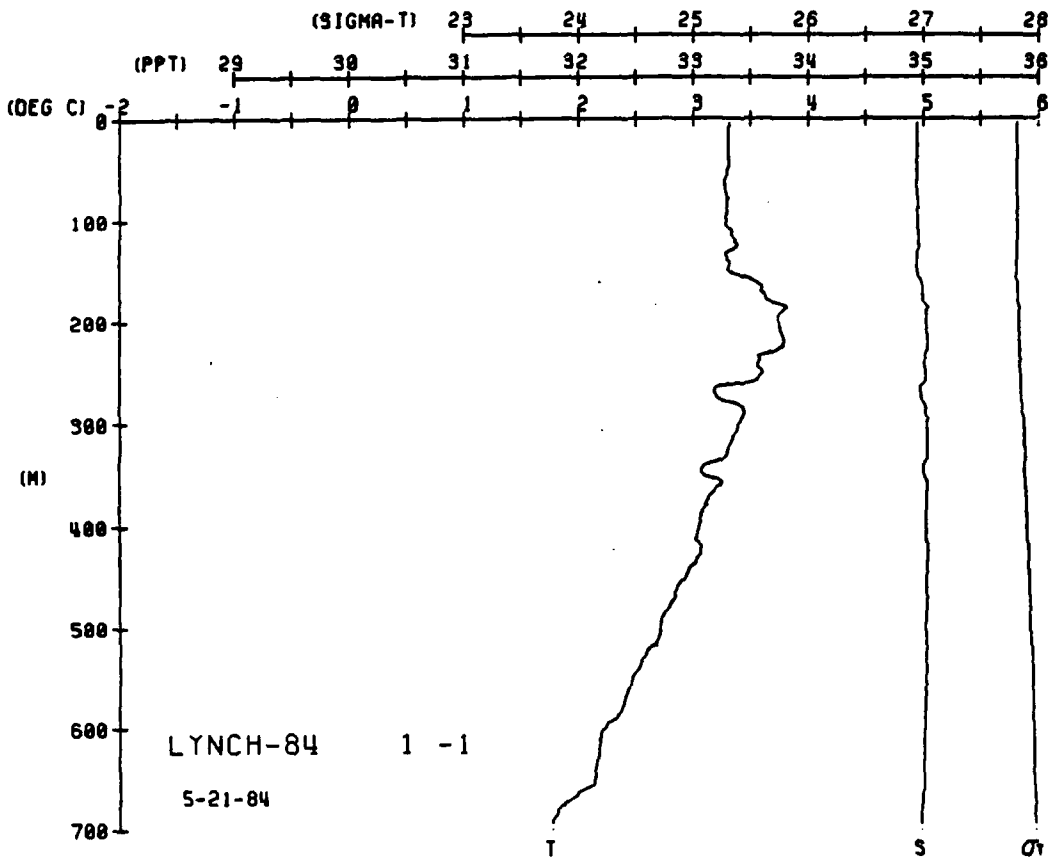
The numerical listing and corresponding

plots are given.

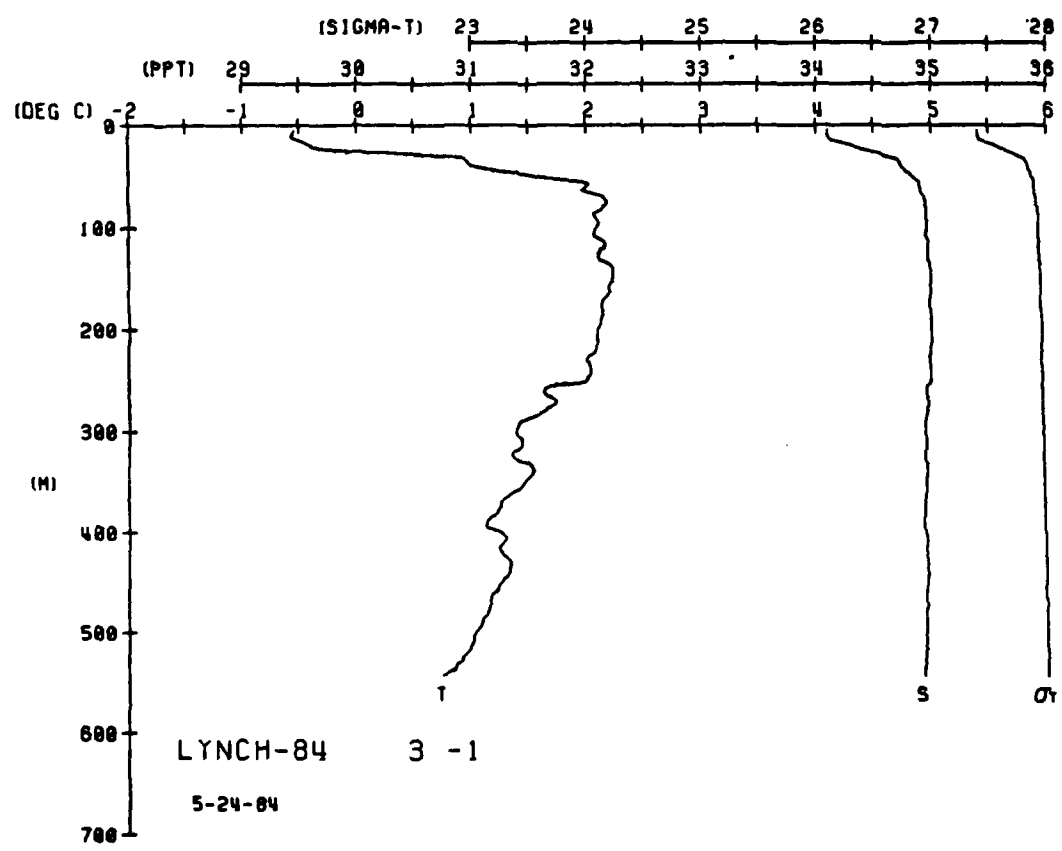
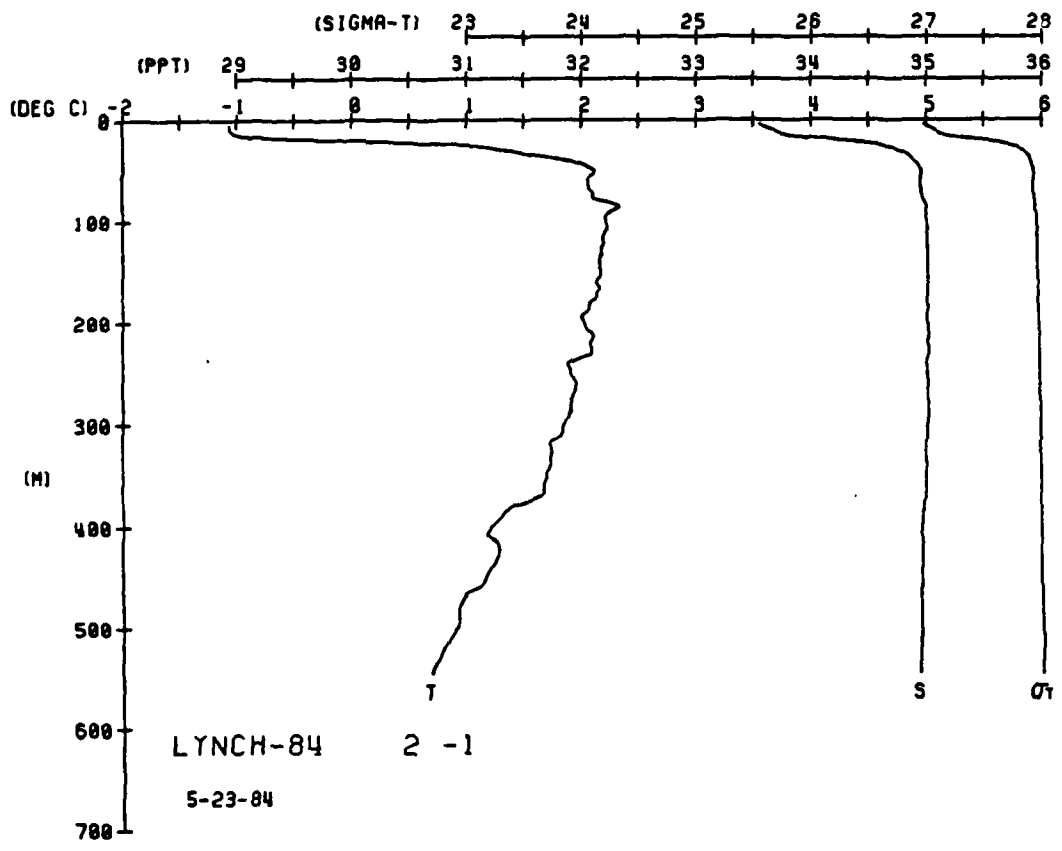


L1MCH-84 STATION 1(1) CTD 21/MAY/1984 245 GMT CODE = 5  
 LAT = 79.0030N LMG = 6.9358E LTR = 30. LGSK = 30.  
 AIR TEMP = 0.0 BAKOM = 0.0 WIND = 0.0 SPEED = 1.0

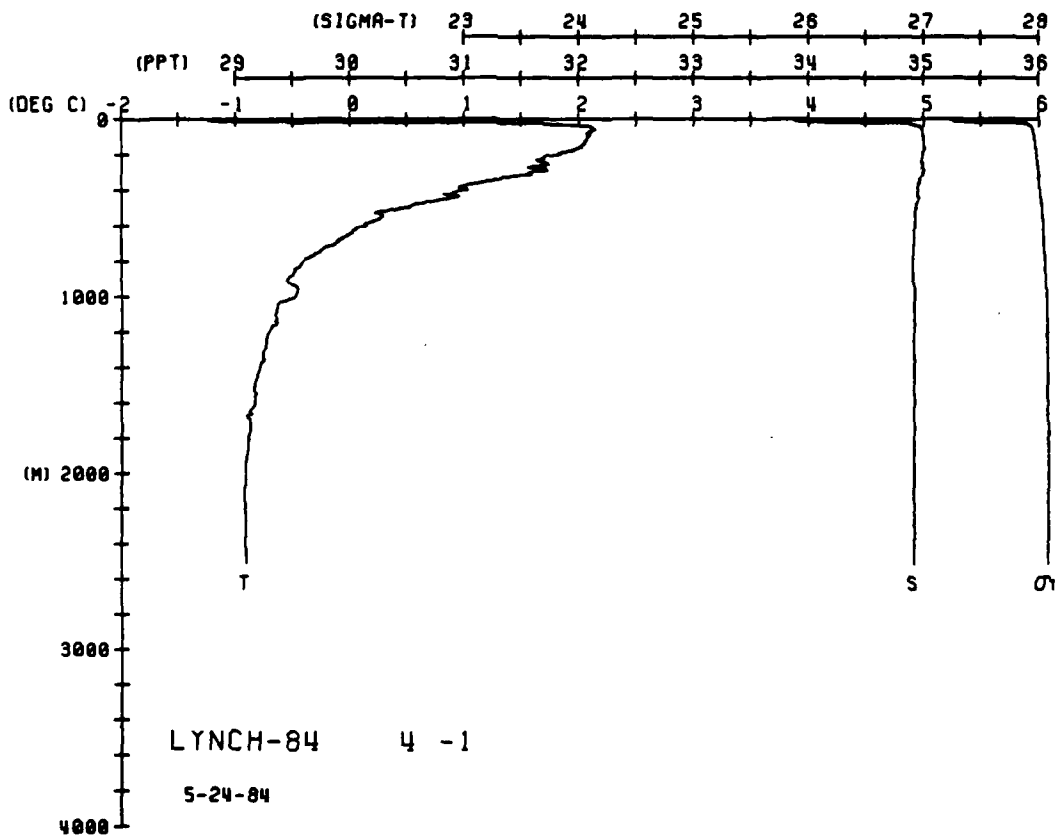
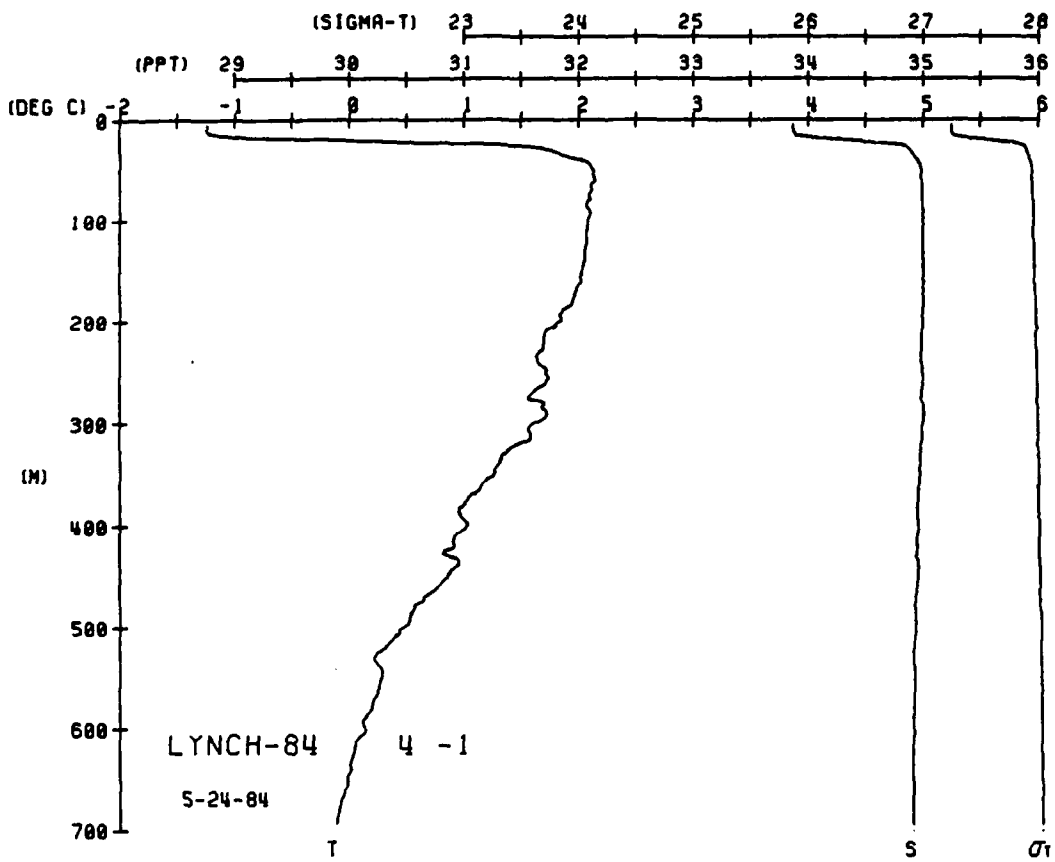
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYHNT	SOUND
0	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
1	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
2	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
3	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
4	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
5	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
6	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
7	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
8	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
9	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
10	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
11	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
12	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
13	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
14	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
15	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
16	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
17	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
18	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
19	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
20	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
21	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
22	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
23	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
24	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
25	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
26	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
27	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
28	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
29	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999
30	1.0000	1.0000	34.9999	7.9999	1.4999	0000	9999.9999





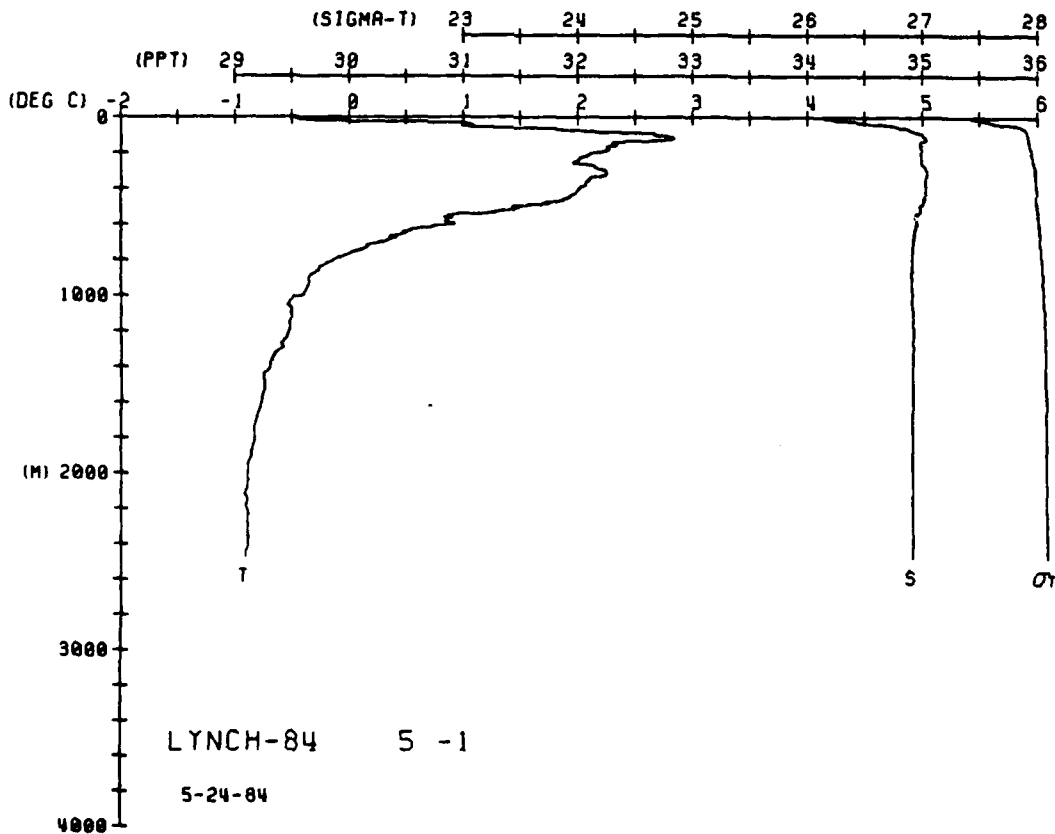
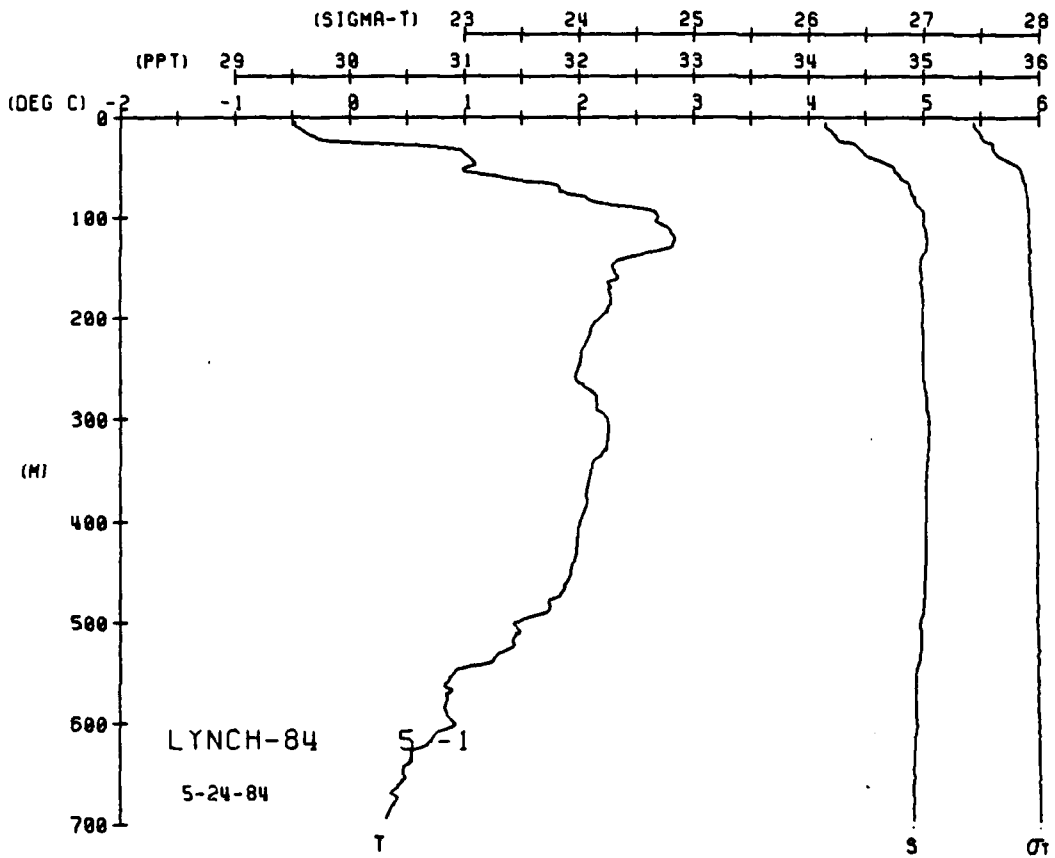






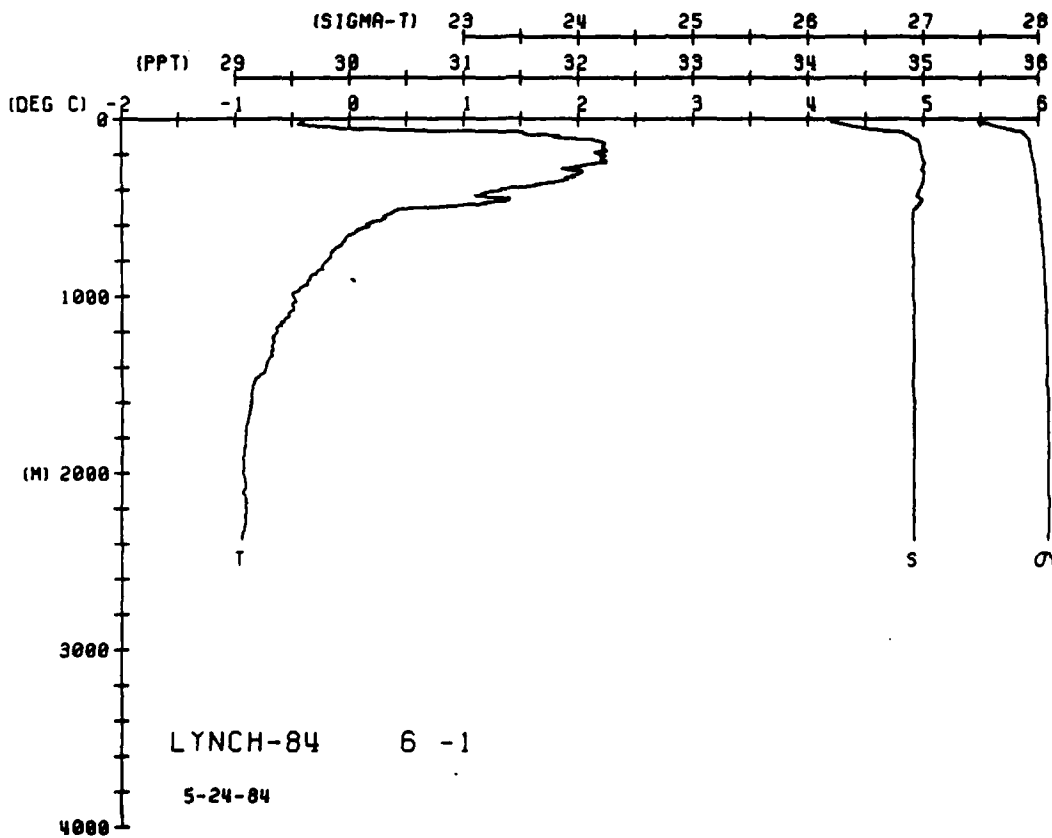
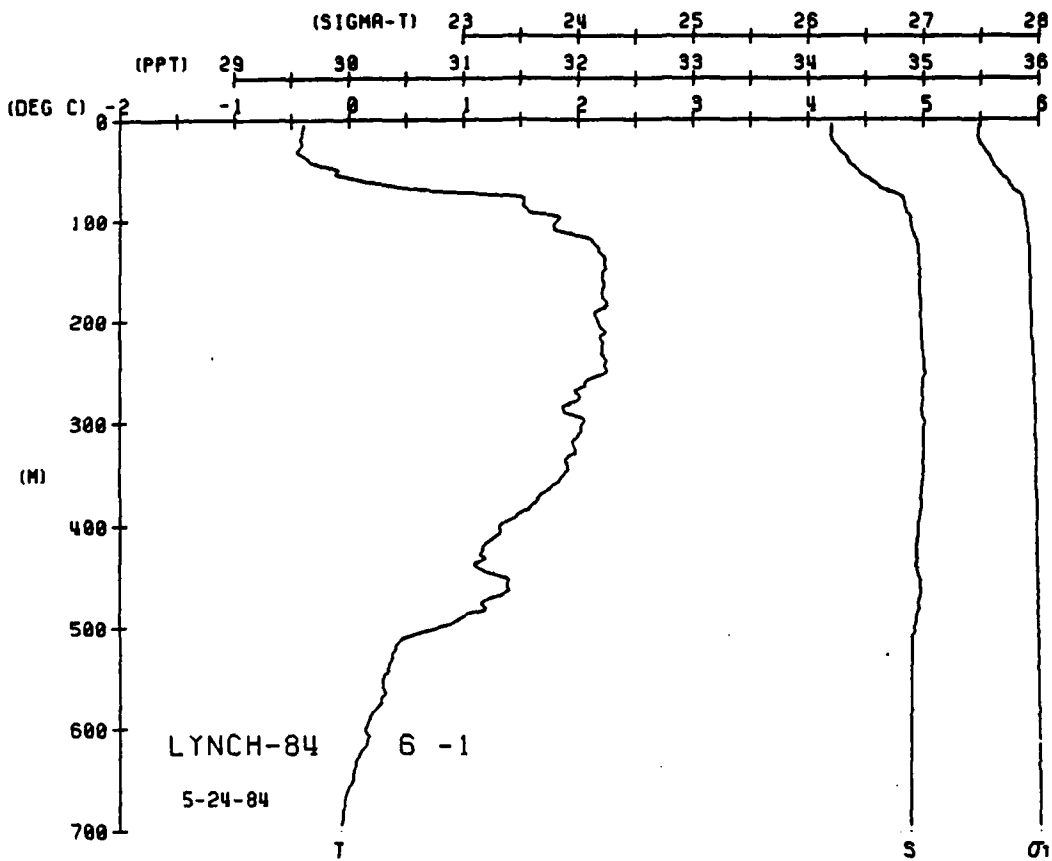




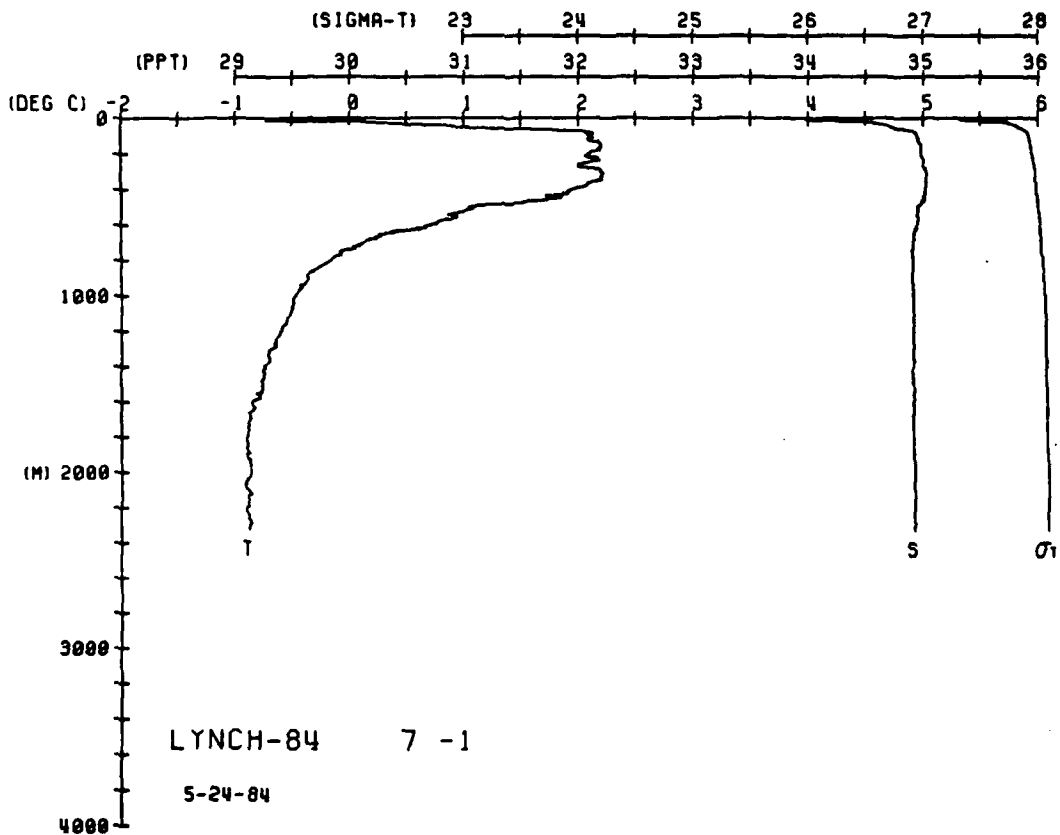
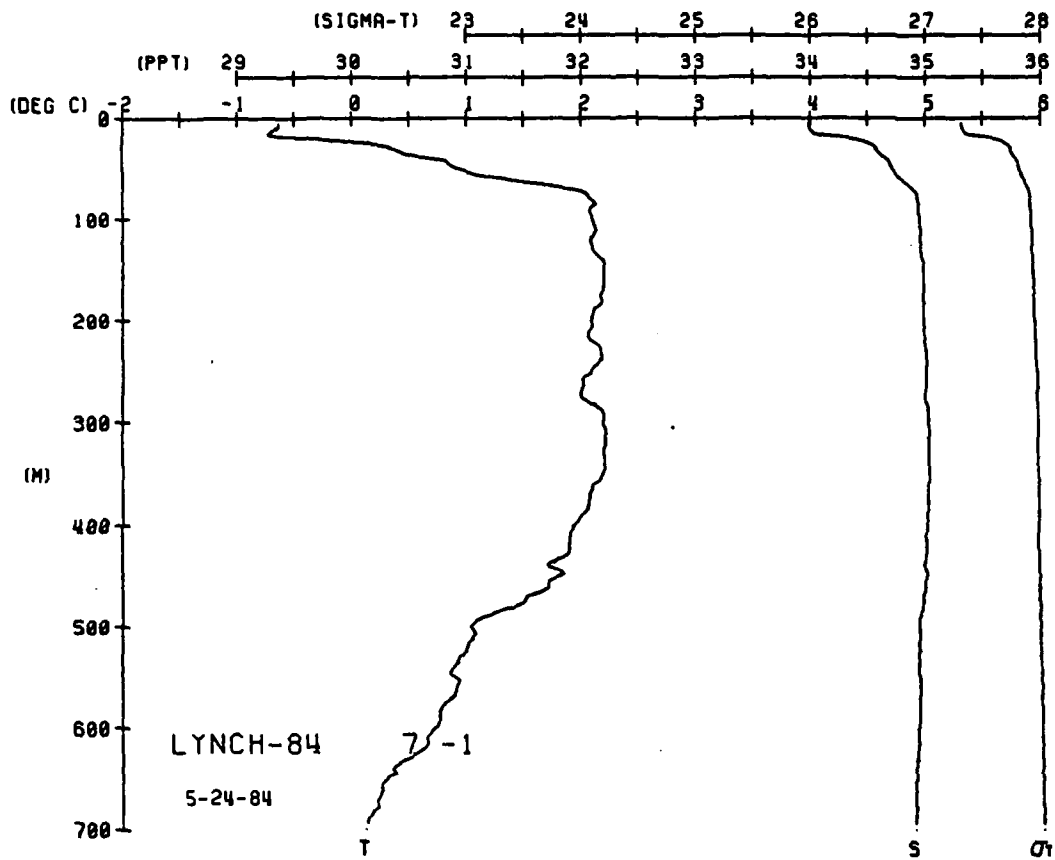


LYNCH-84 STATION 6(1) CID 24/MAY/1984 1613 GMT CODE = 5  
LAT = 78.9367N LNC = 2.3333E LTR = 30.0  
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 1.0

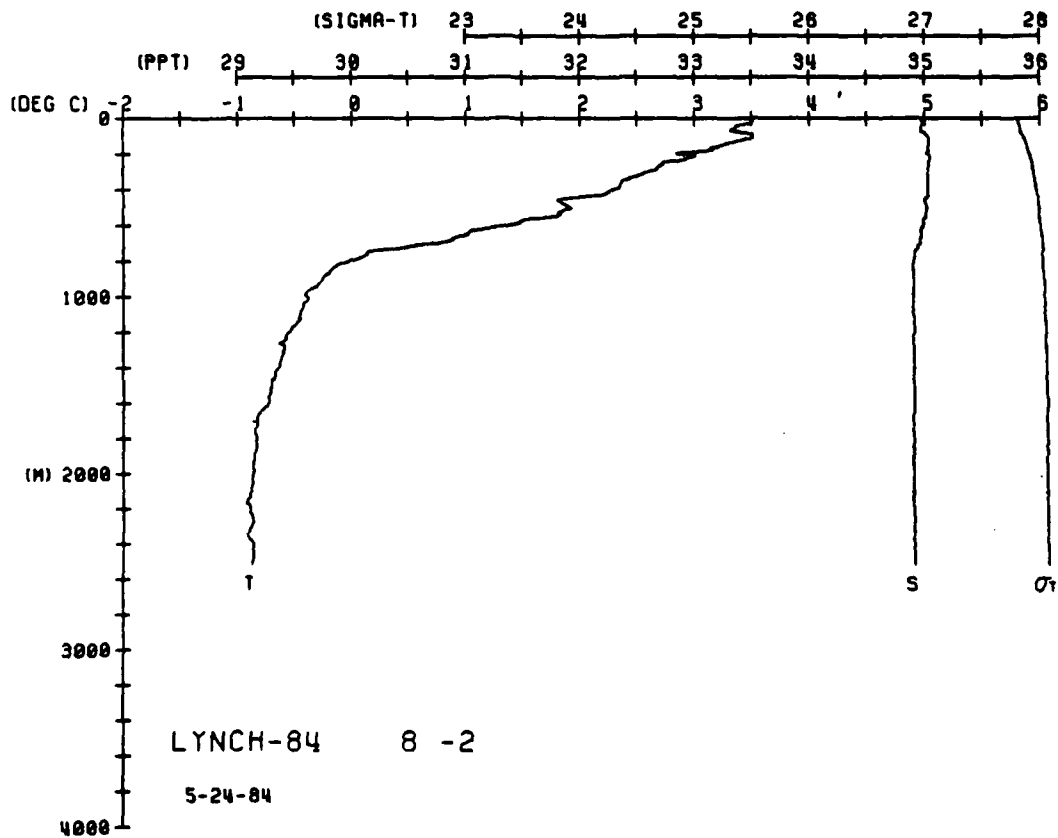
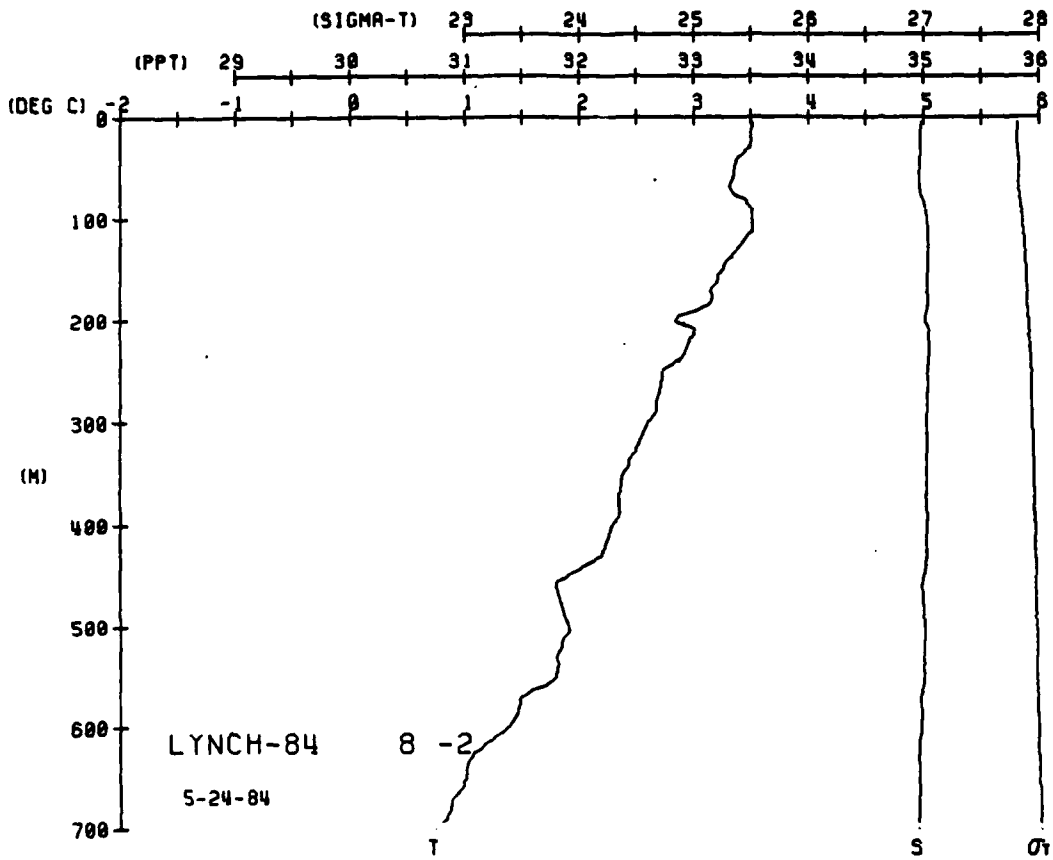
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVUL	DYHMT	SOUND
0	0.00	0.00	34.90	0.03	7.06	21	1460.68
5	0.00	0.00	34.90	0.03	7.06	21	1461.05
10	0.00	0.00	34.90	0.03	7.06	21	1462.41
15	0.00	0.00	34.90	0.03	7.06	21	1463.14
20	0.00	0.00	34.90	0.03	7.06	21	1464.20
25	0.00	0.00	34.90	0.03	7.06	21	1465.50
30	0.00	0.00	34.90	0.03	7.06	21	1466.28
35	0.00	0.00	34.90	0.03	7.06	21	1467.75
40	0.00	0.00	34.90	0.03	7.06	21	1469.30
45	0.00	0.00	34.90	0.03	7.06	21	1471.00
50	0.00	0.00	34.90	0.03	7.06	21	1472.52
55	0.00	0.00	34.90	0.03	7.06	21	1473.41
60	0.00	0.00	34.90	0.03	7.06	21	1475.19
65	0.00	0.00	34.90	0.03	7.06	21	1476.76
70	0.00	0.00	34.90	0.03	7.06	21	1477.90
75	0.00	0.00	34.90	0.03	7.06	21	1478.50
80	0.00	0.00	34.90	0.03	7.06	21	1479.00
85	0.00	0.00	34.90	0.03	7.06	21	1480.20
90	0.00	0.00	34.90	0.03	7.06	21	1481.00
95	0.00	0.00	34.90	0.03	7.06	21	1482.20
100	0.00	0.00	34.90	0.03	7.06	21	1483.50
105	0.00	0.00	34.90	0.03	7.06	21	1484.80
110	0.00	0.00	34.90	0.03	7.06	21	1486.10
115	0.00	0.00	34.90	0.03	7.06	21	1487.40
120	0.00	0.00	34.90	0.03	7.06	21	1488.70
125	0.00	0.00	34.90	0.03	7.06	21	1490.00
130	0.00	0.00	34.90	0.03	7.06	21	1491.30
135	0.00	0.00	34.90	0.03	7.06	21	1492.60
140	0.00	0.00	34.90	0.03	7.06	21	1493.90
145	0.00	0.00	34.90	0.03	7.06	21	1495.20
150	0.00	0.00	34.90	0.03	7.06	21	1496.50
155	0.00	0.00	34.90	0.03	7.06	21	1497.80
160	0.00	0.00	34.90	0.03	7.06	21	1499.10
165	0.00	0.00	34.90	0.03	7.06	21	1500.40
170	0.00	0.00	34.90	0.03	7.06	21	1501.70
175	0.00	0.00	34.90	0.03	7.06	21	1503.00
180	0.00	0.00	34.90	0.03	7.06	21	1504.30
185	0.00	0.00	34.90	0.03	7.06	21	1505.60
190	0.00	0.00	34.90	0.03	7.06	21	1506.90
195	0.00	0.00	34.90	0.03	7.06	21	1508.20
200	0.00	0.00	34.90	0.03	7.06	21	1509.50
205	0.00	0.00	34.90	0.03	7.06	21	1510.80
210	0.00	0.00	34.90	0.03	7.06	21	1512.10
215	0.00	0.00	34.90	0.03	7.06	21	1513.40
220	0.00	0.00	34.90	0.03	7.06	21	1514.70
225	0.00	0.00	34.90	0.03	7.06	21	1516.00
230	0.00	0.00	34.90	0.03	7.06	21	1517.30
235	0.00	0.00	34.90	0.03	7.06	21	1518.60
240	0.00	0.00	34.90	0.03	7.06	21	1519.90
245	0.00	0.00	34.90	0.03	7.06	21	1521.20
250	0.00	0.00	34.90	0.03	7.06	21	1522.50
255	0.00	0.00	34.90	0.03	7.06	21	1523.80
260	0.00	0.00	34.90	0.03	7.06	21	1525.10
265	0.00	0.00	34.90	0.03	7.06	21	1526.40
270	0.00	0.00	34.90	0.03	7.06	21	1527.70
275	0.00	0.00	34.90	0.03	7.06	21	1529.00
280	0.00	0.00	34.90	0.03	7.06	21	1530.30
285	0.00	0.00	34.90	0.03	7.06	21	1531.60
290	0.00	0.00	34.90	0.03	7.06	21	1532.90
295	0.00	0.00	34.90	0.03	7.06	21	1534.20
300	0.00	0.00	34.90	0.03	7.06	21	1535.50
305	0.00	0.00	34.90	0.03	7.06	21	1536.80
310	0.00	0.00	34.90	0.03	7.06	21	1538.10
315	0.00	0.00	34.90	0.03	7.06	21	1539.40
320	0.00	0.00	34.90	0.03	7.06	21	1540.70
325	0.00	0.00	34.90	0.03	7.06	21	1542.00
330	0.00	0.00	34.90	0.03	7.06	21	1543.30
335	0.00	0.00	34.90	0.03	7.06	21	1544.60
340	0.00	0.00	34.90	0.03	7.06	21	1545.90
345	0.00	0.00	34.90	0.03	7.06	21	1547.20
350	0.00	0.00	34.90	0.03	7.06	21	1548.50
355	0.00	0.00	34.90	0.03	7.06	21	1549.80
360	0.00	0.00	34.90	0.03	7.06	21	1551.10
365	0.00	0.00	34.90	0.03	7.06	21	1552.40
370	0.00	0.00	34.90	0.03	7.06	21	1553.70
375	0.00	0.00	34.90	0.03	7.06	21	1555.00
380	0.00	0.00	34.90	0.03	7.06	21	1556.30
385	0.00	0.00	34.90	0.03	7.06	21	1557.60
390	0.00	0.00	34.90	0.03	7.06	21	1558.90
395	0.00	0.00	34.90	0.03	7.06	21	1560.20
400	0.00	0.00	34.90	0.03	7.06	21	1561.50
405	0.00	0.00	34.90	0.03	7.06	21	1562.80
410	0.00	0.00	34.90	0.03	7.06	21	1564.10
415	0.00	0.00	34.90	0.03	7.06	21	1565.40
420	0.00	0.00	34.90	0.03	7.06	21	1566.70
425	0.00	0.00	34.90	0.03	7.06	21	1568.00
430	0.00	0.00	34.90	0.03	7.06	21	1569.30
435	0.00	0.00	34.90	0.03	7.06	21	1570.60
440	0.00	0.00	34.90	0.03	7.06	21	1571.90
445	0.00	0.00	34.90	0.03	7.06	21	1573.20
450	0.00	0.00	34.90	0.03	7.06	21	1574.50
455	0.00	0.00	34.90	0.03	7.06	21	1575.80
460	0.00	0.00	34.90	0.03	7.06	21	1577.10
465	0.00	0.00	34.90	0.03	7.06	21	1578.40
470	0.00	0.00	34.90	0.03	7.06	21	1579.70
475	0.00	0.00	34.90	0.03	7.06	21	1581.00
480	0.00	0.00	34.90	0.03	7.06	21	1582.30
485	0.00	0.00	34.90	0.03	7.06	21	1583.60
490	0.00	0.00	34.90	0.03	7.06	21	1584.90
495	0.00	0.00	34.90	0.03	7.06	21	1586.20
500	0.00	0.00	34.90	0.03	7.06	21	1587.50
505	0.00	0.00	34.90	0.03	7.06	21	1588.80
510	0.00	0.00	34.90	0.03	7.06	21	1590.10
515	0.00	0.00	34.90	0.03	7.06	21	1591.40
520	0.00	0.00	34.90	0.03	7.06	21	1592.70
525	0.00	0.00	34.90	0.03	7.06	21	1594.00
530	0.00	0.00	34.90	0.03	7.06	21	1595.30
535	0.00	0.00	34.90	0.03	7.06	21	1596.60
540	0.00	0.00	34.90	0.03	7.06	21	1597.90
545	0.00	0.00	34.90	0.03	7.06	21	1599.20
550	0.00	0.00	34.90	0.03	7.06	21	1600.50
555	0.00	0.00	34.90	0.03	7.06	21	1601.80
560	0.00	0.00	34.90	0.03	7.06	21	1603.10
565	0.00	0.00	34.90	0.03	7.06	21	1604.40
570	0.00	0.00	34.90	0.03	7.06	21	1605.70
575	0.00	0.00	34.90	0.03	7.06	21	1607.00
580	0.00	0.00	34.90	0.03	7.06	21	1608.30
585	0.00	0.00	34.90	0.03	7.06	21	1609.60
590	0.00	0.00	34.90	0.03	7.06	21	1610.90
595	0.00	0.00	34.90	0.03	7.06	21	1612.20
600	0.00	0.00	34.90	0.03	7.06	21	1613.50
605	0.00	0.00	34.90	0.03	7.06	21	1614.80
610	0.00	0.00	34.90	0.03	7.06	21	1616.10
615	0.00	0.00	34.90	0.03	7.06	21	1617.40
620	0.00	0.00	34.90	0.03	7.06	21	1618.70
625	0.00	0.00	34.90	0.03	7.06	21	1620.00
630	0.00	0.00	34.90	0.03	7.06	21	1621.30
635	0.00	0.00	34.90	0.03	7.06	21	1622.60
640	0.00	0.00	34.90	0.03	7.06	21	1623.90
645	0.00	0.00	34.90	0.03	7.06	21	1625.20
650	0.00	0.00	34.90	0.03	7.06	21	1626.50
655	0.00	0.00	34.90	0.03	7.06	21	1627.80
660	0.00	0.00	34.90	0.03	7.06	21	1629.10
665	0.00	0.00	34.90	0.03	7.06	21	1630.40
670	0.00	0.00	34.90	0.03	7.06	21	1631.70
675	0.00	0.00	34.90	0.03	7.06	21	1633.00
680	0.00	0.00	34.90	0.03	7.06	21	1634.30
685	0.00	0.00	34.90	0.03	7.06	21	1635.60
690	0.00	0.00	34.90	0.03	7.06	21	1636.90
695	0.00	0.00	34.90	0.03	7.06	21	1638.20
700	0.00	0.00	34.90	0.03	7.06	21	1639.50
705	0.00	0.00	34.90	0.03	7.06	21	1640.80
710	0.00	0.00	34.90	0.03	7.06	21	1642.10
715	0.00	0.00	34.90	0.03	7.06	21	1643.40
720	0.00	0.00	34.90	0.03	7.06	21	1644.70
725	0.00	0.00	34.90	0.03	7.06	21	1646.00
730	0.00	0.00	34.90	0.03	7.06	21	1647.30
735	0.00	0.00	34.90	0.03	7.06	21	1648.60
740	0.00	0.00	34.90	0.03	7.06	21	1649.90
745	0.00	0.00	34.90	0.03	7.06	21	1651.20
750	0.00	0.00	34.90	0.03	7.06	21	1652.50
755	0.00	0.00	34.90	0.03	7.06	21	1653.80
760	0.00	0.00	34.90	0.03	7.06	21	1655.10
765	0.00	0.00	34.90	0.03	7.06	21	1656.40
770	0.00	0.00	34.90	0.03	7.06	21	1657.70
775	0.00	0.00	34.90	0.03	7.06	21	1659.00
780	0.00	0.00	34.90	0.03	7.06	21	1660.30
785	0.00	0.00	34.90	0.03	7.06	21	1661.60
790	0.00						







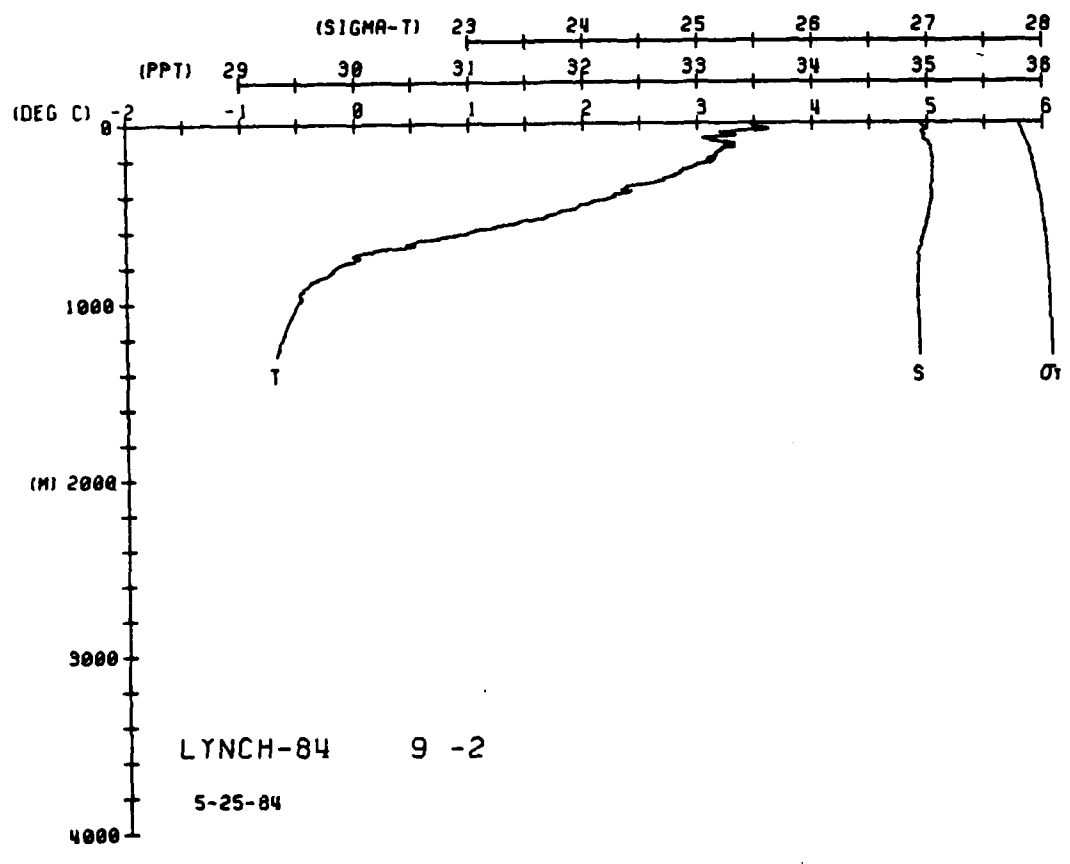
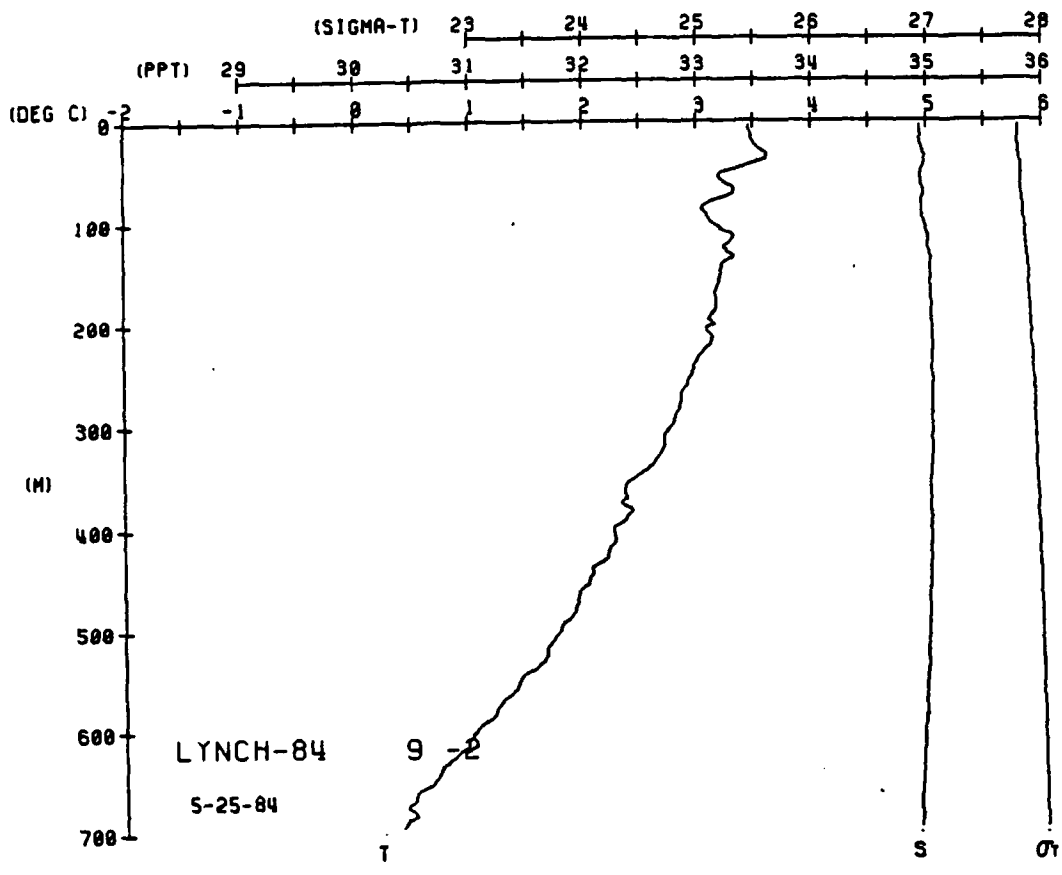






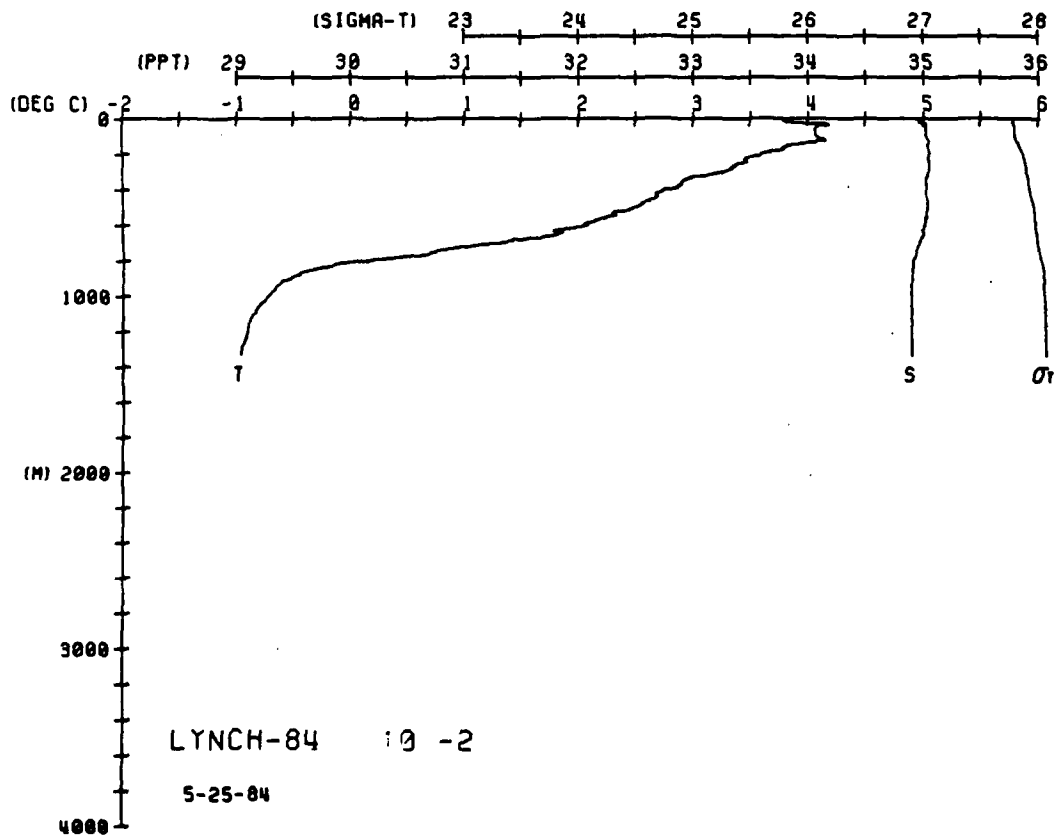
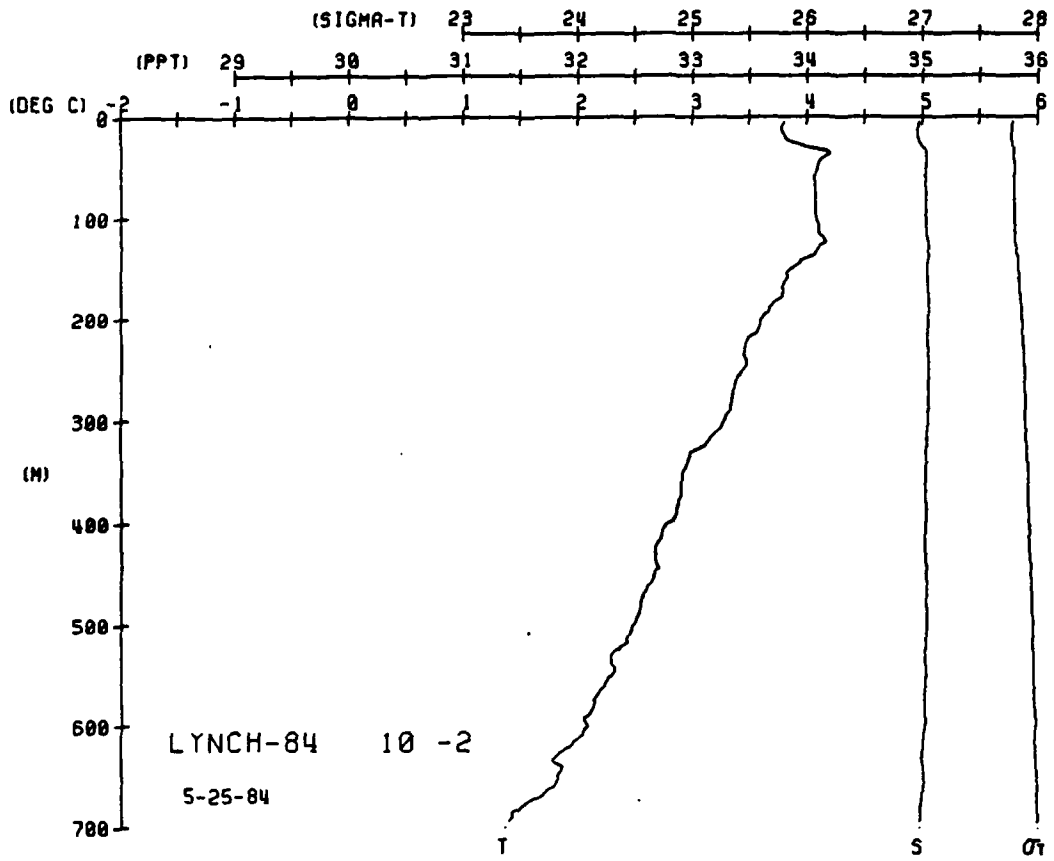
LINCH-84 STATION 9(2) CTD 25/MAY/1984 257 CRT CUDE = 5  
LAT = 78.9233N LNC = 5.4367E WTER = 30 LGR = 30  
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DIMHT	SOUND
0	1.0	0.0	24.9	0.000	7.47	1.1	1.1
10	1.0	0.0	24.9	0.000	7.47	1.1	1.1
20	1.0	0.0	24.9	0.000	7.47	1.1	1.1
30	1.0	0.0	24.9	0.000	7.47	1.1	1.1
40	1.0	0.0	24.9	0.000	7.47	1.1	1.1
50	1.0	0.0	24.9	0.000	7.47	1.1	1.1
60	1.0	0.0	24.9	0.000	7.47	1.1	1.1
70	1.0	0.0	24.9	0.000	7.47	1.1	1.1
80	1.0	0.0	24.9	0.000	7.47	1.1	1.1
90	1.0	0.0	24.9	0.000	7.47	1.1	1.1
100	1.0	0.0	24.9	0.000	7.47	1.1	1.1
110	1.0	0.0	24.9	0.000	7.47	1.1	1.1
120	1.0	0.0	24.9	0.000	7.47	1.1	1.1
130	1.0	0.0	24.9	0.000	7.47	1.1	1.1
140	1.0	0.0	24.9	0.000	7.47	1.1	1.1
150	1.0	0.0	24.9	0.000	7.47	1.1	1.1
160	1.0	0.0	24.9	0.000	7.47	1.1	1.1
170	1.0	0.0	24.9	0.000	7.47	1.1	1.1
180	1.0	0.0	24.9	0.000	7.47	1.1	1.1
190	1.0	0.0	24.9	0.000	7.47	1.1	1.1
200	1.0	0.0	24.9	0.000	7.47	1.1	1.1
210	1.0	0.0	24.9	0.000	7.47	1.1	1.1
220	1.0	0.0	24.9	0.000	7.47	1.1	1.1
230	1.0	0.0	24.9	0.000	7.47	1.1	1.1
240	1.0	0.0	24.9	0.000	7.47	1.1	1.1
250	1.0	0.0	24.9	0.000	7.47	1.1	1.1
260	1.0	0.0	24.9	0.000	7.47	1.1	1.1
270	1.0	0.0	24.9	0.000	7.47	1.1	1.1
280	1.0	0.0	24.9	0.000	7.47	1.1	1.1
290	1.0	0.0	24.9	0.000	7.47	1.1	1.1
300	1.0	0.0	24.9	0.000	7.47	1.1	1.1



LYNCH-84 STATION 10(2) CTD 25/MAY/1984 636 GMT CODE = 5  
 LAT = 78.5528N LONG = 6.4820E LTR = 30. UGER = 30.  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

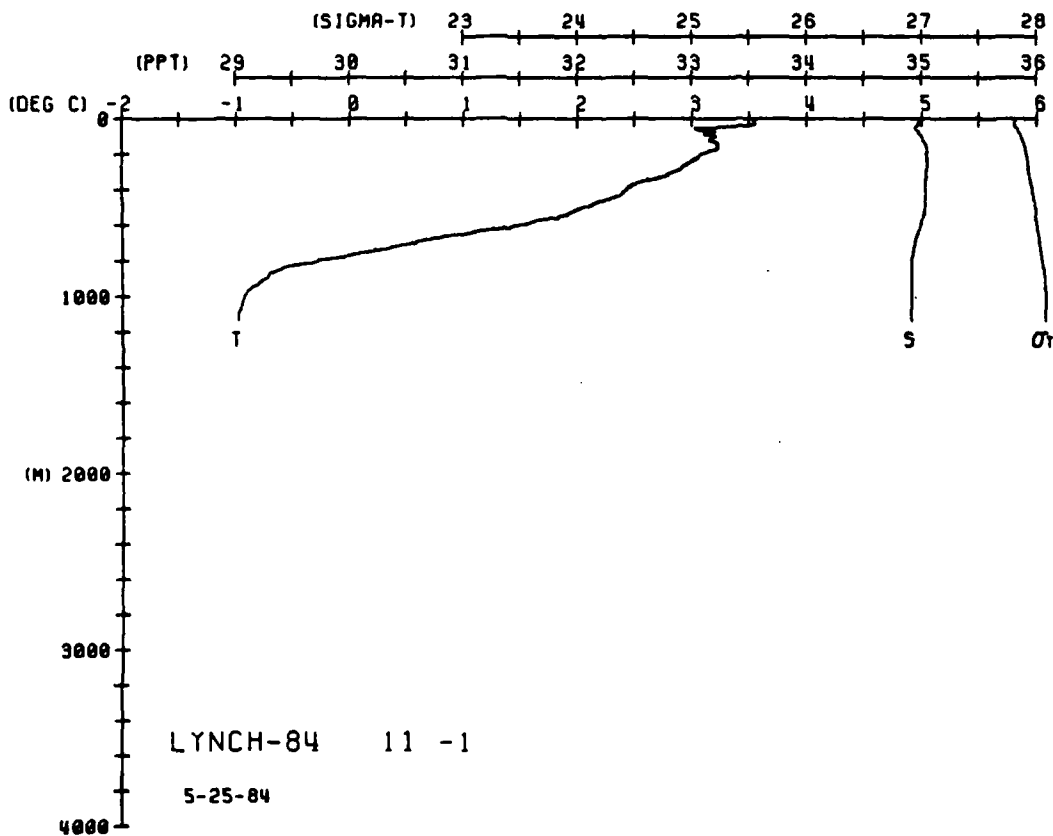
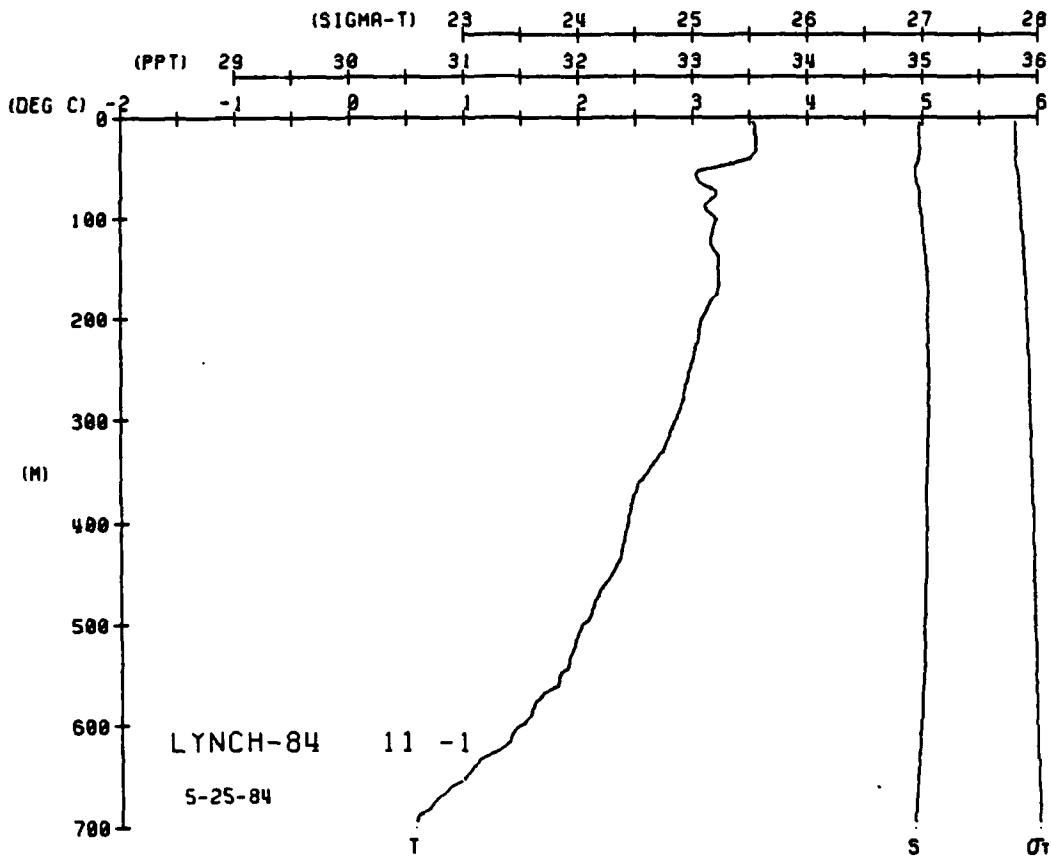
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DIMHI	SOUND
0	1.00	1.00	34.95	228.00	12.00	153	1465.0
1	1.00	1.00	34.95	228.00	12.00	153	1465.0
2	1.00	1.00	34.95	228.00	12.00	153	1465.0
3	1.00	1.00	34.95	228.00	12.00	153	1465.0
4	1.00	1.00	34.95	228.00	12.00	153	1465.0
5	1.00	1.00	34.95	228.00	12.00	153	1465.0
6	1.00	1.00	34.95	228.00	12.00	153	1465.0
7	1.00	1.00	34.95	228.00	12.00	153	1465.0
8	1.00	1.00	34.95	228.00	12.00	153	1465.0
9	1.00	1.00	34.95	228.00	12.00	153	1465.0
10	1.00	1.00	34.95	228.00	12.00	153	1465.0
11	1.00	1.00	34.95	228.00	12.00	153	1465.0
12	1.00	1.00	34.95	228.00	12.00	153	1465.0
13	1.00	1.00	34.95	228.00	12.00	153	1465.0
14	1.00	1.00	34.95	228.00	12.00	153	1465.0
15	1.00	1.00	34.95	228.00	12.00	153	1465.0
16	1.00	1.00	34.95	228.00	12.00	153	1465.0
17	1.00	1.00	34.95	228.00	12.00	153	1465.0
18	1.00	1.00	34.95	228.00	12.00	153	1465.0
19	1.00	1.00	34.95	228.00	12.00	153	1465.0
20	1.00	1.00	34.95	228.00	12.00	153	1465.0
21	1.00	1.00	34.95	228.00	12.00	153	1465.0
22	1.00	1.00	34.95	228.00	12.00	153	1465.0
23	1.00	1.00	34.95	228.00	12.00	153	1465.0
24	1.00	1.00	34.95	228.00	12.00	153	1465.0
25	1.00	1.00	34.95	228.00	12.00	153	1465.0
26	1.00	1.00	34.95	228.00	12.00	153	1465.0
27	1.00	1.00	34.95	228.00	12.00	153	1465.0
28	1.00	1.00	34.95	228.00	12.00	153	1465.0
29	1.00	1.00	34.95	228.00	12.00	153	1465.0
30	1.00	1.00	34.95	228.00	12.00	153	1465.0
31	1.00	1.00	34.95	228.00	12.00	153	1465.0
32	1.00	1.00	34.95	228.00	12.00	153	1465.0
33	1.00	1.00	34.95	228.00	12.00	153	1465.0
34	1.00	1.00	34.95	228.00	12.00	153	1465.0
35	1.00	1.00	34.95	228.00	12.00	153	1465.0
36	1.00	1.00	34.95	228.00	12.00	153	1465.0
37	1.00	1.00	34.95	228.00	12.00	153	1465.0
38	1.00	1.00	34.95	228.00	12.00	153	1465.0
39	1.00	1.00	34.95	228.00	12.00	153	1465.0
40	1.00	1.00	34.95	228.00	12.00	153	1465.0
41	1.00	1.00	34.95	228.00	12.00	153	1465.0
42	1.00	1.00	34.95	228.00	12.00	153	1465.0
43	1.00	1.00	34.95	228.00	12.00	153	1465.0
44	1.00	1.00	34.95	228.00	12.00	153	1465.0
45	1.00	1.00	34.95	228.00	12.00	153	1465.0
46	1.00	1.00	34.95	228.00	12.00	153	1465.0
47	1.00	1.00	34.95	228.00	12.00	153	1465.0
48	1.00	1.00	34.95	228.00	12.00	153	1465.0
49	1.00	1.00	34.95	228.00	12.00	153	1465.0
50	1.00	1.00	34.95	228.00	12.00	153	1465.0



LINC-84 STATION 11(1) CTD 25/MAY/1984 909 GMT CODE = 5  
 LAT = 78.9317N LMG = 7.5983E LTR = 30 UGEM = 30.0  
 AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DIMHT	SOUND
0	0.49	0.46	34.93	28.02	8.7	128	1462.26257
5	0.24	0.21	34.90	28.04	7.5	131	1462.14610
10	-0.24	-0.22	34.91	28.06	5.2	134	1460.14610
15	-0.57	-0.57	34.91	28.07	1.6	135	1461.14625
20	-0.82	-0.84	34.91	28.08	0.0	135	1462.14625
25	-0.97	-0.99	34.91	28.08	0.0	135	1462.14625
30	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
1135.0	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625

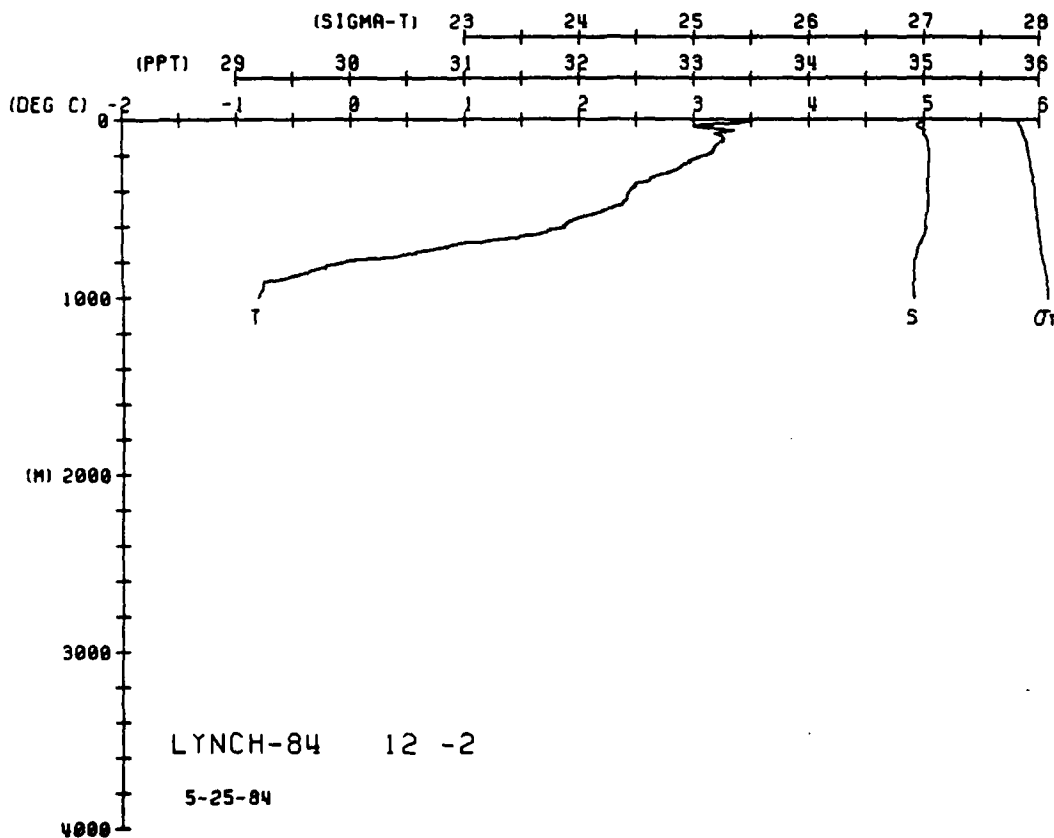
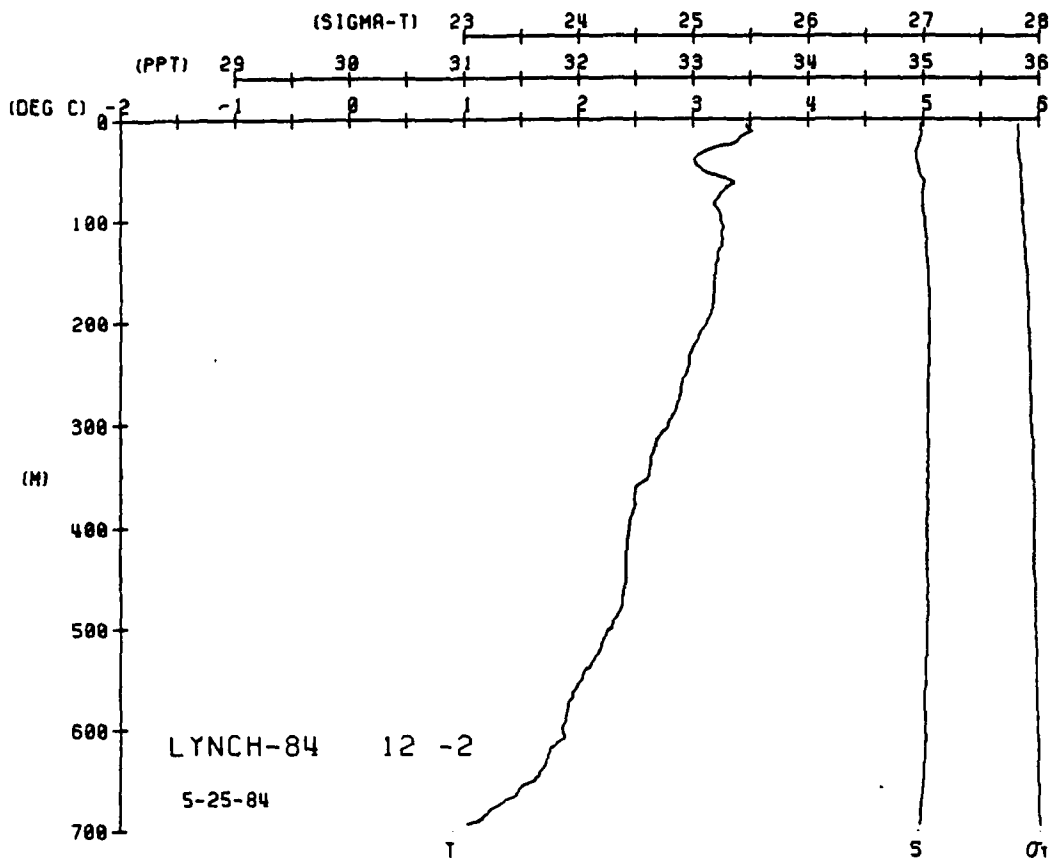
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DIMHT	SOUND
35	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
40	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
45	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
50	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
55	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
60	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
65	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
70	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
75	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
80	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
85	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
90	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
95	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
100	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
105	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
110	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
115	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
120	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
125	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
130	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625
135	-0.98	-1.01	34.91	28.08	0.0	135	1462.14625



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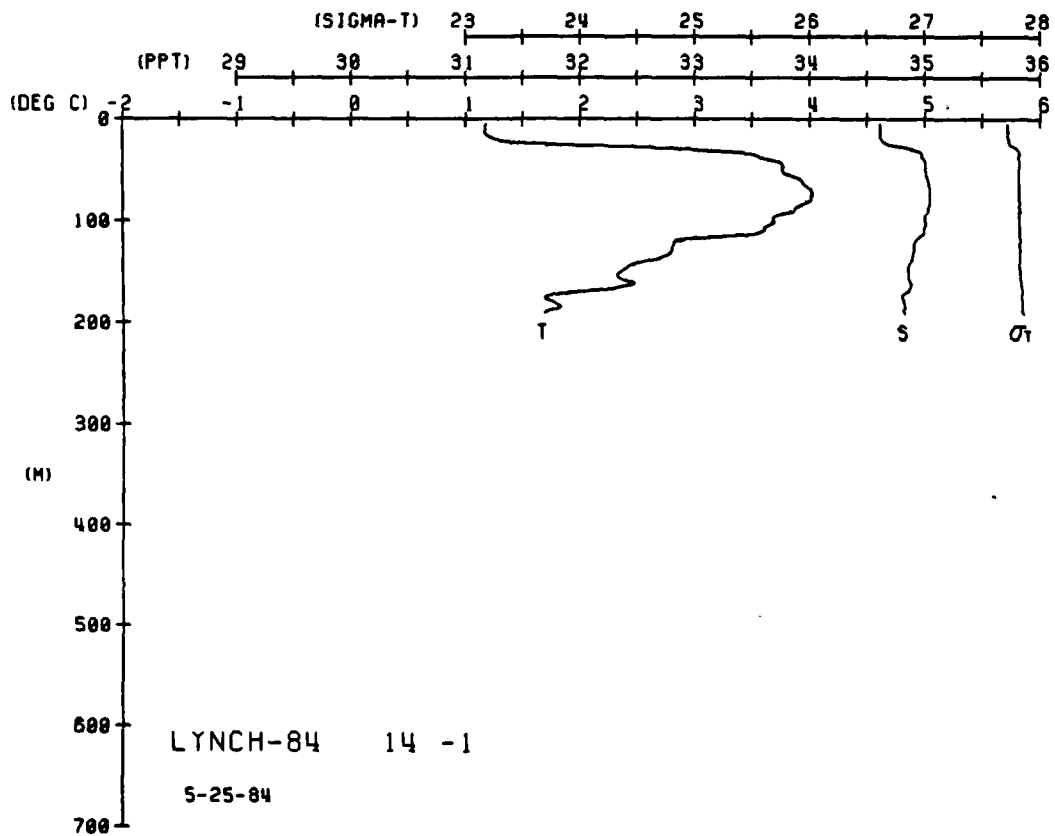
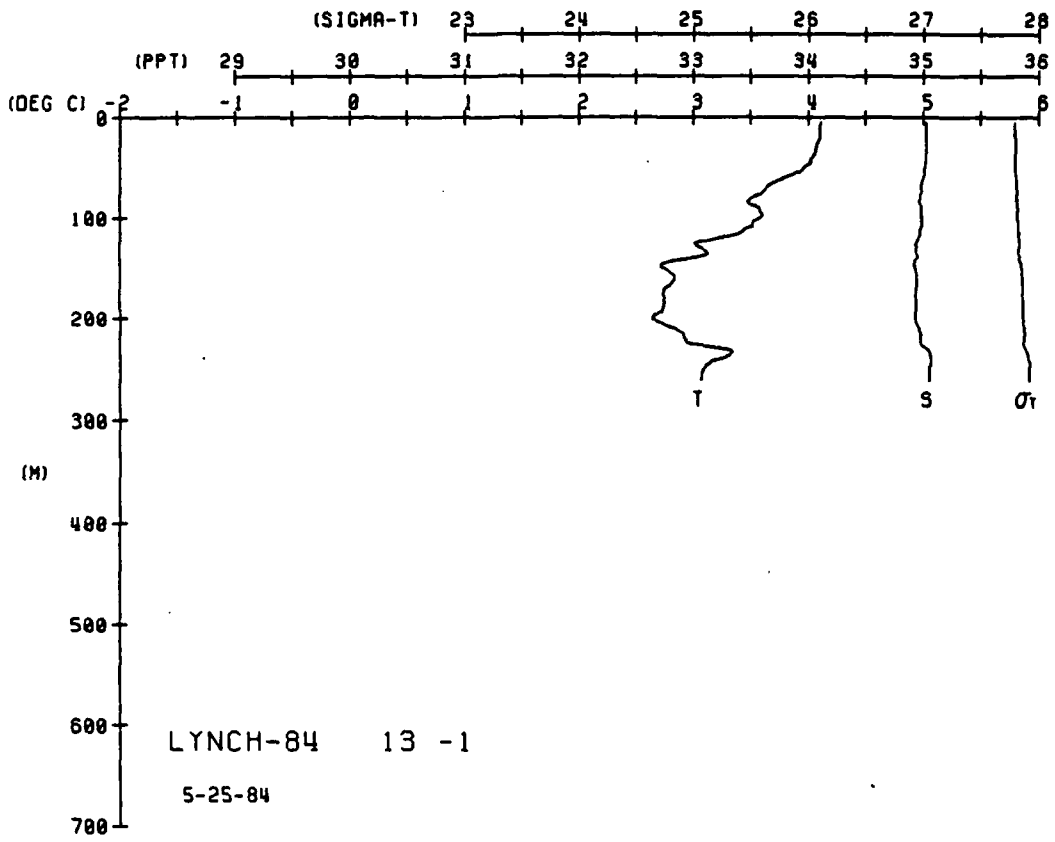
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5	0.57	0.82	34.95	22.03	9.6	128	1461.3
10	0.57	0.82	34.95	22.03	9.6	128	1461.3
15	0.57	0.82	34.95	22.03	9.6	128	1461.3
20	0.57	0.82	34.95	22.03	9.6	128	1461.3
25	0.57	0.82	34.95	22.03	9.6	128	1461.3
30	0.57	0.82	34.95	22.03	9.6	128	1461.3
35	0.57	0.82	34.95	22.03	9.6	128	1461.3
40	0.57	0.82	34.95	22.03	9.6	128	1461.3
45	0.57	0.82	34.95	22.03	9.6	128	1461.3
50	0.57	0.82	34.95	22.03	9.6	128	1461.3
55	0.57	0.82	34.95	22.03	9.6	128	1461.3
60	0.57	0.82	34.95	22.03	9.6	128	1461.3
65	0.57	0.82	34.95	22.03	9.6	128	1461.3
70	0.57	0.82	34.95	22.03	9.6	128	1461.3
75	0.57	0.82	34.95	22.03	9.6	128	1461.3
80	0.57	0.82	34.95	22.03	9.6	128	1461.3
85	0.57	0.82	34.95	22.03	9.6	128	1461.3
90	0.57	0.82	34.95	22.03	9.6	128	1461.3
95	0.57	0.82	34.95	22.03	9.6	128	1461.3
100	0.57	0.82	34.95	22.03	9.6	128	1461.3

DEPTH	TEMP	PTEMP	SALIN	SIC I	SPYUL	DINHT	SOUND
0	0.60	0.83	34.96	22.03	9.6	128	1461.3
5	0.57	0.82	34.95	22.03	9.6	128	1461.3
10	0.57	0.82	34.95	22.03	9.6	128	1461.3
15	0.57	0.82	34.95	22.03	9.6	128	1461.3
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25	0.57	0.82	34.95	22.03	9.6	128	1461.3
30	0.57	0.82	34.95	22.03	9.6	128	1461.3
35	0.57	0.82	34.95	22.03	9.6	128	1461.3
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45	0.57	0.82	34.95	22.03	9.6	128	1461.3
50	0.57	0.82	34.95	22.03	9.6	128	1461.3
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70	0.57	0.82	34.95	22.03	9.6	128	1461.3
75	0.57	0.82	34.95	22.03	9.6	128	1461.3
80	0.57	0.82	34.95	22.03	9.6	128	1461.3
85	0.57	0.82	34.95	22.03	9.6	128	1461.3
90	0.57	0.82	34.95	22.03	9.6	128	1461.3
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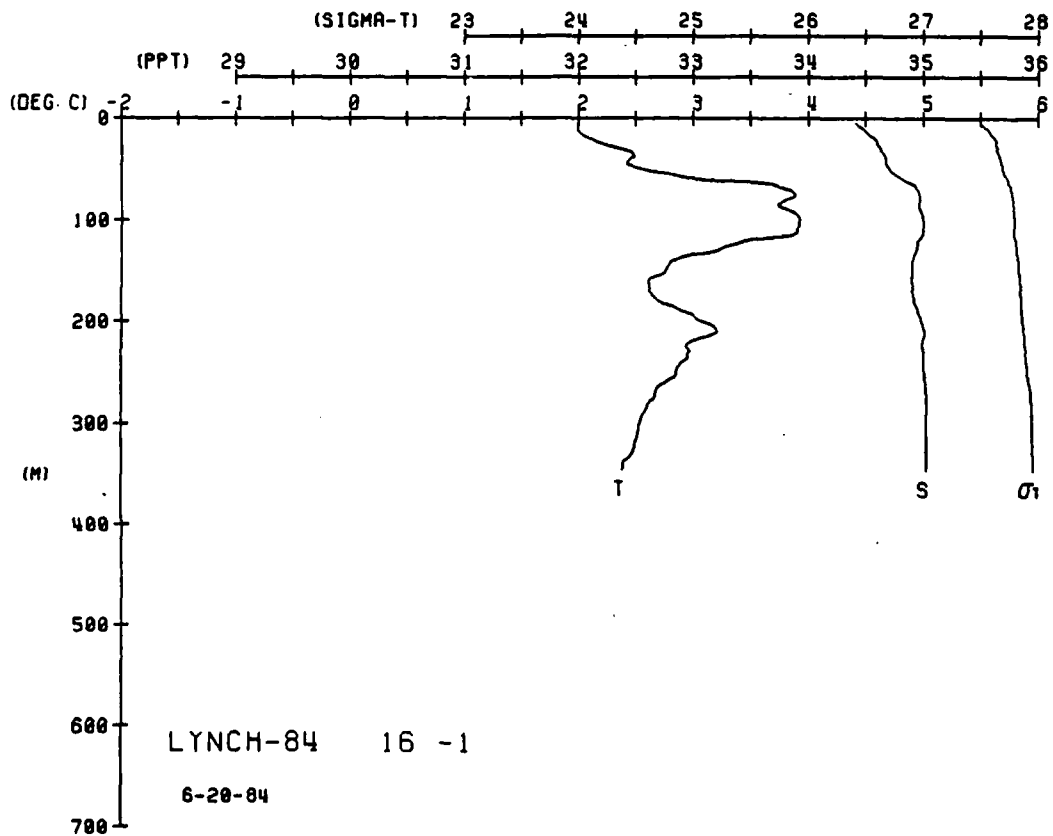
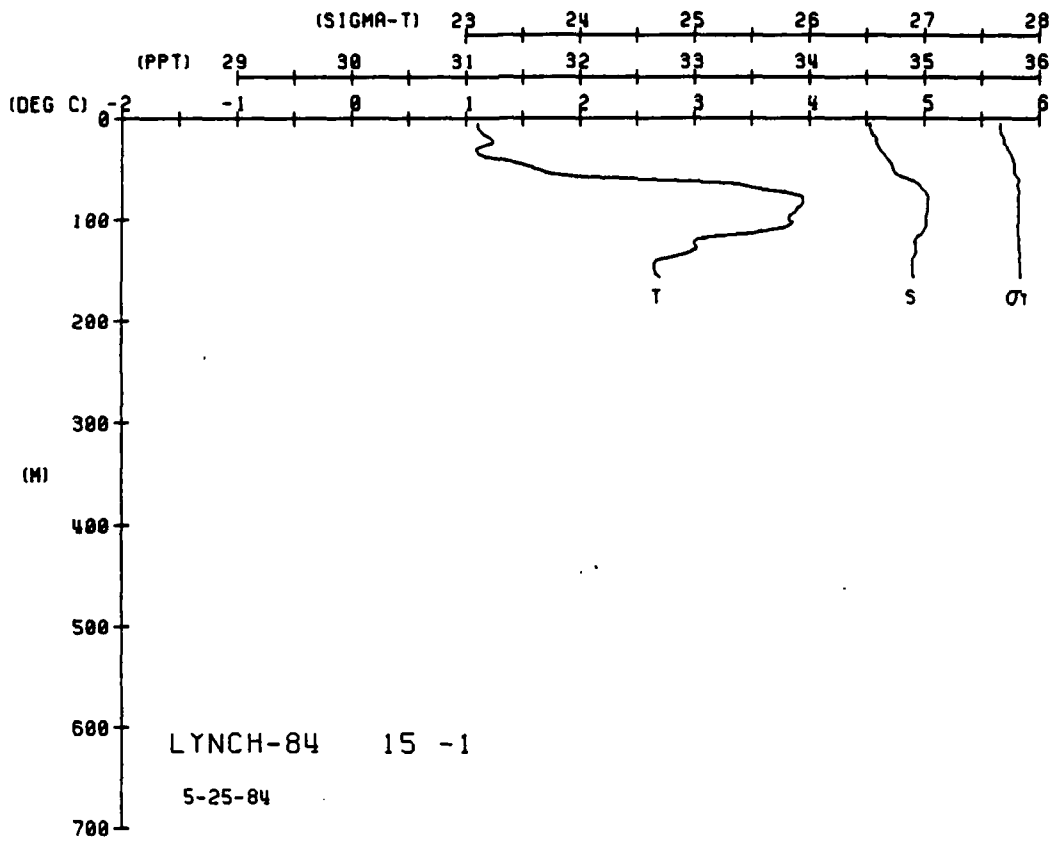




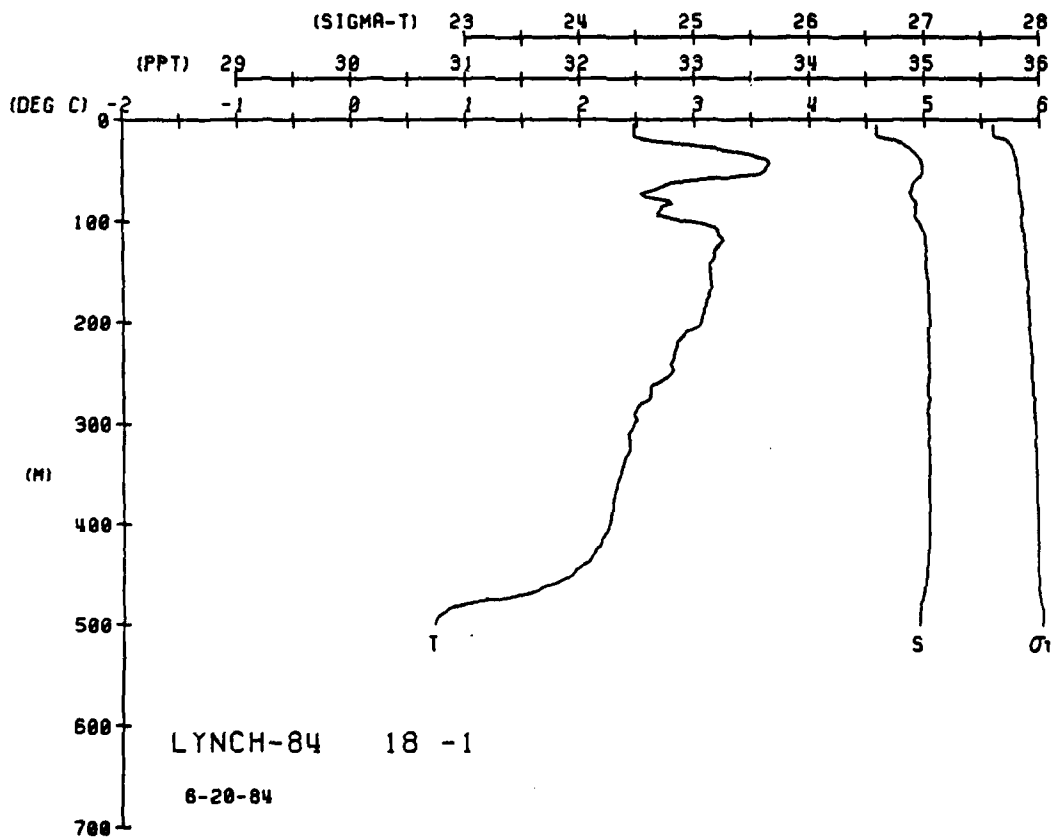
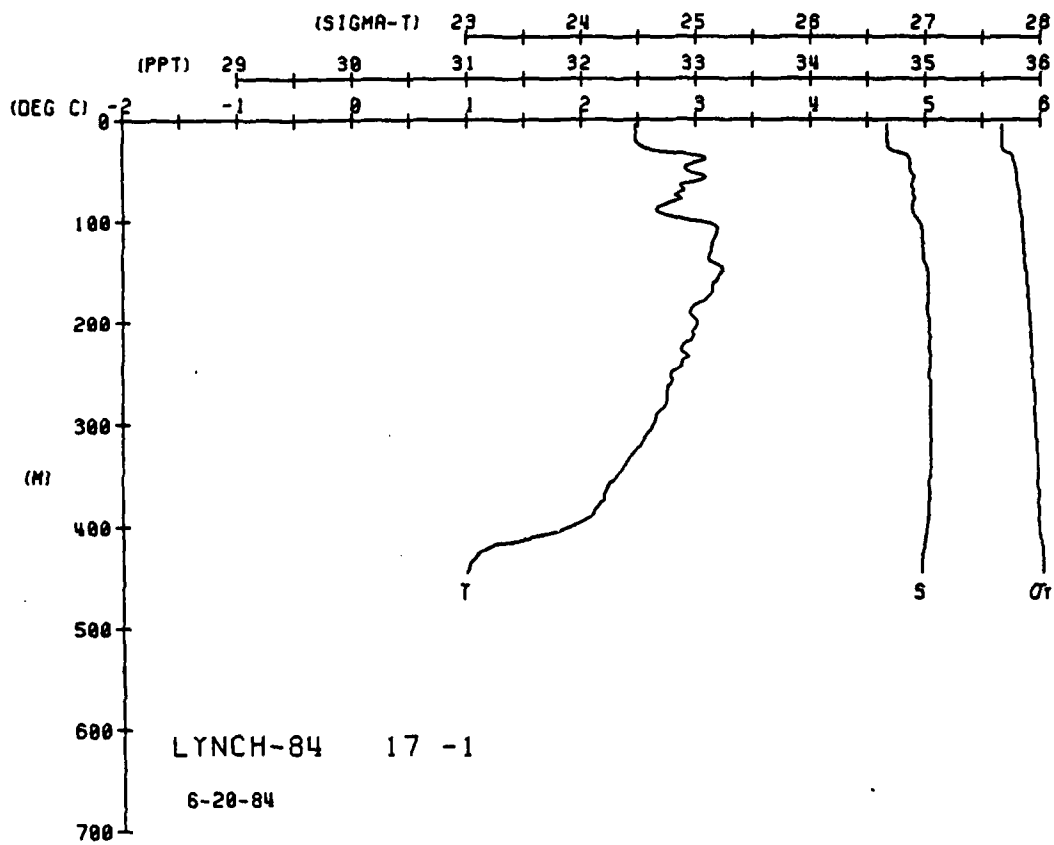




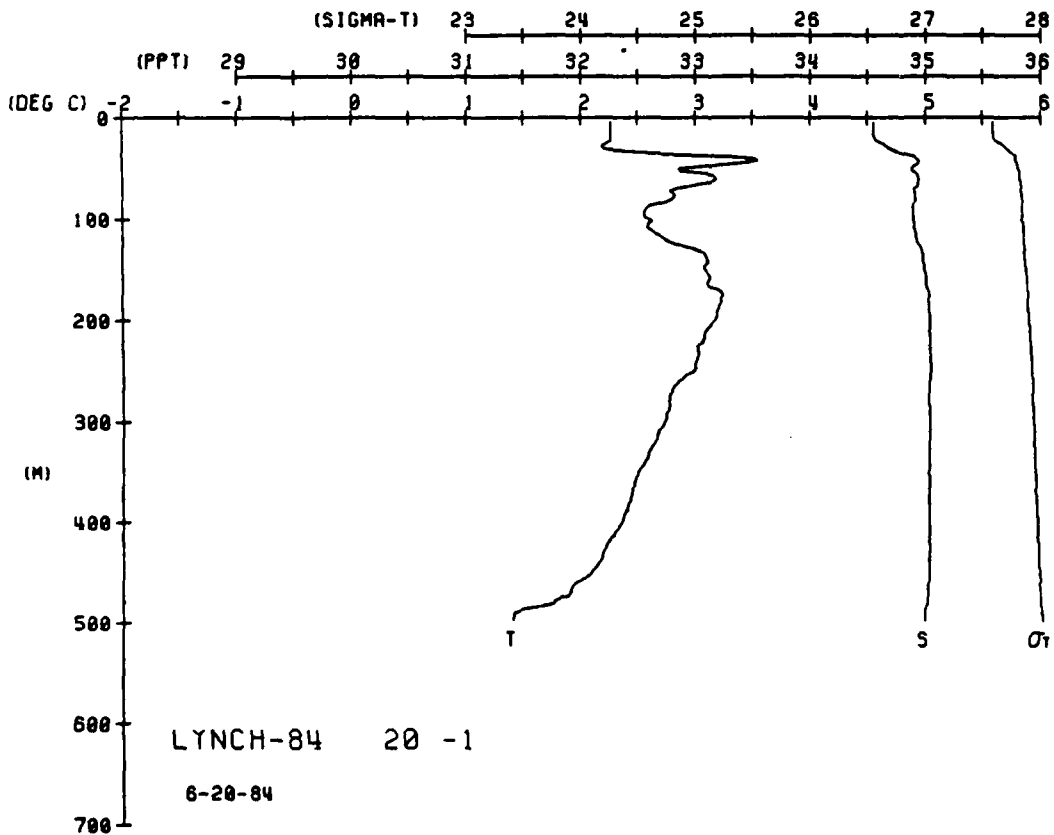
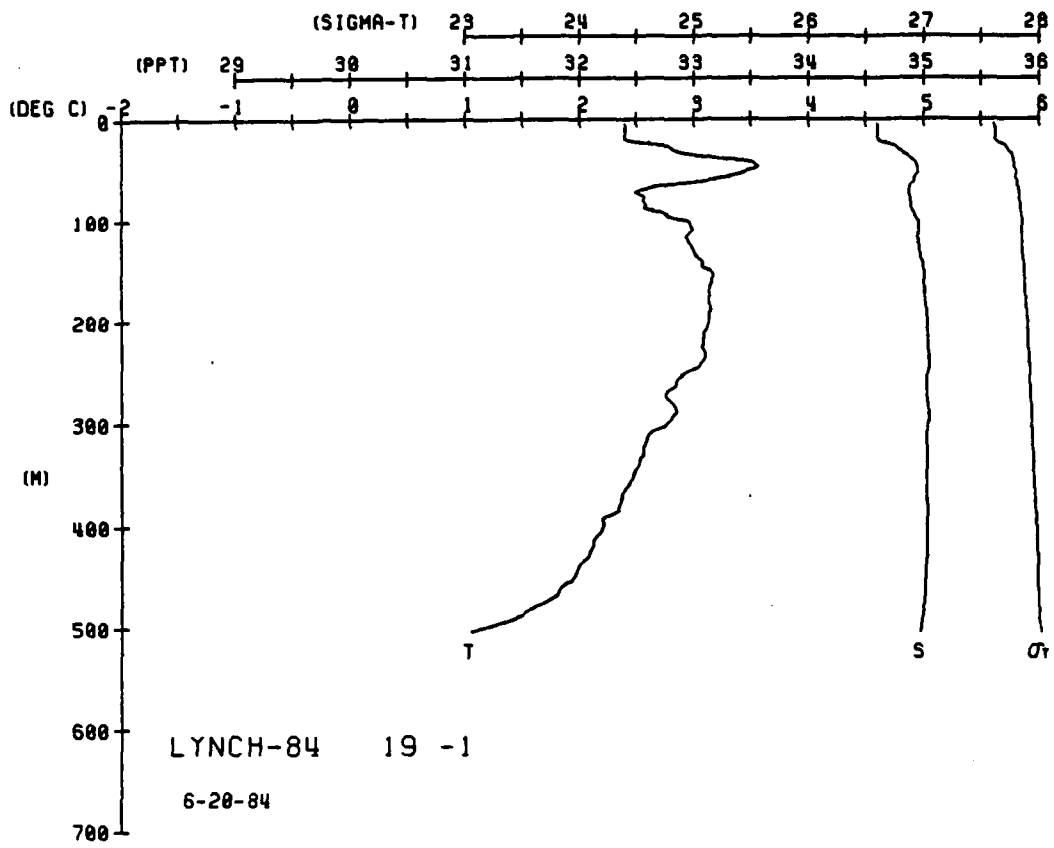






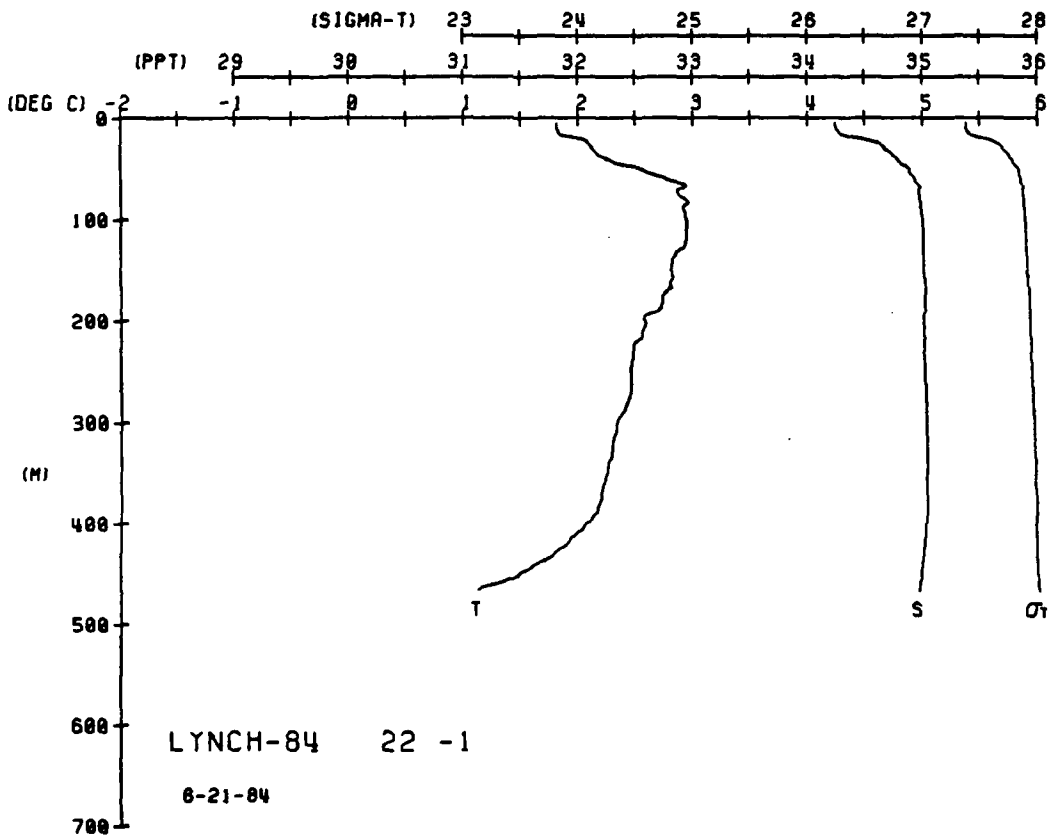
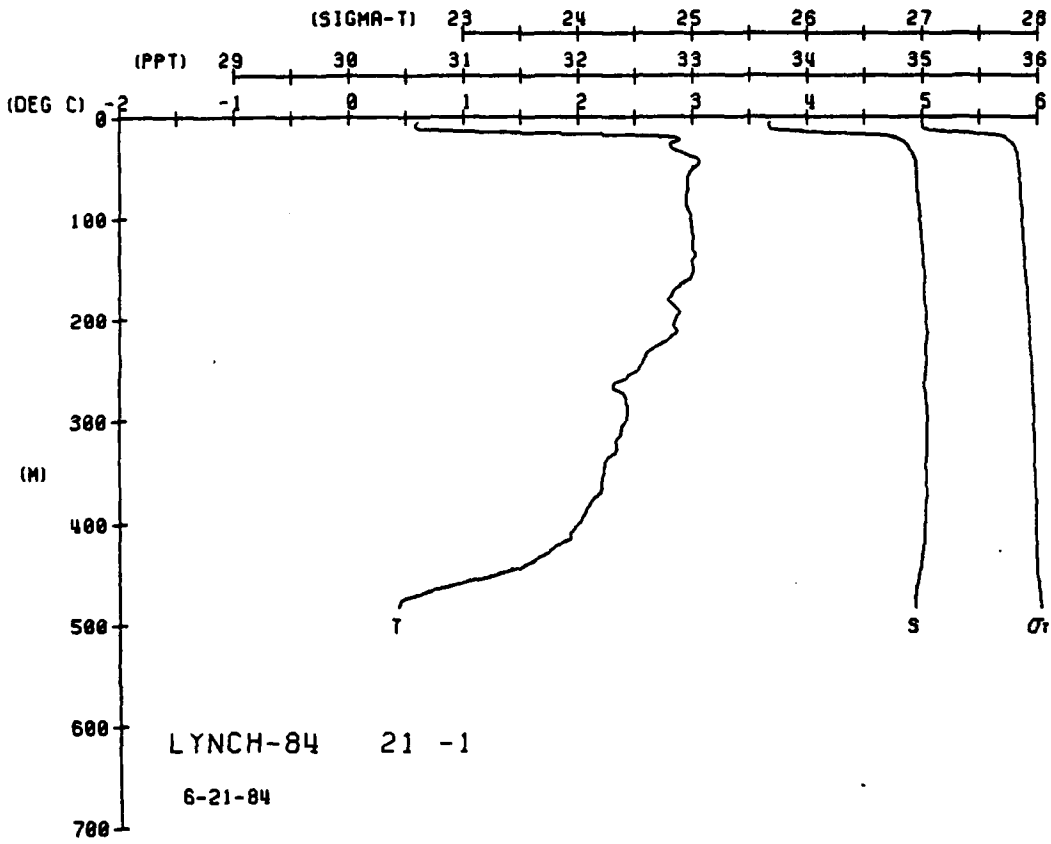




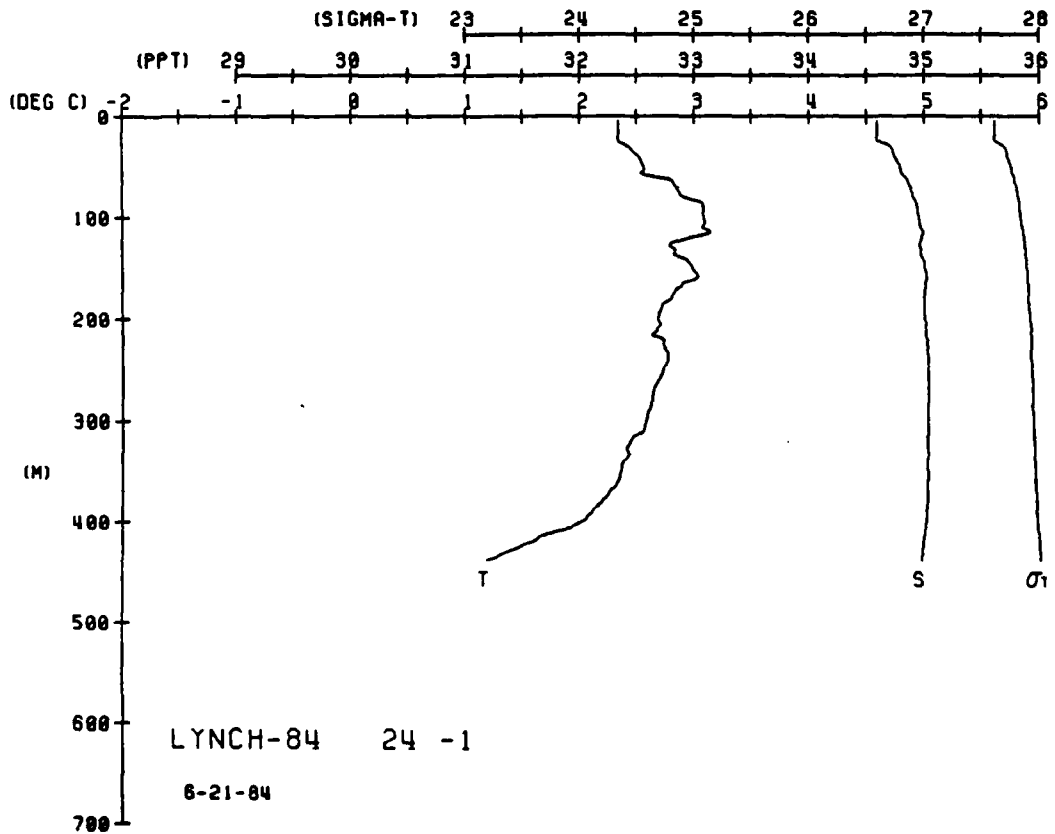
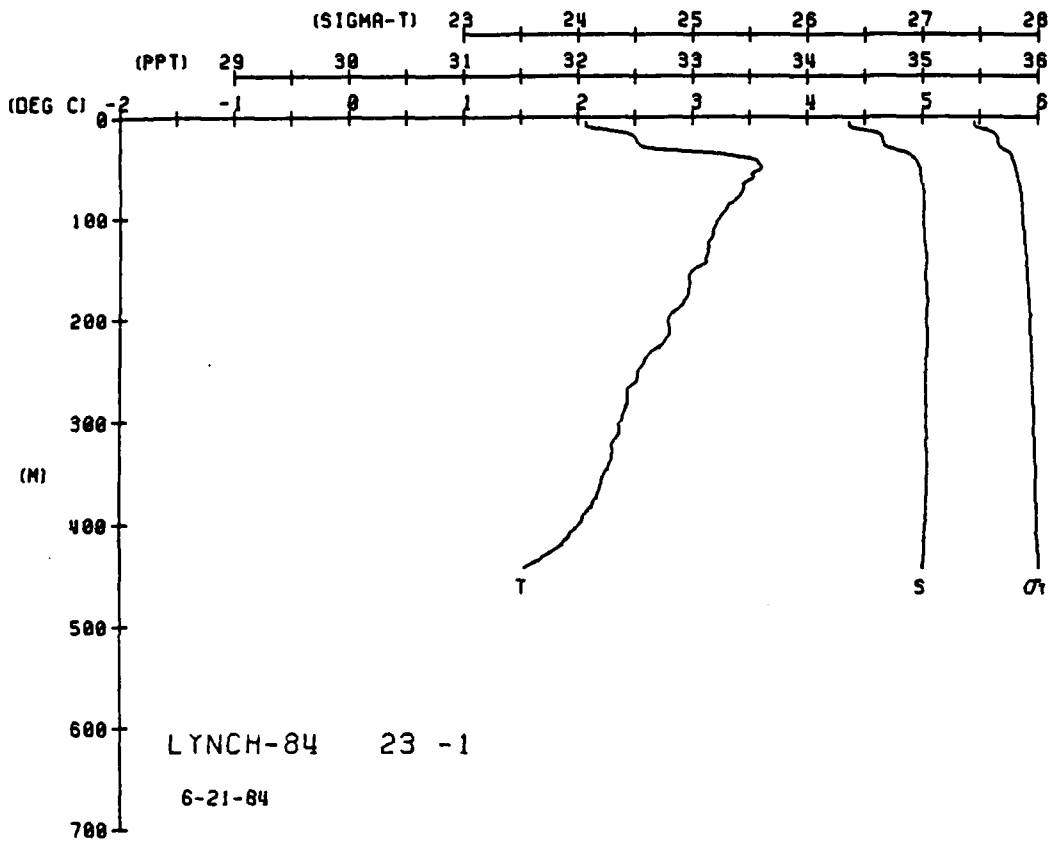


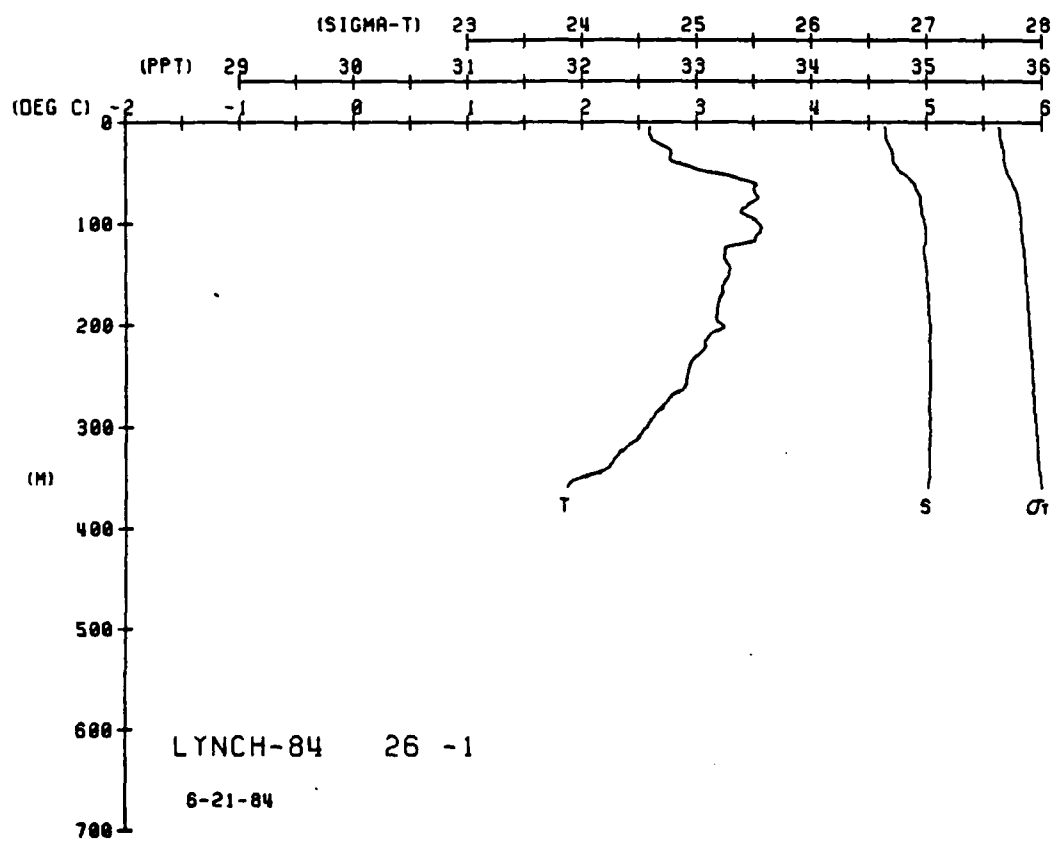
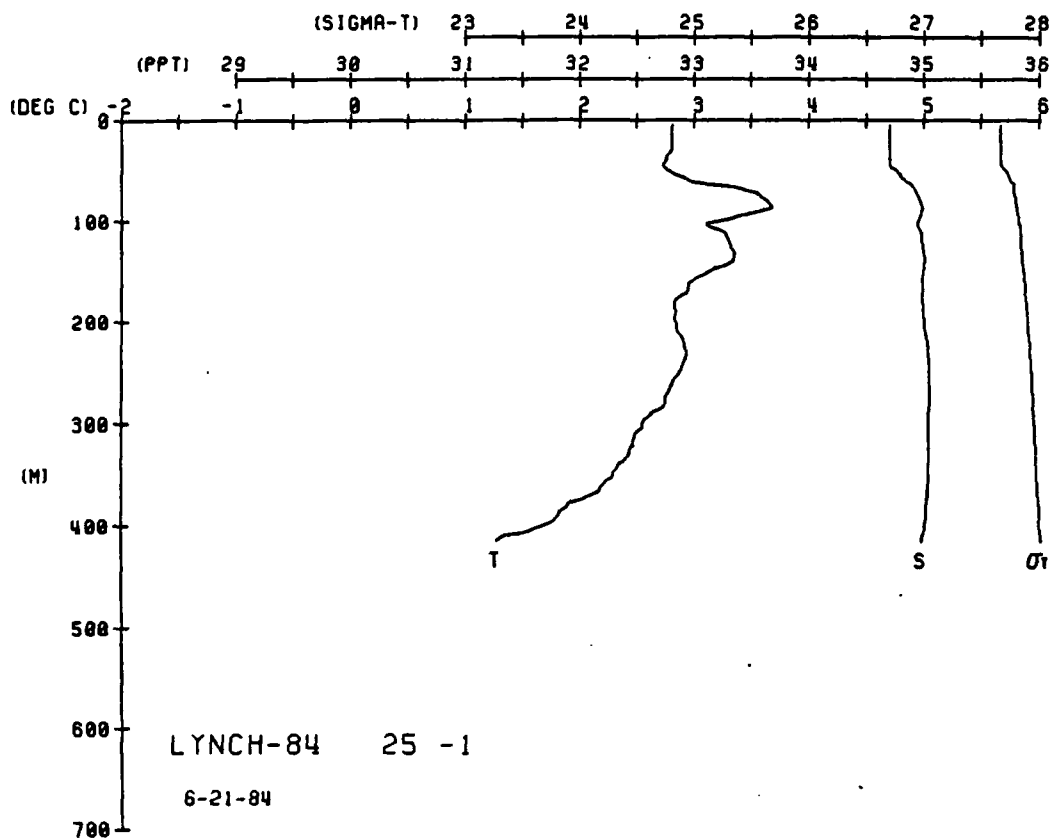














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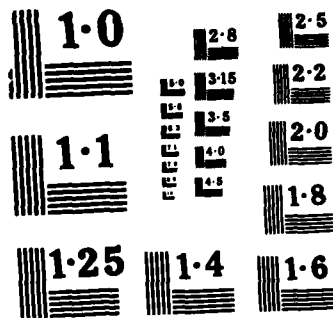
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)  During the summer of 1984, the Arctic Oceanography Department of Lamont-Doherty Geological Observatory acquired a total of 222 helicopter-based C/STD stations within the ice-covered region of Fram Strait to a nominal depth of 500 m. This program was accomplished as part of an international experiment known as MIZEX East 1984. The two ships used in helicopter operations were the F/S <u>Polarstern</u> and the M/V <u>Polarqueen</u> .		

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The USNS Lynch was also used to obtain 26 CTD stations from two separate legs into Fram Strait. The first leg primarily consisted of an open water transect of the strait at a latitude of 79°N. Stations were typically taken to within 10 m of the bottom and extended from the ice edge onto the shelf of Svalbard. The second leg was more acoustically oriented and confined to the southern region of the Yermak Plateau. During this leg, 11 stations to a nominal depth of 450 m were taken.

Standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity are given for each cast along with profiles of temperature, salinity and sigma-t.

This technical report outlines the acquisition and basic reduction techniques of these data.

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