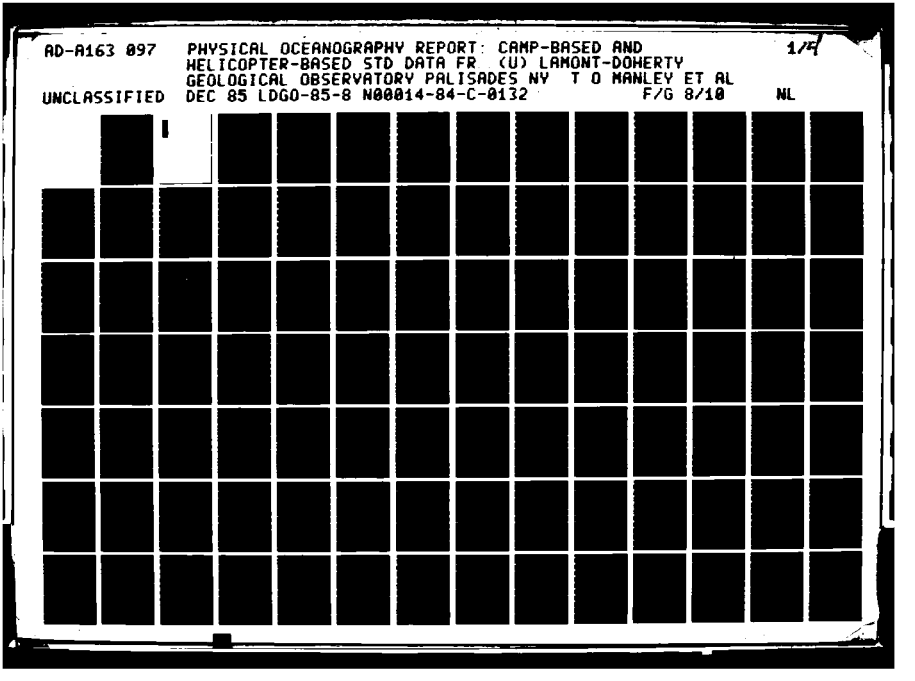
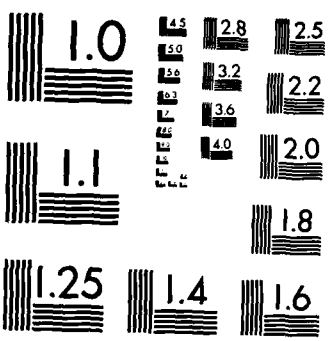

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PHYSICAL OCEANOGRAPHY REPORT:

CAMP-BASED and HELICOPTER-BASED STD DATA

from the DRIFTING ICE STATION FRAM III

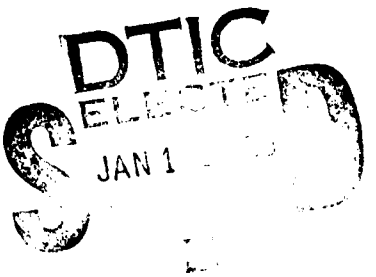
by T.O. Manley and Dennis B. Camp

TECHNICAL REPORT

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Lamont-Doherty Geological Observatory
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Palisades, New York 10964-0190

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ABSTRACT

During the spring of 1981, a manned camp was established on a drifting ice floe north of Spitzbergen. During the 61 days of occupation, the Arctic Oceanography Department of Lamont-Doherty Geological Observatory obtained a total of 194 STD stations from the combined efforts of personnel in charge of camp-based and helicopter-based operations. This report describes the methods used in the acquisition and processing of the data and provides output for each cast.

The output consists of standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity, along with corresponding profiles of temperature, salinity and sigma-t.

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INTRODUCTION

Beginning in 1979, the Office of Naval Research reoriented its basic research activities from the Beaufort Sea of the western Arctic Ocean to the eastern Arctic Ocean located just north of the Fram Strait with the implementation of the FRAM series of experiments from 1979 to 1982. Although FRAM II (Dyer and Baggeroer, 1980) and FRAM IV were primarily focused toward underwater acoustics, FRAM I (Hunkins et al., 1979) and FRAM III (Manley et al., 1982a) were slanted toward geophysics and oceanography. Of the several different passages which connect the Arctic with the other oceans, Fram Strait, which lies between Greenland and Sptizbergen, is by far the most important. It is in this region that the major amount of heat, salt, and mass are exchanged with the world's oceans by way of the cooler and fresher outflowing polar waters and the inflowing warmer, more saline water from the Atlantic. Relatively speaking, the Arctic Ocean is one of the most poorly understood oceans, yet at the same time it may play a significant role in climatic variability (Barry, 1983).

In order to better understand the role that the Arctic plays in the determination and modification of climate, both locally and globally, important processes which control the transfer of heat, mass, and salt within the context of the very complex interactions of air, sea, and ice must be defined more quantitatively.

During the FRAM field experiments, the major concerns of the oceanographic team were: 1) a more quantitative look at the vertical heat exchange

between the atmosphere and ocean through the ice cover (McPhee, 1980a, b), and 2) the spatial and temporal variability of the upper layer (less than 500 m) oceanic structure (horizontal and vertical) which resides beneath the permanent ice cover (Manley et al., 1982a; Baggeroer et al., 1985).

Ship-based research in the Arctic is highly restricted to the summer ice-free regions typically located over the bordering continental shelves and associated marginal ice zones where ice-concentration is highly variable. Research conducted within the deep interior of the Arctic must, however, be staged on 2-3 m thick sea ice or ice islands (continental tabular icebergs), such as the newly established Canadian Arctic Ice Island located near Ellesmere Island (MSID, 1985). These drifting manned ice camps are established and maintained, by necessity, by aircraft ranging in size from helicopters to C-130s (Heiberg and Hielscher, 1985).

Once established, the differential forcing of wind (and, therefore, stress) on the fragile sea ice cover may cause camp breakups like those at camps Big Bear and Snowbird during the Arctic Ice Dynamics Joint Experiment in 1975-1976 and FRAM III in 1981. The constant movement of the sea ice cover not only affects logistical operations, but also the interpretation of oceanographic measurements. If one can consider the ocean to be in steady state (time independent), then the observations can be easily interpreted regardless of the rather random drift track that the ice camp takes. For very large-scale or slowly varying processes this concept may still be acceptable, however, this concept breaks down when looking at highly variable structures such as oscillating fronts, eddies, and other short-term local dynamics. In these scenarios the time and space dependency of a vast majority of the observations

taken from ice camps cannot be separated. As a result, the interpretation becomes suspect and confused.

This basic problem, as well as having no spatial control of station location, forced oceanographers to use aircraft as one of their basic tools to obtain rapid (nearly synoptic) views of the oceanic structure over rather large areas. In addition, it gave them the ability to continually remap specific areas allowing them to define temporal variability.

This report details the work that Lamont oceanographers have completed during the FRAM III Expedition with special detail given to the camp-based and helicopter-based C/STD data.

PHYSICAL OCEANOGRAPHY PROGRAM

Camp-Based CTD

Located at the main camp was a Mark III Neil Brown CTD system, with reel-to-reel audio recorder and a Hewlett-Packard 1000-M series computer. The audio recorder was used in recording the original FSK (up-the-line) signals, while the computer system acquired, plotted, and recorded data on 9-track tape.

Rigidly attached to the upper housing of the underwater unit was a General Oceanics 12-bottle rosette system. The underwater package (as it will now be called) was lowered through a 4 foot by 4 foot hydrohole which was cut through the ice floe and over which a heated 8 foot by 16 foot hut was placed.

Located directly outside the hut was the engine and hydraulic pack which ran the specially designed winch. The winch itself was equipped with 4200 m of Kevlar cable with two twisted-pair electrical wires.

CTD stations at the camp were nominally taken twice a day to 1500 m with occasional casts taken to the bottom. In order to make sure that data were taken to within 10 m of the bottom, a 12 khz pinger was also attached to the underwater housing. The 12 khz PDR which was also located in the same hut was then used to monitor very accurately the sensor's depth above the sea floor.

Bottle samples for calibration, as well as for geochemical analyses were also obtained on a regular basis throughout the water column.

As the camp drifted over the edge of the Yermak Plateau (Fig. 1), more stations were taken each day due to: 1) shallower water depth, 2) the need to provide simultaneous casts at times when helicopter stations were taken, and 3) an attempt to look at intrusive layering by successive yo-yo casts.

During this time period, a total of 115 CTD stations were taken, the positions of which were along the drift track of FRAM III (Fig. 1).

Helicopter-Based C/STD

Oceanographers at Lamont have expended a great deal of effort in the development of a helicopter-based C/STD system. This system was designed around the first commercially available, light weight, internally recording C/STD system (model 202) developed and marketed by Ocean Data Equipment.

A Bell 204 helicopter was used exclusively during the FRAM experiments and provided more than ample space for equipment, personnel and sensors. The

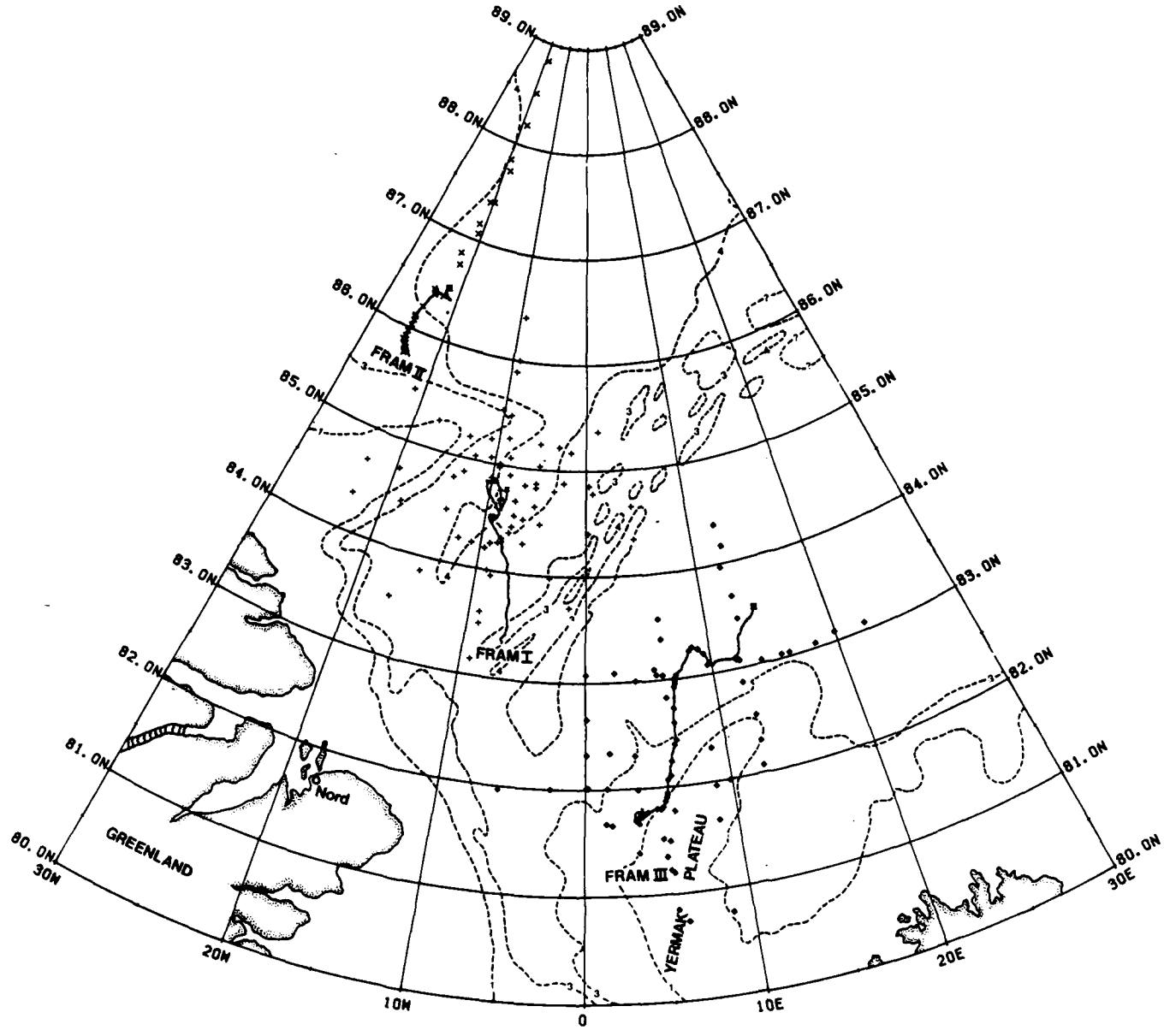


Figure 1 Positions of all helicopter-based CTD stations from drifting camps FRAM I, II and III in relation to Greenland, Spitzbergen and local bottom topography. Camp-based stations are not shown, however, they will lie on the drift track (solid line) of each individual camp. Crosses, plusses and diamonds define those helicopter-based stations taken from FRAM I, II and III, respectively. Dashed lines indicate bottom contours in km.

equipment normally taken on a survey consisted of a 2 kw 110 VAC generator, a winch, hand drill, and chainsaw. The generator supplied power for the hand drill which, in turn, ran the winch. The winch itself was small, light weight, and was equipped with 500 m of 5/32 inch Kevlar cable. An aluminum cantilever/tripod was attached to the base of the winch while on station and was used to guide the CTD cable through man-made holes in the ice or over rough edges of ice floe.

Total weight of the system (including miscellaneous equipment) was approximately 200 pounds. Navigation was via OMEGA/VLF and was good to plus or minus 300 m at those latitudes. Normal distances of surveys extending away from the main camp were from 50 to 80 km, although distances up to 150 km were occasionally reached.

The model 202 C/STD underwater unit consisted of self-contained sensing and recording packages which were mechanically and electrically coupled together into a single unit measuring 18 cm (7 inches) in diameter, 110 cm (4.3 feet) long and weighing 32 kgs. Values of pressure, temperature, and conductivity were always recorded at the fastest sampling rate of 5 scans per second, with digital resolution of 12 bits over the selected range of each sensor. After a sufficient amount of data were stored in the system's memory, the data were then transfered to cassette tape. A normal cassette was capable of storing some 1.6 Mbits of data, or in terms of actual operation, nearly 1.5 hours. Normally at the completion of each helicopter CTD station, the cassette was checked for proper advancement and replaced with a new one for the next station. Even though actual duration of the station was short (roughly 30 minutes), this was the safest method to insure that the data were

actually recorded and that the tape was not exhausted in the midst of a future cast.

Typical duration of the rechargeable battery pack for the sonde was roughly five hours at the low, near freezing temperatures of the water column (-1.8 degrees C to 3.0 degrees C). Although the actual "on time" of the underwater unit was governed primarily by the depth of the cast and the lowering and raising rate, five to eight stations to depths of 300 m were normally obtained within any given survey.

Raw digital data residing on the cassettes were then converted into nearly final plots of pressure, temperature, and salinity with use of the reader/display deck unit which had the most recent calibration equations of the individual sensors incorporated into its software. Using this information, horizontal plan views, as well as vertical cross-sections of the temperature and salinity fields in the upper layers could be produced back at the camp. Depending on the features observed, or lack thereof, the next day's field operations were then scheduled.

Using this mode of operation, a total of 79 helicopter-based C/STD stations were obtained during the FRAM III experiment. Several of these were taken at the camp to provide intercalibration runs with the Neil Brown. The positions of these helicopter-based stations are shown in Fig. 1. A more detalied description of helicopter field operations during FRAM I and III are given by Manley et al., 1982.

C/STD DATA PROCESSING

During the field program, the 202 pressure transducer became inoperative and was replaced with one from the Neil Brown CTD system spares. The replacement was of a much deeper sensor, and, as a result, decreased the depth resolution of the 202. Fortunately, the depth channel was recalibrated in the field by way of intercalibration stations with the Neil Brown.

Prior to decimation, the intercomparison stations were rerun to provide more exact information on pressure calibration and possible long-term drift of the two different 202 pressure tranducers compared to the Neil Brown. From this analysis, no long-term drift was observed and only slight calibration differences were applied to the ODEC data prior to decimation.

Since the pre- and post-cruise calibrations of the helicopter unit (completed at Northwest Regional Calibration center, NWRCC) and the Neil Brown unit (completed at WHOI) showed no significant deviations of the remaining sensors, no other precursory calibrations were required before processing the data.

Temperature lag coefficients, τ, for each sensor were required, however, prior to decimation in order to better match the temperature and conductivity data. 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 decending 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 τ was set at 0.0 and 0.10 seconds for pre- and post-transducer replacement on the 202, and 0.0 seconds for the Neil Brown.

Due to a combination of software and hardware problems, many of the camp-based stations were not recorded on 9-track tape. As a result, audio tapes were used to reconstruct these stations back into 9-track data and produced typically noisier than ususal data. Even those stations recorded on 9-track were found to be somewhat noisy, although subsequent processing cleared up most of these problems.

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

As mentioned earlier, a majority of the camp-based stations (reproduced via audio conversion, as well as digital) were somewhat noisy. Similar results were also seen in the helicopter data, although this was caused primarily by the decreased depth resolution of the 202 resulting from the newer, wider-range pressure transducer. In order to accomplish the required smoothing and be consistent over all stations, two successive 5-point filters were used on all of the decimated data.

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. Again, these decisions were subjective and depended largely on the local conductivity and temperature structure.

At the same time, the upper 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 hydroholes, seal holes or off the edge of a floe).

STD CALIBRATION

Bottle data provided the final calibration for the salinity data and proved to be the most difficult procedure to perform since it was found that the rosette system was misfiring roughly half-way through the experiment (i.e., a single trip on the deck unit might fire one or two bottles on the rosette). Therefore, some of the salinity bottles obtained for calibration purposes gave erroneous results.

In order to objectively remove the bad data, a quadratic least-squares best-fit equation was determined for the salinity differences (Neil Brown minus bottle) versus pressure. After each run, all bottle differences outside a window of 1 standard deviation from the calculated curve were thrown out. With the remaning values, a new best-fit equation and associated standard deviation were then calculated. This process was completed three times and yielded a pressure dependent salinity calibration equation with a standard deviation of .02°/₀₀ (Fig. 2).

The Neil Brown salinity data were then recalculated using the determined equation. ODEC salinities were then compared to those of the Neil Brown at several pressure levels during the intercalibration stations. Salinity differences showed that there was only a minor offset that needed to be applied to the ODEC salinity data to make it conform to the calibrated Neil Brown data.

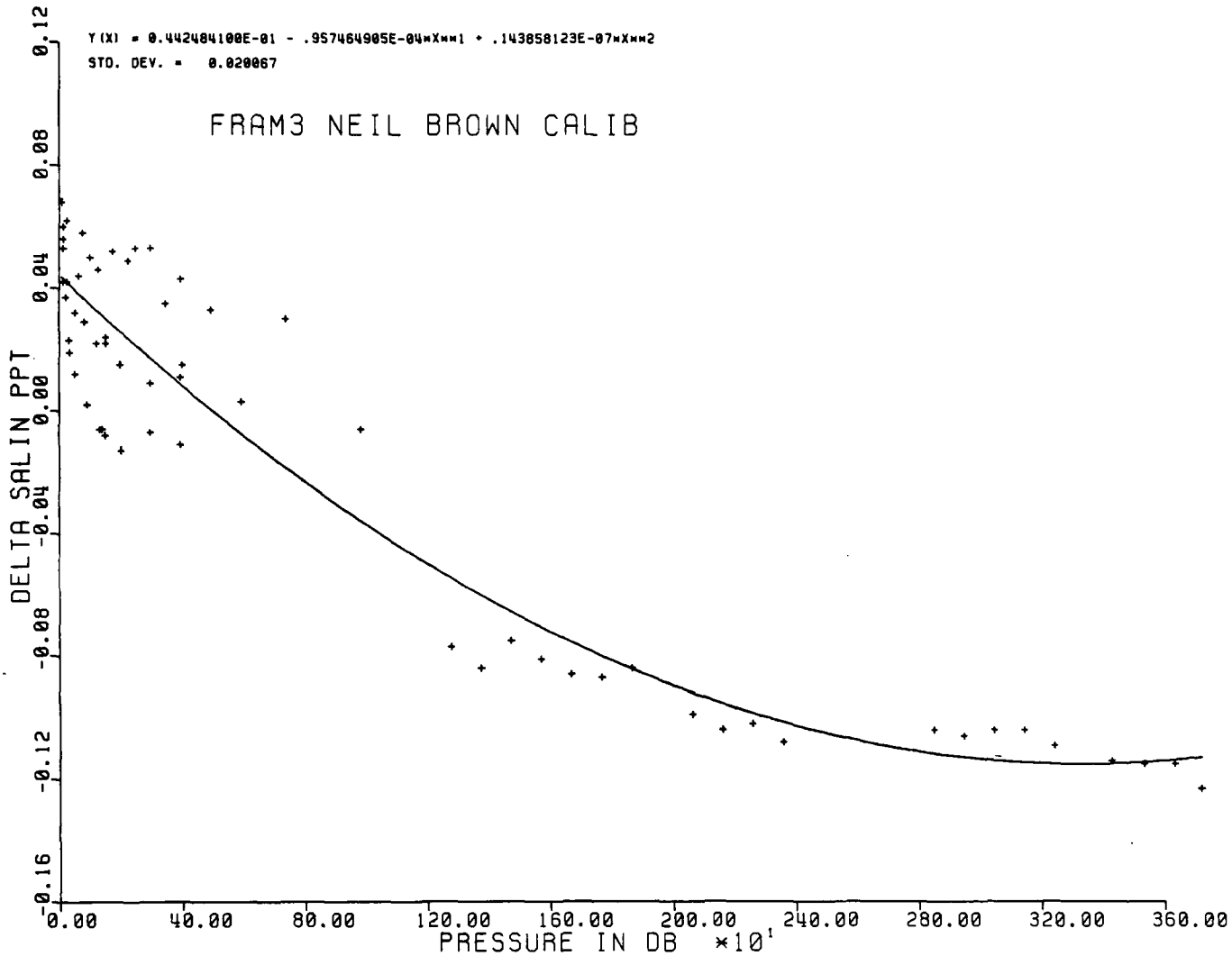


Figure 2 Final least-squares best-fit equation for salinity differences (Neil Brown minus bottle) versus pressure. The equation is defined in the upper left hand corner and plotted in relation to the bottle differences (DELTA SALIN) in ppt.

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,σ_t) versus depth.

A station header listing provides a quick glance reference to all the basic station information and is found directly in front of the data section. The information contained within these listings includes the camp identification; consecutive station number; a ship designation; the day, month, year, corresponding Julian day of the start of the station; a processing code; 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, and σ_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	Code defines whether station was taken with Neil Brown or ODEC model 202 C/STD CP = Neil Brown HE = ODEC model 202
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 1981)
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 shwon are Greenwich Mean Time

Code = I — Processing Code where if 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 (gm/cm^3) = 1.0 ((Sig T) * 1000.0)
SPVOL	Specific volume anomaly (x $10^{-5} cm^3/gm$)
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 (σ_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, or σ_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 of the profiles is in the lower left hand corner and in the following format:

FRAM III 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 a typical 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 and preliminary data processing were supported by the Office of Naval Research under contract N00014-76-C-004, while final data processing and publication of this report was funded under contract N00014-84-C-0132 and Lamont institutional funds. Jay Ardai and Ken Hunkins acquired the vast majority of the helicopter data. Bruce Huber and Bill Haines continually helped us with the technical end of data processing, and we are gratefully indebted to them. Last, but not least, we wish to acknowledge the efforts of the helicopter crew on FRAM III, who we knew well from FRAM I. Our thanks for their continual efforts and help.

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STD DATA

The helicopter- and camp-based stations, although numbered differently in the field, have since been interwoven into a continuous (time sequential) data set and are presented in the following pages.

At the beginning of the main data section, 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	DY	MON	YR	TIME	CODE	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT.ERR	LNG.ERR
FRAM 3	HE	1	1	30	MAR	81	2000	5	89.8333	4.0	233.3	83.46670	12.68330	300.0	300.0
FRAM 3	HE	2	2	30	MAR	81	2108	5	89.8806	4.0	270.9	83.68330	12.63330	300.0	300.0
FRAM 3	HE	3	2	30	MAR	81	2208	5	89.9222	4.0	270.9	83.90670	12.18330	300.0	300.0
FRAM 3	HE	4	1	4	APR	81	1433	5	94.6062	4.0	502.9	84.16330	12.66000	300.0	300.0
FRAM 3	HE	5	1	4	APR	81	1535	5	94.6493	10.9	503.9	84.37330	12.41830	300.0	300.0
FRAM 3	HE	6	1	7	APR	81	1320	5	97.5556	4.0	502.0	83.07330	12.22170	300.0	300.0
FRAM 3	CP	7	1	7	APR	81	1331	5	97.5632	4.0	3373.7	83.07720	10.03480	30.0	30.0
FRAM 3	HE	8	1	7	APR	81	1508	5	97.6306	4.0	503.9	83.03170	13.88170	300.0	300.0
FRAM 3	CP	9	1	8	APR	81	907	5	98.3799	4.0	1064.7	83.08480	9.95720	30.0	30.0
FRAM 3	CP	10	1	8	APR	81	1416	5	98.5944	4.0	391.4	83.09480	9.90170	30.0	30.0
FRAM 3	HE	11	1	8	APR	81	1706	5	98.7125	4.0	493.1	83.10180	9.86370	30.0	30.0
FRAM 3	CP	12	2	8	APR	81	1716	5	98.7194	4.0	490.1	83.10180	9.86370	30.0	30.0
FRAM 3	HE	13	1	9	APR	81	1038	5	99.4431	4.0	497.0	83.19630	9.49570	30.0	30.0
FRAM 3	CP	14	1	9	APR	81	1146	5	99.4903	4.0	2669.7	83.20180	9.46720	30.0	30.0
FRAM 3	HE	15	1	9	APR	81	2123	5	99.8910	4.0	492.1	83.24630	9.10920	30.0	30.0
FRAM 3	HE	16	1	10	APR	81	1020	5	100.4306	4.0	494.1	83.27500	8.83570	30.0	30.0
FRAM 3	CP	17	1	10	APR	81	1649	5	100.7007	4.0	1462.9	83.25730	8.47070	30.0	30.0
FRAM 3	HE	18	1	10	APR	81	2055	5	100.8715	4.0	498.0	83.24630	8.33930	30.0	30.0
FRAM 3	CP	19	1	11	APR	81	615	5	101.3438	4.0	1462.9	83.20470	8.18070	30.0	30.0
FRAM 3	CP	20	1	11	APR	81	1500	5	101.6250	4.0	1459.0	83.17530	8.02750	30.0	30.0
FRAM 3	CP	21	1	11	APR	81	1958	5	101.8319	4.0	1458.0	83.15880	7.94870	30.0	30.0
FRAM 3	CP	22	1	12	APR	81	830	5	102.3542	4.0	1461.9	83.12250	7.67150	30.0	30.0
FRAM 3	CP	23	1	12	APR	81	1123	5	102.4743	4.0	1462.9	83.11250	7.64370	30.0	30.0
FRAM 3	CP	24	1	12	APR	81	1453	5	102.6201	4.0	1461.0	83.09750	7.59930	30.0	30.0
FRAM 3	HE	25	1	13	APR	81	215	5	103.0938	4.0	289.7	83.07350	7.40970	30.0	30.0
FRAM 3	CP	26	1	13	APR	81	807	5	103.3382	6.9	1463.9	83.06770	7.32530	30.0	30.0
FRAM 3	HE	27	1	13	APR	81	1435	5	103.6076	4.0	496.0	83.03830	16.16670	300.0	300.0
FRAM 3	CP	28	1	13	APR	81	1452	5	103.6194	4.0	1464.9	83.06120	7.26380	30.0	30.0
FRAM 3	CP	29	1	13	APR	81	1950	5	103.8264	4.0	1457.0	83.05380	7.21550	30.0	30.0
FRAM 3	HE	30	1	13	APR	81	2225	5	103.9340	4.0	498.0	83.07000	22.39500	300.0	300.0
FRAM 3	HE	31	1	13	APR	81	2334	5	103.9819	4.0	498.0	83.09170	19.94830	300.0	300.0
FRAM 3	CP	32	1	14	APR	81	811	5	104.3410	4.0	1459.0	83.03980	7.11870	30.0	30.0
FRAM 3	CP	33	1	14	APR	81	943	5	104.4049	4.0	492.1	83.03630	7.11400	30.0	30.0
FRAM 3	HE	34	1	14	APR	81	946	5	104.4069	4.0	491.1	83.03630	7.11400	30.0	30.0
FRAM 3	CP	35	1	14	APR	81	1355	5	104.5799	4.9	1461.0	83.02830	7.07770	30.0	30.0
FRAM 3	CP	36	1	14	APR	81	1953	5	104.8285	4.9	1617.1	83.01220	7.02380	30.0	30.0
FRAM 3	HE	37	1	14	APR	81	2243	5	104.9465	4.0	498.0	83.00600	6.99100	30.0	30.0
FRAM 3	CP	38	1	15	APR	81	903	5	105.3771	4.9	1509.1	82.98450	6.94730	30.0	30.0
FRAM 3	CP	39	1	15	APR	81	1019	5	105.4299	4.0	490.1	82.98250	6.95170	30.0	30.0
FRAM 3	HE	40	1	15	APR	81	1021	5	105.4313	4.0	488.1	82.98250	6.95170	30.0	30.0
FRAM 3	CP	41	1	15	APR	81	1402	5	105.5847	4.0	1459.0	82.97670	6.96430	30.0	30.0
FRAM 3	HE	42	1	15	APR	81	1410	5	105.5903	4.0	500.0	83.07670	-0.05000	300.0	300.0
FRAM 3	HE	43	1	15	APR	81	1513	5	105.6340	4.0	498.0	83.08830	2.30000	300.0	300.0
FRAM 3	HE	44	1	15	APR	81	1610	5	105.6736	4.0	498.0	83.00500	3.92000	300.0	300.0
FRAM 3	HE	45	1	15	APR	81	1708	5	105.7139	4.0	498.0	83.10500	5.45000	300.0	300.0
FRAM 3	CP	46	1	15	APR	81	1948	5	105.8250	4.0	1455.1	82.96700	6.98380	30.0	30.0
FRAM 3	HE	47	1	15	APR	81	2117	5	105.8868	4.0	500.0	83.08500	11.97330	300.0	300.0
FRAM 3	HE	48	1	15	APR	81	2225	5	105.9340	4.0	498.0	83.09000	9.64500	300.0	300.0
FRAM 3	CP	49	1	16	APR	81	821	5	106.3479	4.0	1459.0	82.96080	6.95100	30.0	30.0
FRAM 3	CP	50	1	16	APR	81	1323	5	106.5576	51.4	491.1	82.95830	6.92520	30.0	30.0
FRAM 3	HE	51	1	16	APR	81	1324	5	106.5583	4.0	491.1	82.95830	6.92520	30.0	30.0
FRAM 3	CP	52	1	16	APR	81	1348	5	106.5750	4.0	1456.0	82.95770	6.92250	30.0	30.0
FRAM 3	CP	53	1	16	APR	81	2010	5	106.8403	4.0	1455.1	82.94600	6.88780	30.0	30.0
FRAM 3	CP	54	1	17	APR	81	827	5	107.3521	4.9	1461.9	82.92770	6.81530	30.0	30.0
FRAM 3	HE	55	1	17	APR	81	1008	5	107.4222	4.0	489.1	82.92580	6.81600	30.0	30.0
FRAM 3	CP	56	1	17	APR	81	1008	5	107.4222	4.0	491.1	82.92580	6.81600	30.0	30.0
FRAM 3	CP	57	1	17	APR	81	1404	5	107.5861	6.9	1457.0	82.91700	6.81320	30.0	30.0
FRAM 3	CP	58	1	17	APR	81	2010	5	107.8403	4.0	1453.1	82.90020	6.79670	30.0	30.0
FRAM 3	CP	59	1	18	APR	81	834	5	108.3569	5.9	1457.0	82.86780	6.76200	30.0	30.0
FRAM 3	HE	60	1	18	APR	81	1003	5	108.4188	4.0	496.0	83.08500	12.15670	300.0	300.0
FRAM 3	CP	61	1	18	APR	81	1101	5	108.4590	6.9	1457.0	82.85930	6.76420	30.0	30.0
FRAM 3	HE	62	1	18	APR	81	1236	5	108.5250	4.0	493.1	82.54500	12.53330	300.0	300.0
FRAM 3	HE	63	1	18	APR	81	1648	5	108.7000	4.0	501.0	82.30000	12.43830	300.0	300.0
FRAM 3	HE	64	1	18	APR	81	1800	5	108.7500	4.0	497.0	82.07000	12.29170	300.0	300.0
FRAM 3	CP	65	1	18	APR	81	2019	5	108.8465	4.0	1502.2	82.83770	6.74630	30.0	30.0
FRAM 3	CP	66	1	19	APR	81	1428	5	109.6028	4.0	3558.7	82.80630	6.71150	30.0	30.0
FRAM 3	CP	67	1	19	APR	81	1939	5	109.8187	4.0	1457.0	82.80120	6.72620	30.0	30.0
FRAM 3	CP	68	1	20	APR	81	811	5	110.3410	4.0	1517.9	82.77720	6.66700	30.0	30.0
FRAM 3	CP	69	1	20	APR	81	1355	5	110.5799	4.0	1577.8	82.73750	6.63880	30.0	30.0
FRAM 3	CP	70	1	20	APR	81	1530	5	110.6458	4.0	502.0	82.72870	6.62620	30.0	30.0

CAMP	SH	STAT	MODE	DY	MON	YR	TIME	CODE	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT.ERR	LNG.ERR
FRAM 3	HE	71	1	20	APR	81	1532	5	110.6472	4.0	502.9	82.72870	6.62620	30.0	30.0
FRAM 3	CP	72	1	20	APR	81	1911	5	110.7993	4.0	3648.2	82.70730	6.60530	30.0	30.0
FRAM 3	CP	73	1	21	APR	81	828	5	111.3528	4.0	1593.5	82.51780	6.50050	30.0	30.0
FRAM 3	CP	74	1	21	APR	81	1057	5	111.4562	4.0	499.0	82.59480	6.54200	30.0	30.0
FRAM 3	HE	75	1	21	APR	81	1058	5	111.4569	4.0	500.0	82.59480	6.54200	30.0	30.0
FRAM 3	CP	76	1	21	APR	81	1409	5	111.5896	4.0	1947.6	82.57020	6.51000	30.0	30.0
FRAM 3	HE	77	1	22	APR	81	1431	5	112.6049	4.0	482.2	82.38950	6.38170	30.0	30.0
FRAM 3	HE	78	1	23	APR	81	1431	5	113.6049	4.0	494.1	82.83170	6.15830	300.0	300.0
FRAM 3	CP	79	1	23	APR	81	1535	5	113.6493	4.9	2318.8	82.30870	6.14330	30.0	30.0
FRAM 3	HE	80	1	23	APR	81	1542	5	113.6542	4.0	499.0	83.04170	6.06500	300.0	300.0
FRAM 3	HE	81	1	23	APR	81	1704	5	113.7111	4.0	500.0	83.38330	6.15500	300.0	300.0
FRAM 3	HE	82	1	23	APR	81	1804	5	113.7528	4.0	498.0	83.57500	6.07330	300.0	300.0
FRAM 3	CP	83	1	23	APR	81	2215	5	113.9271	4.0	1459.0	82.28950	6.06520	30.0	30.0
FRAM 3	CP	84	1	24	APR	81	910	5	114.3819	14.8	1726.0	82.25400	6.09680	30.0	30.0
FRAM 3	CP	85	1	24	APR	81	1113	5	114.4674	4.0	489.1	82.24300	6.06770	30.0	30.0
FRAM 3	HE	86	1	24	APR	81	1114	5	114.4681	4.0	488.1	82.24300	6.06770	30.0	30.0
FRAM 3	CP	87	1	24	APR	81	1349	5	114.5757	5.9	1443.3	82.22680	6.03120	30.0	30.0
FRAM 3	CP	88	1	24	APR	81	2302	5	114.9597	4.0	1290.0	82.18450	5.88330	30.0	30.0
FRAM 3	CP	89	1	25	APR	81	839	5	115.3604	4.0	1182.8	82.14980	5.88050	30.0	30.0
FRAM 3	HE	90	1	25	APR	81	1350	5	115.5764	4.0	497.0	81.77500	5.92000	300.0	300.0
FRAM 3	CP	91	1	25	APR	81	1417	5	115.5951	4.0	1204.4	82.11020	5.77470	30.0	30.0
FRAM 3	CP	92	1	25	APR	81	1529	5	115.6451	8.9	491.1	82.10200	5.75780	30.0	30.0
FRAM 3	HE	93	1	25	APR	81	1531	5	115.6465	4.0	489.1	82.10200	5.75780	30.0	30.0
FRAM 3	CP	94	1	25	APR	81	2019	5	115.8465	4.0	1227.1	82.07450	5.69100	30.0	30.0
FRAM 3	CP	95	1	25	APR	81	2133	5	115.8979	4.0	490.1	82.06770	5.65630	30.0	30.0
FRAM 3	HE	96	1	25	APR	81	2135	5	115.8993	4.0	488.1	82.06770	5.65630	30.0	30.0
FRAM 3	CP	97	1	26	APR	81	1202	5	116.5014	4.0	1090.3	82.00520	5.59630	30.0	30.0
FRAM 3	HE	98	1	26	APR	81	1210	5	116.5069	4.0	500.0	81.49330	5.51500	300.0	300.0
FRAM 3	CP	99	1	26	APR	81	1307	5	116.5465	4.0	1089.3	81.99980	5.58830	30.0	30.0
FRAM 3	HE	100	1	26	APR	81	1320	5	116.5556	4.0	498.0	81.35170	5.58830	300.0	300.0
FRAM 3	CP	101	1	26	APR	81	1419	5	116.5965	4.0	1033.2	81.99450	5.58270	30.0	30.0
FRAM 3	HE	102	1	26	APR	81	1431	5	116.6049	4.0	499.0	80.85330	5.59500	300.0	300.0
FRAM 3	CP	103	1	26	APR	81	2042	5	116.8625	25.7	973.2	81.96930	5.55520	30.0	30.0
FRAM 3	HE	104	1	26	APR	81	2100	5	116.8750	4.0	501.0	81.98670	3.55330	300.0	300.0
FRAM 3	CP	105	1	26	APR	81	2131	5	116.8965	4.0	953.5	81.96500	5.52820	30.0	30.0
FRAM 3	CP	106	1	26	APR	81	2204	5	116.9194	4.0	962.3	81.96500	5.52820	30.0	30.0
FRAM 3	HE	107	1	26	APR	81	2205	5	116.9201	4.0	493.1	82.00830	1.49170	300.0	300.0
FRAM 3	CP	108	1	26	APR	81	2244	5	116.9472	20.8	962.3	81.96330	5.52820	30.0	30.0
FRAM 3	CP	109	1	27	APR	81	849	5	117.3674	4.0	936.7	81.95300	5.61280	30.0	30.0
FRAM 3	CP	110	1	27	APR	81	1127	5	117.4771	4.0	494.1	81.95150	5.61320	30.0	30.0
FRAM 3	HE	111	1	27	APR	81	1129	5	117.4785	4.0	496.0	81.95150	5.61320	30.0	30.0
FRAM 3	HE	112	1	27	APR	81	1409	5	117.5896	4.0	500.0	82.30830	3.50830	300.0	300.0
FRAM 3	CP	113	1	27	APR	81	1447	5	117.6160	4.0	901.3	81.94600	5.55770	30.0	30.0
FRAM 3	HE	114	1	27	APR	81	1512	5	117.6333	4.0	498.0	82.34000	1.73000	300.0	300.0
FRAM 3	CP	115	1	27	APR	81	1518	5	117.6375	4.0	895.4	81.94550	5.55650	30.0	30.0
FRAM 3	HE	116	1	27	APR	81	1631	5	117.6862	4.0	497.0	81.66170	1.81000	300.0	300.0
FRAM 3	CP	117	1	27	APR	81	1646	5	117.6986	4.0	882.6	81.94000	5.54770	30.0	30.0
FRAM 3	CP	118	1	27	APR	81	1735	5	117.7326	4.0	877.6	81.93680	5.54280	30.0	30.0
FRAM 3	HE	119	1	27	APR	81	1736	5	117.7333	4.0	498.0	81.67170	3.57000	300.0	300.0
FRAM 3	CP	120	1	27	APR	81	2013	5	117.8424	4.0	869.8	81.93270	5.53180	30.0	30.0
FRAM 3	CP	121	1	28	APR	81	922	5	118.3903	9.9	490.1	81.93050	5.51870	30.0	30.0
FRAM 3	HE	122	1	28	APR	81	927	5	118.3937	4.0	491.1	81.93050	5.51870	30.0	30.0
FRAM 3	CP	123	1	28	APR	81	1005	5	118.4201	4.0	866.8	81.93000	5.52220	30.0	30.0
FRAM 3	CP	124	1	28	APR	81	1454	5	118.6208	4.0	860.9	81.92220	5.52250	30.0	30.0
FRAM 3	CP	125	1	28	APR	81	2132	5	118.8972	4.0	844.1	81.90650	5.48220	30.0	30.0
FRAM 3	CP	126	1	29	APR	81	913	5	119.3840	4.0	492.1	81.90330	5.46480	30.0	30.0
FRAM 3	HE	127	1	29	APR	81	917	5	119.3868	4.0	493.1	81.90330	5.46480	30.0	30.0
FRAM 3	CP	128	1	29	APR	81	1050	5	119.4514	4.0	838.2	81.90270	5.46620	30.0	30.0
FRAM 3	HE	129	1	29	APR	81	1116	5	119.4694	4.0	499.0	81.99500	9.85330	300.0	300.0
FRAM 3	HE	130	1	29	APR	81	1427	5	119.6021	4.0	500.0	82.31830	8.93330	300.0	300.0
FRAM 3	CP	131	1	29	APR	81	1452	5	119.6194	4.0	831.3	81.89670	5.45650	30.0	30.0
FRAM 3	HE	132	1	29	APR	81	1524	5	119.6417	4.0	499.0	81.96170	8.88330	300.0	300.0
FRAM 3	CP	133	1	29	APR	81	1527	5	119.6438	4.0	830.4	81.89530	5.45330	30.0	30.0
FRAM 3	CP	134	1	29	APR	81	1611	5	119.6743	5.9	829.4	81.89420	5.45050	30.0	30.0
FRAM 3	HE	135	1	29	APR	81	1623	5	119.6826	4.0	499.0	[illegible].64170	8.79000	300.0	300.0
FRAM 3	HE	136	1	29	APR	81	1723	5	119.7243	4.0	500.0	81.52000	5.07830	300.0	300.0
FRAM 3	CP	137	1	29	APR	81	1800	5	119.7500	12.9	827.4	81.88780	5.43330	30.0	30.0
FRAM 3	CP	138	1	29	APR	81	1955	5	119.8299	4.0	816.6	81.88180	5.40730	30.0	30.0
FRAM 3	CP	139	1	29	APR	81	2050	5	119.8681	4.0	122.6	81.88020	5.39680	30.0	30.0
FRAM 3	CP	140	1	30	APR	81	927	5	120.3937	4.0	492.1	81.87270	5.35680	30.0	30.0

CAMP	SH	STAT	MODE	DY	MON	YR	TIME	CODE	JULDAY	D.MIN	D.MAX	LATITUDE	LONGITUDE	LAT.ERR	LNG.ERR
FRAM 3	HE	141	1	30	APR	81	930	5	120.3958	4.0	491.1	81.87270	5.35680	30.0	30.0
FRAM 3	CP	142	1	30	APR	81	958	5	120.4153	10.9	800.8	81.87230	5.35750	30.0	30.0
FRAM 3	CP	143	2	30	APR	81	1117	5	120.4701	4.0	804.7	81.87130	5.35850	30.0	30.0
FRAM 3	HE	144	1	30	APR	81	1118	5	120.4708	4.0	499.0	82.43330	6.53330	300.0	300.0
FRAM 3	CP	145	1	30	APR	81	1413	5	120.5924	7.9	794.9	81.86500	5.35150	30.0	30.0
FRAM 3	HE	146	1	30	APR	81	1442	5	120.6125	4.0	499.0	82.01500	0.18670	300.0	300.0
FRAM 3	CP	147	1	30	APR	81	1448	5	120.6167	4.0	805.7	81.86220	5.34970	30.0	30.0
FRAM 3	CP	148	1	30	APR	81	1532	5	120.6472	4.9	801.8	81.85870	5.34430	30.0	30.0
FRAM 3	HE	149	1	30	APR	81	1548	5	120.6583	4.0	487.2	82.32500	-0.08500	300.0	300.0
FRAM 3	CP	150	1	30	APR	81	1636	5	120.6917	4.0	797.8	81.85770	5.34280	30.0	30.0
FRAM 3	HE	151	1	30	APR	81	1652	5	120.7028	4.0	499.0	82.66000	0.11170	300.0	300.0
FRAM 3	CP	152	1	30	APR	81	1948	5	120.8250	10.9	785.0	81.84030	5.28470	30.0	30.0
FRAM 3	CP	153	1	1	MAY	81	1025	5	121.4340	4.0	500.0	81.82050	5.18820	30.0	30.0
FRAM 3	HE	154	1	1	MAY	81	1028	5	121.4361	4.0	500.0	81.82050	5.18820	30.0	30.0
FRAM 3	CP	155	1	1	MAY	81	1111	5	121.4660	4.0	777.1	81.82020	5.18980	30.0	30.0
FRAM 3	CP	156	1	1	MAY	81	1502	5	121.6264	4.0	794.9	81.81550	5.17450	30.0	30.0
FRAM 3	CP	157	1	1	MAY	81	2008	5	121.8389	4.0	784.0	81.80050	5.12050	30.0	30.0
FRAM 3	CP	158	1	2	MAY	81	942	5	122.4042	4.0	768.3	81.79350	5.02780	30.0	30.0
FRAM 3	CP	159	1	2	MAY	81	1511	5	122.6326	4.0	500.0	81.79580	5.02230	30.0	30.0
FRAM 3	HE	160	1	2	MAY	81	1512	5	122.6333	4.0	499.0	81.79580	5.02230	30.0	30.0
FRAM 3	CP	161	1	2	MAY	81	1538	5	122.6514	4.0	773.2	81.79550	5.01920	30.0	30.0
FRAM 3	HE	162	1	3	MAY	81	1206	5	123.5042	4.0	496.0	81.80520	4.75470	30.0	30.0
FRAM 3	CP	163	1	3	MAY	81	1204	5	123.5028	4.0	495.1	81.80520	4.75580	30.0	30.0
FRAM 3	CP	164	1	3	MAY	81	1503	5	123.6271	4.0	776.2	81.80720	4.71420	30.0	30.0
FRAM 3	CP	165	1	3	MAY	81	1531	5	123.6465	4.0	778.1	81.80720	4.70500	30.0	30.0
FRAM 3	CP	166	1	3	MAY	81	1602	5	123.6681	4.0	778.1	81.80700	4.69800	30.0	30.0
FRAM 3	CP	167	1	3	MAY	81	1631	5	123.6882	4.0	779.1	81.80630	4.68320	30.0	30.0
FRAM 3	CP	168	1	3	MAY	81	1700	5	123.7083	4.0	784.0	81.80600	4.67780	30.0	30.0
FRAM 3	CP	169	1	3	MAY	81	1730	5	123.7292	4.0	787.0	81.80550	4.66980	30.0	30.0
FRAM 3	CP	170	1	3	MAY	81	1802	5	123.7514	4.0	502.0	81.80450	4.65530	30.0	30.0
FRAM 3	CP	171	1	3	MAY	81	2119	5	123.8882	4.0	529.6	81.79870	4.58420	30.0	30.0
FRAM 3	CP	172	1	3	MAY	81	2151	5	123.9104	4.0	780.1	81.79750	4.56380	30.0	30.0
FRAM 3	CP	173	1	3	MAY	81	2222	5	123.9319	4.0	776.2	81.79700	4.55270	30.0	30.0
FRAM 3	CP	174	1	4	MAY	81	932	5	124.3972	4.0	779.1	81.78530	4.39730	30.0	30.0
FRAM 3	CP	175	1	4	MAY	81	1007	5	124.4215	4.0	779.1	81.78420	4.38370	30.0	30.0
FRAM 3	CP	176	1	4	MAY	81	1037	5	124.4424	4.0	784.0	81.78350	4.37050	30.0	30.0
FRAM 3	CP	177	1	4	MAY	81	1115	5	124.4688	4.0	243.2	81.78320	4.36130	30.0	30.0
FRAM 3	HE	178	1	4	MAY	81	1351	5	124.5771	4.0	500.0	81.67830	1.41170	300.0	300.0
FRAM 3	HE	179	1	4	MAY	81	1457	5	124.6229	4.0	499.0	81.40000	3.49500	300.0	300.0
FRAM 3	CP	180	1	4	MAY	81	2013	5	124.8424	4.0	786.0	81.77530	4.17320	30.0	30.0
FRAM 3	CP	181	1	4	MAY	81	2110	5	124.8819	4.0	547.4	81.77500	4.16900	30.0	30.0
FRAM 3	CP	182	1	4	MAY	81	2148	5	124.9083	4.0	502.0	81.77370	4.15520	30.0	30.0
FRAM 3	HE	183	1	4	MAY	81	2149	5	124.9090	4.0	501.6	81.77370	4.15520	30.0	30.0
FRAM 3	CP	184	1	5	MAY	81	1629	5	125.6868	4.0	495.1	81.75780	3.94920	30.0	30.0
FRAM 3	HE	185	1	5	MAY	81	1632	5	125.6889	4.0	497.0	81.75780	3.94920	30.0	30.0
FRAM 3	CP	186	1	6	MAY	81	910	5	126.3819	4.0	492.1	81.74300	3.77430	30.0	30.0
FRAM 3	HE	187	1	6	MAY	81	912	5	126.3833	4.0	492.1	81.74300	3.77430	30.0	30.0
FRAM 3	HE	188	1	6	MAY	81	1417	5	126.5951	4.0	499.0	80.73830	6.18170	300.0	300.0
FRAM 3	HE	189	1	6	MAY	81	1534	5	126.6486	4.0	499.0	80.77500	8.78670	300.0	300.0
FRAM 3	HE	190	1	6	MAY	81	1715	5	126.7188	4.0	496.1	81.35170	5.22670	300.0	300.0
FRAM 3	HE	191	1	7	MAY	81	1042	5	127.4458	4.0	500.0	81.71400	3.50200	30.0	30.0
FRAM 3	HE	192	1	7	MAY	81	1350	5	127.5764	4.0	500.0	82.01670	0.07170	300.0	300.0
FRAM 3	HE	193	1	7	MAY	81	1446	5	127.6153	4.0	500.0	82.00330	-2.39500	300.0	300.0
FRAM 3	HE	194	1	7	MAY	81	1555	5	127.6632	4.0	503.0	81.97170	-5.96170	300.0	300.0

FRAM 3 STATION 1(1) CTD 30/MAR/1981 2000 GMT CODE = 5
LAT = 83.4667N LNG = 12.6833E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	32.51	26.16	184.5	0.000	1437.3
4.0	-1.83	-1.83	32.51	26.16	184.4	0.007	1437.3
5.0	-1.83	-1.83	32.54	26.18	182.2	0.009	1437.4
10.0	-1.83	-1.83	32.64	26.26	175.0	0.018	1437.6
15.0	-1.83	-1.83	32.68	26.30	171.4	0.027	1437.8
20.0	-1.85	-1.85	32.83	26.42	159.7	0.036	1438.0
25.0	-1.85	-1.85	32.92	26.49	152.8	0.043	1438.2
30.0	-1.85	-1.85	32.96	26.53	149.5	0.051	1438.3
35.0	-1.85	-1.85	32.99	26.54	147.7	0.059	1438.4
40.0	-1.85	-1.85	33.00	26.55	146.9	0.066	1438.5
45.0	-1.85	-1.85	33.02	26.57	144.9	0.073	1438.7
50.0	-1.85	-1.85	33.08	26.62	140.0	0.081	1438.8
55.0	-1.84	-1.84	33.24	26.75	128.2	0.087	1439.2
60.0	-1.84	-1.84	33.35	26.84	119.1	0.094	1439.4
65.0	-1.83	-1.83	33.47	26.94	109.9	0.099	1439.7
70.0	-1.82	-1.82	33.60	27.05	99.8	0.105	1440.0
75.0	-1.79	-1.80	33.70	27.12	92.8	0.110	1440.4
80.0	-1.77	-1.77	33.76	27.18	87.6	0.114	1440.6
85.0	-1.75	-1.75	33.84	27.24	81.6	0.118	1440.9
90.0	-1.74	-1.74	33.88	27.27	78.9	0.122	1441.1
95.0	-1.70	-1.71	33.93	27.31	75.2	0.126	1441.4
100.0	-1.65	-1.65	33.97	27.34	72.1	0.130	1441.8
110.0	-1.58	-1.58	34.05	27.40	65.9	0.137	1442.4
120.0	-1.65	-1.65	34.11	27.45	61.1	0.143	1442.4
130.0	-1.61	-1.62	34.15	27.48	58.4	0.149	1442.8
140.0	-1.48	-1.48	34.17	27.50	57.0	0.155	1443.6
150.0	-1.26	-1.27	34.21	27.52	54.8	0.161	1444.8
160.0	-0.97	-0.97	34.26	27.55	52.2	0.166	1446.4
170.0	-0.66	-0.67	34.31	27.58	49.6	0.171	1448.1
180.0	-0.41	-0.42	34.34	27.60	47.8	0.176	1449.5
190.0	0.04	0.03	34.42	27.64	44.2	0.181	1451.8
200.0	0.43	0.43	34.50	27.68	40.7	0.185	1453.9
210.0	0.66	0.65	34.54	27.70	39.1	0.189	1455.1
220.0	0.90	0.89	34.58	27.71	37.6	0.193	1456.5
230.0	1.12	1.11	34.63	27.74	34.9	0.197	1457.7
233.3	1.08	1.06	34.65	27.76	33.0	0.198	1457.5

FRAM 3 STATION 2(2) CTD 30/MAR/1981 2108 GMT CODE = 5
LAT = 83.6833N LNG = 12.6333E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	32.53	26.17	183.2	0.000	1437.4
4.0	-1.80	-1.80	32.53	26.17	183.2	0.007	1437.5
5.0	-1.80	-1.80	32.53	26.18	183.0	0.009	1437.5
10.0	-1.80	-1.80	32.58	26.21	179.5	0.018	1437.7
15.0	-1.81	-1.81	32.69	26.30	170.7	0.027	1437.9
20.0	-1.82	-1.82	32.78	26.38	163.9	0.036	1438.1
25.0	-1.82	-1.82	32.84	26.43	159.0	0.044	1438.2
30.0	-1.82	-1.82	32.88	26.45	156.2	0.052	1438.3
35.0	-1.82	-1.82	32.90	26.48	154.1	0.060	1438.5
40.0	-1.81	-1.81	32.93	26.49	152.4	0.067	1438.6
45.0	-1.83	-1.83	32.97	26.53	148.9	0.075	1438.7
50.0	-1.82	-1.82	33.00	26.56	146.4	0.083	1438.8
55.0	-1.81	-1.81	33.09	26.63	139.8	0.090	1439.1
60.0	-1.80	-1.80	33.26	26.77	126.2	0.096	1439.5
65.0	-1.79	-1.79	33.52	26.97	106.7	0.102	1440.0
70.0	-1.79	-1.79	33.67	27.10	95.1	0.107	1440.3
75.0	-1.79	-1.79	33.79	27.19	85.9	0.112	1440.5
80.0	-1.78	-1.79	33.88	27.27	78.6	0.116	1440.7
85.0	-1.77	-1.78	33.94	27.32	73.8	0.120	1441.0
90.0	-1.77	-1.77	34.01	27.38	68.3	0.124	1441.2
95.0	-1.76	-1.76	34.08	27.43	63.4	0.127	1441.4
100.0	-1.74	-1.75	34.12	27.47	60.0	0.130	1441.6
110.0	-1.71	-1.71	34.17	27.50	56.5	0.136	1442.0
120.0	-1.67	-1.68	34.24	27.56	51.4	0.141	1442.4
130.0	-1.62	-1.62	34.25	27.57	50.3	0.147	1442.9
140.0	-1.49	-1.50	34.28	27.59	48.1	0.152	1443.7
150.0	-1.26	-1.27	34.29	27.59	48.1	0.156	1444.9
160.0	-0.99	-1.00	34.34	27.62	45.7	0.161	1446.4
170.0	-0.71	-0.71	34.41	27.66	41.3	0.166	1448.0
180.0	-0.43	-0.44	34.46	27.69	39.1	0.170	1449.6
190.0	-0.24	-0.25	34.50	27.72	36.7	0.173	1450.6
200.0	0.04	0.04	34.55	27.74	34.5	0.177	1452.2
210.0	0.31	0.30	34.58	27.75	33.9	0.181	1453.6
220.0	0.53	0.52	34.65	27.79	30.0	0.184	1454.9
230.0	0.63	0.62	34.69	27.82	27.6	0.187	1455.5
240.0	0.80	0.79	34.72	27.84	25.9	0.189	1456.5
250.0	1.01	1.00	34.77	27.86	24.3	0.192	1457.7
260.0	1.14	1.13	34.83	27.90	20.5	0.194	1458.5
270.0	1.08	1.07	34.83	27.91	19.7	0.196	1458.4
270.9	1.08	1.06	34.83	27.91	19.6	0.196	1458.4

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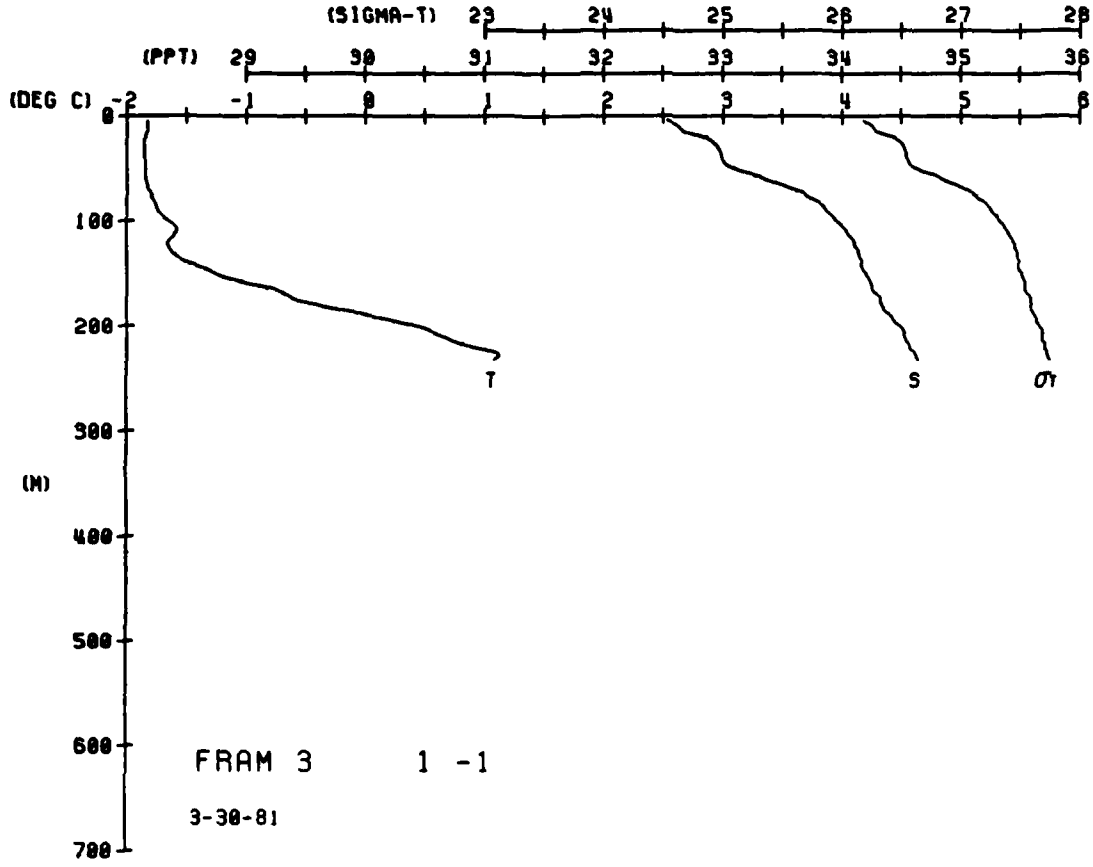
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FRAM 3 STATION 3(2) CTD 30/MAR/1981 2208 GMT CODE = 5
LAT = 83.9667N LNG = 12.1833E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.79	-1.79	32.34	26.02	197.8	0.000	1437.2
4.0	-1.79	-1.79	32.34	26.02	197.8	0.008	1437.3
5.0	-1.79	-1.79	32.34	26.02	197.8	0.010	1437.3
10.0	-1.79	-1.79	32.34	26.02	198.1	0.020	1437.4
15.0	-1.79	-1.80	32.34	26.02	197.6	0.030	1437.5
20.0	-1.79	-1.80	32.41	26.08	192.2	0.040	1437.6
25.0	-1.80	-1.81	32.55	26.19	181.5	0.049	1437.9
30.0	-1.80	-1.80	32.60	26.23	177.5	0.058	1438.0
35.0	-1.80	-1.81	32.64	26.26	174.3	0.067	1438.2
40.0	-1.81	-1.81	32.68	26.29	171.4	0.076	1438.3
45.0	-1.82	-1.82	32.72	26.32	168.5	0.085	1438.4
50.0	-1.81	-1.81	32.73	26.34	167.3	0.093	1438.5
55.0	-1.79	-1.79	32.85	26.44	157.9	0.101	1438.8
60.0	-1.77	-1.77	33.21	26.72	130.7	0.109	1439.5
65.0	-1.77	-1.78	33.49	26.95	109.1	0.115	1440.0
70.0	-1.78	-1.79	33.68	27.10	94.4	0.120	1440.3
75.0	-1.78	-1.79	33.80	27.20	85.0	0.124	1440.5
80.0	-1.78	-1.78	33.89	27.28	77.9	0.128	1440.8
85.0	-1.78	-1.78	33.95	27.33	73.3	0.132	1440.9
90.0	-1.78	-1.78	34.02	27.38	67.9	0.136	1441.1
95.0	-1.77	-1.78	34.08	27.43	63.2	0.139	1441.3
100.0	-1.77	-1.77	34.13	27.47	59.6	0.142	1441.5
110.0	-1.75	-1.75	34.20	27.53	54.1	0.148	1441.9
120.0	-1.72	-1.73	34.25	27.57	50.4	0.153	1442.2
130.0	-1.68	-1.69	34.26	27.58	49.3	0.158	1442.6
140.0	-1.57	-1.57	34.30	27.60	46.8	0.163	1443.3
150.0	-1.36	-1.37	34.31	27.61	46.3	0.168	1444.5
160.0	-1.05	-1.06	34.36	27.64	43.9	0.172	1446.2
170.0	-0.70	-0.70	34.43	27.68	40.3	0.177	1448.1
180.0	-0.43	-0.44	34.47	27.70	37.9	0.181	1449.6
190.0	-0.15	-0.16	34.50	27.71	37.4	0.184	1451.1
200.0	0.13	0.12	34.60	27.77	31.4	0.188	1452.6
210.0	0.36	0.36	34.64	27.79	29.6	0.191	1453.9
220.0	0.58	0.57	34.68	27.82	27.7	0.194	1455.1
230.0	0.70	0.69	34.71	27.83	26.5	0.197	1455.9
240.0	0.85	0.84	34.76	27.86	23.8	0.199	1456.8
250.0	1.04	1.03	34.81	27.89	21.4	0.202	1457.9
260.0	1.09	1.07	34.84	27.92	18.8	0.204	1458.3
270.0	1.02	1.01	34.84	27.91	19.0	0.205	1458.2
270.9	1.01	1.00	34.83	27.91	19.2	0.206	1458.1

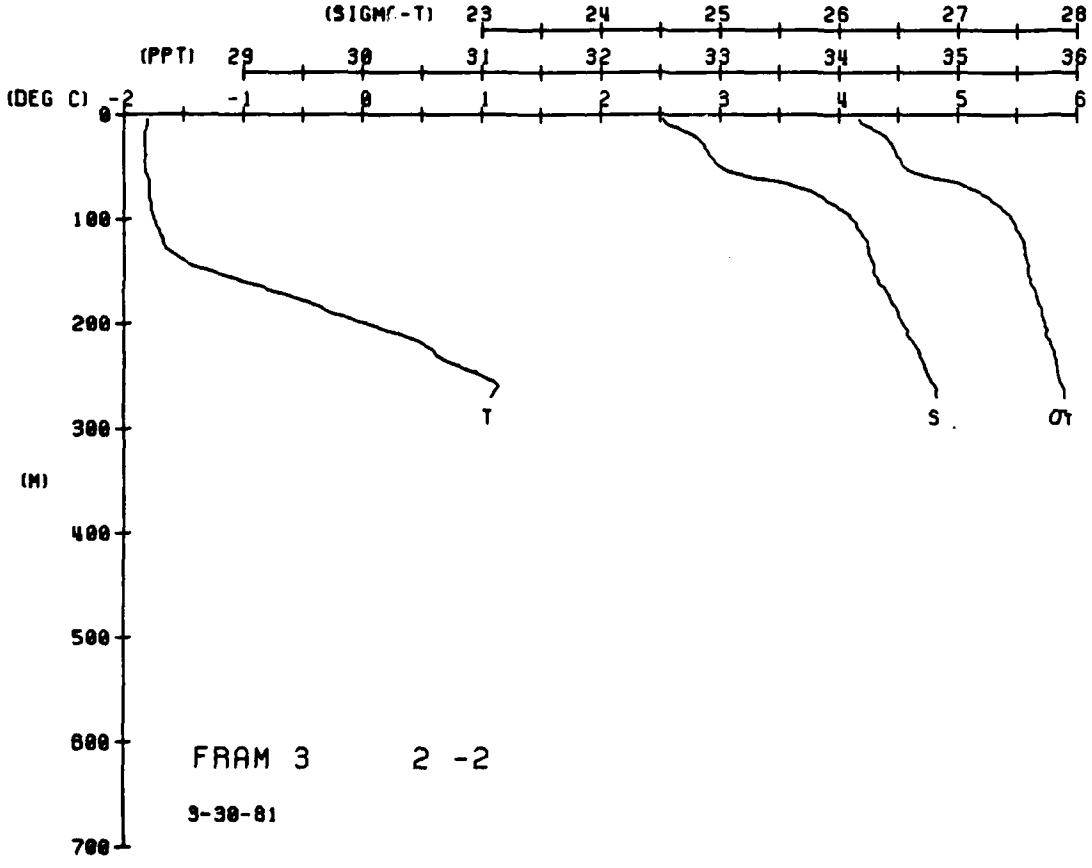
FRAM 3 STATION 4(1) CTD 4/APR/1981 1433 GMT CODE = 5
LAT = 84.1633N LNG = 12.6600E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.74	-1.74	31.58	25.40	256.9	0.000	1436.4
4.0	-1.74	-1.74	31.58	25.40	256.9	0.010	1436.5
5.0	-1.74	-1.74	31.58	25.40	256.7	0.013	1436.5
10.0	-1.74	-1.74	31.60	25.42	255.1	0.026	1436.6
15.0	-1.75	-1.75	31.67	25.47	250.0	0.039	1436.7
20.0	-1.75	-1.76	31.77	25.56	241.6	0.051	1436.9
25.0	-1.77	-1.77	31.95	25.70	227.7	0.063	1437.2
30.0	-1.77	-1.78	32.11	25.83	215.8	0.074	1437.5
35.0	-1.78	-1.79	32.25	25.94	204.7	0.085	1437.7
40.0	-1.79	-1.79	32.32	26.01	198.8	0.095	1437.9
45.0	-1.79	-1.79	32.39	26.06	193.9	0.105	1438.0
50.0	-1.79	-1.79	32.49	26.14	185.9	0.115	1438.3
55.0	-1.77	-1.78	32.83	26.42	159.6	0.123	1438.9
60.0	-1.78	-1.78	33.29	26.79	124.3	0.130	1439.6
65.0	-1.78	-1.79	33.61	27.05	99.5	0.136	1440.1
70.0	-1.79	-1.79	33.81	27.21	84.0	0.141	1440.5
75.0	-1.79	-1.79	33.92	27.30	75.5	0.145	1440.7
80.0	-1.78	-1.78	34.00	27.37	69.2	0.148	1440.9
85.0	-1.77	-1.77	34.08	27.43	63.6	0.152	1441.2
90.0	-1.74	-1.74	34.13	27.47	59.3	0.155	1441.5
95.0	-1.72	-1.73	34.17	27.50	56.3	0.158	1441.7
100.0	-1.71	-1.71	34.19	27.52	54.8	0.161	1441.9
110.0	-1.63	-1.63	34.25	27.57	50.3	0.166	1442.5
120.0	-1.68	-1.68	34.30	27.61	46.6	0.171	1442.5
130.0	-1.53	-1.53	34.33	27.63	44.8	0.175	1443.4
140.0	-1.25	-1.25	34.36	27.65	42.8	0.180	1445.0
150.0	-0.79	-0.79	34.42	27.67	40.4	0.184	1447.3
160.0	-0.58	-0.59	34.47	27.71	37.5	0.188	1448.5
170.0	-0.22	-0.23	34.53	27.74	34.7	0.192	1450.4
180.0	0.09	0.08	34.60	27.78	31.1	0.195	1452.1
190.0	0.30	0.30	34.65	27.81	28.3	0.198	1453.3
200.0	0.56	0.55	34.69	27.83	26.7	0.201	1454.7
210.0	0.86	0.85	34.74	27.84	25.1	0.203	1456.3
220.0	1.16	1.15	34.80	27.87	22.9	0.206	1457.9
230.0	1.31	1.30	34.84	27.89	20.7	0.208	1458.8
240.0	1.40	1.39	34.87	27.91	19.2	0.210	1459.4
250.0	1.38	1.37	34.88	27.93	17.9	0.212	1459.5
260.0	1.29	1.28	34.88	27.93	17.8	0.214	1459.3
270.0	1.30	1.28	34.89	27.94	17.0	0.216	1459.5
280.0	1.42	1.41	34.91	27.94	16.5	0.217	1460.2
290.0	1.40	1.39	34.93	27.96	14.9	0.219	1460.3
300.0	1.40	1.38	34.93	27.96	14.8	0.220	1460.5
310.0	1.30	1.29	34.93	27.97	14.1	0.222	1460.2
320.0	1.22	1.21	34.93	27.97	13.8	0.223	1460.0
330.0	1.15	1.13	34.92	27.97	13.5	0.225	1459.9
340.0	1.10	1.08	34.91	27.97	14.1	0.226	1459.8
350.0	1.12	1.10	34.93	27.98	13.1	0.227	1460.1
360.0	1.18	1.16	34.93	27.98	13.2	0.229	1460.5
370.0	1.18	1.17	34.94	27.98	12.8	0.230	1460.7
380.0	1.16	1.14	34.95	27.99	11.9	0.231	1460.8
390.0	1.12	1.10	34.94	27.99	12.0	0.232	1460.8
400.0	1.10	1.08	34.93	27.98	12.7	0.234	1460.8
410.0	1.07	1.04	34.94	27.99	12.1	0.235	1460.8
420.0	1.02	0.99	34.94	28.00	11.4	0.236	1460.8
430.0	0.98	0.96	34.95	28.00	10.9	0.237	1460.8
440.0	0.95	0.93	34.93	27.99	12.1	0.238	1460.8
450.0	0.94	0.91	34.94	28.00	11.2	0.240	1460.9
460.0	0.94	0.91	34.93	28.00	11.4	0.241	1461.1
470.0	0.96	0.94	34.93	27.99	11.7	0.242	1461.4
480.0	0.96	0.94	34.94	28.00	11.2	0.243	1461.6
490.0	0.97	0.94	34.95	28.01	10.6	0.244	1461.7
500.0	0.91	0.89	34.95	28.01	10.1	0.245	1461.7
502.9	0.88	0.86	34.97	28.03	8.5	0.246	1461.6



FRAM 3 1 -1

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FRAM 3 2 -2

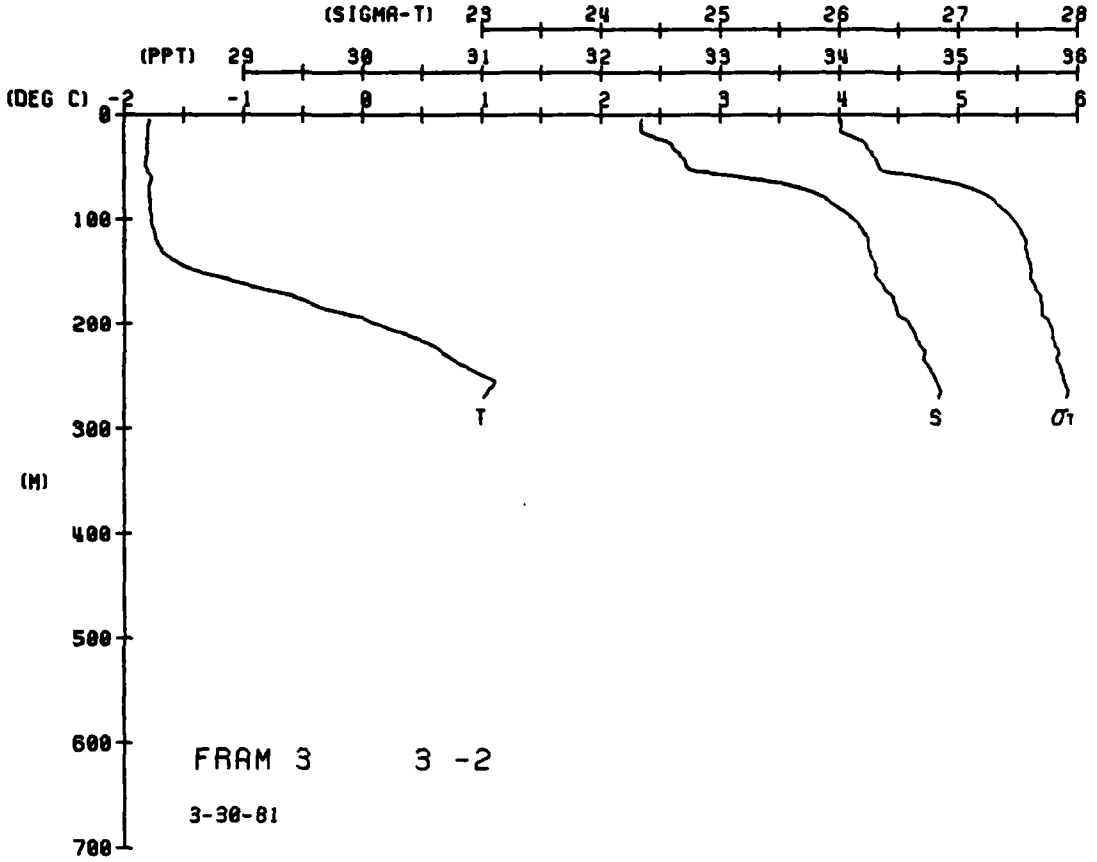
9-30-81

FRAM 3 STATION 5(1) CTD 4/APR/1981 1535 GMT CODE = 5
LAT = 84.3733N LNG = 12.4183E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.75	-1.75	31.52	25.35	261.5	0.000	1436.2
5.0	-1.75	-1.76	31.52	25.35	261.4	0.013	1436.3
10.0	-1.75	-1.76	31.52	25.35	261.4	0.026	1436.4
10.9	-1.75	-1.76	31.52	25.35	261.3	0.029	1436.4
15.0	-1.75	-1.76	31.52	25.35	260.9	0.040	1436.5
20.0	-1.75	-1.76	31.53	25.36	260.4	0.053	1436.6
25.0	-1.76	-1.76	31.53	25.36	260.4	0.066	1436.6
30.0	-1.76	-1.76	31.55	25.37	259.0	0.079	1436.7
35.0	-1.76	-1.77	31.59	25.41	255.5	0.092	1436.9
40.0	-1.77	-1.77	31.70	25.50	246.8	0.105	1437.1
45.0	-1.78	-1.78	32.15	25.87	211.9	0.116	1437.8
50.0	-1.79	-1.79	32.76	26.36	164.8	0.126	1438.6
55.0	-1.80	-1.80	33.33	26.82	121.2	0.133	1439.5
60.0	-1.80	-1.80	33.59	27.04	100.8	0.139	1439.9
65.0	-1.79	-1.79	33.73	27.15	90.6	0.144	1440.3
70.0	-1.78	-1.78	33.84	27.24	82.0	0.148	1440.5
75.0	-1.77	-1.77	33.92	27.30	75.6	0.152	1440.8
80.0	-1.76	-1.76	34.00	27.37	69.3	0.156	1441.1
85.0	-1.74	-1.74	34.07	27.43	63.9	0.159	1441.3
90.0	-1.72	-1.72	34.13	27.47	59.6	0.162	1441.6
95.0	-1.70	-1.70	34.17	27.50	56.4	0.165	1441.8
100.0	-1.68	-1.68	34.21	27.54	53.4	0.168	1442.0
110.0	-1.64	-1.64	34.29	27.60	47.7	0.173	1442.5
120.0	-1.53	-1.54	34.33	27.63	44.6	0.178	1443.2
130.0	-1.49	-1.49	34.36	27.65	42.4	0.182	1443.6
140.0	-1.34	-1.34	34.39	27.67	40.6	0.186	1444.6
150.0	-1.01	-1.02	34.46	27.71	36.6	0.190	1446.3
160.0	-0.71	-0.72	34.50	27.73	34.8	0.194	1448.0
170.0	-0.46	-0.47	34.54	27.76	32.7	0.197	1449.4
180.0	-0.19	-0.20	34.61	27.80	29.0	0.200	1450.9
190.0	0.07	0.07	34.64	27.81	28.1	0.203	1452.3
200.0	0.27	0.26	34.70	27.85	24.2	0.206	1453.4
210.0	0.37	0.37	34.73	27.87	22.5	0.208	1454.1
220.0	0.54	0.53	34.76	27.88	21.4	0.210	1455.1
230.0	0.77	0.76	34.83	27.92	18.0	0.212	1456.4
240.0	1.01	1.00	34.91	27.97	13.6	0.214	1457.7
250.0	0.94	0.93	34.90	27.97	13.6	0.215	1457.6
260.0	0.92	0.90	34.89	27.97	13.9	0.217	1457.6
270.0	1.06	1.05	34.93	27.99	12.0	0.218	1458.5
280.0	1.12	1.11	34.97	28.01	10.0	0.219	1459.0
290.0	1.05	1.04	34.96	28.01	10.3	0.220	1458.8
300.0	0.99	0.97	34.95	28.01	10.1	0.221	1458.7
310.0	0.93	0.91	34.95	28.01	9.8	0.222	1458.6
320.0	0.89	0.87	34.94	28.01	10.0	0.223	1458.5
330.0	0.90	0.88	34.94	28.01	10.2	0.224	1458.8
340.0	1.05	1.03	34.98	28.02	8.7	0.225	1459.7
350.0	1.01	0.99	34.98	28.03	8.4	0.226	1459.6
360.0	0.97	0.95	34.97	28.02	8.9	0.227	1459.6
370.0	0.93	0.91	34.98	28.04	7.6	0.228	1459.6
380.0	0.93	0.91	34.97	28.02	8.8	0.229	1459.8
390.0	0.92	0.90	34.97	28.03	8.4	0.229	1459.9
400.0	0.89	0.87	34.97	28.03	8.1	0.230	1459.9
410.0	0.87	0.85	34.97	28.03	8.2	0.231	1460.0
420.0	0.85	0.83	34.96	28.03	8.6	0.232	1460.1
430.0	0.84	0.82	34.96	28.03	8.4	0.233	1460.2
440.0	0.83	0.81	34.97	28.03	7.9	0.234	1460.3
450.0	0.82	0.80	34.96	28.03	8.5	0.234	1460.4
460.0	0.86	0.83	34.97	28.03	8.3	0.235	1460.8
470.0	0.89	0.87	34.99	28.05	6.9	0.236	1461.1
480.0	0.85	0.83	34.98	28.04	7.4	0.237	1461.1
490.0	0.82	0.79	34.99	28.05	6.6	0.237	1461.1
500.0	0.79	0.77	34.98	28.04	7.3	0.238	1461.1
503.9	0.77	0.75	34.99	28.05	6.1	0.238	1461.2

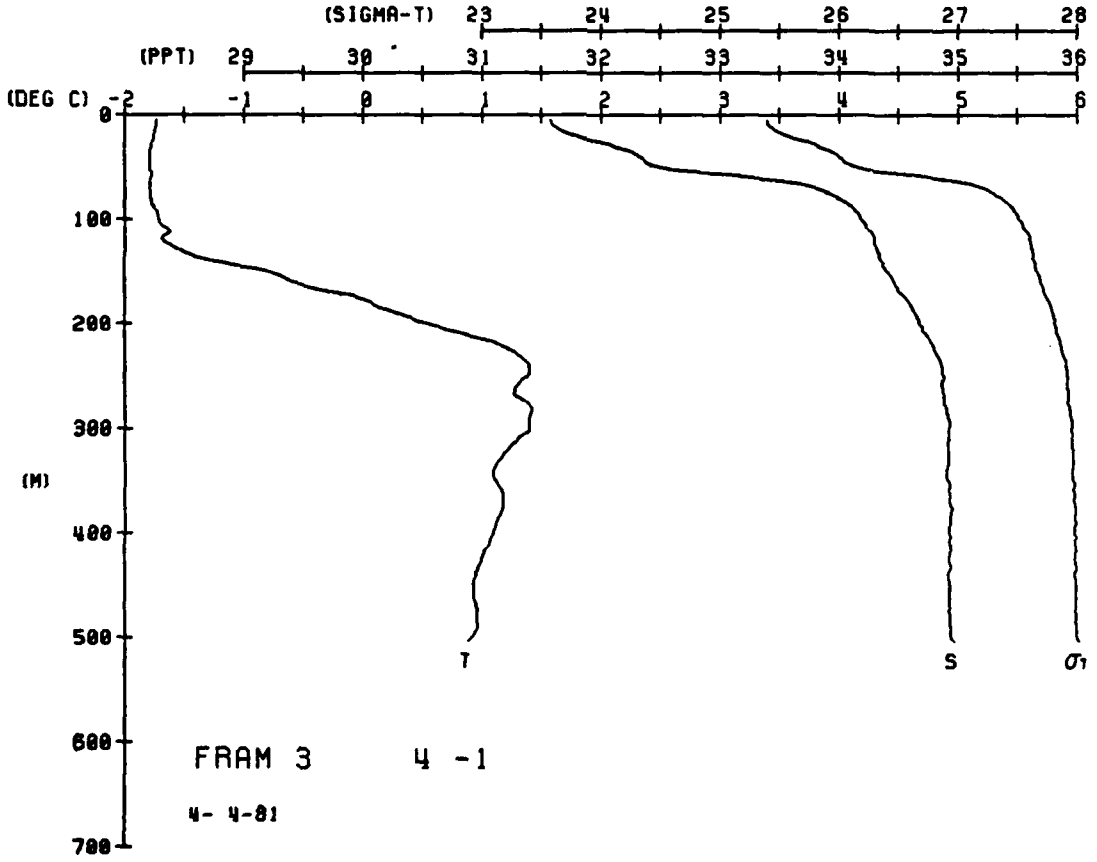
FRAM 3 STATION 6(1) CTD 7/APR/1981 1320 GMT CODE = 5
LAT = 83.0733N LNG = 12.2217E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.52	26.98	106.8	0.000	1438.7
4.0	-1.83	-1.83	33.52	26.98	106.7	0.004	1438.8
5.0	-1.83	-1.83	33.52	26.98	106.6	0.005	1438.8
10.0	-1.83	-1.83	33.53	26.98	106.1	0.011	1438.9
15.0	-1.83	-1.83	33.54	26.99	105.2	0.016	1439.0
20.0	-1.83	-1.83	33.54	27.00	104.8	0.021	1439.1
25.0	-1.83	-1.83	33.55	27.00	104.4	0.027	1439.2
30.0	-1.83	-1.83	33.56	27.01	103.9	0.032	1439.2
35.0	-1.83	-1.83	33.56	27.01	103.5	0.037	1439.3
40.0	-1.83	-1.83	33.60	27.04	100.2	0.042	1439.5
45.0	-1.84	-1.84	33.63	27.07	98.1	0.047	1439.6
50.0	-1.84	-1.84	33.66	27.09	95.9	0.052	1439.7
55.0	-1.84	-1.84	33.68	27.11	93.8	0.057	1439.8
60.0	-1.84	-1.84	33.71	27.13	91.6	0.062	1439.9
65.0	-1.84	-1.84	33.75	27.17	88.5	0.066	1440.1
70.0	-1.83	-1.83	33.80	27.21	84.7	0.071	1440.3
75.0	-1.80	-1.80	33.85	27.25	80.7	0.075	1440.5
80.0	-1.79	-1.79	33.90	27.28	77.3	0.079	1440.8
85.0	-1.77	-1.78	33.94	27.31	74.4	0.083	1441.0
90.0	-1.77	-1.77	33.98	27.35	70.9	0.086	1441.1
95.0	-1.76	-1.77	34.02	27.38	68.0	0.090	1441.3
100.0	-1.72	-1.72	34.05	27.40	65.9	0.093	1441.6
110.0	-1.66	-1.66	34.11	27.45	61.2	0.100	1442.2
120.0	-1.57	-1.57	34.17	27.50	56.7	0.106	1442.9
130.0	-1.48	-1.48	34.26	27.57	50.4	0.111	1443.6
140.0	-1.36	-1.37	34.31	27.60	46.8	0.116	1444.3
150.0	-1.19	-1.19	34.35	27.64	43.9	0.121	1445.4
160.0	-0.89	-0.89	34.42	27.68	39.9	0.125	1447.0
170.0	-0.44	-0.44	34.46	27.69	38.9	0.129	1449.4
180.0	-0.18	-0.19	34.55	27.75	33.2	0.132	1450.8
190.0	0.00	-0.01	34.60	27.79	30.3	0.136	1451.9
200.0	0.15	0.14	34.63	27.80	29.2	0.139	1452.8
210.0	0.33	0.33	34.68	27.83	26.6	0.141	1453.8
220.0	0.58	0.57	34.71	27.84	25.6	0.144	1455.2
230.0	0.90	0.89	34.77	27.87	22.9	0.147	1456.9
240.0	0.96	0.95	34.82	27.90	20.0	0.149	1457.4
250.0	1.35	1.34	34.84	27.89	20.9	0.151	1459.3
260.0	1.58	1.57	34.90	27.93	18.1	0.153	1460.6
270.0	1.51	1.50	34.92	27.94	16.4	0.155	1460.5
280.0	1.33	1.32	34.90	27.94	16.2	0.156	1459.8
290.0	1.22	1.20	34.90	27.95	15.7	0.158	1459.5
300.0	1.13	1.12	34.89	27.95	16.0	0.159	1459.2
310.0	1.10	1.08	34.90	27.96	15.1	0.161	1459.2
320.0	1.36	1.34	34.91	27.95	16.0	0.163	1460.6
330.0	1.30	1.29	34.94	27.98	13.2	0.164	1460.6
340.0	1.30	1.28	34.93	27.97	14.2	0.165	1460.7
350.0	1.38	1.37	34.95	27.98	13.1	0.167	1461.3
360.0	1.33	1.31	34.95	27.98	12.9	0.168	1461.2
370.0	1.23	1.21	34.95	27.99	12.5	0.169	1460.9
380.0	1.20	1.18	34.94	27.98	12.8	0.171	1460.9
390.0	1.13	1.12	34.95	27.99	11.8	0.172	1460.8
400.0	1.12	1.10	34.95	28.00	11.6	0.173	1460.9
410.0	1.11	1.09	34.95	27.99	11.7	0.174	1461.0
420.0	1.13	1.11	34.95	28.00	11.3	0.175	1461.3
430.0	1.10	1.07	34.96	28.01	10.6	0.177	1461.3
440.0	1.09	1.07	34.96	28.01	10.3	0.178	1461.5
450.0	1.06	1.04	34.96	28.01	10.1	0.179	1461.5
460.0	1.02	1.00	34.96	28.01	10.0	0.180	1461.5
470.0	1.00	0.97	34.96	28.01	9.9	0.181	1461.6
480.0	0.96	0.93	34.96	28.01	9.9	0.182	1461.5
490.0	0.94	0.91	34.97	28.02	9.2	0.183	1461.6
500.0	0.93	0.91	34.95	28.01	10.0	0.184	1461.7
502.0	0.93	0.91	34.94	28.00	10.9	0.184	1461.8



FRAM 3 3 -2

3-30-81

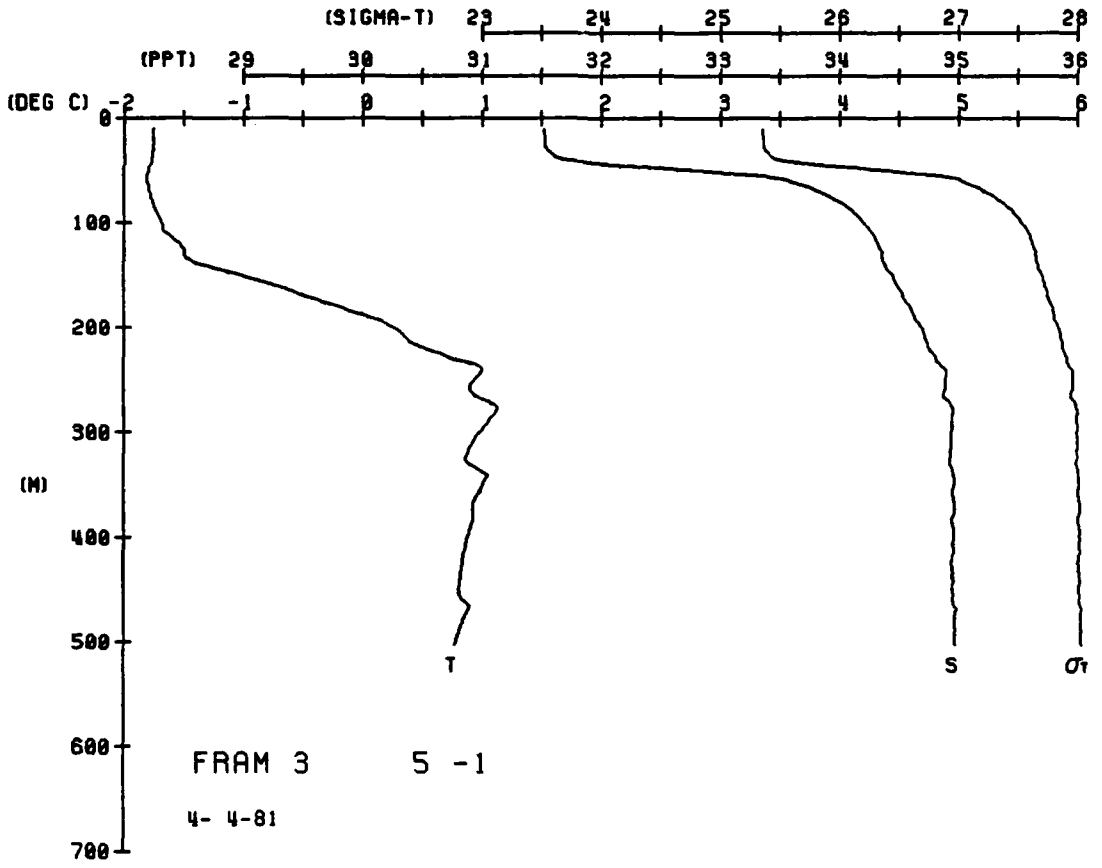


FRAM 3 4 -1

4- 4-81

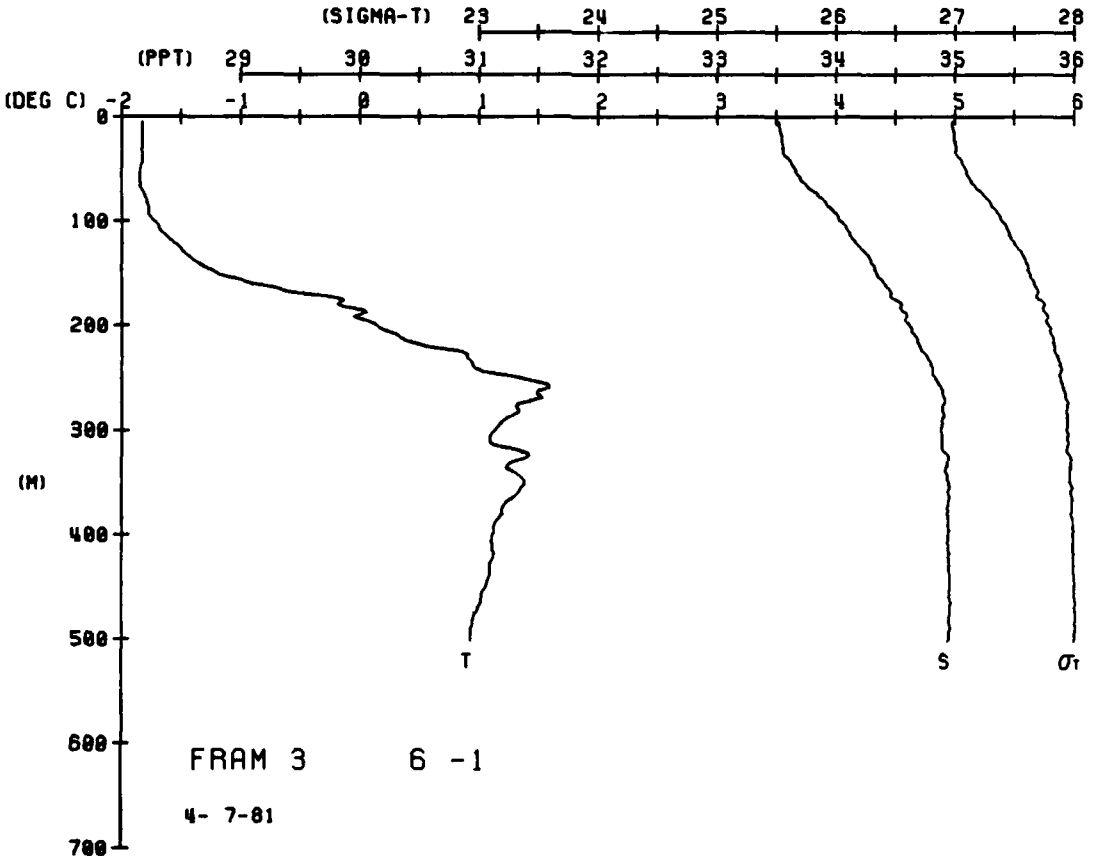
FRAM 3 STATION 7(1) CTD 7/APR/1981 1331 GMT CODE = 5
LAT = 83.0772N LNG = 10.0348E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.13	26.66	136.7	0.000	1438.2
4.0	-1.83	-1.83	33.13	26.66	136.7	0.005	1438.2
5.0	-1.83	-1.83	33.14	26.67	136.5	0.007	1438.3
10.0	-1.83	-1.83	33.16	26.68	134.8	0.014	1438.4
15.0	-1.82	-1.82	33.20	26.71	131.8	0.021	1438.5
20.0	-1.83	-1.83	33.24	26.75	128.2	0.027	1438.6
25.0	-1.83	-1.83	33.28	26.79	124.8	0.034	1438.8
30.0	-1.84	-1.84	33.33	26.82	121.4	0.040	1438.9
35.0	-1.84	-1.84	33.35	26.84	120.0	0.046	1439.0
40.0	-1.84	-1.84	33.35	26.84	119.4	0.052	1439.1
45.0	-1.84	-1.84	33.36	26.85	119.0	0.058	1439.2
50.0	-1.84	-1.84	33.36	26.85	118.7	0.064	1439.3
55.0	-1.84	-1.84	33.36	26.85	118.6	0.070	1439.4
60.0	-1.83	-1.83	33.37	26.86	117.9	0.076	1439.5
65.0	-1.81	-1.81	33.47	26.94	110.4	0.082	1439.8
70.0	-1.78	-1.78	33.63	27.07	97.8	0.087	1440.2
75.0	-1.77	-1.78	33.80	27.21	84.5	0.091	1440.6
80.0	-1.77	-1.78	33.90	27.28	77.5	0.096	1440.8
85.0	-1.77	-1.77	33.99	27.36	69.9	0.099	1441.1
90.0	-1.75	-1.75	34.05	27.41	65.2	0.103	1441.3
95.0	-1.72	-1.72	34.09	27.44	62.5	0.106	1441.6
100.0	-1.70	-1.70	34.13	27.47	59.5	0.109	1441.8
110.0	-1.65	-1.66	34.21	27.54	53.4	0.115	1442.3
120.0	-1.53	-1.53	34.28	27.59	48.4	0.120	1443.2
130.0	-1.53	-1.54	34.32	27.62	45.1	0.125	1443.4
140.0	-1.36	-1.36	34.36	27.65	42.4	0.129	1444.4
150.0	-1.06	-1.06	34.42	27.69	39.1	0.133	1446.1
160.0	-0.84	-0.85	34.46	27.71	36.9	0.137	1447.3
170.0	-0.58	-0.59	34.51	27.74	34.0	0.141	1448.8
180.0	-0.30	-0.31	34.57	27.78	31.0	0.144	1450.3
190.0	-0.05	-0.05	34.62	27.80	28.9	0.147	1451.7
200.0	0.10	0.09	34.65	27.82	27.1	0.150	1452.6
210.0	0.30	0.29	34.69	27.84	25.4	0.152	1453.7
220.0	0.48	0.47	34.73	27.86	23.7	0.155	1454.7
230.0	0.67	0.66	34.76	27.87	22.2	0.157	1455.8
240.0	0.87	0.86	34.80	27.89	21.0	0.159	1456.9
250.0	1.05	1.04	34.83	27.91	19.4	0.161	1458.0
260.0	1.09	1.08	34.85	27.92	18.6	0.163	1458.3
270.0	1.17	1.15	34.88	27.93	17.1	0.165	1458.9
280.0	1.18	1.17	34.88	27.94	16.5	0.167	1459.1
290.0	1.11	1.09	34.88	27.94	16.2	0.169	1459.0
300.0	1.15	1.14	34.90	27.96	15.1	0.170	1459.3
310.0	1.25	1.24	34.91	27.96	15.0	0.172	1460.0
320.0	1.27	1.26	34.93	27.97	14.1	0.173	1460.3
330.0	1.30	1.28	34.94	27.98	13.5	0.175	1460.5
340.0	1.26	1.24	34.93	27.98	13.5	0.176	1460.5
350.0	1.21	1.19	34.93	27.98	13.1	0.177	1460.5
360.0	1.17	1.15	34.93	27.98	13.0	0.179	1460.5
370.0	1.14	1.12	34.93	27.98	12.9	0.180	1460.5
380.0	1.09	1.07	34.93	27.98	12.8	0.181	1460.4
390.0	1.05	1.03	34.93	27.99	12.4	0.182	1460.4
400.0	1.03	1.01	34.93	27.99	12.3	0.184	1460.5
410.0	1.00	0.98	34.94	27.99	11.6	0.185	1460.5
420.0	0.98	0.96	34.94	28.00	11.5	0.186	1460.6
430.0	0.97	0.95	34.93	27.99	11.6	0.187	1460.7
440.0	0.96	0.94	34.94	28.00	11.3	0.188	1460.9
450.0	0.95	0.93	34.94	28.00	11.3	0.190	1461.0
460.0	0.94	0.92	34.94	28.00	11.3	0.191	1461.1
470.0	0.92	0.89	34.94	28.00	11.1	0.192	1461.2
480.0	0.89	0.87	34.94	28.00	11.0	0.193	1461.2
490.0	0.88	0.86	34.94	28.01	10.8	0.194	1461.3
500.0	0.88	0.85	34.94	28.00	10.7	0.195	1461.5
530.0	0.81	0.79	34.94	28.01	10.3	0.198	1461.7
560.0	0.75	0.72	34.94	28.01	9.9	0.201	1461.9
590.0	0.68	0.65	34.94	28.02	9.6	0.204	1462.1
620.0	0.61	0.58	34.94	28.02	9.2	0.207	1462.3
650.0	0.51	0.48	34.93	28.02	8.7	0.210	1462.3
680.0	0.40	0.37	34.93	28.03	8.2	0.212	1462.3
710.0	0.33	0.30	34.93	28.03	7.8	0.215	1462.5
740.0	0.26	0.23	34.93	28.03	7.5	0.217	1462.7
790.0	0.14	0.11	34.92	28.04	6.8	0.221	1463.0
840.0	0.04	0.00	34.92	28.04	6.4	0.224	1463.4
890.0	-0.05	-0.08	34.92	28.04	6.0	0.227	1463.8
940.0	-0.12	-0.16	34.90	28.04	6.3	0.231	1464.3
990.0	-0.19	-0.23	34.91	28.04	5.4	0.233	1464.8
1040.0	-0.25	-0.30	34.91	28.04	5.0	0.236	1465.4
1090.0	-0.31	-0.36	34.91	28.05	4.7	0.239	1465.9
1140.0	-0.36	-0.41	34.90	28.05	4.4	0.241	1466.5
1190.0	-0.41	-0.47	34.90	28.05	4.0	0.243	1467.2
1240.0	-0.46	-0.51	34.90	28.05	4.1	0.245	1467.8
1290.0	-0.50	-0.55	34.89	28.04	4.0	0.247	1468.5
1340.0	-0.52	-0.58	34.89	28.04	3.9	0.249	1469.2
1390.0	-0.56	-0.62	34.89	28.04	3.6	0.251	1469.9
1440.0	-0.60	-0.66	34.89	28.04	3.4	0.253	1470.5
1490.0	-0.62	-0.68	34.88	28.04	3.5	0.255	1471.3
1540.0	-0.64	-0.71	34.88	28.04	3.2	0.256	1472.0
1590.0	-0.66	-0.73	34.88	28.04	3.3	0.258	1472.8
1640.0	-0.68	-0.76	34.87	28.04	3.2	0.260	1473.5
1690.0	-0.70	-0.78	34.87	28.04	3.1	0.261	1474.3
1740.0	-0.73	-0.81	34.87	28.04	2.8	0.263	1475.0
1790.0	-0.74	-0.82	34.87	28.04	2.8	0.264	1475.8
1840.0	-0.76	-0.85	34.86	28.03	3.1	0.266	1476.6
1890.0	-0.77	-0.86	34.86	28.03	2.7	0.267	1477.4
1940.0	-0.79	-0.88	34.86	28.03	2.6	0.268	1478.2
1990.0	-0.80	-0.89	34.86	28.03	2.8	0.270	1479.0
2040.0	-0.81	-0.90	34.86	28.03	2.5	0.271	1479.8
2090.0	-0.81	-0.91	34.86	28.03	2.4	0.272	1480.6
2140.0	-0.82	-0.93	34.86	28.03	2.3	0.274	1481.4
2190.0	-0.83	-0.94	34.85	28.03	2.4	0.275	1482.2
2240.0	-0.82	-0.93	34.85	28.02	2.4	0.276	1483.2
2290.0	-0.82	-0.94	34.85	28.03	2.1	0.277	1484.0
2340.0	-0.83	-0.95	34.85	28.03	1.9	0.278	1484.8
2390.0	-0.82	-0.95	34.85	28.03	2.0	0.279	1485.7
2440.0	-0.82	-0.95	34.85	28.03	1.7	0.280	1486.6
2490.0	-0.82	-0.95	34.85	28.02	1.9	0.281	1487.5
2540.0	-0.82	-0.95	34.85	28.03	1.6	0.282	1488.4
2590.0	-0.81	-0.95	34.85	28.02	1.8	0.283	1489.2
2640.0	-0.81	-0.96	34.85	28.03	1.4	0.284	1490.1
2690.0	-0.81	-0.96	34.85	28.03	1.4	0.284	1491.0
2740.0	-0.81	-0.96	34.85	28.03	1.1	0.285	1491.9
2790.0	-0.81	-0.96	34.85	28.03	1.1	0.286	1492.8
2840.0	-0.80	-0.96	34.85	28.03	1.1	0.286	1493.7
2890.0	-0.80	-0.96	34.85	28.03	1.1	0.287	1494.6
2940.0	-0.79	-0.96	34.85	28.03	1.1	0.287	1495.5
2990.0	-0.79	-0.96	34.86	28.03	0.6	0.288	1496.4
3040.0	-0.79	-0.96	34.86	28.03	0.6	0.288	1497.3
3090.0	-0.78	-0.96	34.86	28.03	0.6	0.288	1498.2
3140.0	-0.77	-0.96	34.86	28.03	0.5	0.289	1499.1
3190.0	-0.77	-0.96	34.86	28.03	0.4	0.289	1500.0
3240.0	-0.76	-0.96	34.87	28.03	-0.1	0.289	1500.9
3290.0	-0.76	-0.96	34.87	28.04	-0.7	0.289	1501.8
3340.0	-0.75	-0.96	34.87	28.04	-0.8	0.288	1502.7
3373.7	-0.75	-0.96	34.88	28.05	-1.2	0.288	1503.3



FRAM 3 5 -1

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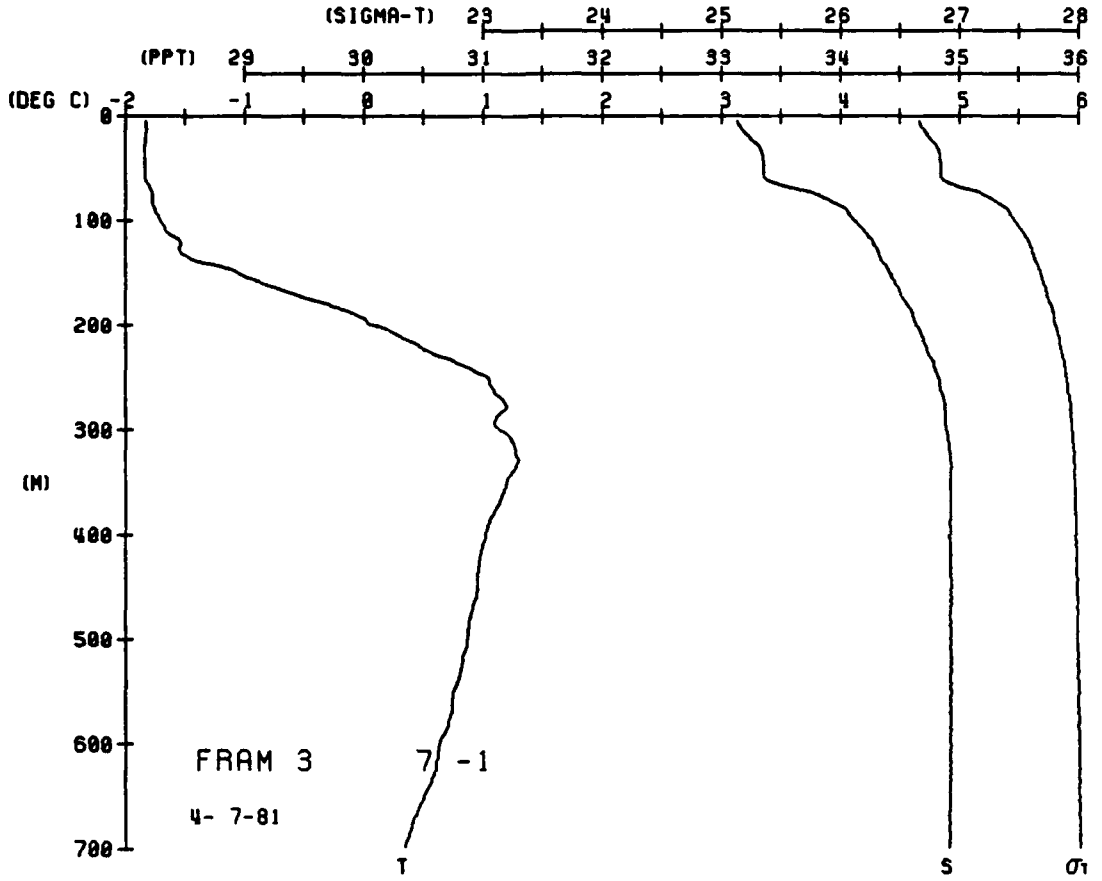


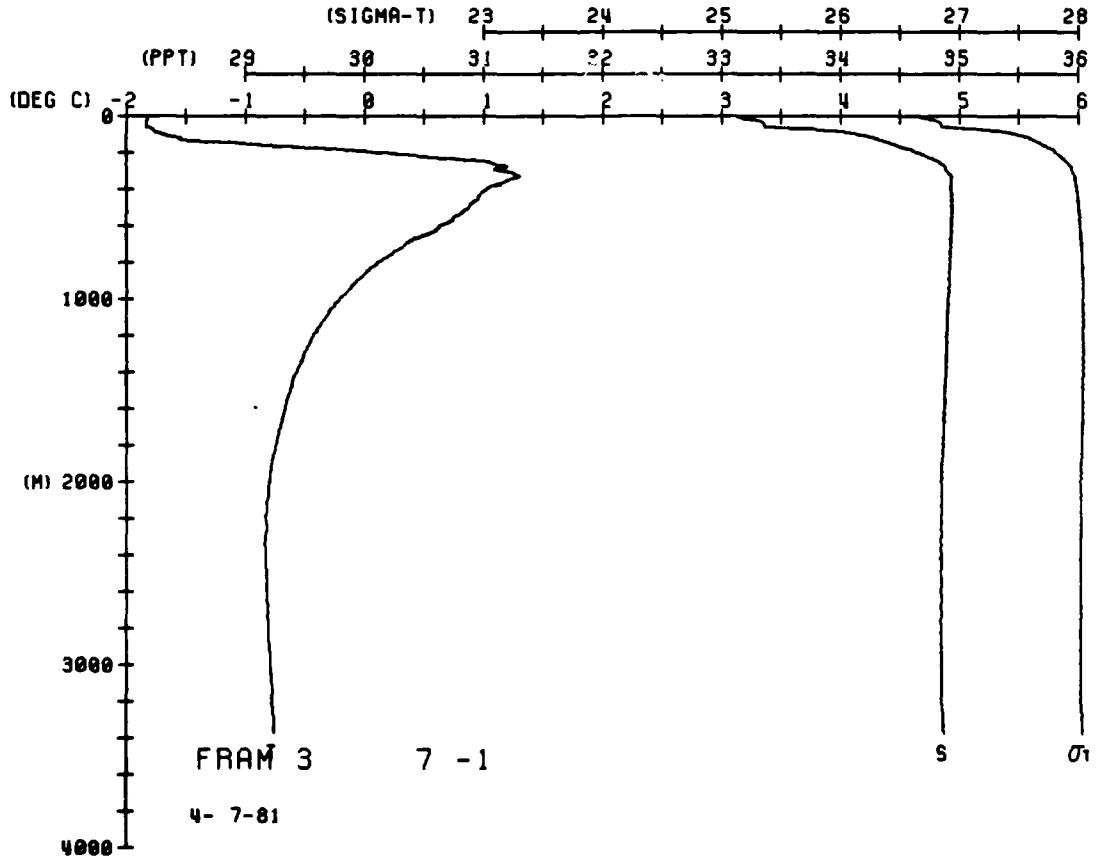
FRAM 3 6 -1

4- 7-81

FRAM 3 STATION 8(1) CTD 7/APR/1981 1508 GMT CODE = 5
LAT = 83.0317N LNG = 13.8817E UTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

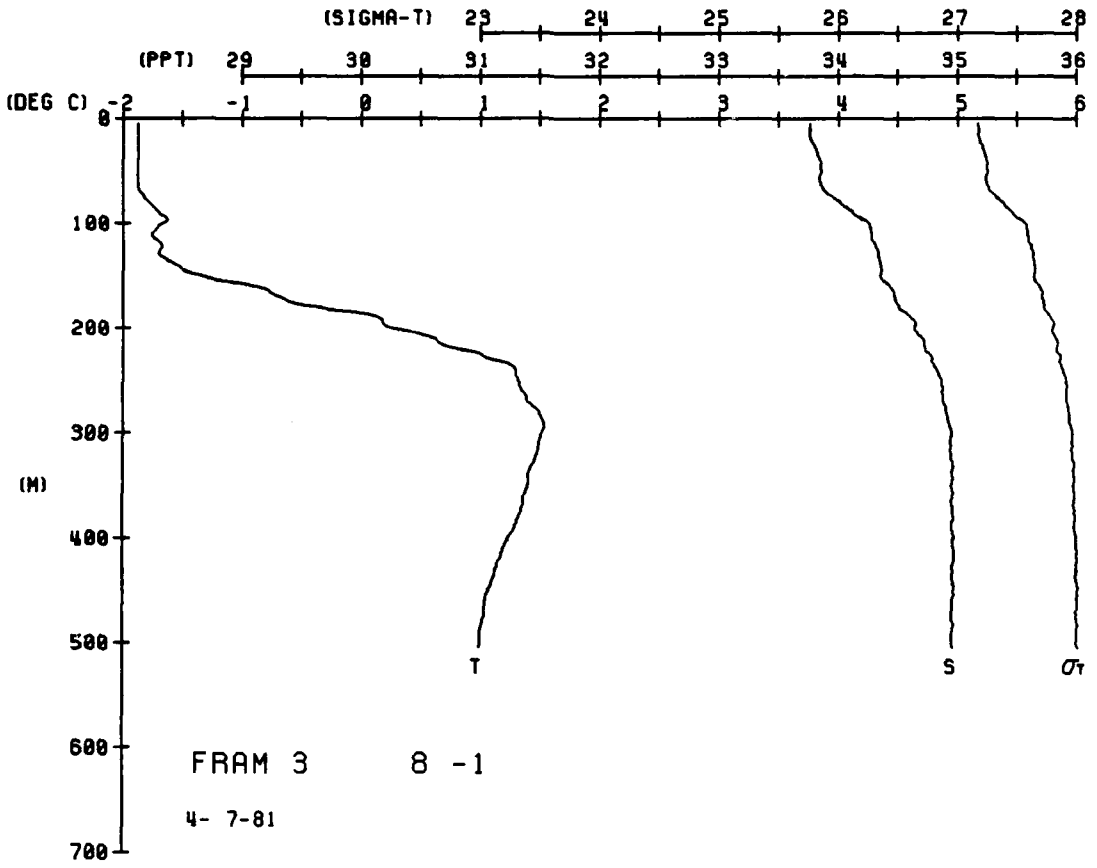
DEPTH	TEMP	PTEMP	SALIN	SIG 1	SPVOL	DYNHT	SOUND
0.0	-1.88	-1.88	33.76	27.18	88.2	0.000	1438.8
4.0	-1.88	-1.88	33.76	27.18	88.1	0.004	1438.9
5.0	-1.87	-1.87	33.76	27.18	88.0	0.004	1438.9
10.0	-1.87	-1.87	33.77	27.18	87.8	0.009	1439.0
15.0	-1.87	-1.87	33.76	27.18	88.0	0.013	1439.1
20.0	-1.87	-1.87	33.77	27.19	87.0	0.018	1439.2
25.0	-1.87	-1.87	33.80	27.21	85.1	0.022	1439.3
30.0	-1.87	-1.87	33.82	27.22	83.6	0.026	1439.4
35.0	-1.87	-1.87	33.83	27.23	82.4	0.031	1439.5
40.0	-1.87	-1.87	33.85	27.25	81.1	0.035	1439.6
45.0	-1.88	-1.88	33.85	27.25	80.7	0.039	1439.7
50.0	-1.88	-1.88	33.86	27.26	80.1	0.043	1439.8
55.0	-1.88	-1.88	33.85	27.25	81.1	0.047	1439.9
60.0	-1.88	-1.88	33.85	27.25	80.8	0.051	1439.9
65.0	-1.87	-1.87	33.87	27.26	79.5	0.055	1440.1
70.0	-1.85	-1.85	33.90	27.28	77.4	0.059	1440.3
75.0	-1.82	-1.82	33.96	27.34	72.3	0.063	1440.6
80.0	-1.78	-1.78	34.02	27.38	68.2	0.066	1441.0
85.0	-1.74	-1.74	34.07	27.43	63.9	0.070	1441.3
90.0	-1.70	-1.70	34.13	27.47	59.7	0.073	1441.7
95.0	-1.63	-1.63	34.18	27.51	55.8	0.076	1442.2
100.0	-1.67	-1.67	34.27	27.58	49.2	0.078	1442.2
110.0	-1.75	-1.75	34.28	27.59	48.0	0.083	1442.0
120.0	-1.67	-1.68	34.31	27.62	45.6	0.088	1442.5
130.0	-1.69	-1.69	34.34	27.64	43.5	0.093	1442.7
140.0	-1.55	-1.55	34.36	27.65	42.4	0.097	1443.5
150.0	-1.35	-1.36	34.36	27.65	42.9	0.101	1444.6
160.0	-0.89	-0.90	34.44	27.70	38.3	0.105	1447.1
170.0	-0.69	-0.70	34.48	27.72	36.1	0.109	1448.2
180.0	-0.39	-0.40	34.52	27.73	34.9	0.113	1449.8
190.0	0.16	0.15	34.62	27.79	29.5	0.116	1452.6
200.0	0.26	0.25	34.65	27.81	28.3	0.119	1453.3
210.0	0.61	0.60	34.72	27.84	25.3	0.122	1455.2
220.0	0.84	0.83	34.73	27.84	25.4	0.124	1456.4
230.0	1.11	1.10	34.79	27.87	23.1	0.127	1457.8
240.0	1.29	1.28	34.84	27.89	21.0	0.129	1458.9
250.0	1.32	1.31	34.87	27.92	18.3	0.131	1459.2
260.0	1.36	1.35	34.89	27.93	17.6	0.133	1459.6
270.0	1.40	1.38	34.89	27.93	17.7	0.134	1459.9
280.0	1.50	1.48	34.92	27.94	16.5	0.136	1460.6
290.0	1.53	1.52	34.94	27.96	15.1	0.138	1460.9
300.0	1.52	1.50	34.96	27.98	13.4	0.139	1461.0
310.0	1.50	1.48	34.95	27.97	13.9	0.141	1461.1
320.0	1.48	1.46	34.96	27.98	13.5	0.142	1461.2
330.0	1.44	1.42	34.97	27.99	11.8	0.143	1461.2
340.0	1.41	1.39	34.97	27.99	12.2	0.144	1461.2
350.0	1.40	1.38	34.96	27.98	12.8	0.146	1461.4
360.0	1.37	1.35	34.97	27.99	11.8	0.147	1461.4
370.0	1.36	1.34	34.97	28.00	11.8	0.148	1461.5
380.0	1.33	1.31	34.98	28.01	10.9	0.149	1461.5
390.0	1.29	1.27	34.97	28.00	11.4	0.150	1461.5
400.0	1.24	1.22	34.97	28.01	10.5	0.152	1461.5
410.0	1.20	1.18	34.97	28.01	10.3	0.153	1461.5
420.0	1.17	1.14	34.98	28.02	9.8	0.154	1461.5
430.0	1.13	1.11	34.97	28.01	10.3	0.155	1461.5
440.0	1.11	1.09	34.97	28.01	10.3	0.156	1461.6
450.0	1.07	1.05	34.98	28.02	9.3	0.157	1461.6
460.0	1.04	1.02	34.97	28.02	9.7	0.158	1461.6
470.0	1.04	1.02	34.97	28.02	9.9	0.159	1461.8
480.0	1.03	1.00	34.97	28.02	9.4	0.160	1461.9
490.0	1.00	0.98	34.97	28.02	9.5	0.161	1461.9
500.0	1.00	0.98	34.96	28.01	10.0	0.162	1462.1
503.9	1.00	0.97	34.97	28.02	9.1	0.162	1462.1


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 7 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 7 -1
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FRAM 3 STATION 9(1) CTD 8/APR/1981 907 GMT CODE = 5
LAT = 83.084HN LNG = 9.9572E WTER = 30. DPTH = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.81	-1.81	33.08	26.62	141.1	0.000	1438.2
4.0	-1.81	-1.81	33.08	26.62	141.1	0.006	1438.2
5.0	-1.82	-1.82	33.08	26.62	140.7	0.007	1438.2
10.0	-1.82	-1.82	33.09	26.63	140.1	0.014	1438.3
15.0	-1.82	-1.82	33.14	26.67	136.2	0.021	1438.4
20.0	-1.83	-1.83	33.23	26.75	128.7	0.028	1438.6
25.0	-1.83	-1.83	33.29	26.79	124.4	0.034	1438.8
30.0	-1.84	-1.84	33.34	26.83	120.6	0.041	1438.9
35.0	-1.84	-1.84	33.35	26.84	119.4	0.047	1439.0
40.0	-1.84	-1.84	33.37	26.85	118.3	0.053	1439.1
45.0	-1.84	-1.84	33.38	26.85	118.5	0.059	1439.2
50.0	-1.83	-1.83	33.39	26.87	116.6	0.064	1439.3
55.0	-1.81	-1.81	33.52	26.98	106.5	0.070	1439.7
60.0	-1.79	-1.79	33.66	27.09	96.1	0.075	1440.1
65.0	-1.77	-1.77	33.75	27.17	88.6	0.080	1440.4
70.0	-1.77	-1.77	33.85	27.25	81.0	0.084	1440.6
75.0	-1.77	-1.78	33.99	27.36	70.4	0.088	1440.9
80.0	-1.76	-1.76	34.07	27.42	64.2	0.091	1441.1
85.0	-1.70	-1.70	34.11	27.46	61.0	0.095	1441.6
90.0	-1.67	-1.67	34.15	27.48	58.4	0.098	1441.8
95.0	-1.70	-1.70	34.18	27.51	55.5	0.101	1441.8
100.0	-1.67	-1.67	34.21	27.54	53.3	0.103	1442.1
110.0	-1.66	-1.66	34.25	27.57	50.1	0.108	1442.4
120.0	-1.56	-1.56	34.29	27.60	47.3	0.113	1443.1
130.0	-1.51	-1.51	34.32	27.62	45.4	0.118	1443.5
140.0	-1.65	-1.65	34.32	27.63	44.5	0.123	1443.0
150.0	-1.61	-1.62	34.35	27.65	42.5	0.127	1443.4
160.0	-1.18	-1.19	34.40	27.68	40.0	0.131	1445.6
170.0	-0.86	-0.86	34.45	27.70	37.9	0.135	1447.4
180.0	-0.64	-0.65	34.50	27.73	35.1	0.139	1448.6
190.0	-0.40	-0.41	34.55	27.76	32.4	0.142	1450.0
200.0	-0.07	-0.07	34.60	27.79	29.6	0.145	1451.8
210.0	0.23	0.22	34.66	27.82	27.4	0.148	1453.4
220.0	0.58	0.57	34.71	27.84	25.5	0.151	1455.2
230.0	0.99	0.98	34.77	27.86	23.8	0.153	1457.3
240.0	1.04	1.02	34.79	27.87	22.5	0.156	1457.7
250.0	1.19	1.18	34.83	27.90	20.6	0.158	1458.6
260.0	1.33	1.32	34.86	27.91	19.7	0.160	1459.4
270.0	1.42	1.41	34.88	27.92	18.9	0.162	1460.0
280.0	1.40	1.38	34.88	27.92	18.3	0.164	1460.1
290.0	1.34	1.33	34.89	27.93	17.3	0.166	1460.0
300.0	1.24	1.22	34.89	27.94	16.9	0.167	1459.7
310.0	1.09	1.07	34.88	27.94	16.6	0.169	1459.2
320.0	1.22	1.21	34.90	27.95	15.7	0.171	1460.0
330.0	1.35	1.34	34.94	27.98	13.5	0.172	1460.8
340.0	1.36	1.34	34.93	27.97	14.4	0.174	1461.0
350.0	1.35	1.34	34.94	27.97	13.9	0.175	1461.1
360.0	1.34	1.32	34.94	27.97	13.7	0.176	1461.2
370.0	1.21	1.19	34.93	27.98	13.5	0.178	1460.8
380.0	1.18	1.16	34.93	27.98	13.3	0.179	1460.8
390.0	1.13	1.11	34.93	27.98	12.8	0.180	1460.8
400.0	1.04	1.02	34.93	27.98	12.7	0.182	1460.5
410.0	1.06	1.04	34.93	27.99	12.3	0.183	1460.8
420.0	1.07	1.04	34.94	27.99	12.1	0.184	1461.0
430.0	1.07	1.05	34.94	28.00	11.6	0.185	1461.2
440.0	1.06	1.04	34.94	28.00	11.6	0.187	1461.3
450.0	1.03	1.01	34.94	28.00	11.7	0.188	1461.3
460.0	0.96	0.94	34.93	27.99	11.7	0.189	1461.2
470.0	0.94	0.92	34.93	28.00	11.7	0.190	1461.3
480.0	0.92	0.90	34.94	28.00	11.3	0.191	1461.3
490.0	0.90	0.88	34.94	28.00	11.1	0.193	1461.4
500.0	0.92	0.89	34.94	28.00	11.1	0.194	1461.7
530.0	0.83	0.81	34.93	28.00	10.8	0.197	1461.8
560.0	0.77	0.74	34.94	28.01	9.9	0.200	1462.0
590.0	0.69	0.66	34.94	28.02	9.5	0.203	1462.1
620.0	0.59	0.56	34.94	28.02	9.0	0.206	1462.2
650.0	0.51	0.48	34.93	28.02	8.8	0.209	1462.3
680.0	0.41	0.38	34.92	28.02	8.6	0.211	1462.4
710.0	0.37	0.33	34.93	28.03	8.0	0.214	1462.7
740.0	0.26	0.23	34.92	28.03	7.7	0.216	1462.7
790.0	0.13	0.09	34.92	28.04	6.9	0.220	1462.9
840.0	0.04	0.00	34.91	28.03	6.8	0.223	1463.4
890.0	-0.05	-0.08	34.91	28.04	6.4	0.227	1463.8
940.0	-0.13	-0.17	34.91	28.04	5.8	0.230	1464.3
990.0	-0.19	-0.23	34.91	28.04	5.5	0.233	1464.8
1040.0	-0.25	-0.29	34.90	28.04	5.5	0.235	1465.4
1064.7	-0.28	-0.33	34.90	28.04	5.3	0.237	1465.7



FRAM 3 8 -1

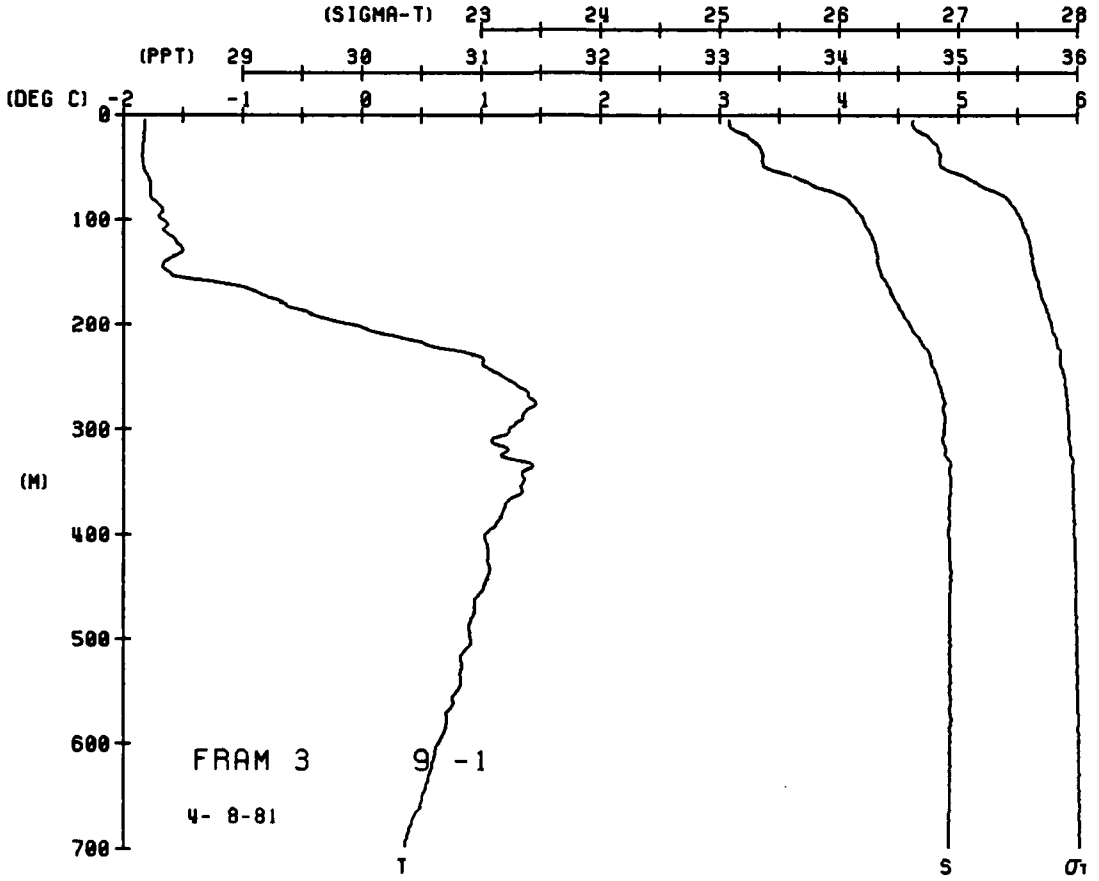
4- 7-81

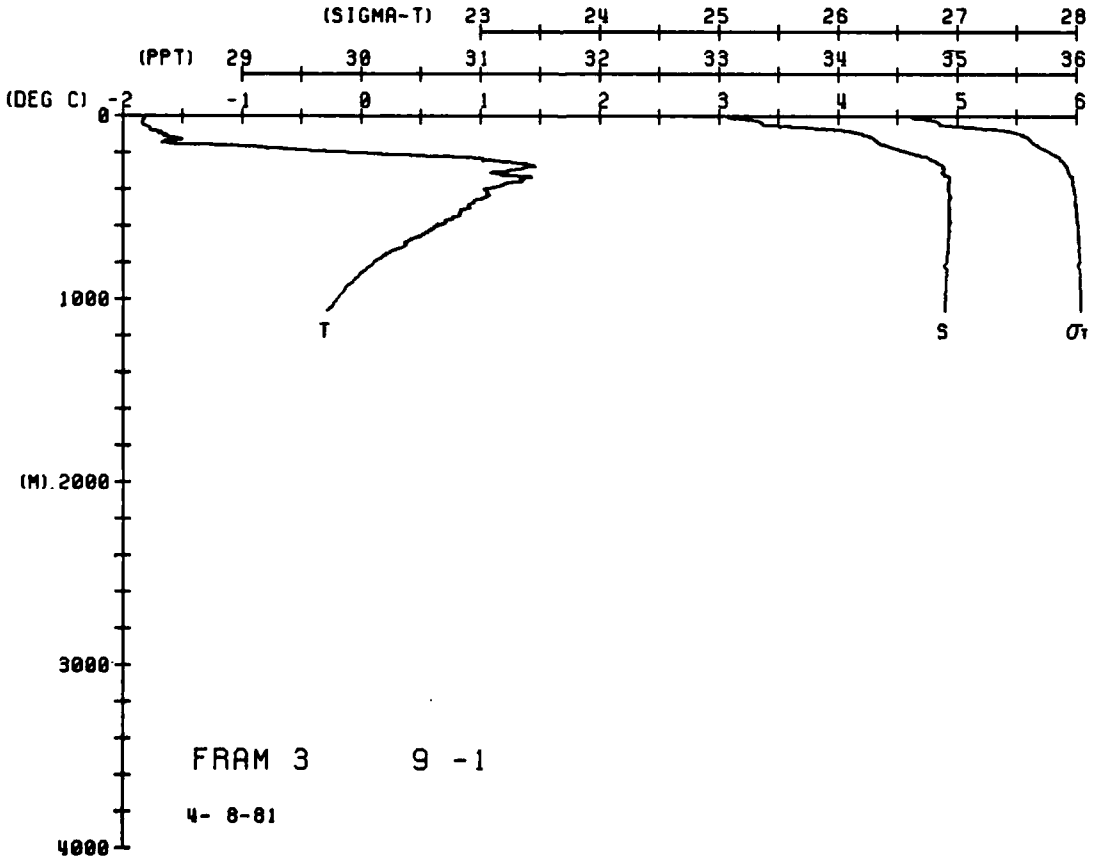
FRAM 3 STATION 10(1) CTD 8/APR/1981 1416 GMT CODE = 5
LAT = 83.094BN LNG = 9.901E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.06	26.60	142.4	0.000	1438.1
4.0	-1.82	-1.82	33.06	26.60	142.4	0.006	1438.2
5.0	-1.82	-1.82	33.06	26.60	142.3	0.007	1438.2
10.0	-1.82	-1.82	33.08	26.62	141.0	0.014	1438.3
15.0	-1.83	-1.83	33.12	26.65	137.9	0.021	1438.4
20.0	-1.83	-1.83	33.18	26.70	132.9	0.028	1438.6
25.0	-1.83	-1.83	33.25	26.75	127.8	0.035	1438.7
30.0	-1.83	-1.83	33.27	26.78	125.9	0.041	1438.8
35.0	-1.83	-1.83	33.28	26.79	124.9	0.048	1438.9
40.0	-1.84	-1.84	33.30	26.80	123.7	0.054	1439.0
45.0	-1.83	-1.83	33.31	26.81	122.6	0.060	1439.1
50.0	-1.81	-1.81	33.36	26.85	118.7	0.066	1439.4
55.0	-1.82	-1.82	33.45	26.92	111.6	0.072	1439.6
60.0	-1.80	-1.80	33.55	27.00	104.3	0.077	1439.9
65.0	-1.79	-1.79	33.62	27.06	98.7	0.083	1440.1
70.0	-1.78	-1.78	33.71	27.14	91.5	0.087	1440.4
75.0	-1.78	-1.78	33.77	27.18	86.8	0.092	1440.5
80.0	-1.77	-1.78	33.86	27.26	79.9	0.096	1440.8
85.0	-1.77	-1.78	33.94	27.32	74.2	0.100	1441.0
90.0	-1.76	-1.76	33.99	27.36	70.1	0.104	1441.2
95.0	-1.72	-1.72	34.08	27.43	63.3	0.107	1441.6
100.0	-1.68	-1.69	34.15	27.49	58.0	0.110	1441.9
110.0	-1.64	-1.65	34.25	27.57	50.5	0.116	1442.4
120.0	-1.79	-1.80	34.29	27.60	47.1	0.121	1441.9
130.0	-1.75	-1.76	34.30	27.61	45.8	0.125	1442.3
140.0	-1.60	-1.60	34.34	27.64	43.5	0.130	1443.3
150.0	-1.22	-1.22	34.39	27.66	41.3	0.134	1445.3
160.0	-0.95	-0.96	34.44	27.70	38.3	0.138	1446.8
170.0	-0.68	-0.68	34.49	27.73	35.5	0.142	1448.3
180.0	-0.40	-0.41	34.54	27.76	32.8	0.145	1449.8
190.0	-0.13	-0.13	34.59	27.78	30.5	0.148	1451.3
200.0	0.23	0.23	34.65	27.81	28.1	0.151	1453.2
210.0	0.75	0.74	34.73	27.84	25.3	0.154	1455.8
220.0	1.00	0.99	34.76	27.85	24.7	0.157	1457.1
230.0	0.97	0.96	34.77	27.86	23.6	0.159	1457.2
240.0	1.04	1.03	34.80	27.88	21.7	0.161	1457.7
250.0	1.26	1.25	34.84	27.90	20.2	0.163	1458.9
260.0	1.30	1.29	34.86	27.91	19.3	0.165	1459.3
270.0	1.26	1.24	34.87	27.92	18.1	0.167	1459.3
280.0	1.28	1.27	34.88	27.93	17.4	0.169	1459.6
290.0	1.10	1.09	34.88	27.94	16.6	0.171	1458.9
300.0	1.07	1.06	34.87	27.94	16.6	0.173	1458.9
310.0	1.03	1.02	34.88	27.94	16.2	0.174	1458.9
320.0	1.13	1.11	34.90	27.95	15.4	0.176	1459.6
330.0	1.17	1.15	34.92	27.97	14.3	0.177	1459.9
340.0	1.21	1.19	34.93	27.97	13.7	0.179	1460.3
350.0	1.13	1.12	34.93	27.98	13.3	0.180	1460.1
360.0	1.08	1.06	34.92	27.98	13.0	0.181	1460.0
370.0	1.03	1.01	34.92	27.98	13.2	0.183	1460.0
380.0	0.98	0.96	34.91	27.98	13.3	0.184	1459.9
390.0	0.96	0.94	34.91	27.98	12.9	0.185	1460.0
391.4	0.98	0.96	34.91	27.98	13.1	0.186	1460.1

FRAM 3 STATION 11(1) CTD 8/APR/1981 1706 GMT CODE
LAT = 83.101BN LNG = 9.863E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.07	26.61	141.5	0.000	1438.1
4.0	-1.83	-1.83	33.07	26.61	141.4	0.006	1438.2
5.0	-1.82	-1.82	33.07	26.61	141.8	0.007	1438.2
10.0	-1.82	-1.82	33.07	26.61	141.5	0.014	1438.3
15.0	-1.83	-1.83	33.11	26.64	138.7	0.021	1438.4
20.0	-1.83	-1.83	33.16	26.69	134.3	0.028	1438.5
25.0	-1.83	-1.83	33.20	26.72	131.6	0.035	1438.7
30.0	-1.83	-1.83	33.24	26.75	128.4	0.042	1438.8
35.0	-1.83	-1.83	33.25	26.76	127.6	0.048	1438.9
40.0	-1.83	-1.83	33.27	26.77	126.0	0.054	1439.0
45.0	-1.83	-1.83	33.32	26.82	121.7	0.061	1439.2
50.0	-1.82	-1.82	33.43	26.91	113.1	0.067	1439.5
55.0	-1.81	-1.81	33.46	26.93	110.8	0.072	1439.6
60.0	-1.80	-1.80	33.51	26.97	107.2	0.078	1439.8
65.0	-1.79	-1.79	33.62	27.06	98.7	0.083	1440.1
70.0	-1.78	-1.79	33.74	27.16	89.2	0.088	1440.4
75.0	-1.78	-1.78	33.86	27.25	80.4	0.092	1440.7
80.0	-1.77	-1.78	33.92	27.30	75.4	0.096	1440.9
85.0	-1.77	-1.77	33.97	27.34	72.1	0.100	1441.0
90.0	-1.75	-1.75	34.01	27.38	68.3	0.103	1441.3
95.0	-1.72	-1.73	34.05	27.40	65.8	0.107	1441.5
100.0	-1.71	-1.71	34.11	27.46	60.9	0.110	1441.8
110.0	-1.64	-1.64	34.17	27.50	56.9	0.116	1442.4
120.0	-1.55	-1.55	34.24	27.55	51.6	0.121	1443.0
130.0	-1.48	-1.48	34.27	27.58	49.3	0.126	1443.6
140.0	-1.59	-1.59	34.31	27.61	45.9	0.131	1443.3
150.0	-1.54	-1.54	34.33	27.63	44.2	0.136	1443.7
160.0	-1.18	-1.19	34.34	27.62	44.9	0.140	1445.5
170.0	-0.93	-0.93	34.39	27.65	42.3	0.145	1447.0
180.0	-0.79	-0.80	34.43	27.68	39.6	0.149	1447.8
190.0	-0.48	-0.49	34.49	27.72	36.2	0.153	1449.5
200.0	-0.21	-0.21	34.54	27.74	34.2	0.156	1451.0
210.0	0.24	0.23	34.58	27.76	33.2	0.160	1453.3
220.0	0.62	0.61	34.67	27.81	28.8	0.163	1455.3
230.0	0.60	0.59	34.69	27.83	26.8	0.166	1455.4
240.0	0.78	0.77	34.72	27.84	25.7	0.168	1456.4
250.0	0.90	0.89	34.77	27.87	23.1	0.171	1457.2
260.0	0.85	0.84	34.79	27.88	21.6	0.173	1457.2
270.0	0.95	0.94	34.82	27.91	19.6	0.175	1457.8
280.0	1.08	1.07	34.87	27.93	17.1	0.177	1458.7
290.0	1.03	1.01	34.87	27.94	16.8	0.179	1458.6
300.0	0.99	0.97	34.87	27.94	16.4	0.180	1458.6
310.0	1.01	1.00	34.86	27.93	17.5	0.182	1458.8
320.0	1.16	1.14	34.90	27.96	15.1	0.184	1459.7
330.0	1.22	1.20	34.92	27.97	14.2	0.185	1460.1
340.0	1.15	1.13	34.93	27.98	13.4	0.187	1460.0
350.0	1.10	1.09	34.92	27.98	13.3	0.188	1460.0
360.0	1.06	1.05	34.91	27.97	13.8	0.189	1460.0
370.0	1.02	1.01	34.91	27.97	13.4	0.191	1459.9
380.0	0.99	0.97	34.91	27.97	13.5	0.192	1459.9
390.0	0.99	0.97	34.91	27.97	13.6	0.193	1460.1
400.0	1.05	1.04	34.92	27.98	13.4	0.195	1460.6
410.0	1.07	1.04	34.94	27.99	11.9	0.196	1460.8
420.0	1.03	1.00	34.93	27.99	12.4	0.197	1460.8
430.0	1.01	0.99	34.93	27.99	12.0	0.199	1460.9
440.0	1.00	0.98	34.93	27.99	11.9	0.200	1461.0
450.0	0.95	0.93	34.93	27.99	11.9	0.201	1461.0
460.0	0.94	0.91	34.92	27.99	12.2	0.202	1461.1
470.0	0.93	0.91	34.93	27.99	12.0	0.203	1461.2
480.0	0.94	0.92	34.94	28.00	11.1	0.205	1461.4
490.0	0.91	0.89	34.94	28.01	10.7	0.206	1461.5
493.1	0.90	0.88	34.93	27.99	11.8	0.206	1461.5


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 9 -1
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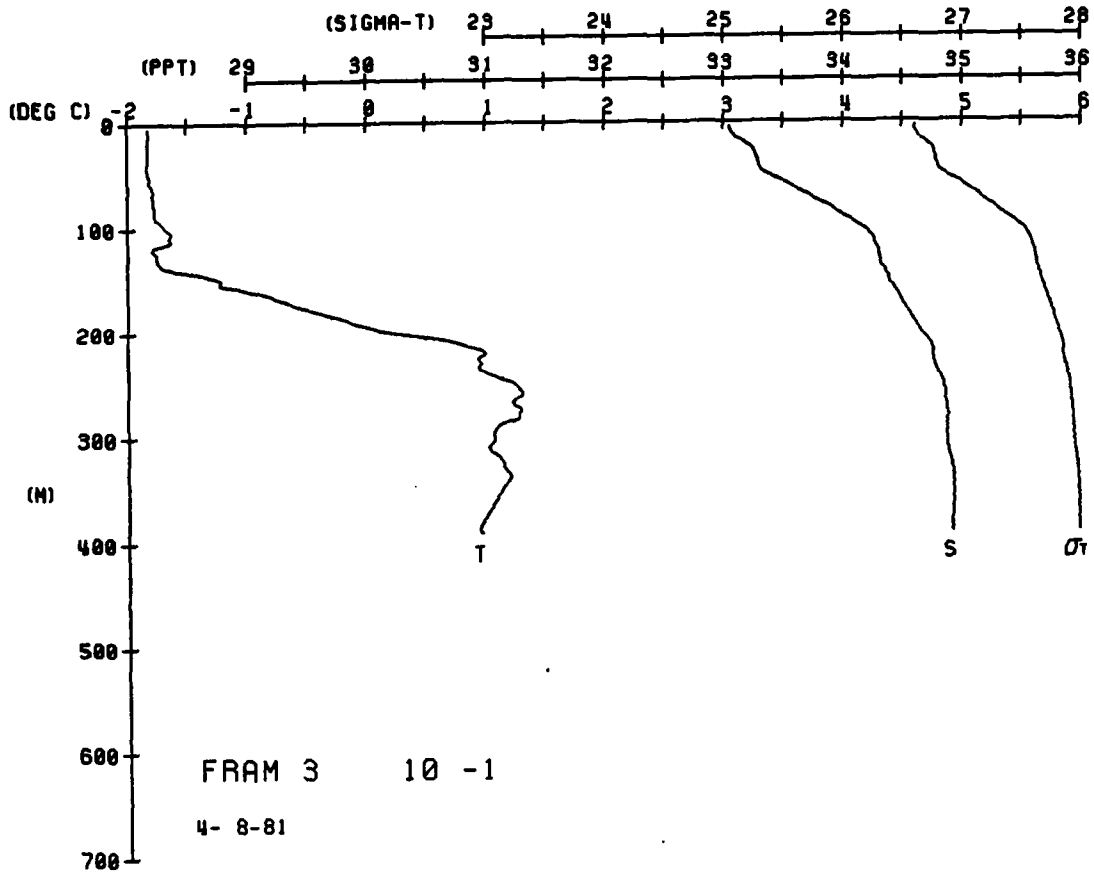

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4- 8-81

FRAM 3 STATION 12(2) CTD 8/APR/1981 1716 GMT CODE = 5
LAT = 83.1018N LNG = 9.8637E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.10	26.63	139.6	0.000	1438.1
4.0	-1.82	-1.82	33.10	26.63	139.5	0.006	1438.2
5.0	-1.82	-1.82	33.10	26.63	139.4	0.007	1438.2
10.0	-1.83	-1.83	33.12	26.65	137.9	0.014	1438.3
15.0	-1.83	-1.83	33.15	26.68	135.2	0.021	1438.4
20.0	-1.83	-1.83	33.19	26.71	131.9	0.028	1438.6
25.0	-1.83	-1.83	33.24	26.75	127.9	0.034	1438.7
30.0	-1.83	-1.83	33.27	26.78	125.9	0.041	1438.8
35.0	-1.83	-1.83	33.29	26.79	124.5	0.047	1438.9
40.0	-1.83	-1.83	33.33	26.82	121.5	0.053	1439.1
45.0	-1.83	-1.83	33.45	26.92	112.2	0.059	1439.3
50.0	-1.84	-1.84	33.48	26.95	109.3	0.065	1439.4
55.0	-1.82	-1.82	33.51	26.97	107.1	0.070	1439.6
60.0	-1.80	-1.80	33.59	27.04	100.9	0.075	1440.0
65.0	-1.78	-1.78	33.73	27.14	90.7	0.080	1440.3
70.0	-1.78	-1.78	33.83	27.23	82.4	0.085	1440.5
75.0	-1.77	-1.78	33.91	27.30	76.3	0.089	1440.8
80.0	-1.77	-1.78	33.95	27.33	73.3	0.092	1440.9
85.0	-1.75	-1.75	33.99	27.36	70.2	0.096	1441.1
90.0	-1.73	-1.73	34.05	27.41	65.4	0.100	1441.4
95.0	-1.71	-1.71	34.11	27.45	61.3	0.103	1441.7
100.0	-1.71	-1.71	34.14	27.48	58.7	0.106	1441.8
110.0	-1.57	-1.57	34.22	27.54	53.0	0.111	1442.8
120.0	-1.52	-1.52	34.27	27.58	49.2	0.117	1443.2
130.0	-1.57	-1.57	34.28	27.59	48.3	0.122	1443.2
140.0	-1.54	-1.55	34.33	27.63	44.7	0.126	1443.5
150.0	-1.34	-1.35	34.36	27.65	42.9	0.131	1444.7
160.0	-1.17	-1.17	34.39	27.66	41.3	0.135	1445.7
170.0	-0.88	-0.88	34.43	27.69	38.8	0.139	1447.3
180.0	-0.73	-0.74	34.47	27.72	36.5	0.143	1448.2
190.0	-0.44	-0.44	34.52	27.74	34.0	0.146	1449.8
200.0	-0.16	-0.17	34.57	27.77	31.6	0.150	1451.3
210.0	0.32	0.31	34.65	27.81	28.3	0.153	1453.8
220.0	0.65	0.64	34.70	27.83	26.4	0.155	1455.5
230.0	0.61	0.60	34.73	27.85	24.6	0.158	1455.5
240.0	0.82	0.81	34.77	27.87	22.6	0.160	1456.7
250.0	0.80	0.79	34.79	27.89	21.2	0.163	1456.8
260.0	0.84	0.83	34.81	27.91	19.3	0.165	1457.2
270.0	1.01	1.00	34.86	27.93	17.3	0.167	1458.2
280.0	1.04	1.03	34.88	27.94	16.2	0.168	1458.5
290.0	0.99	0.98	34.87	27.94	16.4	0.170	1458.4
300.0	0.95	0.94	34.87	27.94	16.0	0.172	1458.4
310.0	1.05	1.03	34.89	27.95	15.3	0.173	1459.0
320.0	1.21	1.19	34.93	27.97	13.7	0.175	1459.9
330.0	1.20	1.18	34.94	27.98	13.0	0.176	1460.1
340.0	1.15	1.13	34.93	27.98	13.3	0.177	1460.0
350.0	1.10	1.09	34.93	27.98	13.0	0.179	1460.0
360.0	1.06	1.05	34.92	27.98	13.1	0.180	1460.0
370.0	1.02	1.00	34.92	27.98	13.1	0.181	1459.9
380.0	0.98	0.96	34.92	27.98	12.9	0.183	1459.9
390.0	1.03	1.01	34.92	27.98	12.7	0.184	1460.3
400.0	1.07	1.05	34.94	27.99	12.0	0.185	1460.7
410.0	1.07	1.05	34.94	27.99	11.8	0.186	1460.9
420.0	1.03	1.01	34.94	27.99	11.9	0.187	1460.9
430.0	1.00	0.98	34.94	27.99	11.7	0.189	1460.9
440.0	0.98	0.95	34.94	28.00	11.6	0.190	1460.9
450.0	0.94	0.92	34.94	28.00	11.2	0.191	1461.0
460.0	0.94	0.92	34.94	28.00	11.3	0.192	1461.1
470.0	0.95	0.93	34.94	28.00	11.3	0.193	1461.3
480.0	0.93	0.90	34.94	28.00	11.1	0.194	1461.4
490.0	0.90	0.88	34.94	28.00	11.0	0.196	1461.4
490.1	0.90	0.88	34.94	28.00	11.0	0.196	1461.4

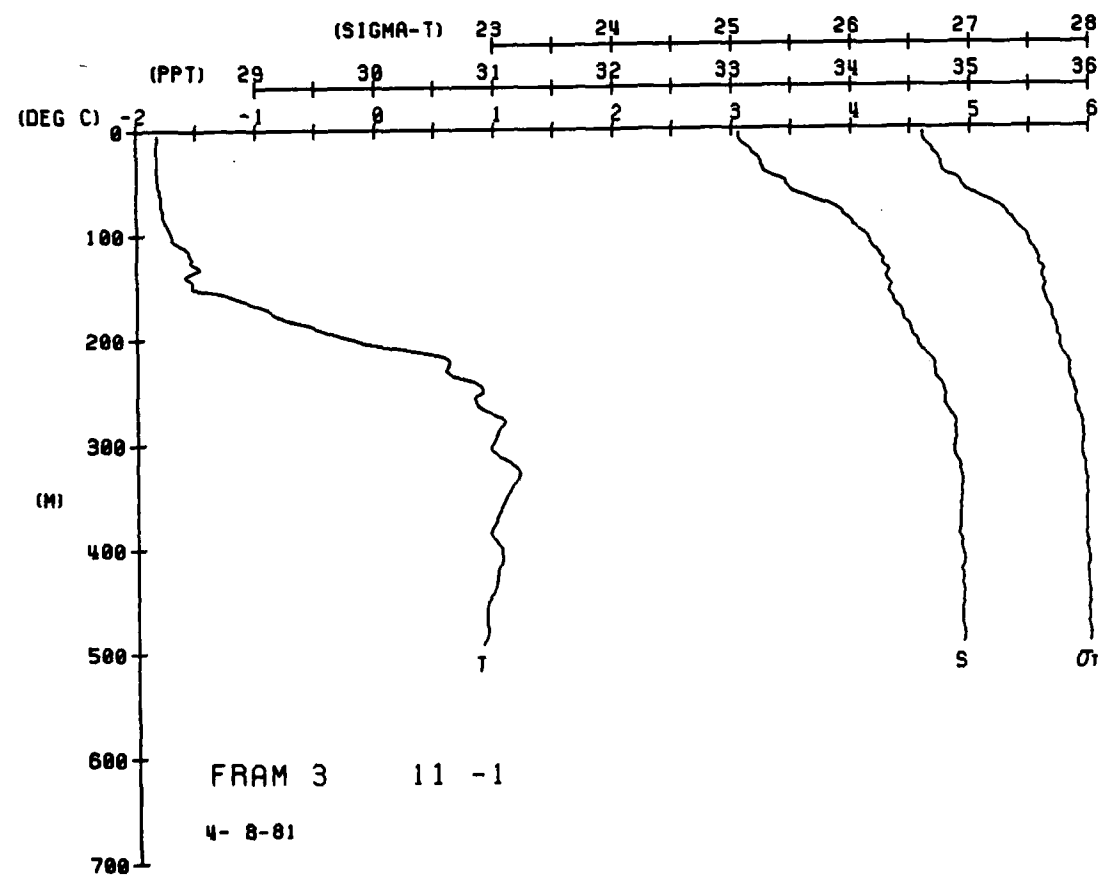
FRAM 3 STATION 13(1) CTD 9/APR/1981 1038 GMT CODE = 5
LAT = 83.1963N LNG = 9.4957E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 12.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	32.80	26.40	162.2	0.000	1437.7
4.0	-1.82	-1.82	32.80	26.40	162.1	0.007	1437.8
5.0	-1.82	-1.82	32.80	26.40	162.1	0.008	1437.8
10.0	-1.82	-1.82	32.82	26.41	161.1	0.016	1437.9
15.0	-1.82	-1.82	32.81	26.40	161.3	0.025	1438.0
20.0	-1.82	-1.82	32.86	26.44	157.8	0.033	1438.2
25.0	-1.83	-1.83	33.01	26.56	146.3	0.040	1438.4
30.0	-1.83	-1.83	33.08	26.62	140.8	0.048	1438.6
35.0	-1.83	-1.83	33.08	26.62	140.1	0.055	1438.7
40.0	-1.83	-1.83	33.11	26.64	138.4	0.062	1438.8
45.0	-1.83	-1.83	33.13	26.66	136.6	0.069	1438.9
50.0	-1.84	-1.84	33.16	26.69	133.9	0.075	1439.0
55.0	-1.84	-1.84	33.22	26.74	129.3	0.082	1439.2
60.0	-1.82	-1.82	33.34	26.83	120.3	0.088	1439.5
65.0	-1.81	-1.81	33.53	26.98	105.8	0.094	1439.9
70.0	-1.80	-1.81	33.70	27.13	92.2	0.099	1440.2
75.0	-1.78	-1.78	33.85	27.25	80.9	0.103	1440.7
80.0	-1.77	-1.77	33.95	27.33	73.3	0.107	1440.9
85.0	-1.76	-1.76	34.02	27.38	68.3	0.111	1441.1
90.0	-1.76	-1.76	34.09	27.44	62.1	0.114	1441.3
95.0	-1.73	-1.74	34.14	27.48	58.7	0.117	1441.6
100.0	-1.66	-1.66	34.17	27.51	56.3	0.120	1442.1
110.0	-1.61	-1.62	34.23	27.55	51.9	0.126	1442.5
120.0	-1.79	-1.79	34.26	27.58	49.0	0.131	1441.9
130.0	-1.77	-1.77	34.28	27.60	47.4	0.136	1442.2
140.0	-1.73	-1.73	34.31	27.62	45.6	0.140	1442.6
150.0	-1.57	-1.58	34.33	27.63	44.5	0.145	1443.5
160.0	-1.04	-1.04	34.41	27.68	39.8	0.149	1446.3
170.0	-0.90	-0.91	34.46	27.71	36.8	0.153	1447.2
180.0	-0.60	-0.61	34.48	27.72	36.5	0.157	1448.8
190.0	-0.26	-0.27	34.56	27.76	32.2	0.160	1450.6
200.0	-0.13	-0.14	34.60	27.79	30.1	0.163	1451.5
210.0	0.12	0.11	34.65	27.82	27.4	0.166	1452.8
220.0	0.26	0.25	34.68	27.84	25.7	0.169	1453.7
230.0	0.42	0.41	34.72	27.86	23.8	0.172	1454.6
240.0	0.58	0.57	34.75	27.87	22.4	0.174	1455.6
250.0	0.72	0.71	34.79	27.90	20.3	0.176	1456.4
260.0	0.89	0.88	34.84	27.92	18.0	0.178	1457.4
270.0	1.09	1.07	34.88	27.95	15.8	0.180	1458.5
280.0	1.06	1.05	34.90	27.96	14.8	0.181	1458.6
290.0	0.97	0.96	34.88	27.95	15.5	0.183	1458.3
300.0	0.98	0.96	34.88	27.95	15.2	0.184	1458.5
310.0	1.20	1.19	34.92	27.97	14.0	0.186	1459.8
320.0	1.29	1.28	34.94	27.98	12.9	0.187	1460.4
330.0	1.33	1.31	34.96	27.99	12.2	0.188	1460.7
340.0	1.26	1.24	34.95	27.99	12.4	0.190	1460.6
350.0	1.16	1.14	34.95	27.99	11.7	0.191	1460.3
360.0	1.11	1.09	34.94	27.99	12.1	0.192	1460.2
370.0	1.05	1.03	34.93	27.99	12.0	0.193	1460.1
380.0	1.01	0.99	34.94	28.00	11.5	0.194	1460.1
390.0	1.01	0.99	34.94	28.00	11.5	0.196	1460.3
400.0	1.03	1.01	34.96	28.01	9.8	0.197	1460.5
410.0	1.02	1.00	34.95	28.01	10.5	0.198	1460.6
420.0	1.03	1.01	34.96	28.01	10.5	0.199	1460.9
430.0	1.07	1.05	34.96	28.01	10.3	0.200	1461.2
440.0	1.05	1.03	34.96	28.01	10.2	0.201	1461.3
450.0	1.02	1.00	34.96	28.01	10.4	0.202	1461.3
460.0	0.97	0.95	34.96	28.01	10.0	0.203	1461.3
470.0	0.93	0.90	34.95	28.01	10.0	0.204	1461.2
480.0	0.90	0.88	34.95	28.01	10.4	0.205	1461.3
490.0	0.88	0.86	34.95	28.01	10.1	0.206	1461.3
497.0	0.85	0.83	34.95	28.02	9.4	0.207	1461.3



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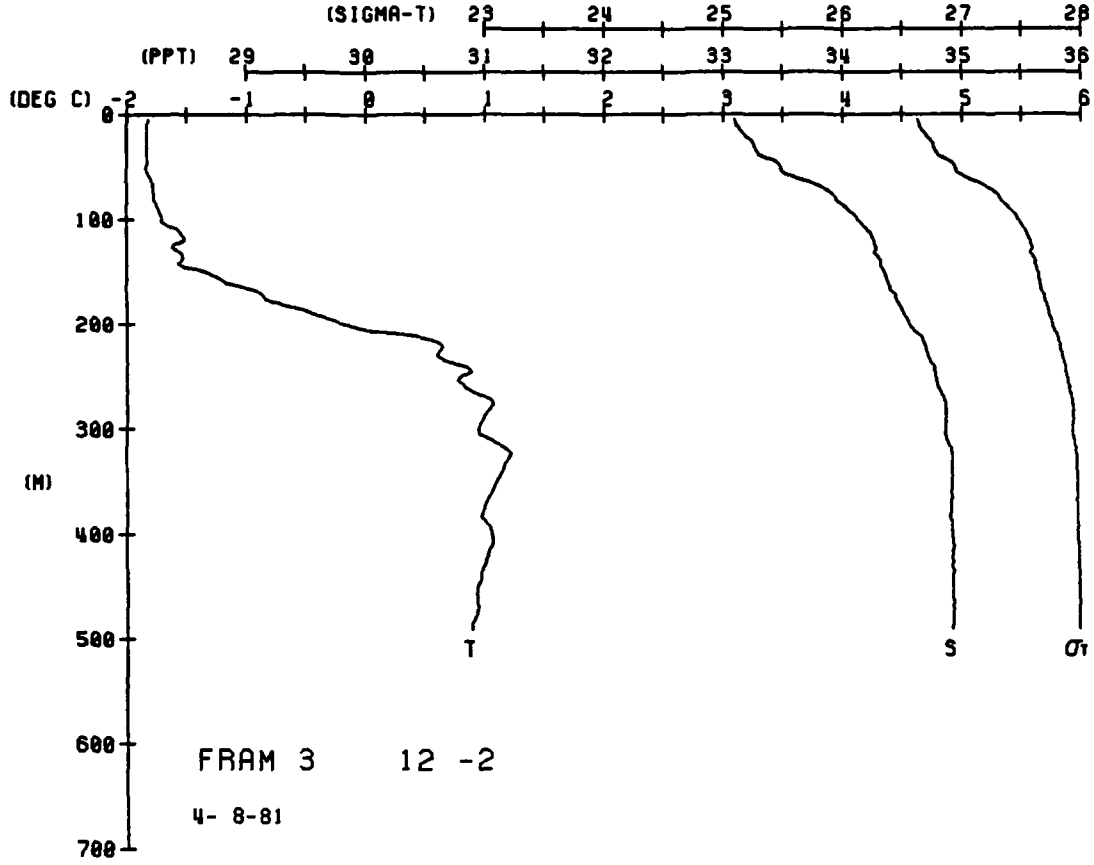


FRAM 3 11 -1

4- 8-81

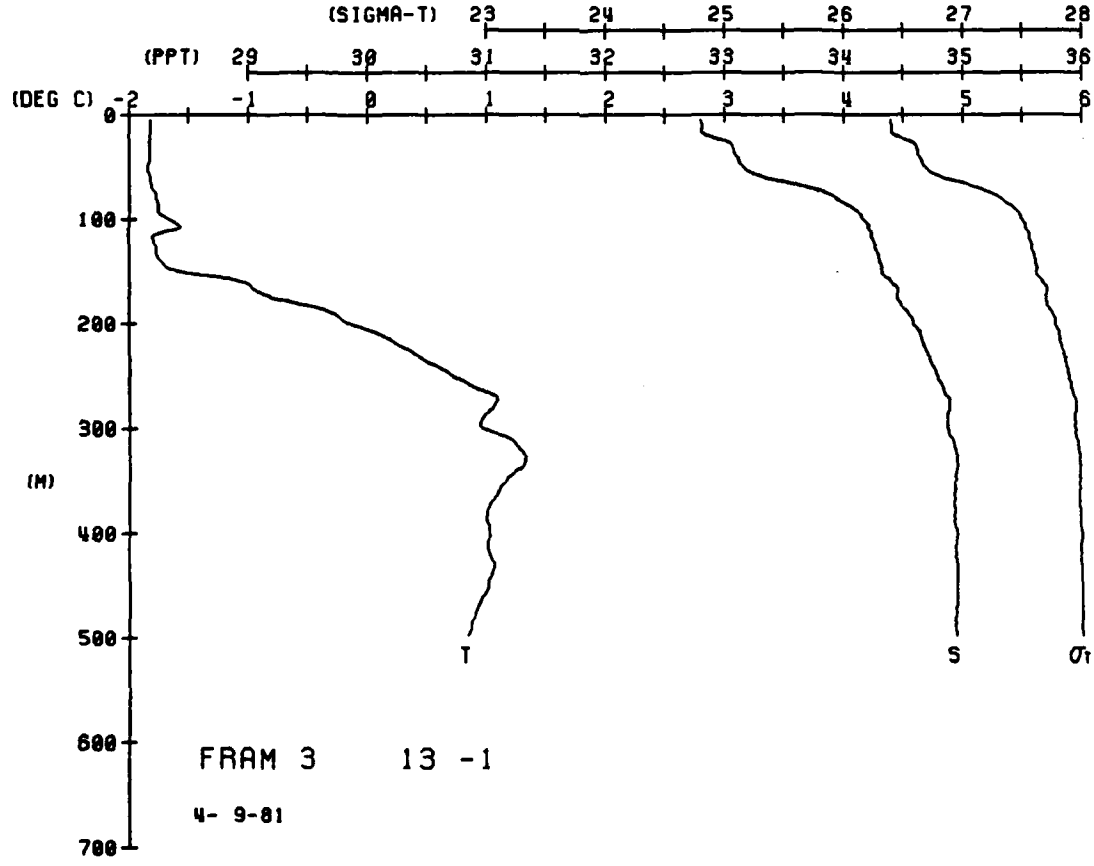
FRAM 3 STATION 14(1) CTD 9/APR/1981 1146 GMT CODE = 5
LAT = 83.2018N LNG = 9.4672E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	32.78	26.38	163.6	0.000	1437.8
4.0	-1.80	-1.80	32.78	26.38	163.6	0.007	1437.9
5.0	-1.80	-1.80	32.79	26.38	163.5	0.008	1437.9
10.0	-1.80	-1.81	32.79	26.38	163.3	0.017	1437.9
15.0	-1.80	-1.81	32.79	26.38	163.2	0.025	1438.0
20.0	-1.80	-1.81	32.79	26.38	163.0	0.033	1438.1
25.0	-1.80	-1.81	32.79	26.39	162.8	0.041	1438.2
30.0	-1.80	-1.81	32.80	26.39	162.4	0.050	1438.3
35.0	-1.80	-1.81	32.85	26.43	158.7	0.058	1438.4
40.0	-1.81	-1.81	33.01	26.57	145.7	0.065	1438.7
45.0	-1.81	-1.81	33.17	26.69	133.8	0.072	1439.0
50.0	-1.78	-1.78	33.31	26.81	122.5	0.079	1439.5
55.0	-1.77	-1.77	33.46	26.93	110.8	0.085	1439.8
60.0	-1.77	-1.77	33.59	27.03	101.5	0.090	1440.1
65.0	-1.76	-1.77	33.72	27.14	91.5	0.095	1440.4
70.0	-1.77	-1.77	33.82	27.22	83.1	0.099	1440.6
75.0	-1.76	-1.77	33.90	27.29	77.0	0.103	1440.8
80.0	-1.76	-1.77	33.98	27.35	71.1	0.107	1441.0
85.0	-1.75	-1.75	34.04	27.40	66.5	0.111	1441.2
90.0	-1.75	-1.75	34.09	27.44	62.5	0.114	1441.4
95.0	-1.74	-1.74	34.14	27.48	59.0	0.117	1441.6
100.0	-1.73	-1.73	34.17	27.50	56.5	0.120	1441.7
110.0	-1.70	-1.70	34.22	27.55	52.2	0.125	1442.1
120.0	-1.66	-1.67	34.27	27.59	48.5	0.130	1442.5
130.0	-1.59	-1.59	34.32	27.62	45.3	0.135	1443.1
140.0	-1.43	-1.44	34.35	27.64	43.2	0.140	1444.1
150.0	-1.16	-1.17	34.41	27.68	39.8	0.144	1445.6
160.0	-0.75	-0.75	34.46	27.71	37.1	0.148	1447.8
170.0	-0.34	-0.34	34.53	27.75	33.8	0.151	1449.9
180.0	-0.08	-0.09	34.58	27.77	31.2	0.155	1451.3
190.0	0.32	0.32	34.65	27.80	28.6	0.158	1453.4
200.0	0.61	0.60	34.70	27.83	26.7	0.160	1454.9
210.0	0.88	0.87	34.74	27.85	25.1	0.163	1456.4
220.0	1.31	1.30	34.81	27.87	22.6	0.166	1458.6
230.0	1.54	1.52	34.85	27.88	21.9	0.168	1459.8
240.0	1.84	1.83	34.89	27.89	21.1	0.170	1461.4
250.0	1.81	1.80	34.89	27.90	20.6	0.172	1461.4
260.0	1.69	1.67	34.89	27.91	19.7	0.174	1461.0
270.0	1.64	1.63	34.90	27.92	18.8	0.176	1461.0
280.0	1.71	1.70	34.92	27.93	18.3	0.178	1461.5
290.0	1.73	1.71	34.92	27.93	18.0	0.180	1461.8
300.0	1.66	1.65	34.92	27.93	17.5	0.182	1461.6
310.0	1.57	1.56	34.92	27.94	17.0	0.183	1461.4
320.0	1.46	1.44	34.91	27.94	16.5	0.185	1461.1
330.0	1.48	1.46	34.92	27.95	16.0	0.187	1461.3
340.0	1.51	1.49	34.93	27.95	15.9	0.188	1461.6
350.0	1.29	1.28	34.92	27.96	15.1	0.190	1460.8
360.0	1.31	1.29	34.92	27.96	15.0	0.191	1461.1
370.0	1.24	1.22	34.93	27.97	14.1	0.193	1460.9
380.0	1.15	1.13	34.92	27.97	13.6	0.194	1460.7
390.0	1.09	1.07	34.92	27.97	13.7	0.196	1460.6
400.0	1.03	1.01	34.91	27.97	13.6	0.197	1460.5
410.0	0.95	0.93	34.91	27.98	13.3	0.198	1460.3
420.0	0.90	0.88	34.91	27.98	13.2	0.200	1460.2
430.0	0.99	0.97	34.92	27.98	12.6	0.201	1460.8
440.0	1.04	1.02	34.94	27.99	12.1	0.202	1461.2
450.0	1.07	1.05	34.94	27.99	11.8	0.203	1461.5
460.0	1.05	1.02	34.94	27.99	12.1	0.205	1461.6
470.0	1.02	1.00	34.94	27.99	11.9	0.206	1461.6
480.0	1.00	0.97	34.93	27.99	12.0	0.207	1461.7
490.0	0.97	0.95	34.93	27.99	12.3	0.208	1461.7
500.0	0.94	0.91	34.93	27.99	11.8	0.210	1461.7
530.0	0.87	0.84	34.93	28.00	11.6	0.213	1461.9
560.0	0.93	0.90	34.94	28.01	10.9	0.217	1462.7
590.0	0.84	0.81	34.94	28.01	10.5	0.220	1462.8
620.0	0.71	0.68	34.93	28.01	10.5	0.223	1462.7
650.0	0.60	0.57	34.92	28.01	10.0	0.226	1462.7
680.0	0.49	0.45	34.92	28.02	9.4	0.229	1462.7
710.0	0.38	0.34	34.91	28.02	9.1	0.232	1462.7
740.0	0.34	0.30	34.92	28.02	8.6	0.235	1463.0
790.0	0.22	0.19	34.91	28.02	8.4	0.239	1463.3
840.0	0.13	0.09	34.91	28.03	7.7	0.243	1463.7
890.0	0.02	-0.02	34.90	28.03	7.4	0.247	1464.1
940.0	-0.04	-0.08	34.91	28.03	6.7	0.250	1464.7
990.0	-0.14	-0.18	34.90	28.03	6.8	0.254	1465.0
1040.0	-0.18	-0.23	34.90	28.03	6.5	0.257	1465.7
1090.0	-0.23	-0.28	34.90	28.03	6.0	0.260	1466.3
1140.0	-0.29	-0.35	34.89	28.04	5.5	0.263	1466.8
1190.0	-0.35	-0.40	34.89	28.04	5.4	0.266	1467.4
1240.0	-0.40	-0.46	34.89	28.04	5.1	0.269	1468.0
1290.0	-0.44	-0.50	34.89	28.04	4.7	0.271	1468.7
1340.0	-0.47	-0.54	34.88	28.03	4.9	0.274	1469.4
1390.0	-0.51	-0.58	34.88	28.04	4.4	0.276	1470.1
1440.0	-0.55	-0.62	34.88	28.04	4.2	0.278	1470.7
1490.0	-0.61	-0.67	34.88	28.04	3.8	0.280	1471.3
1540.0	-0.61	-0.68	34.88	28.04	3.9	0.282	1472.2
1590.0	-0.63	-0.71	34.88	28.04	3.4	0.284	1472.9
1640.0	-0.66	-0.74	34.87	28.04	3.4	0.286	1473.6
1690.0	-0.68	-0.76	34.87	28.04	3.3	0.288	1474.4
1740.0	-0.72	-0.80	34.87	28.03	3.1	0.289	1475.1
1790.0	-0.74	-0.82	34.87	28.03	3.0	0.291	1475.8
1840.0	-0.75	-0.84	34.87	28.04	2.7	0.292	1476.6
1890.0	-0.76	-0.85	34.86	28.03	2.9	0.294	1477.4
1940.0	-0.77	-0.87	34.86	28.03	2.5	0.295	1478.2
1990.0	-0.79	-0.89	34.86	28.03	2.4	0.296	1479.0
2040.0	-0.79	-0.89	34.86	28.03	2.4	0.297	1479.9
2090.0	-0.80	-0.90	34.86	28.04	1.9	0.299	1480.7
2140.0	-0.81	-0.92	34.86	28.03	1.8	0.300	1481.5
2190.0	-0.81	-0.92	34.86	28.04	1.6	0.300	1482.4
2240.0	-0.81	-0.93	34.86	28.03	1.5	0.301	1483.2
2290.0	-0.81	-0.93	34.86	28.03	1.5	0.302	1484.1
2340.0	-0.81	-0.93	34.86	28.03	1.5	0.303	1484.9
2390.0	-0.81	-0.94	34.86	28.03	1.4	0.303	1485.8
2440.0	-0.81	-0.94	34.86	28.03	1.3	0.304	1486.7
2490.0	-0.81	-0.95	34.86	28.03	1.2	0.305	1487.5
2540.0	-0.81	-0.95	34.86	28.03	0.9	0.305	1488.4
2590.0	-0.81	-0.95	34.86	28.03	0.8	0.306	1489.3
2640.0	-0.81	-0.95	34.86	28.03	1.0	0.306	1490.2
2669.7	-0.81	-0.95	34.86	28.03	0.9	0.307	1490.7



FRAM 3 12 -2

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FRAM 3 13 -1

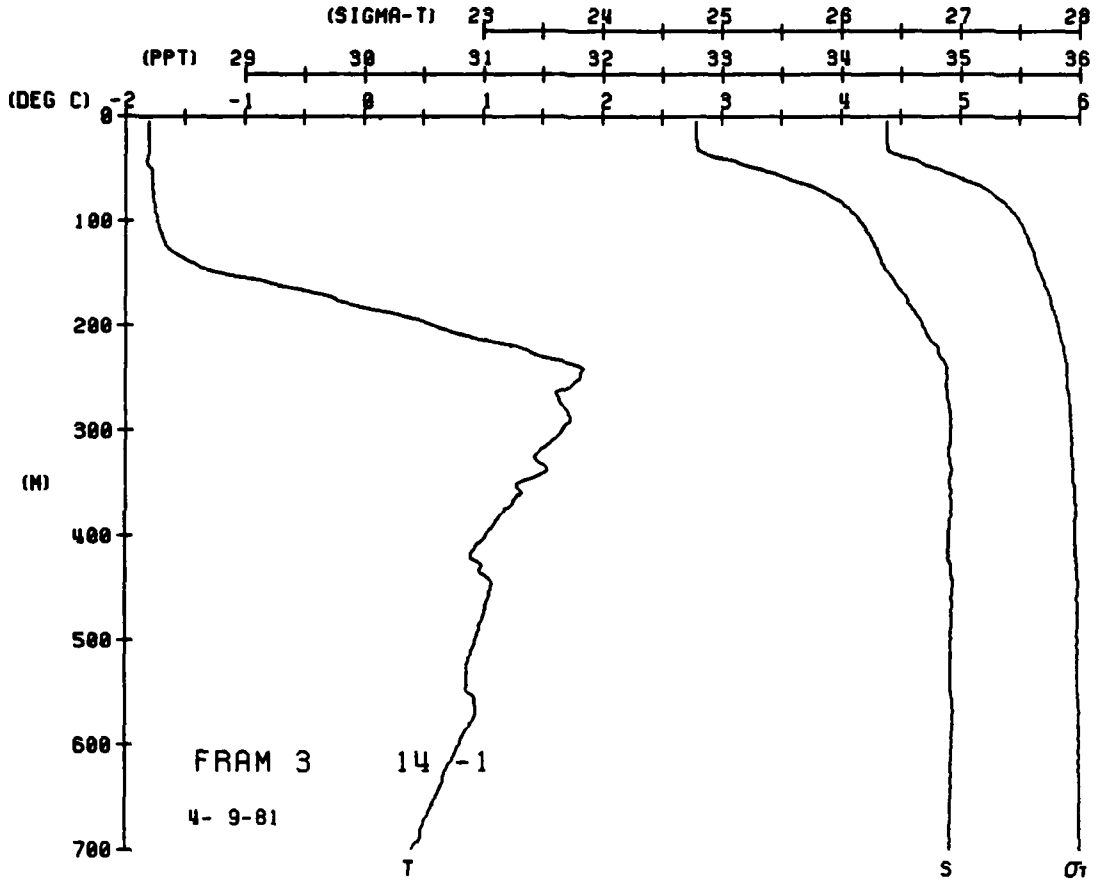
4- 9-81

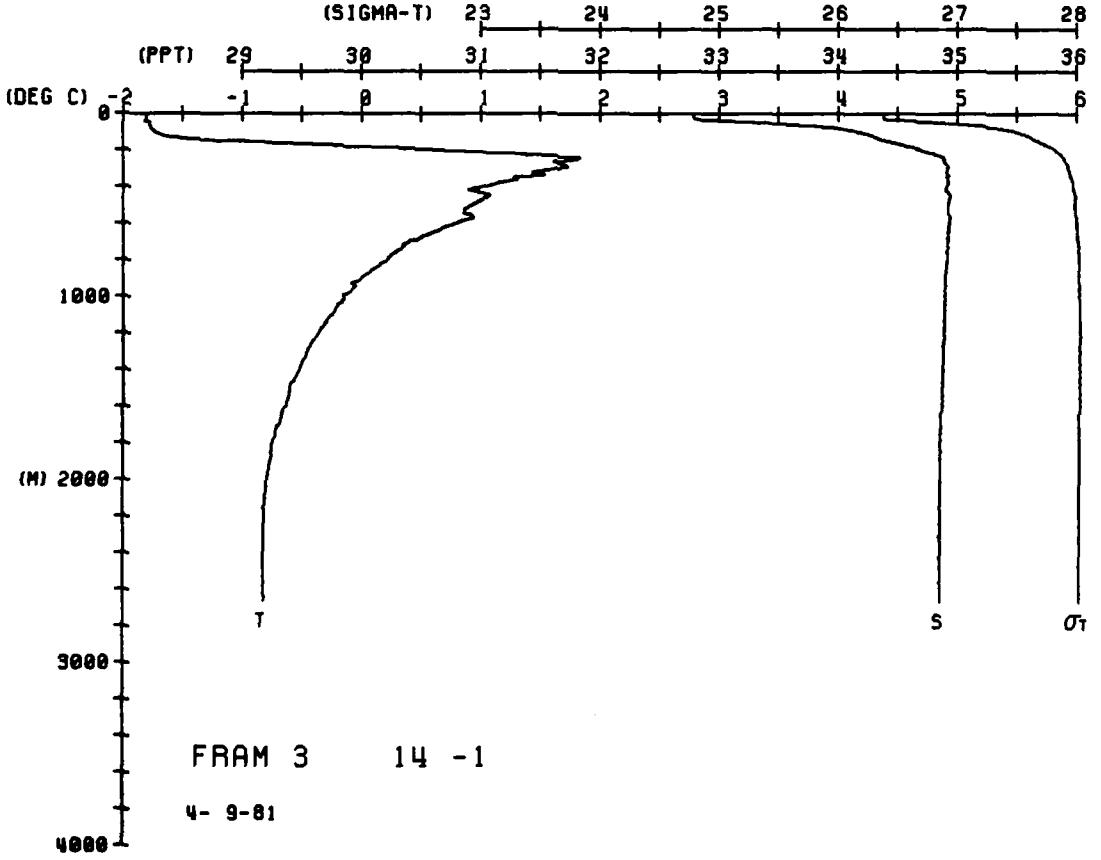
FRAM 3 STATION 15(1) CTD 9/APR/1981 2123 GMT CODE = 5
LAT = 83.2463N LNG = 9.1092E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.63	26.26	175.4	0.000	1437.7
4.0	-1.77	-1.78	32.63	26.26	175.3	0.007	1437.8
5.0	-1.78	-1.78	32.64	26.26	174.9	0.009	1437.8
10.0	-1.78	-1.79	32.65	26.27	174.3	0.018	1437.8
15.0	-1.79	-1.79	32.65	26.27	174.3	0.027	1437.9
20.0	-1.78	-1.79	32.66	26.28	173.4	0.035	1438.0
25.0	-1.79	-1.79	32.66	26.28	173.1	0.044	1438.1
30.0	-1.79	-1.79	32.67	26.29	172.3	0.053	1438.2
35.0	-1.79	-1.79	32.76	26.36	165.2	0.061	1438.4
40.0	-1.80	-1.80	32.94	26.50	151.6	0.069	1438.7
45.0	-1.80	-1.81	33.10	26.64	138.8	0.077	1439.0
50.0	-1.80	-1.80	33.21	26.73	130.1	0.083	1439.2
55.0	-1.79	-1.80	33.31	26.80	122.9	0.090	1439.5
60.0	-1.79	-1.79	33.40	26.88	115.6	0.096	1439.7
65.0	-1.78	-1.79	33.50	26.96	107.7	0.102	1440.0
70.0	-1.78	-1.78	33.63	27.06	98.3	0.107	1440.3
75.0	-1.77	-1.77	33.75	27.17	88.6	0.111	1440.5
80.0	-1.76	-1.76	33.83	27.23	82.2	0.116	1440.8
85.0	-1.74	-1.74	33.95	27.33	73.1	0.120	1441.2
90.0	-1.72	-1.72	34.02	27.38	67.9	0.123	1441.4
95.0	-1.72	-1.72	34.06	27.42	64.6	0.127	1441.6
100.0	-1.72	-1.72	34.10	27.45	61.5	0.130	1441.7
110.0	-1.61	-1.61	34.19	27.51	55.4	0.136	1442.5
120.0	-1.47	-1.47	34.26	27.57	50.4	0.141	1443.5
130.0	-1.37	-1.38	34.30	27.60	47.1	0.146	1444.1
140.0	-1.42	-1.42	34.34	27.63	44.3	0.151	1444.1
150.0	-1.36	-1.36	34.35	27.64	43.2	0.155	1444.6
160.0	-1.06	-1.06	34.39	27.66	41.8	0.159	1446.2
170.0	-0.70	-0.70	34.45	27.69	38.7	0.163	1448.1
180.0	-0.53	-0.54	34.49	27.72	36.3	0.167	1449.1
190.0	-0.29	-0.30	34.53	27.75	33.9	0.171	1450.5
200.0	0.04	0.03	34.59	27.77	31.8	0.174	1452.2
210.0	0.27	0.27	34.63	27.80	29.4	0.177	1453.5
220.0	0.56	0.55	34.69	27.82	27.2	0.180	1455.1
230.0	0.58	0.57	34.73	27.86	24.0	0.183	1455.4
240.0	0.60	0.59	34.73	27.85	24.1	0.185	1455.6
250.0	0.80	0.78	34.77	27.88	22.3	0.187	1456.7
260.0	1.02	1.01	34.82	27.90	19.9	0.190	1458.0
270.0	1.06	1.04	34.86	27.93	17.6	0.191	1458.4
280.0	1.04	1.03	34.87	27.94	16.3	0.193	1458.5
290.0	0.98	0.97	34.87	27.94	16.2	0.195	1458.4
300.0	1.05	1.03	34.88	27.94	16.2	0.196	1458.8
310.0	1.21	1.19	34.91	27.96	14.6	0.198	1459.8
320.0	1.18	1.16	34.94	27.98	12.6	0.199	1459.8
330.0	1.12	1.10	34.92	27.98	13.1	0.201	1459.7
340.0	1.08	1.06	34.93	27.98	12.7	0.202	1459.7
350.0	1.04	1.03	34.93	27.98	12.6	0.203	1459.7
360.0	1.01	1.00	34.92	27.98	13.2	0.205	1459.7
370.0	0.99	0.97	34.92	27.98	13.0	0.206	1459.8
380.0	1.03	1.01	34.93	27.99	12.2	0.207	1460.2
390.0	1.08	1.06	34.94	27.99	11.8	0.208	1460.5
400.0	1.11	1.09	34.94	27.99	11.8	0.210	1460.9
410.0	1.09	1.07	34.95	28.00	11.0	0.211	1461.0
420.0	1.05	1.02	34.95	28.00	11.2	0.212	1460.9
430.0	1.02	1.00	34.93	27.99	12.2	0.213	1461.0
440.0	1.00	0.98	34.94	28.00	11.3	0.214	1461.0
450.0	0.97	0.95	34.95	28.00	10.7	0.215	1461.1
460.0	0.96	0.94	34.95	28.01	10.7	0.216	1461.2
470.0	0.94	0.92	34.93	28.00	11.5	0.218	1461.3
480.0	0.92	0.89	34.94	28.00	11.0	0.219	1461.3
490.0	0.89	0.87	34.93	27.99	11.7	0.220	1461.4
492.1	0.89	0.87	34.92	27.99	11.9	0.220	1461.4

FRAM 3 STATION 16(1) CTD 10/APR/1981 1020 GMT CODE = 5
LAT = 83.2750N LNG = 8.6357E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

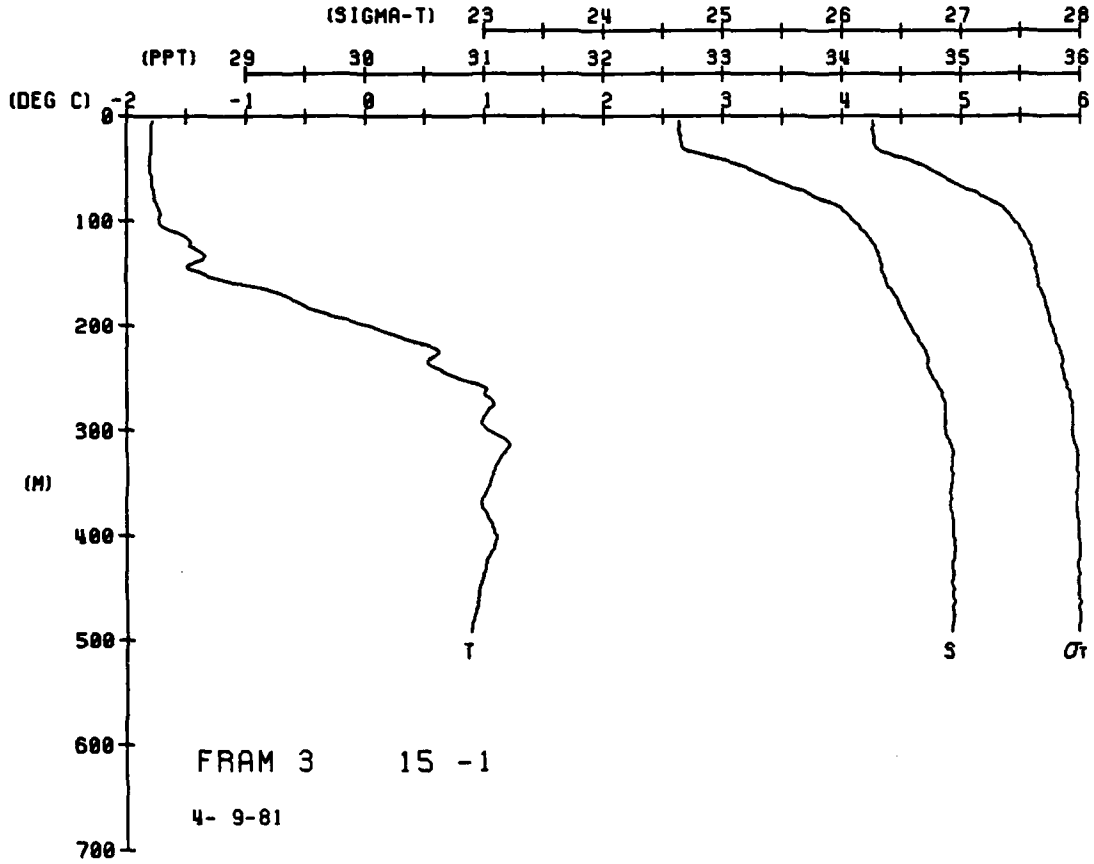
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.77	26.37	164.7	0.000	1437.9
4.0	-1.77	-1.78	32.77	26.37	164.6	0.007	1438.0
5.0	-1.78	-1.78	32.77	26.37	164.4	0.008	1438.0
10.0	-1.79	-1.79	32.78	26.37	164.1	0.017	1438.0
15.0	-1.79	-1.80	32.79	26.38	163.4	0.025	1438.1
20.0	-1.79	-1.80	32.78	26.37	164.0	0.033	1438.1
25.0	-1.79	-1.79	32.78	26.37	164.1	0.042	1438.2
30.0	-1.79	-1.80	32.78	26.38	163.7	0.050	1438.3
35.0	-1.79	-1.80	32.79	26.38	163.0	0.058	1438.4
40.0	-1.79	-1.80	32.83	26.42	159.6	0.066	1438.6
45.0	-1.80	-1.80	33.00	26.56	146.4	0.074	1438.8
50.0	-1.80	-1.81	33.16	26.69	134.0	0.081	1439.1
55.0	-1.79	-1.79	33.24	26.75	128.0	0.088	1439.4
60.0	-1.77	-1.77	33.38	26.87	116.9	0.094	1439.8
65.0	-1.76	-1.77	33.61	27.05	99.9	0.099	1440.2
70.0	-1.76	-1.76	33.72	27.14	91.0	0.104	1440.5
75.0	-1.75	-1.76	33.82	27.22	83.1	0.108	1440.7
80.0	-1.74	-1.74	33.92	27.30	75.6	0.113	1441.0
85.0	-1.73	-1.73	33.99	27.36	70.3	0.116	1441.3
90.0	-1.71	-1.71	34.04	27.40	66.7	0.120	1441.5
95.0	-1.67	-1.67	34.09	27.44	62.9	0.123	1441.8
100.0	-1.60	-1.61	34.15	27.48	58.7	0.126	1442.3
110.0	-1.50	-1.51	34.22	27.54	52.9	0.132	1443.1
120.0	-1.41	-1.42	34.27	27.58	49.4	0.137	1443.7
130.0	-1.48	-1.48	34.32	27.62	45.4	0.142	1443.6
140.0	-1.37	-1.38	34.35	27.64	43.8	0.146	1444.3
150.0	-1.17	-1.18	34.37	27.65	43.0	0.151	1445.5
160.0	-0.77	-0.78	34.44	27.69	38.5	0.155	1447.6
170.0	-0.55	-0.56	34.49	27.72	36.2	0.158	1448.9
180.0	-0.35	-0.36	34.53	27.74	34.3	0.162	1450.0
190.0	0.07	0.06	34.58	27.77	32.1	0.165	1452.2
200.0	0.51	0.50	34.66	27.80	29.1	0.168	1454.5
210.0	0.64	0.63	34.68	27.81	27.9	0.171	1455.3
220.0	0.82	0.81	34.73	27.84	25.2	0.174	1456.3
230.0	1.08	1.06	34.79	27.87	23.0	0.176	1457.7
240.0	1.38	1.37	34.81	27.86	23.8	0.179	1459.2
250.0	1.46	1.44	34.87	27.91	19.8	0.181	1459.8
260.0	1.46	1.45	34.87	27.91	19.7	0.183	1460.0
270.0	1.61	1.59	34.89	27.91	19.5	0.185	1460.8
280.0	1.54	1.52	34.89	27.92	18.8	0.187	1460.7
290.0	1.44	1.43	34.91	27.94	16.6	0.189	1460.5
300.0	1.31	1.29	34.90	27.95	16.3	0.190	1460.0
310.0	1.21	1.19	34.90	27.95	15.9	0.192	1459.8
320.0	1.11	1.09	34.88	27.94	16.5	0.194	1459.4
330.0	1.23	1.21	34.88	27.93	17.3	0.195	1460.1
340.0	1.20	1.18	34.92	27.97	14.3	0.197	1460.2
350.0	1.21	1.19	34.92	27.96	14.6	0.198	1460.5
360.0	1.24	1.22	34.93	27.98	13.4	0.200	1460.8
370.0	1.15	1.13	34.93	27.98	13.1	0.201	1460.5
380.0	1.10	1.08	34.93	27.98	12.7	0.203	1460.5
390.0	1.04	1.02	34.92	27.98	12.8	0.204	1460.4
400.0	0.99	0.97	34.91	27.98	13.3	0.205	1460.3
410.0	0.95	0.94	34.91	27.98	13.2	0.206	1460.3
420.0	0.95	0.93	34.91	27.97	13.6	0.208	1460.4
430.0	0.97	0.95	34.92	27.99	12.5	0.209	1460.7
440.0	1.11	1.09	34.94	27.99	12.0	0.210	1461.5
450.0	1.10	1.08	34.95	28.00	11.6	0.212	1461.7
460.0	1.06	1.03	34.94	27.99	12.0	0.213	1461.6
470.0	1.03	1.01	34.94	28.00	11.7	0.214	1461.7
480.0	1.01	0.99	34.94	28.00	11.8	0.215	1461.8
490.0	0.99	0.96	34.94	28.00	11.1	0.216	1461.8
494.1	0.98	0.95	34.94	28.00	11.5	0.217	1461.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
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500
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FRAM 3 14 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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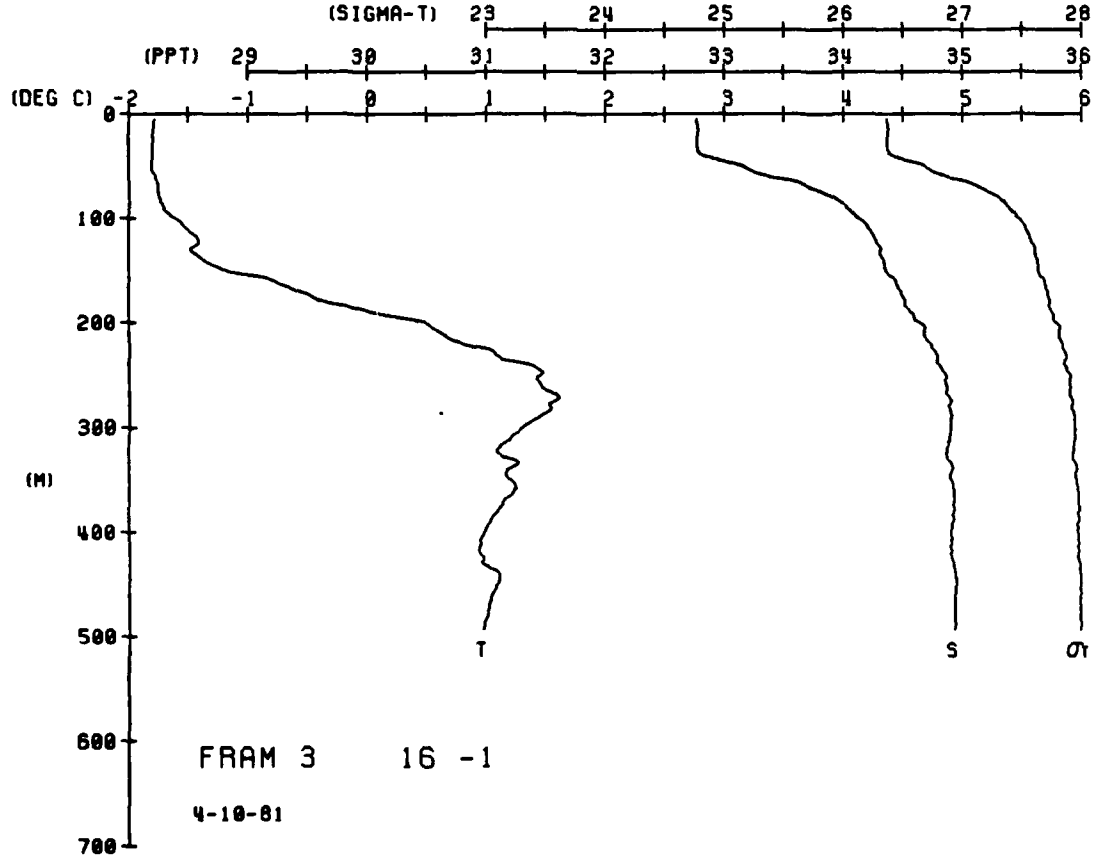
FRAM 3 STATION 17(1) CTD 10/APR/1981 1649 GMT CODE = 5
LAT = 83.2573N LNG = 8.4207E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.80	-1.80	32.80	26.39	162.5	0.000	1437.8
4.0	-1.80	-1.81	32.80	26.39	162.5	0.007	1437.9
5.0	-1.80	-1.81	32.80	26.39	162.6	0.008	1437.9
10.0	-1.80	-1.81	32.80	26.39	162.5	0.016	1438.0
15.0	-1.80	-1.81	32.80	26.39	162.2	0.025	1438.0
20.0	-1.80	-1.81	32.80	26.39	162.1	0.033	1438.1
25.0	-1.80	-1.81	32.80	26.40	161.9	0.041	1438.2
30.0	-1.80	-1.81	32.81	26.40	161.6	0.049	1438.3
35.0	-1.80	-1.81	32.89	26.46	155.5	0.057	1438.5
40.0	-1.80	-1.80	33.05	26.59	143.0	0.065	1438.8
45.0	-1.78	-1.78	33.22	26.74	129.4	0.072	1439.2
50.0	-1.77	-1.78	33.45	26.92	112.3	0.078	1439.7
55.0	-1.77	-1.77	33.63	27.07	98.2	0.083	1440.0
60.0	-1.77	-1.77	33.76	27.17	87.9	0.088	1440.3
65.0	-1.78	-1.78	33.85	27.24	81.3	0.092	1440.5
70.0	-1.77	-1.78	33.92	27.30	75.9	0.096	1440.7
75.0	-1.77	-1.77	33.98	27.35	71.0	0.100	1440.9
80.0	-1.76	-1.76	34.04	27.40	66.4	0.103	1441.1
85.0	-1.75	-1.75	34.08	27.43	63.1	0.106	1441.3
90.0	-1.73	-1.73	34.12	27.47	60.0	0.110	1441.5
95.0	-1.71	-1.71	34.16	27.49	57.4	0.113	1441.7
100.0	-1.67	-1.67	34.20	27.52	54.6	0.115	1442.1
110.0	-1.74	-1.75	34.24	27.56	51.0	0.121	1441.9
120.0	-1.45	-1.45	34.29	27.59	47.8	0.126	1443.6
130.0	-1.44	-1.45	34.33	27.63	44.6	0.130	1443.8
140.0	-1.21	-1.21	34.40	27.67	40.3	0.135	1445.2
150.0	-0.91	-0.91	34.44	27.69	38.5	0.139	1446.8
160.0	-0.64	-0.64	34.49	27.72	35.9	0.142	1448.3
170.0	-0.20	-0.20	34.56	27.76	32.5	0.146	1450.6
180.0	0.26	0.25	34.64	27.80	28.9	0.149	1453.0
190.0	0.74	0.73	34.71	27.83	26.2	0.152	1455.4
200.0	1.22	1.21	34.77	27.85	25.1	0.154	1457.8
210.0	1.61	1.60	34.83	27.87	23.5	0.157	1459.8
220.0	1.88	1.87	34.87	27.88	22.5	0.159	1461.2
230.0	1.93	1.92	34.89	27.89	21.4	0.161	1461.6
240.0	2.02	2.01	34.92	27.90	20.5	0.164	1462.2
250.0	1.98	1.97	34.91	27.90	20.4	0.166	1462.2
260.0	2.02	2.01	34.92	27.91	20.0	0.168	1462.6
270.0	2.02	2.00	34.93	27.91	19.7	0.170	1462.7
280.0	1.92	1.90	34.92	27.92	19.4	0.172	1462.4
290.0	1.91	1.89	34.93	27.92	19.0	0.174	1462.6
300.0	1.89	1.88	34.93	27.93	18.4	0.175	1462.7
310.0	1.84	1.83	34.93	27.93	18.2	0.177	1462.6
320.0	1.79	1.77	34.93	27.93	17.8	0.179	1462.5
330.0	1.72	1.70	34.93	27.94	17.4	0.181	1462.4
340.0	1.64	1.62	34.93	27.94	17.0	0.183	1462.2
350.0	1.63	1.62	34.93	27.94	16.7	0.184	1462.4
360.0	1.58	1.56	34.93	27.95	16.5	0.186	1462.3
370.0	1.56	1.54	34.93	27.95	15.9	0.188	1462.4
380.0	1.48	1.46	34.93	27.96	15.3	0.189	1462.2
390.0	1.51	1.49	34.94	27.96	15.2	0.191	1462.5
400.0	1.43	1.41	34.94	27.96	14.9	0.192	1462.3
410.0	1.31	1.29	34.92	27.96	15.0	0.194	1461.9
420.0	1.26	1.24	34.92	27.97	14.6	0.195	1461.8
430.0	1.22	1.20	34.93	27.97	14.1	0.197	1461.8
440.0	1.16	1.14	34.92	27.97	13.8	0.198	1461.7
450.0	1.11	1.08	34.92	27.97	13.8	0.200	1461.6
460.0	1.06	1.04	34.92	27.98	13.4	0.201	1461.6
470.0	1.06	1.04	34.93	27.98	12.9	0.202	1461.8
480.0	1.05	1.03	34.93	27.99	12.5	0.204	1461.9
490.0	1.03	1.00	34.93	27.99	12.7	0.205	1462.0
500.0	1.07	1.05	34.94	27.99	12.3	0.206	1462.3
530.0	0.97	0.94	34.93	27.99	12.0	0.210	1462.4
560.0	0.92	0.89	34.93	27.99	12.0	0.213	1462.6
590.0	0.88	0.85	34.94	28.01	10.8	0.217	1463.0
620.0	0.82	0.79	34.94	28.01	10.7	0.220	1463.2
650.0	0.70	0.67	34.93	28.01	10.4	0.223	1463.2
680.0	0.62	0.59	34.93	28.01	10.0	0.227	1463.3
710.0	0.52	0.49	34.93	28.02	9.4	0.229	1463.4
740.0	0.41	0.38	34.92	28.02	8.8	0.232	1463.4
790.0	0.27	0.24	34.92	28.02	8.2	0.237	1463.6
840.0	0.17	0.13	34.92	28.03	7.4	0.241	1463.9
890.0	0.04	-0.01	34.91	28.03	7.3	0.244	1464.2
940.0	-0.05	-0.09	34.90	28.03	7.0	0.248	1464.6
990.0	-0.11	-0.15	34.90	28.03	6.4	0.251	1465.2
1040.0	-0.15	-0.20	34.90	28.04	6.1	0.254	1465.8
1090.0	-0.22	-0.27	34.90	28.04	5.7	0.257	1466.3
1140.0	-0.28	-0.33	34.90	28.04	5.5	0.260	1466.9
1190.0	-0.34	-0.39	34.90	28.04	5.1	0.263	1467.5
1240.0	-0.39	-0.44	34.89	28.04	4.8	0.265	1468.1
1290.0	-0.43	-0.48	34.89	28.04	4.5	0.268	1468.8
1340.0	-0.47	-0.53	34.89	28.04	4.3	0.270	1469.4
1390.0	-0.50	-0.56	34.89	28.04	4.2	0.272	1470.1
1440.0	-0.54	-0.60	34.89	28.04	3.9	0.274	1470.8
1462.9	-0.56	-0.62	34.88	28.04	3.8	0.275	1471.1



FRAM 3 15 -1

4- 9-81

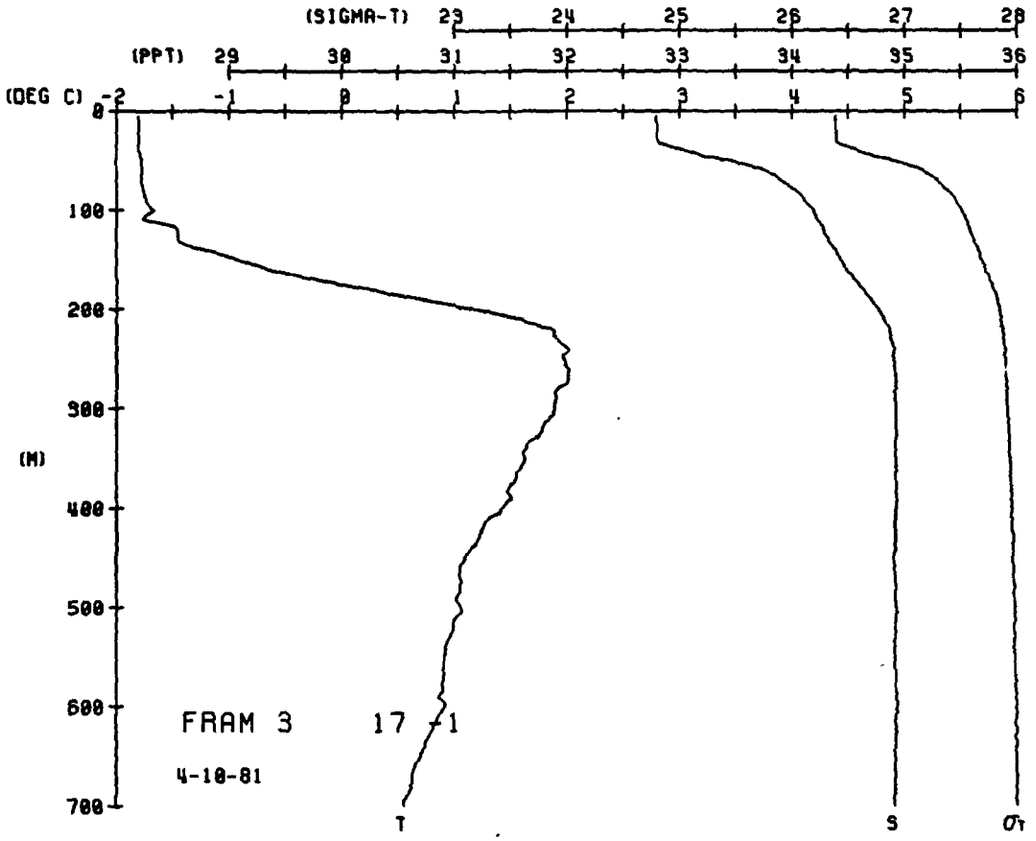


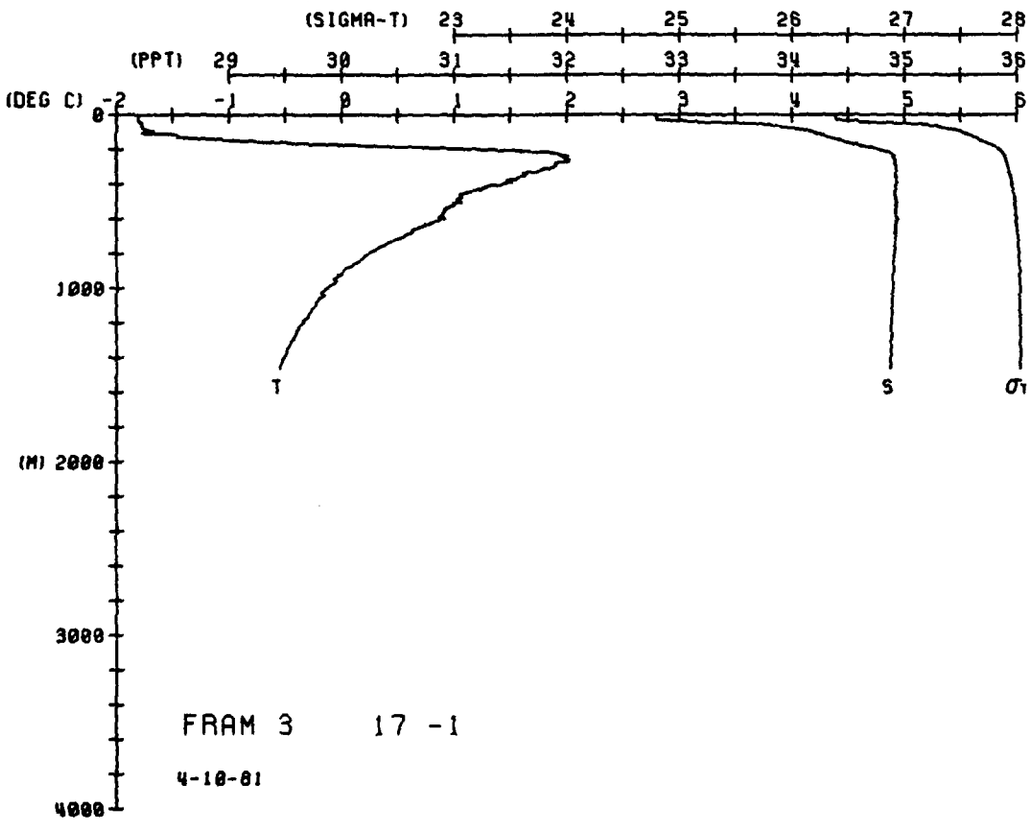
FRAM 3 16 -1

4-10-81

FRAM 3 STATION 18(1) CTD 10/APR/1981 2055 GMT CODE = 5
LAT = 83.2463N LNG = 8.3493E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

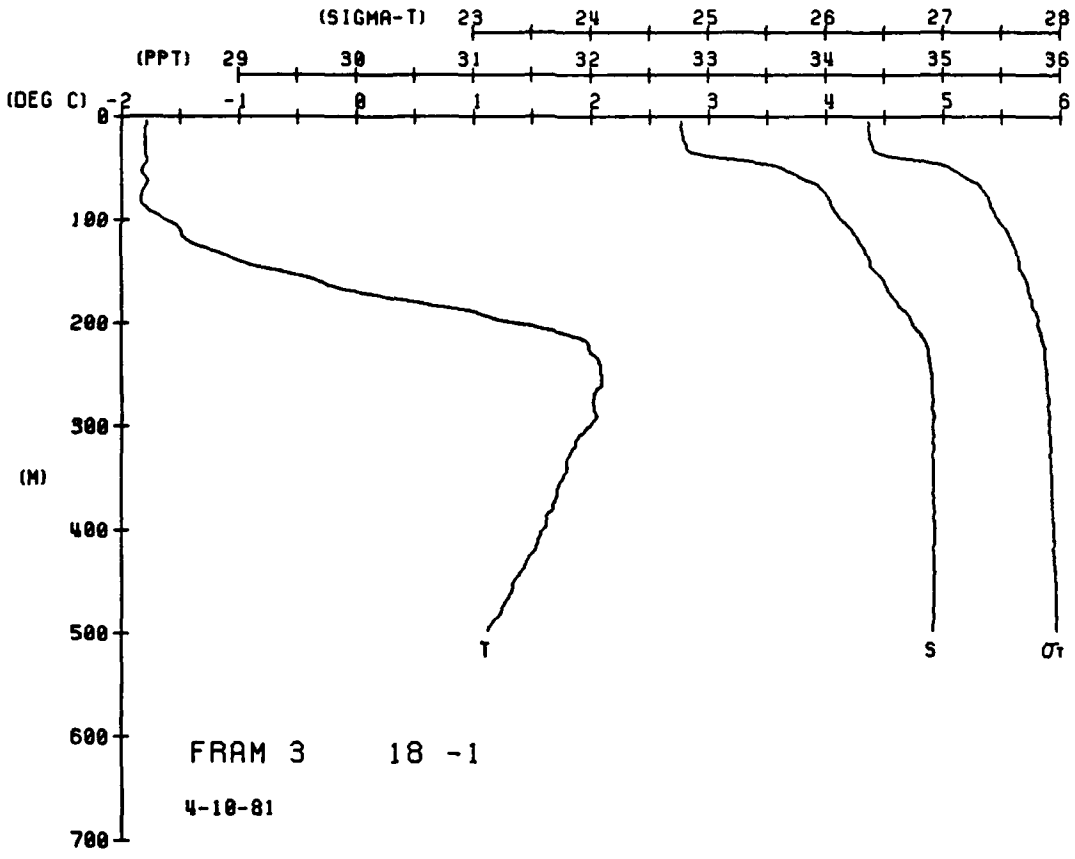
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.78	-1.78	32.76	26.36	165.6	0.000	1437.9
4.0	-1.78	-1.78	32.76	26.36	165.6	0.007	1437.9
5.0	-1.78	-1.79	32.76	26.36	165.2	0.008	1437.9
10.0	-1.79	-1.80	32.77	26.37	164.6	0.017	1438.0
15.0	-1.79	-1.80	32.78	26.37	164.1	0.025	1438.1
20.0	-1.79	-1.80	32.78	26.38	163.6	0.033	1438.2
25.0	-1.79	-1.80	32.80	26.39	162.3	0.042	1438.3
30.0	-1.79	-1.80	32.82	26.41	160.8	0.050	1438.4
35.0	-1.79	-1.80	32.85	26.43	158.4	0.058	1438.5
40.0	-1.78	-1.78	33.08	26.62	140.4	0.065	1439.0
45.0	-1.79	-1.79	33.45	26.92	111.8	0.072	1439.5
50.0	-1.82	-1.82	33.63	27.07	98.1	0.077	1439.7
55.0	-1.82	-1.82	33.72	27.14	91.1	0.082	1440.0
60.0	-1.78	-1.78	33.80	27.20	85.0	0.086	1440.3
65.0	-1.78	-1.78	33.91	27.29	76.6	0.090	1440.5
70.0	-1.81	-1.81	33.96	27.34	72.4	0.094	1440.6
75.0	-1.83	-1.83	34.00	27.37	69.5	0.098	1440.6
80.0	-1.84	-1.84	34.03	27.39	67.0	0.101	1440.7
85.0	-1.82	-1.82	34.04	27.40	66.1	0.104	1440.9
90.0	-1.77	-1.77	34.07	27.43	63.7	0.108	1441.3
95.0	-1.69	-1.70	34.10	27.44	62.2	0.111	1441.7
100.0	-1.62	-1.63	34.14	27.47	59.3	0.114	1442.2
110.0	-1.49	-1.49	34.24	27.55	51.7	0.120	1443.2
120.0	-1.42	-1.43	34.29	27.60	47.8	0.125	1443.7
130.0	-1.20	-1.20	34.35	27.63	44.4	0.129	1445.0
140.0	-0.99	-0.99	34.39	27.65	42.2	0.134	1446.2
150.0	-0.63	-0.63	34.43	27.68	40.1	0.138	1448.1
160.0	-0.30	-0.30	34.50	27.72	36.3	0.142	1449.9
170.0	0.02	0.01	34.54	27.74	34.9	0.145	1451.6
180.0	0.51	0.50	34.62	27.77	32.3	0.149	1454.1
190.0	1.04	1.03	34.69	27.80	29.8	0.152	1456.7
200.0	1.38	1.37	34.74	27.81	28.8	0.155	1458.5
210.0	1.77	1.76	34.81	27.84	26.2	0.158	1460.5
220.0	1.98	1.97	34.86	27.86	24.2	0.160	1461.6
230.0	2.02	2.01	34.88	27.87	23.3	0.163	1462.0
240.0	2.08	2.07	34.89	27.88	22.8	0.165	1462.5
250.0	2.09	2.08	34.91	27.89	21.7	0.167	1462.7
260.0	2.10	2.08	34.91	27.89	21.7	0.169	1462.9
270.0	2.03	2.01	34.91	27.90	21.3	0.172	1462.7
280.0	2.03	2.01	34.91	27.90	21.3	0.174	1462.9
290.0	2.05	2.03	34.93	27.91	20.3	0.176	1463.2
300.0	1.99	1.97	34.92	27.91	20.3	0.178	1463.1
310.0	1.90	1.88	34.92	27.92	19.5	0.180	1462.8
320.0	1.86	1.84	34.93	27.92	18.8	0.182	1462.8
330.0	1.81	1.79	34.92	27.92	18.8	0.184	1462.8
340.0	1.80	1.79	34.92	27.93	18.5	0.186	1462.9
350.0	1.76	1.75	34.92	27.93	18.2	0.187	1462.9
360.0	1.72	1.70	34.92	27.93	18.1	0.189	1462.9
370.0	1.70	1.68	34.93	27.94	17.4	0.191	1463.0
380.0	1.68	1.66	34.93	27.94	17.4	0.193	1463.1
390.0	1.62	1.60	34.92	27.94	17.5	0.195	1462.9
400.0	1.60	1.58	34.94	27.95	16.3	0.196	1463.0
410.0	1.56	1.53	34.94	27.95	16.0	0.198	1463.0
420.0	1.52	1.50	34.92	27.95	16.6	0.200	1463.0
430.0	1.45	1.43	34.93	27.95	16.0	0.201	1462.9
440.0	1.41	1.38	34.93	27.96	15.2	0.203	1462.8
450.0	1.35	1.32	34.92	27.96	15.3	0.204	1462.7
460.0	1.32	1.30	34.93	27.96	15.0	0.206	1462.8
470.0	1.27	1.25	34.92	27.97	14.8	0.207	1462.7
480.0	1.24	1.21	34.92	27.96	14.9	0.209	1462.7
490.0	1.16	1.14	34.92	27.97	14.3	0.210	1462.6
498.0	1.13	1.10	34.92	27.97	14.3	0.212	1462.5


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
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FRAM 3 17 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 STATION 19(1) CTD 11/APR/1981 815 GMT CODE = 5
LAT = 83.2047N LNG = 8.1807E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	32.81	26.40	161.7	0.000	1437.9
4.0	-1.78	-1.78	32.81	26.40	161.7	0.006	1438.0
5.0	-1.79	-1.79	32.82	26.41	161.1	0.008	1438.0
10.0	-1.80	-1.81	32.82	26.41	160.6	0.016	1438.0
15.0	-1.80	-1.81	32.84	26.42	159.6	0.024	1438.1
20.0	-1.81	-1.81	32.89	26.47	155.1	0.032	1438.3
25.0	-1.81	-1.81	32.95	26.51	151.0	0.040	1438.4
30.0	-1.80	-1.81	32.96	26.53	149.6	0.048	1438.5
35.0	-1.80	-1.80	33.08	26.62	140.5	0.055	1438.8
40.0	-1.78	-1.79	33.30	26.85	119.0	0.062	1439.3
45.0	-1.78	-1.78	33.67	27.10	94.8	0.067	1439.9
50.0	-1.77	-1.78	33.82	27.22	83.5	0.071	1440.2
55.0	-1.76	-1.77	33.89	27.28	78.1	0.076	1440.4
60.0	-1.75	-1.75	33.97	27.34	72.2	0.079	1440.7
65.0	-1.73	-1.73	34.04	27.39	66.9	0.083	1441.0
70.0	-1.72	-1.72	34.08	27.43	63.3	0.086	1441.2
75.0	-1.70	-1.70	34.11	27.46	61.0	0.089	1441.4
80.0	-1.63	-1.63	34.16	27.49	57.9	0.092	1441.9
85.0	-1.56	-1.56	34.19	27.52	55.1	0.095	1442.4
90.0	-1.52	-1.52	34.24	27.55	51.9	0.098	1442.7
95.0	-1.48	-1.48	34.28	27.58	49.1	0.100	1443.0
100.0	-1.48	-1.48	34.30	27.61	46.8	0.103	1443.1
110.0	-1.38	-1.39	34.35	27.64	43.6	0.107	1443.8
120.0	-1.03	-1.04	34.42	27.68	39.8	0.112	1445.7
130.0	-0.45	-0.46	34.51	27.73	35.1	0.115	1448.7
140.0	0.05	0.05	34.59	27.77	31.5	0.119	1451.3
150.0	0.73	0.72	34.70	27.82	27.4	0.122	1454.7
160.0	1.32	1.31	34.78	27.85	24.8	0.124	1457.6
170.0	1.92	1.91	34.86	27.87	23.3	0.127	1460.5
180.0	2.09	2.08	34.88	27.87	23.4	0.129	1461.5
190.0	2.26	2.25	34.91	27.88	22.4	0.132	1462.4
200.0	2.39	2.37	34.93	27.88	22.3	0.134	1463.2
210.0	2.38	2.36	34.93	27.89	22.1	0.136	1463.3
220.0	2.38	2.37	34.94	27.89	21.4	0.138	1463.5
230.0	2.34	2.32	34.94	27.90	21.2	0.140	1463.5
240.0	2.33	2.31	34.94	27.90	20.9	0.143	1463.6
250.0	2.37	2.35	34.95	27.91	20.6	0.145	1463.9
260.0	2.33	2.31	34.95	27.90	20.6	0.147	1463.9
270.0	2.27	2.25	34.95	27.91	20.0	0.149	1463.8
280.0	2.21	2.20	34.95	27.91	20.0	0.151	1463.8
290.0	2.21	2.20	34.95	27.91	19.8	0.153	1463.9
300.0	2.18	2.16	34.95	27.92	19.6	0.155	1464.0
310.0	2.12	2.10	34.95	27.92	19.1	0.157	1463.8
320.0	2.12	2.10	34.95	27.92	19.1	0.159	1464.0
330.0	2.13	2.12	34.95	27.92	19.0	0.161	1464.3
340.0	2.09	2.07	34.95	27.92	19.0	0.163	1464.2
350.0	2.02	2.00	34.95	27.93	18.7	0.164	1464.1
360.0	1.98	1.96	34.94	27.93	18.8	0.166	1464.1
370.0	1.96	1.93	34.95	27.93	18.2	0.168	1464.1
380.0	1.95	1.92	34.95	27.93	18.1	0.170	1464.2
390.0	1.93	1.91	34.95	27.94	18.0	0.172	1464.3
400.0	1.91	1.89	34.95	27.94	18.1	0.174	1464.4
410.0	1.89	1.87	34.95	27.94	17.9	0.176	1464.5
420.0	1.90	1.88	34.95	27.94	18.0	0.177	1464.7
430.0	1.90	1.88	34.95	27.94	17.6	0.179	1464.9
440.0	1.91	1.89	34.96	27.94	17.5	0.181	1465.1
450.0	1.87	1.85	34.95	27.94	17.6	0.183	1465.1
460.0	1.78	1.76	34.94	27.94	17.4	0.184	1464.9
470.0	1.73	1.70	34.94	27.94	17.4	0.186	1464.8
480.0	1.64	1.62	34.94	27.95	17.0	0.188	1464.6
490.0	1.60	1.57	34.93	27.95	17.0	0.190	1464.5
500.0	1.54	1.51	34.93	27.95	16.8	0.191	1464.4
530.0	1.46	1.43	34.93	27.96	15.9	0.196	1464.6
560.0	1.21	1.18	34.92	27.97	15.0	0.201	1463.9
590.0	1.08	1.04	34.91	27.97	14.5	0.206	1463.8
620.0	1.04	1.01	34.92	27.98	13.7	0.210	1464.2
650.0	0.95	0.92	34.92	27.98	13.2	0.214	1464.3
680.0	0.92	0.89	34.93	27.99	12.3	0.218	1464.7
710.0	0.83	0.79	34.92	27.99	12.0	0.222	1464.8
740.0	0.70	0.67	34.92	28.00	11.1	0.225	1464.7
790.0	0.53	0.50	34.92	28.01	10.3	0.230	1464.8
840.0	0.38	0.34	34.91	28.01	9.5	0.236	1464.9
890.0	0.23	0.19	34.91	28.02	8.8	0.240	1465.0
940.0	0.10	0.06	34.90	28.02	8.0	0.244	1465.3
990.0	-0.01	-0.06	34.90	28.02	7.7	0.248	1465.6
1040.0	-0.08	-0.13	34.90	28.03	7.0	0.252	1466.1
1090.0	-0.17	-0.22	34.90	28.03	6.5	0.256	1466.6
1140.0	-0.23	-0.28	34.89	28.03	6.2	0.259	1467.1
1190.0	-0.29	-0.34	34.89	28.04	5.5	0.262	1467.7
1240.0	-0.32	-0.38	34.89	28.03	5.9	0.265	1468.4
1290.0	-0.38	-0.44	34.89	28.04	5.2	0.268	1469.0
1340.0	-0.44	-0.51	34.88	28.03	5.0	0.270	1469.5
1390.0	-0.49	-0.55	34.88	28.04	4.6	0.273	1470.2
1440.0	-0.53	-0.60	34.88	28.04	4.2	0.275	1470.8
1462.9	-0.55	-0.61	34.88	28.04	4.1	0.276	1471.2

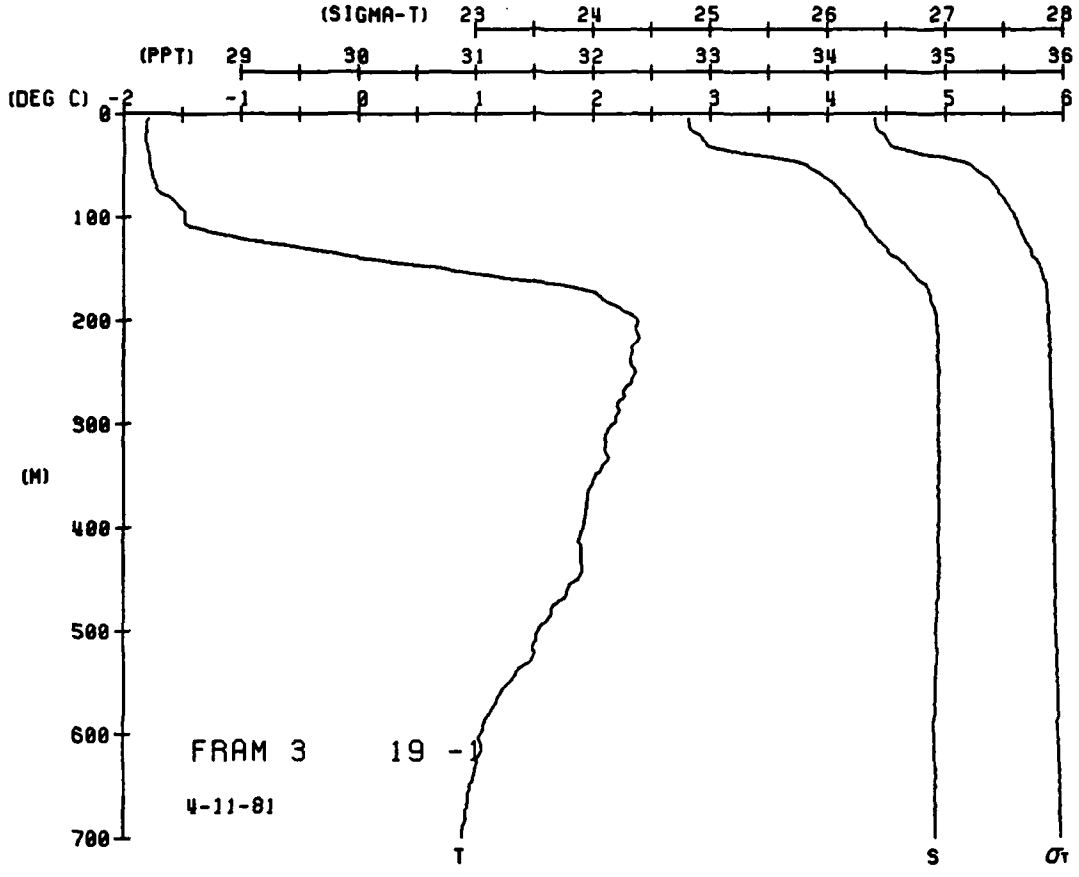


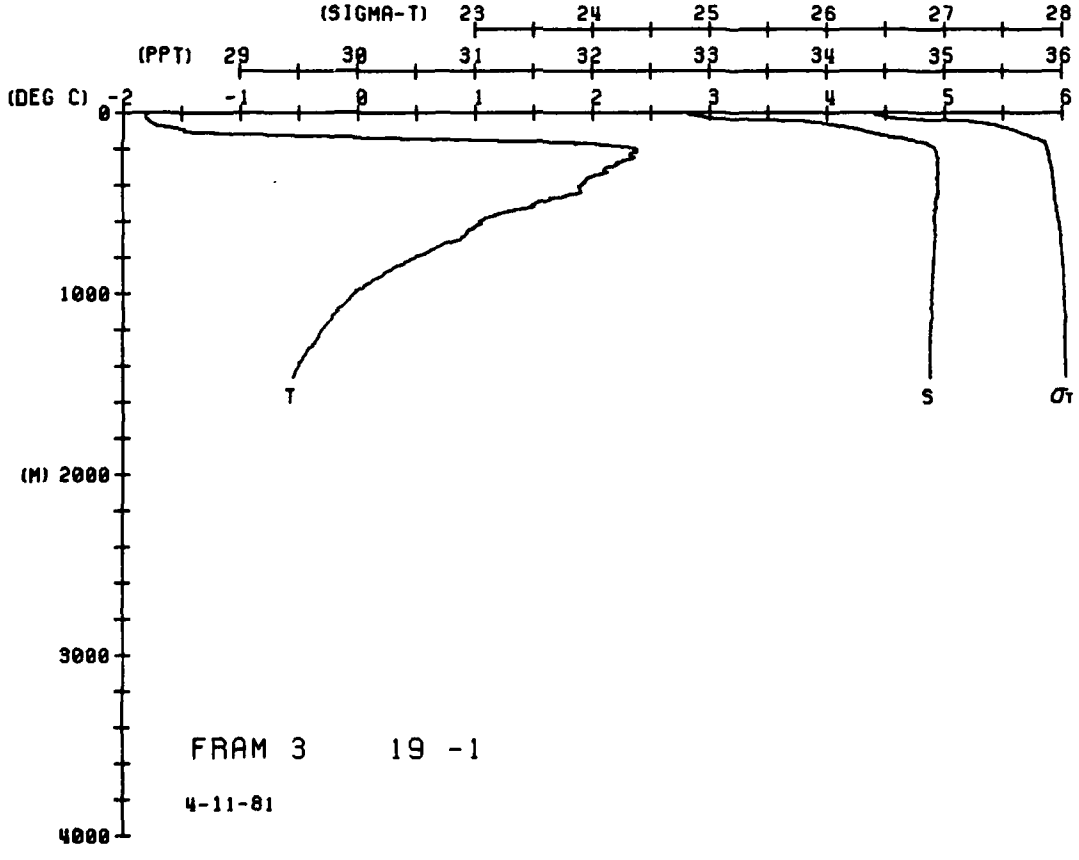
FRAM 3 18 -1

4-10-81

FRAM 3 STATION 20(1) CTD 11/APR/1981 1500 GMT CODE = 5
LAT = 83.1753N LNG = 8.0275E LTER = 30. UGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

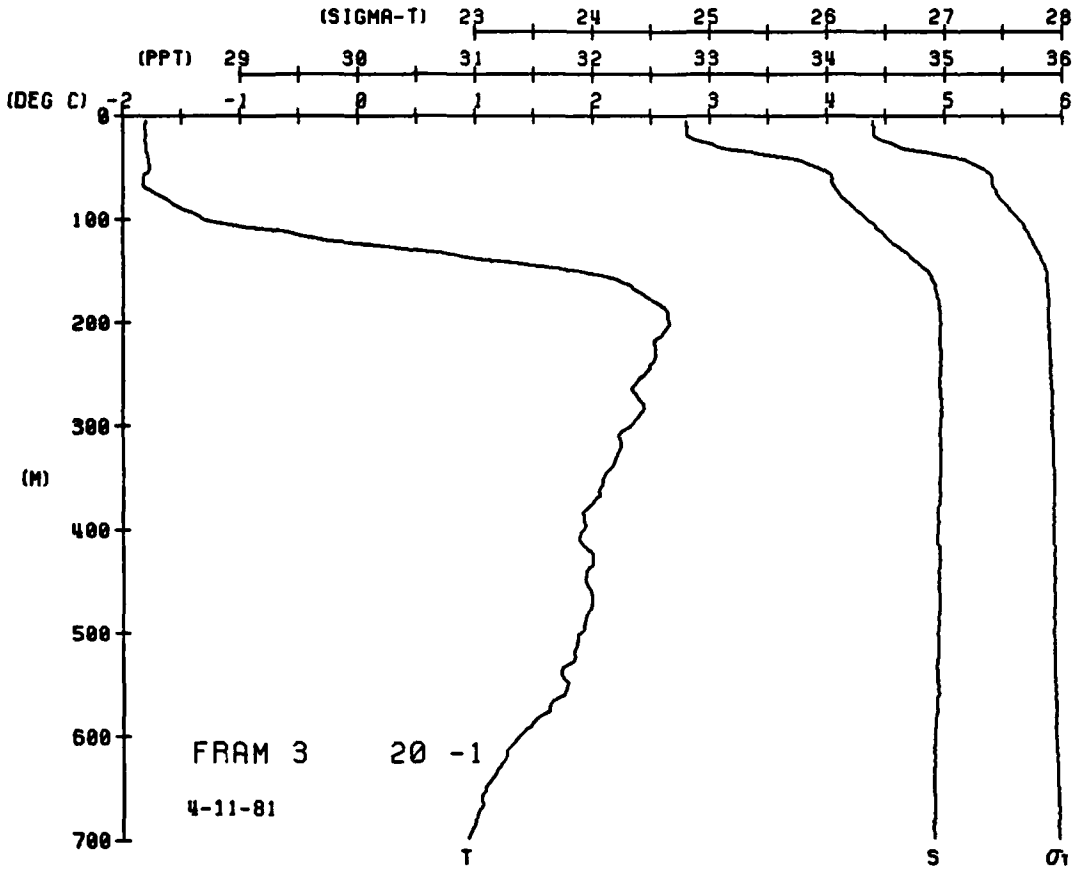
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	32.80	26.39	162.4	0.000	1437.8
4.0	-1.80	-1.81	32.80	26.39	162.4	0.007	1437.9
5.0	-1.80	-1.81	32.80	26.39	162.4	0.008	1437.9
10.0	-1.81	-1.81	32.80	26.39	162.2	0.016	1437.9
15.0	-1.80	-1.81	32.81	26.40	161.7	0.025	1438.1
20.0	-1.80	-1.81	32.82	26.41	160.8	0.033	1438.2
25.0	-1.80	-1.81	32.94	26.50	151.6	0.041	1438.4
30.0	-1.80	-1.80	33.07	26.61	141.1	0.048	1438.7
35.0	-1.80	-1.80	33.31	26.80	123.1	0.055	1439.1
40.0	-1.78	-1.79	33.62	27.06	98.6	0.060	1439.7
45.0	-1.78	-1.78	33.82	27.22	83.4	0.065	1440.1
50.0	-1.77	-1.77	33.92	27.30	75.8	0.069	1440.4
55.0	-1.79	-1.79	34.01	27.38	68.6	0.073	1440.5
60.0	-1.83	-1.83	34.05	27.41	65.8	0.076	1440.4
65.0	-1.83	-1.83	34.05	27.41	65.7	0.079	1440.5
70.0	-1.80	-1.80	34.07	27.43	63.7	0.083	1440.8
75.0	-1.72	-1.72	34.10	27.45	61.9	0.086	1441.3
80.0	-1.64	-1.64	34.14	27.48	59.1	0.089	1441.8
85.0	-1.57	-1.57	34.19	27.52	55.1	0.092	1442.3
90.0	-1.49	-1.49	34.24	27.56	51.6	0.094	1442.8
95.0	-1.37	-1.38	34.31	27.60	47.1	0.097	1443.5
100.0	-1.30	-1.30	34.35	27.64	44.1	0.099	1444.0
110.0	-0.74	-0.74	34.44	27.69	39.2	0.103	1446.9
120.0	-0.28	-0.28	34.54	27.75	33.9	0.107	1449.4
130.0	0.51	0.51	34.66	27.80	29.1	0.110	1453.3
140.0	1.14	1.13	34.75	27.83	26.3	0.113	1456.4
150.0	1.85	1.84	34.86	27.87	23.1	0.116	1459.9
160.0	2.23	2.23	34.90	27.87	23.0	0.118	1461.8
170.0	2.39	2.38	34.92	27.88	22.5	0.120	1462.7
180.0	2.54	2.52	34.95	27.89	22.0	0.122	1463.5
190.0	2.65	2.64	34.96	27.89	22.2	0.125	1464.2
200.0	2.66	2.65	34.97	27.89	21.5	0.127	1464.4
210.0	2.61	2.60	34.97	27.90	21.4	0.129	1464.3
220.0	2.53	2.52	34.96	27.90	21.3	0.131	1464.2
230.0	2.54	2.53	34.97	27.90	20.8	0.133	1464.4
240.0	2.50	2.49	34.97	27.91	20.6	0.135	1464.4
250.0	2.45	2.43	34.96	27.90	20.6	0.138	1464.3
260.0	2.36	2.34	34.96	27.91	20.1	0.140	1464.1
270.0	2.38	2.36	34.97	27.91	19.8	0.142	1464.3
280.0	2.44	2.42	34.98	27.92	19.8	0.144	1464.8
290.0	2.40	2.39	34.98	27.92	19.3	0.146	1464.8
300.0	2.33	2.31	34.97	27.92	19.4	0.148	1464.6
310.0	2.23	2.21	34.97	27.93	18.8	0.150	1464.4
320.0	2.24	2.22	34.97	27.93	19.0	0.151	1464.6
330.0	2.20	2.18	34.97	27.93	18.7	0.153	1464.6
340.0	2.16	2.14	34.96	27.93	18.6	0.155	1464.5
350.0	2.09	2.07	34.96	27.93	18.3	0.157	1464.4
360.0	2.06	2.04	34.96	27.93	18.2	0.159	1464.4
370.0	2.03	2.01	34.96	27.94	18.0	0.161	1464.5
380.0	1.95	1.93	34.94	27.93	18.7	0.163	1464.3
390.0	1.93	1.91	34.95	27.94	17.9	0.164	1464.4
400.0	1.93	1.90	34.95	27.93	18.2	0.166	1464.5
410.0	1.90	1.88	34.94	27.93	18.5	0.168	1464.5
420.0	1.97	1.95	34.96	27.94	18.0	0.170	1465.0
430.0	2.00	1.98	34.96	27.94	18.0	0.172	1465.3
440.0	1.95	1.92	34.95	27.94	18.0	0.174	1465.2
450.0	1.95	1.92	34.95	27.94	18.4	0.176	1465.4
460.0	1.99	1.96	34.96	27.94	18.2	0.177	1465.8
470.0	2.00	1.97	34.96	27.94	18.1	0.179	1466.0
480.0	1.97	1.94	34.95	27.94	18.5	0.181	1466.0
490.0	1.94	1.91	34.95	27.94	18.3	0.183	1466.1
500.0	1.90	1.87	34.94	27.93	18.6	0.185	1466.0
530.0	1.79	1.76	34.94	27.94	18.2	0.190	1466.0
560.0	1.75	1.72	34.94	27.95	17.6	0.196	1466.4
590.0	1.47	1.44	34.93	27.95	16.7	0.201	1465.6
620.0	1.26	1.23	34.92	27.96	15.8	0.206	1465.2
650.0	1.09	1.06	34.91	27.97	14.7	0.211	1464.9
680.0	1.01	0.98	34.92	27.98	14.0	0.215	1465.1
710.0	0.93	0.89	34.92	27.98	13.2	0.219	1465.2
740.0	0.85	0.82	34.92	27.99	12.6	0.223	1465.4
790.0	0.65	0.61	34.91	28.00	11.3	0.229	1465.3
840.0	0.49	0.45	34.91	28.01	10.3	0.235	1465.4
890.0	0.32	0.27	34.91	28.01	9.4	0.240	1465.4
940.0	0.19	0.14	34.90	28.02	8.9	0.244	1465.7
990.0	0.06	0.01	34.90	28.02	8.0	0.249	1465.9
1040.0	-0.05	-0.09	34.90	28.02	7.5	0.252	1466.3
1090.0	-0.14	-0.19	34.89	28.03	6.8	0.256	1466.7
1140.0	-0.21	-0.26	34.89	28.03	6.3	0.259	1467.2
1190.0	-0.28	-0.33	34.89	28.03	5.8	0.263	1467.8
1240.0	-0.33	-0.39	34.89	28.04	5.2	0.265	1468.4
1290.0	-0.38	-0.44	34.89	28.04	4.9	0.268	1469.0
1340.0	-0.44	-0.51	34.89	28.04	4.2	0.270	1469.5
1390.0	-0.49	-0.55	34.90	28.05	3.7	0.272	1470.2
1440.0	-0.54	-0.60	34.90	28.05	3.0	0.274	1470.8
1459.0	-0.56	-0.62	34.90	28.05	2.9	0.274	1471.1

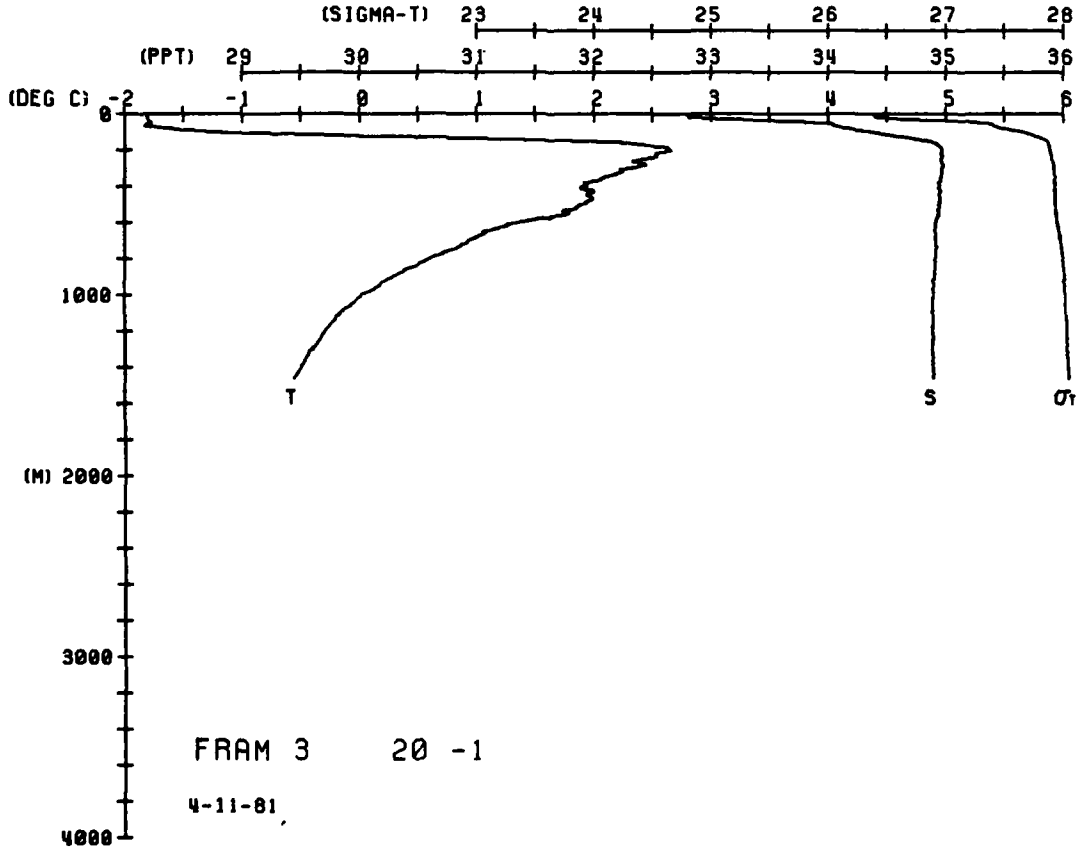

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 19 -1
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FRAM 3 STATION 21(1) CTD 11/APR/1981 1958 GMT CODE = 5
LAT = 83.1588N LNG = 7.9487E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

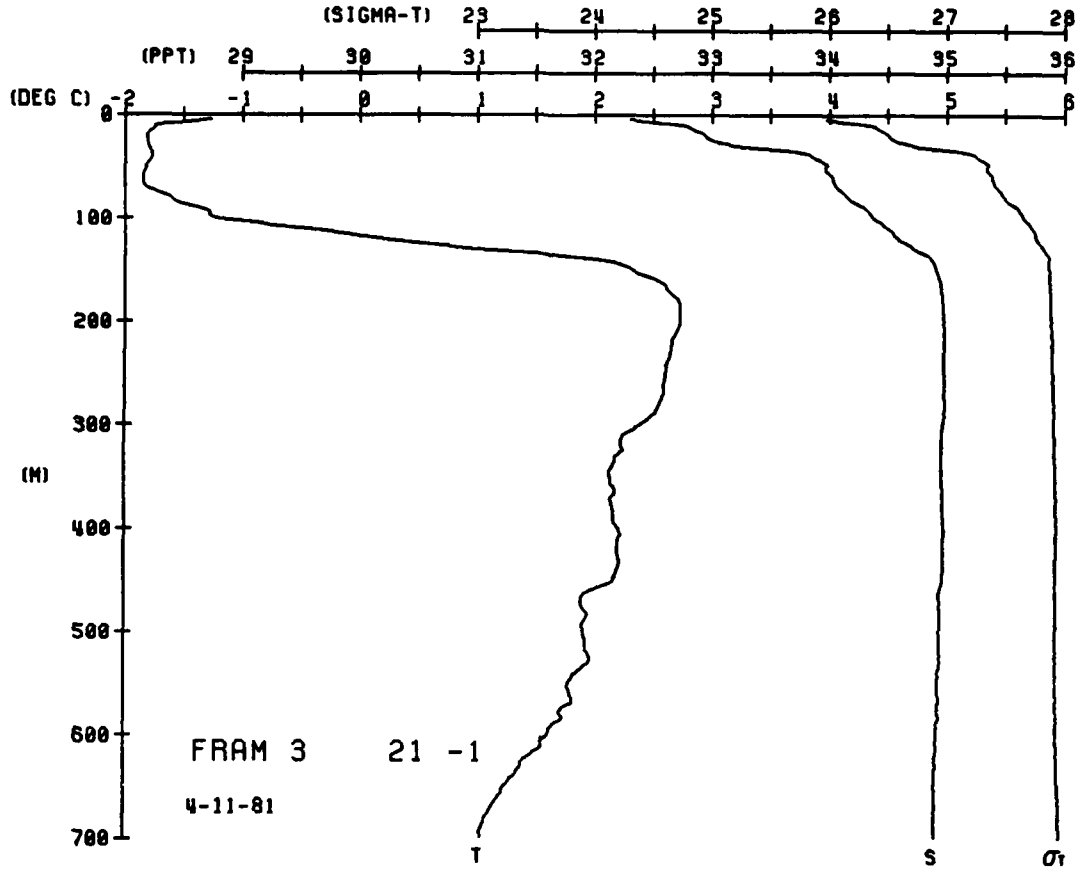
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.16	-1.16	32.22	25.90	209.1	0.000	1440.0
4.0	-1.16	-1.16	32.22	25.90	209.0	0.008	1440.1
5.0	-1.27	-1.27	32.31	25.98	201.2	0.011	1439.7
10.0	-1.71	-1.71	32.75	26.35	166.4	0.020	1438.3
15.0	-1.77	-1.77	32.86	26.44	157.7	0.028	1438.3
20.0	-1.81	-1.81	32.94	26.51	151.2	0.036	1438.3
25.0	-1.81	-1.81	33.01	26.56	145.9	0.043	1438.5
30.0	-1.80	-1.80	33.23	26.74	129.1	0.050	1438.9
35.0	-1.78	-1.78	33.65	27.08	96.5	0.056	1439.7
40.0	-1.77	-1.77	33.85	27.25	80.9	0.060	1440.1
45.0	-1.79	-1.80	33.94	27.32	74.1	0.064	1440.2
50.0	-1.82	-1.82	33.98	27.35	71.4	0.068	1440.2
55.0	-1.83	-1.83	33.99	27.36	70.5	0.072	1440.3
60.0	-1.85	-1.85	34.03	27.39	67.4	0.075	1440.3
65.0	-1.84	-1.84	34.04	27.40	66.2	0.079	1440.5
70.0	-1.81	-1.81	34.07	27.43	63.9	0.082	1440.7
75.0	-1.71	-1.72	34.12	27.47	60.1	0.085	1441.3
80.0	-1.61	-1.61	34.17	27.50	57.1	0.088	1442.0
85.0	-1.53	-1.53	34.23	27.54	52.8	0.091	1442.5
90.0	-1.37	-1.37	34.31	27.61	46.7	0.093	1443.5
95.0	-1.27	-1.28	34.35	27.64	44.1	0.096	1444.1
100.0	-1.22	-1.22	34.39	27.66	41.5	0.098	1444.4
110.0	-0.50	-0.50	34.50	27.73	35.3	0.102	1448.1
120.0	0.21	0.21	34.59	27.77	32.1	0.105	1451.7
130.0	1.06	1.05	34.74	27.83	26.2	0.108	1455.9
140.0	2.05	2.04	34.88	27.87	22.8	0.110	1460.6
150.0	2.34	2.33	34.91	27.88	22.7	0.113	1462.1
160.0	2.54	2.54	34.95	27.88	22.2	0.115	1463.2
170.0	2.63	2.62	34.96	27.88	22.2	0.117	1463.8
180.0	2.73	2.71	34.97	27.88	22.3	0.119	1464.4
190.0	2.73	2.72	34.97	27.89	22.0	0.122	1464.6
200.0	2.73	2.72	34.98	27.89	21.6	0.124	1464.7
210.0	2.70	2.69	34.98	27.90	21.2	0.126	1464.8
220.0	2.66	2.65	34.98	27.90	21.1	0.128	1464.8
230.0	2.65	2.64	34.98	27.90	21.2	0.130	1464.9
240.0	2.62	2.60	34.98	27.90	20.8	0.132	1464.9
250.0	2.61	2.59	34.98	27.91	20.7	0.135	1465.0
260.0	2.60	2.58	34.99	27.91	20.3	0.137	1465.1
270.0	2.59	2.57	34.98	27.91	20.4	0.139	1465.3
280.0	2.55	2.53	34.98	27.91	20.1	0.141	1465.3
290.0	2.49	2.47	34.98	27.92	19.7	0.143	1465.2
300.0	2.38	2.36	34.97	27.92	19.5	0.145	1464.9
310.0	2.25	2.23	34.96	27.92	19.3	0.147	1464.4
320.0	2.24	2.22	34.97	27.93	18.7	0.149	1464.6
330.0	2.19	2.17	34.97	27.93	18.6	0.151	1464.5
340.0	2.16	2.14	34.97	27.93	18.5	0.152	1464.5
350.0	2.14	2.12	34.96	27.93	18.4	0.154	1464.6
360.0	2.17	2.15	34.97	27.93	18.2	0.156	1464.9
370.0	2.14	2.12	34.97	27.94	17.8	0.158	1465.0
380.0	2.16	2.14	34.97	27.94	18.2	0.160	1465.2
390.0	2.16	2.14	34.98	27.94	17.9	0.162	1465.4
400.0	2.21	2.19	34.98	27.94	18.1	0.163	1465.8
410.0	2.21	2.19	34.98	27.94	18.1	0.165	1465.9
420.0	2.20	2.18	34.98	27.94	18.2	0.167	1466.1
430.0	2.22	2.19	34.98	27.94	18.4	0.169	1466.3
440.0	2.20	2.17	34.98	27.94	18.4	0.171	1466.4
450.0	2.16	2.13	34.97	27.94	18.7	0.173	1466.4
460.0	1.96	1.93	34.95	27.93	18.7	0.175	1465.6
470.0	1.89	1.87	34.95	27.94	18.3	0.176	1465.5
480.0	1.94	1.91	34.95	27.94	18.5	0.178	1465.9
490.0	1.91	1.88	34.95	27.94	18.5	0.180	1465.9
500.0	1.92	1.89	34.95	27.94	18.6	0.182	1466.1
530.0	1.95	1.92	34.95	27.94	18.8	0.188	1466.8
560.0	1.80	1.77	34.94	27.94	18.5	0.193	1466.6
590.0	1.64	1.61	34.93	27.94	18.0	0.199	1466.4
620.0	1.44	1.41	34.91	27.95	17.5	0.204	1466.0
650.0	1.23	1.20	34.91	27.95	16.4	0.210	1465.5
680.0	1.08	1.04	34.91	27.97	15.0	0.214	1465.4
710.0	1.00	0.96	34.91	27.97	14.3	0.219	1465.5
740.0	0.90	0.86	34.91	27.98	13.5	0.223	1465.6
790.0	0.74	0.70	34.91	27.99	12.1	0.229	1465.7
840.0	0.54	0.49	34.91	28.00	11.1	0.235	1465.6
890.0	0.36	0.32	34.90	28.01	10.0	0.241	1465.6
940.0	0.20	0.16	34.90	28.01	9.1	0.246	1465.8
990.0	0.07	0.02	34.90	28.02	8.4	0.250	1466.0
1040.0	-0.02	-0.07	34.89	28.02	8.0	0.254	1466.4
1090.0	-0.10	-0.15	34.89	28.02	7.4	0.258	1466.9
1140.0	-0.18	-0.23	34.89	28.03	6.9	0.262	1467.4
1190.0	-0.25	-0.31	34.89	28.03	6.4	0.265	1467.9
1240.0	-0.31	-0.37	34.88	28.03	6.2	0.268	1468.4
1290.0	-0.38	-0.44	34.88	28.03	5.6	0.271	1469.0
1340.0	-0.44	-0.51	34.88	28.03	4.9	0.274	1469.5
1390.0	-0.49	-0.55	34.88	28.04	4.7	0.276	1470.2
1440.0	-0.52	-0.59	34.89	28.04	3.8	0.279	1470.9
1458.0	-0.54	-0.60	34.88	28.04	3.9	0.279	1471.1

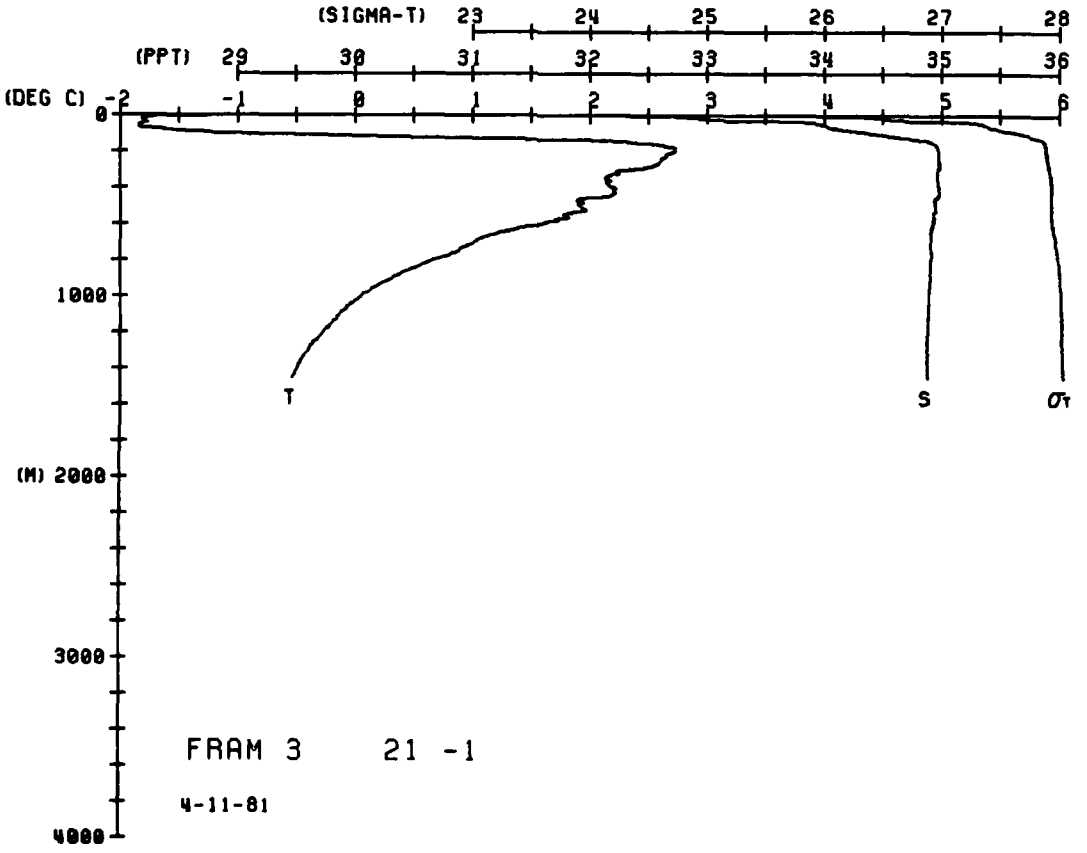

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
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(M)
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FRAM 3 20 -1
4-11-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 20 -1
4-11-81
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FRAM 3 STATION 22(1) CTD 12/APR/1981 830 GMT CODE = 5
LAT = 83.1225N LNG = 7.6715E LTEK = 30. EGEK = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

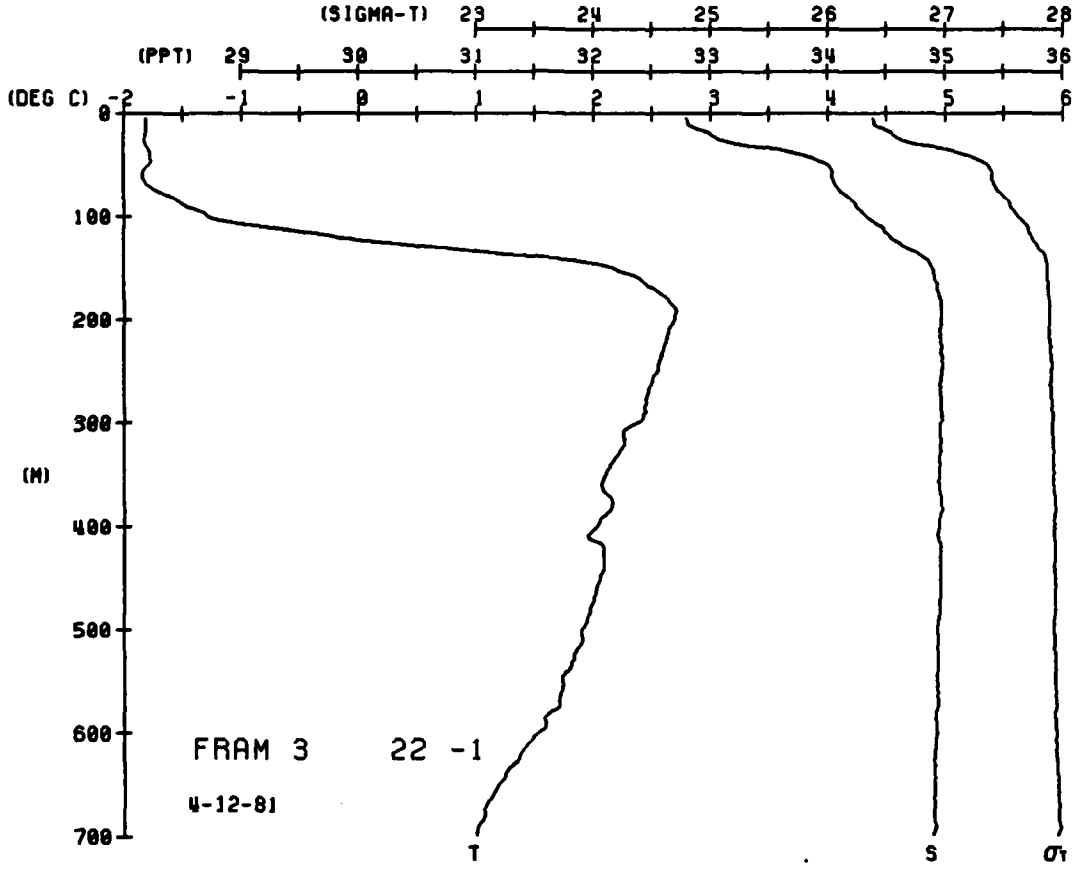
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.81	-1.81	32.78	26.38	164.0	0.000	1437.7
4.0	-1.81	-1.81	32.78	26.38	163.9	0.007	1437.8
5.0	-1.81	-1.81	32.79	26.38	163.2	0.008	1437.8
10.0	-1.81	-1.81	32.81	26.40	161.4	0.017	1438.0
15.0	-1.81	-1.81	32.89	26.47	155.1	0.025	1438.2
20.0	-1.81	-1.81	33.00	26.56	146.4	0.032	1438.4
25.0	-1.82	-1.82	33.07	26.61	141.2	0.039	1438.5
30.0	-1.81	-1.81	33.25	26.76	127.7	0.046	1438.9
35.0	-1.78	-1.78	33.58	27.03	102.0	0.052	1439.6
40.0	-1.77	-1.78	33.77	27.18	87.4	0.057	1440.0
45.0	-1.77	-1.77	33.91	27.29	76.7	0.061	1440.3
50.0	-1.78	-1.78	34.01	27.37	69.0	0.065	1440.4
55.0	-1.83	-1.83	34.04	27.40	66.5	0.068	1440.4
60.0	-1.84	-1.84	34.04	27.40	66.0	0.071	1440.4
65.0	-1.82	-1.82	34.05	27.41	65.4	0.075	1440.6
70.0	-1.79	-1.79	34.08	27.43	63.4	0.078	1440.8
75.0	-1.72	-1.72	34.11	27.46	61.2	0.081	1441.3
80.0	-1.61	-1.61	34.17	27.50	57.0	0.084	1442.0
85.0	-1.53	-1.53	34.22	27.54	53.0	0.087	1442.5
90.0	-1.46	-1.46	34.25	27.56	51.1	0.090	1443.0
95.0	-1.35	-1.35	34.29	27.59	48.1	0.092	1443.6
100.0	-1.27	-1.28	34.33	27.62	45.3	0.094	1444.1
110.0	-0.79	-0.79	34.46	27.71	37.4	0.099	1446.7
120.0	-0.19	-0.20	34.54	27.75	34.0	0.102	1449.8
130.0	0.66	0.66	34.66	27.80	29.4	0.105	1454.0
140.0	1.63	1.62	34.83	27.86	23.8	0.108	1458.7
150.0	2.17	2.16	34.89	27.87	22.9	0.110	1461.4
160.0	2.40	2.39	34.91	27.87	23.5	0.113	1462.5
170.0	2.52	2.51	34.94	27.88	22.8	0.115	1463.3
180.0	2.64	2.63	34.96	27.89	22.0	0.117	1464.0
190.0	2.70	2.69	34.96	27.88	22.4	0.120	1464.4
200.0	2.69	2.68	34.96	27.88	22.4	0.122	1464.5
210.0	2.65	2.64	34.96	27.89	22.2	0.124	1464.5
220.0	2.62	2.61	34.97	27.89	21.5	0.126	1464.6
230.0	2.60	2.58	34.96	27.89	21.8	0.129	1464.6
240.0	2.57	2.55	34.98	27.91	20.6	0.131	1464.7
250.0	2.55	2.53	34.97	27.90	20.7	0.133	1464.7
260.0	2.51	2.49	34.96	27.90	21.5	0.135	1464.7
270.0	2.46	2.45	34.96	27.90	21.0	0.137	1464.7
280.0	2.45	2.43	34.97	27.91	20.5	0.139	1464.8
290.0	2.43	2.42	34.97	27.91	20.5	0.141	1464.9
300.0	2.37	2.36	34.96	27.91	20.4	0.143	1464.8
310.0	2.26	2.24	34.95	27.91	20.0	0.145	1464.5
320.0	2.27	2.25	34.96	27.92	19.9	0.147	1464.7
330.0	2.21	2.19	34.96	27.92	19.4	0.149	1464.6
340.0	2.15	2.13	34.95	27.92	19.1	0.151	1464.5
350.0	2.10	2.08	34.95	27.92	19.5	0.153	1464.4
360.0	2.08	2.05	34.95	27.92	19.1	0.155	1464.5
370.0	2.13	2.11	34.96	27.93	18.6	0.157	1464.9
380.0	2.16	2.14	34.97	27.93	18.5	0.159	1465.2
390.0	2.08	2.06	34.95	27.93	19.1	0.161	1465.0
400.0	2.03	2.01	34.95	27.93	18.9	0.163	1465.0
410.0	1.96	1.93	34.94	27.93	18.7	0.165	1464.8
420.0	2.09	2.07	34.96	27.93	18.8	0.167	1465.6
430.0	2.09	2.06	34.96	27.93	18.9	0.169	1465.7
440.0	2.09	2.06	34.95	27.93	19.2	0.170	1465.9
450.0	2.06	2.03	34.95	27.93	19.0	0.172	1465.9
460.0	2.03	2.00	34.96	27.93	18.7	0.174	1465.9
470.0	2.01	1.98	34.95	27.93	19.0	0.176	1466.0
480.0	1.97	1.94	34.95	27.93	18.7	0.178	1466.0
490.0	1.95	1.92	34.94	27.93	19.2	0.180	1466.1
500.0	1.90	1.87	34.93	27.93	19.4	0.182	1466.0
530.0	1.82	1.79	34.93	27.93	19.0	0.188	1466.2
560.0	1.73	1.69	34.93	27.94	18.4	0.194	1466.2
590.0	1.60	1.56	34.92	27.94	18.0	0.199	1466.2
620.0	1.38	1.34	34.91	27.95	17.1	0.204	1465.7
650.0	1.18	1.15	34.90	27.95	16.3	0.209	1465.3
680.0	1.07	1.03	34.91	27.97	15.0	0.214	1465.3
710.0	0.95	0.91	34.90	27.97	14.5	0.219	1465.3
740.0	0.88	0.84	34.91	27.98	13.6	0.223	1465.5
790.0	0.72	0.68	34.91	27.99	12.3	0.230	1465.6
840.0	0.53	0.49	34.90	28.00	11.5	0.236	1465.5
890.0	0.33	0.29	34.89	28.00	10.5	0.241	1465.5
940.0	0.18	0.14	34.89	28.01	9.6	0.246	1465.7
990.0	0.05	0.01	34.89	28.01	8.9	0.251	1465.9
1040.0	-0.05	-0.10	34.89	28.02	8.1	0.255	1466.2
1090.0	-0.13	-0.18	34.88	28.02	7.7	0.259	1466.7
1140.0	-0.21	-0.26	34.87	28.02	7.8	0.263	1467.2
1190.0	-0.28	-0.34	34.88	28.02	6.9	0.267	1467.7
1240.0	-0.35	-0.41	34.88	28.02	6.4	0.270	1468.2
1290.0	-0.43	-0.48	34.87	28.03	6.0	0.273	1468.8
1340.0	-0.47	-0.53	34.87	28.03	5.7	0.276	1469.4
1390.0	-0.50	-0.56	34.87	28.02	5.8	0.279	1470.1
1440.0	-0.53	-0.60	34.87	28.02	5.5	0.282	1470.8
1461.9	-0.56	-0.63	34.87	28.03	5.1	0.283	1471.0

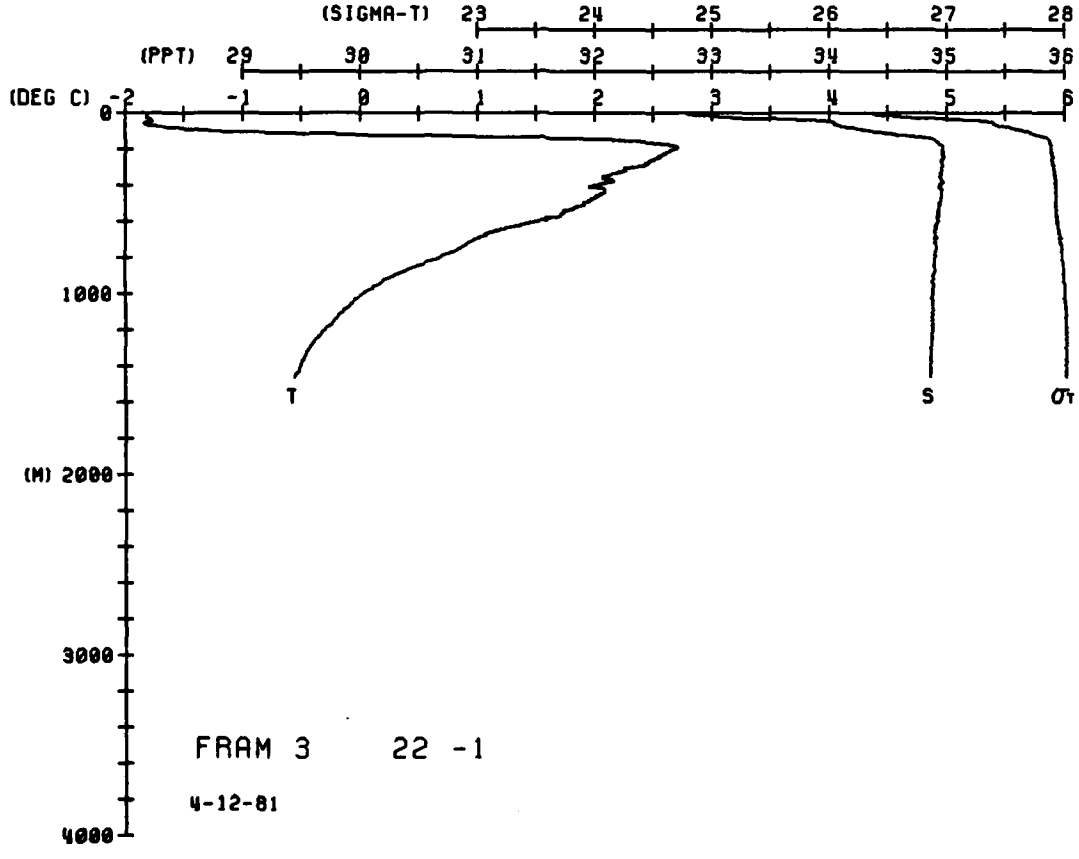

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 21 -1
4-11-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 21 -1
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FRAM 3 STATION 23(1) CTD 12/APR/1981 1123 GM1 CODE = 5
LAT = 83.1125N LNG = 7.6437E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

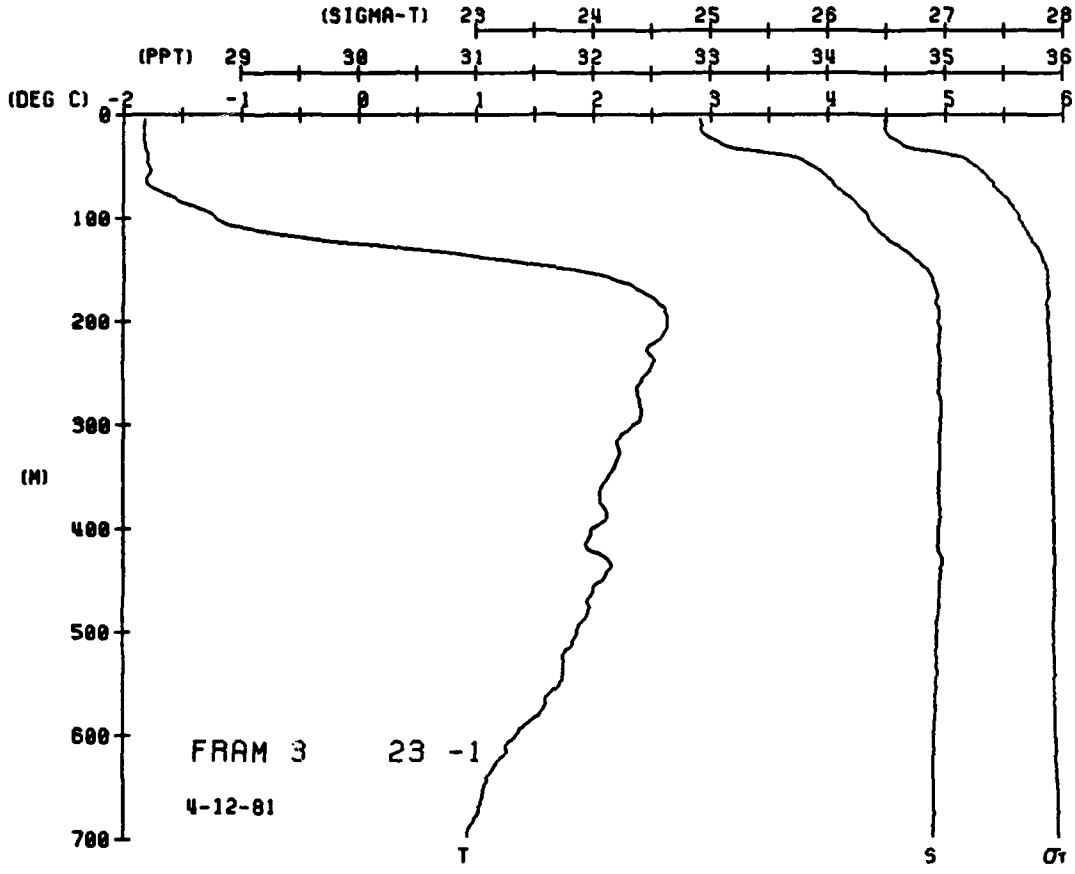
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	32.91	26.48	153.9	0.000	1437.9
4.0	-1.82	-1.82	32.91	26.48	153.9	0.006	1438.0
5.0	-1.82	-1.82	32.91	26.48	153.9	0.008	1438.0
10.0	-1.82	-1.82	32.93	26.50	152.3	0.016	1438.1
15.0	-1.82	-1.82	32.93	26.50	152.4	0.023	1438.2
20.0	-1.82	-1.82	32.96	26.52	150.0	0.031	1438.3
25.0	-1.82	-1.82	33.05	26.59	143.2	0.038	1438.5
30.0	-1.81	-1.81	33.14	26.66	136.5	0.045	1438.7
35.0	-1.80	-1.80	33.34	26.83	120.3	0.052	1439.2
40.0	-1.78	-1.79	33.67	27.10	94.9	0.057	1439.8
45.0	-1.79	-1.80	33.80	27.21	84.6	0.062	1440.0
50.0	-1.78	-1.78	33.87	27.26	79.8	0.066	1440.3
55.0	-1.76	-1.77	33.95	27.32	73.6	0.070	1440.5
60.0	-1.79	-1.79	33.99	27.36	70.2	0.073	1440.6
65.0	-1.80	-1.81	34.05	27.41	65.6	0.077	1440.6
70.0	-1.76	-1.76	34.07	27.43	63.8	0.080	1441.0
75.0	-1.67	-1.68	34.13	27.47	59.5	0.083	1441.5
80.0	-1.57	-1.57	34.19	27.52	55.5	0.086	1442.2
85.0	-1.50	-1.50	34.24	27.55	51.7	0.089	1442.7
90.0	-1.37	-1.37	34.28	27.59	48.7	0.091	1443.5
95.0	-1.26	-1.27	34.33	27.62	45.4	0.094	1444.1
100.0	-1.20	-1.21	34.36	27.64	43.7	0.096	1444.5
110.0	-0.96	-0.97	34.43	27.69	39.2	0.100	1445.9
120.0	-0.41	-0.42	34.52	27.74	34.8	0.104	1448.7
130.0	0.46	0.45	34.65	27.80	29.2	0.107	1453.1
140.0	1.17	1.16	34.75	27.85	26.3	0.110	1456.6
150.0	1.81	1.81	34.85	27.87	23.2	0.113	1459.7
160.0	2.19	2.18	34.90	27.87	23.0	0.115	1461.6
170.0	2.40	2.39	34.93	27.88	22.2	0.117	1462.7
180.0	2.55	2.53	34.93	27.87	23.7	0.120	1463.5
190.0	2.63	2.61	34.96	27.89	22.0	0.122	1464.1
200.0	2.63	2.62	34.95	27.88	23.2	0.124	1464.3
210.0	2.62	2.61	34.96	27.89	21.8	0.126	1464.4
220.0	2.53	2.52	34.96	27.89	21.6	0.129	1464.2
230.0	2.48	2.47	34.96	27.90	21.2	0.131	1464.1
240.0	2.52	2.51	34.97	27.90	20.8	0.133	1464.5
250.0	2.47	2.45	34.96	27.90	20.7	0.135	1464.4
260.0	2.40	2.38	34.96	27.91	20.6	0.137	1464.2
270.0	2.38	2.37	34.95	27.90	21.0	0.139	1464.3
280.0	2.40	2.38	34.97	27.92	19.7	0.141	1464.6
290.0	2.41	2.40	34.97	27.91	20.1	0.143	1464.8
300.0	2.35	2.33	34.97	27.92	19.8	0.145	1464.7
310.0	2.25	2.23	34.96	27.92	19.8	0.147	1464.4
320.0	2.22	2.20	34.96	27.92	19.3	0.149	1464.5
330.0	2.23	2.21	34.96	27.92	19.1	0.151	1464.7
340.0	2.19	2.17	34.96	27.93	18.8	0.153	1464.7
350.0	2.13	2.11	34.96	27.93	18.9	0.155	1464.6
360.0	2.08	2.06	34.96	27.93	18.5	0.157	1464.5
370.0	2.07	2.04	34.96	27.93	18.5	0.159	1464.6
380.0	2.10	2.08	34.96	27.93	18.3	0.161	1465.0
390.0	2.12	2.09	34.96	27.93	18.6	0.163	1465.2
400.0	2.00	1.98	34.95	27.93	18.8	0.164	1464.8
410.0	1.97	1.94	34.95	27.93	18.4	0.166	1464.8
420.0	1.96	1.94	34.95	27.93	18.4	0.168	1465.0
430.0	2.13	2.11	34.98	27.94	17.8	0.170	1465.9
440.0	2.13	2.11	34.97	27.94	18.6	0.172	1466.1
450.0	2.08	2.06	34.96	27.93	18.6	0.174	1466.0
460.0	2.00	1.97	34.96	27.94	18.3	0.176	1465.8
470.0	1.96	1.93	34.96	27.94	18.1	0.177	1465.8
480.0	1.97	1.94	34.95	27.94	18.4	0.179	1466.0
490.0	1.91	1.88	34.94	27.93	18.7	0.181	1465.9
500.0	1.88	1.85	34.94	27.94	18.4	0.183	1465.9
530.0	1.75	1.72	34.94	27.94	18.0	0.189	1465.9
560.0	1.64	1.60	34.93	27.94	17.8	0.194	1465.8
590.0	1.42	1.39	34.92	27.95	16.7	0.199	1465.4
620.0	1.24	1.21	34.91	27.96	16.0	0.204	1465.1
650.0	1.07	1.04	34.91	27.97	14.9	0.209	1464.8
680.0	0.99	0.96	34.91	27.98	14.1	0.213	1465.0
710.0	0.92	0.88	34.91	27.98	13.4	0.218	1465.1
740.0	0.83	0.80	34.91	27.99	12.8	0.222	1465.3
790.0	0.65	0.62	34.91	28.00	11.5	0.228	1465.3
840.0	0.46	0.41	34.90	28.00	10.7	0.233	1465.2
890.0	0.31	0.26	34.90	28.01	10.0	0.239	1465.4
940.0	0.15	0.10	34.90	28.01	9.0	0.243	1465.5
990.0	0.04	-0.01	34.89	28.02	8.3	0.248	1465.8
1040.0	-0.05	-0.10	34.89	28.02	7.9	0.252	1466.3
1090.0	-0.14	-0.19	34.89	28.02	7.3	0.256	1466.7
1140.0	-0.21	-0.26	34.88	28.02	7.0	0.259	1467.2
1190.0	-0.28	-0.33	34.88	28.03	6.5	0.263	1467.7
1240.0	-0.35	-0.41	34.88	28.02	6.3	0.266	1468.3
1290.0	-0.42	-0.48	34.88	28.03	5.8	0.269	1468.8
1340.0	-0.47	-0.54	34.87	28.03	5.7	0.272	1469.4
1390.0	-0.51	-0.57	34.87	28.03	5.2	0.275	1470.1
1440.0	-0.54	-0.60	34.87	28.03	5.2	0.277	1470.8
1462.9	-0.55	-0.61	34.87	28.03	5.1	0.279	1471.1

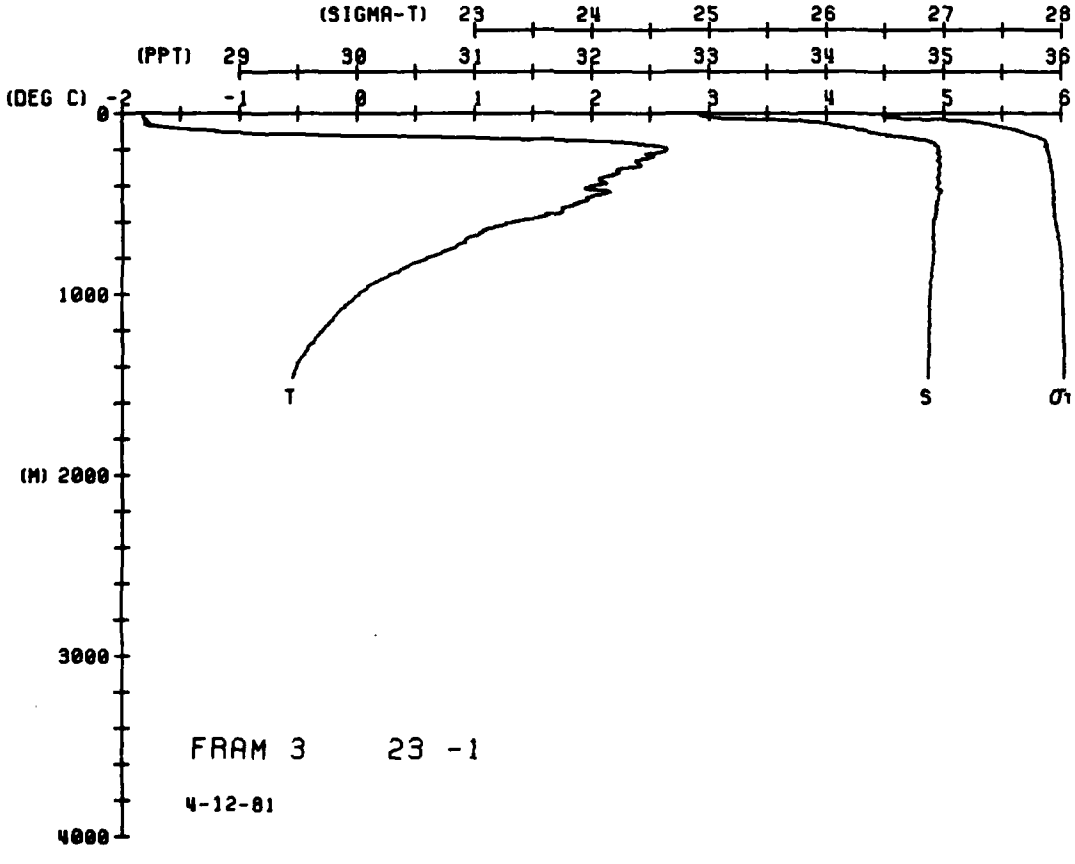

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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 STATION 24(1) CTD 12/APR/1981 1453 GMT CODE = 5
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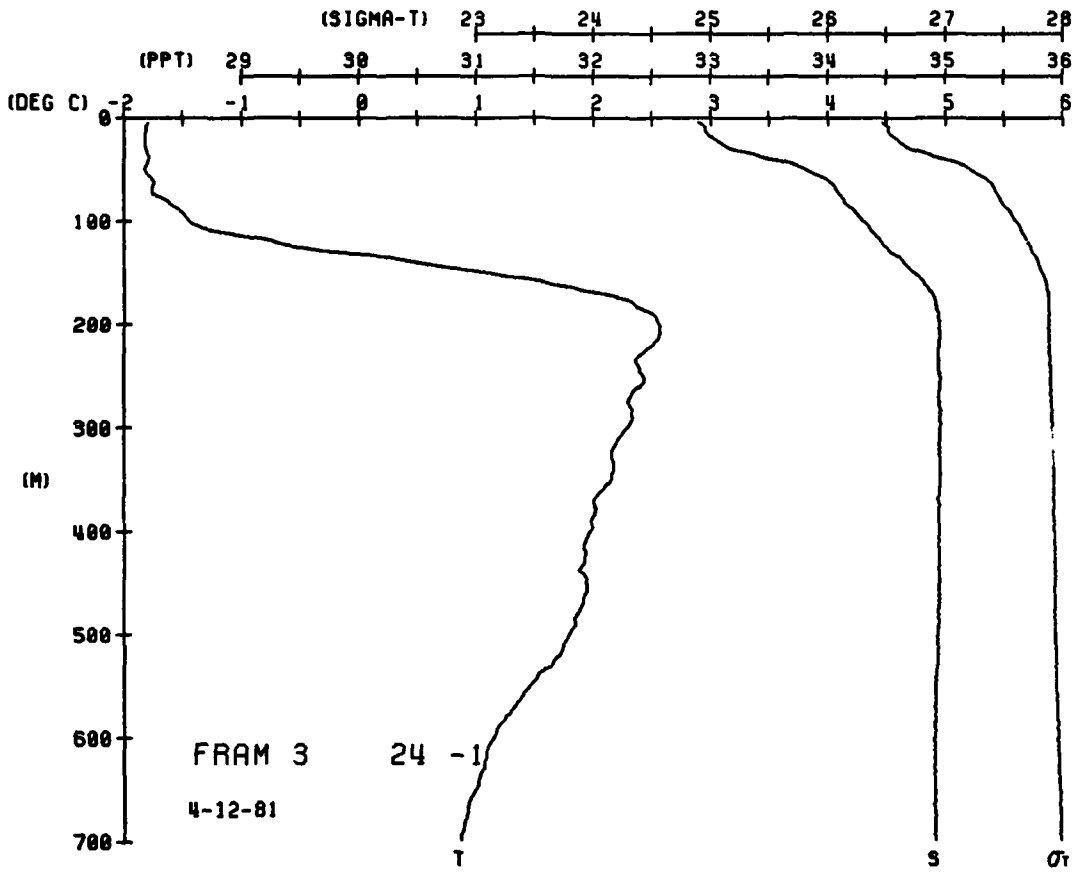
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	32.87	26.45	157.4	0.000	1438.0
4.0	-1.79	-1.79	32.87	26.45	157.3	0.006	1438.0
5.0	-1.80	-1.80	32.89	26.47	155.1	0.008	1438.1
10.0	-1.81	-1.81	32.96	26.52	150.2	0.016	1438.2
15.0	-1.82	-1.82	32.97	26.53	148.9	0.023	1438.2
20.0	-1.82	-1.82	33.03	26.58	144.4	0.031	1438.4
25.0	-1.82	-1.82	33.10	26.64	138.9	0.038	1438.6
30.0	-1.81	-1.81	33.19	26.71	132.2	0.045	1438.8
35.0	-1.80	-1.80	33.37	26.85	118.6	0.051	1439.2
40.0	-1.78	-1.79	33.53	26.99	105.8	0.057	1439.6
45.0	-1.80	-1.80	33.73	27.15	90.7	0.062	1439.9
50.0	-1.81	-1.81	33.82	27.22	83.5	0.066	1440.0
55.0	-1.79	-1.79	33.91	27.29	76.7	0.070	1440.4
60.0	-1.75	-1.75	34.00	27.37	69.6	0.074	1440.8
65.0	-1.74	-1.74	34.06	27.41	65.1	0.077	1440.9
70.0	-1.76	-1.77	34.08	27.43	63.2	0.080	1441.0
75.0	-1.72	-1.72	34.12	27.46	60.8	0.084	1441.3
80.0	-1.63	-1.63	34.14	27.48	58.9	0.087	1441.8
85.0	-1.58	-1.58	34.17	27.50	56.5	0.089	1442.2
90.0	-1.52	-1.52	34.24	27.56	51.4	0.092	1442.7
95.0	-1.47	-1.48	34.27	27.58	49.6	0.095	1443.0
100.0	-1.44	-1.44	34.31	27.61	46.3	0.097	1443.3
110.0	-1.21	-1.21	34.38	27.66	42.0	0.102	1444.7
120.0	-0.72	-0.72	34.46	27.71	37.6	0.106	1447.2
130.0	-0.17	-0.17	34.54	27.75	33.8	0.109	1450.0
140.0	0.49	0.48	34.65	27.80	29.4	0.112	1453.3
150.0	1.09	1.09	34.74	27.83	26.4	0.115	1456.4
160.0	1.62	1.62	34.83	27.86	23.8	0.118	1459.0
170.0	2.08	2.07	34.89	27.88	22.3	0.120	1461.3
180.0	2.36	2.34	34.92	27.88	22.6	0.122	1462.7
190.0	2.52	2.51	34.94	27.88	22.4	0.125	1463.6
200.0	2.57	2.55	34.95	27.88	22.4	0.127	1464.0
210.0	2.57	2.56	34.96	27.89	22.0	0.129	1464.2
220.0	2.50	2.48	34.95	27.89	22.0	0.131	1464.0
230.0	2.38	2.37	34.94	27.89	21.4	0.134	1463.7
240.0	2.39	2.38	34.95	27.90	21.1	0.136	1463.9
250.0	2.43	2.42	34.96	27.90	20.9	0.138	1464.2
260.0	2.39	2.37	34.96	27.91	20.5	0.140	1464.2
270.0	2.31	2.30	34.95	27.91	20.5	0.142	1464.0
280.0	2.33	2.31	34.96	27.91	20.1	0.144	1464.3
290.0	2.34	2.32	34.96	27.91	20.2	0.146	1464.5
300.0	2.28	2.27	34.96	27.92	19.7	0.148	1464.4
310.0	2.22	2.20	34.96	27.92	19.3	0.150	1464.3
320.0	2.17	2.15	34.95	27.92	19.5	0.152	1464.2
330.0	2.16	2.15	34.95	27.92	19.3	0.154	1464.4
340.0	2.17	2.15	34.96	27.92	19.3	0.156	1464.6
350.0	2.15	2.13	34.96	27.93	19.0	0.158	1464.7
360.0	2.07	2.05	34.95	27.93	19.0	0.160	1464.5
370.0	2.01	1.99	34.95	27.93	18.9	0.162	1464.4
380.0	2.02	2.00	34.95	27.93	18.7	0.164	1464.6
390.0	1.99	1.97	34.95	27.93	18.5	0.166	1464.6
400.0	1.97	1.95	34.95	27.93	18.5	0.167	1464.7
410.0	1.93	1.90	34.95	27.94	18.1	0.169	1464.7
420.0	1.93	1.91	34.94	27.93	18.5	0.171	1464.9
430.0	1.92	1.90	34.95	27.94	18.3	0.173	1465.0
440.0	1.90	1.88	34.95	27.94	17.9	0.175	1465.1
450.0	1.95	1.92	34.95	27.94	18.2	0.177	1465.4
460.0	1.93	1.91	34.95	27.94	18.1	0.179	1465.5
470.0	1.91	1.89	34.95	27.94	18.2	0.180	1465.6
480.0	1.86	1.84	34.95	27.94	18.1	0.182	1465.5
490.0	1.85	1.82	34.94	27.94	18.1	0.184	1465.6
500.0	1.79	1.77	34.94	27.94	18.2	0.186	1465.6
530.0	1.63	1.60	34.93	27.94	17.5	0.191	1465.3
560.0	1.39	1.36	34.92	27.95	16.3	0.196	1464.7
590.0	1.18	1.15	34.91	27.96	15.4	0.201	1464.3
620.0	1.08	1.05	34.92	27.97	14.3	0.206	1464.4
650.0	0.99	0.96	34.91	27.98	13.9	0.210	1464.5
680.0	0.90	0.86	34.91	27.98	13.5	0.214	1464.5
710.0	0.86	0.82	34.92	27.99	12.4	0.218	1464.9
740.0	0.76	0.72	34.91	27.99	12.1	0.222	1464.9
790.0	0.57	0.54	34.91	28.00	11.1	0.228	1464.9
840.0	0.38	0.34	34.90	28.01	10.0	0.233	1464.9
890.0	0.23	0.19	34.90	28.01	9.1	0.238	1465.0
940.0	0.12	0.07	34.89	28.01	8.8	0.243	1465.4
990.0	0.00	-0.04	34.89	28.02	8.2	0.247	1465.7
1040.0	-0.09	-0.14	34.89	28.02	7.5	0.251	1466.1
1090.0	-0.18	-0.23	34.89	28.03	7.0	0.255	1466.5
1140.0	-0.24	-0.29	34.89	28.03	6.6	0.258	1467.1
1190.0	-0.31	-0.36	34.88	28.03	6.5	0.261	1467.6
1240.0	-0.36	-0.42	34.88	28.03	6.1	0.265	1468.2
1290.0	-0.41	-0.47	34.88	28.03	5.6	0.268	1468.8
1340.0	-0.47	-0.54	34.88	28.03	5.0	0.270	1469.4
1390.0	-0.50	-0.56	34.87	28.03	5.3	0.273	1470.1
1440.0	-0.55	-0.61	34.87	28.03	4.8	0.276	1470.8
1460.9	-0.56	-0.63	34.87	28.03	4.9	0.277	1471.0

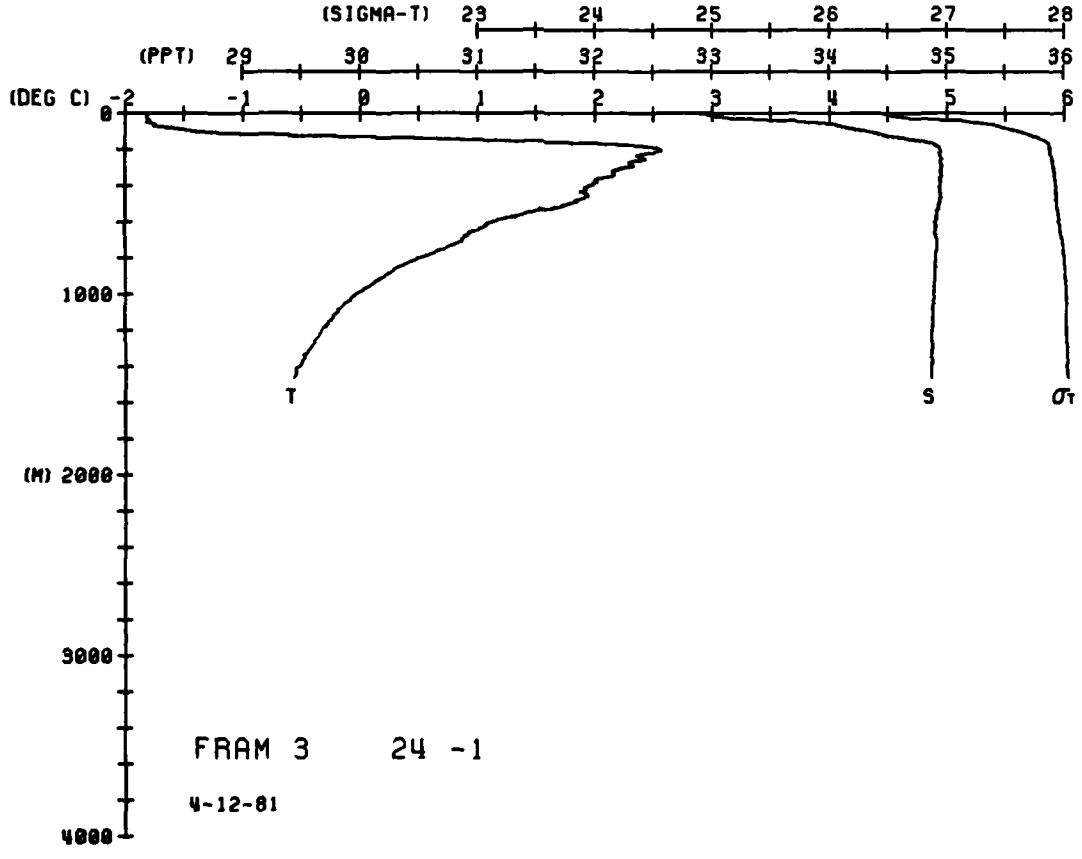

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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 23 -1
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FRAM 3 STATION 25(1) CTD 13/APR/1981 215 GMT CODE = 5
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AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

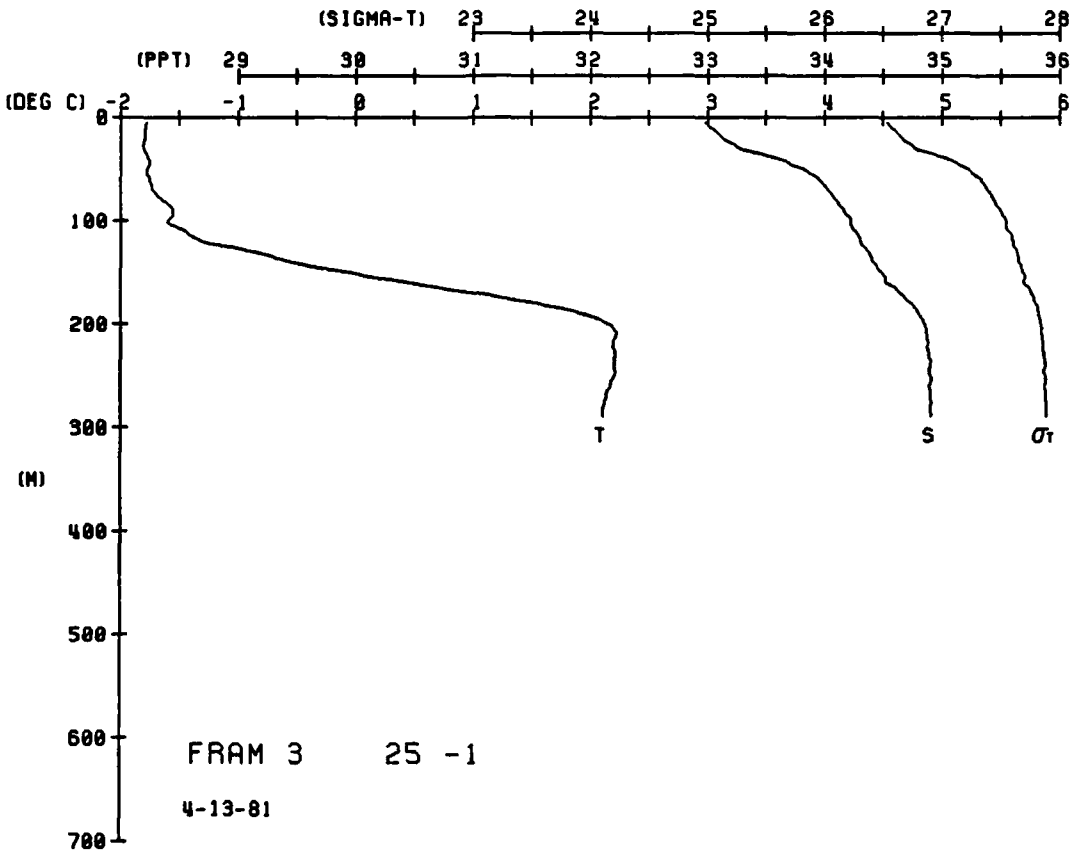
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	32.98	26.54	148.8	0.000	1438.2
4.0	-1.78	-1.78	32.98	26.54	148.8	0.006	1438.2
5.0	-1.78	-1.78	32.98	26.54	148.8	0.008	1438.3
10.0	-1.79	-1.79	33.03	26.58	144.5	0.015	1438.4
15.0	-1.79	-1.80	33.09	26.63	140.2	0.022	1438.5
20.0	-1.79	-1.80	33.13	26.66	136.7	0.029	1438.6
25.0	-1.80	-1.81	33.21	26.72	130.9	0.036	1438.8
30.0	-1.80	-1.81	33.28	26.78	125.4	0.042	1439.0
35.0	-1.78	-1.78	33.43	26.90	113.5	0.048	1439.4
40.0	-1.76	-1.76	33.60	27.04	100.9	0.054	1439.8
45.0	-1.76	-1.76	33.71	27.13	92.0	0.059	1440.0
50.0	-1.78	-1.78	33.82	27.22	83.6	0.063	1440.2
55.0	-1.77	-1.77	33.89	27.28	78.0	0.067	1440.4
60.0	-1.75	-1.75	33.96	27.34	72.6	0.071	1440.7
65.0	-1.74	-1.74	34.00	27.37	69.6	0.075	1440.9
70.0	-1.73	-1.73	34.04	27.39	66.9	0.078	1441.1
75.0	-1.69	-1.69	34.07	27.43	64.0	0.081	1441.4
80.0	-1.64	-1.64	34.11	27.45	61.7	0.085	1441.7
85.0	-1.59	-1.59	34.13	27.47	59.6	0.088	1442.1
90.0	-1.55	-1.56	34.17	27.50	56.8	0.091	1442.4
95.0	-1.56	-1.56	34.20	27.52	54.6	0.093	1442.5
100.0	-1.60	-1.60	34.23	27.55	52.0	0.096	1442.4
110.0	-1.45	-1.45	34.26	27.57	49.9	0.101	1443.4
120.0	-1.31	-1.31	34.31	27.61	46.8	0.106	1444.3
130.0	-0.86	-0.87	34.38	27.64	43.4	0.111	1446.6
140.0	-0.55	-0.56	34.42	27.66	41.4	0.115	1448.3
150.0	-0.05	-0.06	34.50	27.70	38.1	0.119	1450.8
160.0	0.46	0.46	34.53	27.70	38.2	0.123	1453.4
170.0	1.03	1.02	34.66	27.77	32.4	0.126	1456.3
180.0	1.54	1.53	34.75	27.80	29.3	0.130	1458.8
190.0	1.93	1.92	34.81	27.83	27.3	0.132	1460.8
200.0	2.16	2.15	34.86	27.85	25.5	0.135	1462.1
210.0	2.22	2.21	34.88	27.85	25.1	0.138	1462.6
220.0	2.20	2.18	34.88	27.86	24.3	0.140	1462.6
230.0	2.21	2.20	34.90	27.87	23.5	0.143	1462.9
240.0	2.21	2.20	34.91	27.88	22.3	0.145	1463.0
250.0	2.21	2.20	34.92	27.89	22.1	0.147	1463.2
260.0	2.17	2.16	34.91	27.88	22.5	0.149	1463.2
270.0	2.14	2.12	34.91	27.89	22.2	0.152	1463.2
280.0	2.12	2.10	34.91	27.89	21.6	0.154	1463.3
289.7	2.11	2.09	34.91	27.89	21.9	0.156	1463.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 STATION 26(1) CTD 13/APR/1981 807 GMT CODE = 5
LAT = 83.0677N LNG = 7.3253E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	32.94	26.51	151.5	0.000	1438.1
5.0	-1.78	-1.79	32.94	26.51	151.5	0.008	1438.2
6.9	-1.78	-1.79	32.94	26.51	151.5	0.011	1438.2
10.0	-1.76	-1.77	32.95	26.51	151.1	0.015	1438.4
15.0	-1.78	-1.79	33.03	26.58	144.9	0.023	1438.5
20.0	-1.78	-1.78	33.07	26.61	141.6	0.030	1438.6
25.0	-1.81	-1.81	33.17	26.69	133.8	0.037	1438.7
30.0	-1.82	-1.82	33.23	26.75	128.6	0.044	1438.9
35.0	-1.83	-1.83	33.26	26.76	126.8	0.050	1438.9
40.0	-1.82	-1.82	33.28	26.78	125.3	0.056	1439.1
45.0	-1.80	-1.81	33.44	26.92	112.4	0.062	1439.5
50.0	-1.79	-1.79	33.61	27.05	99.6	0.068	1439.9
55.0	-1.78	-1.79	33.79	27.20	85.7	0.073	1440.2
60.0	-1.79	-1.80	33.89	27.28	77.7	0.077	1440.4
65.0	-1.78	-1.78	33.97	27.35	71.6	0.080	1440.6
70.0	-1.76	-1.76	34.02	27.38	68.4	0.084	1440.9
75.0	-1.76	-1.77	34.05	27.41	65.3	0.087	1441.0
80.0	-1.77	-1.77	34.08	27.43	63.6	0.091	1441.1
85.0	-1.76	-1.76	34.09	27.44	62.2	0.094	1441.3
90.0	-1.68	-1.68	34.12	27.47	60.1	0.097	1441.8
95.0	-1.60	-1.61	34.18	27.51	56.2	0.100	1442.3
100.0	-1.60	-1.60	34.22	27.54	53.2	0.103	1442.4
110.0	-1.60	-1.60	34.28	27.59	48.3	0.108	1442.7
120.0	-1.42	-1.42	34.33	27.62	45.2	0.112	1443.8
130.0	-1.16	-1.16	34.39	27.66	41.5	0.117	1445.2
140.0	-0.90	-0.90	34.43	27.69	39.4	0.121	1446.7
150.0	-0.48	-0.49	34.51	27.73	35.1	0.125	1448.9
160.0	-0.07	-0.08	34.57	27.76	32.3	0.128	1451.0
170.0	0.36	0.35	34.65	27.80	28.7	0.131	1453.3
180.0	0.94	0.93	34.73	27.83	26.1	0.134	1456.2
190.0	1.26	1.25	34.78	27.85	25.0	0.137	1457.8
200.0	1.63	1.61	34.83	27.87	23.5	0.139	1459.7
210.0	1.89	1.88	34.87	27.87	23.1	0.141	1461.1
220.0	2.00	1.99	34.89	27.88	22.6	0.144	1461.7
230.0	2.08	2.07	34.90	27.88	22.2	0.146	1462.3
240.0	2.11	2.10	34.91	27.89	21.9	0.148	1462.6
250.0	2.10	2.09	34.92	27.90	21.3	0.150	1462.7
260.0	2.10	2.09	34.92	27.90	21.0	0.152	1462.9
270.0	2.09	2.07	34.92	27.90	20.9	0.155	1463.0
280.0	2.07	2.05	34.93	27.91	20.2	0.157	1463.1
290.0	2.05	2.03	34.93	27.91	20.0	0.159	1463.2
300.0	2.03	2.01	34.93	27.91	19.9	0.161	1463.2
310.0	1.96	1.94	34.92	27.91	19.7	0.163	1463.1
320.0	1.92	1.90	34.92	27.92	19.5	0.165	1463.1
330.0	1.90	1.88	34.92	27.92	19.3	0.167	1463.2
340.0	1.88	1.86	34.93	27.92	18.9	0.169	1463.3
350.0	1.86	1.84	34.93	27.93	18.6	0.170	1463.3
360.0	1.79	1.77	34.93	27.93	18.4	0.172	1463.2
370.0	1.73	1.71	34.92	27.93	18.2	0.174	1463.1
380.0	1.71	1.68	34.93	27.94	17.7	0.176	1463.2
390.0	1.66	1.64	34.93	27.94	17.3	0.178	1463.1
400.0	1.65	1.63	34.93	27.94	17.0	0.180	1463.3
410.0	1.60	1.57	34.93	27.94	17.1	0.181	1463.2
420.0	1.57	1.55	34.93	27.95	16.6	0.183	1463.2
430.0	1.57	1.55	34.93	27.95	16.6	0.185	1463.4
440.0	1.52	1.50	34.93	27.95	16.3	0.186	1463.3
450.0	1.47	1.44	34.93	27.96	15.8	0.188	1463.3
460.0	1.40	1.38	34.93	27.96	15.7	0.190	1463.1
470.0	1.34	1.31	34.93	27.96	15.2	0.191	1463.0
480.0	1.29	1.26	34.92	27.96	14.9	0.193	1463.0
490.0	1.24	1.21	34.92	27.97	14.9	0.194	1462.9
500.0	1.18	1.16	34.92	27.97	14.4	0.196	1462.8
530.0	1.05	1.02	34.92	27.98	13.6	0.200	1462.7
560.0	1.03	1.01	34.93	27.99	12.7	0.204	1463.2
590.0	0.95	0.92	34.93	27.99	12.2	0.208	1463.3
620.0	0.92	0.88	34.93	28.00	11.8	0.211	1463.6
650.0	0.84	0.81	34.94	28.01	10.7	0.215	1463.8
680.0	0.71	0.67	34.94	28.01	9.9	0.218	1463.7
710.0	0.63	0.59	34.93	28.02	9.7	0.221	1463.8
740.0	0.51	0.48	34.94	28.02	8.6	0.224	1463.9
790.0	0.37	0.34	34.93	28.03	8.3	0.228	1464.0
840.0	0.22	0.18	34.92	28.03	8.0	0.232	1464.2
890.0	0.09	0.05	34.93	28.04	6.2	0.236	1464.4
940.0	-0.02	-0.06	34.92	28.05	5.6	0.239	1464.8
990.0	-0.09	-0.13	34.92	28.05	5.2	0.241	1465.3
1040.0	-0.18	-0.23	34.92	28.05	4.4	0.244	1465.7
1090.0	-0.24	-0.29	34.92	28.05	4.1	0.246	1466.3
1140.0	-0.31	-0.36	34.92	28.06	3.5	0.248	1466.8
1190.0	-0.38	-0.44	34.92	28.06	2.9	0.250	1467.3
1240.0	-0.45	-0.51	34.91	28.06	2.7	0.251	1467.9
1290.0	-0.50	-0.56	34.91	28.06	2.2	0.252	1468.5
1340.0	-0.55	-0.61	34.92	28.07	1.6	0.253	1469.1
1390.0	-0.60	-0.66	34.91	28.07	1.5	0.254	1469.7
1440.0	-0.64	-0.71	34.91	28.07	1.0	0.255	1470.4
1463.9	-0.67	-0.74	34.91	28.07	0.9	0.255	1470.6

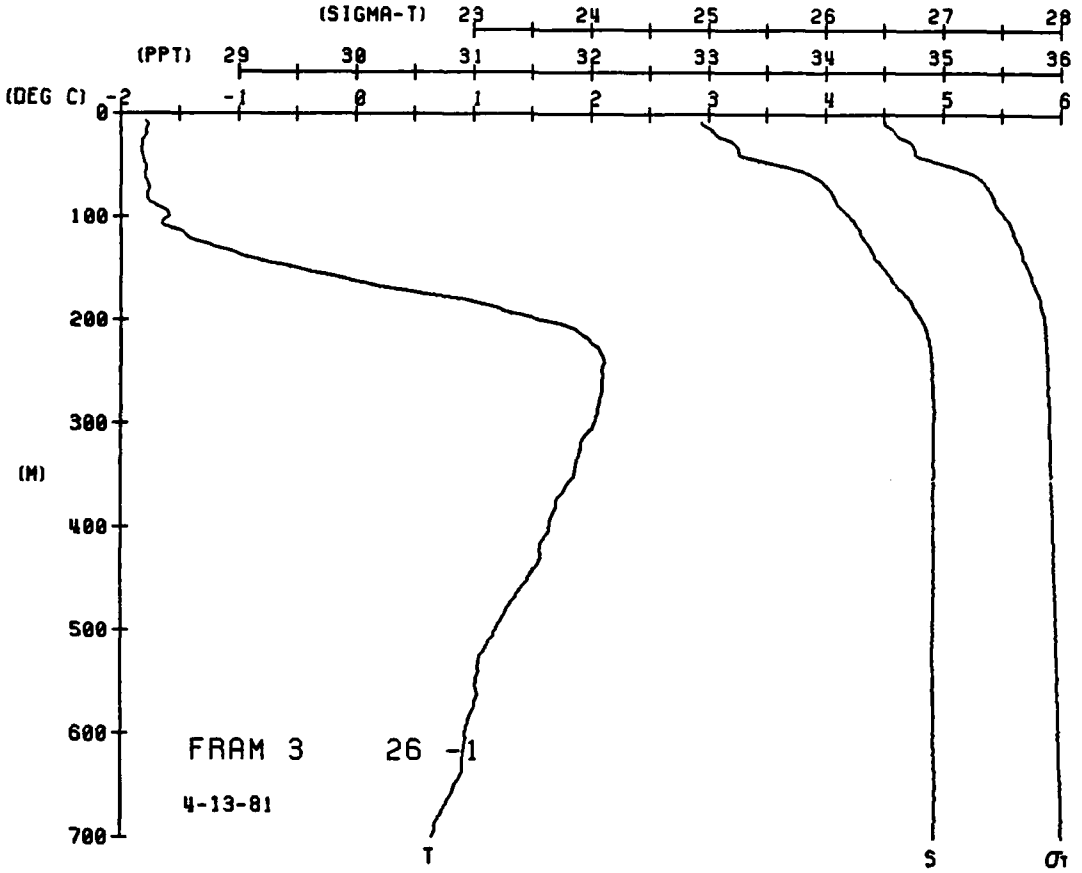


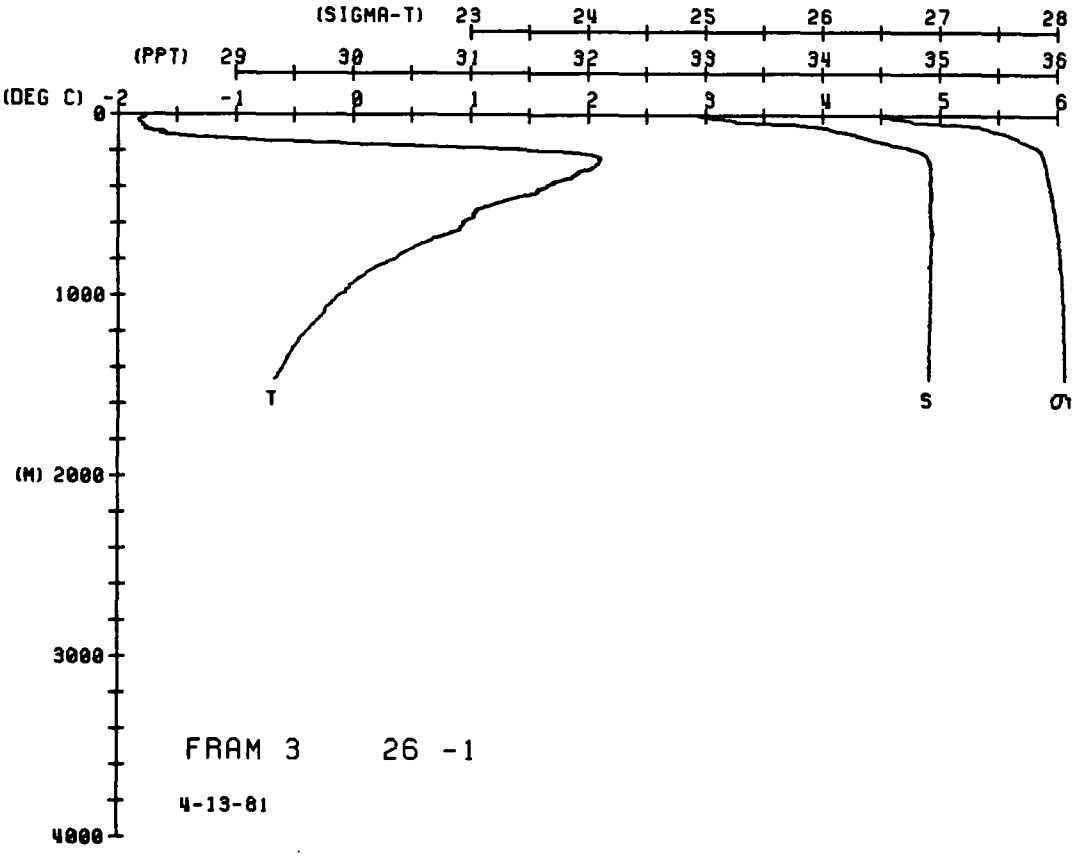
FRAM 3 25 -1

4-13-81

FRAM 3 STATION 27(1) CTD 13/APR/1981 1435 GMT CODE = 5
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AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

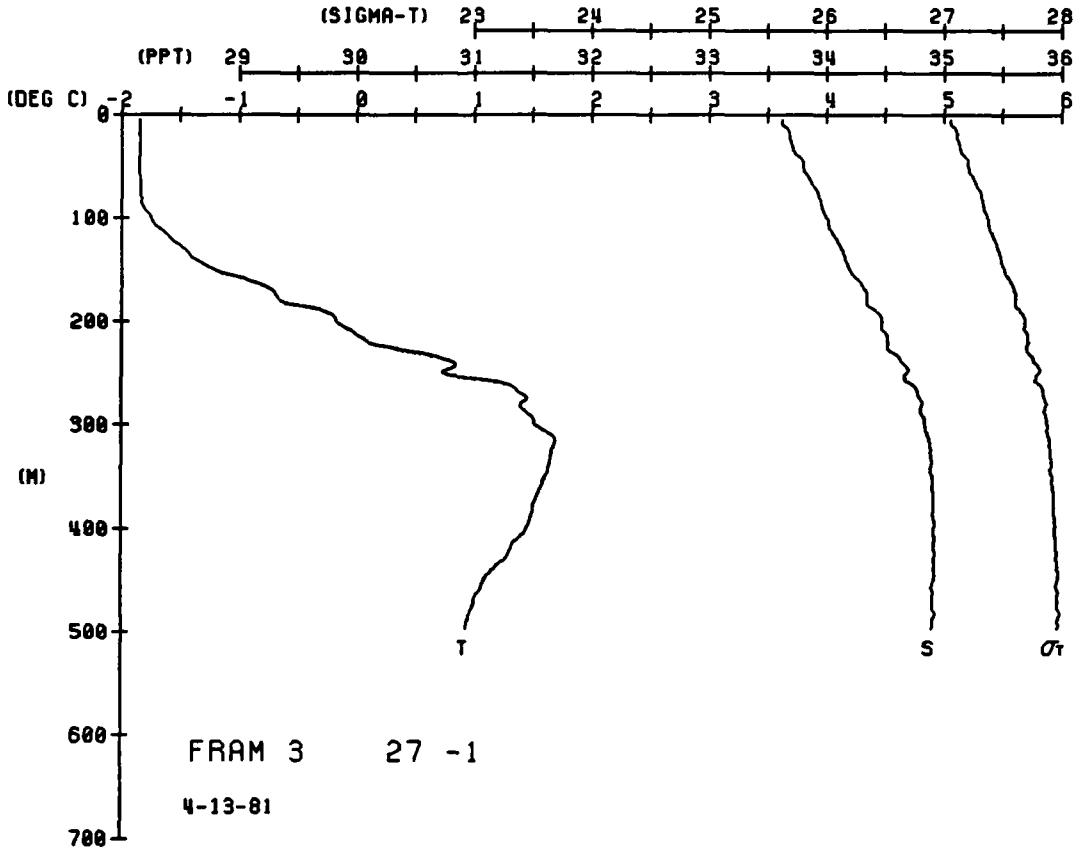
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	33.62	27.06	98.9	0.000	1438.8
4.0	-1.85	-1.85	33.62	27.06	98.9	0.004	1438.8
5.0	-1.85	-1.85	33.62	27.06	99.0	0.005	1438.9
10.0	-1.85	-1.85	33.63	27.07	98.1	0.010	1438.9
15.0	-1.85	-1.85	33.68	27.11	94.5	0.015	1439.1
20.0	-1.85	-1.85	33.69	27.11	93.9	0.020	1439.2
25.0	-1.85	-1.85	33.70	27.12	93.0	0.024	1439.3
30.0	-1.85	-1.85	33.71	27.13	91.9	0.029	1439.4
35.0	-1.85	-1.85	33.72	27.14	90.9	0.034	1439.5
40.0	-1.85	-1.85	33.76	27.18	87.8	0.038	1439.6
45.0	-1.85	-1.85	33.80	27.20	85.1	0.043	1439.7
50.0	-1.85	-1.85	33.80	27.21	84.8	0.047	1439.8
55.0	-1.85	-1.85	33.82	27.22	83.4	0.051	1439.9
60.0	-1.85	-1.85	33.85	27.24	81.3	0.055	1440.1
65.0	-1.85	-1.85	33.87	27.26	79.5	0.059	1440.2
70.0	-1.85	-1.85	33.90	27.29	77.1	0.063	1440.3
75.0	-1.85	-1.85	33.93	27.31	74.9	0.067	1440.4
80.0	-1.84	-1.84	33.94	27.32	73.9	0.071	1440.6
85.0	-1.83	-1.83	33.96	27.33	72.6	0.075	1440.7
90.0	-1.81	-1.81	33.97	27.34	71.6	0.078	1440.9
95.0	-1.77	-1.77	33.99	27.36	70.3	0.082	1441.2
100.0	-1.74	-1.74	34.01	27.37	68.7	0.085	1441.5
110.0	-1.67	-1.68	34.03	27.39	67.2	0.092	1442.0
120.0	-1.57	-1.57	34.09	27.44	62.8	0.099	1442.7
130.0	-1.46	-1.46	34.14	27.47	59.6	0.105	1443.5
140.0	-1.36	-1.37	34.16	27.49	57.9	0.111	1444.1
150.0	-1.21	-1.22	34.20	27.51	55.3	0.117	1445.1
160.0	-0.92	-0.92	34.28	27.56	50.7	0.122	1446.7
170.0	-0.71	-0.72	34.34	27.61	46.7	0.127	1447.9
180.0	-0.64	-0.65	34.35	27.61	46.2	0.132	1448.4
190.0	-0.27	-0.27	34.44	27.67	41.5	0.136	1450.4
200.0	-0.16	-0.17	34.48	27.70	38.7	0.140	1451.1
210.0	-0.03	-0.03	34.51	27.71	37.5	0.144	1452.0
220.0	0.11	0.10	34.53	27.72	36.3	0.148	1452.8
230.0	0.54	0.53	34.57	27.73	36.0	0.151	1455.0
240.0	0.84	0.83	34.66	27.78	30.9	0.155	1456.6
250.0	0.74	0.73	34.68	27.80	29.2	0.158	1456.3
260.0	1.28	1.27	34.74	27.82	27.9	0.161	1459.0
270.0	1.41	1.40	34.80	27.85	25.0	0.163	1459.9
280.0	1.40	1.39	34.82	27.87	23.1	0.166	1460.0
290.0	1.49	1.47	34.83	27.87	23.2	0.168	1460.6
300.0	1.52	1.51	34.85	27.89	21.8	0.170	1460.9
310.0	1.68	1.66	34.87	27.89	21.6	0.173	1461.8
320.0	1.68	1.66	34.89	27.91	20.4	0.175	1462.0
330.0	1.65	1.64	34.89	27.91	19.6	0.177	1462.1
340.0	1.64	1.62	34.90	27.92	19.3	0.179	1462.1
350.0	1.60	1.59	34.91	27.93	18.0	0.181	1462.2
360.0	1.58	1.56	34.91	27.93	18.0	0.182	1462.2
370.0	1.54	1.52	34.92	27.94	17.2	0.184	1462.2
380.0	1.51	1.49	34.92	27.94	17.0	0.186	1462.3
390.0	1.48	1.46	34.92	27.95	16.4	0.188	1462.3
400.0	1.45	1.43	34.92	27.95	16.2	0.189	1462.4
410.0	1.37	1.35	34.92	27.96	15.5	0.191	1462.2
420.0	1.31	1.29	34.92	27.96	15.0	0.192	1462.1
430.0	1.26	1.24	34.93	27.97	14.3	0.194	1462.0
440.0	1.16	1.14	34.92	27.97	13.8	0.195	1461.7
450.0	1.09	1.07	34.92	27.97	13.7	0.197	1461.6
460.0	1.05	1.02	34.91	27.97	13.7	0.198	1461.5
470.0	1.00	0.98	34.91	27.98	13.5	0.199	1461.5
480.0	0.97	0.95	34.92	27.99	12.5	0.201	1461.6
490.0	0.94	0.92	34.91	27.98	13.5	0.202	1461.6
496.0	0.94	0.91	34.90	27.97	14.1	0.203	1461.6


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 26 -1
4-13-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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FRAM 3 26 -1
4-13-81

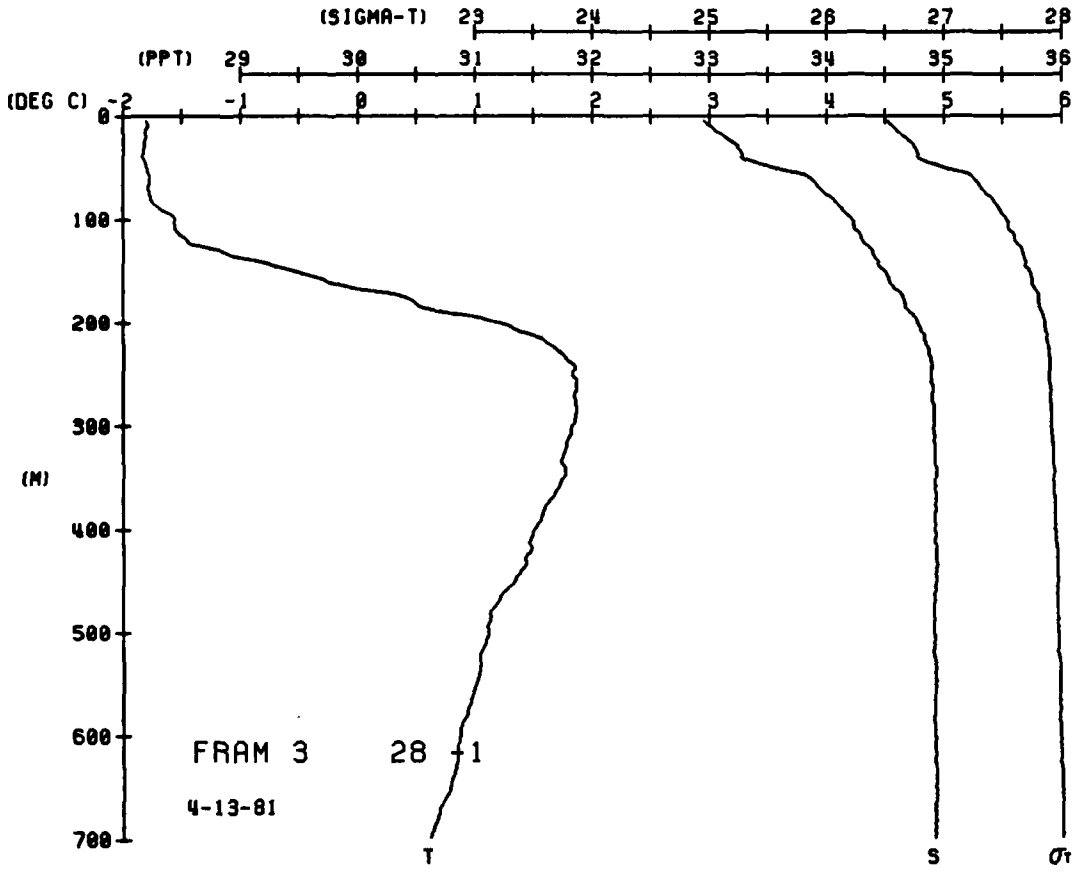
FRAM 3 STATION 28(1) CTD 13/APR/1981 1452 GMT CODE = 5
LAT = 83.0612N LNG = 7.2638E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

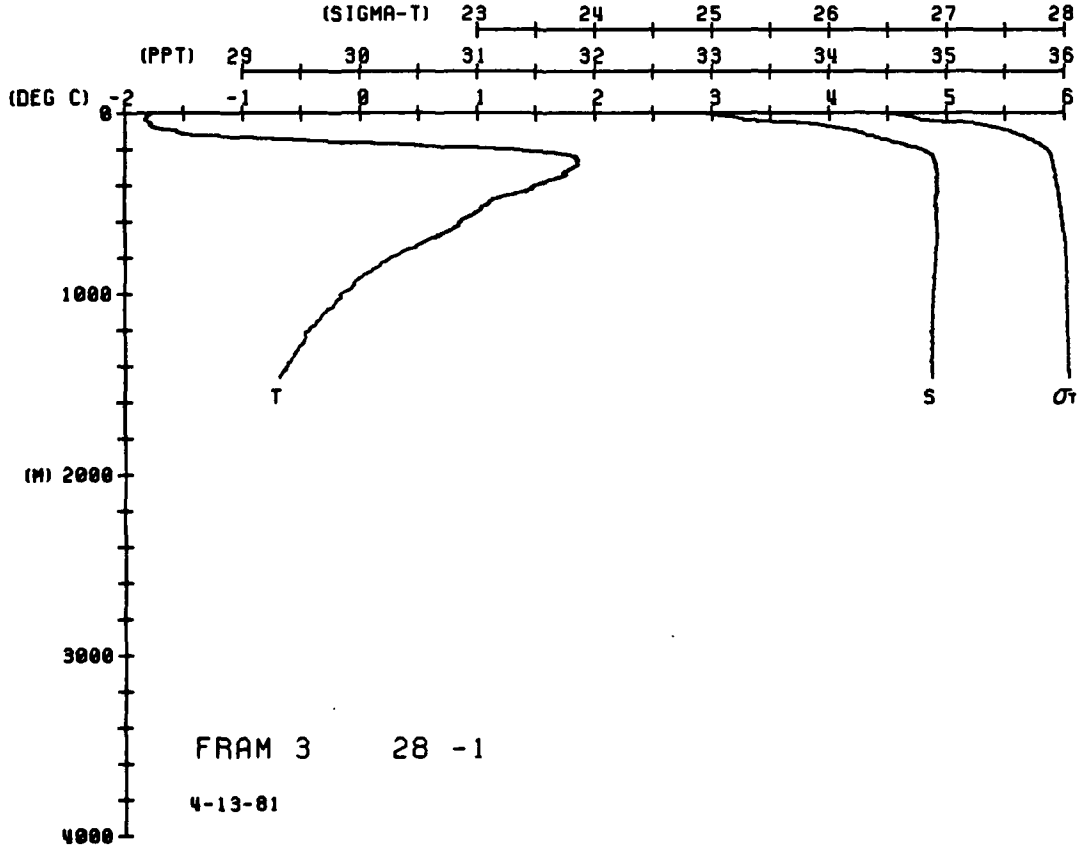
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	32.95	26.51	151.1	0.000	1438.0
4.0	-1.82	-1.82	32.95	26.51	151.0	0.006	1438.0
5.0	-1.80	-1.80	32.96	26.52	150.0	0.008	1438.1
10.0	-1.79	-1.79	33.02	26.57	145.6	0.015	1438.4
15.0	-1.81	-1.81	33.07	26.61	141.7	0.022	1438.4
20.0	-1.80	-1.81	33.13	26.66	137.0	0.029	1438.6
25.0	-1.82	-1.82	33.20	26.72	131.2	0.036	1438.7
30.0	-1.82	-1.82	33.24	26.75	128.2	0.043	1438.8
35.0	-1.83	-1.83	33.27	26.77	126.1	0.049	1438.9
40.0	-1.82	-1.82	33.28	26.78	125.2	0.056	1439.0
45.0	-1.80	-1.81	33.39	26.87	116.6	0.062	1439.4
50.0	-1.79	-1.80	33.54	27.00	104.7	0.067	1439.7
55.0	-1.78	-1.78	33.75	27.17	88.6	0.072	1440.2
60.0	-1.77	-1.77	33.86	27.25	80.4	0.076	1440.5
65.0	-1.77	-1.78	33.91	27.30	76.3	0.080	1440.6
70.0	-1.78	-1.79	33.95	27.33	73.4	0.084	1440.7
75.0	-1.77	-1.77	33.99	27.36	70.1	0.088	1440.9
80.0	-1.76	-1.77	34.06	27.41	65.0	0.091	1441.1
85.0	-1.74	-1.74	34.10	27.45	61.9	0.094	1441.4
90.0	-1.67	-1.67	34.14	27.47	59.2	0.097	1441.6
95.0	-1.60	-1.60	34.17	27.50	56.5	0.100	1442.3
100.0	-1.55	-1.56	34.22	27.54	53.3	0.103	1442.6
110.0	-1.55	-1.55	34.24	27.56	51.2	0.108	1442.9
120.0	-1.46	-1.46	34.30	27.60	47.0	0.113	1443.5
130.0	-1.17	-1.18	34.39	27.66	41.2	0.118	1445.2
140.0	-0.88	-0.88	34.43	27.69	38.9	0.122	1446.8
150.0	-0.55	-0.55	34.50	27.73	35.5	0.126	1448.6
160.0	-0.26	-0.26	34.54	27.74	34.1	0.129	1450.1
170.0	0.17	0.17	34.62	27.79	29.9	0.132	1452.4
180.0	0.49	0.48	34.66	27.81	28.6	0.135	1454.0
190.0	0.75	0.75	34.72	27.83	26.0	0.138	1455.5
200.0	1.20	1.19	34.78	27.86	24.2	0.141	1457.7
210.0	1.42	1.41	34.82	27.87	23.0	0.143	1458.9
220.0	1.62	1.61	34.85	27.88	22.6	0.145	1460.0
230.0	1.74	1.73	34.87	27.89	21.9	0.148	1460.7
240.0	1.83	1.81	34.89	27.90	21.0	0.150	1461.3
250.0	1.83	1.82	34.89	27.90	21.0	0.152	1461.5
260.0	1.87	1.85	34.90	27.90	20.5	0.154	1461.8
270.0	1.85	1.84	34.90	27.90	20.8	0.156	1461.9
280.0	1.86	1.84	34.91	27.91	20.0	0.158	1462.2
290.0	1.86	1.84	34.91	27.91	19.6	0.160	1462.3
300.0	1.83	1.81	34.91	27.91	19.7	0.162	1462.3
310.0	1.81	1.79	34.92	27.92	19.1	0.164	1462.4
320.0	1.77	1.76	34.92	27.92	18.6	0.166	1462.5
330.0	1.75	1.73	34.92	27.93	18.6	0.168	1462.5
340.0	1.76	1.74	34.92	27.93	18.4	0.170	1462.7
350.0	1.75	1.73	34.92	27.93	18.5	0.172	1462.8
360.0	1.70	1.68	34.92	27.93	18.3	0.174	1462.8
370.0	1.65	1.63	34.93	27.94	17.3	0.175	1462.8
380.0	1.59	1.57	34.92	27.94	17.1	0.177	1462.7
390.0	1.57	1.54	34.92	27.94	17.3	0.179	1462.7
400.0	1.51	1.49	34.92	27.94	16.9	0.181	1462.6
410.0	1.47	1.45	34.92	27.95	16.6	0.182	1462.6
420.0	1.48	1.45	34.93	27.95	16.0	0.184	1462.8
430.0	1.43	1.40	34.93	27.96	15.7	0.185	1462.8
440.0	1.38	1.36	34.92	27.96	15.7	0.187	1462.7
450.0	1.33	1.30	34.92	27.96	15.1	0.189	1462.6
460.0	1.25	1.23	34.92	27.96	15.3	0.190	1462.5
470.0	1.20	1.18	34.92	27.96	14.9	0.192	1462.4
480.0	1.13	1.11	34.91	27.96	14.9	0.193	1462.2
490.0	1.12	1.09	34.91	27.97	14.6	0.195	1462.3
500.0	1.12	1.09	34.91	27.97	14.4	0.196	1462.5
530.0	1.04	1.01	34.92	27.98	13.4	0.200	1462.7
560.0	0.98	0.95	34.92	27.98	13.2	0.204	1462.9
590.0	0.88	0.85	34.92	27.99	12.7	0.208	1463.0
620.0	0.85	0.82	34.92	27.99	12.1	0.212	1463.3
650.0	0.78	0.75	34.92	28.00	11.4	0.216	1463.5
680.0	0.68	0.64	34.92	28.00	10.9	0.219	1463.6
710.0	0.56	0.53	34.92	28.01	10.4	0.222	1463.6
740.0	0.49	0.45	34.92	28.01	9.9	0.225	1463.7
790.0	0.31	0.27	34.90	28.01	9.7	0.230	1463.7
840.0	0.17	0.14	34.91	28.02	8.4	0.235	1464.0
890.0	0.06	0.02	34.90	28.02	8.1	0.239	1464.3
940.0	-0.05	-0.09	34.90	28.03	7.3	0.243	1464.6
990.0	-0.12	-0.16	34.89	28.02	7.3	0.247	1465.1
1040.0	-0.19	-0.24	34.89	28.03	6.7	0.250	1465.6
1090.0	-0.27	-0.32	34.89	28.03	6.1	0.254	1466.1
1140.0	-0.34	-0.39	34.89	28.03	5.9	0.257	1466.6
1190.0	-0.41	-0.46	34.88	28.03	5.3	0.260	1467.2
1240.0	-0.47	-0.52	34.88	28.04	5.0	0.262	1467.7
1290.0	-0.50	-0.56	34.88	28.03	4.9	0.265	1468.4
1340.0	-0.56	-0.62	34.88	28.04	4.3	0.267	1469.0
1390.0	-0.62	-0.68	34.88	28.04	3.9	0.269	1469.6
1440.0	-0.67	-0.73	34.88	28.04	3.4	0.271	1470.2
1464.9	-0.69	-0.76	34.88	28.04	3.2	0.272	1470.5


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 27 -1
4-13-81

FRAM 3 STATION 29(1) CTD 13/APR/1981 1950 GMT CODE = 5
LAT = 83.0538N LNG = 7.2155E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.05	26.60	143.1	0.000	1438.2
4.0	-1.80	-1.81	33.05	26.60	143.0	0.006	1438.2
5.0	-1.81	-1.81	33.06	26.60	142.4	0.007	1438.2
10.0	-1.82	-1.82	33.11	26.65	138.3	0.014	1438.3
15.0	-1.82	-1.82	33.12	26.66	137.3	0.021	1438.4
20.0	-1.82	-1.82	33.13	26.66	136.4	0.028	1438.6
25.0	-1.82	-1.82	33.21	26.73	130.5	0.035	1438.7
30.0	-1.79	-1.80	33.22	26.73	129.9	0.042	1438.9
35.0	-1.81	-1.81	33.23	26.74	128.9	0.048	1439.0
40.0	-1.81	-1.81	33.25	26.76	127.6	0.055	1439.1
45.0	-1.81	-1.81	33.37	26.85	118.2	0.061	1439.3
50.0	-1.79	-1.79	33.55	27.01	103.9	0.066	1439.8
55.0	-1.79	-1.79	33.69	27.12	93.1	0.071	1440.0
60.0	-1.79	-1.79	33.79	27.20	85.4	0.076	1440.3
65.0	-1.78	-1.78	33.87	27.26	79.6	0.080	1440.5
70.0	-1.76	-1.77	33.93	27.31	75.1	0.084	1440.7
75.0	-1.76	-1.76	33.99	27.36	70.4	0.088	1440.9
80.0	-1.75	-1.75	34.06	27.42	64.9	0.091	1441.2
85.0	-1.72	-1.72	34.07	27.43	64.0	0.094	1441.4
90.0	-1.69	-1.69	34.10	27.45	62.0	0.097	1441.7
95.0	-1.65	-1.65	34.10	27.45	61.7	0.101	1442.0
100.0	-1.61	-1.61	34.16	27.49	57.5	0.104	1442.3
110.0	-1.53	-1.53	34.24	27.56	51.4	0.109	1443.0
120.0	-1.48	-1.48	34.29	27.59	47.8	0.114	1443.4
130.0	-1.39	-1.39	34.34	27.64	43.9	0.119	1444.1
140.0	-1.17	-1.17	34.39	27.66	41.3	0.123	1445.4
150.0	-0.82	-0.83	34.45	27.70	38.1	0.127	1447.2
160.0	-0.49	-0.50	34.50	27.73	35.2	0.131	1449.0
170.0	-0.15	-0.16	34.57	27.77	32.0	0.134	1450.8
180.0	0.28	0.27	34.62	27.78	30.6	0.137	1453.0
190.0	0.70	0.69	34.70	27.82	27.3	0.140	1455.2
200.0	1.02	1.01	34.77	27.86	24.2	0.143	1456.9
210.0	1.26	1.25	34.79	27.86	23.8	0.145	1458.2
220.0	1.50	1.49	34.83	27.87	23.0	0.148	1459.5
230.0	1.65	1.64	34.84	27.87	23.4	0.150	1460.3
240.0	1.76	1.75	34.88	27.89	21.5	0.152	1461.0
250.0	1.79	1.78	34.89	27.90	21.0	0.154	1461.3
260.0	1.77	1.76	34.89	27.90	20.7	0.157	1461.4
270.0	1.76	1.75	34.90	27.91	20.0	0.159	1461.5
280.0	1.86	1.84	34.91	27.91	19.9	0.161	1462.2
290.0	1.85	1.83	34.92	27.92	19.2	0.163	1462.3
300.0	1.83	1.81	34.92	27.92	19.2	0.165	1462.4
310.0	1.82	1.80	34.92	27.92	18.6	0.167	1462.5
320.0	1.80	1.79	34.93	27.93	18.4	0.168	1462.6
330.0	1.77	1.75	34.92	27.93	18.4	0.170	1462.6
340.0	1.71	1.69	34.92	27.93	18.0	0.172	1462.5
350.0	1.62	1.60	34.91	27.93	18.2	0.174	1462.3
360.0	1.58	1.56	34.92	27.94	17.2	0.176	1462.3
370.0	1.58	1.56	34.92	27.94	17.0	0.177	1462.4
380.0	1.59	1.57	34.92	27.94	17.0	0.179	1462.6
390.0	1.54	1.52	34.93	27.95	16.5	0.181	1462.6
400.0	1.51	1.49	34.94	27.96	15.6	0.183	1462.6
410.0	1.50	1.47	34.93	27.95	15.9	0.184	1462.7
420.0	1.46	1.43	34.93	27.96	15.6	0.186	1462.7
430.0	1.40	1.38	34.92	27.95	16.2	0.187	1462.6
440.0	1.34	1.31	34.92	27.96	15.3	0.189	1462.5
450.0	1.29	1.27	34.92	27.96	15.3	0.190	1462.5
460.0	1.23	1.20	34.92	27.97	14.8	0.192	1462.3
470.0	1.15	1.13	34.92	27.97	14.4	0.193	1462.2
480.0	1.08	1.05	34.90	27.96	14.9	0.195	1462.0
490.0	1.03	1.01	34.90	27.97	14.5	0.196	1462.0
500.0	1.05	1.03	34.91	27.97	13.9	0.198	1462.2
530.0	1.03	1.00	34.92	27.98	13.5	0.202	1462.6
560.0	0.94	0.91	34.92	27.98	13.1	0.206	1462.7
590.0	0.91	0.88	34.93	27.99	12.1	0.210	1463.1
620.0	0.84	0.81	34.93	28.00	11.2	0.213	1463.3
650.0	0.74	0.71	34.92	28.00	11.6	0.217	1463.4
680.0	0.65	0.61	34.92	28.00	10.7	0.220	1463.4
710.0	0.56	0.52	34.92	28.01	10.2	0.223	1463.5
740.0	0.47	0.43	34.92	28.01	9.7	0.227	1463.6
790.0	0.27	0.23	34.91	28.02	8.9	0.231	1463.5
840.0	0.14	0.10	34.90	28.02	8.3	0.236	1463.8
890.0	0.03	-0.01	34.90	28.02	8.0	0.240	1464.1
940.0	-0.07	-0.11	34.90	28.03	7.3	0.244	1464.5
990.0	-0.14	-0.18	34.89	28.02	7.5	0.247	1465.0
1040.0	-0.22	-0.27	34.89	28.03	6.4	0.251	1465.5
1090.0	-0.28	-0.33	34.89	28.03	6.1	0.254	1466.1
1140.0	-0.34	-0.39	34.89	28.03	5.8	0.257	1466.6
1190.0	-0.40	-0.45	34.88	28.03	5.6	0.260	1467.2
1240.0	-0.45	-0.51	34.88	28.03	5.1	0.263	1467.8
1290.0	-0.52	-0.58	34.88	28.03	4.7	0.265	1468.3
1340.0	-0.57	-0.63	34.88	28.04	4.3	0.267	1468.9
1390.0	-0.61	-0.68	34.87	28.04	4.2	0.270	1469.6
1440.0	-0.67	-0.73	34.87	28.03	4.0	0.272	1470.2
1457.0	-0.69	-0.75	34.87	28.04	3.7	0.272	1470.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
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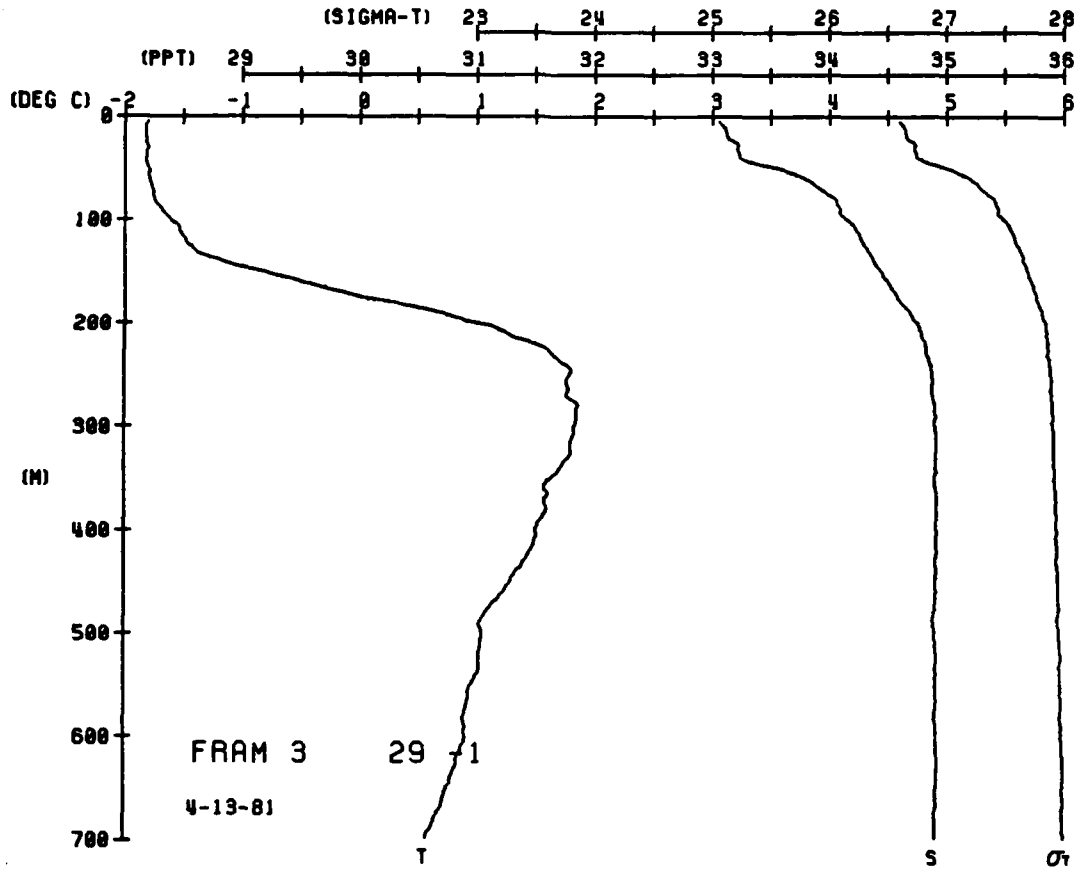

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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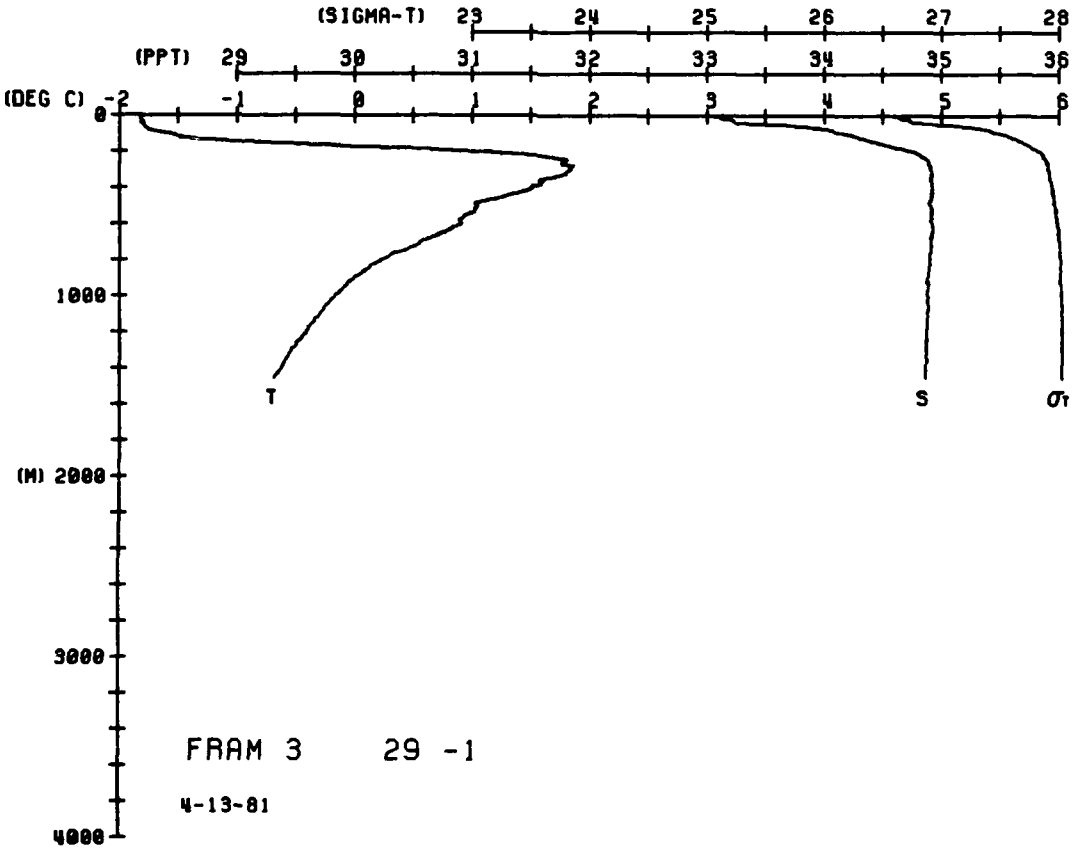
FRAM 3 STATION 30(1) CTD 13/APR/1981 2225 GMT CODE = 5
LAT = 83.0700N LNG = 22.3950E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.87	-1.87	34.01	27.38	68.8	0.000	1439.2
4.0	-1.87	-1.87	34.01	27.38	68.8	0.003	1439.3
5.0	-1.87	-1.87	34.01	27.38	68.6	0.003	1439.3
10.0	-1.87	-1.87	34.02	27.39	68.2	0.007	1439.4
15.0	-1.87	-1.87	34.02	27.39	68.0	0.010	1439.5
20.0	-1.87	-1.87	34.04	27.40	66.4	0.014	1439.6
25.0	-1.87	-1.87	34.07	27.42	64.4	0.017	1439.7
30.0	-1.86	-1.86	34.10	27.45	62.1	0.020	1439.9
35.0	-1.86	-1.86	34.10	27.45	61.7	0.023	1440.0
40.0	-1.85	-1.85	34.13	27.47	59.6	0.026	1440.1
45.0	-1.84	-1.84	34.17	27.50	56.8	0.029	1440.3
50.0	-1.85	-1.85	34.18	27.52	55.5	0.032	1440.4
55.0	-1.84	-1.84	34.18	27.52	55.4	0.035	1440.5
60.0	-1.82	-1.82	34.20	27.53	53.7	0.038	1440.7
65.0	-1.80	-1.81	34.22	27.54	52.9	0.041	1440.9
70.0	-1.80	-1.80	34.24	27.56	51.2	0.043	1441.0
75.0	-1.78	-1.78	34.25	27.57	50.2	0.046	1441.2
80.0	-1.77	-1.78	34.28	27.59	48.0	0.048	1441.4
85.0	-1.76	-1.76	34.29	27.60	47.2	0.051	1441.5
90.0	-1.75	-1.76	34.31	27.62	45.8	0.053	1441.7
95.0	-1.75	-1.76	34.32	27.63	44.6	0.055	1441.8
100.0	-1.75	-1.76	34.33	27.64	44.0	0.057	1441.9
110.0	-1.73	-1.73	34.34	27.64	43.2	0.062	1442.2
120.0	-1.60	-1.60	34.35	27.65	42.9	0.066	1442.9
130.0	-1.55	-1.55	34.37	27.66	41.1	0.070	1443.4
140.0	-1.12	-1.13	34.39	27.67	41.0	0.075	1445.6
150.0	-0.76	-0.77	34.45	27.70	38.4	0.079	1447.5
160.0	-0.41	-0.41	34.50	27.72	36.0	0.082	1449.4
170.0	-0.01	-0.02	34.54	27.74	34.6	0.086	1451.4
180.0	0.38	0.37	34.62	27.78	31.3	0.089	1453.5
190.0	0.60	0.60	34.66	27.80	29.4	0.092	1454.7
200.0	0.85	0.84	34.71	27.82	27.5	0.095	1456.1
210.0	1.08	1.07	34.76	27.85	24.9	0.098	1457.3
220.0	1.33	1.32	34.79	27.85	24.8	0.100	1458.7
230.0	1.60	1.59	34.83	27.87	23.6	0.103	1460.1
240.0	1.82	1.81	34.87	27.88	22.1	0.105	1461.3
250.0	1.86	1.85	34.89	27.89	21.5	0.107	1461.6
260.0	1.87	1.86	34.90	27.90	20.9	0.110	1461.9
270.0	1.89	1.87	34.91	27.91	20.2	0.112	1462.1
280.0	1.89	1.88	34.92	27.92	19.1	0.114	1462.3
290.0	1.80	1.79	34.91	27.91	19.6	0.116	1462.1
300.0	1.77	1.75	34.92	27.92	18.6	0.118	1462.1
310.0	1.79	1.77	34.91	27.92	19.2	0.119	1462.3
320.0	1.83	1.81	34.93	27.93	18.5	0.121	1462.7
330.0	1.82	1.80	34.94	27.94	17.7	0.123	1462.8
340.0	1.81	1.79	34.93	27.93	18.3	0.125	1463.0
350.0	1.78	1.76	34.93	27.93	17.9	0.127	1463.0
360.0	1.75	1.73	34.95	27.95	16.6	0.129	1463.1
370.0	1.71	1.69	34.94	27.95	16.4	0.130	1463.1
380.0	1.69	1.67	34.95	27.95	16.0	0.132	1463.1
390.0	1.65	1.63	34.94	27.95	16.0	0.133	1463.1
400.0	1.60	1.57	34.95	27.96	15.4	0.135	1463.0
410.0	1.55	1.52	34.95	27.96	15.1	0.137	1463.0
420.0	1.51	1.49	34.94	27.96	15.2	0.138	1463.0
430.0	1.48	1.46	34.94	27.97	14.9	0.140	1463.0
440.0	1.44	1.42	34.95	27.98	13.9	0.141	1463.0
450.0	1.40	1.38	34.95	27.98	14.0	0.143	1463.0
460.0	1.38	1.35	34.95	27.98	13.7	0.144	1463.1
470.0	1.36	1.33	34.95	27.98	13.5	0.145	1463.1
480.0	1.33	1.31	34.96	27.99	12.9	0.147	1463.2
490.0	1.30	1.27	34.95	27.98	13.1	0.148	1463.2
498.0	1.27	1.24	34.94	27.98	13.5	0.149	1463.2

FRAM 3 STATION 31(1) CTD 13/APR/1981 2334 GMT CODE = 5
LAT = 83.0917N LNG = 19.9483E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

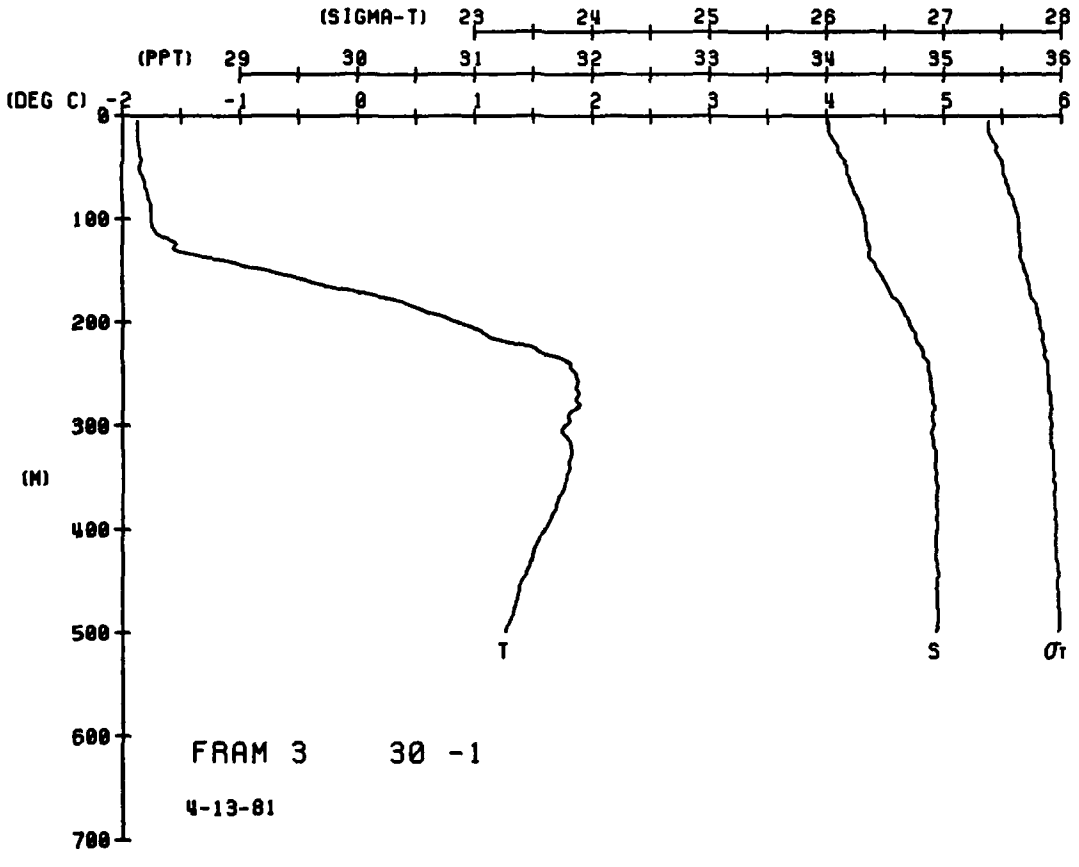
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.90	-1.90	33.94	27.33	73.9	0.000	1438.9
4.0	-1.90	-1.91	33.94	27.33	73.9	0.003	1439.0
5.0	-1.90	-1.91	33.95	27.33	73.4	0.004	1439.0
10.0	-1.90	-1.90	33.98	27.35	71.2	0.007	1439.2
15.0	-1.90	-1.90	34.02	27.38	68.2	0.011	1439.3
20.0	-1.90	-1.90	34.05	27.41	65.9	0.014	1439.4
25.0	-1.90	-1.91	34.11	27.46	60.9	0.018	1439.6
30.0	-1.91	-1.91	34.18	27.52	55.4	0.020	1439.8
35.0	-1.92	-1.92	34.24	27.57	50.7	0.023	1439.9
40.0	-1.92	-1.92	34.26	27.58	49.2	0.026	1440.0
45.0	-1.93	-1.93	34.29	27.60	47.2	0.028	1440.1
50.0	-1.93	-1.93	34.30	27.61	46.2	0.030	1440.2
55.0	-1.93	-1.94	34.32	27.63	44.9	0.033	1440.2
60.0	-1.93	-1.94	34.32	27.63	44.7	0.035	1440.3
65.0	-1.93	-1.94	34.32	27.63	44.5	0.037	1440.4
70.0	-1.94	-1.94	34.34	27.65	43.1	0.039	1440.5
75.0	-1.94	-1.94	34.35	27.66	42.0	0.042	1440.6
80.0	-1.93	-1.94	34.39	27.69	39.1	0.044	1440.8
85.0	-1.92	-1.92	34.42	27.71	36.7	0.046	1440.9
90.0	-1.91	-1.92	34.43	27.72	35.9	0.047	1441.1
95.0	-1.89	-1.89	34.43	27.72	36.0	0.049	1441.3
100.0	-1.84	-1.85	34.43	27.72	36.1	0.051	1441.6
110.0	-1.79	-1.79	34.41	27.71	37.3	0.055	1442.0
120.0	-1.76	-1.76	34.40	27.69	38.6	0.059	1442.3
130.0	-1.74	-1.74	34.40	27.70	38.1	0.063	1442.5
140.0	-1.68	-1.68	34.40	27.69	38.4	0.066	1443.0
150.0	-1.38	-1.38	34.42	27.69	38.3	0.070	1444.6
160.0	-0.81	-0.82	34.45	27.70	38.1	0.074	1447.4
170.0	-0.40	-0.41	34.53	27.74	33.9	0.078	1449.6
180.0	0.03	0.02	34.59	27.77	31.3	0.081	1451.9
190.0	0.28	0.28	34.65	27.81	28.0	0.084	1453.3
200.0	0.61	0.60	34.67	27.80	29.0	0.087	1454.9
210.0	0.92	0.91	34.76	27.85	24.2	0.090	1456.6
220.0	1.21	1.20	34.78	27.86	24.1	0.092	1458.1
230.0	1.55	1.54	34.84	27.88	22.5	0.094	1459.9
240.0	1.74	1.72	34.89	27.90	20.1	0.097	1460.9
250.0	1.77	1.76	34.91	27.92	18.8	0.099	1461.3
260.0	1.81	1.80	34.91	27.92	19.0	0.100	1461.6
270.0	1.85	1.83	34.93	27.93	18.2	0.102	1462.0
280.0	1.85	1.83	34.94	27.94	17.3	0.104	1462.1
290.0	1.87	1.85	34.95	27.94	16.7	0.106	1462.4
300.0	1.89	1.87	34.97	27.95	16.0	0.108	1462.7
310.0	1.81	1.80	34.96	27.95	16.0	0.109	1462.5
320.0	1.83	1.82	34.96	27.95	15.6	0.111	1462.8
330.0	1.82	1.80	34.96	27.96	15.8	0.112	1462.9
340.0	1.78	1.76	34.97	27.97	14.8	0.114	1462.9
350.0	1.77	1.76	34.97	27.97	14.7	0.115	1463.0
360.0	1.75	1.73	34.97	27.97	14.6	0.117	1463.1
370.0	1.75	1.73	34.97	27.97	14.8	0.118	1463.3
380.0	1.69	1.67	34.98	27.98	13.5	0.120	1463.2
390.0	1.67	1.65	34.97	27.98	14.0	0.121	1463.3
400.0	1.65	1.63	34.98	27.98	13.6	0.123	1463.3
410.0	1.62	1.60	34.98	27.99	13.1	0.124	1463.4
420.0	1.57	1.55	34.99	27.99	12.3	0.125	1463.3
430.0	1.52	1.50	34.99	28.00	12.1	0.126	1463.3
440.0	1.48	1.46	34.98	27.99	12.5	0.128	1463.2
450.0	1.46	1.43	34.98	28.00	12.1	0.129	1463.3
460.0	1.43	1.41	34.97	27.99	12.2	0.130	1463.3
470.0	1.40	1.38	34.98	28.00	12.0	0.131	1463.4
480.0	1.37	1.34	34.98	28.00	11.7	0.133	1463.4
490.0	1.32	1.29	34.98	28.01	11.1	0.134	1463.3
498.0	1.28	1.25	34.98	28.01	11.1	0.135	1463.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
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FRAM 3 29 -1
4-13-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
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FRAM 3 29 -1
4-13-81

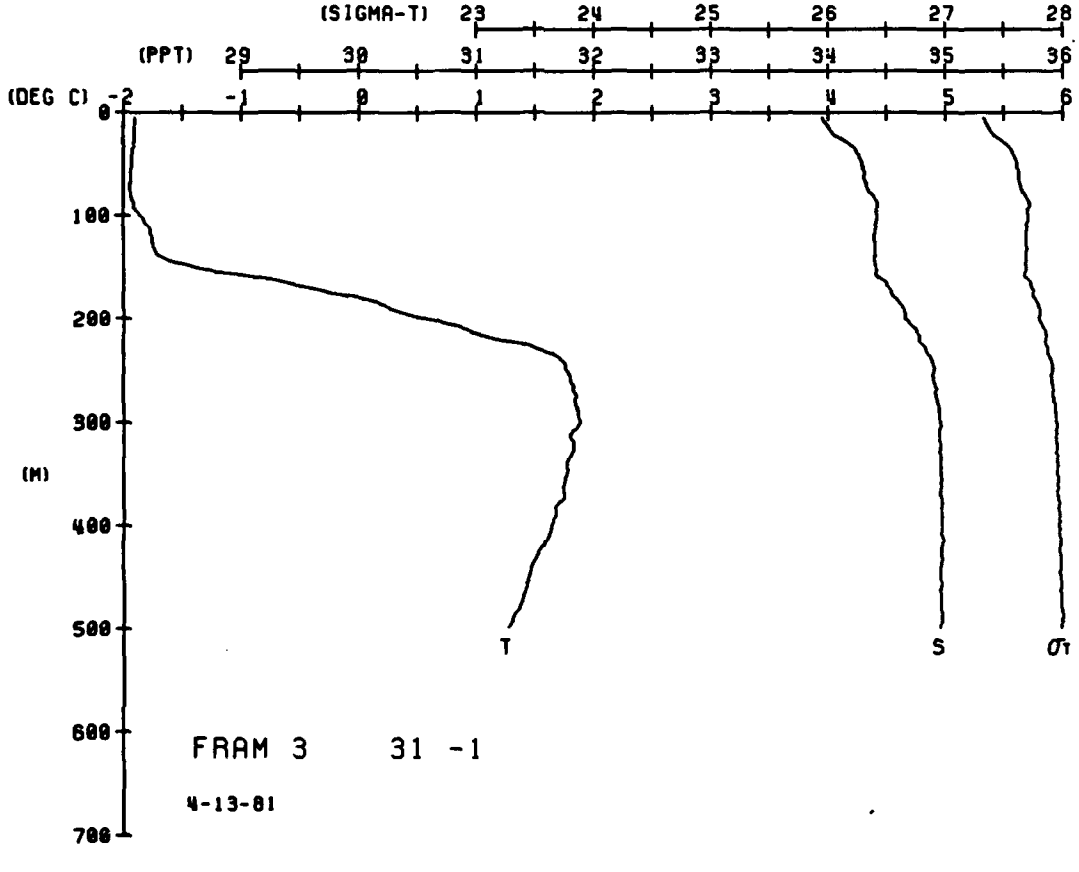
FRAM 3 STATION 32(1) CTD 14/APR/1981 811 GMT CODE = 5
LAT = 83.0398N LNG = 7.1187E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	32.99	26.55	147.5	0.000	1438.3
4.0	-1.76	-1.77	32.99	26.55	147.5	0.006	1438.3
5.0	-1.77	-1.77	33.01	26.56	146.5	0.007	1438.3
10.0	-1.78	-1.79	33.05	26.59	143.1	0.015	1438.4
15.0	-1.79	-1.79	33.08	26.62	140.5	0.022	1438.5
20.0	-1.79	-1.80	33.14	26.67	136.1	0.029	1438.7
25.0	-1.81	-1.81	33.20	26.72	131.2	0.036	1438.8
30.0	-1.82	-1.82	33.23	26.74	128.9	0.042	1438.9
35.0	-1.82	-1.82	33.26	26.76	127.0	0.049	1439.0
40.0	-1.80	-1.81	33.36	26.85	119.0	0.055	1439.2
45.0	-1.81	-1.81	33.51	26.97	107.4	0.061	1439.5
50.0	-1.83	-1.83	33.57	27.02	102.4	0.066	1439.6
55.0	-1.84	-1.84	33.65	27.08	96.5	0.071	1439.8
60.0	-1.84	-1.84	33.73	27.15	90.3	0.076	1440.0
65.0	-1.84	-1.84	33.79	27.20	85.2	0.080	1440.1
70.0	-1.83	-1.83	33.84	27.24	81.9	0.084	1440.3
75.0	-1.82	-1.82	33.88	27.27	78.6	0.088	1440.5
80.0	-1.81	-1.81	33.95	27.33	73.3	0.092	1440.7
85.0	-1.79	-1.80	33.99	27.36	70.0	0.096	1440.9
90.0	-1.79	-1.79	34.02	27.39	67.5	0.099	1441.1
95.0	-1.74	-1.75	34.07	27.42	63.9	0.103	1441.5
100.0	-1.68	-1.68	34.12	27.46	60.2	0.106	1441.9
110.0	-1.58	-1.59	34.18	27.51	55.8	0.112	1442.6
120.0	-1.47	-1.47	34.27	27.57	49.7	0.117	1443.4
130.0	-1.23	-1.23	34.33	27.61	45.9	0.122	1444.8
140.0	-1.04	-1.04	34.37	27.64	43.5	0.126	1445.9
150.0	-0.70	-0.70	34.43	27.68	39.8	0.131	1447.8
160.0	-0.29	-0.30	34.50	27.71	36.9	0.134	1449.9
170.0	0.05	0.04	34.55	27.74	34.5	0.138	1451.7
180.0	0.63	0.62	34.66	27.79	29.9	0.141	1454.7
190.0	1.10	1.09	34.74	27.83	27.0	0.144	1457.0
200.0	1.61	1.60	34.82	27.86	24.5	0.147	1459.6
210.0	1.61	1.60	34.83	27.86	23.8	0.149	1459.8
220.0	1.73	1.72	34.86	27.88	22.2	0.152	1460.5
230.0	2.06	2.05	34.91	27.90	21.2	0.154	1462.2
240.0	2.16	2.15	34.93	27.91	20.2	0.156	1462.8
250.0	2.14	2.13	34.93	27.91	20.2	0.158	1462.9
260.0	2.12	2.11	34.94	27.91	19.9	0.160	1463.0
270.0	2.13	2.11	34.95	27.92	19.3	0.162	1463.2
280.0	2.11	2.09	34.95	27.92	19.1	0.164	1463.3
290.0	2.06	2.05	34.95	27.93	18.6	0.166	1463.3
300.0	1.99	1.97	34.94	27.93	18.5	0.168	1463.1
310.0	1.78	1.77	34.93	27.93	17.7	0.170	1462.3
320.0	1.78	1.76	34.93	27.94	17.5	0.171	1462.5
330.0	1.74	1.72	34.93	27.94	17.4	0.173	1462.5
340.0	1.69	1.67	34.93	27.94	17.1	0.175	1462.4
350.0	1.65	1.63	34.94	27.95	16.5	0.177	1462.4
360.0	1.59	1.57	34.93	27.95	16.4	0.178	1462.3
370.0	1.48	1.46	34.92	27.95	16.2	0.180	1462.0
380.0	1.53	1.51	34.94	27.96	15.5	0.181	1462.4
390.0	1.48	1.45	34.94	27.96	15.3	0.183	1462.3
400.0	1.40	1.38	34.93	27.96	15.0	0.185	1462.2
410.0	1.33	1.31	34.93	27.96	14.9	0.186	1462.0
420.0	1.29	1.27	34.93	27.97	14.4	0.188	1462.0
430.0	1.23	1.21	34.92	27.97	14.5	0.189	1461.9
440.0	1.13	1.11	34.92	27.97	14.2	0.190	1461.6
450.0	1.11	1.09	34.92	27.97	14.0	0.192	1461.7
460.0	1.07	1.04	34.92	27.97	13.8	0.193	1461.6
470.0	1.03	1.01	34.92	27.98	13.3	0.195	1461.6
480.0	1.01	0.99	34.92	27.98	13.3	0.196	1461.7
490.0	0.97	0.95	34.92	27.98	12.9	0.197	1461.7
500.0	0.96	0.94	34.92	27.98	13.1	0.199	1461.9
530.0	0.89	0.87	34.92	27.99	12.5	0.203	1462.0
560.0	0.85	0.82	34.92	27.99	12.1	0.206	1462.3
590.0	0.81	0.78	34.92	28.00	11.6	0.210	1462.7
620.0	0.72	0.69	34.92	28.00	11.1	0.213	1462.7
650.0	0.60	0.57	34.92	28.01	10.5	0.217	1462.7
680.0	0.51	0.48	34.92	28.01	9.9	0.220	1462.8
710.0	0.41	0.37	34.91	28.01	9.6	0.223	1462.8
740.0	0.33	0.29	34.91	28.02	9.2	0.226	1463.0
790.0	0.22	0.18	34.91	28.02	8.4	0.230	1463.3
840.0	0.10	0.06	34.90	28.02	7.9	0.234	1463.6
890.0	-0.02	-0.06	34.90	28.03	7.3	0.238	1463.9
940.0	-0.08	-0.12	34.88	28.02	8.1	0.242	1464.4
990.0	-0.16	-0.20	34.90	28.03	6.4	0.246	1464.9
1040.0	-0.22	-0.27	34.89	28.03	6.5	0.249	1465.5
1090.0	-0.31	-0.35	34.89	28.03	5.9	0.252	1466.0
1140.0	-0.37	-0.42	34.89	28.03	5.6	0.255	1466.5
1190.0	-0.41	-0.46	34.89	28.03	5.3	0.258	1467.2
1240.0	-0.46	-0.51	34.88	28.03	5.0	0.260	1467.8
1290.0	-0.50	-0.56	34.88	28.04	4.7	0.263	1468.4
1340.0	-0.53	-0.59	34.88	28.03	4.7	0.265	1469.1
1390.0	-0.57	-0.63	34.88	28.04	4.3	0.267	1469.8
1440.0	-0.61	-0.67	34.87	28.03	4.5	0.270	1470.5
1459.0	-0.62	-0.69	34.87	28.03	4.3	0.270	1470.7



FRAM 3 30 -1

4-13-81



FRAM 3 31 -1

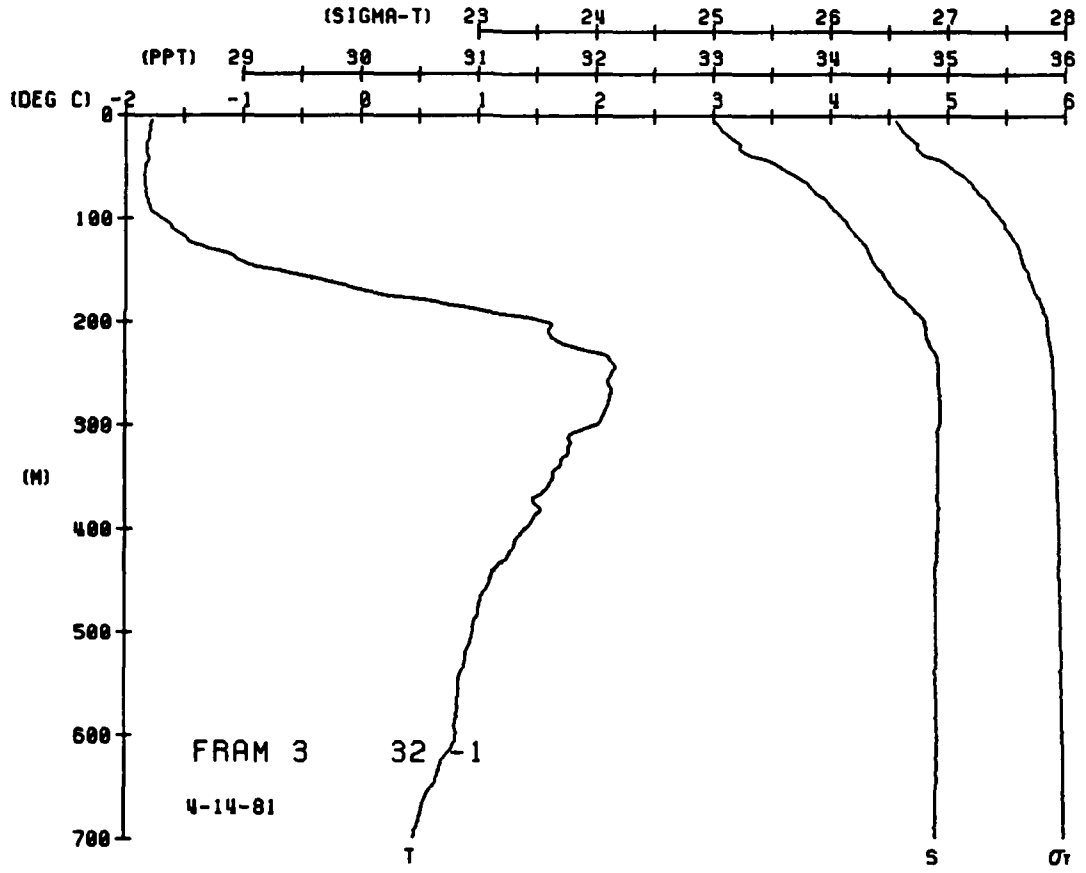
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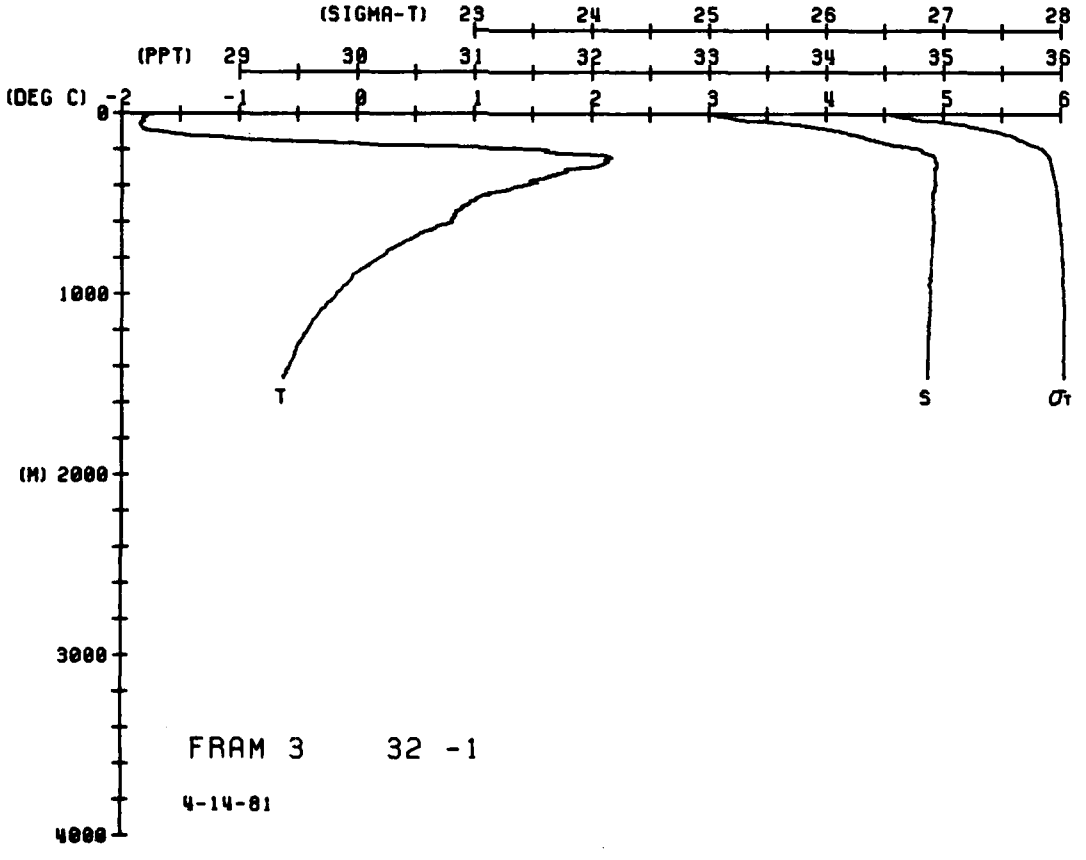
FRAM 3 STATION 33(1) CTD 14/APR/1981 943 GMT CODE = 5
LAT = 83.0363N LNG = 7.1140E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	33.03	26.58	145.0	0.000	1438.2
4.0	-1.78	-1.79	33.03	26.58	144.9	0.006	1438.3
5.0	-1.80	-1.80	33.04	26.59	143.6	0.007	1438.3
10.0	-1.81	-1.81	33.08	26.62	140.7	0.015	1438.3
15.0	-1.82	-1.82	33.11	26.64	138.5	0.022	1438.4
20.0	-1.82	-1.82	33.16	26.69	134.2	0.028	1438.6
25.0	-1.83	-1.83	33.23	26.74	129.2	0.035	1438.7
30.0	-1.83	-1.83	33.25	26.76	127.4	0.042	1438.8
35.0	-1.83	-1.83	33.25	26.76	127.0	0.048	1438.9
40.0	-1.83	-1.83	33.27	26.78	125.5	0.054	1439.0
45.0	-1.82	-1.82	33.40	26.88	115.9	0.061	1439.3
50.0	-1.84	-1.84	33.59	27.03	101.1	0.066	1439.6
55.0	-1.84	-1.84	33.67	27.10	95.0	0.071	1439.8
60.0	-1.84	-1.84	33.74	27.16	89.2	0.076	1440.0
65.0	-1.84	-1.84	33.79	27.20	85.8	0.080	1440.1
70.0	-1.84	-1.84	33.82	27.22	83.0	0.084	1440.3
75.0	-1.83	-1.83	33.87	27.26	79.1	0.088	1440.4
80.0	-1.81	-1.81	33.92	27.30	75.5	0.092	1440.7
85.0	-1.80	-1.80	33.96	27.33	72.7	0.096	1440.9
90.0	-1.79	-1.79	34.00	27.37	69.3	0.100	1441.1
95.0	-1.75	-1.75	34.05	27.40	65.8	0.103	1441.4
100.0	-1.72	-1.73	34.08	27.43	63.1	0.106	1441.6
110.0	-1.61	-1.61	34.16	27.50	57.2	0.112	1442.5
120.0	-1.52	-1.52	34.23	27.55	52.0	0.118	1443.2
130.0	-1.31	-1.31	34.32	27.61	46.0	0.123	1444.4
140.0	-0.89	-0.89	34.40	27.66	41.6	0.127	1446.7
150.0	-0.51	-0.52	34.47	27.70	38.0	0.131	1448.7
160.0	-0.22	-0.22	34.51	27.72	35.9	0.135	1450.3
170.0	0.11	0.10	34.57	27.75	33.4	0.139	1452.0
180.0	0.49	0.48	34.64	27.79	30.4	0.142	1454.0
190.0	1.05	1.04	34.74	27.83	26.6	0.145	1456.8
200.0	1.47	1.46	34.80	27.85	24.9	0.147	1459.0
210.0	1.59	1.58	34.82	27.86	23.9	0.150	1459.7
220.0	1.68	1.67	34.85	27.88	22.7	0.152	1460.3
230.0	2.03	2.02	34.91	27.89	21.3	0.154	1462.1
240.0	2.05	2.03	34.91	27.90	20.9	0.156	1462.3
250.0	2.16	2.14	34.94	27.91	20.0	0.159	1463.0
260.0	2.20	2.18	34.95	27.92	19.5	0.161	1463.4
270.0	2.11	2.09	34.94	27.91	19.6	0.163	1463.1
280.0	2.09	2.07	34.94	27.92	19.2	0.164	1463.2
290.0	2.04	2.02	34.95	27.93	18.3	0.166	1463.1
300.0	2.04	2.03	34.95	27.93	18.2	0.168	1463.4
310.0	1.99	1.97	34.95	27.93	17.9	0.170	1463.3
320.0	1.97	1.95	34.95	27.94	17.7	0.172	1463.4
330.0	1.76	1.75	34.94	27.94	17.2	0.174	1462.6
340.0	1.72	1.70	34.94	27.94	16.9	0.175	1462.6
350.0	1.68	1.66	34.94	27.94	16.8	0.177	1462.6
360.0	1.62	1.60	34.94	27.95	16.2	0.179	1462.5
370.0	1.50	1.48	34.93	27.95	16.0	0.180	1462.1
380.0	1.50	1.48	34.93	27.96	15.6	0.182	1462.2
390.0	1.46	1.44	34.93	27.96	15.4	0.184	1462.3
400.0	1.45	1.43	34.93	27.96	15.2	0.185	1462.4
410.0	1.39	1.37	34.93	27.96	15.1	0.187	1462.2
420.0	1.33	1.31	34.93	27.96	14.9	0.188	1462.2
430.0	1.26	1.24	34.92	27.97	14.6	0.190	1462.0
440.0	1.17	1.14	34.92	27.97	14.5	0.191	1461.8
450.0	1.07	1.05	34.92	27.97	13.8	0.193	1461.5
460.0	1.03	1.00	34.91	27.97	13.8	0.194	1461.5
470.0	1.01	0.99	34.92	27.98	13.3	0.195	1461.6
480.0	0.99	0.97	34.92	27.98	12.9	0.197	1461.6
490.0	0.98	0.96	34.92	27.98	13.0	0.198	1461.8
492.1	0.98	0.95	34.92	27.98	12.9	0.198	1461.8

FRAM 3 STATION 34(1) CTD 14/APR/1981 946 GMT CODE = 5
LAT = 83.0363N LNG = 7.1140E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

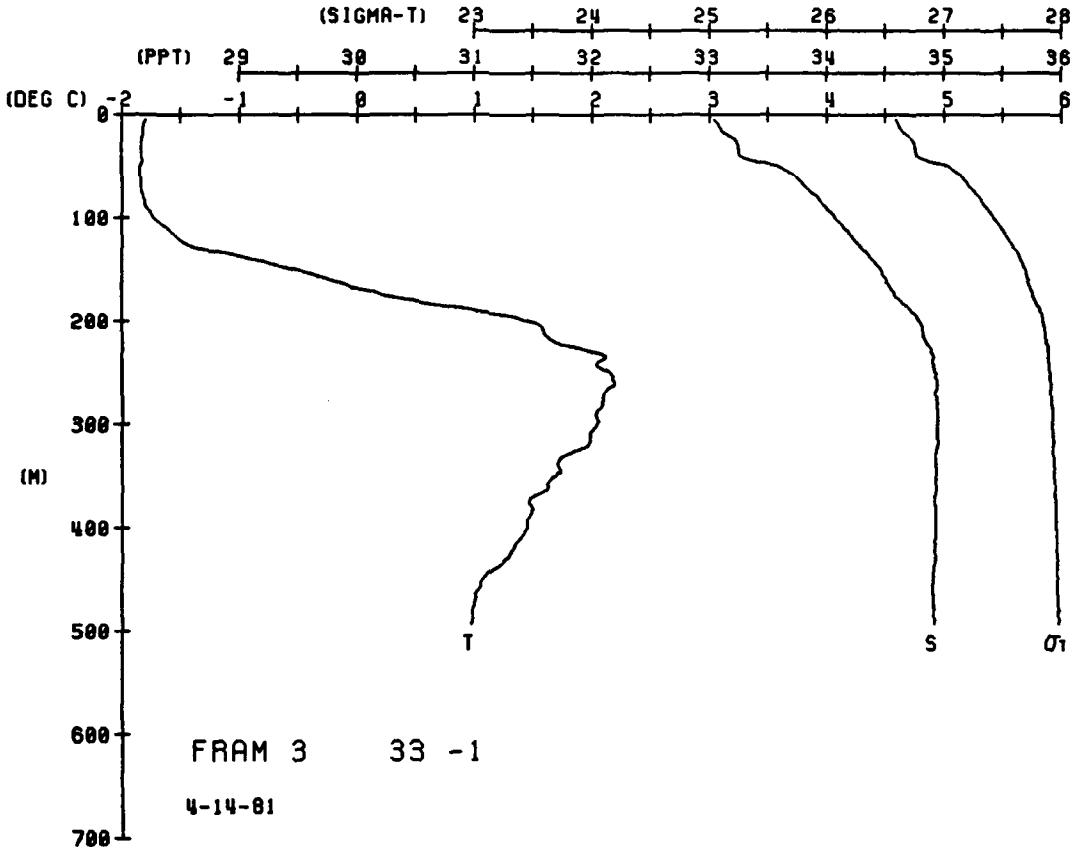
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.01	26.56	146.3	0.000	1438.1
4.0	-1.80	-1.81	33.01	26.56	146.3	0.006	1438.2
5.0	-1.80	-1.81	33.02	26.57	145.5	0.007	1438.2
10.0	-1.80	-1.81	33.05	26.59	143.2	0.015	1438.3
15.0	-1.81	-1.81	33.09	26.63	139.7	0.022	1438.4
20.0	-1.82	-1.82	33.17	26.69	133.6	0.029	1438.6
25.0	-1.82	-1.82	33.21	26.72	130.9	0.035	1438.7
30.0	-1.82	-1.82	33.22	26.74	129.4	0.042	1438.8
35.0	-1.82	-1.82	33.23	26.74	129.1	0.049	1438.9
40.0	-1.81	-1.81	33.28	26.78	125.4	0.055	1439.1
45.0	-1.81	-1.81	33.47	26.93	110.7	0.061	1439.4
50.0	-1.83	-1.83	33.60	27.04	100.7	0.066	1439.7
55.0	-1.83	-1.83	33.66	27.09	95.9	0.071	1439.8
60.0	-1.83	-1.83	33.72	27.14	91.2	0.076	1440.0
65.0	-1.83	-1.83	33.76	27.17	87.9	0.081	1440.1
70.0	-1.82	-1.82	33.80	27.21	84.7	0.085	1440.3
75.0	-1.80	-1.80	33.84	27.24	81.6	0.089	1440.5
80.0	-1.79	-1.79	33.90	27.29	77.0	0.093	1440.7
85.0	-1.78	-1.78	33.93	27.31	74.5	0.097	1440.9
90.0	-1.75	-1.75	33.97	27.34	72.0	0.101	1441.2
95.0	-1.72	-1.73	34.02	27.38	67.9	0.104	1441.5
100.0	-1.69	-1.69	34.06	27.42	64.6	0.107	1441.8
110.0	-1.58	-1.58	34.14	27.48	59.0	0.114	1442.6
120.0	-1.48	-1.48	34.20	27.52	54.5	0.119	1443.3
130.0	-1.17	-1.17	34.26	27.56	51.2	0.125	1445.0
140.0	-0.79	-0.79	34.34	27.61	46.5	0.130	1447.1
150.0	-0.42	-0.43	34.42	27.66	42.2	0.134	1449.0
160.0	-0.14	-0.15	34.47	27.68	39.9	0.138	1450.6
170.0	0.18	0.18	34.51	27.70	38.3	0.142	1452.3
180.0	0.61	0.60	34.58	27.73	35.7	0.146	1454.4
190.0	1.16	1.15	34.68	27.78	31.8	0.150	1457.2
200.0	1.53	1.52	34.77	27.82	27.6	0.153	1459.2
210.0	1.60	1.59	34.79	27.84	26.5	0.155	1459.7
220.0	1.74	1.73	34.81	27.84	26.3	0.158	1460.5
230.0	2.08	2.06	34.88	27.87	23.9	0.160	1462.2
240.0	2.05	2.04	34.89	27.88	22.5	0.163	1462.3
250.0	2.18	2.17	34.90	27.88	23.2	0.165	1463.1
260.0	2.21	2.20	34.92	27.89	22.0	0.167	1463.4
270.0	2.11	2.09	34.92	27.90	21.3	0.170	1463.1
280.0	2.08	2.07	34.92	27.90	21.0	0.172	1463.2
290.0	2.04	2.03	34.92	27.91	20.3	0.174	1463.1
300.0	2.04	2.02	34.93	27.92	19.6	0.176	1463.3
310.0	1.99	1.97	34.93	27.91	19.9	0.178	1463.2
320.0	1.95	1.94	34.94	27.92	18.8	0.180	1463.3
330.0	1.75	1.73	34.92	27.92	18.7	0.182	1462.5
340.0	1.73	1.72	34.91	27.92	18.8	0.184	1462.6
350.0	1.67	1.65	34.92	27.93	17.9	0.185	1462.5
360.0	1.62	1.60	34.91	27.93	17.9	0.187	1462.4
370.0	1.49	1.47	34.92	27.95	16.2	0.189	1462.0
380.0	1.50	1.48	34.91	27.94	17.1	0.191	1462.2
390.0	1.46	1.44	34.91	27.94	17.0	0.192	1462.2
400.0	1.45	1.43	34.91	27.94	17.2	0.194	1462.3
410.0	1.38	1.36	34.92	27.96	15.6	0.196	1462.2
420.0	1.32	1.30	34.92	27.96	15.3	0.197	1462.1
430.0	1.25	1.23	34.91	27.96	15.3	0.199	1462.0
440.0	1.15	1.12	34.92	27.97	14.4	0.200	1461.7
450.0	1.07	1.05	34.90	27.96	14.8	0.202	1461.5
460.0	1.02	1.00	34.90	27.96	14.8	0.203	1461.4
470.0	1.01	0.99	34.90	27.96	15.0	0.205	1461.5
480.0	1.00	0.97	34.90	27.97	14.4	0.206	1461.6
490.0	0.98	0.96	34.90	27.97	14.3	0.208	1461.7
491.1	0.99	0.96	34.89	27.96	15.2	0.208	1461.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
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400
500
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700
FRAM 3 32 -1
4-14-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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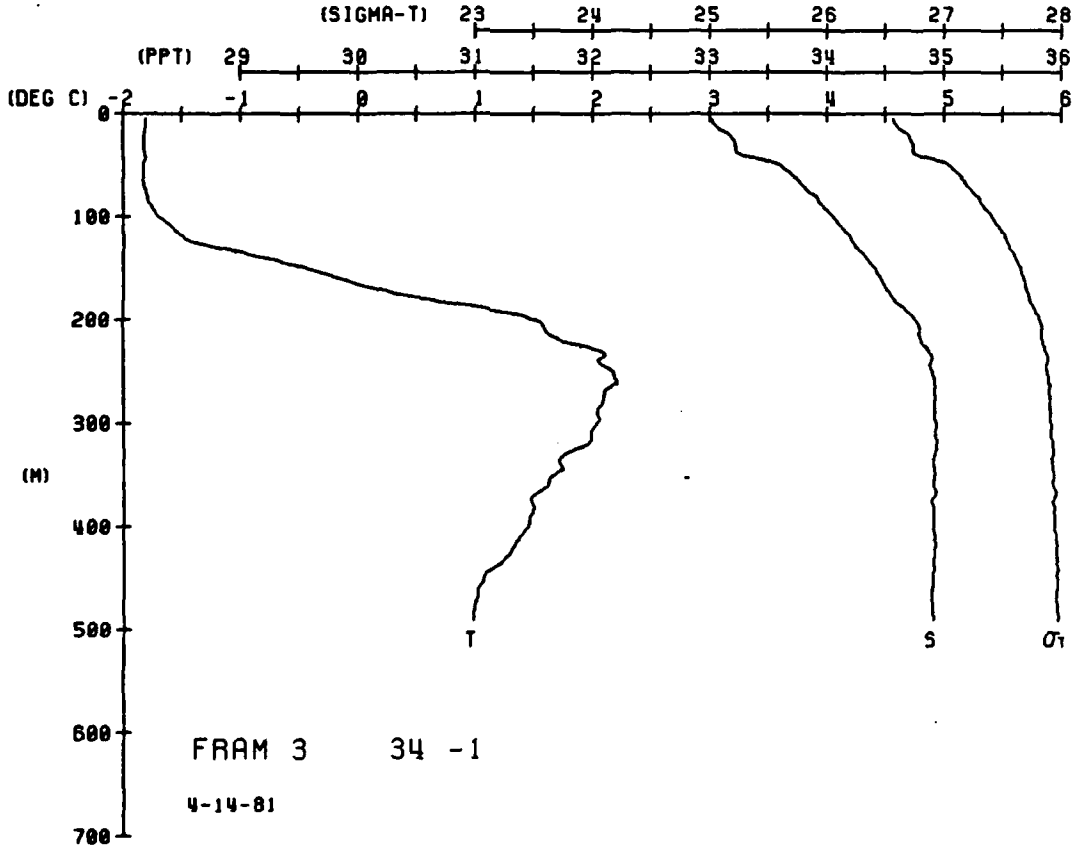
FRAM 3 STATION 35(1) CTD 14/APR/1981 1355 GMT CODE = 5
LAT = 83.0283N LNG = 7.0777E WTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.96	26.52	150.5	0.000	1438.3
4.9	-1.74	-1.74	32.96	26.52	150.5	0.008	1438.4
5.0	-1.74	-1.74	32.96	26.52	150.3	0.008	1438.4
10.0	-1.94	-1.94	33.19	26.71	132.0	0.015	1437.9
15.0	-1.80	-1.80	33.12	26.65	137.7	0.022	1438.5
20.0	-1.80	-1.81	33.19	26.71	132.3	0.028	1438.7
25.0	-1.81	-1.81	33.22	26.73	130.1	0.035	1438.8
30.0	-1.80	-1.80	33.21	26.73	130.5	0.042	1438.9
35.0	-1.80	-1.80	33.25	26.76	127.5	0.048	1439.0
40.0	-1.79	-1.80	33.34	26.83	120.3	0.054	1439.3
45.0	-1.82	-1.82	33.49	26.95	108.8	0.060	1439.4
50.0	-1.84	-1.84	33.55	27.00	104.1	0.066	1439.5
55.0	-1.82	-1.82	33.59	27.03	101.1	0.071	1439.7
60.0	-1.82	-1.82	33.65	27.09	96.0	0.076	1439.9
65.0	-1.82	-1.82	33.71	27.13	91.9	0.080	1440.1
70.0	-1.83	-1.83	33.80	27.20	85.0	0.085	1440.2
75.0	-1.83	-1.83	33.84	27.24	81.5	0.089	1440.4
80.0	-1.83	-1.83	33.88	27.27	78.7	0.093	1440.5
85.0	-1.80	-1.80	33.92	27.30	75.8	0.097	1440.8
90.0	-1.77	-1.77	33.96	27.33	72.7	0.101	1441.1
95.0	-1.75	-1.75	34.01	27.38	68.5	0.104	1441.3
100.0	-1.71	-1.72	34.08	27.43	63.5	0.108	1441.7
110.0	-1.61	-1.61	34.15	27.48	58.2	0.114	1442.5
120.0	-1.52	-1.53	34.23	27.55	52.0	0.119	1443.1
130.0	-1.43	-1.44	34.26	27.57	50.5	0.125	1443.8
140.0	-1.32	-1.33	34.33	27.62	45.5	0.130	1444.5
150.0	-0.93	-0.93	34.39	27.66	42.0	0.134	1446.6
160.0	-0.34	-0.34	34.49	27.71	37.3	0.138	1449.7
170.0	0.10	0.09	34.55	27.74	35.0	0.142	1451.9
180.0	0.46	0.45	34.64	27.79	30.3	0.145	1453.9
190.0	0.91	0.90	34.72	27.82	27.2	0.148	1456.2
200.0	1.20	1.19	34.76	27.84	26.1	0.151	1457.7
210.0	1.12	1.11	34.76	27.84	25.4	0.153	1457.5
220.0	1.51	1.50	34.83	27.87	23.1	0.156	1459.5
230.0	1.59	1.58	34.86	27.89	21.1	0.158	1460.1
240.0	1.78	1.77	34.89	27.90	20.8	0.160	1461.1
250.0	1.80	1.79	34.89	27.90	20.9	0.162	1461.4
260.0	1.85	1.84	34.91	27.91	20.0	0.164	1461.8
270.0	1.87	1.86	34.91	27.91	19.6	0.166	1462.1
280.0	1.74	1.72	34.91	27.92	18.9	0.168	1461.6
290.0	1.76	1.75	34.91	27.92	18.8	0.170	1461.9
300.0	1.69	1.68	34.91	27.93	18.4	0.172	1461.8
310.0	1.58	1.56	34.91	27.93	17.6	0.174	1461.4
320.0	1.56	1.55	34.93	27.95	16.5	0.175	1461.5
330.0	1.82	1.80	34.96	27.95	16.3	0.177	1462.9
340.0	1.80	1.78	34.95	27.94	16.9	0.179	1462.9
350.0	1.67	1.66	34.94	27.95	16.1	0.180	1462.5
360.0	1.65	1.64	34.94	27.95	16.0	0.182	1462.6
370.0	1.59	1.57	34.94	27.96	15.5	0.184	1462.5
380.0	1.51	1.49	34.94	27.96	15.0	0.185	1462.3
390.0	1.48	1.46	34.94	27.96	15.2	0.187	1462.3
400.0	1.40	1.38	34.94	27.97	14.7	0.188	1462.2
410.0	1.33	1.30	34.93	27.96	14.8	0.190	1462.0
420.0	1.23	1.20	34.92	27.96	15.0	0.191	1461.7
430.0	1.11	1.09	34.92	27.97	14.1	0.193	1461.4
440.0	1.02	1.00	34.91	27.97	13.6	0.194	1461.1
450.0	1.01	0.99	34.92	27.98	13.3	0.195	1461.2
460.0	1.00	0.98	34.92	27.98	13.2	0.197	1461.4
470.0	1.00	0.98	34.92	27.98	12.8	0.198	1461.5
480.0	0.99	0.97	34.93	27.99	12.4	0.199	1461.6
490.0	0.99	0.96	34.92	27.98	12.8	0.201	1461.8
500.0	0.94	0.92	34.93	27.99	12.1	0.202	1461.8
530.0	0.88	0.86	34.92	27.99	11.9	0.206	1462.0
560.0	0.83	0.80	34.92	27.99	11.8	0.209	1462.2
590.0	0.76	0.74	34.93	28.00	10.9	0.213	1462.5
620.0	0.71	0.68	34.92	28.00	11.0	0.216	1462.7
650.0	0.62	0.59	34.94	28.02	8.8	0.219	1462.8
680.0	0.50	0.46	34.92	28.01	9.6	0.222	1462.7
710.0	0.38	0.35	34.91	28.01	9.8	0.225	1462.7
740.0	0.31	0.27	34.90	28.01	9.9	0.228	1462.9
790.0	0.18	0.14	34.91	28.02	8.1	0.232	1463.1
840.0	0.08	0.04	34.90	28.03	7.7	0.236	1463.5
890.0	-0.02	-0.06	34.91	28.03	6.9	0.240	1463.9
940.0	-0.09	-0.13	34.90	28.03	6.8	0.244	1464.4
990.0	-0.16	-0.20	34.90	28.03	6.4	0.247	1465.0
1040.0	-0.23	-0.28	34.90	28.04	5.6	0.250	1465.4
1090.0	-0.29	-0.34	34.90	28.04	5.6	0.253	1466.0
1140.0	-0.34	-0.40	34.89	28.03	5.6	0.256	1466.6
1190.0	-0.40	-0.45	34.89	28.04	5.0	0.258	1467.2
1240.0	-0.43	-0.49	34.89	28.04	4.8	0.261	1467.9
1290.0	-0.48	-0.54	34.88	28.03	5.3	0.263	1468.5
1340.0	-0.52	-0.58	34.88	28.04	4.4	0.266	1469.2
1390.0	-0.56	-0.62	34.88	28.04	3.9	0.268	1469.9
1440.0	-0.60	-0.66	34.88	28.04	4.1	0.270	1470.5
1460.9	-0.66	-0.73	34.95	28.10	-1.6	0.270	1470.7



FRAM 3 33 -1

4-14-81

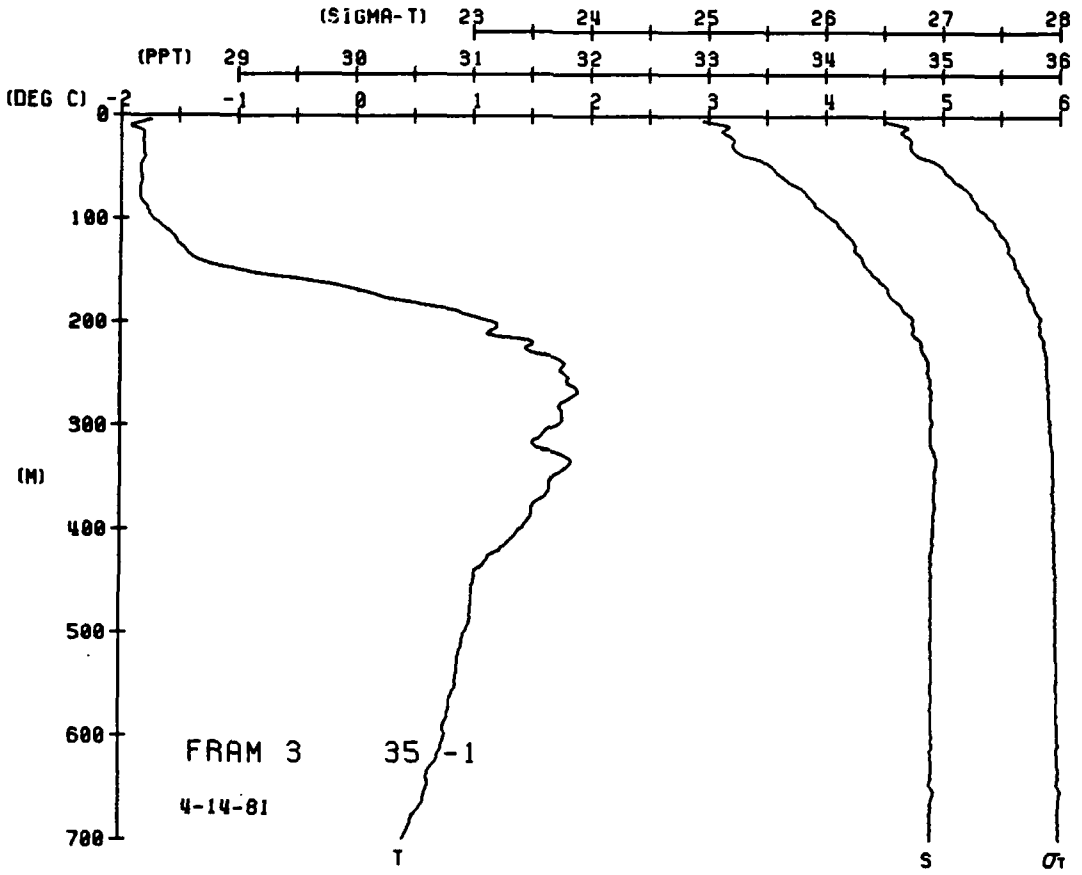


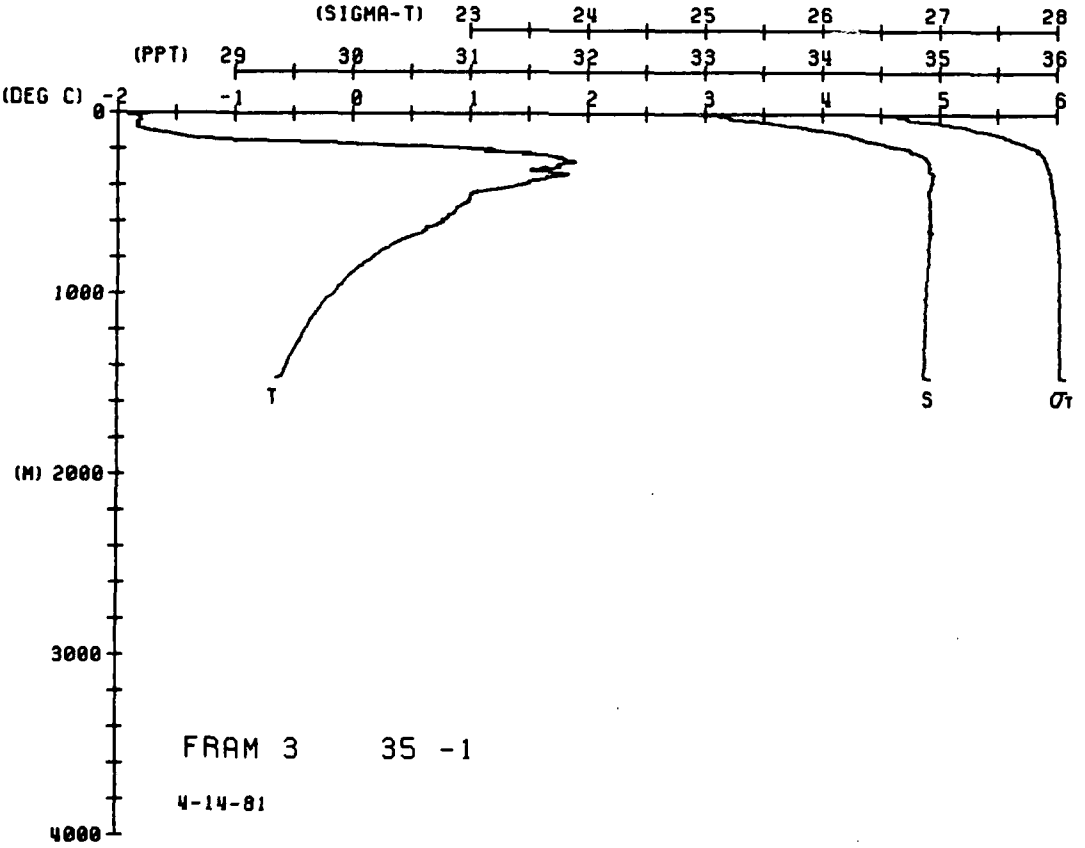
FRAM 3 34 -1

4-14-81

FRAM 3 STATION 36(1) CTD 14/APR/1981 1953 GMT CODE = 5
LAT = 83.0122N LNG = 7.0238E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

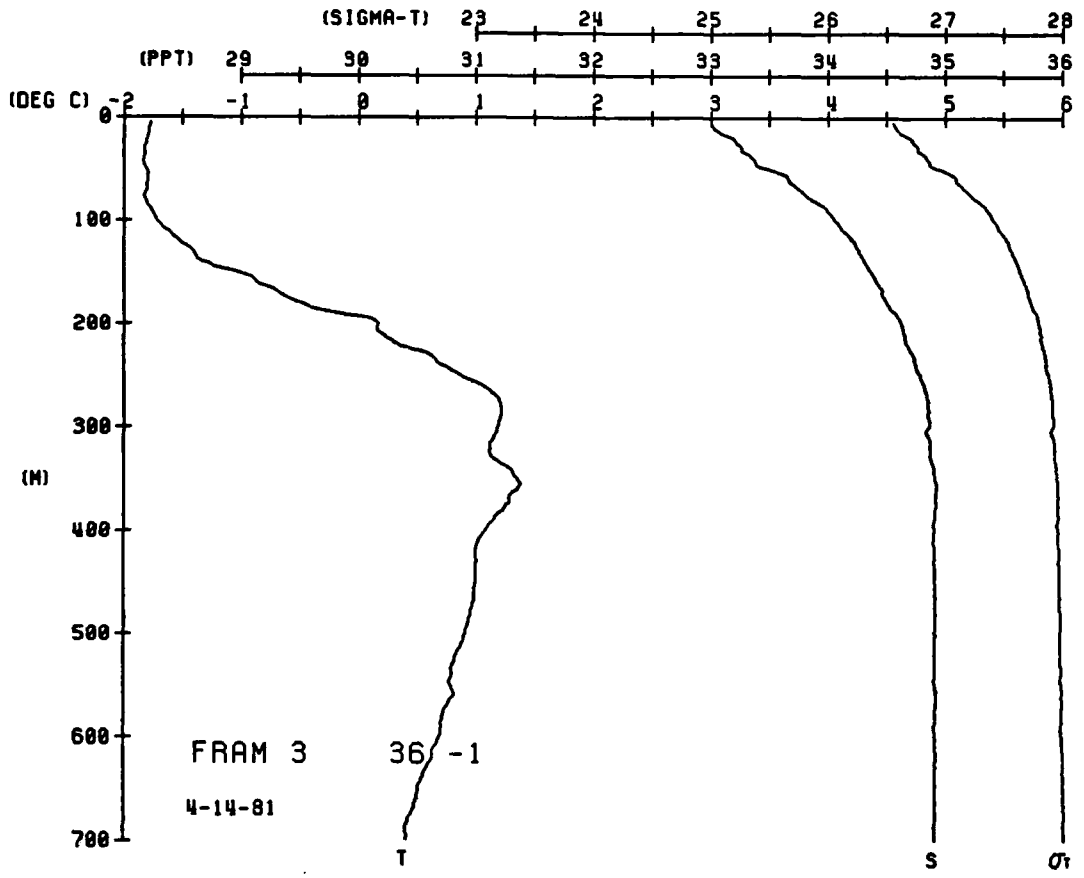
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	33.00	26.56	146.8	0.000	1438.3
4.9	-1.77	-1.77	33.00	26.56	146.8	0.007	1438.3
5.0	-1.77	-1.77	33.00	26.56	146.8	0.007	1438.3
10.0	-1.78	-1.78	33.03	26.58	144.7	0.015	1438.4
15.0	-1.79	-1.79	33.09	26.63	139.8	0.022	1438.5
20.0	-1.80	-1.80	33.19	26.71	132.3	0.029	1438.7
25.0	-1.81	-1.81	33.24	26.75	128.6	0.036	1438.8
30.0	-1.82	-1.82	33.27	26.77	126.2	0.042	1438.9
35.0	-1.82	-1.82	33.32	26.81	122.3	0.048	1439.0
40.0	-1.83	-1.83	33.37	26.86	118.1	0.054	1439.2
45.0	-1.83	-1.83	33.39	26.88	116.2	0.060	1439.3
50.0	-1.80	-1.80	33.50	26.96	108.2	0.066	1439.6
55.0	-1.79	-1.79	33.62	27.06	98.6	0.071	1439.9
60.0	-1.79	-1.80	33.67	27.10	94.9	0.076	1440.1
65.0	-1.80	-1.80	33.71	27.13	91.9	0.081	1440.2
70.0	-1.80	-1.81	33.77	27.18	87.4	0.085	1440.3
75.0	-1.82	-1.83	33.82	27.22	83.1	0.090	1440.4
80.0	-1.81	-1.81	33.88	27.27	78.5	0.094	1440.6
85.0	-1.80	-1.80	33.96	27.33	72.7	0.097	1440.9
90.0	-1.76	-1.76	34.00	27.37	69.4	0.101	1441.2
95.0	-1.73	-1.74	34.04	27.40	66.5	0.104	1441.5
100.0	-1.71	-1.72	34.07	27.42	64.1	0.108	1441.7
110.0	-1.63	-1.63	34.14	27.48	59.0	0.114	1442.4
120.0	-1.52	-1.52	34.23	27.55	52.4	0.120	1443.1
130.0	-1.40	-1.40	34.27	27.58	49.5	0.125	1444.0
140.0	-1.32	-1.33	34.33	27.62	45.6	0.130	1444.5
150.0	-1.02	-1.02	34.38	27.65	42.8	0.134	1446.2
160.0	-0.86	-0.86	34.43	27.68	39.4	0.138	1447.2
170.0	-0.68	-0.68	34.47	27.71	37.3	0.142	1448.3
180.0	-0.49	-0.50	34.51	27.74	34.5	0.146	1449.3
190.0	-0.15	-0.15	34.58	27.78	30.9	0.149	1451.2
200.0	0.17	0.16	34.63	27.80	28.8	0.152	1452.9
210.0	0.20	0.20	34.66	27.82	27.2	0.155	1453.2
220.0	0.34	0.34	34.69	27.84	25.8	0.158	1454.1
230.0	0.63	0.62	34.74	27.86	23.9	0.160	1455.6
240.0	0.72	0.71	34.76	27.87	23.1	0.162	1456.2
250.0	0.88	0.87	34.80	27.89	21.0	0.165	1457.2
260.0	1.07	1.06	34.83	27.91	19.5	0.167	1458.2
270.0	1.19	1.17	34.85	27.91	19.0	0.169	1458.9
280.0	1.22	1.21	34.86	27.92	18.7	0.171	1459.3
290.0	1.22	1.20	34.87	27.92	18.1	0.172	1459.4
300.0	1.19	1.18	34.86	27.92	18.8	0.174	1459.4
310.0	1.16	1.14	34.87	27.93	17.2	0.176	1459.5
320.0	1.13	1.11	34.88	27.94	16.5	0.178	1459.5
330.0	1.16	1.14	34.89	27.94	16.3	0.179	1459.8
340.0	1.30	1.29	34.91	27.95	15.8	0.181	1460.7
350.0	1.36	1.34	34.92	27.96	15.1	0.183	1461.1
360.0	1.35	1.33	34.93	27.96	14.8	0.184	1461.3
370.0	1.29	1.27	34.93	27.97	14.4	0.186	1461.2
380.0	1.23	1.21	34.92	27.97	14.1	0.187	1461.0
390.0	1.15	1.13	34.91	27.96	14.7	0.189	1460.8
400.0	1.08	1.06	34.91	27.97	14.0	0.190	1460.7
410.0	1.03	1.01	34.90	27.97	14.2	0.191	1460.6
420.0	1.00	0.98	34.92	27.98	12.7	0.193	1460.7
430.0	1.01	0.99	34.91	27.97	13.5	0.194	1460.9
440.0	1.00	0.98	34.92	27.98	13.0	0.195	1461.0
450.0	1.00	0.98	34.92	27.98	13.0	0.197	1461.2
460.0	0.99	0.97	34.92	27.98	13.0	0.198	1461.3
470.0	0.98	0.95	34.92	27.98	12.7	0.199	1461.4
480.0	0.95	0.93	34.92	27.99	12.5	0.201	1461.5
490.0	0.93	0.91	34.92	27.99	12.4	0.202	1461.5
500.0	0.91	0.89	34.92	27.99	12.4	0.203	1461.6
530.0	0.80	0.78	34.92	27.99	11.9	0.207	1461.6
560.0	0.81	0.78	34.92	28.00	11.5	0.210	1462.1
590.0	0.70	0.68	34.91	27.99	11.8	0.214	1462.2
620.0	0.63	0.60	34.92	28.01	10.2	0.217	1462.3
650.0	0.50	0.47	34.92	28.01	9.7	0.220	1462.3
680.0	0.42	0.39	34.92	28.02	9.3	0.223	1462.4
710.0	0.37	0.34	34.91	28.02	9.1	0.226	1462.7
740.0	0.28	0.25	34.91	28.02	8.6	0.229	1462.8
790.0	0.17	0.13	34.91	28.02	8.1	0.233	1463.1
840.0	0.06	0.02	34.90	28.03	7.6	0.237	1463.4
890.0	-0.01	-0.05	34.90	28.02	7.6	0.241	1463.9
940.0	-0.10	-0.14	34.90	28.03	6.9	0.244	1464.4
990.0	-0.17	-0.21	34.90	28.03	6.4	0.248	1464.9
1040.0	-0.25	-0.29	34.89	28.03	6.1	0.251	1465.4
1090.0	-0.31	-0.36	34.89	28.04	5.6	0.254	1465.9
1140.0	-0.35	-0.41	34.89	28.04	5.2	0.257	1466.6
1190.0	-0.40	-0.45	34.89	28.03	5.3	0.259	1467.2
1240.0	-0.45	-0.50	34.88	28.03	5.1	0.262	1467.8
1290.0	-0.49	-0.55	34.88	28.03	4.8	0.265	1468.5
1340.0	-0.52	-0.58	34.88	28.03	4.7	0.267	1469.2
1390.0	-0.56	-0.62	34.88	28.04	4.2	0.269	1469.9
1440.0	-0.58	-0.65	34.87	28.03	4.5	0.272	1470.6
1490.0	-0.62	-0.68	34.88	28.04	3.8	0.274	1471.3
1540.0	-0.64	-0.71	34.87	28.04	3.7	0.276	1472.0
1590.0	-0.66	-0.73	34.87	28.04	3.6	0.277	1472.8
1617.1	-0.68	-0.75	34.87	28.03	3.7	0.278	1473.2

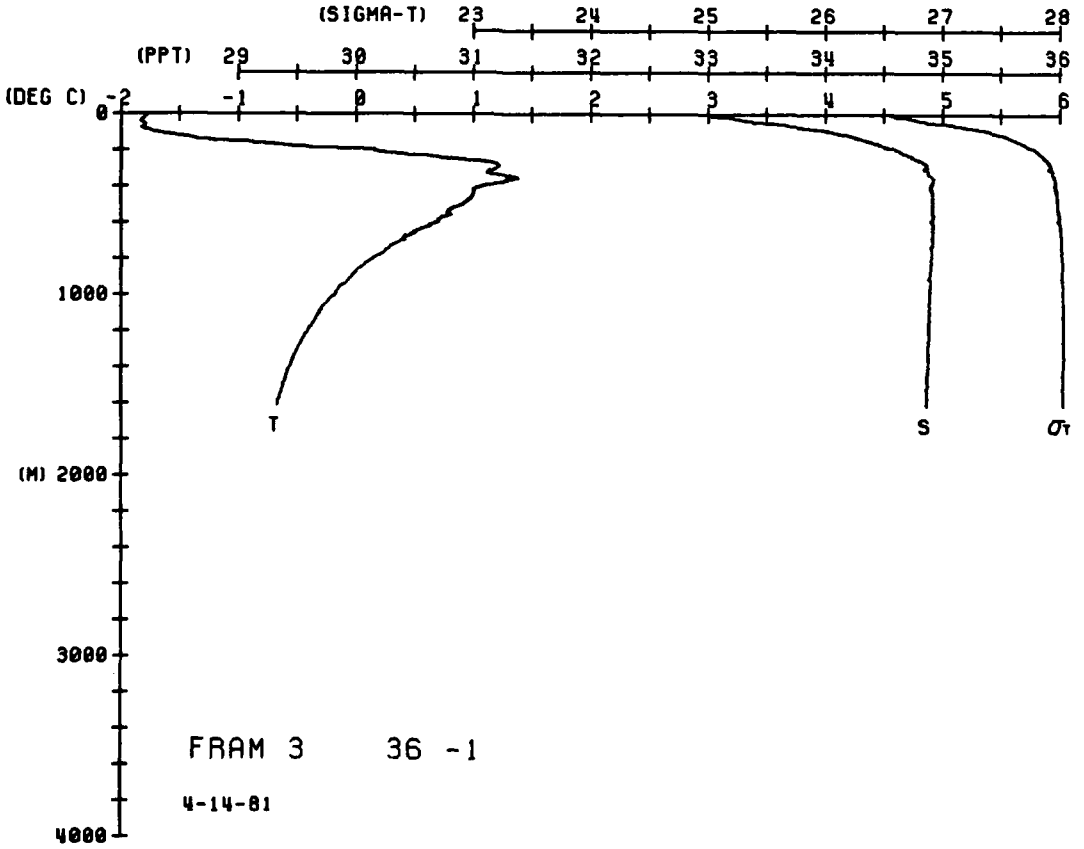

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
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FRAM 3 35 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 35 -1
4-14-81
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FRAM 3 STATION 37(1) CTD 14/APR/1981 2243 GMT CODE = 5
LAT = 83.0060N LNG = 6.9910E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

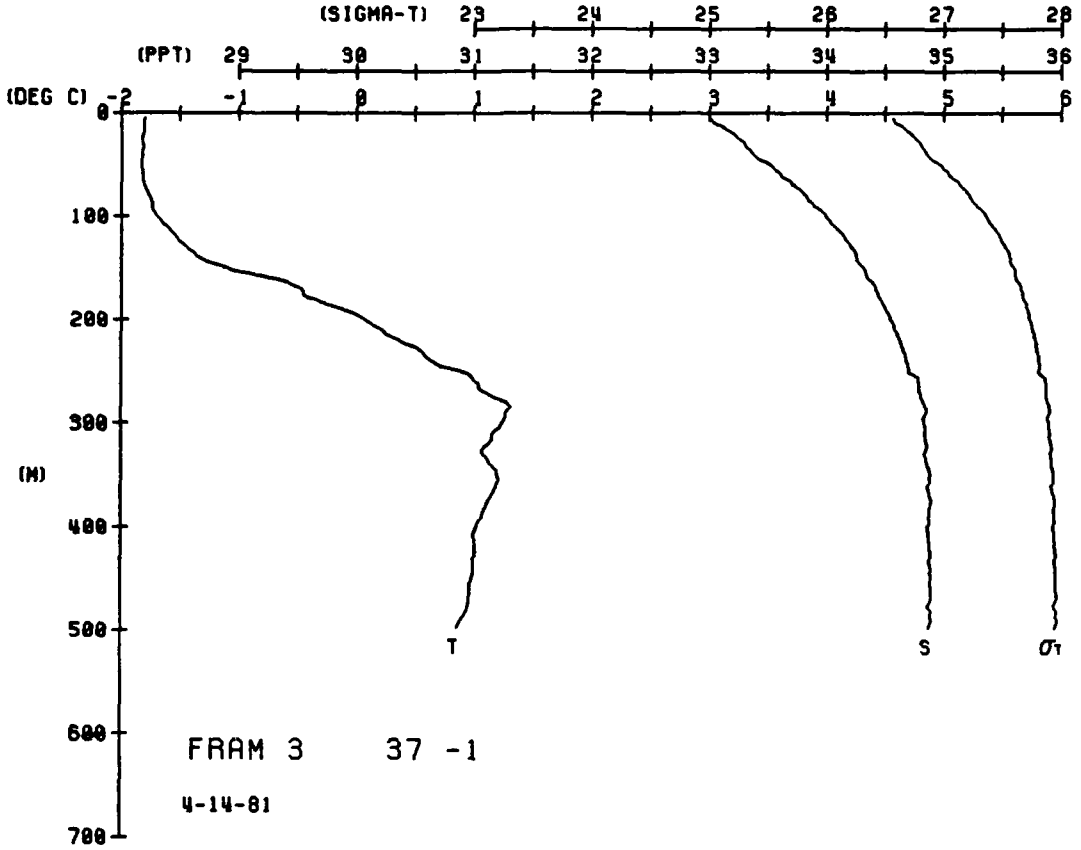
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.01	26.56	146.2	0.000	1438.1
4.0	-1.79	-1.80	33.01	26.56	146.1	0.006	1438.2
5.0	-1.79	-1.80	33.01	26.57	145.9	0.007	1438.2
10.0	-1.80	-1.80	33.05	26.60	142.9	0.015	1438.3
15.0	-1.80	-1.80	33.14	26.67	135.8	0.022	1438.5
20.0	-1.81	-1.81	33.20	26.72	131.3	0.029	1438.7
25.0	-1.82	-1.82	33.25	26.76	127.1	0.035	1438.8
30.0	-1.81	-1.81	33.30	26.80	123.4	0.041	1439.0
35.0	-1.81	-1.81	33.34	26.83	120.3	0.048	1439.1
40.0	-1.82	-1.82	33.38	26.86	117.6	0.054	1439.2
45.0	-1.83	-1.83	33.43	26.91	113.3	0.059	1439.3
50.0	-1.83	-1.83	33.51	26.97	107.0	0.065	1439.5
55.0	-1.82	-1.82	33.57	27.02	102.5	0.070	1439.7
60.0	-1.82	-1.82	33.61	27.05	99.4	0.075	1439.9
65.0	-1.82	-1.82	33.67	27.10	94.6	0.080	1440.1
70.0	-1.79	-1.80	33.73	27.15	90.3	0.085	1440.3
75.0	-1.78	-1.78	33.79	27.20	85.7	0.089	1440.6
80.0	-1.76	-1.76	33.83	27.23	82.3	0.094	1440.8
85.0	-1.74	-1.74	33.86	27.25	80.2	0.098	1441.0
90.0	-1.73	-1.73	33.91	27.29	76.7	0.102	1441.2
95.0	-1.72	-1.72	33.97	27.34	72.1	0.105	1441.4
100.0	-1.69	-1.70	34.00	27.37	69.3	0.109	1441.7
110.0	-1.61	-1.61	34.07	27.42	64.0	0.116	1442.4
120.0	-1.53	-1.53	34.15	27.49	58.0	0.122	1443.0
130.0	-1.44	-1.44	34.22	27.54	53.2	0.128	1443.7
140.0	-1.33	-1.34	34.26	27.57	50.4	0.133	1444.4
150.0	-1.10	-1.11	34.33	27.61	46.1	0.138	1445.8
160.0	-0.69	-0.69	34.36	27.63	45.1	0.142	1447.9
170.0	-0.47	-0.47	34.43	27.67	41.4	0.147	1449.2
180.0	-0.37	-0.38	34.47	27.69	38.6	0.151	1449.8
190.0	-0.11	-0.11	34.51	27.72	36.7	0.155	1451.3
200.0	0.08	0.07	34.56	27.74	34.3	0.158	1452.4
210.0	0.22	0.21	34.59	27.76	32.3	0.161	1453.2
220.0	0.37	0.36	34.64	27.80	29.5	0.165	1454.1
230.0	0.56	0.55	34.67	27.81	28.5	0.168	1455.2
240.0	0.65	0.64	34.69	27.82	27.3	0.170	1455.8
250.0	0.91	0.89	34.71	27.82	27.8	0.173	1457.1
260.0	1.02	1.01	34.80	27.88	22.1	0.176	1458.0
270.0	1.10	1.09	34.80	27.88	22.2	0.178	1458.5
280.0	1.28	1.27	34.84	27.89	20.9	0.180	1459.5
290.0	1.27	1.26	34.86	27.91	19.4	0.182	1459.7
300.0	1.24	1.23	34.84	27.90	20.1	0.184	1459.7
310.0	1.16	1.15	34.85	27.91	19.2	0.186	1459.5
320.0	1.12	1.10	34.87	27.93	17.5	0.188	1459.5
330.0	1.08	1.07	34.85	27.92	18.8	0.190	1459.5
340.0	1.15	1.13	34.87	27.93	17.8	0.192	1459.9
350.0	1.20	1.18	34.89	27.95	16.3	0.193	1460.4
360.0	1.20	1.18	34.87	27.93	17.8	0.195	1460.5
370.0	1.15	1.13	34.89	27.95	16.1	0.197	1460.5
380.0	1.11	1.09	34.89	27.95	15.5	0.198	1460.4
390.0	1.07	1.05	34.88	27.95	16.3	0.200	1460.4
400.0	1.03	1.01	34.87	27.94	16.9	0.202	1460.4
410.0	1.00	0.99	34.88	27.95	15.8	0.203	1460.5
420.0	1.01	0.99	34.89	27.96	15.3	0.205	1460.7
430.0	1.00	0.98	34.89	27.96	14.9	0.206	1460.8
440.0	1.00	0.98	34.90	27.96	14.5	0.208	1461.0
450.0	0.99	0.97	34.90	27.97	14.4	0.209	1461.1
460.0	0.97	0.95	34.90	27.97	14.2	0.211	1461.2
470.0	0.96	0.94	34.90	27.97	14.0	0.212	1461.3
480.0	0.95	0.92	34.89	27.96	14.6	0.214	1461.4
490.0	0.89	0.87	34.90	27.97	13.5	0.215	1461.3
498.0	0.85	0.83	34.87	27.95	15.7	0.216	1461.2


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 36 -1
4-14-81
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FRAM 3 STATION 38(1) CTD 15/APR/1981 903 GMT CODE = 5
LAT = 82.9845N LNG = 6.9473E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.04	26.59	143.7	0.000	1438.1
4.9	-1.82	-1.82	33.04	26.59	143.7	0.007	1438.1
5.0	-1.82	-1.82	33.04	26.59	143.7	0.007	1438.2
10.0	-1.81	-1.81	33.04	26.59	144.0	0.015	1438.3
15.0	-1.81	-1.81	33.18	26.70	132.8	0.022	1438.6
20.0	-1.82	-1.82	33.26	26.77	126.7	0.028	1438.7
25.0	-1.83	-1.83	33.36	26.85	118.9	0.034	1438.9
30.0	-1.83	-1.83	33.41	26.89	115.4	0.040	1439.0
35.0	-1.83	-1.83	33.43	26.90	113.9	0.046	1439.2
40.0	-1.83	-1.83	33.46	26.93	111.1	0.052	1439.3
45.0	-1.84	-1.84	33.52	26.98	106.2	0.057	1439.4
50.0	-1.83	-1.83	33.56	27.01	103.7	0.063	1439.6
55.0	-1.84	-1.84	33.61	27.05	99.5	0.068	1439.7
60.0	-1.84	-1.84	33.65	27.09	96.1	0.073	1439.9
65.0	-1.82	-1.82	33.71	27.13	91.7	0.077	1440.1
70.0	-1.80	-1.81	33.76	27.17	87.8	0.082	1440.3
75.0	-1.81	-1.81	33.81	27.22	83.7	0.086	1440.4
80.0	-1.80	-1.80	33.85	27.24	81.3	0.090	1440.6
85.0	-1.80	-1.80	33.89	27.28	78.0	0.094	1440.8
90.0	-1.79	-1.79	33.94	27.32	74.0	0.098	1441.0
95.0	-1.78	-1.79	33.99	27.36	70.1	0.102	1441.1
100.0	-1.78	-1.79	34.02	27.39	67.5	0.105	1441.3
110.0	-1.77	-1.77	34.06	27.42	64.6	0.112	1441.6
120.0	-1.63	-1.63	34.14	27.48	58.9	0.118	1442.5
130.0	-1.56	-1.56	34.22	27.54	52.9	0.124	1443.1
140.0	-1.44	-1.44	34.30	27.60	47.3	0.129	1444.0
150.0	-1.20	-1.21	34.37	27.65	42.7	0.134	1445.3
160.0	-0.93	-0.93	34.42	27.68	39.7	0.138	1446.9
170.0	-0.64	-0.65	34.48	27.72	36.6	0.142	1448.4
180.0	-0.44	-0.45	34.51	27.73	35.2	0.145	1449.6
190.0	-0.20	-0.21	34.55	27.75	33.5	0.149	1450.9
200.0	0.06	0.05	34.61	27.79	30.1	0.152	1452.3
210.0	0.20	0.19	34.66	27.82	27.2	0.155	1453.2
220.0	0.42	0.42	34.71	27.85	24.8	0.157	1454.5
230.0	0.50	0.49	34.73	27.86	23.4	0.160	1455.0
240.0	0.95	0.94	34.79	27.88	22.0	0.162	1457.3
250.0	1.18	1.17	34.83	27.90	20.3	0.164	1458.6
260.0	1.71	1.70	34.90	27.91	19.5	0.166	1461.1
270.0	1.70	1.69	34.89	27.91	19.8	0.168	1461.3
280.0	1.64	1.63	34.90	27.92	18.9	0.170	1461.2
290.0	1.50	1.48	34.89	27.92	18.4	0.172	1460.7
300.0	1.53	1.52	34.91	27.94	17.0	0.174	1461.1
310.0	1.33	1.31	34.89	27.93	17.4	0.176	1460.3
320.0	1.10	1.08	34.87	27.94	16.9	0.177	1459.4
330.0	1.02	1.01	34.87	27.94	16.6	0.179	1459.2
340.0	1.07	1.05	34.90	27.96	15.9	0.181	1459.6
350.0	1.21	1.19	34.91	27.96	14.7	0.182	1460.5
360.0	1.29	1.27	34.93	27.97	14.0	0.184	1461.0
370.0	1.22	1.20	34.92	27.97	14.4	0.185	1460.8
380.0	1.17	1.15	34.92	27.97	14.2	0.187	1460.8
390.0	1.15	1.13	34.92	27.97	13.8	0.188	1460.9
400.0	1.06	1.04	34.92	27.97	13.6	0.189	1460.6
410.0	1.00	0.98	34.92	27.98	12.9	0.191	1460.5
420.0	1.00	0.97	34.92	27.98	12.6	0.192	1460.7
430.0	1.00	0.97	34.92	27.98	12.7	0.193	1460.8
440.0	1.00	0.97	34.93	27.99	12.1	0.195	1461.0
450.0	1.01	0.99	34.93	27.99	12.4	0.196	1461.2
460.0	1.00	0.98	34.93	27.99	12.0	0.197	1461.4
470.0	0.99	0.96	34.93	27.99	12.2	0.198	1461.5
480.0	0.96	0.94	34.93	27.99	12.1	0.199	1461.5
490.0	0.94	0.92	34.93	27.99	12.1	0.201	1461.6
500.0	0.90	0.88	34.93	28.00	11.5	0.202	1461.6
530.0	0.89	0.86	34.93	28.00	11.2	0.205	1462.0
560.0	0.87	0.84	34.94	28.01	10.6	0.209	1462.4
590.0	0.76	0.74	34.94	28.01	10.1	0.212	1462.5
620.0	0.65	0.62	34.92	28.00	11.0	0.215	1462.4
650.0	0.54	0.51	34.93	28.02	9.2	0.218	1462.5
680.0	0.46	0.43	34.92	28.02	9.0	0.221	1462.6
710.0	0.38	0.35	34.92	28.02	8.7	0.224	1462.8
740.0	0.31	0.27	34.92	28.02	8.4	0.226	1462.9
790.0	0.19	0.15	34.92	28.03	7.5	0.230	1463.2
840.0	0.07	0.03	34.91	28.03	7.4	0.234	1463.5
890.0	-0.03	-0.06	34.91	28.03	6.9	0.238	1463.9
940.0	-0.11	-0.15	34.90	28.03	6.4	0.241	1464.3
990.0	-0.17	-0.22	34.90	28.04	5.9	0.244	1464.9
1040.0	-0.24	-0.29	34.90	28.04	5.9	0.247	1465.4
1090.0	-0.31	-0.36	34.90	28.04	5.2	0.250	1465.9
1140.0	-0.35	-0.40	34.89	28.04	5.2	0.252	1466.6
1190.0	-0.40	-0.45	34.89	28.04	5.0	0.255	1467.2
1240.0	-0.44	-0.50	34.89	28.04	4.3	0.257	1467.9
1290.0	-0.50	-0.55	34.91	28.06	2.6	0.259	1468.5
1340.0	-0.54	-0.60	34.93	28.07	1.0	0.260	1469.2
1390.0	-0.56	-0.63	34.92	28.07	0.9	0.261	1469.9
1440.0	-0.60	-0.66	34.93	28.08	0.4	0.261	1470.6
1490.0	-0.62	-0.69	34.92	28.07	0.4	0.261	1471.3
1509.1	-0.63	-0.69	34.91	28.07	0.9	0.261	1471.6

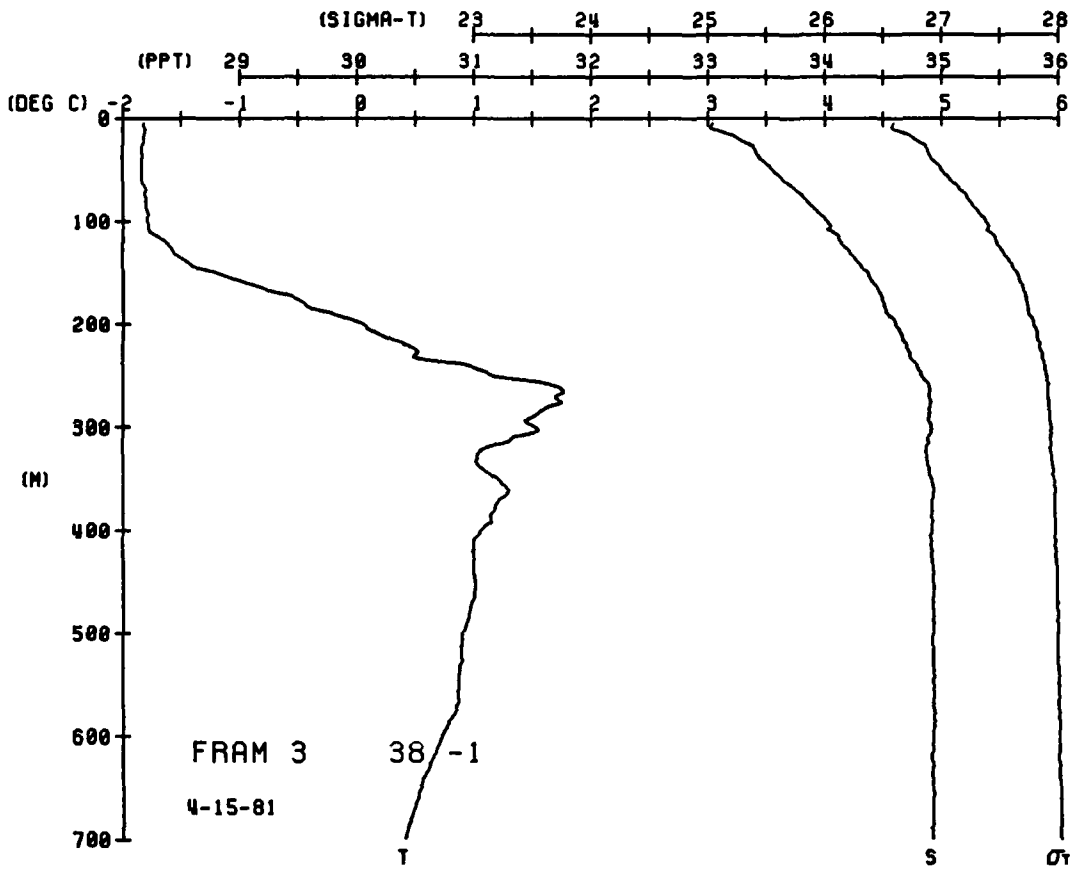

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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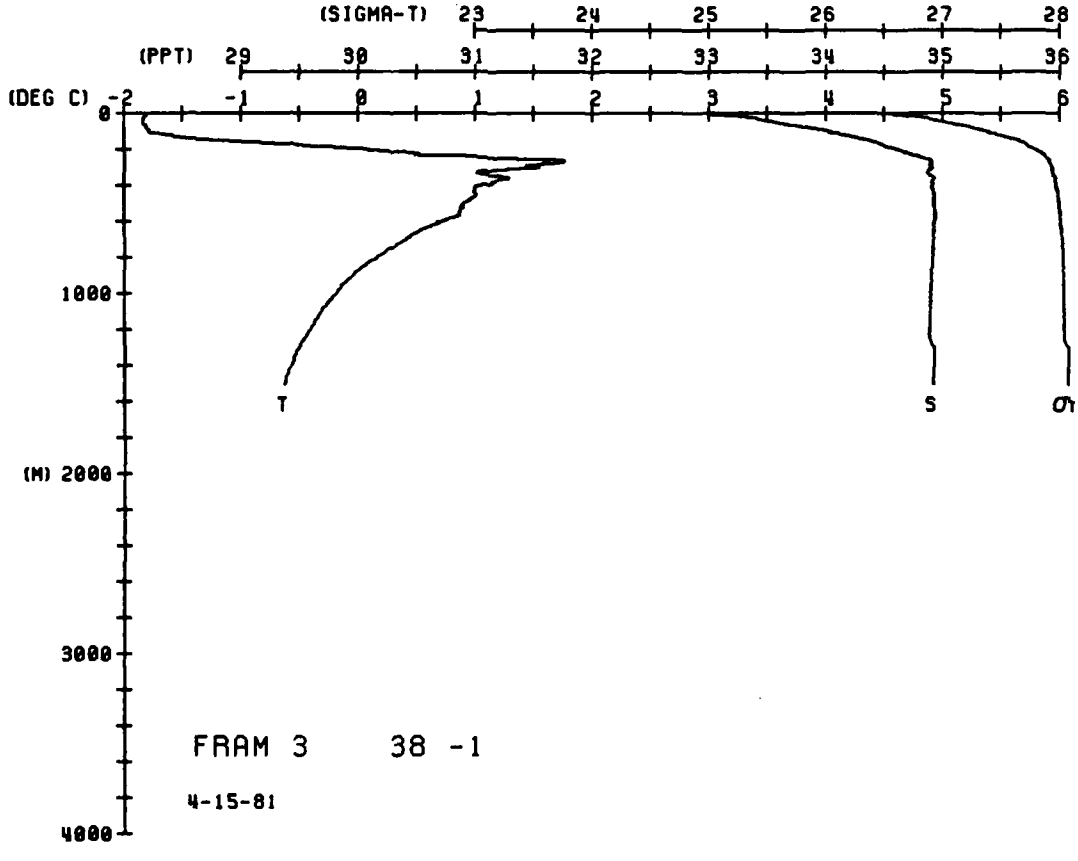
FRAM 3 STATION 39(1) CTD 15/APR/1981 1019 GMT CODE = 5
LAT = 82.9825N LNG = 6.9517E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.12	26.65	138.0	0.000	1438.2
4.0	-1.82	-1.82	33.12	26.65	138.0	0.006	1438.2
5.0	-1.82	-1.82	33.11	26.65	138.2	0.007	1438.3
10.0	-1.82	-1.82	33.10	26.64	139.1	0.014	1438.3
15.0	-1.82	-1.82	33.19	26.71	132.5	0.021	1438.5
20.0	-1.82	-1.82	33.31	26.81	122.8	0.027	1438.6
25.0	-1.83	-1.83	33.38	26.86	117.5	0.033	1438.9
30.0	-1.83	-1.83	33.41	26.89	114.8	0.039	1439.0
35.0	-1.83	-1.83	33.42	26.90	114.2	0.045	1439.1
40.0	-1.83	-1.83	33.44	26.91	112.6	0.051	1439.3
45.0	-1.83	-1.83	33.52	26.98	106.7	0.056	1439.4
50.0	-1.83	-1.83	33.59	27.04	100.8	0.062	1439.6
55.0	-1.84	-1.84	33.62	27.06	98.9	0.067	1439.7
60.0	-1.84	-1.84	33.65	27.08	96.4	0.072	1439.8
65.0	-1.82	-1.82	33.70	27.12	92.7	0.076	1440.1
70.0	-1.80	-1.81	33.76	27.17	88.1	0.081	1440.3
75.0	-1.80	-1.80	33.81	27.22	83.8	0.085	1440.5
80.0	-1.79	-1.79	33.85	27.25	80.8	0.089	1440.7
85.0	-1.80	-1.80	33.89	27.28	77.5	0.093	1440.8
90.0	-1.79	-1.79	33.94	27.32	74.1	0.097	1441.0
95.0	-1.78	-1.78	33.98	27.35	70.8	0.101	1441.2
100.0	-1.78	-1.79	34.02	27.38	68.0	0.104	1441.3
110.0	-1.77	-1.77	34.09	27.44	62.6	0.111	1441.6
120.0	-1.64	-1.64	34.13	27.47	59.2	0.117	1442.4
130.0	-1.54	-1.54	34.24	27.56	51.3	0.123	1443.3
140.0	-1.42	-1.42	34.31	27.61	46.4	0.128	1444.1
150.0	-1.31	-1.31	34.35	27.64	43.8	0.132	1444.8
160.0	-0.99	-1.00	34.41	27.68	40.1	0.136	1446.6
170.0	-0.64	-0.64	34.48	27.72	36.2	0.140	1448.5
180.0	-0.36	-0.37	34.53	27.75	33.7	0.144	1450.0
190.0	-0.22	-0.22	34.56	27.77	32.0	0.147	1450.9
200.0	0.06	0.05	34.62	27.80	29.3	0.150	1452.4
210.0	0.22	0.22	34.67	27.83	26.6	0.153	1453.3
220.0	0.49	0.49	34.71	27.85	24.7	0.156	1454.8
230.0	0.54	0.53	34.74	27.87	23.0	0.158	1455.2
240.0	1.21	1.20	34.82	27.88	21.8	0.160	1458.5
250.0	1.47	1.46	34.87	27.91	19.9	0.163	1459.9
260.0	1.63	1.62	34.88	27.91	20.1	0.165	1460.8
270.0	1.83	1.81	34.92	27.92	19.1	0.167	1461.9
280.0	1.68	1.67	34.90	27.92	19.0	0.168	1461.4
290.0	1.51	1.50	34.89	27.92	18.6	0.170	1460.8
300.0	1.58	1.56	34.91	27.94	17.4	0.172	1461.2
310.0	1.44	1.43	34.90	27.93	17.4	0.174	1460.8
320.0	1.34	1.33	34.89	27.93	17.5	0.176	1460.5
330.0	1.07	1.06	34.88	27.94	16.2	0.177	1459.5
340.0	1.23	1.21	34.90	27.95	15.8	0.179	1460.3
350.0	1.32	1.30	34.93	27.96	14.6	0.181	1461.0
360.0	1.32	1.30	34.93	27.96	14.7	0.182	1461.1
370.0	1.26	1.24	34.93	27.97	14.3	0.184	1461.0
380.0	1.19	1.17	34.92	27.97	14.0	0.185	1460.8
390.0	1.12	1.10	34.92	27.97	13.9	0.186	1460.7
400.0	1.07	1.05	34.91	27.97	13.8	0.188	1460.7
410.0	1.02	1.00	34.91	27.97	13.5	0.189	1460.6
420.0	1.02	1.00	34.92	27.98	13.4	0.191	1460.8
430.0	0.99	0.97	34.92	27.98	13.1	0.192	1460.8
440.0	0.99	0.96	34.92	27.98	12.9	0.193	1460.9
450.0	1.00	0.98	34.92	27.99	12.6	0.194	1461.2
460.0	1.00	0.98	34.93	27.99	12.5	0.196	1461.4
470.0	0.98	0.95	34.93	27.99	12.4	0.197	1461.4
480.0	0.95	0.93	34.92	27.99	12.3	0.198	1461.5
490.0	0.93	0.91	34.93	27.99	12.1	0.200	1461.5
490.1	0.93	0.91	34.93	27.99	12.1	0.200	1461.5

FRAM 3 STATION 40(1) CTD 15/APR/1981 1021 GMT CODE = 5
LAT = 82.9825N LNG = 6.9517E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

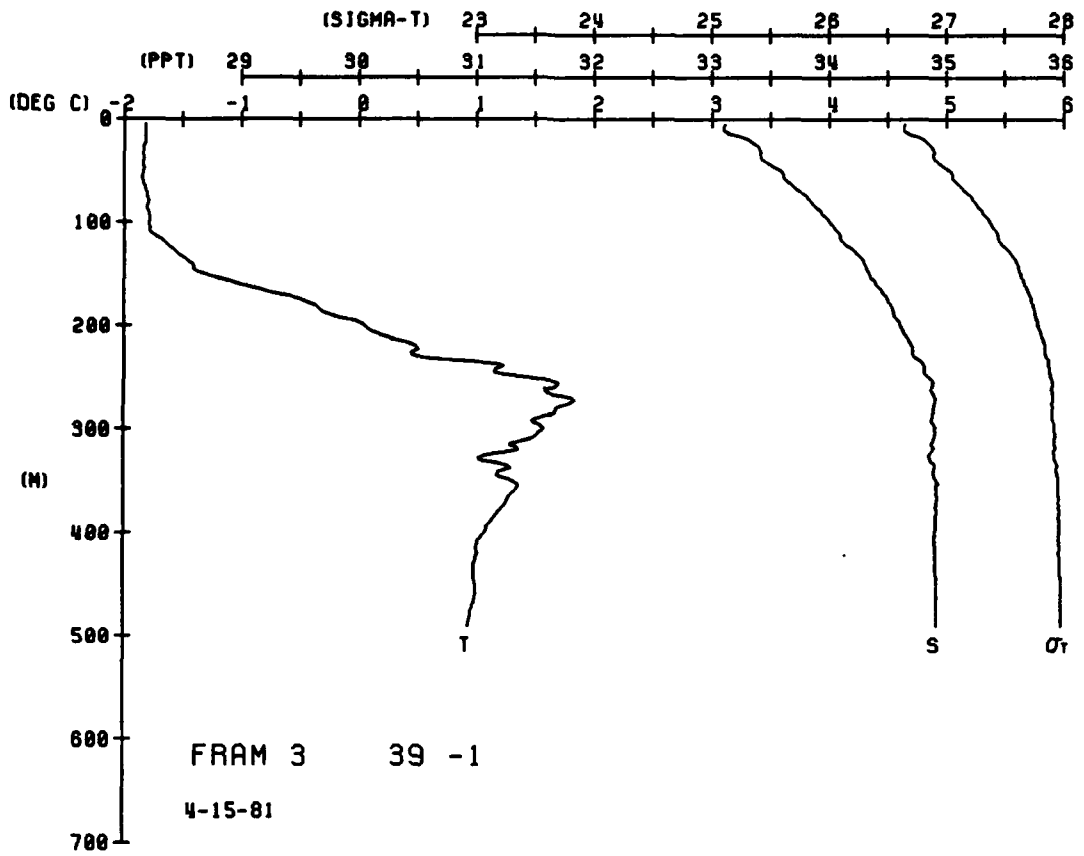
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.13	26.66	137.0	0.000	1438.2
4.0	-1.83	-1.83	33.13	26.66	137.0	0.005	1438.2
5.0	-1.83	-1.83	33.14	26.67	136.2	0.007	1438.3
10.0	-1.83	-1.83	33.19	26.71	132.5	0.014	1438.4
15.0	-1.83	-1.83	33.23	26.74	128.9	0.020	1438.6
20.0	-1.83	-1.83	33.28	26.78	125.1	0.027	1438.7
25.0	-1.83	-1.83	33.33	26.82	121.4	0.033	1438.9
30.0	-1.83	-1.83	33.37	26.86	117.8	0.039	1439.0
35.0	-1.83	-1.83	33.42	26.90	114.1	0.045	1439.2
40.0	-1.83	-1.83	33.47	26.94	110.0	0.051	1439.3
45.0	-1.83	-1.83	33.55	27.00	104.4	0.056	1439.5
50.0	-1.83	-1.83	33.60	27.05	100.1	0.061	1439.7
55.0	-1.83	-1.83	33.64	27.07	97.5	0.066	1439.8
60.0	-1.82	-1.82	33.67	27.10	95.2	0.071	1440.0
65.0	-1.80	-1.80	33.70	27.12	92.7	0.076	1440.2
70.0	-1.79	-1.79	33.76	27.17	87.9	0.080	1440.4
75.0	-1.79	-1.79	33.81	27.21	84.2	0.085	1440.6
80.0	-1.76	-1.79	33.84	27.24	81.5	0.089	1440.7
85.0	-1.79	-1.79	33.90	27.28	77.3	0.093	1440.8
90.0	-1.78	-1.78	33.95	27.33	73.3	0.097	1441.0
95.0	-1.77	-1.77	33.98	27.35	70.6	0.100	1441.2
100.0	-1.77	-1.77	34.01	27.37	68.6	0.104	1441.3
110.0	-1.73	-1.73	34.06	27.42	64.7	0.111	1441.7
120.0	-1.61	-1.61	34.14	27.48	58.9	0.117	1442.6
130.0	-1.50	-1.51	34.23	27.55	52.3	0.122	1443.4
140.0	-1.40	-1.41	34.30	27.60	47.2	0.127	1444.1
150.0	-1.24	-1.25	34.33	27.62	45.7	0.132	1445.1
160.0	-0.92	-0.93	34.38	27.64	43.2	0.137	1446.8
170.0	-0.57	-0.58	34.44	27.68	40.0	0.141	1448.7
180.0	-0.33	-0.34	34.50	27.72	36.3	0.145	1450.1
190.0	-0.14	-0.15	34.53	27.74	34.8	0.148	1451.2
200.0	0.08	0.07	34.59	27.77	31.4	0.152	1452.4
210.0	0.28	0.27	34.64	27.80	29.1	0.155	1453.6
220.0	0.47	0.46	34.69	27.83	26.2	0.158	1454.7
230.0	0.69	0.68	34.67	27.80	29.0	0.160	1455.8
240.0	1.23	1.21	34.82	27.88	21.9	0.163	1458.6
250.0	1.58	1.57	34.81	27.85	25.0	0.165	1460.3
260.0	1.61	1.59	34.89	27.91	19.2	0.168	1460.7
270.0	1.83	1.82	34.90	27.91	20.1	0.170	1461.8
280.0	1.67	1.66	34.91	27.93	18.3	0.171	1461.3
290.0	1.51	1.50	34.90	27.93	18.1	0.173	1460.8
300.0	1.57	1.55	34.92	27.94	17.1	0.175	1461.2
310.0	1.38	1.36	34.93	27.96	15.0	0.177	1460.6
320.0	1.26	1.25	34.91	27.96	15.3	0.178	1460.2
330.0	1.11	1.10	34.85	27.92	18.4	0.180	1459.6
340.0	1.21	1.19	34.91	27.96	15.0	0.182	1460.3
350.0	1.34	1.32	34.91	27.95	15.7	0.183	1461.0
360.0	1.32	1.30	34.93	27.97	14.5	0.185	1461.1
370.0	1.26	1.24	34.92	27.97	14.5	0.186	1461.0
380.0	1.18	1.16	34.91	27.96	14.7	0.188	1460.8
390.0	1.12	1.10	34.92	27.97	14.1	0.189	1460.7
400.0	1.07	1.05	34.91	27.97	13.9	0.191	1460.6
410.0	1.02	1.00	34.91	27.97	13.8	0.192	1460.6
420.0	1.02	1.00	34.91	27.97	13.9	0.193	1460.8
430.0	0.99	0.97	34.91	27.97	13.7	0.195	1460.8
440.0	0.99	0.97	34.91	27.97	13.9	0.196	1461.0
450.0	1.01	0.99	34.92	27.98	13.2	0.198	1461.2
460.0	1.00	0.98	34.92	27.98	12.9	0.199	1461.3
470.0	0.98	0.95	34.93	27.99	12.1	0.200	1461.4
480.0	0.96	0.94	34.91	27.98	13.4	0.201	1461.5
488.1	0.94	0.91	34.93	27.99	12.1	0.202	1461.5


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
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FRAM 3 38 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
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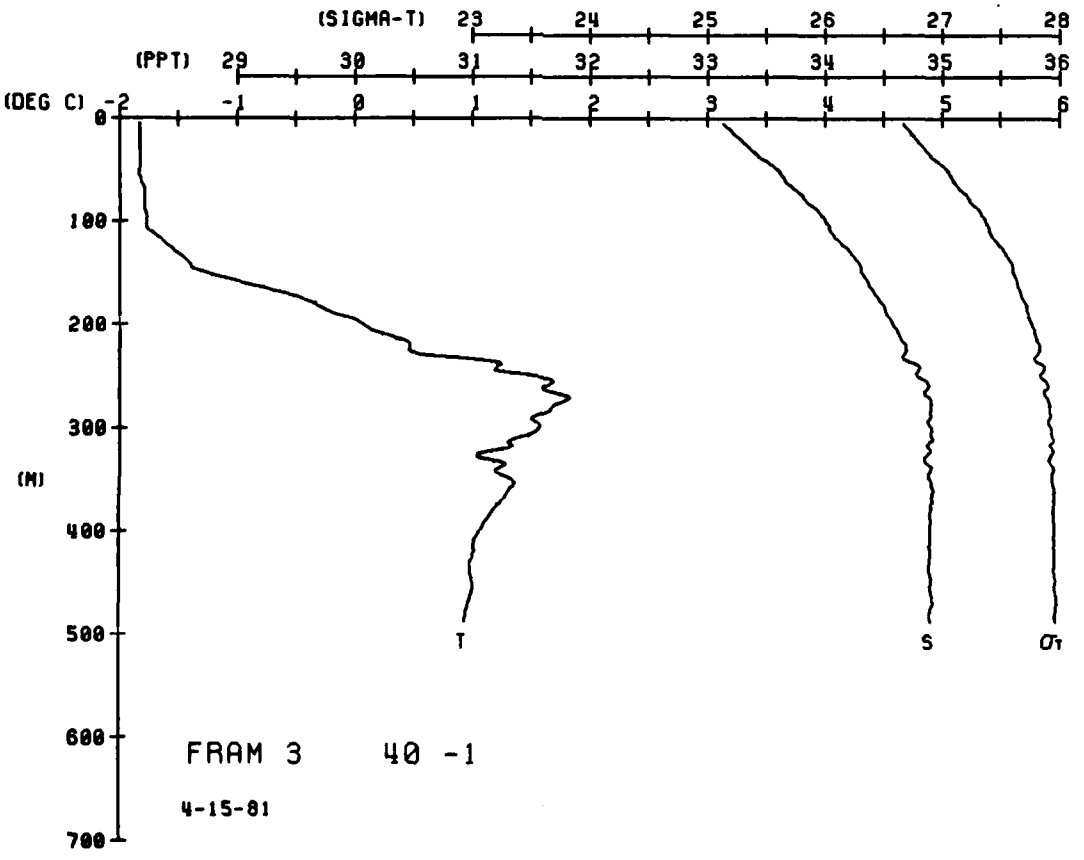
FRAM 3 STATION 41(1) CTD 15/APR/1981 1402 GMT CODE = 5
LAT = 82.9767N LNG = 6.9643E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.60	-1.60	32.79	26.38	163.3	0.000	1438.8
4.0	-1.60	-1.60	32.79	26.38	163.2	0.007	1438.8
5.0	-1.66	-1.66	32.80	26.44	157.7	0.008	1438.6
10.0	-1.82	-1.82	33.05	26.59	143.4	0.016	1438.3
15.0	-1.82	-1.82	33.17	26.69	133.6	0.023	1438.5
20.0	-1.84	-1.84	33.34	26.83	120.7	0.029	1438.7
25.0	-1.83	-1.83	33.39	26.87	117.0	0.035	1438.9
30.0	-1.84	-1.84	33.42	26.90	114.0	0.041	1439.0
35.0	-1.84	-1.84	33.44	26.91	112.7	0.047	1439.1
40.0	-1.84	-1.84	33.48	26.95	109.6	0.052	1439.3
45.0	-1.84	-1.84	33.56	27.01	103.6	0.058	1439.5
50.0	-1.84	-1.84	33.61	27.05	99.2	0.063	1439.6
55.0	-1.83	-1.83	33.66	27.09	96.0	0.068	1439.8
60.0	-1.82	-1.82	33.69	27.12	93.3	0.073	1440.0
65.0	-1.82	-1.82	33.72	27.14	90.6	0.077	1440.1
70.0	-1.81	-1.81	33.76	27.18	87.5	0.082	1440.3
75.0	-1.80	-1.80	33.81	27.22	83.8	0.086	1440.5
80.0	-1.79	-1.79	33.85	27.25	80.6	0.090	1440.7
85.0	-1.77	-1.78	33.89	27.28	77.5	0.094	1440.9
90.0	-1.76	-1.77	33.94	27.32	74.0	0.098	1441.1
95.0	-1.76	-1.76	33.97	27.34	71.6	0.102	1441.3
100.0	-1.78	-1.78	34.02	27.38	68.1	0.105	1441.3
110.0	-1.79	-1.79	34.07	27.43	63.6	0.112	1441.5
120.0	-1.69	-1.69	34.14	27.48	58.5	0.118	1442.2
130.0	-1.56	-1.56	34.21	27.54	53.3	0.124	1443.1
140.0	-1.48	-1.48	34.28	27.58	48.6	0.129	1443.7
150.0	-1.37	-1.37	34.34	27.63	44.4	0.134	1444.5
160.0	-1.13	-1.14	34.39	27.66	41.5	0.138	1445.8
170.0	-0.83	-0.84	34.44	27.69	38.6	0.142	1447.5
180.0	-0.48	-0.49	34.51	27.73	35.0	0.146	1449.4
190.0	-0.11	-0.12	34.57	27.77	31.9	0.149	1451.3
200.0	0.02	0.01	34.60	27.78	30.4	0.152	1452.2
210.0	0.18	0.17	34.66	27.82	27.1	0.155	1453.1
220.0	0.42	0.41	34.70	27.84	25.2	0.158	1454.5
230.0	1.08	1.07	34.81	27.89	21.5	0.160	1457.7
240.0	1.71	1.70	34.87	27.89	21.5	0.162	1460.8
250.0	1.75	1.73	34.90	27.91	19.9	0.165	1461.1
260.0	1.81	1.80	34.91	27.91	19.3	0.167	1461.6
270.0	1.77	1.76	34.91	27.92	19.1	0.168	1461.6
280.0	1.71	1.70	34.91	27.92	18.4	0.170	1461.5
290.0	1.66	1.65	34.92	27.93	17.8	0.172	1461.5
300.0	1.63	1.61	34.92	27.94	17.2	0.174	1461.5
310.0	1.55	1.53	34.92	27.94	17.0	0.176	1461.3
320.0	1.53	1.51	34.92	27.94	16.6	0.177	1461.4
330.0	1.44	1.42	34.92	27.95	15.8	0.179	1461.2
340.0	1.39	1.38	34.92	27.95	15.8	0.181	1461.1
350.0	1.39	1.37	34.93	27.96	15.2	0.182	1461.3
360.0	1.34	1.32	34.93	27.96	14.8	0.184	1461.2
370.0	1.29	1.27	34.93	27.97	14.4	0.185	1461.1
380.0	1.20	1.18	34.92	27.96	14.5	0.187	1460.9
390.0	1.14	1.12	34.92	27.97	14.2	0.188	1460.8
400.0	1.07	1.05	34.91	27.97	13.8	0.190	1460.7
410.0	1.06	1.04	34.92	27.97	13.6	0.191	1460.8
420.0	1.02	1.00	34.92	27.98	13.4	0.192	1460.8
430.0	1.00	0.98	34.92	27.98	13.2	0.194	1460.8
440.0	1.00	0.97	34.92	27.98	12.9	0.195	1461.0
450.0	1.00	0.97	34.92	27.98	12.7	0.196	1461.2
460.0	1.01	0.99	34.93	27.99	12.7	0.198	1461.4
470.0	0.98	0.96	34.92	27.99	12.5	0.199	1461.4
480.0	0.95	0.92	34.92	27.99	12.3	0.200	1461.4
490.0	0.93	0.90	34.92	27.99	12.2	0.201	1461.5
500.0	0.90	0.88	34.92	27.99	12.0	0.203	1461.6
530.0	0.89	0.86	34.93	28.00	11.6	0.206	1462.0
560.0	0.86	0.83	34.93	28.00	11.0	0.210	1462.4
590.0	0.75	0.72	34.93	28.00	10.7	0.213	1462.4
620.0	0.65	0.62	34.93	28.01	10.3	0.216	1462.5
650.0	0.56	0.53	34.92	28.01	9.9	0.219	1462.5
680.0	0.46	0.43	34.92	28.02	9.3	0.222	1462.6
710.0	0.38	0.35	34.91	28.02	9.2	0.225	1462.7
740.0	0.31	0.27	34.91	28.02	8.7	0.228	1462.9
790.0	0.18	0.14	34.91	28.02	8.1	0.232	1463.1
840.0	0.08	0.04	34.90	28.02	8.0	0.236	1463.5
890.0	-0.03	-0.07	34.90	28.03	7.3	0.240	1463.9
940.0	-0.11	-0.15	34.90	28.03	6.9	0.243	1464.3
990.0	-0.19	-0.23	34.89	28.03	6.7	0.247	1464.8
1040.0	-0.25	-0.30	34.89	28.03	6.0	0.250	1465.4
1090.0	-0.31	-0.35	34.89	28.03	6.0	0.253	1465.9
1140.0	-0.35	-0.41	34.89	28.03	5.6	0.256	1466.6
1190.0	-0.41	-0.46	34.89	28.04	5.2	0.259	1467.2
1240.0	-0.44	-0.50	34.88	28.04	5.0	0.262	1467.8
1290.0	-0.50	-0.56	34.88	28.04	4.8	0.264	1468.4
1340.0	-0.55	-0.61	34.88	28.04	4.5	0.266	1469.0
1390.0	-0.56	-0.63	34.87	28.03	4.7	0.269	1469.8
1440.0	-0.60	-0.66	34.87	28.03	4.4	0.271	1470.5
1459.0	-0.62	-0.68	34.88	28.04	4.0	0.272	1470.8



FRAM 3 39 -1

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FRAM 3 40 -1

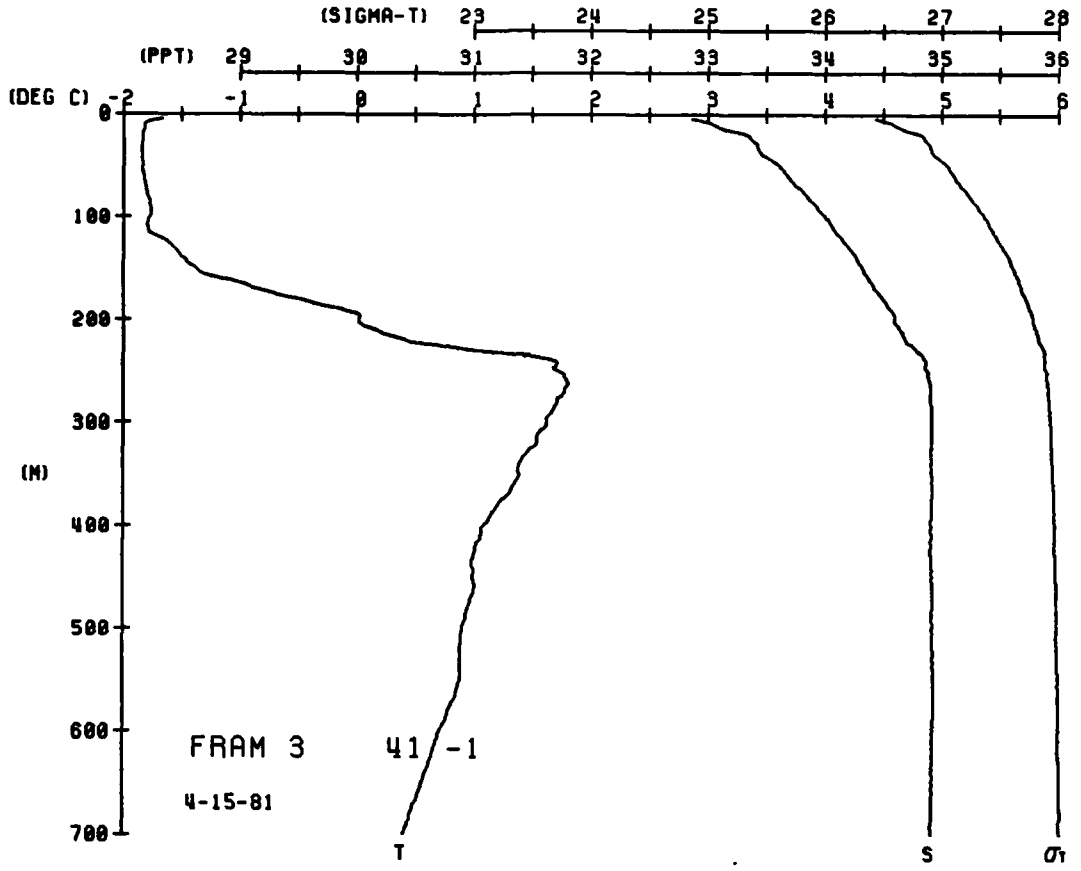
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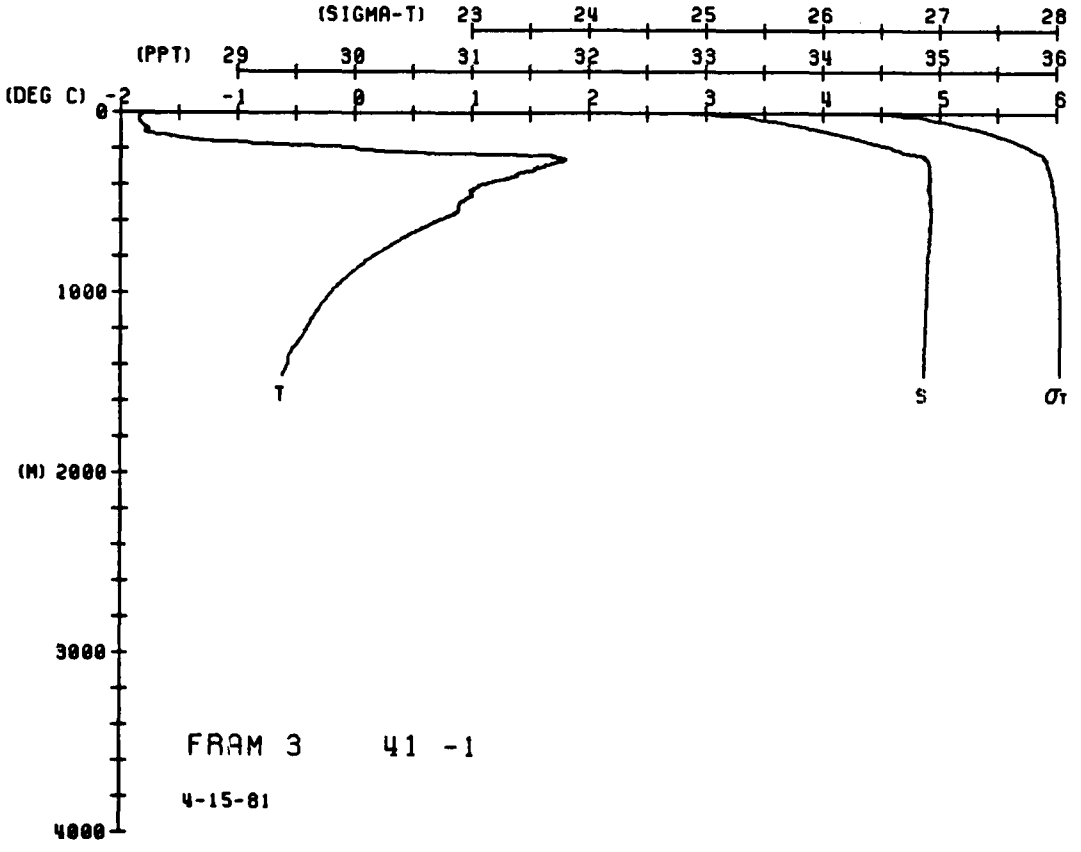
FRAM 3 STATION 42(1) CTD 15/APR/1981 1410 GMT CODE = 5
LAT = 83.0767N LNG = 0.0500W LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	32.20	25.90	208.8	0.000	1437.1
4.0	-1.76	-1.77	32.20	25.90	208.7	0.008	1437.2
5.0	-1.76	-1.77	32.20	25.91	208.5	0.011	1437.2
10.0	-1.76	-1.77	32.21	25.91	208.0	0.021	1437.3
15.0	-1.77	-1.77	32.23	25.92	206.7	0.032	1437.4
20.0	-1.77	-1.77	32.24	25.93	205.8	0.042	1437.5
25.0	-1.77	-1.77	32.24	25.93	205.7	0.052	1437.6
30.0	-1.77	-1.77	32.24	25.93	205.6	0.063	1437.7
35.0	-1.77	-1.77	32.26	25.95	203.9	0.073	1437.8
40.0	-1.77	-1.77	32.38	26.05	194.7	0.083	1438.0
45.0	-1.76	-1.76	32.50	26.15	185.4	0.093	1438.3
50.0	-1.75	-1.75	32.67	26.29	171.8	0.102	1438.7
55.0	-1.73	-1.73	32.90	26.47	154.7	0.110	1439.2
60.0	-1.71	-1.71	33.14	26.67	136.0	0.117	1439.7
65.0	-1.70	-1.70	33.37	26.85	118.3	0.124	1440.2
70.0	-1.71	-1.71	33.55	27.00	104.5	0.129	1440.5
75.0	-1.73	-1.73	33.70	27.12	92.7	0.134	1440.7
80.0	-1.74	-1.74	33.79	27.20	85.4	0.139	1440.9
85.0	-1.73	-1.73	33.89	27.27	78.3	0.143	1441.1
90.0	-1.71	-1.71	33.95	27.33	73.1	0.147	1441.4
95.0	-1.66	-1.67	34.03	27.39	67.5	0.150	1441.8
100.0	-1.63	-1.63	34.10	27.45	62.0	0.154	1442.1
110.0	-1.58	-1.58	34.19	27.52	55.3	0.160	1442.7
120.0	-1.47	-1.47	34.27	27.58	49.5	0.165	1443.5
130.0	-1.36	-1.36	34.32	27.61	46.1	0.170	1444.2
140.0	-1.15	-1.15	34.37	27.65	42.9	0.174	1445.4
150.0	-0.91	-0.91	34.43	27.69	39.2	0.178	1446.8
160.0	-0.68	-0.69	34.47	27.71	37.2	0.182	1448.1
170.0	-0.39	-0.39	34.54	27.76	32.8	0.186	1449.7
180.0	-0.19	-0.20	34.57	27.77	31.5	0.189	1450.8
190.0	-0.01	-0.02	34.62	27.80	29.2	0.192	1451.9
200.0	0.19	0.18	34.66	27.82	26.7	0.195	1453.0
210.0	0.44	0.43	34.70	27.84	25.0	0.198	1454.4
220.0	0.64	0.63	34.77	27.88	21.5	0.200	1455.5
230.0	0.81	0.80	34.80	27.90	20.1	0.202	1456.5
240.0	0.99	0.98	34.83	27.91	19.3	0.204	1457.5
250.0	1.09	1.08	34.87	27.94	16.8	0.206	1458.2
260.0	1.08	1.06	34.88	27.95	15.8	0.208	1458.3
270.0	1.01	1.00	34.88	27.95	15.5	0.209	1458.2
280.0	1.02	1.01	34.88	27.94	16.0	0.211	1458.4
290.0	1.12	1.11	34.90	27.96	14.9	0.212	1459.0
300.0	1.16	1.15	34.93	27.98	12.8	0.214	1459.4
310.0	1.1	1.15	34.93	27.98	13.2	0.215	1459.6
320.0	1.14	1.12	34.93	27.98	12.6	0.216	1459.6
330.0	1.09	1.07	34.94	27.99	12.1	0.218	1459.6
340.0	1.01	0.99	34.93	27.99	12.2	0.219	1459.4
350.0	0.97	0.96	34.91	27.98	13.0	0.220	1459.4
360.0	0.94	0.92	34.93	27.99	11.6	0.221	1459.4
370.0	0.95	0.93	34.92	27.99	12.3	0.223	1459.6
380.0	1.00	0.98	34.93	27.99	12.2	0.224	1460.0
390.0	1.00	0.99	34.94	28.00	11.1	0.225	1460.2
400.0	0.98	0.96	34.95	28.01	10.2	0.226	1460.3
410.0	0.95	0.93	34.94	28.00	10.7	0.227	1460.3
420.0	0.92	0.90	34.94	28.00	10.7	0.228	1460.4
430.0	0.88	0.86	34.94	28.01	10.5	0.229	1460.3
440.0	0.88	0.85	34.94	28.01	10.4	0.230	1460.5
450.0	0.85	0.83	34.94	28.01	10.4	0.231	1460.5
460.0	0.84	0.82	34.93	28.00	10.7	0.232	1460.7
470.0	0.85	0.83	34.94	28.01	10.5	0.234	1460.9
480.0	0.86	0.84	34.95	28.02	9.7	0.235	1461.1
490.0	0.86	0.84	34.95	28.01	9.8	0.236	1461.3
500.0	0.86	0.83	34.95	28.01	9.9	0.237	1461.4
500.0	0.86	0.83	34.95	28.01	9.9	0.237	1461.4

FRAM 3 STATION 43(1) CTD 15/APR/1981 1513 GMT CODE = 5
LAT = 83.0883N LNG = 2.3000E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	32.60	26.23	178.2	0.000	1437.5
4.0	-1.82	-1.82	32.60	26.23	178.2	0.007	1437.5
5.0	-1.81	-1.81	32.59	26.22	178.3	0.009	1437.5
10.0	-1.80	-1.81	32.59	26.22	178.9	0.018	1437.7
15.0	-1.81	-1.81	32.63	26.25	175.6	0.027	1437.8
20.0	-1.82	-1.82	32.66	26.28	173.3	0.036	1437.9
25.0	-1.82	-1.82	32.69	26.30	170.6	0.045	1438.0
30.0	-1.83	-1.83	32.76	26.36	165.1	0.053	1438.1
35.0	-1.83	-1.83	32.79	26.39	162.6	0.061	1438.3
40.0	-1.83	-1.83	32.86	26.45	157.1	0.069	1438.4
45.0	-1.84	-1.84	33.00	26.55	146.7	0.077	1438.7
50.0	-1.82	-1.82	33.20	26.72	131.2	0.084	1439.1
55.0	-1.82	-1.82	33.33	26.83	120.8	0.090	1439.4
60.0	-1.81	-1.81	33.44	26.92	112.3	0.096	1439.7
65.0	-1.81	-1.81	33.58	27.02	102.0	0.102	1439.9
70.0	-1.80	-1.80	33.67	27.10	94.5	0.107	1440.2
75.0	-1.78	-1.78	33.76	27.17	88.0	0.111	1440.5
80.0	-1.75	-1.75	33.85	27.24	81.4	0.116	1440.9
85.0	-1.73	-1.73	33.94	27.31	74.4	0.120	1441.2
90.0	-1.72	-1.72	34.01	27.37	68.9	0.123	1441.4
95.0	-1.70	-1.71	34.07	27.42	64.0	0.127	1441.6
100.0	-1.68	-1.69	34.12	27.46	60.2	0.130	1441.9
110.0	-1.62	-1.62	34.22	27.54	52.6	0.135	1442.5
120.0	-1.54	-1.54	34.28	27.59	48.2	0.140	1443.1
130.0	-1.40	-1.40	34.34	27.63	44.2	0.145	1444.0
140.0	-1.19	-1.20	34.40	27.67	40.5	0.149	1445.3
150.0	-0.97	-0.98	34.44	27.70	37.9	0.153	1446.5
160.0	-0.73	-0.73	34.49	27.73	35.0	0.157	1447.9
170.0	-0.44	-0.45	34.56	27.77	31.6	0.160	1449.5
180.0	-0.21	-0.22	34.60	27.80	29.0	0.163	1450.8
190.0	0.20	0.20	34.69	27.84	25.1	0.166	1452.9
200.0	0.45	0.44	34.73	27.87	22.9	0.169	1454.3
210.0	0.73	0.72	34.76	27.87	22.4	0.171	1455.8
220.0	1.01	0.99	34.84	27.92	18.4	0.173	1457.3
230.0	1.17	1.16	34.87	27.93	17.6	0.175	1458.2
240.0	1.20	1.18	34.89	27.94	16.3	0.177	1458.5
250.0	1.44	1.42	34.94	27.96	14.5	0.178	1459.8
260.0	1.39	1.37	34.95	27.98	12.7	0.179	1459.8
270.0	1.19	1.18	34.94	27.98	12.6	0.181	1459.1
280.0	1.23	1.21	34.94	27.98	12.8	0.182	1459.4
290.0	1.28	1.27	34.97	28.00	11.1	0.183	1459.8
300.0	1.27	1.26	34.97	28.00	10.7	0.184	1460.0
310.0	1.30	1.28	34.98	28.01	10.3	0.185	1460.2
320.0	1.25	1.24	34.98	28.01	9.9	0.186	1460.2
330.0	1.18	1.17	34.98	28.02	9.6	0.187	1460.1
340.0	1.08	1.06	34.97	28.02	9.3	0.188	1459.8
350.0	1.00	0.99	34.96	28.02	9.4	0.189	1459.6
360.0	0.96	0.95	34.96	28.02	9.4	0.190	1459.6
370.0	1.01	0.99	34.97	28.02	9.1	0.191	1459.9
380.0	0.99	0.97	34.97	28.03	8.7	0.192	1460.1
390.0	0.99	0.97	34.97	28.02	8.9	0.193	1460.2
400.0	1.00	0.98	34.98	28.03	8.3	0.194	1460.4
410.0	1.00	0.97	34.98	28.03	8.3	0.195	1460.6
420.0	0.99	0.96	34.98	28.03	8.4	0.196	1460.7
430.0	0.94	0.92	34.98	28.03	8.2	0.196	1460.7
440.0	0.91	0.89	34.98	28.03	8.0	0.197	1460.7
450.0	0.89	0.87	34.98	28.04	7.5	0.198	1460.8
460.0	0.88	0.86	34.98	28.04	7.7	0.199	1460.9
470.0	0.86	0.84	34.98	28.04	7.5	0.200	1461.0
480.0	0.85	0.83	34.98	28.04	7.3	0.200	1461.1
490.0	0.84	0.82	34.99	28.05	6.8	0.201	1461.2
498.0	0.83	0.81	34.98	28.04	7.4	0.202	1461.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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200
300
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400
500
600
700
FRAM 3 41 -1
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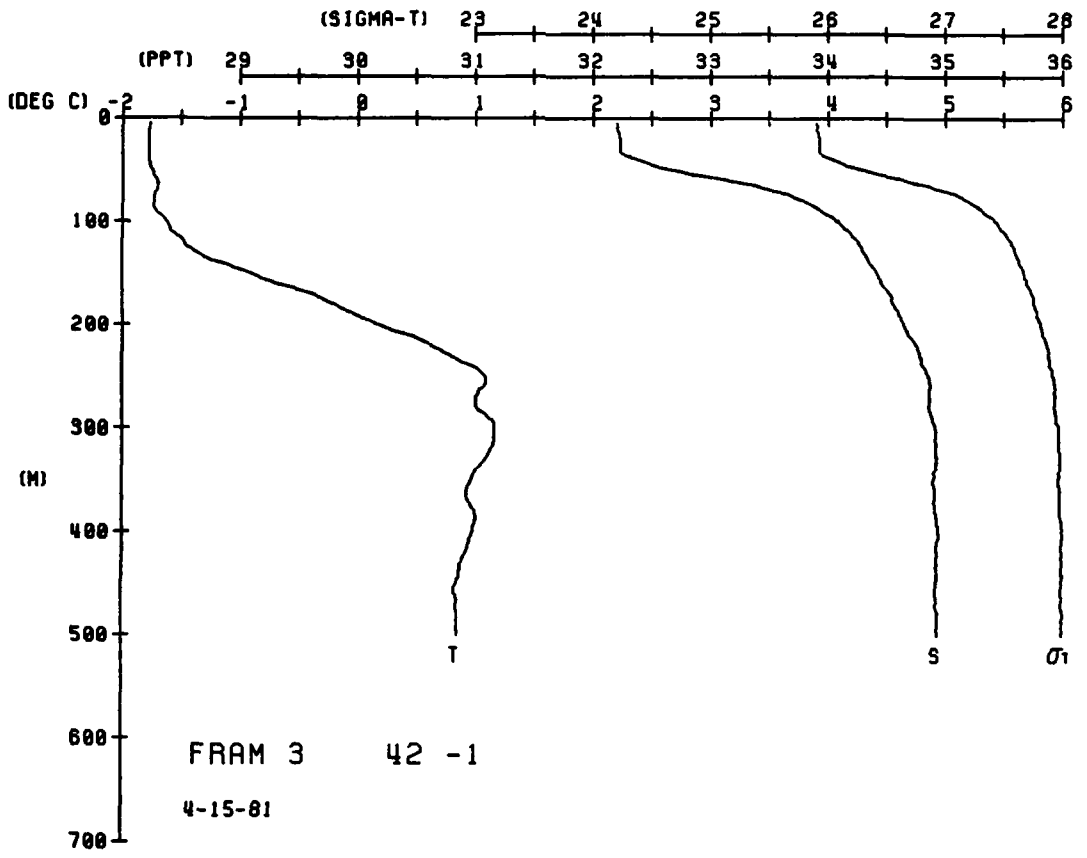

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
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FRAM 3 STATION 44(1) CTD 15/APR/1981 1610 GMT CODE = 5
LAT = 83.0050N LNG = 3.9200E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.87	-1.87	32.89	26.47	155.5	0.000	1437.6
4.0	-1.87	-1.87	32.89	26.47	155.5	0.006	1437.7
5.0	-1.86	-1.86	32.90	26.48	154.2	0.008	1437.7
10.0	-1.85	-1.85	32.99	26.55	147.7	0.016	1438.0
15.0	-1.84	-1.84	33.03	26.58	144.3	0.023	1438.2
20.0	-1.84	-1.84	33.06	26.60	142.2	0.030	1438.4
25.0	-1.84	-1.84	33.08	26.62	140.9	0.037	1438.5
30.0	-1.85	-1.85	33.09	26.63	139.7	0.044	1438.5
35.0	-1.85	-1.85	33.11	26.64	138.2	0.051	1438.6
40.0	-1.85	-1.85	33.17	26.69	133.4	0.058	1438.8
45.0	-1.85	-1.85	33.22	26.73	129.6	0.065	1438.9
50.0	-1.86	-1.86	33.26	26.77	126.2	0.071	1439.0
55.0	-1.86	-1.86	33.33	26.82	121.4	0.078	1439.2
60.0	-1.85	-1.85	33.47	26.94	110.2	0.083	1439.5
65.0	-1.85	-1.85	33.62	27.06	98.9	0.089	1439.8
70.0	-1.85	-1.85	33.73	27.15	90.1	0.094	1440.1
75.0	-1.85	-1.85	33.85	27.25	80.8	0.098	1440.3
80.0	-1.82	-1.82	33.95	27.33	73.2	0.102	1440.7
85.0	-1.77	-1.77	34.02	27.39	67.6	0.105	1441.1
90.0	-1.76	-1.76	34.09	27.44	62.8	0.109	1441.3
95.0	-1.74	-1.74	34.14	27.48	59.0	0.112	1441.6
100.0	-1.68	-1.69	34.17	27.50	56.6	0.115	1442.0
110.0	-1.58	-1.59	34.25	27.56	50.7	0.120	1442.7
120.0	-1.51	-1.51	34.32	27.62	45.5	0.125	1443.3
130.0	-1.28	-1.28	34.37	27.65	42.3	0.129	1444.7
140.0	-1.01	-1.01	34.42	27.69	39.3	0.133	1446.2
150.0	-0.66	-0.66	34.47	27.71	37.1	0.137	1448.0
160.0	-0.35	-0.36	34.56	27.77	31.9	0.141	1449.7
170.0	-0.04	-0.05	34.61	27.79	29.4	0.144	1451.4
180.0	0.28	0.27	34.68	27.83	26.2	0.147	1453.1
190.0	0.57	0.56	34.72	27.84	25.0	0.149	1454.6
200.0	1.08	1.07	34.80	27.88	22.0	0.152	1457.2
210.0	1.33	1.32	34.85	27.90	19.9	0.154	1458.6
220.0	1.59	1.58	34.91	27.93	17.3	0.156	1460.0
230.0	1.70	1.69	34.94	27.95	15.8	0.157	1460.7
240.0	1.74	1.73	34.96	27.96	15.0	0.159	1461.0
250.0	1.79	1.78	34.97	27.96	14.6	0.160	1461.4
260.0	1.77	1.76	34.96	27.96	14.9	0.162	1461.5
270.0	1.76	1.75	34.98	27.98	13.6	0.163	1461.6
280.0	1.75	1.73	34.99	27.98	13.2	0.165	1461.8
290.0	1.65	1.64	34.98	27.98	13.2	0.166	1461.5
300.0	1.54	1.53	34.98	27.99	12.3	0.167	1461.2
310.0	1.52	1.51	34.99	28.00	11.6	0.169	1461.3
320.0	1.52	1.50	34.98	27.99	11.8	0.170	1461.4
330.0	1.48	1.46	34.99	28.00	11.1	0.171	1461.4
340.0	1.38	1.36	34.99	28.01	10.5	0.172	1461.1
350.0	1.35	1.33	34.98	28.01	10.5	0.173	1461.2
360.0	1.30	1.28	34.98	28.01	10.2	0.174	1461.1
370.0	1.23	1.21	34.98	28.01	10.0	0.175	1461.0
380.0	1.20	1.18	34.98	28.02	9.7	0.176	1461.0
390.0	1.14	1.12	34.98	28.02	9.7	0.177	1460.9
400.0	1.12	1.10	34.97	28.02	9.6	0.178	1461.0
410.0	1.11	1.09	34.98	28.02	9.0	0.179	1461.1
420.0	1.08	1.06	34.99	28.03	8.4	0.180	1461.1
430.0	1.09	1.07	34.98	28.02	9.0	0.181	1461.3
440.0	1.04	1.02	34.99	28.04	7.8	0.182	1461.3
450.0	1.01	0.99	34.99	28.03	8.0	0.182	1461.3
460.0	1.00	0.97	34.98	28.03	8.5	0.183	1461.4
470.0	0.98	0.96	34.98	28.03	8.1	0.184	1461.5
480.0	0.95	0.93	34.98	28.03	8.3	0.185	1461.5
490.0	0.94	0.91	34.97	28.03	8.5	0.186	1461.6
498.0	0.92	0.89	34.98	28.04	7.7	0.186	1461.7

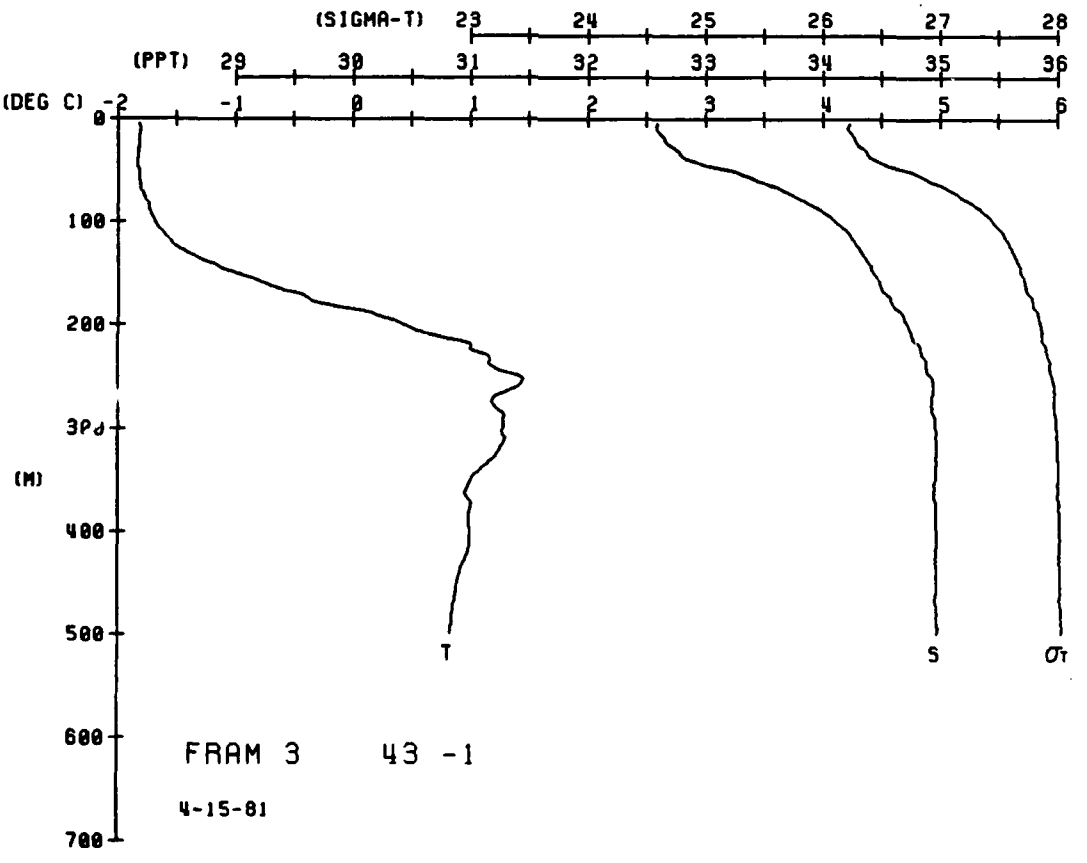
FRAM 3 STATION 45(1) CTD 15/APR/1981 1708 GMT CODE = 5
LAT = 83.1050N LNG = 5.4500E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.06	26.61	142.0	0.000	1438.1
4.0	-1.82	-1.82	33.06	26.61	141.9	0.006	1438.2
5.0	-1.83	-1.83	33.08	26.62	140.7	0.007	1438.2
10.0	-1.84	-1.84	33.15	26.68	135.2	0.014	1438.3
15.0	-1.84	-1.84	33.21	26.72	131.0	0.021	1438.5
20.0	-1.85	-1.85	33.22	26.74	129.5	0.027	1438.5
25.0	-1.85	-1.85	33.22	26.74	129.6	0.034	1438.6
30.0	-1.85	-1.85	33.23	26.74	128.8	0.041	1438.7
35.0	-1.85	-1.85	33.23	26.74	128.7	0.047	1438.8
40.0	-1.86	-1.86	33.24	26.75	128.3	0.054	1438.8
45.0	-1.86	-1.86	33.25	26.76	127.6	0.060	1438.9
50.0	-1.86	-1.86	33.25	26.76	127.3	0.066	1439.0
55.0	-1.86	-1.86	33.34	26.83	120.5	0.073	1439.2
60.0	-1.86	-1.86	33.50	26.96	108.0	0.078	1439.5
65.0	-1.86	-1.86	33.65	27.08	96.6	0.084	1439.8
70.0	-1.86	-1.86	33.82	27.22	83.5	0.088	1440.1
75.0	-1.86	-1.86	33.93	27.31	74.5	0.092	1440.4
80.0	-1.86	-1.86	33.98	27.35	70.7	0.096	1440.6
85.0	-1.82	-1.82	34.01	27.38	68.2	0.099	1440.8
90.0	-1.80	-1.80	34.06	27.41	64.9	0.103	1441.1
95.0	-1.78	-1.78	34.09	27.44	62.7	0.106	1441.3
100.0	-1.74	-1.75	34.11	27.46	60.7	0.109	1441.6
110.0	-1.67	-1.67	34.16	27.50	57.2	0.115	1442.2
120.0	-1.53	-1.54	34.24	27.55	51.7	0.121	1443.1
130.0	-1.44	-1.44	34.30	27.60	46.8	0.126	1443.8
140.0	-1.37	-1.38	34.34	27.63	44.1	0.130	1444.3
150.0	-1.10	-1.10	34.38	27.66	41.8	0.134	1445.8
160.0	-0.85	-0.86	34.44	27.70	38.3	0.139	1447.2
170.0	-0.66	-0.67	34.49	27.73	35.5	0.142	1448.4
180.0	-0.25	-0.26	34.56	27.76	32.1	0.146	1450.5
190.0	0.06	0.06	34.62	27.80	29.4	0.149	1452.2
200.0	0.33	0.32	34.67	27.82	27.3	0.152	1453.6
210.0	0.75	0.74	34.74	27.85	24.3	0.154	1455.8
220.0	0.94	0.93	34.80	27.89	21.2	0.157	1456.9
230.0	1.09	1.08	34.80	27.88	22.0	0.159	1457.8
240.0	1.41	1.40	34.84	27.89	21.3	0.161	1459.4
250.0	1.58	1.56	34.91	27.93	17.7	0.163	1460.4
260.0	1.76	1.75	34.95	27.95	16.3	0.165	1461.5
270.0	1.74	1.73	34.96	27.96	15.0	0.166	1461.6
280.0	1.75	1.74	34.97	27.97	14.5	0.168	1461.8
290.0	1.71	1.69	34.97	27.97	13.9	0.169	1461.7
300.0	1.62	1.60	34.98	27.98	12.8	0.171	1461.5
310.0	1.51	1.49	34.97	27.98	12.9	0.172	1461.2
320.0	1.33	1.32	34.95	27.98	13.0	0.173	1460.5
330.0	1.37	1.36	34.95	27.98	13.2	0.174	1460.9
340.0	1.35	1.33	34.98	28.00	10.9	0.176	1461.0
350.0	1.34	1.32	34.96	27.99	12.1	0.177	1461.1
360.0	1.33	1.31	34.97	28.00	11.2	0.178	1461.2
370.0	1.28	1.26	34.97	28.01	10.8	0.179	1461.2
380.0	1.21	1.19	34.98	28.01	10.1	0.180	1461.0
390.0	1.13	1.11	34.97	28.01	9.8	0.181	1460.9
400.0	1.09	1.07	34.96	28.01	10.3	0.182	1460.8
410.0	1.07	1.04	34.96	28.01	10.5	0.183	1460.9
420.0	1.03	1.01	34.96	28.01	9.9	0.184	1460.9
430.0	1.00	0.98	34.96	28.01	9.9	0.185	1460.9
440.0	0.96	0.94	34.96	28.02	9.4	0.186	1460.9
450.0	0.96	0.94	34.97	28.02	8.8	0.187	1461.1
460.0	0.96	0.94	34.98	28.03	8.5	0.188	1461.3
470.0	0.95	0.92	34.97	28.02	9.0	0.189	1461.3
480.0	0.93	0.90	34.97	28.02	8.9	0.190	1461.4
490.0	0.90	0.88	34.97	28.03	8.8	0.191	1461.5
498.0	0.88	0.86	34.96	28.02	9.4	0.192	1461.5



FRAM 3 42 -1

4-15-81

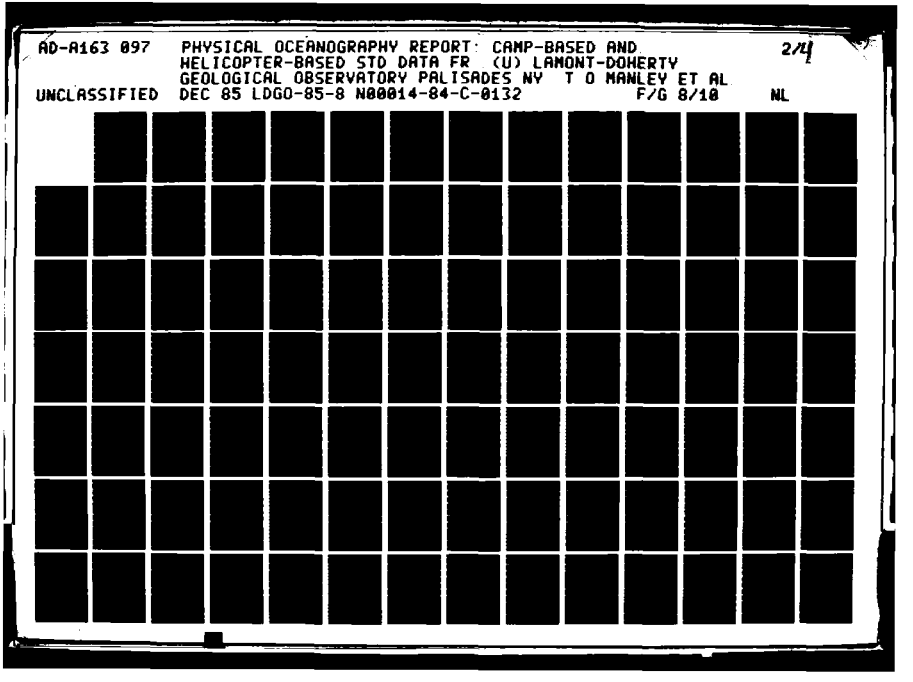


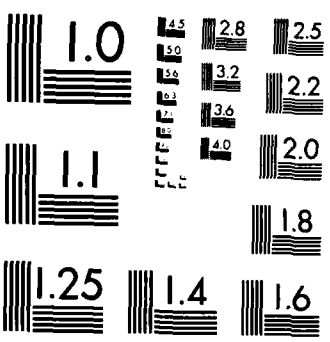
FRAM 3 43 -1

4-15-81

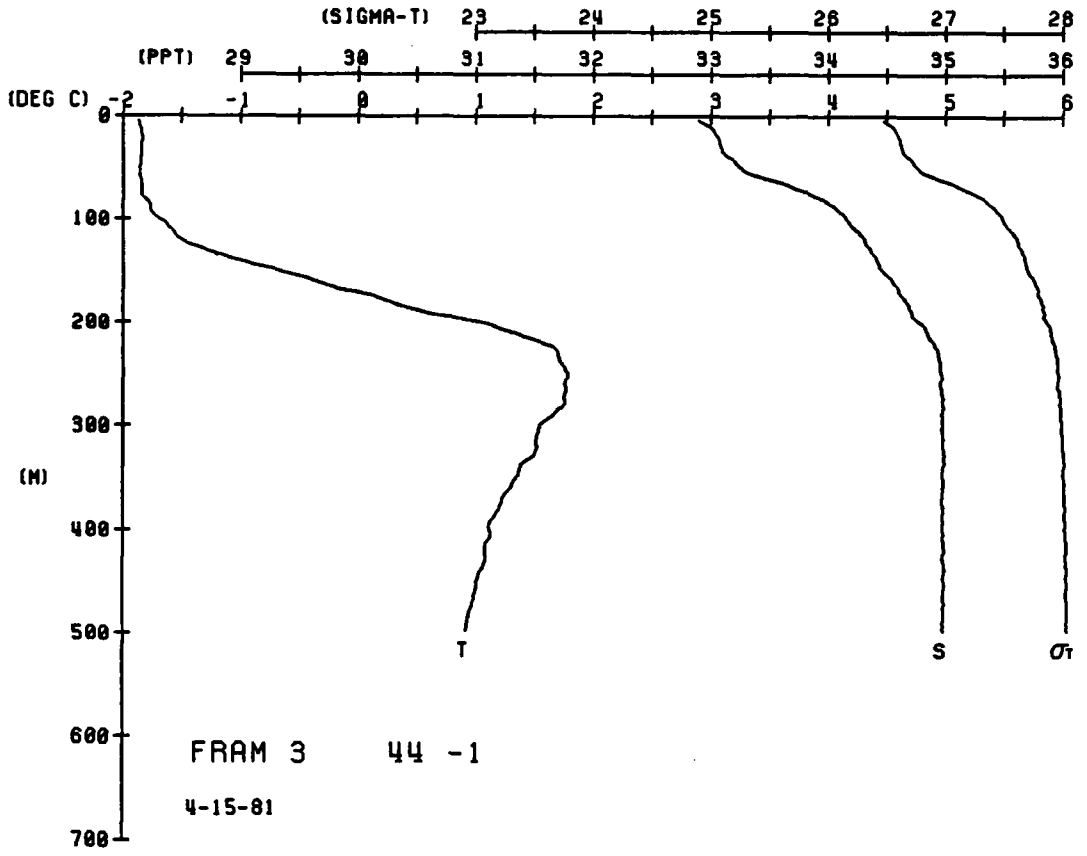
FRAM 3 STATION 46(1) CTD 15/APR/1981 1948 GMT CODE = 5
LAT = 82.9670N LNG = 6.9838E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.68	-1.68	32.88	26.45	156.6	0.000	1438.5
4.0	-1.68	-1.69	32.88	26.45	156.6	0.006	1438.5
5.0	-1.71	-1.71	32.91	26.48	154.1	0.008	1438.5
10.0	-1.81	-1.81	33.04	26.59	143.9	0.015	1438.3
15.0	-1.83	-1.83	33.20	26.72	131.5	0.022	1438.5
20.0	-1.82	-1.82	33.35	26.84	119.4	0.029	1438.8
25.0	-1.83	-1.83	33.41	26.89	115.2	0.035	1439.0
30.0	-1.84	-1.84	33.44	26.91	113.1	0.041	1439.0
35.0	-1.84	-1.84	33.45	26.92	112.3	0.046	1439.1
40.0	-1.83	-1.83	33.52	26.98	106.8	0.052	1439.4
45.0	-1.84	-1.84	33.59	27.03	100.8	0.057	1439.5
50.0	-1.84	-1.84	33.64	27.07	97.4	0.062	1439.6
55.0	-1.83	-1.83	33.67	27.10	94.7	0.067	1439.8
60.0	-1.83	-1.83	33.74	27.16	89.1	0.071	1440.0
65.0	-1.85	-1.85	33.81	27.21	84.2	0.076	1440.1
70.0	-1.85	-1.86	33.84	27.24	81.6	0.080	1440.2
75.0	-1.86	-1.86	33.87	27.26	79.3	0.084	1440.3
80.0	-1.86	-1.86	33.89	27.28	77.3	0.088	1440.4
85.0	-1.86	-1.86	33.90	27.29	76.6	0.092	1440.5
90.0	-1.86	-1.86	33.91	27.30	75.7	0.096	1440.6
95.0	-1.85	-1.85	33.94	27.32	74.0	0.100	1440.8
100.0	-1.83	-1.84	33.96	27.33	72.4	0.103	1440.9
110.0	-1.75	-1.76	34.03	27.39	67.1	0.110	1441.6
120.0	-1.78	-1.78	34.10	27.45	61.7	0.117	1441.7
130.0	-1.59	-1.60	34.18	27.51	55.5	0.123	1442.9
140.0	-1.49	-1.50	34.27	27.58	49.2	0.128	1443.7
150.0	-1.37	-1.38	34.33	27.62	44.9	0.133	1444.5
160.0	-1.16	-1.17	34.38	27.66	41.6	0.137	1445.7
170.0	-0.82	-0.83	34.45	27.70	37.8	0.141	1447.6
180.0	-0.53	-0.54	34.52	27.74	34.2	0.145	1449.2
190.0	-0.10	-0.11	34.58	27.77	31.2	0.148	1451.4
200.0	0.40	0.39	34.65	27.80	29.2	0.151	1453.9
210.0	0.62	0.62	34.70	27.83	26.6	0.154	1455.2
220.0	0.92	0.91	34.75	27.85	24.7	0.157	1456.8
230.0	1.01	1.00	34.80	27.88	21.7	0.159	1457.4
240.0	1.52	1.51	34.86	27.89	21.1	0.161	1459.9
250.0	1.77	1.76	34.90	27.91	20.1	0.163	1461.3
260.0	1.75	1.74	34.90	27.91	19.7	0.165	1461.3
270.0	1.76	1.74	34.91	27.92	19.2	0.167	1461.5
280.0	1.79	1.77	34.92	27.93	18.4	0.169	1461.8
290.0	1.74	1.72	34.92	27.93	18.0	0.171	1461.8
300.0	1.73	1.71	34.93	27.94	17.5	0.173	1461.9
310.0	1.65	1.64	34.93	27.94	17.2	0.175	1461.8
320.0	1.58	1.57	34.92	27.94	16.9	0.176	1461.6
330.0	1.51	1.49	34.92	27.95	16.5	0.178	1461.5
340.0	1.47	1.45	34.92	27.95	16.0	0.180	1461.4
350.0	1.42	1.40	34.93	27.96	15.4	0.181	1461.4
360.0	1.39	1.37	34.93	27.96	15.2	0.183	1461.4
370.0	1.36	1.34	34.92	27.96	15.3	0.184	1461.4
380.0	1.30	1.28	34.93	27.97	14.5	0.186	1461.4
390.0	1.23	1.21	34.92	27.97	14.4	0.187	1461.2
400.0	1.14	1.12	34.92	27.97	13.8	0.189	1461.0
410.0	1.09	1.07	34.92	27.97	13.7	0.190	1460.9
420.0	1.05	1.02	34.92	27.98	13.4	0.191	1460.9
430.0	1.02	1.00	34.92	27.98	13.1	0.193	1461.0
440.0	1.00	0.98	34.92	27.98	12.9	0.194	1461.0
450.0	1.01	0.99	34.93	27.99	12.6	0.195	1461.2
460.0	1.00	0.97	34.93	27.99	12.6	0.197	1461.3
470.0	0.98	0.95	34.92	27.99	12.5	0.198	1461.4
480.0	0.95	0.93	34.92	27.99	12.4	0.199	1461.5
490.0	0.94	0.91	34.92	27.99	12.3	0.200	1461.6
500.0	0.91	0.89	34.93	27.99	12.0	0.202	1461.6
510.0	0.88	0.86	34.93	28.00	11.2	0.205	1462.0
520.0	0.86	0.83	34.94	28.01	10.8	0.209	1462.4
530.0	0.75	0.72	34.93	28.01	10.4	0.212	1462.4
540.0	0.64	0.61	34.93	28.01	9.9	0.215	1462.4
550.0	0.54	0.51	34.93	28.02	9.3	0.218	1462.5
560.0	0.47	0.44	34.92	28.02	9.1	0.221	1462.6
710.0	0.37	0.34	34.92	28.02	8.5	0.223	1462.7
740.0	0.29	0.26	34.92	28.02	8.2	0.226	1462.8
790.0	0.17	0.13	34.92	28.03	7.5	0.230	1463.1
840.0	0.06	0.03	34.91	28.03	7.4	0.234	1463.5
890.0	-0.03	-0.07	34.91	28.03	6.7	0.237	1463.9
940.0	-0.10	-0.14	34.91	28.04	6.3	0.240	1464.4
990.0	-0.17	-0.22	34.90	28.04	6.1	0.244	1464.9
1040.0	-0.24	-0.29	34.90	28.04	5.8	0.247	1465.4
1090.0	-0.30	-0.35	34.90	28.04	5.2	0.249	1466.0
1140.0	-0.35	-0.40	34.90	28.04	4.9	0.252	1466.6
1190.0	-0.40	-0.45	34.89	28.04	4.7	0.254	1467.2
1240.0	-0.44	-0.50	34.90	28.04	4.2	0.257	1467.9
1290.0	-0.49	-0.55	34.89	28.05	3.9	0.259	1468.5
1340.0	-0.53	-0.59	34.89	28.05	3.7	0.261	1469.2
1390.0	-0.58	-0.65	34.89	28.05	3.4	0.262	1469.7
1440.0	-0.61	-0.67	34.89	28.05	3.0	0.264	1470.5
1455.1	-0.62	-0.69	34.89	28.05	2.9	0.264	1470.7


AD-A163 097
PHYSICAL OCEANOGRAPHY REPORT: CAMP-BASED AND
HELICOPTER-BASED STD DATA FR (U) LAMONT-DOHERTY
GEOLOGICAL OBSERVATORY PALISADES NY T O MANLEY ET AL
UNCLASSIFIED
DEC 85 LDGO-85-8 N00014-84-C-0132
F/G 8/10
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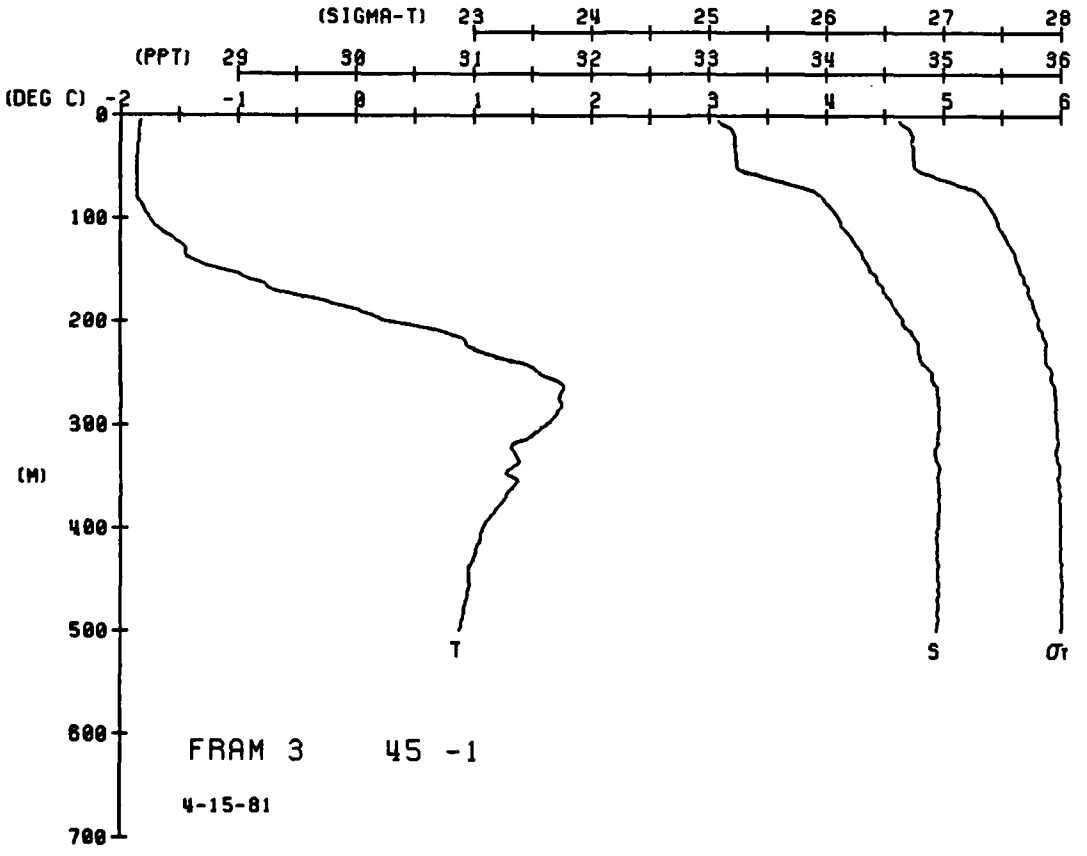


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



FRAM 3 44 -1

4-15-81



FRAM 3 45 -1

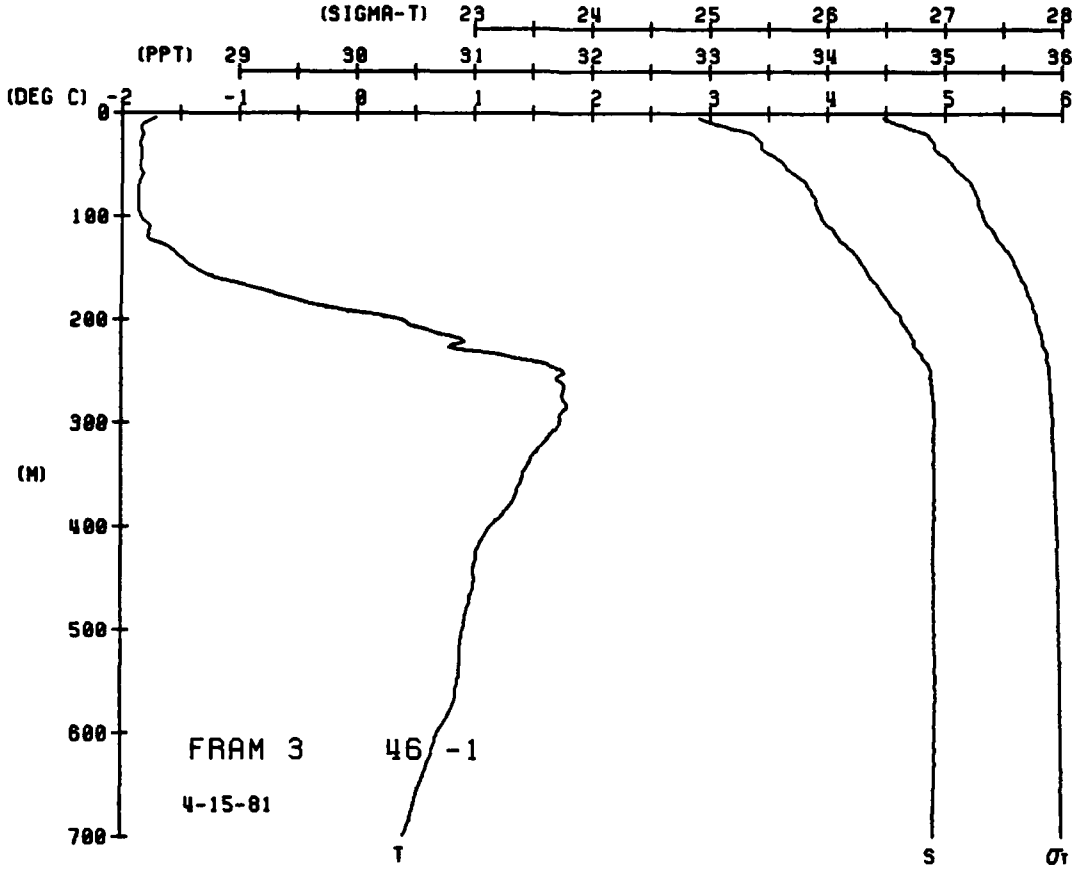
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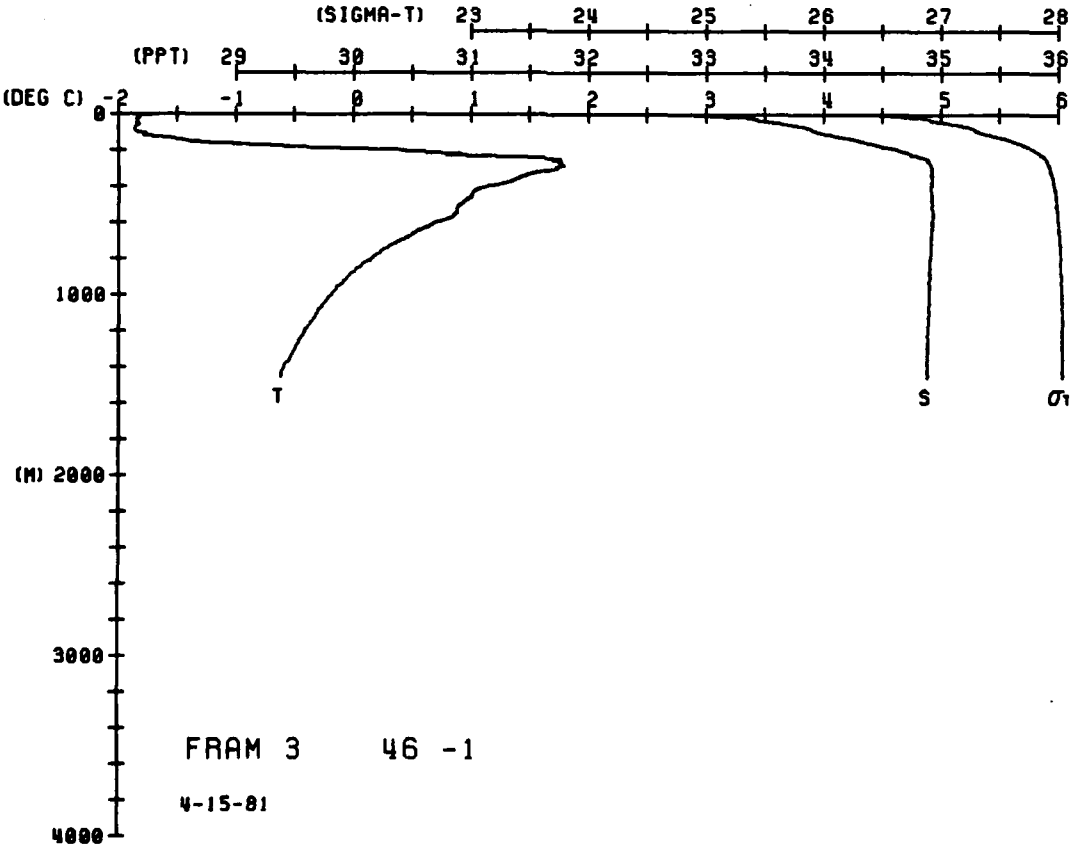
FRAM 3 STATION 47(1) CTD 15/APR/1981 2117 GMT CODE = 5
LAT = 83.0850N LNG = 11.9733E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

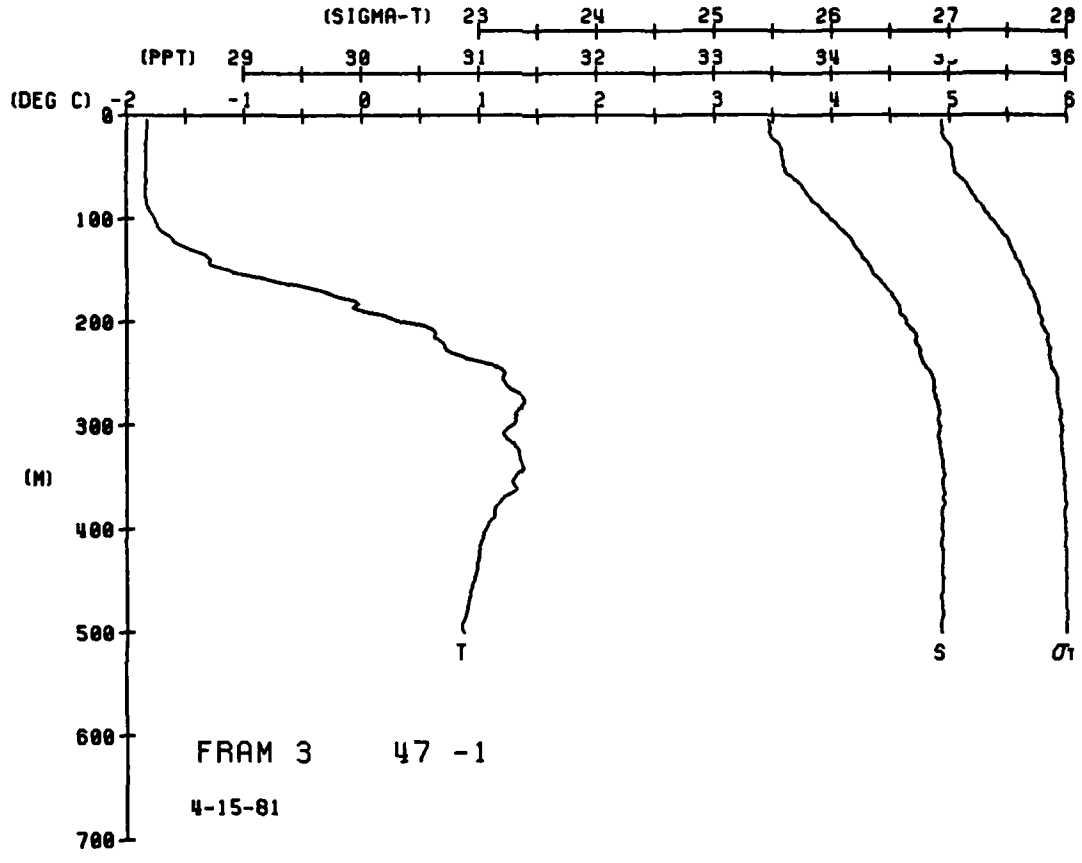
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.45	26.92	111.9	0.000	1438.7
4.0	-1.82	-1.82	33.45	26.92	111.9	0.004	1438.7
5.0	-1.83	-1.83	33.46	26.93	111.3	0.006	1438.7
10.0	-1.83	-1.83	33.47	26.94	110.6	0.011	1438.8
15.0	-1.83	-1.83	33.48	26.94	110.0	0.017	1438.9
20.0	-1.83	-1.83	33.49	26.95	109.1	0.022	1439.0
25.0	-1.83	-1.83	33.53	26.99	105.8	0.028	1439.1
30.0	-1.83	-1.83	33.57	27.02	102.7	0.033	1439.3
35.0	-1.83	-1.83	33.58	27.03	101.8	0.038	1439.4
40.0	-1.83	-1.83	33.58	27.03	101.5	0.043	1439.4
45.0	-1.83	-1.83	33.59	27.04	100.8	0.048	1439.5
50.0	-1.83	-1.83	33.60	27.04	100.2	0.054	1439.6
55.0	-1.83	-1.83	33.62	27.06	98.8	0.059	1439.7
60.0	-1.83	-1.83	33.68	27.11	94.2	0.063	1439.9
65.0	-1.83	-1.83	33.73	27.15	90.1	0.068	1440.1
70.0	-1.83	-1.83	33.77	27.18	87.4	0.073	1440.2
75.0	-1.83	-1.83	33.80	27.20	85.0	0.077	1440.3
80.0	-1.83	-1.83	33.83	27.23	82.2	0.081	1440.5
85.0	-1.83	-1.83	33.87	27.26	79.2	0.085	1440.6
90.0	-1.81	-1.81	33.92	27.30	75.8	0.089	1440.9
95.0	-1.78	-1.78	33.95	27.32	73.4	0.093	1441.1
100.0	-1.75	-1.76	34.00	27.37	69.4	0.097	1441.4
110.0	-1.71	-1.72	34.09	27.43	62.9	0.103	1441.9
120.0	-1.60	-1.60	34.18	27.51	55.9	0.109	1442.7
130.0	-1.43	-1.44	34.23	27.55	52.3	0.115	1443.7
140.0	-1.28	-1.28	34.29	27.59	48.1	0.120	1444.7
150.0	-1.13	-1.14	34.35	27.63	44.6	0.124	1445.6
160.0	-0.77	-0.78	34.42	27.68	40.3	0.129	1447.6
170.0	-0.33	-0.34	34.49	27.71	36.9	0.133	1449.9
180.0	-0.04	-0.05	34.56	27.75	33.3	0.136	1451.5
190.0	0.05	0.04	34.59	27.77	31.7	0.140	1452.1
200.0	0.37	0.36	34.64	27.79	29.6	0.143	1453.8
210.0	0.63	0.63	34.71	27.84	25.7	0.145	1455.3
220.0	0.69	0.69	34.73	27.85	24.7	0.148	1455.7
230.0	0.78	0.77	34.75	27.86	23.5	0.150	1456.3
240.0	1.06	1.05	34.79	27.87	22.7	0.153	1457.8
250.0	1.22	1.21	34.85	27.91	19.0	0.155	1458.7
260.0	1.23	1.22	34.87	27.93	17.7	0.157	1459.0
270.0	1.36	1.35	34.89	27.93	17.3	0.159	1459.8
280.0	1.37	1.35	34.91	27.95	15.8	0.160	1460.0
290.0	1.31	1.30	34.91	27.95	15.4	0.162	1459.9
300.0	1.29	1.27	34.93	27.97	14.1	0.163	1460.0
310.0	1.23	1.21	34.91	27.96	14.8	0.165	1459.9
320.0	1.32	1.31	34.93	27.96	14.5	0.166	1460.5
330.0	1.35	1.33	34.94	27.98	13.4	0.168	1460.8
340.0	1.38	1.36	34.95	27.98	13.3	0.169	1461.1
350.0	1.30	1.29	34.96	27.99	12.1	0.170	1460.9
360.0	1.32	1.30	34.96	27.99	12.1	0.171	1461.2
370.0	1.21	1.19	34.95	27.99	11.9	0.173	1460.8
380.0	1.14	1.12	34.95	27.99	11.8	0.174	1460.7
390.0	1.12	1.10	34.95	28.00	11.5	0.175	1460.8
400.0	1.06	1.04	34.94	28.00	11.5	0.176	1460.7
410.0	1.03	1.01	34.94	27.99	11.7	0.177	1460.7
420.0	1.01	0.99	34.95	28.00	11.0	0.179	1460.8
430.0	1.00	0.97	34.95	28.00	10.7	0.180	1460.9
440.0	0.98	0.96	34.94	28.00	11.3	0.181	1461.0
450.0	0.96	0.94	34.95	28.01	10.4	0.182	1461.0
460.0	0.93	0.91	34.95	28.01	10.4	0.183	1461.1
470.0	0.91	0.89	34.94	28.00	10.7	0.184	1461.1
480.0	0.90	0.87	34.95	28.01	9.8	0.185	1461.3
490.0	0.87	0.84	34.93	28.00	11.1	0.186	1461.3
500.0	0.87	0.85	34.94	28.01	10.6	0.187	1461.5
500.0	0.87	0.85	34.94	28.01	10.6	0.187	1461.5

FRAM 3 STATION 48(1) CTD 15/APR/1981 2225 GMT CODE = 5
LAT = 83.0900N LNG = 9.6450E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	33.31	26.81	122.6	0.000	1438.4
4.0	-1.84	-1.84	33.31	26.81	122.6	0.005	1438.4
5.0	-1.84	-1.84	33.32	26.82	121.9	0.006	1438.5
10.0	-1.85	-1.85	33.38	26.87	117.4	0.012	1438.6
15.0	-1.85	-1.85	33.44	26.91	113.0	0.018	1438.7
20.0	-1.86	-1.86	33.48	26.94	110.0	0.024	1438.8
25.0	-1.86	-1.86	33.48	26.95	109.5	0.029	1438.9
30.0	-1.86	-1.86	33.50	26.96	108.4	0.035	1439.0
35.0	-1.86	-1.86	33.52	26.98	106.3	0.040	1439.1
40.0	-1.86	-1.86	33.55	27.00	104.3	0.046	1439.3
45.0	-1.86	-1.86	33.58	27.03	101.6	0.051	1439.4
50.0	-1.87	-1.87	33.59	27.04	101.1	0.056	1439.5
55.0	-1.87	-1.87	33.61	27.05	99.2	0.061	1439.6
60.0	-1.84	-1.84	33.65	27.08	96.6	0.066	1439.8
65.0	-1.81	-1.81	33.70	27.13	92.3	0.071	1440.1
70.0	-1.80	-1.80	33.77	27.18	87.2	0.075	1440.3
75.0	-1.79	-1.80	33.85	27.25	81.0	0.079	1440.6
80.0	-1.78	-1.78	33.92	27.30	75.4	0.083	1440.8
85.0	-1.77	-1.77	33.99	27.36	69.9	0.087	1441.1
90.0	-1.75	-1.76	34.03	27.39	67.0	0.091	1441.3
95.0	-1.74	-1.74	34.07	27.42	64.4	0.094	1441.5
100.0	-1.70	-1.71	34.11	27.45	61.1	0.097	1441.8
110.0	-1.66	-1.67	34.18	27.51	55.5	0.103	1442.2
120.0	-1.65	-1.65	34.26	27.57	49.9	0.108	1442.6
130.0	-1.62	-1.62	34.34	27.64	43.8	0.113	1443.0
140.0	-1.60	-1.61	34.34	27.64	43.3	0.117	1443.3
150.0	-1.57	-1.57	34.38	27.67	40.7	0.122	1443.6
160.0	-1.26	-1.27	34.38	27.66	41.6	0.126	1445.2
170.0	-1.04	-1.04	34.42	27.69	39.1	0.130	1446.5
180.0	-0.79	-0.79	34.48	27.72	35.8	0.134	1447.9
190.0	-0.46	-0.46	34.54	27.76	32.8	0.137	1449.7
200.0	-0.06	-0.07	34.56	27.75	33.2	0.140	1451.7
210.0	0.23	0.22	34.66	27.82	27.1	0.143	1453.4
220.0	0.16	0.16	34.68	27.84	25.1	0.146	1453.3
230.0	0.31	0.30	34.71	27.86	23.7	0.149	1454.1
240.0	0.52	0.51	34.77	27.89	20.8	0.151	1455.3
250.0	0.67	0.66	34.81	27.91	18.7	0.153	1456.2
260.0	0.86	0.85	34.85	27.93	17.2	0.155	1457.3
270.0	1.01	0.99	34.89	27.96	14.7	0.156	1458.2
280.0	1.00	0.99	34.91	27.97	13.2	0.158	1458.4
290.0	0.97	0.96	34.91	27.98	12.9	0.159	1458.4
300.0	0.99	0.97	34.90	27.97	13.9	0.160	1458.6
310.0	1.15	1.13	34.93	27.98	12.7	0.162	1459.5
320.0	1.21	1.20	34.96	28.00	11.2	0.163	1460.0
330.0	1.18	1.16	34.98	28.02	9.5	0.164	1460.1
340.0	1.15	1.13	34.99	28.02	8.8	0.165	1460.1
350.0	1.10	1.08	34.97	28.02	9.5	0.166	1460.0
360.0	1.08	1.06	34.98	28.02	9.1	0.167	1460.1
370.0	1.04	1.03	34.97	28.02	9.3	0.168	1460.1
380.0	1.03	1.01	34.97	28.02	9.1	0.169	1460.2
390.0	1.03	1.01	34.98	28.03	8.2	0.170	1460.4
400.0	1.01	0.99	34.97	28.02	9.0	0.170	1460.5
410.0	1.04	1.02	34.98	28.03	8.7	0.171	1460.8
420.0	1.02	1.00	34.98	28.03	8.4	0.172	1460.9
430.0	1.00	0.98	34.99	28.03	8.0	0.173	1461.0
440.0	0.98	0.96	34.98	28.03	8.6	0.174	1461.0
450.0	0.95	0.93	34.99	28.04	7.5	0.175	1461.0
460.0	0.92	0.90	34.98	28.03	7.9	0.175	1461.1
470.0	0.90	0.88	34.99	28.04	7.3	0.176	1461.2
480.0	0.90	0.87	34.98	28.04	7.4	0.177	1461.3
490.0	0.88	0.85	34.99	28.04	7.1	0.178	1461.4
498.0	0.86	0.84	34.99	28.05	6.9	0.178	1461.4

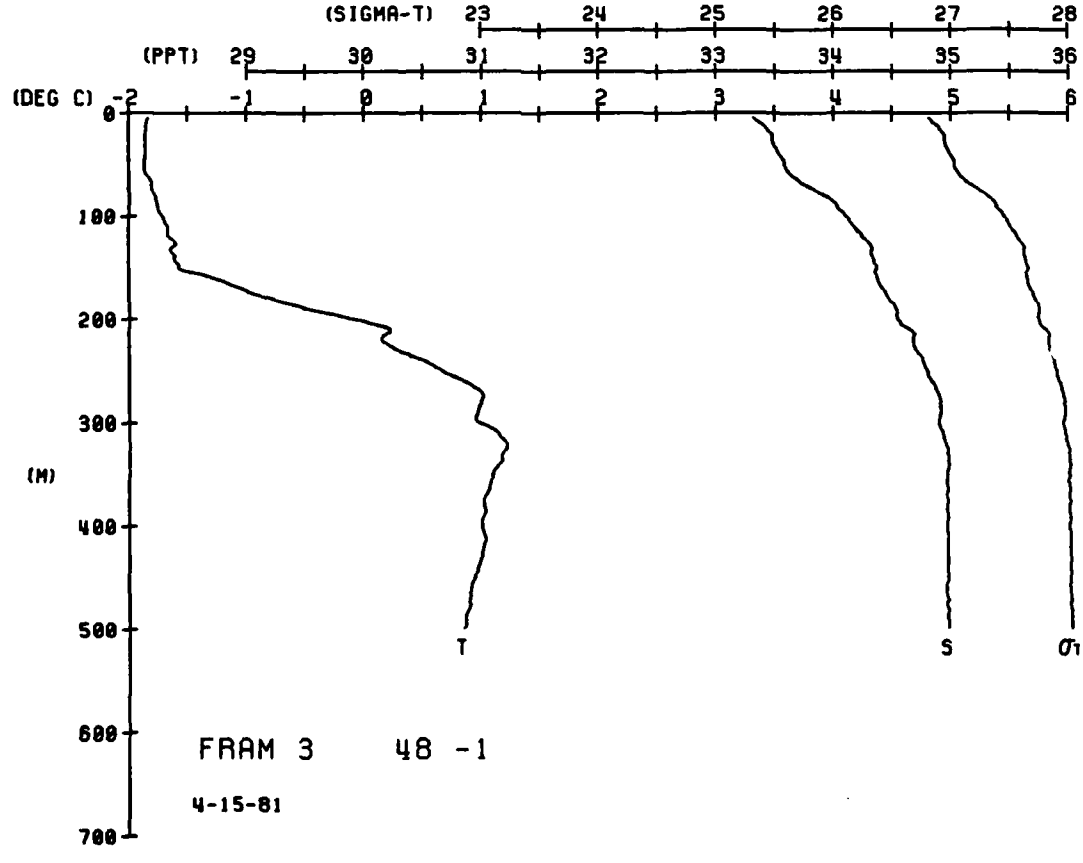

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M)
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FRAM 3 46 -1
4-15-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 46 -1
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FRAM 3 47 -1

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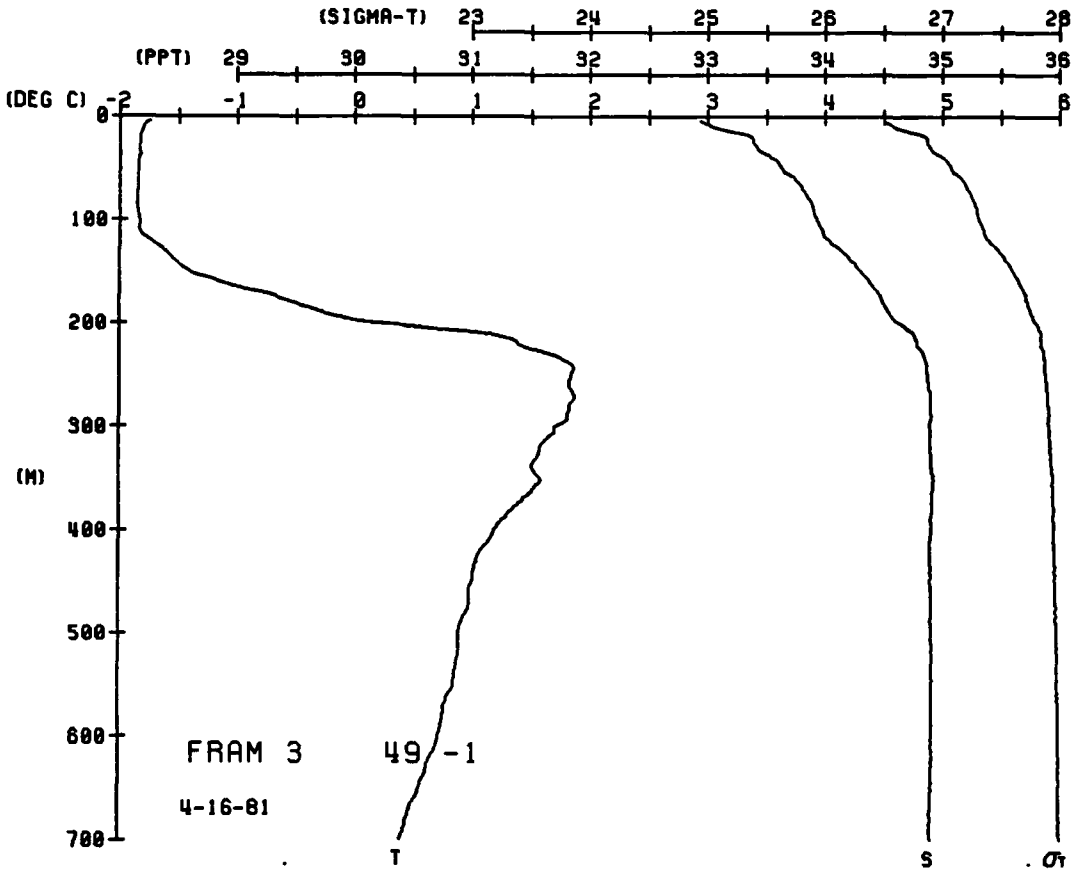


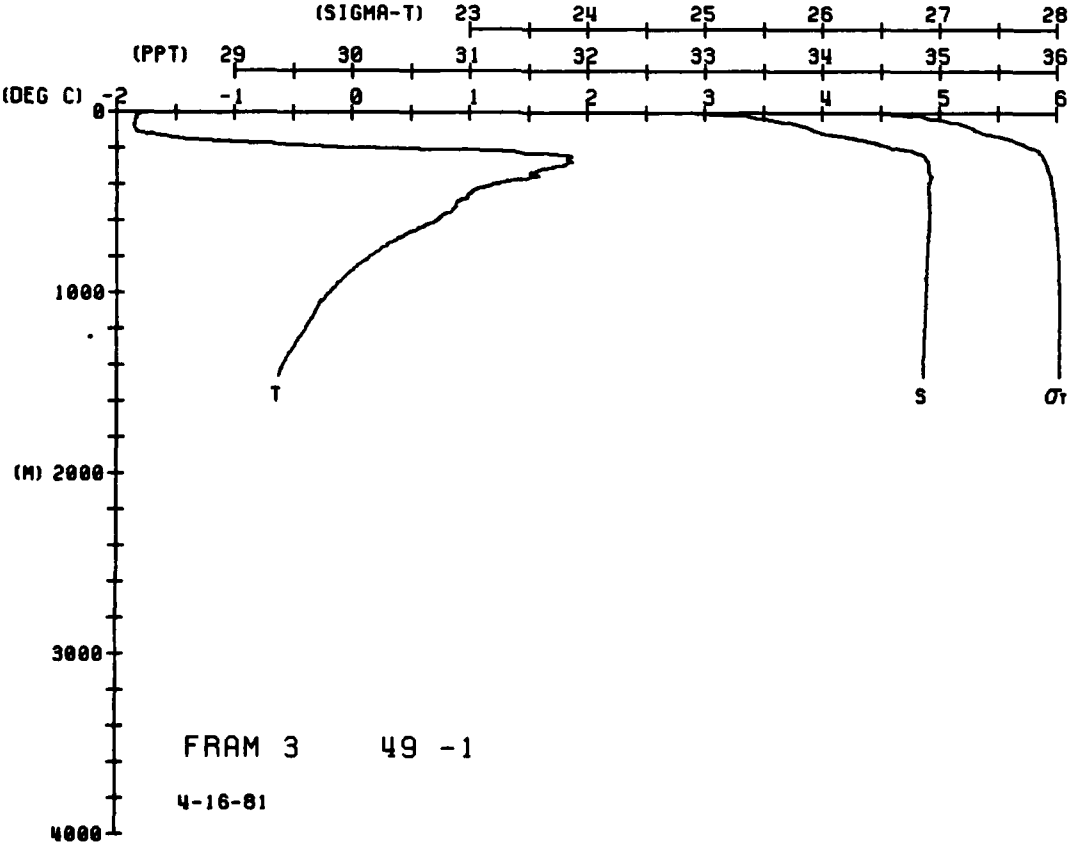
FRAM 3 48 -1

4-15-81

FRAM 3 STATION 49(1) CTD 16/APR/1981 821 GMT CODE = 5
LAT = 82.9608N LNG = 6.9510E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.92	26.49	153.5	0.000	1438.3
4.0	-1.74	-1.74	32.92	26.49	153.4	0.006	1438.4
5.0	-1.75	-1.75	32.94	26.50	151.8	0.008	1438.3
10.0	-1.80	-1.81	33.04	26.59	144.0	0.015	1438.3
15.0	-1.82	-1.82	33.22	26.73	130.2	0.022	1438.6
20.0	-1.84	-1.84	33.37	26.86	118.3	0.028	1438.8
25.0	-1.84	-1.84	33.38	26.87	117.1	0.034	1438.9
30.0	-1.84	-1.84	33.42	26.90	114.5	0.040	1439.0
35.0	-1.84	-1.84	33.46	26.93	111.5	0.046	1439.2
40.0	-1.84	-1.84	33.55	27.00	104.2	0.051	1439.4
45.0	-1.85	-1.85	33.60	27.05	100.1	0.057	1439.5
50.0	-1.85	-1.85	33.63	27.07	98.0	0.062	1439.6
55.0	-1.85	-1.85	33.68	27.11	94.4	0.066	1439.8
60.0	-1.85	-1.85	33.75	27.16	88.9	0.071	1439.9
65.0	-1.85	-1.85	33.78	27.19	86.0	0.075	1440.1
70.0	-1.85	-1.85	33.81	27.22	83.8	0.080	1440.2
75.0	-1.86	-1.86	33.84	27.24	81.5	0.084	1440.3
80.0	-1.86	-1.86	33.87	27.26	79.4	0.088	1440.4
85.0	-1.86	-1.86	33.89	27.28	77.7	0.092	1440.5
90.0	-1.85	-1.85	33.90	27.29	76.8	0.096	1440.6
95.0	-1.84	-1.85	33.92	27.30	75.4	0.100	1440.8
100.0	-1.84	-1.84	33.93	27.31	74.4	0.104	1440.9
110.0	-1.83	-1.84	33.98	27.35	70.6	0.111	1441.1
120.0	-1.74	-1.74	34.04	27.40	66.5	0.118	1441.8
130.0	-1.61	-1.61	34.15	27.48	58.3	0.124	1442.8
140.0	-1.52	-1.52	34.24	27.55	51.8	0.130	1443.5
150.0	-1.40	-1.41	34.31	27.61	46.4	0.135	1444.3
160.0	-1.14	-1.14	34.39	27.66	41.4	0.139	1445.8
170.0	-0.80	-0.80	34.46	27.71	37.4	0.143	1447.7
180.0	-0.52	-0.53	34.51	27.73	34.8	0.147	1449.2
190.0	-0.26	-0.26	34.56	27.76	32.4	0.150	1450.7
200.0	0.22	0.21	34.65	27.81	27.7	0.153	1453.1
210.0	1.12	1.11	34.76	27.84	25.4	0.156	1457.5
220.0	1.39	1.38	34.79	27.85	25.4	0.158	1458.9
230.0	1.69	1.68	34.85	27.87	23.1	0.161	1460.5
240.0	1.85	1.84	34.87	27.88	22.3	0.163	1461.4
250.0	1.85	1.83	34.88	27.89	21.7	0.165	1461.6
260.0	1.83	1.81	34.89	27.90	21.0	0.168	1461.6
270.0	1.87	1.86	34.90	27.91	20.3	0.170	1462.0
280.0	1.83	1.81	34.90	27.91	20.1	0.172	1462.0
290.0	1.81	1.79	34.91	27.92	19.4	0.174	1462.1
300.0	1.71	1.69	34.90	27.92	19.3	0.176	1461.8
310.0	1.65	1.63	34.90	27.92	18.8	0.178	1461.7
320.0	1.58	1.56	34.91	27.93	17.9	0.179	1461.6
330.0	1.55	1.53	34.91	27.93	17.5	0.181	1461.6
340.0	1.51	1.50	34.92	27.94	16.8	0.183	1461.6
350.0	1.59	1.57	34.93	27.95	16.4	0.185	1462.1
360.0	1.51	1.50	34.93	27.95	16.2	0.186	1462.0
370.0	1.43	1.41	34.92	27.95	16.0	0.188	1461.8
380.0	1.34	1.32	34.92	27.95	15.6	0.190	1461.5
390.0	1.26	1.24	34.91	27.95	15.6	0.191	1461.3
400.0	1.19	1.17	34.91	27.96	15.0	0.193	1461.2
410.0	1.15	1.13	34.91	27.96	15.0	0.194	1461.2
420.0	1.08	1.05	34.91	27.97	14.4	0.196	1461.0
430.0	1.04	1.02	34.91	27.97	14.2	0.197	1461.0
440.0	1.02	1.00	34.91	27.97	14.1	0.199	1461.1
450.0	1.00	0.98	34.91	27.97	14.0	0.200	1461.2
460.0	0.98	0.96	34.91	27.97	13.6	0.201	1461.2
470.0	0.98	0.96	34.91	27.98	13.5	0.203	1461.4
480.0	0.95	0.92	34.91	27.98	13.2	0.204	1461.4
490.0	0.91	0.88	34.91	27.98	13.2	0.205	1461.4
500.0	0.89	0.87	34.91	27.98	12.9	0.207	1461.5
530.0	0.87	0.84	34.92	27.99	12.2	0.211	1461.9
560.0	0.80	0.77	34.92	27.99	11.9	0.214	1462.1
590.0	0.74	0.71	34.92	27.99	11.6	0.218	1462.3
620.0	0.64	0.61	34.92	28.00	10.9	0.221	1462.4
650.0	0.55	0.52	34.91	28.00	10.6	0.225	1462.5
680.0	0.44	0.41	34.91	28.01	10.0	0.228	1462.5
710.0	0.37	0.33	34.90	28.01	10.0	0.231	1462.6
740.0	0.29	0.26	34.90	28.01	9.6	0.234	1462.8
790.0	0.17	0.13	34.90	28.02	8.7	0.238	1463.1
840.0	0.06	0.02	34.90	28.02	8.2	0.243	1463.4
890.0	-0.03	-0.07	34.89	28.02	7.9	0.247	1463.6
940.0	-0.11	-0.15	34.89	28.02	7.4	0.251	1464.3
990.0	-0.18	-0.22	34.89	28.02	7.1	0.254	1464.8
1040.0	-0.25	-0.30	34.88	28.03	6.7	0.258	1465.3
1090.0	-0.31	-0.35	34.88	28.03	6.5	0.261	1465.9
1140.0	-0.35	-0.40	34.88	28.03	6.0	0.264	1466.6
1190.0	-0.39	-0.44	34.88	28.03	6.2	0.267	1467.2
1240.0	-0.44	-0.49	34.88	28.03	5.7	0.270	1467.9
1290.0	-0.49	-0.54	34.87	28.02	5.8	0.273	1468.5
1340.0	-0.54	-0.60	34.87	28.03	5.4	0.276	1469.1
1390.0	-0.58	-0.65	34.87	28.03	5.0	0.279	1469.7
1440.0	-0.62	-0.68	34.86	28.03	4.9	0.281	1470.4
1459.0	-0.63	-0.70	34.86	28.03	4.7	0.282	1470.7


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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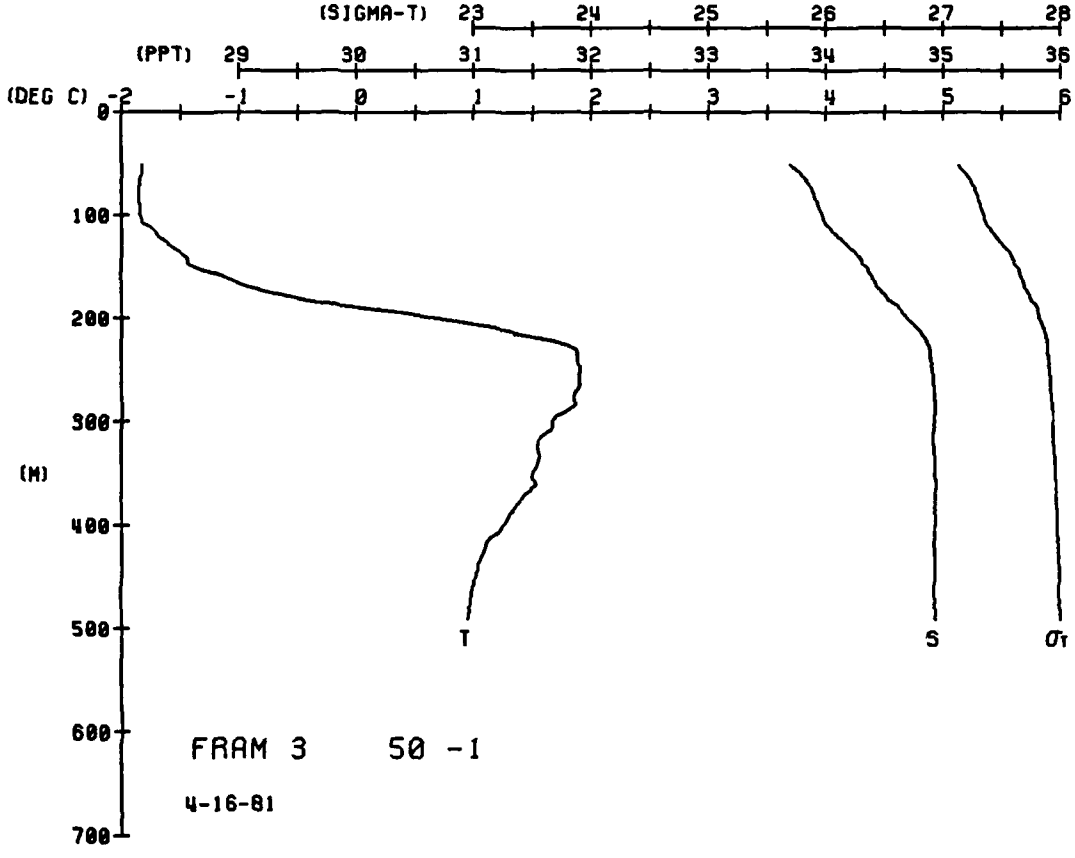

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 49 -1
4-16-81

FRAM 3 STATION 50(1) CTD 16/APR/1981 1323 GMT CODE = 5
LAT = 82.9583N LNG = 6.9252E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0							
5.0							
10.0							
15.0							
20.0							
25.0							
30.0							
35.0							
40.0							
45.0							
50.0							
51.4	-1.84	-1.84	33.69	27.12	93.3	0.000	1439.8
55.0	-1.83	-1.83	33.73	27.15	90.4	0.003	1439.9
60.0	-1.84	-1.84	33.78	27.19	86.5	0.008	1440.0
65.0	-1.85	-1.85	33.81	27.22	83.6	0.012	1440.1
70.0	-1.85	-1.85	33.85	27.25	80.8	0.016	1440.2
75.0	-1.86	-1.86	33.88	27.27	78.7	0.020	1440.3
80.0	-1.86	-1.86	33.90	27.29	77.2	0.024	1440.4
85.0	-1.86	-1.86	33.91	27.30	75.8	0.028	1440.5
90.0	-1.85	-1.85	33.93	27.31	74.3	0.032	1440.7
95.0	-1.85	-1.85	33.95	27.33	72.8	0.036	1440.8
100.0	-1.84	-1.84	33.97	27.34	71.7	0.039	1440.9
110.0	-1.79	-1.79	34.01	27.38	68.3	0.046	1441.4
120.0	-1.70	-1.70	34.10	27.44	61.9	0.053	1442.1
130.0	-1.59	-1.59	34.19	27.52	54.8	0.059	1443.0
140.0	-1.45	-1.45	34.28	27.59	48.6	0.064	1443.9
150.0	-1.37	-1.38	34.34	27.63	44.2	0.069	1444.5
160.0	-1.11	-1.11	34.40	27.67	40.7	0.073	1446.0
170.0	-0.89	-0.90	34.44	27.70	38.3	0.077	1447.2
180.0	-0.50	-0.51	34.52	27.74	34.0	0.081	1449.3
190.0	0.12	0.11	34.63	27.80	29.1	0.084	1452.5
200.0	0.71	0.70	34.69	27.82	27.5	0.087	1455.4
210.0	1.22	1.21	34.78	27.86	24.4	0.089	1458.0
220.0	1.62	1.61	34.85	27.88	22.3	0.092	1460.0
230.0	1.87	1.86	34.89	27.89	21.5	0.094	1461.4
240.0	1.88	1.87	34.89	27.89	21.2	0.096	1461.6
250.0	1.90	1.89	34.90	27.90	20.7	0.098	1461.8
260.0	1.89	1.88	34.91	27.91	20.0	0.100	1462.0
270.0	1.87	1.85	34.92	27.91	19.5	0.102	1462.0
280.0	1.86	1.84	34.92	27.92	19.0	0.104	1462.1
290.0	1.77	1.76	34.92	27.92	18.7	0.106	1462.0
300.0	1.66	1.64	34.91	27.93	18.0	0.108	1461.6
310.0	1.61	1.61	34.91	27.93	17.9	0.110	1461.7
320.0	1.54	1.53	34.91	27.94	17.3	0.112	1461.4
330.0	1.55	1.54	34.92	27.94	16.8	0.113	1461.7
340.0	1.54	1.52	34.93	27.95	16.3	0.115	1461.8
350.0	1.49	1.48	34.92	27.95	16.3	0.117	1461.7
360.0	1.52	1.50	34.93	27.95	15.8	0.118	1462.0
370.0	1.43	1.41	34.93	27.96	15.3	0.120	1461.8
380.0	1.36	1.34	34.92	27.96	15.1	0.121	1461.6
390.0	1.30	1.28	34.92	27.96	14.7	0.123	1461.5
400.0	1.24	1.22	34.92	27.97	14.5	0.124	1461.4
410.0	1.17	1.15	34.92	27.97	14.4	0.126	1461.3
420.0	1.10	1.07	34.92	27.97	13.7	0.127	1461.1
430.0	1.06	1.04	34.92	27.98	13.3	0.129	1461.1
440.0	1.02	1.00	34.92	27.98	13.1	0.130	1461.1
450.0	1.00	0.98	34.92	27.98	13.1	0.131	1461.2
460.0	0.99	0.96	34.92	27.98	12.9	0.133	1461.3
470.0	0.98	0.95	34.92	27.98	12.8	0.134	1461.4
480.0	0.96	0.94	34.92	27.99	12.5	0.135	1461.5
490.0	0.94	0.92	34.92	27.99	12.3	0.136	1461.6
491.1	0.94	0.92	34.92	27.99	12.5	0.137	1461.6

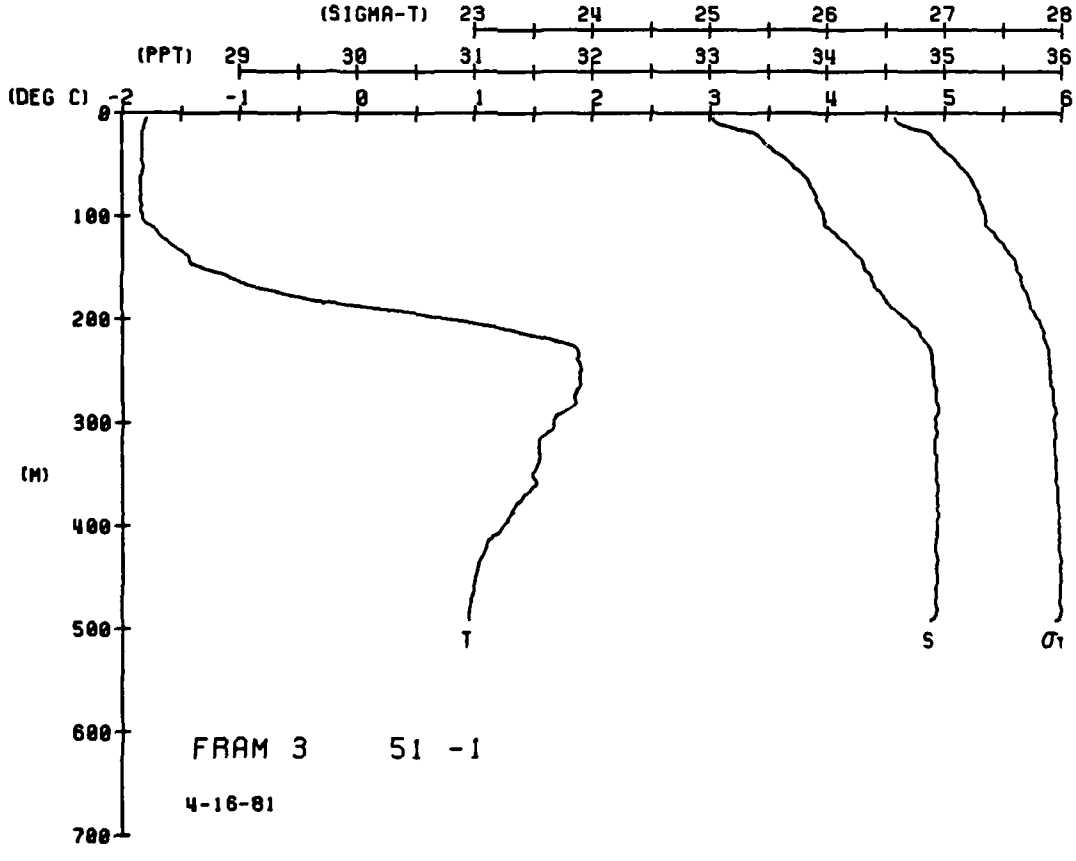
FRAM 3 STATION 51(1) CTD 16/APR/1981 1324 GMT CODE = 5
LAT = 82.9583N LNG = 6.9252E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.03	26.58	145.0	0.000	1438.2
4.0	-1.79	-1.79	33.03	26.58	145.0	0.006	1438.3
5.0	-1.80	-1.80	33.03	26.58	144.6	0.007	1438.3
10.0	-1.81	-1.81	33.07	26.61	141.5	0.015	1438.5
15.0	-1.82	-1.82	33.22	26.73	129.9	0.021	1438.6
20.0	-1.83	-1.83	33.39	26.87	116.7	0.028	1438.8
25.0	-1.83	-1.83	33.44	26.91	112.9	0.033	1439.0
30.0	-1.83	-1.83	33.48	26.94	109.9	0.039	1439.1
35.0	-1.83	-1.83	33.53	26.99	105.5	0.045	1439.3
40.0	-1.83	-1.83	33.59	27.04	101.0	0.050	1439.4
45.0	-1.84	-1.84	33.66	27.09	95.8	0.055	1439.6
50.0	-1.83	-1.83	33.70	27.12	92.9	0.059	1439.8
55.0	-1.83	-1.83	33.74	27.16	89.2	0.064	1439.9
60.0	-1.84	-1.84	33.80	27.20	85.0	0.069	1440.0
65.0	-1.85	-1.85	33.83	27.23	82.1	0.073	1440.1
70.0	-1.85	-1.85	33.85	27.25	80.6	0.077	1440.3
75.0	-1.85	-1.85	33.89	27.28	78.0	0.081	1440.4
80.0	-1.85	-1.85	33.90	27.29	76.9	0.085	1440.5
85.0	-1.85	-1.85	33.92	27.30	75.5	0.089	1440.6
90.0	-1.84	-1.84	33.94	27.32	74.0	0.092	1440.7
95.0	-1.84	-1.84	33.96	27.34	72.3	0.096	1440.8
100.0	-1.83	-1.83	33.97	27.34	71.5	0.100	1441.0
110.0	-1.75	-1.75	33.99	27.36	70.0	0.107	1441.6
120.0	-1.67	-1.68	34.09	27.44	62.3	0.114	1442.2
130.0	-1.56	-1.56	34.19	27.52	55.0	0.119	1443.1
140.0	-1.43	-1.44	34.28	27.59	48.5	0.125	1444.0
150.0	-1.32	-1.32	34.32	27.61	46.2	0.130	1444.7
160.0	-1.07	-1.07	34.38	27.66	42.0	0.134	1446.1
170.0	-0.81	-0.82	34.42	27.68	39.9	0.138	1447.6
180.0	-0.42	-0.43	34.49	27.72	36.3	0.142	1449.6
190.0	0.24	0.23	34.57	27.75	34.0	0.146	1452.9
200.0	0.80	0.79	34.68	27.80	29.1	0.149	1455.8
210.0	1.30	1.29	34.77	27.84	25.8	0.151	1458.3
220.0	1.67	1.66	34.83	27.86	24.3	0.154	1460.2
230.0	1.88	1.87	34.88	27.89	21.7	0.156	1461.4
240.0	1.88	1.87	34.89	27.89	21.2	0.159	1461.6
250.0	1.89	1.88	34.91	27.90	20.3	0.161	1461.8
260.0	1.89	1.88	34.91	27.91	19.9	0.163	1462.0
270.0	1.86	1.85	34.93	27.93	18.4	0.165	1462.0
280.0	1.86	1.84	34.93	27.93	18.4	0.166	1462.2
290.0	1.74	1.72	34.94	27.95	16.5	0.168	1461.8
300.0	1.66	1.64	34.92	27.93	17.7	0.170	1461.6
310.0	1.61	1.59	34.93	27.95	16.1	0.172	1461.6
320.0	1.54	1.53	34.92	27.94	16.8	0.173	1461.4
330.0	1.55	1.54	34.93	27.95	16.4	0.175	1461.7
340.0	1.54	1.52	34.93	27.95	16.3	0.177	1461.8
350.0	1.49	1.47	34.94	27.96	15.3	0.178	1461.7
360.0	1.51	1.49	34.95	27.97	14.7	0.180	1462.0
370.0	1.42	1.40	34.94	27.96	14.8	0.181	1461.7
380.0	1.35	1.33	34.94	27.97	13.9	0.183	1461.6
390.0	1.29	1.27	34.94	27.98	13.5	0.184	1461.5
400.0	1.24	1.22	34.94	27.98	13.4	0.185	1461.4
410.0	1.16	1.14	34.93	27.98	13.2	0.187	1461.2
420.0	1.10	1.07	34.92	27.97	13.7	0.188	1461.1
430.0	1.05	1.03	34.94	27.99	12.1	0.190	1461.1
440.0	1.02	1.00	34.93	27.98	12.7	0.191	1461.1
450.0	1.00	0.98	34.93	27.99	12.0	0.192	1461.2
460.0	0.99	0.96	34.93	27.99	12.2	0.193	1461.3
470.0	0.98	0.95	34.93	27.99	12.1	0.194	1461.4
480.0	0.96	0.94	34.94	28.00	11.1	0.196	1461.5
490.0	0.95	0.93	34.90	27.97	14.3	0.197	1461.6
491.1	0.95	0.93	34.88	27.95	15.8	0.197	1461.6



FRAM 3 50 -1

4-16-81

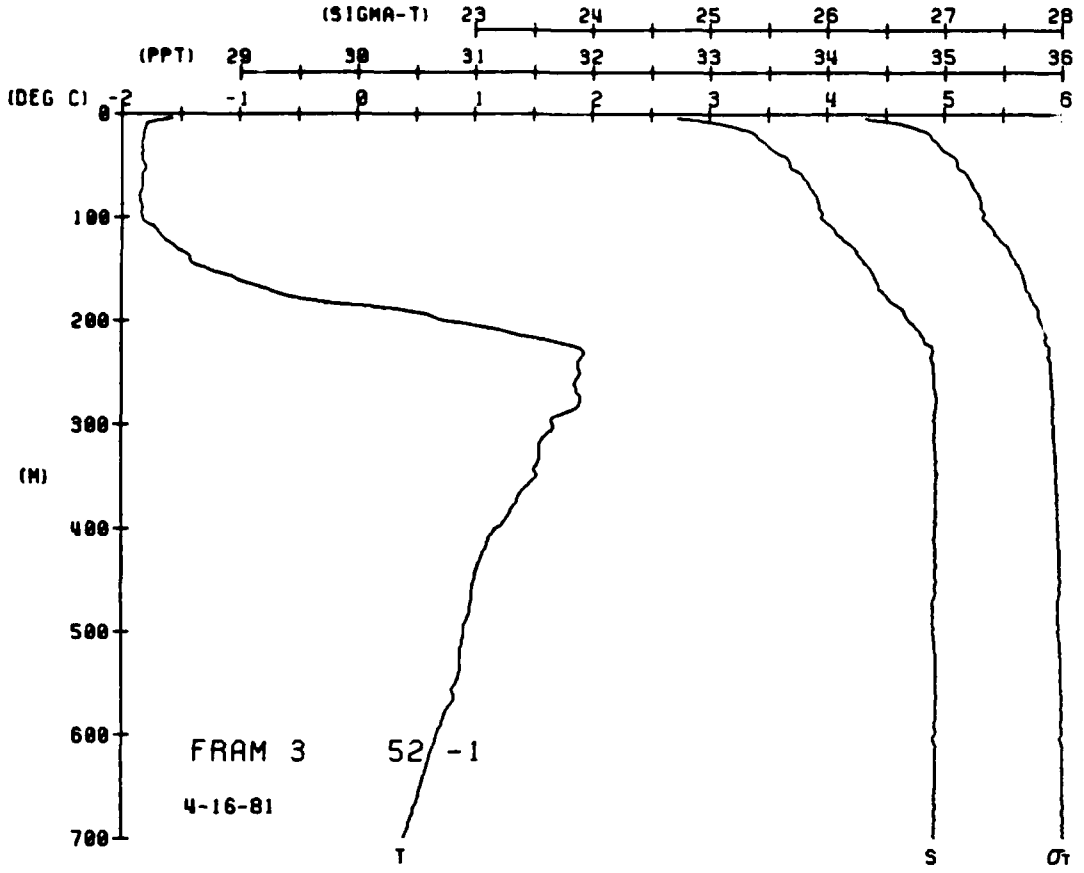


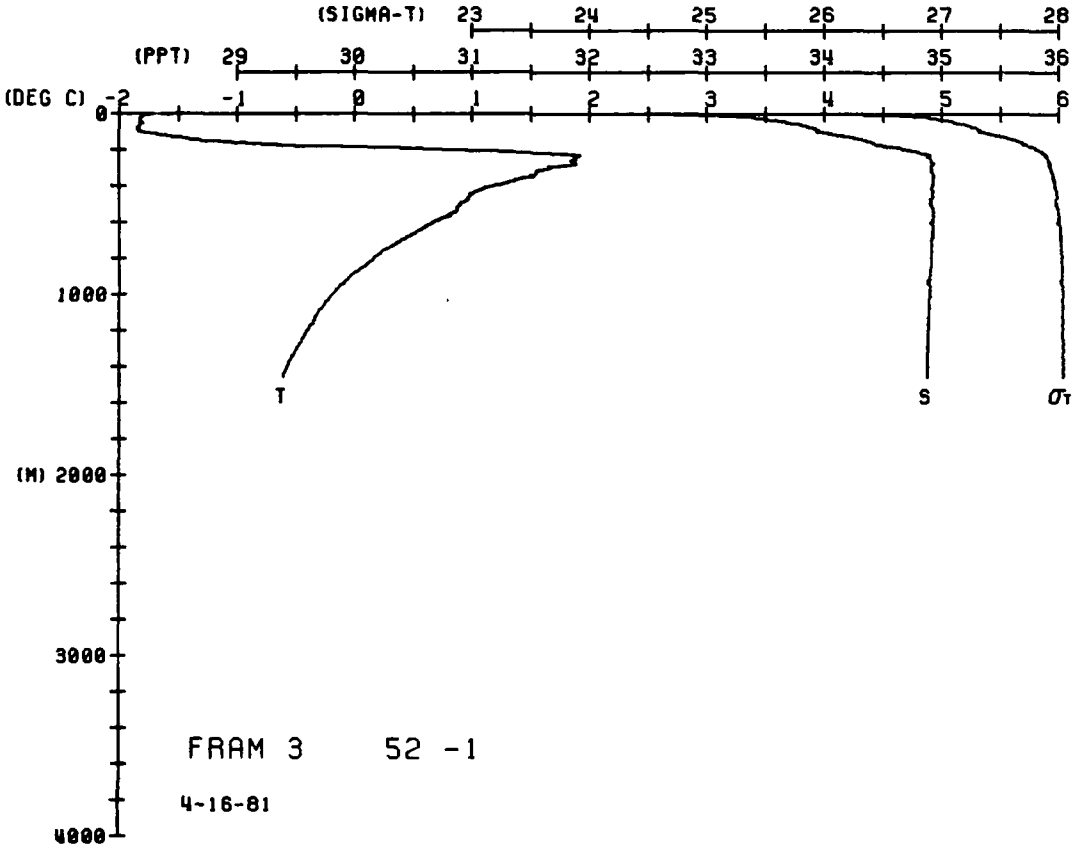
FRAM 3 51 -1

4-16-81

FRAM 3 STATION 52(1) CTD 16/APR/1981 1348 GMT CODE = 5
LAT = 82.9577N LNG = 6.9225E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

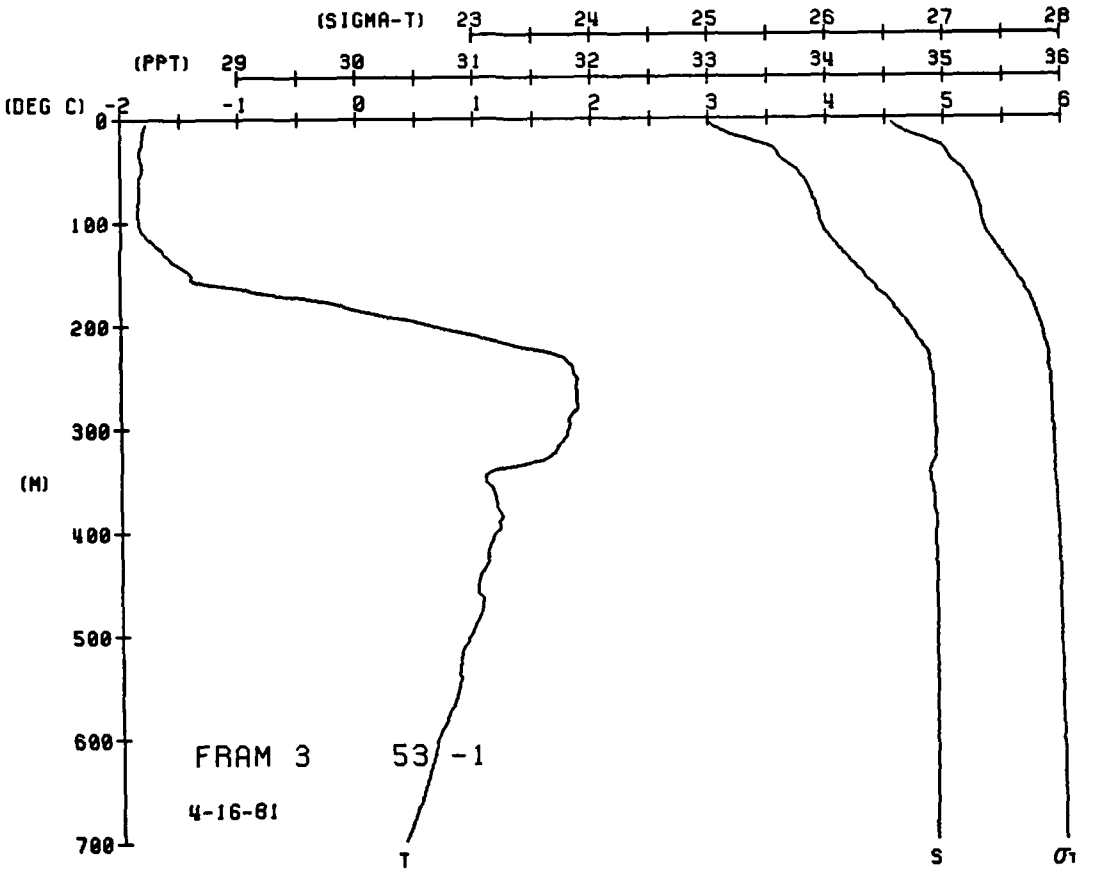
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.49	-1.49	32.60	26.22	178.5	0.000	1439.0
4.0	-1.49	-1.49	32.60	26.22	178.5	0.007	1439.1
5.0	-1.58	-1.58	32.73	26.33	168.2	0.009	1438.9
10.0	-1.79	-1.80	33.11	26.64	138.8	0.017	1438.4
15.0	-1.81	-1.81	33.29	26.79	124.5	0.023	1438.7
20.0	-1.82	-1.82	33.39	26.87	116.5	0.030	1438.9
25.0	-1.83	-1.83	33.43	26.91	113.3	0.035	1439.0
30.0	-1.83	-1.83	33.49	26.95	108.9	0.041	1439.2
35.0	-1.83	-1.83	33.53	26.99	105.7	0.046	1439.3
40.0	-1.84	-1.84	33.64	27.06	99.2	0.052	1439.5
45.0	-1.83	-1.83	33.67	27.10	94.7	0.056	1439.7
50.0	-1.80	-1.80	33.68	27.11	94.4	0.061	1439.9
55.0	-1.81	-1.81	33.74	27.15	89.8	0.066	1440.0
60.0	-1.84	-1.84	33.79	27.20	85.5	0.070	1440.0
65.0	-1.83	-1.83	33.83	27.23	82.7	0.075	1440.2
70.0	-1.84	-1.84	33.85	27.24	81.2	0.079	1440.3
75.0	-1.84	-1.85	33.88	27.27	78.6	0.083	1440.4
80.0	-1.86	-1.86	33.91	27.29	76.3	0.087	1440.5
85.0	-1.84	-1.84	33.92	27.30	75.5	0.090	1440.6
90.0	-1.84	-1.84	33.93	27.31	74.8	0.094	1440.7
95.0	-1.84	-1.84	33.96	27.33	72.6	0.098	1440.8
100.0	-1.83	-1.83	33.94	27.32	73.5	0.102	1441.0
110.0	-1.72	-1.73	34.04	27.40	66.1	0.109	1441.8
120.0	-1.65	-1.65	34.13	27.47	59.9	0.115	1442.4
130.0	-1.54	-1.54	34.23	27.55	51.9	0.121	1443.3
140.0	-1.42	-1.42	34.30	27.60	47.4	0.126	1444.0
150.0	-1.26	-1.27	34.37	27.65	42.2	0.130	1445.1
160.0	-1.01	-1.02	34.42	27.68	39.6	0.134	1446.5
170.0	-0.75	-0.75	34.45	27.70	37.9	0.138	1447.9
180.0	-0.42	-0.42	34.54	27.75	33.2	0.142	1449.7
190.0	0.40	0.40	34.65	27.80	28.7	0.145	1453.8
200.0	0.76	0.75	34.70	27.82	27.1	0.148	1455.6
210.0	1.25	1.24	34.79	27.86	24.0	0.151	1458.1
220.0	1.70	1.69	34.83	27.86	24.5	0.153	1460.4
230.0	1.92	1.91	34.90	27.90	21.0	0.155	1461.6
240.0	1.88	1.86	34.90	27.90	20.5	0.157	1461.5
250.0	1.88	1.87	34.91	27.91	19.9	0.159	1461.8
260.0	1.85	1.83	34.91	27.91	19.7	0.161	1461.8
270.0	1.87	1.86	34.92	27.92	18.8	0.163	1462.1
280.0	1.88	1.86	34.93	27.92	18.6	0.165	1462.3
290.0	1.72	1.71	34.91	27.92	18.6	0.167	1461.7
300.0	1.67	1.65	34.92	27.93	17.7	0.169	1461.7
310.0	1.59	1.58	34.91	27.93	17.6	0.171	1461.5
320.0	1.54	1.53	34.92	27.94	16.8	0.173	1461.4
330.0	1.54	1.53	34.93	27.95	16.2	0.174	1461.6
340.0	1.51	1.49	34.93	27.95	15.8	0.176	1461.6
350.0	1.52	1.50	34.93	27.96	15.6	0.177	1461.8
360.0	1.43	1.41	34.93	27.96	15.3	0.179	1461.6
370.0	1.36	1.34	34.93	27.96	14.9	0.180	1461.5
380.0	1.31	1.29	34.93	27.97	14.4	0.182	1461.4
390.0	1.26	1.24	34.92	27.97	14.5	0.183	1461.4
400.0	1.19	1.17	34.92	27.97	14.3	0.185	1461.2
410.0	1.11	1.09	34.91	27.97	14.3	0.186	1461.0
420.0	1.08	1.06	34.92	27.98	13.2	0.188	1461.0
430.0	1.04	1.02	34.92	27.98	13.1	0.189	1461.0
440.0	1.01	0.99	34.92	27.98	12.8	0.190	1461.1
450.0	0.99	0.97	34.93	27.99	12.4	0.192	1461.1
460.0	0.98	0.95	34.93	27.99	12.4	0.193	1461.2
470.0	0.97	0.94	34.91	27.97	13.8	0.194	1461.3
480.0	0.95	0.93	34.91	27.97	13.6	0.196	1461.5
490.0	0.92	0.90	34.91	27.98	13.5	0.197	1461.5
500.0	0.90	0.88	34.91	27.98	13.4	0.198	1461.6
530.0	0.87	0.85	34.93	28.00	11.6	0.202	1461.9
560.0	0.81	0.79	34.93	28.00	10.9	0.206	1462.2
590.0	0.71	0.69	34.92	28.00	11.1	0.209	1462.2
620.0	0.62	0.59	34.92	28.01	10.1	0.212	1462.3
650.0	0.54	0.51	34.92	28.01	9.7	0.215	1462.4
680.0	0.45	0.42	34.92	28.02	9.1	0.218	1462.6
710.0	0.38	0.34	34.91	28.01	9.3	0.221	1462.7
740.0	0.29	0.26	34.91	28.02	8.7	0.224	1462.8
790.0	0.17	0.14	34.91	28.03	7.9	0.228	1463.1
840.0	0.09	0.05	34.91	28.03	7.5	0.232	1463.6
890.0	-0.02	-0.06	34.90	28.03	7.3	0.235	1463.9
940.0	-0.10	-0.14	34.90	28.03	7.0	0.239	1464.4
990.0	-0.17	-0.22	34.90	28.03	6.3	0.242	1464.9
1040.0	-0.24	-0.29	34.90	28.04	5.7	0.245	1465.4
1090.0	-0.30	-0.35	34.90	28.04	5.3	0.248	1466.0
1140.0	-0.34	-0.39	34.89	28.04	5.3	0.251	1466.6
1190.0	-0.40	-0.45	34.89	28.04	4.8	0.254	1467.2
1240.0	-0.44	-0.50	34.89	28.04	4.6	0.256	1467.9
1290.0	-0.49	-0.55	34.89	28.04	4.4	0.258	1468.5
1340.0	-0.53	-0.59	34.88	28.04	4.4	0.260	1469.1
1390.0	-0.57	-0.63	34.88	28.04	3.8	0.263	1469.8
1440.0	-0.61	-0.67	34.88	28.04	3.8	0.265	1470.5
1456.0	-0.61	-0.68	34.88	28.04	4.0	0.265	1470.7

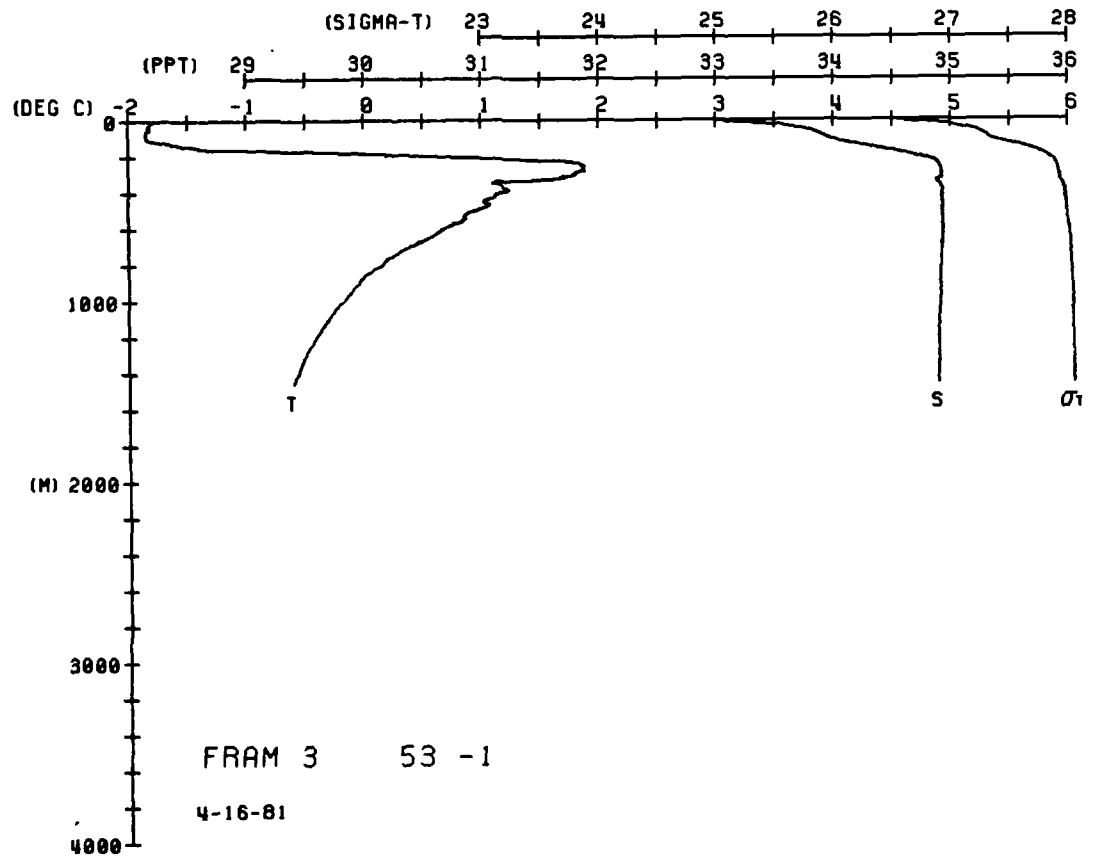

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 52 -1
4-16-81
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 52 -1
4-16-81
T
S
σT

FRAM 3 STATION 53(1) CTD 16/APR/1981 2010 GMT CODE = 5
LAT = 82.9460N LNG = 6.8878E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

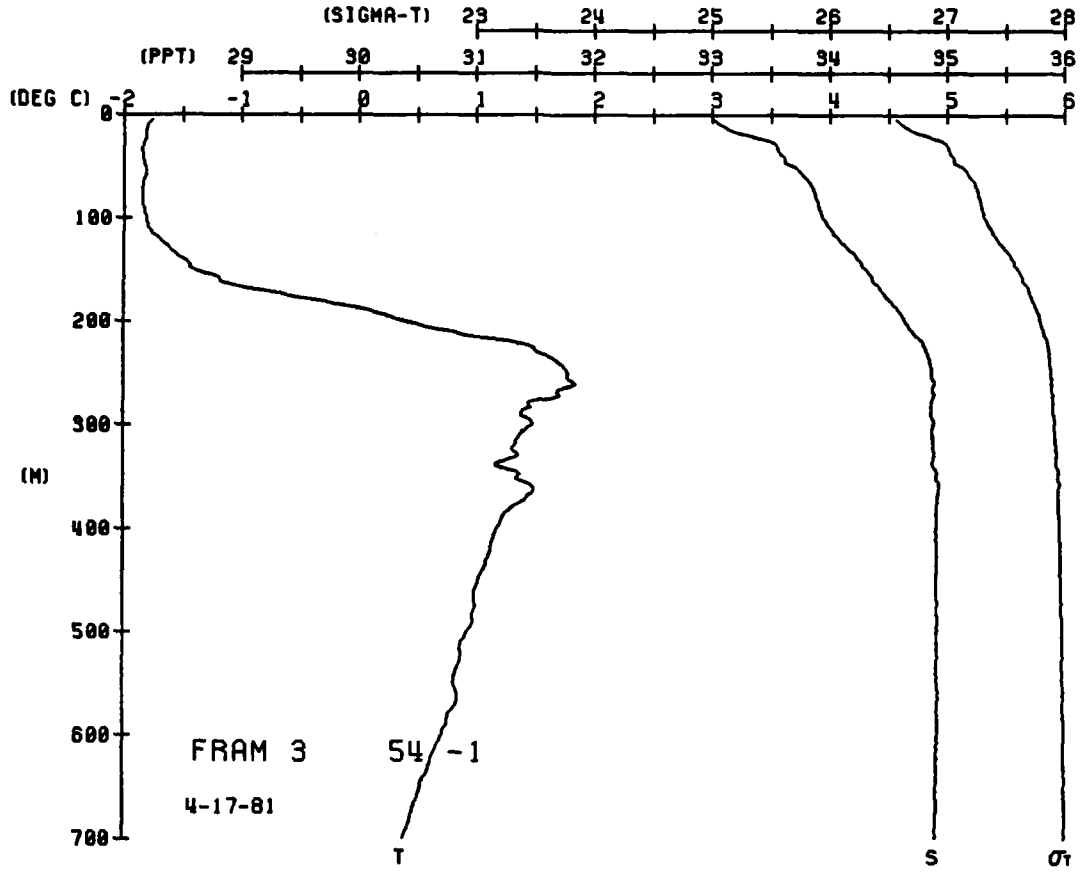
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.98	26.54	148.5	0.000	1438.2
4.0	-1.77	-1.78	32.98	26.54	148.5	0.006	1438.3
5.0	-1.79	-1.79	33.00	26.56	146.8	0.008	1438.3
10.0	-1.80	-1.81	33.08	26.62	140.9	0.015	1438.4
15.0	-1.82	-1.82	33.17	26.70	133.4	0.022	1438.5
20.0	-1.82	-1.82	33.32	26.81	122.4	0.028	1438.8
25.0	-1.82	-1.82	33.47	26.94	110.7	0.034	1439.1
30.0	-1.84	-1.84	33.56	27.01	103.7	0.040	1439.2
35.0	-1.84	-1.84	33.59	27.04	100.9	0.045	1439.3
40.0	-1.83	-1.83	33.62	27.06	98.5	0.050	1439.5
45.0	-1.81	-1.81	33.69	27.12	93.5	0.055	1439.8
50.0	-1.82	-1.82	33.75	27.17	88.7	0.059	1439.9
55.0	-1.84	-1.84	33.79	27.20	85.8	0.064	1439.9
60.0	-1.85	-1.85	33.82	27.22	83.0	0.068	1440.0
65.0	-1.85	-1.85	33.85	27.25	81.1	0.072	1440.1
70.0	-1.85	-1.85	33.87	27.26	79.7	0.076	1440.2
75.0	-1.85	-1.85	33.88	27.27	78.4	0.080	1440.4
80.0	-1.85	-1.85	33.90	27.29	76.9	0.084	1440.5
85.0	-1.86	-1.86	33.92	27.30	75.5	0.088	1440.5
90.0	-1.86	-1.86	33.93	27.32	74.2	0.092	1440.6
95.0	-1.85	-1.86	33.94	27.32	73.7	0.095	1440.7
100.0	-1.85	-1.85	33.95	27.33	72.7	0.099	1440.9
110.0	-1.81	-1.82	33.99	27.36	70.0	0.106	1441.3
120.0	-1.73	-1.73	34.06	27.42	64.4	0.113	1441.9
130.0	-1.63	-1.63	34.15	27.49	58.9	0.119	1442.7
140.0	-1.53	-1.53	34.24	27.55	51.7	0.125	1443.5
150.0	-1.40	-1.41	34.32	27.61	45.8	0.130	1444.3
160.0	-1.22	-1.23	34.39	27.67	40.8	0.134	1445.4
170.0	-0.74	-0.75	34.47	27.72	36.3	0.138	1448.0
180.0	-0.15	-0.16	34.56	27.76	32.5	0.141	1451.0
190.0	0.19	0.18	34.63	27.79	29.6	0.145	1452.8
200.0	0.63	0.62	34.69	27.82	27.3	0.148	1455.0
210.0	1.01	1.00	34.75	27.85	25.2	0.150	1457.0
220.0	1.36	1.35	34.81	27.87	23.1	0.153	1458.8
230.0	1.73	1.72	34.87	27.89	21.6	0.155	1460.7
240.0	1.84	1.83	34.88	27.89	21.4	0.157	1461.4
250.0	1.87	1.86	34.90	27.90	20.5	0.159	1461.7
260.0	1.87	1.85	34.91	27.91	20.0	0.161	1461.8
270.0	1.87	1.86	34.91	27.91	19.7	0.163	1462.0
280.0	1.88	1.86	34.92	27.92	19.4	0.165	1462.3
290.0	1.81	1.79	34.92	27.92	18.6	0.167	1462.1
300.0	1.80	1.78	34.92	27.93	18.5	0.169	1462.2
310.0	1.76	1.74	34.92	27.93	18.2	0.171	1462.2
320.0	1.70	1.68	34.92	27.94	17.6	0.173	1462.1
330.0	1.59	1.57	34.92	27.94	17.5	0.174	1461.8
340.0	1.19	1.17	34.88	27.93	17.4	0.176	1460.1
350.0	1.10	1.08	34.88	27.94	16.3	0.178	1459.9
360.0	1.17	1.15	34.90	27.95	15.7	0.180	1460.4
370.0	1.19	1.17	34.91	27.96	15.2	0.181	1460.7
380.0	1.21	1.20	34.92	27.97	14.5	0.183	1461.0
390.0	1.21	1.19	34.92	27.97	14.1	0.184	1461.1
400.0	1.19	1.17	34.92	27.97	14.0	0.185	1461.2
410.0	1.14	1.12	34.92	27.97	14.0	0.187	1461.1
420.0	1.12	1.09	34.92	27.98	13.5	0.188	1461.2
430.0	1.10	1.08	34.92	27.98	13.5	0.190	1461.3
440.0	1.05	1.03	34.92	27.98	13.0	0.191	1461.2
450.0	1.02	1.00	34.93	27.99	12.4	0.192	1461.3
460.0	1.05	1.03	34.93	27.99	12.6	0.194	1461.6
470.0	1.07	1.04	34.94	27.99	12.3	0.195	1461.8
480.0	1.04	1.02	34.94	27.99	12.2	0.196	1461.9
490.0	1.00	0.97	34.93	27.99	12.1	0.197	1461.8
500.0	0.96	0.94	34.93	27.99	12.2	0.199	1461.8
530.0	0.87	0.84	34.93	28.00	11.3	0.202	1461.9
560.0	0.84	0.81	34.93	28.00	10.9	0.205	1462.3
590.0	0.72	0.69	34.93	28.01	10.2	0.209	1462.3
620.0	0.63	0.60	34.93	28.01	9.8	0.212	1462.4
650.0	0.55	0.52	34.93	28.02	9.4	0.215	1462.5
680.0	0.46	0.43	34.93	28.02	8.9	0.217	1462.6
710.0	0.36	0.32	34.92	28.02	8.3	0.220	1462.6
740.0	0.27	0.23	34.92	28.02	8.2	0.223	1462.7
790.0	0.17	0.13	34.92	28.03	7.3	0.227	1463.1
840.0	0.05	0.02	34.91	28.03	7.1	0.230	1463.4
890.0	-0.04	-0.07	34.91	28.03	6.6	0.234	1463.8
940.0	-0.10	-0.15	34.91	28.04	6.3	0.237	1464.4
990.0	-0.17	-0.21	34.91	28.04	5.7	0.240	1464.9
1040.0	-0.24	-0.29	34.90	28.04	5.5	0.243	1465.4
1090.0	-0.29	-0.34	34.90	28.04	5.0	0.245	1466.0
1140.0	-0.35	-0.40	34.90	28.04	4.7	0.248	1466.6
1190.0	-0.40	-0.45	34.90	28.05	4.3	0.250	1467.2
1240.0	-0.44	-0.50	34.90	28.05	4.1	0.252	1467.9
1290.0	-0.49	-0.55	34.90	28.05	3.7	0.254	1468.5
1340.0	-0.53	-0.59	34.89	28.05	3.5	0.256	1469.2
1390.0	-0.56	-0.62	34.89	28.04	3.6	0.258	1469.9
1440.0	-0.60	-0.66	34.89	28.05	3.0	0.260	1470.5
1455.1	-0.61	-0.67	34.89	28.05	3.2	0.260	1470.8

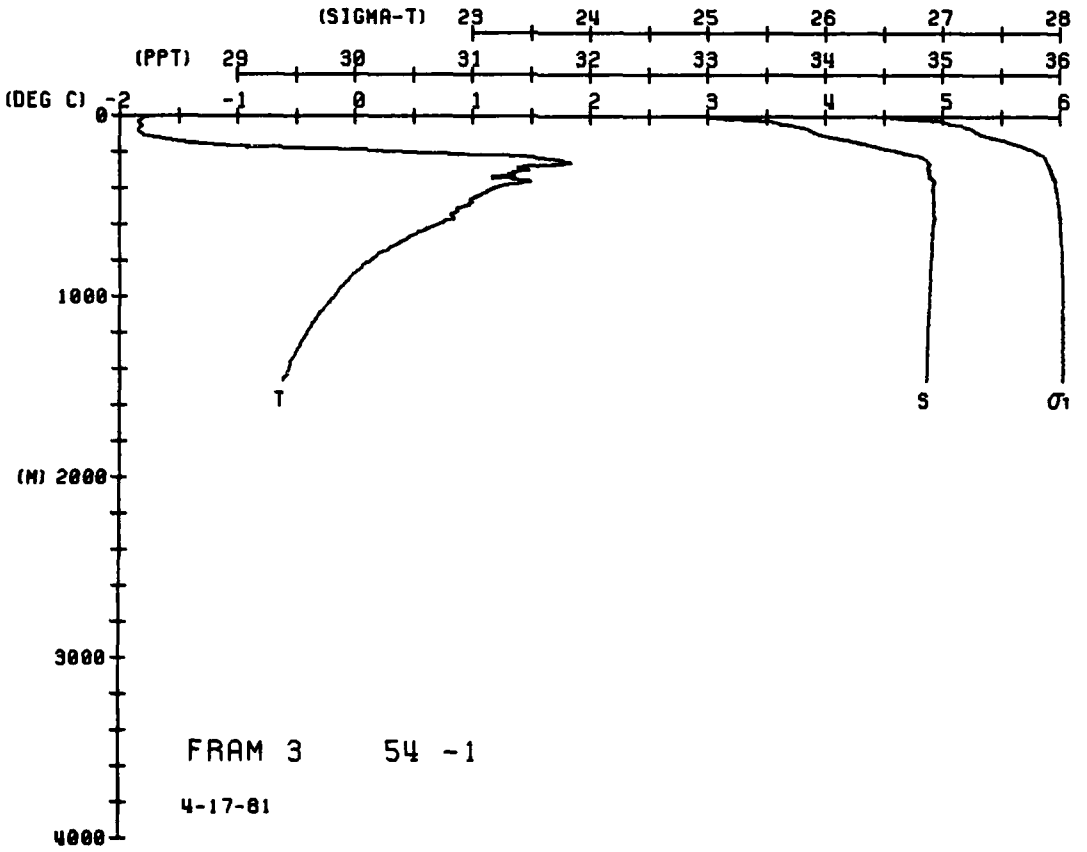

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
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0
100
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(M)
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FRAM 3 53 -1
4-16-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
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FRAM 3 53 -1
4-16-81
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FRAM 3 STATION 54(1) CTD 17/APR/1981 827 GMT CODE = 5
LAT = 82.9277N LNG = 6.8153E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	33.01	26.56	146.1	0.000	1438.3
4.9	-1.76	-1.76	33.01	26.56	146.1	0.007	1438.4
5.0	-1.76	-1.76	33.01	26.57	146.0	0.007	1438.4
10.0	-1.80	-1.81	33.08	26.62	140.4	0.015	1438.4
15.0	-1.82	-1.82	33.17	26.69	134.0	0.022	1438.5
20.0	-1.82	-1.82	33.30	26.80	123.3	0.028	1438.8
25.0	-1.83	-1.83	33.47	26.94	110.4	0.034	1439.0
30.0	-1.84	-1.84	33.54	27.00	104.9	0.039	1439.2
35.0	-1.85	-1.85	33.57	27.02	102.9	0.045	1439.3
40.0	-1.84	-1.84	33.60	27.04	100.2	0.050	1439.4
45.0	-1.84	-1.84	33.62	27.06	98.9	0.055	1439.6
50.0	-1.82	-1.82	33.69	27.12	93.0	0.060	1439.8
55.0	-1.82	-1.82	33.76	27.17	88.4	0.064	1440.0
60.0	-1.83	-1.83	33.79	27.20	85.5	0.069	1440.1
65.0	-1.84	-1.84	33.83	27.23	82.5	0.073	1440.2
70.0	-1.85	-1.85	33.85	27.25	80.6	0.077	1440.3
75.0	-1.85	-1.85	33.87	27.26	79.5	0.081	1440.4
80.0	-1.85	-1.85	33.88	27.27	78.3	0.085	1440.5
85.0	-1.85	-1.85	33.90	27.28	77.2	0.089	1440.6
90.0	-1.84	-1.84	33.90	27.29	76.6	0.093	1440.7
95.0	-1.83	-1.83	33.92	27.30	75.3	0.097	1440.9
100.0	-1.82	-1.82	33.94	27.32	73.7	0.100	1441.0
110.0	-1.79	-1.80	34.01	27.37	68.8	0.108	1441.4
120.0	-1.70	-1.70	34.08	27.43	63.5	0.114	1442.1
130.0	-1.60	-1.61	34.17	27.50	56.8	0.120	1442.8
140.0	-1.49	-1.49	34.25	27.56	51.1	0.126	1443.6
150.0	-1.41	-1.42	34.31	27.61	46.3	0.131	1444.3
160.0	-1.19	-1.19	34.37	27.65	42.9	0.135	1445.6
170.0	-0.83	-0.84	34.45	27.70	38.2	0.139	1447.5
180.0	-0.33	-0.34	34.52	27.73	34.9	0.143	1450.1
190.0	0.11	0.10	34.60	27.78	31.2	0.147	1452.4
200.0	0.41	0.40	34.66	27.81	28.6	0.150	1454.0
210.0	0.80	0.80	34.71	27.83	26.6	0.152	1456.0
220.0	1.34	1.33	34.80	27.86	23.7	0.155	1458.7
230.0	1.54	1.53	34.83	27.87	22.8	0.157	1459.8
240.0	1.71	1.69	34.86	27.88	22.2	0.159	1460.8
250.0	1.78	1.77	34.87	27.89	21.8	0.162	1461.3
260.0	1.84	1.83	34.90	27.90	20.7	0.164	1461.7
270.0	1.71	1.69	34.89	27.91	19.9	0.166	1461.3
280.0	1.45	1.43	34.88	27.91	19.1	0.168	1460.3
290.0	1.39	1.37	34.88	27.92	18.7	0.170	1460.2
300.0	1.47	1.45	34.89	27.92	18.5	0.172	1460.7
310.0	1.37	1.35	34.88	27.93	18.0	0.174	1460.4
320.0	1.32	1.31	34.89	27.93	17.6	0.175	1460.4
330.0	1.35	1.33	34.90	27.94	17.0	0.177	1460.7
340.0	1.19	1.17	34.90	27.95	15.8	0.179	1460.2
350.0	1.34	1.32	34.91	27.95	15.7	0.180	1461.0
360.0	1.49	1.47	34.93	27.96	15.4	0.182	1461.9
370.0	1.43	1.41	34.93	27.96	15.5	0.183	1461.8
380.0	1.30	1.28	34.92	27.96	15.1	0.185	1461.4
390.0	1.22	1.20	34.92	27.96	14.6	0.187	1461.2
400.0	1.18	1.16	34.92	27.97	14.2	0.188	1461.1
410.0	1.14	1.12	34.92	27.97	14.3	0.189	1461.2
420.0	1.12	1.10	34.92	27.97	13.9	0.191	1461.2
430.0	1.09	1.06	34.92	27.98	13.6	0.192	1461.2
440.0	1.06	1.04	34.92	27.98	13.5	0.194	1461.3
450.0	1.02	1.00	34.92	27.98	13.0	0.195	1461.3
460.0	0.99	0.96	34.92	27.98	12.8	0.196	1461.3
470.0	0.99	0.96	34.92	27.99	12.5	0.198	1461.5
480.0	0.98	0.95	34.92	27.98	12.7	0.199	1461.6
490.0	0.97	0.95	34.93	27.99	12.3	0.200	1461.7
500.0	0.92	0.90	34.92	27.99	12.6	0.201	1461.7
530.0	0.86	0.83	34.92	27.99	12.1	0.205	1461.9
560.0	0.85	0.82	34.93	28.00	11.5	0.209	1462.3
590.0	0.74	0.72	34.92	28.00	11.0	0.212	1462.4
620.0	0.63	0.60	34.92	28.01	10.4	0.215	1462.3
650.0	0.52	0.49	34.92	28.01	10.0	0.218	1462.4
680.0	0.44	0.41	34.92	28.01	9.5	0.221	1462.5
710.0	0.35	0.32	34.91	28.02	8.9	0.224	1462.6
740.0	0.28	0.24	34.91	28.02	8.9	0.227	1462.8
790.0	0.16	0.12	34.90	28.02	8.3	0.231	1463.0
840.0	0.05	0.02	34.90	28.02	8.1	0.235	1463.4
890.0	-0.04	-0.07	34.90	28.02	7.5	0.239	1463.8
940.0	-0.10	-0.15	34.89	28.02	7.3	0.243	1464.3
990.0	-0.17	-0.21	34.89	28.03	6.9	0.247	1464.9
1040.0	-0.23	-0.28	34.89	28.03	6.4	0.250	1465.4
1090.0	-0.29	-0.34	34.89	28.03	6.2	0.253	1466.0
1140.0	-0.35	-0.40	34.88	28.03	6.1	0.256	1466.6
1190.0	-0.40	-0.45	34.88	28.03	5.5	0.259	1467.2
1240.0	-0.45	-0.50	34.88	28.03	5.2	0.262	1467.8
1290.0	-0.50	-0.55	34.88	28.03	4.9	0.265	1468.4
1340.0	-0.53	-0.59	34.88	28.03	4.7	0.267	1469.1
1390.0	-0.56	-0.62	34.87	28.03	4.8	0.270	1469.8
1440.0	-0.59	-0.65	34.87	28.03	4.7	0.272	1470.5
1461.9	-0.62	-0.68	34.87	28.03	4.8	0.273	1470.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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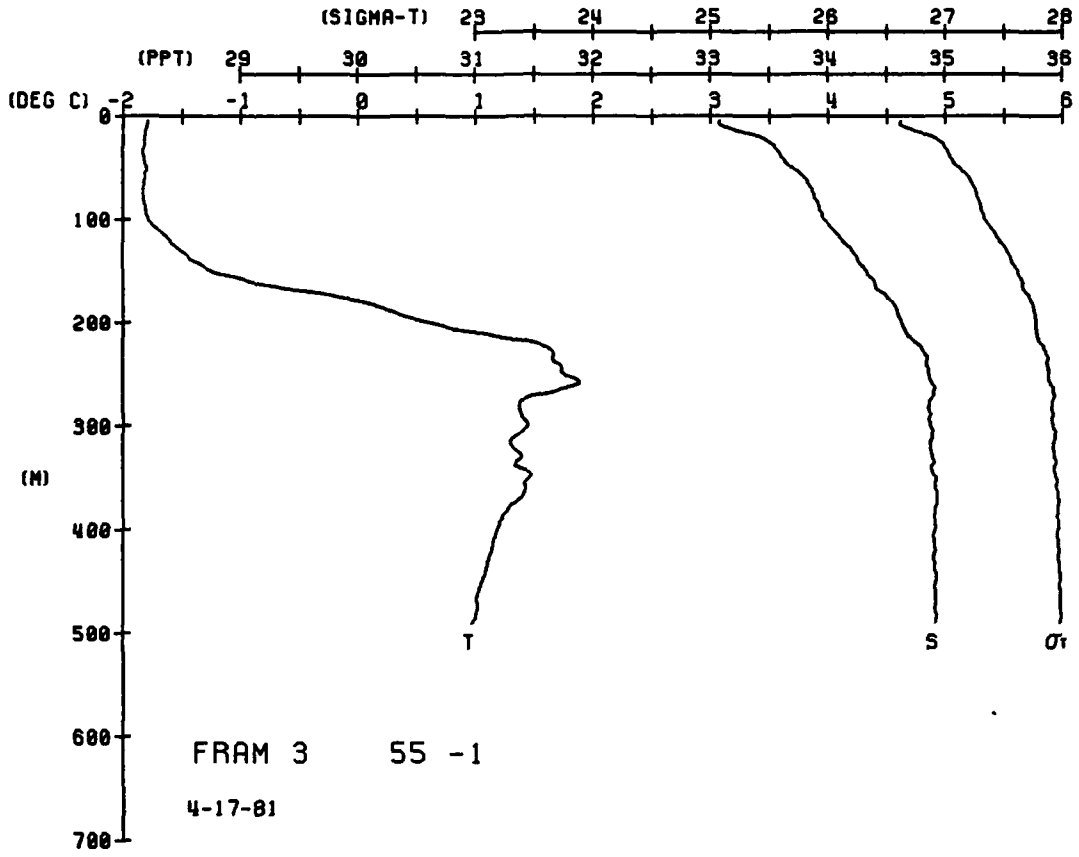

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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FRAM 3 54 -1
4-17-81
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FRAM 3 STATION 55(1) CTD 17/APR/1981 1008 GMT CODE = 5
LAT = 82.9258N LNG = 6.8160E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.08	26.62	140.8	0.000	1438.2
4.0	-1.79	-1.80	33.08	26.62	140.8	0.006	1438.3
5.0	-1.79	-1.80	33.08	26.62	141.1	0.007	1438.3
10.0	-1.80	-1.80	33.09	26.63	139.7	0.014	1438.4
15.0	-1.82	-1.82	33.25	26.76	127.7	0.021	1438.6
20.0	-1.82	-1.82	33.41	26.89	115.5	0.027	1438.9
25.0	-1.83	-1.83	33.50	26.96	108.2	0.033	1439.1
30.0	-1.83	-1.83	33.55	27.00	104.5	0.038	1439.3
35.0	-1.83	-1.83	33.58	27.03	101.6	0.043	1439.4
40.0	-1.83	-1.83	33.61	27.05	99.6	0.048	1439.5
45.0	-1.82	-1.82	33.64	27.08	97.1	0.053	1439.7
50.0	-1.80	-1.80	33.70	27.12	92.8	0.058	1439.9
55.0	-1.82	-1.82	33.76	27.17	88.2	0.063	1440.0
60.0	-1.82	-1.82	33.81	27.21	84.4	0.067	1440.1
65.0	-1.83	-1.83	33.83	27.23	82.4	0.071	1440.2
70.0	-1.83	-1.83	33.86	27.26	80.1	0.075	1440.3
75.0	-1.83	-1.83	33.88	27.27	78.9	0.080	1440.4
80.0	-1.83	-1.83	33.89	27.28	77.7	0.083	1440.5
85.0	-1.82	-1.82	33.91	27.30	76.0	0.087	1440.7
90.0	-1.81	-1.81	33.93	27.31	74.7	0.091	1440.9
95.0	-1.80	-1.81	33.95	27.33	73.3	0.095	1441.0
100.0	-1.78	-1.79	33.96	27.34	72.0	0.099	1441.2
110.0	-1.70	-1.70	34.05	27.40	65.9	0.106	1441.9
120.0	-1.60	-1.61	34.12	27.46	60.3	0.112	1442.6
130.0	-1.51	-1.51	34.21	27.53	53.6	0.118	1443.4
140.0	-1.40	-1.41	34.26	27.57	50.3	0.123	1444.1
150.0	-1.26	-1.26	34.32	27.62	45.8	0.128	1445.0
160.0	-0.93	-0.93	34.40	27.66	41.6	0.132	1446.8
170.0	-0.41	-0.42	34.45	27.68	39.9	0.136	1449.5
180.0	0.07	0.06	34.55	27.74	35.0	0.140	1451.9
190.0	0.32	0.31	34.59	27.76	32.9	0.144	1453.3
200.0	0.61	0.61	34.63	27.77	32.0	0.147	1454.9
210.0	1.07	1.06	34.67	27.77	31.9	0.150	1457.1
220.0	1.53	1.52	34.77	27.82	27.7	0.153	1459.5
230.0	1.67	1.66	34.83	27.86	24.1	0.156	1460.4
240.0	1.71	1.70	34.84	27.87	23.5	0.158	1460.8
250.0	1.76	1.75	34.86	27.88	22.6	0.160	1461.2
260.0	1.85	1.84	34.90	27.91	20.2	0.163	1461.8
270.0	1.53	1.51	34.90	27.93	17.6	0.165	1460.5
280.0	1.38	1.36	34.86	27.91	19.7	0.166	1460.0
290.0	1.39	1.38	34.87	27.91	19.4	0.168	1460.2
300.0	1.44	1.42	34.88	27.92	19.1	0.170	1460.6
310.0	1.33	1.31	34.89	27.93	17.3	0.172	1460.3
320.0	1.33	1.31	34.87	27.92	18.7	0.174	1460.4
330.0	1.39	1.37	34.89	27.93	17.6	0.176	1460.9
340.0	1.38	1.37	34.88	27.93	18.3	0.178	1461.0
350.0	1.45	1.43	34.92	27.95	16.4	0.179	1461.5
360.0	1.42	1.41	34.92	27.95	16.2	0.181	1461.6
370.0	1.37	1.35	34.93	27.96	15.1	0.183	1461.5
380.0	1.27	1.25	34.92	27.96	15.2	0.184	1461.2
390.0	1.21	1.19	34.90	27.95	15.5	0.186	1461.1
400.0	1.18	1.16	34.91	27.96	14.9	0.187	1461.1
410.0	1.15	1.13	34.90	27.96	15.2	0.189	1461.2
420.0	1.14	1.11	34.91	27.96	14.7	0.190	1461.3
430.0	1.10	1.08	34.91	27.96	14.7	0.192	1461.3
440.0	1.08	1.06	34.91	27.97	14.2	0.193	1461.4
450.0	1.05	1.03	34.91	27.97	13.9	0.195	1461.4
460.0	1.02	0.99	34.91	27.98	13.5	0.196	1461.4
470.0	1.01	0.99	34.91	27.97	13.8	0.197	1461.5
480.0	1.00	0.98	34.92	27.98	13.5	0.199	1461.7
489.1	0.96	0.94	34.91	27.97	13.7	0.200	1461.7

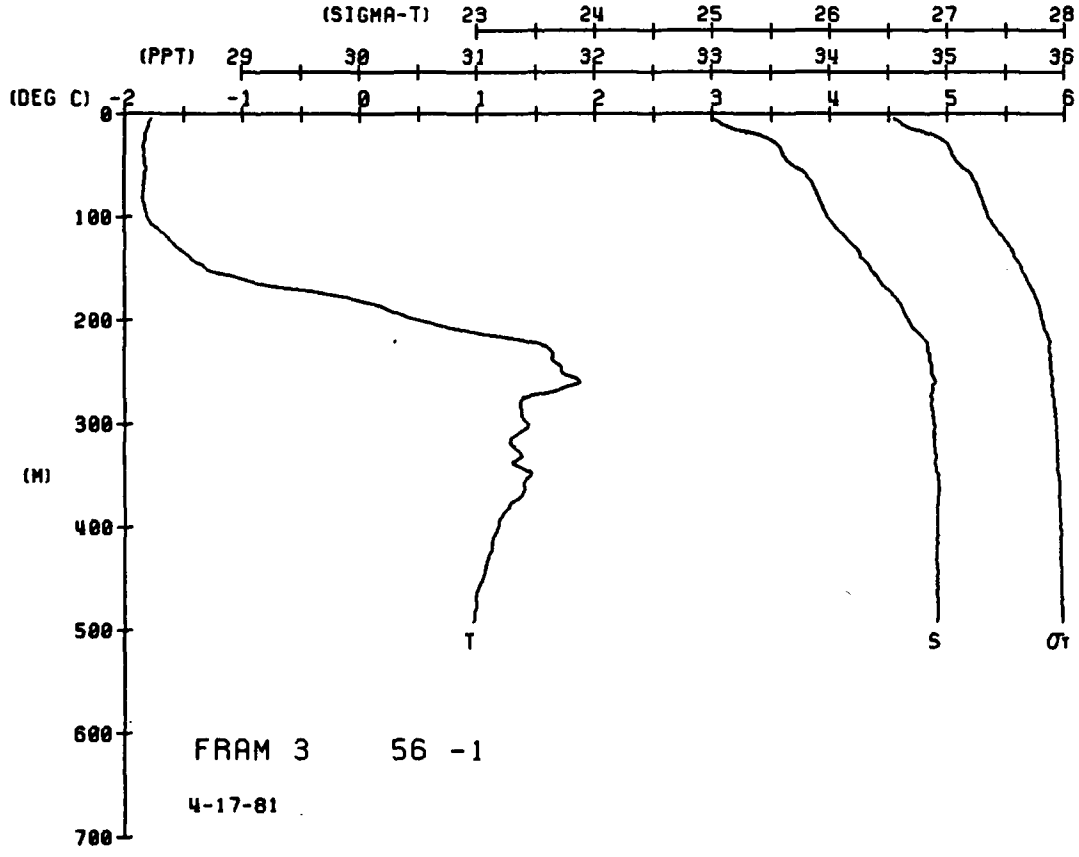
FRAM 3 STATION 56(1) CTD 17/APR/1981 1008 GMT CODE = 5
LAT = 82.9258N LNG = 6.8160E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.97	26.53	149.8	0.000	1438.2
4.0	-1.77	-1.77	32.97	26.53	149.7	0.006	1438.3
5.0	-1.78	-1.78	32.99	26.55	147.5	0.008	1438.3
10.0	-1.80	-1.80	33.07	26.61	141.3	0.015	1438.4
15.0	-1.82	-1.82	33.19	26.71	132.1	0.022	1438.5
20.0	-1.83	-1.83	33.37	26.86	117.9	0.028	1438.8
25.0	-1.84	-1.84	33.49	26.96	108.7	0.034	1439.0
30.0	-1.85	-1.85	33.56	27.01	103.7	0.039	1439.2
35.0	-1.84	-1.84	33.58	27.03	101.7	0.044	1439.3
40.0	-1.84	-1.84	33.61	27.05	99.6	0.049	1439.4
45.0	-1.83	-1.83	33.64	27.08	97.2	0.054	1439.6
50.0	-1.83	-1.83	33.69	27.12	93.4	0.059	1439.8
55.0	-1.82	-1.82	33.76	27.17	87.9	0.064	1440.0
60.0	-1.84	-1.84	33.81	27.21	84.2	0.068	1440.1
65.0	-1.84	-1.84	33.84	27.24	82.0	0.072	1440.2
70.0	-1.84	-1.84	33.87	27.26	79.6	0.076	1440.3
75.0	-1.84	-1.85	33.88	27.27	78.2	0.080	1440.4
80.0	-1.85	-1.85	33.90	27.29	76.6	0.084	1440.5
85.0	-1.85	-1.85	33.93	27.31	74.9	0.088	1440.6
90.0	-1.83	-1.83	33.94	27.32	73.8	0.092	1440.8
95.0	-1.82	-1.82	33.96	27.34	72.3	0.096	1440.9
100.0	-1.81	-1.81	33.98	27.35	70.7	0.099	1441.1
110.0	-1.74	-1.74	34.06	27.41	65.1	0.106	1441.7
120.0	-1.64	-1.64	34.14	27.48	58.7	0.112	1442.5
130.0	-1.55	-1.55	34.22	27.54	52.7	0.118	1443.2
140.0	-1.44	-1.44	34.27	27.58	49.1	0.123	1443.9
150.0	-1.30	-1.31	34.34	27.63	44.1	0.128	1444.8
160.0	-1.00	-1.00	34.42	27.68	39.5	0.132	1446.5
170.0	-0.56	-0.56	34.50	27.73	35.3	0.136	1448.9
180.0	-0.03	-0.04	34.58	27.77	31.7	0.139	1451.6
190.0	0.26	0.25	34.63	27.79	29.5	0.142	1453.1
200.0	0.51	0.50	34.68	27.82	27.7	0.145	1454.5
210.0	0.89	0.88	34.73	27.84	25.9	0.148	1456.4
220.0	1.42	1.41	34.82	27.88	22.6	0.150	1459.1
230.0	1.65	1.64	34.85	27.88	22.4	0.153	1460.3
240.0	1.67	1.66	34.87	27.89	21.4	0.155	1460.6
250.0	1.72	1.71	34.87	27.89	21.6	0.157	1461.0
260.0	1.87	1.86	34.90	27.90	20.4	0.159	1461.9
270.0	1.60	1.59	34.88	27.90	20.2	0.161	1460.8
280.0	1.37	1.35	34.87	27.91	19.1	0.163	1459.9
290.0	1.38	1.36	34.88	27.92	18.3	0.165	1460.1
300.0	1.43	1.42	34.89	27.93	17.9	0.167	1460.6
310.0	1.34	1.33	34.89	27.93	17.4	0.169	1460.3
320.0	1.30	1.28	34.89	27.94	16.8	0.171	1460.3
330.0	1.38	1.36	34.91	27.95	16.0	0.172	1460.9
340.0	1.33	1.31	34.91	27.95	15.9	0.174	1460.8
350.0	1.46	1.44	34.93	27.96	15.6	0.175	1461.6
360.0	1.40	1.39	34.93	27.96	14.7	0.177	1461.5
370.0	1.38	1.36	34.93	27.96	15.1	0.178	1461.5
380.0	1.27	1.25	34.92	27.97	14.6	0.180	1461.2
390.0	1.20	1.18	34.92	27.97	14.3	0.181	1461.1
400.0	1.17	1.15	34.92	27.97	14.2	0.183	1461.1
410.0	1.14	1.12	34.92	27.97	13.7	0.184	1461.1
420.0	1.13	1.11	34.92	27.97	13.8	0.186	1461.3
430.0	1.09	1.07	34.92	27.97	13.9	0.187	1461.3
440.0	1.08	1.05	34.92	27.98	13.3	0.188	1461.4
450.0	1.04	1.02	34.92	27.98	13.0	0.190	1461.4
460.0	1.01	0.99	34.92	27.98	12.9	0.191	1461.4
470.0	0.99	0.97	34.93	27.99	12.4	0.192	1461.5
480.0	0.99	0.97	34.93	27.99	12.6	0.194	1461.6
490.0	0.98	0.95	34.92	27.98	12.8	0.195	1461.7
491.1	0.96	0.94	34.92	27.99	12.6	0.195	1461.7



FRAM 3 55 -1

4-17-81

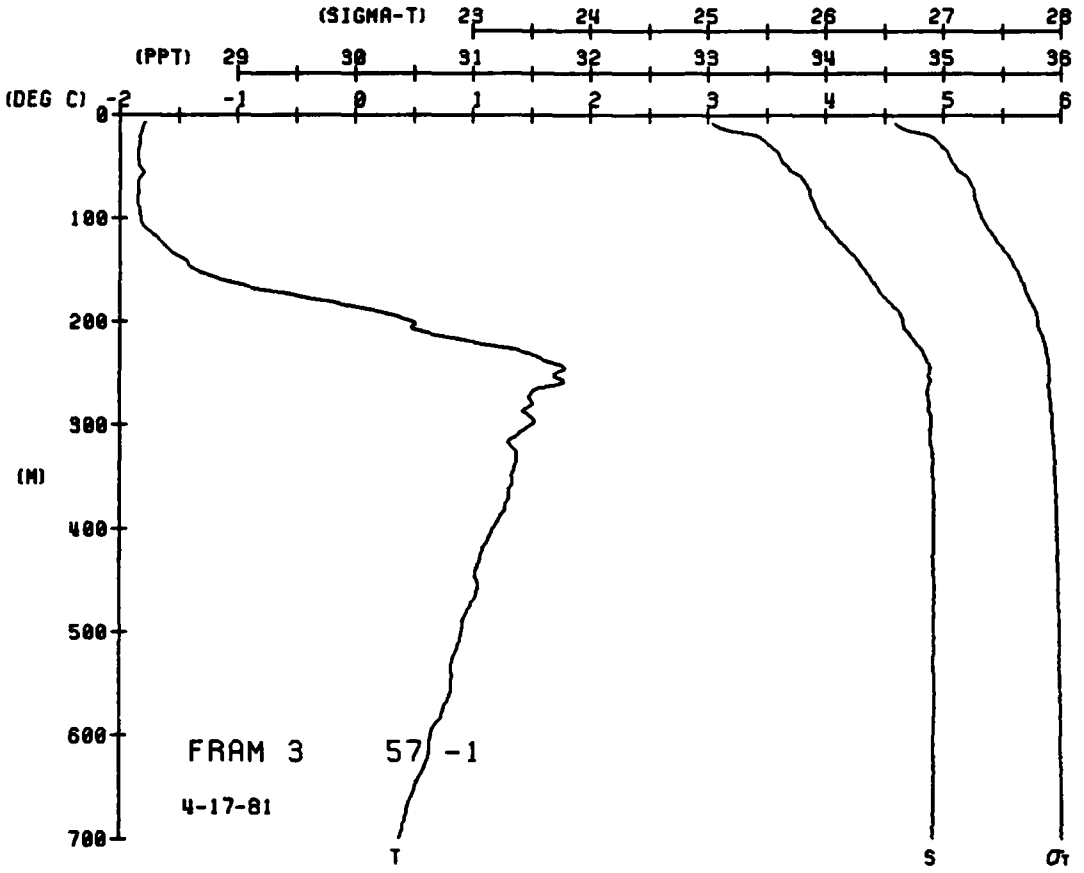


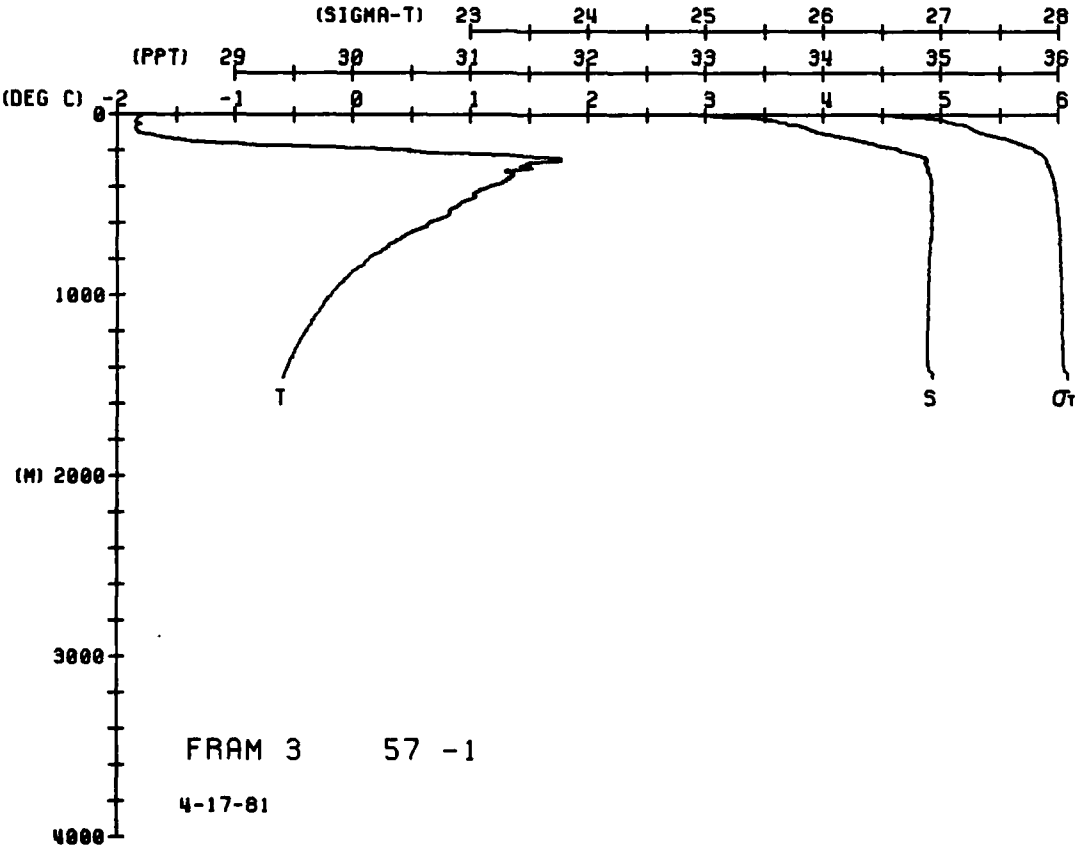
FRAM 3 56 -1

4-17-81

FRAM 3 STATION 57(1) CTD 17/APR/1981 1404 GMT CODE = 5
LAT = 82.9170N LNG = 6.8132E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

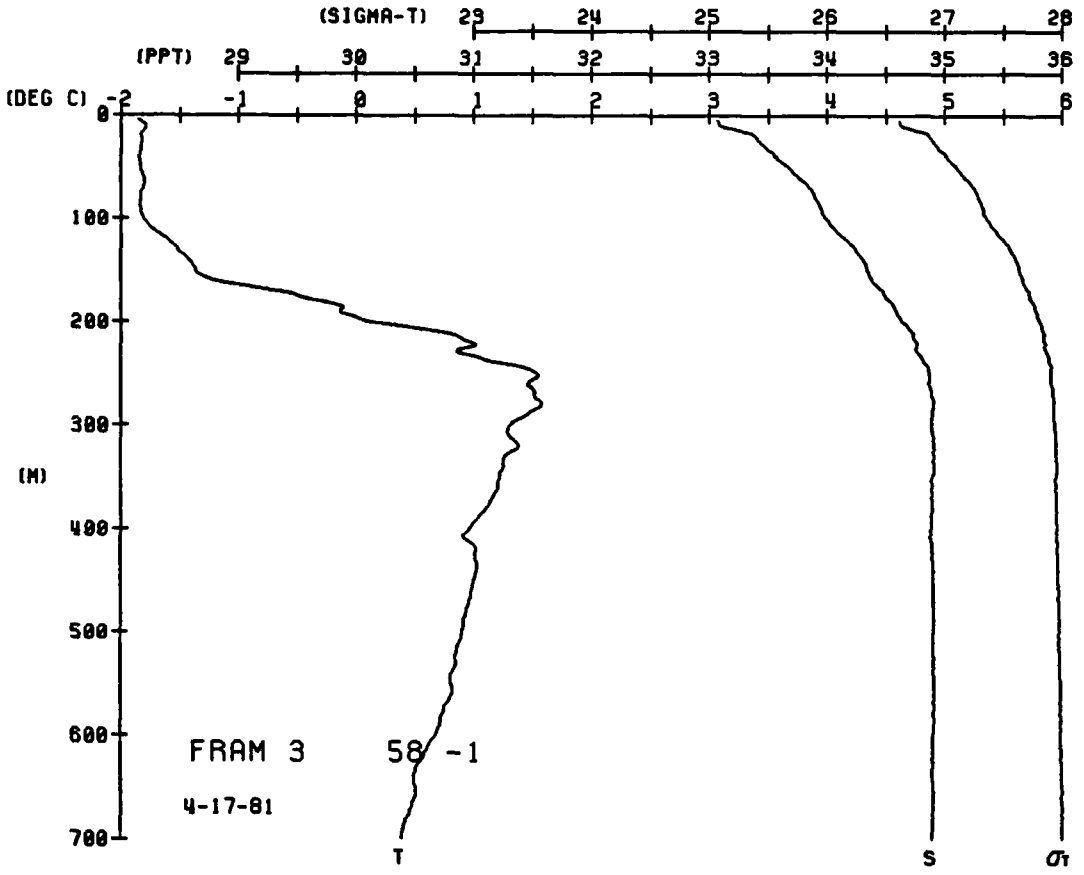
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.04	26.58	144.3	0.000	1438.2
5.0	-1.79	-1.79	33.04	26.58	144.2	0.007	1438.3
6.9	-1.79	-1.79	33.04	26.58	144.2	0.010	1438.3
10.0	-1.80	-1.81	33.06	26.61	142.0	0.015	1438.3
15.0	-1.82	-1.82	33.19	26.71	132.2	0.022	1438.5
20.0	-1.83	-1.83	33.40	26.88	115.7	0.028	1438.9
25.0	-1.84	-1.84	33.48	26.94	109.8	0.033	1439.0
30.0	-1.84	-1.84	33.53	26.98	106.2	0.039	1439.2
35.0	-1.85	-1.85	33.58	27.03	101.7	0.044	1439.3
40.0	-1.85	-1.85	33.61	27.05	99.8	0.049	1439.4
45.0	-1.84	-1.84	33.63	27.07	98.0	0.054	1439.5
50.0	-1.83	-1.83	33.68	27.10	94.5	0.059	1439.7
55.0	-1.80	-1.81	33.72	27.14	91.0	0.064	1440.0
60.0	-1.83	-1.83	33.79	27.20	85.3	0.068	1440.1
65.0	-1.85	-1.85	33.82	27.23	82.9	0.073	1440.1
70.0	-1.85	-1.85	33.85	27.25	80.8	0.077	1440.2
75.0	-1.84	-1.84	33.86	27.26	79.8	0.081	1440.4
80.0	-1.85	-1.85	33.88	27.27	78.5	0.085	1440.5
85.0	-1.85	-1.85	33.90	27.29	77.1	0.089	1440.6
90.0	-1.84	-1.84	33.92	27.30	75.6	0.093	1440.7
95.0	-1.83	-1.83	33.94	27.32	73.8	0.096	1440.9
100.0	-1.83	-1.83	33.96	27.34	72.1	0.100	1441.0
110.0	-1.78	-1.78	34.03	27.39	67.2	0.107	1441.5
120.0	-1.67	-1.67	34.10	27.45	61.7	0.114	1442.3
130.0	-1.58	-1.59	34.19	27.52	55.2	0.119	1443.0
140.0	-1.45	-1.45	34.27	27.58	49.2	0.125	1443.9
150.0	-1.35	-1.36	34.33	27.63	44.7	0.129	1444.6
160.0	-1.11	-1.12	34.39	27.66	41.2	0.134	1446.0
170.0	-0.74	-0.75	34.45	27.70	38.1	0.138	1447.9
180.0	-0.26	-0.27	34.54	27.75	33.6	0.141	1450.5
190.0	0.20	0.19	34.62	27.79	29.8	0.145	1452.8
200.0	0.50	0.49	34.66	27.80	28.9	0.148	1454.4
210.0	0.60	0.59	34.70	27.83	26.1	0.150	1455.1
220.0	1.01	1.00	34.77	27.86	23.8	0.153	1457.2
230.0	1.47	1.46	34.83	27.88	22.4	0.155	1459.5
240.0	1.69	1.68	34.87	27.90	21.0	0.157	1460.7
250.0	1.70	1.68	34.88	27.90	21.0	0.160	1460.8
260.0	1.73	1.71	34.88	27.90	20.7	0.162	1461.2
270.0	1.49	1.48	34.87	27.91	19.9	0.164	1460.3
280.0	1.50	1.49	34.88	27.91	19.2	0.166	1460.5
290.0	1.48	1.47	34.90	27.93	17.9	0.168	1460.6
300.0	1.49	1.47	34.90	27.93	18.0	0.169	1460.8
310.0	1.37	1.36	34.89	27.93	17.5	0.171	1460.5
320.0	1.33	1.31	34.90	27.94	16.6	0.173	1460.4
330.0	1.37	1.35	34.91	27.95	16.3	0.175	1460.8
340.0	1.36	1.34	34.91	27.95	15.7	0.176	1460.9
350.0	1.33	1.31	34.92	27.96	15.3	0.178	1461.0
360.0	1.31	1.30	34.92	27.96	15.0	0.179	1461.1
370.0	1.31	1.29	34.92	27.96	14.8	0.181	1461.2
380.0	1.27	1.26	34.92	27.97	14.5	0.182	1461.2
390.0	1.22	1.20	34.92	27.97	14.6	0.184	1461.2
400.0	1.17	1.15	34.92	27.97	14.0	0.185	1461.1
410.0	1.13	1.11	34.92	27.97	14.1	0.187	1461.1
420.0	1.08	1.06	34.92	27.98	13.5	0.188	1461.0
430.0	1.06	1.04	34.92	27.98	13.4	0.189	1461.1
440.0	1.02	1.00	34.92	27.98	13.0	0.191	1461.1
450.0	1.04	1.01	34.93	27.98	12.8	0.192	1461.4
460.0	1.03	1.01	34.93	27.99	12.6	0.193	1461.5
470.0	0.99	0.97	34.92	27.99	12.7	0.195	1461.5
480.0	0.95	0.92	34.92	27.99	12.4	0.196	1461.4
490.0	0.91	0.89	34.92	27.99	12.1	0.197	1461.4
500.0	0.89	0.87	34.92	27.99	12.1	0.198	1461.5
530.0	0.82	0.79	34.92	27.99	11.6	0.202	1461.7
560.0	0.81	0.78	34.93	28.00	11.0	0.205	1462.2
590.0	0.67	0.65	34.92	28.00	10.7	0.209	1462.0
620.0	0.63	0.60	34.92	28.01	10.2	0.212	1462.3
650.0	0.51	0.48	34.92	28.01	9.7	0.215	1462.3
680.0	0.42	0.39	34.92	28.02	9.3	0.218	1462.4
710.0	0.35	0.32	34.91	28.02	9.0	0.221	1462.6
740.0	0.28	0.25	34.91	28.02	8.6	0.223	1462.8
790.0	0.15	0.11	34.91	28.02	8.1	0.228	1463.0
840.0	0.07	0.03	34.90	28.02	7.8	0.232	1463.5
890.0	-0.04	-0.07	34.90	28.03	7.2	0.235	1463.8
940.0	-0.12	-0.16	34.90	28.03	6.8	0.239	1464.3
990.0	-0.18	-0.22	34.90	28.03	6.3	0.242	1464.8
1040.0	-0.24	-0.29	34.89	28.03	6.2	0.245	1465.4
1090.0	-0.29	-0.34	34.89	28.03	5.8	0.249	1466.0
1140.0	-0.34	-0.39	34.89	28.03	5.7	0.251	1466.6
1190.0	-0.39	-0.44	34.89	28.04	5.0	0.254	1467.3
1240.0	-0.44	-0.49	34.89	28.04	4.8	0.257	1467.9
1290.0	-0.48	-0.54	34.89	28.04	4.3	0.259	1468.5
1340.0	-0.51	-0.57	34.89	28.04	4.0	0.261	1469.2
1390.0	-0.56	-0.62	34.90	28.05	3.0	0.263	1469.9
1440.0	-0.58	-0.65	34.93	28.08	0.1	0.264	1470.7
1457.0	-0.59	-0.66	34.93	28.08	0.0	0.264	1470.9

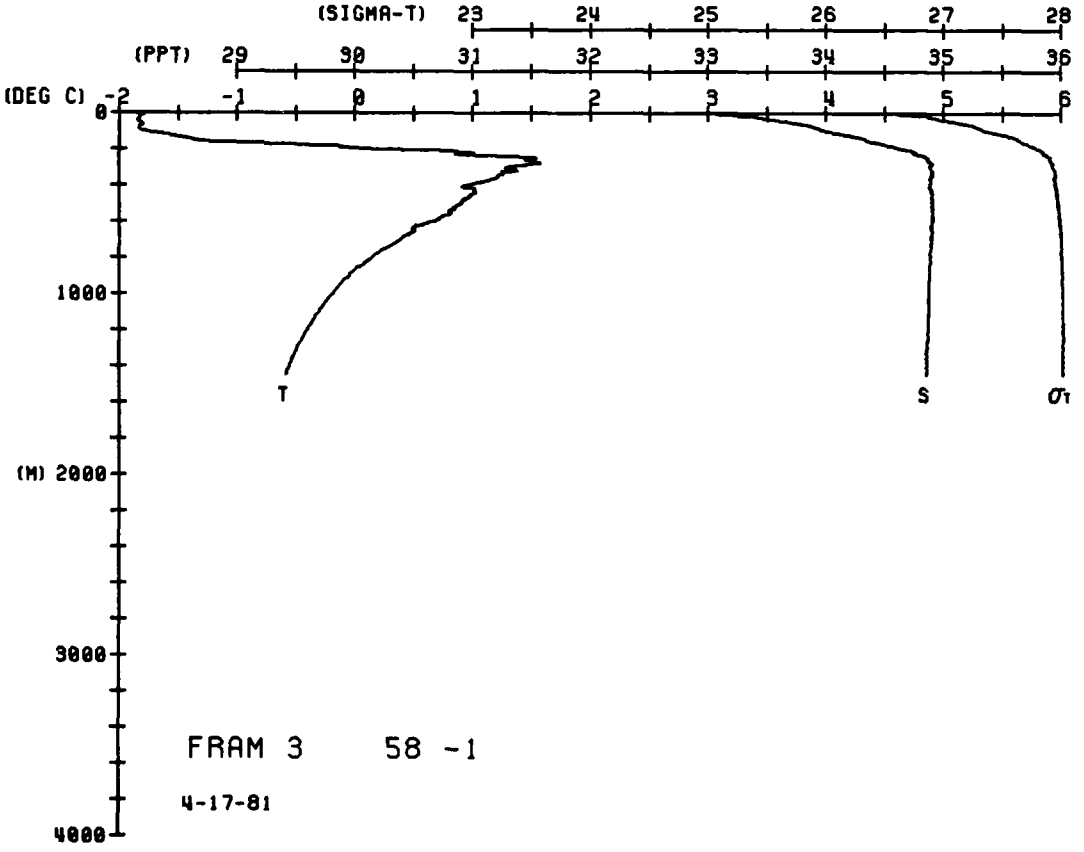

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
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500
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700
FRAM 3 57 -1
4-17-81
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S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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4000
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FRAM 3 57 -1
4-17-81

FRAM 3 STATION 58(1) CTD 17/APR/1981 2010 GMT CODE = 5
LAT = 82.9002N LNG = 6.7967E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

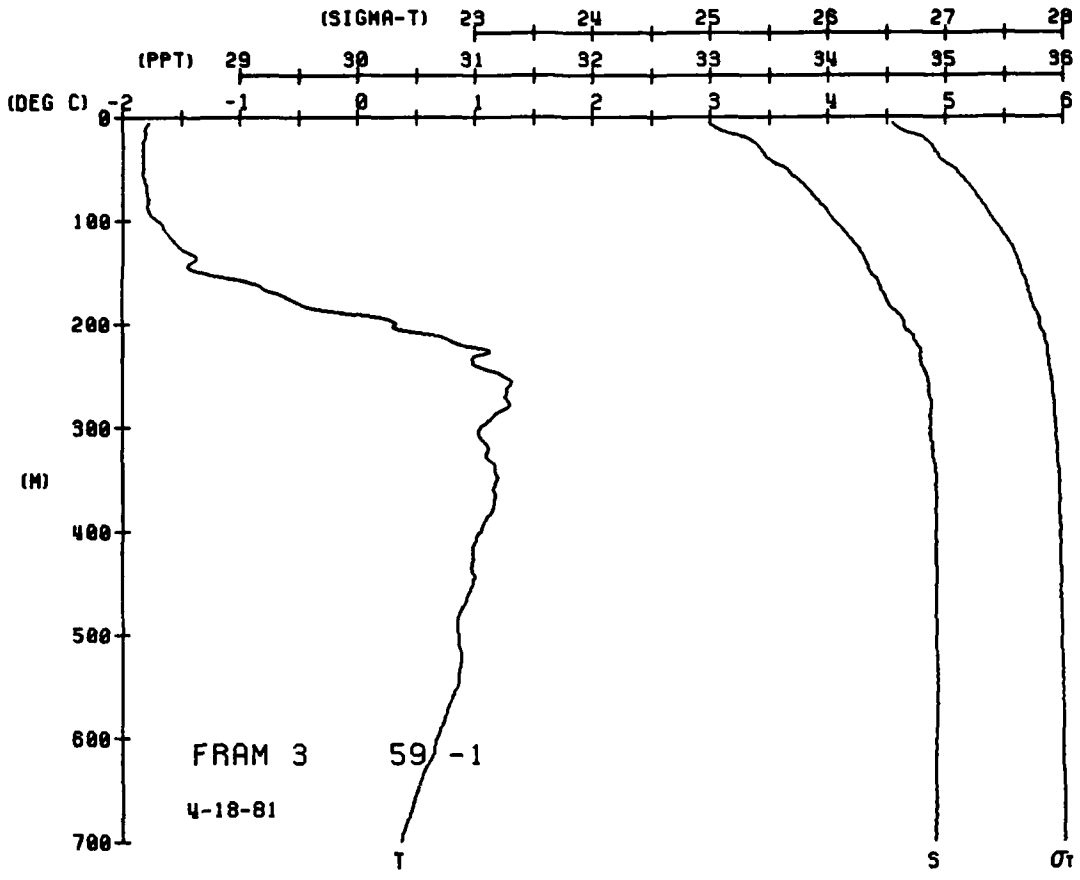
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.88	-1.88	33.07	26.61	141.5	0.000	1437.8
4.0	-1.88	-1.88	33.07	26.61	141.4	0.006	1437.9
5.0	-1.85	-1.85	33.07	26.61	141.5	0.007	1438.0
10.0	-1.79	-1.79	33.09	26.63	140.1	0.014	1438.4
15.0	-1.81	-1.81	33.28	26.78	125.4	0.021	1438.7
20.0	-1.83	-1.83	33.39	26.87	116.8	0.027	1438.8
25.0	-1.83	-1.83	33.43	26.90	113.7	0.033	1439.0
30.0	-1.84	-1.84	33.47	26.94	110.4	0.039	1439.1
35.0	-1.84	-1.84	33.52	26.98	106.9	0.044	1439.2
40.0	-1.85	-1.85	33.57	27.02	102.4	0.049	1439.4
45.0	-1.84	-1.84	33.62	27.06	98.7	0.054	1439.5
50.0	-1.83	-1.83	33.68	27.11	94.2	0.059	1439.7
55.0	-1.83	-1.83	33.72	27.14	91.2	0.064	1439.9
60.0	-1.81	-1.81	33.76	27.17	87.8	0.069	1440.1
65.0	-1.80	-1.80	33.81	27.22	83.7	0.073	1440.3
70.0	-1.81	-1.81	33.85	27.25	80.6	0.077	1440.4
75.0	-1.83	-1.84	33.89	27.28	78.1	0.081	1440.4
80.0	-1.84	-1.84	33.90	27.29	76.8	0.085	1440.5
85.0	-1.84	-1.84	33.93	27.31	74.7	0.089	1440.6
90.0	-1.84	-1.84	33.95	27.33	73.2	0.093	1440.8
95.0	-1.83	-1.83	33.96	27.34	72.0	0.096	1440.9
100.0	-1.81	-1.81	33.99	27.36	69.6	0.100	1441.1
110.0	-1.74	-1.74	34.07	27.42	64.0	0.107	1441.7
120.0	-1.61	-1.61	34.16	27.49	57.2	0.113	1442.6
130.0	-1.51	-1.52	34.25	27.56	51.0	0.118	1443.4
140.0	-1.42	-1.42	34.32	27.61	45.9	0.123	1444.1
150.0	-1.37	-1.37	34.35	27.64	43.5	0.128	1444.5
160.0	-1.19	-1.20	34.39	27.67	40.7	0.132	1445.6
170.0	-0.65	-0.66	34.48	27.72	36.5	0.136	1448.4
180.0	-0.30	-0.31	34.54	27.75	33.2	0.139	1450.3
190.0	-0.13	-0.14	34.59	27.78	30.5	0.142	1451.3
200.0	0.15	0.14	34.65	27.81	27.6	0.145	1452.8
210.0	0.74	0.73	34.73	27.84	25.1	0.148	1455.8
220.0	0.99	0.98	34.76	27.85	24.3	0.151	1457.1
230.0	0.91	0.90	34.78	27.88	22.1	0.153	1456.9
240.0	1.25	1.23	34.84	27.90	20.1	0.155	1458.7
250.0	1.54	1.53	34.87	27.91	19.9	0.157	1460.2
260.0	1.46	1.44	34.87	27.91	19.4	0.159	1460.0
270.0	1.52	1.51	34.89	27.92	18.5	0.161	1460.5
280.0	1.58	1.56	34.90	27.93	18.1	0.163	1460.9
290.0	1.44	1.43	34.89	27.93	17.9	0.165	1460.5
300.0	1.30	1.29	34.89	27.93	17.4	0.166	1460.0
310.0	1.31	1.29	34.90	27.94	16.4	0.168	1460.2
320.0	1.38	1.37	34.91	27.95	15.9	0.170	1460.7
330.0	1.27	1.25	34.91	27.95	15.6	0.171	1460.4
340.0	1.26	1.24	34.91	27.96	15.3	0.173	1460.5
350.0	1.22	1.21	34.89	27.94	16.5	0.175	1460.5
360.0	1.21	1.19	34.89	27.95	16.2	0.176	1460.6
370.0	1.16	1.14	34.90	27.95	15.8	0.178	1460.5
380.0	1.11	1.09	34.89	27.95	15.7	0.179	1460.4
390.0	1.02	1.00	34.89	27.95	15.5	0.181	1460.2
400.0	0.96	0.94	34.88	27.96	15.3	0.183	1460.1
410.0	0.94	0.92	34.89	27.96	14.7	0.184	1460.2
420.0	1.02	1.00	34.90	27.96	14.8	0.186	1460.7
430.0	1.02	1.00	34.90	27.97	14.4	0.187	1460.9
440.0	1.02	1.00	34.91	27.97	14.1	0.188	1461.1
450.0	1.00	0.98	34.91	27.97	14.0	0.190	1461.2
460.0	0.98	0.95	34.91	27.97	13.8	0.191	1461.2
470.0	0.96	0.94	34.91	27.97	13.8	0.193	1461.3
480.0	0.93	0.91	34.91	27.97	13.6	0.194	1461.3
490.0	0.92	0.89	34.90	27.97	13.6	0.195	1461.4
500.0	0.90	0.88	34.91	27.98	13.3	0.197	1461.6
530.0	0.85	0.82	34.91	27.98	12.9	0.201	1461.8
560.0	0.81	0.78	34.91	27.99	12.4	0.205	1462.2
590.0	0.71	0.69	34.91	27.99	11.9	0.208	1462.2
620.0	0.57	0.54	34.91	28.00	11.2	0.212	1462.1
650.0	0.50	0.47	34.91	28.00	10.7	0.215	1462.3
680.0	0.43	0.40	34.90	28.00	10.3	0.218	1462.4
710.0	0.37	0.33	34.90	28.01	10.0	0.221	1462.6
740.0	0.29	0.25	34.90	28.01	9.7	0.225	1462.8
790.0	0.16	0.13	34.89	28.01	9.2	0.229	1463.1
840.0	0.06	0.03	34.89	28.02	8.6	0.234	1463.4
890.0	-0.03	-0.07	34.89	28.02	8.3	0.238	1463.8
940.0	-0.11	-0.15	34.88	28.02	8.0	0.242	1464.3
990.0	-0.17	-0.22	34.88	28.02	7.5	0.246	1464.8
1040.0	-0.24	-0.29	34.88	28.02	7.3	0.250	1465.4
1090.0	-0.29	-0.34	34.88	28.02	7.0	0.254	1466.0
1140.0	-0.35	-0.40	34.88	28.02	6.6	0.257	1466.6
1190.0	-0.40	-0.45	34.87	28.02	6.4	0.260	1467.2
1240.0	-0.44	-0.50	34.87	28.02	6.3	0.264	1467.8
1290.0	-0.48	-0.54	34.87	28.02	5.8	0.267	1468.5
1340.0	-0.51	-0.57	34.86	28.02	6.1	0.270	1469.2
1390.0	-0.55	-0.61	34.86	28.02	5.6	0.273	1469.9
1440.0	-0.58	-0.64	34.86	28.02	5.5	0.275	1470.6
1453.1	-0.58	-0.65	34.86	28.02	5.5	0.276	1470.8

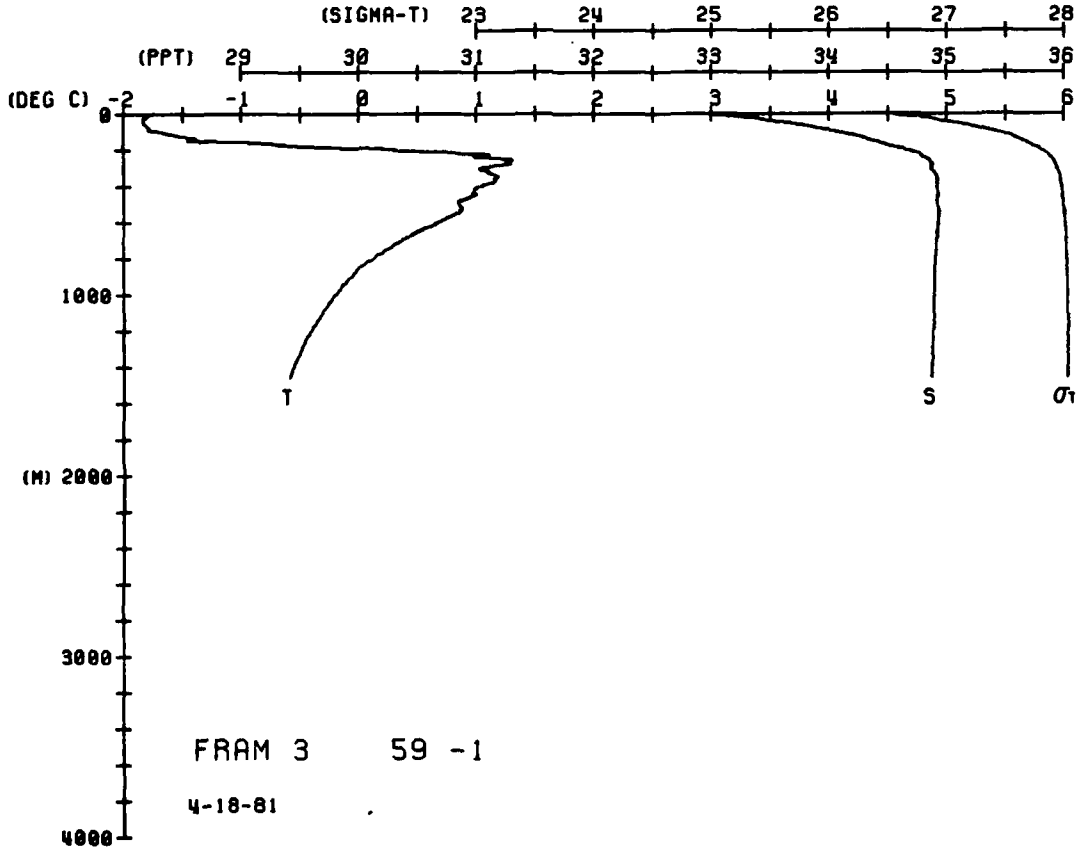

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
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FRAM 3 58 -1
4-17-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 58 -1
4-17-81
T
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σT

FRAM 3 STATION 59(1) CTD 18/APR/1981 834 GMT CODE = 5
LAT = 82.8678N LNG = 6.7620E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

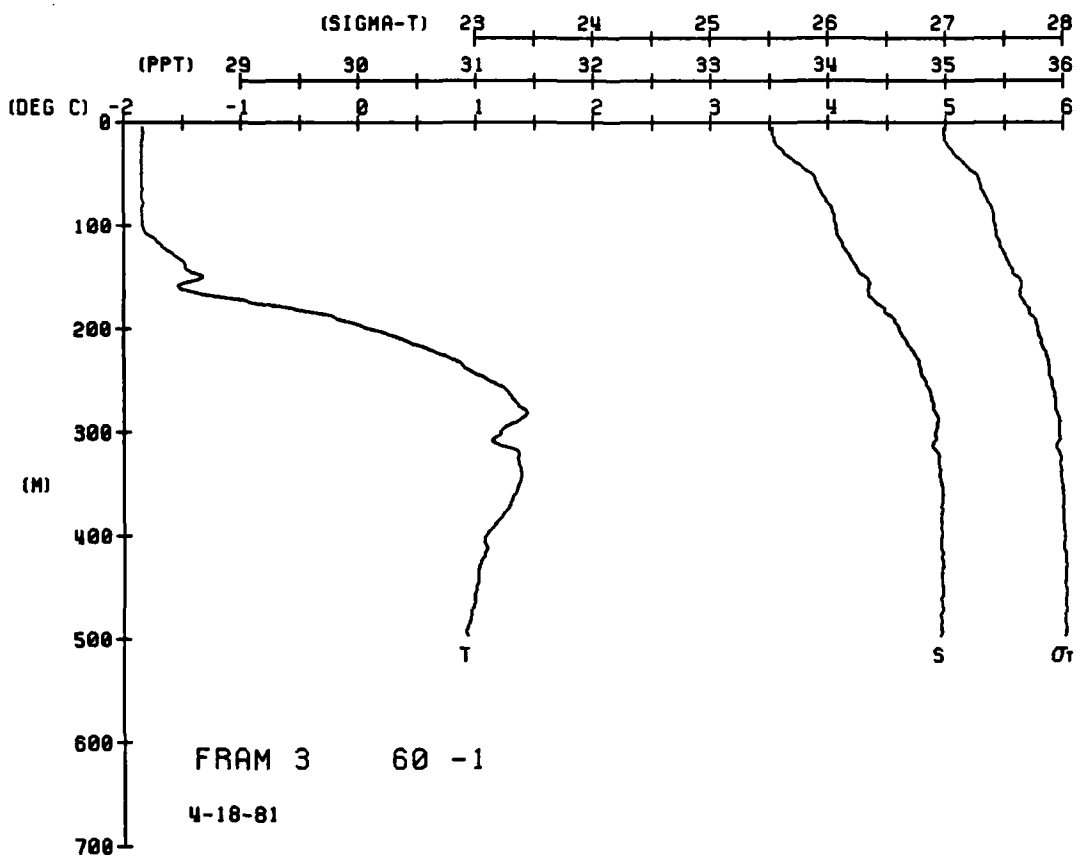
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	32.99	26.55	147.8	0.000	1438.2
5.0	-1.78	-1.78	32.99	26.55	147.8	0.007	1438.3
5.9	-1.78	-1.78	32.99	26.55	147.8	0.009	1438.3
10.0	-1.81	-1.81	33.04	26.59	143.7	0.015	1438.3
15.0	-1.81	-1.81	33.13	26.66	136.6	0.022	1438.5
20.0	-1.82	-1.82	33.30	26.80	123.6	0.029	1438.8
25.0	-1.83	-1.83	33.37	26.86	117.9	0.035	1438.9
30.0	-1.83	-1.83	33.41	26.89	114.7	0.041	1439.0
35.0	-1.84	-1.84	33.45	26.92	112.0	0.046	1439.2
40.0	-1.83	-1.83	33.48	26.94	109.7	0.052	1439.3
45.0	-1.84	-1.84	33.56	27.01	103.7	0.057	1439.5
50.0	-1.83	-1.83	33.64	27.07	97.4	0.062	1439.7
55.0	-1.83	-1.83	33.69	27.11	93.7	0.067	1439.8
60.0	-1.82	-1.82	33.74	27.15	89.7	0.072	1440.1
65.0	-1.80	-1.81	33.79	27.20	85.7	0.076	1440.3
70.0	-1.80	-1.80	33.83	27.23	82.7	0.080	1440.4
75.0	-1.79	-1.79	33.87	27.26	79.6	0.085	1440.6
80.0	-1.78	-1.78	33.91	27.29	76.7	0.089	1440.8
85.0	-1.79	-1.79	33.95	27.32	73.5	0.092	1440.9
90.0	-1.78	-1.78	33.98	27.35	70.7	0.096	1441.1
95.0	-1.76	-1.76	34.01	27.38	68.5	0.099	1441.3
100.0	-1.70	-1.71	34.05	27.41	65.5	0.103	1441.7
110.0	-1.64	-1.64	34.13	27.47	59.6	0.109	1442.3
120.0	-1.56	-1.57	34.21	27.53	53.9	0.115	1442.9
130.0	-1.46	-1.46	34.27	27.58	49.0	0.120	1443.7
140.0	-1.42	-1.42	34.32	27.62	45.6	0.125	1444.1
150.0	-1.34	-1.34	34.36	27.65	42.5	0.129	1444.7
160.0	-0.91	-0.91	34.43	27.69	39.2	0.133	1447.0
170.0	-0.70	-0.71	34.48	27.72	36.3	0.137	1448.1
180.0	-0.50	-0.51	34.52	27.74	33.9	0.141	1449.3
190.0	-0.06	-0.07	34.60	27.79	29.7	0.144	1451.6
200.0	0.33	0.32	34.65	27.80	28.9	0.147	1453.6
210.0	0.60	0.59	34.71	27.84	25.4	0.150	1455.1
220.0	0.88	0.87	34.76	27.86	23.9	0.152	1456.6
230.0	1.03	1.01	34.78	27.87	23.2	0.155	1457.4
240.0	1.00	0.99	34.80	27.88	21.7	0.157	1457.5
250.0	1.24	1.23	34.84	27.90	20.1	0.159	1458.8
260.0	1.28	1.27	34.86	27.91	19.4	0.161	1459.2
270.0	1.26	1.25	34.86	27.92	18.6	0.163	1459.3
280.0	1.28	1.26	34.88	27.93	17.7	0.165	1459.5
290.0	1.14	1.13	34.87	27.93	17.3	0.167	1459.1
300.0	1.04	1.03	34.87	27.94	16.7	0.168	1458.8
310.0	1.04	1.03	34.87	27.94	16.6	0.170	1459.0
320.0	1.11	1.09	34.89	27.95	15.6	0.172	1459.5
330.0	1.11	1.09	34.90	27.96	14.9	0.173	1459.6
340.0	1.17	1.15	34.91	27.96	14.6	0.175	1460.1
350.0	1.18	1.17	34.92	27.97	14.2	0.176	1460.3
360.0	1.15	1.14	34.91	27.97	14.3	0.178	1460.4
370.0	1.16	1.14	34.92	27.97	13.8	0.179	1460.6
380.0	1.14	1.12	34.91	27.97	14.3	0.180	1460.6
390.0	1.08	1.06	34.92	27.98	13.5	0.182	1460.5
400.0	1.05	1.03	34.92	27.98	13.2	0.183	1460.6
410.0	1.00	0.98	34.92	27.98	13.2	0.184	1460.5
420.0	0.98	0.96	34.92	27.98	13.0	0.186	1460.6
430.0	0.98	0.96	34.92	27.98	12.8	0.187	1460.8
440.0	0.98	0.96	34.93	27.99	12.2	0.188	1460.9
450.0	0.98	0.96	34.92	27.99	12.6	0.190	1461.1
460.0	0.94	0.92	34.92	27.99	12.4	0.191	1461.1
470.0	0.91	0.89	34.92	27.99	12.4	0.192	1461.1
480.0	0.87	0.84	34.92	27.99	12.3	0.193	1461.1
490.0	0.85	0.82	34.92	27.99	12.1	0.195	1461.1
500.0	0.86	0.83	34.92	27.99	12.0	0.196	1461.4
530.0	0.87	0.85	34.93	28.00	11.5	0.199	1462.0
560.0	0.81	0.78	34.93	28.00	11.1	0.203	1462.1
590.0	0.70	0.68	34.93	28.01	10.6	0.206	1462.2
620.0	0.62	0.59	34.92	28.01	10.5	0.209	1462.3
650.0	0.50	0.47	34.92	28.01	10.0	0.213	1462.3
680.0	0.42	0.39	34.92	28.01	9.4	0.215	1462.4
710.0	0.34	0.31	34.92	28.02	8.8	0.218	1462.5
740.0	0.27	0.24	34.91	28.02	8.5	0.221	1462.7
790.0	0.14	0.10	34.91	28.02	8.0	0.225	1463.0
840.0	0.03	-0.01	34.90	28.03	7.6	0.229	1463.3
890.0	-0.05	-0.09	34.90	28.03	7.2	0.233	1463.8
940.0	-0.13	-0.17	34.89	28.03	7.0	0.236	1464.2
990.0	-0.19	-0.23	34.89	28.03	6.6	0.240	1464.8
1040.0	-0.25	-0.29	34.89	28.03	6.2	0.243	1465.4
1090.0	-0.31	-0.35	34.89	28.03	6.1	0.246	1465.9
1140.0	-0.35	-0.41	34.89	28.03	5.6	0.249	1466.6
1190.0	-0.40	-0.45	34.88	28.03	5.6	0.252	1467.2
1240.0	-0.44	-0.50	34.88	28.03	5.4	0.255	1467.8
1290.0	-0.48	-0.54	34.88	28.03	5.3	0.257	1468.5
1340.0	-0.51	-0.57	34.88	28.03	5.0	0.260	1469.2
1390.0	-0.55	-0.61	34.87	28.03	4.9	0.263	1469.9
1440.0	-0.58	-0.65	34.87	28.03	4.5	0.265	1470.6
1457.0	-0.60	-0.66	34.88	28.03	4.2	0.266	1470.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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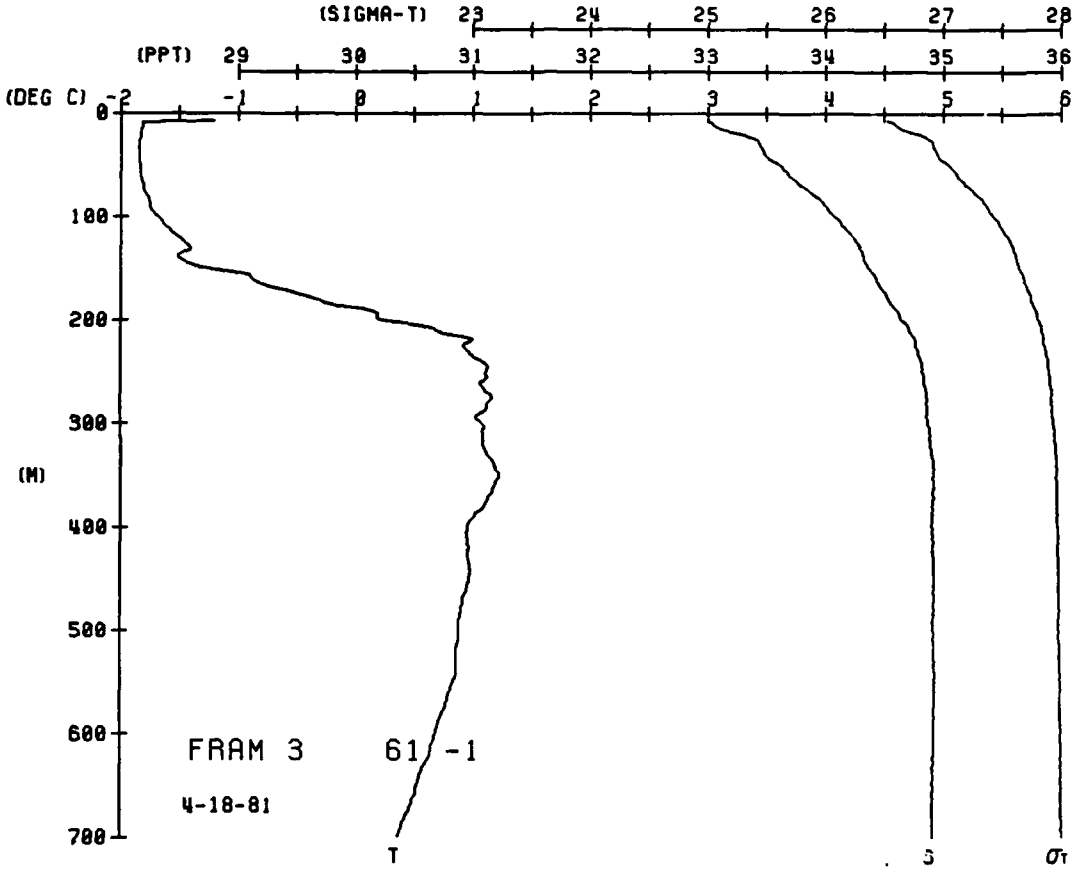
FRAM 3 STATION 60(1) CTD 18/APR/1981 1003 GMT CODE = 5
LAT = 83.0850N LNG = 12.1567E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

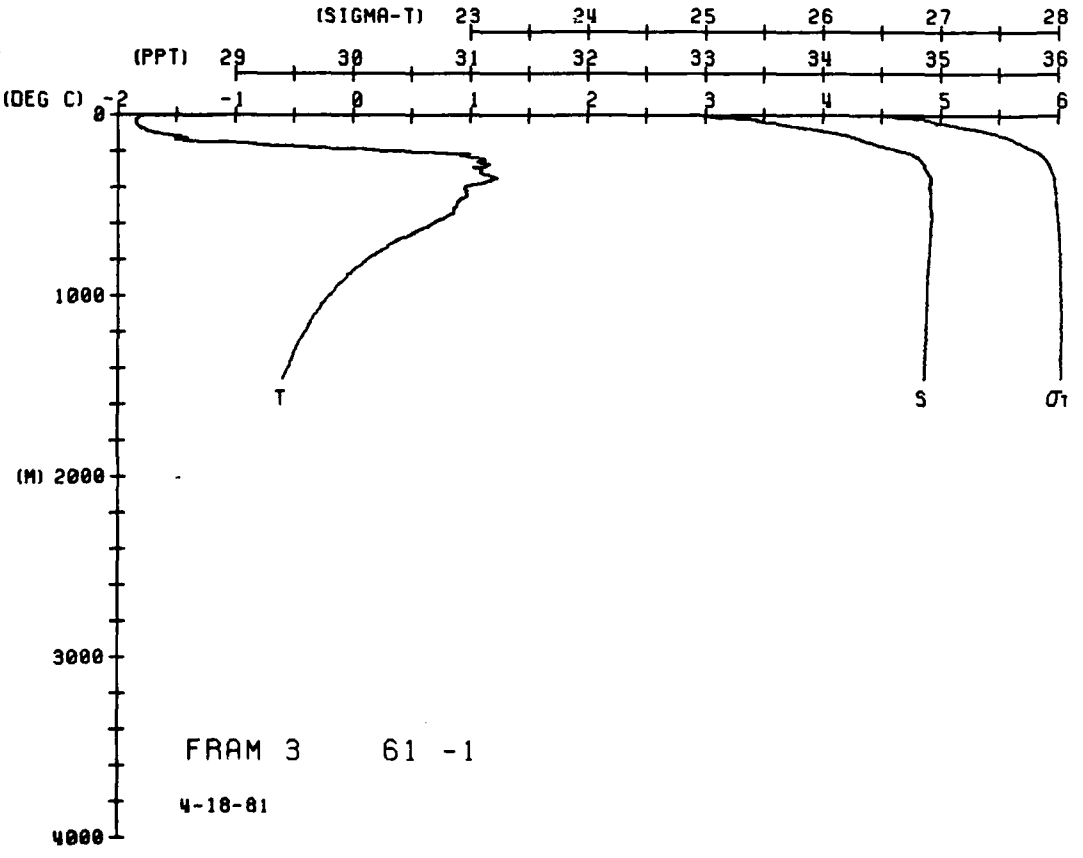
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	33.53	26.98	106.3	0.000	1438.7
4.0	-1.84	-1.84	33.53	26.98	106.2	0.004	1438.7
5.0	-1.84	-1.84	33.53	26.98	106.2	0.005	1438.7
10.0	-1.84	-1.84	33.52	26.98	106.6	0.011	1438.8
15.0	-1.84	-1.84	33.54	26.99	105.3	0.016	1438.9
20.0	-1.85	-1.85	33.55	27.00	104.2	0.021	1439.0
25.0	-1.85	-1.85	33.60	27.04	100.5	0.027	1439.1
30.0	-1.85	-1.85	33.63	27.07	98.3	0.032	1439.3
35.0	-1.85	-1.85	33.69	27.12	93.6	0.036	1439.4
40.0	-1.85	-1.85	33.75	27.16	89.0	0.041	1439.6
45.0	-1.85	-1.85	33.80	27.20	85.2	0.045	1439.8
50.0	-1.85	-1.85	33.86	27.26	80.2	0.050	1439.9
55.0	-1.85	-1.85	33.89	27.28	77.8	0.054	1440.1
60.0	-1.85	-1.85	33.91	27.29	76.6	0.058	1440.2
65.0	-1.84	-1.84	33.93	27.31	75.1	0.061	1440.3
70.0	-1.85	-1.85	33.95	27.33	73.0	0.065	1440.4
75.0	-1.84	-1.84	33.98	27.35	71.0	0.069	1440.5
80.0	-1.84	-1.84	34.02	27.38	67.9	0.072	1440.7
85.0	-1.85	-1.85	34.04	27.40	66.3	0.076	1440.7
90.0	-1.85	-1.85	34.04	27.40	66.2	0.079	1440.8
95.0	-1.85	-1.85	34.04	27.40	65.9	0.082	1440.9
100.0	-1.84	-1.84	34.05	27.41	64.9	0.086	1441.1
110.0	-1.78	-1.78	34.08	27.43	63.2	0.092	1441.5
120.0	-1.68	-1.68	34.12	27.46	60.2	0.098	1442.3
130.0	-1.55	-1.55	34.18	27.51	55.9	0.104	1443.1
140.0	-1.48	-1.48	34.23	27.55	52.0	0.110	1443.7
150.0	-1.34	-1.34	34.32	27.61	46.2	0.115	1444.6
160.0	-1.53	-1.53	34.34	27.63	43.8	0.119	1443.9
170.0	-1.11	-1.11	34.37	27.64	43.2	0.124	1446.1
180.0	-0.58	-0.59	34.48	27.71	37.0	0.128	1448.9
190.0	-0.18	-0.18	34.56	27.76	32.3	0.131	1451.0
200.0	0.10	0.09	34.60	27.78	30.9	0.134	1452.5
210.0	0.38	0.37	34.66	27.81	28.2	0.137	1454.0
220.0	0.62	0.61	34.71	27.84	25.5	0.140	1455.4
230.0	0.82	0.81	34.76	27.86	23.3	0.143	1456.5
240.0	0.94	0.92	34.78	27.88	22.3	0.145	1457.2
250.0	1.11	1.10	34.82	27.90	20.6	0.147	1458.2
260.0	1.26	1.25	34.86	27.92	18.7	0.149	1459.1
270.0	1.34	1.32	34.88	27.93	17.7	0.151	1459.6
280.0	1.43	1.41	34.91	27.94	16.7	0.153	1460.2
290.0	1.33	1.32	34.92	27.96	14.7	0.154	1460.0
300.0	1.21	1.19	34.91	27.96	15.1	0.156	1459.6
310.0	1.15	1.14	34.89	27.94	16.2	0.157	1459.5
320.0	1.36	1.35	34.93	27.97	14.5	0.159	1460.7
330.0	1.36	1.35	34.94	27.97	14.1	0.160	1460.8
340.0	1.38	1.37	34.94	27.97	13.7	0.162	1461.1
350.0	1.36	1.35	34.96	27.99	12.6	0.163	1461.2
360.0	1.32	1.31	34.97	28.00	11.4	0.164	1461.2
370.0	1.29	1.27	34.96	27.99	12.0	0.165	1461.2
380.0	1.23	1.21	34.96	27.99	11.8	0.167	1461.1
390.0	1.14	1.12	34.96	28.00	11.2	0.168	1460.9
400.0	1.08	1.06	34.96	28.00	10.8	0.169	1460.7
410.0	1.09	1.06	34.95	28.00	10.9	0.170	1460.9
420.0	1.06	1.04	34.96	28.01	10.3	0.171	1461.0
430.0	1.02	1.00	34.97	28.02	9.6	0.172	1461.0
440.0	1.01	0.99	34.96	28.01	10.2	0.173	1461.1
450.0	1.00	0.97	34.97	28.02	9.3	0.174	1461.2
460.0	0.99	0.96	34.95	28.01	10.3	0.175	1461.3
470.0	0.96	0.94	34.96	28.02	9.4	0.176	1461.4
480.0	0.95	0.93	34.96	28.01	9.9	0.177	1461.5
490.0	0.92	0.90	34.96	28.02	9.3	0.178	1461.5
496.0	0.93	0.90	34.95	28.01	10.1	0.179	1461.7


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 60 -1
4-18-81

FRAM 3 STATION 61(1) CTD 18/APR/1981 1101 GMT CODE = 5
LAT = 82.8593N LNG = 6.7642E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.21	-1.21	32.99	26.53	149.1	0.000	1440.9
5.0	-1.21	-1.21	32.99	26.53	149.1	0.008	1441.0
6.9	-1.21	-1.21	32.99	26.53	149.1	0.010	1441.0
10.0	-1.81	-1.81	33.04	26.59	143.4	0.015	1438.3
15.0	-1.82	-1.82	33.12	26.65	137.8	0.022	1438.4
20.0	-1.83	-1.83	33.27	26.78	125.9	0.029	1438.7
25.0	-1.84	-1.84	33.41	26.89	115.2	0.035	1438.9
30.0	-1.84	-1.84	33.44	26.92	112.4	0.041	1439.0
35.0	-1.84	-1.84	33.47	26.94	110.5	0.046	1439.2
40.0	-1.84	-1.84	33.49	26.96	108.7	0.052	1439.3
45.0	-1.84	-1.84	33.54	26.99	105.1	0.057	1439.4
50.0	-1.84	-1.84	33.62	27.06	99.1	0.062	1439.6
55.0	-1.84	-1.84	33.66	27.09	95.4	0.067	1439.8
60.0	-1.83	-1.83	33.70	27.13	92.5	0.072	1440.0
65.0	-1.82	-1.82	33.75	27.17	88.3	0.077	1440.2
70.0	-1.80	-1.81	33.80	27.21	84.6	0.081	1440.4
75.0	-1.80	-1.80	33.86	27.26	79.9	0.085	1440.6
80.0	-1.77	-1.77	33.92	27.30	75.5	0.089	1440.9
85.0	-1.75	-1.75	33.97	27.35	71.4	0.093	1441.1
90.0	-1.75	-1.75	34.01	27.38	68.3	0.096	1441.3
95.0	-1.72	-1.73	34.04	27.40	66.1	0.100	1441.5
100.0	-1.68	-1.68	34.09	27.44	62.6	0.103	1441.9
110.0	-1.61	-1.61	34.17	27.50	57.0	0.109	1442.5
120.0	-1.50	-1.51	34.25	27.56	51.1	0.114	1443.2
130.0	-1.40	-1.40	34.30	27.60	47.1	0.119	1444.0
140.0	-1.50	-1.50	34.33	27.63	44.3	0.124	1443.7
150.0	-1.25	-1.25	34.38	27.66	41.6	0.128	1445.1
160.0	-0.88	-0.88	34.44	27.69	38.4	0.132	1447.1
170.0	-0.63	-0.64	34.50	27.73	35.3	0.136	1448.5
180.0	-0.33	-0.34	34.55	27.76	32.8	0.140	1450.1
190.0	0.12	0.11	34.61	27.79	30.1	0.143	1452.4
200.0	0.25	0.24	34.66	27.82	27.2	0.146	1453.3
210.0	0.70	0.69	34.72	27.84	25.4	0.148	1455.6
220.0	0.99	0.98	34.77	27.86	24.0	0.151	1457.1
230.0	0.97	0.96	34.79	27.88	22.0	0.153	1457.2
240.0	1.09	1.08	34.82	27.90	20.6	0.155	1458.0
250.0	1.12	1.10	34.83	27.90	20.2	0.157	1458.2
260.0	1.07	1.05	34.84	27.91	19.0	0.159	1458.2
270.0	1.14	1.12	34.86	27.93	17.7	0.161	1458.7
280.0	1.13	1.12	34.87	27.93	17.5	0.163	1458.9
290.0	1.06	1.05	34.87	27.93	17.0	0.165	1458.7
300.0	1.09	1.08	34.88	27.95	16.1	0.166	1459.0
310.0	1.09	1.07	34.89	27.95	15.4	0.168	1459.2
320.0	1.09	1.07	34.90	27.96	14.9	0.170	1459.4
330.0	1.13	1.12	34.91	27.96	14.5	0.171	1459.8
340.0	1.18	1.17	34.92	27.97	14.1	0.172	1460.2
350.0	1.23	1.21	34.92	27.97	14.3	0.174	1460.5
360.0	1.19	1.17	34.92	27.97	13.9	0.175	1460.5
370.0	1.14	1.12	34.92	27.97	13.6	0.177	1460.5
380.0	1.09	1.07	34.92	27.97	13.8	0.178	1460.4
390.0	1.00	0.98	34.91	27.97	14.6	0.180	1460.2
400.0	0.96	0.94	34.91	27.98	13.1	0.181	1460.1
410.0	0.95	0.93	34.91	27.98	13.0	0.182	1460.3
420.0	0.97	0.95	34.92	27.98	12.9	0.183	1460.5
430.0	0.97	0.94	34.92	27.99	12.3	0.185	1460.7
440.0	0.98	0.96	34.93	27.99	12.1	0.186	1460.9
450.0	0.97	0.95	34.92	27.99	12.5	0.187	1461.1
460.0	0.95	0.93	34.92	27.99	12.3	0.189	1461.1
470.0	0.92	0.90	34.92	27.99	12.4	0.190	1461.2
480.0	0.90	0.88	34.92	27.99	12.0	0.191	1461.2
490.0	0.89	0.87	34.92	27.99	12.3	0.192	1461.4
500.0	0.88	0.86	34.92	27.99	11.8	0.193	1461.5
530.0	0.86	0.84	34.93	28.00	11.5	0.197	1461.9
560.0	0.81	0.78	34.93	28.00	10.8	0.200	1462.2
590.0	0.71	0.68	34.93	28.01	10.5	0.204	1462.2
620.0	0.63	0.61	34.92	28.01	10.4	0.207	1462.4
650.0	0.53	0.50	34.92	28.01	9.7	0.210	1462.4
680.0	0.43	0.40	34.92	28.01	9.4	0.213	1462.4
710.0	0.33	0.30	34.92	28.02	8.7	0.215	1462.5
740.0	0.28	0.24	34.91	28.02	8.6	0.218	1462.7
790.0	0.14	0.10	34.90	28.02	8.2	0.222	1463.0
840.0	0.05	0.01	34.90	28.02	7.8	0.226	1463.4
890.0	-0.05	-0.08	34.90	28.03	7.4	0.230	1463.8
940.0	-0.12	-0.16	34.90	28.03	6.9	0.234	1464.3
990.0	-0.19	-0.23	34.89	28.03	6.5	0.237	1464.8
1040.0	-0.25	-0.30	34.89	28.03	6.5	0.241	1465.4
1090.0	-0.31	-0.35	34.89	28.03	6.0	0.244	1465.9
1140.0	-0.36	-0.41	34.89	28.03	5.6	0.247	1466.5
1190.0	-0.40	-0.45	34.88	28.03	5.6	0.250	1467.2
1240.0	-0.44	-0.50	34.88	28.03	5.2	0.252	1467.8
1290.0	-0.48	-0.54	34.88	28.03	5.2	0.255	1468.5
1340.0	-0.51	-0.57	34.87	28.03	5.2	0.258	1469.2
1390.0	-0.54	-0.60	34.87	28.03	5.1	0.260	1469.9
1440.0	-0.58	-0.64	34.87	28.03	4.8	0.263	1470.6
1457.0	-0.59	-0.66	34.87	28.03	4.9	0.264	1470.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
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700
FRAM 3 61 -1
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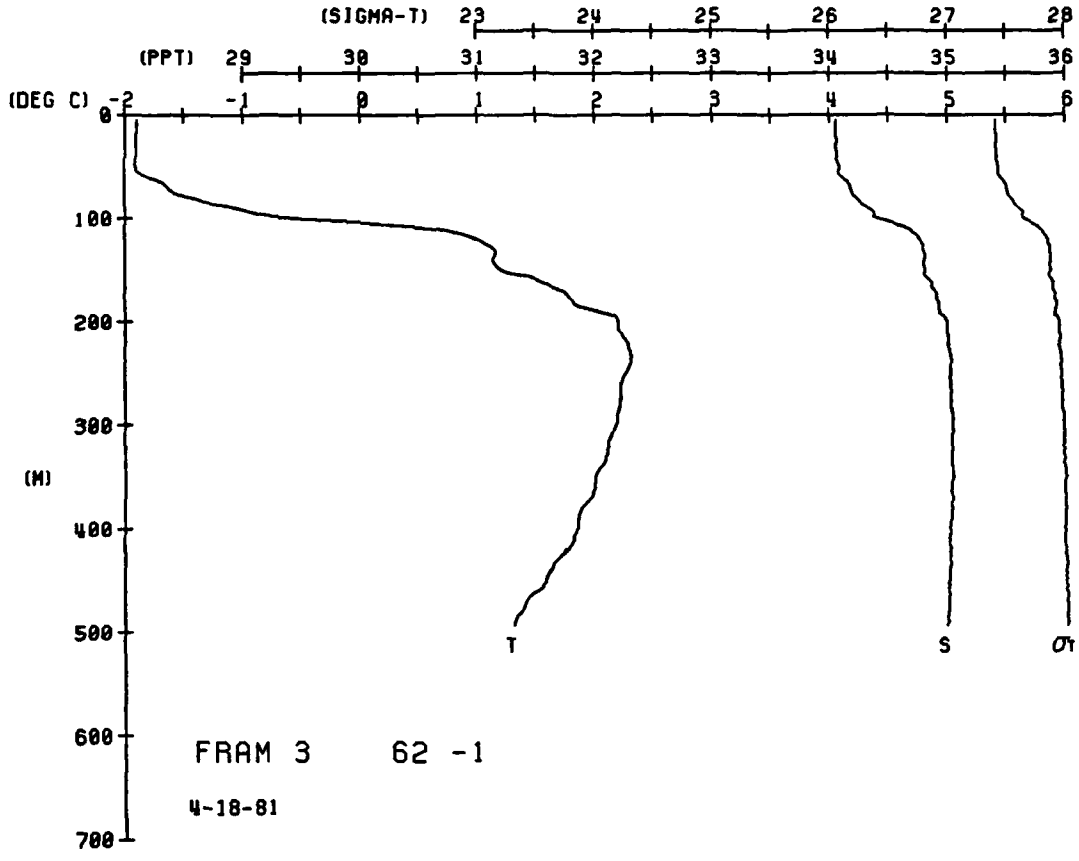

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
FRAM 3 61 -1
4-18-81
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FRAM 3 STATION 62(1) CTD 18/APR/1981 1236 GMT CODE = 5
LAT = 82.5450N LNG = 12.5333E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.89	-1.89	34.06	27.42	65.2	0.000	1439.1
4.0	-1.89	-1.90	34.06	27.42	65.2	0.003	1439.2
5.0	-1.89	-1.90	34.06	27.42	65.2	0.003	1439.2
10.0	-1.89	-1.90	34.06	27.42	65.1	0.007	1439.3
15.0	-1.89	-1.90	34.06	27.42	65.3	0.010	1439.4
20.0	-1.90	-1.90	34.06	27.42	65.0	0.013	1439.5
25.0	-1.90	-1.90	34.06	27.42	64.7	0.016	1439.5
30.0	-1.90	-1.90	34.06	27.42	65.1	0.020	1439.6
35.0	-1.90	-1.90	34.07	27.42	64.4	0.023	1439.7
40.0	-1.90	-1.90	34.07	27.43	64.1	0.026	1439.8
45.0	-1.90	-1.90	34.08	27.44	63.1	0.029	1439.9
50.0	-1.90	-1.90	34.09	27.45	62.4	0.033	1440.0
55.0	-1.88	-1.88	34.09	27.44	62.5	0.036	1440.2
60.0	-1.79	-1.79	34.12	27.47	60.1	0.039	1440.7
65.0	-1.68	-1.68	34.17	27.50	57.0	0.042	1441.4
70.0	-1.63	-1.63	34.19	27.52	55.3	0.045	1441.8
75.0	-1.58	-1.58	34.20	27.53	54.3	0.047	1442.1
80.0	-1.44	-1.44	34.24	27.55	51.9	0.050	1442.9
85.0	-1.28	-1.28	34.28	27.58	49.2	0.053	1443.8
90.0	-1.04	-1.04	34.34	27.62	45.5	0.055	1445.1
95.0	-0.89	-0.90	34.38	27.65	43.0	0.057	1445.9
100.0	-0.53	-0.54	34.41	27.66	42.2	0.059	1447.7
110.0	0.61	0.61	34.67	27.81	28.6	0.063	1453.4
120.0	1.00	0.99	34.77	27.86	23.5	0.066	1455.5
130.0	1.16	1.15	34.81	27.88	21.9	0.068	1456.4
140.0	1.14	1.14	34.81	27.89	21.3	0.070	1456.5
150.0	1.22	1.21	34.82	27.89	21.4	0.072	1457.0
160.0	1.52	1.51	34.87	27.90	19.7	0.074	1458.6
170.0	1.74	1.73	34.90	27.91	19.2	0.076	1459.8
180.0	1.82	1.81	34.93	27.93	17.4	0.078	1460.4
190.0	2.04	2.03	34.94	27.92	18.4	0.080	1461.5
200.0	2.20	2.19	35.00	27.96	15.2	0.082	1462.5
210.0	2.22	2.21	35.01	27.96	15.2	0.083	1462.7
220.0	2.29	2.27	35.01	27.96	15.5	0.085	1463.2
230.0	2.32	2.30	35.03	27.97	14.1	0.086	1463.5
240.0	2.31	2.30	35.04	27.98	13.8	0.088	1463.6
250.0	2.27	2.26	35.04	27.98	13.6	0.089	1463.6
260.0	2.23	2.22	35.04	27.98	13.2	0.090	1463.6
270.0	2.22	2.21	35.04	27.98	13.2	0.092	1463.8
280.0	2.22	2.20	35.04	27.98	13.3	0.093	1463.9
290.0	2.20	2.18	35.05	28.00	12.1	0.094	1464.0
300.0	2.19	2.17	35.05	28.00	12.2	0.096	1464.1
310.0	2.15	2.13	35.05	28.00	11.6	0.097	1464.1
320.0	2.13	2.11	35.05	28.00	12.0	0.098	1464.2
330.0	2.10	2.08	35.05	28.00	11.8	0.099	1464.2
340.0	2.06	2.04	35.05	28.01	11.0	0.100	1464.2
350.0	2.01	1.99	35.05	28.01	10.6	0.102	1464.2
360.0	2.00	1.98	35.04	28.00	11.6	0.103	1464.3
370.0	1.97	1.95	35.05	28.01	10.8	0.104	1464.3
380.0	1.89	1.87	35.05	28.02	10.3	0.105	1464.1
390.0	1.87	1.84	35.04	28.01	10.6	0.106	1464.2
400.0	1.86	1.83	35.03	28.01	11.0	0.107	1464.3
410.0	1.83	1.81	35.03	28.01	11.0	0.108	1464.3
420.0	1.78	1.75	35.03	28.02	10.4	0.109	1464.3
430.0	1.68	1.66	35.03	28.02	10.3	0.110	1464.0
440.0	1.63	1.61	35.02	28.02	10.1	0.111	1464.0
450.0	1.60	1.57	35.02	28.02	10.0	0.112	1464.0
460.0	1.53	1.51	35.02	28.03	9.5	0.113	1463.9
470.0	1.43	1.40	35.02	28.03	9.1	0.114	1463.5
480.0	1.38	1.36	35.02	28.03	8.8	0.115	1463.5
490.0	1.33	1.30	35.01	28.03	8.6	0.116	1463.4
493.1	1.32	1.29	35.00	28.02	9.5	0.116	1463.4

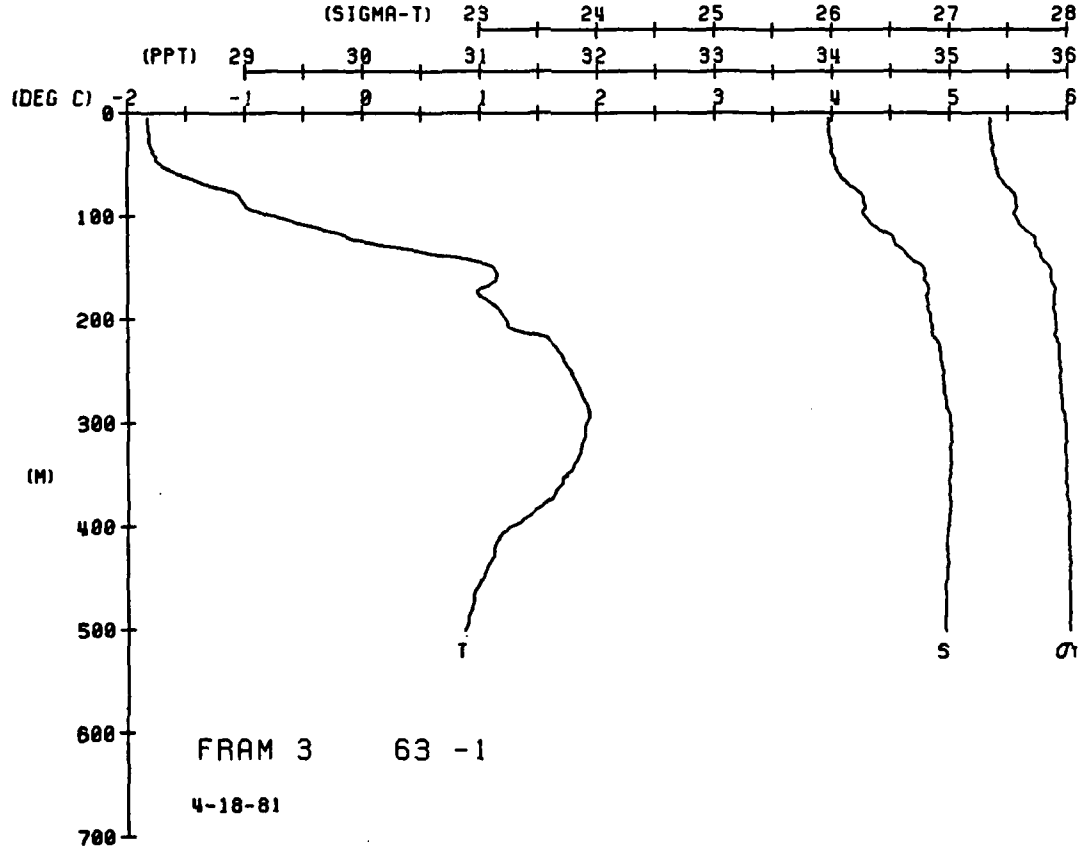
FRAM 3 STATION 63(1) CTD 18/APR/1981 1648 GMT CODE = 5
LAT = 82.3000N LNG = 12.4383E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.97	27.35	72.0	0.000	1439.4
4.0	-1.83	-1.83	33.97	27.35	72.0	0.003	1439.4
5.0	-1.83	-1.83	33.97	27.35	71.8	0.004	1439.4
10.0	-1.83	-1.84	33.97	27.35	71.7	0.007	1439.5
15.0	-1.83	-1.83	33.97	27.35	71.8	0.011	1439.6
20.0	-1.82	-1.82	33.97	27.35	71.9	0.015	1439.7
25.0	-1.82	-1.82	33.98	27.36	70.9	0.018	1439.8
30.0	-1.81	-1.81	33.99	27.36	70.3	0.022	1440.0
35.0	-1.79	-1.80	34.00	27.36	70.0	0.025	1440.1
40.0	-1.77	-1.77	34.01	27.38	68.9	0.029	1440.3
45.0	-1.75	-1.75	34.03	27.39	67.5	0.032	1440.5
50.0	-1.71	-1.72	34.03	27.39	67.6	0.036	1440.8
55.0	-1.64	-1.64	34.05	27.40	66.2	0.039	1441.2
60.0	-1.55	-1.55	34.07	27.42	64.4	0.042	1441.8
65.0	-1.43	-1.43	34.11	27.45	62.0	0.046	1442.5
70.0	-1.32	-1.32	34.16	27.48	58.8	0.049	1443.2
75.0	-1.14	-1.14	34.22	27.53	54.3	0.051	1444.2
80.0	-1.05	-1.05	34.27	27.56	51.1	0.054	1444.8
85.0	-1.02	-1.02	34.28	27.57	50.8	0.057	1445.0
90.0	-0.99	-0.99	34.29	27.58	49.9	0.059	1445.2
95.0	-0.91	-0.91	34.27	27.56	51.4	0.062	1445.7
100.0	-0.75	-0.75	34.29	27.57	50.8	0.064	1446.5
110.0	-0.43	-0.44	34.36	27.61	46.4	0.069	1448.2
120.0	-0.13	-0.14	34.52	27.72	36.1	0.073	1450.0
130.0	0.29	0.29	34.58	27.75	33.5	0.077	1452.2
140.0	0.80	0.80	34.66	27.79	30.5	0.080	1454.8
150.0	1.13	1.12	34.78	27.86	23.9	0.083	1456.6
160.0	1.14	1.14	34.79	27.86	23.3	0.085	1456.8
170.0	1.02	1.01	34.82	27.90	19.9	0.087	1456.5
180.0	1.06	1.05	34.81	27.89	20.9	0.090	1456.8
190.0	1.17	1.16	34.83	27.89	20.7	0.092	1457.5
200.0	1.23	1.22	34.84	27.90	20.0	0.094	1458.0
210.0	1.30	1.29	34.85	27.90	19.9	0.096	1458.4
220.0	1.60	1.59	34.90	27.92	18.6	0.098	1460.0
230.0	1.68	1.67	34.92	27.94	17.1	0.100	1460.5
240.0	1.73	1.71	34.93	27.94	17.0	0.101	1460.9
250.0	1.78	1.77	34.95	27.95	16.2	0.103	1461.4
260.0	1.82	1.81	34.95	27.94	16.6	0.105	1461.7
270.0	1.87	1.85	34.95	27.94	16.7	0.106	1462.1
280.0	1.91	1.89	34.97	27.96	15.6	0.108	1462.4
290.0	1.93	1.91	35.00	27.98	13.8	0.109	1462.8
300.0	1.91	1.89	35.01	27.99	13.0	0.111	1462.8
310.0	1.89	1.88	35.01	27.99	12.8	0.112	1462.9
320.0	1.88	1.86	35.01	27.99	12.6	0.113	1463.0
330.0	1.85	1.83	35.01	27.99	12.5	0.115	1463.1
340.0	1.81	1.79	35.01	28.00	11.9	0.116	1463.1
350.0	1.74	1.72	35.01	28.00	11.9	0.117	1462.9
360.0	1.69	1.67	35.00	28.00	11.9	0.118	1462.9
370.0	1.63	1.61	35.00	28.00	11.7	0.119	1462.8
380.0	1.52	1.50	35.00	28.01	10.8	0.121	1462.5
390.0	1.41	1.39	35.00	28.01	10.2	0.122	1462.1
400.0	1.27	1.25	34.99	28.02	9.3	0.123	1461.7
410.0	1.18	1.16	34.98	28.02	9.7	0.124	1461.4
420.0	1.13	1.11	34.98	28.02	9.1	0.125	1461.3
430.0	1.11	1.09	34.99	28.03	8.6	0.125	1461.5
440.0	1.06	1.04	34.98	28.03	8.9	0.126	1461.4
450.0	1.03	1.01	34.98	28.03	8.5	0.127	1461.4
460.0	0.98	0.95	34.98	28.03	8.6	0.128	1461.3
470.0	0.95	0.93	34.97	28.03	8.5	0.129	1461.4
480.0	0.93	0.90	34.97	28.03	8.4	0.130	1461.4
490.0	0.90	0.88	34.96	28.02	9.0	0.131	1461.5
500.0	0.87	0.85	34.97	28.03	8.4	0.132	1461.5
501.0	0.87	0.85	34.97	28.03	8.4	0.132	1461.5



FRAM 3 62 -1

4-18-81

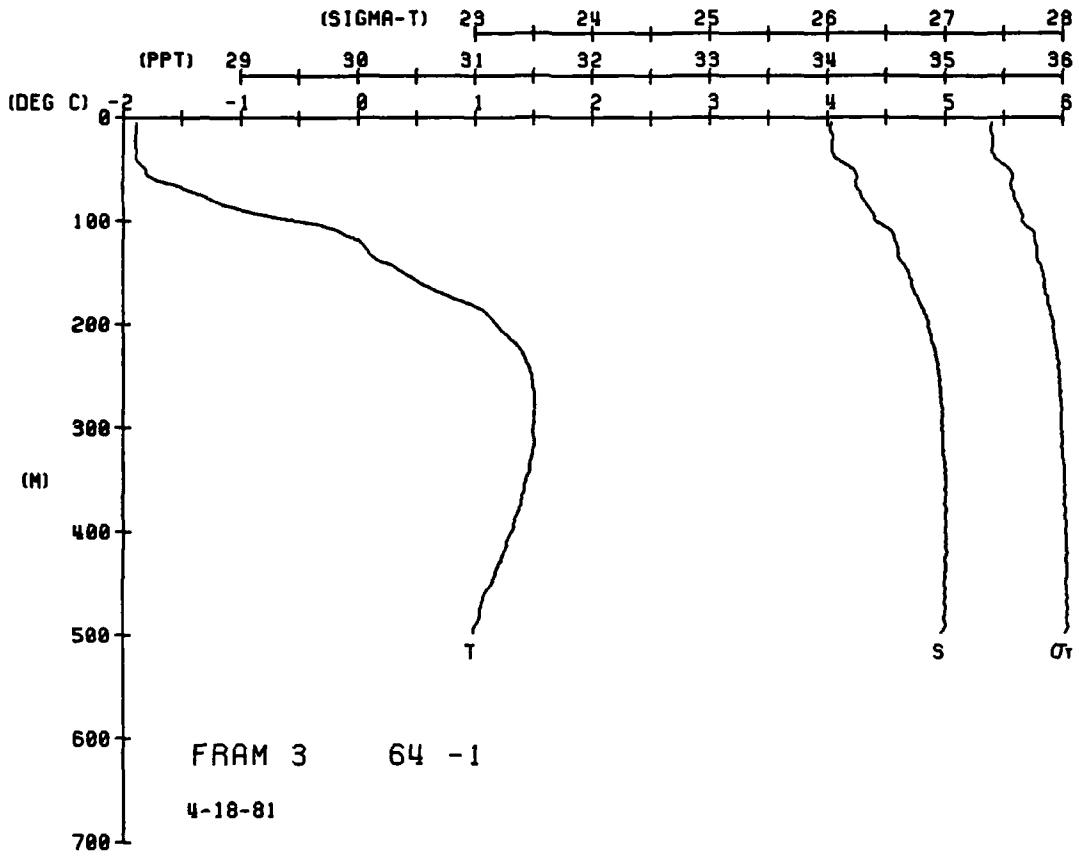


FRAM 3 63 -1

4-18-81

FRAM 3 STATION 64(1) CTD 18/APR/1981 1800 GMT CODE = 5
LAT = 82.0700N LNG = 12.2917E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.89	-1.89	34.04	27.40	66.5	0.000	1439.1
4.0	-1.89	-1.90	34.04	27.40	66.5	0.003	1439.2
5.0	-1.89	-1.89	34.03	27.40	67.0	0.003	1439.2
10.0	-1.88	-1.89	34.03	27.39	67.7	0.007	1439.3
15.0	-1.89	-1.89	34.04	27.40	66.5	0.010	1439.4
20.0	-1.89	-1.90	34.05	27.41	65.8	0.014	1439.5
25.0	-1.89	-1.90	34.04	27.41	66.1	0.017	1439.5
30.0	-1.89	-1.89	34.04	27.40	66.2	0.020	1439.6
35.0	-1.89	-1.89	34.05	27.41	65.7	0.024	1439.7
40.0	-1.88	-1.88	34.08	27.44	63.1	0.027	1439.9
45.0	-1.85	-1.85	34.16	27.50	57.3	0.030	1440.3
50.0	-1.81	-1.81	34.22	27.55	52.6	0.033	1440.6
55.0	-1.79	-1.79	34.26	27.58	49.8	0.035	1440.8
60.0	-1.73	-1.73	34.25	27.57	50.2	0.038	1441.2
65.0	-1.58	-1.58	34.25	27.56	51.0	0.040	1442.0
70.0	-1.44	-1.44	34.27	27.58	49.4	0.043	1442.8
75.0	-1.33	-1.34	34.29	27.59	48.3	0.045	1443.4
80.0	-1.24	-1.24	34.32	27.61	46.6	0.048	1443.9
85.0	-1.12	-1.12	34.35	27.63	44.9	0.050	1444.6
90.0	-0.97	-0.97	34.37	27.65	43.3	0.052	1445.5
95.0	-0.79	-0.79	34.41	27.66	41.7	0.054	1446.4
100.0	-0.51	-0.52	34.41	27.66	42.3	0.056	1447.8
110.0	-0.16	-0.17	34.55	27.75	33.2	0.060	1449.8
120.0	0.02	0.02	34.59	27.77	31.5	0.064	1450.8
130.0	0.10	0.09	34.61	27.79	30.3	0.067	1451.4
140.0	0.23	0.22	34.65	27.81	28.3	0.070	1452.2
150.0	0.39	0.39	34.69	27.84	25.5	0.072	1453.2
160.0	0.54	0.54	34.72	27.85	24.5	0.075	1454.0
170.0	0.72	0.72	34.75	27.86	23.3	0.077	1455.1
180.0	0.96	0.95	34.80	27.89	21.2	0.080	1456.3
190.0	1.12	1.11	34.84	27.91	19.2	0.082	1457.3
200.0	1.19	1.18	34.86	27.92	17.9	0.084	1457.8
210.0	1.27	1.26	34.89	27.94	16.8	0.085	1458.4
220.0	1.36	1.35	34.91	27.95	15.9	0.087	1459.0
230.0	1.42	1.41	34.93	27.96	14.8	0.088	1459.4
240.0	1.46	1.45	34.94	27.97	14.1	0.090	1459.8
250.0	1.48	1.47	34.95	27.98	13.4	0.091	1460.0
260.0	1.50	1.48	34.96	27.98	12.7	0.093	1460.3
270.0	1.51	1.50	34.97	27.98	12.7	0.094	1460.5
280.0	1.51	1.50	34.98	27.99	11.9	0.095	1460.7
290.0	1.50	1.49	34.98	27.99	11.8	0.096	1460.9
300.0	1.50	1.48	34.98	28.00	11.6	0.098	1461.0
310.0	1.50	1.49	34.99	28.00	11.2	0.099	1461.2
320.0	1.50	1.48	34.99	28.00	11.2	0.100	1461.3
330.0	1.48	1.46	35.00	28.02	9.9	0.101	1461.4
340.0	1.47	1.45	35.01	28.02	9.5	0.102	1461.5
350.0	1.43	1.42	35.01	28.02	9.3	0.103	1461.6
360.0	1.42	1.40	35.01	28.02	9.2	0.104	1461.7
370.0	1.40	1.38	35.01	28.02	9.3	0.105	1461.8
380.0	1.38	1.36	35.01	28.03	8.5	0.106	1461.8
390.0	1.34	1.31	35.01	28.03	8.4	0.106	1461.8
400.0	1.31	1.29	35.01	28.03	8.8	0.107	1461.9
410.0	1.27	1.25	35.01	28.03	8.4	0.108	1461.8
420.0	1.25	1.22	35.02	28.04	7.4	0.109	1461.9
430.0	1.21	1.19	35.01	28.04	7.7	0.110	1461.9
440.0	1.17	1.15	35.01	28.04	7.8	0.111	1461.9
450.0	1.15	1.13	35.00	28.04	7.7	0.111	1462.0
460.0	1.09	1.06	35.01	28.04	7.2	0.112	1461.9
470.0	1.06	1.04	35.00	28.04	7.2	0.113	1461.9
480.0	1.04	1.02	35.00	28.04	7.1	0.114	1462.0
490.0	1.01	0.98	35.01	28.05	6.4	0.114	1462.0
497.0	0.99	0.96	34.97	28.03	8.8	0.115	1462.0

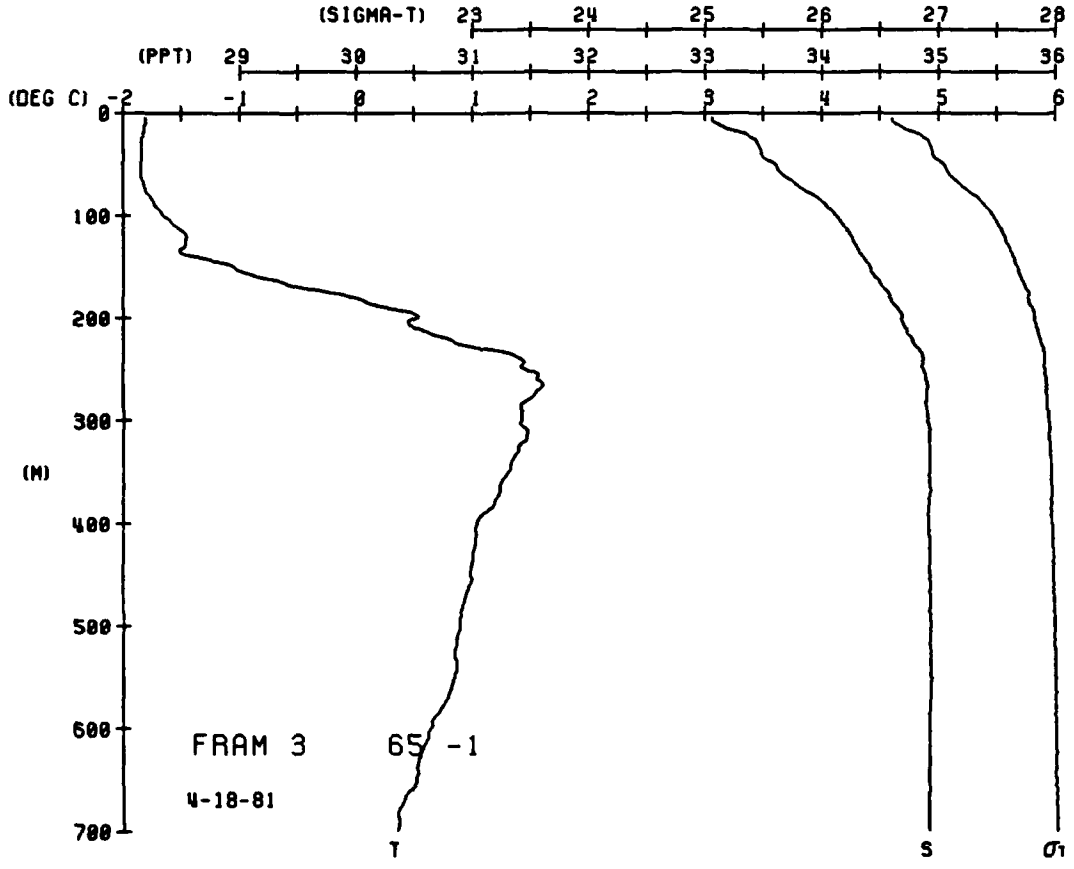


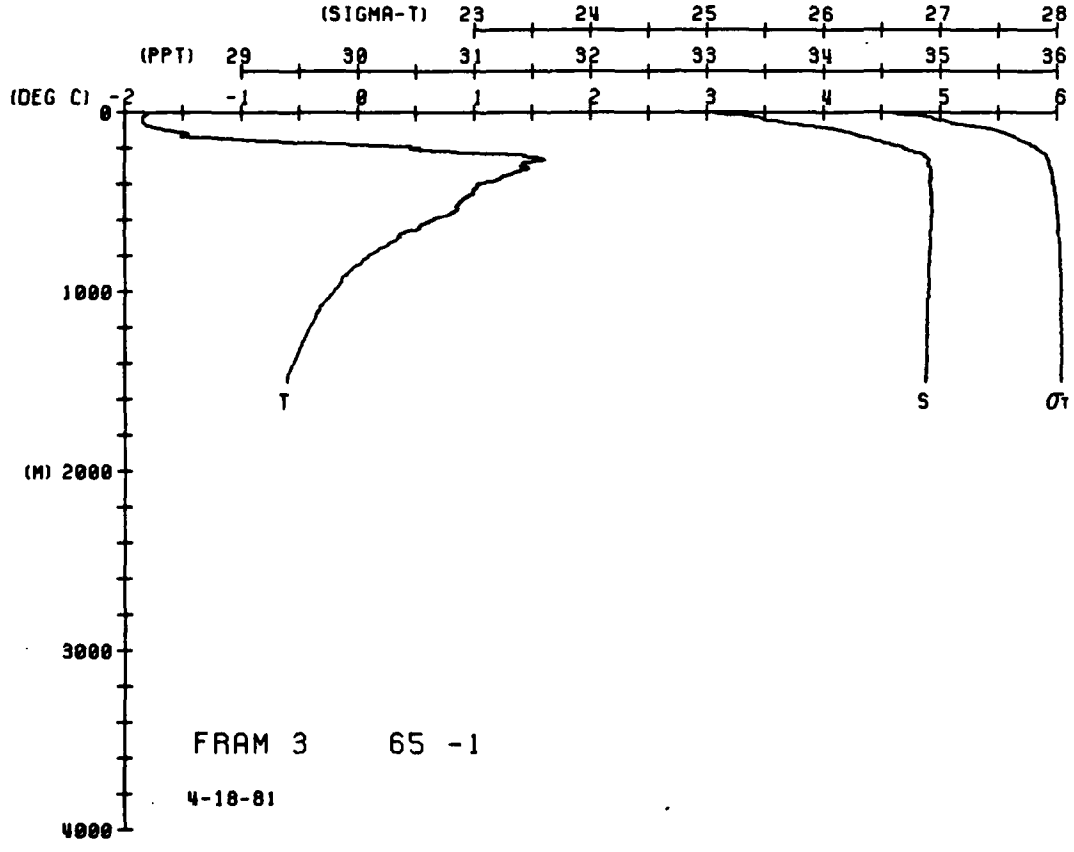
FRAM 3 64 -1

4-18-81

FRAM 3 STATION 65(1) CTD 18/APR/1981 2019 GMT CODE = 5
LAT = 82.8377N LNG = 6.7463E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

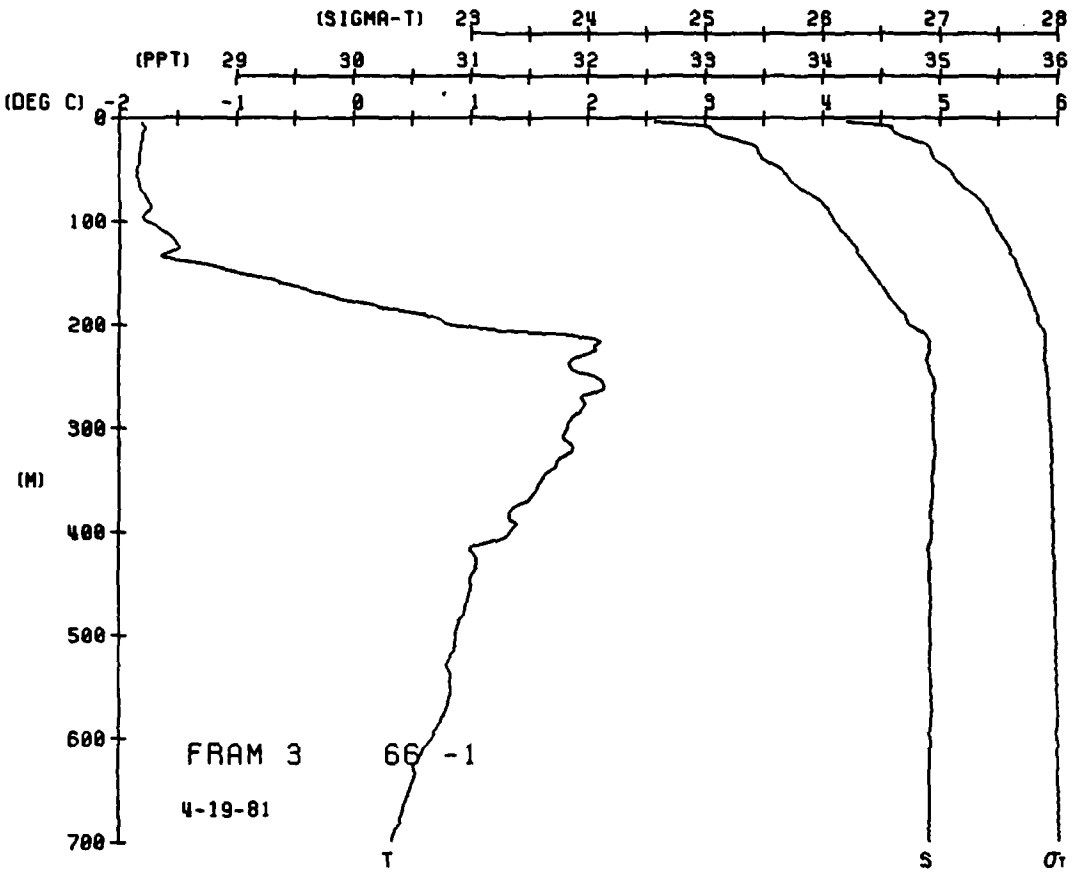
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.06	26.61	142.0	0.000	1438.2
4.0	-1.80	-1.81	33.06	26.61	142.0	0.006	1438.2
5.0	-1.80	-1.80	33.07	26.61	141.8	0.007	1438.3
10.0	-1.80	-1.80	33.09	26.63	139.6	0.014	1438.4
15.0	-1.82	-1.82	33.19	26.71	132.3	0.021	1438.5
20.0	-1.82	-1.82	33.33	26.82	121.5	0.028	1438.8
25.0	-1.84	-1.84	33.42	26.90	114.1	0.034	1438.9
30.0	-1.84	-1.84	33.46	26.93	111.4	0.039	1439.1
35.0	-1.84	-1.84	33.48	26.94	109.8	0.045	1439.2
40.0	-1.84	-1.84	33.49	26.95	109.0	0.050	1439.3
45.0	-1.84	-1.84	33.53	26.99	105.6	0.056	1439.4
50.0	-1.84	-1.84	33.61	27.05	99.7	0.061	1439.6
55.0	-1.85	-1.85	33.64	27.07	97.5	0.066	1439.7
60.0	-1.85	-1.85	33.67	27.10	94.5	0.071	1439.8
65.0	-1.83	-1.83	33.73	27.15	89.9	0.075	1440.1
70.0	-1.82	-1.82	33.80	27.20	84.9	0.080	1440.3
75.0	-1.80	-1.81	33.86	27.25	80.5	0.084	1440.5
80.0	-1.77	-1.77	33.93	27.31	74.5	0.088	1440.9
85.0	-1.74	-1.74	34.01	27.37	69.1	0.092	1441.2
90.0	-1.72	-1.72	34.05	27.41	65.7	0.095	1441.5
95.0	-1.68	-1.68	34.09	27.44	62.5	0.098	1441.8
100.0	-1.64	-1.65	34.14	27.47	59.2	0.101	1442.1
110.0	-1.55	-1.56	34.20	27.52	54.5	0.107	1442.8
120.0	-1.46	-1.46	34.26	27.57	50.2	0.112	1443.5
130.0	-1.47	-1.48	34.30	27.61	46.6	0.117	1443.6
140.0	-1.38	-1.39	34.36	27.64	43.0	0.122	1444.3
150.0	-1.04	-1.05	34.42	27.68	39.6	0.126	1446.1
160.0	-0.81	-0.82	34.46	27.71	37.1	0.130	1447.5
170.0	-0.48	-0.49	34.53	27.75	33.4	0.133	1449.2
180.0	0.00	-0.01	34.59	27.78	31.1	0.137	1451.7
190.0	0.28	0.27	34.66	27.81	27.6	0.140	1453.3
200.0	0.50	0.50	34.69	27.83	26.4	0.142	1454.5
210.0	0.54	0.54	34.73	27.86	23.9	0.145	1454.9
220.0	0.81	0.80	34.78	27.88	22.0	0.147	1456.3
230.0	1.14	1.13	34.84	27.90	19.7	0.149	1458.0
240.0	1.43	1.42	34.87	27.91	19.4	0.151	1459.5
250.0	1.47	1.46	34.88	27.91	19.0	0.153	1459.9
260.0	1.56	1.55	34.90	27.93	17.9	0.155	1460.5
270.0	1.57	1.56	34.90	27.93	17.9	0.157	1460.7
280.0	1.47	1.46	34.90	27.93	17.5	0.159	1460.4
290.0	1.43	1.42	34.90	27.94	17.0	0.161	1460.4
300.0	1.42	1.40	34.91	27.94	16.7	0.162	1460.5
310.0	1.48	1.46	34.92	27.95	15.8	0.164	1461.0
320.0	1.44	1.43	34.93	27.96	15.4	0.165	1461.0
330.0	1.39	1.37	34.93	27.96	14.9	0.167	1460.9
340.0	1.34	1.32	34.93	27.96	14.7	0.168	1460.9
350.0	1.31	1.29	34.92	27.96	14.7	0.170	1460.9
360.0	1.24	1.23	34.92	27.97	14.4	0.171	1460.8
370.0	1.23	1.21	34.93	27.97	14.1	0.173	1460.9
380.0	1.19	1.17	34.92	27.97	13.9	0.174	1460.9
390.0	1.10	1.08	34.91	27.97	14.1	0.176	1460.6
400.0	1.04	1.02	34.92	27.98	13.3	0.177	1460.5
410.0	1.03	1.01	34.92	27.98	13.1	0.178	1460.7
420.0	1.02	1.00	34.92	27.98	12.8	0.180	1460.8
430.0	1.00	0.98	34.93	27.99	12.4	0.181	1460.9
440.0	1.00	0.97	34.93	27.99	12.4	0.182	1461.0
450.0	0.99	0.97	34.93	27.99	12.2	0.184	1461.2
460.0	0.98	0.95	34.93	27.99	12.0	0.185	1461.2
470.0	0.94	0.92	34.93	27.99	11.9	0.186	1461.3
480.0	0.92	0.90	34.93	27.99	11.8	0.187	1461.3
490.0	0.90	0.87	34.93	28.00	11.5	0.188	1461.4
500.0	0.88	0.86	34.93	28.00	11.5	0.190	1461.5
530.0	0.86	0.83	34.93	28.00	11.0	0.193	1461.9
560.0	0.81	0.79	34.94	28.01	10.6	0.196	1462.2
590.0	0.66	0.63	34.93	28.01	10.1	0.199	1462.0
620.0	0.57	0.54	34.93	28.01	9.7	0.202	1462.1
650.0	0.52	0.49	34.93	28.02	9.3	0.205	1462.4
680.0	0.36	0.33	34.92	28.02	8.8	0.208	1462.1
710.0	0.33	0.30	34.92	28.02	8.6	0.211	1462.5
740.0	0.26	0.23	34.92	28.02	8.3	0.213	1462.7
790.0	0.12	0.09	34.91	28.03	7.8	0.217	1462.9
840.0	0.03	-0.01	34.90	28.03	7.4	0.221	1463.3
890.0	-0.08	-0.12	34.90	28.03	6.7	0.225	1463.6
940.0	-0.14	-0.18	34.90	28.03	6.6	0.228	1464.2
990.0	-0.19	-0.24	34.90	28.04	6.0	0.231	1464.8
1040.0	-0.26	-0.31	34.90	28.04	5.5	0.234	1465.3
1090.0	-0.32	-0.37	34.90	28.04	5.3	0.237	1465.9
1140.0	-0.37	-0.42	34.90	28.04	4.9	0.240	1466.5
1190.0	-0.40	-0.45	34.89	28.04	5.1	0.242	1467.2
1240.0	-0.44	-0.50	34.89	28.04	4.7	0.245	1467.9
1290.0	-0.48	-0.54	34.89	28.04	4.4	0.247	1468.5
1340.0	-0.51	-0.57	34.89	28.04	4.3	0.249	1469.2
1390.0	-0.55	-0.61	34.88	28.04	4.2	0.251	1469.9
1440.0	-0.57	-0.64	34.88	28.04	3.8	0.253	1470.6
1490.0	-0.60	-0.67	34.88	28.04	3.6	0.255	1471.4
1502.2	-0.61	-0.68	34.88	28.04	3.3	0.256	1471.5

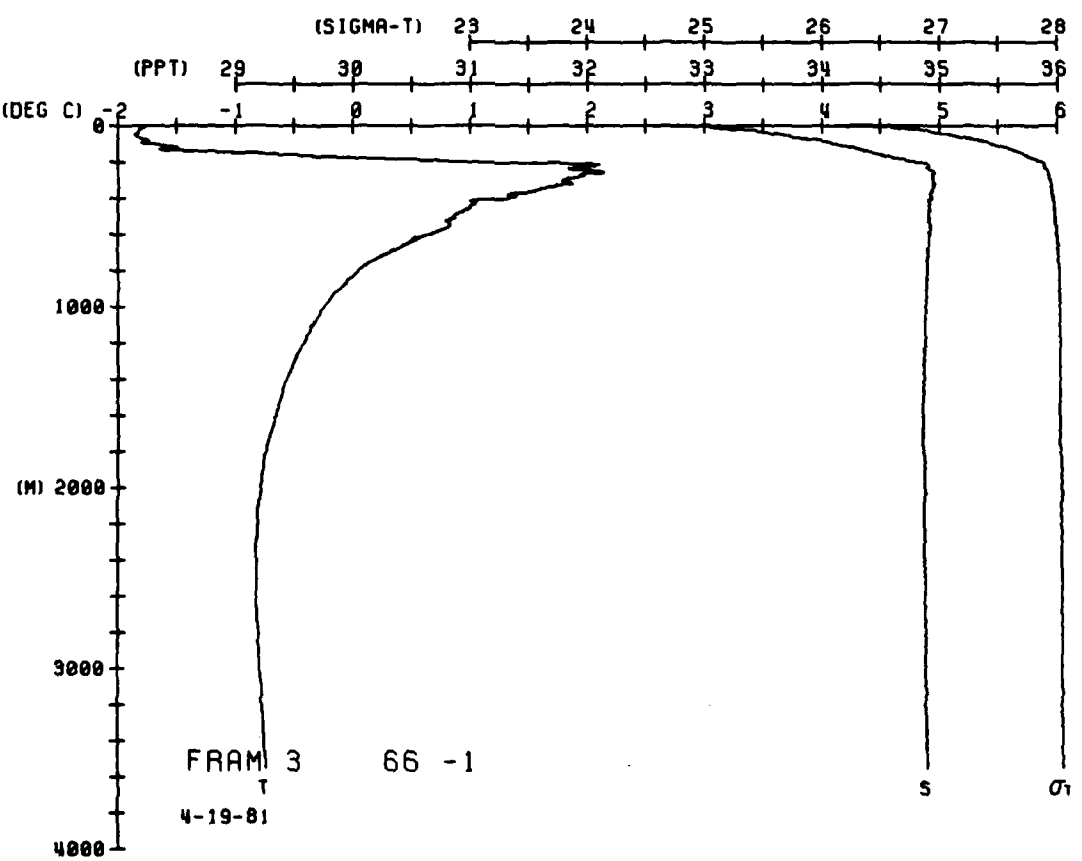

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
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FRAM 3 65 -1
4-18-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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FRAM 3 65 -1
4-18-81

FRAM 3 STATION 66(1) CTD 19/APR/1981 1428 GMT CODE = 5
LAT = 82.8063N LNG = 6.7115E DTER = 30. DGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

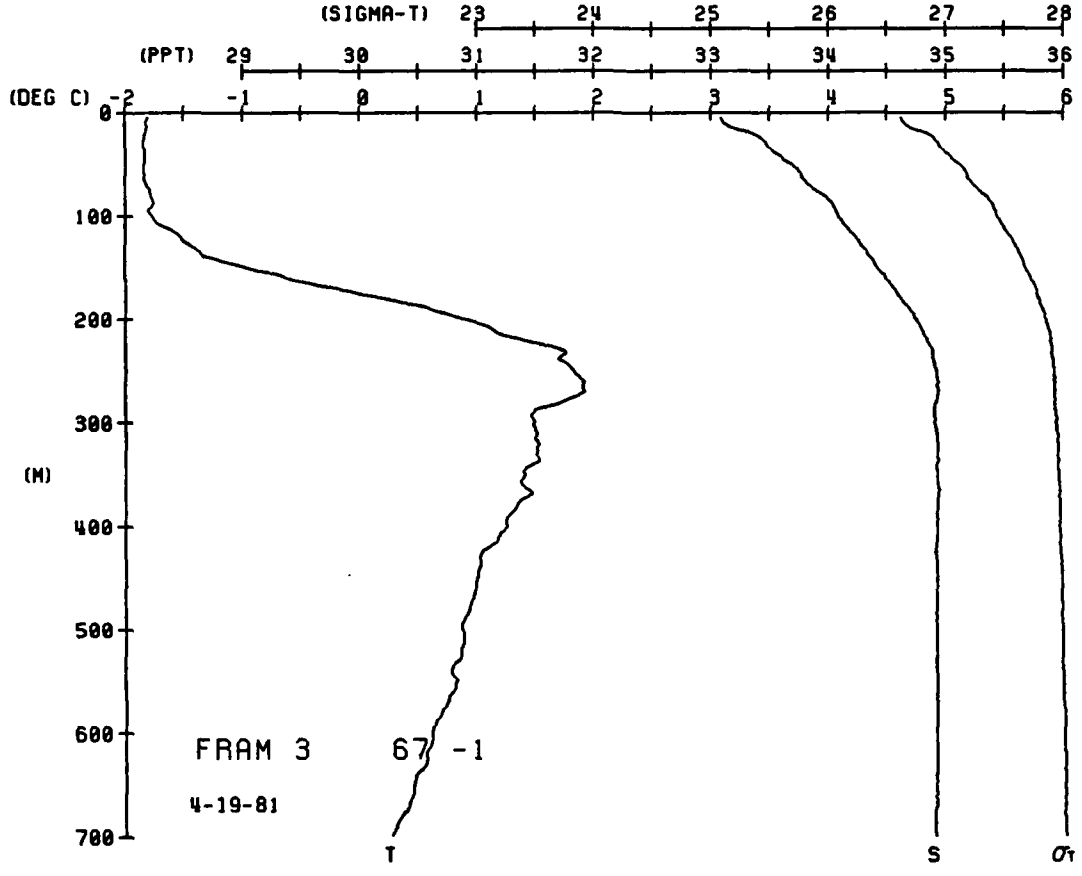
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.81	-1.81	32.38	26.05	194.5	0.000	1437.2
4.0	-1.81	-1.81	32.38	26.05	194.5	0.008	1437.3
5.0	-1.80	-1.80	32.58	26.22	179.0	0.010	1437.6
10.0	-1.77	-1.78	33.05	26.60	143.0	0.018	1438.5
15.0	-1.79	-1.80	33.19	26.64	139.2	0.025	1438.5
20.0	-1.80	-1.81	33.22	26.74	129.6	0.032	1438.7
25.0	-1.82	-1.82	33.37	26.86	117.9	0.038	1439.0
30.0	-1.82	-1.82	33.44	26.92	112.4	0.044	1439.1
35.0	-1.83	-1.83	33.47	26.93	110.7	0.050	1439.2
40.0	-1.83	-1.83	33.49	26.96	108.6	0.055	1439.3
45.0	-1.83	-1.83	33.58	27.03	101.8	0.060	1439.5
50.0	-1.85	-1.85	33.65	27.08	96.6	0.065	1439.6
55.0	-1.84	-1.84	33.70	27.12	92.9	0.070	1439.8
60.0	-1.84	-1.84	33.73	27.15	90.3	0.075	1440.0
65.0	-1.83	-1.83	33.78	27.19	86.7	0.079	1440.1
70.0	-1.81	-1.81	33.84	27.24	81.8	0.084	1440.4
75.0	-1.78	-1.78	33.91	27.29	76.5	0.088	1440.7
80.0	-1.75	-1.75	33.98	27.35	71.4	0.091	1441.0
85.0	-1.74	-1.74	34.02	27.39	67.7	0.095	1441.3
90.0	-1.75	-1.75	34.06	27.41	64.9	0.098	1441.3
95.0	-1.79	-1.79	34.08	27.43	63.2	0.101	1441.2
100.0	-1.76	-1.77	34.11	27.45	61.1	0.105	1441.5
110.0	-1.62	-1.62	34.17	27.50	56.4	0.110	1442.5
120.0	-1.52	-1.52	34.24	27.56	51.1	0.116	1443.2
130.0	-1.56	-1.57	34.30	27.60	46.8	0.121	1443.2
140.0	-1.35	-1.35	34.37	27.65	42.3	0.125	1444.5
150.0	-0.97	-0.98	34.42	27.69	39.2	0.130	1446.5
160.0	-0.59	-0.59	34.49	27.72	35.8	0.133	1448.5
170.0	-0.28	-0.29	34.56	27.76	32.2	0.137	1450.2
180.0	0.11	0.10	34.63	27.80	29.1	0.140	1452.3
190.0	0.59	0.58	34.71	27.84	25.8	0.143	1454.7
200.0	0.82	0.81	34.75	27.86	23.9	0.145	1456.0
210.0	1.81	1.80	34.88	27.89	21.2	0.147	1460.7
220.0	2.06	2.05	34.91	27.90	21.1	0.150	1462.1
230.0	1.96	1.95	34.90	27.90	20.9	0.152	1461.8
240.0	1.85	1.84	34.91	27.91	19.3	0.154	1461.5
250.0	2.07	2.05	34.95	27.92	18.6	0.156	1462.6
260.0	2.14	2.13	34.96	27.93	18.1	0.157	1463.1
270.0	1.95	1.94	34.95	27.93	17.8	0.159	1462.4
280.0	1.96	1.94	34.95	27.93	17.8	0.161	1462.6
290.0	1.87	1.86	34.94	27.94	17.4	0.163	1462.4
300.0	1.83	1.81	34.95	27.95	16.6	0.165	1462.4
310.0	1.80	1.78	34.95	27.95	16.3	0.166	1462.4
320.0	1.88	1.86	34.96	27.95	16.0	0.168	1463.0
330.0	1.76	1.74	34.95	27.95	15.9	0.170	1462.6
340.0	1.71	1.69	34.95	27.95	15.8	0.171	1462.5
350.0	1.60	1.59	34.94	27.96	15.6	0.173	1462.2
360.0	1.55	1.53	34.94	27.96	15.3	0.174	1462.2
370.0	1.49	1.47	34.94	27.96	15.2	0.176	1462.0
380.0	1.34	1.32	34.93	27.96	14.8	0.177	1461.6
390.0	1.37	1.35	34.94	27.97	14.2	0.179	1461.8
400.0	1.34	1.32	34.94	27.97	14.1	0.180	1461.9
410.0	1.18	1.16	34.92	27.97	14.1	0.182	1461.3
420.0	1.01	0.99	34.91	27.98	13.5	0.183	1460.7
430.0	1.05	1.03	34.92	27.98	13.3	0.184	1461.1
440.0	1.03	1.01	34.92	27.98	13.2	0.186	1461.2
450.0	1.01	0.98	34.92	27.98	12.7	0.187	1461.2
460.0	0.99	0.97	34.92	27.99	12.6	0.188	1461.3
470.0	0.96	0.94	34.92	27.98	12.6	0.190	1461.3
480.0	0.94	0.91	34.92	27.99	12.6	0.191	1461.4
490.0	0.89	0.87	34.92	27.99	12.3	0.192	1461.4
500.0	0.87	0.85	34.92	27.99	12.1	0.193	1461.4
530.0	0.80	0.77	34.92	27.99	11.7	0.197	1461.6
560.0	0.82	0.79	34.93	28.00	11.1	0.201	1462.2
590.0	0.71	0.68	34.92	28.00	10.9	0.204	1462.2
620.0	0.56	0.53	34.92	28.01	10.2	0.207	1462.0
650.0	0.48	0.45	34.92	28.01	9.5	0.210	1462.2
680.0	0.40	0.36	34.91	28.02	9.3	0.213	1462.3
710.0	0.28	0.25	34.91	28.02	8.5	0.216	1462.3
740.0	0.19	0.16	34.91	28.02	8.3	0.218	1462.4
790.0	0.08	0.04	34.90	28.02	7.8	0.222	1462.7
840.0	-0.01	-0.05	34.90	28.03	7.1	0.226	1463.1
890.0	-0.09	-0.13	34.90	28.03	7.0	0.230	1463.6
940.0	-0.17	-0.21	34.89	28.03	6.7	0.233	1464.0
990.0	-0.22	-0.27	34.89	28.03	6.4	0.236	1464.6
1040.0	-0.28	-0.32	34.89	28.03	6.2	0.240	1465.2
1090.0	-0.32	-0.37	34.89	28.03	5.7	0.243	1465.9
1140.0	-0.37	-0.42	34.88	28.03	5.7	0.246	1466.5
1190.0	-0.41	-0.46	34.88	28.03	5.6	0.248	1467.2
1240.0	-0.45	-0.50	34.88	28.03	5.1	0.251	1467.8
1290.0	-0.49	-0.54	34.88	28.03	5.0	0.254	1468.5
1340.0	-0.52	-0.58	34.88	28.04	4.6	0.256	1469.2
1390.0	-0.56	-0.62	34.88	28.03	4.5	0.258	1469.9
1440.0	-0.58	-0.65	34.88	28.04	4.1	0.261	1470.6
1490.0	-0.60	-0.67	34.87	28.03	4.3	0.263	1471.3
1540.0	-0.63	-0.70	34.87	28.03	4.0	0.265	1472.1
1590.0	-0.65	-0.72	34.87	28.03	4.0	0.267	1472.8
1640.0	-0.67	-0.75	34.87	28.04	3.4	0.269	1473.6
1690.0	-0.69	-0.77	34.87	28.04	3.3	0.271	1474.3
1740.0	-0.72	-0.80	34.87	28.04	2.9	0.272	1475.1
1790.0	-0.73	-0.81	34.87	28.04	2.5	0.274	1475.9
1840.0	-0.75	-0.84	34.89	28.05	1.0	0.274	1476.7
1890.0	-0.76	-0.85	34.89	28.06	0.7	0.275	1477.5
1940.0	-0.77	-0.86	34.89	28.05	0.8	0.275	1478.3
1990.0	-0.79	-0.88	34.89	28.05	0.6	0.276	1479.1
2040.0	-0.79	-0.88	34.89	28.05	0.6	0.276	1479.9
2090.0	-0.80	-0.90	34.89	28.05	0.3	0.276	1480.7
2140.0	-0.80	-0.91	34.89	28.05	0.2	0.276	1481.6
2190.0	-0.81	-0.91	34.89	28.05	-0.1	0.276	1482.4
2240.0	-0.81	-0.92	34.89	28.05	-0.2	0.276	1483.3
2290.0	-0.81	-0.93	34.89	28.06	-0.6	0.276	1484.1
2340.0	-0.81	-0.93	34.89	28.06	-0.6	0.276	1485.0
2390.0	-0.82	-0.94	34.89	28.06	-1.0	0.275	1485.8
2440.0	-0.81	-0.94	34.89	28.06	-0.7	0.275	1486.7
2490.0	-0.81	-0.95	34.89	28.06	-0.9	0.275	1487.6
2540.0	-0.81	-0.95	34.89	28.06	-1.2	0.274	1488.4
2590.0	-0.81	-0.95	34.89	28.06	-1.4	0.273	1489.3
2640.0	-0.81	-0.96	34.90	28.06	-1.8	0.273	1490.2
2690.0	-0.81	-0.96	34.89	28.06	-1.7	0.272	1491.1
2740.0	-0.81	-0.96	34.90	28.06	-2.2	0.271	1492.0
2790.0	-0.81	-0.96	34.90	28.07	-2.3	0.270	1492.9
2840.0	-0.80	-0.96	34.90	28.06	-2.3	0.268	1493.7
2890.0	-0.80	-0.96	34.90	28.06	-2.3	0.267	1494.6
2940.0	-0.79	-0.96	34.90	28.06	-2.3	0.266	1495.5
2990.0	-0.79	-0.96	34.90	28.07	-2.6	0.265	1496.4
3040.0	-0.78	-0.96	34.90	28.07	-2.6	0.263	1497.3
3090.0	-0.77	-0.95	34.90	28.07	-2.7	0.262	1498.2
3140.0	-0.77	-0.96	34.91	28.07	-3.1	0.261	1499.1
3190.0	-0.77	-0.96	34.91	28.07	-3.3	0.259	1500.0
3240.0	-0.76	-0.96	34.91	28.07	-3.4	0.257	1500.9
3290.0	-0.76	-0.96	34.91	28.07	-3.4	0.255	1501.8
3340.0	-0.75	-0.96	34.91	28.07	-3.7	0.254	1502.8
3390.0	-0.75	-0.96	34.91	28.07	-3.7	0.252	1503.7
3440.0	-0.75	-0.96	34.92	28.08	-3.9	0.250	1504.6
3490.0	-0.74	-0.96	34.92	28.08	-4.1	0.248	1505.5
3540.0	-0.74	-0.96	34.92	28.08	-4.2	0.246	1506.4
3558.7	-0.73	-0.95	34.92	28.07	-4.0	0.245	1506.7

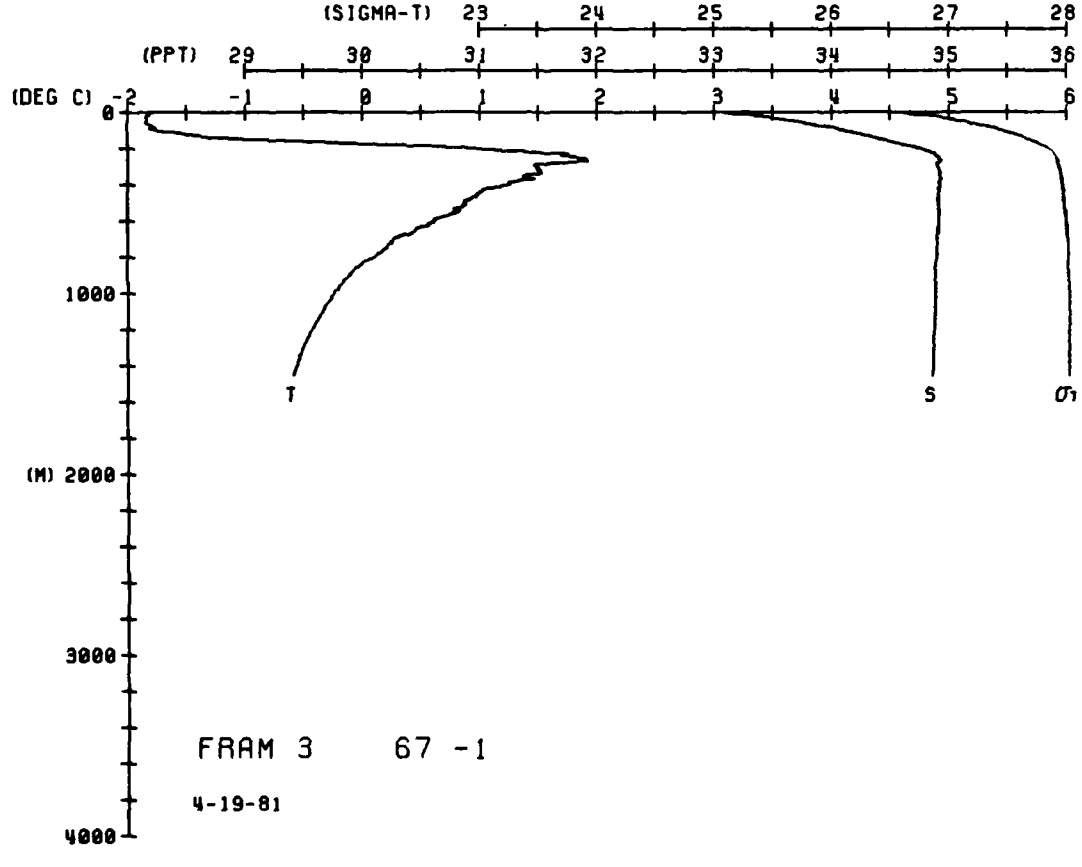

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
FRAM 3 66 -1
4-19-81
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FRAM 3 STATION 67(1) CTD 19/APR/1981 1939 GMT CODE = 5
LAT = 82.8012N LNG = 6.7262E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

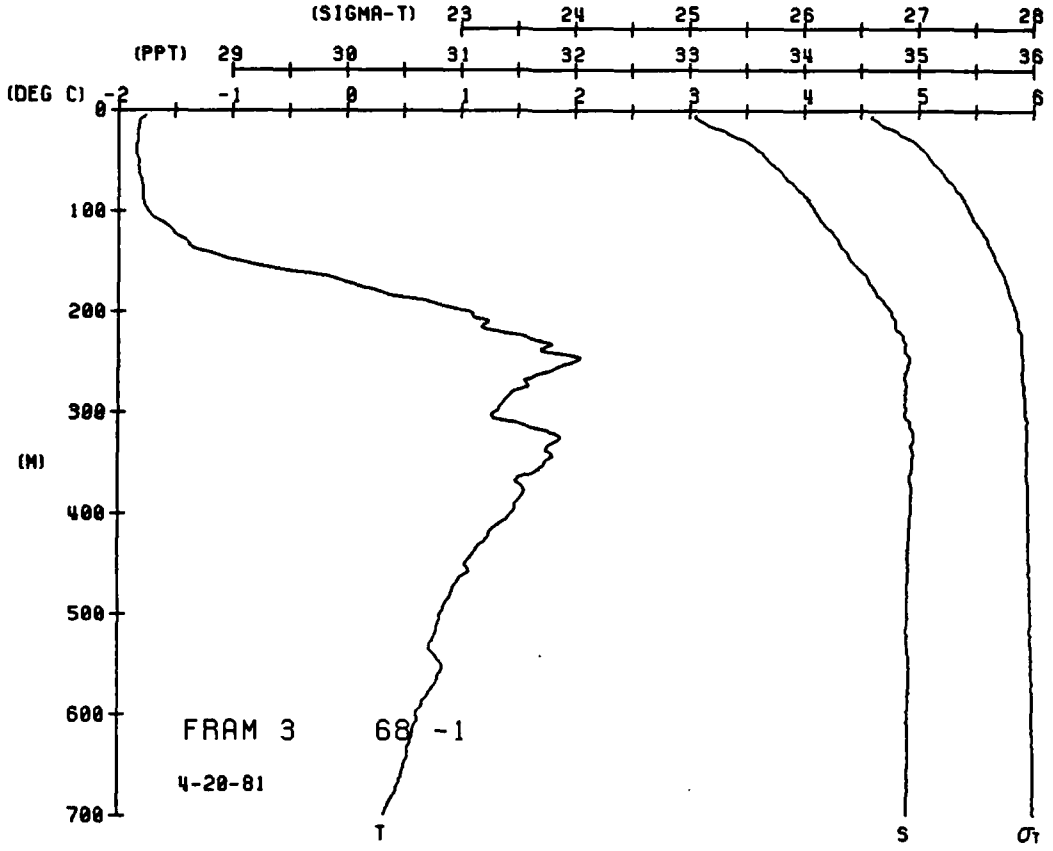
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.08	26.62	140.6	0.000	1438.2
4.0	-1.79	-1.80	33.08	26.62	140.6	0.006	1438.3
5.0	-1.80	-1.80	33.09	26.63	140.1	0.007	1438.3
10.0	-1.82	-1.82	33.12	26.65	137.6	0.014	1438.4
15.0	-1.81	-1.81	33.19	26.71	132.0	0.021	1438.6
20.0	-1.83	-1.83	33.35	26.84	119.9	0.027	1438.8
25.0	-1.84	-1.84	33.44	26.91	113.0	0.033	1439.0
30.0	-1.84	-1.84	33.48	26.94	110.0	0.039	1439.1
35.0	-1.84	-1.84	33.51	26.97	107.6	0.044	1439.2
40.0	-1.84	-1.84	33.57	27.02	102.9	0.050	1439.4
45.0	-1.84	-1.84	33.62	27.06	98.5	0.055	1439.6
50.0	-1.84	-1.84	33.68	27.11	93.9	0.060	1439.7
55.0	-1.85	-1.85	33.74	27.16	89.2	0.064	1439.9
60.0	-1.84	-1.84	33.76	27.18	87.6	0.069	1440.0
65.0	-1.83	-1.83	33.80	27.20	85.1	0.073	1440.2
70.0	-1.81	-1.81	33.84	27.24	81.4	0.077	1440.4
75.0	-1.79	-1.79	33.90	27.28	77.4	0.081	1440.7
80.0	-1.78	-1.78	33.96	27.34	72.2	0.085	1440.9
85.0	-1.76	-1.76	34.01	27.38	68.6	0.089	1441.1
90.0	-1.77	-1.78	34.05	27.41	65.6	0.092	1441.2
95.0	-1.79	-1.80	34.07	27.42	64.1	0.095	1441.2
100.0	-1.76	-1.77	34.09	27.44	62.1	0.098	1441.5
110.0	-1.68	-1.68	34.15	27.49	57.7	0.105	1442.1
120.0	-1.53	-1.54	34.23	27.55	52.2	0.110	1443.1
130.0	-1.42	-1.42	34.30	27.60	47.1	0.115	1443.9
140.0	-1.27	-1.28	34.36	27.65	42.7	0.120	1444.8
150.0	-0.96	-0.96	34.42	27.68	39.6	0.124	1446.5
160.0	-0.62	-0.62	34.49	27.73	35.5	0.128	1448.4
170.0	-0.21	-0.22	34.56	27.76	32.3	0.131	1450.5
180.0	0.21	0.20	34.62	27.79	30.4	0.134	1452.7
190.0	0.60	0.60	34.69	27.82	27.2	0.137	1454.8
200.0	0.90	0.89	34.75	27.85	24.7	0.140	1456.3
210.0	1.14	1.13	34.80	27.87	22.5	0.142	1457.7
220.0	1.40	1.39	34.84	27.89	21.2	0.144	1459.1
230.0	1.75	1.74	34.89	27.90	20.4	0.147	1460.8
240.0	1.72	1.71	34.90	27.91	19.6	0.149	1460.9
250.0	1.83	1.82	34.92	27.92	18.8	0.150	1461.5
260.0	1.91	1.90	34.93	27.92	18.7	0.152	1462.1
270.0	1.92	1.91	34.94	27.93	18.4	0.154	1462.3
280.0	1.73	1.72	34.92	27.93	18.0	0.156	1461.6
290.0	1.48	1.46	34.90	27.93	17.5	0.158	1460.6
300.0	1.49	1.48	34.91	27.93	17.3	0.160	1460.9
310.0	1.50	1.49	34.92	27.95	16.4	0.161	1461.1
320.0	1.53	1.51	34.93	27.95	16.2	0.163	1461.4
330.0	1.51	1.49	34.93	27.95	16.0	0.165	1461.5
340.0	1.49	1.47	34.92	27.95	16.2	0.166	1461.5
350.0	1.41	1.39	34.93	27.96	15.2	0.168	1461.3
360.0	1.39	1.37	34.93	27.96	14.8	0.169	1461.4
370.0	1.46	1.44	34.93	27.96	15.2	0.171	1461.9
380.0	1.34	1.32	34.92	27.96	15.0	0.172	1461.5
390.0	1.26	1.24	34.92	27.96	14.8	0.174	1461.4
400.0	1.26	1.24	34.92	27.97	14.5	0.175	1461.5
410.0	1.19	1.17	34.92	27.97	14.0	0.177	1461.3
420.0	1.11	1.08	34.92	27.97	14.0	0.178	1461.1
430.0	1.03	1.01	34.92	27.98	13.4	0.180	1461.0
440.0	1.01	0.99	34.92	27.98	13.3	0.181	1461.1
450.0	1.00	0.97	34.92	27.98	13.0	0.182	1461.2
460.0	0.99	0.96	34.92	27.98	13.0	0.184	1461.3
470.0	0.97	0.94	34.92	27.98	13.1	0.185	1461.4
480.0	0.93	0.91	34.92	27.99	12.5	0.186	1461.4
490.0	0.89	0.87	34.92	27.99	12.6	0.188	1461.3
500.0	0.88	0.85	34.92	27.99	12.2	0.189	1461.5
530.0	0.85	0.82	34.92	27.99	12.2	0.193	1461.8
560.0	0.79	0.76	34.93	28.00	11.1	0.196	1462.1
590.0	0.64	0.61	34.92	28.00	10.7	0.199	1461.9
620.0	0.56	0.54	34.92	28.01	10.0	0.203	1462.1
650.0	0.46	0.42	34.91	28.01	9.8	0.206	1462.1
680.0	0.35	0.32	34.91	28.01	9.6	0.208	1462.1
710.0	0.25	0.22	34.90	28.01	9.2	0.211	1462.1
740.0	0.22	0.18	34.91	28.02	8.7	0.214	1462.5
790.0	0.12	0.09	34.90	28.02	8.3	0.218	1462.9
840.0	0.00	-0.04	34.90	28.02	7.8	0.222	1463.1
890.0	-0.09	-0.13	34.90	28.03	7.2	0.226	1463.6
940.0	-0.17	-0.21	34.89	28.03	7.1	0.230	1464.1
990.0	-0.23	-0.27	34.89	28.03	6.4	0.233	1464.6
1040.0	-0.27	-0.32	34.89	28.03	6.2	0.237	1465.2
1090.0	-0.32	-0.37	34.88	28.03	6.2	0.240	1465.8
1140.0	-0.38	-0.43	34.88	28.03	5.7	0.243	1466.5
1190.0	-0.42	-0.47	34.88	28.03	5.7	0.246	1467.1
1240.0	-0.46	-0.51	34.88	28.03	5.5	0.249	1467.8
1290.0	-0.50	-0.55	34.88	28.03	5.2	0.251	1468.4
1340.0	-0.52	-0.58	34.87	28.03	5.2	0.254	1469.1
1390.0	-0.55	-0.61	34.87	28.03	5.2	0.257	1469.9
1440.0	-0.58	-0.64	34.87	28.03	4.8	0.259	1470.6
1457.0	-0.58	-0.65	34.87	28.03	4.9	0.260	1470.9

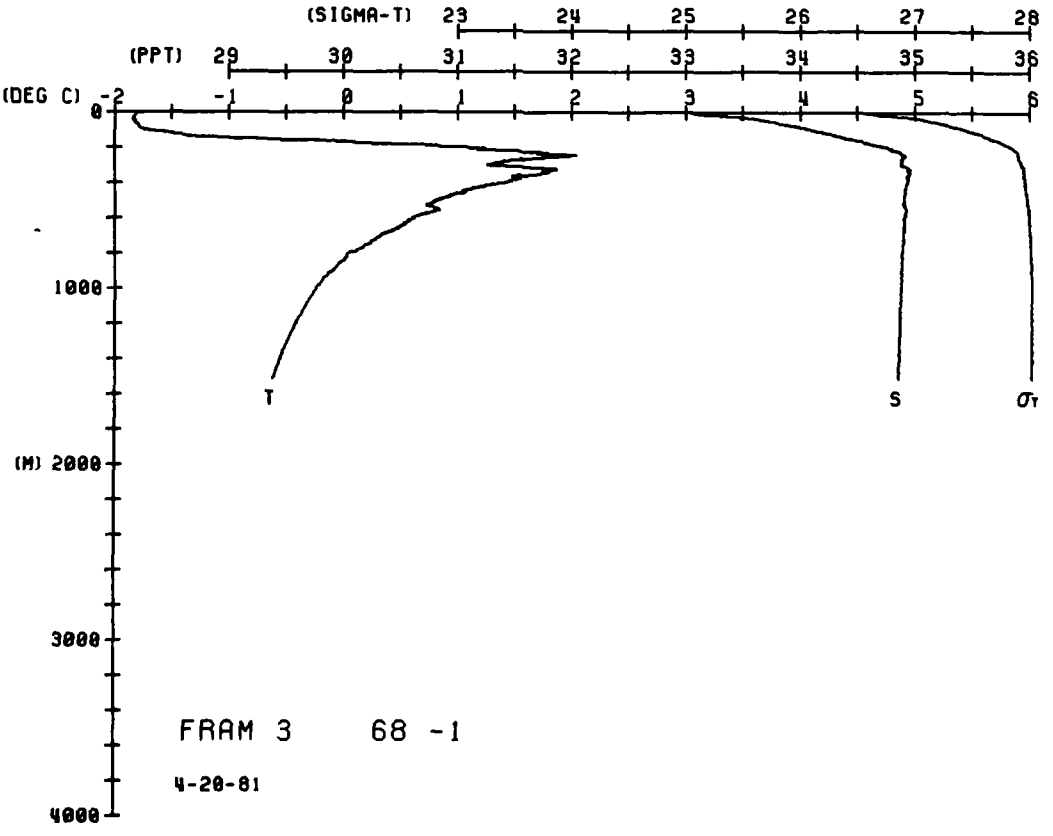

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 67 -1
4-19-81

FRAM 3 STATION 68(1) CTD 20/APR/1981 811 GMT CODE = 5
LAT = 82.7772N LNG = 6.6670E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

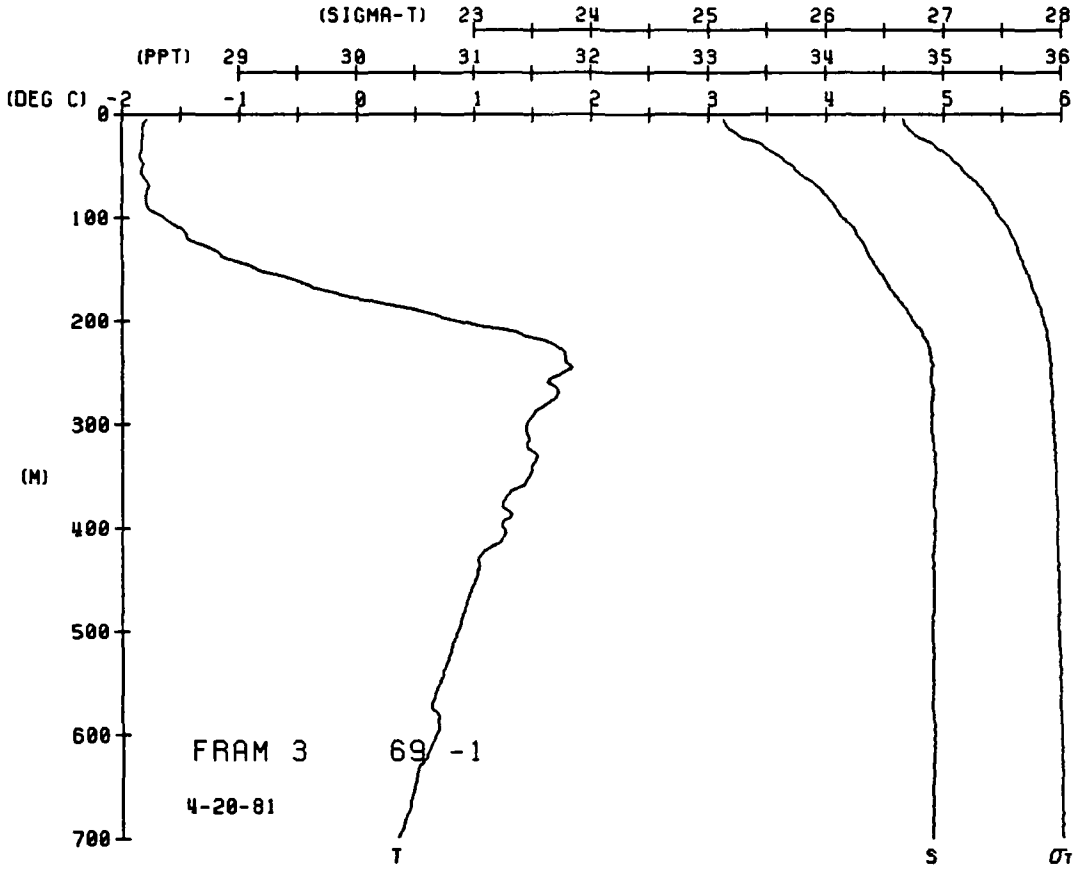
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	33.07	26.61	141.8	0.000	1438.5
4.0	-1.74	-1.74	33.07	26.61	141.8	0.006	1438.6
5.0	-1.76	-1.76	33.06	26.60	142.4	0.007	1438.5
10.0	-1.81	-1.81	33.11	26.64	138.7	0.014	1438.4
15.0	-1.82	-1.82	33.18	26.70	133.2	0.021	1438.5
20.0	-1.83	-1.83	33.31	26.81	122.9	0.028	1438.8
25.0	-1.83	-1.83	33.38	26.86	117.7	0.034	1438.9
30.0	-1.83	-1.83	33.49	26.95	109.1	0.039	1439.1
35.0	-1.84	-1.84	33.56	27.01	103.7	0.045	1439.3
40.0	-1.84	-1.84	33.61	27.05	99.5	0.050	1439.4
45.0	-1.83	-1.83	33.66	27.09	95.9	0.055	1439.6
50.0	-1.82	-1.82	33.69	27.12	93.3	0.060	1439.8
55.0	-1.83	-1.83	33.75	27.16	88.9	0.064	1440.0
60.0	-1.82	-1.82	33.80	27.20	85.1	0.069	1440.1
65.0	-1.81	-1.81	33.83	27.23	82.5	0.073	1440.3
70.0	-1.79	-1.80	33.88	27.27	79.0	0.077	1440.5
75.0	-1.79	-1.79	33.93	27.31	75.0	0.081	1440.7
80.0	-1.78	-1.79	33.96	27.34	72.4	0.085	1440.9
85.0	-1.79	-1.79	34.01	27.38	68.6	0.088	1441.0
90.0	-1.77	-1.78	34.05	27.41	65.4	0.092	1441.2
95.0	-1.76	-1.76	34.08	27.43	63.1	0.095	1441.4
100.0	-1.73	-1.73	34.11	27.45	61.3	0.098	1441.7
110.0	-1.63	-1.63	34.18	27.50	57.1	0.104	1442.4
120.0	-1.51	-1.52	34.25	27.56	51.1	0.109	1443.2
130.0	-1.39	-1.39	34.31	27.60	46.9	0.114	1444.1
140.0	-1.23	-1.23	34.37	27.65	42.3	0.119	1445.0
150.0	-0.91	-0.92	34.42	27.68	39.7	0.123	1446.8
160.0	-0.42	-0.42	34.51	27.73	34.9	0.127	1449.3
170.0	-0.01	-0.02	34.57	27.76	32.6	0.130	1451.5
180.0	0.30	0.29	34.63	27.79	29.9	0.133	1453.1
190.0	0.73	0.73	34.71	27.83	26.8	0.136	1455.4
200.0	1.10	1.09	34.77	27.85	24.4	0.139	1457.3
210.0	1.24	1.23	34.81	27.87	22.6	0.141	1458.1
220.0	1.36	1.35	34.85	27.90	20.3	0.143	1458.9
230.0	1.76	1.74	34.89	27.90	20.2	0.145	1460.8
240.0	1.77	1.75	34.89	27.90	20.2	0.147	1461.1
250.0	1.97	1.96	34.92	27.91	19.9	0.149	1462.2
260.0	1.73	1.72	34.90	27.91	19.7	0.151	1461.2
270.0	1.58	1.57	34.90	27.92	18.5	0.153	1460.7
280.0	1.44	1.43	34.89	27.93	17.9	0.155	1460.3
290.0	1.37	1.35	34.89	27.93	17.5	0.157	1460.1
300.0	1.29	1.28	34.89	27.94	17.0	0.159	1460.0
310.0	1.51	1.49	34.93	27.95	15.6	0.160	1461.1
320.0	1.82	1.80	34.96	27.96	15.7	0.162	1462.7
330.0	1.80	1.78	34.95	27.95	16.5	0.164	1462.8
340.0	1.79	1.77	34.97	27.96	15.3	0.165	1462.9
350.0	1.74	1.72	34.95	27.96	15.8	0.167	1462.8
360.0	1.62	1.60	34.94	27.95	16.0	0.168	1462.5
370.0	1.51	1.50	34.94	27.96	15.0	0.170	1462.2
380.0	1.55	1.53	34.95	27.96	15.1	0.172	1462.5
390.0	1.48	1.46	34.94	27.97	14.7	0.173	1462.3
400.0	1.44	1.42	34.94	27.97	14.6	0.175	1462.3
410.0	1.35	1.33	34.93	27.97	14.5	0.176	1462.1
420.0	1.25	1.22	34.93	27.97	14.2	0.177	1461.8
430.0	1.18	1.16	34.92	27.97	14.1	0.179	1461.7
440.0	1.11	1.09	34.92	27.97	13.9	0.180	1461.5
450.0	1.04	1.02	34.92	27.98	13.2	0.182	1461.4
460.0	1.04	1.02	34.92	27.98	13.6	0.183	1461.5
470.0	0.95	0.93	34.91	27.98	13.1	0.184	1461.3
480.0	0.92	0.89	34.91	27.98	12.8	0.186	1461.3
490.0	0.86	0.84	34.91	27.98	12.6	0.187	1461.2
500.0	0.82	0.80	34.91	27.99	12.4	0.188	1461.2
530.0	0.73	0.71	34.91	27.99	11.8	0.192	1461.3
560.0	0.81	0.78	34.93	28.00	11.4	0.195	1462.2
590.0	0.66	0.64	34.92	28.00	11.0	0.199	1462.0
620.0	0.58	0.55	34.92	28.01	10.3	0.202	1462.1
650.0	0.50	0.47	34.92	28.01	9.8	0.205	1462.3
680.0	0.42	0.39	34.91	28.01	9.8	0.208	1462.4
710.0	0.32	0.28	34.91	28.02	8.9	0.211	1462.4
740.0	0.25	0.21	34.91	28.02	8.6	0.214	1462.6
790.0	0.12	0.09	34.90	28.02	8.4	0.218	1462.9
840.0	0.01	-0.03	34.89	28.02	8.1	0.222	1463.2
890.0	-0.06	-0.10	34.89	28.02	7.5	0.226	1463.7
940.0	-0.16	-0.20	34.89	28.03	7.1	0.230	1464.1
990.0	-0.22	-0.27	34.89	28.03	6.9	0.233	1464.6
1040.0	-0.27	-0.32	34.88	28.03	6.7	0.237	1465.3
1090.0	-0.31	-0.36	34.88	28.03	6.3	0.240	1465.9
1140.0	-0.36	-0.41	34.88	28.03	6.0	0.243	1466.5
1190.0	-0.41	-0.46	34.88	28.03	5.8	0.246	1467.2
1240.0	-0.44	-0.50	34.88	28.03	5.4	0.249	1467.8
1290.0	-0.48	-0.54	34.87	28.03	5.5	0.252	1468.5
1340.0	-0.52	-0.58	34.87	28.03	5.1	0.255	1469.2
1390.0	-0.55	-0.61	34.87	28.03	5.1	0.257	1469.9
1440.0	-0.57	-0.64	34.87	28.03	4.9	0.260	1470.6
1490.0	-0.61	-0.67	34.86	28.03	4.9	0.262	1471.3
1517.9	-0.62	-0.69	34.87	28.03	4.2	0.264	1471.7

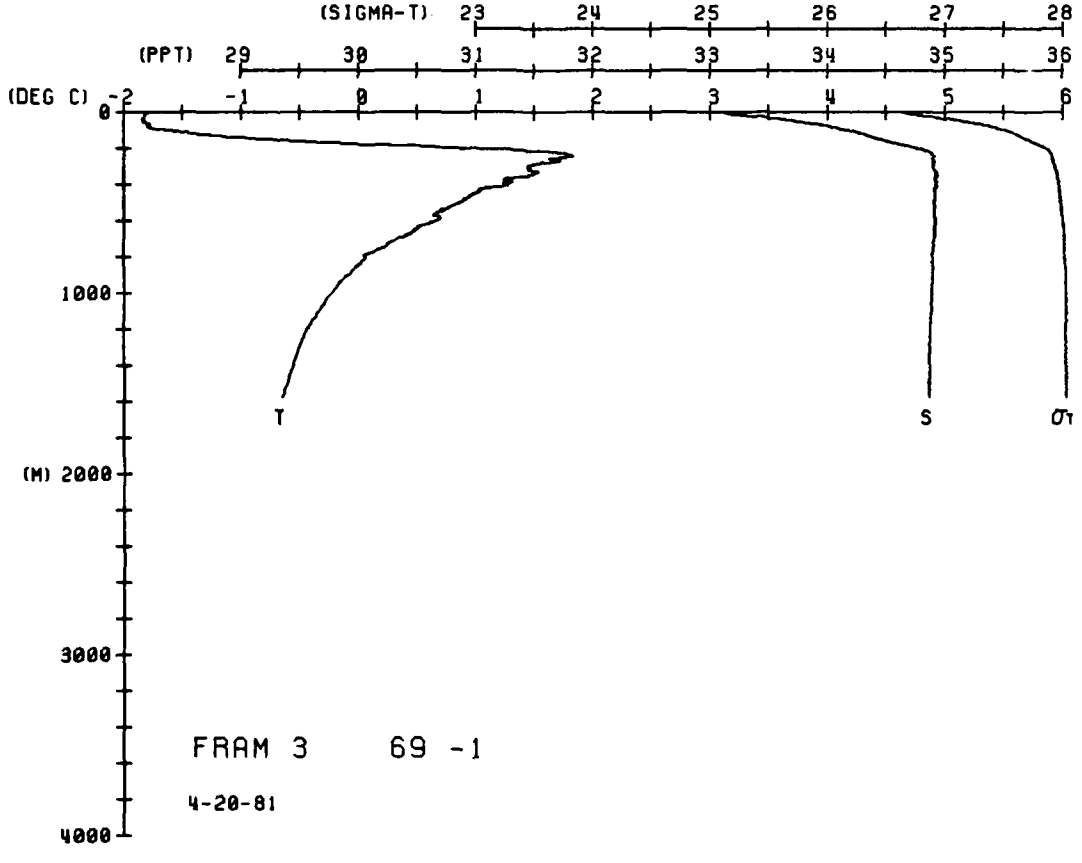

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 68 -1
4-20-81
T
S
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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4000
FRAM 3 68 -1
4-20-81
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FRAM 3 STATION 69(1) CTD 20/APR/1981 1355 GMT CODE = 5
LAT = 82.7375N LNG = 6.6368E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	33.12	26.65	138.1	0.000	1438.4
4.0	-1.78	-1.78	33.12	26.65	138.1	0.006	1438.4
5.0	-1.79	-1.79	33.12	26.66	137.4	0.007	1438.4
10.0	-1.81	-1.81	33.16	26.68	134.8	0.014	1438.4
15.0	-1.82	-1.82	33.20	26.72	131.4	0.021	1438.6
20.0	-1.82	-1.82	33.26	26.77	126.8	0.027	1438.7
25.0	-1.83	-1.83	33.36	26.85	119.1	0.033	1438.9
30.0	-1.83	-1.83	33.46	26.93	110.9	0.039	1439.1
35.0	-1.83	-1.83	33.52	26.98	106.3	0.045	1439.3
40.0	-1.84	-1.84	33.61	27.05	99.7	0.050	1439.4
45.0	-1.82	-1.82	33.66	27.09	95.6	0.055	1439.7
50.0	-1.83	-1.83	33.72	27.14	91.1	0.059	1439.8
55.0	-1.84	-1.84	33.75	27.17	88.5	0.064	1439.9
60.0	-1.82	-1.82	33.81	27.22	83.6	0.068	1440.2
65.0	-1.79	-1.79	33.88	27.27	78.9	0.073	1440.5
70.0	-1.77	-1.78	33.93	27.31	74.5	0.076	1440.7
75.0	-1.78	-1.79	33.97	27.34	71.8	0.080	1440.8
80.0	-1.79	-1.80	34.02	27.38	68.2	0.084	1440.9
85.0	-1.79	-1.80	34.06	27.41	64.9	0.087	1441.0
90.0	-1.77	-1.77	34.09	27.44	62.3	0.090	1441.3
95.0	-1.71	-1.72	34.11	27.46	60.8	0.093	1441.7
100.0	-1.63	-1.63	34.15	27.49	58.1	0.096	1442.2
110.0	-1.50	-1.51	34.24	27.56	51.5	0.102	1443.1
120.0	-1.44	-1.44	34.29	27.59	47.8	0.107	1443.6
130.0	-1.23	-1.24	34.35	27.63	44.3	0.112	1444.8
140.0	-1.09	-1.10	34.39	27.66	41.3	0.116	1445.7
150.0	-0.85	-0.85	34.44	27.69	38.5	0.120	1447.1
160.0	-0.53	-0.54	34.51	27.73	35.0	0.124	1448.8
170.0	-0.29	-0.30	34.56	27.77	31.9	0.127	1450.2
180.0	0.08	0.07	34.63	27.80	28.6	0.130	1452.1
190.0	0.53	0.52	34.69	27.83	26.4	0.133	1454.4
200.0	0.87	0.86	34.75	27.85	24.2	0.135	1456.2
210.0	1.34	1.33	34.82	27.88	22.0	0.138	1458.6
220.0	1.64	1.63	34.87	27.89	21.1	0.140	1460.1
230.0	1.78	1.77	34.89	27.90	20.4	0.142	1460.9
240.0	1.78	1.77	34.90	27.91	19.8	0.144	1461.1
250.0	1.76	1.75	34.90	27.91	19.3	0.146	1461.2
260.0	1.64	1.63	34.90	27.92	18.6	0.148	1460.9
270.0	1.72	1.71	34.92	27.93	18.2	0.150	1461.4
280.0	1.63	1.61	34.90	27.92	18.6	0.152	1461.1
290.0	1.51	1.49	34.91	27.94	17.3	0.153	1460.8
300.0	1.45	1.43	34.90	27.94	17.3	0.155	1460.7
310.0	1.46	1.44	34.91	27.94	17.0	0.157	1460.9
320.0	1.45	1.43	34.92	27.95	16.2	0.159	1461.0
330.0	1.53	1.52	34.93	27.95	15.9	0.160	1461.6
340.0	1.50	1.48	34.93	27.95	15.7	0.162	1461.6
350.0	1.47	1.45	34.93	27.96	15.5	0.163	1461.6
360.0	1.41	1.39	34.92	27.96	15.4	0.165	1461.5
370.0	1.27	1.25	34.92	27.96	14.8	0.167	1461.1
380.0	1.25	1.23	34.92	27.97	14.4	0.168	1461.1
390.0	1.30	1.28	34.93	27.97	14.6	0.169	1461.5
400.0	1.25	1.23	34.93	27.97	14.1	0.171	1461.5
410.0	1.25	1.22	34.93	27.97	13.9	0.172	1461.6
420.0	1.12	1.10	34.92	27.97	14.0	0.174	1461.2
430.0	1.03	1.01	34.91	27.97	13.8	0.175	1461.0
440.0	1.03	1.01	34.92	27.98	13.5	0.177	1461.2
450.0	1.01	0.99	34.92	27.98	13.1	0.178	1461.2
460.0	0.97	0.95	34.92	27.98	13.0	0.179	1461.2
470.0	0.94	0.92	34.92	27.98	12.8	0.181	1461.2
480.0	0.92	0.89	34.91	27.98	12.8	0.182	1461.3
490.0	0.89	0.87	34.91	27.98	12.7	0.183	1461.3
500.0	0.86	0.83	34.92	27.99	12.3	0.184	1461.4
530.0	0.76	0.74	34.91	27.99	12.0	0.188	1461.4
560.0	0.67	0.64	34.91	28.00	11.3	0.192	1461.5
590.0	0.69	0.67	34.92	28.00	10.7	0.195	1462.1
620.0	0.59	0.56	34.92	28.01	10.2	0.198	1462.2
650.0	0.49	0.46	34.92	28.01	9.8	0.201	1462.2
680.0	0.41	0.38	34.92	28.01	9.4	0.204	1462.4
710.0	0.31	0.28	34.91	28.02	9.1	0.207	1462.4
740.0	0.24	0.21	34.91	28.02	8.7	0.210	1462.6
790.0	0.06	0.02	34.89	28.02	8.4	0.214	1462.6
840.0	0.02	-0.02	34.90	28.02	7.6	0.218	1463.2
890.0	-0.06	-0.10	34.90	28.02	7.4	0.222	1463.7
940.0	-0.16	-0.20	34.89	28.03	7.0	0.226	1464.1
990.0	-0.21	-0.25	34.89	28.03	6.9	0.229	1464.7
1040.0	-0.28	-0.32	34.88	28.03	6.6	0.233	1465.2
1090.0	-0.32	-0.37	34.89	28.03	6.0	0.236	1465.9
1140.0	-0.38	-0.43	34.88	28.03	5.7	0.239	1466.4
1190.0	-0.43	-0.48	34.88	28.03	5.6	0.242	1467.1
1240.0	-0.46	-0.52	34.88	28.03	5.5	0.244	1467.8
1290.0	-0.50	-0.55	34.87	28.03	5.4	0.247	1468.4
1340.0	-0.52	-0.58	34.87	28.03	5.2	0.250	1469.1
1390.0	-0.55	-0.61	34.87	28.03	5.0	0.252	1469.9
1440.0	-0.58	-0.64	34.87	28.03	4.8	0.255	1470.6
1490.0	-0.61	-0.67	34.87	28.03	4.5	0.257	1471.3
1540.0	-0.63	-0.70	34.86	28.03	4.6	0.260	1472.1
1577.8	-0.64	-0.72	34.87	28.03	4.3	0.261	1472.6


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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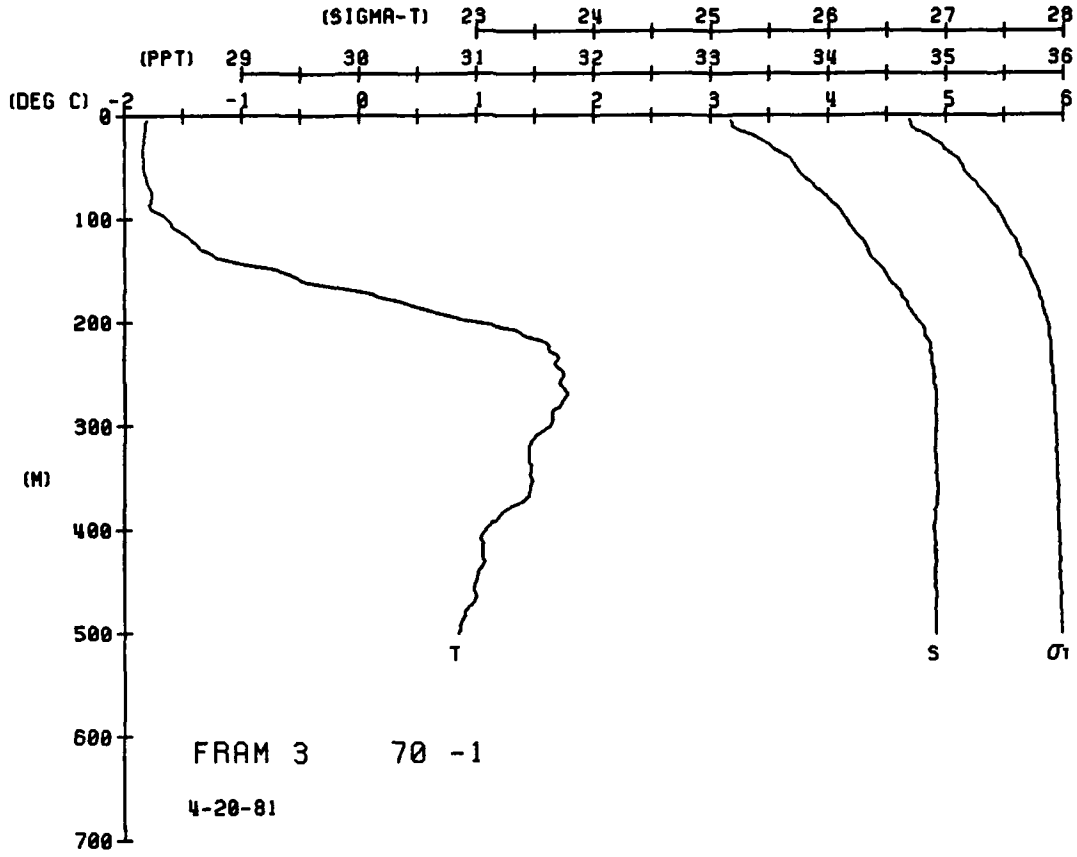

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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4000
FRAM 3 69 -1
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FRAM 3 STATION 70(1) CTD 20/APR/1981 1530 GMT CODE = 5
LAT = 82.7287N LNG = 6.6262E UTER = 30 LGER = 30
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.17	26.69	133.8	0.000	1438.3
4.0	-1.80	-1.81	33.17	26.69	133.8	0.005	1438.4
5.0	-1.81	-1.81	33.17	26.70	133.6	0.007	1438.4
10.0	-1.82	-1.82	33.19	26.71	132.0	0.013	1438.5
15.0	-1.82	-1.82	33.25	26.76	127.4	0.020	1438.6
20.0	-1.83	-1.83	33.37	26.86	118.1	0.026	1438.8
25.0	-1.84	-1.84	33.45	26.92	112.2	0.032	1439.0
30.0	-1.84	-1.84	33.51	26.97	107.1	0.038	1439.1
35.0	-1.84	-1.84	33.56	27.01	103.1	0.043	1439.3
40.0	-1.84	-1.84	33.65	27.08	96.5	0.048	1439.5
45.0	-1.84	-1.84	33.70	27.13	92.2	0.053	1439.7
50.0	-1.84	-1.84	33.73	27.15	90.1	0.057	1439.8
55.0	-1.83	-1.83	33.76	27.17	87.9	0.062	1439.9
60.0	-1.81	-1.81	33.80	27.21	84.6	0.066	1440.2
65.0	-1.80	-1.81	33.86	27.26	80.1	0.070	1440.4
70.0	-1.78	-1.78	33.90	27.29	77.1	0.074	1440.6
75.0	-1.76	-1.77	33.96	27.33	72.6	0.078	1440.9
80.0	-1.76	-1.77	34.00	27.37	69.2	0.082	1441.0
85.0	-1.78	-1.78	34.05	27.40	65.9	0.085	1441.1
90.0	-1.77	-1.77	34.10	27.45	61.9	0.088	1441.3
95.0	-1.70	-1.70	34.13	27.47	59.9	0.091	1441.7
100.0	-1.63	-1.63	34.16	27.49	57.6	0.094	1442.2
110.0	-1.56	-1.56	34.21	27.53	53.6	0.100	1442.8
120.0	-1.43	-1.43	34.29	27.59	48.1	0.105	1443.7
130.0	-1.33	-1.33	34.34	27.63	44.5	0.110	1444.4
140.0	-1.14	-1.15	34.39	27.66	41.2	0.114	1445.5
150.0	-0.69	-0.70	34.47	27.71	36.8	0.118	1447.9
160.0	-0.48	-0.48	34.52	27.75	33.8	0.122	1449.1
170.0	0.00	-0.01	34.61	27.79	29.8	0.125	1451.6
180.0	0.34	0.33	34.67	27.82	27.3	0.128	1453.3
190.0	0.64	0.63	34.72	27.84	25.5	0.130	1455.0
200.0	1.00	0.99	34.78	27.87	22.9	0.133	1456.8
210.0	1.38	1.37	34.83	27.88	22.1	0.135	1458.8
220.0	1.60	1.59	34.87	27.90	20.8	0.137	1459.9
230.0	1.66	1.65	34.88	27.90	20.1	0.139	1460.4
240.0	1.67	1.66	34.88	27.90	20.1	0.141	1460.6
250.0	1.75	1.74	34.91	27.92	19.1	0.143	1461.2
260.0	1.72	1.71	34.91	27.92	18.8	0.145	1461.2
270.0	1.78	1.76	34.92	27.92	18.7	0.147	1461.6
280.0	1.72	1.70	34.92	27.93	18.1	0.149	1461.5
290.0	1.65	1.63	34.91	27.93	17.8	0.151	1461.4
300.0	1.63	1.61	34.92	27.93	17.6	0.153	1461.5
310.0	1.50	1.49	34.91	27.94	17.0	0.155	1461.1
320.0	1.46	1.44	34.91	27.94	16.8	0.156	1461.0
330.0	1.45	1.43	34.92	27.95	16.3	0.158	1461.2
340.0	1.47	1.46	34.92	27.95	16.2	0.160	1461.5
350.0	1.47	1.45	34.93	27.96	15.6	0.161	1461.6
360.0	1.46	1.44	34.93	27.96	15.2	0.163	1461.8
370.0	1.43	1.41	34.93	27.96	15.3	0.164	1461.8
380.0	1.27	1.25	34.91	27.96	15.3	0.166	1461.2
390.0	1.18	1.16	34.92	27.97	14.5	0.167	1461.0
400.0	1.09	1.07	34.91	27.96	14.5	0.169	1460.7
410.0	1.05	1.03	34.91	27.97	13.8	0.170	1460.7
420.0	1.05	1.03	34.92	27.98	13.5	0.172	1460.9
430.0	1.07	1.05	34.92	27.98	13.3	0.173	1461.2
440.0	1.03	1.01	34.91	27.97	13.6	0.174	1461.1
450.0	1.00	0.98	34.92	27.98	13.3	0.176	1461.2
460.0	0.99	0.96	34.92	27.98	12.7	0.177	1461.3
470.0	0.98	0.96	34.92	27.98	13.2	0.178	1461.4
480.0	0.90	0.88	34.92	27.98	12.7	0.180	1461.2
490.0	0.88	0.85	34.91	27.98	12.6	0.181	1461.3
500.0	0.85	0.83	34.92	27.99	12.3	0.182	1461.3
502.0	0.84	0.82	34.92	27.99	12.1	0.182	1461.3

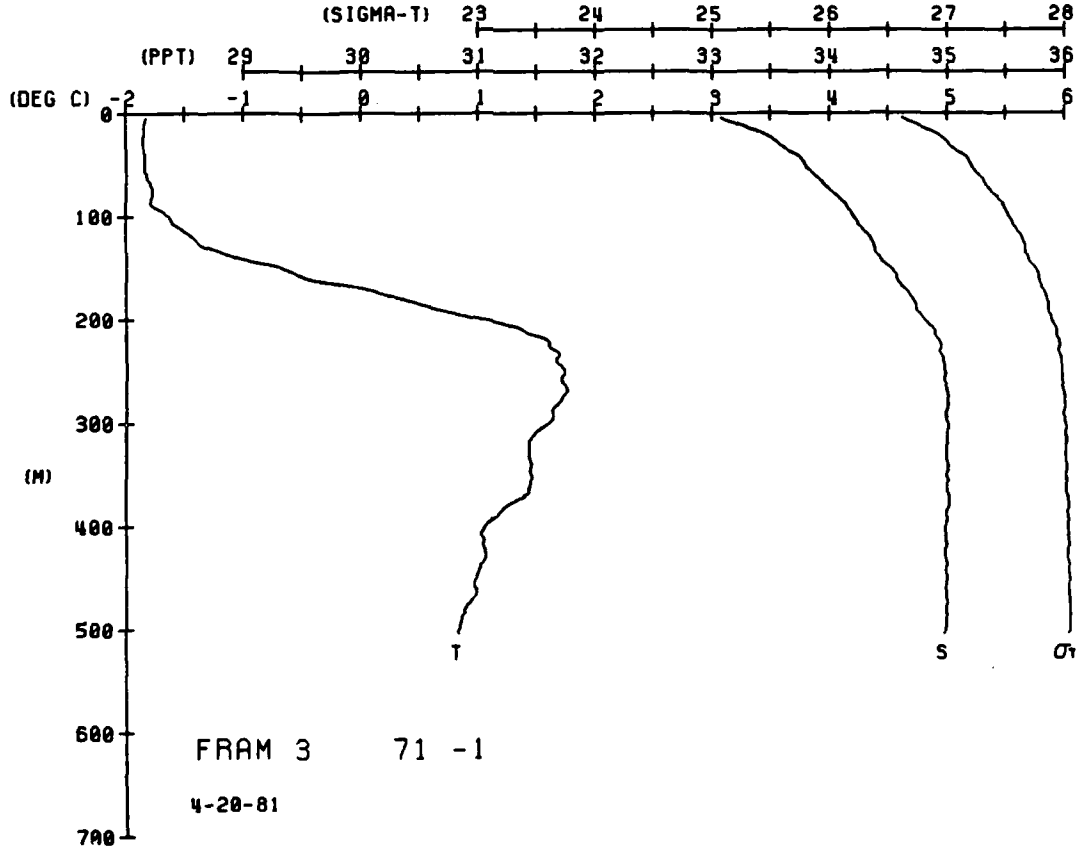
FRAM 3 STATION 71(1) CTD 20/APR/1981 1532 GMT CODE = 5
LAT = 82.7287N LNG = 6.6262E UTER = 30 LGER = 30
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.06	26.61	142.2	0.000	1438.0
4.0	-1.83	-1.83	33.06	26.61	142.2	0.006	1438.1
5.0	-1.83	-1.83	33.09	26.62	140.3	0.007	1438.2
10.0	-1.84	-1.84	33.21	26.72	131.0	0.014	1438.4
15.0	-1.84	-1.84	33.33	26.82	121.7	0.020	1438.6
20.0	-1.85	-1.85	33.44	26.91	112.8	0.026	1438.8
25.0	-1.85	-1.85	33.52	26.98	106.4	0.032	1439.0
30.0	-1.85	-1.85	33.57	27.02	102.4	0.037	1439.2
35.0	-1.85	-1.85	33.63	27.07	97.8	0.042	1439.3
40.0	-1.85	-1.85	33.71	27.13	91.8	0.047	1439.6
45.0	-1.85	-1.85	33.77	27.18	87.3	0.052	1439.7
50.0	-1.85	-1.85	33.79	27.20	85.4	0.056	1439.8
55.0	-1.84	-1.84	33.83	27.23	82.9	0.060	1440.0
60.0	-1.83	-1.83	33.88	27.27	78.9	0.064	1440.2
65.0	-1.81	-1.81	33.92	27.31	75.2	0.068	1440.4
70.0	-1.78	-1.78	33.96	27.34	72.3	0.072	1440.7
75.0	-1.77	-1.77	34.01	27.38	68.7	0.075	1440.9
80.0	-1.77	-1.78	34.06	27.42	64.7	0.079	1441.0
85.0	-1.79	-1.79	34.11	27.46	60.8	0.082	1441.1
90.0	-1.76	-1.76	34.16	27.49	57.4	0.085	1441.4
95.0	-1.69	-1.69	34.18	27.51	55.6	0.088	1441.9
100.0	-1.62	-1.63	34.21	27.53	53.5	0.091	1442.3
110.0	-1.55	-1.56	34.27	27.58	49.3	0.096	1442.9
120.0	-1.43	-1.43	34.35	27.64	43.5	0.100	1443.8
130.0	-1.30	-1.31	34.39	27.67	40.9	0.105	1444.6
140.0	-1.05	-1.05	34.43	27.69	38.5	0.109	1446.0
150.0	-0.67	-0.67	34.52	27.75	33.1	0.112	1448.0
160.0	-0.45	-0.46	34.57	27.78	30.3	0.116	1449.3
170.0	0.04	0.03	34.65	27.82	27.2	0.118	1451.8
180.0	0.37	0.36	34.72	27.86	23.8	0.121	1453.6
190.0	0.66	0.66	34.75	27.86	23.2	0.123	1455.1
200.0	1.05	1.04	34.82	27.90	20.5	0.126	1457.1
210.0	1.38	1.37	34.90	27.94	16.8	0.128	1458.9
220.0	1.60	1.59	34.94	27.95	15.3	0.129	1460.0
230.0	1.67	1.66	34.94	27.95	16.1	0.131	1460.5
240.0	1.67	1.66	34.97	27.98	13.4	0.132	1460.7
250.0	1.74	1.72	34.98	27.97	13.7	0.134	1461.2
260.0	1.71	1.70	34.98	27.98	13.2	0.135	1461.3
270.0	1.75	1.74	35.00	27.99	12.0	0.136	1461.7
280.0	1.69	1.68	35.01	28.00	11.3	0.137	1461.6
290.0	1.63	1.62	34.99	27.99	12.1	0.139	1461.4
300.0	1.61	1.59	35.01	28.01	10.2	0.140	1461.5
310.0	1.49	1.47	35.00	28.01	10.2	0.141	1461.1
320.0	1.43	1.42	35.00	28.01	9.8	0.142	1461.1
330.0	1.43	1.42	34.99	28.01	10.4	0.143	1461.2
340.0	1.46	1.44	35.01	28.02	9.6	0.144	1461.5
350.0	1.46	1.44	35.00	28.01	10.5	0.145	1461.6
360.0	1.45	1.43	35.00	28.01	10.1	0.146	1461.8
370.0	1.41	1.39	35.01	28.03	8.7	0.147	1461.8
380.0	1.25	1.23	35.02	28.04	7.4	0.148	1461.3
390.0	1.16	1.14	35.00	28.04	7.9	0.148	1461.0
400.0	1.07	1.05	34.99	28.03	8.2	0.149	1460.7
410.0	1.04	1.02	34.99	28.03	8.2	0.150	1460.8
420.0	1.05	1.03	34.99	28.03	8.0	0.151	1461.0
430.0	1.07	1.04	34.98	28.03	8.6	0.152	1461.2
440.0	1.01	0.99	34.99	28.04	7.8	0.153	1461.2
450.0	0.99	0.96	35.00	28.05	6.9	0.153	1461.2
460.0	0.99	0.96	34.99	28.04	7.3	0.154	1461.4
470.0	0.96	0.93	35.00	28.05	6.7	0.155	1461.4
480.0	0.89	0.87	34.99	28.05	6.7	0.155	1461.3
490.0	0.86	0.83	34.99	28.05	6.4	0.156	1461.3
500.0	0.83	0.81	34.99	28.05	6.5	0.157	1461.4
503.0	0.84	0.82	34.98	28.04	7.4	0.157	1461.4



FRAM 3 70 -1

4-20-81

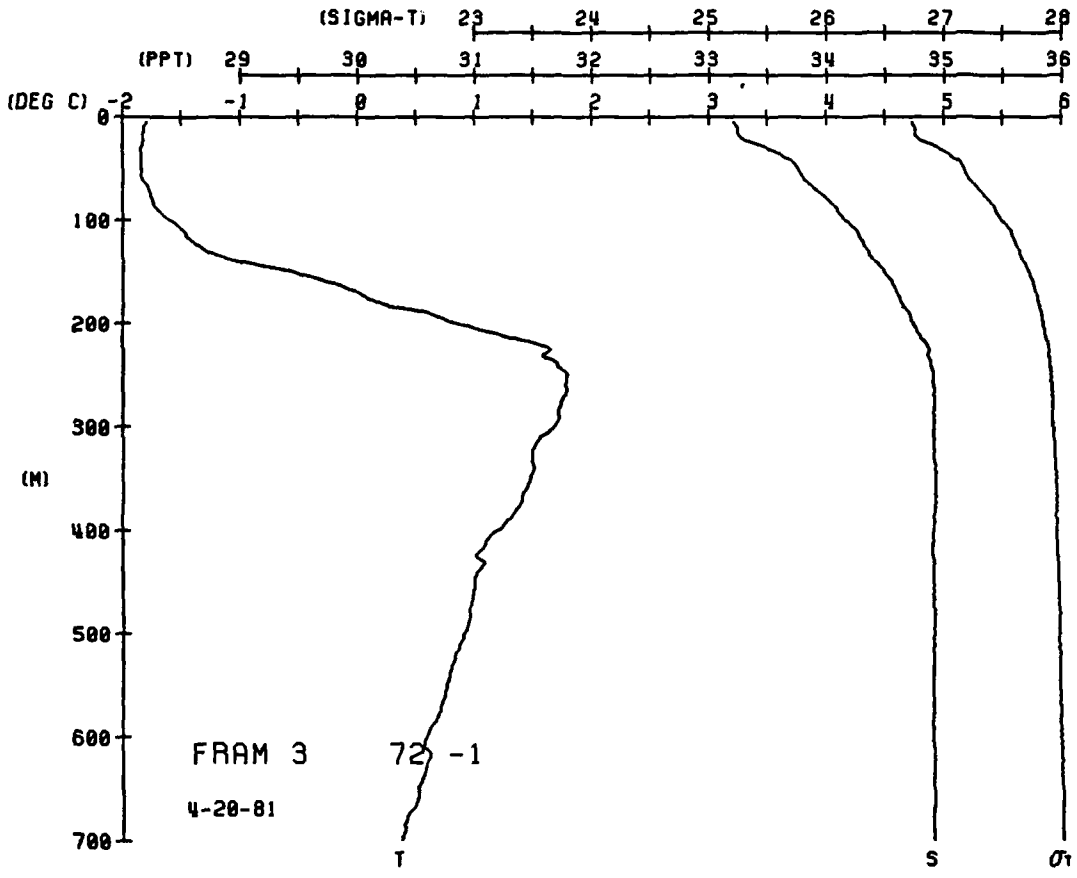


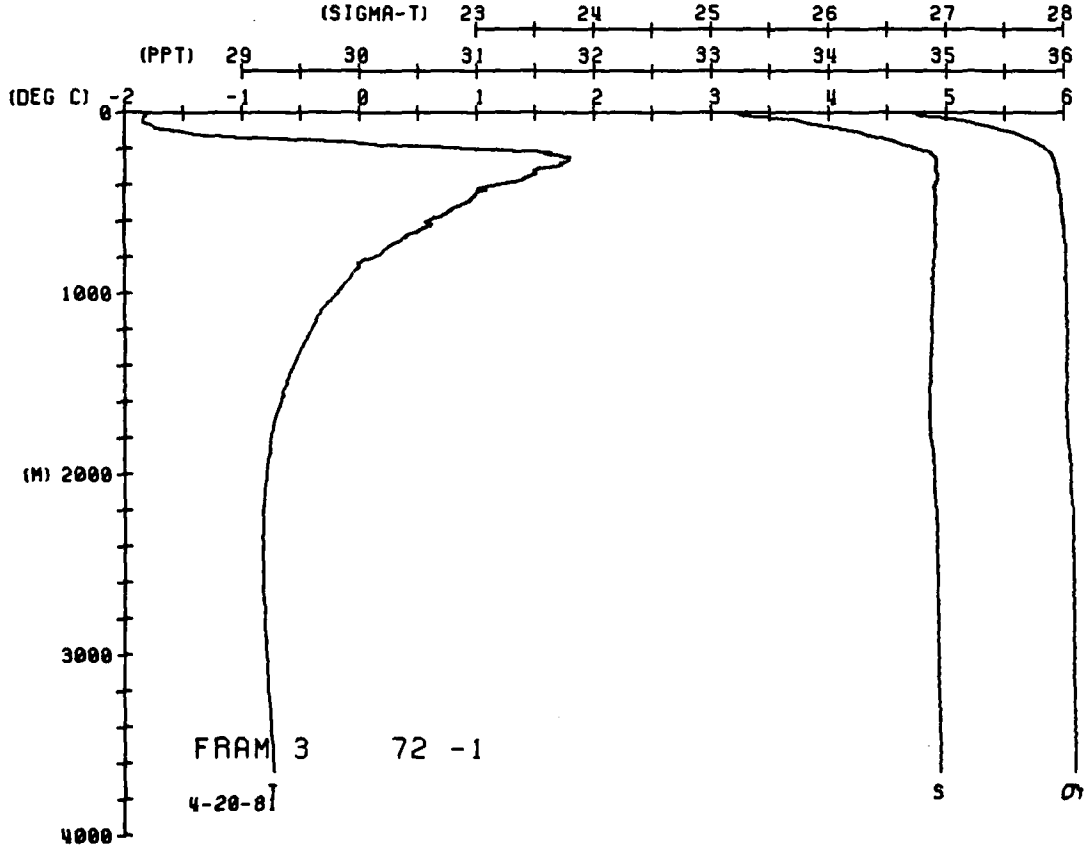
FRAM 3 71 -1

4-20-81

PKAN 3 STATION 72(1) CTD 20/APR/1981 1911 GMT CODE = 5
LAT = 82.7073N LNG = 6.6053E WTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

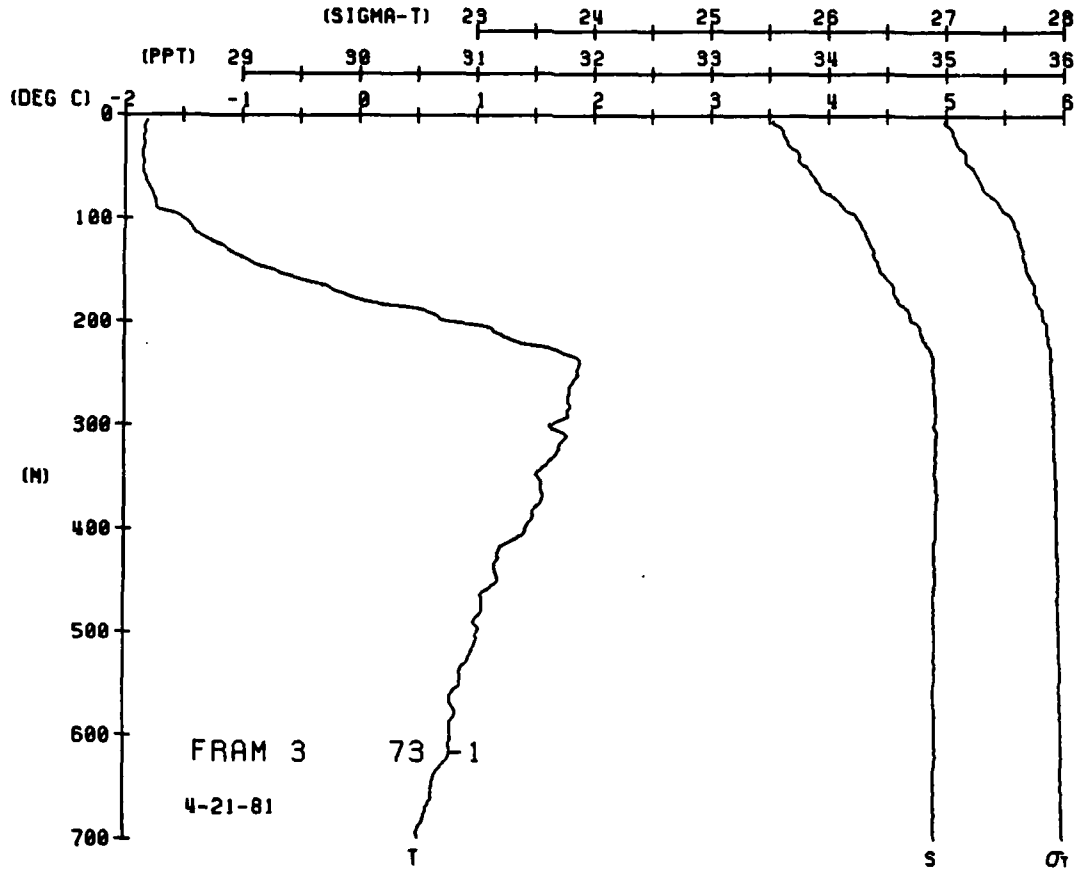
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	33.20	26.72	131.4	0.000	1438.5
4.0	-1.78	-1.78	33.20	26.72	131.4	0.005	1438.6
5.0	-1.79	-1.79	33.21	26.73	130.5	0.007	1438.5
10.0	-1.82	-1.82	33.25	26.76	127.5	0.013	1438.5
15.0	-1.82	-1.82	33.25	26.76	127.4	0.020	1438.6
20.0	-1.83	-1.83	33.28	26.78	125.5	0.026	1438.7
25.0	-1.83	-1.83	33.38	26.86	117.8	0.032	1438.9
30.0	-1.84	-1.84	33.50	26.96	108.2	0.038	1439.1
35.0	-1.84	-1.84	33.59	27.04	101.1	0.043	1439.3
40.0	-1.85	-1.85	33.67	27.10	95.3	0.048	1439.5
45.0	-1.85	-1.85	33.74	27.15	89.8	0.053	1439.7
50.0	-1.85	-1.85	33.76	27.17	87.9	0.057	1439.8
55.0	-1.85	-1.85	33.78	27.19	86.0	0.062	1439.9
60.0	-1.83	-1.83	33.81	27.22	83.8	0.066	1440.1
65.0	-1.80	-1.80	33.87	27.26	79.8	0.070	1440.4
70.0	-1.78	-1.78	33.92	27.30	75.5	0.074	1440.7
75.0	-1.76	-1.76	33.97	27.35	71.5	0.078	1440.9
80.0	-1.74	-1.74	34.02	27.38	68.1	0.081	1441.1
85.0	-1.73	-1.73	34.07	27.42	64.4	0.085	1441.4
90.0	-1.69	-1.69	34.09	27.44	62.3	0.088	1441.7
95.0	-1.65	-1.66	34.12	27.46	60.2	0.091	1442.0
100.0	-1.59	-1.59	34.17	27.50	56.9	0.094	1442.4
110.0	-1.48	-1.48	34.26	27.57	49.8	0.099	1443.2
120.0	-1.40	-1.40	34.31	27.61	46.2	0.104	1443.8
130.0	-1.27	-1.27	34.36	27.64	43.1	0.109	1444.7
140.0	-0.99	-0.99	34.42	27.68	39.6	0.113	1446.2
150.0	-0.54	-0.55	34.50	27.73	35.4	0.117	1448.6
160.0	-0.24	-0.24	34.56	27.77	32.1	0.120	1450.3
170.0	0.02	0.01	34.61	27.79	30.1	0.123	1451.6
180.0	0.20	0.19	34.64	27.81	28.2	0.126	1452.7
190.0	0.62	0.61	34.71	27.84	25.5	0.129	1454.9
200.0	0.87	0.86	34.75	27.85	24.5	0.131	1456.2
210.0	1.19	1.18	34.80	27.87	23.1	0.134	1457.9
220.0	1.55	1.54	34.86	27.89	21.1	0.136	1459.7
230.0	1.59	1.58	34.86	27.89	21.2	0.138	1460.1
240.0	1.71	1.69	34.89	27.90	20.2	0.140	1460.8
250.0	1.79	1.78	34.91	27.92	19.0	0.142	1461.4
260.0	1.78	1.77	34.91	27.92	19.0	0.144	1461.5
270.0	1.76	1.75	34.92	27.92	18.5	0.146	1461.6
280.0	1.73	1.72	34.92	27.93	18.3	0.148	1461.6
290.0	1.73	1.71	34.92	27.93	18.0	0.150	1461.7
300.0	1.68	1.66	34.92	27.93	17.9	0.152	1461.7
310.0	1.56	1.54	34.91	27.93	17.4	0.153	1461.3
320.0	1.50	1.48	34.91	27.94	16.9	0.155	1461.2
330.0	1.49	1.47	34.92	27.94	16.7	0.157	1461.4
340.0	1.51	1.49	34.93	27.95	16.1	0.158	1461.6
350.0	1.47	1.46	34.92	27.95	16.0	0.160	1461.6
360.0	1.44	1.42	34.93	27.96	15.5	0.162	1461.6
370.0	1.40	1.39	34.93	27.96	15.1	0.163	1461.7
380.0	1.36	1.34	34.93	27.96	15.1	0.165	1461.6
390.0	1.29	1.27	34.92	27.96	14.8	0.166	1461.5
400.0	1.20	1.18	34.92	27.96	14.7	0.168	1461.3
410.0	1.10	1.08	34.91	27.97	14.4	0.169	1460.9
420.0	1.05	1.02	34.91	27.97	14.4	0.171	1460.9
430.0	1.09	1.06	34.92	27.97	13.9	0.172	1461.2
440.0	1.03	1.01	34.91	27.97	13.9	0.174	1461.1
450.0	1.00	0.98	34.91	27.98	13.4	0.175	1461.2
460.0	1.00	0.97	34.92	27.98	13.3	0.176	1461.3
470.0	0.97	0.95	34.91	27.98	13.3	0.178	1461.4
480.0	0.95	0.93	34.92	27.98	12.8	0.179	1461.5
490.0	0.94	0.92	34.92	27.98	12.6	0.180	1461.6
500.0	0.91	0.89	34.91	27.98	12.9	0.182	1461.6
530.0	0.81	0.78	34.91	27.99	12.3	0.185	1461.6
560.0	0.75	0.72	34.91	27.99	12.2	0.189	1461.8
590.0	0.63	0.60	34.91	28.00	10.9	0.193	1461.8
620.0	0.62	0.59	34.92	28.01	10.4	0.196	1462.3
650.0	0.52	0.49	34.92	28.01	9.9	0.199	1462.4
680.0	0.41	0.38	34.91	28.01	9.7	0.202	1462.4
710.0	0.35	0.32	34.91	28.01	9.3	0.205	1462.6
740.0	0.25	0.22	34.91	28.02	8.6	0.207	1462.6
790.0	0.17	0.13	34.91	28.02	8.3	0.212	1463.1
840.0	-0.01	-0.04	34.90	28.03	7.5	0.216	1463.1
890.0	-0.05	-0.09	34.90	28.03	7.4	0.220	1463.7
940.0	-0.12	-0.16	34.89	28.02	7.3	0.223	1464.3
990.0	-0.17	-0.22	34.89	28.03	6.6	0.227	1464.9
1040.0	-0.24	-0.29	34.89	28.03	6.7	0.230	1465.4
1090.0	-0.31	-0.36	34.88	28.03	6.3	0.233	1465.9
1140.0	-0.36	-0.41	34.88	28.03	5.9	0.237	1466.5
1190.0	-0.39	-0.44	34.88	28.03	6.0	0.240	1467.2
1240.0	-0.44	-0.50	34.88	28.03	5.5	0.242	1467.9
1290.0	-0.49	-0.54	34.88	28.03	5.1	0.245	1468.5
1340.0	-0.52	-0.58	34.87	28.03	5.2	0.248	1469.2
1390.0	-0.56	-0.62	34.87	28.03	4.9	0.250	1469.9
1440.0	-0.59	-0.65	34.87	28.03	4.6	0.253	1470.5
1490.0	-0.62	-0.69	34.87	28.03	4.4	0.255	1471.3
1540.0	-0.64	-0.71	34.87	28.03	4.2	0.257	1472.0
1590.0	-0.66	-0.73	34.87	28.03	4.1	0.259	1472.8
1640.0	-0.69	-0.76	34.86	28.03	4.0	0.261	1473.5
1690.0	-0.71	-0.79	34.86	28.03	3.8	0.263	1474.2
1740.0	-0.73	-0.81	34.86	28.03	3.3	0.265	1475.0
1790.0	-0.75	-0.83	34.87	28.04	2.7	0.267	1475.8
1840.0	-0.76	-0.85	34.88	28.05	1.4	0.268	1476.6
1890.0	-0.76	-0.86	34.90	28.06	0.1	0.268	1477.5
1940.0	-0.78	-0.87	34.90	28.06	0.1	0.268	1478.3
1990.0	-0.79	-0.88	34.90	28.06	-0.4	0.268	1479.1
2040.0	-0.80	-0.89	34.91	28.07	-1.0	0.268	1479.9
2090.0	-0.80	-0.90	34.91	28.07	-1.2	0.267	1480.7
2140.0	-0.81	-0.91	34.91	28.07	-1.5	0.266	1481.6
2190.0	-0.81	-0.92	34.92	28.08	-2.2	0.265	1482.4
2240.0	-0.81	-0.93	34.91	28.07	-2.0	0.264	1483.3
2290.0	-0.82	-0.94	34.92	28.08	-3.0	0.263	1484.1
2340.0	-0.82	-0.94	34.92	28.08	-3.3	0.262	1485.0
2390.0	-0.82	-0.94	34.92	28.08	-3.2	0.260	1485.9
2440.0	-0.82	-0.95	34.93	28.09	-3.5	0.258	1486.7
2490.0	-0.82	-0.95	34.93	28.09	-3.8	0.256	1487.6
2540.0	-0.82	-0.96	34.93	28.09	-4.4	0.254	1488.5
2590.0	-0.82	-0.96	34.93	28.09	-4.5	0.252	1489.3
2640.0	-0.81	-0.96	34.94	28.09	-4.6	0.250	1490.2
2690.0	-0.81	-0.96	34.94	28.09	-4.7	0.247	1491.1
2740.0	-0.81	-0.96	34.94	28.10	-5.1	0.245	1492.0
2790.0	-0.81	-0.96	34.94	28.10	-5.0	0.242	1492.9
2840.0	-0.80	-0.96	34.94	28.10	-5.2	0.240	1493.8
2890.0	-0.80	-0.96	34.94	28.10	-5.2	0.237	1494.7
2940.0	-0.79	-0.96	34.94	28.10	-5.3	0.234	1495.6
2990.0	-0.79	-0.96	34.94	28.10	-5.5	0.231	1496.5
3040.0	-0.78	-0.96	34.94	28.10	-5.5	0.229	1497.4
3090.0	-0.78	-0.96	34.95	28.10	-5.8	0.226	1498.3
3140.0	-0.77	-0.96	34.95	28.10	-5.9	0.223	1499.2
3190.0	-0.77	-0.96	34.95	28.10	-6.1	0.220	1500.1
3240.0	-0.76	-0.96	34.95	28.10	-6.3	0.216	1501.0
3290.0	-0.76	-0.96	34.95	28.11	-6.5	0.213	1501.9
3340.0	-0.75	-0.96	34.96	28.11	-6.7	0.210	1502.8
3390.0	-0.75	-0.96	34.96	28.11	-6.8	0.206	1503.7
3440.0	-0.75	-0.96	34.96	28.11	-7.0	0.203	1504.6
3490.0	-0.74	-0.96	34.96	28.11	-7.2	0.199	1505.5
3540.0	-0.74	-0.96	34.96	28.11	-7.4	0.195	1506.4
3590.0	-0.73	-0.96	34.97	28.11	-7.4	0.192	1507.4
3640.0	-0.73	-0.96	34.96	28.11	-7.4	0.188	1508.3
3648.1	-0.72	-0.95	34.96	28.11	-7.0	0.187	1508.4

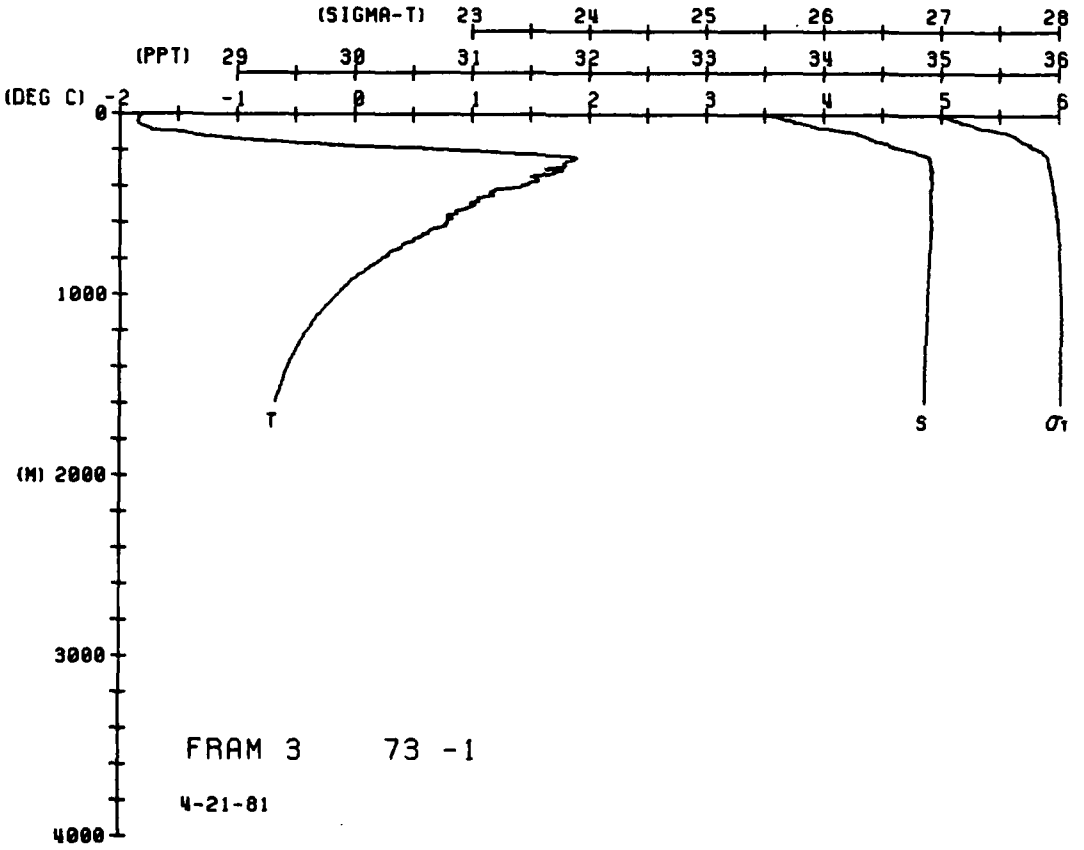

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
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400
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FRAM 3 72 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
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4000
FRAM 3 72 -1
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FRAM 3 STATION 73(1) CTD 21/APR/1981 828 GMT CODE = 5
LAT = 82.5178N LNG = 6.5005E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.53	26.98	106.3	0.000	1438.8
4.0	-1.80	-1.81	33.53	26.98	106.2	0.004	1438.9
5.0	-1.81	-1.81	33.53	26.99	106.1	0.005	1438.9
10.0	-1.83	-1.83	33.58	27.02	102.5	0.011	1438.9
15.0	-1.83	-1.83	33.61	27.05	99.5	0.016	1439.1
20.0	-1.84	-1.84	33.63	27.07	98.1	0.021	1439.1
25.0	-1.84	-1.84	33.65	27.09	96.4	0.026	1439.3
30.0	-1.84	-1.84	33.68	27.11	94.5	0.031	1439.4
35.0	-1.85	-1.85	33.74	27.16	89.5	0.035	1439.5
40.0	-1.85	-1.85	33.75	27.17	88.6	0.040	1439.6
45.0	-1.85	-1.85	33.76	27.17	88.2	0.044	1439.7
50.0	-1.84	-1.84	33.82	27.22	83.6	0.048	1439.9
55.0	-1.84	-1.84	33.86	27.26	80.2	0.053	1440.0
60.0	-1.82	-1.82	33.89	27.28	77.7	0.057	1440.3
65.0	-1.81	-1.81	33.92	27.30	76.0	0.060	1440.4
70.0	-1.79	-1.79	33.94	27.32	73.8	0.064	1440.7
75.0	-1.76	-1.76	33.98	27.35	70.7	0.068	1440.9
80.0	-1.74	-1.74	34.07	27.42	64.4	0.071	1441.2
85.0	-1.73	-1.73	34.10	27.45	61.5	0.074	1441.4
90.0	-1.73	-1.73	34.14	27.48	58.6	0.078	1441.6
95.0	-1.58	-1.59	34.21	27.53	53.7	0.080	1442.4
100.0	-1.50	-1.50	34.26	27.57	50.5	0.083	1443.0
110.0	-1.41	-1.42	34.30	27.60	47.2	0.088	1443.6
120.0	-1.28	-1.28	34.35	27.63	44.1	0.093	1444.5
130.0	-1.11	-1.11	34.39	27.66	41.4	0.097	1445.5
140.0	-0.94	-0.95	34.42	27.68	39.8	0.101	1446.5
150.0	-0.72	-0.73	34.45	27.70	38.3	0.105	1447.7
160.0	-0.43	-0.44	34.53	27.74	33.9	0.109	1449.3
170.0	-0.19	-0.20	34.56	27.76	32.8	0.112	1450.6
180.0	0.06	0.05	34.60	27.78	30.9	0.115	1452.0
190.0	0.59	0.58	34.69	27.83	26.8	0.118	1454.7
200.0	0.81	0.80	34.75	27.85	24.2	0.121	1455.9
210.0	1.16	1.15	34.79	27.87	23.3	0.123	1457.7
220.0	1.38	1.37	34.84	27.89	21.5	0.125	1458.9
230.0	1.76	1.75	34.89	27.90	20.5	0.127	1460.9
240.0	1.89	1.87	34.90	27.90	20.5	0.130	1461.6
250.0	1.87	1.86	34.91	27.91	20.1	0.132	1461.7
260.0	1.81	1.80	34.91	27.91	19.6	0.134	1461.6
270.0	1.79	1.78	34.91	27.92	18.9	0.136	1461.7
280.0	1.80	1.79	34.92	27.92	18.6	0.137	1461.9
290.0	1.78	1.77	34.92	27.93	18.2	0.139	1462.0
300.0	1.63	1.62	34.91	27.93	18.1	0.141	1461.5
310.0	1.77	1.76	34.93	27.93	17.6	0.143	1462.3
320.0	1.71	1.69	34.93	27.93	17.6	0.145	1462.2
330.0	1.65	1.63	34.92	27.94	17.4	0.147	1462.1
340.0	1.59	1.57	34.92	27.94	17.3	0.148	1462.0
350.0	1.53	1.51	34.92	27.95	16.6	0.150	1461.9
360.0	1.55	1.53	34.93	27.95	16.3	0.152	1462.1
370.0	1.57	1.55	34.93	27.95	16.3	0.153	1462.4
380.0	1.50	1.48	34.92	27.95	16.4	0.155	1462.2
390.0	1.48	1.46	34.93	27.95	15.8	0.157	1462.3
400.0	1.42	1.40	34.93	27.96	15.5	0.158	1462.3
410.0	1.34	1.32	34.92	27.96	15.4	0.160	1462.0
420.0	1.20	1.17	34.91	27.96	15.2	0.161	1461.5
430.0	1.18	1.16	34.91	27.96	15.0	0.163	1461.6
440.0	1.16	1.14	34.91	27.97	14.6	0.164	1461.7
450.0	1.18	1.16	34.92	27.97	14.5	0.166	1462.0
460.0	1.08	1.05	34.91	27.97	14.4	0.167	1461.7
470.0	1.06	1.04	34.91	27.97	14.2	0.169	1461.8
480.0	1.05	1.03	34.91	27.97	13.9	0.170	1461.9
490.0	0.99	0.97	34.91	27.97	13.8	0.172	1461.8
500.0	1.01	0.99	34.92	27.98	13.5	0.173	1462.0
530.0	0.91	0.88	34.92	27.98	12.8	0.177	1462.1
560.0	0.79	0.76	34.91	27.99	12.3	0.181	1462.1
590.0	0.79	0.76	34.92	27.99	11.9	0.184	1462.5
620.0	0.77	0.74	34.92	28.00	11.5	0.188	1463.0
650.0	0.63	0.59	34.91	28.00	11.0	0.191	1462.8
680.0	0.56	0.52	34.91	28.00	10.6	0.195	1463.0
710.0	0.45	0.42	34.91	28.01	10.1	0.198	1463.0
740.0	0.39	0.36	34.91	28.01	9.7	0.201	1463.3
790.0	0.27	0.23	34.90	28.01	9.4	0.206	1463.5
840.0	0.14	0.10	34.90	28.02	8.5	0.210	1463.8
890.0	0.03	-0.01	34.90	28.02	8.0	0.214	1464.1
940.0	-0.06	-0.10	34.89	28.02	7.7	0.218	1464.6
990.0	-0.14	-0.18	34.89	28.02	7.3	0.222	1465.0
1040.0	-0.21	-0.26	34.89	28.03	6.8	0.226	1465.5
1090.0	-0.28	-0.33	34.88	28.03	6.6	0.229	1466.0
1140.0	-0.35	-0.40	34.88	28.03	6.0	0.232	1466.6
1190.0	-0.40	-0.45	34.88	28.03	5.8	0.235	1467.2
1240.0	-0.45	-0.50	34.88	28.03	5.4	0.238	1467.8
1290.0	-0.49	-0.55	34.87	28.03	5.4	0.241	1468.5
1340.0	-0.52	-0.58	34.87	28.03	5.0	0.244	1469.1
1390.0	-0.56	-0.62	34.87	28.03	5.3	0.246	1469.8
1440.0	-0.60	-0.66	34.87	28.03	4.7	0.249	1470.5
1490.0	-0.62	-0.69	34.87	28.03	4.6	0.251	1471.2
1540.0	-0.64	-0.71	34.86	28.03	4.6	0.253	1472.0
1590.0	-0.68	-0.75	34.86	28.03	4.3	0.256	1472.7
1593.5	-0.68	-0.75	34.86	28.03	4.3	0.256	1472.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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200
300
(M)
400
500
600
700
FRAM 3 73 -1
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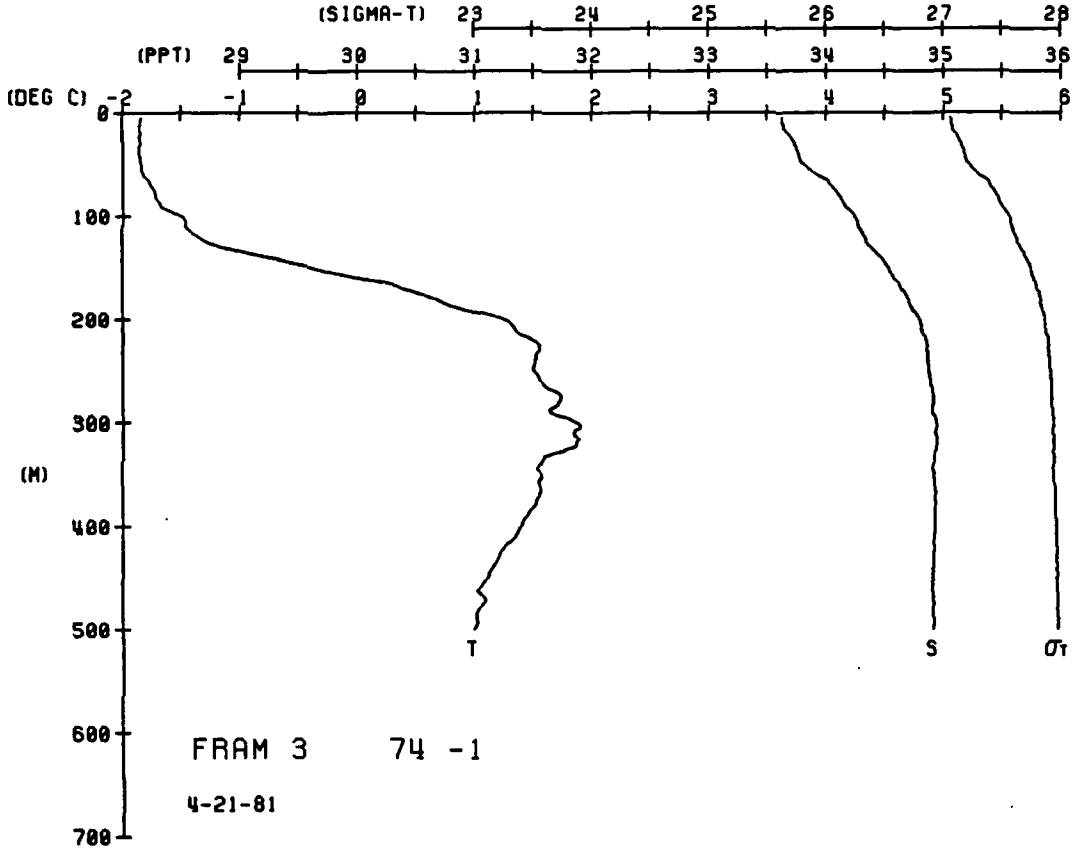

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
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4-21-81
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FRAM 3 STATION 74(1) CTD 21/APR/1981 1057 GMT CODE = 5
LAT = 82.5948N LNG = 6.5420E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	33.63	27.07	98.3	0.000	1438.8
4.0	-1.84	-1.84	33.63	27.07	98.3	0.004	1438.9
5.0	-1.84	-1.84	33.63	27.07	98.4	0.005	1438.9
10.0	-1.85	-1.85	33.64	27.08	97.5	0.010	1439.0
15.0	-1.85	-1.85	33.65	27.08	96.9	0.015	1439.0
20.0	-1.85	-1.85	33.68	27.11	94.4	0.020	1439.2
25.0	-1.85	-1.85	33.72	27.14	91.5	0.024	1439.3
30.0	-1.85	-1.85	33.73	27.15	90.2	0.029	1439.4
35.0	-1.86	-1.86	33.75	27.17	88.7	0.033	1439.5
40.0	-1.86	-1.86	33.77	27.18	87.3	0.038	1439.6
45.0	-1.85	-1.85	33.78	27.19	86.5	0.042	1439.7
50.0	-1.85	-1.85	33.81	27.22	83.7	0.047	1439.9
55.0	-1.84	-1.84	33.86	27.26	80.1	0.051	1440.1
60.0	-1.82	-1.82	33.92	27.30	75.8	0.055	1440.3
65.0	-1.78	-1.78	33.99	27.36	69.9	0.058	1440.7
70.0	-1.76	-1.76	34.04	27.40	66.4	0.062	1440.9
75.0	-1.73	-1.73	34.07	27.43	63.9	0.065	1441.2
80.0	-1.72	-1.72	34.11	27.45	61.2	0.068	1441.4
85.0	-1.70	-1.70	34.14	27.48	59.0	0.071	1441.6
90.0	-1.67	-1.68	34.16	27.50	57.1	0.074	1441.8
95.0	-1.60	-1.61	34.21	27.53	53.8	0.077	1442.3
100.0	-1.50	-1.51	34.25	27.56	51.3	0.080	1442.9
110.0	-1.46	-1.46	34.27	27.58	49.1	0.085	1443.3
120.0	-1.35	-1.35	34.33	27.63	44.8	0.090	1444.1
130.0	-1.14	-1.15	34.39	27.66	41.6	0.094	1445.3
140.0	-0.75	-0.75	34.47	27.71	36.7	0.098	1447.4
150.0	-0.37	-0.38	34.54	27.75	33.5	0.101	1449.4
160.0	0.01	0.00	34.59	27.77	31.6	0.105	1451.4
170.0	0.38	0.38	34.65	27.80	29.1	0.108	1453.4
180.0	0.67	0.66	34.70	27.83	26.7	0.111	1454.9
190.0	0.90	0.89	34.74	27.84	25.5	0.113	1456.2
200.0	1.26	1.25	34.80	27.86	23.6	0.116	1458.0
210.0	1.35	1.34	34.81	27.87	22.9	0.118	1458.6
220.0	1.49	1.48	34.84	27.89	21.7	0.120	1459.4
230.0	1.55	1.54	34.86	27.89	20.9	0.123	1459.9
240.0	1.52	1.50	34.87	27.90	20.2	0.125	1459.9
250.0	1.50	1.49	34.87	27.91	19.7	0.127	1460.0
260.0	1.57	1.56	34.89	27.91	19.2	0.129	1460.5
270.0	1.70	1.69	34.90	27.92	19.0	0.130	1461.3
280.0	1.72	1.70	34.91	27.92	18.9	0.132	1461.5
290.0	1.65	1.63	34.91	27.92	18.4	0.134	1461.4
300.0	1.87	1.86	34.94	27.93	17.9	0.136	1462.6
310.0	1.85	1.83	34.93	27.93	18.4	0.138	1462.6
320.0	1.86	1.84	34.94	27.94	17.7	0.140	1462.9
330.0	1.66	1.64	34.92	27.93	17.9	0.142	1462.1
340.0	1.57	1.55	34.92	27.94	17.2	0.143	1461.9
350.0	1.58	1.56	34.92	27.94	16.9	0.145	1462.1
360.0	1.55	1.53	34.93	27.95	16.4	0.147	1462.1
370.0	1.55	1.53	34.93	27.95	16.4	0.148	1462.3
380.0	1.52	1.50	34.93	27.95	16.3	0.150	1462.3
390.0	1.45	1.43	34.92	27.95	16.0	0.152	1462.2
400.0	1.40	1.38	34.93	27.96	15.5	0.153	1462.1
410.0	1.35	1.33	34.92	27.95	15.6	0.155	1462.1
420.0	1.26	1.23	34.92	27.96	14.9	0.156	1461.8
430.0	1.20	1.18	34.91	27.96	15.1	0.158	1461.7
440.0	1.15	1.13	34.91	27.96	15.0	0.160	1461.7
450.0	1.11	1.09	34.90	27.96	15.0	0.161	1461.7
460.0	1.04	1.01	34.90	27.96	14.7	0.163	1461.5
470.0	1.09	1.06	34.91	27.97	14.1	0.164	1461.9
480.0	1.03	1.01	34.91	27.97	14.1	0.165	1461.8
490.0	1.02	1.00	34.91	27.97	13.7	0.167	1461.9
499.0	1.00	0.97	34.91	27.98	13.6	0.168	1462.0

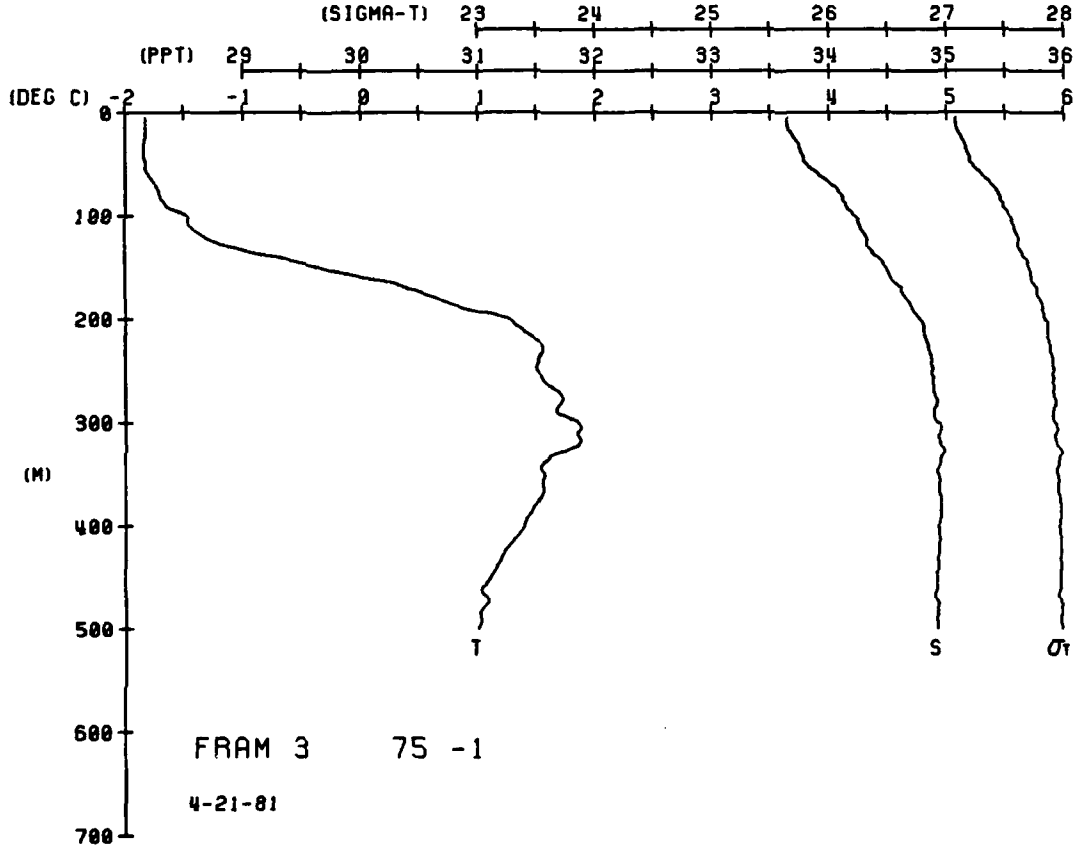
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LAT = 82.5948N LNG = 6.5420E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.64	27.08	97.3	0.000	1438.9
4.0	-1.83	-1.83	33.64	27.08	97.3	0.004	1439.0
5.0	-1.83	-1.83	33.64	27.08	97.3	0.005	1439.0
10.0	-1.83	-1.83	33.65	27.08	97.1	0.010	1439.0
15.0	-1.83	-1.83	33.65	27.09	96.5	0.015	1439.1
20.0	-1.83	-1.83	33.68	27.11	94.2	0.020	1439.3
25.0	-1.83	-1.83	33.71	27.13	92.2	0.024	1439.4
30.0	-1.84	-1.84	33.74	27.16	89.9	0.029	1439.5
35.0	-1.84	-1.84	33.76	27.17	88.4	0.033	1439.6
40.0	-1.84	-1.84	33.78	27.19	86.7	0.038	1439.7
45.0	-1.84	-1.84	33.79	27.20	85.9	0.042	1439.8
50.0	-1.83	-1.83	33.81	27.21	84.1	0.046	1440.0
55.0	-1.82	-1.82	33.86	27.26	80.1	0.051	1440.1
60.0	-1.80	-1.80	33.92	27.30	76.0	0.055	1440.4
65.0	-1.77	-1.77	33.97	27.35	71.5	0.058	1440.7
70.0	-1.74	-1.74	34.03	27.39	67.4	0.062	1441.0
75.0	-1.72	-1.72	34.08	27.43	63.6	0.065	1441.3
80.0	-1.71	-1.71	34.11	27.45	61.2	0.068	1441.4
85.0	-1.68	-1.68	34.13	27.47	59.9	0.071	1441.7
90.0	-1.65	-1.65	34.15	27.48	58.5	0.074	1441.9
95.0	-1.57	-1.57	34.18	27.50	56.4	0.077	1442.4
100.0	-1.47	-1.48	34.22	27.54	53.2	0.080	1443.0
110.0	-1.44	-1.45	34.28	27.58	49.0	0.085	1443.4
120.0	-1.33	-1.33	34.33	27.62	45.6	0.090	1444.2
130.0	-1.09	-1.10	34.34	27.62	45.6	0.095	1445.5
140.0	-0.69	-0.70	34.42	27.67	40.9	0.099	1447.6
150.0	-0.33	-0.34	34.49	27.71	37.5	0.103	1449.5
160.0	0.05	0.04	34.54	27.73	35.7	0.107	1451.5
170.0	0.41	0.41	34.62	27.78	31.2	0.110	1453.5
180.0	0.68	0.67	34.66	27.79	29.9	0.113	1454.9
190.0	0.90	0.90	34.72	27.82	27.2	0.116	1456.2
200.0	1.27	1.26	34.78	27.85	25.1	0.119	1458.1
210.0	1.38	1.37	34.81	27.86	23.7	0.121	1458.7
220.0	1.50	1.49	34.83	27.87	22.9	0.123	1459.5
230.0	1.57	1.55	34.86	27.89	21.4	0.126	1460.0
240.0	1.52	1.51	34.88	27.91	19.6	0.128	1460.0
250.0	1.51	1.50	34.88	27.91	19.1	0.130	1460.1
260.0	1.57	1.56	34.88	27.91	19.5	0.132	1460.5
270.0	1.70	1.68	34.90	27.91	19.3	0.134	1461.3
280.0	1.72	1.71	34.92	27.93	17.8	0.135	1461.6
290.0	1.68	1.66	34.89	27.91	19.6	0.137	1461.5
300.0	1.86	1.85	34.93	27.93	18.2	0.139	1462.5
310.0	1.85	1.84	34.95	27.94	17.1	0.141	1462.7
320.0	1.87	1.85	34.95	27.94	16.9	0.143	1462.9
330.0	1.67	1.65	34.98	27.98	13.3	0.144	1462.2
340.0	1.57	1.55	34.95	27.96	14.8	0.146	1461.9
350.0	1.58	1.56	34.94	27.95	16.0	0.147	1462.1
360.0	1.56	1.54	34.94	27.96	15.5	0.149	1462.2
370.0	1.55	1.53	34.95	27.97	14.4	0.150	1462.4
380.0	1.50	1.48	34.96	27.98	13.6	0.152	1462.3
390.0	1.44	1.42	34.95	27.98	13.6	0.153	1462.2
400.0	1.40	1.38	34.94	27.97	14.0	0.155	1462.2
410.0	1.35	1.32	34.95	27.98	13.6	0.156	1462.1
420.0	1.27	1.24	34.94	27.98	13.4	0.157	1461.9
430.0	1.21	1.19	34.93	27.98	13.4	0.159	1461.8
440.0	1.16	1.14	34.93	27.98	13.1	0.160	1461.8
450.0	1.12	1.10	34.93	27.98	13.4	0.161	1461.7
460.0	1.05	1.02	34.93	27.99	12.4	0.163	1461.6
470.0	1.09	1.07	34.91	27.97	14.1	0.164	1461.9
480.0	1.04	1.02	34.93	27.99	12.6	0.165	1461.9
490.0	1.03	1.01	34.92	27.98	13.3	0.167	1462.0
500.0	1.00	0.98	34.93	27.99	12.6	0.168	1462.0
500.0	1.00	0.98	34.93	27.99	12.6	0.168	1462.0



FRAM 3 74 -1

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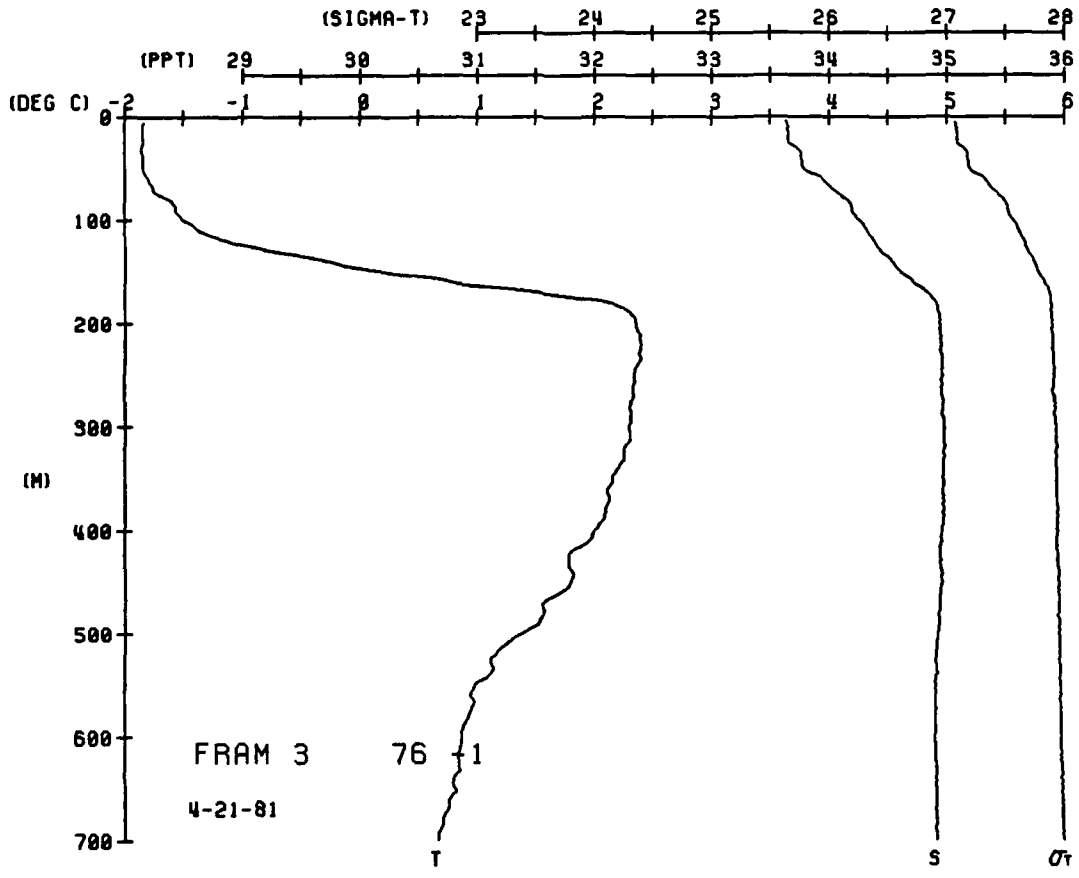


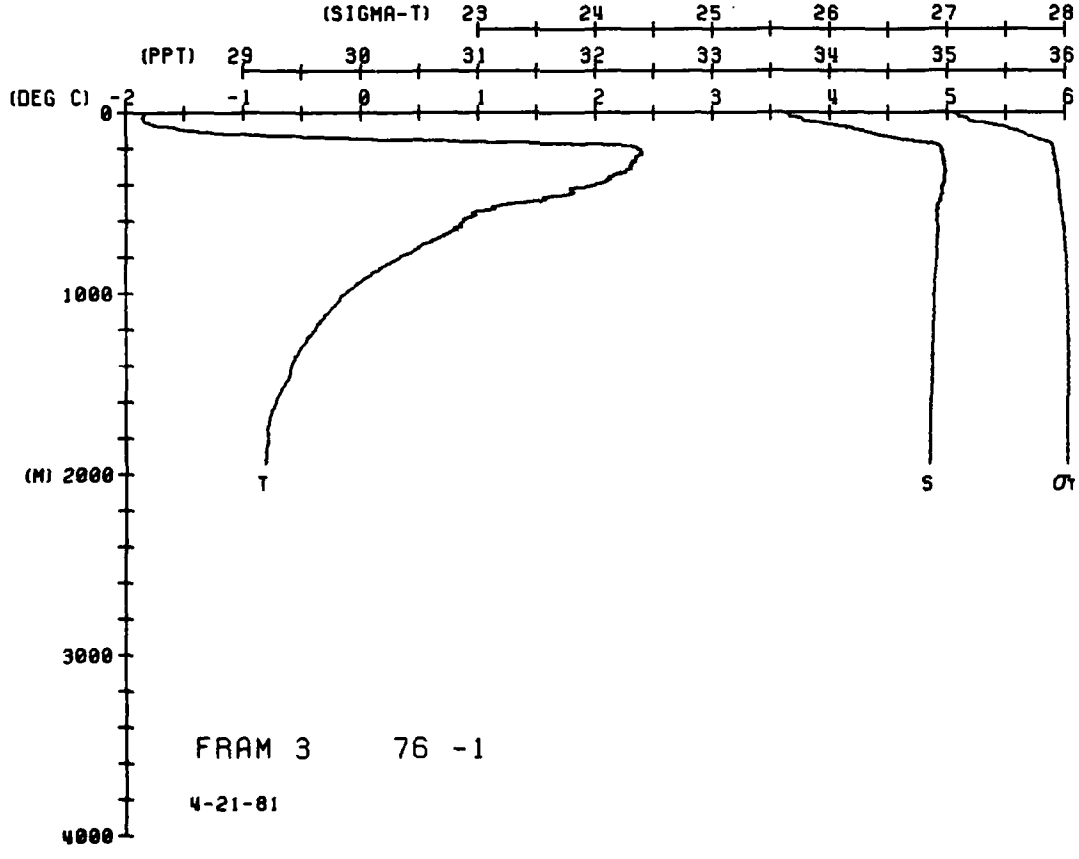
FRAM 3 75 -1

4-21-81

FRAM 3 STATION 78(1) CTD 21/APR/1981 1409 GMT CODE = 5
LAT = 82.5702N LNG = 6.5100E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BARO = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	33.64	27.07	97.7	0.000	1438.5
4.0	-1.84	-1.84	33.64	27.07	97.7	0.004	1438.9
5.0	-1.84	-1.84	33.64	27.08	97.5	0.005	1438.9
10.0	-1.85	-1.85	33.66	27.09	96.0	0.010	1439.0
15.0	-1.85	-1.85	33.66	27.09	95.9	0.015	1439.1
20.0	-1.85	-1.85	33.66	27.10	95.6	0.020	1439.2
25.0	-1.85	-1.85	33.67	27.10	95.3	0.024	1439.2
30.0	-1.85	-1.85	33.73	27.15	90.5	0.029	1439.4
35.0	-1.85	-1.85	33.77	27.18	87.4	0.034	1439.5
40.0	-1.85	-1.85	33.77	27.18	87.1	0.038	1439.6
45.0	-1.85	-1.85	33.78	27.19	86.5	0.042	1439.7
50.0	-1.84	-1.84	33.80	27.20	85.2	0.047	1439.9
55.0	-1.82	-1.82	33.86	27.26	80.2	0.051	1440.1
60.0	-1.80	-1.80	33.90	27.33	72.8	0.055	1440.5
65.0	-1.77	-1.77	33.99	27.36	70.2	0.058	1440.7
70.0	-1.75	-1.76	34.04	27.40	66.5	0.062	1440.9
75.0	-1.71	-1.71	34.10	27.44	62.2	0.065	1441.3
80.0	-1.63	-1.63	34.16	27.49	57.9	0.068	1441.9
85.0	-1.57	-1.57	34.19	27.52	55.2	0.071	1442.3
90.0	-1.56	-1.56	34.21	27.53	54.2	0.074	1442.4
95.0	-1.53	-1.54	34.23	27.55	52.4	0.078	1442.7
100.0	-1.49	-1.49	34.27	27.58	49.7	0.079	1443.0
110.0	-1.36	-1.36	34.33	27.62	45.2	0.084	1443.9
120.0	-1.13	-1.13	34.39	27.66	41.6	0.088	1445.2
130.0	-0.74	-0.74	34.45	27.70	38.6	0.092	1447.3
140.0	-0.25	-0.25	34.54	27.75	33.5	0.096	1449.8
150.0	0.20	0.20	34.61	27.78	30.7	0.099	1452.2
160.0	0.80	0.79	34.72	27.83	26.0	0.102	1455.2
170.0	1.56	1.55	34.84	27.88	22.2	0.104	1458.9
180.0	2.14	2.13	34.91	27.89	21.3	0.107	1461.7
190.0	2.32	2.31	34.94	27.90	21.0	0.109	1462.7
200.0	2.36	2.35	34.94	27.90	20.9	0.111	1463.1
210.0	2.39	2.38	34.95	27.90	20.8	0.113	1463.4
220.0	2.40	2.39	34.96	27.90	20.5	0.115	1463.6
230.0	2.39	2.38	34.96	27.91	20.1	0.117	1463.7
240.0	2.37	2.36	34.96	27.91	20.0	0.119	1463.8
250.0	2.35	2.33	34.97	27.92	19.2	0.121	1463.9
260.0	2.34	2.32	34.97	27.92	19.1	0.123	1464.0
270.0	2.35	2.33	34.97	27.92	19.0	0.125	1464.2
280.0	2.30	2.29	34.98	27.93	18.6	0.127	1464.2
290.0	2.32	2.30	34.97	27.93	18.9	0.129	1464.4
300.0	2.30	2.28	34.98	27.93	18.3	0.131	1464.5
310.0	2.31	2.29	34.98	27.93	18.3	0.133	1464.7
320.0	2.26	2.24	34.98	27.94	17.9	0.134	1464.7
330.0	2.26	2.24	34.99	27.94	17.8	0.136	1464.8
340.0	2.21	2.19	34.98	27.94	17.8	0.136	1464.8
350.0	2.16	2.14	34.98	27.94	17.4	0.140	1464.7
360.0	2.11	2.09	34.97	27.94	17.5	0.142	1464.7
370.0	2.13	2.10	34.98	27.95	17.2	0.143	1464.9
380.0	2.10	2.08	34.98	27.94	17.3	0.145	1465.0
390.0	2.07	2.04	34.97	27.95	17.3	0.147	1465.0
400.0	2.00	1.98	34.97	27.95	17.2	0.149	1464.8
410.0	1.96	1.93	34.96	27.94	17.4	0.150	1464.8
420.0	1.81	1.78	34.95	27.95	17.1	0.152	1464.3
430.0	1.79	1.77	34.95	27.95	16.9	0.154	1464.4
440.0	1.82	1.79	34.96	27.95	16.4	0.155	1464.7
450.0	1.79	1.77	34.96	27.96	16.4	0.157	1464.8
460.0	1.70	1.68	34.95	27.95	16.4	0.159	1464.5
470.0	1.56	1.53	34.94	27.96	15.7	0.160	1464.0
480.0	1.57	1.54	34.94	27.95	16.3	0.162	1464.2
490.0	1.53	1.50	34.94	27.96	15.7	0.164	1464.2
500.0	1.38	1.35	34.93	27.96	15.6	0.165	1463.7
530.0	1.13	1.11	34.92	27.97	14.4	0.170	1463.1
560.0	0.95	0.93	34.91	27.98	13.5	0.174	1462.8
590.0	0.88	0.85	34.91	27.98	13.3	0.178	1463.0
620.0	0.84	0.81	34.91	27.99	12.7	0.182	1463.3
650.0	0.82	0.79	34.92	27.99	12.2	0.186	1463.7
680.0	0.71	0.68	34.92	28.00	11.5	0.189	1463.7
710.0	0.61	0.57	34.91	28.00	11.0	0.193	1463.7
740.0	0.51	0.47	34.91	28.00	10.7	0.196	1463.8
790.0	0.35	0.32	34.91	28.01	9.5	0.201	1463.9
840.0	0.22	0.18	34.90	28.01	9.2	0.206	1464.2
890.0	0.10	0.06	34.90	28.02	8.3	0.210	1464.5
940.0	-0.01	-0.06	34.89	28.02	7.8	0.215	1464.8
990.0	-0.10	-0.14	34.89	28.02	7.4	0.218	1465.2
1040.0	-0.18	-0.23	34.89	28.02	7.0	0.222	1465.7
1090.0	-0.25	-0.30	34.89	28.03	6.5	0.226	1466.2
1140.0	-0.31	-0.37	34.88	28.03	6.4	0.229	1466.7
1190.0	-0.38	-0.43	34.88	28.03	5.9	0.232	1467.3
1240.0	-0.44	-0.50	34.88	28.03	5.6	0.235	1467.8
1290.0	-0.50	-0.56	34.87	28.03	5.3	0.238	1468.4
1340.0	-0.54	-0.60	34.88	28.03	4.7	0.240	1469.1
1390.0	-0.58	-0.65	34.87	28.03	4.7	0.243	1469.7
1440.0	-0.61	-0.67	34.87	28.03	4.6	0.245	1470.5
1490.0	-0.64	-0.71	34.87	28.03	4.1	0.247	1471.2
1540.0	-0.68	-0.75	34.86	28.03	4.4	0.249	1471.8
1590.0	-0.71	-0.79	34.86	28.03	3.9	0.251	1472.5
1640.0	-0.75	-0.82	34.86	28.03	3.6	0.253	1473.2
1690.0	-0.77	-0.85	34.86	28.03	3.6	0.255	1473.9
1740.0	-0.79	-0.87	34.85	28.02	3.9	0.257	1474.7
1790.0	-0.79	-0.87	34.86	28.03	3.3	0.259	1475.6
1840.0	-0.80	-0.88	34.86	28.03	3.0	0.260	1476.4
1890.0	-0.81	-0.89	34.85	28.03	3.1	0.262	1477.2
1940.0	-0.81	-0.90	34.85	28.03	3.1	0.264	1478.0
1947.7	-0.81	-0.91	34.85	28.02	3.2	0.264	1478.1


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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200
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FRAM 3 76 -1
4-21-81
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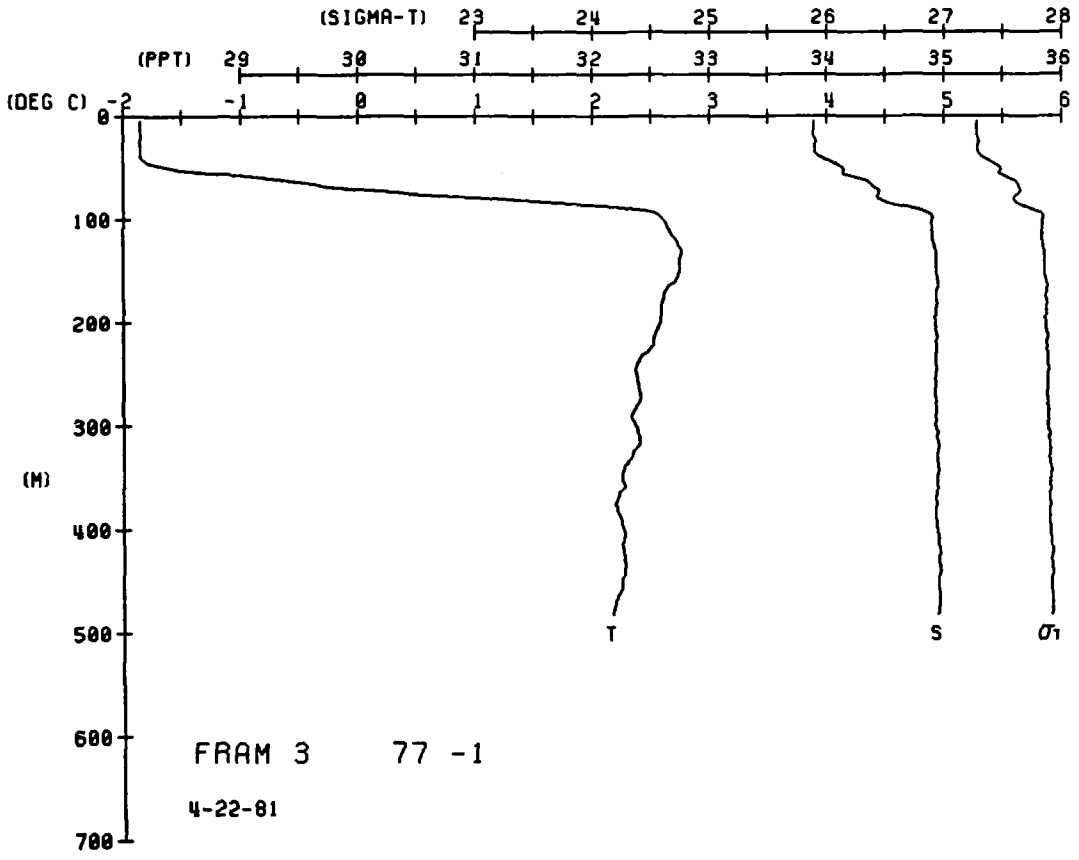

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(DEG C) -2 -1 0 1 2 3 4 5 6
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4000
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FRAM 3 76 -1
4-21-81

FRAM 3 STATION 77(1) CTD 22/APR/1981 1431 GMT CODE = 5
LAT = 82.3895N LNG = 6.3817E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	33.90	27.29	77.6	0.000	1439.1
4.0	-1.85	-1.85	33.90	27.29	77.5	0.003	1439.2
5.0	-1.85	-1.85	33.90	27.29	77.6	0.004	1439.2
10.0	-1.85	-1.85	33.89	27.28	77.9	0.008	1439.3
15.0	-1.85	-1.85	33.89	27.28	78.2	0.012	1439.4
20.0	-1.85	-1.85	33.89	27.28	78.1	0.016	1439.5
25.0	-1.85	-1.85	33.91	27.29	76.8	0.020	1439.5
30.0	-1.85	-1.85	33.90	27.29	77.2	0.024	1439.6
35.0	-1.85	-1.85	33.91	27.29	76.9	0.027	1439.7
40.0	-1.84	-1.84	33.96	27.33	72.9	0.031	1439.9
45.0	-1.78	-1.78	34.06	27.42	65.1	0.035	1440.4
50.0	-1.63	-1.63	34.14	27.48	59.4	0.038	1441.4
55.0	-1.29	-1.30	34.14	27.47	59.9	0.041	1443.0
60.0	-0.77	-0.78	34.27	27.55	52.2	0.044	1445.7
65.0	-0.47	-0.47	34.37	27.62	45.5	0.046	1447.4
70.0	-0.09	-0.09	34.43	27.65	43.4	0.048	1449.2
75.0	0.41	0.41	34.44	27.63	44.6	0.051	1451.6
80.0	1.11	1.11	34.45	27.59	48.7	0.053	1454.9
85.0	1.83	1.82	34.55	27.63	45.7	0.055	1458.3
90.0	2.37	2.37	34.77	27.75	33.9	0.057	1461.1
95.0	2.56	2.55	34.89	27.84	26.2	0.059	1462.1
100.0	2.61	2.60	34.90	27.84	26.0	0.060	1462.4
110.0	2.66	2.65	34.90	27.83	26.5	0.063	1462.8
120.0	2.72	2.71	34.91	27.84	26.4	0.066	1463.3
130.0	2.76	2.75	34.93	27.85	24.9	0.068	1463.6
140.0	2.75	2.74	34.93	27.86	24.7	0.071	1463.7
150.0	2.74	2.74	34.93	27.85	25.1	0.073	1463.9
160.0	2.70	2.69	34.95	27.87	23.5	0.076	1463.9
170.0	2.62	2.61	34.94	27.87	23.7	0.078	1463.7
180.0	2.59	2.58	34.94	27.87	23.3	0.080	1463.8
190.0	2.59	2.57	34.93	27.87	23.9	0.083	1463.9
200.0	2.58	2.57	34.93	27.87	23.8	0.085	1464.0
210.0	2.54	2.53	34.93	27.87	23.3	0.088	1464.0
220.0	2.52	2.51	34.93	27.87	23.4	0.090	1464.1
230.0	2.45	2.44	34.93	27.88	23.1	0.092	1463.9
240.0	2.38	2.37	34.92	27.88	23.0	0.095	1463.8
250.0	2.38	2.36	34.93	27.88	22.7	0.097	1463.9
260.0	2.39	2.37	34.92	27.88	23.1	0.099	1464.2
270.0	2.41	2.39	34.92	27.87	23.6	0.102	1464.4
280.0	2.38	2.37	34.93	27.89	22.4	0.104	1464.5
290.0	2.34	2.32	34.93	27.89	22.5	0.106	1464.4
300.0	2.37	2.35	34.92	27.88	23.2	0.109	1464.7
310.0	2.39	2.38	34.94	27.89	22.4	0.111	1465.0
320.0	2.38	2.36	34.95	27.90	21.5	0.113	1465.1
330.0	2.33	2.31	34.93	27.89	22.3	0.115	1465.1
340.0	2.27	2.25	34.95	27.91	20.8	0.118	1465.0
350.0	2.26	2.23	34.93	27.90	21.9	0.120	1465.1
360.0	2.26	2.24	34.94	27.90	21.5	0.122	1465.3
370.0	2.21	2.19	34.93	27.90	21.9	0.124	1465.2
380.0	2.21	2.19	34.93	27.90	21.7	0.126	1465.4
390.0	2.25	2.23	34.93	27.89	22.3	0.128	1465.7
400.0	2.27	2.24	34.94	27.90	21.7	0.131	1466.0
410.0	2.27	2.24	34.95	27.91	20.8	0.133	1466.1
420.0	2.26	2.24	34.96	27.92	20.2	0.135	1466.3
430.0	2.27	2.24	34.95	27.91	21.2	0.137	1466.5
440.0	2.27	2.24	34.96	27.92	20.3	0.139	1466.7
450.0	2.25	2.22	34.95	27.91	20.9	0.141	1466.7
460.0	2.23	2.21	34.95	27.92	20.6	0.143	1466.8
470.0	2.19	2.17	34.96	27.92	20.1	0.145	1466.8
480.0	2.17	2.15	34.95	27.92	20.7	0.147	1466.9
482.2	2.17	2.14	34.94	27.91	21.0	0.148	1466.9

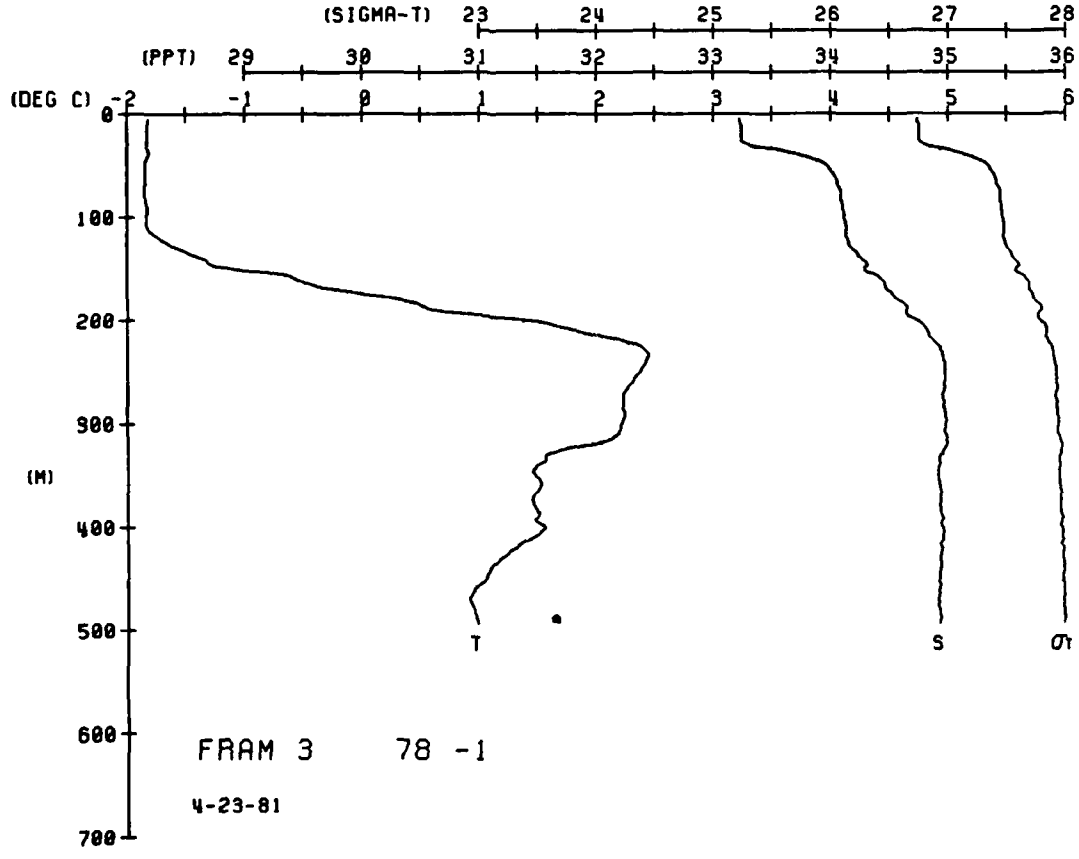
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LAT = 82.8317N LNG = 6.1583E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	33.23	26.74	129.1	0.000	1438.3
4.0	-1.82	-1.82	33.23	26.74	129.0	0.005	1438.4
5.0	-1.82	-1.82	33.23	26.74	129.1	0.007	1438.4
10.0	-1.83	-1.83	33.24	26.75	128.3	0.013	1438.5
15.0	-1.83	-1.83	33.25	26.76	127.8	0.020	1438.6
20.0	-1.83	-1.83	33.24	26.75	128.0	0.026	1438.7
25.0	-1.83	-1.83	33.24	26.75	128.1	0.032	1438.7
30.0	-1.83	-1.83	33.30	26.80	123.5	0.039	1438.9
35.0	-1.81	-1.81	33.55	27.00	104.3	0.045	1439.4
40.0	-1.81	-1.81	33.74	27.15	90.0	0.049	1439.7
45.0	-1.84	-1.84	33.89	27.28	78.3	0.054	1439.9
50.0	-1.85	-1.85	33.97	27.34	72.1	0.058	1440.1
55.0	-1.84	-1.84	34.00	27.37	69.2	0.061	1440.2
60.0	-1.84	-1.84	34.04	27.40	66.7	0.065	1440.4
65.0	-1.85	-1.85	34.06	27.42	64.9	0.068	1440.5
70.0	-1.85	-1.85	34.07	27.43	64.0	0.071	1440.5
75.0	-1.85	-1.85	34.09	27.44	62.2	0.074	1440.7
80.0	-1.85	-1.85	34.09	27.44	62.2	0.077	1440.7
85.0	-1.84	-1.84	34.10	27.45	61.6	0.081	1440.9
90.0	-1.83	-1.83	34.11	27.45	61.2	0.084	1441.0
95.0	-1.83	-1.83	34.11	27.46	60.9	0.087	1441.1
100.0	-1.83	-1.83	34.11	27.46	60.4	0.090	1441.2
110.0	-1.82	-1.83	34.14	27.48	58.6	0.096	1441.4
120.0	-1.73	-1.73	34.14	27.48	58.5	0.102	1442.1
130.0	-1.56	-1.56	34.18	27.51	55.6	0.108	1443.1
140.0	-1.35	-1.36	34.26	27.57	50.3	0.113	1444.3
150.0	-1.11	-1.12	34.29	27.58	49.0	0.118	1445.6
160.0	-0.55	-0.56	34.43	27.68	40.3	0.122	1448.6
170.0	-0.21	-0.22	34.48	27.70	38.5	0.126	1450.4
180.0	0.34	0.33	34.57	27.74	34.9	0.130	1453.2
190.0	0.62	0.61	34.65	27.79	30.5	0.133	1454.8
200.0	1.44	1.43	34.72	27.79	30.7	0.137	1458.7
210.0	1.82	1.81	34.82	27.84	25.9	0.139	1460.7
220.0	2.25	2.23	34.88	27.86	24.9	0.142	1462.8
230.0	2.43	2.41	34.94	27.89	21.8	0.144	1463.9
240.0	2.42	2.41	34.97	27.91	19.9	0.146	1464.0
250.0	2.37	2.36	34.97	27.92	19.4	0.148	1464.0
260.0	2.30	2.28	34.97	27.92	19.0	0.150	1463.8
270.0	2.23	2.22	34.95	27.92	19.5	0.152	1463.7
280.0	2.22	2.21	34.96	27.92	19.0	0.154	1463.8
290.0	2.25	2.23	34.98	27.93	18.2	0.156	1464.1
300.0	2.22	2.20	34.98	27.94	17.5	0.158	1464.2
310.0	2.19	2.17	34.98	27.94	17.6	0.160	1464.2
320.0	1.94	1.92	34.99	27.97	14.7	0.161	1463.3
330.0	1.57	1.56	34.94	27.95	15.7	0.163	1461.8
340.0	1.50	1.48	34.93	27.95	16.0	0.165	1461.6
350.0	1.48	1.46	34.91	27.94	17.0	0.166	1461.6
360.0	1.52	1.50	34.93	27.95	16.2	0.168	1462.0
370.0	1.46	1.44	34.93	27.96	15.3	0.169	1461.9
380.0	1.48	1.46	34.93	27.96	15.6	0.171	1462.2
390.0	1.49	1.47	34.96	27.98	13.9	0.173	1462.4
400.0	1.56	1.54	34.95	27.97	14.7	0.174	1462.9
410.0	1.47	1.45	34.95	27.97	14.0	0.175	1462.7
420.0	1.31	1.28	34.94	27.98	13.6	0.177	1462.1
430.0	1.19	1.17	34.93	27.97	13.8	0.178	1461.7
440.0	1.09	1.07	34.93	27.98	13.1	0.180	1461.4
450.0	1.05	1.03	34.92	27.97	13.7	0.181	1461.4
460.0	0.96	0.94	34.92	27.99	12.5	0.182	1461.2
470.0	0.92	0.89	34.91	27.98	12.8	0.184	1461.1
480.0	0.96	0.94	34.92	27.99	12.5	0.185	1461.5
490.0	0.98	0.96	34.93	27.99	12.0	0.186	1461.8
494.1	0.99	0.96	34.93	27.99	12.4	0.187	1461.9



FRAM 3 77 -1

4-22-81

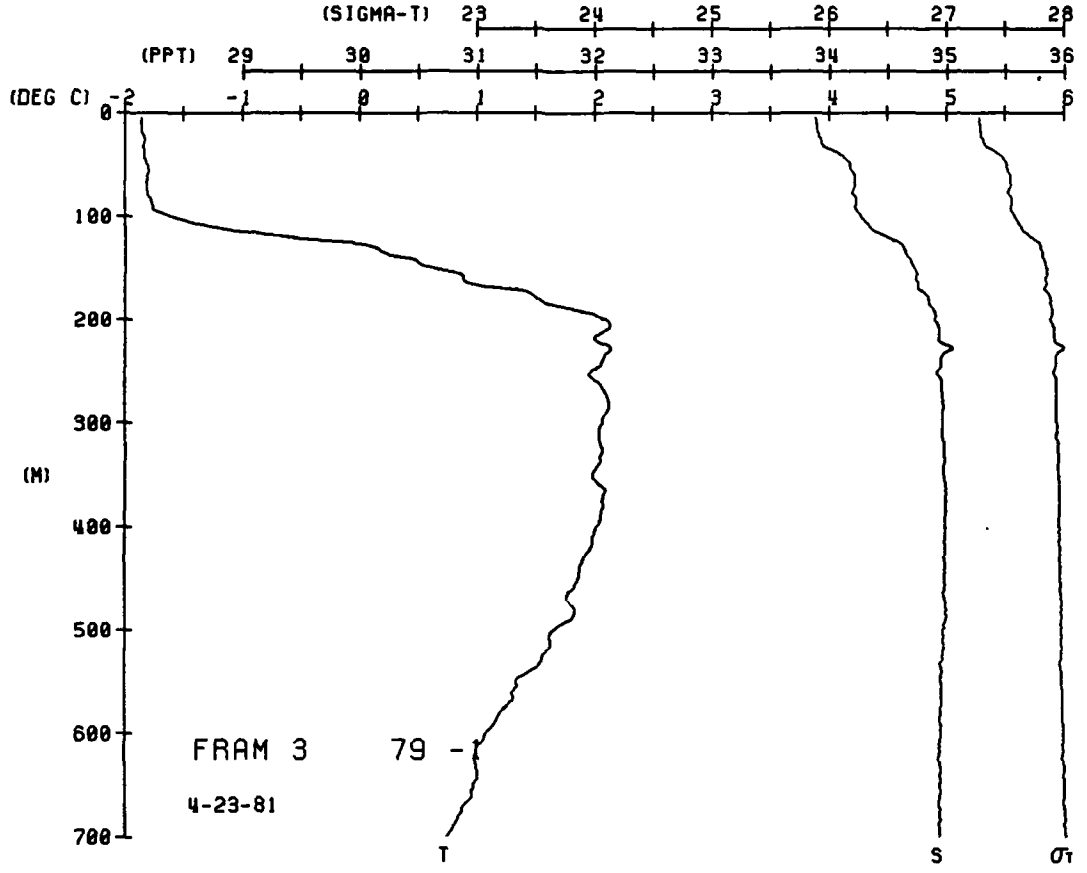


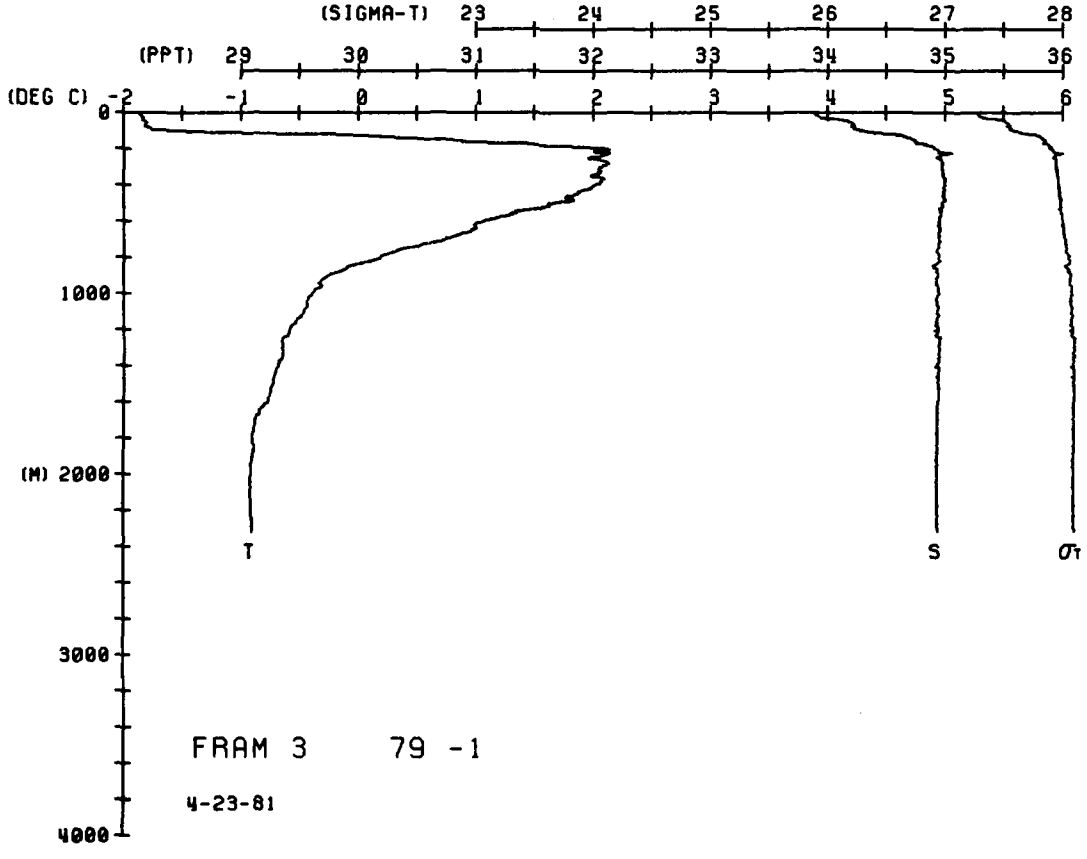
FRAM 3 78 -1

4-23-81

FRAM 3 STATION 79(1) CTD 23/APR/1981 1535 GMT CODE = 5
LAT = 82.3087N LNG = 6.1433E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	33.89	27.28	78.2	0.000	1439.1
4.9	-1.86	-1.86	33.89	27.28	78.2	0.004	1439.2
5.0	-1.86	-1.86	33.89	27.28	78.2	0.004	1439.2
10.0	-1.86	-1.86	33.90	27.29	77.4	0.008	1439.3
15.0	-1.86	-1.86	33.90	27.29	77.4	0.012	1439.3
20.0	-1.85	-1.85	33.92	27.30	76.2	0.016	1439.5
25.0	-1.83	-1.83	33.93	27.32	74.7	0.020	1439.7
30.0	-1.84	-1.84	33.95	27.33	73.4	0.023	1439.8
35.0	-1.84	-1.84	34.01	27.37	69.2	0.027	1439.9
40.0	-1.83	-1.83	34.10	27.45	61.8	0.030	1440.2
45.0	-1.82	-1.82	34.15	27.49	57.8	0.033	1440.4
50.0	-1.81	-1.81	34.18	27.51	55.8	0.036	1440.6
55.0	-1.79	-1.80	34.19	27.52	55.1	0.039	1440.7
60.0	-1.81	-1.81	34.22	27.55	52.7	0.042	1440.8
65.0	-1.81	-1.81	34.22	27.55	52.5	0.044	1440.9
70.0	-1.81	-1.81	34.23	27.55	51.9	0.047	1441.0
75.0	-1.81	-1.81	34.20	27.53	53.6	0.050	1441.0
80.0	-1.80	-1.80	34.23	27.55	52.1	0.052	1441.2
85.0	-1.77	-1.77	34.24	27.56	50.9	0.055	1441.4
90.0	-1.76	-1.76	34.23	27.55	51.7	0.057	1441.5
95.0	-1.73	-1.74	34.25	27.57	50.5	0.060	1441.8
100.0	-1.59	-1.59	34.28	27.59	48.0	0.062	1442.6
110.0	-1.26	-1.27	34.35	27.64	43.9	0.067	1444.4
120.0	-0.61	-0.62	34.49	27.72	35.9	0.071	1447.8
130.0	0.14	0.13	34.64	27.81	28.3	0.074	1451.6
140.0	0.39	0.39	34.68	27.83	26.6	0.077	1453.0
150.0	0.62	0.62	34.73	27.85	24.4	0.080	1454.2
160.0	0.89	0.88	34.75	27.85	24.5	0.082	1455.6
170.0	1.25	1.24	34.77	27.84	25.6	0.085	1457.4
180.0	1.52	1.51	34.85	27.89	21.2	0.087	1458.9
190.0	1.83	1.82	34.89	27.90	20.3	0.089	1460.5
200.0	2.10	2.09	34.91	27.89	21.6	0.091	1461.9
210.0	2.10	2.09	34.94	27.92	19.0	0.093	1462.1
220.0	2.02	2.01	34.94	27.92	18.5	0.095	1461.9
230.0	2.13	2.12	35.02	27.98	13.6	0.097	1462.7
240.0	2.07	2.05	34.96	27.93	17.7	0.099	1462.5
250.0	1.97	1.95	34.93	27.91	19.4	0.100	1462.2
260.0	2.04	2.02	34.96	27.94	17.2	0.102	1462.7
270.0	2.10	2.08	34.97	27.94	17.2	0.104	1463.1
280.0	2.13	2.11	34.97	27.94	17.2	0.106	1463.4
290.0	2.10	2.09	34.98	27.94	16.9	0.107	1463.5
300.0	2.07	2.05	34.97	27.95	16.8	0.109	1463.5
310.0	2.05	2.03	34.97	27.95	16.8	0.111	1463.6
320.0	2.05	2.04	34.98	27.95	16.2	0.113	1463.8
330.0	2.05	2.03	34.99	27.96	16.0	0.114	1463.9
340.0	2.04	2.02	34.98	27.96	16.1	0.116	1464.0
350.0	1.99	1.97	34.98	27.96	16.0	0.117	1464.0
360.0	2.06	2.04	35.00	27.96	15.3	0.119	1464.5
370.0	2.08	2.05	35.00	27.97	15.3	0.121	1464.7
380.0	2.08	2.06	35.00	27.96	15.6	0.122	1464.9
390.0	2.06	2.03	35.00	27.97	15.3	0.124	1465.0
400.0	2.02	1.99	35.00	27.97	14.8	0.125	1465.0
410.0	1.99	1.97	35.00	27.97	14.8	0.127	1465.0
420.0	1.98	1.95	35.00	27.97	14.8	0.128	1465.1
430.0	1.91	1.89	34.99	27.97	14.6	0.130	1465.0
440.0	1.88	1.86	34.99	27.97	14.6	0.131	1465.0
450.0	1.86	1.84	34.99	27.97	14.7	0.133	1465.1
460.0	1.82	1.79	34.99	27.98	14.5	0.134	1465.1
470.0	1.76	1.74	34.99	27.98	13.7	0.136	1465.0
480.0	1.83	1.81	35.00	27.98	13.9	0.137	1465.5
490.0	1.79	1.76	34.99	27.98	13.8	0.138	1465.4
500.0	1.65	1.62	34.97	27.98	14.2	0.140	1465.0
530.0	1.55	1.52	34.96	27.98	14.5	0.144	1465.0
560.0	1.30	1.27	34.96	28.00	12.3	0.148	1464.4
590.0	1.15	1.12	34.96	28.00	11.7	0.152	1464.2
620.0	1.00	0.96	34.95	28.00	11.4	0.155	1464.0
650.0	0.97	0.94	34.95	28.01	10.7	0.159	1464.4
680.0	0.84	0.81	34.95	28.02	9.9	0.162	1464.4
710.0	0.72	0.69	34.96	28.03	8.7	0.165	1464.3
740.0	0.50	0.47	34.95	28.04	7.6	0.167	1463.8
790.0	0.21	0.18	34.96	28.06	4.9	0.170	1463.4
840.0	-0.03	-0.06	34.92	28.04	6.0	0.173	1463.1
890.0	-0.19	-0.23	34.94	28.07	3.3	0.175	1463.2
940.0	-0.32	-0.37	34.93	28.07	2.7	0.177	1463.4
990.0	-0.37	-0.41	34.94	28.08	1.7	0.178	1464.0
1040.0	-0.43	-0.48	34.93	28.07	2.3	0.179	1464.6
1090.0	-0.46	-0.50	34.94	28.08	1.2	0.180	1465.3
1140.0	-0.51	-0.55	34.92	28.06	2.3	0.181	1465.9
1190.0	-0.58	-0.63	34.94	28.09	-0.2	0.181	1466.5
1240.0	-0.62	-0.67	34.94	28.09	-0.5	0.181	1467.1
1290.0	-0.65	-0.71	34.95	28.09	-1.3	0.181	1467.8
1340.0	-0.65	-0.71	34.95	28.10	-1.8	0.180	1468.7
1390.0	-0.68	-0.74	34.94	28.09	-1.0	0.179	1469.4
1440.0	-0.71	-0.77	34.94	28.09	-1.7	0.179	1470.1
1490.0	-0.73	-0.79	34.93	28.09	-1.3	0.178	1470.9
1540.0	-0.75	-0.81	34.94	28.10	-2.2	0.177	1471.6
1590.0	-0.76	-0.84	34.94	28.10	-2.3	0.176	1472.4
1640.0	-0.83	-0.90	34.94	28.10	-2.7	0.175	1472.9
1690.0	-0.87	-0.95	34.93	28.09	-2.8	0.173	1473.6
1740.0	-0.88	-0.96	34.94	28.10	-3.4	0.172	1474.4
1790.0	-0.90	-0.99	34.93	28.10	-3.6	0.170	1475.2
1840.0	-0.88	-0.97	34.93	28.09	-2.8	0.168	1476.1
1890.0	-0.89	-0.98	34.94	28.10	-3.8	0.166	1476.9
1940.0	-0.91	-1.00	34.94	28.10	-4.1	0.164	1477.7
1990.0	-0.92	-1.01	34.93	28.10	-3.9	0.162	1478.5
2040.0	-0.92	-1.02	34.93	28.10	-4.2	0.160	1479.4
2090.0	-0.92	-1.02	34.94	28.10	-4.5	0.158	1480.2
2140.0	-0.92	-1.02	34.93	28.09	-4.2	0.156	1481.1
2190.0	-0.92	-1.02	34.94	28.10	-4.6	0.154	1482.0
2240.0	-0.90	-1.02	34.93	28.10	-4.5	0.151	1482.9
2290.0	-0.90	-1.02	34.94	28.10	-4.8	0.149	1483.8
2318.8	-0.90	-1.02	34.94	28.10	-5.1	0.147	1484.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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200
300
(M)
400
500
600
700
FRAM 3 79 -1
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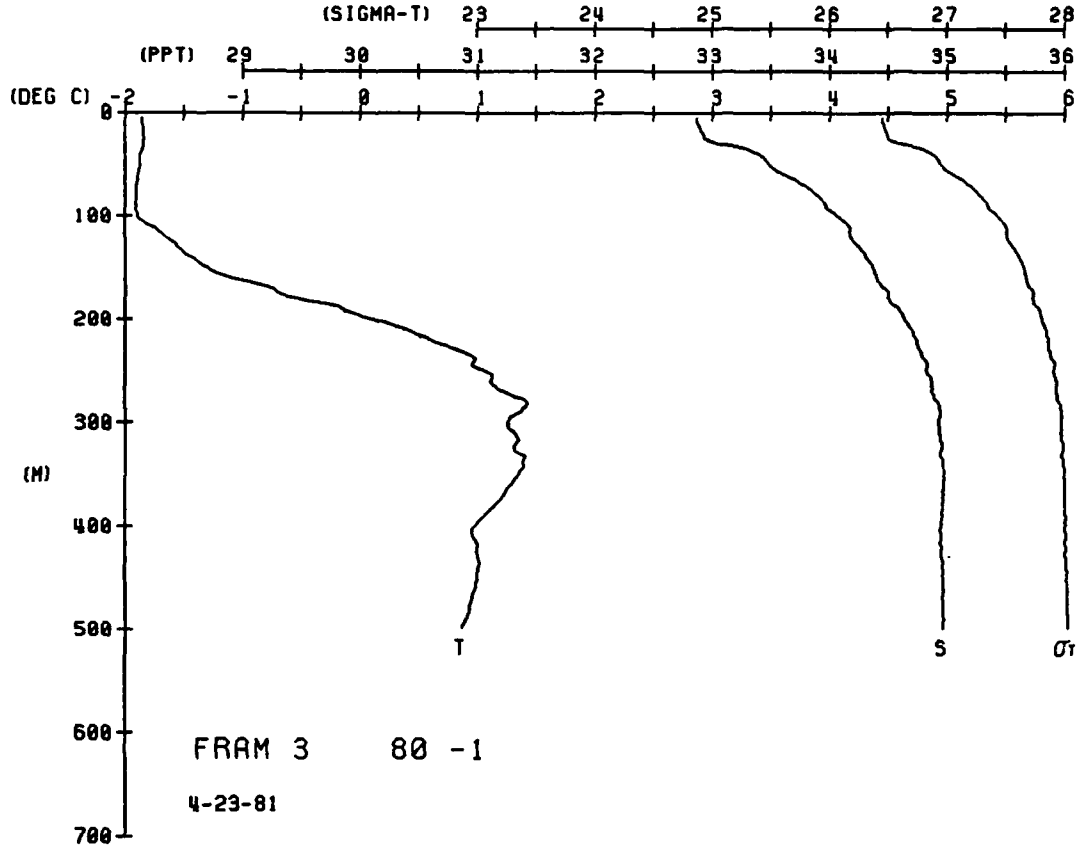

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
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4-23-81
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FRAM 3 STATION 80(1) CTD 23/APR/1981 1542 GMT CODE = 5
LAT = 83.0417N LNG = 6.0650E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	32.86	26.45	157.4	0.000	1437.7
4.0	-1.86	-1.86	32.86	26.45	157.4	0.006	1437.7
5.0	-1.85	-1.85	32.87	26.45	157.0	0.008	1437.7
10.0	-1.85	-1.85	32.89	26.46	155.5	0.016	1437.9
15.0	-1.85	-1.85	32.91	26.48	154.1	0.024	1438.0
20.0	-1.84	-1.84	32.92	26.49	152.6	0.031	1438.1
25.0	-1.84	-1.84	32.94	26.51	151.2	0.039	1438.3
30.0	-1.84	-1.84	33.07	26.61	141.1	0.047	1438.5
35.0	-1.85	-1.85	33.30	26.80	123.6	0.053	1438.9
40.0	-1.87	-1.87	33.40	26.88	115.6	0.059	1439.0
45.0	-1.88	-1.88	33.46	26.93	111.0	0.065	1439.1
50.0	-1.88	-1.88	33.49	26.96	108.6	0.071	1439.3
55.0	-1.88	-1.88	33.54	27.00	104.6	0.076	1439.4
60.0	-1.88	-1.89	33.62	27.06	98.8	0.081	1439.6
65.0	-1.89	-1.89	33.71	27.14	91.4	0.086	1439.8
70.0	-1.90	-1.90	33.79	27.20	85.6	0.090	1439.9
75.0	-1.90	-1.90	33.85	27.25	80.6	0.095	1440.1
80.0	-1.90	-1.90	33.89	27.28	77.3	0.099	1440.2
85.0	-1.90	-1.91	33.95	27.33	73.3	0.102	1440.3
90.0	-1.90	-1.91	33.97	27.35	71.0	0.106	1440.5
95.0	-1.89	-1.90	34.02	27.39	67.2	0.109	1440.7
100.0	-1.88	-1.89	34.09	27.44	62.1	0.113	1440.9
110.0	-1.77	-1.77	34.18	27.51	55.5	0.119	1441.7
120.0	-1.65	-1.65	34.18	27.51	55.7	0.124	1442.5
130.0	-1.55	-1.55	34.26	27.57	49.7	0.130	1443.2
140.0	-1.44	-1.44	34.32	27.62	45.3	0.134	1444.0
150.0	-1.30	-1.30	34.37	27.66	41.8	0.139	1444.9
160.0	-1.09	-1.10	34.41	27.68	40.1	0.143	1446.1
170.0	-0.75	-0.75	34.48	27.73	35.6	0.147	1448.0
180.0	-0.52	-0.52	34.51	27.74	34.5	0.150	1449.2
190.0	-0.13	-0.14	34.60	27.79	29.4	0.154	1451.3
200.0	0.12	0.11	34.64	27.81	27.9	0.156	1452.7
210.0	0.40	0.39	34.71	27.85	24.5	0.159	1454.2
220.0	0.61	0.60	34.75	27.87	22.8	0.162	1455.4
230.0	0.85	0.83	34.78	27.88	22.2	0.164	1456.6
240.0	0.98	0.97	34.83	27.91	19.2	0.166	1457.5
250.0	1.08	1.07	34.83	27.90	19.7	0.168	1458.1
260.0	1.12	1.10	34.87	27.93	17.2	0.170	1458.5
270.0	1.24	1.22	34.88	27.93	17.2	0.171	1459.2
280.0	1.43	1.42	34.93	27.96	14.8	0.173	1460.3
290.0	1.35	1.33	34.94	27.97	13.4	0.175	1460.1
300.0	1.26	1.25	34.93	27.97	13.7	0.176	1459.9
310.0	1.32	1.31	34.94	27.97	13.5	0.177	1460.3
320.0	1.33	1.31	34.96	27.99	12.3	0.179	1460.5
330.0	1.37	1.35	34.94	27.97	14.0	0.180	1460.9
340.0	1.39	1.37	34.96	27.99	12.4	0.181	1461.1
350.0	1.34	1.33	34.97	28.00	11.3	0.182	1461.1
360.0	1.28	1.27	34.97	28.00	10.9	0.184	1461.0
370.0	1.22	1.20	34.97	28.01	10.7	0.185	1460.9
380.0	1.15	1.13	34.96	28.00	10.8	0.186	1460.7
390.0	1.06	1.04	34.96	28.01	10.3	0.187	1460.5
400.0	0.97	0.95	34.95	28.01	10.5	0.188	1460.3
410.0	0.97	0.95	34.95	28.01	10.2	0.189	1460.4
420.0	1.00	0.98	34.96	28.01	10.2	0.190	1460.7
430.0	1.01	0.99	34.96	28.01	10.4	0.191	1460.9
440.0	1.01	0.99	34.97	28.02	9.1	0.192	1461.2
450.0	1.00	0.98	34.96	28.02	9.8	0.193	1461.2
460.0	0.98	0.96	34.97	28.02	9.0	0.194	1461.3
470.0	0.96	0.93	34.96	28.02	9.4	0.195	1461.4
480.0	0.93	0.91	34.96	28.02	9.3	0.196	1461.4
490.0	0.91	0.88	34.97	28.03	8.6	0.197	1461.5
499.0	0.87	0.84	34.97	28.03	8.1	0.197	1461.5

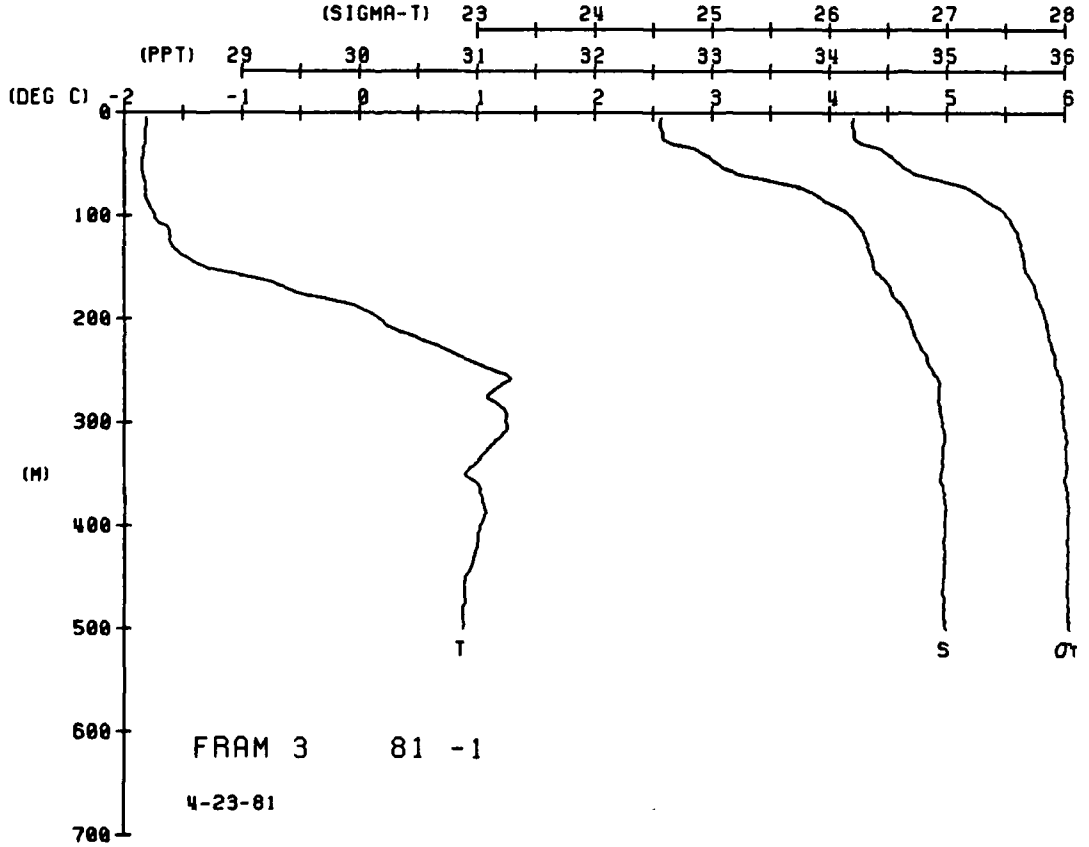
FRAM 3 STATION 81(1) CTD 23/APR/1981 1704 GMT CODE = 5
LAT = 83.3833N LNG = 6.1550E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.81	-1.81	32.57	26.20	180.4	0.000	1437.4
4.0	-1.81	-1.81	32.57	26.20	180.4	0.007	1437.5
5.0	-1.81	-1.81	32.57	26.20	180.4	0.009	1437.5
10.0	-1.81	-1.81	32.56	26.20	180.6	0.018	1437.6
15.0	-1.82	-1.82	32.57	26.21	180.0	0.027	1437.7
20.0	-1.82	-1.82	32.58	26.22	179.0	0.036	1437.8
25.0	-1.82	-1.82	32.59	26.22	178.7	0.046	1437.9
30.0	-1.82	-1.82	32.67	26.29	172.2	0.054	1438.0
35.0	-1.83	-1.83	32.85	26.43	158.6	0.063	1438.3
40.0	-1.84	-1.84	32.93	26.50	152.0	0.071	1438.5
45.0	-1.85	-1.85	33.00	26.55	146.7	0.078	1438.6
50.0	-1.85	-1.85	33.06	26.60	142.2	0.085	1438.8
55.0	-1.85	-1.85	33.12	26.66	136.9	0.092	1439.0
60.0	-1.84	-1.84	33.26	26.76	126.7	0.099	1439.3
65.0	-1.83	-1.83	33.45	26.92	111.6	0.105	1439.7
70.0	-1.82	-1.82	33.66	27.09	95.7	0.110	1440.1
75.0	-1.82	-1.82	33.80	27.21	84.6	0.115	1440.4
80.0	-1.82	-1.82	33.88	27.27	78.7	0.119	1440.6
85.0	-1.80	-1.81	33.96	27.34	72.3	0.123	1440.8
90.0	-1.78	-1.79	34.05	27.41	65.8	0.126	1441.1
95.0	-1.76	-1.76	34.13	27.47	59.3	0.130	1441.5
100.0	-1.74	-1.74	34.19	27.52	55.0	0.132	1441.7
110.0	-1.65	-1.65	34.25	27.57	50.4	0.138	1442.4
120.0	-1.61	-1.61	34.30	27.61	46.4	0.143	1442.8
130.0	-1.58	-1.58	34.34	27.63	43.9	0.147	1443.2
140.0	-1.48	-1.48	34.37	27.66	41.8	0.152	1443.9
150.0	-1.29	-1.29	34.39	27.67	40.8	0.156	1445.0
160.0	-0.89	-0.90	34.46	27.71	36.7	0.160	1447.1
170.0	-0.62	-0.62	34.52	27.75	33.1	0.163	1448.6
180.0	-0.29	-0.30	34.57	27.78	31.0	0.166	1450.3
190.0	0.02	0.02	34.64	27.82	27.4	0.169	1452.1
200.0	0.19	0.18	34.69	27.84	25.0	0.172	1453.1
210.0	0.30	0.29	34.71	27.86	23.6	0.174	1453.7
220.0	0.53	0.53	34.75	27.88	21.9	0.177	1455.0
230.0	0.75	0.74	34.80	27.90	19.8	0.179	1456.2
240.0	0.94	0.93	34.84	27.92	18.3	0.181	1457.3
250.0	1.16	1.15	34.88	27.94	16.8	0.183	1458.5
260.0	1.26	1.25	34.94	27.98	13.0	0.184	1459.2
270.0	1.13	1.12	34.93	27.98	12.4	0.185	1458.8
280.0	1.15	1.14	34.93	27.98	12.7	0.187	1459.1
290.0	1.25	1.23	34.95	27.99	12.3	0.188	1459.7
300.0	1.25	1.24	34.96	28.00	11.2	0.189	1459.9
310.0	1.23	1.22	34.99	28.02	9.2	0.190	1460.0
320.0	1.14	1.13	34.98	28.02	9.2	0.191	1459.7
330.0	1.06	1.04	34.97	28.02	9.3	0.192	1459.5
340.0	0.99	0.97	34.97	28.02	8.7	0.193	1459.4
350.0	0.91	0.89	34.95	28.02	9.4	0.194	1459.1
360.0	1.02	1.00	34.97	28.02	9.1	0.195	1459.9
370.0	1.03	1.02	34.98	28.03	8.6	0.196	1460.1
380.0	1.06	1.04	34.99	28.03	8.3	0.197	1460.4
390.0	1.07	1.05	34.99	28.03	7.9	0.197	1460.6
400.0	1.03	1.01	34.99	28.03	8.0	0.198	1460.6
410.0	1.01	0.99	34.98	28.03	8.3	0.199	1460.7
420.0	1.00	0.98	34.98	28.03	8.1	0.200	1460.8
430.0	0.98	0.96	34.98	28.03	8.2	0.201	1460.8
440.0	0.95	0.93	34.98	28.03	8.1	0.201	1460.9
450.0	0.90	0.88	34.98	28.03	7.9	0.202	1460.8
460.0	0.89	0.87	34.97	28.03	8.5	0.203	1460.9
470.0	0.90	0.88	34.98	28.04	7.8	0.204	1461.1
480.0	0.89	0.86	34.98	28.04	7.3	0.205	1461.3
490.0	0.89	0.87	34.99	28.04	7.1	0.205	1461.4
500.0	0.88	0.86	35.00	28.05	6.2	0.206	1461.6
500.0	0.88	0.86	35.00	28.05	6.2	0.206	1461.6



FRAM 3 80 -1

4-23-81

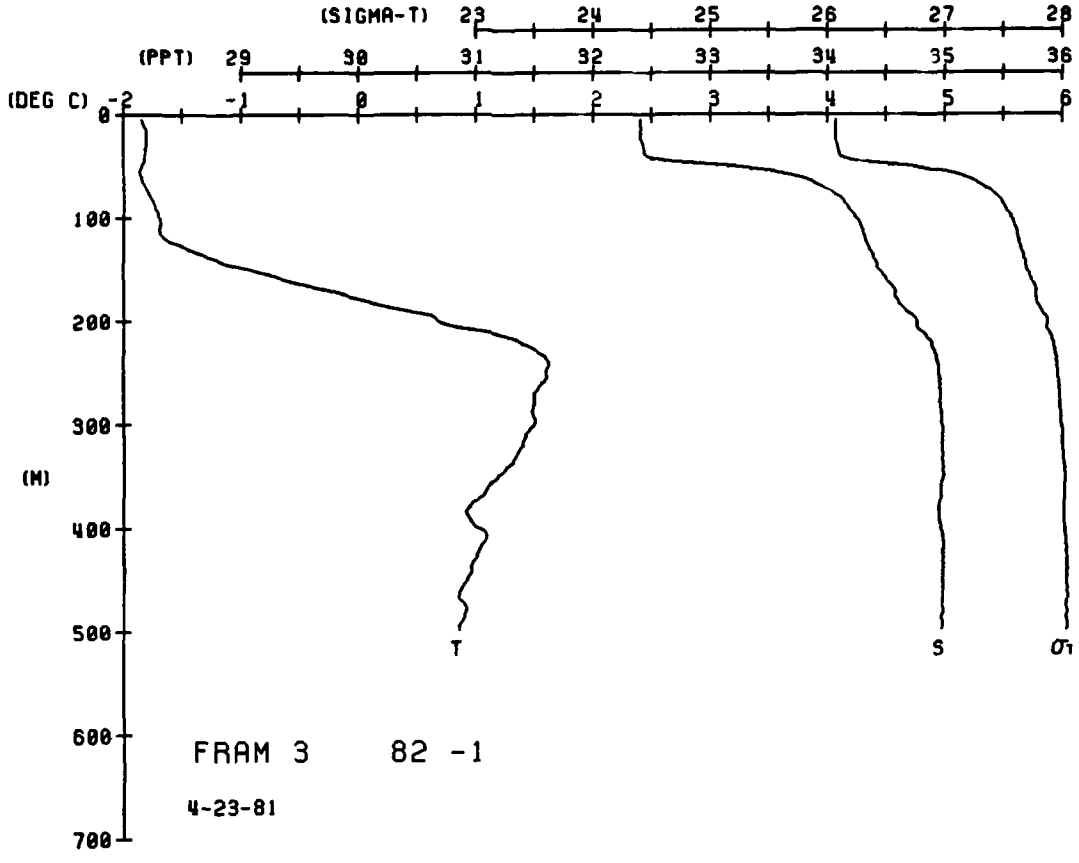


FRAM 3 81 -1

4-23-81

FRAM 3 STATION 82(1) CTD 23/APR/1981 1804 GMT CODE = 5
LAT = 83.5750N LNG = 6.0733E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	32.40	26.07	193.2	0.000	1437.0
4.0	-1.85	-1.85	32.40	26.07	193.2	0.008	1437.1
5.0	-1.84	-1.84	32.40	26.07	192.8	0.010	1437.1
10.0	-1.82	-1.82	32.41	26.08	192.4	0.020	1437.3
15.0	-1.80	-1.80	32.41	26.08	192.3	0.029	1437.5
20.0	-1.80	-1.80	32.41	26.07	192.4	0.039	1437.6
25.0	-1.80	-1.80	32.41	26.08	192.1	0.049	1437.7
30.0	-1.80	-1.81	32.43	26.09	190.8	0.058	1437.8
35.0	-1.81	-1.81	32.44	26.10	190.1	0.068	1437.8
40.0	-1.82	-1.82	32.46	26.12	188.3	0.078	1437.9
45.0	-1.82	-1.82	32.67	26.28	172.3	0.087	1438.3
50.0	-1.84	-1.84	33.15	26.68	134.6	0.094	1439.0
55.0	-1.86	-1.86	33.54	26.99	105.1	0.100	1439.5
60.0	-1.85	-1.85	33.75	27.16	88.9	0.105	1439.9
65.0	-1.84	-1.84	33.86	27.25	80.5	0.110	1440.2
70.0	-1.81	-1.81	33.95	27.33	73.0	0.114	1440.6
75.0	-1.79	-1.79	34.04	27.40	66.4	0.117	1440.9
80.0	-1.77	-1.77	34.11	27.45	61.2	0.120	1441.1
85.0	-1.75	-1.75	34.15	27.49	58.2	0.123	1441.4
90.0	-1.73	-1.73	34.18	27.51	55.6	0.126	1441.6
95.0	-1.71	-1.71	34.22	27.54	52.8	0.129	1441.8
100.0	-1.69	-1.69	34.25	27.57	50.4	0.132	1442.1
110.0	-1.69	-1.69	34.30	27.61	46.7	0.136	1442.3
120.0	-1.64	-1.64	34.32	27.62	44.9	0.141	1442.7
130.0	-1.45	-1.45	34.36	27.65	42.4	0.145	1443.9
140.0	-1.21	-1.22	34.40	27.68	40.0	0.150	1445.2
150.0	-0.91	-0.92	34.44	27.70	37.9	0.154	1446.8
160.0	-0.62	-0.62	34.51	27.74	34.3	0.157	1448.4
170.0	-0.25	-0.25	34.58	27.78	30.6	0.161	1450.4
180.0	0.07	0.06	34.60	27.78	30.4	0.164	1452.0
190.0	0.43	0.42	34.67	27.82	27.5	0.167	1453.9
200.0	0.68	0.68	34.76	27.88	22.1	0.169	1455.4
210.0	1.10	1.09	34.81	27.89	21.4	0.171	1457.5
220.0	1.38	1.37	34.88	27.92	18.0	0.173	1459.0
230.0	1.54	1.52	34.92	27.94	16.6	0.175	1459.9
240.0	1.63	1.61	34.94	27.96	15.2	0.177	1460.5
250.0	1.60	1.59	34.95	27.96	14.4	0.178	1460.6
260.0	1.56	1.55	34.96	27.98	13.4	0.180	1460.6
270.0	1.50	1.49	34.97	27.98	12.7	0.181	1460.5
280.0	1.50	1.49	34.96	27.98	13.0	0.182	1460.6
290.0	1.49	1.48	34.98	27.99	12.0	0.183	1460.8
300.0	1.50	1.48	34.98	28.00	11.7	0.185	1461.0
310.0	1.43	1.41	34.98	28.00	11.2	0.186	1460.8
320.0	1.39	1.38	34.97	28.00	11.5	0.187	1460.8
330.0	1.34	1.32	34.98	28.01	10.7	0.188	1460.8
340.0	1.27	1.25	34.98	28.01	9.8	0.189	1460.6
350.0	1.18	1.16	34.99	28.02	9.1	0.190	1460.4
360.0	1.10	1.09	34.96	28.01	10.5	0.191	1460.2
370.0	1.04	1.02	34.96	28.01	10.0	0.192	1460.1
380.0	0.93	0.91	34.95	28.01	10.2	0.193	1459.8
390.0	0.96	0.94	34.95	28.01	10.2	0.194	1460.0
400.0	1.04	1.02	34.97	28.02	9.6	0.195	1460.6
410.0	1.09	1.07	34.98	28.03	8.8	0.196	1461.0
420.0	1.03	1.01	34.99	28.03	8.2	0.197	1460.9
430.0	0.99	0.97	34.98	28.03	8.1	0.198	1460.9
440.0	0.95	0.93	34.98	28.03	8.3	0.199	1460.9
450.0	0.91	0.89	34.97	28.03	8.4	0.199	1460.9
460.0	0.86	0.84	34.97	28.03	8.2	0.200	1460.8
470.0	0.88	0.86	34.97	28.03	8.4	0.201	1461.0
480.0	0.91	0.89	34.98	28.03	8.0	0.202	1461.4
490.0	0.88	0.85	34.97	28.03	8.2	0.203	1461.4
498.0	0.86	0.83	34.97	28.03	8.3	0.203	1461.4

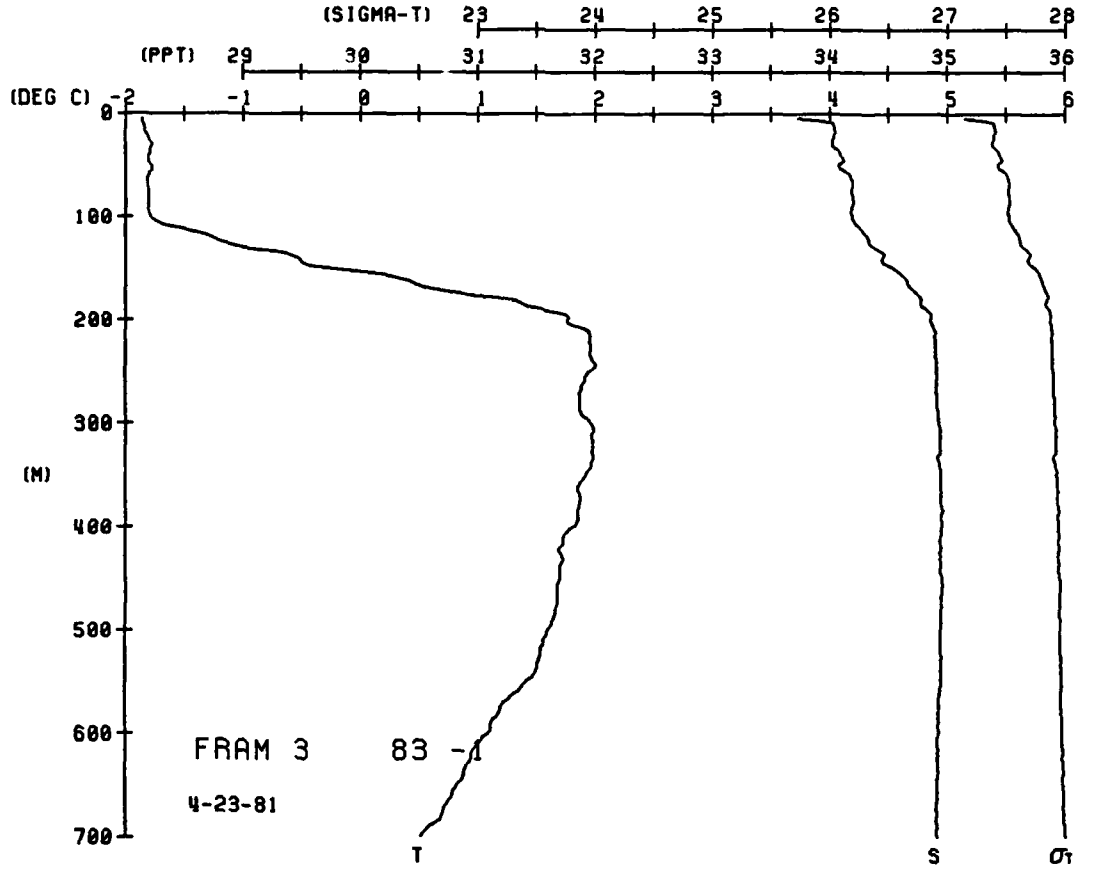


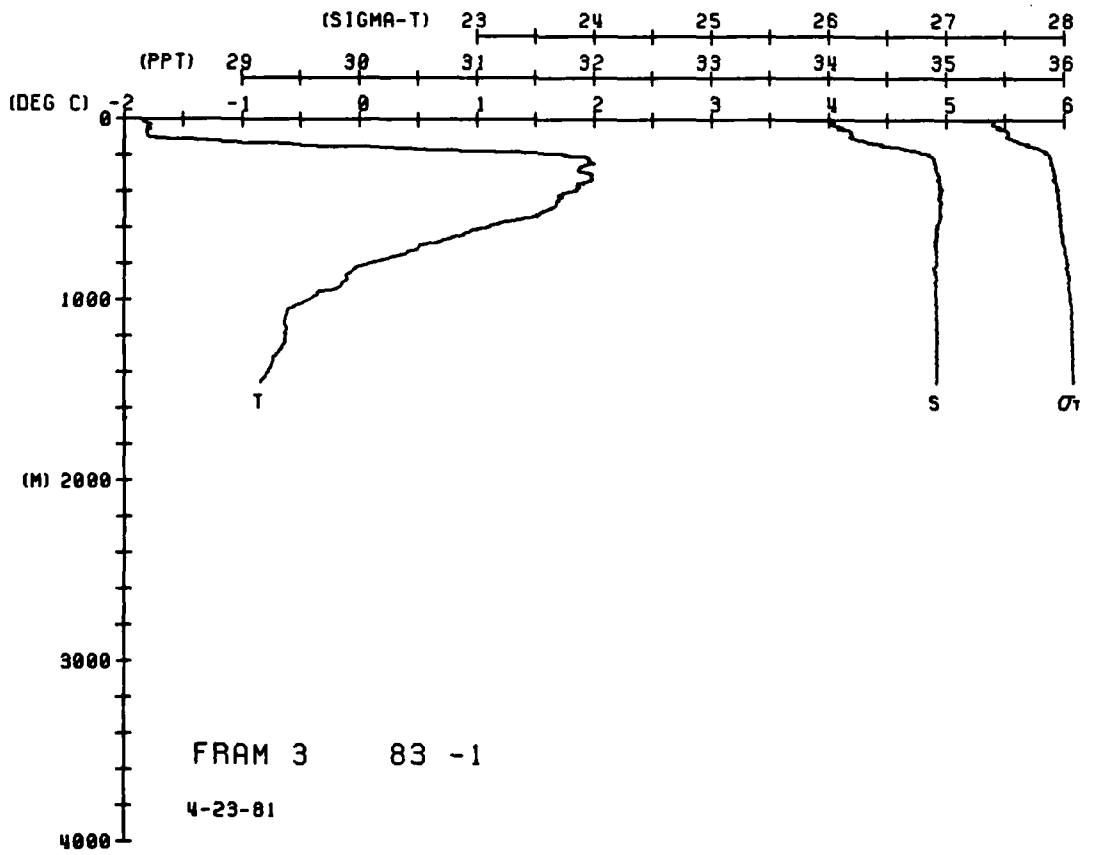
FRAM 3 82 -1

4-23-81

FRAM 3 STATION 83(1) CTD 23/APR/1981 2215 GMT CODE = 5
LAT = 82.2895N LNG = 6.0652E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

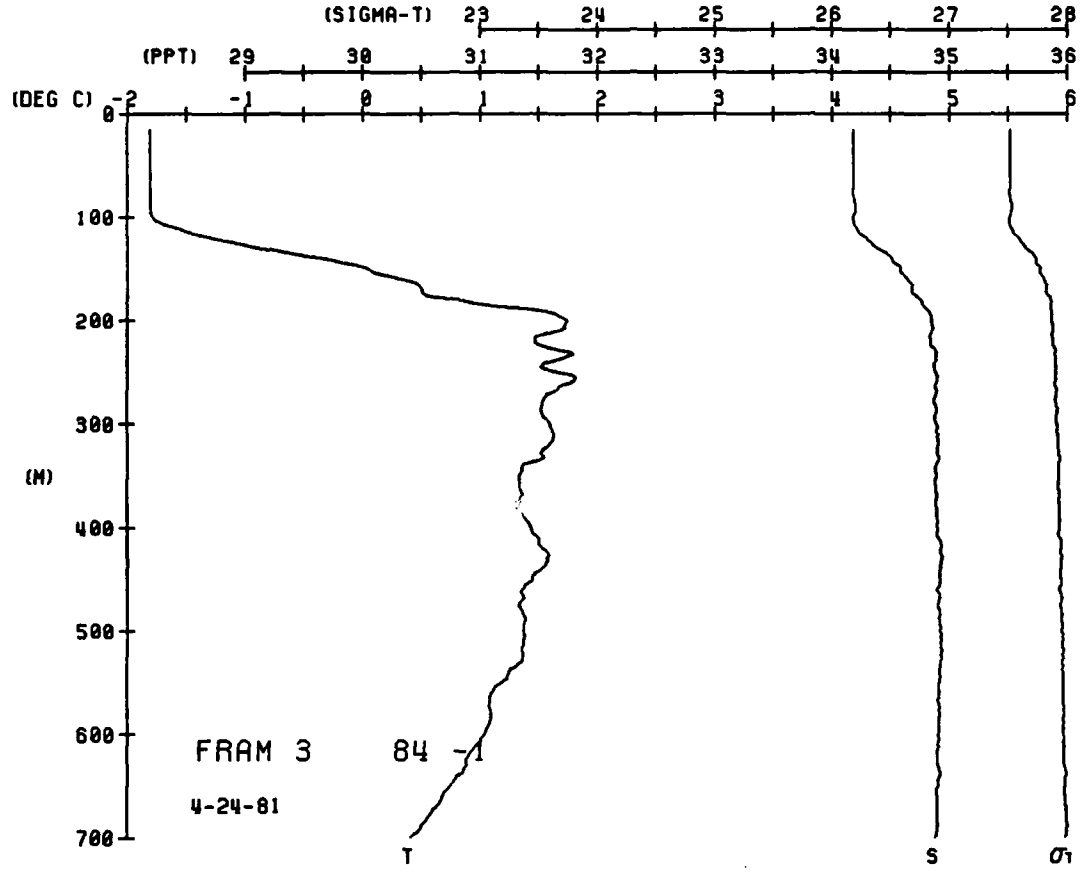
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	33.61	27.05	99.7	0.000	1438.7
4.0	-1.86	-1.86	33.61	27.05	99.6	0.004	1438.7
5.0	-1.86	-1.86	33.74	27.16	89.6	0.005	1439.0
10.0	-1.85	-1.85	34.04	27.40	66.8	0.009	1439.5
15.0	-1.84	-1.84	34.05	27.41	66.2	0.012	1439.7
20.0	-1.81	-1.81	34.04	27.40	66.3	0.016	1439.8
25.0	-1.79	-1.79	34.03	27.40	67.1	0.019	1440.0
30.0	-1.77	-1.78	34.03	27.39	67.6	0.022	1440.2
35.0	-1.78	-1.79	34.07	27.43	64.0	0.026	1440.3
40.0	-1.80	-1.80	34.10	27.45	61.8	0.029	1440.3
45.0	-1.80	-1.80	34.12	27.47	60.3	0.032	1440.4
50.0	-1.78	-1.78	34.08	27.43	63.4	0.035	1440.6
55.0	-1.78	-1.78	34.13	27.48	59.3	0.038	1440.7
60.0	-1.80	-1.80	34.18	27.52	55.4	0.041	1440.8
65.0	-1.81	-1.81	34.20	27.53	54.4	0.044	1440.8
70.0	-1.81	-1.81	34.20	27.53	54.0	0.047	1440.9
75.0	-1.80	-1.80	34.19	27.52	55.0	0.049	1441.0
80.0	-1.80	-1.81	34.20	27.53	54.1	0.052	1441.1
85.0	-1.80	-1.81	34.20	27.53	53.8	0.055	1441.2
90.0	-1.80	-1.80	34.19	27.52	54.6	0.058	1441.3
95.0	-1.79	-1.80	34.19	27.52	54.9	0.060	1441.4
100.0	-1.78	-1.78	34.20	27.53	54.1	0.063	1441.6
110.0	-1.58	-1.58	34.26	27.57	50.0	0.068	1442.7
120.0	-1.26	-1.26	34.33	27.62	45.4	0.073	1444.5
130.0	-0.96	-0.97	34.40	27.67	41.3	0.078	1446.2
140.0	-0.53	-0.54	34.45	27.69	39.0	0.082	1448.4
150.0	-0.23	-0.24	34.56	27.76	32.3	0.085	1450.1
160.0	0.38	0.37	34.65	27.81	28.5	0.088	1453.2
170.0	0.64	0.63	34.71	27.84	25.9	0.091	1454.6
180.0	1.28	1.27	34.78	27.85	24.9	0.094	1457.8
190.0	1.58	1.57	34.84	27.87	22.9	0.096	1459.3
200.0	1.76	1.75	34.86	27.88	22.4	0.098	1460.3
210.0	1.94	1.93	34.90	27.89	21.0	0.101	1461.4
220.0	1.96	1.95	34.90	27.90	21.0	0.103	1461.6
230.0	1.96	1.95	34.90	27.90	21.0	0.105	1461.8
240.0	1.99	1.98	34.91	27.90	20.8	0.107	1462.1
250.0	1.95	1.93	34.92	27.91	19.9	0.109	1462.1
260.0	1.91	1.89	34.91	27.91	19.7	0.111	1462.0
270.0	1.88	1.86	34.92	27.91	19.4	0.113	1462.1
280.0	1.88	1.86	34.92	27.92	19.4	0.115	1462.2
290.0	1.89	1.87	34.93	27.92	18.9	0.117	1462.5
300.0	1.97	1.96	34.93	27.92	19.2	0.119	1463.0
310.0	1.98	1.96	34.94	27.93	18.5	0.121	1463.2
320.0	1.98	1.96	34.94	27.92	18.9	0.123	1463.4
330.0	1.99	1.97	34.93	27.92	19.5	0.125	1463.6
340.0	1.97	1.95	34.95	27.93	18.3	0.127	1463.7
350.0	1.92	1.90	34.95	27.94	17.8	0.128	1463.6
360.0	1.86	1.84	34.95	27.94	17.1	0.130	1463.5
370.0	1.88	1.86	34.95	27.94	17.3	0.132	1463.8
380.0	1.87	1.84	34.96	27.95	16.7	0.134	1463.9
390.0	1.86	1.84	34.95	27.94	17.2	0.135	1464.0
400.0	1.81	1.79	34.95	27.95	16.7	0.137	1464.0
410.0	1.74	1.71	34.95	27.95	16.3	0.139	1463.8
420.0	1.70	1.67	34.95	27.95	16.2	0.140	1463.8
430.0	1.73	1.71	34.95	27.95	16.8	0.142	1464.1
440.0	1.71	1.68	34.94	27.95	16.9	0.144	1464.2
450.0	1.70	1.68	34.96	27.96	15.7	0.145	1464.3
460.0	1.68	1.65	34.96	27.96	15.6	0.147	1464.4
470.0	1.67	1.65	34.95	27.96	16.1	0.149	1464.6
480.0	1.66	1.64	34.95	27.96	16.3	0.150	1464.7
490.0	1.64	1.61	34.95	27.96	15.8	0.152	1464.7
500.0	1.60	1.57	34.95	27.97	15.3	0.153	1464.7
530.0	1.52	1.49	34.95	27.97	15.2	0.158	1464.9
560.0	1.33	1.30	34.94	27.98	14.3	0.162	1464.5
590.0	1.11	1.08	34.93	27.98	13.6	0.167	1464.0
620.0	0.94	0.91	34.92	27.99	12.7	0.171	1463.8
650.0	0.82	0.79	34.92	27.99	12.2	0.175	1463.7
680.0	0.69	0.65	34.91	28.00	11.5	0.178	1463.6
710.0	0.50	0.47	34.91	28.01	10.2	0.181	1463.3
740.0	0.40	0.37	34.92	28.02	9.0	0.184	1463.3
790.0	0.15	0.11	34.92	28.04	6.9	0.188	1463.0
840.0	-0.07	-0.11	34.91	28.03	6.5	0.192	1462.8
890.0	-0.10	-0.14	34.92	28.05	5.4	0.195	1463.5
940.0	-0.20	-0.24	34.91	28.05	5.1	0.197	1464.0
990.0	-0.40	-0.44	34.92	28.07	2.7	0.199	1463.9
1040.0	-0.55	-0.59	34.93	28.08	1.3	0.200	1464.0
1090.0	-0.63	-0.67	34.93	28.08	0.7	0.201	1464.5
1140.0	-0.63	-0.67	34.93	28.08	0.4	0.201	1465.4
1190.0	-0.62	-0.67	34.92	28.08	0.8	0.201	1466.2
1240.0	-0.63	-0.68	34.92	28.08	0.6	0.202	1467.0
1290.0	-0.69	-0.75	34.93	28.08	-0.2	0.202	1467.6
1340.0	-0.74	-0.80	34.93	28.08	-0.6	0.202	1468.2
1390.0	-0.77	-0.83	34.92	28.08	-0.8	0.201	1468.9
1440.0	-0.81	-0.88	34.92	28.09	-1.3	0.201	1469.6
1459.0	-0.84	-0.90	34.92	28.08	-1.1	0.201	1469.8

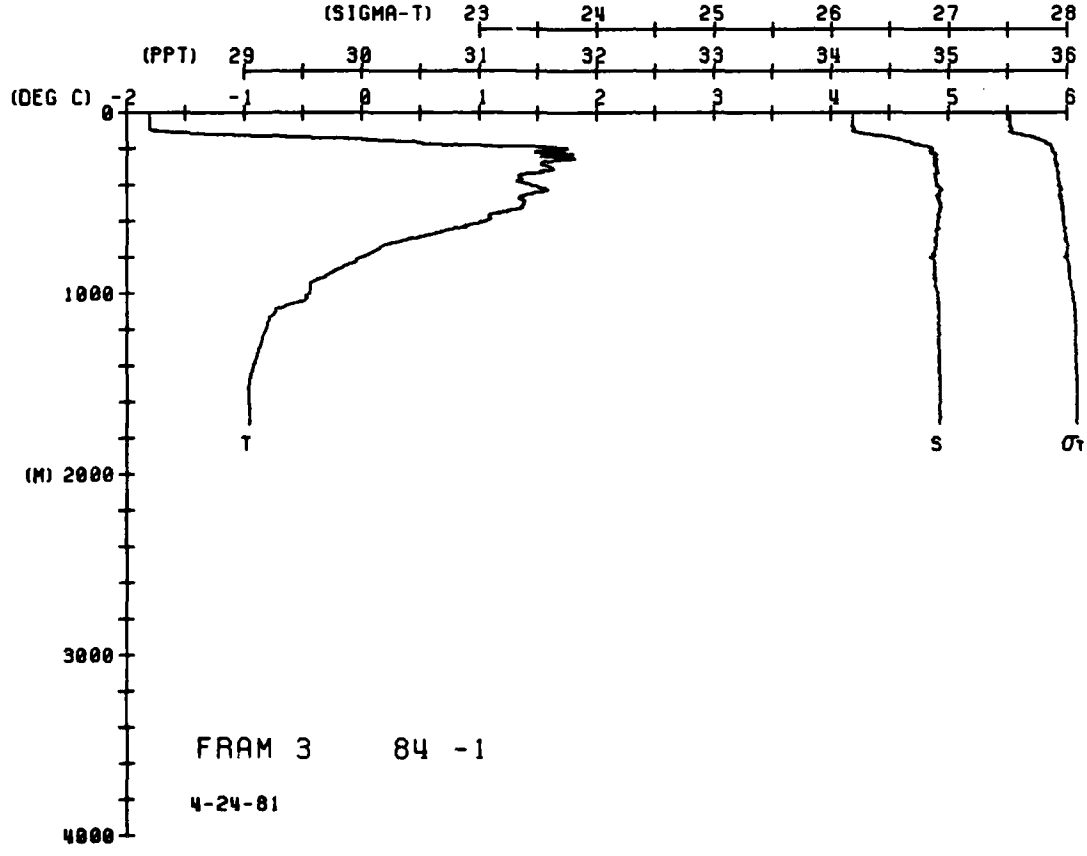

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(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 83 -1
4-23-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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FRAM 3 83 -1
4-23-81

FRAM 3 STATION 84(1) CTD 24/APR/1981 910 GMT CODE = 5
LAT = 82.2540N LNG = 6.0968E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	34.19	27.52	55.3	0.000	1439.8
5.0	-1.80	-1.81	34.19	27.52	55.4	0.003	1439.8
10.0	-1.80	-1.81	34.19	27.52	55.2	0.006	1439.9
14.8	-1.80	-1.81	34.19	27.52	55.2	0.008	1440.0
15.0	-1.80	-1.81	34.19	27.52	55.2	0.008	1440.0
20.0	-1.80	-1.81	34.19	27.52	55.1	0.011	1440.1
25.0	-1.80	-1.81	34.19	27.52	55.1	0.014	1440.2
30.0	-1.80	-1.81	34.19	27.52	55.1	0.017	1440.3
35.0	-1.80	-1.81	34.19	27.52	55.0	0.020	1440.3
40.0	-1.80	-1.81	34.19	27.52	55.0	0.022	1440.4
45.0	-1.80	-1.81	34.19	27.52	55.0	0.025	1440.5
50.0	-1.80	-1.81	34.19	27.52	54.9	0.028	1440.6
55.0	-1.80	-1.81	34.19	27.52	54.9	0.031	1440.7
60.0	-1.80	-1.81	34.19	27.52	54.9	0.033	1440.8
65.0	-1.80	-1.81	34.19	27.52	54.8	0.036	1440.8
70.0	-1.80	-1.81	34.19	27.53	54.6	0.039	1440.9
75.0	-1.80	-1.81	34.18	27.52	55.4	0.042	1441.0
80.0	-1.80	-1.81	34.19	27.52	54.5	0.044	1441.1
85.0	-1.80	-1.81	34.20	27.53	53.8	0.047	1441.2
90.0	-1.80	-1.80	34.21	27.53	53.5	0.050	1441.3
95.0	-1.80	-1.80	34.20	27.53	53.5	0.053	1441.4
100.0	-1.77	-1.78	34.19	27.52	54.6	0.055	1441.6
110.0	-1.59	-1.60	34.22	27.54	52.9	0.061	1442.6
120.0	-1.28	-1.28	34.30	27.60	47.7	0.066	1444.4
130.0	-0.87	-0.87	34.39	27.66	42.2	0.070	1446.6
140.0	-0.33	-0.34	34.52	27.73	34.9	0.074	1449.4
150.0	0.04	0.04	34.59	27.77	31.4	0.078	1451.4
160.0	0.35	0.35	34.65	27.81	28.3	0.081	1453.1
170.0	0.50	0.50	34.69	27.83	26.4	0.083	1454.0
180.0	0.80	0.79	34.77	27.87	22.6	0.086	1455.6
190.0	1.50	1.49	34.83	27.87	22.8	0.088	1459.0
200.0	1.75	1.74	34.86	27.88	22.2	0.091	1460.3
210.0	1.67	1.66	34.86	27.89	21.8	0.093	1460.1
220.0	1.48	1.47	34.85	27.89	21.5	0.095	1459.4
230.0	1.77	1.76	34.90	27.91	19.6	0.097	1460.9
240.0	1.60	1.59	34.88	27.91	19.5	0.099	1460.3
250.0	1.70	1.69	34.90	27.91	19.6	0.101	1460.9
260.0	1.77	1.76	34.90	27.91	20.1	0.103	1461.4
270.0	1.61	1.59	34.90	27.92	18.6	0.105	1460.9
280.0	1.54	1.52	34.89	27.92	19.0	0.107	1460.7
290.0	1.54	1.52	34.89	27.92	18.6	0.109	1460.9
300.0	1.61	1.59	34.90	27.92	18.4	0.111	1461.4
310.0	1.63	1.61	34.91	27.93	18.3	0.112	1461.6
320.0	1.59	1.57	34.91	27.93	18.0	0.114	1461.6
330.0	1.54	1.52	34.91	27.94	17.2	0.116	1461.6
340.0	1.37	1.35	34.89	27.93	17.7	0.118	1460.9
350.0	1.34	1.32	34.89	27.93	17.4	0.120	1461.0
360.0	1.35	1.33	34.89	27.94	17.3	0.121	1461.2
370.0	1.36	1.34	34.90	27.94	16.9	0.123	1461.4
380.0	1.33	1.31	34.90	27.94	16.8	0.125	1461.4
390.0	1.39	1.37	34.90	27.94	16.9	0.127	1461.9
400.0	1.45	1.42	34.91	27.94	17.0	0.128	1462.3
410.0	1.50	1.48	34.92	27.95	16.7	0.130	1462.8
420.0	1.55	1.53	34.94	27.95	16.0	0.132	1463.1
430.0	1.58	1.56	34.94	27.96	15.8	0.133	1463.5
440.0	1.53	1.50	34.93	27.95	16.4	0.135	1463.4
450.0	1.45	1.43	34.93	27.96	15.8	0.137	1463.2
460.0	1.36	1.34	34.91	27.95	16.8	0.138	1462.9
470.0	1.36	1.34	34.92	27.96	15.9	0.140	1463.1
480.0	1.36	1.34	34.93	27.96	15.4	0.141	1463.3
490.0	1.39	1.36	34.92	27.96	15.8	0.143	1463.6
500.0	1.38	1.35	34.93	27.96	15.4	0.145	1463.7
530.0	1.36	1.33	34.94	27.97	14.8	0.149	1464.1
560.0	1.10	1.07	34.92	27.98	13.9	0.154	1463.5
590.0	1.08	1.05	34.92	27.98	14.0	0.158	1463.9
620.0	0.91	0.88	34.91	27.98	13.2	0.162	1463.6
650.0	0.74	0.71	34.90	27.98	12.8	0.166	1463.3
680.0	0.55	0.52	34.90	27.99	11.6	0.170	1463.0
710.0	0.35	0.31	34.88	27.99	11.4	0.173	1462.5
740.0	0.18	0.15	34.90	28.01	9.1	0.176	1462.3
790.0	0.04	0.01	34.89	28.02	8.6	0.181	1462.5
840.0	-0.11	-0.14	34.89	28.03	7.3	0.185	1462.6
890.0	-0.26	-0.30	34.89	28.03	6.4	0.188	1462.8
940.0	-0.42	-0.46	34.89	28.04	5.0	0.191	1462.9
990.0	-0.44	-0.49	34.92	28.06	2.8	0.193	1463.7
1040.0	-0.49	-0.53	34.92	28.07	2.4	0.194	1464.3
1090.0	-0.73	-0.77	34.92	28.08	0.6	0.195	1464.1
1140.0	-0.79	-0.83	34.93	28.08	-0.4	0.195	1464.6
1190.0	-0.81	-0.86	34.93	28.09	-0.8	0.195	1465.4
1240.0	-0.84	-0.89	34.93	28.09	-1.2	0.194	1466.1
1290.0	-0.86	-0.91	34.93	28.09	-1.5	0.194	1466.9
1340.0	-0.89	-0.95	34.93	28.09	-1.8	0.193	1467.5
1390.0	-0.91	-0.97	34.93	28.09	-2.1	0.192	1468.3
1440.0	-0.94	-1.00	34.93	28.10	-2.8	0.191	1469.0
1490.0	-0.96	-1.02	34.93	28.10	-3.0	0.189	1469.8
1540.0	-0.96	-1.03	34.93	28.10	-3.3	0.188	1470.6
1590.0	-0.96	-1.03	34.93	28.10	-3.3	0.186	1471.5
1640.0	-0.96	-1.03	34.93	28.09	-3.2	0.184	1472.3
1690.0	-0.96	-1.03	34.93	28.10	-3.5	0.182	1473.2
1726.1	-0.95	-1.03	34.93	28.09	-3.5	0.181	1473.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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200
300
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FRAM 3 84 -1
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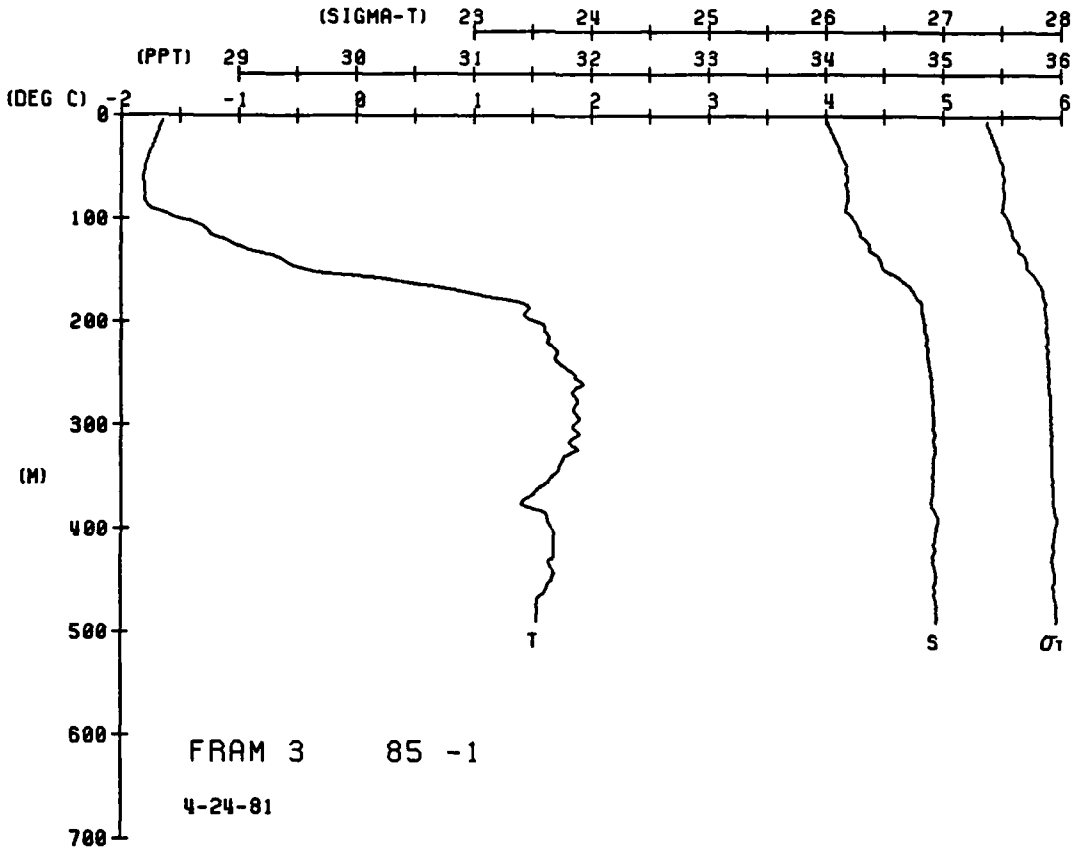

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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FRAM 3 STATION 85(1) CTD 24/APR/1981 1113 GMT CODE = 5
LAT = 82.2430N LNG = 6.0677E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.64	-1.64	34.01	27.37	69.8	0.000	1440.3
4.0	-1.64	-1.65	34.01	27.37	69.8	0.003	1440.3
5.0	-1.65	-1.65	34.01	27.37	69.5	0.004	1440.3
10.0	-1.67	-1.67	34.03	27.39	68.0	0.007	1440.4
15.0	-1.68	-1.68	34.05	27.40	66.5	0.010	1440.4
20.0	-1.70	-1.70	34.07	27.42	64.7	0.014	1440.4
25.0	-1.72	-1.72	34.09	27.44	63.2	0.017	1440.5
30.0	-1.73	-1.73	34.11	27.45	61.7	0.020	1440.5
35.0	-1.75	-1.75	34.13	27.47	60.0	0.023	1440.5
40.0	-1.76	-1.77	34.15	27.48	58.6	0.026	1440.6
45.0	-1.78	-1.79	34.17	27.51	56.4	0.029	1440.6
50.0	-1.79	-1.80	34.18	27.51	55.8	0.032	1440.6
55.0	-1.80	-1.80	34.18	27.51	55.7	0.035	1440.7
60.0	-1.81	-1.81	34.19	27.52	54.7	0.038	1440.7
65.0	-1.80	-1.81	34.18	27.51	55.8	0.040	1440.8
70.0	-1.80	-1.81	34.18	27.52	55.2	0.043	1440.9
75.0	-1.80	-1.80	34.19	27.52	54.7	0.046	1441.0
80.0	-1.79	-1.80	34.19	27.53	54.5	0.049	1441.1
85.0	-1.78	-1.78	34.18	27.52	55.2	0.051	1441.3
90.0	-1.73	-1.73	34.18	27.51	55.9	0.054	1441.6
95.0	-1.61	-1.62	34.21	27.53	53.8	0.057	1442.3
100.0	-1.49	-1.49	34.25	27.56	51.1	0.060	1443.0
110.0	-1.27	-1.27	34.29	27.59	48.3	0.065	1444.3
120.0	-1.11	-1.12	34.35	27.63	44.8	0.069	1445.2
130.0	-0.91	-0.91	34.39	27.65	42.3	0.074	1446.4
140.0	-0.61	-0.62	34.48	27.72	36.6	0.078	1448.1
150.0	-0.39	-0.39	34.53	27.74	34.1	0.081	1449.3
160.0	0.37	0.36	34.67	27.82	27.0	0.084	1453.2
170.0	0.92	0.91	34.76	27.86	24.0	0.087	1455.9
180.0	1.36	1.35	34.82	27.88	22.4	0.089	1458.2
190.0	1.45	1.44	34.83	27.87	22.6	0.092	1458.7
200.0	1.55	1.54	34.85	27.89	21.7	0.094	1459.4
210.0	1.62	1.61	34.86	27.89	21.4	0.096	1459.9
220.0	1.63	1.62	34.87	27.89	21.0	0.098	1460.1
230.0	1.72	1.70	34.88	27.90	20.7	0.100	1460.6
240.0	1.75	1.73	34.89	27.90	20.2	0.102	1461.0
250.0	1.87	1.85	34.90	27.90	20.4	0.104	1461.7
260.0	1.93	1.92	34.91	27.91	20.3	0.107	1462.1
270.0	1.86	1.84	34.92	27.92	18.9	0.109	1462.0
280.0	1.87	1.85	34.92	27.92	19.1	0.110	1462.2
290.0	1.89	1.87	34.93	27.92	18.7	0.112	1462.5
300.0	1.85	1.83	34.92	27.92	18.9	0.114	1462.4
310.0	1.87	1.86	34.93	27.93	18.4	0.116	1462.7
320.0	1.87	1.85	34.94	27.94	17.4	0.118	1462.9
330.0	1.77	1.75	34.93	27.94	17.6	0.120	1462.6
340.0	1.74	1.72	34.93	27.93	17.9	0.122	1462.6
350.0	1.66	1.64	34.93	27.94	17.3	0.123	1462.5
360.0	1.57	1.55	34.92	27.94	17.1	0.125	1462.2
370.0	1.47	1.45	34.91	27.94	17.0	0.127	1461.9
380.0	1.50	1.48	34.93	27.95	16.1	0.128	1462.3
390.0	1.63	1.61	34.96	27.97	14.5	0.130	1463.0
400.0	1.67	1.65	34.95	27.96	15.9	0.132	1463.4
410.0	1.68	1.66	34.94	27.95	16.8	0.133	1463.6
420.0	1.68	1.66	34.94	27.95	16.8	0.135	1463.7
430.0	1.65	1.63	34.93	27.94	17.7	0.137	1463.8
440.0	1.69	1.66	34.95	27.96	16.1	0.138	1464.1
450.0	1.66	1.63	34.94	27.95	16.3	0.140	1464.1
460.0	1.61	1.59	34.94	27.95	16.5	0.142	1464.1
470.0	1.54	1.52	34.95	27.96	15.3	0.143	1464.0
480.0	1.54	1.52	34.95	27.97	14.9	0.145	1464.1
489.1	1.54	1.51	34.95	27.97	15.1	0.146	1464.3

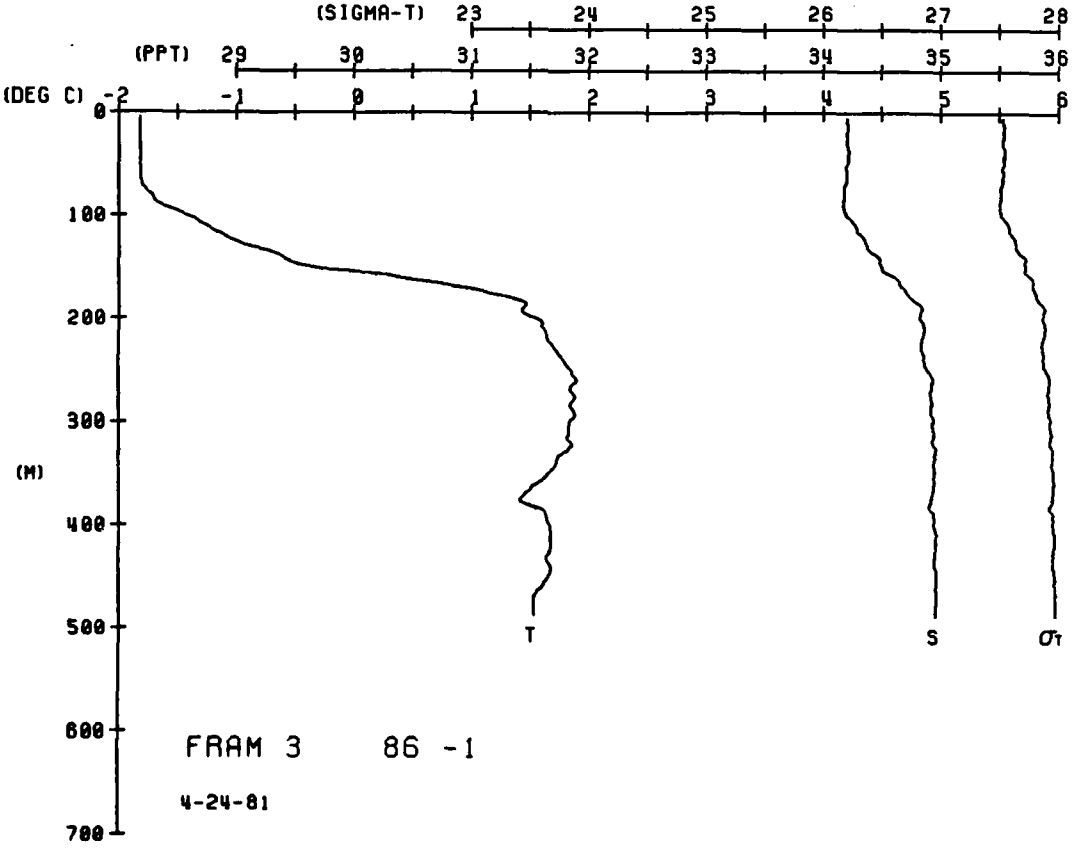
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LAT = 82.2430N LNG = 6.0677E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	34.20	27.53	54.1	0.000	1439.7
4.0	-1.82	-1.82	34.20	27.53	54.1	0.002	1439.8
5.0	-1.82	-1.82	34.20	27.53	54.2	0.003	1439.8
10.0	-1.82	-1.82	34.21	27.54	53.7	0.005	1439.9
15.0	-1.82	-1.82	34.21	27.54	53.4	0.008	1440.0
20.0	-1.82	-1.82	34.21	27.54	53.7	0.011	1440.1
25.0	-1.82	-1.82	34.20	27.53	53.9	0.014	1440.2
30.0	-1.82	-1.82	34.20	27.53	54.0	0.016	1440.2
35.0	-1.82	-1.82	34.22	27.54	52.9	0.019	1440.3
40.0	-1.82	-1.82	34.22	27.54	53.0	0.022	1440.4
45.0	-1.82	-1.82	34.21	27.54	53.2	0.024	1440.5
50.0	-1.82	-1.82	34.21	27.54	53.5	0.027	1440.6
55.0	-1.81	-1.81	34.20	27.53	53.9	0.030	1440.7
60.0	-1.81	-1.81	34.21	27.54	53.6	0.033	1440.8
65.0	-1.81	-1.81	34.21	27.54	53.5	0.035	1440.8
70.0	-1.80	-1.80	34.19	27.52	54.6	0.038	1441.0
75.0	-1.77	-1.77	34.18	27.52	55.1	0.041	1441.2
80.0	-1.72	-1.72	34.18	27.51	55.5	0.044	1441.5
85.0	-1.70	-1.70	34.18	27.51	55.9	0.046	1441.7
90.0	-1.63	-1.63	34.18	27.51	56.3	0.049	1442.1
95.0	-1.52	-1.52	34.19	27.51	55.6	0.052	1442.7
100.0	-1.40	-1.41	34.20	27.52	54.8	0.055	1443.3
110.0	-1.25	-1.25	34.28	27.58	49.2	0.060	1444.3
120.0	-1.10	-1.10	34.34	27.62	45.6	0.065	1445.3
130.0	-0.87	-0.88	34.38	27.64	43.4	0.069	1446.6
140.0	-0.60	-0.61	34.48	27.72	36.6	0.073	1448.1
150.0	-0.35	-0.35	34.51	27.72	35.8	0.077	1449.5
160.0	0.41	0.40	34.64	27.79	30.1	0.080	1453.3
170.0	0.98	0.97	34.70	27.80	29.2	0.083	1456.1
180.0	1.36	1.35	34.77	27.83	26.4	0.086	1458.1
190.0	1.44	1.43	34.84	27.89	21.2	0.089	1458.7
200.0	1.57	1.56	34.83	27.87	23.0	0.091	1459.4
210.0	1.62	1.61	34.86	27.89	21.5	0.093	1459.9
220.0	1.65	1.64	34.85	27.88	22.5	0.095	1460.2
230.0	1.73	1.72	34.85	27.87	23.2	0.098	1460.7
240.0	1.79	1.78	34.87	27.88	22.1	0.100	1461.1
250.0	1.86	1.85	34.91	27.91	19.9	0.102	1461.7
260.0	1.90	1.89	34.94	27.93	17.7	0.104	1462.0
270.0	1.86	1.85	34.92	27.92	19.1	0.106	1462.0
280.0	1.86	1.85	34.94	27.93	17.8	0.108	1462.2
290.0	1.88	1.87	34.93	27.92	18.7	0.110	1462.4
300.0	1.84	1.82	34.94	27.93	17.6	0.111	1462.4
310.0	1.84	1.82	34.95	27.94	16.8	0.113	1462.6
320.0	1.86	1.84	34.94	27.94	17.4	0.115	1462.9
330.0	1.78	1.76	34.96	27.96	15.6	0.117	1462.7
340.0	1.73	1.71	34.95	27.95	16.2	0.118	1462.6
350.0	1.65	1.64	34.95	27.96	15.1	0.120	1462.5
360.0	1.56	1.54	34.95	27.97	14.6	0.121	1462.2
370.0	1.46	1.44	34.94	27.96	15.1	0.123	1461.9
380.0	1.49	1.47	34.91	27.94	17.2	0.124	1462.2
390.0	1.64	1.62	34.95	27.96	15.4	0.126	1463.1
400.0	1.67	1.65	34.96	27.96	15.2	0.128	1463.4
410.0	1.68	1.66	34.97	27.97	14.6	0.129	1463.6
420.0	1.68	1.66	34.97	27.97	14.8	0.131	1463.8
430.0	1.65	1.63	34.96	27.97	14.8	0.132	1463.8
440.0	1.68	1.66	34.96	27.97	15.0	0.134	1464.1
450.0	1.65	1.63	34.97	27.98	14.0	0.135	1464.2
460.0	1.60	1.58	34.97	27.98	13.9	0.136	1464.1
470.0	1.54	1.51	34.97	27.98	13.5	0.138	1464.0
480.0	1.54	1.51	34.96	27.98	14.1	0.139	1464.1
488.1	1.53	1.51	34.96	27.98	14.1	0.140	1464.3



FRAM 3 85 -1

4-24-81

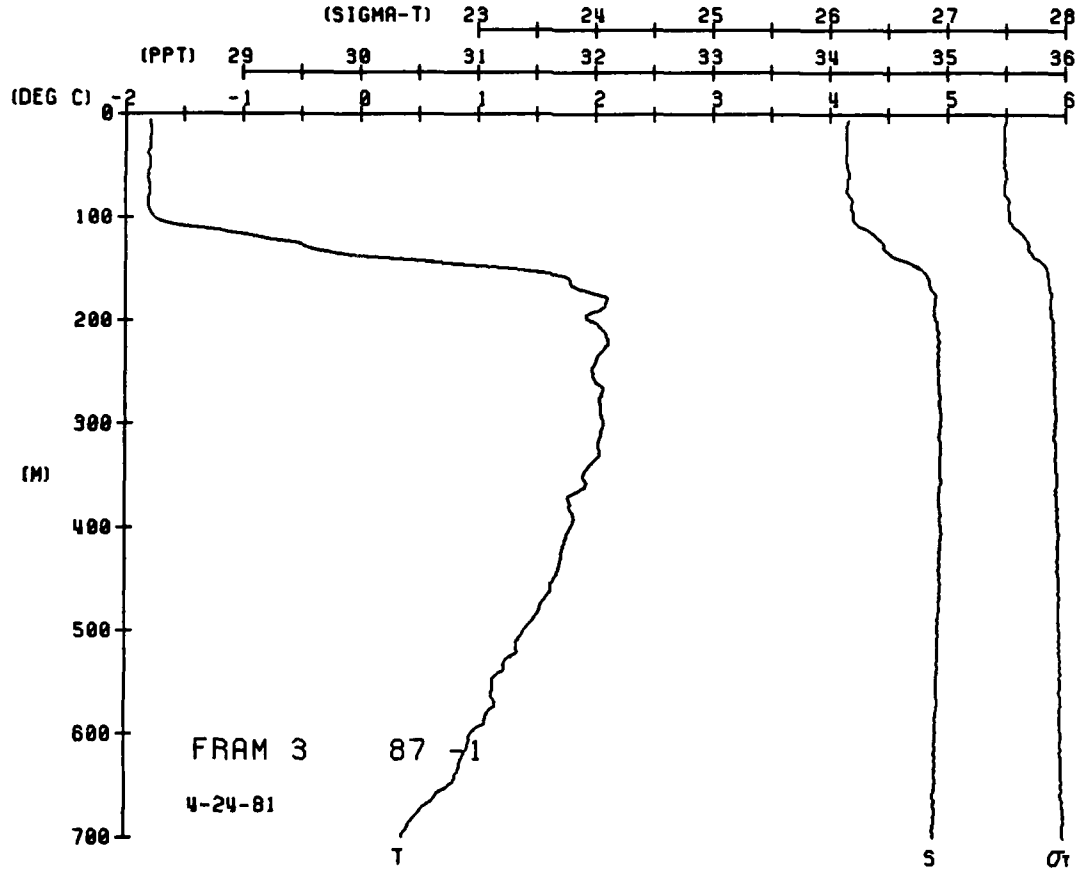


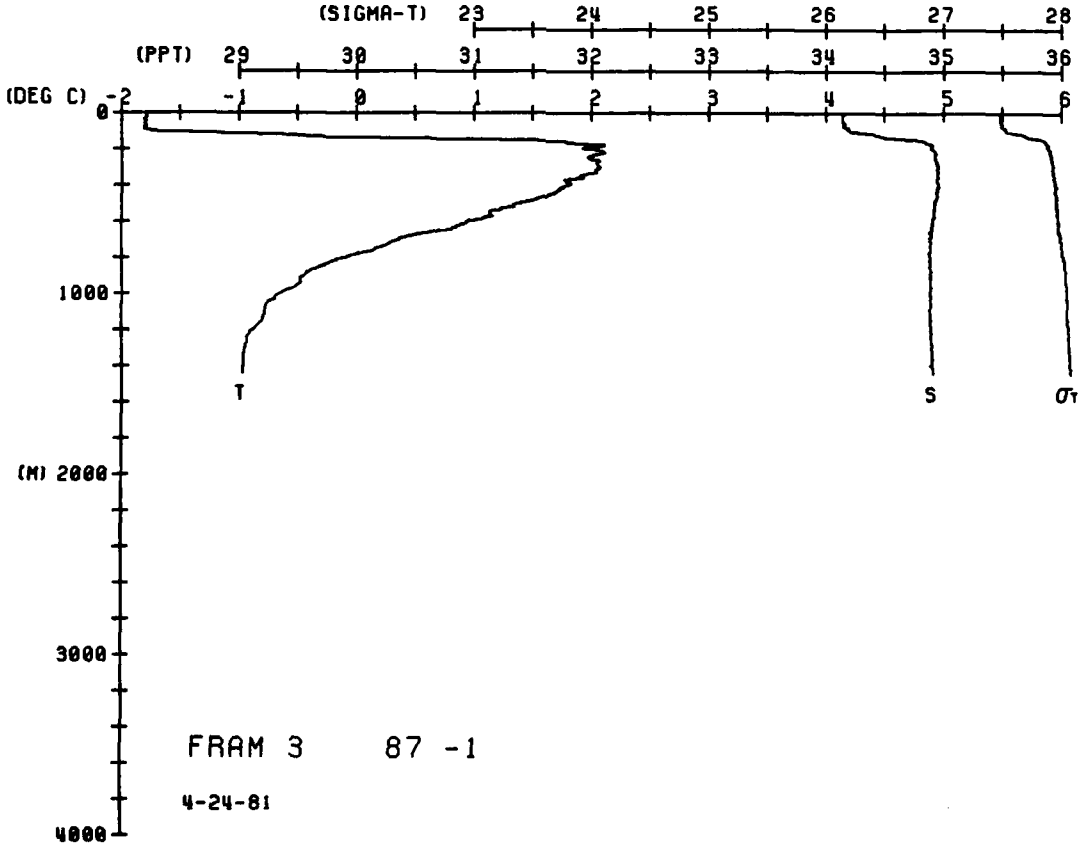
FRAM 3 86 -1

4-24-81

FRAM 3 STATION 87(1) CTD 24/APR/1981 1349 GMT CODE = 5
LAT = 82.2268N LNG = 6.0312E LTER = 30. LGER = 30.
AIR TEMP = 0.0 HARUM = 0.0 WIND = 0.0 SPEED = 0.0

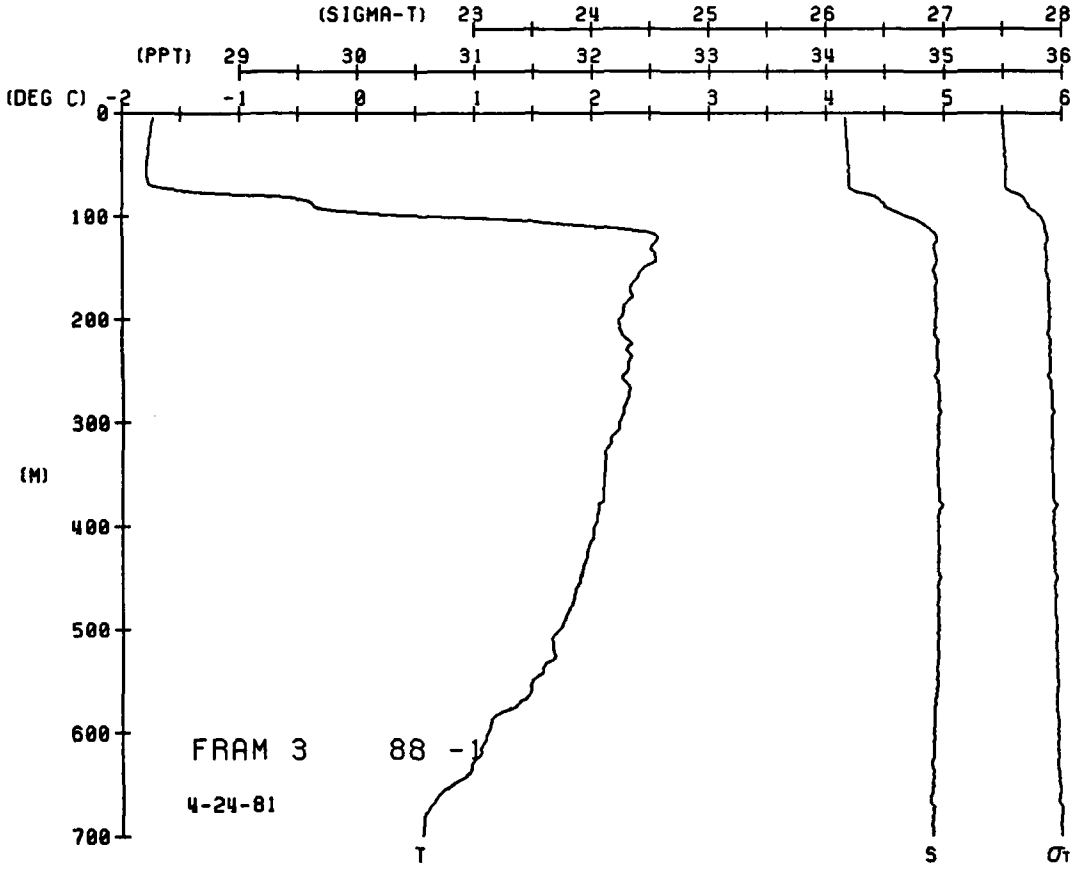
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	34.16	27.50	57.8	0.000	1439.8
5.0	-1.79	-1.79	34.16	27.50	57.7	0.003	1439.9
15.0	-1.79	-1.79	34.16	27.50	57.7	0.003	1439.9
10.0	-1.78	-1.79	34.15	27.49	58.3	0.006	1440.0
15.0	-1.78	-1.78	34.14	27.48	58.9	0.009	1440.1
20.0	-1.78	-1.78	34.14	27.48	59.0	0.012	1440.1
25.0	-1.78	-1.79	34.15	27.49	58.6	0.015	1440.2
30.0	-1.78	-1.79	34.14	27.48	58.6	0.018	1440.3
35.0	-1.80	-1.80	34.14	27.48	58.7	0.021	1440.3
40.0	-1.79	-1.79	34.14	27.48	58.9	0.024	1440.4
45.0	-1.78	-1.79	34.14	27.48	59.1	0.027	1440.5
50.0	-1.78	-1.79	34.15	27.49	58.2	0.030	1440.6
55.0	-1.80	-1.80	34.16	27.50	57.2	0.033	1440.7
60.0	-1.80	-1.80	34.17	27.50	56.7	0.035	1440.7
65.0	-1.79	-1.80	34.16	27.50	57.0	0.038	1440.8
70.0	-1.79	-1.79	34.16	27.49	57.4	0.041	1440.9
75.0	-1.78	-1.79	34.15	27.49	57.8	0.044	1441.0
80.0	-1.80	-1.80	34.18	27.52	55.2	0.047	1441.1
85.0	-1.80	-1.81	34.20	27.53	54.0	0.050	1441.2
90.0	-1.80	-1.80	34.19	27.52	55.0	0.052	1441.3
95.0	-1.78	-1.78	34.20	27.53	53.8	0.055	1441.5
100.0	-1.75	-1.75	34.20	27.53	53.6	0.058	1441.7
110.0	-1.40	-1.40	34.28	27.58	49.1	0.063	1443.6
120.0	-0.83	-0.83	34.42	27.67	40.7	0.068	1446.7
130.0	-0.41	-0.42	34.47	27.70	38.3	0.072	1448.8
140.0	0.26	0.25	34.60	27.77	32.0	0.075	1452.2
150.0	1.29	1.29	34.79	27.86	24.0	0.078	1457.3
160.0	1.79	1.78	34.85	27.87	23.1	0.080	1459.8
170.0	1.88	1.87	34.88	27.88	21.9	0.083	1460.4
180.0	2.10	2.09	34.90	27.89	21.7	0.085	1461.6
190.0	2.04	2.03	34.90	27.89	21.7	0.087	1461.4
200.0	1.97	1.95	34.92	27.91	19.9	0.089	1461.3
210.0	2.08	2.07	34.93	27.91	19.7	0.091	1462.0
220.0	2.12	2.11	34.94	27.91	19.7	0.093	1462.3
230.0	2.05	2.04	34.93	27.91	19.6	0.095	1462.2
240.0	2.01	1.99	34.93	27.91	19.4	0.097	1462.2
250.0	1.98	1.97	34.93	27.92	19.0	0.099	1462.2
260.0	2.02	2.01	34.94	27.92	19.1	0.101	1462.6
270.0	2.06	2.04	34.94	27.92	18.8	0.103	1462.9
280.0	2.05	2.03	34.95	27.93	18.6	0.105	1463.0
290.0	2.05	2.04	34.96	27.93	17.8	0.107	1463.2
300.0	2.07	2.06	34.95	27.93	18.6	0.109	1463.5
310.0	2.06	2.04	34.94	27.92	19.0	0.110	1463.6
320.0	2.04	2.02	34.96	27.94	17.8	0.112	1463.7
330.0	2.04	2.02	34.95	27.93	18.4	0.114	1463.8
340.0	1.96	1.94	34.95	27.93	18.1	0.116	1463.6
350.0	1.90	1.89	34.95	27.94	17.4	0.118	1463.6
360.0	1.93	1.91	34.95	27.94	17.7	0.120	1463.8
370.0	1.78	1.76	34.94	27.94	17.4	0.121	1463.4
380.0	1.79	1.77	34.95	27.95	16.9	0.123	1463.6
390.0	1.83	1.81	34.95	27.95	17.0	0.125	1463.9
400.0	1.80	1.77	34.96	27.95	16.3	0.126	1463.9
410.0	1.76	1.74	34.95	27.95	16.5	0.128	1463.9
420.0	1.73	1.71	34.95	27.95	16.7	0.130	1464.0
430.0	1.72	1.69	34.94	27.95	17.0	0.131	1464.1
440.0	1.69	1.67	34.94	27.95	17.1	0.133	1464.1
450.0	1.65	1.62	34.94	27.95	16.3	0.135	1464.1
460.0	1.62	1.60	34.94	27.95	16.3	0.137	1464.1
470.0	1.57	1.55	34.94	27.96	15.7	0.138	1464.1
480.0	1.53	1.50	34.94	27.96	15.8	0.140	1464.1
490.0	1.47	1.44	34.93	27.96	15.8	0.141	1463.9
500.0	1.40	1.37	34.93	27.96	15.5	0.143	1463.8
530.0	1.23	1.21	34.92	27.97	14.9	0.148	1463.6
560.0	1.13	1.10	34.92	27.97	14.4	0.152	1463.6
590.0	1.06	1.03	34.91	27.97	14.4	0.156	1463.8
620.0	0.89	0.86	34.91	27.98	13.5	0.161	1463.5
650.0	0.76	0.73	34.90	27.98	12.9	0.165	1463.4
680.0	0.47	0.44	34.90	28.00	10.8	0.168	1462.6
710.0	0.32	0.28	34.90	28.01	9.7	0.171	1462.4
740.0	0.22	0.19	34.89	28.01	9.8	0.174	1462.5
790.0	-0.04	-0.07	34.89	28.02	8.1	0.179	1462.1
840.0	-0.27	-0.30	34.90	28.04	5.9	0.182	1461.9
890.0	-0.43	-0.46	34.89	28.04	5.0	0.185	1462.0
940.0	-0.47	-0.51	34.89	28.04	4.5	0.188	1462.7
990.0	-0.61	-0.65	34.89	28.05	3.7	0.190	1462.9
1040.0	-0.72	-0.76	34.89	28.06	2.6	0.191	1463.2
1090.0	-0.77	-0.82	34.89	28.06	2.4	0.193	1463.8
1140.0	-0.80	-0.84	34.90	28.06	1.6	0.194	1464.6
1190.0	-0.86	-0.91	34.90	28.07	0.6	0.194	1465.1
1240.0	-0.93	-0.98	34.90	28.07	0.2	0.194	1465.6
1290.0	-0.94	-1.00	34.91	28.08	-0.8	0.194	1466.4
1340.0	-0.95	-1.01	34.91	28.08	-1.1	0.194	1467.2
1390.0	-0.96	-1.02	34.91	28.08	-1.4	0.193	1468.0
1440.0	-0.96	-1.03	34.92	28.09	-1.9	0.192	1468.9
1443.3	-0.96	-1.01	34.92	28.09	-2.0	0.192	1468.9

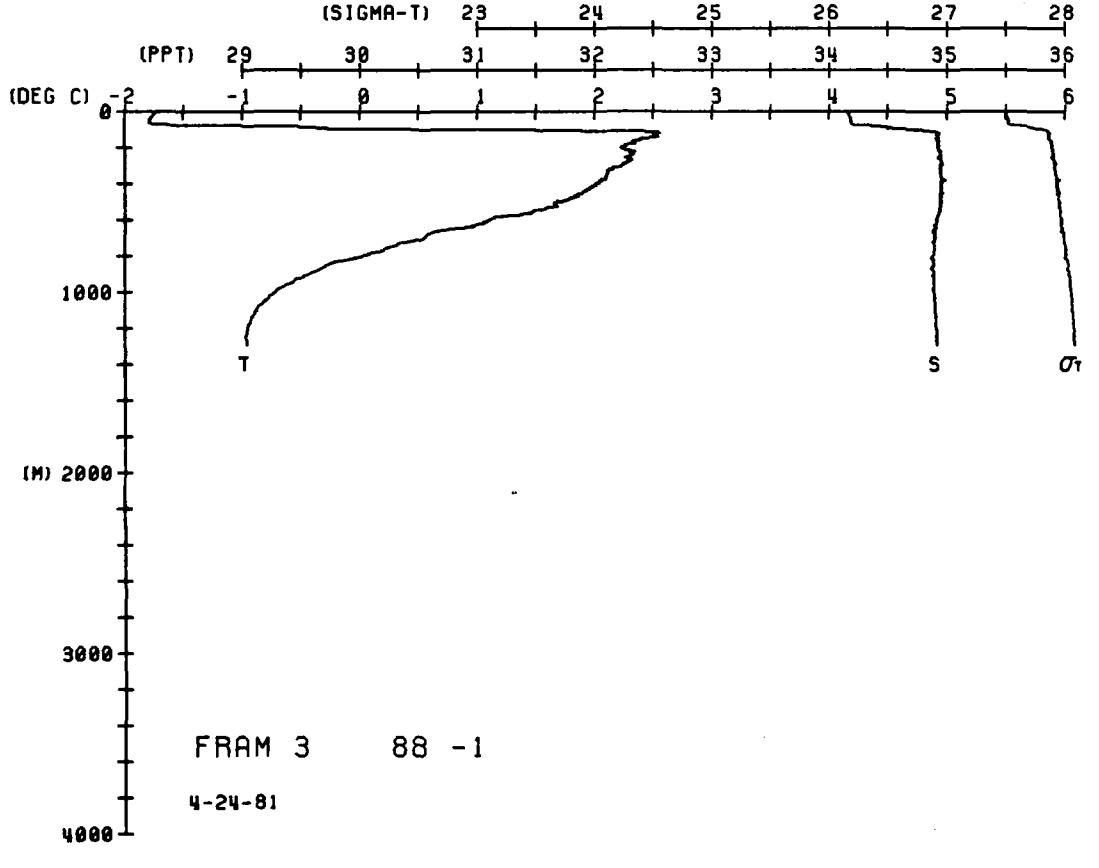

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(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M)
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FRAM 3 87 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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4-24-81
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FRAM 3 STATION 88(1) CTD 24/APR/1981 2302 GMT CODE = 5
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AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

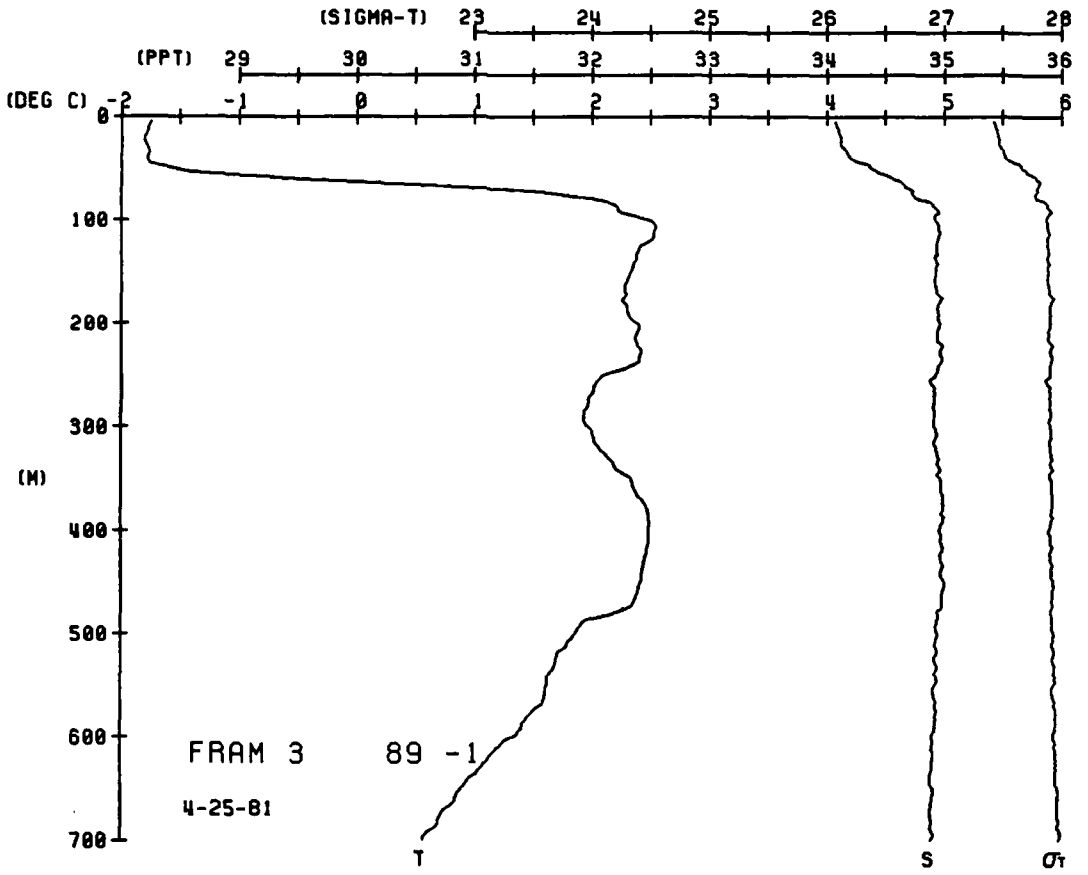
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	34.17	27.50	57.1	0.000	1440.1
4.0	-1.74	-1.74	34.17	27.50	57.0	0.002	1440.1
5.0	-1.74	-1.74	34.17	27.50	57.1	0.003	1440.1
10.0	-1.74	-1.74	34.17	27.50	56.9	0.006	1440.2
15.0	-1.75	-1.75	34.17	27.51	56.7	0.009	1440.3
20.0	-1.75	-1.76	34.18	27.51	56.1	0.012	1440.3
25.0	-1.76	-1.76	34.18	27.51	55.9	0.014	1440.4
30.0	-1.76	-1.77	34.18	27.52	55.7	0.017	1440.4
35.0	-1.77	-1.77	34.18	27.52	55.5	0.020	1440.5
40.0	-1.77	-1.78	34.19	27.52	55.3	0.023	1440.6
45.0	-1.78	-1.78	34.19	27.52	54.9	0.026	1440.6
50.0	-1.79	-1.79	34.20	27.53	54.4	0.028	1440.7
55.0	-1.79	-1.79	34.19	27.53	54.6	0.031	1440.8
60.0	-1.79	-1.79	34.20	27.53	54.5	0.034	1440.8
65.0	-1.78	-1.78	34.20	27.53	54.4	0.037	1441.0
70.0	-1.75	-1.75	34.20	27.53	54.5	0.039	1441.2
75.0	-1.51	-1.51	34.23	27.55	52.3	0.042	1442.5
80.0	-0.86	-0.86	34.39	27.65	42.8	0.044	1445.8
85.0	-0.40	-0.40	34.47	27.70	38.5	0.046	1448.1
90.0	-0.36	-0.36	34.50	27.72	36.1	0.048	1448.5
95.0	-0.14	-0.14	34.58	27.78	31.2	0.050	1449.7
100.0	0.65	0.65	34.70	27.83	26.3	0.052	1453.5
110.0	2.01	2.00	34.87	27.86	23.6	0.054	1459.9
120.0	2.57	2.56	34.94	27.88	22.4	0.056	1462.6
130.0	2.51	2.50	34.92	27.86	23.8	0.059	1462.5
140.0	2.55	2.54	34.94	27.88	22.7	0.061	1462.9
150.0	2.44	2.43	34.92	27.87	23.4	0.063	1462.6
160.0	2.38	2.37	34.94	27.89	21.5	0.066	1462.5
170.0	2.33	2.32	34.93	27.89	21.7	0.068	1462.4
180.0	2.33	2.32	34.93	27.89	21.5	0.070	1462.6
190.0	2.28	2.26	34.93	27.89	21.1	0.072	1462.5
200.0	2.23	2.22	34.93	27.89	21.2	0.074	1462.5
210.0	2.25	2.24	34.94	27.90	21.2	0.076	1462.7
220.0	2.32	2.31	34.95	27.90	20.5	0.079	1463.2
230.0	2.30	2.29	34.94	27.90	20.8	0.081	1463.3
240.0	2.32	2.31	34.95	27.91	20.4	0.083	1463.6
250.0	2.30	2.29	34.94	27.90	20.9	0.085	1463.6
260.0	2.28	2.26	34.95	27.90	20.6	0.087	1463.7
270.0	2.31	2.29	34.96	27.91	19.8	0.089	1464.0
280.0	2.29	2.27	34.95	27.91	20.4	0.091	1464.1
290.0	2.26	2.25	34.97	27.92	18.9	0.093	1464.2
300.0	2.23	2.21	34.95	27.91	20.0	0.095	1464.2
310.0	2.19	2.17	34.95	27.91	20.1	0.097	1464.1
320.0	2.15	2.13	34.95	27.92	19.2	0.099	1464.2
330.0	2.12	2.10	34.95	27.92	19.4	0.101	1464.2
340.0	2.11	2.09	34.94	27.92	19.6	0.103	1464.3
350.0	2.11	2.08	34.95	27.92	19.0	0.105	1464.5
360.0	2.11	2.08	34.95	27.92	19.2	0.107	1464.6
370.0	2.10	2.08	34.95	27.93	19.0	0.109	1464.8
380.0	2.06	2.03	34.98	27.96	16.3	0.111	1464.8
390.0	2.05	2.02	34.95	27.93	18.9	0.112	1464.8
400.0	2.02	2.00	34.95	27.93	18.4	0.114	1464.9
410.0	2.01	1.99	34.95	27.93	18.8	0.116	1465.0
420.0	1.97	1.95	34.95	27.94	18.1	0.118	1465.0
430.0	1.95	1.93	34.95	27.93	18.4	0.120	1465.1
440.0	1.92	1.90	34.95	27.94	18.3	0.122	1465.1
450.0	1.89	1.87	34.97	27.95	16.7	0.123	1465.2
460.0	1.86	1.84	34.95	27.94	17.9	0.125	1465.2
470.0	1.84	1.82	34.95	27.95	17.4	0.127	1465.3
480.0	1.81	1.78	34.95	27.94	17.6	0.129	1465.3
490.0	1.77	1.74	34.95	27.95	17.2	0.130	1465.3
500.0	1.72	1.69	34.95	27.95	16.7	0.132	1465.2
530.0	1.64	1.61	34.94	27.95	16.7	0.137	1465.4
560.0	1.47	1.44	34.93	27.96	16.2	0.142	1465.1
590.0	1.14	1.11	34.92	27.97	14.5	0.147	1464.1
620.0	1.05	1.02	34.91	27.97	14.4	0.151	1464.2
650.0	0.81	0.78	34.90	27.98	13.4	0.156	1463.6
680.0	0.57	0.54	34.90	27.99	11.5	0.159	1463.1
710.0	0.50	0.47	34.90	28.00	11.0	0.163	1463.2
740.0	0.31	0.27	34.90	28.01	9.7	0.166	1462.9
790.0	0.09	0.05	34.90	28.02	8.3	0.170	1462.7
840.0	-0.23	-0.27	34.90	28.03	6.2	0.174	1462.1
890.0	-0.39	-0.42	34.89	28.04	5.3	0.177	1462.2
940.0	-0.56	-0.60	34.90	28.05	3.5	0.179	1462.2
990.0	-0.70	-0.74	34.90	28.06	2.7	0.181	1462.5
1040.0	-0.79	-0.83	34.90	28.06	1.6	0.182	1462.9
1090.0	-0.88	-0.92	34.91	28.07	0.4	0.182	1463.4
1140.0	-0.92	-0.96	34.91	28.08	-0.1	0.183	1464.0
1190.0	-0.95	-1.00	34.91	28.08	-0.8	0.182	1464.7
1240.0	-0.96	-1.01	34.91	28.08	-1.1	0.182	1465.5
1290.0	-0.96	-1.01	34.92	28.09	-1.6	0.181	1466.4
1290.0	-0.96	-1.01	34.92	28.09	-1.6	0.181	1466.4

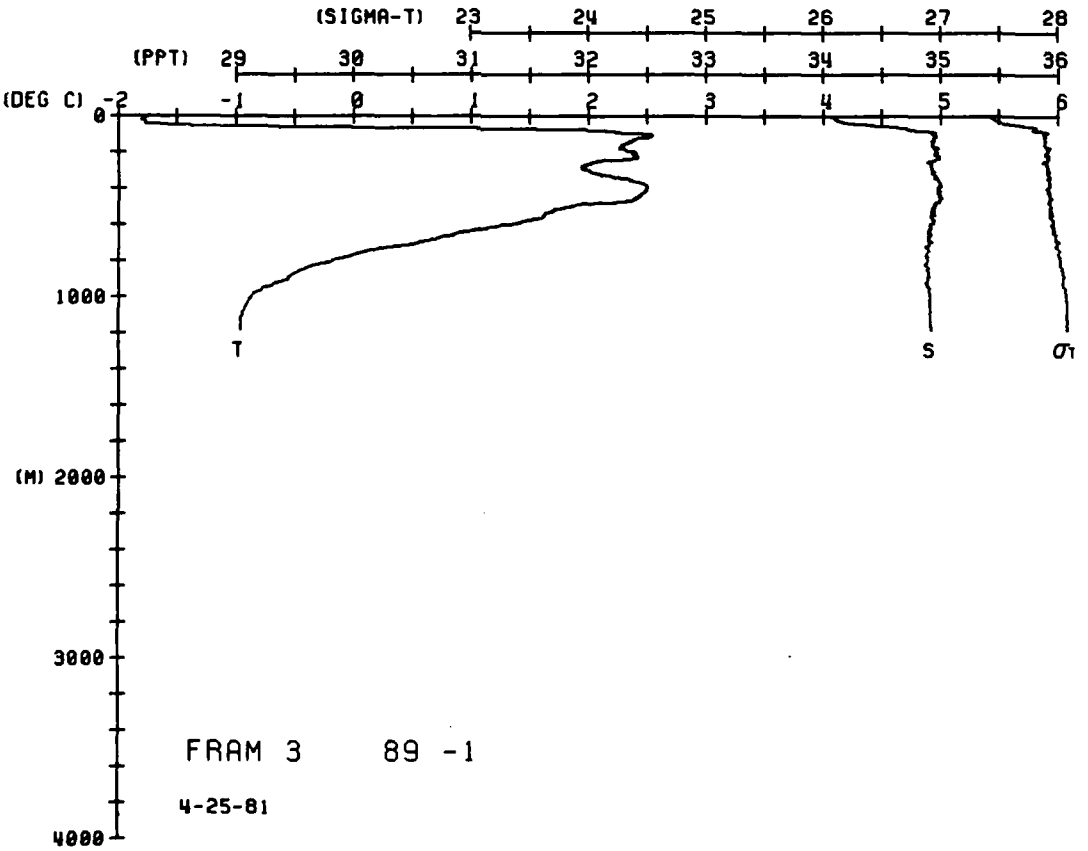

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 88 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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4-24-81

FRAM 3 STATION 89(1) CTD 25/APR/1981 839 GMT CODE = 5
LAT = 82.1498N LNG = 5.8805E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

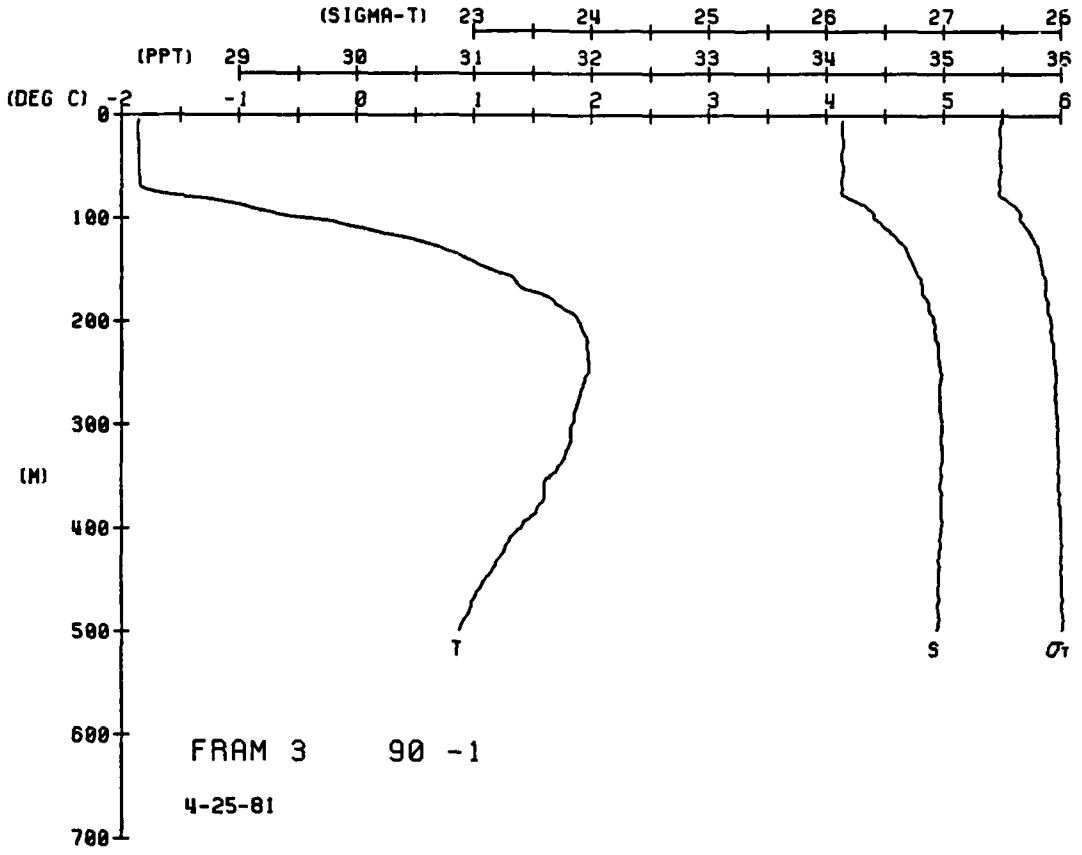
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.75	-1.75	34.07	27.43	64.3	0.000	1439.9
4.0	-1.75	-1.75	34.07	27.43	64.3	0.003	1439.9
5.0	-1.75	-1.75	34.07	27.43	64.4	0.003	1440.0
10.0	-1.77	-1.77	34.09	27.44	62.7	0.006	1440.0
15.0	-1.78	-1.78	34.11	27.45	61.6	0.010	1440.0
20.0	-1.80	-1.80	34.12	27.47	60.3	0.013	1440.0
25.0	-1.79	-1.80	34.12	27.47	60.4	0.016	1440.1
30.0	-1.77	-1.77	34.14	27.48	58.7	0.019	1440.3
35.0	-1.76	-1.76	34.18	27.51	56.2	0.022	1440.5
40.0	-1.77	-1.77	34.21	27.54	53.8	0.024	1440.6
45.0	-1.74	-1.74	34.33	27.63	44.7	0.027	1441.0
50.0	-1.56	-1.56	34.38	27.67	40.7	0.029	1442.0
55.0	-1.24	-1.24	34.46	27.73	35.7	0.031	1443.7
60.0	-0.53	-0.54	34.57	27.79	30.0	0.033	1447.2
65.0	0.26	0.26	34.66	27.82	27.6	0.034	1451.1
70.0	1.19	1.19	34.70	27.79	29.8	0.036	1455.4
75.0	1.70	1.69	34.74	27.79	30.6	0.037	1457.8
80.0	2.03	2.03	34.79	27.80	28.9	0.039	1459.5
85.0	2.20	2.19	34.92	27.89	21.1	0.040	1460.4
90.0	2.23	2.22	34.95	27.92	18.5	0.041	1460.7
95.0	2.33	2.33	34.94	27.90	20.5	0.042	1461.2
100.0	2.49	2.49	34.94	27.88	22.0	0.043	1462.0
110.0	2.54	2.53	34.97	27.90	20.3	0.045	1462.4
120.0	2.51	2.50	34.94	27.89	21.7	0.047	1462.4
130.0	2.40	2.39	34.95	27.90	20.6	0.049	1462.1
140.0	2.37	2.36	34.95	27.90	20.6	0.051	1462.1
150.0	2.33	2.32	34.94	27.89	21.1	0.054	1462.1
160.0	2.29	2.28	34.93	27.89	21.1	0.056	1462.1
170.0	2.29	2.28	34.94	27.90	20.2	0.058	1462.3
180.0	2.29	2.27	34.97	27.92	18.4	0.060	1462.4
190.0	2.32	2.31	34.96	27.91	19.4	0.062	1462.8
200.0	2.40	2.39	34.97	27.92	19.2	0.064	1463.3
210.0	2.38	2.37	34.95	27.90	20.6	0.066	1463.3
220.0	2.39	2.38	34.99	27.93	17.7	0.068	1463.6
230.0	2.42	2.40	34.98	27.92	19.0	0.069	1463.9
240.0	2.36	2.35	34.96	27.91	19.9	0.071	1463.8
250.0	2.09	2.08	34.93	27.91	20.1	0.073	1462.7
260.0	2.03	2.01	34.92	27.91	20.2	0.075	1462.6
270.0	1.98	1.97	34.92	27.91	20.0	0.077	1462.6
280.0	1.97	1.95	34.92	27.91	19.9	0.079	1462.7
290.0	1.94	1.92	34.93	27.92	19.2	0.081	1462.7
300.0	1.98	1.97	34.93	27.92	19.4	0.083	1463.1
310.0	2.03	2.01	34.94	27.92	18.9	0.085	1463.4
320.0	2.08	2.06	34.94	27.92	19.7	0.087	1463.8
330.0	2.16	2.14	34.96	27.93	18.6	0.089	1464.4
340.0	2.21	2.19	34.98	27.94	17.9	0.091	1464.8
350.0	2.34	2.32	34.98	27.92	19.3	0.093	1465.5
360.0	2.37	2.35	34.98	27.93	19.3	0.095	1465.8
370.0	2.43	2.41	35.00	27.94	18.5	0.097	1466.3
380.0	2.48	2.46	34.99	27.93	19.4	0.099	1466.7
390.0	2.50	2.47	35.00	27.93	18.9	0.101	1466.9
400.0	2.49	2.47	34.97	27.91	21.4	0.103	1467.0
410.0	2.49	2.47	34.98	27.92	20.7	0.105	1467.2
420.0	2.48	2.45	34.99	27.92	20.3	0.107	1467.3
430.0	2.45	2.43	34.99	27.93	19.6	0.109	1467.4
440.0	2.43	2.41	34.98	27.92	20.1	0.111	1467.4
450.0	2.42	2.40	35.01	27.94	18.2	0.113	1467.6
460.0	2.40	2.37	34.99	27.93	19.2	0.115	1467.6
470.0	2.36	2.33	34.99	27.93	19.3	0.117	1467.6
480.0	2.19	2.16	34.95	27.92	20.4	0.119	1467.0
490.0	1.92	1.89	34.95	27.93	18.6	0.121	1466.0
500.0	1.86	1.84	34.96	27.95	17.4	0.123	1465.9
530.0	1.69	1.66	34.94	27.95	17.0	0.128	1465.6
560.0	1.61	1.58	34.93	27.94	17.7	0.133	1465.7
590.0	1.41	1.38	34.94	27.97	15.3	0.138	1465.4
620.0	1.13	1.10	34.91	27.97	14.8	0.143	1464.6
650.0	0.89	0.86	34.92	27.99	12.8	0.147	1464.0
680.0	0.71	0.67	34.90	27.98	12.7	0.151	1463.7
710.0	0.49	0.46	34.90	28.00	11.1	0.154	1463.2
740.0	0.16	0.13	34.90	28.02	8.7	0.157	1462.2
790.0	-0.12	-0.15	34.90	28.03	6.7	0.161	1461.8
840.0	-0.40	-0.43	34.90	28.04	4.9	0.164	1461.3
890.0	-0.55	-0.58	34.90	28.06	3.3	0.166	1461.5
940.0	-0.72	-0.76	34.89	28.05	2.9	0.168	1461.5
990.0	-0.86	-0.90	34.91	28.08	0.4	0.169	1461.7
1040.0	-0.91	-0.95	34.91	28.08	-0.1	0.169	1462.4
1090.0	-0.94	-0.99	34.92	28.08	-0.8	0.169	1463.0
1140.0	-0.96	-1.00	34.92	28.09	-1.4	0.168	1463.8
1182.8	-0.96	-1.01	34.93	28.09	-1.8	0.167	1464.6


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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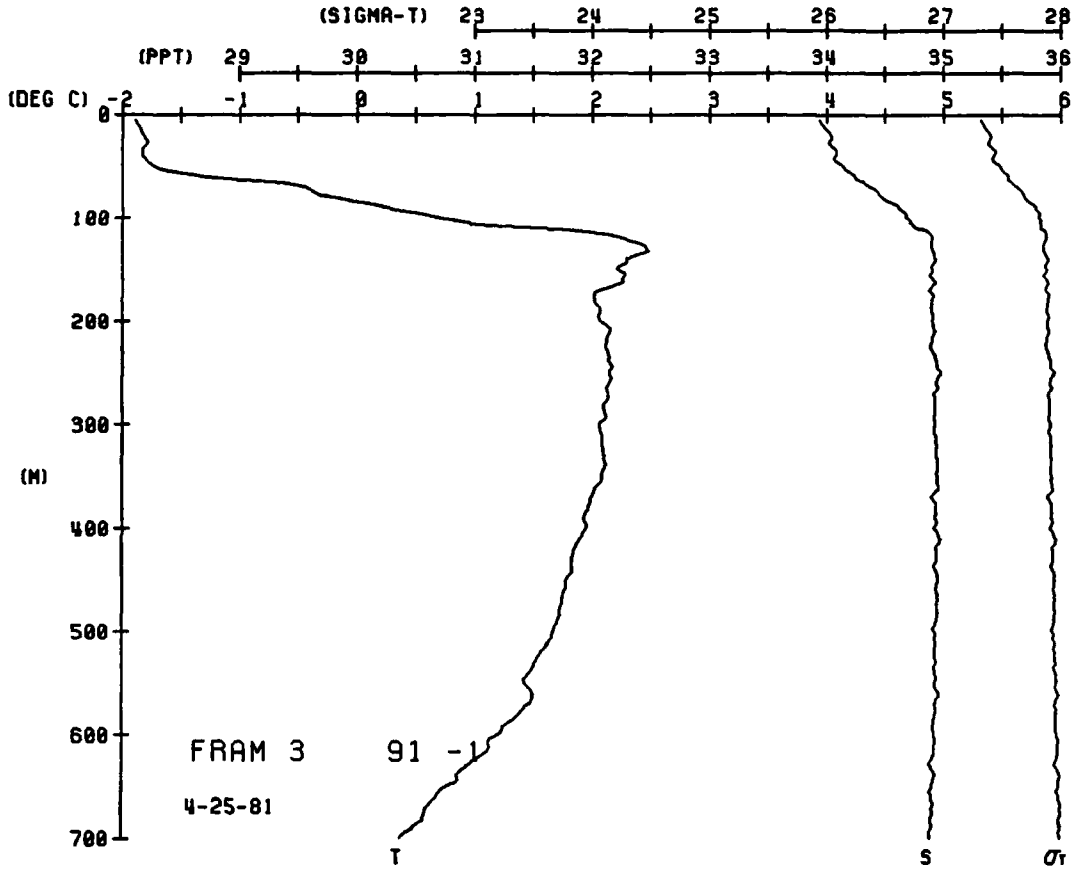
FRAM 3 STATION 90(1) CTD 25/APR/1981 1350 GMT CODE = 5
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AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

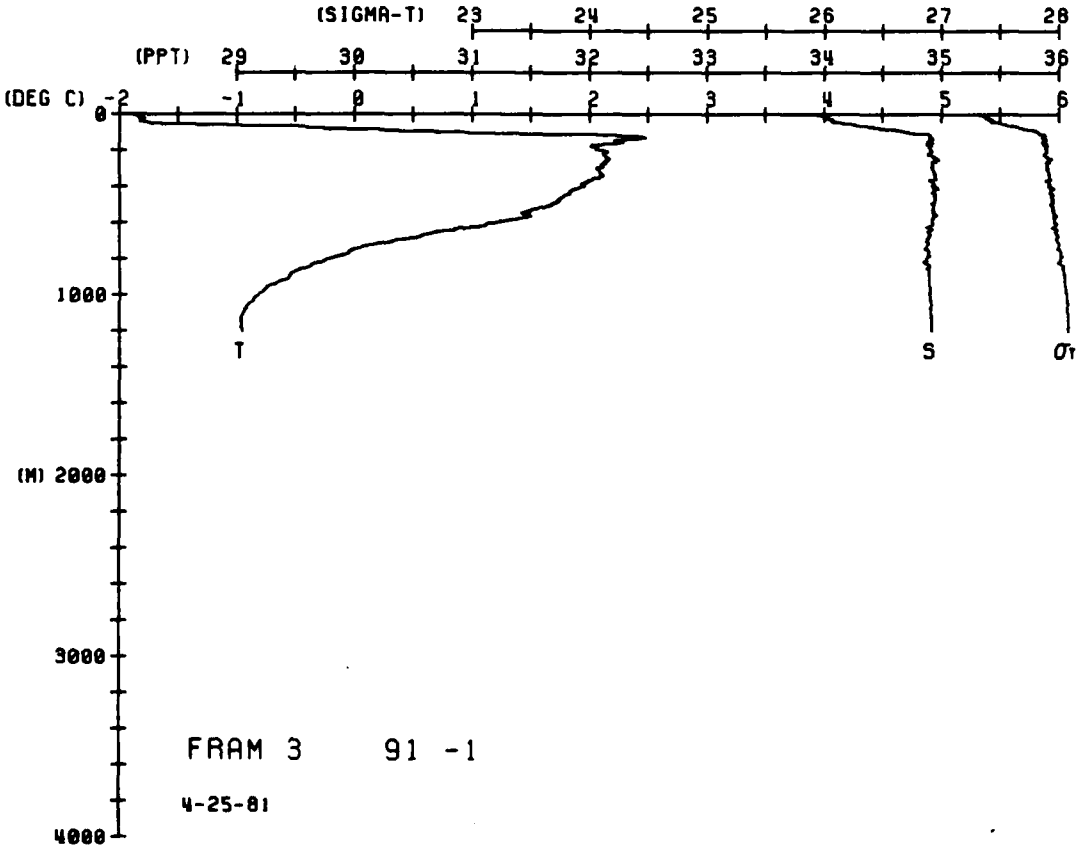
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.14	27.48	59.2	0.000	1439.4
4.0	-1.86	-1.86	34.14	27.48	59.2	0.002	1439.5
5.0	-1.86	-1.86	34.14	27.48	59.2	0.003	1439.5
10.0	-1.87	-1.87	34.14	27.48	59.1	0.006	1439.6
15.0	-1.87	-1.87	34.13	27.48	59.3	0.009	1439.6
20.0	-1.87	-1.87	34.14	27.48	59.2	0.012	1439.7
25.0	-1.86	-1.86	34.14	27.48	58.8	0.015	1439.8
30.0	-1.86	-1.86	34.14	27.49	58.6	0.018	1439.9
35.0	-1.86	-1.86	34.13	27.48	59.4	0.021	1440.0
40.0	-1.86	-1.86	34.13	27.48	59.4	0.024	1440.1
45.0	-1.86	-1.86	34.13	27.48	59.2	0.027	1440.2
50.0	-1.86	-1.86	34.14	27.48	58.6	0.030	1440.3
55.0	-1.86	-1.86	34.14	27.48	58.7	0.033	1440.4
60.0	-1.85	-1.85	34.13	27.47	59.4	0.036	1440.5
65.0	-1.85	-1.85	34.13	27.47	59.7	0.039	1440.5
70.0	-1.84	-1.84	34.13	27.48	59.2	0.042	1440.7
75.0	-1.70	-1.70	34.13	27.47	59.7	0.045	1441.4
80.0	-1.37	-1.37	34.19	27.51	56.4	0.048	1443.1
85.0	-1.07	-1.08	34.29	27.58	49.6	0.050	1444.8
90.0	-0.89	-0.89	34.36	27.63	44.5	0.053	1445.8
95.0	-0.71	-0.72	34.41	27.66	41.9	0.055	1446.8
100.0	-0.40	-0.40	34.41	27.65	43.1	0.057	1448.3
110.0	0.05	0.05	34.52	27.72	36.9	0.061	1450.7
120.0	0.46	0.46	34.60	27.76	32.7	0.065	1452.8
130.0	0.75	0.75	34.68	27.80	28.8	0.068	1454.4
140.0	0.97	0.96	34.72	27.82	27.0	0.071	1455.6
150.0	1.16	1.15	34.76	27.84	25.6	0.073	1456.7
160.0	1.35	1.34	34.81	27.87	23.3	0.076	1457.8
170.0	1.47	1.46	34.81	27.86	23.5	0.078	1458.5
180.0	1.68	1.67	34.87	27.89	21.0	0.080	1459.7
190.0	1.82	1.81	34.88	27.89	21.2	0.083	1460.5
200.0	1.90	1.89	34.92	27.91	19.1	0.085	1461.0
210.0	1.93	1.92	34.92	27.92	19.1	0.087	1461.3
220.0	1.96	1.95	34.95	27.93	17.7	0.088	1461.7
230.0	1.97	1.95	34.95	27.93	17.6	0.090	1461.8
240.0	1.98	1.96	34.96	27.94	16.8	0.092	1462.1
250.0	1.96	1.95	34.98	27.96	15.4	0.094	1462.2
260.0	1.93	1.92	34.97	27.95	15.8	0.095	1462.2
270.0	1.90	1.89	34.97	27.95	15.7	0.097	1462.2
280.0	1.87	1.86	34.97	27.96	15.5	0.098	1462.3
290.0	1.85	1.83	34.97	27.96	14.9	0.100	1462.3
300.0	1.82	1.81	34.98	27.97	14.4	0.101	1462.4
310.0	1.82	1.80	34.97	27.97	14.7	0.103	1462.5
320.0	1.80	1.78	34.98	27.97	14.4	0.104	1462.7
330.0	1.76	1.75	34.98	27.97	14.0	0.106	1462.7
340.0	1.71	1.69	34.97	27.97	14.1	0.107	1462.6
350.0	1.63	1.62	34.98	27.98	13.3	0.108	1462.4
360.0	1.59	1.57	34.96	27.97	14.1	0.110	1462.4
370.0	1.59	1.57	34.97	27.98	13.3	0.111	1462.5
380.0	1.53	1.51	34.97	27.98	13.0	0.113	1462.5
390.0	1.46	1.44	34.98	27.99	12.1	0.114	1462.3
400.0	1.38	1.36	34.97	28.00	11.7	0.115	1462.1
410.0	1.30	1.28	34.96	27.99	12.0	0.116	1461.9
420.0	1.26	1.23	34.96	27.99	12.0	0.117	1461.9
430.0	1.20	1.18	34.95	27.99	12.1	0.119	1461.8
440.0	1.15	1.13	34.96	28.00	11.4	0.120	1461.7
450.0	1.08	1.06	34.96	28.01	10.7	0.121	1461.6
460.0	1.03	1.00	34.95	28.00	10.9	0.122	1461.5
470.0	0.98	0.95	34.95	28.01	10.3	0.123	1461.5
480.0	0.96	0.93	34.95	28.01	10.5	0.124	1461.5
490.0	0.90	0.87	34.95	28.01	9.9	0.125	1461.4
497.0	0.87	0.85	34.93	28.00	11.0	0.126	1461.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 STATION 91(1) CTD 25/APR/1981 1417 GMT CODE = 5
LAT = 82.1102N LNG = 5.7747E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.89	-1.89	33.93	27.31	74.9	0.000	1439.0
4.0	-1.89	-1.90	33.93	27.31	74.9	0.003	1439.0
5.0	-1.89	-1.89	33.94	27.32	74.4	0.004	1439.1
10.0	-1.86	-1.86	33.97	27.35	71.9	0.007	1439.3
15.0	-1.84	-1.84	34.01	27.38	68.8	0.011	1439.6
20.0	-1.82	-1.82	34.04	27.40	66.5	0.014	1439.8
25.0	-1.78	-1.78	34.03	27.39	67.7	0.018	1440.0
30.0	-1.80	-1.80	34.05	27.41	66.1	0.021	1440.1
35.0	-1.83	-1.83	34.09	27.44	62.6	0.024	1440.1
40.0	-1.83	-1.83	34.08	27.43	63.7	0.028	1440.2
45.0	-1.78	-1.78	34.08	27.44	63.2	0.031	1440.5
50.0	-1.73	-1.73	34.15	27.49	58.3	0.034	1440.9
55.0	-1.58	-1.58	34.20	27.52	55.0	0.037	1441.8
60.0	-1.30	-1.31	34.25	27.55	51.9	0.040	1443.2
65.0	-0.76	-0.76	34.30	27.58	49.8	0.042	1445.9
70.0	-0.45	-0.45	34.39	27.63	44.6	0.044	1447.6
75.0	-0.36	-0.37	34.44	27.68	40.6	0.047	1448.1
80.0	-0.22	-0.22	34.48	27.70	38.7	0.049	1448.9
85.0	0.04	0.04	34.56	27.75	33.6	0.050	1450.3
90.0	0.26	0.26	34.62	27.79	30.0	0.052	1451.5
95.0	0.48	0.48	34.69	27.82	26.7	0.054	1452.6
100.0	0.72	0.72	34.70	27.82	27.0	0.055	1453.8
110.0	1.58	1.58	34.79	27.84	26.0	0.058	1457.9
120.0	2.27	2.26	34.91	27.88	22.5	0.060	1461.3
130.0	2.47	2.46	34.91	27.86	24.1	0.062	1462.4
140.0	2.30	2.29	34.94	27.90	20.1	0.065	1461.8
150.0	2.22	2.21	34.91	27.88	21.8	0.067	1461.6
160.0	2.26	2.25	34.92	27.89	21.4	0.069	1462.0
170.0	2.07	2.06	34.89	27.87	22.8	0.071	1461.2
180.0	2.03	2.02	34.91	27.90	20.9	0.073	1461.2
190.0	2.07	2.06	34.91	27.90	20.8	0.075	1461.6
200.0	2.08	2.07	34.91	27.90	21.0	0.078	1461.8
210.0	2.16	2.14	34.92	27.90	20.8	0.080	1462.3
220.0	2.13	2.11	34.90	27.88	22.2	0.082	1462.3
230.0	2.14	2.13	34.92	27.90	20.8	0.084	1462.6
240.0	2.15	2.14	34.95	27.92	19.2	0.086	1462.8
250.0	2.15	2.14	34.98	27.94	16.8	0.088	1463.0
260.0	2.15	2.14	34.95	27.92	19.1	0.090	1463.2
270.0	2.14	2.12	34.93	27.90	20.8	0.092	1463.2
280.0	2.11	2.09	34.93	27.91	20.3	0.094	1463.3
290.0	2.12	2.10	34.93	27.91	20.3	0.096	1463.5
300.0	2.06	2.05	34.94	27.92	19.5	0.098	1463.4
310.0	2.09	2.07	34.94	27.92	19.3	0.100	1463.7
320.0	2.09	2.08	34.95	27.92	19.1	0.102	1463.9
330.0	2.10	2.08	34.95	27.92	19.1	0.104	1464.1
340.0	2.12	2.10	34.96	27.93	18.6	0.106	1464.3
350.0	2.09	2.07	34.96	27.93	18.6	0.108	1464.4
360.0	2.03	2.01	34.97	27.94	17.4	0.109	1464.3
370.0	1.99	1.97	34.90	27.90	21.8	0.111	1464.2
380.0	1.97	1.95	34.94	27.92	19.2	0.113	1464.3
390.0	1.93	1.91	34.94	27.93	18.7	0.115	1464.3
400.0	1.95	1.93	34.92	27.91	20.2	0.117	1464.6
410.0	1.90	1.88	34.98	27.96	15.8	0.119	1464.6
420.0	1.85	1.83	34.95	27.94	17.6	0.121	1464.5
430.0	1.84	1.81	34.95	27.94	17.5	0.123	1464.6
440.0	1.83	1.81	34.95	27.94	17.6	0.124	1464.7
450.0	1.78	1.75	34.96	27.95	16.5	0.126	1464.7
460.0	1.76	1.74	34.95	27.95	16.8	0.128	1464.8
470.0	1.75	1.72	34.95	27.95	16.6	0.129	1464.9
480.0	1.73	1.70	34.95	27.95	16.4	0.131	1464.9
490.0	1.71	1.68	34.95	27.95	16.6	0.133	1465.0
500.0	1.67	1.65	34.93	27.94	17.5	0.135	1465.0
530.0	1.51	1.48	34.94	27.96	15.7	0.140	1464.8
560.0	1.50	1.47	34.97	27.98	13.6	0.144	1465.3
590.0	1.26	1.23	34.92	27.96	15.5	0.148	1464.7
620.0	1.05	1.02	34.91	27.97	14.4	0.153	1464.2
650.0	0.75	0.72	34.90	27.99	12.7	0.157	1463.4
680.0	0.56	0.53	34.90	27.99	11.9	0.161	1463.0
710.0	0.28	0.25	34.90	28.01	9.4	0.164	1462.3
740.0	0.05	0.02	34.89	28.01	9.0	0.167	1461.7
790.0	-0.13	-0.16	34.89	28.02	7.4	0.171	1461.7
840.0	-0.37	-0.40	34.92	28.06	3.6	0.174	1461.5
890.0	-0.54	-0.58	34.90	28.06	3.4	0.176	1461.5
940.0	-0.67	-0.70	34.90	28.06	2.4	0.177	1461.8
990.0	-0.79	-0.83	34.91	28.07	1.2	0.178	1462.1
1040.0	-0.87	-0.91	34.91	28.08	0.1	0.178	1462.5
1090.0	-0.93	-0.98	34.92	28.09	-0.9	0.178	1463.1
1140.0	-0.95	-1.00	34.92	28.09	-1.5	0.178	1463.8
1190.0	-0.95	-1.00	34.92	28.09	-1.4	0.177	1464.7
1204.4	-0.95	-1.00	34.92	28.09	-1.7	0.177	1465.0


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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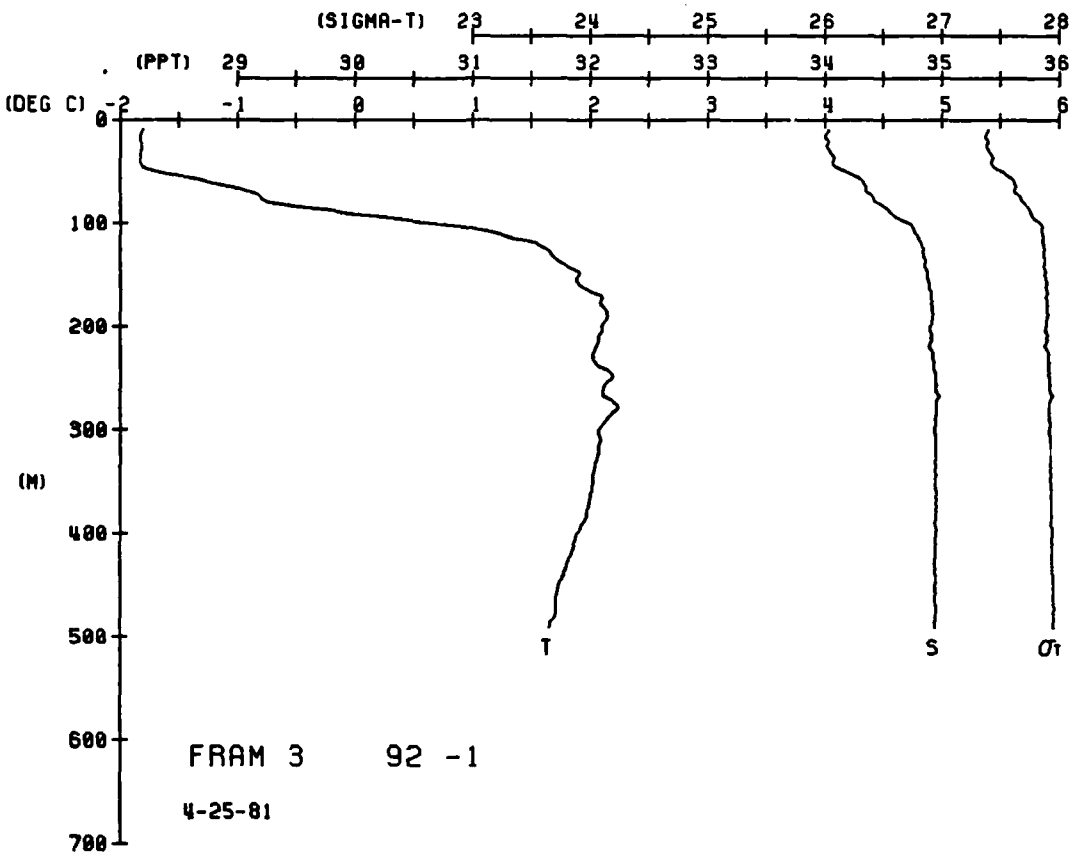

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 STATION 92(1) CTD 25/APR/1981 1529 GMT CODE = 5
LAT = 82.1020N LNG = 5.7578E LTER = 30 LGER = 30
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	34.04	27.40	67.1	0.000	1439.6
5.0	-1.80	-1.80	34.04	27.40	67.0	0.003	1439.7
8.9	-1.80	-1.80	34.04	27.40	67.0	0.006	1439.7
10.0	-1.81	-1.81	34.03	27.40	67.2	0.007	1439.7
15.0	-1.83	-1.83	34.00	27.37	69.5	0.010	1439.7
20.0	-1.83	-1.83	34.03	27.40	67.1	0.014	1439.8
25.0	-1.82	-1.82	34.02	27.39	68.0	0.017	1439.9
30.0	-1.83	-1.83	34.05	27.41	66.0	0.021	1440.0
35.0	-1.83	-1.83	34.08	27.43	63.7	0.024	1440.1
40.0	-1.83	-1.83	34.07	27.43	64.1	0.027	1440.2
45.0	-1.81	-1.81	34.10	27.45	61.9	0.030	1440.4
50.0	-1.70	-1.70	34.19	27.52	55.3	0.033	1441.1
55.0	-1.44	-1.44	34.28	27.58	49.2	0.036	1442.5
60.0	-1.25	-1.25	34.33	27.62	45.7	0.038	1443.6
65.0	-1.05	-1.05	34.36	27.63	44.5	0.040	1444.6
70.0	-0.88	-0.88	34.36	27.63	44.5	0.043	1445.5
75.0	-0.79	-0.79	34.41	27.67	41.0	0.045	1446.1
80.0	-0.72	-0.73	34.45	27.70	38.3	0.047	1446.5
85.0	-0.41	-0.41	34.53	27.74	34.1	0.049	1448.2
90.0	-0.05	-0.05	34.57	27.76	32.2	0.050	1450.0
95.0	0.31	0.31	34.62	27.78	30.6	0.052	1451.8
100.0	0.67	0.67	34.73	27.85	24.2	0.053	1453.6
110.0	1.23	1.23	34.78	27.85	24.2	0.056	1456.4
120.0	1.55	1.55	34.83	27.87	22.7	0.058	1458.1
130.0	1.67	1.67	34.84	27.87	22.7	0.060	1458.8
140.0	1.79	1.78	34.86	27.87	22.7	0.063	1459.5
150.0	1.90	1.90	34.88	27.88	21.9	0.065	1460.2
160.0	1.92	1.91	34.89	27.89	21.0	0.067	1460.4
170.0	2.09	2.08	34.91	27.89	21.1	0.069	1461.3
180.0	2.10	2.09	34.92	27.90	20.7	0.071	1461.6
190.0	2.15	2.14	34.93	27.90	20.3	0.074	1462.0
200.0	2.11	2.09	34.91	27.89	21.8	0.076	1461.9
210.0	2.08	2.07	34.91	27.90	21.0	0.078	1462.0
220.0	2.05	2.04	34.90	27.89	21.7	0.080	1462.0
230.0	2.03	2.01	34.93	27.91	19.6	0.082	1462.1
240.0	2.10	2.08	34.94	27.91	19.6	0.084	1462.6
250.0	2.18	2.17	34.95	27.92	19.2	0.086	1463.1
260.0	2.11	2.10	34.95	27.92	19.0	0.088	1463.0
270.0	2.16	2.15	34.96	27.93	18.2	0.090	1463.4
280.0	2.23	2.22	34.96	27.92	19.4	0.092	1463.9
290.0	2.14	2.13	34.95	27.92	19.2	0.094	1463.6
300.0	2.07	2.06	34.94	27.92	19.2	0.096	1463.5
310.0	2.09	2.07	34.95	27.92	18.9	0.098	1463.7
320.0	2.07	2.05	34.95	27.92	19.0	0.100	1463.8
330.0	2.05	2.03	34.95	27.93	18.9	0.101	1463.9
340.0	2.04	2.02	34.95	27.93	18.7	0.103	1464.0
350.0	2.03	2.01	34.95	27.93	18.3	0.105	1464.1
360.0	2.01	1.99	34.95	27.93	18.3	0.107	1464.2
370.0	2.00	1.97	34.95	27.93	18.2	0.109	1464.3
380.0	1.98	1.95	34.95	27.94	18.1	0.111	1464.4
390.0	1.94	1.92	34.94	27.93	18.7	0.113	1464.4
400.0	1.89	1.86	34.95	27.94	17.4	0.114	1464.3
410.0	1.87	1.84	34.94	27.94	17.9	0.116	1464.4
420.0	1.84	1.82	34.95	27.94	17.5	0.118	1464.4
430.0	1.80	1.78	34.94	27.94	17.6	0.120	1464.4
440.0	1.77	1.75	34.95	27.95	17.1	0.122	1464.5
450.0	1.73	1.71	34.94	27.95	17.0	0.123	1464.5
460.0	1.71	1.69	34.94	27.95	16.9	0.125	1464.5
470.0	1.71	1.68	34.95	27.95	16.6	0.127	1464.7
480.0	1.70	1.67	34.94	27.95	17.0	0.128	1464.8
490.0	1.66	1.63	34.94	27.95	16.9	0.130	1464.8
491.1	1.65	1.63	34.94	27.95	16.4	0.130	1464.8

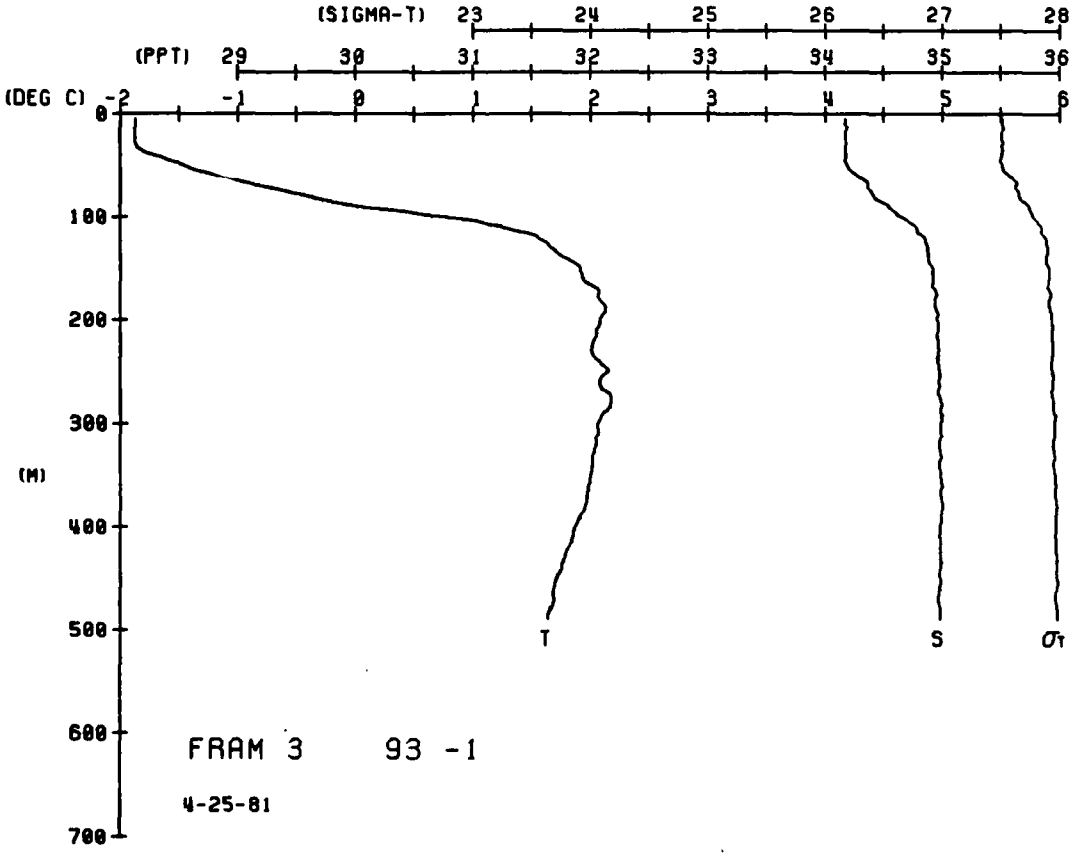
FRAM 3 STATION 93(1) CTD 25/APR/1981 1531 GMT CODE = 5
LAT = 82.1020N LNG = 5.7578E LTER = 30 LGER = 30
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.87	-1.87	34.17	27.51	56.3	0.000	1439.5
4.0	-1.87	-1.87	34.17	27.51	56.2	0.002	1439.5
5.0	-1.87	-1.87	34.17	27.51	56.2	0.003	1439.5
10.0	-1.87	-1.87	34.17	27.51	56.2	0.006	1439.6
15.0	-1.87	-1.87	34.19	27.52	55.4	0.009	1439.7
20.0	-1.87	-1.87	34.18	27.52	55.7	0.011	1439.8
25.0	-1.87	-1.87	34.18	27.52	55.6	0.014	1439.9
30.0	-1.86	-1.86	34.18	27.52	55.6	0.017	1440.0
35.0	-1.82	-1.82	34.18	27.52	55.5	0.020	1440.2
40.0	-1.72	-1.72	34.18	27.51	55.8	0.023	1440.8
45.0	-1.59	-1.59	34.17	27.50	56.8	0.025	1441.5
50.0	-1.46	-1.46	34.20	27.52	55.5	0.028	1442.2
55.0	-1.34	-1.35	34.22	27.53	53.9	0.031	1442.9
60.0	-1.18	-1.18	34.28	27.58	49.9	0.034	1443.8
65.0	-1.01	-1.01	34.36	27.63	44.7	0.036	1444.8
70.0	-0.80	-0.80	34.37	27.63	44.6	0.038	1445.9
75.0	-0.60	-0.60	34.40	27.65	43.3	0.041	1447.0
80.0	-0.40	-0.41	34.42	27.66	42.2	0.043	1448.0
85.0	-0.22	-0.22	34.48	27.70	38.4	0.045	1449.0
90.0	0.04	0.04	34.55	27.74	34.3	0.047	1450.4
95.0	0.40	0.39	34.61	27.77	32.2	0.048	1452.1
100.0	0.77	0.77	34.66	27.79	30.3	0.050	1454.0
110.0	1.25	1.24	34.79	27.86	23.7	0.053	1456.5
120.0	1.55	1.55	34.85	27.89	21.0	0.055	1458.1
130.0	1.67	1.67	34.88	27.90	19.7	0.057	1458.8
140.0	1.79	1.79	34.89	27.90	20.5	0.059	1459.5
150.0	1.92	1.91	34.93	27.92	18.5	0.061	1460.3
160.0	1.94	1.93	34.92	27.91	19.0	0.063	1460.5
170.0	2.08	2.07	34.95	27.92	18.3	0.065	1461.3
180.0	2.09	2.08	34.95	27.92	18.3	0.066	1461.5
190.0	2.13	2.12	34.96	27.93	17.7	0.068	1461.9
200.0	2.09	2.08	34.97	27.94	16.8	0.070	1461.9
210.0	2.06	2.05	34.97	27.95	16.4	0.072	1462.0
220.0	2.03	2.02	34.97	27.95	16.3	0.073	1462.0
230.0	2.01	2.00	34.98	27.95	15.9	0.075	1462.1
240.0	2.08	2.07	34.97	27.94	16.9	0.077	1462.6
250.0	2.16	2.14	34.99	27.95	16.1	0.078	1463.1
260.0	2.09	2.07	34.98	27.95	16.1	0.080	1462.9
270.0	2.15	2.14	34.97	27.94	17.3	0.082	1463.4
280.0	2.18	2.16	35.00	27.96	15.7	0.083	1463.7
290.0	2.12	2.10	35.00	27.97	14.9	0.085	1463.6
300.0	2.07	2.05	35.00	27.96	15.1	0.086	1463.5
310.0	2.07	2.05	35.00	27.97	15.0	0.088	1463.7
320.0	2.06	2.04	34.99	27.96	15.7	0.089	1463.8
330.0	2.04	2.02	35.00	27.97	14.7	0.091	1463.9
340.0	2.03	2.01	34.99	27.96	15.9	0.093	1464.0
350.0	2.01	1.99	35.00	27.97	14.8	0.094	1464.1
360.0	1.99	1.97	35.01	27.98	14.0	0.096	1464.2
370.0	1.98	1.96	35.00	27.97	14.5	0.097	1464.3
380.0	1.96	1.94	35.01	27.98	13.5	0.098	1464.4
390.0	1.92	1.90	35.01	27.98	13.6	0.100	1464.4
400.0	1.88	1.85	35.00	27.98	14.0	0.101	1464.3
410.0	1.86	1.83	34.99	27.98	14.2	0.103	1464.4
420.0	1.82	1.80	35.00	27.98	13.6	0.104	1464.4
430.0	1.78	1.76	34.99	27.98	13.5	0.105	1464.4
440.0	1.76	1.73	34.99	27.98	13.5	0.107	1464.5
450.0	1.71	1.69	34.99	27.99	13.0	0.108	1464.4
460.0	1.70	1.67	34.99	27.98	13.5	0.109	1464.5
470.0	1.70	1.67	34.98	27.98	14.0	0.111	1464.7
480.0	1.67	1.64	35.00	27.99	12.6	0.112	1464.8
489.1	1.64	1.62	34.99	27.99	12.8	0.113	1464.8



FRAM 3 92 -1

4-25-81

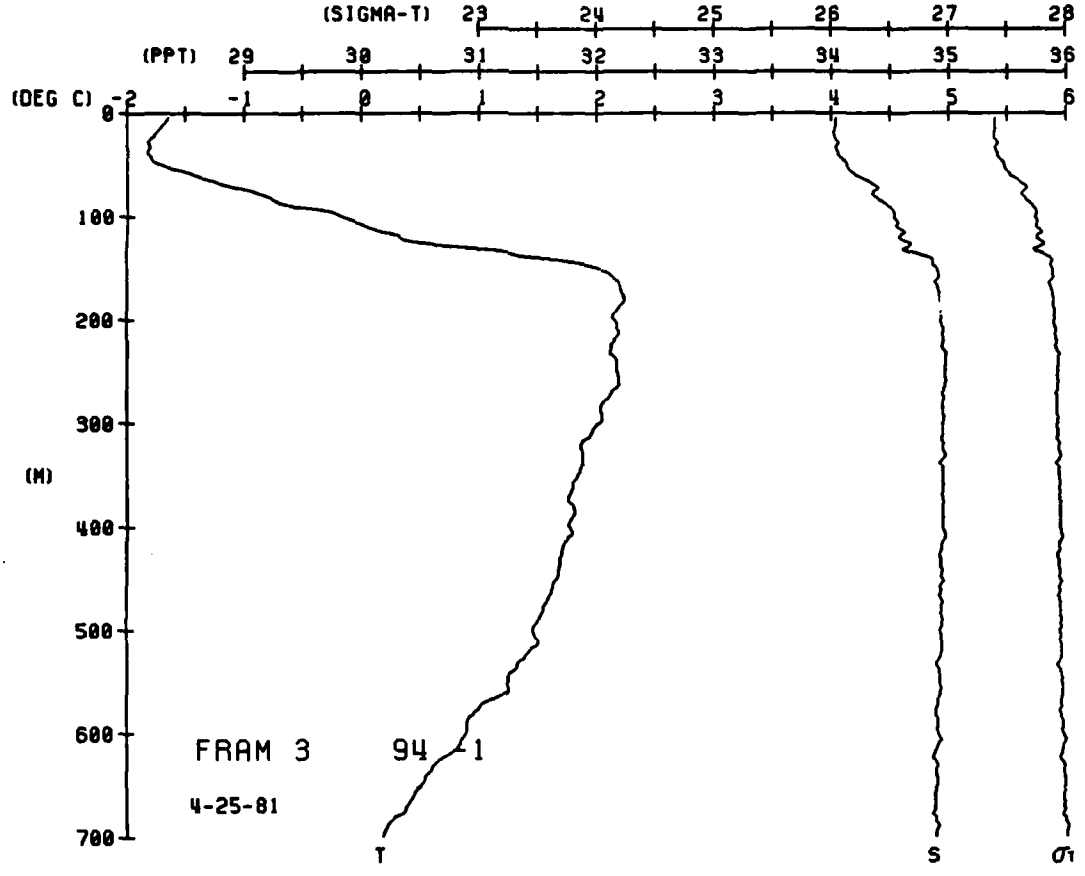


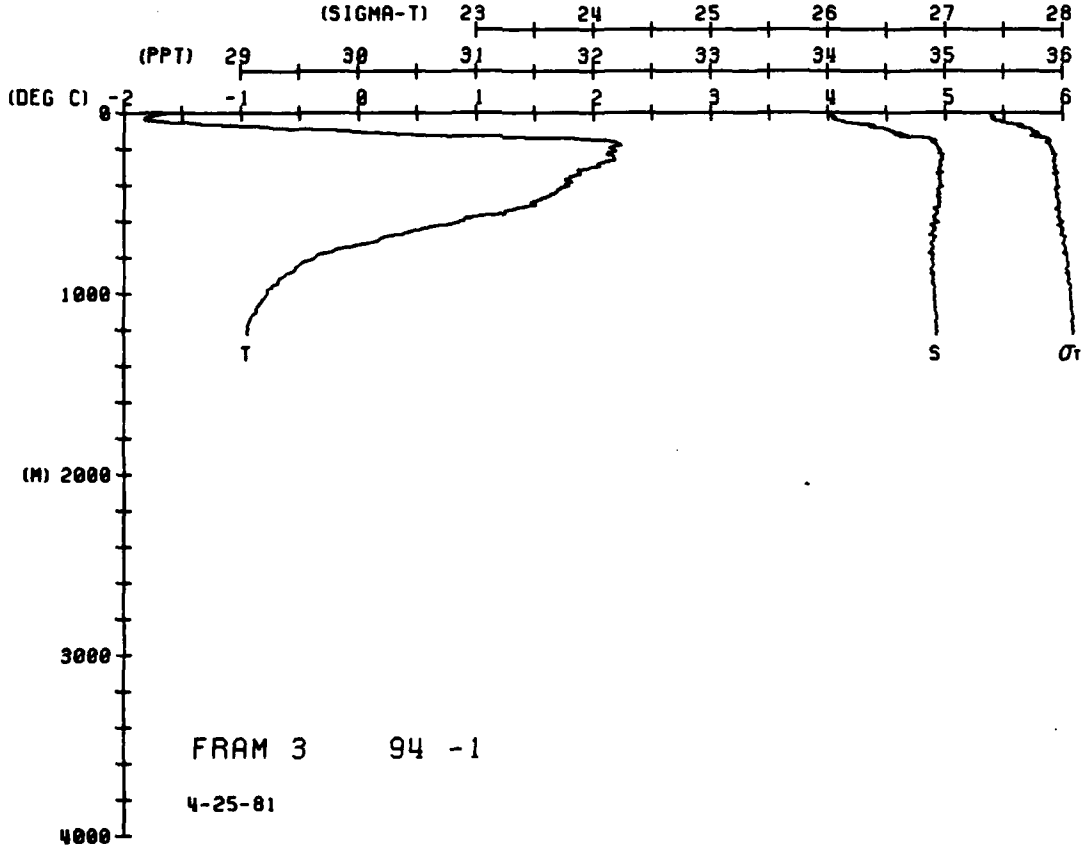
FRAM 3 93 -1

4-25-81

FRAM 3 STATION 94(1) CTD 25/APR/1981 2019 GMT CODE = 5
LAT = 82.0745N LNG = 5.6910E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.63	-1.63	34.04	27.40	67.2	0.000	1440.4
4.0	-1.63	-1.64	34.04	27.40	67.1	0.003	1440.4
5.0	-1.65	-1.65	34.04	27.40	66.9	0.003	1440.4
10.0	-1.68	-1.68	34.04	27.40	67.3	0.007	1440.3
15.0	-1.72	-1.72	34.04	27.40	67.2	0.010	1440.2
20.0	-1.76	-1.76	34.03	27.39	67.5	0.014	1440.1
25.0	-1.80	-1.80	34.04	27.40	66.8	0.017	1440.0
30.0	-1.81	-1.81	34.06	27.42	65.2	0.020	1440.1
35.0	-1.81	-1.81	34.04	27.40	66.6	0.024	1440.1
40.0	-1.82	-1.82	34.06	27.42	65.0	0.027	1440.2
45.0	-1.78	-1.78	34.10	27.45	61.8	0.030	1440.5
50.0	-1.71	-1.71	34.13	27.47	59.5	0.033	1441.0
55.0	-1.56	-1.56	34.17	27.50	57.4	0.036	1441.8
60.0	-1.42	-1.42	34.21	27.53	54.2	0.039	1442.6
65.0	-1.28	-1.28	34.30	27.60	47.8	0.042	1443.5
70.0	-1.15	-1.15	34.38	27.66	42.2	0.044	1444.3
75.0	-0.95	-0.95	34.37	27.64	43.5	0.046	1445.3
80.0	-0.82	-0.82	34.37	27.64	44.3	0.048	1446.0
85.0	-0.73	-0.73	34.43	27.98	40.3	0.050	1446.5
90.0	-0.56	-0.56	34.49	27.72	35.9	0.052	1447.5
95.0	-0.29	-0.29	34.54	27.75	33.9	0.054	1448.9
100.0	-0.16	-0.17	34.54	27.74	34.2	0.056	1449.6
110.0	0.05	0.05	34.56	27.75	33.9	0.059	1450.7
120.0	0.34	0.33	34.58	27.75	34.0	0.063	1452.2
130.0	0.89	0.89	34.65	27.77	32.1	0.066	1455.0
140.0	1.53	1.53	34.85	27.88	21.5	0.069	1458.3
150.0	2.02	2.02	34.91	27.90	20.8	0.071	1460.7
160.0	2.16	2.15	34.91	27.89	21.4	0.073	1461.5
170.0	2.21	2.20	34.91	27.89	21.9	0.075	1461.9
180.0	2.24	2.23	34.94	27.90	20.4	0.077	1462.2
190.0	2.17	2.16	34.94	27.91	19.7	0.079	1462.1
200.0	2.16	2.15	34.95	27.92	19.1	0.081	1462.2
210.0	2.19	2.18	34.96	27.93	18.2	0.083	1462.5
220.0	2.15	2.14	34.96	27.93	18.0	0.085	1462.5
230.0	2.12	2.11	34.97	27.94	16.8	0.087	1462.6
240.0	2.17	2.16	34.98	27.94	17.9	0.088	1463.0
250.0	2.18	2.16	34.97	27.94	17.4	0.090	1463.1
260.0	2.19	2.18	34.98	27.94	17.4	0.092	1463.4
270.0	2.13	2.12	34.96	27.93	18.6	0.094	1463.3
280.0	2.06	2.04	34.96	27.93	17.8	0.096	1463.1
290.0	2.05	2.03	34.96	27.94	17.7	0.097	1463.2
300.0	2.02	2.00	34.96	27.94	17.5	0.099	1463.3
310.0	1.96	1.94	34.96	27.94	17.3	0.101	1463.1
320.0	1.87	1.85	34.96	27.95	16.0	0.103	1462.9
330.0	1.88	1.87	34.98	27.96	15.1	0.104	1463.2
340.0	1.88	1.86	34.94	27.94	17.8	0.106	1463.3
350.0	1.84	1.83	34.96	27.95	16.4	0.108	1463.3
360.0	1.80	1.78	34.96	27.95	16.0	0.109	1463.3
370.0	1.77	1.75	34.95	27.95	16.2	0.111	1463.3
380.0	1.81	1.79	34.96	27.96	16.0	0.113	1463.7
390.0	1.80	1.78	34.96	27.96	16.0	0.114	1463.8
400.0	1.77	1.75	34.96	27.95	16.2	0.116	1463.8
410.0	1.77	1.74	34.98	27.97	14.7	0.117	1464.0
420.0	1.72	1.70	34.95	27.95	16.3	0.119	1463.9
430.0	1.70	1.67	34.94	27.95	16.7	0.121	1464.0
440.0	1.68	1.66	34.95	27.96	16.2	0.122	1464.1
450.0	1.66	1.64	34.96	27.96	15.5	0.124	1464.2
460.0	1.63	1.60	34.94	27.96	16.2	0.125	1464.2
470.0	1.59	1.57	34.95	27.96	15.5	0.127	1464.2
480.0	1.55	1.52	34.95	27.97	15.0	0.129	1464.2
490.0	1.51	1.48	34.96	27.97	14.4	0.130	1464.2
500.0	1.47	1.44	34.94	27.97	15.1	0.132	1464.1
530.0	1.35	1.32	34.91	27.95	16.9	0.136	1464.0
560.0	1.24	1.21	34.94	27.98	13.9	0.141	1464.1
590.0	0.90	0.87	34.92	27.99	12.5	0.145	1463.1
620.0	0.74	0.71	34.89	27.97	14.0	0.149	1462.8
650.0	0.51	0.48	34.91	28.00	10.5	0.153	1462.3
680.0	0.30	0.27	34.90	28.01	9.8	0.156	1461.8
710.0	0.17	0.13	34.90	28.02	8.4	0.159	1461.7
740.0	-0.06	-0.09	34.90	28.03	7.1	0.161	1461.2
790.0	-0.35	-0.38	34.89	28.04	5.8	0.164	1460.7
840.0	-0.50	-0.53	34.90	28.05	3.7	0.167	1460.9
890.0	-0.61	-0.64	34.89	28.05	3.9	0.169	1461.2
940.0	-0.69	-0.72	34.89	28.05	3.1	0.171	1461.7
990.0	-0.77	-0.81	34.91	28.07	1.1	0.172	1462.1
1040.0	-0.81	-0.86	34.91	28.08	0.5	0.172	1462.8
1090.0	-0.87	-0.91	34.92	28.08	-0.5	0.172	1463.4
1140.0	-0.92	-0.97	34.94	28.10	-2.2	0.171	1464.0
1190.0	-0.94	-0.98	34.93	28.10	-2.3	0.170	1464.8
1227.1	-0.94	-0.99	34.94	28.10	-2.6	0.169	1465.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 94 -1
4-25-81
T
S
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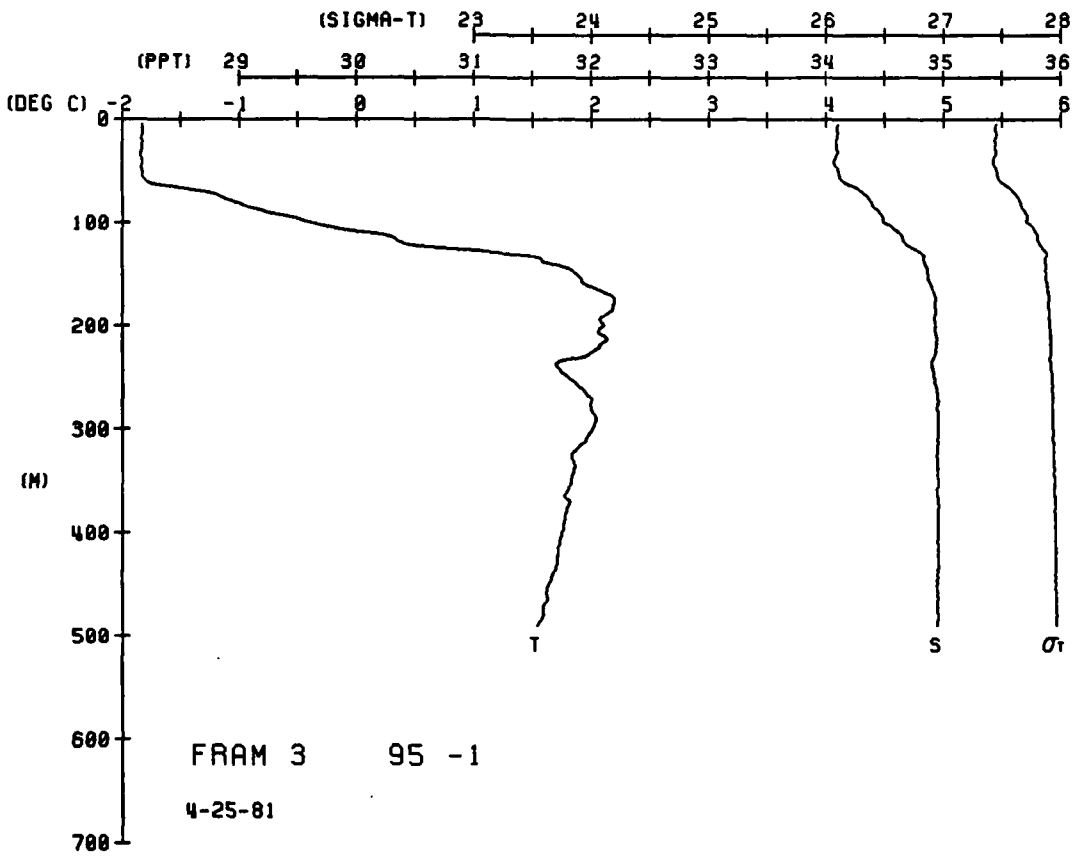

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 94 -1
4-25-81

FRAM 3 STATION 95(1) CTD 25/APR/1981 2133 GMT CODE = 5
LAT = 82.0677N LNG = 5.6563E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.11	27.46	61.2	0.000	1439.5
4.0	-1.84	-1.84	34.11	27.46	61.2	0.002	1439.6
5.0	-1.83	-1.83	34.11	27.45	61.6	0.003	1439.6
10.0	-1.83	-1.83	34.10	27.45	62.2	0.006	1439.7
15.0	-1.83	-1.83	34.10	27.45	62.0	0.009	1439.8
20.0	-1.83	-1.83	34.09	27.44	62.9	0.013	1439.8
25.0	-1.83	-1.83	34.10	27.45	62.3	0.016	1439.9
30.0	-1.84	-1.84	34.10	27.45	61.7	0.019	1440.0
35.0	-1.84	-1.84	34.10	27.45	62.0	0.022	1440.0
40.0	-1.83	-1.83	34.08	27.43	63.6	0.025	1440.1
45.0	-1.84	-1.84	34.09	27.44	62.6	0.028	1440.2
50.0	-1.83	-1.83	34.11	27.46	61.2	0.031	1440.4
55.0	-1.82	-1.82	34.12	27.46	60.4	0.035	1440.5
60.0	-1.79	-1.79	34.15	27.49	57.8	0.038	1440.8
65.0	-1.61	-1.61	34.23	27.55	52.2	0.040	1441.8
70.0	-1.31	-1.31	34.31	27.60	47.2	0.043	1443.4
75.0	-1.16	-1.16	34.36	27.64	43.9	0.045	1444.3
80.0	-1.05	-1.05	34.39	27.66	42.1	0.047	1444.9
85.0	-0.92	-0.92	34.41	27.67	41.0	0.049	1445.6
90.0	-0.75	-0.75	34.46	27.71	37.7	0.051	1446.6
95.0	-0.55	-0.55	34.48	27.71	37.1	0.053	1447.6
100.0	-0.40	-0.40	34.50	27.72	36.0	0.055	1448.4
110.0	0.11	0.10	34.63	27.80	28.7	0.058	1451.1
120.0	0.39	0.38	34.68	27.83	26.6	0.061	1452.6
130.0	1.31	1.30	34.83	27.89	21.1	0.064	1457.1
140.0	1.67	1.66	34.85	27.88	22.3	0.066	1458.9
150.0	1.89	1.88	34.87	27.88	22.4	0.068	1460.1
160.0	1.98	1.97	34.89	27.89	21.5	0.070	1460.7
170.0	2.17	2.16	34.93	27.90	20.6	0.072	1461.7
180.0	2.19	2.18	34.92	27.89	21.1	0.074	1462.0
190.0	2.10	2.09	34.93	27.90	20.1	0.077	1461.8
200.0	2.10	2.09	34.94	27.91	19.4	0.079	1461.9
210.0	2.12	2.11	34.94	27.92	19.1	0.081	1462.2
220.0	2.07	2.05	34.94	27.92	19.0	0.082	1462.1
230.0	1.92	1.91	34.92	27.91	19.4	0.084	1461.6
240.0	1.71	1.70	34.91	27.92	18.8	0.086	1460.8
250.0	1.81	1.80	34.92	27.92	18.3	0.088	1461.5
260.0	1.92	1.91	34.94	27.93	18.1	0.090	1462.1
270.0	2.00	1.99	34.95	27.93	17.8	0.092	1462.7
280.0	2.01	1.99	34.95	27.93	17.8	0.094	1462.9
290.0	2.05	2.03	34.96	27.93	18.0	0.095	1463.2
300.0	2.01	1.99	34.96	27.94	17.7	0.097	1463.2
310.0	1.96	1.94	34.95	27.94	17.7	0.099	1463.1
320.0	1.86	1.84	34.95	27.94	17.0	0.101	1462.9
330.0	1.85	1.83	34.95	27.94	17.1	0.103	1463.0
340.0	1.85	1.83	34.95	27.95	16.7	0.104	1463.1
350.0	1.83	1.81	34.95	27.95	16.5	0.106	1463.2
360.0	1.79	1.77	34.95	27.95	16.8	0.108	1463.2
370.0	1.82	1.80	34.96	27.95	16.1	0.109	1463.5
380.0	1.78	1.76	34.96	27.96	16.0	0.111	1463.6
390.0	1.77	1.75	34.95	27.95	16.2	0.113	1463.6
400.0	1.75	1.73	34.96	27.96	16.0	0.114	1463.7
410.0	1.73	1.71	34.96	27.96	15.9	0.116	1463.8
420.0	1.72	1.69	34.96	27.96	15.8	0.117	1463.9
430.0	1.71	1.68	34.95	27.96	16.0	0.119	1464.0
440.0	1.67	1.65	34.95	27.96	15.8	0.121	1464.1
450.0	1.64	1.61	34.95	27.96	15.7	0.122	1464.1
460.0	1.62	1.60	34.95	27.96	15.4	0.124	1464.1
470.0	1.60	1.57	34.95	27.97	15.2	0.125	1464.2
480.0	1.59	1.56	34.96	27.97	14.9	0.127	1464.3
490.0	1.53	1.50	34.95	27.97	14.9	0.128	1464.2
490.1	1.53	1.50	34.95	27.97	14.8	0.128	1464.2

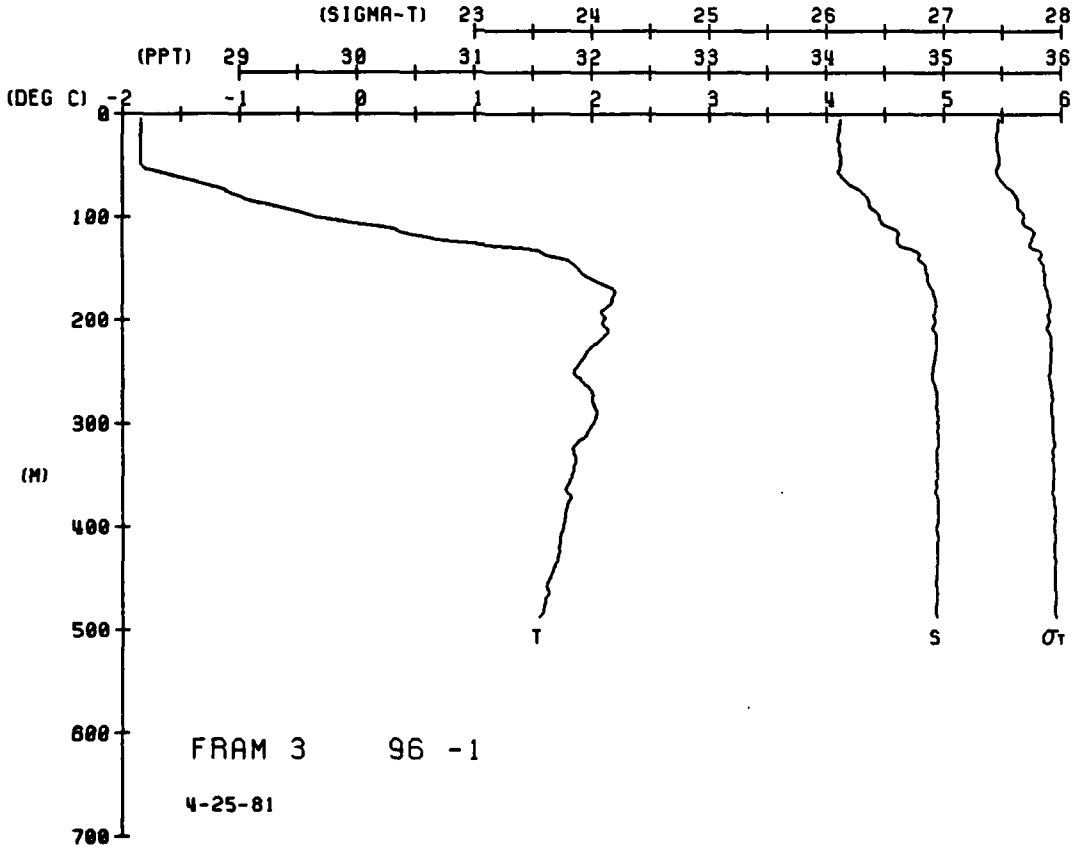
FRAM 3 STATION 96(1) CTD 25/APR/1981 2135 GMT CODE = 5
LAT = 82.0677N LNG = 5.6563E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.12	27.47	60.6	0.000	1439.5
4.0	-1.85	-1.85	34.12	27.47	60.5	0.002	1439.5
5.0	-1.85	-1.85	34.12	27.47	60.6	0.003	1439.6
10.0	-1.85	-1.85	34.12	27.46	60.9	0.006	1439.6
15.0	-1.85	-1.85	34.11	27.46	61.1	0.009	1439.7
20.0	-1.84	-1.84	34.10	27.45	61.7	0.012	1439.8
25.0	-1.85	-1.85	34.11	27.46	61.3	0.015	1439.9
30.0	-1.84	-1.84	34.12	27.46	60.6	0.019	1440.0
35.0	-1.84	-1.84	34.12	27.46	60.7	0.022	1440.1
40.0	-1.84	-1.84	34.13	27.47	59.7	0.025	1440.2
45.0	-1.84	-1.84	34.13	27.47	59.6	0.028	1440.3
50.0	-1.83	-1.83	34.12	27.47	60.0	0.031	1440.4
55.0	-1.73	-1.73	34.10	27.45	61.8	0.034	1440.9
60.0	-1.56	-1.56	34.13	27.47	59.9	0.037	1441.8
65.0	-1.40	-1.40	34.17	27.50	57.2	0.040	1442.7
70.0	-1.24	-1.24	34.23	27.53	53.8	0.043	1443.6
75.0	-1.11	-1.11	34.30	27.59	48.4	0.045	1444.4
80.0	-1.00	-1.01	34.34	27.62	45.7	0.048	1445.1
85.0	-0.87	-0.87	34.36	27.63	44.5	0.050	1445.8
90.0	-0.67	-0.67	34.38	27.63	44.4	0.052	1446.9
95.0	-0.50	-0.51	34.43	27.67	40.9	0.054	1447.8
100.0	-0.33	-0.33	34.45	27.68	40.0	0.056	1448.7
110.0	0.24	0.23	34.55	27.73	35.9	0.060	1451.6
120.0	0.60	0.59	34.61	27.76	33.2	0.064	1453.5
130.0	1.42	1.41	34.69	27.77	32.6	0.067	1457.4
140.0	1.74	1.73	34.79	27.82	27.6	0.070	1459.1
150.0	1.90	1.89	34.85	27.86	24.4	0.073	1460.1
160.0	2.01	2.00	34.86	27.86	24.0	0.075	1460.8
170.0	2.19	2.18	34.90	27.88	22.4	0.077	1461.8
180.0	2.17	2.16	34.93	27.90	20.3	0.080	1461.9
190.0	2.10	2.09	34.93	27.91	19.6	0.082	1461.7
200.0	2.10	2.09	34.94	27.91	19.4	0.084	1461.9
210.0	2.14	2.13	34.92	27.90	21.1	0.086	1462.3
220.0	2.07	2.05	34.94	27.92	19.0	0.088	1462.1
230.0	1.97	1.95	34.93	27.92	18.6	0.090	1461.8
240.0	1.90	1.89	34.92	27.92	19.3	0.091	1461.7
250.0	1.85	1.84	34.90	27.91	20.0	0.093	1461.6
260.0	1.93	1.92	34.92	27.91	19.7	0.095	1462.2
270.0	2.01	2.00	34.94	27.92	18.6	0.097	1462.7
280.0	2.02	2.00	34.95	27.93	18.3	0.099	1462.9
290.0	2.05	2.03	34.95	27.93	18.2	0.101	1463.2
300.0	2.02	2.00	34.95	27.93	18.0	0.103	1463.2
310.0	1.96	1.94	34.95	27.94	17.5	0.105	1463.1
320.0	1.86	1.84	34.96	27.95	16.3	0.106	1462.9
330.0	1.86	1.84	34.94	27.94	17.4	0.108	1463.0
340.0	1.85	1.83	34.95	27.94	16.9	0.110	1463.2
350.0	1.83	1.82	34.95	27.94	17.0	0.112	1463.3
360.0	1.79	1.77	34.95	27.94	17.0	0.113	1463.2
370.0	1.83	1.81	34.95	27.95	17.0	0.115	1463.6
380.0	1.79	1.77	34.96	27.95	16.3	0.117	1463.6
390.0	1.77	1.75	34.95	27.95	16.3	0.118	1463.7
400.0	1.76	1.74	34.94	27.95	16.9	0.120	1463.8
410.0	1.74	1.71	34.96	27.96	15.9	0.122	1463.8
420.0	1.73	1.70	34.95	27.95	16.4	0.123	1463.9
430.0	1.71	1.69	34.95	27.95	16.4	0.125	1464.0
440.0	1.68	1.66	34.95	27.96	15.9	0.127	1464.1
450.0	1.64	1.62	34.94	27.96	16.2	0.128	1464.1
460.0	1.63	1.61	34.95	27.96	15.8	0.130	1464.2
470.0	1.61	1.58	34.95	27.96	15.7	0.131	1464.3
480.0	1.60	1.57	34.94	27.96	16.2	0.133	1464.4
488.1	1.54	1.52	34.96	27.97	14.8	0.134	1464.3



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4-25-81

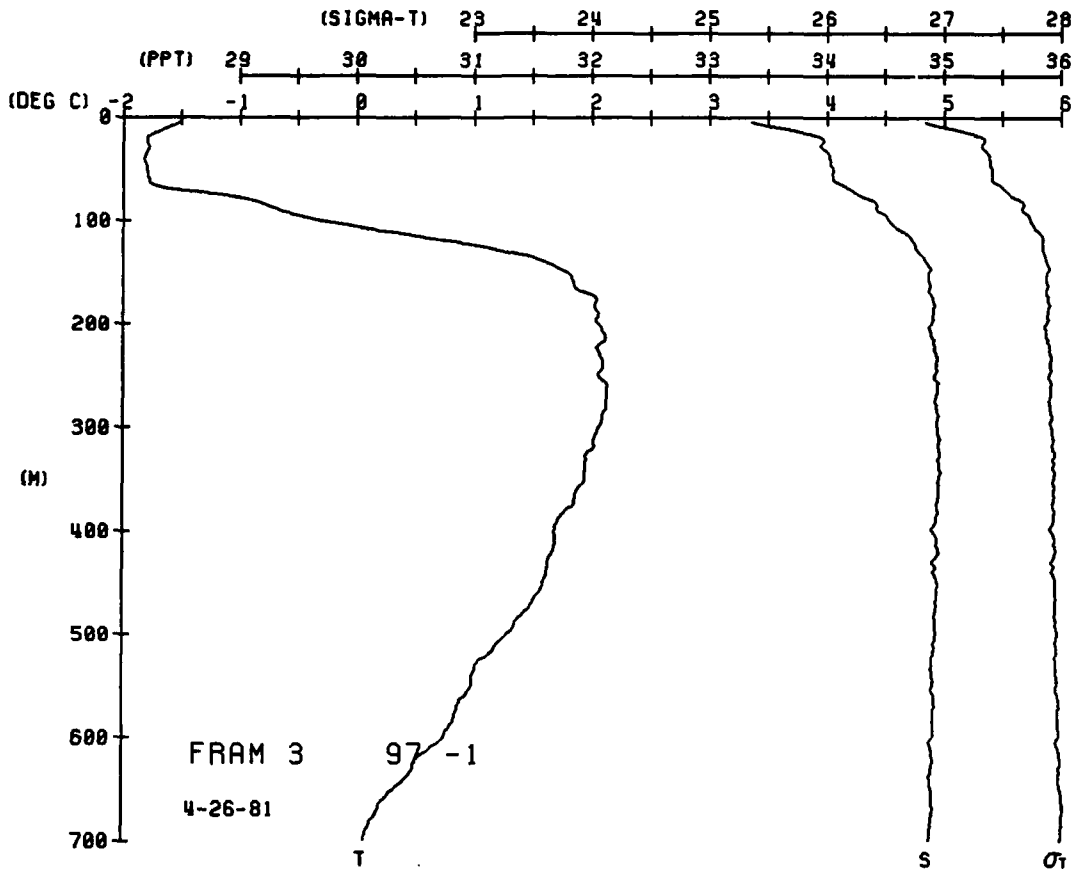


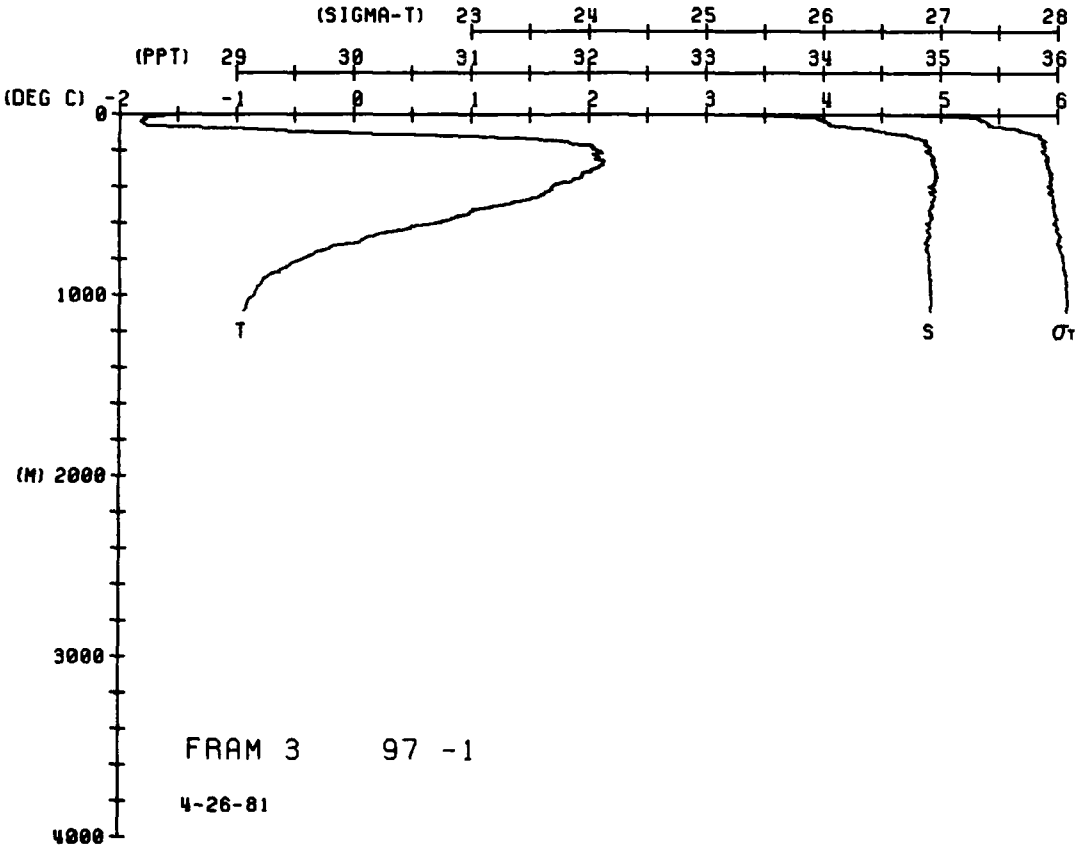
FRAM 3 96 -1

4-25-81

FRAM 3 STATION 97(1) CTD 26/APR/1981 1202 GMT CODE = 5
LAT = 82.0052N LNG = 5.5963E WTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

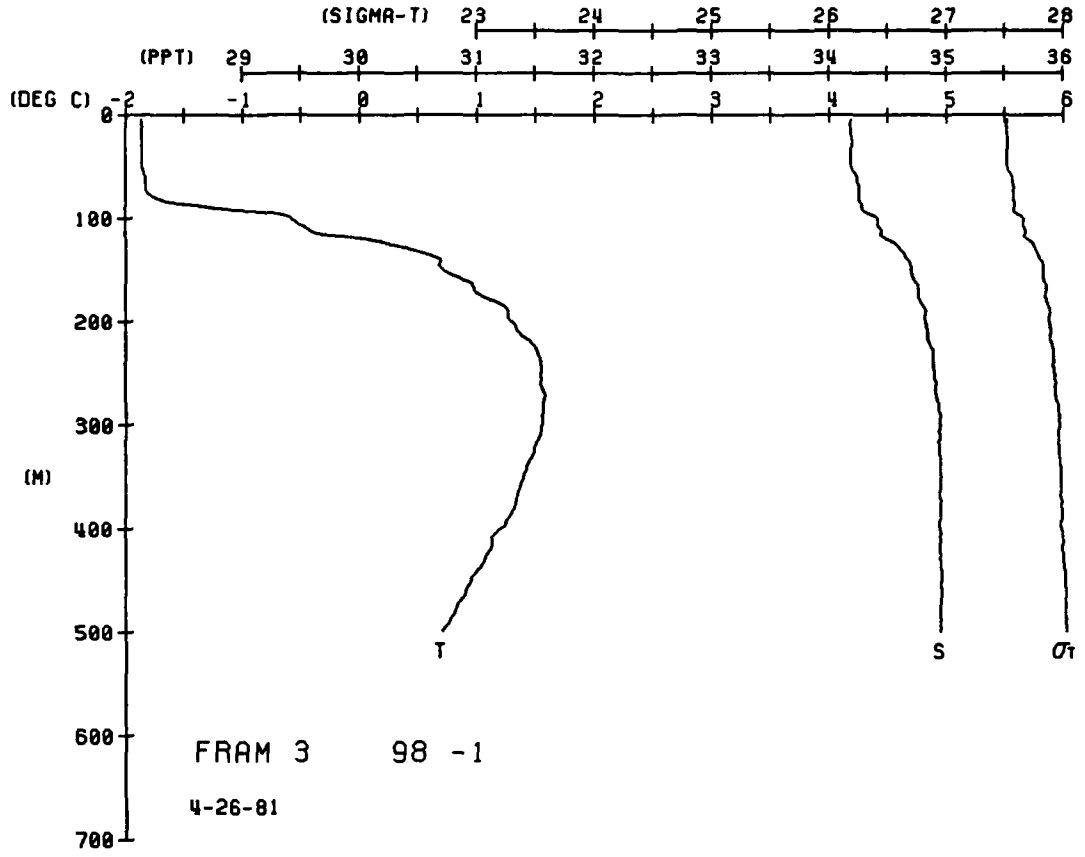
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.49	-1.49	33.31	26.80	123.6	0.000	1440.0
4.0	-1.49	-1.49	33.31	26.80	123.6	0.005	1440.1
5.0	-1.51	-1.51	33.36	26.84	120.0	0.006	1440.1
10.0	-1.61	-1.61	33.58	27.02	102.5	0.012	1440.0
15.0	-1.72	-1.72	33.81	27.21	84.4	0.017	1439.9
20.0	-1.79	-1.79	33.96	27.33	73.0	0.021	1439.8
25.0	-1.79	-1.79	33.96	27.34	72.7	0.024	1439.9
30.0	-1.78	-1.78	33.97	27.34	72.2	0.028	1440.1
35.0	-1.80	-1.80	34.02	27.38	68.2	0.031	1440.1
40.0	-1.81	-1.81	34.03	27.39	67.3	0.035	1440.2
45.0	-1.80	-1.80	34.03	27.40	67.0	0.038	1440.3
50.0	-1.79	-1.80	34.06	27.42	65.0	0.042	1440.5
55.0	-1.78	-1.79	34.05	27.41	65.4	0.045	1440.6
60.0	-1.78	-1.78	34.06	27.42	64.8	0.048	1440.7
65.0	-1.75	-1.76	34.13	27.47	59.8	0.051	1441.0
70.0	-1.55	-1.56	34.21	27.53	54.1	0.054	1442.1
75.0	-1.15	-1.16	34.28	27.57	50.3	0.057	1444.2
80.0	-0.91	-0.92	34.38	27.65	43.0	0.059	1445.5
85.0	-0.77	-0.77	34.43	27.68	39.8	0.061	1446.4
90.0	-0.66	-0.66	34.43	27.68	40.0	0.063	1447.0
95.0	-0.50	-0.50	34.51	27.73	35.2	0.065	1447.9
100.0	-0.30	-0.30	34.54	27.75	33.9	0.067	1449.0
110.0	0.22	0.22	34.65	27.81	28.2	0.070	1451.7
120.0	0.81	0.80	34.74	27.85	24.4	0.073	1454.6
130.0	1.29	1.28	34.79	27.86	24.0	0.075	1457.0
140.0	1.61	1.61	34.85	27.89	21.5	0.078	1458.7
150.0	1.79	1.79	34.87	27.89	21.5	0.080	1459.7
160.0	1.85	1.84	34.89	27.89	20.9	0.082	1460.1
170.0	1.97	1.96	34.88	27.88	22.2	0.084	1460.8
180.0	2.03	2.02	34.92	27.90	20.1	0.086	1461.3
190.0	2.06	2.05	34.91	27.89	21.1	0.088	1461.5
200.0	2.07	2.06	34.89	27.88	22.5	0.090	1461.7
210.0	2.12	2.11	34.90	27.88	22.6	0.093	1462.1
220.0	2.06	2.05	34.93	27.91	20.0	0.095	1462.1
230.0	2.07	2.06	34.95	27.92	18.4	0.097	1462.3
240.0	2.10	2.09	34.94	27.91	19.5	0.099	1462.6
250.0	2.06	2.05	34.92	27.90	20.4	0.101	1462.6
260.0	2.14	2.12	34.95	27.92	19.0	0.103	1463.1
270.0	2.13	2.11	34.94	27.92	19.5	0.105	1463.2
280.0	2.13	2.11	34.94	27.92	19.5	0.107	1463.4
290.0	2.10	2.08	34.96	27.93	18.2	0.109	1463.4
300.0	2.06	2.05	34.96	27.93	18.1	0.110	1463.4
310.0	2.03	2.01	34.97	27.94	16.9	0.112	1463.5
320.0	2.01	1.99	34.96	27.94	17.4	0.114	1463.6
330.0	1.96	1.94	34.95	27.94	17.5	0.116	1463.5
340.0	1.95	1.93	34.97	27.95	16.5	0.117	1463.6
350.0	1.94	1.92	34.96	27.94	17.1	0.119	1463.7
360.0	1.88	1.86	34.96	27.95	16.3	0.121	1463.7
370.0	1.86	1.83	34.96	27.95	16.4	0.122	1463.7
380.0	1.78	1.75	34.96	27.95	16.1	0.124	1463.5
390.0	1.72	1.70	34.94	27.95	16.9	0.126	1463.4
400.0	1.68	1.66	34.92	27.93	18.5	0.128	1463.4
410.0	1.69	1.67	34.95	27.96	16.0	0.129	1463.6
420.0	1.67	1.65	34.96	27.97	15.0	0.131	1463.7
430.0	1.63	1.61	34.91	27.93	18.8	0.133	1463.6
440.0	1.62	1.60	34.92	27.94	17.6	0.134	1463.8
450.0	1.60	1.57	34.95	27.96	15.2	0.136	1463.9
460.0	1.55	1.53	34.95	27.97	15.2	0.138	1463.8
470.0	1.50	1.47	34.94	27.96	15.2	0.139	1463.8
480.0	1.42	1.39	34.93	27.96	15.6	0.141	1463.5
490.0	1.35	1.32	34.93	27.97	14.7	0.142	1463.4
500.0	1.27	1.25	34.94	27.98	14.0	0.144	1463.3
530.0	1.02	0.99	34.91	27.97	14.1	0.148	1462.6
560.0	0.92	0.89	34.92	27.99	12.4	0.152	1462.6
590.0	0.79	0.76	34.91	27.99	12.1	0.156	1462.6
620.0	0.51	0.48	34.92	28.01	9.8	0.159	1461.8
650.0	0.31	0.29	34.91	28.01	9.3	0.162	1461.4
680.0	0.12	0.09	34.90	28.02	8.1	0.165	1461.0
710.0	0.04	0.01	34.88	28.01	9.5	0.167	1461.1
740.0	-0.20	-0.23	34.88	28.02	7.5	0.170	1460.6
790.0	-0.39	-0.42	34.90	28.05	4.7	0.173	1460.5
840.0	-0.56	-0.59	34.90	28.05	3.5	0.175	1460.6
890.0	-0.72	-0.75	34.91	28.07	1.5	0.176	1460.7
940.0	-0.80	-0.83	34.92	28.08	0.4	0.177	1461.2
990.0	-0.85	-0.88	34.92	28.08	-0.2	0.177	1461.8
1040.0	-0.91	-0.95	34.92	28.09	-1.0	0.177	1462.4
1090.0	-0.93	-0.97	34.92	28.09	-1.0	0.176	1463.1
1090.3	-0.93	-0.97	34.92	28.09	-0.9	0.176	1463.1


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
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400
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FRAM 3 97 -1
4-26-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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4000
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FRAM 3 97 -1
4-26-81

FRAM 3 STATION 98(1) CTD 26/APR/1981 1210 GMT CODE = 5
LAT = 81.4933N LNG = 5.5150E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.87	-1.87	34.19	27.52	55.3	0.000	1439.5
4.0	-1.87	-1.87	34.19	27.52	55.2	0.002	1439.5
5.0	-1.87	-1.87	34.19	27.52	55.3	0.003	1439.6
10.0	-1.86	-1.86	34.18	27.52	55.8	0.006	1439.7
15.0	-1.86	-1.86	34.19	27.52	55.9	0.008	1439.8
20.0	-1.86	-1.86	34.19	27.53	54.7	0.011	1439.8
25.0	-1.86	-1.86	34.20	27.53	54.1	0.014	1439.9
30.0	-1.86	-1.86	34.20	27.53	54.4	0.017	1440.0
35.0	-1.86	-1.86	34.19	27.52	55.0	0.019	1440.1
40.0	-1.86	-1.86	34.19	27.52	55.0	0.022	1440.2
45.0	-1.86	-1.86	34.19	27.52	55.1	0.025	1440.3
50.0	-1.86	-1.86	34.19	27.53	54.5	0.028	1440.4
55.0	-1.84	-1.84	34.22	27.54	52.8	0.030	1440.5
60.0	-1.83	-1.83	34.24	27.57	50.8	0.033	1440.7
65.0	-1.83	-1.83	34.25	27.57	50.2	0.036	1440.8
70.0	-1.83	-1.83	34.26	27.58	49.2	0.038	1440.9
75.0	-1.81	-1.81	34.26	27.58	49.6	0.041	1441.1
80.0	-1.75	-1.75	34.26	27.58	49.5	0.043	1441.4
85.0	-1.60	-1.60	34.27	27.59	48.8	0.046	1442.3
90.0	-1.22	-1.22	34.29	27.59	48.8	0.048	1444.1
95.0	-0.75	-0.75	34.33	27.60	47.8	0.051	1446.5
100.0	-0.57	-0.57	34.43	27.67	41.1	0.053	1447.5
110.0	-0.43	-0.44	34.45	27.68	40.1	0.057	1448.4
120.0	0.02	0.02	34.49	27.69	39.1	0.061	1450.7
130.0	0.44	0.44	34.61	27.76	32.4	0.065	1452.9
140.0	0.70	0.69	34.68	27.80	28.7	0.068	1454.3
150.0	0.72	0.71	34.70	27.82	27.1	0.070	1454.6
160.0	0.91	0.90	34.73	27.83	26.1	0.073	1455.7
170.0	0.99	0.98	34.76	27.85	24.2	0.076	1456.3
180.0	1.15	1.14	34.78	27.86	23.8	0.078	1457.2
190.0	1.27	1.26	34.83	27.89	21.2	0.080	1457.9
200.0	1.30	1.29	34.82	27.88	21.7	0.083	1458.2
210.0	1.36	1.35	34.84	27.89	20.9	0.085	1458.7
220.0	1.46	1.45	34.86	27.90	20.5	0.087	1459.3
230.0	1.52	1.51	34.89	27.92	18.5	0.089	1459.8
240.0	1.54	1.53	34.89	27.92	18.6	0.091	1460.1
250.0	1.54	1.53	34.90	27.93	17.7	0.093	1460.3
260.0	1.54	1.53	34.91	27.94	17.0	0.094	1460.4
270.0	1.59	1.57	34.92	27.94	17.1	0.096	1460.8
280.0	1.57	1.55	34.94	27.96	15.4	0.098	1460.9
290.0	1.55	1.54	34.95	27.96	14.8	0.099	1461.0
300.0	1.55	1.53	34.94	27.96	14.8	0.101	1461.2
310.0	1.53	1.52	34.94	27.96	15.1	0.102	1461.2
320.0	1.50	1.48	34.94	27.96	14.7	0.104	1461.3
330.0	1.47	1.45	34.95	27.97	14.2	0.105	1461.3
340.0	1.43	1.41	34.95	27.98	13.6	0.107	1461.3
350.0	1.40	1.38	34.95	27.98	13.4	0.108	1461.3
360.0	1.37	1.35	34.95	27.98	13.3	0.109	1461.4
370.0	1.34	1.32	34.95	27.98	13.3	0.111	1461.4
380.0	1.31	1.29	34.95	27.98	12.8	0.112	1461.5
390.0	1.27	1.25	34.95	27.99	12.5	0.113	1461.4
400.0	1.21	1.19	34.95	27.99	12.2	0.114	1461.3
410.0	1.13	1.11	34.95	27.99	11.7	0.116	1461.1
420.0	1.12	1.09	34.94	27.99	12.3	0.117	1461.2
430.0	1.06	1.04	34.95	28.00	11.5	0.118	1461.2
440.0	1.00	0.98	34.95	28.01	10.4	0.119	1461.1
450.0	0.94	0.92	34.95	28.01	10.0	0.120	1461.0
460.0	0.90	0.88	34.96	28.02	9.3	0.121	1461.0
470.0	0.85	0.83	34.95	28.02	9.4	0.122	1460.9
480.0	0.82	0.79	34.95	28.02	9.3	0.123	1460.9
490.0	0.77	0.74	34.95	28.02	9.1	0.124	1460.8
500.0	0.70	0.68	34.95	28.02	8.9	0.125	1460.7

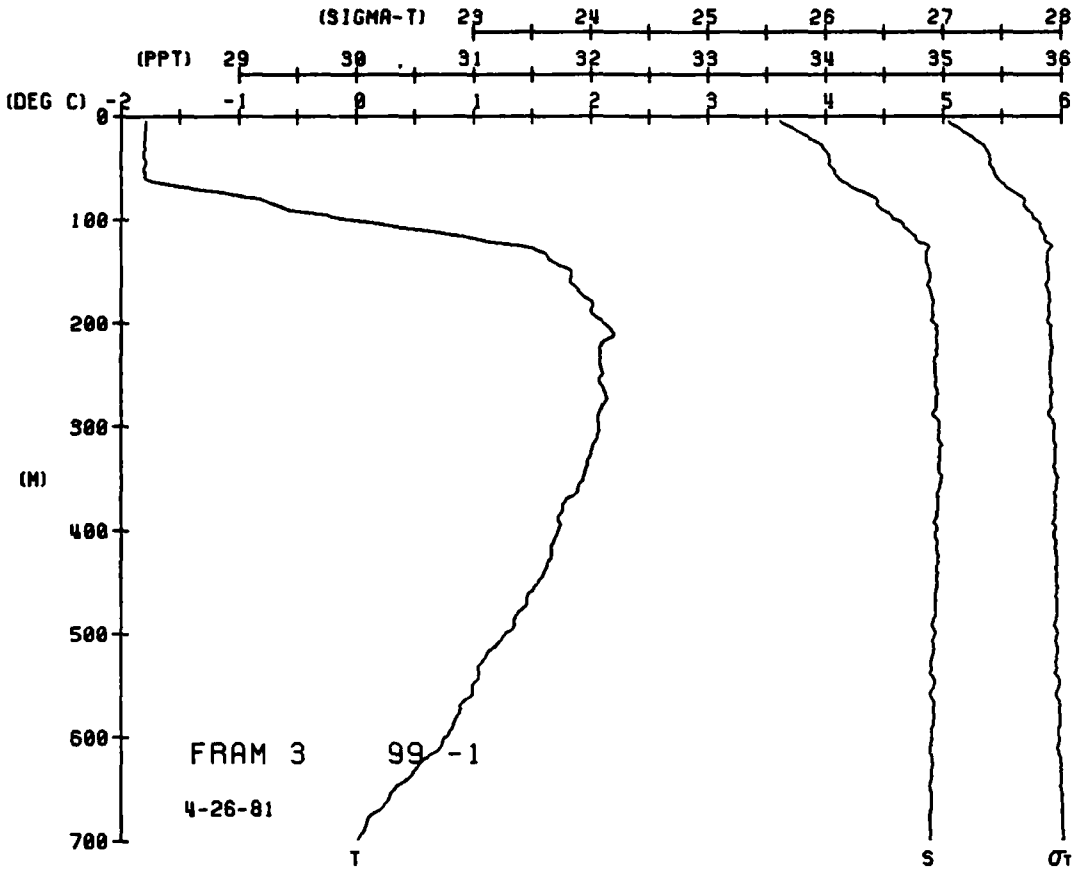


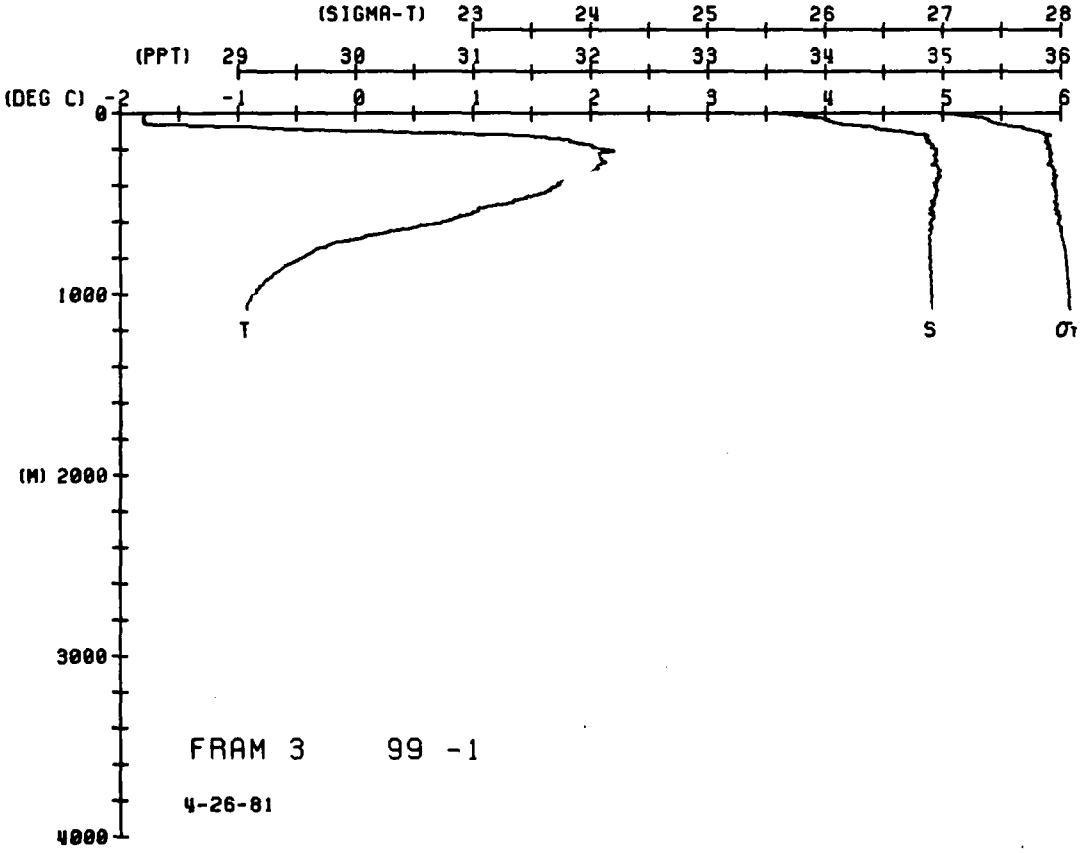
FRAM 3 98 -1

4-26-81

FRAM 3 STATION 99(1) CTD 26/APR/1981 1307 GMT CODE = 5
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AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

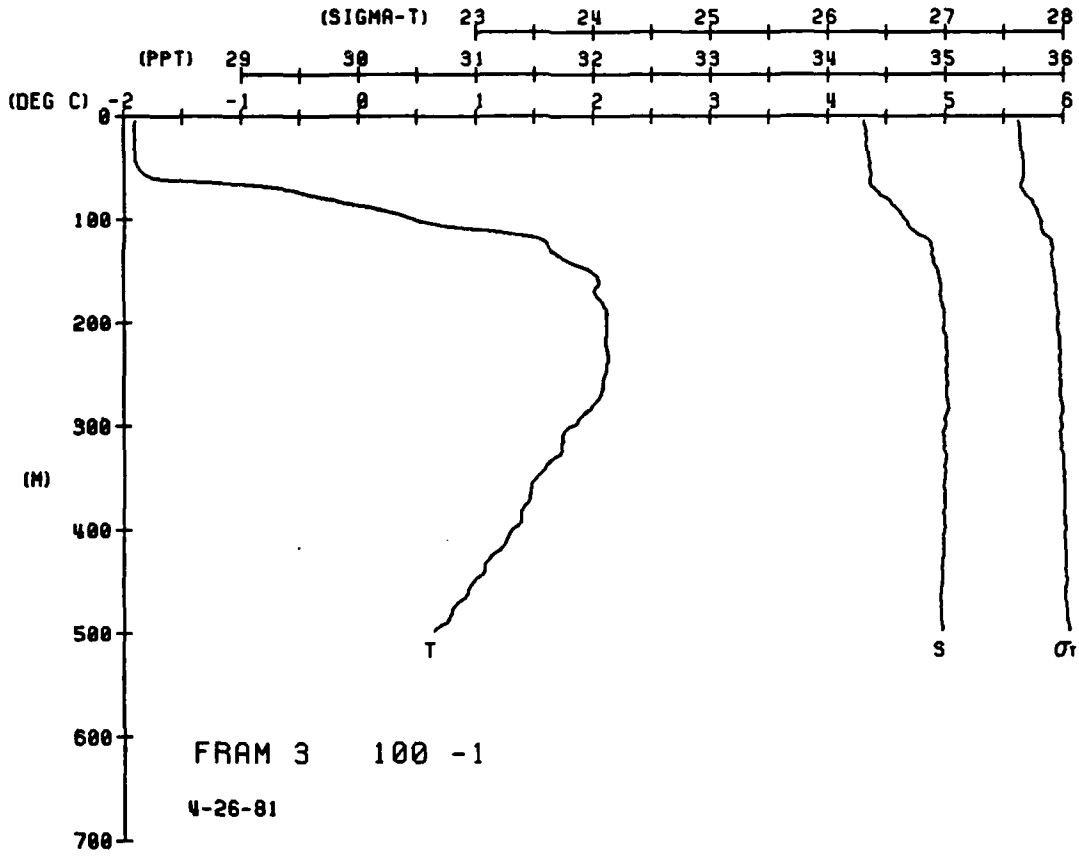
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.60	27.04	101.0	0.000	1439.0
4.0	-1.79	-1.79	33.60	27.04	101.0	0.004	1439.1
5.0	-1.79	-1.79	33.61	27.05	99.7	0.005	1439.1
10.0	-1.79	-1.79	33.69	27.11	93.9	0.010	1439.3
15.0	-1.79	-1.80	33.77	27.18	87.8	0.015	1439.5
20.0	-1.79	-1.80	33.84	27.24	81.9	0.019	1439.6
25.0	-1.80	-1.80	33.92	27.30	75.7	0.023	1439.8
30.0	-1.80	-1.80	33.98	27.35	71.1	0.027	1440.0
35.0	-1.80	-1.80	34.01	27.38	68.9	0.030	1440.1
40.0	-1.79	-1.80	34.03	27.40	67.1	0.034	1440.3
45.0	-1.78	-1.79	34.03	27.39	67.3	0.037	1440.4
50.0	-1.80	-1.80	34.06	27.42	64.8	0.040	1440.4
55.0	-1.79	-1.80	34.08	27.44	63.1	0.044	1440.6
60.0	-1.79	-1.79	34.12	27.46	60.5	0.047	1440.7
65.0	-1.66	-1.66	34.18	27.51	56.4	0.050	1441.5
70.0	-1.39	-1.39	34.25	27.56	51.3	0.052	1443.0
75.0	-1.09	-1.09	34.35	27.63	44.5	0.055	1444.6
80.0	-0.84	-0.84	34.44	27.69	39.1	0.057	1446.0
85.0	-0.70	-0.70	34.44	27.69	39.3	0.059	1446.7
90.0	-0.59	-0.59	34.48	27.72	36.5	0.061	1447.4
95.0	-0.31	-0.31	34.55	27.76	32.9	0.063	1448.8
100.0	-0.06	-0.07	34.61	27.79	29.6	0.064	1450.1
110.0	0.54	0.54	34.71	27.84	25.3	0.067	1453.2
120.0	1.07	1.07	34.78	27.86	23.2	0.069	1455.8
130.0	1.57	1.56	34.86	27.89	20.8	0.072	1458.3
140.0	1.66	1.66	34.86	27.88	21.6	0.074	1458.9
150.0	1.83	1.83	34.88	27.89	21.3	0.076	1459.8
160.0	1.83	1.82	34.87	27.88	21.8	0.078	1460.0
170.0	1.91	1.90	34.90	27.90	20.5	0.080	1460.5
180.0	2.02	2.01	34.92	27.91	19.8	0.082	1461.2
190.0	2.01	2.00	34.91	27.90	20.5	0.084	1461.3
200.0	2.13	2.12	34.93	27.90	20.4	0.086	1462.0
210.0	2.20	2.19	34.94	27.91	19.6	0.088	1462.5
220.0	2.09	2.08	34.94	27.92	18.8	0.090	1462.2
230.0	2.08	2.06	34.94	27.92	18.7	0.092	1462.3
240.0	2.08	2.07	34.93	27.91	19.6	0.094	1462.5
250.0	2.09	2.08	34.93	27.91	20.0	0.096	1462.7
260.0	2.10	2.09	34.94	27.91	19.7	0.098	1462.9
270.0	2.14	2.12	34.95	27.92	19.0	0.100	1463.3
280.0	2.09	2.08	34.94	27.92	19.2	0.102	1463.2
290.0	2.06	2.04	34.92	27.91	20.5	0.104	1463.2
300.0	2.07	2.05	34.97	27.94	17.2	0.106	1463.5
310.0	2.05	2.03	34.96	27.94	17.4	0.108	1463.6
320.0	2.01	1.99	34.98	27.95	16.2	0.109	1463.6
330.0	1.98	1.96	34.97	27.95	16.6	0.111	1463.6
340.0	1.96	1.94	34.96	27.94	17.0	0.113	1463.7
350.0	1.93	1.92	34.98	27.96	15.3	0.114	1463.7
360.0	1.88	1.86	34.97	27.96	16.0	0.116	1463.7
370.0	1.80	1.78	34.96	27.95	16.2	0.118	1463.5
380.0	1.76	1.74	34.95	27.95	16.2	0.119	1463.5
390.0	1.73	1.71	34.93	27.94	17.4	0.121	1463.4
400.0	1.73	1.70	34.95	27.95	16.4	0.123	1463.6
410.0	1.69	1.66	34.95	27.95	16.3	0.124	1463.6
420.0	1.66	1.64	34.95	27.96	16.0	0.126	1463.7
430.0	1.64	1.62	34.95	27.96	15.4	0.128	1463.7
440.0	1.60	1.58	34.95	27.96	15.4	0.129	1463.7
450.0	1.55	1.52	34.95	27.97	15.1	0.131	1463.7
460.0	1.49	1.46	34.94	27.96	15.4	0.132	1463.5
470.0	1.46	1.43	34.94	27.96	15.4	0.134	1463.6
480.0	1.38	1.36	34.93	27.96	15.3	0.135	1463.4
490.0	1.35	1.32	34.91	27.95	16.4	0.137	1463.4
500.0	1.27	1.25	34.94	27.98	14.0	0.138	1463.3
530.0	1.05	1.02	34.89	27.96	15.5	0.143	1462.7
560.0	0.97	0.94	34.90	27.96	14.9	0.148	1462.8
590.0	0.82	0.80	34.91	27.99	12.5	0.152	1462.7
620.0	0.59	0.56	34.91	28.00	11.3	0.155	1462.2
650.0	0.33	0.30	34.89	28.00	10.3	0.159	1461.5
680.0	0.10	0.07	34.89	28.01	9.3	0.162	1460.9
710.0	-0.14	-0.17	34.89	28.03	7.2	0.164	1460.3
740.0	-0.25	-0.28	34.89	28.03	6.4	0.166	1460.3
790.0	-0.42	-0.45	34.89	28.04	5.1	0.169	1460.4
840.0	-0.59	-0.62	34.90	28.05	3.8	0.171	1460.4
890.0	-0.69	-0.73	34.90	28.06	2.7	0.173	1460.8
940.0	-0.79	-0.83	34.89	28.06	2.4	0.174	1461.2
990.0	-0.85	-0.88	34.90	28.07	1.1	0.175	1461.8
1040.0	-0.90	-0.94	34.91	28.07	0.3	0.176	1462.4
1089.3	-0.92	-0.96	34.92	28.08	-0.6	0.175	1463.1


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 99 -1
4-26-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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FRAM 3 99 -1
4-26-81

FRAM 3 STATION 100(1) CTD 26/APR/1981 1320 GMT CODE = 5
LAT = 81.3517N LNG = 5.5883E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.89	-1.89	34.31	27.63	45.5	0.000	1439.5
4.0	-1.89	-1.90	34.31	27.63	45.5	0.002	1439.6
5.0	-1.90	-1.90	34.32	27.63	45.4	0.002	1439.6
10.0	-1.90	-1.90	34.32	27.63	44.7	0.005	1439.7
15.0	-1.90	-1.90	34.33	27.64	43.9	0.007	1439.8
20.0	-1.90	-1.90	34.33	27.64	43.9	0.009	1439.8
25.0	-1.90	-1.90	34.33	27.64	43.9	0.011	1439.9
30.0	-1.90	-1.91	34.33	27.64	43.7	0.013	1440.0
35.0	-1.90	-1.91	34.35	27.65	42.8	0.016	1440.1
40.0	-1.90	-1.91	34.35	27.65	42.5	0.018	1440.2
45.0	-1.89	-1.90	34.36	27.66	41.9	0.020	1440.3
50.0	-1.87	-1.87	34.36	27.66	42.0	0.022	1440.5
55.0	-1.84	-1.84	34.36	27.67	41.4	0.024	1440.7
60.0	-1.75	-1.75	34.36	27.66	42.0	0.026	1441.3
65.0	-1.21	-1.21	34.36	27.64	43.6	0.028	1443.9
70.0	-0.66	-0.66	34.40	27.65	43.0	0.031	1446.6
75.0	-0.47	-0.47	34.43	27.67	41.0	0.033	1447.6
80.0	-0.26	-0.27	34.50	27.72	36.6	0.035	1448.7
85.0	-0.09	-0.09	34.54	27.74	34.4	0.036	1449.7
90.0	0.17	0.17	34.60	27.78	31.3	0.038	1451.0
95.0	0.33	0.32	34.63	27.79	30.4	0.040	1451.8
100.0	0.48	0.47	34.66	27.81	28.2	0.041	1452.7
110.0	1.02	1.01	34.72	27.82	27.5	0.044	1455.3
120.0	1.56	1.56	34.86	27.89	20.6	0.046	1458.1
130.0	1.64	1.63	34.88	27.91	19.4	0.048	1458.7
140.0	1.78	1.77	34.90	27.91	19.1	0.050	1459.5
150.0	1.99	1.98	34.94	27.92	18.0	0.052	1460.6
160.0	2.05	2.05	34.96	27.94	16.8	0.054	1461.1
170.0	2.01	2.01	34.96	27.94	16.8	0.056	1461.1
180.0	2.08	2.07	34.97	27.94	16.8	0.057	1461.5
190.0	2.12	2.11	34.99	27.95	15.5	0.059	1461.9
200.0	2.11	2.10	34.99	27.95	15.6	0.061	1462.0
210.0	2.11	2.10	34.99	27.96	15.2	0.062	1462.2
220.0	2.11	2.09	35.00	27.96	14.6	0.064	1462.4
230.0	2.13	2.11	35.01	27.97	13.9	0.065	1462.6
240.0	2.12	2.10	35.01	27.97	14.0	0.067	1462.8
250.0	2.10	2.09	35.01	27.97	14.3	0.068	1462.8
260.0	2.09	2.07	35.02	27.98	13.5	0.069	1463.0
270.0	2.06	2.05	35.01	27.97	13.9	0.071	1463.0
280.0	1.99	1.98	35.03	28.00	11.9	0.072	1462.9
290.0	1.90	1.88	35.00	27.98	13.2	0.073	1462.6
300.0	1.82	1.80	35.00	27.99	12.6	0.075	1462.4
310.0	1.74	1.72	34.98	27.98	13.4	0.076	1462.2
320.0	1.73	1.72	34.99	27.98	13.1	0.077	1462.4
330.0	1.67	1.65	35.00	28.00	11.7	0.079	1462.3
340.0	1.59	1.57	34.99	28.00	11.7	0.080	1462.1
350.0	1.50	1.49	34.99	28.00	11.5	0.081	1461.9
360.0	1.46	1.45	34.98	28.00	11.5	0.082	1461.8
370.0	1.45	1.43	34.99	28.00	11.3	0.083	1461.9
380.0	1.39	1.37	34.99	28.01	10.9	0.084	1461.9
390.0	1.38	1.36	34.99	28.01	10.5	0.085	1462.0
400.0	1.31	1.29	34.99	28.02	10.0	0.087	1461.8
410.0	1.26	1.24	34.98	28.01	10.4	0.088	1461.8
420.0	1.20	1.17	34.98	28.02	9.7	0.089	1461.6
430.0	1.09	1.07	34.97	28.02	9.6	0.090	1461.3
440.0	1.07	1.05	34.97	28.02	9.7	0.091	1461.4
450.0	0.98	0.96	34.97	28.03	8.8	0.091	1461.2
460.0	0.93	0.91	34.96	28.02	9.3	0.092	1461.1
470.0	0.86	0.83	34.96	28.02	8.8	0.093	1460.9
480.0	0.79	0.77	34.95	28.02	8.8	0.094	1460.8
490.0	0.74	0.71	34.96	28.03	7.8	0.095	1460.7
498.0	0.63	0.60	34.96	28.04	7.4	0.096	1460.3

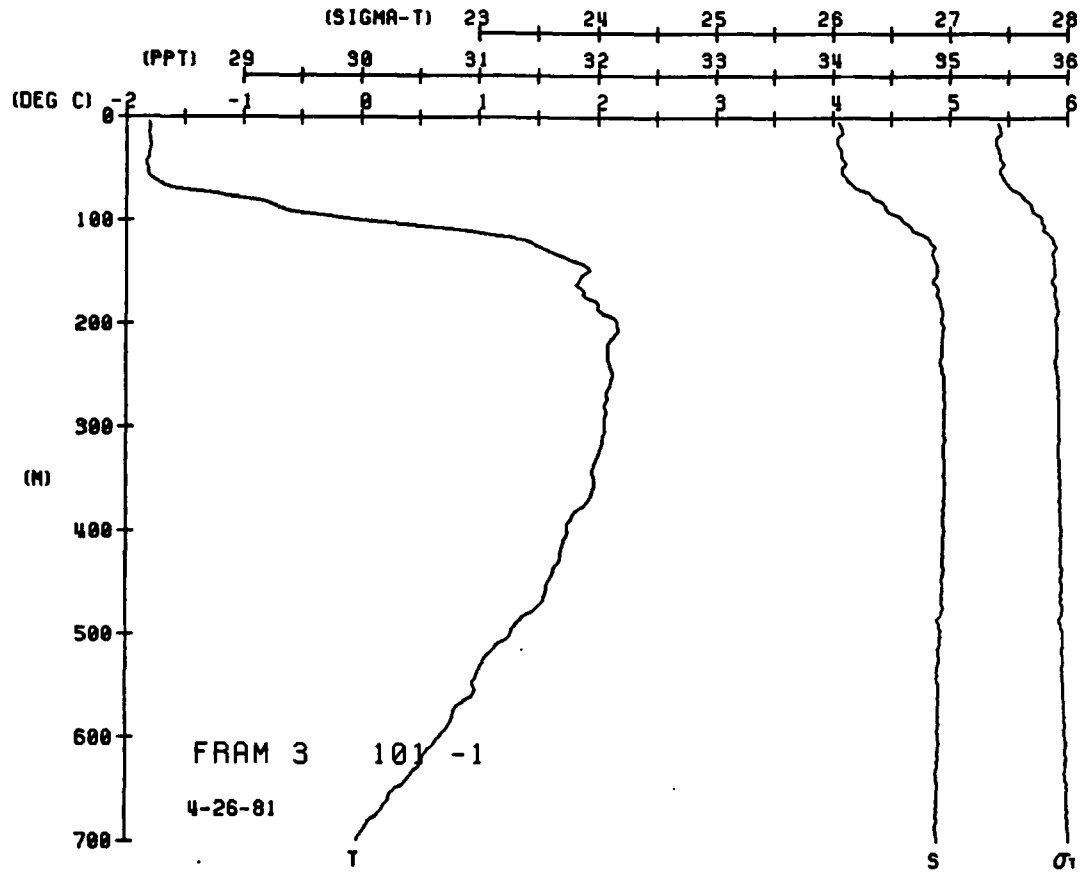


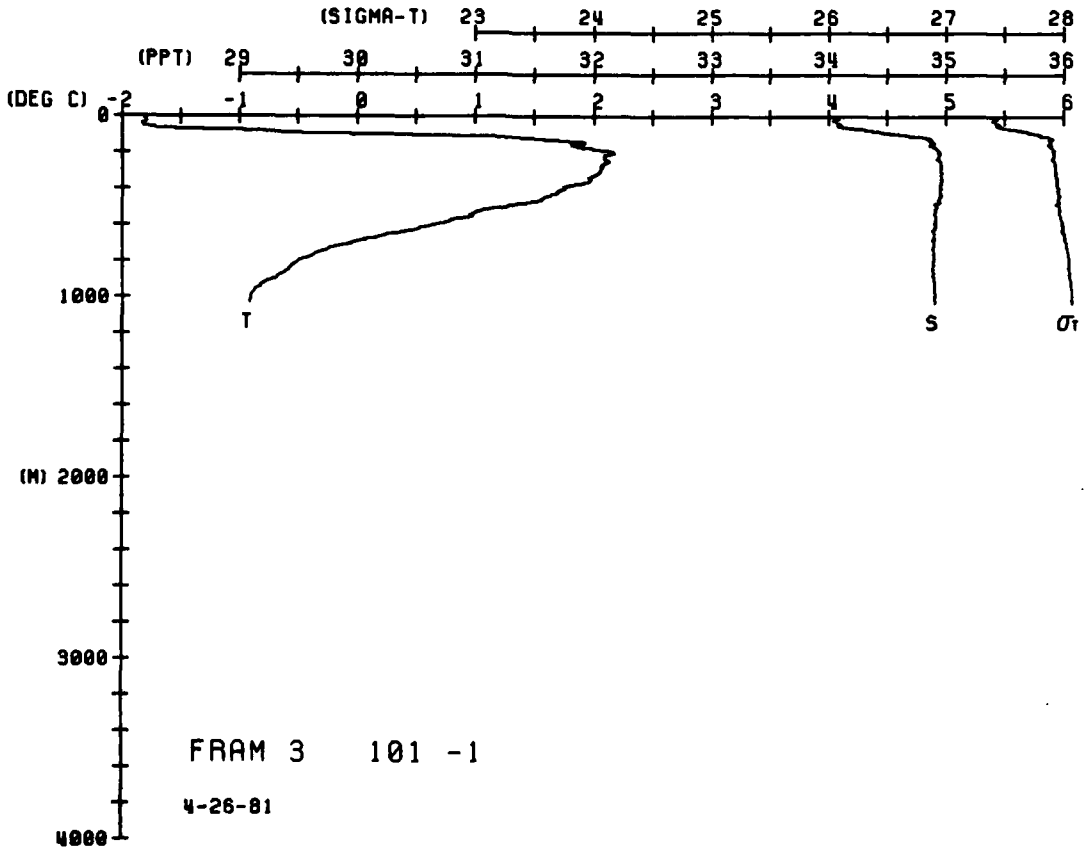
FRAM 3 100 -1

4-26-81

FRAM 3 STATION 101(1) CTD 26/APR/1981 1419 GMT CODE = 5
LAT = 81.9945N LNG = 5.5827E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

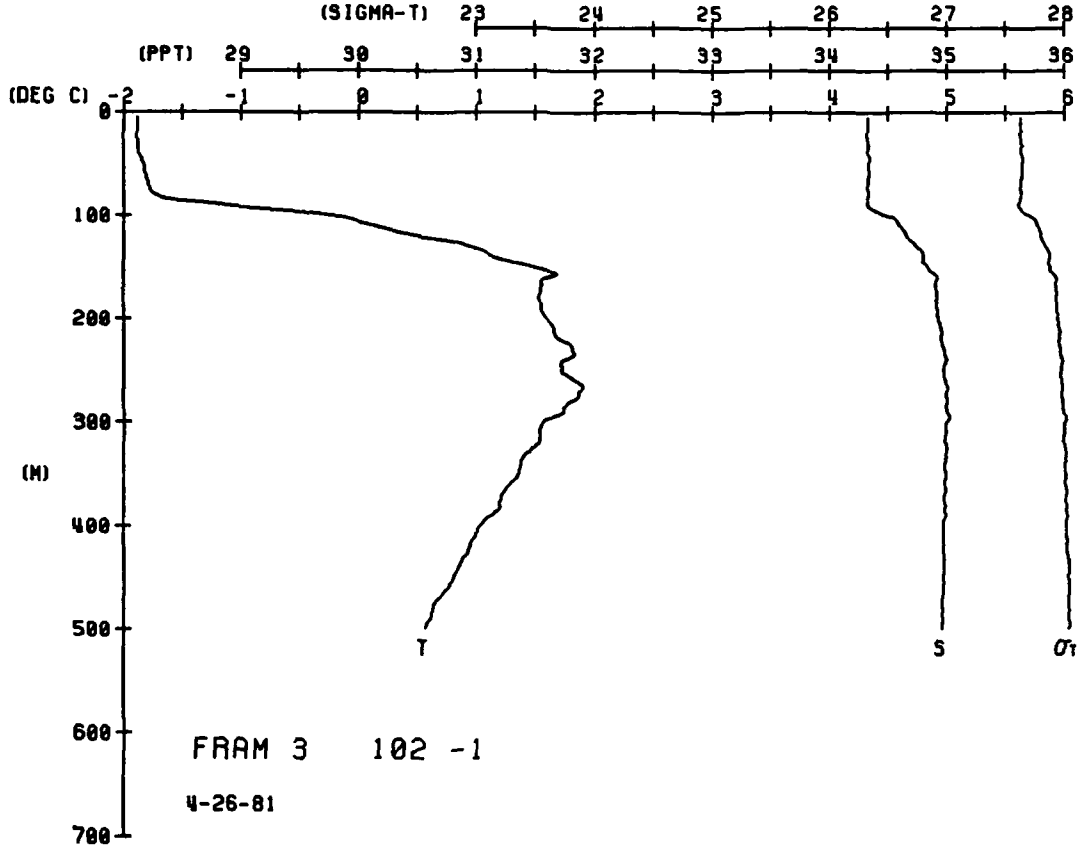
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	34.05	27.41	66.2	0.000	1439.6
4.0	-1.80	-1.81	34.05	27.41	66.2	0.003	1439.6
5.0	-1.80	-1.80	34.05	27.41	65.8	0.003	1439.7
10.0	-1.79	-1.80	34.08	27.43	64.0	0.007	1439.8
15.0	-1.80	-1.80	34.09	27.44	63.0	0.010	1439.9
20.0	-1.79	-1.80	34.05	27.40	66.3	0.013	1439.9
25.0	-1.79	-1.79	34.04	27.40	66.7	0.016	1440.0
30.0	-1.79	-1.80	34.07	27.42	64.6	0.020	1440.1
35.0	-1.80	-1.80	34.07	27.43	64.1	0.023	1440.2
40.0	-1.81	-1.81	34.09	27.44	63.0	0.026	1440.3
45.0	-1.83	-1.83	34.11	27.46	61.2	0.029	1440.3
50.0	-1.81	-1.81	34.08	27.43	63.6	0.033	1440.4
55.0	-1.81	-1.81	34.09	27.44	62.3	0.036	1440.5
60.0	-1.77	-1.77	34.13	27.47	59.8	0.039	1440.9
65.0	-1.69	-1.69	34.17	27.50	56.7	0.042	1441.4
70.0	-1.51	-1.51	34.24	27.55	52.1	0.045	1442.4
75.0	-1.19	-1.19	34.33	27.62	45.8	0.047	1444.1
80.0	-0.92	-0.92	34.39	27.66	42.2	0.049	1445.5
85.0	-0.74	-0.74	34.45	27.70	38.1	0.051	1446.5
90.0	-0.62	-0.62	34.47	27.71	37.2	0.053	1447.2
95.0	-0.34	-0.34	34.56	27.77	31.6	0.055	1448.7
100.0	0.02	0.02	34.61	27.79	30.0	0.056	1450.5
110.0	0.89	0.88	34.70	27.81	28.1	0.059	1454.7
120.0	1.43	1.42	34.84	27.89	21.3	0.062	1457.5
130.0	1.61	1.61	34.86	27.89	21.4	0.064	1458.5
140.0	1.83	1.82	34.89	27.89	20.7	0.066	1459.7
150.0	1.90	1.90	34.90	27.90	20.5	0.068	1460.2
160.0	1.83	1.82	34.87	27.88	21.8	0.070	1460.0
170.0	1.88	1.87	34.89	27.89	20.9	0.073	1460.4
180.0	2.00	1.99	34.92	27.91	19.4	0.075	1461.1
190.0	2.06	2.05	34.94	27.92	18.9	0.077	1461.6
200.0	2.16	2.15	34.95	27.92	19.0	0.078	1462.2
210.0	2.15	2.14	34.95	27.92	19.0	0.080	1462.3
220.0	2.09	2.08	34.94	27.92	19.1	0.082	1462.2
230.0	2.09	2.08	34.94	27.92	19.0	0.084	1462.4
240.0	2.10	2.09	34.94	27.92	19.2	0.086	1462.6
250.0	2.13	2.11	34.96	27.93	18.3	0.088	1462.9
260.0	2.10	2.09	34.96	2 .93	18.3	0.090	1462.9
270.0	2.08	2.06	34.96	27.93	18.2	0.092	1463.0
280.0	2.06	2.05	34.96	27.93	17.7	0.094	1463.1
290.0	2.06	2.04	34.96	27.93	17.8	0.095	1463.3
300.0	2.06	2.04	34.96	27.93	17.8	0.097	1463.4
310.0	2.05	2.03	34.97	27.94	17.0	0.099	1463.5
320.0	2.03	2.01	34.96	27.93	18.0	0.101	1463.6
330.0	1.99	1.97	34.96	27.94	17.2	0.102	1463.6
340.0	1.97	1.95	34.96	27.94	17.3	0.104	1463.7
350.0	1.98	1.96	34.97	27.95	16.9	0.106	1463.9
360.0	1.96	1.94	34.97	27.95	16.8	0.108	1464.0
370.0	1.92	1.90	34.96	27.95	17.0	0.109	1464.0
380.0	1.83	1.80	34.96	27.95	16.6	0.111	1463.7
390.0	1.76	1.74	34.95	27.95	16.6	0.113	1463.6
400.0	1.75	1.73	34.96	27.96	15.9	0.114	1463.8
410.0	1.72	1.69	34.95	27.95	16.2	0.116	1463.7
420.0	1.69	1.67	34.95	27.96	15.9	0.118	1463.8
430.0	1.67	1.65	34.95	27.96	16.0	0.119	1463.9
440.0	1.63	1.61	34.95	27.96	15.3	0.121	1463.9
450.0	1.59	1.56	34.95	27.96	15.5	0.122	1463.8
460.0	1.57	1.54	34.94	27.96	15.8	0.124	1463.9
470.0	1.52	1.49	34.95	27.97	15.1	0.126	1463.9
480.0	1.41	1.39	34.93	27.96	15.3	0.127	1463.5
490.0	1.32	1.29	34.92	27.96	15.6	0.129	1463.2
500.0	1.27	1.24	34.93	27.97	14.4	0.130	1463.2
530.0	1.02	1.00	34.90	27.97	14.5	0.135	1462.6
560.0	0.95	0.92	34.91	27.98	13.4	0.139	1462.8
590.0	0.74	0.71	34.91	27.99	12.2	0.143	1462.3
620.0	0.52	0.50	34.91	28.00	10.7	0.146	1461.9
650.0	0.28	0.25	34.90	28.01	9.3	0.149	1461.2
680.0	0.07	0.04	34.90	28.02	8.2	0.152	1460.8
710.0	-0.10	-0.13	34.90	28.03	7.0	0.154	1460.5
740.0	-0.26	-0.29	34.89	28.03	6.3	0.156	1460.3
790.0	-0.46	-0.49	34.90	28.05	4.4	0.159	1460.2
840.0	-0.57	-0.61	34.90	28.05	3.8	0.161	1460.5
890.0	-0.68	-0.71	34.90	28.06	2.6	0.163	1460.9
940.0	-0.81	-0.85	34.90	28.06	1.7	0.164	1461.1
990.0	-0.90	-0.94	34.91	28.07	0.4	0.164	1461.6
1033.2	-0.91	-0.95	34.91	28.07	0.4	0.164	1462.2


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 101 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
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FRAM 3 101 -1
4-26-81

FRAM 3 STATION 102(1) CTD 26/APR/1981 1431 GMT CODE = 5
LAT = 80.8533N LNG = 5.5950E LTER = 300 LGER = 300
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.88	-1.88	34.33	27.63	44.7	0.000	1439.6
4.0	-1.88	-1.88	34.33	27.63	44.7	0.002	1439.7
5.0	-1.88	-1.88	34.33	27.63	44.6	0.002	1439.7
10.0	-1.88	-1.88	34.33	27.63	44.6	0.005	1439.8
15.0	-1.88	-1.88	34.33	27.64	44.3	0.007	1439.9
20.0	-1.88	-1.88	34.33	27.64	44.4	0.009	1439.9
25.0	-1.88	-1.88	34.33	27.64	44.4	0.011	1440.0
30.0	-1.88	-1.88	34.33	27.64	43.9	0.013	1440.1
35.0	-1.87	-1.87	34.33	27.64	43.7	0.016	1440.2
40.0	-1.87	-1.87	34.34	27.65	43.3	0.018	1440.3
45.0	-1.84	-1.84	34.35	27.66	42.2	0.020	1440.6
50.0	-1.83	-1.83	34.34	27.64	43.4	0.022	1440.7
55.0	-1.82	-1.82	34.34	27.65	43.3	0.024	1440.8
60.0	-1.81	-1.81	34.34	27.65	43.2	0.027	1440.9
65.0	-1.79	-1.80	34.34	27.64	43.6	0.029	1441.1
70.0	-1.78	-1.79	34.33	27.64	43.9	0.031	1441.2
75.0	-1.77	-1.77	34.33	27.64	43.8	0.033	1441.4
80.0	-1.73	-1.73	34.33	27.64	43.8	0.035	1441.7
85.0	-1.57	-1.58	34.33	27.63	44.6	0.038	1442.5
90.0	-1.15	-1.15	34.33	27.62	45.7	0.040	1444.6
95.0	-0.69	-0.69	34.39	27.65	43.2	0.042	1446.9
100.0	-0.21	-0.22	34.51	27.72	36.4	0.044	1449.3
110.0	0.13	0.12	34.61	27.78	30.4	0.048	1451.2
120.0	0.53	0.52	34.66	27.80	28.6	0.051	1453.2
130.0	0.97	0.96	34.75	27.85	24.7	0.053	1455.5
140.0	1.14	1.14	34.80	27.88	22.1	0.056	1456.5
150.0	1.50	1.49	34.85	27.89	21.1	0.058	1458.3
160.0	1.61	1.60	34.93	27.94	16.0	0.060	1459.1
170.0	1.55	1.54	34.92	27.94	16.1	0.061	1459.0
180.0	1.54	1.53	34.92	27.94	16.0	0.063	1459.1
190.0	1.56	1.55	34.92	27.94	16.1	0.065	1459.3
200.0	1.61	1.60	34.93	27.95	15.7	0.066	1459.8
210.0	1.66	1.65	34.96	27.97	14.2	0.068	1460.2
220.0	1.73	1.72	34.96	27.96	14.7	0.069	1460.7
230.0	1.82	1.81	34.98	27.97	13.7	0.071	1461.2
240.0	1.74	1.73	35.00	27.99	11.8	0.072	1461.1
250.0	1.73	1.72	34.98	27.98	13.3	0.073	1461.2
260.0	1.85	1.84	35.00	27.98	13.1	0.074	1461.9
270.0	1.88	1.86	35.01	27.99	12.6	0.076	1462.2
280.0	1.79	1.78	35.01	28.00	11.5	0.077	1462.0
290.0	1.73	1.72	35.01	28.00	11.2	0.078	1461.9
300.0	1.57	1.55	35.00	28.00	10.9	0.079	1461.3
310.0	1.53	1.52	34.99	28.00	11.1	0.080	1461.3
320.0	1.53	1.51	35.00	28.01	10.6	0.081	1461.5
330.0	1.43	1.41	35.00	28.02	9.9	0.083	1461.2
340.0	1.38	1.36	34.99	28.01	10.2	0.084	1461.1
350.0	1.36	1.34	35.00	28.02	9.7	0.085	1461.2
360.0	1.28	1.26	34.99	28.02	9.6	0.086	1461.0
370.0	1.22	1.20	34.99	28.02	9.4	0.086	1460.9
380.0	1.20	1.18	34.99	28.03	8.9	0.087	1461.0
390.0	1.13	1.11	34.99	28.03	8.3	0.088	1460.8
400.0	1.04	1.02	34.98	28.03	8.6	0.089	1460.6
410.0	1.00	0.98	34.98	28.03	8.3	0.090	1460.6
420.0	0.94	0.92	34.97	28.03	8.6	0.091	1460.5
430.0	0.89	0.87	34.98	28.04	7.5	0.092	1460.5
440.0	0.85	0.83	34.98	28.04	7.4	0.092	1460.4
450.0	0.80	0.78	34.97	28.04	7.5	0.093	1460.4
460.0	0.75	0.73	34.97	28.04	7.3	0.094	1460.3
470.0	0.68	0.66	34.97	28.04	7.1	0.095	1460.1
480.0	0.63	0.61	34.97	28.05	6.5	0.095	1460.1
490.0	0.61	0.58	34.97	28.05	6.3	0.096	1460.1
499.0	0.56	0.54	34.96	28.04	6.7	0.097	1460.1

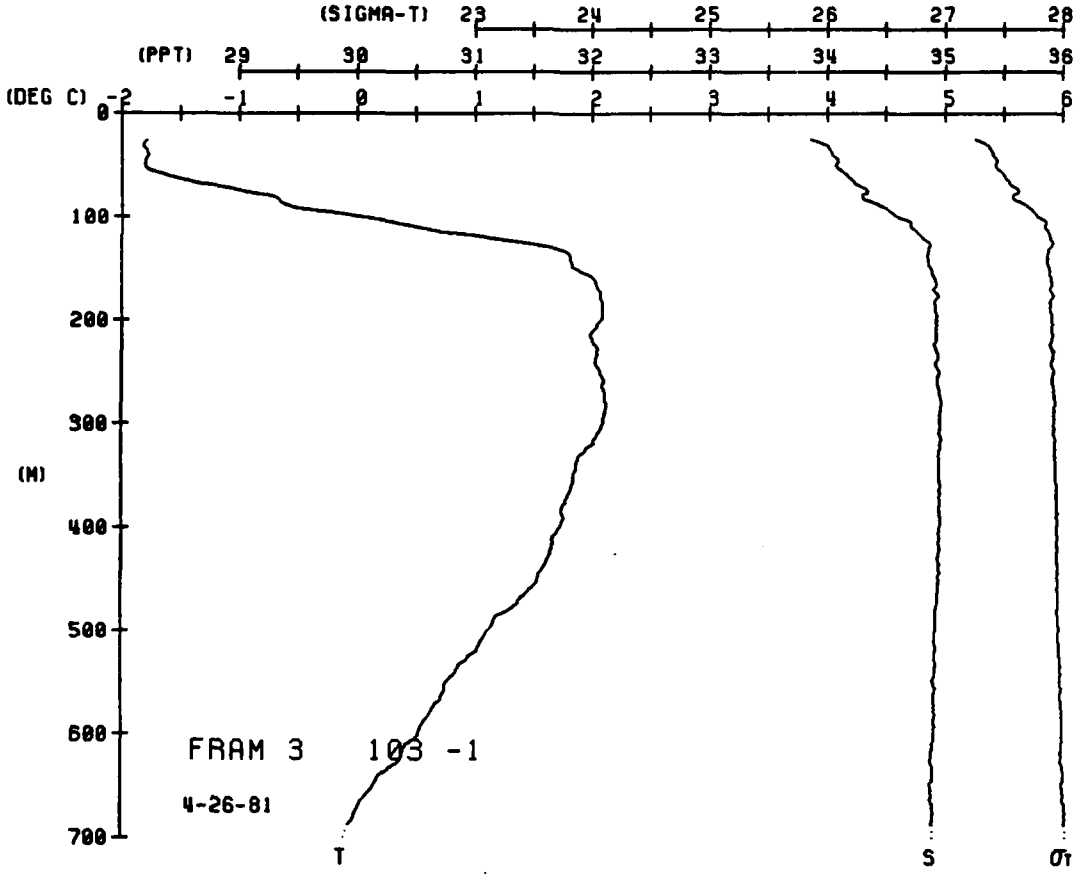


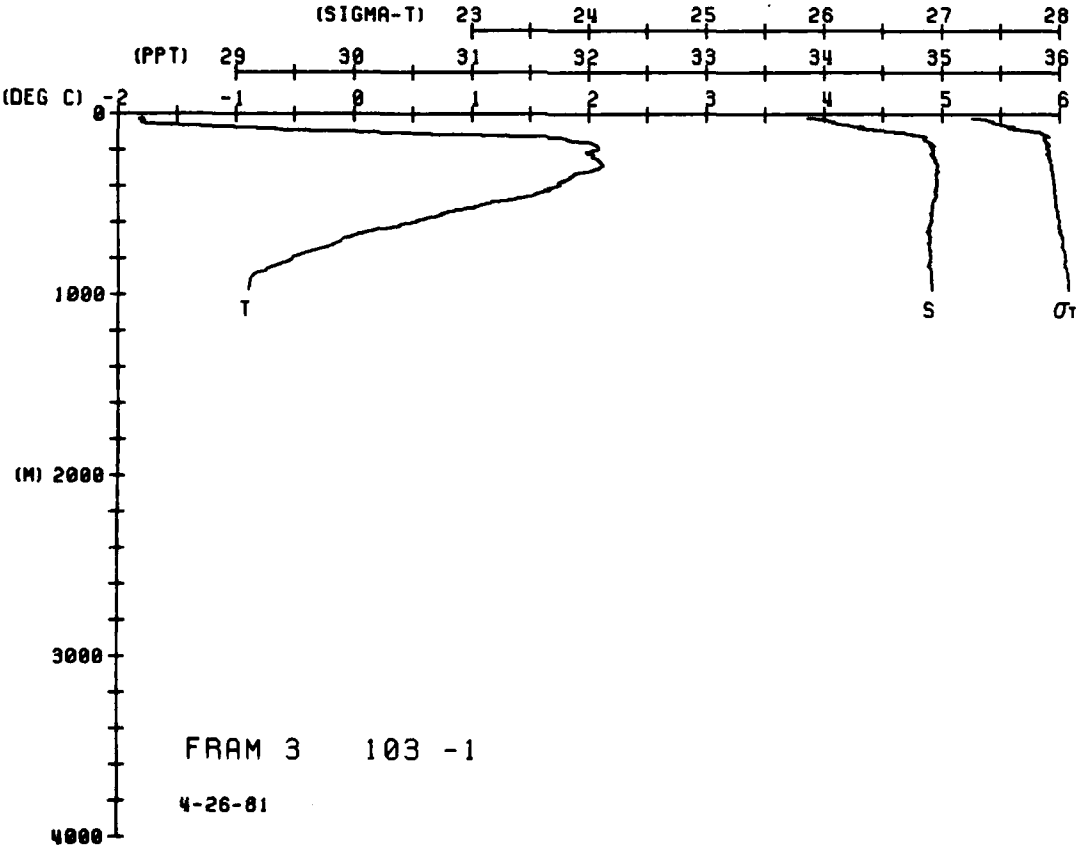
FRAM 3 102 -1

4-26-81

FRAM 3 STATION 103(1) CTD 26/APR/1981 2042 GMT CODE = 5
LAT = 81.9693N LNG = 5.5552E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

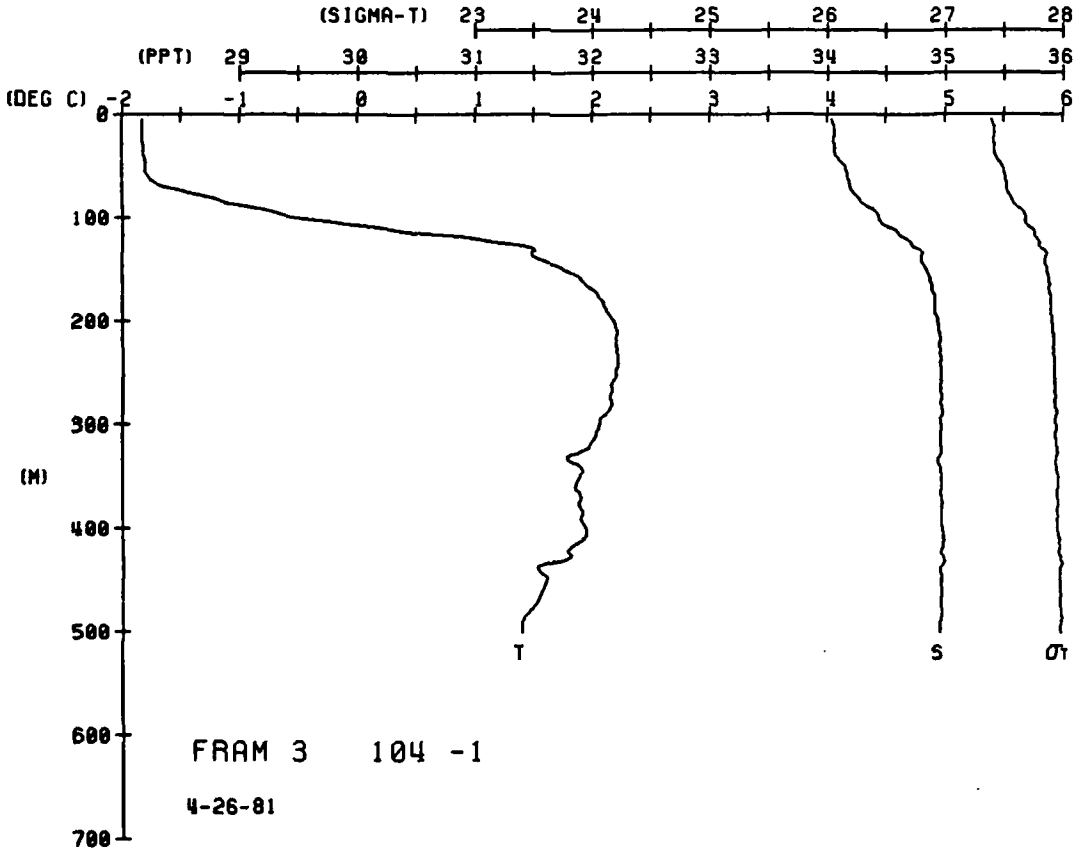
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.86	27.26	80.4	0.000	1439.4
5.0	-1.79	-1.79	33.86	27.26	80.4	0.004	1439.5
10.0	-1.79	-1.79	33.86	27.26	80.3	0.008	1439.5
15.0	-1.79	-1.79	33.86	27.26	80.3	0.012	1439.6
20.0	-1.79	-1.79	33.86	27.26	80.3	0.016	1439.7
25.0	-1.79	-1.79	33.86	27.26	80.2	0.020	1439.8
25.7	-1.79	-1.79	33.86	27.26	80.4	0.021	1439.8
30.0	-1.82	-1.82	33.99	27.36	70.7	0.024	1439.9
35.0	-1.79	-1.79	34.03	27.39	67.7	0.028	1440.2
40.0	-1.77	-1.78	34.05	27.40	66.1	0.031	1440.4
45.0	-1.80	-1.80	34.09	27.44	62.8	0.034	1440.4
50.0	-1.80	-1.80	34.08	27.43	63.8	0.037	1440.4
55.0	-1.76	-1.76	34.12	27.46	60.4	0.041	1440.8
60.0	-1.62	-1.62	34.17	27.50	56.8	0.044	1441.6
65.0	-1.46	-1.46	34.22	27.53	53.8	0.046	1442.5
70.0	-1.20	-1.20	34.27	27.57	50.5	0.049	1443.9
75.0	-0.97	-0.97	34.35	27.62	45.4	0.051	1445.1
80.0	-0.73	-0.73	34.29	27.57	50.6	0.054	1446.3
85.0	-0.65	-0.65	34.36	27.62	45.4	0.056	1446.8
90.0	-0.57	-0.57	34.46	27.70	38.4	0.058	1447.4
95.0	-0.30	-0.30	34.54	27.75	33.7	0.060	1448.9
100.0	0.03	0.03	34.60	27.78	30.4	0.062	1450.5
110.0	0.50	0.50	34.71	27.85	24.6	0.065	1453.0
120.0	1.11	1.10	34.82	27.89	20.6	0.067	1456.1
130.0	1.67	1.67	34.86	27.89	21.3	0.069	1458.8
140.0	1.81	1.81	34.86	27.88	22.4	0.071	1459.6
150.0	1.86	1.86	34.88	27.89	21.2	0.073	1460.0
160.0	2.02	2.01	34.92	27.90	20.0	0.076	1460.9
170.0	2.06	2.05	34.91	27.89	21.2	0.078	1461.2
180.0	2.08	2.07	34.92	27.90	20.6	0.080	1461.5
190.0	2.09	2.08	34.92	27.90	20.7	0.082	1461.7
200.0	2.07	2.06	34.93	27.91	19.5	0.084	1461.8
210.0	2.01	2.00	34.92	27.91	19.6	0.086	1461.7
220.0	2.01	2.00	34.92	27.91	20.0	0.088	1461.8
230.0	2.05	2.03	34.94	27.92	19.1	0.090	1462.2
240.0	2.04	2.02	34.93	27.91	19.7	0.092	1462.3
250.0	2.07	2.06	34.95	27.93	18.2	0.094	1462.7
260.0	2.10	2.09	34.94	27.91	19.5	0.096	1462.9
270.0	2.11	2.10	34.96	27.93	17.9	0.098	1463.2
280.0	2.12	2.11	34.97	27.94	17.2	0.099	1463.4
290.0	2.12	2.10	34.97	27.93	17.8	0.101	1463.5
300.0	2.10	2.08	34.97	27.94	17.5	0.103	1463.6
310.0	2.05	2.03	34.96	27.93	17.8	0.105	1463.6
320.0	2.00	1.98	34.97	27.94	16.9	0.106	1463.5
330.0	1.91	1.89	34.95	27.94	17.3	0.108	1463.3
340.0	1.87	1.85	34.96	27.95	16.7	0.110	1463.3
350.0	1.84	1.83	34.96	27.95	16.6	0.112	1463.3
360.0	1.84	1.82	34.96	27.95	16.1	0.113	1463.4
370.0	1.80	1.78	34.96	27.95	16.0	0.115	1463.4
380.0	1.75	1.73	34.96	27.96	15.7	0.116	1463.4
390.0	1.76	1.74	34.96	27.96	15.5	0.118	1463.6
400.0	1.73	1.70	34.96	27.96	15.7	0.120	1463.6
410.0	1.67	1.64	34.96	27.96	15.2	0.121	1463.5
420.0	1.66	1.63	34.96	27.97	15.0	0.123	1463.6
430.0	1.62	1.60	34.94	27.95	16.3	0.124	1463.6
440.0	1.58	1.56	34.95	27.97	15.1	0.126	1463.6
450.0	1.54	1.52	34.95	27.97	14.7	0.127	1463.6
460.0	1.48	1.45	34.95	27.97	14.8	0.129	1463.5
470.0	1.39	1.36	34.94	27.97	14.2	0.130	1463.3
480.0	1.31	1.28	34.93	27.97	14.8	0.132	1463.1
490.0	1.17	1.14	34.93	27.97	13.9	0.133	1462.6
500.0	1.11	1.08	34.93	27.98	13.4	0.135	1462.5
530.0	0.91	0.88	34.92	27.99	12.3	0.139	1462.1
560.0	0.74	0.71	34.91	27.99	11.9	0.142	1461.8
590.0	0.55	0.53	34.92	28.01	10.3	0.146	1461.5
620.0	0.39	0.36	34.89	28.00	10.7	0.149	1461.2
650.0	0.14	0.12	34.88	28.00	9.8	0.152	1460.6
680.0	-0.02	-0.05	34.90	28.03	7.2	0.154	1460.4
710.0	-0.13	-0.15	34.89	28.03	7.2	0.157	1460.4
740.0	-0.25	-0.28	34.90	28.03	6.1	0.159	1460.3
790.0	-0.49	-0.52	34.90	28.05	4.0	0.161	1460.1
840.0	-0.66	-0.70	34.89	28.05	3.4	0.163	1460.1
890.0	-0.84	-0.88	34.91	28.08	0.7	0.164	1460.1
940.0	-0.88	-0.92	34.92	28.08	-0.1	0.164	1460.8
973.2	-0.88	-0.92	34.92	28.08	-0.3	0.164	1461.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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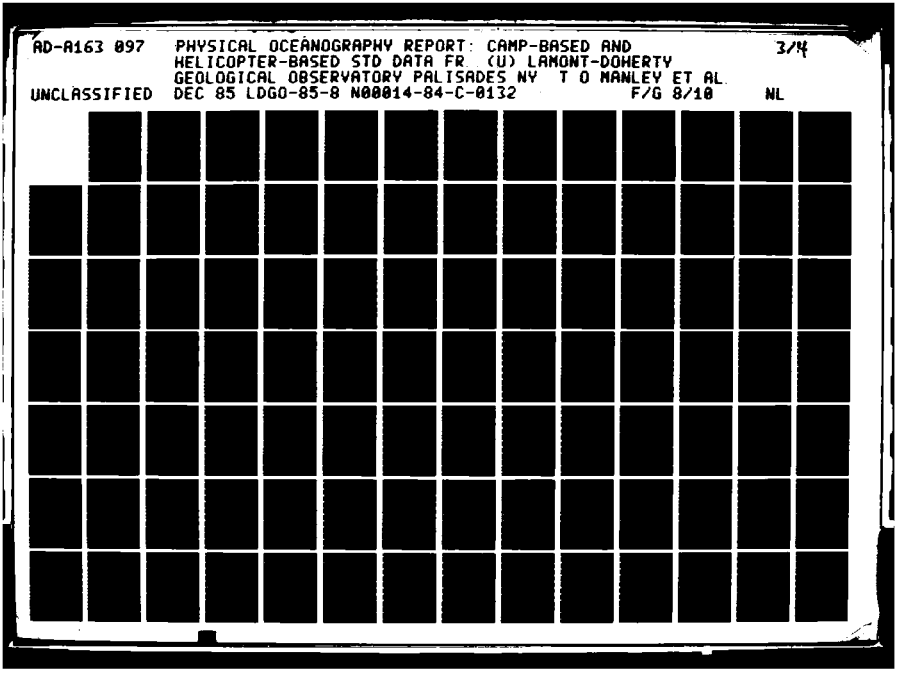
FRAM 3 STATION 104(1) CTD 26/APR/1981 2100 GMT CODE = 5
LAT = 81.9867N LNG = 3.5533E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

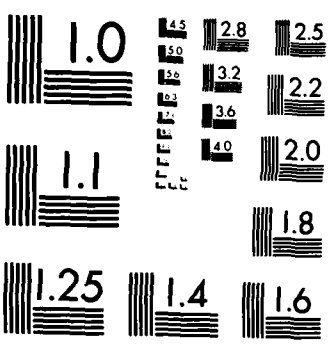
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	34.03	27.40	67.3	0.000	1439.5
4.0	-1.82	-1.82	34.03	27.40	67.3	0.003	1439.5
5.0	-1.83	-1.83	34.04	27.40	66.8	0.003	1439.5
10.0	-1.83	-1.83	34.06	27.42	65.1	0.007	1439.6
15.0	-1.83	-1.83	34.07	27.42	64.7	0.010	1439.7
20.0	-1.83	-1.83	34.06	27.42	64.9	0.013	1439.8
25.0	-1.83	-1.83	34.06	27.42	65.1	0.017	1439.9
30.0	-1.82	-1.82	34.07	27.42	64.6	0.020	1440.0
35.0	-1.82	-1.82	34.07	27.42	64.5	0.023	1440.1
40.0	-1.81	-1.81	34.08	27.43	63.5	0.026	1440.2
45.0	-1.80	-1.80	34.11	27.46	60.8	0.029	1440.4
50.0	-1.80	-1.80	34.15	27.49	57.8	0.032	1440.6
55.0	-1.80	-1.80	34.17	27.50	56.8	0.035	1440.7
60.0	-1.78	-1.78	34.18	27.51	55.9	0.038	1440.9
65.0	-1.74	-1.74	34.19	27.52	55.0	0.041	1441.2
70.0	-1.64	-1.64	34.20	27.52	54.6	0.044	1441.7
75.0	-1.46	-1.46	34.22	27.54	53.7	0.047	1442.7
80.0	-1.27	-1.28	34.26	27.56	51.4	0.049	1443.7
85.0	-1.12	-1.12	34.29	27.58	49.3	0.052	1444.5
90.0	-0.89	-0.89	34.35	27.62	45.3	0.054	1445.8
95.0	-0.69	-0.70	34.41	27.67	41.5	0.056	1446.9
100.0	-0.51	-0.51	34.44	27.68	40.3	0.058	1447.8
110.0	0.19	0.18	34.54	27.73	35.9	0.062	1451.3
120.0	0.97	0.97	34.66	27.77	31.9	0.066	1455.2
130.0	1.50	1.50	34.77	27.83	27.0	0.069	1457.9
140.0	1.54	1.53	34.80	27.85	24.8	0.071	1458.3
150.0	1.77	1.76	34.84	27.86	23.6	0.074	1459.5
160.0	1.92	1.91	34.88	27.88	22.2	0.076	1460.4
170.0	2.02	2.01	34.89	27.88	22.2	0.078	1461.0
180.0	2.08	2.07	34.91	27.89	21.3	0.080	1461.5
190.0	2.13	2.12	34.91	27.89	21.4	0.083	1461.8
200.0	2.19	2.17	34.93	27.90	20.4	0.085	1462.3
210.0	2.21	2.20	34.95	27.91	19.7	0.087	1462.6
220.0	2.20	2.19	34.95	27.92	19.2	0.089	1462.7
230.0	2.20	2.19	34.95	27.91	19.6	0.091	1462.9
240.0	2.21	2.20	34.95	27.91	19.5	0.093	1463.1
250.0	2.19	2.18	34.95	27.92	19.1	0.095	1463.2
260.0	2.17	2.15	34.96	27.93	18.5	0.097	1463.2
270.0	2.16	2.14	34.96	27.93	18.4	0.098	1463.4
280.0	2.16	2.15	34.96	27.92	18.8	0.100	1463.6
290.0	2.10	2.09	34.97	27.94	17.4	0.102	1463.5
300.0	2.07	2.05	34.97	27.94	17.5	0.104	1463.5
310.0	2.03	2.01	34.96	27.94	17.8	0.106	1463.5
320.0	1.98	1.96	34.96	27.94	17.1	0.107	1463.4
330.0	1.80	1.79	34.95	27.95	16.5	0.109	1462.8
340.0	1.89	1.88	34.95	27.94	17.4	0.111	1463.4
350.0	1.89	1.87	34.97	27.95	16.1	0.113	1463.5
360.0	1.86	1.84	34.97	27.96	16.0	0.114	1463.5
370.0	1.90	1.88	34.97	27.95	16.4	0.116	1463.9
380.0	1.90	1.88	34.96	27.95	16.6	0.117	1464.1
390.0	1.90	1.88	34.96	27.95	16.6	0.119	1464.3
400.0	1.95	1.92	34.97	27.95	16.6	0.121	1464.6
410.0	1.92	1.89	34.98	27.96	15.5	0.122	1464.7
420.0	1.79	1.77	34.97	27.96	15.5	0.124	1464.3
430.0	1.77	1.75	34.98	27.98	14.3	0.126	1464.4
440.0	1.53	1.51	34.95	27.97	15.1	0.127	1463.4
450.0	1.61	1.59	34.96	27.97	15.0	0.129	1463.9
460.0	1.58	1.55	34.96	27.98	14.3	0.130	1464.0
470.0	1.54	1.51	34.96	27.97	14.6	0.131	1463.9
480.0	1.46	1.44	34.96	27.98	13.5	0.133	1463.8
490.0	1.40	1.37	34.95	27.98	13.8	0.134	1463.7
500.0	1.40	1.37	34.95	27.98	14.1	0.136	1463.8
501.0	1.40	1.37	34.95	27.98	14.1	0.136	1463.8



FRAM 3 104 -1

4-26-81

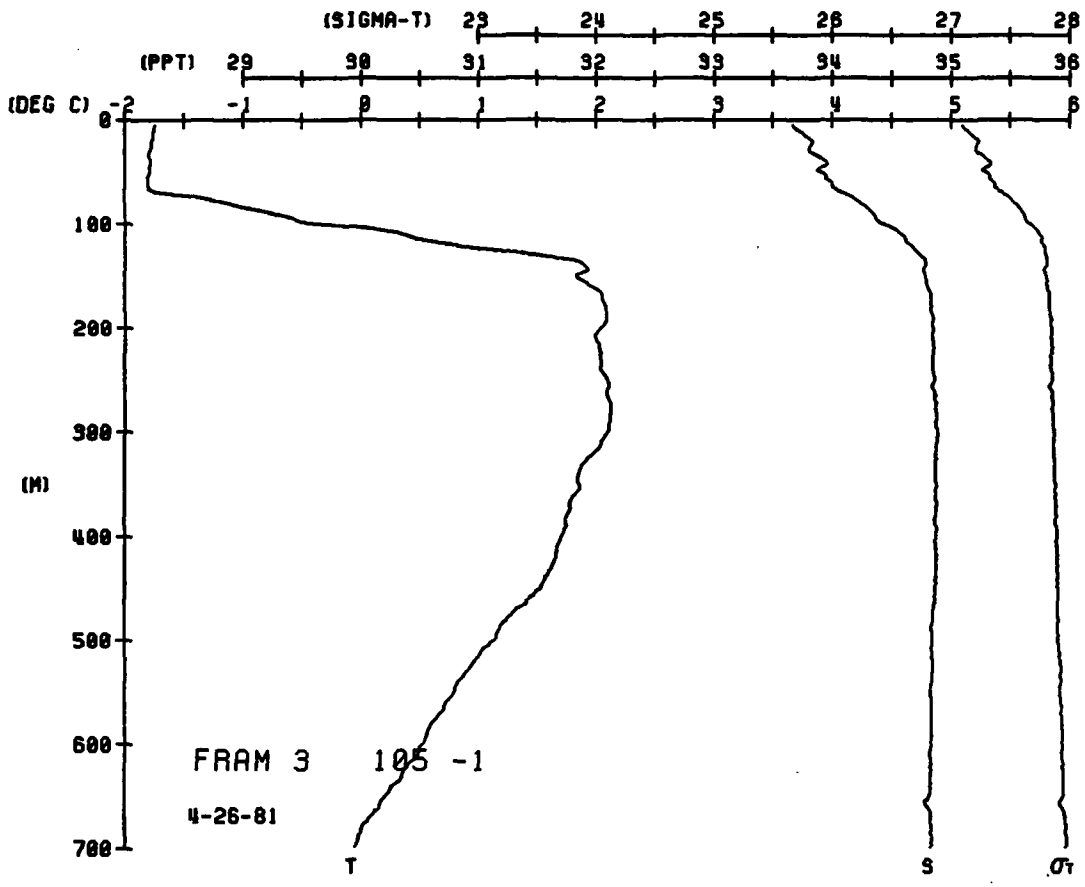

AD-A163 097 PHYSICAL OCEANOGRAPHY REPORT: CAMP-BASED AND HELICOPTER-BASED STD DATA FR (U) LAMONT-DOHERTY GEOLOGICAL OBSERVATORY PALISADES NY T O MANLEY ET AL.
3/4
UNCLASSIFIED DEC 85 LDGO-85-8 N00014-84-C-0132 F/G 8/10 NL

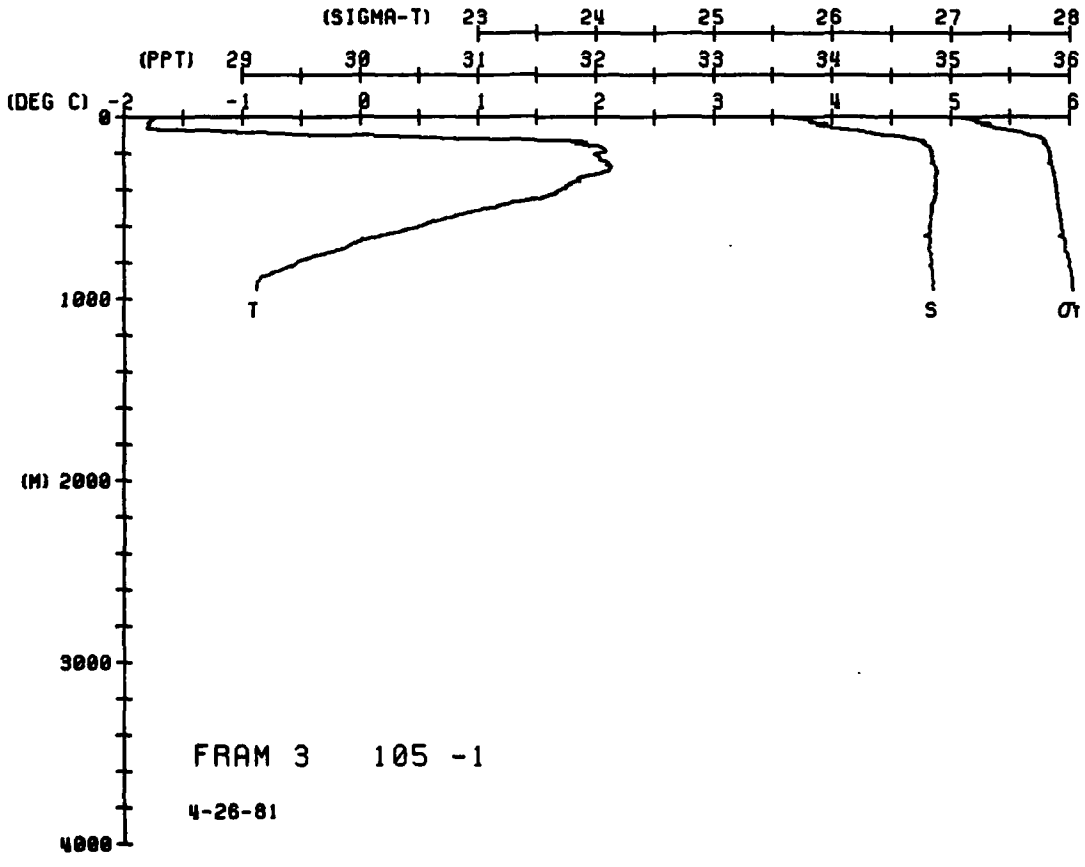


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

FRAM 3 STATION 105(1) CTD 26/APR/1981 2131 GMT CODE = 5
LAT = 81.9650N LNG = 5.5282E LTER = 30. LGEN = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

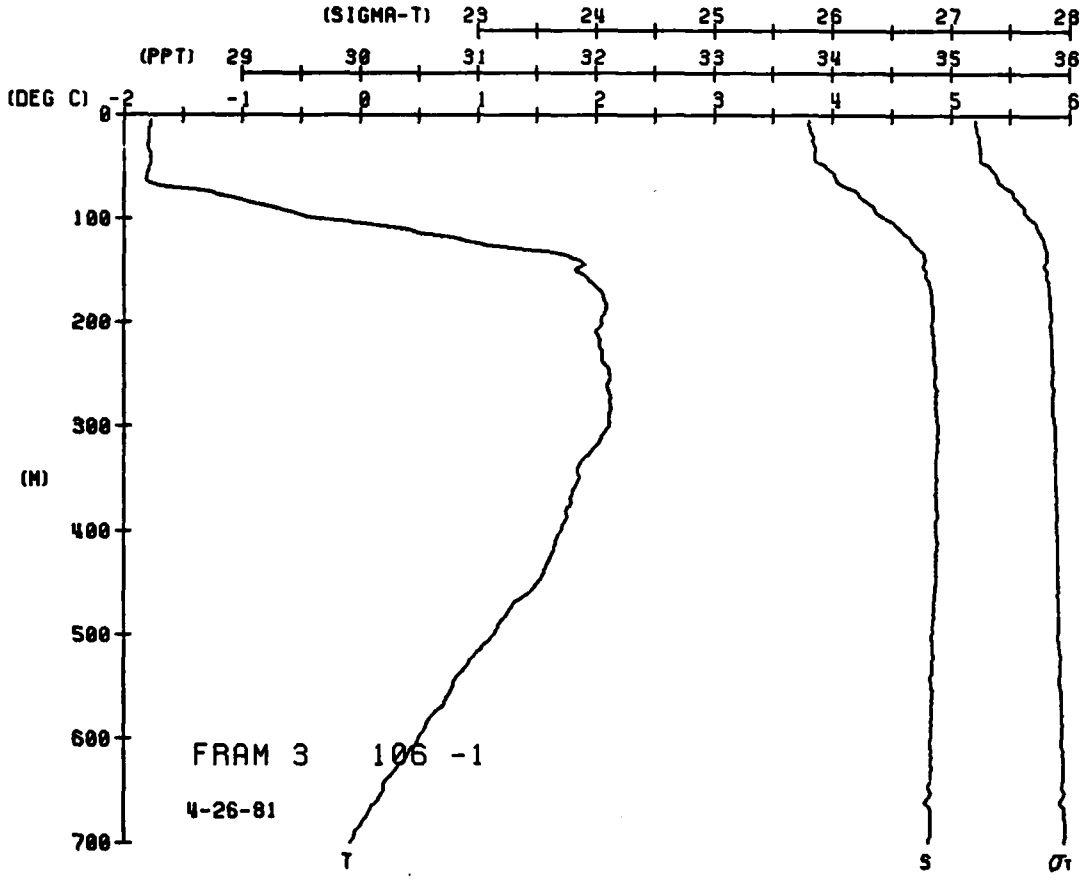
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	33.65	27.08	96.8	0.000	1439.3
4.0	-1.74	-1.74	33.65	27.08	96.8	0.004	1439.4
5.0	-1.74	-1.74	33.67	27.10	95.7	0.005	1439.4
10.0	-1.75	-1.75	33.72	27.14	91.4	0.010	1439.5
15.0	-1.76	-1.76	33.78	27.19	87.0	0.014	1439.6
20.0	-1.77	-1.77	33.84	27.23	82.5	0.018	1439.8
25.0	-1.77	-1.77	33.82	27.22	83.7	0.023	1439.8
30.0	-1.79	-1.79	33.81	27.22	84.1	0.027	1439.8
35.0	-1.79	-1.80	33.89	27.28	78.2	0.031	1440.0
40.0	-1.78	-1.78	33.95	27.33	73.3	0.035	1440.2
45.0	-1.78	-1.79	33.93	27.31	75.2	0.039	1440.2
50.0	-1.79	-1.79	33.90	27.29	77.3	0.042	1440.3
55.0	-1.80	-1.80	33.95	27.33	73.3	0.046	1440.4
60.0	-1.80	-1.81	34.00	27.37	69.7	0.050	1440.5
65.0	-1.79	-1.80	34.01	27.37	69.0	0.053	1440.6
70.0	-1.69	-1.69	34.09	27.44	62.8	0.057	1441.3
75.0	-1.35	-1.35	34.18	27.50	57.2	0.060	1443.1
80.0	-1.15	-1.15	34.23	27.54	53.5	0.062	1444.2
85.0	-0.96	-0.96	34.30	27.58	49.2	0.065	1445.3
90.0	-0.75	-0.75	34.35	27.62	46.2	0.067	1446.4
95.0	-0.58	-0.59	34.37	27.62	45.5	0.070	1447.3
100.0	-0.37	-0.37	34.43	27.66	41.8	0.072	1448.5
110.0	0.36	0.36	34.58	27.75	33.9	0.076	1452.2
120.0	0.77	0.76	34.65	27.78	31.3	0.079	1454.3
130.0	1.49	1.49	34.74	27.80	29.1	0.082	1457.8
140.0	1.91	1.90	34.78	27.80	29.4	0.085	1459.9
150.0	1.84	1.83	34.79	27.81	28.5	0.088	1459.7
160.0	1.97	1.96	34.81	27.82	27.8	0.091	1460.5
170.0	2.05	2.04	34.84	27.84	26.5	0.094	1461.1
180.0	2.09	2.08	34.84	27.83	26.8	0.096	1461.4
190.0	2.09	2.08	34.85	27.84	25.8	0.099	1461.6
200.0	2.04	2.03	34.84	27.84	25.8	0.102	1461.5
210.0	2.00	1.99	34.84	27.84	25.8	0.104	1461.5
220.0	2.04	2.02	34.85	27.85	25.5	0.107	1461.8
230.0	2.05	2.04	34.85	27.84	26.0	0.109	1462.1
240.0	2.05	2.04	34.85	27.85	25.8	0.112	1462.2
250.0	2.10	2.09	34.87	27.86	24.9	0.115	1462.7
260.0	2.10	2.08	34.86	27.85	25.1	0.117	1462.8
270.0	2.12	2.11	34.87	27.86	24.6	0.120	1463.1
280.0	2.13	2.11	34.87	27.86	25.1	0.122	1463.3
290.0	2.12	2.10	34.88	27.86	24.6	0.125	1463.4
300.0	2.10	2.08	34.89	27.87	23.5	0.127	1463.5
310.0	2.05	2.03	34.88	27.87	23.6	0.130	1463.5
320.0	1.98	1.97	34.88	27.87	23.7	0.132	1463.3
330.0	1.90	1.88	34.87	27.88	23.4	0.134	1463.1
340.0	1.86	1.84	34.87	27.88	23.3	0.137	1463.1
350.0	1.86	1.84	34.88	27.89	22.5	0.139	1463.3
360.0	1.82	1.80	34.87	27.88	22.7	0.141	1463.2
370.0	1.78	1.76	34.88	27.89	22.1	0.144	1463.3
380.0	1.75	1.73	34.87	27.89	22.1	0.146	1463.3
390.0	1.75	1.73	34.88	27.89	22.0	0.148	1463.4
400.0	1.71	1.69	34.87	27.89	22.1	0.150	1463.4
410.0	1.67	1.65	34.87	27.90	21.5	0.152	1463.4
420.0	1.66	1.64	34.87	27.90	21.6	0.155	1463.5
430.0	1.62	1.60	34.87	27.90	21.5	0.157	1463.5
440.0	1.57	1.55	34.87	27.90	21.1	0.159	1463.5
450.0	1.53	1.50	34.86	27.90	21.3	0.161	1463.5
460.0	1.44	1.41	34.86	27.90	21.0	0.163	1463.2
470.0	1.34	1.31	34.85	27.90	20.6	0.165	1462.9
480.0	1.25	1.22	34.85	27.91	20.2	0.167	1462.7
490.0	1.18	1.15	34.84	27.90	20.8	0.170	1462.5
500.0	1.13	1.10	34.84	27.91	20.1	0.172	1462.5
530.0	0.90	0.87	34.84	27.92	18.7	0.177	1461.9
560.0	0.73	0.70	34.83	27.93	17.9	0.183	1461.7
590.0	0.56	0.54	34.83	27.94	16.7	0.188	1461.4
620.0	0.40	0.37	34.83	27.95	15.5	0.193	1461.2
650.0	0.20	0.18	34.82	27.95	15.1	0.198	1460.8
680.0	0.01	-0.02	34.83	27.97	12.8	0.202	1460.4
710.0	-0.10	-0.13	34.82	27.97	12.5	0.206	1460.4
740.0	-0.22	-0.25	34.82	27.97	11.9	0.210	1460.4
790.0	-0.50	-0.53	34.84	28.00	8.5	0.215	1459.9
840.0	-0.66	-0.69	34.85	28.02	6.9	0.219	1460.1
890.0	-0.85	-0.88	34.85	28.03	5.4	0.222	1460.0
940.0	-0.88	-0.92	34.85	28.03	4.7	0.224	1460.7
953.5	-0.88	-0.92	34.87	28.04	3.8	0.225	1461.0

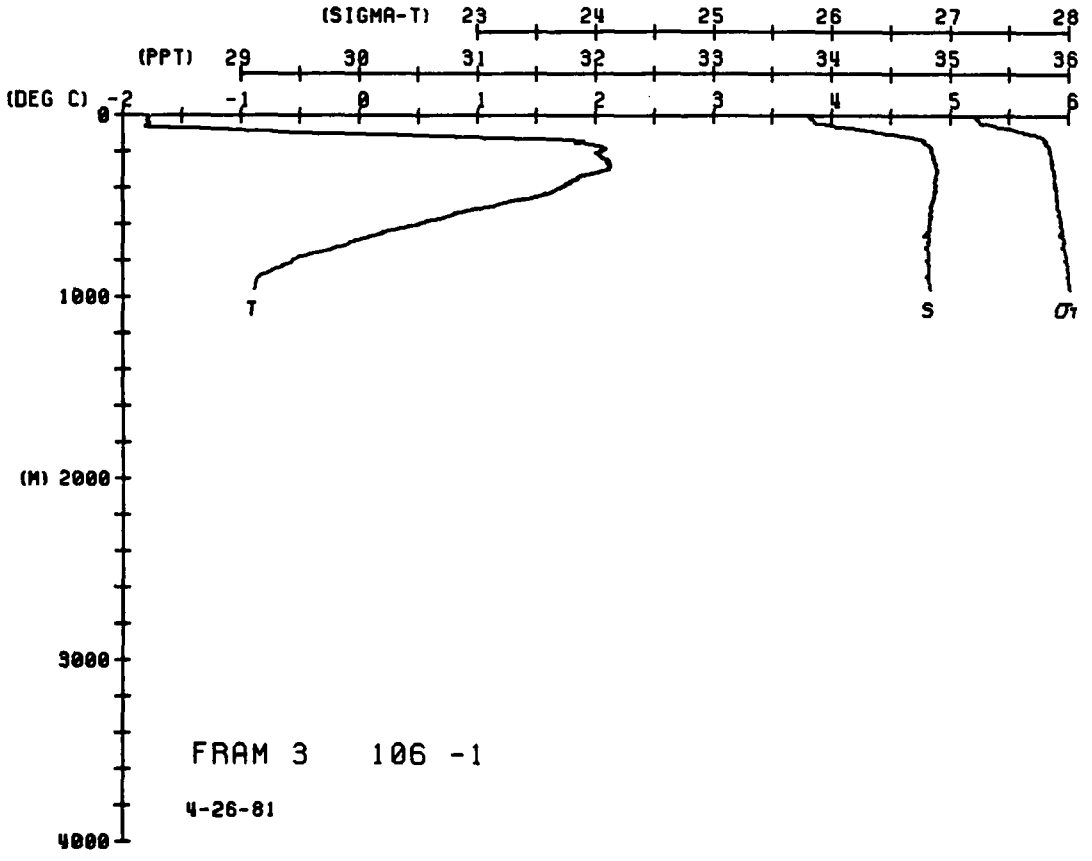

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 105 -1
4-26-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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FRAM 3 105 -1
4-26-81

FRAM 3 STATION 106(1) CTD 26/APR/1981 2204 GMT CODE = 5
LAT = 81.9650N LNG = 5.5282E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

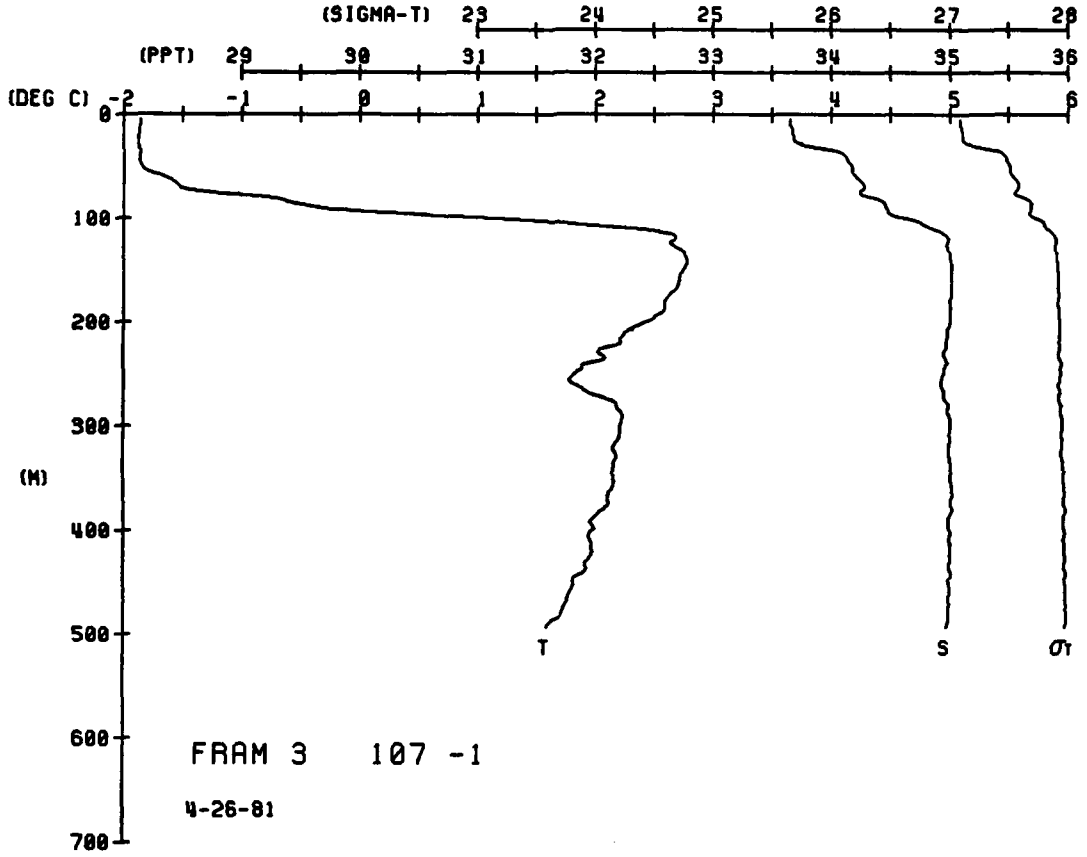
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	33.80	27.21	85.2	0.000	1439.4
4.0	-1.77	-1.77	33.80	27.21	85.2	0.003	1439.4
5.0	-1.77	-1.77	33.80	27.20	85.4	0.004	1439.5
10.0	-1.77	-1.78	33.81	27.21	84.5	0.009	1439.5
15.0	-1.79	-1.79	33.82	27.22	83.6	0.013	1439.6
20.0	-1.78	-1.79	33.85	27.24	81.7	0.017	1439.7
25.0	-1.78	-1.79	33.84	27.24	82.3	0.021	1439.8
30.0	-1.79	-1.80	33.86	27.25	80.5	0.025	1439.8
35.0	-1.78	-1.78	33.86	27.25	80.7	0.029	1440.0
40.0	-1.77	-1.77	33.85	27.25	80.9	0.033	1440.1
45.0	-1.77	-1.78	33.88	27.27	78.8	0.037	1440.2
50.0	-1.78	-1.78	33.96	27.33	73.0	0.041	1440.4
55.0	-1.80	-1.80	34.01	27.37	69.0	0.045	1440.4
60.0	-1.81	-1.81	34.03	27.39	67.0	0.048	1440.5
65.0	-1.78	-1.79	34.05	27.41	65.7	0.052	1440.7
70.0	-1.57	-1.57	34.14	27.47	59.4	0.055	1442.0
75.0	-1.24	-1.25	34.22	27.53	54.2	0.058	1443.7
80.0	-1.07	-1.08	34.25	27.55	52.6	0.060	1444.6
85.0	-0.89	-0.89	34.32	27.60	48.0	0.063	1445.6
90.0	-0.70	-0.70	34.36	27.62	45.5	0.065	1446.7
95.0	-0.54	-0.55	34.39	27.64	43.9	0.068	1447.5
100.0	-0.33	-0.33	34.46	27.69	39.4	0.070	1448.7
110.0	0.38	0.38	34.57	27.74	34.9	0.073	1452.3
120.0	0.86	0.85	34.66	27.78	30.8	0.077	1454.7
130.0	1.45	1.45	34.75	27.81	28.5	0.080	1457.6
140.0	1.87	1.86	34.79	27.81	28.6	0.083	1459.7
150.0	1.84	1.83	34.79	27.82	27.9	0.086	1459.7
160.0	1.95	1.94	34.82	27.83	27.0	0.088	1460.5
170.0	2.05	2.05	34.83	27.83	26.6	0.091	1461.1
180.0	2.08	2.07	34.84	27.84	26.3	0.094	1461.4
190.0	2.07	2.06	34.85	27.84	25.9	0.096	1461.5
200.0	2.05	2.04	34.84	27.84	26.0	0.099	1461.6
210.0	2.01	2.00	34.85	27.85	25.3	0.102	1461.6
220.0	2.04	2.02	34.86	27.85	25.1	0.104	1461.9
230.0	2.06	2.04	34.86	27.86	24.9	0.107	1462.1
240.0	2.08	2.07	34.87	27.86	24.5	0.109	1462.4
250.0	2.12	2.11	34.87	27.86	24.7	0.112	1462.7
260.0	2.10	2.08	34.87	27.86	24.5	0.114	1462.8
270.0	2.13	2.11	34.88	27.87	24.1	0.117	1463.1
280.0	2.13	2.11	34.88	27.86	24.4	0.119	1463.3
290.0	2.12	2.10	34.88	27.87	24.0	0.121	1463.4
300.0	2.11	2.09	34.89	27.88	23.4	0.124	1463.6
310.0	2.05	2.03	34.89	27.88	23.0	0.126	1463.4
320.0	1.99	1.97	34.89	27.88	22.9	0.129	1463.3
330.0	1.90	1.88	34.88	27.88	22.7	0.131	1463.1
340.0	1.86	1.84	34.88	27.88	22.7	0.133	1463.1
350.0	1.86	1.84	34.88	27.89	22.2	0.135	1463.3
360.0	1.81	1.79	34.88	27.89	22.1	0.138	1463.2
370.0	1.78	1.76	34.88	27.89	21.8	0.140	1463.3
380.0	1.75	1.73	34.88	27.90	21.6	0.142	1463.3
390.0	1.74	1.72	34.87	27.89	22.2	0.144	1463.4
400.0	1.71	1.68	34.88	27.90	21.5	0.146	1463.4
410.0	1.67	1.64	34.88	27.90	20.9	0.149	1463.4
420.0	1.64	1.62	34.87	27.90	21.3	0.151	1463.5
430.0	1.60	1.58	34.87	27.90	21.2	0.153	1463.4
440.0	1.56	1.54	34.87	27.90	20.9	0.155	1463.4
450.0	1.51	1.48	34.87	27.91	20.7	0.157	1463.4
460.0	1.44	1.41	34.86	27.91	20.6	0.159	1463.2
470.0	1.31	1.29	34.86	27.91	20.3	0.161	1462.8
480.0	1.25	1.22	34.85	27.91	20.0	0.163	1462.7
490.0	1.18	1.15	34.85	27.91	19.8	0.165	1462.5
500.0	1.14	1.11	34.83	27.90	20.7	0.167	1462.5
530.0	0.91	0.88	34.84	27.93	18.2	0.173	1462.0
560.0	0.74	0.71	34.84	27.93	17.5	0.179	1461.7
590.0	0.55	0.53	34.83	27.94	16.7	0.184	1461.4
620.0	0.38	0.35	34.83	27.95	15.5	0.189	1461.1
650.0	0.19	0.17	34.82	27.95	14.8	0.193	1460.7
680.0	0.02	-0.01	34.83	27.96	13.3	0.198	1460.4
710.0	-0.10	-0.13	34.82	27.97	12.9	0.202	1460.4
740.0	-0.24	-0.27	34.82	27.97	12.1	0.206	1460.3
790.0	-0.54	-0.57	34.82	27.99	9.5	0.211	1459.7
840.0	-0.70	-0.73	34.82	28.00	8.5	0.216	1459.8
890.0	-0.85	-0.88	34.82	28.00	7.8	0.220	1460.0
940.0	-0.88	-0.92	34.83	28.01	6.3	0.223	1460.7
962.3	-0.89	-0.93	34.84	28.02	5.5	0.225	1461.0


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 106 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 106 -1
4-26-81

FRAM 3 STATION 107(1) CTD 26/APR/1981 2205 GMT CODE = 5
LAT = 82.0083N LNG = 1.4917E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	33.66	27.09	96.3	0.000	1438.8
4.0	-1.86	-1.86	33.66	27.09	96.3	0.004	1438.8
5.0	-1.86	-1.86	33.65	27.09	96.3	0.005	1438.9
10.0	-1.86	-1.86	33.66	27.09	95.7	0.010	1438.9
15.0	-1.87	-1.87	33.68	27.11	94.5	0.015	1439.0
20.0	-1.87	-1.87	33.68	27.11	94.2	0.019	1439.1
25.0	-1.87	-1.87	33.69	27.12	93.3	0.024	1439.2
30.0	-1.87	-1.87	33.77	27.18	87.5	0.029	1439.4
35.0	-1.86	-1.86	34.01	27.38	68.4	0.033	1439.8
40.0	-1.87	-1.87	34.12	27.47	59.9	0.036	1440.0
45.0	-1.86	-1.86	34.15	27.49	58.1	0.039	1440.2
50.0	-1.85	-1.85	34.18	27.51	55.8	0.042	1440.4
55.0	-1.79	-1.79	34.18	27.51	55.6	0.044	1440.7
60.0	-1.65	-1.65	34.22	27.54	53.1	0.047	1441.5
65.0	-1.57	-1.57	34.26	27.58	49.9	0.050	1442.1
70.0	-1.52	-1.52	34.28	27.59	48.6	0.052	1442.4
75.0	-1.29	-1.29	34.25	27.55	51.9	0.055	1443.5
80.0	-0.79	-0.79	34.35	27.62	46.1	0.057	1446.1
85.0	-0.57	-0.57	34.40	27.70	38.6	0.059	1447.3
90.0	-0.31	-0.31	34.47	27.70	38.7	0.061	1448.7
95.0	0.23	0.22	34.49	27.68	40.5	0.063	1451.2
100.0	1.17	1.16	34.64	27.74	34.5	0.065	1455.7
110.0	2.34	2.33	34.86	27.83	26.5	0.068	1461.4
120.0	2.68	2.67	34.99	27.91	19.5	0.071	1463.2
130.0	2.72	2.71	34.99	27.91	19.9	0.073	1463.5
140.0	2.78	2.77	35.01	27.91	19.2	0.075	1464.0
150.0	2.75	2.74	35.02	27.92	18.3	0.077	1464.0
160.0	2.71	2.71	35.02	27.92	18.3	0.078	1464.0
170.0	2.67	2.66	35.02	27.93	18.0	0.080	1464.0
180.0	2.59	2.58	35.01	27.93	18.2	0.082	1463.8
190.0	2.57	2.56	35.01	27.94	17.5	0.084	1463.9
200.0	2.43	2.42	35.01	27.94	16.8	0.086	1463.5
210.0	2.26	2.25	34.99	27.94	17.1	0.087	1462.9
220.0	2.22	2.21	34.98	27.94	17.3	0.089	1462.8
230.0	2.04	2.03	34.95	27.93	17.9	0.091	1462.2
240.0	1.93	1.92	34.98	27.96	15.2	0.093	1461.9
250.0	1.82	1.81	34.95	27.95	16.2	0.094	1461.5
260.0	1.83	1.82	34.93	27.93	18.0	0.096	1461.7
270.0	2.00	1.98	34.95	27.94	17.6	0.098	1462.7
280.0	2.18	2.17	35.00	27.95	16.1	0.099	1463.7
290.0	2.23	2.22	35.01	27.96	15.8	0.101	1464.1
300.0	2.21	2.20	35.01	27.96	15.4	0.103	1464.2
310.0	2.21	2.19	35.01	27.96	15.5	0.104	1464.3
320.0	2.16	2.14	35.00	27.96	15.5	0.106	1464.3
330.0	2.19	2.17	35.01	27.97	15.2	0.107	1464.6
340.0	2.16	2.15	35.02	27.97	14.5	0.109	1464.6
350.0	2.16	2.14	35.01	27.97	14.9	0.110	1464.8
360.0	2.14	2.12	35.02	27.98	14.1	0.112	1464.9
370.0	2.11	2.08	35.01	27.97	14.6	0.113	1464.9
380.0	2.06	2.04	35.03	27.99	13.1	0.115	1464.9
390.0	1.97	1.95	35.00	27.97	14.7	0.116	1464.6
400.0	1.98	1.96	35.01	27.98	13.9	0.117	1464.8
410.0	1.96	1.94	35.00	27.98	14.3	0.119	1464.9
420.0	1.98	1.96	35.01	27.98	14.0	0.120	1465.1
430.0	1.92	1.90	35.01	27.98	13.7	0.122	1465.1
440.0	1.91	1.88	35.02	27.99	12.9	0.123	1465.2
450.0	1.82	1.79	34.99	27.98	14.0	0.124	1464.9
460.0	1.78	1.76	35.00	27.99	13.0	0.126	1464.9
470.0	1.75	1.73	35.00	27.99	13.0	0.127	1465.0
480.0	1.72	1.69	35.00	27.99	12.9	0.128	1465.0
490.0	1.60	1.57	34.99	27.99	12.8	0.130	1464.6
493.1	1.59	1.56	34.98	27.99	13.3	0.130	1464.6

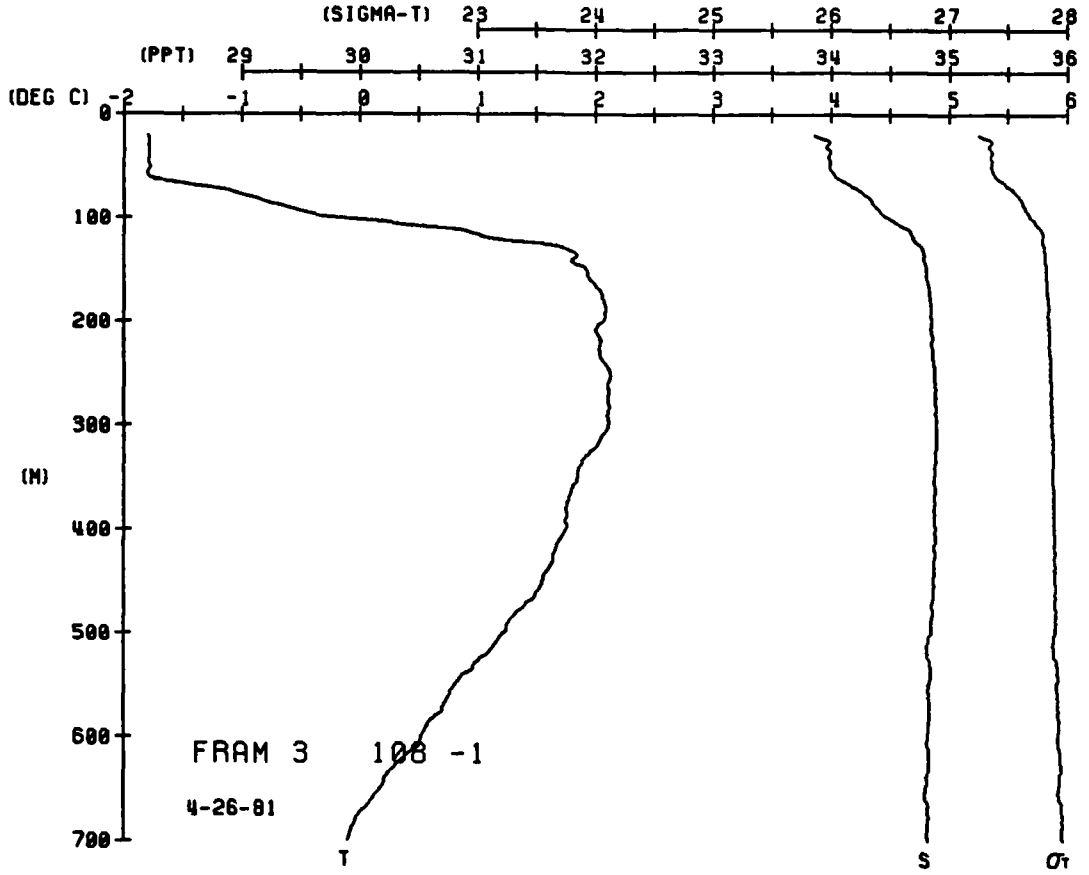


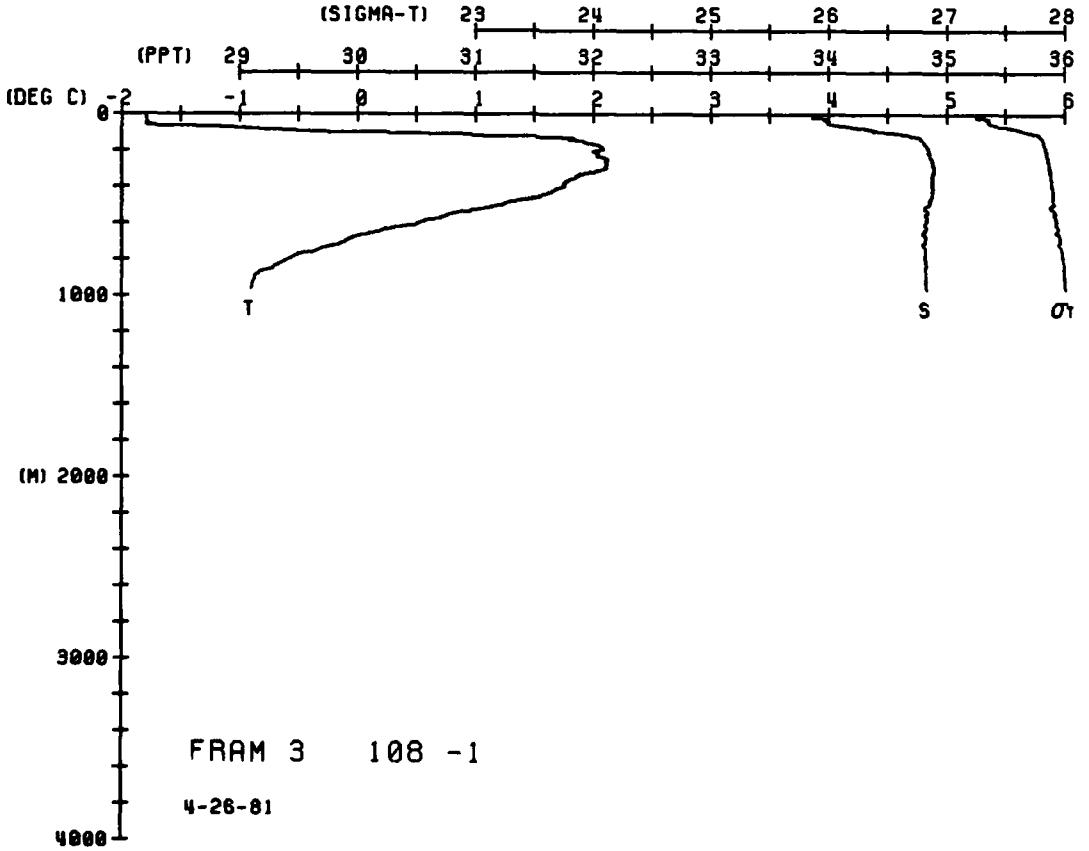
FRAM 3 107 -1

4-26-81

FRAM 3 STATION 108(1) CTD 26/APR/1981 2244 GMT CODE = 5
LAT = 81.9633N LNG = 5.5282E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

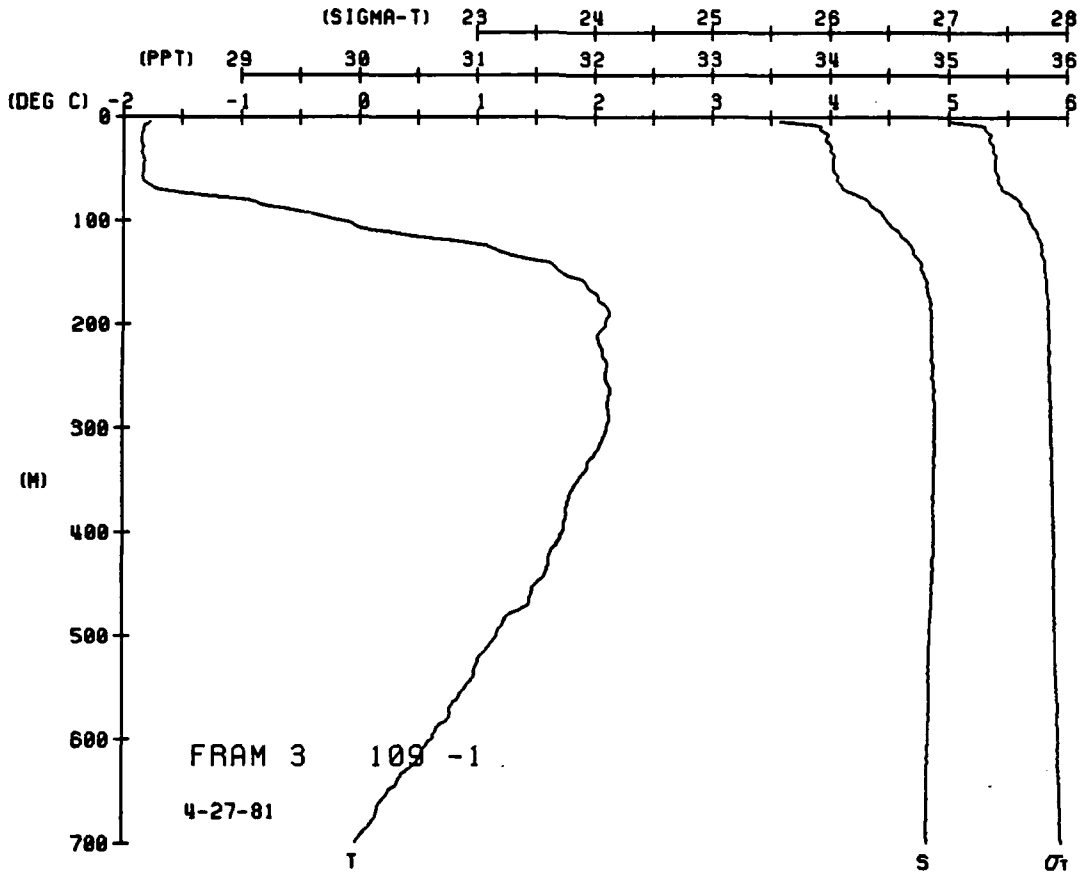
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.86	27.25	80.6	0.000	1439.3
5.0	-1.79	-1.80	33.86	27.25	80.6	0.004	1439.4
10.0	-1.79	-1.80	33.86	27.25	80.6	0.008	1439.5
15.0	-1.79	-1.80	33.86	27.25	80.5	0.012	1439.6
20.0	-1.79	-1.80	33.86	27.25	80.5	0.016	1439.7
20.8	-1.79	-1.80	33.86	27.25	80.5	0.017	1439.7
25.0	-1.79	-1.79	33.98	27.35	71.2	0.020	1440.0
30.0	-1.78	-1.79	33.97	27.34	72.3	0.024	1440.0
35.0	-1.79	-1.79	34.00	27.36	70.0	0.027	1440.1
40.0	-1.79	-1.79	33.98	27.35	71.1	0.031	1440.2
45.0	-1.79	-1.79	34.00	27.37	69.7	0.035	1440.3
50.0	-1.78	-1.78	34.00	27.36	70.0	0.038	1440.4
55.0	-1.79	-1.79	34.01	27.38	68.5	0.042	1440.5
60.0	-1.79	-1.79	34.04	27.40	66.2	0.045	1440.6
65.0	-1.63	-1.63	34.11	27.45	61.3	0.048	1441.6
70.0	-1.32	-1.32	34.21	27.52	55.1	0.051	1443.2
75.0	-1.09	-1.09	34.27	27.57	50.8	0.054	1444.5
80.0	-0.92	-0.92	34.32	27.60	47.4	0.056	1445.4
85.0	-0.78	-0.78	34.36	27.62	45.5	0.059	1446.2
90.0	-0.60	-0.60	34.40	27.65	43.2	0.061	1447.2
95.0	-0.46	-0.46	34.43	27.67	41.1	0.063	1448.0
100.0	-0.15	-0.15	34.49	27.71	37.9	0.065	1449.6
110.0	0.71	0.70	34.65	27.78	30.9	0.068	1453.8
120.0	1.14	1.13	34.70	27.79	29.8	0.072	1456.0
130.0	1.78	1.77	34.78	27.81	28.1	0.074	1459.1
140.0	1.80	1.79	34.79	27.82	28.0	0.077	1459.4
150.0	1.92	1.92	34.82	27.83	26.9	0.080	1460.2
160.0	1.97	1.96	34.82	27.83	27.2	0.083	1460.5
170.0	2.04	2.04	34.84	27.84	26.2	0.086	1461.0
180.0	2.07	2.06	34.85	27.84	25.9	0.088	1461.3
190.0	2.08	2.07	34.85	27.84	25.9	0.091	1461.5
200.0	2.06	2.05	34.85	27.85	25.4	0.093	1461.6
210.0	2.01	2.00	34.86	27.86	24.8	0.096	1461.6
220.0	2.05	2.03	34.86	27.85	25.0	0.098	1461.9
230.0	2.05	2.03	34.86	27.86	25.0	0.101	1462.1
240.0	2.08	2.07	34.87	27.86	24.2	0.103	1462.4
250.0	2.13	2.11	34.88	27.86	24.4	0.106	1462.8
260.0	2.11	2.09	34.88	27.87	23.8	0.108	1462.9
270.0	2.12	2.10	34.89	27.87	23.4	0.111	1463.1
280.0	2.12	2.11	34.89	27.88	23.4	0.113	1463.3
290.0	2.11	2.09	34.89	27.87	23.4	0.115	1463.4
300.0	2.12	2.10	34.89	27.88	23.2	0.118	1463.6
310.0	2.06	2.04	34.89	27.88	22.8	0.120	1463.5
320.0	2.01	1.99	34.89	27.89	22.5	0.122	1463.4
330.0	1.91	1.89	34.89	27.89	22.1	0.125	1463.2
340.0	1.87	1.85	34.88	27.89	22.3	0.127	1463.1
350.0	1.85	1.83	34.88	27.89	22.1	0.129	1463.2
360.0	1.81	1.79	34.88	27.89	21.9	0.131	1463.2
370.0	1.77	1.75	34.88	27.90	21.6	0.134	1463.2
380.0	1.75	1.73	34.88	27.89	22.0	0.136	1463.3
390.0	1.75	1.73	34.88	27.89	21.7	0.138	1463.5
400.0	1.75	1.73	34.88	27.90	21.4	0.140	1463.6
410.0	1.70	1.67	34.88	27.90	20.9	0.142	1463.6
420.0	1.66	1.64	34.89	27.91	20.5	0.144	1463.6
430.0	1.64	1.62	34.88	27.90	20.9	0.147	1463.7
440.0	1.59	1.57	34.88	27.91	20.7	0.149	1463.6
450.0	1.55	1.53	34.87	27.90	20.8	0.151	1463.6
460.0	1.51	1.48	34.87	27.91	20.6	0.153	1463.5
470.0	1.43	1.41	34.86	27.90	20.7	0.155	1463.4
480.0	1.33	1.31	34.86	27.91	20.0	0.157	1463.1
490.0	1.26	1.24	34.86	27.92	19.6	0.159	1462.9
500.0	1.22	1.20	34.85	27.91	20.2	0.161	1462.9
530.0	0.97	0.94	34.84	27.92	18.6	0.167	1462.3
560.0	0.76	0.74	34.83	27.93	17.9	0.173	1461.8
590.0	0.57	0.54	34.83	27.94	16.6	0.178	1461.5
620.0	0.37	0.34	34.83	27.95	15.4	0.183	1461.0
650.0	0.17	0.15	34.81	27.94	15.9	0.187	1460.6
680.0	-0.04	-0.06	34.83	27.97	12.8	0.192	1460.2
710.0	-0.12	-0.15	34.81	27.96	13.4	0.196	1460.3
740.0	-0.30	-0.33	34.83	27.98	10.8	0.199	1460.0
790.0	-0.56	-0.59	34.83	27.99	9.4	0.204	1459.7
840.0	-0.71	-0.74	34.83	28.00	7.9	0.209	1459.8
890.0	-0.87	-0.90	34.82	28.00	7.3	0.213	1459.9
940.0	-0.88	-0.92	34.83	28.01	6.6	0.216	1460.7
962.3	-0.89	-0.93	34.84	28.02	5.4	0.218	1461.0

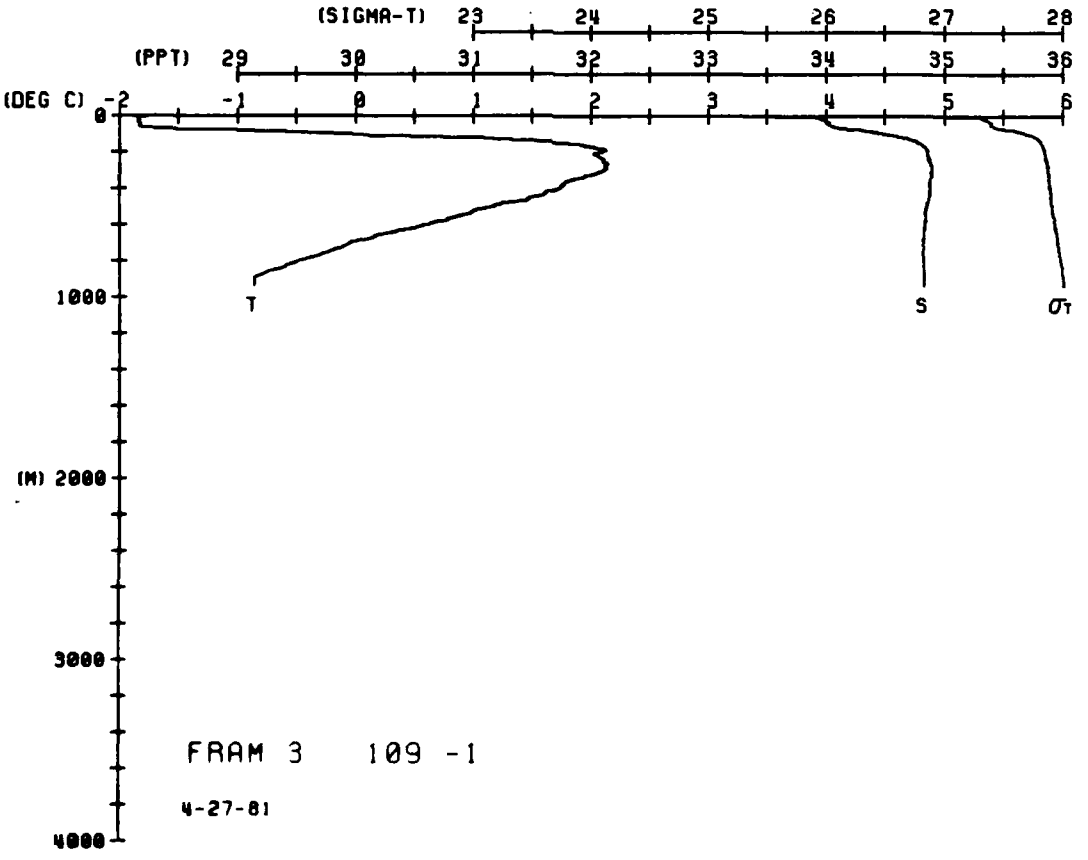

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0
100
200
300
(M)
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FRAM 3 108 -1
4-26-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
FRAM 3 108 -1
4-26-81
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FRAM 3 STATION 109(1) CTD 27/APR/1981 849 GMT CODE = 5
LAT = 81.9530N LNG = 5.6128E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.75	-1.75	33.43	26.90	113.8	0.000	1438.9
4.0	-1.75	-1.76	33.43	26.90	113.8	0.005	1439.0
5.0	-1.77	-1.77	33.58	27.03	102.1	0.006	1439.1
10.0	-1.83	-1.83	33.92	27.31	75.7	0.010	1439.5
15.0	-1.84	-1.84	33.96	27.34	72.6	0.014	1439.5
20.0	-1.84	-1.84	33.97	27.34	72.3	0.018	1439.6
25.0	-1.84	-1.84	33.99	27.36	70.1	0.021	1439.7
30.0	-1.83	-1.83	34.01	27.37	69.2	0.025	1439.9
35.0	-1.84	-1.84	34.02	27.39	67.9	0.028	1439.9
40.0	-1.82	-1.82	34.03	27.39	67.2	0.032	1440.1
45.0	-1.83	-1.83	34.03	27.39	67.5	0.035	1440.2
50.0	-1.83	-1.83	34.02	27.39	67.8	0.038	1440.3
55.0	-1.84	-1.84	34.06	27.41	65.2	0.042	1440.3
60.0	-1.83	-1.83	34.06	27.42	64.5	0.045	1440.5
65.0	-1.78	-1.78	34.09	27.44	62.2	0.048	1440.8
70.0	-1.69	-1.69	34.13	27.47	60.0	0.051	1441.4
75.0	-1.35	-1.35	34.22	27.54	53.6	0.054	1443.2
80.0	-0.95	-0.95	34.32	27.60	47.7	0.057	1445.3
85.0	-0.80	-0.81	34.35	27.62	45.8	0.059	1446.1
90.0	-0.53	-0.53	34.42	27.66	41.8	0.061	1447.6
95.0	-0.35	-0.35	34.46	27.68	39.7	0.063	1448.5
100.0	-0.13	-0.13	34.49	27.70	38.0	0.065	1449.6
110.0	0.19	0.18	34.58	27.76	32.9	0.069	1451.4
120.0	0.84	0.84	34.67	27.79	30.4	0.072	1454.6
130.0	1.21	1.20	34.71	27.80	29.6	0.075	1456.5
140.0	1.60	1.59	34.77	27.82	27.6	0.078	1458.5
150.0	1.73	1.72	34.79	27.83	27.2	0.081	1459.3
160.0	1.93	1.92	34.82	27.83	26.5	0.084	1460.4
170.0	2.02	2.01	34.83	27.84	26.3	0.086	1460.9
180.0	2.08	2.07	34.85	27.84	25.8	0.089	1461.4
190.0	2.13	2.11	34.86	27.85	25.5	0.091	1461.8
200.0	2.10	2.08	34.86	27.85	25.3	0.094	1461.8
210.0	2.03	2.02	34.86	27.86	24.8	0.097	1461.7
220.0	2.06	2.05	34.87	27.86	24.5	0.099	1462.0
230.0	2.08	2.07	34.87	27.86	24.5	0.102	1462.2
240.0	2.11	2.10	34.88	27.87	24.0	0.104	1462.6
250.0	2.11	2.09	34.88	27.86	24.3	0.106	1462.7
260.0	2.14	2.13	34.89	27.87	23.8	0.109	1463.0
270.0	2.13	2.11	34.88	27.87	23.8	0.111	1463.1
280.0	2.12	2.11	34.89	27.88	23.2	0.114	1463.3
290.0	2.13	2.12	34.90	27.88	23.2	0.116	1463.5
300.0	2.11	2.09	34.89	27.88	23.2	0.118	1463.6
310.0	2.08	2.06	34.89	27.88	23.3	0.121	1463.6
320.0	2.04	2.02	34.90	27.89	22.5	0.123	1463.6
330.0	1.97	1.95	34.88	27.88	23.0	0.125	1463.4
340.0	1.94	1.92	34.89	27.89	22.4	0.128	1463.5
350.0	1.87	1.85	34.88	27.89	22.3	0.130	1463.3
360.0	1.81	1.79	34.88	27.89	21.9	0.132	1463.2
370.0	1.78	1.76	34.88	27.89	21.7	0.134	1463.3
380.0	1.77	1.75	34.88	27.90	21.6	0.137	1463.4
390.0	1.75	1.73	34.88	27.90	21.4	0.139	1463.5
400.0	1.73	1.71	34.89	27.90	21.1	0.141	1463.5
410.0	1.69	1.67	34.89	27.90	20.8	0.143	1463.5
420.0	1.63	1.61	34.88	27.91	20.5	0.145	1463.4
430.0	1.62	1.60	34.88	27.90	20.9	0.147	1463.6
440.0	1.60	1.57	34.88	27.91	20.6	0.149	1463.6
450.0	1.51	1.48	34.87	27.91	20.4	0.151	1463.4
460.0	1.48	1.45	34.87	27.91	20.2	0.153	1463.4
470.0	1.45	1.42	34.87	27.91	20.1	0.155	1463.4
480.0	1.28	1.25	34.86	27.91	19.8	0.157	1462.8
490.0	1.22	1.19	34.86	27.92	19.4	0.159	1462.7
500.0	1.17	1.15	34.85	27.92	19.3	0.161	1462.7
530.0	1.00	0.97	34.85	27.92	18.8	0.167	1462.4
560.0	0.85	0.82	34.85	27.93	17.4	0.173	1462.2
590.0	0.67	0.64	34.84	27.94	16.6	0.178	1461.9
620.0	0.51	0.48	34.84	27.94	16.0	0.183	1461.7
650.0	0.26	0.24	34.83	27.95	14.7	0.188	1461.1
680.0	0.11	0.08	34.83	27.96	13.6	0.192	1460.9
710.0	-0.07	-0.10	34.83	27.97	12.5	0.196	1460.6
740.0	-0.19	-0.22	34.83	27.98	11.9	0.200	1460.5
790.0	-0.41	-0.45	34.83	27.99	9.8	0.205	1460.3
840.0	-0.63	-0.66	34.83	28.00	8.3	0.210	1460.2
890.0	-0.85	-0.88	34.83	28.01	6.6	0.213	1460.0
936.7	-0.86	-0.90	34.84	28.02	6.1	0.216	1460.7


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 109 -1
4-27-81
T
S
σT

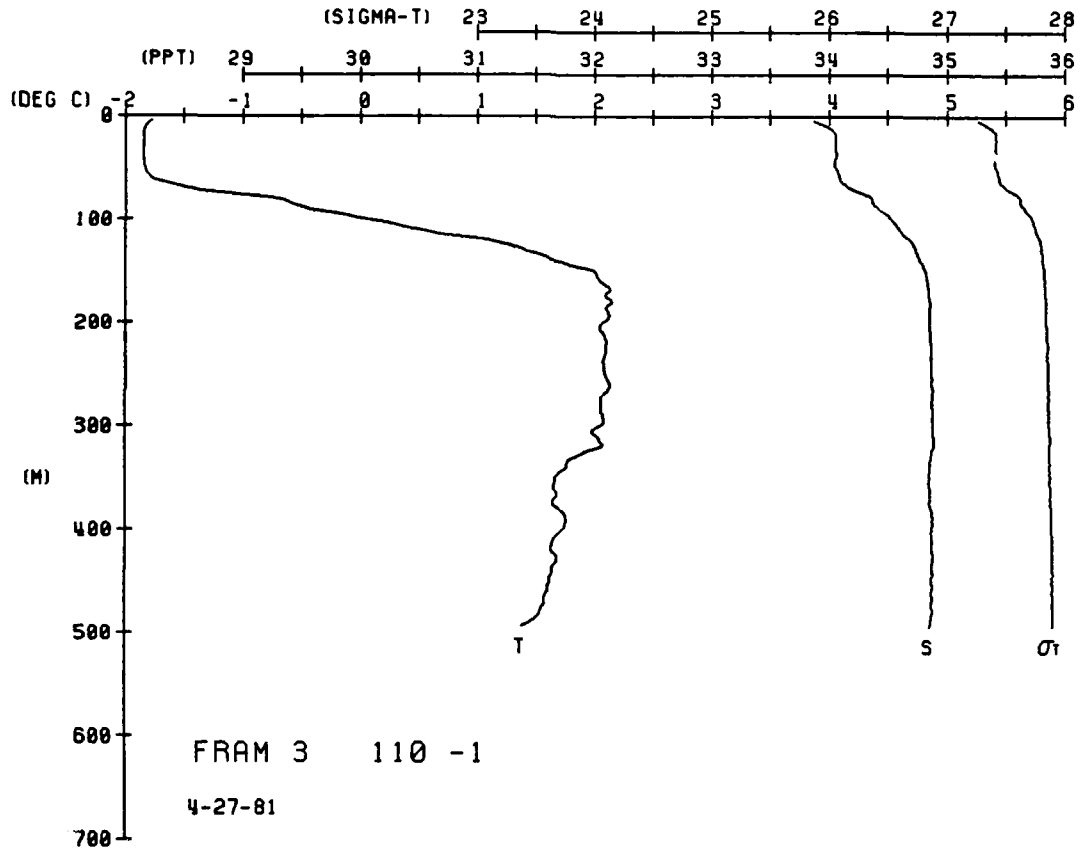

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 109 -1
4-27-81
T
S
σT

FRAM 3 STATION 110(1) CTD 27/APR/1981 1127 GMT CODE = 5
LAT = 81.9515N LNG = 5.6132E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	33.84	27.24	82.2	0.000	1439.5
4.0	-1.76	-1.77	33.84	27.24	82.1	0.003	1439.5
5.0	-1.78	-1.78	33.87	27.26	79.7	0.004	1439.5
10.0	-1.83	-1.83	33.99	27.36	70.7	0.008	1439.5
15.0	-1.84	-1.84	34.05	27.41	65.8	0.011	1439.6
20.0	-1.84	-1.84	34.06	27.41	65.4	0.015	1439.7
25.0	-1.85	-1.85	34.06	27.42	65.2	0.018	1439.8
30.0	-1.84	-1.84	34.06	27.42	64.9	0.021	1439.9
35.0	-1.85	-1.85	34.06	27.42	64.6	0.025	1440.0
40.0	-1.84	-1.84	34.06	27.42	64.9	0.028	1440.1
45.0	-1.84	-1.84	34.05	27.41	65.9	0.031	1440.1
50.0	-1.83	-1.83	34.06	27.42	64.8	0.034	1440.3
55.0	-1.81	-1.81	34.08	27.44	63.2	0.038	1440.5
60.0	-1.77	-1.77	34.10	27.44	62.2	0.041	1440.8
65.0	-1.65	-1.65	34.13	27.47	60.2	0.044	1441.5
70.0	-1.46	-1.46	34.19	27.51	55.8	0.047	1442.6
75.0	-1.11	-1.11	34.30	27.59	48.5	0.050	1444.4
80.0	-0.71	-0.71	34.37	27.63	45.1	0.052	1446.5
85.0	-0.58	-0.58	34.39	27.64	44.0	0.054	1447.2
90.0	-0.42	-0.42	34.44	27.67	40.9	0.056	1448.1
95.0	-0.16	-0.17	34.49	27.71	37.7	0.058	1449.4
100.0	0.08	0.07	34.54	27.73	35.7	0.060	1450.7
110.0	0.51	0.51	34.61	27.76	32.4	0.064	1452.9
120.0	1.11	1.10	34.70	27.80	29.3	0.067	1455.9
130.0	1.43	1.42	34.74	27.81	28.6	0.070	1457.5
140.0	1.70	1.69	34.78	27.82	27.6	0.072	1458.9
150.0	2.01	2.00	34.82	27.83	26.9	0.075	1460.5
160.0	2.06	2.05	34.84	27.84	26.2	0.078	1461.0
170.0	2.12	2.11	34.85	27.84	26.2	0.081	1461.4
180.0	2.14	2.13	34.86	27.85	25.1	0.083	1461.7
190.0	2.13	2.11	34.86	27.85	25.5	0.086	1461.8
200.0	2.06	2.05	34.86	27.85	25.2	0.088	1461.7
210.0	2.08	2.07	34.86	27.86	24.8	0.091	1461.9
220.0	2.10	2.09	34.87	27.86	24.5	0.093	1462.2
230.0	2.09	2.08	34.87	27.86	24.6	0.096	1462.3
240.0	2.08	2.07	34.87	27.86	24.4	0.098	1462.4
250.0	2.10	2.09	34.88	27.86	24.3	0.101	1462.7
260.0	2.13	2.11	34.88	27.86	24.3	0.103	1462.9
270.0	2.06	2.05	34.88	27.87	24.0	0.106	1462.8
280.0	2.06	2.04	34.88	27.87	23.6	0.108	1463.0
290.0	2.08	2.06	34.89	27.88	23.4	0.110	1463.2
300.0	2.04	2.02	34.89	27.88	23.2	0.113	1463.2
310.0	2.03	2.01	34.89	27.88	22.7	0.115	1463.4
320.0	2.04	2.03	34.89	27.88	23.4	0.117	1463.6
330.0	1.82	1.80	34.87	27.88	22.7	0.120	1462.7
340.0	1.76	1.74	34.86	27.88	22.7	0.122	1462.6
350.0	1.67	1.65	34.86	27.89	22.3	0.124	1462.4
360.0	1.66	1.64	34.86	27.89	22.3	0.127	1462.5
370.0	1.65	1.63	34.86	27.89	22.0	0.129	1462.7
380.0	1.71	1.69	34.88	27.90	21.6	0.131	1463.1
390.0	1.76	1.74	34.88	27.90	21.6	0.133	1463.5
400.0	1.72	1.70	34.88	27.90	21.6	0.135	1463.5
410.0	1.65	1.63	34.88	27.90	21.1	0.138	1463.3
420.0	1.64	1.62	34.88	27.90	20.8	0.140	1463.5
430.0	1.67	1.65	34.88	27.90	20.9	0.142	1463.8
440.0	1.64	1.62	34.88	27.90	21.1	0.144	1463.8
450.0	1.62	1.60	34.88	27.90	20.9	0.146	1463.9
460.0	1.60	1.57	34.88	27.91	20.8	0.148	1463.9
470.0	1.58	1.55	34.88	27.91	20.4	0.150	1464.0
480.0	1.53	1.51	34.88	27.91	20.0	0.152	1464.0
490.0	1.44	1.41	34.87	27.91	20.3	0.154	1463.7
494.1	1.38	1.35	34.87	27.91	20.2	0.155	1463.5

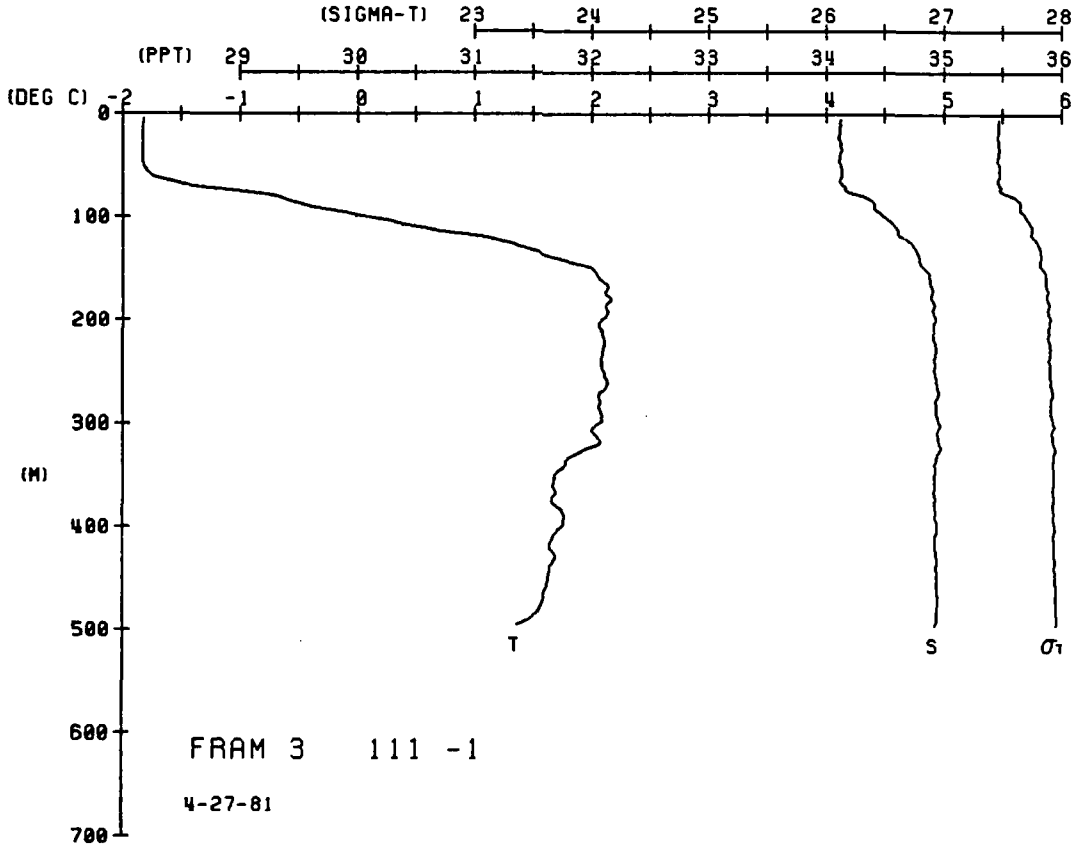
FRAM 3 STATION 111(1) CTD 27/APR/1981 1129 GMT CODE = 5
LAT = 81.9515N LNG = 5.6132E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	34.13	27.47	60.2	0.000	1439.6
4.0	-1.82	-1.82	34.13	27.47	60.1	0.002	1439.7
5.0	-1.82	-1.82	34.12	27.47	60.2	0.003	1439.7
10.0	-1.82	-1.82	34.12	27.47	60.4	0.006	1439.8
15.0	-1.83	-1.83	34.12	27.47	60.3	0.009	1439.8
20.0	-1.83	-1.83	34.11	27.46	60.9	0.012	1439.9
25.0	-1.83	-1.83	34.12	27.47	60.3	0.015	1440.0
30.0	-1.83	-1.83	34.13	27.47	59.9	0.018	1440.1
35.0	-1.83	-1.83	34.13	27.48	59.5	0.021	1440.1
40.0	-1.83	-1.83	34.12	27.47	60.3	0.024	1440.2
45.0	-1.83	-1.83	34.12	27.46	60.7	0.027	1440.3
50.0	-1.82	-1.82	34.13	27.47	59.5	0.030	1440.4
55.0	-1.79	-1.79	34.13	27.48	59.4	0.033	1440.7
60.0	-1.75	-1.75	34.14	27.48	59.1	0.036	1441.0
65.0	-1.62	-1.62	34.12	27.46	60.6	0.039	1441.6
70.0	-1.40	-1.40	34.16	27.49	58.2	0.042	1442.8
75.0	-1.01	-1.01	34.19	27.49	57.6	0.045	1444.8
80.0	-0.69	-0.69	34.34	27.60	47.5	0.048	1446.5
85.0	-0.55	-0.55	34.41	27.66	42.4	0.050	1447.3
90.0	-0.39	-0.39	34.42	27.65	42.6	0.052	1448.2
95.0	-0.14	-0.15	34.46	27.67	40.8	0.055	1449.5
100.0	0.10	0.09	34.51	27.71	37.5	0.057	1450.7
110.0	0.53	0.52	34.61	27.76	33.0	0.060	1453.0
120.0	1.12	1.11	34.67	27.78	31.6	0.063	1455.9
130.0	1.45	1.44	34.76	27.82	27.3	0.066	1457.7
140.0	1.71	1.70	34.80	27.83	26.7	0.069	1459.0
150.0	2.02	2.01	34.85	27.85	24.8	0.072	1460.6
160.0	2.08	2.07	34.88	27.87	23.0	0.074	1461.1
170.0	2.13	2.12	34.91	27.89	21.3	0.076	1461.5
180.0	2.16	2.15	34.91	27.89	21.5	0.079	1461.8
190.0	2.14	2.13	34.91	27.89	21.5	0.081	1461.9
200.0	2.08	2.07	34.93	27.91	20.1	0.083	1461.8
210.0	2.09	2.08	34.92	27.90	21.0	0.085	1462.0
220.0	2.12	2.10	34.93	27.91	20.0	0.087	1462.3
230.0	2.10	2.09	34.94	27.91	19.4	0.089	1462.4
240.0	2.09	2.08	34.93	27.91	20.0	0.091	1462.5
250.0	2.11	2.10	34.93	27.91	20.0	0.093	1462.8
260.0	2.14	2.13	34.94	27.92	19.4	0.095	1463.1
270.0	2.07	2.06	34.96	27.93	17.7	0.097	1463.0
280.0	2.07	2.05	34.94	27.92	19.4	0.099	1463.1
290.0	2.09	2.07	34.94	27.92	19.1	0.101	1463.4
300.0	2.06	2.04	34.97	27.94	17.1	0.102	1463.5
310.0	2.04	2.02	34.95	27.93	18.2	0.104	1463.5
320.0	2.05	2.04	34.97	27.94	17.0	0.106	1463.8
330.0	1.85	1.83	34.95	27.94	17.0	0.108	1463.0
340.0	1.77	1.75	34.93	27.93	17.9	0.110	1462.8
350.0	1.68	1.67	34.93	27.94	17.3	0.111	1462.6
360.0	1.67	1.66	34.92	27.94	17.6	0.113	1462.7
370.0	1.67	1.65	34.93	27.94	17.1	0.115	1462.8
380.0	1.71	1.69	34.93	27.94	17.9	0.117	1463.2
390.0	1.77	1.75	34.94	27.94	17.6	0.118	1463.6
400.0	1.74	1.72	34.95	27.95	16.3	0.120	1463.7
410.0	1.67	1.65	34.93	27.94	17.2	0.122	1463.5
420.0	1.65	1.63	34.94	27.95	16.7	0.124	1463.6
430.0	1.69	1.67	34.95	27.96	16.1	0.125	1463.9
440.0	1.65	1.63	34.94	27.95	16.4	0.127	1463.9
450.0	1.63	1.61	34.95	27.96	15.9	0.129	1464.0
460.0	1.61	1.58	34.95	27.96	15.6	0.130	1464.1
470.0	1.59	1.56	34.95	27.97	15.1	0.132	1464.2
480.0	1.55	1.52	34.95	27.96	15.4	0.133	1464.1
490.0	1.45	1.43	34.95	27.97	14.4	0.135	1463.9
496.0	1.35	1.32	34.92	27.96	15.4	0.136	1463.5



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4-27-81

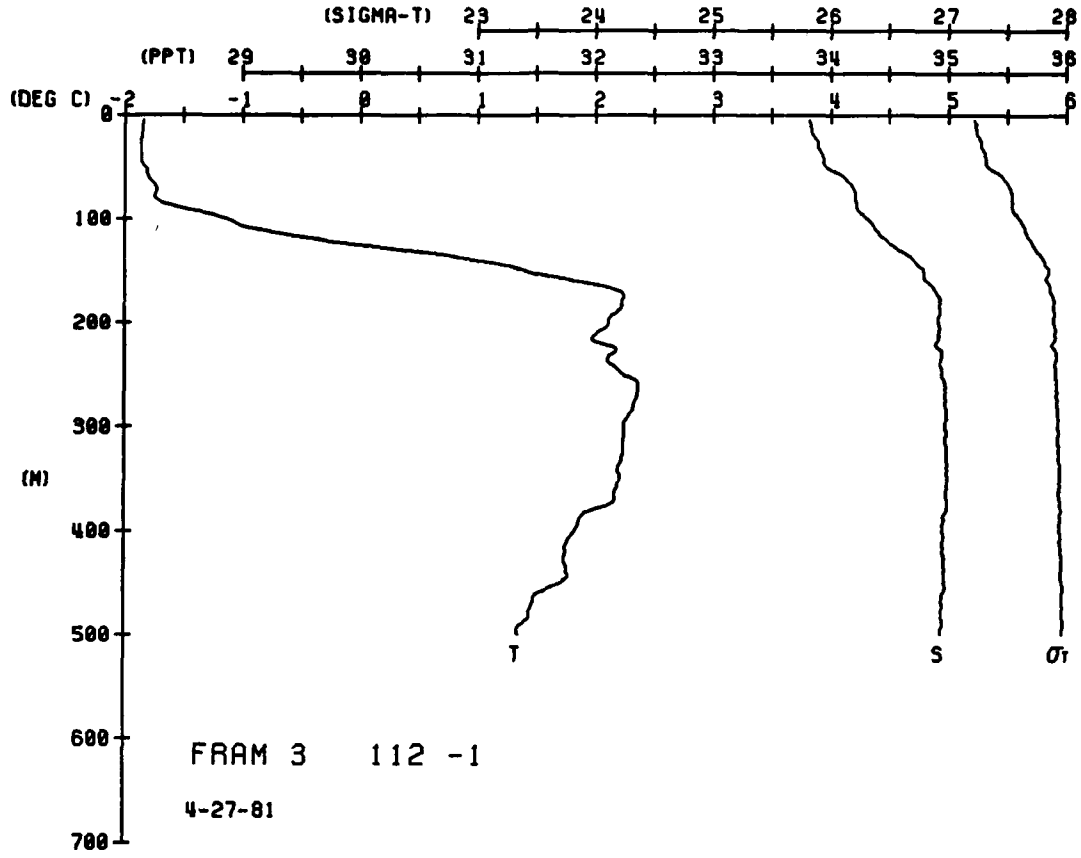


FRAM 3 111 -1

4-27-81

FRAM 3 STATION 112(1) CTD 27/APR/1981 1409 GMT CODE = 5
LAT = 82.3083N LNG = 3.5083E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	33.81	27.21	84.6	0.000	1439.0
4.0	-1.85	-1.85	33.81	27.21	84.6	0.003	1439.1
5.0	-1.85	-1.85	33.81	27.22	84.1	0.004	1439.1
10.0	-1.85	-1.85	33.84	27.24	82.2	0.008	1439.2
15.0	-1.85	-1.85	33.84	27.24	81.9	0.013	1439.3
20.0	-1.85	-1.85	33.86	27.26	80.4	0.017	1439.4
25.0	-1.86	-1.86	33.89	27.28	77.9	0.021	1439.5
30.0	-1.86	-1.86	33.90	27.28	77.6	0.025	1439.6
35.0	-1.86	-1.86	33.92	27.31	75.5	0.029	1439.7
40.0	-1.86	-1.86	33.94	27.32	74.3	0.032	1439.8
45.0	-1.85	-1.85	33.94	27.32	73.8	0.036	1439.9
50.0	-1.82	-1.82	33.97	27.34	72.2	0.040	1440.2
55.0	-1.81	-1.81	34.06	27.42	65.0	0.043	1440.5
60.0	-1.79	-1.79	34.12	27.47	60.2	0.046	1440.7
65.0	-1.76	-1.76	34.16	27.50	56.9	0.049	1441.0
70.0	-1.73	-1.73	34.20	27.53	54.5	0.052	1441.3
75.0	-1.74	-1.74	34.21	27.54	53.2	0.055	1441.3
80.0	-1.74	-1.74	34.21	27.54	53.5	0.058	1441.4
85.0	-1.67	-1.67	34.22	27.54	53.1	0.060	1441.9
90.0	-1.50	-1.50	34.23	27.54	52.7	0.063	1442.8
95.0	-1.29	-1.29	34.27	27.57	49.9	0.066	1443.9
100.0	-1.13	-1.13	34.33	27.62	46.0	0.068	1444.8
110.0	-0.88	-0.88	34.39	27.66	42.3	0.072	1446.2
120.0	-0.35	-0.35	34.48	27.70	37.9	0.076	1449.0
130.0	0.36	0.36	34.59	27.76	33.3	0.080	1452.5
140.0	1.00	1.00	34.72	27.82	27.3	0.083	1455.8
150.0	1.41	1.40	34.80	27.85	24.3	0.086	1457.9
160.0	1.87	1.86	34.84	27.85	24.9	0.088	1460.1
170.0	2.22	2.21	34.90	27.88	22.8	0.091	1461.9
180.0	2.23	2.22	34.94	27.90	20.4	0.093	1462.2
190.0	2.19	2.18	34.94	27.91	19.9	0.095	1462.1
200.0	2.12	2.11	34.93	27.91	20.1	0.097	1462.0
210.0	2.02	2.00	34.93	27.91	19.4	0.099	1461.7
220.0	2.07	2.06	34.90	27.89	21.7	0.101	1462.1
230.0	2.14	2.13	34.96	27.93	18.2	0.103	1462.6
240.0	2.15	2.13	34.94	27.91	19.5	0.105	1462.8
250.0	2.25	2.23	34.96	27.92	19.2	0.107	1463.4
260.0	2.37	2.35	34.98	27.93	18.4	0.109	1464.2
270.0	2.36	2.35	34.98	27.93	18.4	0.111	1464.3
280.0	2.34	2.32	34.99	27.94	17.7	0.112	1464.3
290.0	2.29	2.27	34.99	27.94	17.1	0.114	1464.3
300.0	2.25	2.23	34.99	27.94	17.4	0.116	1464.3
310.0	2.25	2.23	34.99	27.94	17.3	0.118	1464.5
320.0	2.24	2.22	34.99	27.95	17.1	0.119	1464.6
330.0	2.23	2.21	35.00	27.95	16.8	0.121	1464.7
340.0	2.20	2.18	35.00	27.96	16.2	0.123	1464.7
350.0	2.21	2.19	35.00	27.95	16.4	0.124	1465.0
360.0	2.18	2.16	35.00	27.96	16.3	0.126	1465.0
370.0	2.17	2.15	35.01	27.96	15.6	0.128	1465.1
380.0	1.98	1.96	35.00	27.97	14.5	0.129	1464.5
390.0	1.87	1.85	34.97	27.96	15.6	0.131	1464.1
400.0	1.83	1.81	34.97	27.96	15.9	0.132	1464.1
410.0	1.77	1.75	34.96	27.96	15.8	0.134	1464.0
420.0	1.75	1.73	34.97	27.97	15.2	0.136	1464.1
430.0	1.75	1.72	34.97	27.97	14.9	0.137	1464.2
440.0	1.77	1.75	34.98	27.97	14.5	0.139	1464.5
450.0	1.71	1.69	34.98	27.98	13.9	0.140	1464.4
460.0	1.52	1.49	34.97	27.98	13.6	0.141	1463.7
470.0	1.47	1.45	34.96	27.98	13.3	0.143	1463.7
480.0	1.45	1.42	34.96	27.98	13.7	0.144	1463.7
490.0	1.37	1.35	34.97	27.99	12.5	0.145	1463.6
500.0	1.37	1.34	34.95	27.98	13.8	0.147	1463.7
500.0	1.37	1.34	34.95	27.98	13.8	0.147	1463.7

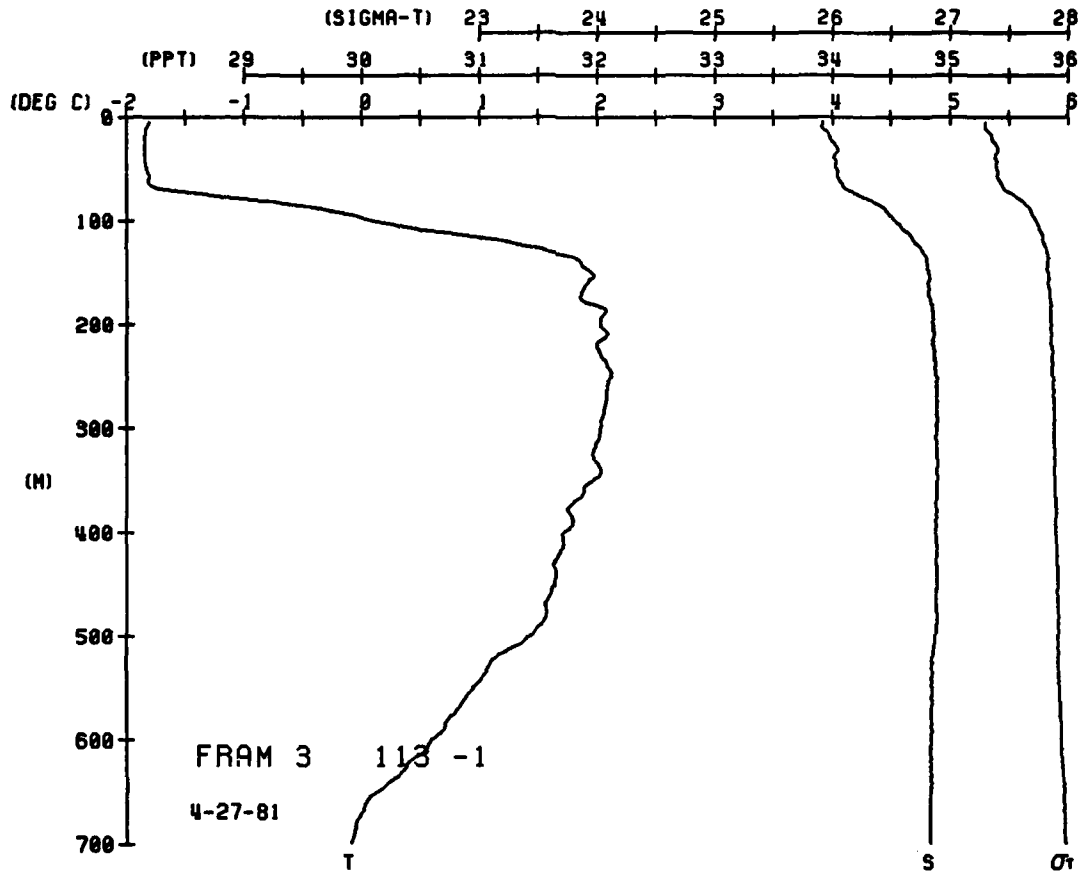


FRAM 3 112 -1

4-27-81

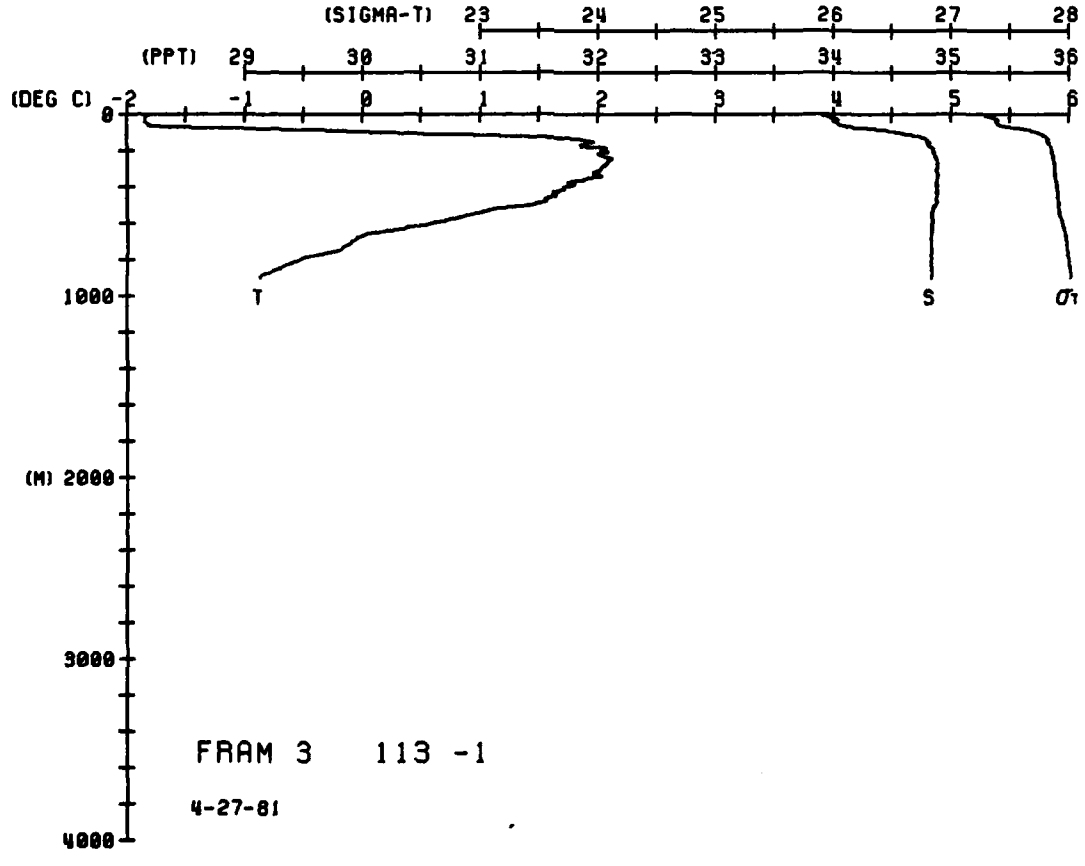
FRAM 3 STATION 113(1) CTD 27/APR/1981 1447 GMT CODE = 5
LAT = 81.9460N LNG = 5.5577E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.92	27.30	76.4	0.000	1439.4
4.0	-1.80	-1.81	33.92	27.30	76.3	0.003	1439.4
5.0	-1.81	-1.81	33.92	27.30	76.4	0.004	1439.5
10.0	-1.83	-1.83	33.91	27.30	76.7	0.008	1439.4
15.0	-1.84	-1.84	33.96	27.34	72.6	0.012	1439.5
20.0	-1.84	-1.84	33.98	27.35	71.2	0.015	1439.6
25.0	-1.84	-1.84	34.02	27.38	68.2	0.019	1439.8
30.0	-1.85	-1.85	34.05	27.41	65.9	0.022	1439.9
35.0	-1.85	-1.85	34.03	27.40	67.0	0.025	1439.9
40.0	-1.85	-1.85	34.02	27.38	68.0	0.029	1440.0
45.0	-1.84	-1.84	34.03	27.39	67.3	0.032	1440.1
50.0	-1.83	-1.83	34.04	27.40	66.6	0.036	1440.3
55.0	-1.81	-1.81	34.04	27.40	66.1	0.039	1440.4
60.0	-1.81	-1.81	34.06	27.42	64.9	0.042	1440.5
65.0	-1.80	-1.80	34.09	27.44	62.9	0.046	1440.7
70.0	-1.68	-1.68	34.13	27.47	60.0	0.049	1441.4
75.0	-1.32	-1.32	34.22	27.53	53.9	0.052	1443.3
80.0	-0.94	-0.94	34.32	27.60	47.9	0.054	1445.3
85.0	-0.52	-0.53	34.40	27.65	42.9	0.056	1447.5
90.0	-0.26	-0.26	34.46	27.69	39.7	0.058	1448.9
95.0	-0.05	-0.06	34.49	27.70	38.3	0.060	1449.9
100.0	0.10	0.10	34.54	27.73	35.6	0.062	1450.8
110.0	0.61	0.61	34.63	27.77	32.0	0.066	1453.4
120.0	1.24	1.23	34.70	27.79	30.5	0.069	1456.5
130.0	1.61	1.61	34.77	27.82	27.5	0.072	1458.4
140.0	1.87	1.86	34.81	27.83	27.1	0.075	1459.7
150.0	1.96	1.95	34.82	27.83	26.6	0.077	1460.3
160.0	1.91	1.90	34.81	27.83	26.9	0.080	1460.2
170.0	1.86	1.85	34.82	27.84	26.1	0.083	1460.2
180.0	1.95	1.94	34.84	27.85	25.1	0.085	1460.8
190.0	2.05	2.04	34.85	27.85	25.3	0.088	1461.4
200.0	2.03	2.02	34.85	27.85	25.2	0.090	1461.5
210.0	2.08	2.07	34.86	27.86	24.8	0.093	1461.9
220.0	2.00	1.99	34.86	27.86	24.4	0.095	1461.7
230.0	2.04	2.03	34.87	27.86	24.1	0.098	1462.1
240.0	2.09	2.08	34.88	27.87	23.9	0.100	1462.5
250.0	2.11	2.10	34.89	27.87	23.6	0.103	1462.7
260.0	2.09	2.08	34.89	27.87	23.4	0.105	1462.8
270.0	2.08	2.06	34.89	27.88	23.2	0.107	1462.9
280.0	2.07	2.05	34.89	27.88	23.1	0.110	1463.0
290.0	2.04	2.02	34.89	27.88	22.8	0.112	1463.1
300.0	2.03	2.01	34.89	27.88	23.0	0.114	1463.2
310.0	2.01	1.99	34.88	27.88	23.2	0.117	1463.3
320.0	1.98	1.96	34.89	27.88	22.8	0.119	1463.3
330.0	1.98	1.96	34.89	27.88	22.6	0.121	1463.5
340.0	2.04	2.02	34.89	27.88	23.2	0.124	1463.9
350.0	1.96	1.94	34.89	27.89	22.4	0.126	1463.7
360.0	1.88	1.87	34.89	27.89	22.2	0.128	1463.6
370.0	1.81	1.79	34.88	27.89	22.0	0.130	1463.4
380.0	1.76	1.74	34.88	27.90	21.4	0.133	1463.4
390.0	1.80	1.78	34.89	27.90	21.6	0.135	1463.7
400.0	1.72	1.70	34.88	27.90	21.4	0.137	1463.5
410.0	1.72	1.69	34.89	27.90	21.0	0.139	1463.6
420.0	1.68	1.65	34.89	27.91	20.7	0.141	1463.6
430.0	1.63	1.61	34.88	27.91	20.8	0.143	1463.6
440.0	1.65	1.63	34.88	27.91	20.7	0.146	1463.9
450.0	1.63	1.61	34.89	27.91	20.6	0.148	1463.9
460.0	1.60	1.58	34.88	27.91	20.7	0.150	1464.0
470.0	1.56	1.53	34.88	27.91	20.5	0.152	1463.9
480.0	1.57	1.54	34.89	27.91	20.1	0.154	1464.1
490.0	1.51	1.48	34.88	27.91	20.2	0.156	1464.0
500.0	1.42	1.40	34.87	27.91	20.1	0.158	1463.8
530.0	1.08	1.05	34.85	27.92	18.9	0.164	1462.7
560.0	0.87	0.84	34.85	27.93	17.9	0.169	1462.3
590.0	0.69	0.67	34.85	27.94	16.6	0.175	1462.0
620.0	0.42	0.39	34.83	27.95	15.5	0.180	1461.3
650.0	0.12	0.10	34.83	27.97	13.4	0.184	1460.4
680.0	-0.05	-0.08	34.83	27.97	12.3	0.188	1460.2
710.0	-0.10	-0.13	34.83	27.98	11.9	0.192	1460.4
740.0	-0.18	-0.21	34.83	27.98	11.4	0.195	1460.6
790.0	-0.49	-0.52	34.83	28.00	9.1	0.200	1460.0
840.0	-0.69	-0.72	34.84	28.01	7.6	0.205	1459.9
890.0	-0.86	-0.89	34.84	28.02	6.2	0.208	1460.0
901.3	-0.87	-0.90	34.85	28.02	5.5	0.209	1460.1



FRAM 3 113 -1

4-27-81

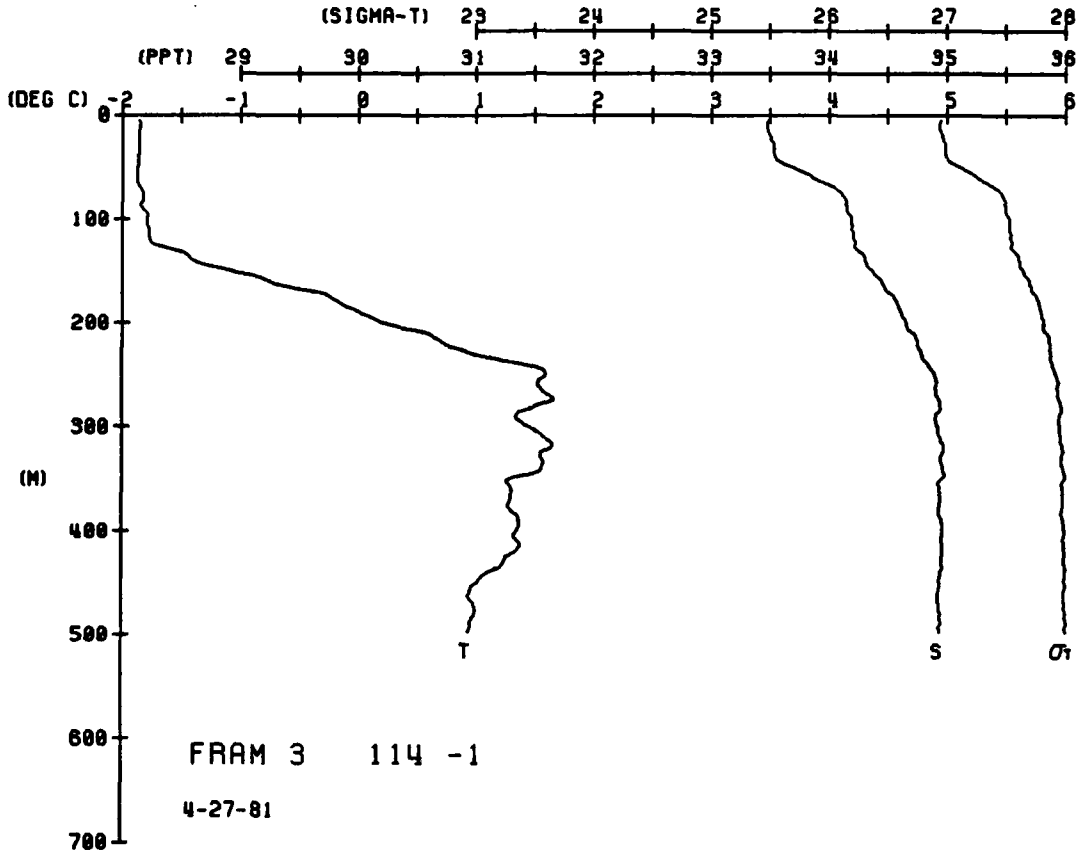


FRAM 3 113 -1

4-27-81

FRAM 3 STATION 114(1) CTD 27/APR/1981 1512 GMT CODE = 5
LAT = 82.3400N LNG = 1.7300E GTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	33.48	26.95	109.7	0.000	1438.5
4.0	-1.86	-1.86	33.48	26.95	109.7	0.004	1438.6
5.0	-1.85	-1.85	33.48	26.95	109.8	0.006	1438.6
10.0	-1.85	-1.85	33.48	26.94	110.2	0.011	1438.7
15.0	-1.86	-1.86	33.49	26.95	109.2	0.017	1438.8
20.0	-1.86	-1.86	33.50	26.97	107.8	0.022	1438.9
25.0	-1.86	-1.86	33.52	26.98	106.8	0.028	1439.0
30.0	-1.86	-1.86	33.53	26.99	105.9	0.033	1439.1
35.0	-1.86	-1.86	33.53	26.98	106.0	0.038	1439.1
40.0	-1.87	-1.87	33.54	27.00	104.7	0.044	1439.2
45.0	-1.87	-1.87	33.59	27.04	101.0	0.049	1439.4
50.0	-1.87	-1.87	33.69	27.12	93.0	0.054	1439.6
55.0	-1.87	-1.87	33.79	27.20	85.4	0.058	1439.8
60.0	-1.87	-1.87	33.87	27.26	79.3	0.062	1440.0
65.0	-1.87	-1.87	33.96	27.33	72.7	0.066	1440.2
70.0	-1.85	-1.85	34.05	27.41	65.4	0.070	1440.5
75.0	-1.83	-1.83	34.11	27.46	60.8	0.073	1440.8
80.0	-1.83	-1.83	34.14	27.48	58.3	0.076	1440.9
85.0	-1.84	-1.84	34.16	27.50	57.2	0.079	1441.0
90.0	-1.82	-1.82	34.16	27.50	56.8	0.082	1441.1
95.0	-1.78	-1.79	34.19	27.52	55.1	0.085	1441.4
100.0	-1.79	-1.79	34.20	27.53	54.0	0.087	1441.5
110.0	-1.77	-1.77	34.20	27.53	53.8	0.093	1441.8
120.0	-1.76	-1.77	34.22	27.55	52.1	0.098	1442.0
130.0	-1.54	-1.55	34.25	27.57	50.2	0.103	1443.2
140.0	-1.40	-1.41	34.32	27.61	46.0	0.108	1444.2
150.0	-1.08	-1.08	34.38	27.65	42.4	0.113	1445.9
160.0	-0.75	-0.76	34.46	27.70	37.7	0.117	1447.7
170.0	-0.36	-0.37	34.51	27.73	35.4	0.120	1449.8
180.0	-0.17	-0.18	34.58	27.78	30.8	0.124	1450.9
190.0	0.01	0.00	34.62	27.80	29.0	0.127	1452.0
200.0	0.21	0.20	34.66	27.82	26.9	0.130	1453.1
210.0	0.60	0.59	34.72	27.85	24.6	0.132	1455.1
220.0	0.74	0.73	34.76	27.87	22.9	0.135	1456.0
230.0	0.99	0.98	34.80	27.89	21.3	0.137	1457.3
240.0	1.42	1.41	34.85	27.90	20.6	0.139	1459.5
250.0	1.60	1.58	34.91	27.93	17.8	0.141	1460.5
260.0	1.53	1.52	34.92	27.94	16.6	0.143	1460.4
270.0	1.64	1.63	34.93	27.94	16.9	0.144	1461.0
280.0	1.52	1.51	34.95	27.97	14.0	0.146	1460.7
290.0	1.35	1.33	34.92	27.96	15.2	0.147	1460.1
300.0	1.46	1.44	34.93	27.96	15.2	0.149	1460.7
310.0	1.59	1.57	34.95	27.97	14.5	0.150	1461.5
320.0	1.64	1.62	34.98	27.98	13.0	0.152	1461.9
330.0	1.56	1.55	34.95	27.97	14.5	0.153	1461.7
340.0	1.57	1.55	34.97	27.98	13.0	0.155	1461.9
350.0	1.28	1.27	34.96	27.99	11.9	0.156	1460.8
360.0	1.31	1.29	34.94	27.98	13.5	0.157	1461.1
370.0	1.30	1.28	34.96	27.99	12.2	0.158	1461.2
380.0	1.31	1.29	34.94	27.98	13.5	0.160	1461.4
390.0	1.38	1.35	34.96	27.99	12.3	0.161	1461.9
400.0	1.35	1.33	34.97	28.00	11.4	0.162	1462.0
410.0	1.37	1.35	34.97	27.99	12.2	0.163	1462.2
420.0	1.34	1.32	34.97	28.00	11.4	0.165	1462.3
430.0	1.25	1.22	34.96	28.00	11.6	0.166	1462.0
440.0	1.12	1.09	34.96	28.00	10.9	0.167	1461.6
450.0	1.01	0.99	34.95	28.00	10.9	0.168	1461.3
460.0	0.95	0.93	34.93	28.00	11.6	0.169	1461.2
470.0	0.99	0.96	34.94	28.00	11.4	0.170	1461.5
480.0	0.99	0.97	34.95	28.01	10.5	0.171	1461.7
490.0	0.95	0.93	34.96	28.01	10.1	0.173	1461.7
498.0	0.94	0.92	34.96	28.01	10.0	0.173	1461.8

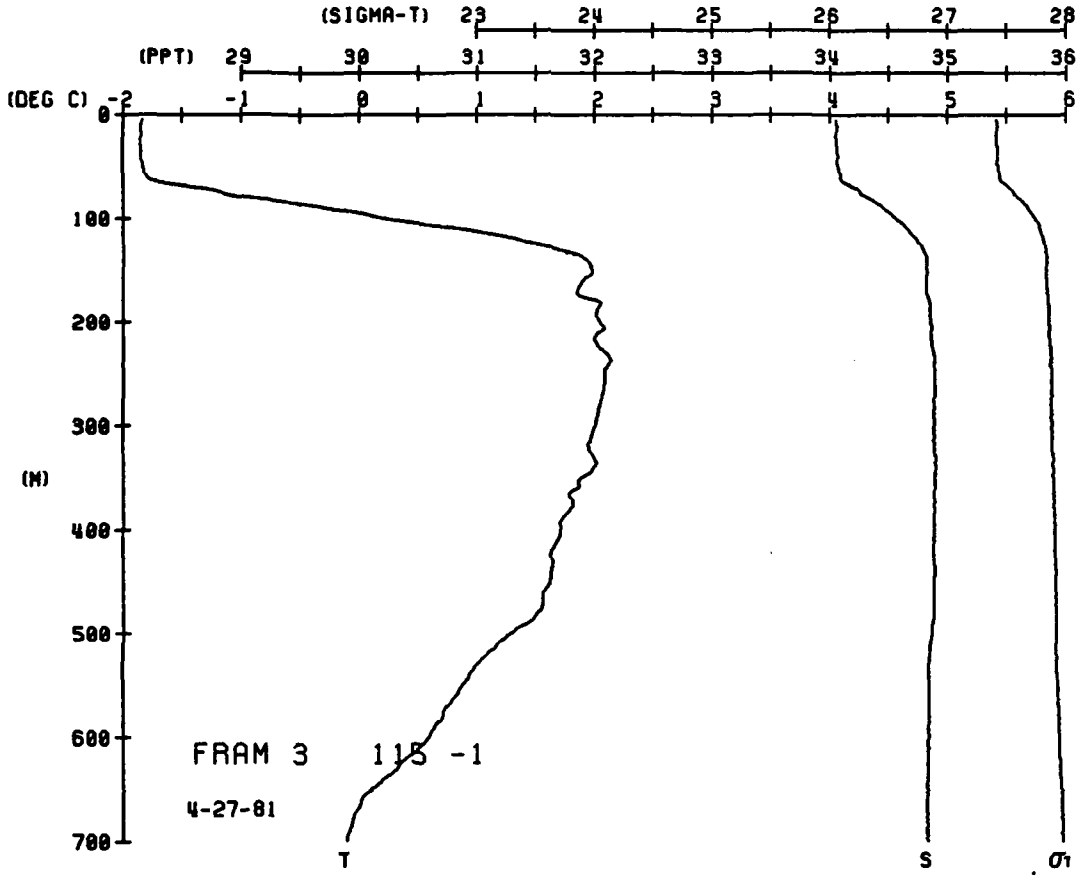


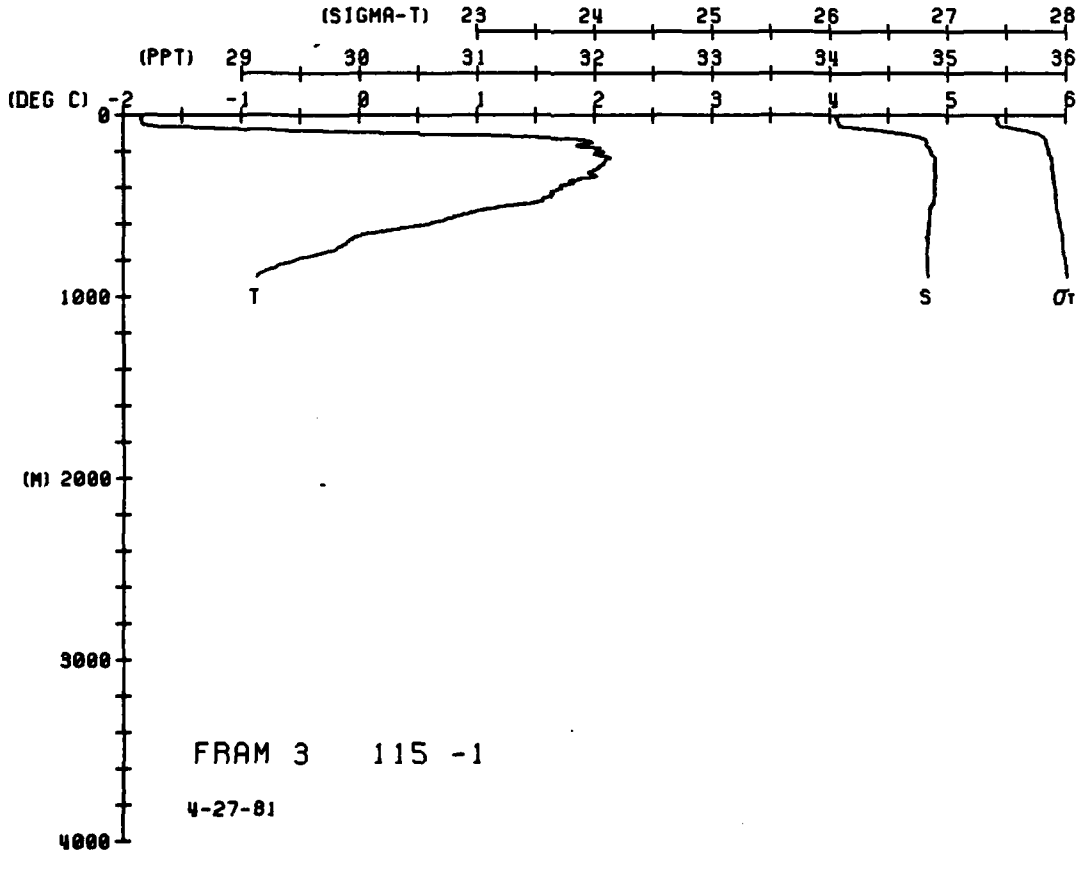
FRAM 3 114 -1

4-27-81

FRAM 3 STATION 115(1) CTD 27/APR/1981 1518 GMT CODE = 5
LAT = 81.9455N LNG = 5.5565E LTER = 30. LGER = 30.
AIR TEMP = 0.0 HARUM = 0.0 WIND = 0.0 SPEED = 0.0

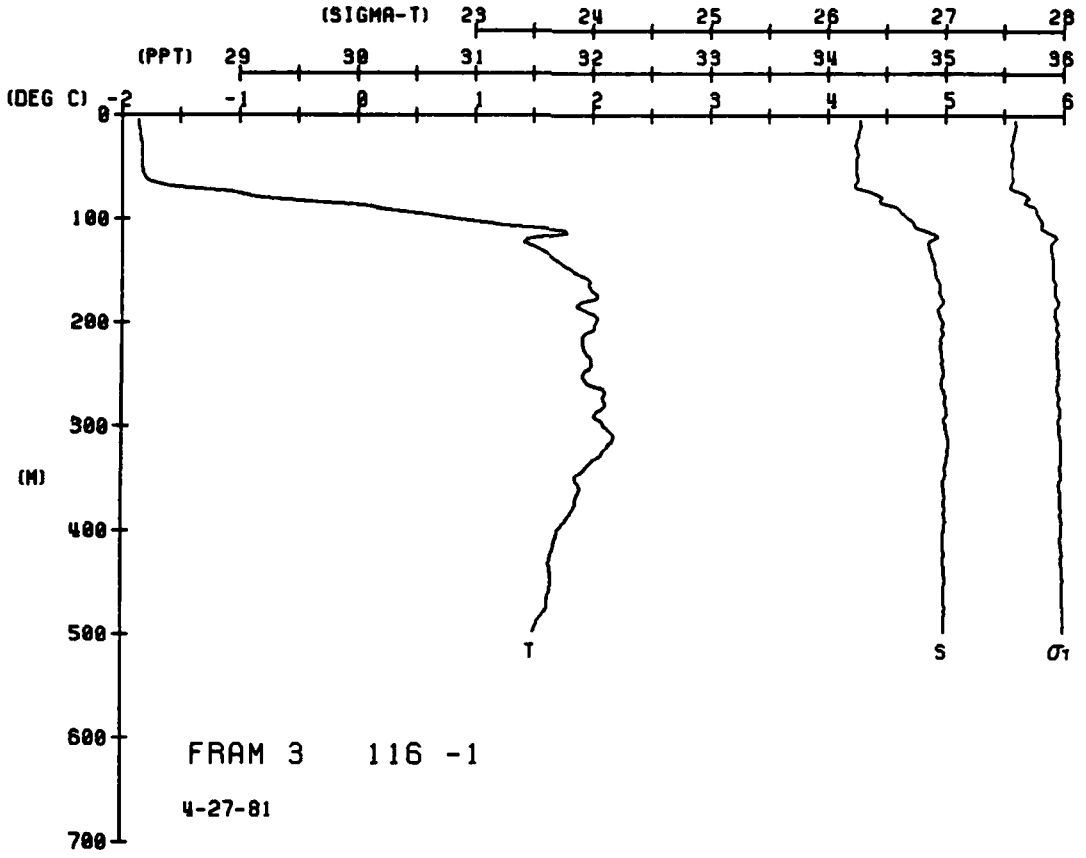
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	34.05	27.41	66.1	0.000	1439.4
4.0	-1.83	-1.83	34.05	27.41	66.0	0.003	1439.5
5.0	-1.84	-1.84	34.06	27.41	65.6	0.003	1439.5
10.0	-1.85	-1.85	34.07	27.42	64.5	0.007	1439.6
15.0	-1.85	-1.85	34.06	27.42	64.8	0.010	1439.6
20.0	-1.85	-1.85	34.06	27.42	65.0	0.013	1439.7
25.0	-1.85	-1.85	34.06	27.42	64.8	0.016	1439.8
30.0	-1.85	-1.85	34.07	27.42	64.4	0.020	1439.9
35.0	-1.85	-1.85	34.07	27.43	63.8	0.023	1440.0
40.0	-1.85	-1.85	34.08	27.43	63.5	0.026	1440.1
45.0	-1.84	-1.84	34.07	27.43	64.0	0.029	1440.2
50.0	-1.83	-1.83	34.08	27.44	63.0	0.033	1440.3
55.0	-1.82	-1.82	34.09	27.44	62.5	0.036	1440.5
60.0	-1.79	-1.79	34.10	27.45	62.1	0.039	1440.7
65.0	-1.69	-1.69	34.13	27.47	59.7	0.042	1441.3
70.0	-1.37	-1.37	34.21	27.53	54.3	0.045	1443.0
75.0	-1.16	-1.16	34.26	27.56	51.1	0.048	1444.1
80.0	-0.96	-0.96	34.32	27.60	47.8	0.050	1445.2
85.0	-0.55	-0.55	34.40	27.65	43.1	0.052	1447.4
90.0	-0.25	-0.25	34.47	27.69	39.5	0.054	1448.9
95.0	0.01	0.01	34.52	27.72	36.4	0.056	1450.3
100.0	0.21	0.21	34.57	27.75	34.1	0.058	1451.3
110.0	0.85	0.85	34.66	27.78	30.6	0.061	1454.5
120.0	1.34	1.34	34.74	27.81	28.2	0.064	1457.0
130.0	1.73	1.72	34.80	27.83	26.8	0.067	1458.9
140.0	1.94	1.93	34.82	27.84	26.3	0.070	1460.1
150.0	1.99	1.98	34.83	27.84	26.3	0.073	1460.5
160.0	1.90	1.89	34.82	27.84	26.1	0.075	1460.2
170.0	1.86	1.85	34.83	27.84	25.7	0.078	1460.2
180.0	2.05	2.04	34.85	27.85	25.2	0.080	1461.2
190.0	2.02	2.01	34.85	27.85	25.0	0.083	1461.3
200.0	2.06	2.05	34.86	27.86	24.5	0.085	1461.6
210.0	2.04	2.03	34.86	27.86	24.4	0.088	1461.7
220.0	2.02	2.01	34.87	27.87	23.8	0.090	1461.8
230.0	2.12	2.10	34.89	27.87	23.3	0.093	1462.4
240.0	2.13	2.11	34.89	27.88	23.2	0.095	1462.6
250.0	2.09	2.08	34.89	27.88	22.9	0.097	1462.6
260.0	2.08	2.07	34.90	27.88	22.5	0.100	1462.8
270.0	2.07	2.05	34.90	27.88	22.5	0.102	1462.9
280.0	2.05	2.03	34.89	27.88	22.7	0.104	1463.0
290.0	2.03	2.02	34.89	27.88	22.7	0.107	1463.1
300.0	2.01	1.99	34.89	27.88	22.5	0.109	1463.1
310.0	1.98	1.96	34.89	27.89	22.2	0.111	1463.2
320.0	1.96	1.94	34.89	27.89	22.3	0.113	1463.2
330.0	2.00	1.98	34.90	27.89	21.8	0.116	1463.6
340.0	1.99	1.97	34.90	27.89	21.7	0.118	1463.7
350.0	1.88	1.86	34.89	27.90	21.6	0.120	1463.4
360.0	1.85	1.83	34.89	27.90	21.5	0.122	1463.4
370.0	1.81	1.79	34.89	27.90	21.3	0.124	1463.4
380.0	1.80	1.77	34.89	27.90	21.2	0.126	1463.5
390.0	1.72	1.70	34.88	27.90	21.0	0.129	1463.3
400.0	1.72	1.69	34.90	27.91	20.3	0.131	1463.5
410.0	1.69	1.66	34.89	27.91	20.3	0.133	1463.5
420.0	1.64	1.62	34.89	27.91	20.3	0.135	1463.5
430.0	1.65	1.63	34.89	27.91	20.4	0.137	1463.7
440.0	1.63	1.61	34.90	27.92	19.7	0.139	1463.8
450.0	1.62	1.59	34.89	27.91	20.2	0.141	1463.9
460.0	1.57	1.54	34.89	27.91	20.0	0.143	1463.8
470.0	1.56	1.53	34.89	27.92	19.9	0.145	1464.0
480.0	1.51	1.49	34.89	27.92	19.7	0.147	1463.9
490.0	1.43	1.40	34.87	27.91	19.8	0.149	1463.7
500.0	1.28	1.26	34.87	27.92	19.2	0.151	1463.2
530.0	1.00	0.97	34.85	27.93	18.3	0.157	1462.4
560.0	0.82	0.79	34.85	27.94	17.3	0.162	1462.1
590.0	0.63	0.60	34.84	27.94	16.2	0.167	1461.8
620.0	0.39	0.37	34.84	27.95	14.9	0.172	1461.2
650.0	0.10	0.08	34.84	27.97	12.9	0.176	1460.4
680.0	-0.05	-0.08	34.84	27.98	12.0	0.180	1460.2
710.0	-0.12	-0.15	34.84	27.98	11.5	0.183	1460.3
740.0	-0.19	-0.23	34.83	27.98	11.1	0.187	1460.5
790.0	-0.51	-0.54	34.84	28.00	8.7	0.192	1459.9
840.0	-0.71	-0.74	34.84	28.01	7.3	0.196	1459.8
890.0	-0.86	-0.90	34.84	28.02	6.1	0.199	1459.9
895.4	-0.87	-0.90	34.84	28.02	5.9	0.200	1460.0


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
T
S
σT
FRAM 3 115 -1
4-27-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 115 -1
4-27-81

FRAM 3 STATION 116(1) CTD 27/APR/1981 1631 GMT CODE = 5
LAT = 81.6617N LNG = 1.8100E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.27	27.59	49.0	0.000	1439.6
4.0	-1.86	-1.86	34.27	27.59	48.9	0.002	1439.7
5.0	-1.86	-1.86	34.27	27.59	48.8	0.002	1439.7
10.0	-1.85	-1.85	34.28	27.60	48.1	0.005	1439.8
15.0	-1.85	-1.85	34.27	27.59	48.9	0.007	1439.9
20.0	-1.84	-1.84	34.26	27.58	49.7	0.010	1440.0
25.0	-1.83	-1.83	34.25	27.57	50.7	0.012	1440.1
30.0	-1.83	-1.83	34.24	27.56	51.1	0.015	1440.2
35.0	-1.83	-1.83	34.25	27.58	50.0	0.018	1440.3
40.0	-1.83	-1.83	34.25	27.58	50.0	0.020	1440.4
45.0	-1.83	-1.83	34.24	27.56	51.0	0.023	1440.5
50.0	-1.83	-1.83	34.24	27.57	50.8	0.025	1440.6
55.0	-1.82	-1.82	34.25	27.57	50.5	0.028	1440.7
60.0	-1.80	-1.80	34.25	27.58	49.9	0.030	1440.9
65.0	-1.73	-1.73	34.25	27.57	50.7	0.033	1441.3
70.0	-1.45	-1.45	34.25	27.56	51.1	0.035	1442.7
75.0	-1.02	-1.02	34.39	27.66	41.9	0.038	1445.0
80.0	-0.79	-0.79	34.46	27.71	37.6	0.040	1446.2
85.0	-0.16	-0.17	34.47	27.69	39.4	0.042	1449.2
90.0	0.21	0.21	34.61	27.78	30.8	0.043	1451.2
95.0	0.53	0.52	34.64	27.79	30.3	0.045	1452.8
100.0	0.85	0.85	34.70	27.82	27.7	0.046	1454.4
110.0	1.67	1.66	34.80	27.84	26.0	0.049	1458.4
120.0	1.44	1.43	34.90	27.93	16.9	0.051	1457.6
130.0	1.57	1.57	34.88	27.91	19.4	0.053	1458.4
140.0	1.70	1.69	34.91	27.92	18.3	0.055	1459.1
150.0	1.83	1.82	34.92	27.92	18.5	0.057	1459.9
160.0	1.98	1.98	34.95	27.94	17.0	0.059	1460.8
170.0	2.01	2.00	34.96	27.94	17.0	0.061	1461.1
180.0	1.93	1.92	34.99	27.97	14.1	0.062	1460.9
190.0	1.98	1.97	34.95	27.93	17.3	0.064	1461.3
200.0	2.03	2.02	34.99	27.96	14.9	0.065	1461.7
210.0	1.95	1.94	34.99	27.97	14.3	0.067	1461.5
220.0	1.92	1.91	34.97	27.95	15.6	0.068	1461.5
230.0	1.96	1.94	34.97	27.95	15.9	0.070	1461.8
240.0	2.00	1.98	34.98	27.96	15.5	0.071	1462.2
250.0	1.92	1.91	34.99	27.97	14.4	0.073	1462.0
260.0	1.99	1.98	34.97	27.95	16.1	0.075	1462.5
270.0	2.11	2.09	35.01	27.97	14.4	0.076	1463.2
280.0	2.11	2.09	35.01	27.97	14.1	0.078	1463.4
290.0	2.02	2.01	35.01	27.98	13.9	0.079	1463.2
300.0	2.11	2.09	35.01	27.97	14.3	0.080	1463.7
310.0	2.18	2.17	35.03	27.98	13.5	0.082	1464.2
320.0	2.12	2.10	35.03	27.99	13.1	0.083	1464.1
330.0	2.04	2.02	35.02	27.99	13.1	0.084	1463.9
340.0	1.95	1.93	35.00	27.98	13.7	0.086	1463.7
350.0	1.86	1.84	35.00	27.98	13.2	0.087	1463.4
360.0	1.90	1.88	35.01	27.98	13.3	0.089	1463.8
370.0	1.87	1.85	35.01	27.99	13.1	0.090	1463.8
380.0	1.84	1.82	35.01	27.99	12.6	0.091	1463.9
390.0	1.78	1.76	35.01	28.00	11.8	0.092	1463.8
400.0	1.71	1.69	35.00	28.00	12.3	0.094	1463.6
410.0	1.69	1.66	34.99	27.99	12.7	0.095	1463.7
420.0	1.66	1.64	35.00	28.00	11.8	0.096	1463.7
430.0	1.64	1.62	35.00	28.00	12.1	0.097	1463.8
440.0	1.65	1.63	35.01	28.00	11.5	0.099	1464.0
450.0	1.65	1.63	35.01	28.01	11.4	0.100	1464.2
460.0	1.64	1.61	35.00	28.00	11.9	0.101	1464.3
470.0	1.63	1.60	35.01	28.00	11.6	0.102	1464.4
480.0	1.59	1.56	35.01	28.01	11.1	0.103	1464.4
490.0	1.53	1.50	35.00	28.01	11.2	0.104	1464.3
497.0	1.51	1.48	35.01	28.01	10.7	0.105	1464.3

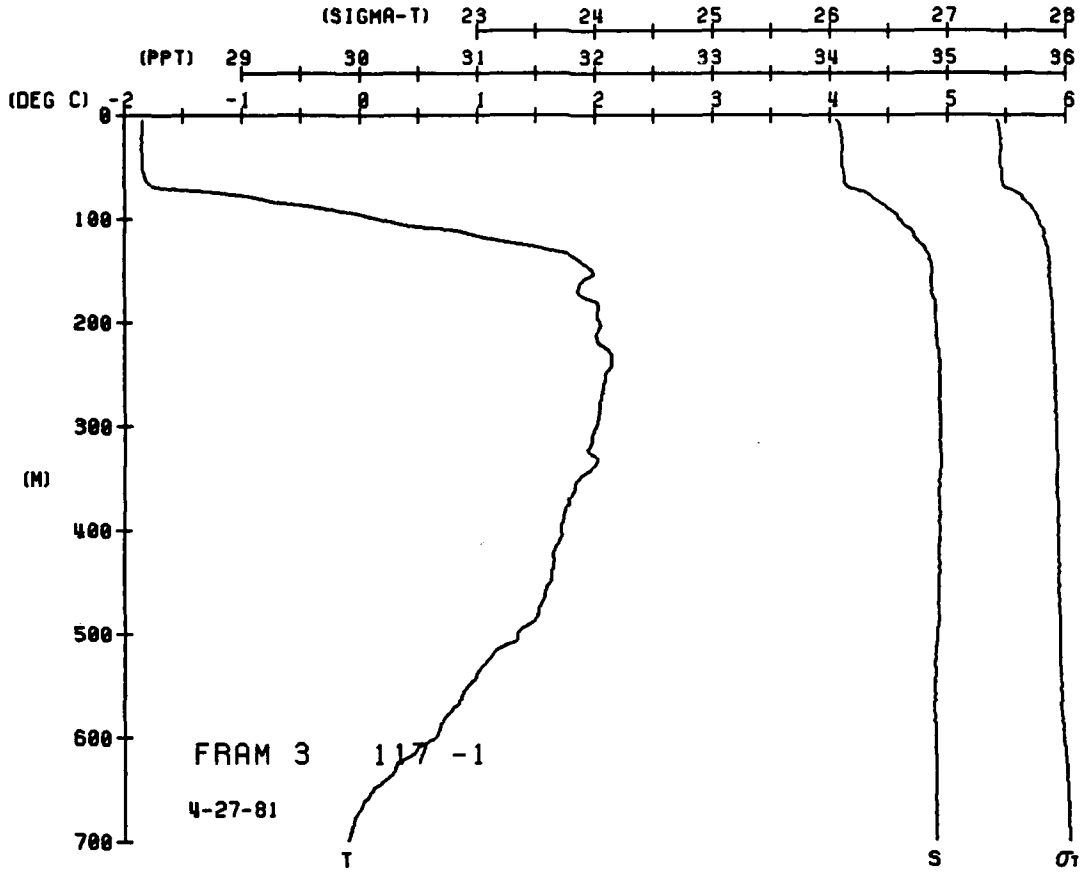


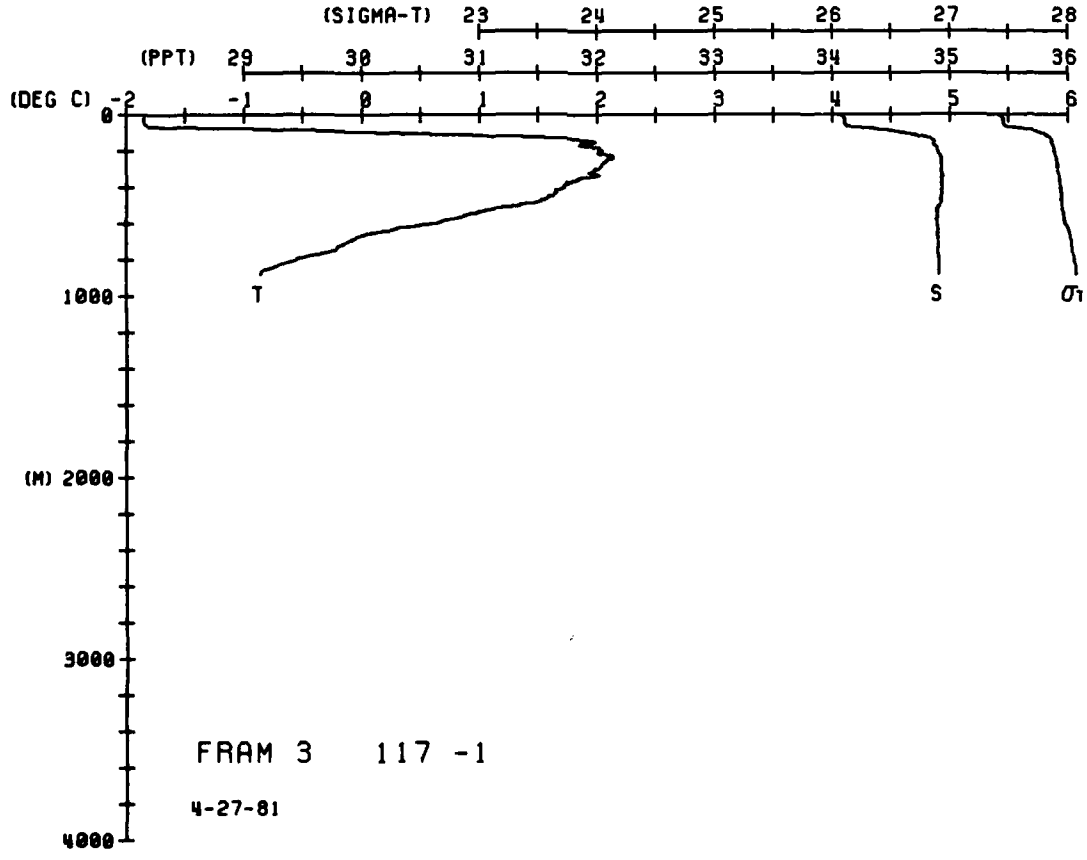
FRAM 3 116 -1

4-27-81

FRAM 3 STATION 117(1) CTD 27/APR/1981 1646 GMT CODE = 5
LAT = 81.9400N LNG = 5.5477E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

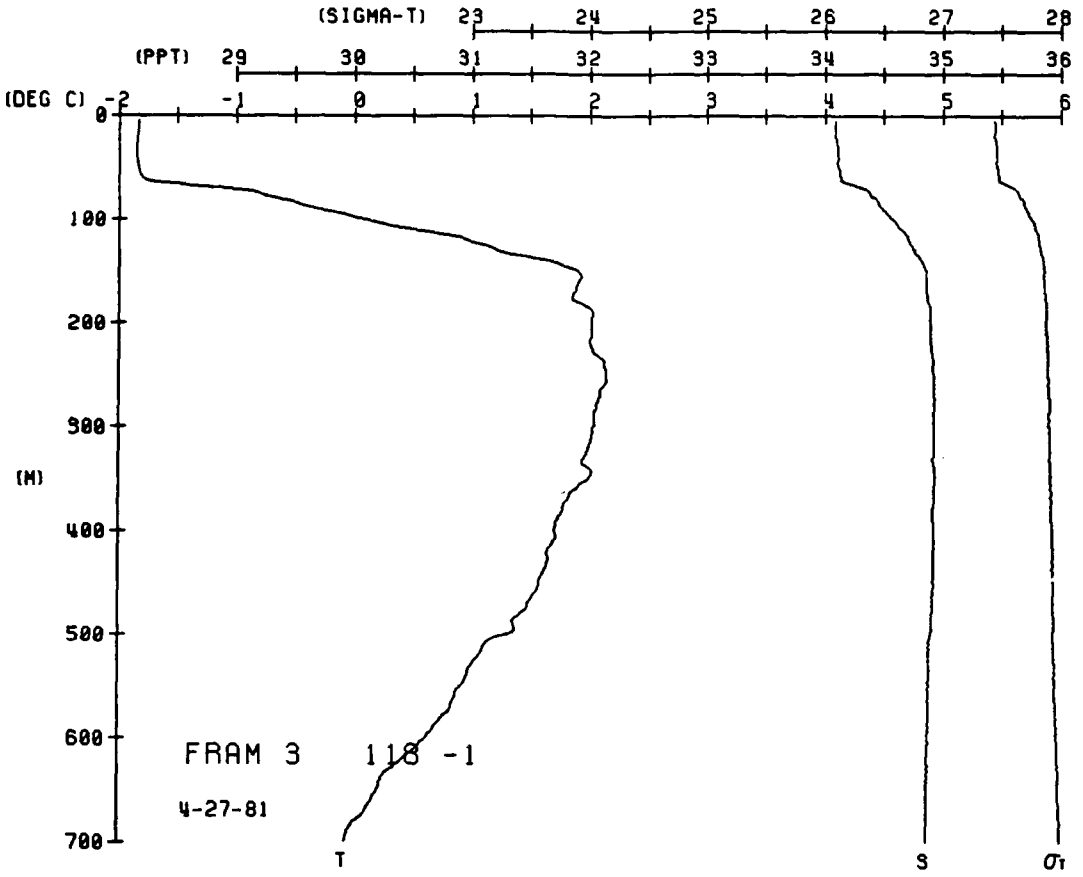
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.05	27.41	66.0	0.000	1439.4
4.0	-1.85	-1.85	34.05	27.41	66.0	0.003	1439.4
5.0	-1.85	-1.85	34.06	27.42	65.0	0.003	1439.5
10.0	-1.84	-1.84	34.09	27.44	62.8	0.007	1439.6
15.0	-1.84	-1.84	34.09	27.45	62.5	0.010	1439.7
20.0	-1.85	-1.85	34.10	27.45	61.7	0.013	1439.8
25.0	-1.85	-1.85	34.10	27.45	61.7	0.016	1439.9
30.0	-1.85	-1.85	34.11	27.46	61.2	0.019	1439.9
35.0	-1.85	-1.85	34.11	27.46	61.3	0.022	1440.0
40.0	-1.85	-1.85	34.11	27.45	61.4	0.025	1440.1
45.0	-1.85	-1.85	34.11	27.46	61.3	0.028	1440.2
50.0	-1.85	-1.85	34.11	27.46	60.8	0.031	1440.3
55.0	-1.83	-1.83	34.12	27.47	60.1	0.035	1440.4
60.0	-1.82	-1.82	34.12	27.47	59.9	0.038	1440.6
65.0	-1.80	-1.80	34.13	27.48	59.2	0.041	1440.8
70.0	-1.68	-1.68	34.17	27.50	56.9	0.044	1441.5
75.0	-1.20	-1.21	34.31	27.60	47.7	0.046	1444.0
80.0	-0.88	-0.89	34.37	27.64	44.2	0.048	1445.7
85.0	-0.66	-0.66	34.43	27.68	40.5	0.051	1446.9
90.0	-0.32	-0.32	34.50	27.72	36.5	0.053	1448.6
95.0	-0.04	-0.05	34.56	27.75	33.3	0.054	1450.1
100.0	0.15	0.15	34.59	27.77	32.2	0.056	1451.1
110.0	0.69	0.68	34.69	27.82	27.4	0.059	1453.8
120.0	1.13	1.12	34.74	27.83	26.4	0.062	1456.0
130.0	1.62	1.61	34.82	27.86	24.2	0.064	1458.5
140.0	1.87	1.86	34.85	27.86	23.6	0.067	1459.8
150.0	1.98	1.98	34.87	27.87	23.2	0.069	1460.5
160.0	1.90	1.89	34.86	27.87	23.0	0.071	1460.3
170.0	1.86	1.85	34.87	27.88	22.2	0.074	1460.3
180.0	2.01	2.00	34.89	27.88	21.9	0.076	1461.1
190.0	2.02	2.00	34.90	27.89	21.6	0.078	1461.3
200.0	2.05	2.03	34.90	27.89	21.7	0.080	1461.6
210.0	2.02	2.00	34.90	27.89	21.4	0.082	1461.7
220.0	2.03	2.02	34.91	27.90	21.0	0.085	1461.9
230.0	2.14	2.13	34.93	27.90	20.6	0.087	1462.6
240.0	2.14	2.13	34.93	27.91	20.2	0.089	1462.8
250.0	2.09	2.08	34.93	27.91	20.1	0.091	1462.7
260.0	2.08	2.06	34.94	27.91	19.6	0.093	1462.8
270.0	2.06	2.04	34.93	27.91	19.5	0.095	1462.9
280.0	2.04	2.02	34.93	27.91	19.6	0.097	1463.0
290.0	2.03	2.01	34.93	27.91	19.6	0.099	1463.1
300.0	2.01	1.99	34.93	27.92	19.5	0.101	1463.2
310.0	1.98	1.96	34.93	27.92	19.3	0.103	1463.2
320.0	1.95	1.93	34.93	27.92	19.4	0.105	1463.2
330.0	2.01	1.99	34.94	27.92	18.9	0.107	1463.7
340.0	1.98	1.96	34.94	27.93	18.8	0.109	1463.7
350.0	1.87	1.85	34.93	27.93	18.6	0.110	1463.4
360.0	1.83	1.81	34.93	27.93	18.5	0.112	1463.4
370.0	1.78	1.76	34.93	27.93	18.3	0.114	1463.3
380.0	1.75	1.72	34.93	27.93	18.0	0.116	1463.3
390.0	1.74	1.72	34.93	27.94	17.8	0.118	1463.5
400.0	1.72	1.69	34.93	27.94	17.4	0.120	1463.5
410.0	1.70	1.68	34.93	27.94	17.4	0.121	1463.6
420.0	1.66	1.63	34.93	27.94	17.4	0.123	1463.6
430.0	1.65	1.63	34.93	27.94	17.2	0.125	1463.8
440.0	1.63	1.61	34.93	27.95	17.0	0.127	1463.9
450.0	1.62	1.59	34.93	27.94	17.1	0.128	1463.9
460.0	1.58	1.55	34.93	27.95	17.1	0.130	1463.9
470.0	1.55	1.53	34.92	27.95	17.0	0.132	1464.0
480.0	1.52	1.49	34.93	27.95	16.7	0.134	1464.0
490.0	1.45	1.42	34.92	27.95	16.5	0.135	1463.8
500.0	1.34	1.31	34.91	27.95	16.4	0.137	1463.5
530.0	1.05	1.02	34.89	27.95	15.7	0.142	1462.7
560.0	0.87	0.84	34.89	27.97	14.5	0.146	1462.4
590.0	0.68	0.65	34.89	27.98	12.8	0.151	1462.0
620.0	0.39	0.36	34.90	28.00	10.3	0.154	1461.2
650.0	0.11	0.08	34.90	28.02	8.0	0.157	1460.5
680.0	-0.05	-0.08	34.90	28.03	7.2	0.159	1460.3
710.0	-0.14	-0.17	34.90	28.04	6.2	0.161	1460.3
740.0	-0.22	-0.25	34.90	28.04	5.8	0.163	1460.5
790.0	-0.50	-0.53	34.91	28.06	3.5	0.165	1460.1
840.0	-0.74	-0.78	34.91	28.07	1.5	0.167	1459.8
882.6	-0.86	-0.89	34.91	28.07	0.8	0.167	1459.9

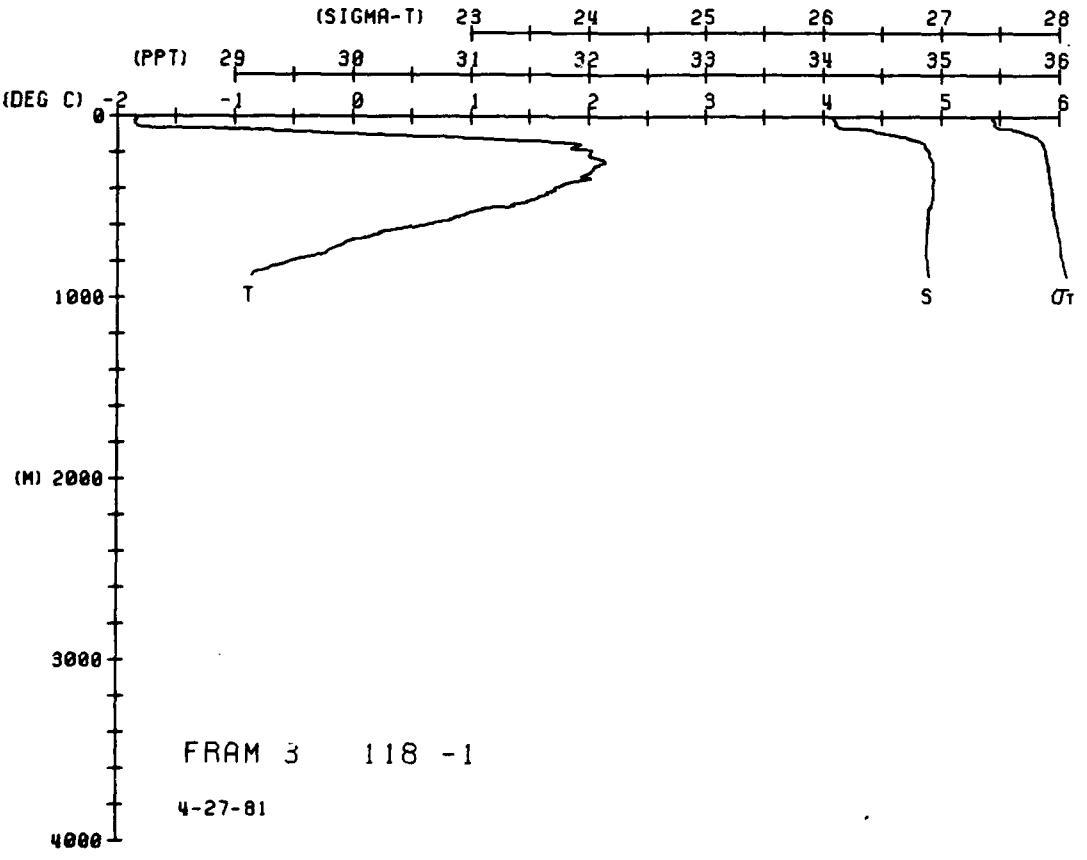

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 117 -1
4-27-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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σT
FRAM 3 117 -1
4-27-81

FRAM 3 STATION 118(1) CTD 27/APR/1981 1735 GMT CODE = 5
LAT = 81.9368N LNG = 5.5428E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BARUM = 0.0 WIND = 0.0 SPEED = 0.0

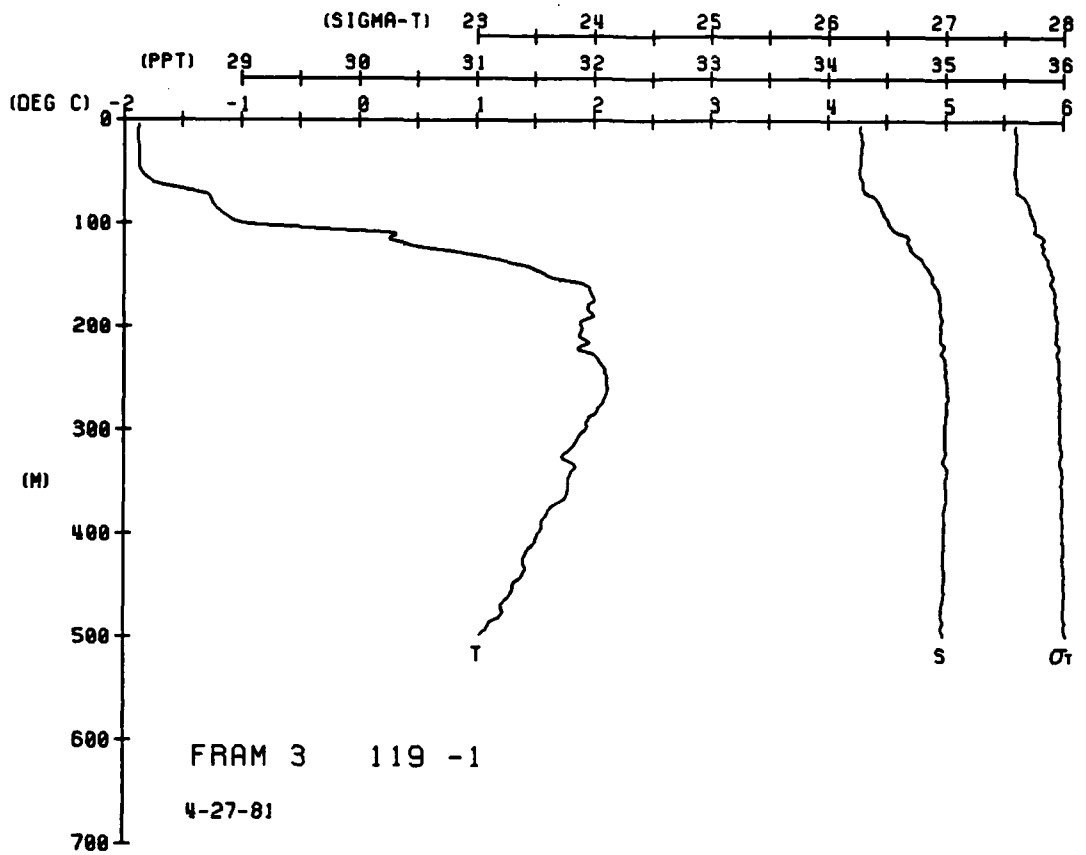
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	34.08	27.44	63.4	0.000	1439.5
4.0	-1.83	-1.83	34.08	27.44	63.4	0.003	1439.6
5.0	-1.84	-1.84	34.09	27.44	62.9	0.003	1439.6
10.0	-1.84	-1.84	34.09	27.44	62.7	0.006	1439.6
15.0	-1.84	-1.84	34.09	27.44	62.8	0.010	1439.7
20.0	-1.84	-1.84	34.09	27.44	62.6	0.013	1439.8
25.0	-1.85	-1.85	34.11	27.46	61.4	0.016	1439.9
30.0	-1.85	-1.85	34.11	27.46	61.2	0.019	1439.9
35.0	-1.85	-1.85	34.11	27.46	60.8	0.022	1440.0
40.0	-1.85	-1.85	34.12	27.46	60.6	0.025	1440.1
45.0	-1.84	-1.84	34.11	27.46	61.2	0.028	1440.2
50.0	-1.84	-1.84	34.12	27.47	60.3	0.031	1440.3
55.0	-1.82	-1.82	34.13	27.47	59.7	0.034	1440.5
60.0	-1.79	-1.79	34.14	27.48	59.1	0.037	1440.8
65.0	-1.63	-1.63	34.19	27.52	55.0	0.040	1441.7
70.0	-1.09	-1.09	34.33	27.62	46.1	0.043	1444.5
75.0	-0.80	-0.81	34.39	27.65	42.9	0.045	1446.0
80.0	-0.65	-0.65	34.44	27.68	40.0	0.047	1446.8
85.0	-0.47	-0.47	34.46	27.70	38.6	0.049	1447.8
90.0	-0.30	-0.30	34.50	27.72	36.6	0.051	1448.7
95.0	-0.09	-0.10	34.54	27.74	34.6	0.053	1449.8
100.0	0.08	0.08	34.58	27.77	32.3	0.054	1450.8
110.0	0.52	0.52	34.66	27.80	28.7	0.058	1453.0
120.0	0.97	0.96	34.72	27.82	27.2	0.060	1455.3
130.0	1.22	1.21	34.76	27.84	25.8	0.063	1456.6
140.0	1.66	1.66	34.83	27.86	23.8	0.066	1458.9
150.0	1.91	1.90	34.86	27.87	23.1	0.068	1460.2
160.0	1.91	1.90	34.87	27.87	22.9	0.070	1460.3
170.0	1.87	1.86	34.87	27.88	22.6	0.073	1460.3
180.0	1.92	1.91	34.89	27.89	21.6	0.075	1460.7
190.0	2.03	2.01	34.90	27.89	21.7	0.077	1461.4
200.0	2.02	2.00	34.90	27.89	21.6	0.079	1461.5
210.0	2.02	2.01	34.90	27.89	21.3	0.081	1461.7
220.0	2.01	2.00	34.91	27.90	21.0	0.083	1461.8
230.0	2.06	2.05	34.92	27.90	20.6	0.086	1462.2
240.0	2.13	2.12	34.93	27.90	20.4	0.088	1462.7
250.0	2.14	2.13	34.93	27.91	20.4	0.090	1462.9
260.0	2.11	2.10	34.93	27.91	20.3	0.092	1463.0
270.0	2.08	2.07	34.93	27.91	19.8	0.094	1463.0
280.0	2.06	2.04	34.94	27.92	19.4	0.096	1463.1
290.0	2.05	2.03	34.93	27.91	19.7	0.098	1463.2
300.0	2.03	2.01	34.93	27.92	19.5	0.100	1463.3
310.0	2.02	2.00	34.93	27.92	19.5	0.102	1463.4
320.0	1.99	1.97	34.94	27.92	19.1	0.104	1463.4
330.0	1.95	1.93	34.93	27.92	19.4	0.106	1463.4
340.0	2.01	2.00	34.94	27.93	18.8	0.108	1463.9
350.0	1.98	1.96	34.94	27.93	18.9	0.109	1463.9
360.0	1.87	1.85	34.93	27.93	18.7	0.111	1463.6
370.0	1.81	1.79	34.93	27.93	18.3	0.113	1463.4
380.0	1.77	1.75	34.93	27.93	18.1	0.115	1463.4
390.0	1.72	1.70	34.93	27.94	17.5	0.117	1463.4
400.0	1.71	1.69	34.94	27.94	17.1	0.119	1463.5
410.0	1.69	1.67	34.94	27.94	17.1	0.120	1463.6
420.0	1.65	1.63	34.93	27.95	16.9	0.122	1463.6
430.0	1.65	1.63	34.93	27.95	17.0	0.124	1463.8
440.0	1.61	1.59	34.93	27.95	16.9	0.126	1463.8
450.0	1.58	1.55	34.93	27.95	16.6	0.127	1463.8
460.0	1.54	1.51	34.93	27.95	16.8	0.129	1463.7
470.0	1.49	1.46	34.93	27.95	16.2	0.131	1463.7
480.0	1.41	1.39	34.92	27.95	16.3	0.132	1463.5
490.0	1.36	1.34	34.92	27.95	16.3	0.134	1463.5
500.0	1.28	1.26	34.90	27.95	16.7	0.136	1463.3
530.0	0.99	0.97	34.89	27.96	15.0	0.140	1462.4
560.0	0.86	0.83	34.89	27.97	14.2	0.145	1462.3
590.0	0.68	0.65	34.89	27.98	13.2	0.149	1462.0
620.0	0.41	0.38	34.88	27.99	11.7	0.153	1461.3
650.0	0.20	0.18	34.88	28.00	10.6	0.156	1460.9
680.0	0.01	-0.02	34.88	28.01	9.0	0.159	1460.5
710.0	-0.10	-0.13	34.88	28.01	8.4	0.162	1460.5
740.0	-0.21	-0.24	34.88	28.02	7.8	0.164	1460.5
790.0	-0.48	-0.51	34.88	28.04	5.5	0.168	1460.1
840.0	-0.72	-0.75	34.89	28.05	3.2	0.170	1459.8
877.6	-0.86	-0.89	34.90	28.07	1.4	0.171	1459.8


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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200
300
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500
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700
FRAM 3 118 -1
4-27-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 118 -1
4-27-81

FRAM 3 STATION 119(1) CTD 27/APR/1981 1736 GMT CODE = 5
LAT = 81.6717N LNG = 3.5700E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.87	-1.87	34.28	27.60	48.0	0.000	1439.6
4.0	-1.87	-1.87	34.28	27.60	48.0	0.002	1439.6
5.0	-1.87	-1.87	34.28	27.60	48.2	0.002	1439.7
10.0	-1.88	-1.88	34.28	27.60	48.0	0.005	1439.7
15.0	-1.88	-1.88	34.29	27.61	47.2	0.007	1439.8
20.0	-1.88	-1.88	34.30	27.61	46.6	0.010	1439.9
25.0	-1.88	-1.88	34.29	27.61	47.1	0.012	1440.0
30.0	-1.88	-1.88	34.29	27.61	47.2	0.014	1440.1
35.0	-1.87	-1.87	34.28	27.60	47.7	0.017	1440.2
40.0	-1.88	-1.88	34.28	27.60	47.5	0.019	1440.2
45.0	-1.87	-1.87	34.27	27.59	48.4	0.022	1440.3
50.0	-1.85	-1.85	34.27	27.59	48.5	0.024	1440.5
55.0	-1.81	-1.81	34.29	27.60	47.4	0.026	1440.8
60.0	-1.75	-1.75	34.31	27.61	46.8	0.029	1441.2
65.0	-1.60	-1.60	34.30	27.61	46.9	0.031	1442.0
70.0	-1.35	-1.35	34.33	27.62	45.3	0.034	1443.3
75.0	-1.26	-1.26	34.41	27.69	39.4	0.036	1443.9
80.0	-1.24	-1.24	34.45	27.71	36.8	0.038	1444.1
85.0	-1.21	-1.21	34.46	27.72	35.9	0.039	1444.4
90.0	-1.15	-1.15	34.48	27.74	34.2	0.041	1444.8
95.0	-1.09	-1.10	34.51	27.76	32.5	0.043	1445.1
100.0	-0.98	-0.98	34.53	27.77	31.7	0.045	1445.8
110.0	0.31	0.31	34.65	27.80	28.7	0.048	1452.1
120.0	0.42	0.41	34.70	27.84	25.6	0.050	1452.8
130.0	0.96	0.96	34.76	27.86	24.0	0.053	1455.5
140.0	1.39	1.39	34.84	27.89	21.1	0.055	1457.7
150.0	1.61	1.60	34.89	27.92	18.6	0.057	1458.9
160.0	1.96	1.95	34.93	27.92	18.7	0.059	1460.6
170.0	1.99	1.99	34.95	27.94	17.0	0.061	1461.0
180.0	1.96	1.95	34.96	27.95	16.1	0.063	1461.0
190.0	1.99	1.98	34.97	27.95	15.6	0.064	1461.3
200.0	1.91	1.90	34.97	27.96	15.3	0.066	1461.1
210.0	1.89	1.88	34.97	27.95	15.6	0.067	1461.2
220.0	1.88	1.86	34.99	27.97	13.8	0.069	1461.3
230.0	2.04	2.03	35.00	27.97	14.4	0.070	1462.2
240.0	2.10	2.09	35.01	27.97	14.2	0.072	1462.7
250.0	2.11	2.10	35.01	27.97	13.9	0.073	1462.9
260.0	2.12	2.11	35.02	27.98	13.8	0.074	1463.1
270.0	2.09	2.07	35.02	27.98	13.1	0.076	1463.2
280.0	2.04	2.02	35.02	27.98	13.2	0.077	1463.1
290.0	1.95	1.94	35.01	27.98	13.2	0.078	1462.9
300.0	1.93	1.91	35.01	27.98	13.3	0.080	1462.9
310.0	1.86	1.84	35.00	27.98	13.2	0.081	1462.8
320.0	1.78	1.77	35.01	28.00	11.9	0.082	1462.6
330.0	1.80	1.78	34.99	27.98	13.5	0.084	1462.8
340.0	1.82	1.80	35.02	28.00	11.7	0.085	1463.1
350.0	1.78	1.77	35.00	27.99	12.5	0.086	1463.1
360.0	1.78	1.76	35.01	28.00	12.1	0.087	1463.3
370.0	1.71	1.69	35.01	28.00	11.6	0.089	1463.1
380.0	1.61	1.59	34.99	28.00	11.8	0.090	1462.8
390.0	1.56	1.54	35.00	28.00	11.2	0.091	1462.8
400.0	1.53	1.51	35.00	28.00	11.2	0.092	1462.8
410.0	1.49	1.47	35.00	28.01	10.7	0.093	1462.8
420.0	1.42	1.40	34.99	28.01	11.0	0.094	1462.7
430.0	1.42	1.39	34.99	28.01	10.8	0.095	1462.8
440.0	1.39	1.37	35.00	28.02	10.2	0.097	1462.9
450.0	1.31	1.29	34.99	28.01	10.4	0.098	1462.7
460.0	1.28	1.25	34.99	28.02	10.1	0.099	1462.7
470.0	1.22	1.19	34.97	28.01	10.6	0.100	1462.5
480.0	1.21	1.18	34.98	28.01	10.2	0.101	1462.7
490.0	1.10	1.08	34.97	28.02	9.9	0.102	1462.4
498.0	1.02	1.00	34.99	28.03	8.2	0.102	1462.2

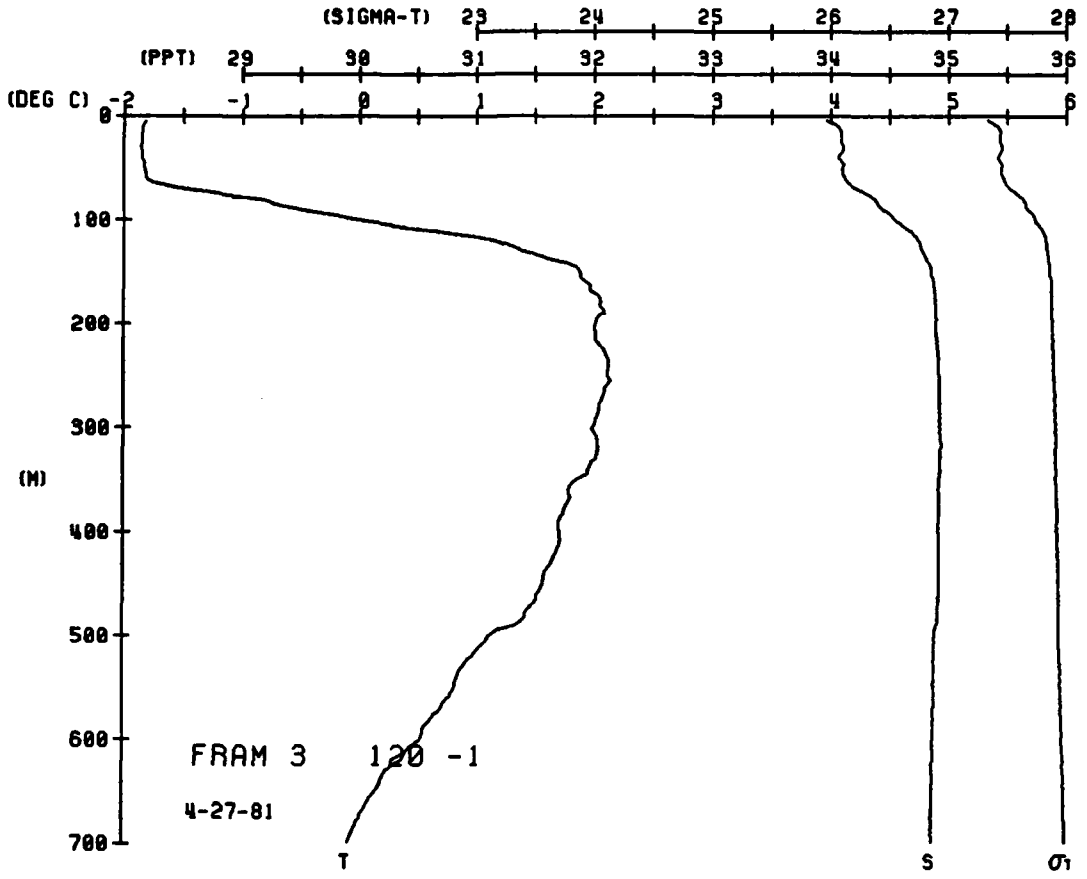


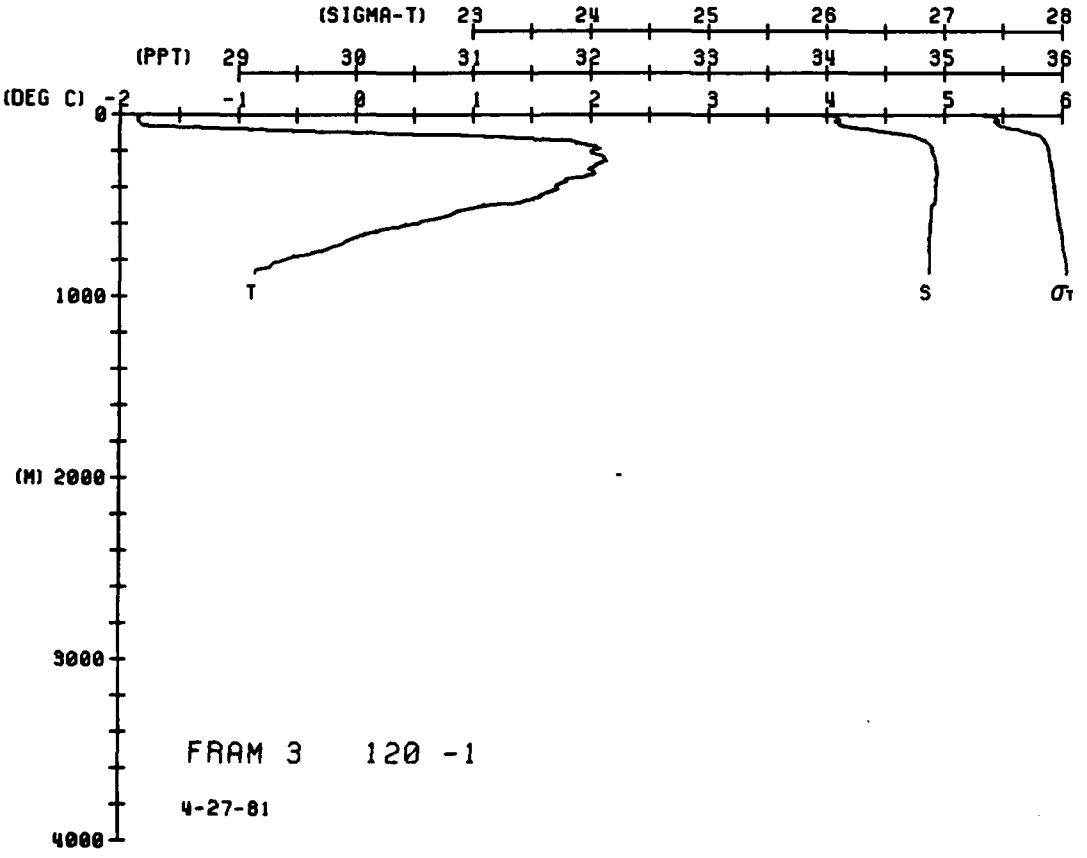
FRAM 3 119 -1

4-27-81

FRAM 3 STATION 120(1) CTD 27/APR/1981 2013 GMT CODE = 5
LAT = 81.9327N LNG = 5.5318E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.94	27.32	74.7	0.000	1439.4
4.0	-1.80	-1.81	33.94	27.32	74.6	0.003	1439.5
5.0	-1.82	-1.82	33.97	27.34	72.5	0.004	1439.5
10.0	-1.85	-1.85	34.07	27.42	64.5	0.007	1439.6
15.0	-1.85	-1.85	34.09	27.44	62.8	0.010	1439.7
20.0	-1.84	-1.84	34.10	27.45	62.2	0.014	1439.8
25.0	-1.84	-1.84	34.09	27.44	62.5	0.017	1439.9
30.0	-1.85	-1.85	34.11	27.46	60.8	0.020	1439.9
35.0	-1.84	-1.84	34.10	27.45	61.9	0.023	1440.0
40.0	-1.84	-1.84	34.07	27.43	63.9	0.026	1440.1
45.0	-1.83	-1.83	34.11	27.46	61.2	0.029	1440.3
50.0	-1.82	-1.82	34.11	27.46	61.3	0.032	1440.4
55.0	-1.81	-1.81	34.11	27.46	61.1	0.035	1440.5
60.0	-1.80	-1.80	34.13	27.47	59.7	0.039	1440.7
65.0	-1.72	-1.72	34.16	27.49	57.6	0.042	1441.2
70.0	-1.48	-1.48	34.22	27.54	53.3	0.044	1442.5
75.0	-1.19	-1.19	34.30	27.59	48.2	0.047	1444.1
80.0	-0.86	-0.86	34.38	27.65	43.3	0.049	1445.8
85.0	-0.71	-0.71	34.41	27.66	41.9	0.051	1446.6
90.0	-0.48	-0.48	34.45	27.69	39.3	0.053	1447.8
95.0	-0.24	-0.24	34.51	27.73	35.8	0.055	1449.1
100.0	0.01	0.00	34.55	27.74	34.1	0.057	1450.4
110.0	0.57	0.57	34.67	27.81	28.2	0.060	1453.3
120.0	1.15	1.15	34.75	27.83	26.2	0.063	1456.2
130.0	1.39	1.38	34.79	27.85	24.9	0.066	1457.4
140.0	1.70	1.70	34.83	27.86	23.8	0.068	1459.0
150.0	1.88	1.87	34.86	27.87	23.4	0.070	1460.0
160.0	1.94	1.93	34.88	27.88	22.2	0.073	1460.5
170.0	2.00	1.99	34.89	27.88	22.0	0.075	1460.9
180.0	2.06	2.05	34.90	27.89	21.6	0.077	1461.4
190.0	2.07	2.06	34.90	27.89	21.6	0.079	1461.6
200.0	2.02	2.00	34.90	27.89	21.1	0.081	1461.5
210.0	2.02	2.00	34.91	27.90	21.0	0.084	1461.7
220.0	2.05	2.04	34.91	27.90	20.8	0.086	1462.0
230.0	2.11	2.10	34.92	27.90	20.5	0.088	1462.4
240.0	2.13	2.11	34.93	27.90	20.5	0.090	1462.7
250.0	2.12	2.11	34.93	27.91	20.1	0.092	1462.8
260.0	2.11	2.09	34.93	27.91	20.1	0.094	1462.9
270.0	2.08	2.06	34.94	27.91	19.6	0.096	1463.0
280.0	2.05	2.03	34.93	27.91	19.7	0.098	1463.0
290.0	2.03	2.01	34.94	27.92	19.2	0.100	1463.1
300.0	2.00	1.98	34.94	27.92	19.1	0.102	1463.1
310.0	2.03	2.02	34.94	27.92	19.0	0.104	1463.5
320.0	2.04	2.02	34.94	27.92	18.9	0.106	1463.7
330.0	2.02	2.00	34.94	27.93	18.8	0.108	1463.7
340.0	1.97	1.95	34.94	27.93	18.5	0.110	1463.7
350.0	1.86	1.84	34.93	27.93	18.6	0.111	1463.4
360.0	1.79	1.77	34.93	27.94	17.8	0.113	1463.2
370.0	1.80	1.78	34.93	27.94	17.9	0.115	1463.4
380.0	1.75	1.73	34.93	27.94	17.7	0.117	1463.4
390.0	1.71	1.69	34.93	27.94	17.7	0.119	1463.4
400.0	1.72	1.69	34.93	27.94	17.5	0.120	1463.5
410.0	1.72	1.70	34.94	27.94	17.4	0.122	1463.7
420.0	1.68	1.66	34.93	27.94	17.2	0.124	1463.7
430.0	1.64	1.62	34.94	27.95	16.8	0.126	1463.7
440.0	1.59	1.57	34.93	27.95	16.7	0.127	1463.6
450.0	1.57	1.55	34.93	27.95	16.7	0.129	1463.7
460.0	1.52	1.50	34.93	27.95	16.2	0.131	1463.7
470.0	1.49	1.46	34.93	27.95	16.3	0.132	1463.7
480.0	1.43	1.40	34.93	27.96	15.9	0.134	1463.6
490.0	1.33	1.30	34.91	27.95	16.1	0.136	1463.3
500.0	1.12	1.10	34.90	27.96	15.5	0.137	1462.5
530.0	0.90	0.87	34.89	27.97	14.4	0.142	1462.0
560.0	0.77	0.74	34.89	27.98	13.4	0.146	1461.9
590.0	0.55	0.53	34.89	27.98	12.3	0.150	1461.5
620.0	0.36	0.34	34.88	27.99	11.4	0.154	1461.1
650.0	0.15	0.13	34.88	28.00	10.2	0.157	1460.6
680.0	-0.01	-0.04	34.88	28.01	9.3	0.160	1460.4
710.0	-0.12	-0.14	34.88	28.01	8.4	0.162	1460.4
740.0	-0.24	-0.27	34.88	28.02	7.7	0.165	1460.3
790.0	-0.56	-0.59	34.88	28.03	5.5	0.168	1459.7
840.0	-0.74	-0.77	34.87	28.04	4.4	0.171	1459.7
869.8	-0.86	-0.89	34.87	28.05	3.6	0.172	1459.7


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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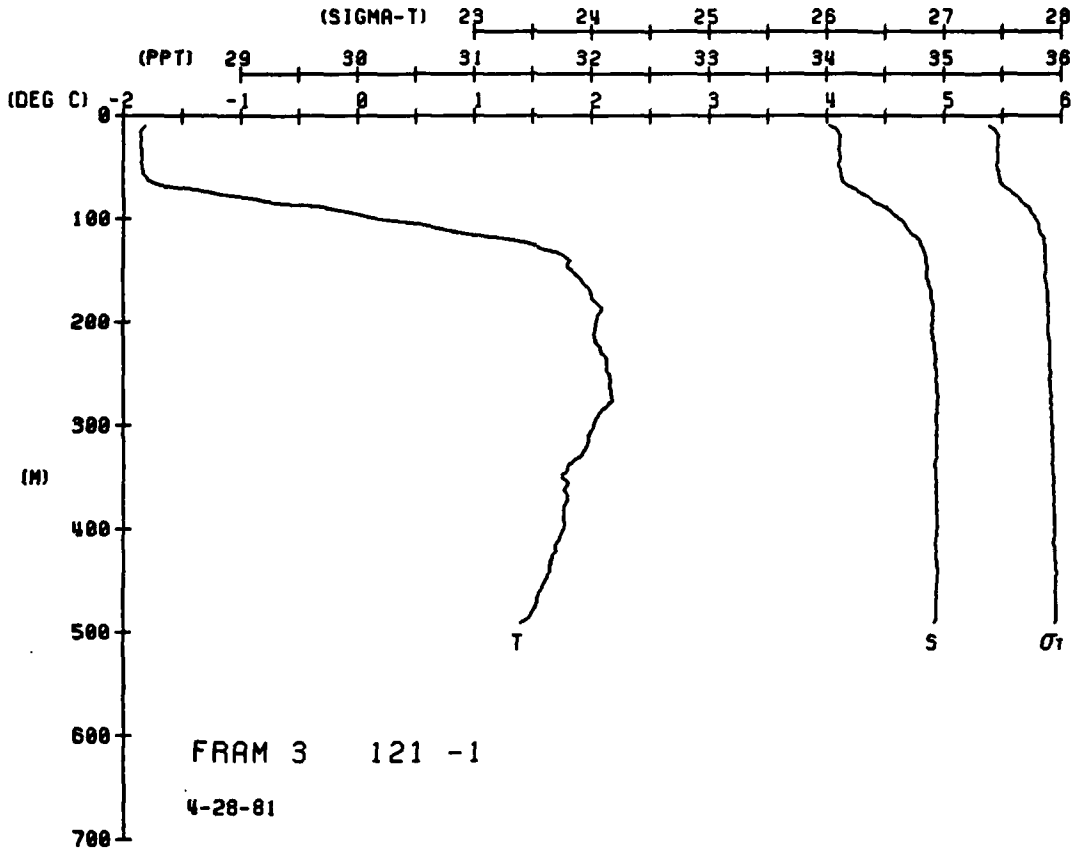

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 120 -1
4-27-81

FRAM 3 STATION 121(1) CTD 28/APR/1981 922 GMT CODE = 5
LAT = 81.9305N LNG = 5.5187E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.81	-1.81	34.02	27.39	68.1	0.000	1439.5
5.0	-1.81	-1.81	34.02	27.39	68.1	0.003	1439.6
9.9	-1.81	-1.81	34.02	27.39	68.0	0.007	1439.7
10.0	-1.81	-1.81	34.02	27.39	67.9	0.007	1439.7
15.0	-1.85	-1.85	34.10	27.45	61.9	0.010	1439.7
20.0	-1.85	-1.85	34.12	27.47	60.6	0.013	1439.8
25.0	-1.85	-1.85	34.11	27.46	61.2	0.016	1439.9
30.0	-1.85	-1.85	34.11	27.46	60.9	0.019	1439.9
35.0	-1.85	-1.85	34.11	27.46	61.1	0.023	1440.0
40.0	-1.85	-1.85	34.12	27.46	60.5	0.026	1440.1
45.0	-1.84	-1.84	34.11	27.45	61.4	0.029	1440.2
50.0	-1.84	-1.84	34.11	27.46	60.9	0.032	1440.3
55.0	-1.83	-1.83	34.13	27.47	59.7	0.035	1440.5
60.0	-1.80	-1.80	34.13	27.48	59.3	0.038	1440.7
65.0	-1.76	-1.76	34.15	27.49	58.0	0.041	1441.0
70.0	-1.52	-1.53	34.21	27.53	53.8	0.044	1442.3
75.0	-1.22	-1.22	34.30	27.59	48.5	0.046	1443.9
80.0	-0.93	-0.93	34.37	27.64	43.8	0.049	1445.5
85.0	-0.64	-0.64	34.43	27.68	40.2	0.051	1447.0
90.0	-0.24	-0.24	34.51	27.73	36.0	0.053	1449.0
95.0	-0.03	-0.03	34.56	27.75	33.6	0.054	1450.1
100.0	0.19	0.18	34.62	27.79	30.0	0.056	1451.3
110.0	0.72	0.72	34.69	27.81	27.8	0.059	1454.0
120.0	1.32	1.32	34.79	27.86	24.0	0.061	1457.0
130.0	1.63	1.62	34.83	27.86	23.4	0.064	1458.5
140.0	1.82	1.81	34.85	27.86	23.5	0.066	1459.6
150.0	1.84	1.83	34.86	27.87	23.1	0.069	1459.8
160.0	1.92	1.92	34.87	27.87	22.9	0.071	1460.4
170.0	2.00	1.99	34.89	27.89	21.6	0.073	1460.9
180.0	2.04	2.03	34.90	27.89	21.4	0.075	1461.3
190.0	2.07	2.06	34.91	27.89	21.4	0.078	1461.6
200.0	2.05	2.03	34.91	27.89	21.3	0.080	1461.6
210.0	2.03	2.02	34.91	27.89	21.2	0.082	1461.8
220.0	2.04	2.03	34.92	27.90	20.5	0.084	1462.0
230.0	2.09	2.08	34.92	27.90	20.4	0.086	1462.4
240.0	2.13	2.12	34.92	27.90	21.0	0.088	1462.7
250.0	2.15	2.13	34.93	27.90	20.5	0.090	1463.0
260.0	2.16	2.15	34.94	27.91	20.1	0.092	1463.2
270.0	2.17	2.15	34.94	27.91	19.8	0.094	1463.4
280.0	2.14	2.12	34.94	27.91	19.7	0.096	1463.4
290.0	2.06	2.04	34.94	27.92	19.6	0.098	1463.2
300.0	2.02	2.00	34.94	27.92	18.9	0.100	1463.2
310.0	1.98	1.96	34.94	27.92	19.0	0.102	1463.2
320.0	1.96	1.94	34.94	27.93	18.6	0.104	1463.3
330.0	1.90	1.88	34.94	27.93	18.3	0.106	1463.2
340.0	1.79	1.77	34.92	27.93	18.5	0.108	1462.9
350.0	1.75	1.73	34.93	27.93	18.0	0.110	1462.9
360.0	1.77	1.76	34.93	27.94	17.8	0.111	1463.1
370.0	1.79	1.77	34.94	27.94	17.7	0.113	1463.4
380.0	1.76	1.74	34.94	27.94	17.5	0.115	1463.4
390.0	1.76	1.74	34.94	27.94	17.1	0.117	1463.6
400.0	1.76	1.74	34.94	27.94	17.5	0.118	1463.8
410.0	1.73	1.70	34.93	27.94	17.8	0.120	1463.8
420.0	1.69	1.67	34.94	27.95	16.8	0.122	1463.8
430.0	1.65	1.63	34.94	27.95	16.8	0.124	1463.8
440.0	1.64	1.62	34.94	27.95	16.5	0.125	1463.9
450.0	1.60	1.58	34.94	27.95	16.4	0.127	1463.9
460.0	1.56	1.54	34.94	27.95	16.2	0.129	1463.9
470.0	1.53	1.51	34.94	27.96	16.0	0.130	1463.9
480.0	1.50	1.47	34.93	27.96	16.0	0.132	1463.9
490.0	1.40	1.37	34.92	27.95	16.3	0.134	1463.6
490.1	1.39	1.37	34.92	27.95	16.3	0.134	1463.6

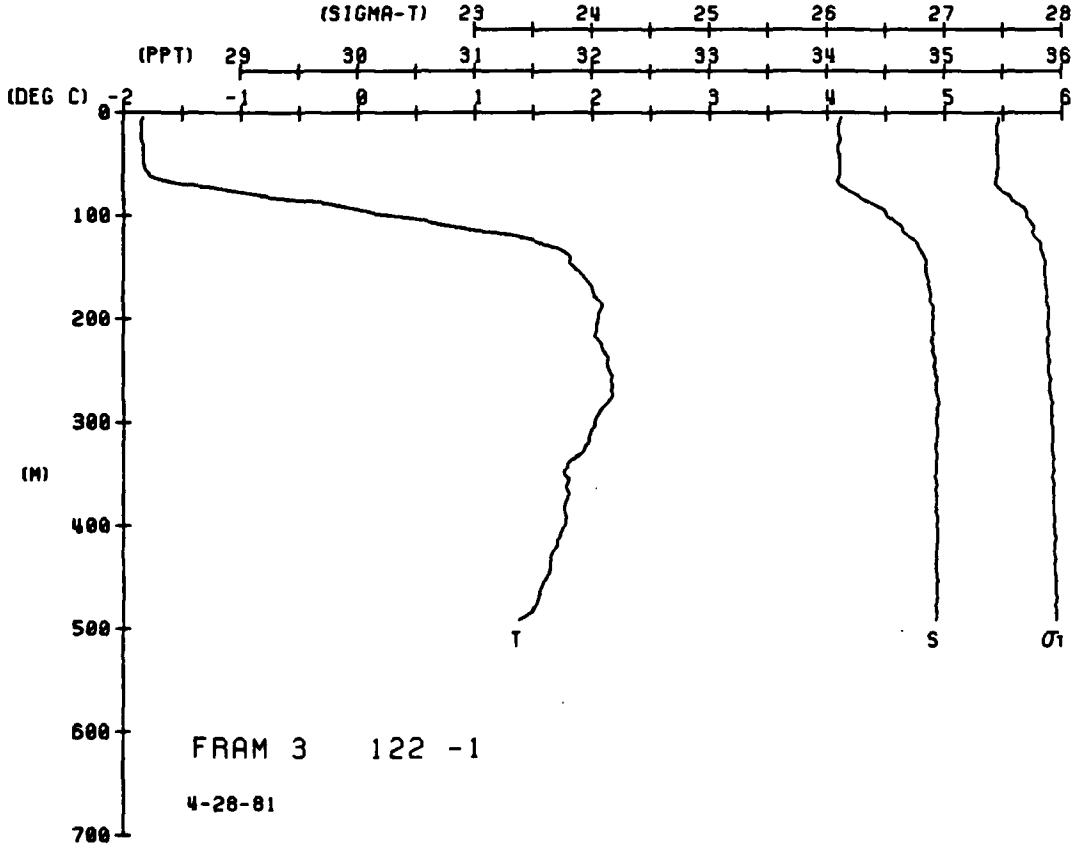
FRAM 3 STATION 122(1) CTD 28/APR/1981 927 GMT CODE = 5
LAT = 81.9305N LNG = 5.5187E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.12	27.46	60.8	0.000	1439.5
4.0	-1.84	-1.84	34.12	27.46	60.8	0.002	1439.6
5.0	-1.84	-1.84	34.12	27.46	60.9	0.003	1439.6
10.0	-1.84	-1.84	34.11	27.46	61.3	0.006	1439.6
15.0	-1.84	-1.84	34.11	27.46	61.6	0.009	1439.7
20.0	-1.84	-1.84	34.10	27.45	61.7	0.012	1439.8
25.0	-1.84	-1.84	34.12	27.46	60.7	0.015	1439.9
30.0	-1.83	-1.83	34.11	27.46	61.4	0.019	1440.0
35.0	-1.83	-1.83	34.10	27.45	62.0	0.022	1440.1
40.0	-1.83	-1.83	34.11	27.46	61.3	0.025	1440.2
45.0	-1.83	-1.83	34.11	27.46	61.0	0.028	1440.3
50.0	-1.82	-1.82	34.11	27.46	60.9	0.031	1440.4
55.0	-1.81	-1.81	34.11	27.46	61.0	0.034	1440.6
60.0	-1.78	-1.78	34.11	27.46	61.2	0.037	1440.8
65.0	-1.69	-1.70	34.10	27.45	62.0	0.040	1441.2
70.0	-1.43	-1.44	34.12	27.45	61.5	0.043	1442.6
75.0	-1.12	-1.12	34.18	27.49	58.0	0.046	1444.2
80.0	-0.86	-0.86	34.26	27.55	52.4	0.049	1445.6
85.0	-0.50	-0.50	34.32	27.58	49.7	0.052	1447.4
90.0	-0.17	-0.17	34.43	27.66	42.5	0.054	1449.2
95.0	0.02	0.02	34.50	27.70	38.5	0.056	1450.3
100.0	0.29	0.29	34.51	27.70	38.7	0.058	1451.6
110.0	0.77	0.77	34.63	27.76	32.6	0.062	1454.1
120.0	1.37	1.36	34.70	27.78	31.7	0.065	1457.0
130.0	1.67	1.66	34.78	27.82	27.3	0.068	1458.7
140.0	1.82	1.81	34.83	27.85	24.6	0.071	1459.6
150.0	1.85	1.84	34.84	27.86	24.2	0.073	1459.9
160.0	1.94	1.93	34.86	27.86	23.8	0.075	1460.4
170.0	2.01	2.00	34.88	27.88	22.7	0.078	1461.0
180.0	2.05	2.04	34.89	27.88	22.8	0.080	1461.3
190.0	2.07	2.06	34.91	27.89	21.1	0.082	1461.6
200.0	2.05	2.04	34.90	27.89	21.4	0.084	1461.7
210.0	2.04	2.03	34.90	27.89	21.6	0.087	1461.8
220.0	2.06	2.05	34.90	27.88	22.2	0.089	1462.0
230.0	2.10	2.09	34.91	27.89	21.8	0.091	1462.4
240.0	2.14	2.12	34.93	27.90	20.5	0.093	1462.7
250.0	2.15	2.14	34.92	27.90	21.1	0.095	1463.0
260.0	2.16	2.15	34.94	27.91	20.1	0.097	1463.2
270.0	2.18	2.16	34.94	27.91	20.3	0.099	1463.4
280.0	2.14	2.12	34.95	27.92	18.8	0.101	1463.4
290.0	2.06	2.05	34.94	27.92	19.3	0.103	1463.3
300.0	2.03	2.01	34.93	27.91	19.7	0.105	1463.3
310.0	1.98	1.96	34.94	27.93	18.6	0.107	1463.2
320.0	1.97	1.95	34.94	27.92	18.9	0.109	1463.3
330.0	1.91	1.89	34.94	27.93	18.2	0.111	1463.3
340.0	1.80	1.78	34.93	27.93	18.0	0.113	1462.9
350.0	1.77	1.75	34.92	27.93	18.3	0.115	1462.9
360.0	1.79	1.77	34.94	27.94	17.4	0.117	1463.2
370.0	1.80	1.78	34.94	27.94	17.7	0.118	1463.4
380.0	1.77	1.75	34.94	27.94	17.6	0.120	1463.5
390.0	1.78	1.76	34.94	27.94	17.1	0.122	1463.7
400.0	1.77	1.75	34.94	27.94	17.3	0.124	1463.8
410.0	1.73	1.71	34.95	27.95	16.4	0.125	1463.8
420.0	1.70	1.68	34.94	27.95	16.7	0.127	1463.8
430.0	1.65	1.63	34.94	27.95	16.2	0.129	1463.8
440.0	1.65	1.62	34.93	27.95	17.1	0.130	1463.9
450.0	1.61	1.59	34.94	27.96	15.9	0.132	1463.9
460.0	1.57	1.54	34.94	27.96	16.0	0.134	1463.9
470.0	1.54	1.52	34.94	27.96	15.5	0.135	1464.0
480.0	1.51	1.48	34.94	27.96	15.5	0.137	1464.0
490.0	1.41	1.38	34.94	27.97	15.0	0.138	1463.7
491.1	1.38	1.38	34.93	27.97	15.0	0.138	1463.6



FRAM 3 121 -1

4-28-81

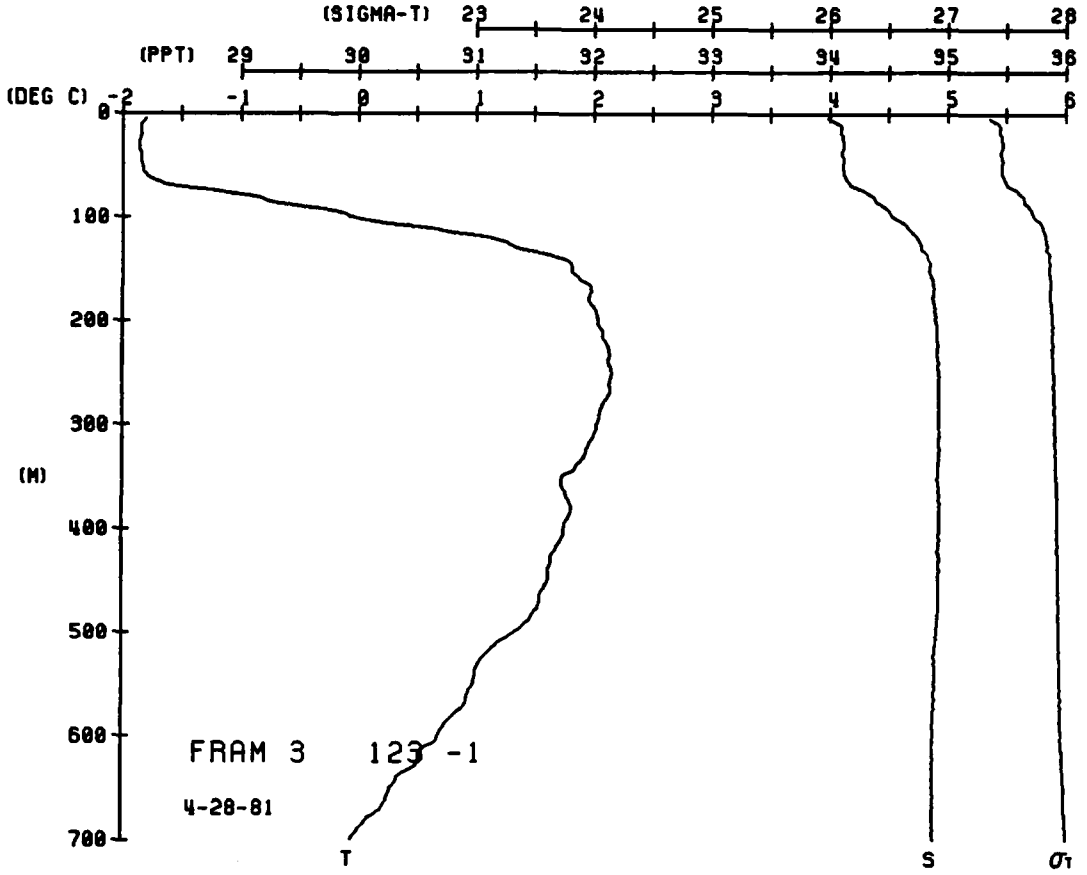


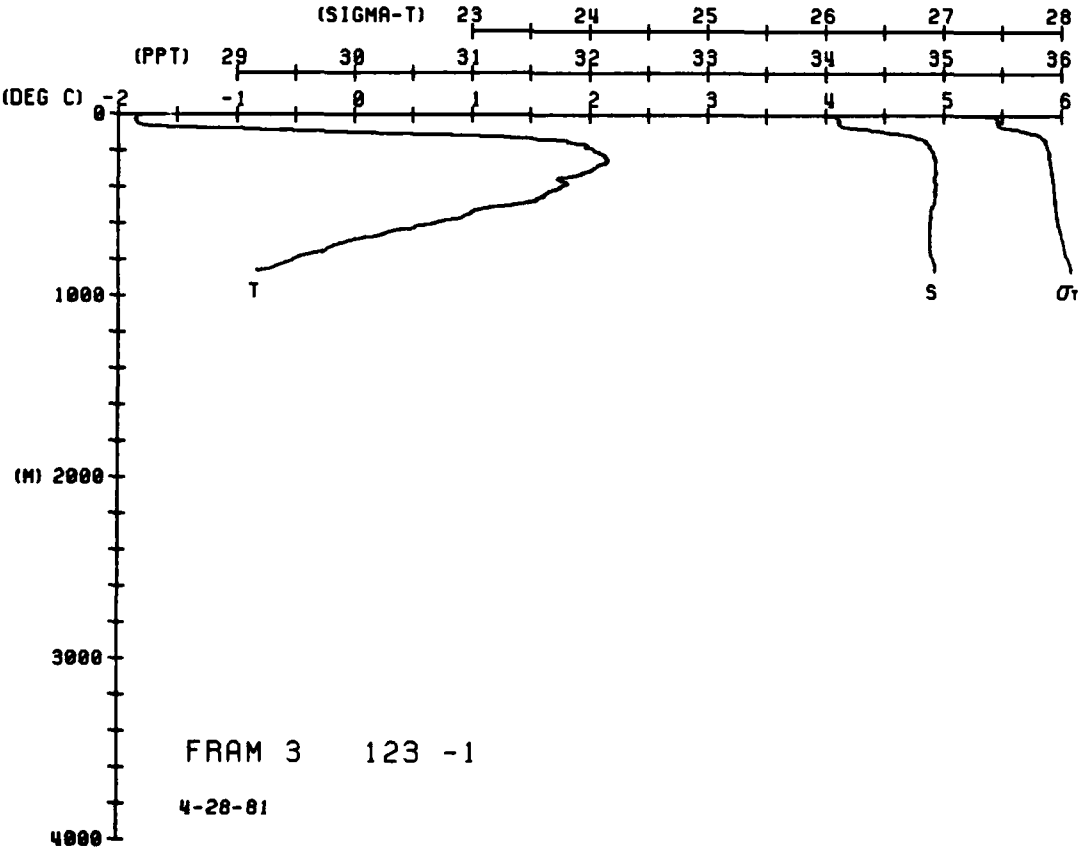
FRAM 3 122 -1

4-28-81

FRAM 3 STATION 123(1) CTD 28/APR/1981 1005 GMT CODE = 5
LAT = 81.9300N LNG = 5.5222E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

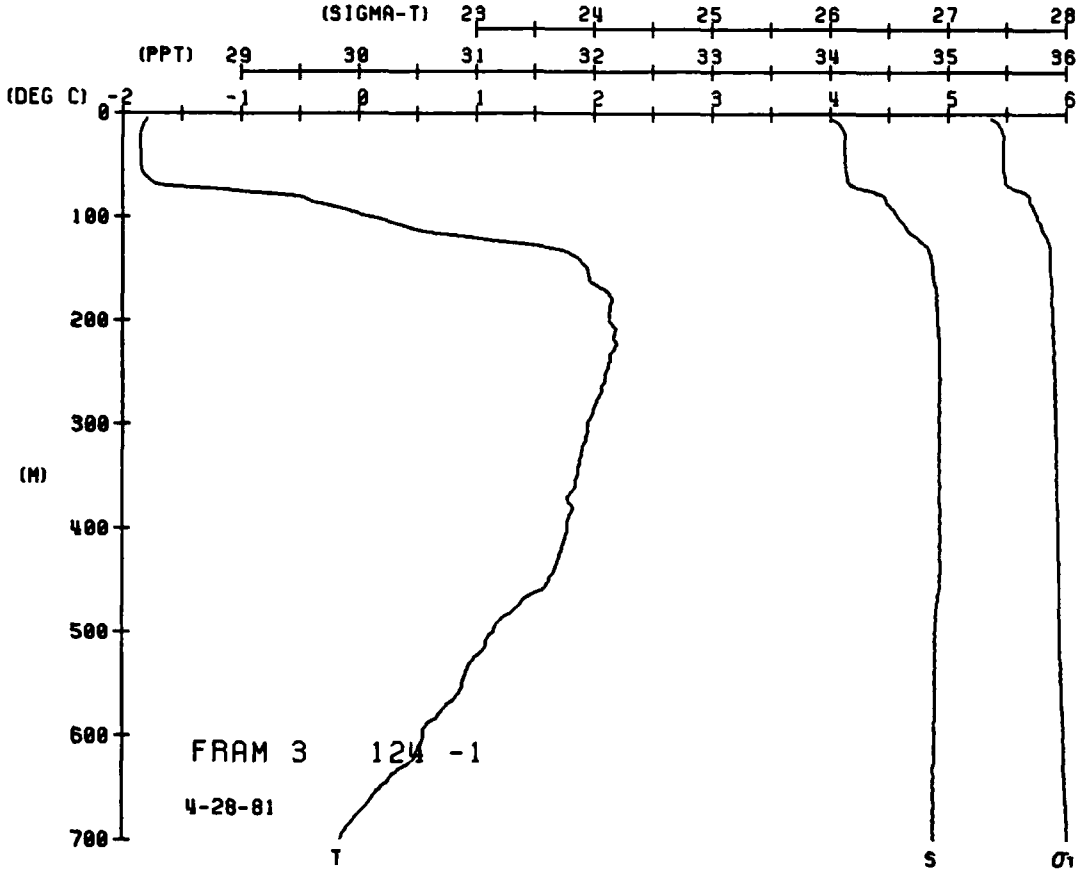
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.97	27.34	72.6	0.000	1439.5
4.0	-1.79	-1.79	33.97	27.34	72.6	0.003	1439.6
5.0	-1.80	-1.80	33.99	27.36	70.8	0.004	1439.6
10.0	-1.84	-1.84	34.09	27.44	62.9	0.007	1439.6
15.0	-1.84	-1.84	34.10	27.45	62.3	0.010	1439.7
20.0	-1.85	-1.85	34.11	27.46	61.4	0.013	1439.8
25.0	-1.85	-1.85	34.11	27.46	60.9	0.016	1439.8
30.0	-1.86	-1.86	34.12	27.47	60.2	0.020	1439.9
35.0	-1.85	-1.85	34.11	27.46	61.1	0.023	1440.0
40.0	-1.85	-1.85	34.11	27.46	61.0	0.026	1440.1
45.0	-1.84	-1.84	34.12	27.47	60.0	0.029	1440.2
50.0	-1.84	-1.84	34.12	27.46	60.6	0.032	1440.3
55.0	-1.82	-1.82	34.12	27.46	60.5	0.035	1440.5
60.0	-1.79	-1.79	34.13	27.47	59.5	0.038	1440.7
65.0	-1.72	-1.72	34.16	27.49	57.8	0.041	1441.2
70.0	-1.55	-1.55	34.20	27.53	54.4	0.044	1442.1
75.0	-1.20	-1.20	34.31	27.60	47.8	0.046	1444.0
80.0	-0.90	-0.90	34.38	27.64	43.6	0.049	1445.6
85.0	-0.76	-0.76	34.40	27.66	41.9	0.051	1446.4
90.0	-0.45	-0.45	34.47	27.70	37.9	0.053	1448.0
95.0	-0.16	-0.16	34.52	27.72	36.2	0.055	1449.5
100.0	-0.03	-0.03	34.55	27.75	34.1	0.056	1450.2
110.0	0.58	0.57	34.67	27.81	28.1	0.059	1453.3
120.0	1.13	1.13	34.75	27.84	25.8	0.062	1456.1
130.0	1.36	1.36	34.78	27.84	25.3	0.065	1457.3
140.0	1.76	1.75	34.84	27.87	23.4	0.067	1459.3
150.0	1.82	1.81	34.85	27.87	23.5	0.070	1459.7
160.0	1.90	1.89	34.88	27.88	22.2	0.072	1460.3
170.0	1.99	1.98	34.88	27.88	22.2	0.074	1460.9
180.0	1.97	1.96	34.89	27.89	21.7	0.076	1460.9
190.0	2.03	2.02	34.90	27.89	21.5	0.079	1461.4
200.0	2.04	2.03	34.91	27.90	20.9	0.081	1461.6
210.0	2.08	2.07	34.92	27.90	20.7	0.083	1462.0
220.0	2.11	2.10	34.92	27.90	20.8	0.085	1462.3
230.0	2.14	2.13	34.92	27.90	21.1	0.087	1462.6
240.0	2.13	2.12	34.93	27.91	20.2	0.089	1462.7
250.0	2.15	2.14	34.93	27.91	20.2	0.091	1463.0
260.0	2.13	2.12	34.94	27.91	20.0	0.093	1463.1
270.0	2.13	2.12	34.93	27.91	20.3	0.095	1463.2
280.0	2.08	2.06	34.94	27.91	19.6	0.097	1463.1
290.0	2.05	2.03	34.94	27.92	19.6	0.099	1463.2
300.0	2.03	2.01	34.93	27.91	19.7	0.101	1463.3
310.0	2.00	1.98	34.94	27.92	19.2	0.103	1463.3
320.0	1.95	1.93	34.94	27.92	18.9	0.105	1463.3
330.0	1.92	1.90	34.93	27.92	18.8	0.107	1463.3
340.0	1.85	1.83	34.93	27.93	18.5	0.109	1463.1
350.0	1.74	1.72	34.92	27.93	18.3	0.111	1462.8
360.0	1.75	1.73	34.93	27.94	17.8	0.113	1463.0
370.0	1.78	1.76	34.94	27.94	17.5	0.114	1463.4
380.0	1.82	1.79	34.94	27.94	17.5	0.116	1463.7
390.0	1.78	1.76	34.94	27.94	17.5	0.118	1463.7
400.0	1.75	1.73	34.94	27.94	17.4	0.120	1463.7
410.0	1.73	1.71	34.94	27.94	17.2	0.121	1463.8
420.0	1.68	1.66	34.93	27.94	17.6	0.123	1463.7
430.0	1.65	1.63	34.94	27.95	16.5	0.125	1463.8
440.0	1.63	1.60	34.94	27.95	16.5	0.127	1463.8
450.0	1.62	1.59	34.93	27.95	16.8	0.128	1463.9
460.0	1.57	1.55	34.93	27.95	16.4	0.130	1463.9
470.0	1.55	1.52	34.93	27.95	16.3	0.132	1464.0
480.0	1.50	1.48	34.93	27.96	16.1	0.133	1463.9
490.0	1.44	1.41	34.93	27.95	16.1	0.135	1463.8
500.0	1.33	1.30	34.92	27.96	16.0	0.137	1463.5
530.0	1.03	1.00	34.90	27.96	15.0	0.141	1462.6
560.0	0.94	0.91	34.90	27.97	14.4	0.146	1462.7
590.0	0.74	0.71	34.89	27.97	13.8	0.150	1462.3
620.0	0.52	0.49	34.89	27.99	11.8	0.154	1461.8
650.0	0.28	0.25	34.89	28.00	10.1	0.157	1461.2
680.0	0.08	0.05	34.89	28.01	8.9	0.160	1460.8
710.0	-0.11	-0.14	34.89	28.02	7.4	0.163	1460.4
740.0	-0.23	-0.27	34.89	28.03	6.3	0.165	1460.4
790.0	-0.48	-0.51	34.91	28.06	3.3	0.167	1460.1
840.0	-0.68	-0.72	34.93	28.09	0.2	0.168	1460.1
866.8	-0.85	-0.88	34.93	28.09	-0.7	0.168	1459.8

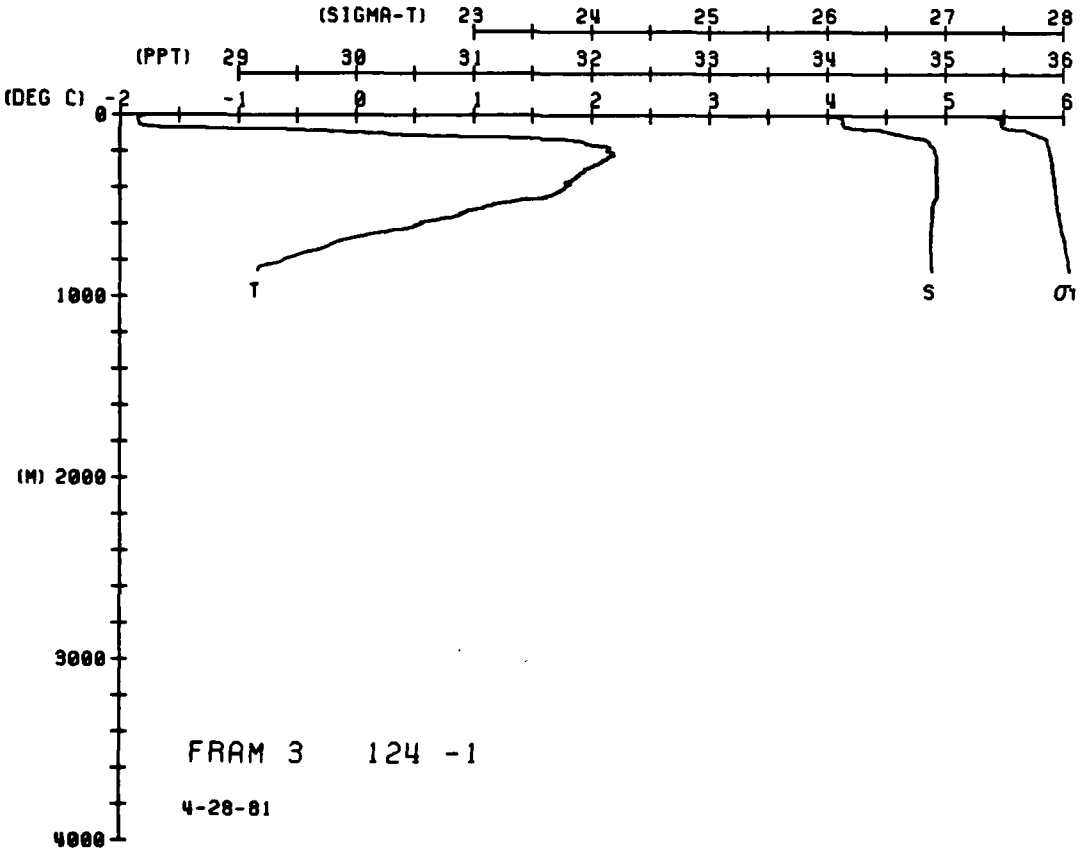

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 123 -1
4-28-81
T
S
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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FRAM 3 123 -1
4-28-81

FRAM 3 STATION 124(1) CTD 26/APR/1981 1454 GMT CODE = 5
LAT = 81.9222N LNG = 5.5225E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

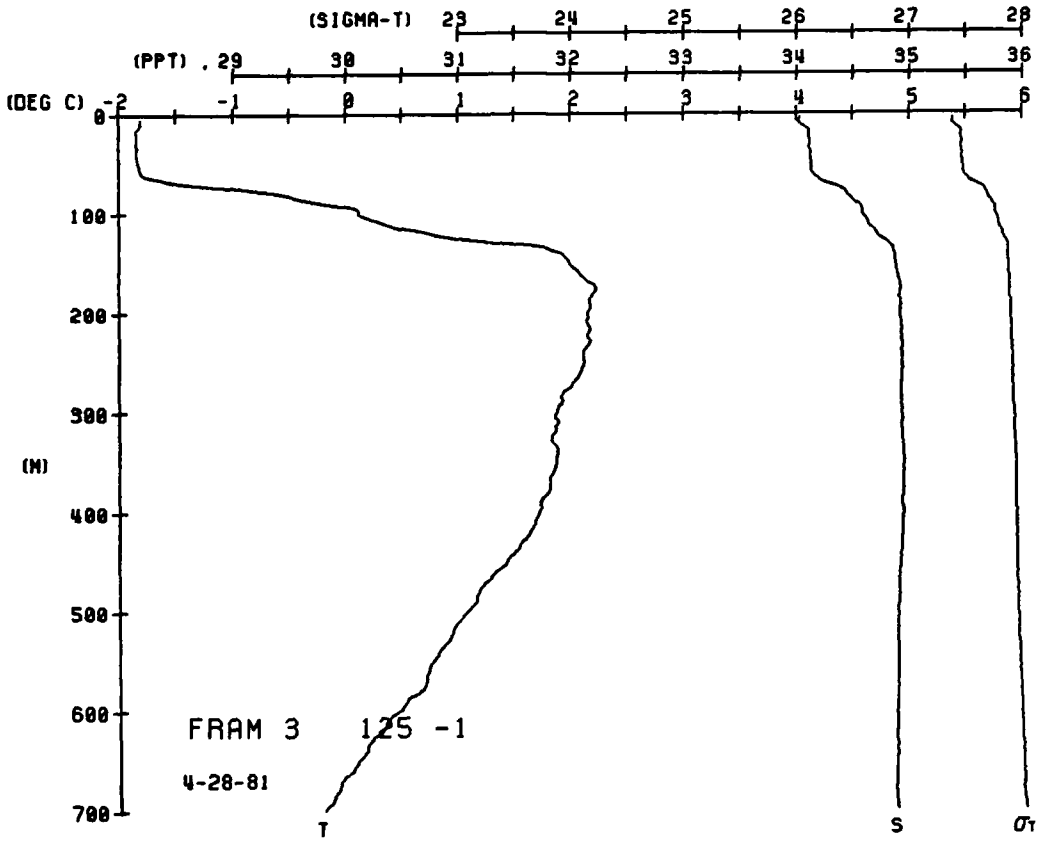
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	33.97	27.35	71.9	0.000	1439.5
4.0	-1.79	-1.79	33.97	27.35	71.8	0.003	1439.6
5.0	-1.80	-1.80	34.00	27.37	69.8	0.004	1439.6
10.0	-1.82	-1.82	34.08	27.44	63.4	0.007	1439.7
15.0	-1.84	-1.84	34.11	27.46	61.4	0.010	1439.7
20.0	-1.85	-1.85	34.13	27.47	59.9	0.013	1439.8
25.0	-1.85	-1.85	34.13	27.47	59.8	0.016	1439.9
30.0	-1.85	-1.85	34.13	27.47	59.6	0.019	1440.0
35.0	-1.85	-1.85	34.13	27.48	59.5	0.022	1440.1
40.0	-1.85	-1.85	34.13	27.48	59.3	0.025	1440.2
45.0	-1.84	-1.84	34.13	27.48	59.3	0.028	1440.2
50.0	-1.84	-1.84	34.13	27.48	59.1	0.031	1440.3
55.0	-1.83	-1.83	34.13	27.48	59.1	0.034	1440.5
60.0	-1.80	-1.80	34.15	27.49	58.2	0.037	1440.7
65.0	-1.76	-1.76	34.15	27.49	57.8	0.040	1441.0
70.0	-1.63	-1.63	34.20	27.53	54.4	0.043	1441.8
75.0	-1.02	-1.03	34.37	27.64	43.8	0.045	1444.9
80.0	-0.52	-0.52	34.47	27.70	38.0	0.048	1447.5
85.0	-0.39	-0.39	34.48	27.71	37.7	0.049	1448.2
90.0	-0.19	-0.19	34.53	27.73	35.2	0.051	1449.3
95.0	-0.04	-0.04	34.56	27.75	33.6	0.053	1450.1
100.0	0.12	0.12	34.59	27.77	32.2	0.055	1450.9
110.0	0.42	0.42	34.65	27.80	28.8	0.058	1452.6
120.0	0.97	0.97	34.75	27.85	24.6	0.060	1455.4
130.0	1.67	1.67	34.84	27.87	23.0	0.063	1458.8
140.0	1.88	1.87	34.87	27.87	22.7	0.065	1459.8
150.0	1.95	1.94	34.87	27.88	22.6	0.067	1460.3
160.0	1.97	1.96	34.88	27.88	22.0	0.070	1460.6
170.0	2.09	2.08	34.91	27.89	21.3	0.072	1461.4
180.0	2.15	2.14	34.91	27.89	21.5	0.074	1461.8
190.0	2.14	2.13	34.92	27.89	21.2	0.076	1461.9
200.0	2.14	2.13	34.92	27.89	21.2	0.078	1462.1
210.0	2.18	2.17	34.93	27.90	20.6	0.081	1462.5
220.0	2.19	2.18	34.94	27.90	20.3	0.083	1462.7
230.0	2.15	2.14	34.93	27.91	20.1	0.085	1462.7
240.0	2.13	2.12	34.93	27.91	20.0	0.087	1462.7
250.0	2.10	2.09	34.93	27.91	19.9	0.089	1462.8
260.0	2.08	2.07	34.94	27.91	19.6	0.091	1462.8
270.0	2.06	2.04	34.93	27.91	19.6	0.093	1462.9
280.0	2.02	2.00	34.93	27.91	19.7	0.095	1462.9
290.0	1.99	1.97	34.93	27.92	19.3	0.097	1462.9
300.0	1.95	1.93	34.93	27.92	18.9	0.099	1462.9
310.0	1.94	1.92	34.93	27.92	19.0	0.100	1463.0
320.0	1.91	1.89	34.93	27.93	18.7	0.102	1463.1
330.0	1.90	1.88	34.94	27.93	18.4	0.104	1463.2
340.0	1.88	1.86	34.93	27.93	18.5	0.106	1463.3
350.0	1.86	1.84	34.93	27.93	18.4	0.108	1463.4
360.0	1.84	1.82	34.94	27.93	18.1	0.110	1463.5
370.0	1.78	1.76	34.93	27.93	18.0	0.112	1463.3
380.0	1.83	1.80	34.94	27.94	17.7	0.113	1463.7
390.0	1.79	1.76	34.94	27.94	17.6	0.115	1463.7
400.0	1.77	1.75	34.94	27.94	17.4	0.117	1463.8
410.0	1.76	1.73	34.94	27.94	17.3	0.119	1463.9
420.0	1.73	1.71	34.94	27.94	17.1	0.121	1463.9
430.0	1.70	1.68	34.94	27.95	16.9	0.122	1464.0
440.0	1.67	1.65	34.94	27.95	16.9	0.124	1464.0
450.0	1.62	1.59	34.94	27.95	16.7	0.126	1463.9
460.0	1.54	1.52	34.93	27.95	16.8	0.127	1463.8
470.0	1.39	1.36	34.91	27.95	16.4	0.129	1463.2
480.0	1.31	1.29	34.91	27.95	16.4	0.131	1463.1
490.0	1.19	1.17	34.91	27.96	15.7	0.132	1462.7
500.0	1.14	1.12	34.90	27.96	15.6	0.134	1462.6
530.0	0.95	0.92	34.90	27.97	14.5	0.138	1462.2
560.0	0.84	0.81	34.90	27.97	13.7	0.143	1462.3
590.0	0.57	0.55	34.89	27.98	12.4	0.147	1461.6
620.0	0.48	0.45	34.89	27.99	12.0	0.150	1461.6
650.0	0.19	0.16	34.88	28.00	10.1	0.154	1460.8
680.0	-0.04	-0.07	34.88	28.01	8.6	0.157	1460.3
710.0	-0.21	-0.24	34.88	28.02	7.4	0.159	1460.0
740.0	-0.31	-0.34	34.88	28.03	6.9	0.161	1460.0
790.0	-0.58	-0.61	34.88	28.04	4.9	0.164	1459.6
840.0	-0.83	-0.86	34.89	28.06	2.8	0.166	1459.3
860.9	-0.83	-0.86	34.88	28.05	2.9	0.167	1459.7

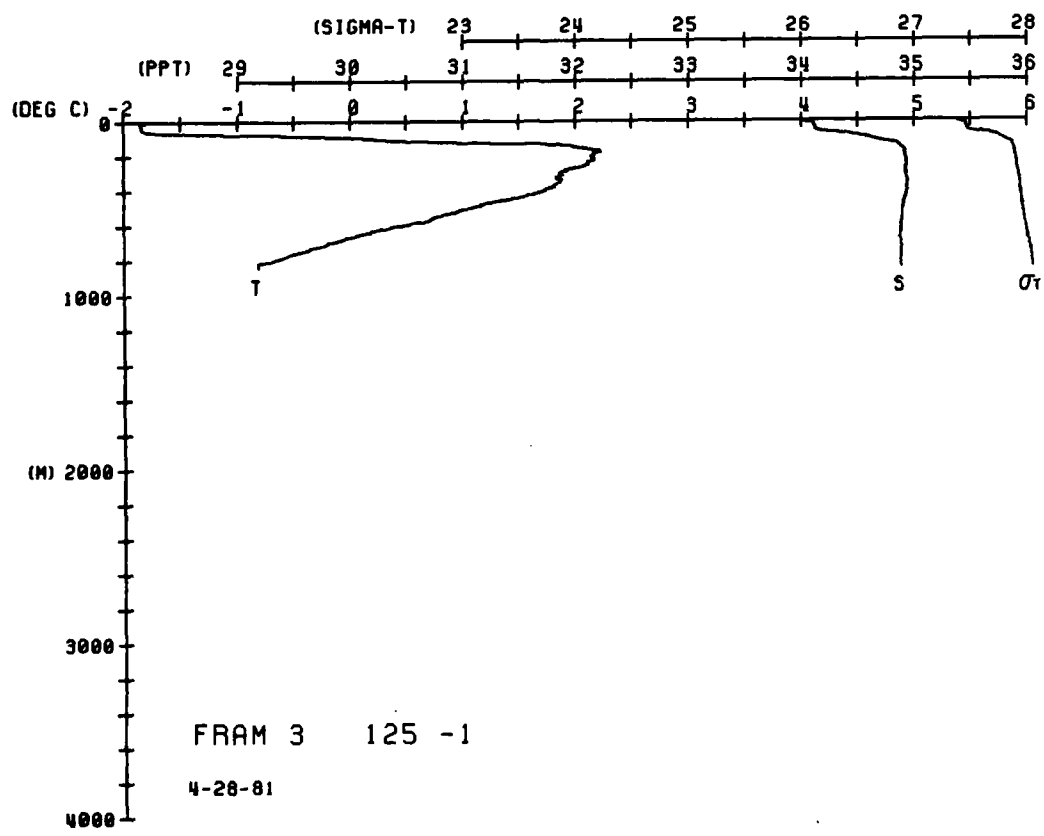

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0
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200
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(M)
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700
FRAM 3 124 -1
4-28-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
3000
4000
FRAM 3 124 -1
4-28-81
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FRAM 3 STATION 125(1) CTD 28/APR/1981 2132 GMT CODE = 5
LAT = 81.9065N LNG = 5.4822E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	34.03	27.40	67.4	0.000	1439.5
4.0	-1.80	-1.81	34.03	27.40	67.3	0.003	1439.6
5.0	-1.80	-1.81	34.03	27.39	67.5	0.003	1439.6
10.0	-1.81	-1.81	34.03	27.39	67.4	0.007	1439.7
15.0	-1.84	-1.84	34.09	27.44	62.8	0.010	1439.7
20.0	-1.85	-1.85	34.12	27.46	60.7	0.013	1439.8
25.0	-1.85	-1.85	34.12	27.46	60.7	0.016	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.2	0.019	1440.0
35.0	-1.84	-1.84	34.11	27.46	60.8	0.022	1440.1
40.0	-1.84	-1.84	34.13	27.47	59.8	0.025	1440.2
45.0	-1.84	-1.84	34.13	27.47	59.7	0.028	1440.3
50.0	-1.83	-1.83	34.13	27.48	59.4	0.031	1440.4
55.0	-1.82	-1.82	34.13	27.48	59.2	0.034	1440.5
60.0	-1.80	-1.80	34.14	27.48	58.8	0.037	1440.7
65.0	-1.65	-1.65	34.18	27.51	55.9	0.040	1441.6
70.0	-1.42	-1.42	34.26	27.56	50.9	0.043	1442.8
75.0	-0.93	-0.94	34.38	27.65	42.9	0.045	1445.4
80.0	-0.58	-0.58	34.45	27.69	39.5	0.048	1447.2
85.0	-0.41	-0.42	34.48	27.71	37.7	0.049	1448.1
90.0	-0.16	-0.16	34.53	27.74	35.0	0.051	1449.4
95.0	0.10	0.09	34.58	27.76	32.6	0.053	1450.7
100.0	0.12	0.12	34.58	27.76	32.4	0.055	1450.9
110.0	0.34	0.34	34.64	27.80	29.4	0.058	1452.2
120.0	0.75	0.74	34.70	27.82	26.8	0.061	1454.3
130.0	1.39	1.39	34.81	27.87	23.1	0.063	1457.5
140.0	1.91	1.90	34.86	27.87	23.0	0.065	1460.0
150.0	1.99	1.99	34.88	27.88	22.6	0.068	1460.5
160.0	2.08	2.07	34.89	27.88	22.2	0.070	1461.1
170.0	2.17	2.16	34.92	27.89	21.3	0.072	1461.7
180.0	2.21	2.20	34.92	27.89	21.8	0.074	1462.1
190.0	2.17	2.15	34.92	27.89	21.1	0.077	1462.0
200.0	2.15	2.14	34.92	27.89	21.2	0.079	1462.1
210.0	2.15	2.14	34.92	27.90	20.9	0.081	1462.3
220.0	2.16	2.15	34.93	27.90	20.6	0.083	1462.5
230.0	2.17	2.15	34.94	27.91	20.2	0.085	1462.7
240.0	2.11	2.10	34.93	27.91	20.1	0.087	1462.6
250.0	2.12	2.11	34.93	27.91	20.2	0.089	1462.8
260.0	2.09	2.08	34.93	27.91	20.0	0.091	1462.9
270.0	2.03	2.01	34.93	27.91	19.6	0.093	1462.8
280.0	1.94	1.92	34.92	27.92	19.3	0.095	1462.5
290.0	1.92	1.91	34.93	27.92	18.9	0.097	1462.6
300.0	1.88	1.86	34.93	27.92	18.7	0.099	1462.6
310.0	1.89	1.88	34.93	27.93	18.6	0.101	1462.8
320.0	1.86	1.84	34.93	27.93	18.4	0.103	1462.8
330.0	1.84	1.83	34.94	27.94	17.7	0.105	1463.0
340.0	1.88	1.86	34.94	27.93	17.9	0.106	1463.3
350.0	1.87	1.85	34.95	27.94	17.5	0.108	1463.4
360.0	1.84	1.82	34.94	27.94	17.7	0.110	1463.5
370.0	1.82	1.80	34.94	27.94	17.4	0.112	1463.5
380.0	1.80	1.78	34.94	27.94	17.5	0.113	1463.6
390.0	1.74	1.72	34.94	27.94	17.4	0.115	1463.5
400.0	1.72	1.70	34.94	27.95	17.0	0.117	1463.6
410.0	1.68	1.66	34.94	27.95	16.9	0.119	1463.6
420.0	1.64	1.62	34.93	27.95	16.9	0.120	1463.5
430.0	1.57	1.55	34.93	27.95	16.8	0.122	1463.4
440.0	1.50	1.47	34.92	27.95	16.6	0.124	1463.2
450.0	1.43	1.40	34.92	27.95	16.3	0.125	1463.1
460.0	1.32	1.30	34.91	27.95	16.0	0.127	1462.8
470.0	1.24	1.22	34.90	27.95	16.2	0.129	1462.6
480.0	1.18	1.15	34.90	27.96	15.7	0.130	1462.4
490.0	1.15	1.13	34.90	27.96	15.5	0.132	1462.5
500.0	1.07	1.05	34.89	27.96	15.6	0.134	1462.3
530.0	0.89	0.87	34.90	27.97	14.0	0.138	1462.0
560.0	0.74	0.71	34.89	27.98	13.3	0.142	1461.8
590.0	0.53	0.50	34.89	27.99	12.2	0.146	1461.3
620.0	0.31	0.28	34.89	28.00	10.8	0.150	1460.9
650.0	0.10	0.07	34.88	28.00	9.7	0.153	1460.4
680.0	-0.08	-0.11	34.88	28.01	8.7	0.155	1460.1
710.0	-0.23	-0.26	34.88	28.02	7.4	0.158	1459.9
740.0	-0.38	-0.41	34.88	28.03	6.6	0.160	1459.7
790.0	-0.64	-0.67	34.88	28.04	4.6	0.163	1459.4
840.0	-0.82	-0.85	34.88	28.05	3.1	0.165	1459.4
844.1	-0.82	-0.85	34.89	28.05	3.0	0.165	1459.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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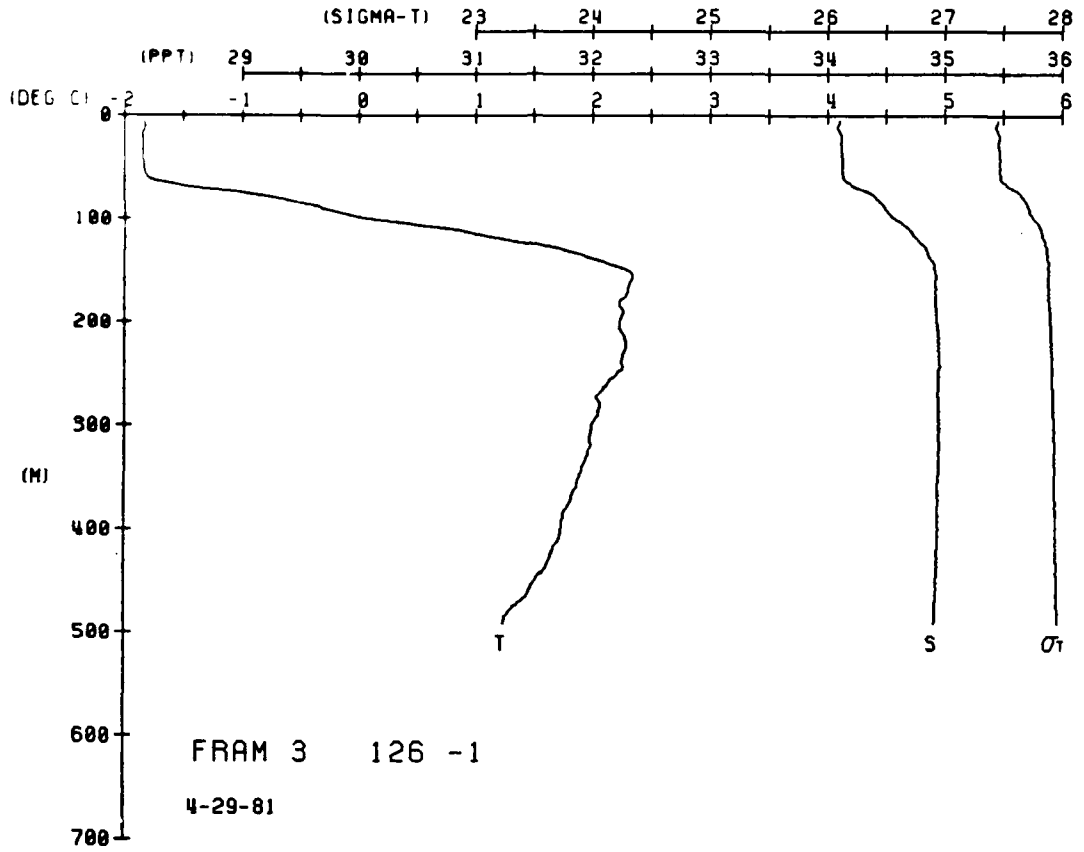

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 125 -1
4-28-81

FRAM 3 STATION 126(1) CTD 29/APR/1981 913 GMT CODE = 5
LAT = 81.9033N LNG = 5.4648E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.11	27.46	61.2	0.000	1439.5
4.0	-1.84	-1.84	34.11	27.46	61.2	0.002	1439.6
5.0	-1.84	-1.84	34.11	27.46	61.5	0.003	1439.6
10.0	-1.82	-1.82	34.09	27.45	62.5	0.006	1439.7
15.0	-1.84	-1.84	34.10	27.45	61.9	0.009	1439.7
20.0	-1.85	-1.85	34.12	27.46	60.6	0.012	1439.8
25.0	-1.85	-1.85	34.12	27.46	60.6	0.016	1439.9
30.0	-1.85	-1.85	34.12	27.46	60.7	0.019	1440.0
35.0	-1.85	-1.85	34.12	27.47	60.1	0.022	1440.1
40.0	-1.84	-1.84	34.12	27.47	60.1	0.025	1440.2
45.0	-1.84	-1.84	34.12	27.47	59.9	0.028	1440.3
50.0	-1.84	-1.84	34.13	27.47	59.7	0.031	1440.4
55.0	-1.82	-1.82	34.13	27.47	59.8	0.034	1440.5
60.0	-1.80	-1.80	34.13	27.48	59.2	0.037	1440.7
65.0	-1.67	-1.67	34.18	27.51	56.1	0.040	1441.5
70.0	-1.39	-1.40	34.25	27.56	51.2	0.042	1443.0
75.0	-0.99	-0.99	34.36	27.63	44.3	0.045	1445.1
80.0	-0.72	-0.72	34.41	27.67	41.4	0.047	1446.5
85.0	-0.50	-0.50	34.46	27.69	38.8	0.049	1447.7
90.0	-0.30	-0.30	34.49	27.71	37.1	0.051	1448.7
95.0	-0.14	-0.14	34.52	27.73	35.7	0.053	1449.6
100.0	0.10	0.09	34.58	27.76	32.9	0.054	1450.8
110.0	0.79	0.78	34.70	27.82	27.7	0.058	1454.3
120.0	1.24	1.23	34.76	27.84	25.6	0.060	1456.5
130.0	1.76	1.75	34.84	27.86	23.5	0.063	1459.1
140.0	2.05	2.04	34.89	27.88	22.2	0.065	1460.6
150.0	2.30	2.29	34.92	27.88	22.1	0.067	1462.0
160.0	2.32	2.31	34.92	27.88	22.2	0.070	1462.2
170.0	2.30	2.29	34.92	27.88	21.9	0.072	1462.3
180.0	2.23	2.22	34.92	27.89	21.8	0.074	1462.1
190.0	2.26	2.25	34.93	27.89	21.4	0.076	1462.4
200.0	2.22	2.21	34.93	27.90	20.9	0.078	1462.5
210.0	2.25	2.24	34.94	27.90	20.4	0.080	1462.8
220.0	2.28	2.27	34.95	27.91	20.3	0.082	1463.1
230.0	2.26	2.25	34.95	27.91	20.2	0.085	1463.1
240.0	2.24	2.23	34.95	27.91	19.8	0.087	1463.2
250.0	2.20	2.18	34.94	27.91	19.9	0.089	1463.2
260.0	2.12	2.11	34.94	27.91	19.7	0.091	1463.0
270.0	2.04	2.03	34.93	27.92	19.4	0.093	1462.8
280.0	2.06	2.04	34.94	27.92	19.0	0.094	1463.1
290.0	2.04	2.02	34.94	27.92	19.1	0.096	1463.1
300.0	1.99	1.97	34.94	27.93	18.5	0.098	1463.1
310.0	1.98	1.96	34.94	27.93	18.6	0.100	1463.2
320.0	1.98	1.96	34.95	27.93	18.3	0.102	1463.4
330.0	1.95	1.93	34.94	27.93	18.4	0.104	1463.4
340.0	1.91	1.89	34.94	27.93	18.3	0.106	1463.4
350.0	1.88	1.86	34.94	27.93	18.1	0.108	1463.4
360.0	1.85	1.83	34.94	27.93	18.2	0.109	1463.5
370.0	1.82	1.79	34.94	27.94	17.7	0.111	1463.5
380.0	1.77	1.75	34.93	27.94	17.8	0.113	1463.5
390.0	1.74	1.72	34.94	27.94	17.3	0.115	1463.5
400.0	1.73	1.70	34.94	27.94	17.2	0.117	1463.6
410.0	1.71	1.68	34.93	27.94	17.3	0.118	1463.7
420.0	1.65	1.63	34.93	27.94	17.5	0.120	1463.6
430.0	1.62	1.60	34.93	27.94	17.1	0.122	1463.6
440.0	1.57	1.55	34.93	27.95	16.9	0.124	1463.6
450.0	1.50	1.47	34.92	27.95	16.8	0.125	1463.4
460.0	1.45	1.43	34.92	27.95	16.6	0.127	1463.3
470.0	1.37	1.35	34.91	27.95	16.4	0.129	1463.2
480.0	1.28	1.25	34.91	27.95	16.0	0.130	1462.9
490.0	1.24	1.21	34.91	27.95	15.8	0.132	1462.9
492.1	1.23	1.20	34.91	27.96	15.6	0.132	1462.9

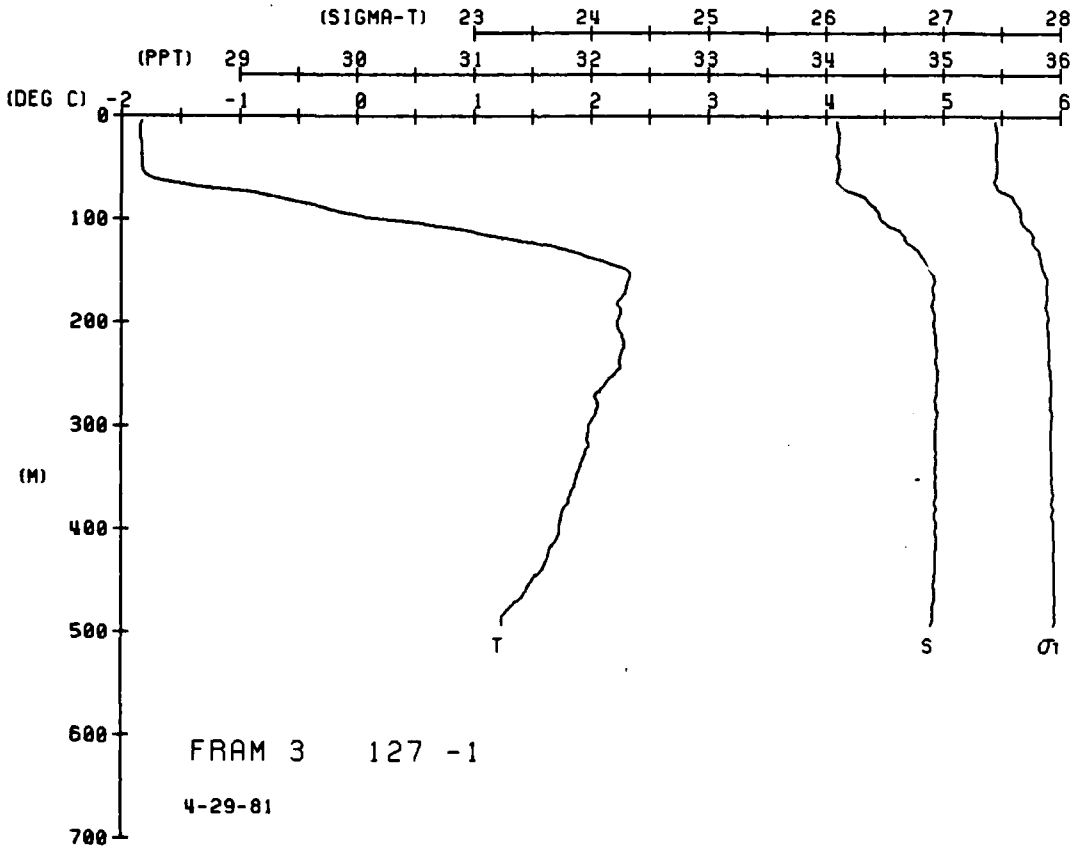
FRAM 3 STATION 127(1) CTD 29/APR/1981 917 GMT CODE = 5
LAT = 81.9033N LNG = 5.4648E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	34.10	27.45	62.3	0.000	1439.5
4.0	-1.83	-1.83	34.10	27.45	62.3	0.002	1439.6
5.0	-1.83	-1.83	34.10	27.45	62.3	0.003	1439.6
10.0	-1.84	-1.84	34.10	27.45	62.0	0.006	1439.6
15.0	-1.84	-1.84	34.11	27.46	61.3	0.009	1439.7
20.0	-1.84	-1.84	34.11	27.46	61.0	0.013	1439.8
25.0	-1.83	-1.83	34.11	27.46	61.1	0.016	1439.9
30.0	-1.83	-1.83	34.11	27.45	61.5	0.019	1440.0
35.0	-1.83	-1.83	34.10	27.45	61.8	0.022	1440.1
40.0	-1.83	-1.83	34.10	27.45	61.7	0.025	1440.2
45.0	-1.83	-1.83	34.11	27.46	61.0	0.028	1440.3
50.0	-1.82	-1.82	34.12	27.46	60.6	0.031	1440.4
55.0	-1.80	-1.80	34.11	27.46	61.1	0.034	1440.6
60.0	-1.74	-1.74	34.10	27.45	61.9	0.037	1440.9
65.0	-1.54	-1.55	34.10	27.44	62.6	0.040	1441.9
70.0	-1.22	-1.22	34.15	27.47	60.1	0.044	1443.6
75.0	-0.84	-0.84	34.25	27.54	53.2	0.046	1445.6
80.0	-0.63	-0.63	34.35	27.61	46.7	0.049	1446.8
85.0	-0.40	-0.41	34.39	27.64	44.4	0.051	1448.0
90.0	-0.23	-0.23	34.43	27.66	42.0	0.053	1449.0
95.0	-0.05	-0.06	34.46	27.67	40.9	0.055	1449.9
100.0	0.24	0.23	34.48	27.67	41.1	0.058	1451.3
110.0	0.88	0.88	34.61	27.74	34.7	0.061	1454.6
120.0	1.34	1.33	34.69	27.77	32.2	0.065	1456.9
130.0	1.81	1.80	34.80	27.82	27.4	0.068	1459.3
140.0	2.08	2.07	34.85	27.84	25.6	0.070	1460.7
150.0	2.32	2.31	34.90	27.87	23.6	0.073	1462.0
160.0	2.32	2.31	34.94	27.89	21.1	0.075	1462.2
170.0	2.30	2.29	34.92	27.89	21.9	0.077	1462.3
180.0	2.23	2.22	34.92	27.89	21.7	0.080	1462.1
190.0	2.26	2.25	34.93	27.89	21.2	0.082	1462.4
200.0	2.23	2.22	34.93	27.89	21.2	0.084	1462.5
210.0	2.26	2.25	34.94	27.90	20.6	0.086	1462.8
220.0	2.29	2.27	34.94	27.90	20.4	0.088	1463.1
230.0	2.26	2.25	34.95	27.91	20.0	0.090	1463.1
240.0	2.25	2.24	34.95	27.91	20.2	0.092	1463.3
250.0	2.20	2.18	34.95	27.92	19.1	0.094	1463.2
260.0	2.12	2.11	34.95	27.92	18.8	0.096	1463.0
270.0	2.04	2.02	34.95	27.93	18.5	0.098	1462.8
280.0	2.06	2.04	34.94	27.92	19.0	0.100	1463.1
290.0	2.04	2.02	34.95	27.93	18.1	0.102	1463.2
300.0	1.99	1.97	34.95	27.93	18.0	0.104	1463.1
310.0	1.98	1.96	34.94	27.93	18.6	0.105	1463.2
320.0	1.98	1.96	34.94	27.93	18.5	0.107	1463.4
330.0	1.95	1.93	34.94	27.93	18.2	0.109	1463.4
340.0	1.91	1.90	34.94	27.93	18.0	0.111	1463.4
350.0	1.88	1.86	34.94	27.94	17.7	0.113	1463.5
360.0	1.85	1.83	34.95	27.94	17.3	0.115	1463.5
370.0	1.82	1.80	34.94	27.94	17.4	0.116	1463.5
380.0	1.77	1.75	34.95	27.95	16.8	0.118	1463.5
390.0	1.75	1.73	34.94	27.94	17.1	0.120	1463.5
400.0	1.73	1.71	34.94	27.95	16.8	0.122	1463.6
410.0	1.71	1.68	34.95	27.95	16.3	0.123	1463.7
420.0	1.65	1.63	34.94	27.95	16.2	0.125	1463.6
430.0	1.62	1.60	34.94	27.95	16.2	0.126	1463.7
440.0	1.57	1.55	34.94	27.96	15.7	0.128	1463.6
450.0	1.50	1.47	34.93	27.95	16.1	0.130	1463.4
460.0	1.45	1.42	34.93	27.96	15.6	0.131	1463.4
470.0	1.37	1.35	34.93	27.96	15.3	0.133	1463.2
480.0	1.28	1.25	34.92	27.96	15.3	0.134	1462.9
490.0	1.24	1.21	34.91	27.96	15.4	0.136	1462.9
493.1	1.24	1.21	34.90	27.95	16.1	0.136	1462.9



FRAM 3 126 -1

4-29-81

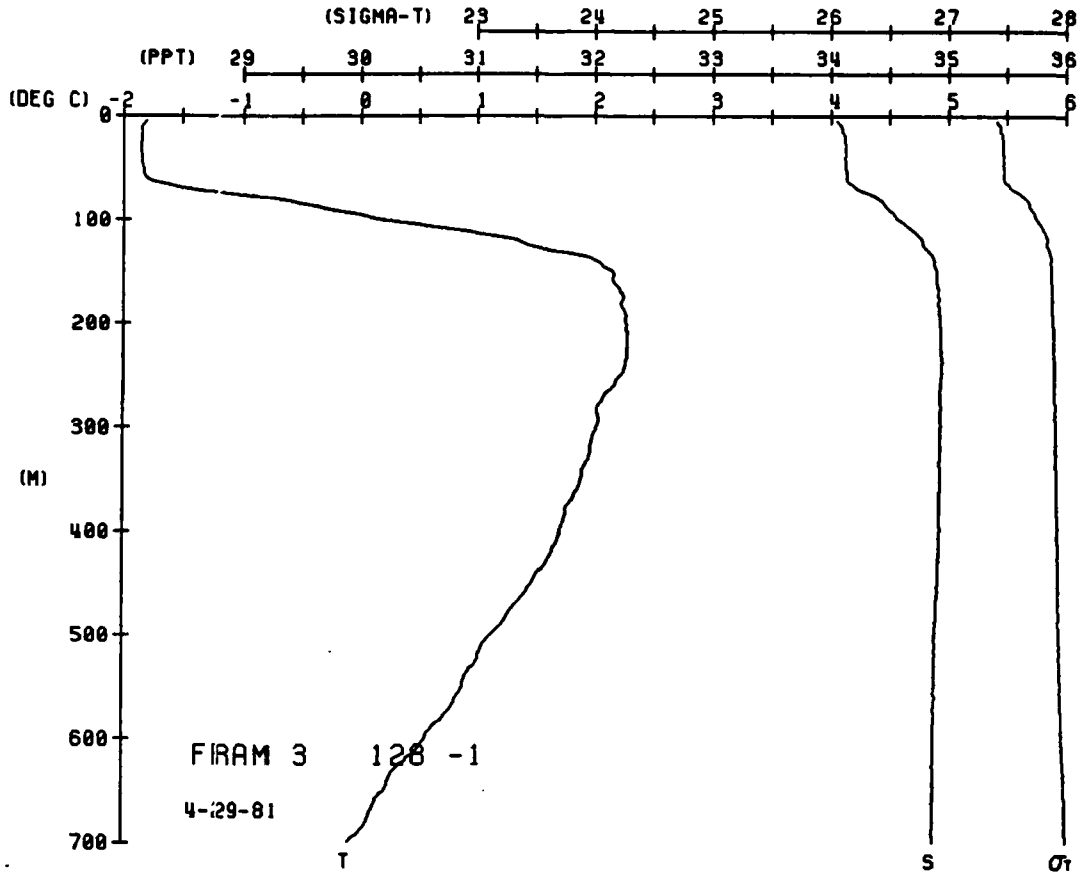


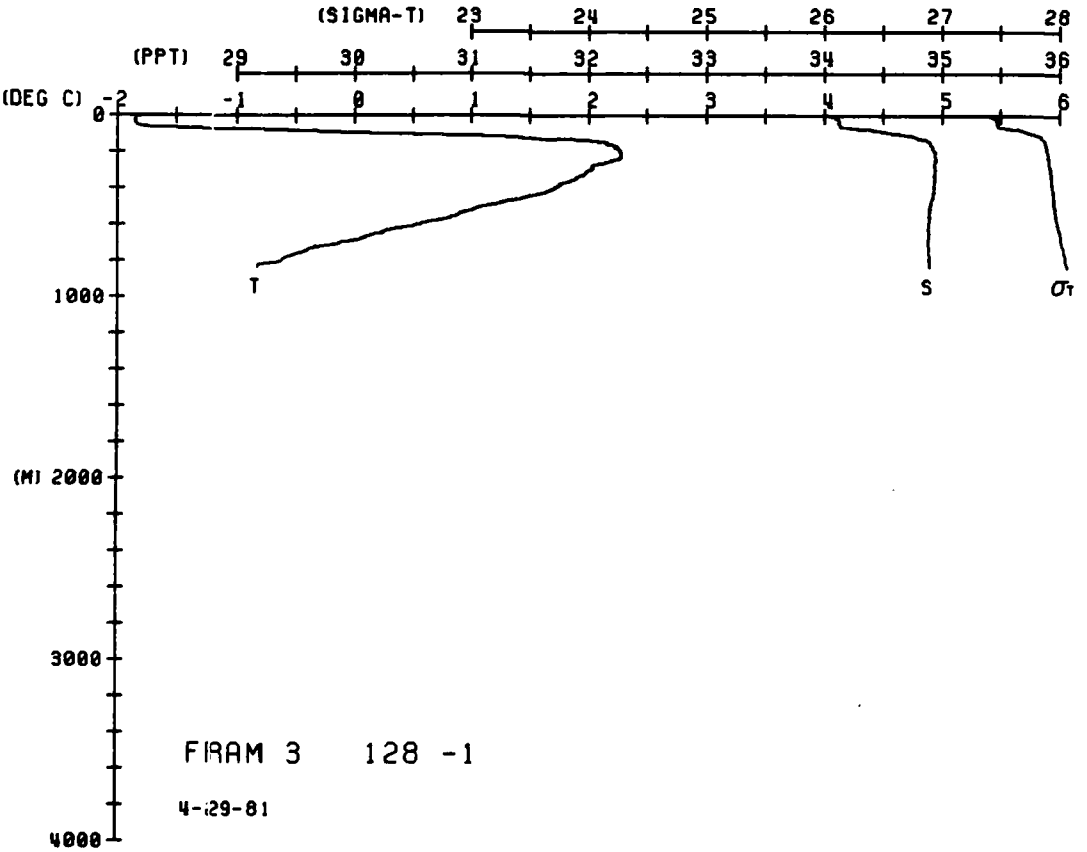
FRAM 3 127 -1

4-29-81

FRAM 3 STATION 128(1) CTD 29/APR/1981 1050 GMT CODE = 5
LAT = 81.9027N LNG = 5.4662E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	34.04	27.40	66.7	0.000	1439.6
4.0	-1.79	-1.79	34.04	27.40	66.7	0.003	1439.7
5.0	-1.80	-1.80	34.05	27.41	65.8	0.003	1439.7
10.0	-1.84	-1.84	34.09	27.44	62.7	0.007	1439.6
15.0	-1.84	-1.84	34.10	27.45	62.2	0.010	1439.7
20.0	-1.85	-1.85	34.12	27.46	60.7	0.013	1439.8
25.0	-1.85	-1.85	34.12	27.47	60.3	0.016	1439.9
30.0	-1.85	-1.85	34.13	27.47	59.9	0.019	1440.0
35.0	-1.85	-1.85	34.13	27.47	59.8	0.022	1440.0
40.0	-1.84	-1.84	34.13	27.47	59.8	0.025	1440.2
45.0	-1.84	-1.84	34.13	27.47	59.9	0.028	1440.3
50.0	-1.83	-1.83	34.13	27.47	59.5	0.031	1440.4
55.0	-1.82	-1.82	34.13	27.47	59.5	0.034	1440.5
60.0	-1.80	-1.80	34.14	27.48	59.0	0.037	1440.7
65.0	-1.69	-1.69	34.17	27.50	56.8	0.040	1441.4
70.0	-1.46	-1.46	34.23	27.54	53.0	0.043	1442.6
75.0	-1.13	-1.13	34.33	27.62	45.8	0.045	1444.4
80.0	-0.73	-0.73	34.41	27.67	41.4	0.047	1446.5
85.0	-0.47	-0.48	34.46	27.69	38.9	0.050	1447.8
90.0	-0.27	-0.27	34.50	27.71	36.9	0.051	1448.9
95.0	-0.02	-0.02	34.55	27.74	34.6	0.053	1450.2
100.0	0.19	0.19	34.58	27.76	32.7	0.055	1451.2
110.0	0.84	0.83	34.70	27.81	27.9	0.058	1454.5
120.0	1.35	1.34	34.78	27.84	25.2	0.061	1457.1
130.0	1.67	1.66	34.84	27.87	23.2	0.063	1458.7
140.0	2.04	2.04	34.88	27.88	22.6	0.065	1460.6
150.0	2.16	2.15	34.90	27.88	22.4	0.068	1461.3
160.0	2.17	2.16	34.91	27.88	21.9	0.070	1461.5
170.0	2.24	2.23	34.92	27.88	22.0	0.072	1462.0
180.0	2.23	2.22	34.92	27.89	21.5	0.074	1462.1
190.0	2.27	2.26	34.93	27.90	21.0	0.077	1462.5
200.0	2.28	2.26	34.94	27.90	20.9	0.079	1462.7
210.0	2.29	2.27	34.94	27.90	20.4	0.081	1462.9
220.0	2.28	2.27	34.94	27.90	20.5	0.083	1463.1
230.0	2.28	2.27	34.95	27.91	20.1	0.085	1463.2
240.0	2.27	2.25	34.95	27.91	19.8	0.087	1463.3
250.0	2.22	2.20	34.95	27.91	19.8	0.089	1463.3
260.0	2.16	2.15	34.94	27.91	19.9	0.091	1463.2
270.0	2.07	2.06	34.94	27.91	19.6	0.093	1463.0
280.0	2.03	2.01	34.94	27.92	19.0	0.095	1462.9
290.0	2.04	2.02	34.94	27.92	19.0	0.097	1463.2
300.0	2.02	2.00	34.94	27.92	18.7	0.099	1463.2
310.0	1.98	1.96	34.94	27.93	18.5	0.101	1463.2
320.0	1.98	1.96	34.94	27.93	18.5	0.102	1463.4
330.0	1.95	1.93	34.94	27.93	18.4	0.104	1463.4
340.0	1.90	1.89	34.94	27.93	18.2	0.106	1463.4
350.0	1.89	1.88	34.94	27.93	18.2	0.108	1463.5
360.0	1.85	1.83	34.94	27.93	18.0	0.110	1463.5
370.0	1.80	1.78	34.94	27.94	17.8	0.112	1463.4
380.0	1.76	1.74	34.93	27.94	17.8	0.113	1463.4
390.0	1.74	1.72	34.93	27.94	17.5	0.115	1463.5
400.0	1.71	1.69	34.94	27.94	17.2	0.117	1463.5
410.0	1.69	1.66	34.93	27.94	17.3	0.119	1463.6
420.0	1.64	1.62	34.93	27.95	17.0	0.120	1463.5
430.0	1.59	1.57	34.93	27.95	17.0	0.122	1463.5
440.0	1.51	1.49	34.93	27.95	16.5	0.124	1463.3
450.0	1.47	1.44	34.92	27.95	16.6	0.126	1463.3
460.0	1.41	1.39	34.92	27.95	16.3	0.127	1463.2
470.0	1.33	1.30	34.92	27.95	15.9	0.129	1463.0
480.0	1.27	1.24	34.91	27.95	15.9	0.130	1462.9
490.0	1.21	1.18	34.90	27.95	16.0	0.132	1462.7
500.0	1.12	1.09	34.90	27.96	15.7	0.134	1462.5
530.0	0.97	0.94	34.90	27.96	14.8	0.138	1462.3
560.0	0.83	0.80	34.90	27.98	13.5	0.143	1462.2
590.0	0.61	0.58	34.89	27.98	12.9	0.147	1461.7
620.0	0.39	0.36	34.89	27.99	11.3	0.150	1461.2
650.0	0.21	0.18	34.88	28.00	10.1	0.154	1460.9
680.0	0.06	0.03	34.89	28.01	9.0	0.157	1460.7
710.0	-0.17	-0.20	34.88	28.02	7.7	0.159	1460.2
740.0	-0.40	-0.43	34.89	28.04	5.7	0.161	1459.6
790.0	-0.61	-0.64	34.89	28.05	4.2	0.164	1459.5
838.2	-0.83	-0.86	34.90	28.07	1.6	0.165	1459.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FIRAM 3 128 -1
4-29-81
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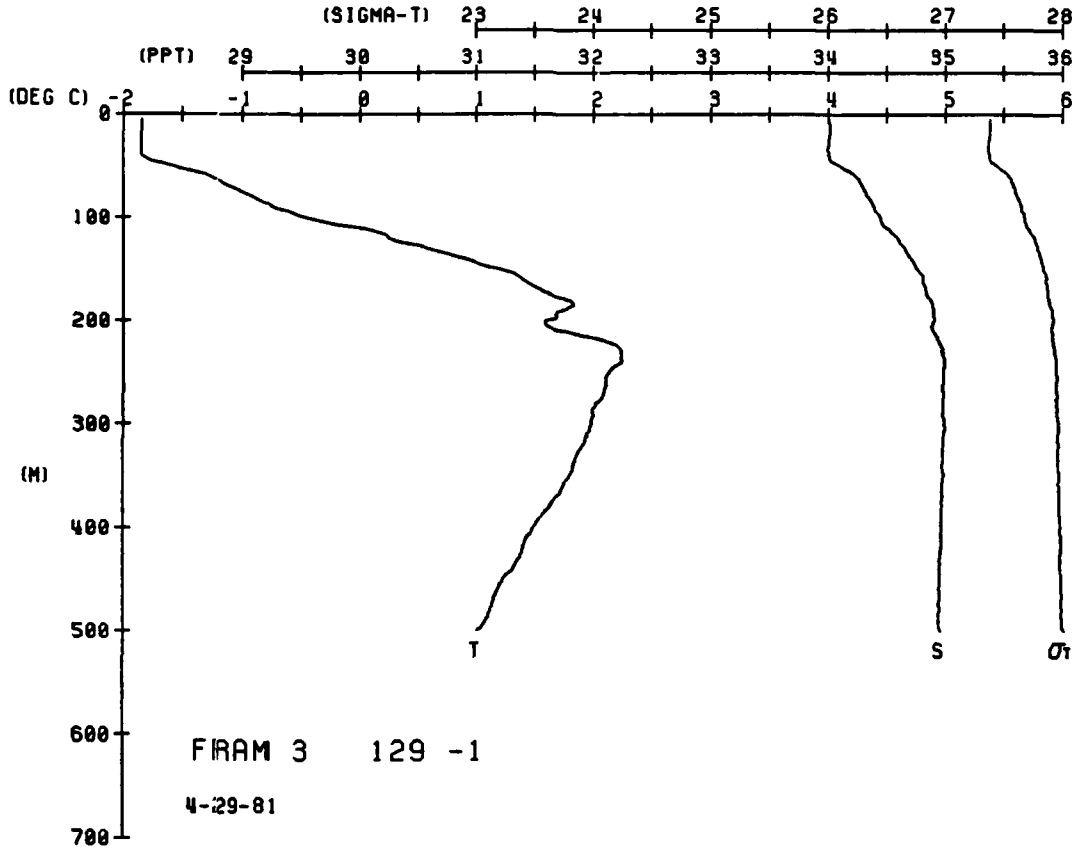

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FIRAM 3 128 -1
4-29-81
T
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FRAM 3 STATION 129(1) CTD 29/APR/1981 1116 GMT CODE = 5
LAT = 81.9950N LNG = 9.8533E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.01	27.38	68.8	0.000	1439.3
4.0	-1.84	-1.84	34.01	27.38	68.8	0.003	1439.4
5.0	-1.84	-1.84	34.01	27.38	68.7	0.003	1439.4
10.0	-1.85	-1.85	34.02	27.38	68.3	0.007	1439.5
15.0	-1.85	-1.85	34.02	27.38	68.4	0.010	1439.6
20.0	-1.85	-1.85	34.02	27.38	68.4	0.014	1439.7
25.0	-1.85	-1.85	34.01	27.38	68.6	0.017	1439.7
30.0	-1.85	-1.85	34.01	27.38	68.9	0.021	1439.8
35.0	-1.85	-1.85	34.00	27.37	69.3	0.024	1439.9
40.0	-1.84	-1.84	34.02	27.38	68.4	0.028	1440.0
45.0	-1.75	-1.75	34.03	27.39	67.1	0.031	1440.5
50.0	-1.60	-1.60	34.10	27.45	62.2	0.034	1441.5
55.0	-1.42	-1.42	34.18	27.51	56.5	0.037	1442.5
60.0	-1.27	-1.27	34.25	27.55	52.0	0.040	1443.4
65.0	-1.19	-1.19	34.28	27.57	50.1	0.043	1443.8
70.0	-1.10	-1.11	34.30	27.59	48.3	0.045	1444.4
75.0	-1.00	-1.01	34.32	27.60	47.2	0.048	1445.0
80.0	-0.91	-0.91	34.35	27.62	45.4	0.050	1445.5
85.0	-0.82	-0.82	34.38	27.64	43.5	0.052	1446.1
90.0	-0.74	-0.74	34.40	27.65	42.6	0.054	1446.6
95.0	-0.59	-0.59	34.42	27.67	41.1	0.057	1447.4
100.0	-0.45	-0.46	34.45	27.68	39.7	0.059	1448.1
110.0	0.00	0.00	34.51	27.71	37.5	0.062	1450.4
120.0	0.26	0.26	34.60	27.77	31.9	0.066	1451.9
130.0	0.60	0.59	34.66	27.80	29.2	0.069	1453.7
140.0	0.92	0.91	34.72	27.83	26.9	0.072	1455.4
150.0	1.20	1.19	34.77	27.85	25.1	0.075	1456.9
160.0	1.41	1.40	34.81	27.87	23.3	0.077	1458.0
170.0	1.55	1.54	34.84	27.88	22.2	0.079	1458.9
180.0	1.80	1.79	34.88	27.89	21.0	0.082	1460.2
190.0	1.71	1.70	34.90	27.92	18.7	0.084	1460.0
200.0	1.61	1.60	34.91	27.93	17.8	0.085	1459.7
210.0	1.76	1.75	34.90	27.91	19.1	0.087	1460.5
220.0	2.13	2.12	34.95	27.92	18.6	0.089	1462.4
230.0	2.24	2.23	34.98	27.93	17.6	0.091	1463.1
240.0	2.24	2.23	34.99	27.95	16.4	0.093	1463.3
250.0	2.13	2.12	34.99	27.95	16.1	0.094	1463.0
260.0	2.11	2.10	34.98	27.95	16.2	0.096	1463.0
270.0	2.09	2.07	34.99	27.95	15.9	0.098	1463.1
280.0	2.03	2.01	34.99	27.96	15.3	0.099	1463.0
290.0	2.00	1.98	34.98	27.96	15.4	0.101	1463.0
300.0	1.99	1.97	35.00	27.97	14.4	0.102	1463.2
310.0	1.95	1.93	34.99	27.97	14.7	0.104	1463.1
320.0	1.92	1.90	34.99	27.97	14.6	0.105	1463.2
330.0	1.87	1.85	34.99	27.97	14.4	0.107	1463.1
340.0	1.84	1.82	34.98	27.97	14.5	0.108	1463.1
350.0	1.79	1.78	34.99	27.98	13.4	0.110	1463.1
360.0	1.74	1.72	34.98	27.98	13.8	0.111	1463.1
370.0	1.69	1.67	34.98	27.98	13.2	0.112	1463.0
380.0	1.63	1.61	34.98	27.98	13.4	0.114	1462.9
390.0	1.55	1.53	34.97	27.98	13.1	0.115	1462.7
400.0	1.49	1.47	34.98	27.99	12.4	0.116	1462.6
410.0	1.44	1.41	34.97	27.99	12.1	0.118	1462.5
420.0	1.41	1.38	34.97	27.99	12.2	0.119	1462.6
430.0	1.37	1.35	34.96	27.99	12.9	0.120	1462.5
440.0	1.32	1.30	34.96	27.99	12.6	0.121	1462.5
450.0	1.23	1.21	34.96	28.00	11.8	0.123	1462.3
460.0	1.19	1.16	34.95	28.00	11.9	0.124	1462.2
470.0	1.15	1.13	34.95	28.00	11.7	0.125	1462.3
480.0	1.12	1.10	34.95	28.00	11.4	0.126	1462.3
490.0	1.09	1.06	34.95	28.00	11.2	0.127	1462.3
499.0	1.02	1.00	34.97	28.02	9.8	0.128	1462.1

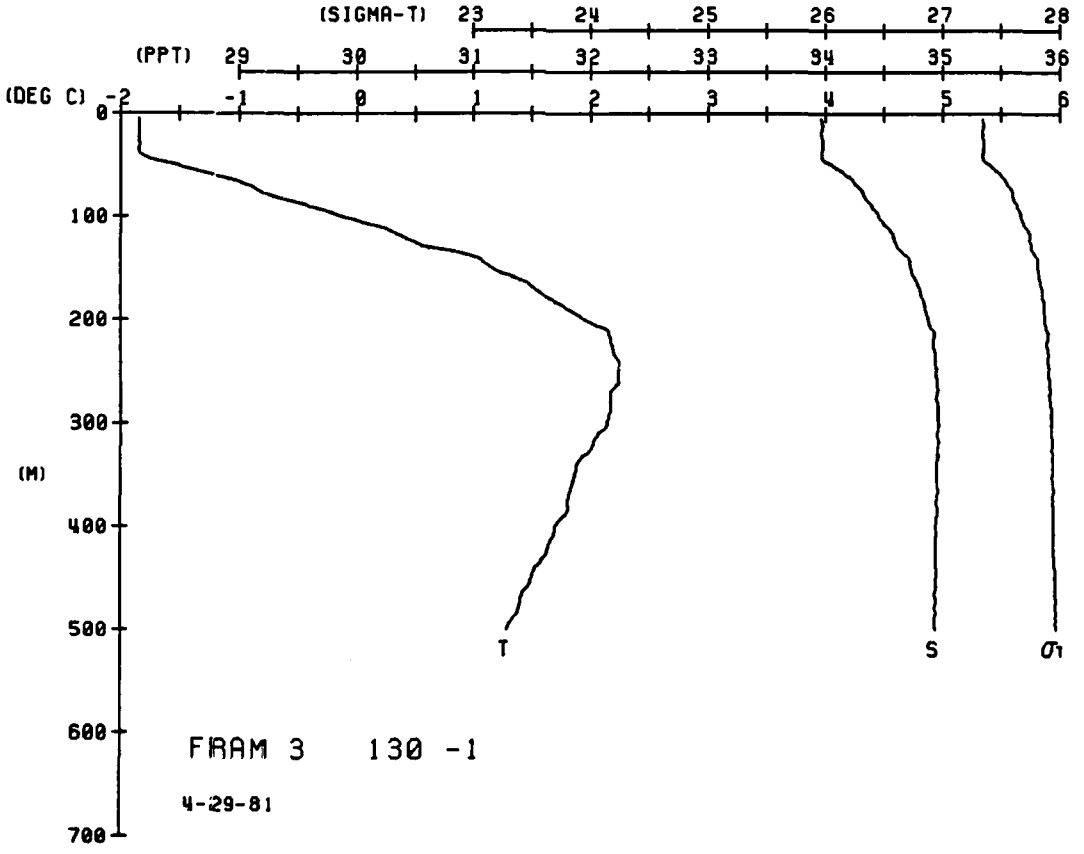
FRAM 3 STATION 130(1) CTD 29/APR/1981 1427 GMT CODE = 5
LAT = 82.3183N LNG = 8.9333E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	33.97	27.34	72.5	0.000	1439.3
4.0	-1.84	-1.84	33.97	27.34	72.5	0.003	1439.3
5.0	-1.84	-1.84	33.97	27.34	72.4	0.004	1439.4
10.0	-1.85	-1.85	33.98	27.35	71.3	0.007	1439.4
15.0	-1.84	-1.84	33.97	27.35	71.8	0.011	1439.5
20.0	-1.84	-1.84	33.97	27.34	72.1	0.015	1439.6
25.0	-1.84	-1.84	33.98	27.35	71.4	0.018	1439.7
30.0	-1.84	-1.84	33.98	27.35	71.4	0.022	1439.8
35.0	-1.84	-1.84	33.98	27.35	71.3	0.025	1439.9
40.0	-1.83	-1.83	33.97	27.35	71.7	0.029	1440.0
45.0	-1.72	-1.72	33.99	27.36	70.8	0.033	1440.6
50.0	-1.53	-1.53	34.06	27.41	65.7	0.036	1441.7
55.0	-1.38	-1.38	34.13	27.46	60.8	0.039	1442.6
60.0	-1.20	-1.20	34.19	27.50	56.8	0.042	1443.6
65.0	-1.04	-1.04	34.24	27.54	53.4	0.045	1444.5
70.0	-0.91	-0.91	34.28	27.56	51.0	0.048	1445.2
75.0	-0.84	-0.84	34.32	27.59	48.2	0.050	1445.7
80.0	-0.73	-0.73	34.33	27.60	47.4	0.053	1446.3
85.0	-0.54	-0.54	34.37	27.62	45.8	0.055	1447.4
90.0	-0.39	-0.39	34.40	27.64	43.9	0.057	1448.2
95.0	-0.24	-0.25	34.44	27.66	41.7	0.059	1449.0
100.0	-0.11	-0.12	34.46	27.67	40.9	0.061	1449.7
110.0	0.21	0.20	34.53	27.71	37.0	0.065	1451.4
120.0	0.41	0.40	34.58	27.75	34.0	0.069	1452.6
130.0	0.66	0.66	34.63	27.77	32.4	0.072	1453.9
140.0	1.05	1.04	34.72	27.82	27.8	0.075	1456.0
150.0	1.17	1.16	34.73	27.82	27.6	0.078	1456.7
160.0	1.39	1.38	34.77	27.84	26.1	0.081	1457.9
170.0	1.53	1.52	34.81	27.86	24.3	0.083	1458.7
180.0	1.68	1.67	34.84	27.87	23.6	0.086	1459.6
190.0	1.82	1.81	34.86	27.88	22.7	0.088	1460.4
200.0	1.97	1.96	34.88	27.88	22.3	0.090	1461.3
210.0	2.15	2.14	34.93	27.90	20.5	0.093	1462.3
220.0	2.17	2.16	34.93	27.90	20.9	0.095	1462.6
230.0	2.20	2.19	34.94	27.90	20.3	0.097	1462.9
240.0	2.25	2.24	34.94	27.91	20.4	0.099	1463.2
250.0	2.24	2.23	34.95	27.91	20.0	0.101	1463.4
260.0	2.24	2.23	34.96	27.92	19.5	0.103	1463.6
270.0	2.17	2.16	34.96	27.92	18.7	0.105	1463.4
280.0	2.17	2.16	34.96	27.93	18.5	0.107	1463.6
290.0	2.16	2.15	34.97	27.93	18.1	0.109	1463.7
300.0	2.14	2.12	34.97	27.94	17.8	0.110	1463.8
310.0	2.07	2.05	34.96	27.93	18.0	0.112	1463.7
320.0	2.02	2.00	34.97	27.94	17.0	0.114	1463.6
330.0	1.96	1.94	34.97	27.95	16.5	0.116	1463.5
340.0	1.89	1.87	34.96	27.95	16.8	0.117	1463.4
350.0	1.87	1.86	34.95	27.94	17.0	0.119	1463.4
360.0	1.84	1.82	34.96	27.95	16.6	0.121	1463.5
370.0	1.82	1.80	34.95	27.95	16.5	0.122	1463.5
380.0	1.82	1.79	34.96	27.95	16.2	0.124	1463.7
390.0	1.77	1.75	34.96	27.96	15.8	0.126	1463.7
400.0	1.70	1.68	34.95	27.95	16.2	0.127	1463.5
410.0	1.68	1.65	34.95	27.96	15.8	0.129	1463.6
420.0	1.64	1.62	34.95	27.96	15.6	0.131	1463.6
430.0	1.59	1.57	34.95	27.96	15.4	0.132	1463.5
440.0	1.53	1.51	34.96	27.97	14.4	0.134	1463.4
450.0	1.50	1.48	34.95	27.97	14.5	0.135	1463.4
460.0	1.45	1.42	34.95	27.97	14.1	0.137	1463.4
470.0	1.41	1.39	34.95	27.98	13.8	0.138	1463.4
480.0	1.39	1.36	34.95	27.97	14.2	0.139	1463.5
490.0	1.33	1.31	34.94	27.98	14.0	0.141	1463.4
500.0	1.29	1.26	34.95	27.98	13.4	0.142	1463.3
500.0	1.29	1.26	34.95	27.98	13.4	0.142	1463.3



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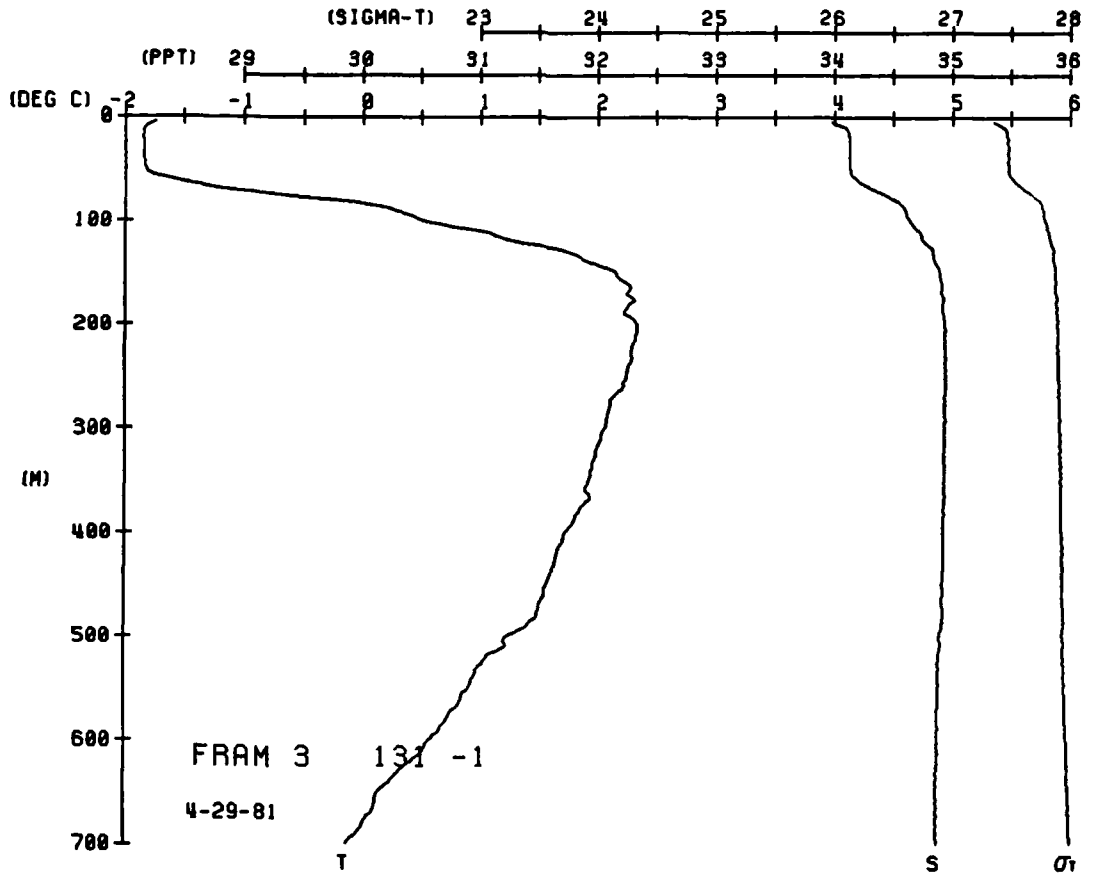


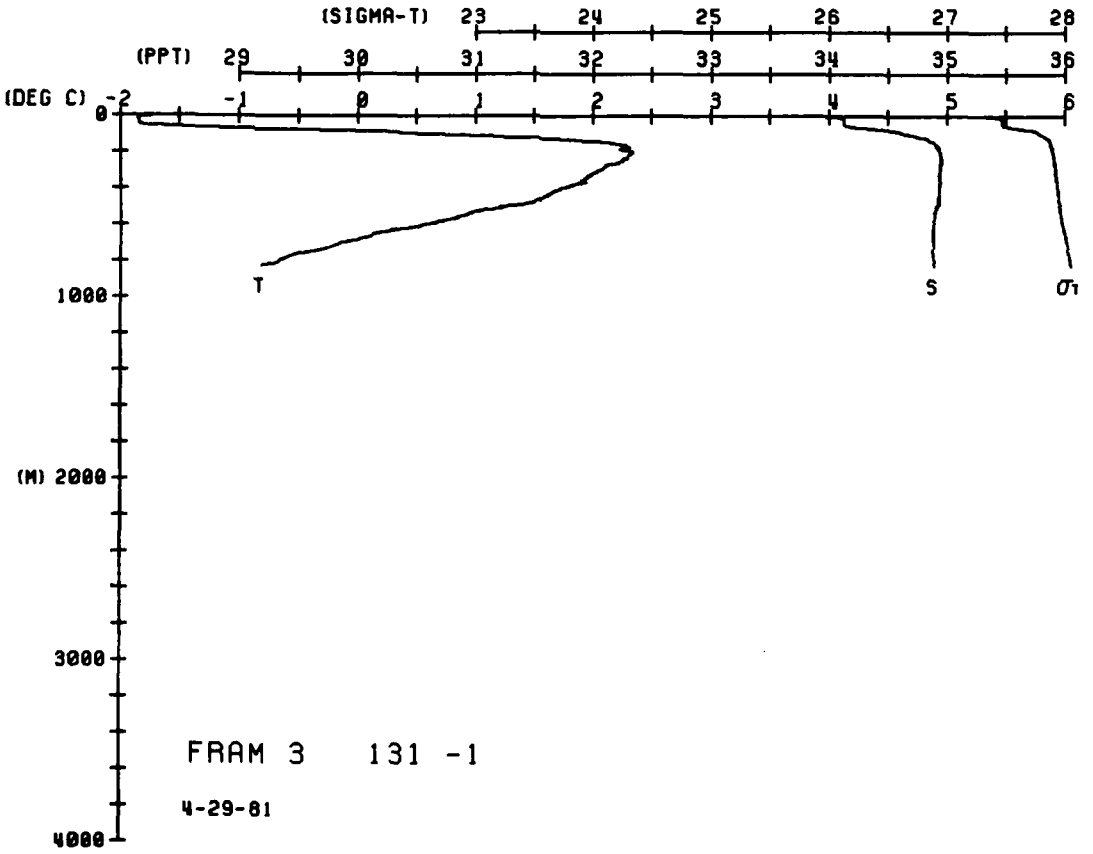
FRAM 3 130 -1

4-29-81

FRAM 3 STATION 131(1) CTD 29/APR/1981 1452 GMT CODE = 5
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AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

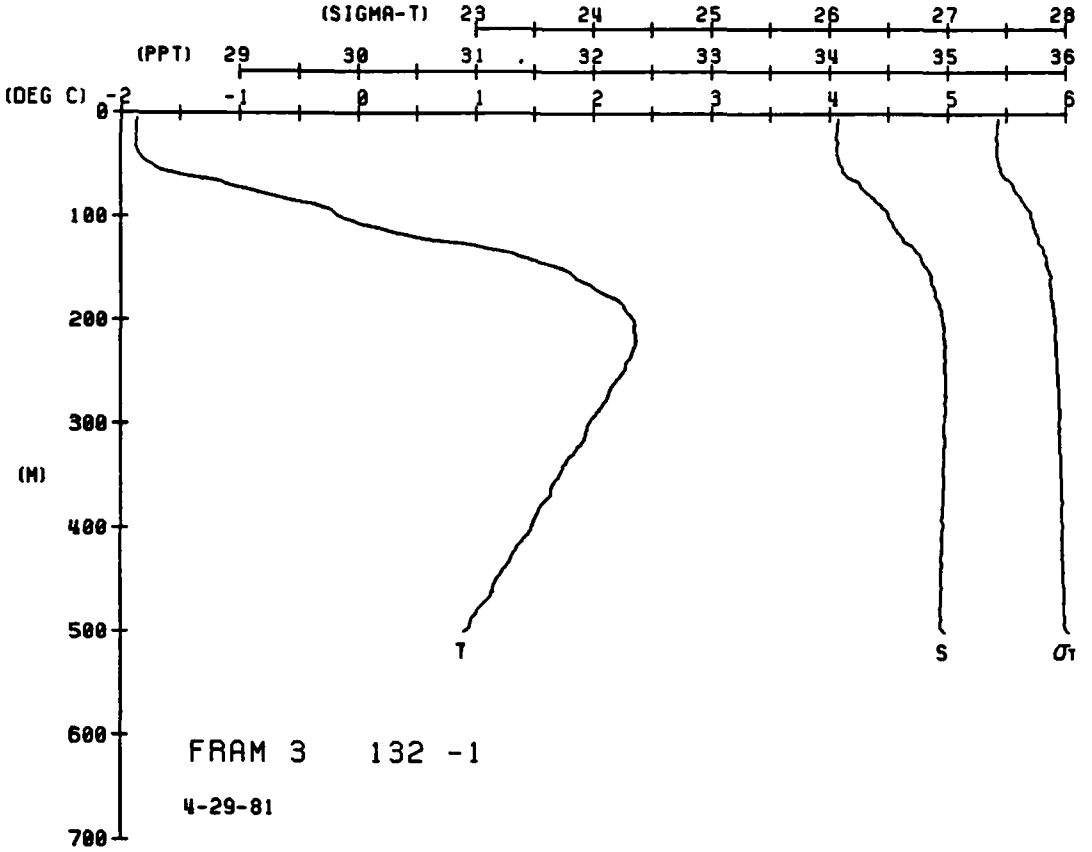
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.72	-1.72	33.95	27.32	74.0	0.000	1439.8
4.0	-1.72	-1.72	33.95	27.32	74.0	0.003	1439.9
5.0	-1.74	-1.74	33.98	27.35	71.5	0.004	1439.9
10.0	-1.83	-1.83	34.09	27.44	62.9	0.007	1439.7
15.0	-1.85	-1.85	34.12	27.46	60.8	0.010	1439.7
20.0	-1.85	-1.85	34.13	27.47	59.9	0.013	1439.8
25.0	-1.85	-1.85	34.13	27.47	60.0	0.016	1439.9
30.0	-1.85	-1.85	34.13	27.47	59.7	0.019	1440.0
35.0	-1.84	-1.84	34.13	27.47	59.9	0.022	1440.1
40.0	-1.84	-1.84	34.13	27.47	59.5	0.025	1440.2
45.0	-1.84	-1.84	34.13	27.47	59.6	0.028	1440.3
50.0	-1.83	-1.83	34.13	27.47	59.4	0.031	1440.4
55.0	-1.78	-1.78	34.14	27.48	58.7	0.034	1440.7
60.0	-1.60	-1.60	34.19	27.52	55.3	0.037	1441.7
65.0	-1.40	-1.40	34.25	27.56	51.2	0.040	1442.8
70.0	-1.11	-1.12	34.34	27.62	45.8	0.042	1444.4
75.0	-0.71	-0.71	34.43	27.68	40.4	0.045	1446.5
80.0	-0.25	-0.25	34.53	27.74	34.9	0.047	1448.8
85.0	0.09	0.09	34.59	27.77	32.0	0.048	1450.5
90.0	0.28	0.28	34.61	27.78	31.3	0.050	1451.5
95.0	0.41	0.41	34.63	27.78	30.8	0.051	1452.2
100.0	0.53	0.52	34.65	27.79	30.0	0.053	1452.9
110.0	1.01	1.00	34.73	27.83	26.6	0.056	1455.3
120.0	1.29	1.29	34.77	27.84	25.3	0.058	1456.8
130.0	1.77	1.76	34.84	27.86	23.4	0.061	1459.2
140.0	1.94	1.94	34.87	27.87	23.0	0.063	1460.2
150.0	2.16	2.15	34.90	27.88	22.3	0.065	1461.3
160.0	2.26	2.25	34.92	27.89	21.7	0.068	1461.9
170.0	2.25	2.24	34.92	27.89	21.5	0.070	1462.0
180.0	2.27	2.26	34.93	27.89	21.4	0.072	1462.3
190.0	2.25	2.24	34.93	27.89	21.1	0.074	1462.4
200.0	2.34	2.32	34.95	27.90	20.6	0.076	1463.0
210.0	2.32	2.31	34.95	27.90	20.6	0.078	1463.1
220.0	2.30	2.29	34.95	27.90	20.5	0.081	1463.2
230.0	2.30	2.28	34.95	27.91	20.0	0.083	1463.3
240.0	2.27	2.25	34.95	27.91	19.8	0.085	1463.3
250.0	2.25	2.24	34.95	27.91	19.9	0.087	1463.4
260.0	2.22	2.21	34.96	27.92	19.2	0.089	1463.5
270.0	2.12	2.11	34.94	27.91	19.6	0.091	1463.2
280.0	2.11	2.09	34.94	27.92	19.3	0.092	1463.3
290.0	2.08	2.06	34.95	27.92	18.9	0.094	1463.3
300.0	2.06	2.04	34.94	27.92	19.3	0.096	1463.4
310.0	2.03	2.01	34.94	27.92	18.8	0.098	1463.5
320.0	1.99	1.97	34.94	27.93	18.8	0.100	1463.4
330.0	1.97	1.95	34.94	27.93	18.6	0.102	1463.5
340.0	1.95	1.93	34.94	27.93	18.6	0.104	1463.6
350.0	1.92	1.90	34.94	27.93	18.5	0.106	1463.6
360.0	1.91	1.89	34.94	27.93	18.3	0.108	1463.8
370.0	1.91	1.89	34.94	27.93	18.1	0.110	1463.9
380.0	1.84	1.81	34.94	27.93	18.1	0.111	1463.7
390.0	1.80	1.78	34.93	27.94	17.9	0.113	1463.7
400.0	1.73	1.70	34.94	27.94	17.3	0.115	1463.6
410.0	1.70	1.67	34.93	27.94	17.5	0.117	1463.6
420.0	1.66	1.63	34.93	27.95	17.0	0.118	1463.6
430.0	1.63	1.61	34.93	27.95	17.0	0.120	1463.7
440.0	1.60	1.58	34.93	27.95	16.9	0.122	1463.7
450.0	1.57	1.54	34.93	27.95	16.7	0.124	1463.7
460.0	1.55	1.53	34.93	27.95	16.6	0.125	1463.8
470.0	1.51	1.48	34.93	27.95	16.1	0.127	1463.8
480.0	1.49	1.46	34.93	27.96	16.1	0.129	1463.9
490.0	1.41	1.38	34.93	27.96	15.6	0.130	1463.7
500.0	1.23	1.21	34.91	27.96	15.8	0.132	1463.0
530.0	0.99	0.96	34.90	27.96	14.8	0.136	1462.4
560.0	0.85	0.82	34.89	27.97	14.1	0.141	1462.3
590.0	0.66	0.63	34.89	27.98	13.0	0.145	1461.9
620.0	0.41	0.39	34.88	27.99	11.6	0.149	1461.3
650.0	0.13	0.11	34.88	28.00	9.8	0.152	1460.6
680.0	0.01	-0.02	34.88	28.01	8.9	0.155	1460.5
710.0	-0.18	-0.21	34.89	28.02	7.3	0.157	1460.1
740.0	-0.34	-0.37	34.88	28.03	6.7	0.159	1459.9
790.0	-0.63	-0.66	34.89	28.05	3.8	0.162	1459.4
831.3	-0.81	-0.84	34.90	28.06	2.3	0.163	1459.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 131 -1
4-29-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
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4000
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FRAM 3 131 -1
4-29-81

FRAM 3 STATION 132(1) CTD 29/APR/1981 1524 GMT CODE = 5
LAT = 81.9617N LNG = 8.8833E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.87	-1.87	34.07	27.43	64.1	0.000	1439.3
4.0	-1.87	-1.87	34.07	27.43	64.0	0.003	1439.4
5.0	-1.87	-1.87	34.07	27.43	64.0	0.003	1439.4
10.0	-1.87	-1.87	34.07	27.43	64.3	0.006	1439.5
15.0	-1.87	-1.87	34.07	27.42	64.6	0.010	1439.6
20.0	-1.87	-1.87	34.07	27.42	64.6	0.013	1439.6
25.0	-1.87	-1.87	34.07	27.43	63.9	0.016	1439.7
30.0	-1.87	-1.87	34.08	27.43	63.6	0.020	1439.8
35.0	-1.86	-1.86	34.07	27.43	63.9	0.023	1439.9
40.0	-1.84	-1.84	34.08	27.43	63.7	0.026	1440.1
45.0	-1.79	-1.79	34.09	27.44	62.9	0.029	1440.4
50.0	-1.72	-1.73	34.11	27.45	61.6	0.032	1440.9
55.0	-1.65	-1.65	34.12	27.46	60.4	0.035	1441.3
60.0	-1.46	-1.46	34.16	27.49	58.2	0.038	1442.3
65.0	-1.20	-1.20	34.24	27.54	53.0	0.041	1443.8
70.0	-1.06	-1.06	34.28	27.57	50.5	0.044	1444.6
75.0	-0.87	-0.87	34.32	27.59	48.3	0.046	1445.6
80.0	-0.70	-0.71	34.37	27.63	44.9	0.049	1446.5
85.0	-0.50	-0.50	34.41	27.66	42.5	0.051	1447.6
90.0	-0.30	-0.30	34.46	27.69	39.5	0.053	1448.7
95.0	-0.20	-0.20	34.50	27.72	36.9	0.055	1449.3
100.0	-0.13	-0.14	34.52	27.72	36.3	0.057	1449.7
110.0	0.15	0.14	34.57	27.75	33.9	0.060	1451.2
120.0	0.50	0.50	34.63	27.78	31.0	0.064	1453.1
130.0	1.11	1.10	34.73	27.82	27.2	0.066	1456.1
140.0	1.45	1.44	34.79	27.85	25.2	0.069	1457.9
150.0	1.76	1.75	34.84	27.87	23.4	0.072	1459.5
160.0	1.88	1.87	34.87	27.88	22.3	0.074	1460.2
170.0	2.04	2.03	34.90	27.89	21.5	0.076	1461.1
180.0	2.22	2.21	34.93	27.90	20.7	0.078	1462.1
190.0	2.29	2.27	34.95	27.91	19.5	0.080	1462.6
200.0	2.36	2.34	34.97	27.92	19.0	0.082	1463.1
210.0	2.36	2.35	34.98	27.93	18.2	0.084	1463.3
220.0	2.37	2.36	34.99	27.93	17.8	0.086	1463.5
230.0	2.34	2.33	34.99	27.93	17.7	0.088	1463.5
240.0	2.29	2.28	34.99	27.94	17.1	0.089	1463.5
250.0	2.26	2.24	34.99	27.95	16.6	0.091	1463.5
260.0	2.19	2.17	34.99	27.95	16.1	0.093	1463.4
270.0	2.14	2.12	34.99	27.95	16.0	0.094	1463.3
280.0	2.09	2.07	34.99	27.96	15.6	0.096	1463.3
290.0	2.02	2.01	34.99	27.96	15.1	0.098	1463.1
300.0	1.97	1.95	34.98	27.96	15.4	0.099	1463.0
310.0	1.94	1.92	34.98	27.96	15.2	0.101	1463.1
320.0	1.89	1.87	34.98	27.97	14.6	0.102	1463.0
330.0	1.82	1.80	34.98	27.97	14.4	0.104	1462.9
340.0	1.75	1.73	34.98	27.97	14.1	0.105	1462.7
350.0	1.70	1.69	34.98	27.98	13.7	0.107	1462.7
360.0	1.65	1.63	34.98	27.98	13.6	0.108	1462.7
370.0	1.62	1.60	34.98	27.98	13.3	0.109	1462.7
380.0	1.54	1.52	34.97	27.98	13.5	0.111	1462.5
390.0	1.51	1.49	34.96	27.98	13.7	0.112	1462.5
400.0	1.48	1.46	34.97	27.99	12.8	0.113	1462.6
410.0	1.42	1.40	34.97	27.99	12.6	0.115	1462.4
420.0	1.35	1.33	34.96	27.99	12.4	0.116	1462.3
430.0	1.30	1.28	34.96	27.99	12.2	0.117	1462.3
440.0	1.23	1.21	34.96	28.00	11.7	0.118	1462.1
450.0	1.18	1.16	34.96	28.00	11.6	0.120	1462.0
460.0	1.15	1.13	34.96	28.00	11.2	0.121	1462.1
470.0	1.09	1.07	34.96	28.01	10.9	0.122	1462.0
480.0	1.02	0.99	34.95	28.01	10.8	0.123	1461.8
490.0	0.96	0.94	34.95	28.01	10.6	0.124	1461.7
499.0	0.91	0.89	34.99	28.04	7.4	0.125	1461.7

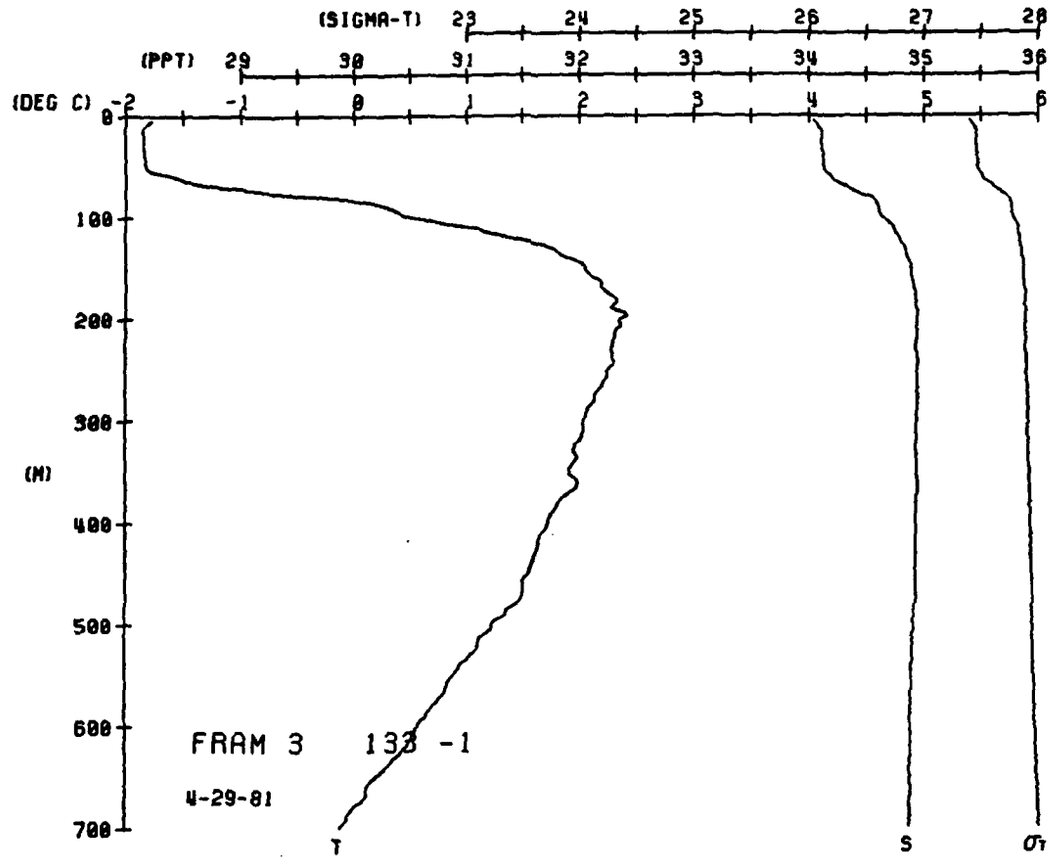


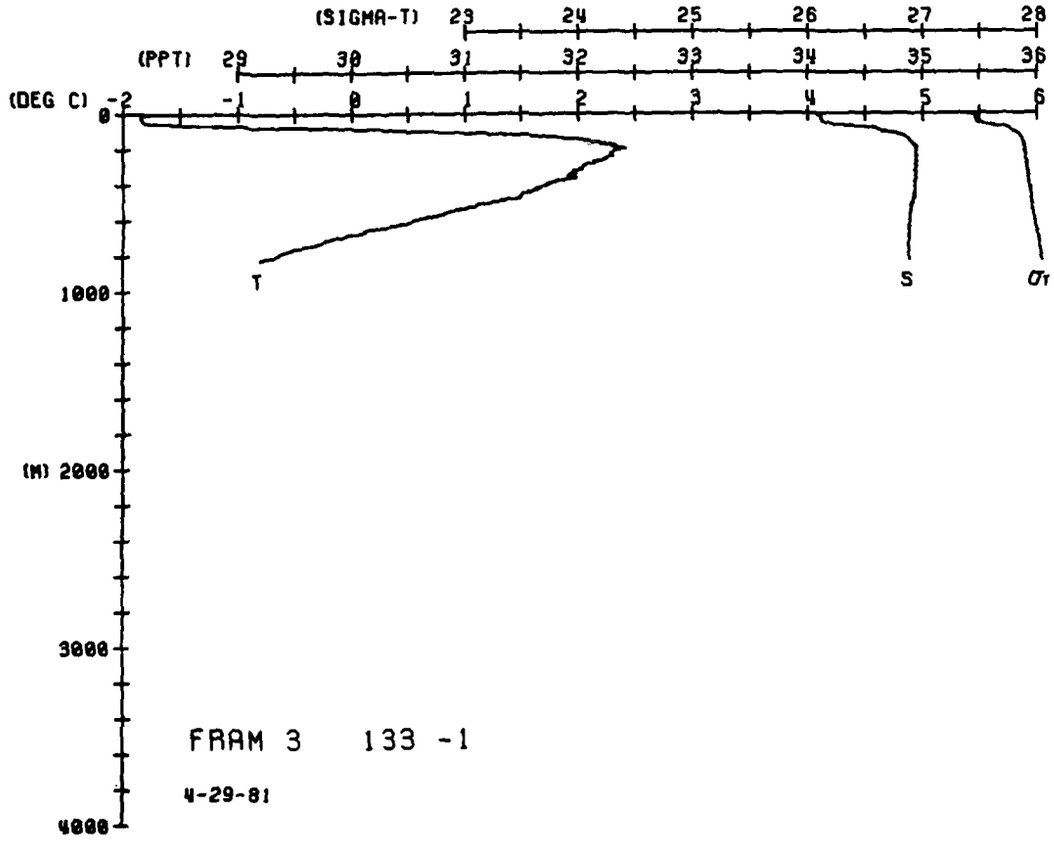
FRAM 3 132 -1

4-29-81

FRAM 3 STATION 133(1) CTD 29/APR/1981 1527 GMT CODE = 5
LAT = 81.8953N LNG = 5.4533E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

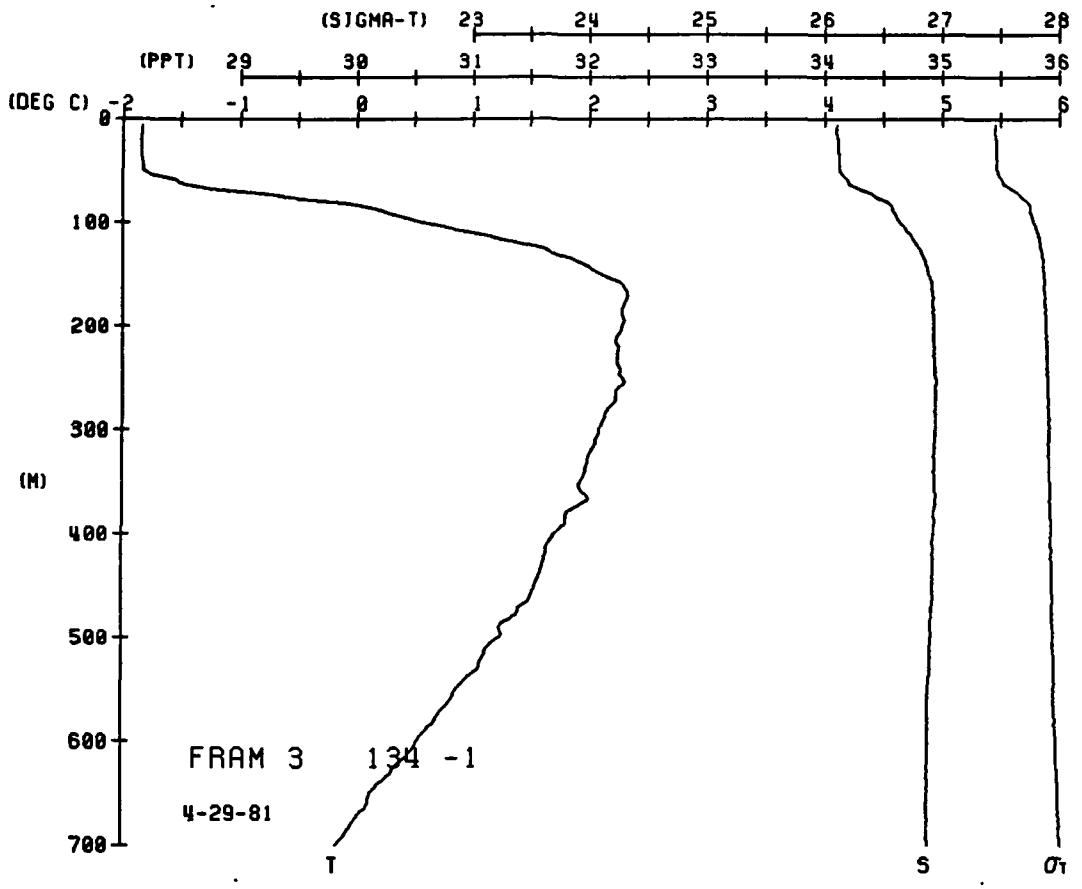
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	34.03	27.39	68.0	0.000	1439.7
4.0	-1.76	-1.76	34.03	27.39	68.0	0.003	1439.8
5.0	-1.78	-1.78	34.04	27.40	66.7	0.003	1439.8
10.0	-1.83	-1.83	34.09	27.44	63.2	0.007	1439.7
15.0	-1.85	-1.85	34.12	27.47	60.6	0.010	1439.7
20.0	-1.85	-1.85	34.12	27.47	60.3	0.013	1439.8
25.0	-1.85	-1.85	34.11	27.46	60.8	0.016	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.3	0.019	1440.0
35.0	-1.84	-1.84	34.13	27.47	59.9	0.022	1440.1
40.0	-1.83	-1.83	34.12	27.47	60.2	0.025	1440.2
45.0	-1.83	-1.83	34.13	27.48	59.4	0.028	1440.3
50.0	-1.82	-1.82	34.13	27.48	59.2	0.031	1440.5
55.0	-1.76	-1.76	34.15	27.49	57.9	0.034	1440.8
60.0	-1.56	-1.56	34.20	27.53	54.6	0.037	1441.9
65.0	-1.45	-1.45	34.23	27.55	52.5	0.040	1442.6
70.0	-1.16	-1.16	34.33	27.62	46.0	0.042	1444.1
75.0	-0.78	-0.79	34.41	27.67	41.5	0.044	1446.1
80.0	-0.29	-0.29	34.53	27.74	34.8	0.046	1448.6
85.0	0.13	0.13	34.59	27.77	31.8	0.048	1450.7
90.0	0.30	0.30	34.61	27.77	31.5	0.050	1451.6
95.0	0.40	0.40	34.62	27.78	31.3	0.051	1452.2
100.0	0.52	0.52	34.65	27.79	29.6	0.053	1452.8
110.0	1.06	1.05	34.74	27.83	26.4	0.055	1455.5
120.0	1.40	1.40	34.80	27.85	24.3	0.058	1457.3
130.0	1.76	1.75	34.84	27.86	23.5	0.060	1459.1
140.0	1.90	1.90	34.87	27.87	22.8	0.063	1460.0
150.0	2.06	2.05	34.89	27.88	22.5	0.065	1460.8
160.0	2.15	2.14	34.90	27.88	22.2	0.067	1461.4
170.0	2.20	2.19	34.91	27.89	21.7	0.070	1461.9
180.0	2.32	2.31	34.93	27.89	21.4	0.072	1462.5
190.0	2.30	2.29	34.93	27.90	21.1	0.074	1462.6
200.0	2.37	2.36	34.94	27.89	21.3	0.076	1463.1
210.0	2.34	2.32	34.95	27.90	20.7	0.078	1463.1
220.0	2.31	2.29	34.94	27.90	20.6	0.080	1463.2
230.0	2.29	2.27	34.94	27.90	20.6	0.082	1463.3
240.0	2.30	2.29	34.95	27.91	20.0	0.084	1463.5
250.0	2.26	2.24	34.95	27.91	19.9	0.086	1463.5
260.0	2.23	2.22	34.95	27.91	19.7	0.088	1463.5
270.0	2.17	2.16	34.95	27.92	19.6	0.090	1463.4
280.0	2.14	2.12	34.95	27.92	19.1	0.092	1463.4
290.0	2.07	2.05	34.94	27.92	19.0	0.094	1463.3
300.0	2.05	2.03	34.94	27.92	18.9	0.096	1463.3
310.0	2.04	2.02	34.94	27.92	19.1	0.098	1463.5
320.0	2.00	1.98	34.94	27.92	18.9	0.100	1463.5
330.0	1.96	1.95	34.94	27.93	18.8	0.102	1463.5
340.0	1.96	1.94	34.94	27.93	18.5	0.104	1463.6
350.0	1.91	1.90	34.94	27.93	18.3	0.106	1463.6
360.0	1.99	1.96	34.95	27.94	18.0	0.108	1464.1
370.0	1.94	1.91	34.95	27.93	18.2	0.109	1464.0
380.0	1.82	1.80	34.94	27.94	17.8	0.111	1463.7
390.0	1.77	1.75	34.94	27.94	17.6	0.113	1463.6
400.0	1.73	1.71	34.94	27.94	17.4	0.115	1463.6
410.0	1.68	1.66	34.93	27.94	17.2	0.117	1463.6
420.0	1.65	1.62	34.93	27.95	16.9	0.118	1463.6
430.0	1.62	1.60	34.93	27.95	17.0	0.120	1463.6
440.0	1.58	1.56	34.93	27.95	16.3	0.122	1463.6
450.0	1.55	1.52	34.93	27.95	16.6	0.123	1463.6
460.0	1.50	1.48	34.93	27.95	16.1	0.125	1463.6
470.0	1.50	1.47	34.93	27.96	16.0	0.127	1463.8
480.0	1.44	1.41	34.92	27.95	16.2	0.128	1463.6
490.0	1.35	1.32	34.92	27.96	15.7	0.130	1463.4
500.0	1.24	1.21	34.92	27.96	15.3	0.131	1463.1
530.0	1.03	1.00	34.90	27.96	14.9	0.136	1462.6
560.0	0.83	0.80	34.89	27.97	13.8	0.140	1462.2
590.0	0.64	0.61	34.89	27.98	12.8	0.144	1461.9
620.0	0.47	0.44	34.89	27.99	11.9	0.148	1461.6
650.0	0.19	0.16	34.88	28.00	10.4	0.152	1460.8
680.0	0.00	-0.03	34.88	28.01	8.8	0.155	1460.4
710.0	-0.21	-0.24	34.88	28.02	7.2	0.157	1460.0
740.0	-0.32	-0.35	34.88	28.03	6.9	0.159	1460.0
790.0	-0.63	-0.66	34.89	28.05	4.1	0.162	1459.4
830.3	-0.81	-0.84	34.89	28.06	2.4	0.163	1459.3

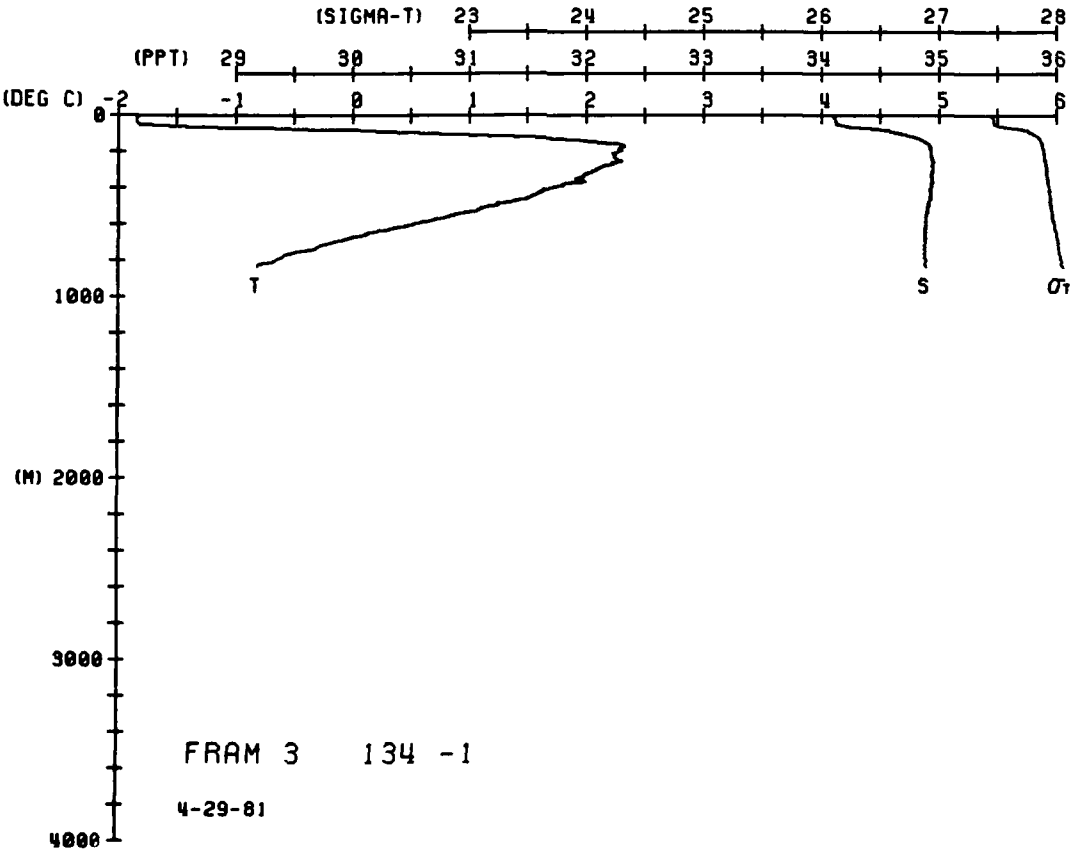

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0
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 133 -1
4-29-81
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FRAM 3 STATION 134(1) CTD 29/APR/1981 1611 GMT CODE = 5
LAT = 81.6942N LNG = 5.4505E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.10	27.45	62.0	0.000	1439.5
5.0	-1.84	-1.84	34.10	27.45	61.9	0.003	1439.6
5.9	-1.84	-1.84	34.10	27.45	61.9	0.004	1439.6
10.0	-1.84	-1.84	34.11	27.46	61.4	0.006	1439.7
15.0	-1.84	-1.84	34.11	27.45	61.6	0.009	1439.7
20.0	-1.85	-1.85	34.12	27.47	60.2	0.012	1439.8
25.0	-1.85	-1.85	34.12	27.47	60.3	0.016	1439.9
30.0	-1.85	-1.85	34.12	27.47	60.3	0.019	1440.0
35.0	-1.84	-1.84	34.12	27.47	60.1	0.022	1440.1
40.0	-1.83	-1.83	34.13	27.47	59.8	0.025	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.8	0.028	1440.3
50.0	-1.81	-1.81	34.13	27.48	59.3	0.031	1440.5
55.0	-1.69	-1.69	34.17	27.50	57.0	0.034	1441.2
60.0	-1.53	-1.53	34.21	27.53	54.4	0.036	1442.1
65.0	-1.39	-1.39	34.25	27.56	51.2	0.039	1442.9
70.0	-1.00	-1.01	34.36	27.64	44.1	0.041	1444.9
75.0	-0.61	-0.62	34.45	27.69	39.4	0.044	1446.9
80.0	-0.21	-0.21	34.54	27.74	34.4	0.045	1449.0
85.0	0.11	0.11	34.58	27.76	32.6	0.047	1450.6
90.0	0.26	0.26	34.60	27.77	32.1	0.049	1451.4
95.0	0.41	0.41	34.63	27.78	30.8	0.050	1452.2
100.0	0.58	0.58	34.66	27.80	29.5	0.052	1453.1
110.0	1.00	1.00	34.73	27.83	26.8	0.055	1455.3
120.0	1.40	1.40	34.79	27.85	24.7	0.057	1457.3
130.0	1.72	1.71	34.84	27.86	23.6	0.060	1458.9
140.0	1.96	1.95	34.87	27.87	22.8	0.062	1460.2
150.0	2.11	2.10	34.89	27.88	22.4	0.064	1461.1
160.0	2.29	2.28	34.92	27.88	22.0	0.067	1462.1
170.0	2.33	2.32	34.93	27.89	21.7	0.069	1462.4
180.0	2.30	2.29	34.93	27.89	21.6	0.071	1462.5
190.0	2.29	2.28	34.93	27.89	21.2	0.073	1462.6
200.0	2.28	2.27	34.93	27.89	21.3	0.075	1462.7
210.0	2.24	2.23	34.93	27.90	20.9	0.077	1462.7
220.0	2.26	2.24	34.94	27.90	20.8	0.080	1462.9
230.0	2.24	2.23	34.94	27.90	20.6	0.082	1463.0
240.0	2.26	2.25	34.95	27.91	20.2	0.084	1463.3
250.0	2.29	2.28	34.95	27.91	20.1	0.086	1463.6
260.0	2.25	2.23	34.95	27.91	20.1	0.088	1463.6
270.0	2.23	2.21	34.95	27.91	19.7	0.090	1463.7
280.0	2.15	2.14	34.95	27.92	19.6	0.092	1463.5
290.0	2.12	2.10	34.95	27.92	18.9	0.094	1463.5
300.0	2.09	2.07	34.95	27.92	18.8	0.096	1463.6
310.0	2.06	2.04	34.95	27.92	18.9	0.098	1463.6
320.0	2.02	2.00	34.94	27.92	19.0	0.100	1463.6
330.0	1.99	1.97	34.94	27.93	18.7	0.101	1463.6
340.0	1.97	1.95	34.94	27.92	19.0	0.103	1463.7
350.0	1.92	1.91	34.94	27.93	18.4	0.105	1463.6
360.0	1.95	1.93	34.95	27.93	18.2	0.107	1463.9
370.0	1.96	1.94	34.95	27.93	18.2	0.109	1464.1
380.0	1.81	1.79	34.93	27.93	18.1	0.111	1463.6
390.0	1.80	1.78	34.94	27.94	17.7	0.113	1463.7
400.0	1.71	1.68	34.93	27.94	17.5	0.114	1463.5
410.0	1.65	1.62	34.93	27.95	16.9	0.116	1463.4
420.0	1.63	1.61	34.93	27.95	17.0	0.118	1463.5
430.0	1.61	1.59	34.93	27.95	16.9	0.120	1463.6
440.0	1.58	1.56	34.93	27.95	16.9	0.121	1463.6
450.0	1.54	1.52	34.93	27.95	16.7	0.123	1463.6
460.0	1.51	1.48	34.93	27.95	16.3	0.125	1463.6
470.0	1.43	1.40	34.92	27.95	16.5	0.126	1463.4
480.0	1.36	1.33	34.92	27.95	16.2	0.128	1463.3
490.0	1.24	1.21	34.91	27.96	15.8	0.130	1462.9
500.0	1.23	1.21	34.91	27.96	15.5	0.131	1463.0
530.0	1.05	1.03	34.91	27.97	14.6	0.136	1462.7
560.0	0.82	0.79	34.89	27.97	14.1	0.140	1462.1
590.0	0.60	0.57	34.89	27.98	12.6	0.144	1461.7
620.0	0.38	0.35	34.88	27.99	11.5	0.148	1461.2
650.0	0.12	0.10	34.88	28.00	9.8	0.151	1460.5
680.0	-0.04	-0.07	34.88	28.01	8.5	0.154	1460.3
710.0	-0.22	-0.25	34.88	28.02	7.4	0.156	1459.9
740.0	-0.34	-0.37	34.88	28.03	6.4	0.158	1459.9
790.0	-0.62	-0.65	34.88	28.04	4.6	0.161	1459.5
829.4	-0.81	-0.84	34.90	28.06	2.3	0.162	1459.2


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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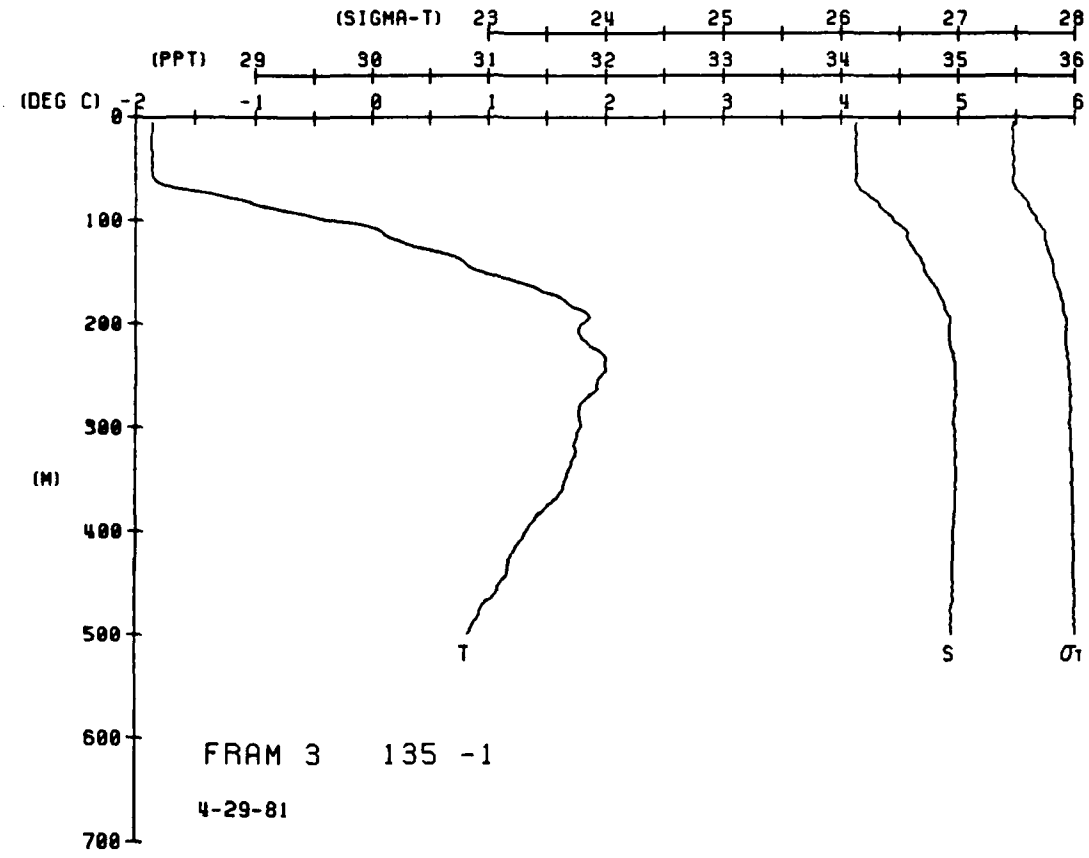

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 134 -1
4-29-81

FRAM 3 STATION 135(1) CTD 29/APR/1981 1623 GMT CODE = 5
LAT = 81.6417N LNG = 8.7900E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.14	27.48	59.2	0.000	1439.4
4.0	-1.86	-1.86	34.14	27.48	59.2	0.002	1439.5
5.0	-1.86	-1.86	34.13	27.48	59.3	0.003	1439.5
10.0	-1.86	-1.86	34.13	27.47	59.9	0.006	1439.6
15.0	-1.86	-1.86	34.13	27.48	59.4	0.009	1439.7
20.0	-1.87	-1.87	34.13	27.48	59.5	0.012	1439.7
25.0	-1.87	-1.87	34.14	27.48	59.1	0.015	1439.8
30.0	-1.87	-1.87	34.13	27.47	59.7	0.018	1439.9
35.0	-1.86	-1.86	34.13	27.48	59.3	0.021	1440.0
40.0	-1.86	-1.86	34.14	27.48	58.9	0.024	1440.1
45.0	-1.86	-1.86	34.13	27.48	59.3	0.027	1440.2
50.0	-1.87	-1.87	34.14	27.48	58.9	0.030	1440.2
55.0	-1.86	-1.86	34.14	27.48	58.7	0.033	1440.3
60.0	-1.83	-1.83	34.13	27.48	59.3	0.036	1440.5
65.0	-1.78	-1.78	34.15	27.49	58.1	0.039	1440.9
70.0	-1.59	-1.59	34.18	27.50	56.6	0.042	1441.9
75.0	-1.33	-1.33	34.23	27.54	53.0	0.045	1443.3
80.0	-1.12	-1.13	34.29	27.58	49.1	0.047	1444.4
85.0	-0.98	-0.98	34.33	27.61	46.5	0.050	1445.2
90.0	-0.76	-0.76	34.37	27.64	44.1	0.052	1446.4
95.0	-0.55	-0.55	34.43	27.67	41.1	0.054	1447.6
100.0	-0.34	-0.34	34.46	27.69	39.6	0.056	1448.6
110.0	0.08	0.07	34.57	27.75	33.3	0.060	1450.9
120.0	0.24	0.24	34.59	27.76	32.7	0.063	1451.8
130.0	0.56	0.56	34.64	27.79	30.3	0.066	1453.5
140.0	0.80	0.79	34.71	27.82	27.2	0.069	1454.8
150.0	0.96	0.95	34.73	27.83	26.6	0.072	1455.8
160.0	1.29	1.28	34.79	27.86	23.8	0.074	1457.5
170.0	1.52	1.51	34.84	27.88	21.7	0.077	1458.7
180.0	1.68	1.67	34.89	27.91	19.6	0.079	1459.7
190.0	1.86	1.85	34.92	27.92	18.4	0.081	1460.7
200.0	1.80	1.79	34.94	27.94	16.8	0.083	1460.6
210.0	1.79	1.78	34.93	27.93	17.3	0.084	1460.7
220.0	1.87	1.86	34.94	27.94	17.2	0.086	1461.2
230.0	1.99	1.98	34.97	27.94	16.5	0.088	1462.0
240.0	2.00	1.98	34.98	27.95	15.7	0.089	1462.2
250.0	1.96	1.94	34.98	27.96	15.2	0.091	1462.2
260.0	1.92	1.91	34.99	27.97	14.4	0.092	1462.2
270.0	1.85	1.84	34.99	27.98	13.6	0.094	1462.1
280.0	1.78	1.77	34.99	27.98	13.3	0.095	1461.9
290.0	1.78	1.77	34.98	27.97	14.3	0.097	1462.1
300.0	1.79	1.78	34.98	27.98	13.8	0.098	1462.3
310.0	1.76	1.74	34.99	27.98	13.4	0.099	1462.3
320.0	1.75	1.73	34.99	27.98	13.3	0.101	1462.4
330.0	1.73	1.71	34.99	27.99	13.0	0.102	1462.5
340.0	1.70	1.68	35.00	27.99	12.2	0.103	1462.5
350.0	1.66	1.65	34.99	27.99	12.3	0.105	1462.6
360.0	1.64	1.62	34.99	27.99	12.3	0.106	1462.6
370.0	1.57	1.55	34.99	27.99	12.1	0.107	1462.5
380.0	1.47	1.45	34.99	28.00	11.4	0.108	1462.2
390.0	1.39	1.37	34.98	28.00	11.6	0.109	1462.0
400.0	1.32	1.30	34.97	28.00	11.7	0.111	1461.8
410.0	1.27	1.25	34.97	28.00	11.2	0.112	1461.8
420.0	1.21	1.19	34.96	28.00	11.2	0.113	1461.7
430.0	1.18	1.16	34.97	28.01	10.8	0.114	1461.7
440.0	1.17	1.15	34.96	28.00	11.2	0.115	1461.8
450.0	1.10	1.08	34.97	28.01	10.1	0.116	1461.7
460.0	1.07	1.05	34.97	28.01	10.0	0.117	1461.7
470.0	0.96	0.94	34.96	28.02	9.5	0.118	1461.4
480.0	0.93	0.91	34.95	28.01	10.0	0.119	1461.4
490.0	0.88	0.86	34.95	28.02	9.7	0.120	1461.4
499.0	0.83	0.81	34.96	28.02	9.2	0.121	1461.3

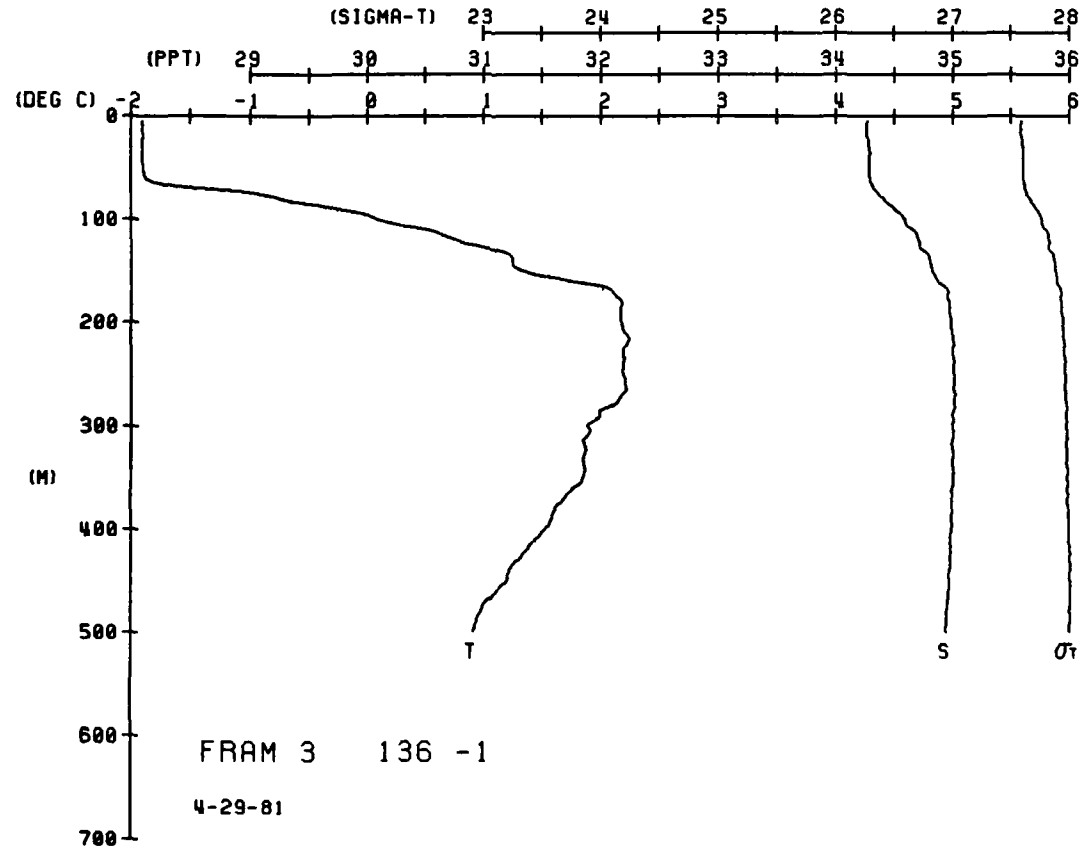
FRAM 3 STATION 136(1) CTD 29/APR/1981 1723 GMT CODE = 5
LAT = 81.5200N LNG = 5.0783E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.90	-1.90	34.28	27.60	48.2	0.000	1439.4
4.0	-1.90	-1.91	34.28	27.60	48.1	0.002	1439.5
5.0	-1.90	-1.90	34.28	27.59	48.4	0.002	1439.5
10.0	-1.90	-1.90	34.27	27.59	49.0	0.005	1439.6
15.0	-1.90	-1.90	34.26	27.59	49.2	0.007	1439.7
20.0	-1.89	-1.90	34.27	27.59	48.5	0.010	1439.8
25.0	-1.90	-1.90	34.28	27.60	47.9	0.012	1439.9
30.0	-1.90	-1.90	34.29	27.60	47.3	0.015	1439.9
35.0	-1.90	-1.90	34.29	27.61	46.8	0.017	1440.0
40.0	-1.90	-1.90	34.29	27.61	46.9	0.019	1440.1
45.0	-1.90	-1.90	34.29	27.61	47.0	0.022	1440.2
50.0	-1.89	-1.90	34.29	27.61	47.0	0.024	1440.3
55.0	-1.89	-1.89	34.29	27.61	47.1	0.027	1440.4
60.0	-1.87	-1.87	34.29	27.61	46.7	0.029	1440.6
65.0	-1.80	-1.80	34.31	27.62	45.7	0.031	1441.0
70.0	-1.45	-1.45	34.33	27.63	45.1	0.034	1442.8
75.0	-0.96	-0.96	34.37	27.64	44.0	0.036	1445.2
80.0	-0.75	-0.75	34.41	27.67	41.3	0.038	1446.4
85.0	-0.50	-0.50	34.46	27.69	39.1	0.040	1447.7
90.0	-0.24	-0.24	34.51	27.72	36.2	0.042	1449.0
95.0	-0.03	-0.03	34.56	27.75	33.4	0.044	1450.1
100.0	0.09	0.09	34.59	27.77	31.4	0.045	1450.8
110.0	0.51	0.50	34.66	27.81	28.4	0.048	1453.0
120.0	0.76	0.76	34.71	27.83	26.5	0.051	1454.3
130.0	1.14	1.13	34.75	27.84	25.9	0.054	1456.2
140.0	1.25	1.25	34.81	27.87	22.4	0.056	1457.0
150.0	1.35	1.34	34.83	27.88	21.6	0.058	1457.6
160.0	1.77	1.77	34.88	27.89	20.9	0.061	1459.8
170.0	2.11	2.10	34.96	27.93	17.3	0.062	1461.5
180.0	2.19	2.18	34.97	27.93	17.4	0.064	1462.0
190.0	2.17	2.16	34.97	27.94	17.1	0.066	1462.1
200.0	2.19	2.17	34.99	27.95	16.0	0.068	1462.4
210.0	2.23	2.21	35.00	27.95	15.6	0.069	1462.7
220.0	2.23	2.22	35.02	27.97	14.6	0.071	1462.9
230.0	2.20	2.19	35.01	27.96	15.2	0.072	1463.0
240.0	2.20	2.18	35.01	27.97	14.6	0.074	1463.1
250.0	2.20	2.18	35.02	27.97	14.5	0.075	1463.3
260.0	2.22	2.20	35.02	27.97	14.6	0.077	1463.6
270.0	2.18	2.16	35.02	27.98	13.9	0.078	1463.5
280.0	2.10	2.09	35.02	27.98	13.4	0.080	1463.4
290.0	1.99	1.98	35.01	27.98	13.7	0.081	1463.0
300.0	1.90	1.88	35.00	27.98	13.2	0.082	1462.8
310.0	1.88	1.86	35.01	27.99	12.6	0.084	1462.9
320.0	1.88	1.86	35.00	27.98	13.2	0.085	1463.0
330.0	1.86	1.84	35.01	27.99	12.6	0.086	1463.1
340.0	1.87	1.85	35.01	27.99	12.5	0.088	1463.3
350.0	1.85	1.84	35.01	27.99	12.6	0.089	1463.4
360.0	1.77	1.75	35.00	27.99	12.4	0.090	1463.2
370.0	1.69	1.67	35.00	28.00	11.8	0.091	1463.0
380.0	1.62	1.60	35.00	28.00	11.5	0.092	1462.9
390.0	1.59	1.57	35.00	28.00	11.5	0.094	1462.9
400.0	1.52	1.50	35.00	28.01	11.2	0.095	1462.8
410.0	1.45	1.43	34.99	28.01	11.1	0.096	1462.6
420.0	1.37	1.35	34.99	28.01	10.4	0.097	1462.4
430.0	1.29	1.27	34.99	28.01	10.1	0.098	1462.2
440.0	1.23	1.20	34.98	28.02	9.9	0.099	1462.1
450.0	1.20	1.18	34.98	28.02	10.0	0.10	1462.2
460.0	1.12	1.09	34.97	28.02	9.7	0.10	1461.9
470.0	1.02	1.00	34.97	28.02	9.6	0.10	1461.7
480.0	0.98	0.96	34.96	28.01	9.9	0.10	1461.6
490.0	0.94	0.92	34.96	28.02	9.7	0.10	1461.6
500.0	0.92	0.89	34.96	28.02	9.4	0.10	1461.7



FRAM 3 135 -1

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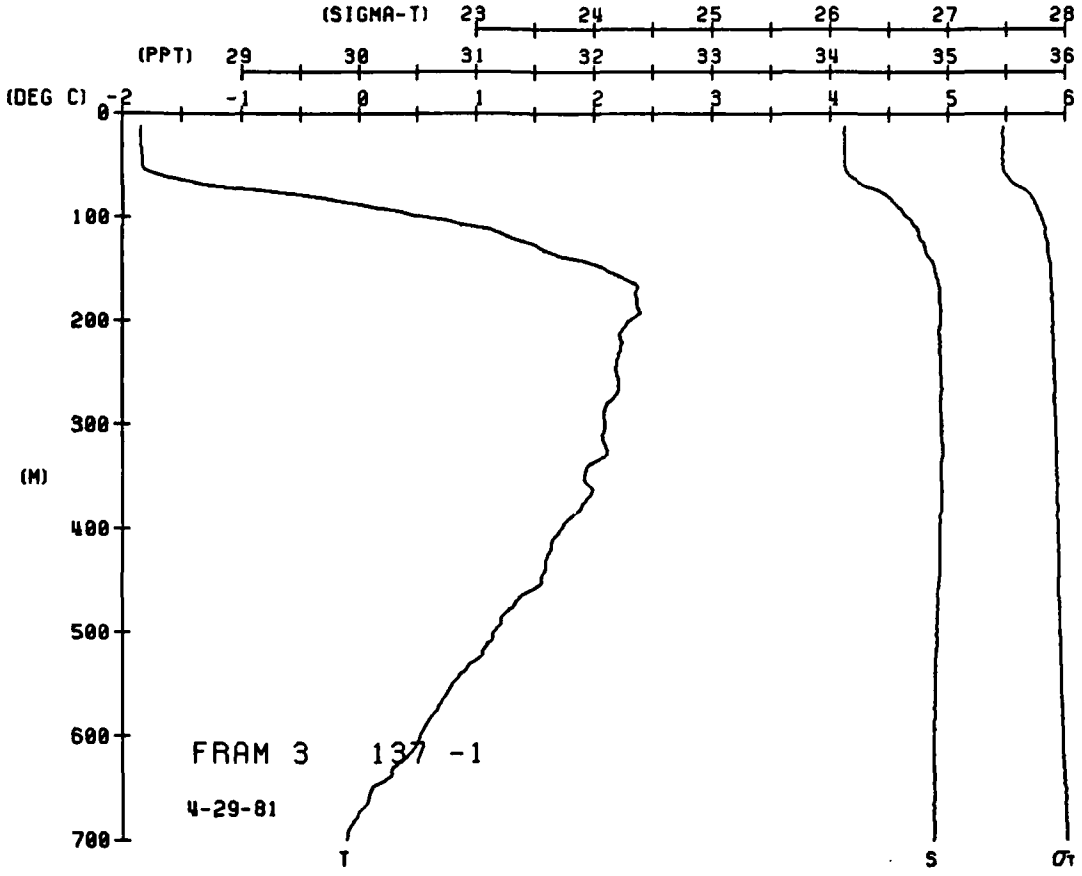


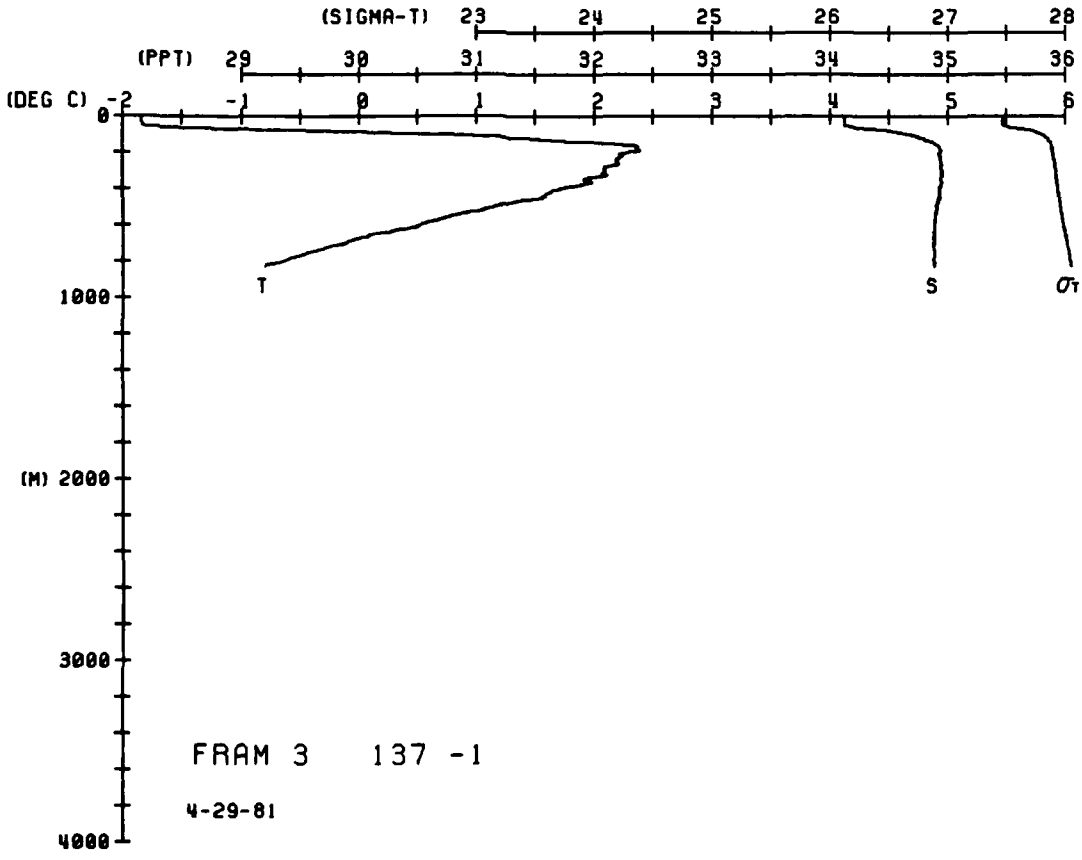
FRAM 3 136 -1

4-29-81

FRAM 3 STATION 137(1) CTD 29/APR/1981 1800 GMT CODE = 5
LAT = 81.8878N LNG = 5.4333E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

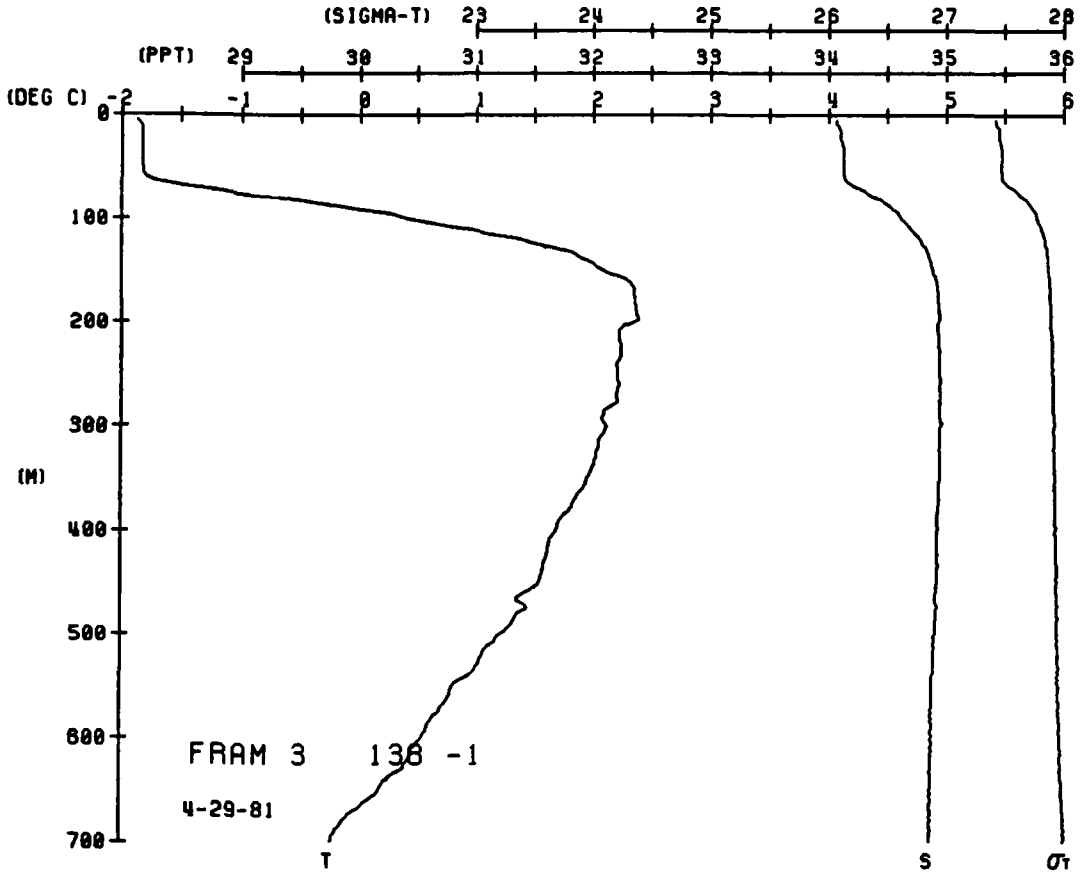
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.13	27.47	60.0	0.000	1439.5
5.0	-1.84	-1.84	34.13	27.47	59.9	0.003	1439.6
10.0	-1.84	-1.84	34.13	27.47	59.9	0.006	1439.7
12.9	-1.84	-1.84	34.13	27.47	59.9	0.008	1439.7
15.0	-1.84	-1.84	34.13	27.47	59.9	0.009	1439.8
20.0	-1.84	-1.84	34.12	27.47	60.1	0.012	1439.8
25.0	-1.84	-1.84	34.13	27.47	59.7	0.015	1439.9
30.0	-1.84	-1.84	34.13	27.47	59.7	0.018	1440.0
35.0	-1.84	-1.84	34.13	27.47	59.8	0.021	1440.1
40.0	-1.83	-1.83	34.13	27.47	59.6	0.024	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.6	0.027	1440.3
50.0	-1.83	-1.83	34.13	27.47	59.6	0.030	1440.4
55.0	-1.80	-1.80	34.14	27.48	58.9	0.033	1440.6
60.0	-1.66	-1.66	34.18	27.51	56.1	0.036	1441.4
65.0	-1.45	-1.45	34.23	27.55	52.8	0.039	1442.6
70.0	-1.19	-1.19	34.31	27.60	47.4	0.041	1444.0
75.0	-0.76	-0.76	34.43	27.68	40.1	0.044	1446.2
80.0	-0.41	-0.41	34.49	27.72	36.7	0.046	1448.1
85.0	-0.14	-0.14	34.54	27.74	34.6	0.047	1449.4
90.0	0.12	0.12	34.59	27.77	32.3	0.049	1450.8
95.0	0.37	0.36	34.62	27.78	30.7	0.051	1452.0
100.0	0.58	0.58	34.67	27.80	28.8	0.052	1453.1
110.0	1.05	1.04	34.74	27.83	26.0	0.055	1455.5
120.0	1.31	1.30	34.77	27.84	25.7	0.058	1456.9
130.0	1.56	1.55	34.81	27.85	24.4	0.060	1458.2
140.0	1.83	1.82	34.86	27.87	22.7	0.062	1459.6
150.0	2.10	2.09	34.89	27.88	22.4	0.065	1461.0
160.0	2.28	2.27	34.92	27.88	22.2	0.067	1462.0
170.0	2.37	2.36	34.93	27.89	21.8	0.069	1462.6
180.0	2.37	2.36	34.94	27.89	21.5	0.071	1462.8
190.0	2.39	2.38	34.95	27.90	21.1	0.074	1463.0
200.0	2.30	2.29	34.94	27.90	20.9	0.076	1462.8
210.0	2.23	2.22	34.93	27.90	21.1	0.078	1462.7
220.0	2.24	2.23	34.94	27.90	20.7	0.080	1462.9
230.0	2.22	2.20	34.94	27.90	20.5	0.082	1462.9
240.0	2.20	2.18	34.94	27.91	20.0	0.084	1463.0
250.0	2.20	2.18	34.94	27.91	19.9	0.086	1463.2
260.0	2.21	2.20	34.95	27.92	19.5	0.088	1463.4
270.0	2.20	2.18	34.95	27.91	19.9	0.090	1463.5
280.0	2.11	2.10	34.94	27.92	19.5	0.092	1463.3
290.0	2.09	2.07	34.95	27.92	19.0	0.094	1463.4
300.0	2.10	2.08	34.95	27.93	18.7	0.096	1463.6
310.0	2.08	2.06	34.95	27.93	18.7	0.098	1463.7
320.0	2.10	2.08	34.96	27.93	18.6	0.100	1463.9
330.0	2.09	2.07	34.96	27.93	18.5	0.102	1464.1
340.0	1.94	1.92	34.94	27.93	18.5	0.103	1463.5
350.0	1.92	1.90	34.94	27.93	18.2	0.105	1463.6
360.0	1.98	1.96	34.95	27.94	17.9	0.107	1464.1
370.0	1.95	1.93	34.95	27.93	18.1	0.109	1464.1
380.0	1.89	1.87	34.95	27.94	17.6	0.111	1464.0
390.0	1.78	1.76	34.94	27.94	17.4	0.113	1463.7
400.0	1.72	1.70	34.93	27.94	17.6	0.114	1463.6
410.0	1.65	1.63	34.93	27.94	17.1	0.116	1463.4
420.0	1.63	1.61	34.93	27.94	17.1	0.118	1463.5
430.0	1.59	1.57	34.93	27.95	16.6	0.119	1463.5
440.0	1.58	1.56	34.93	27.95	16.6	0.121	1463.6
450.0	1.56	1.54	34.93	27.95	16.5	0.123	1463.7
460.0	1.45	1.42	34.92	27.95	16.5	0.125	1463.3
470.0	1.34	1.31	34.92	27.95	16.0	0.126	1463.0
480.0	1.25	1.23	34.91	27.96	15.7	0.128	1462.8
490.0	1.21	1.18	34.91	27.96	15.4	0.129	1462.8
500.0	1.14	1.12	34.91	27.96	15.2	0.131	1462.6
530.0	0.95	0.92	34.90	27.97	14.2	0.135	1462.2
560.0	0.75	0.72	34.89	27.98	13.3	0.140	1461.8
590.0	0.57	0.54	34.89	27.98	12.3	0.143	1461.5
620.0	0.40	0.37	34.89	27.99	11.3	0.147	1461.3
650.0	0.11	0.08	34.89	28.01	9.4	0.150	1460.4
680.0	-0.04	-0.07	34.88	28.01	8.5	0.153	1460.3
710.0	-0.19	-0.22	34.88	28.02	7.8	0.155	1460.1
740.0	-0.37	-0.40	34.88	28.03	6.3	0.158	1459.8
790.0	-0.61	-0.64	34.88	28.04	4.9	0.160	1459.5
827.4	-0.81	-0.84	34.89	28.06	2.9	0.162	1459.2

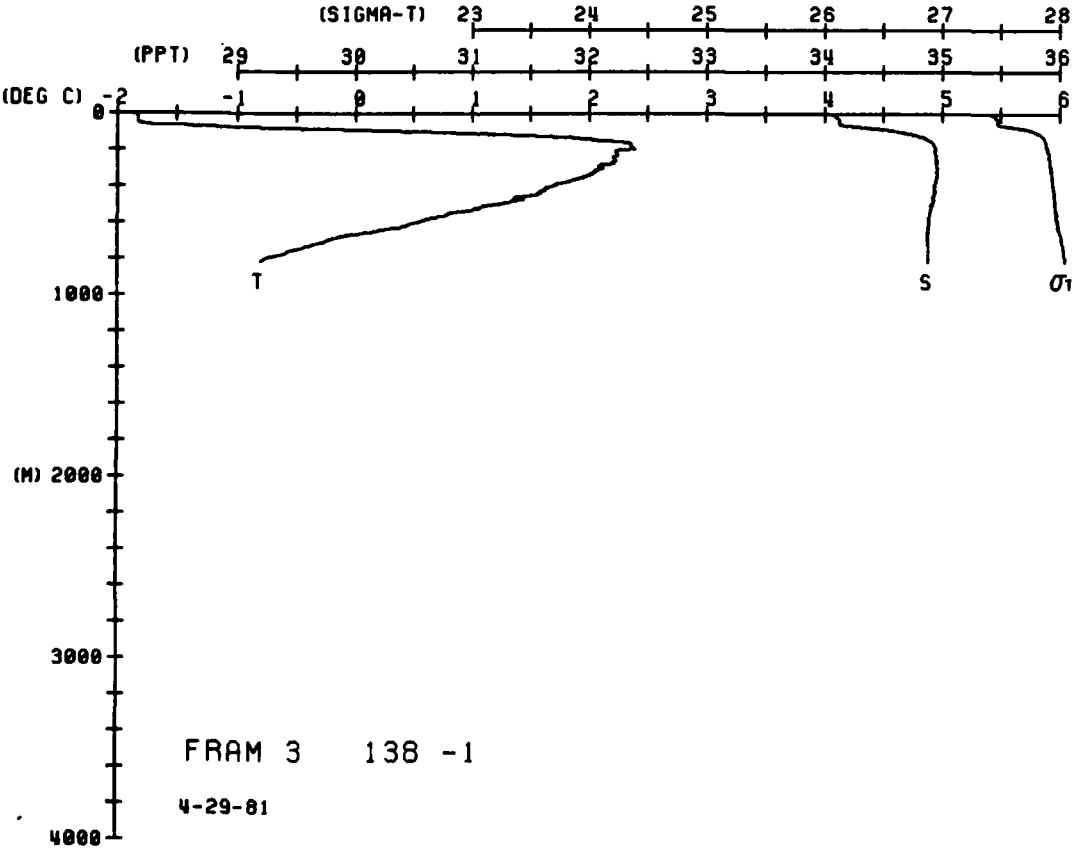

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(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 137 -1
4-29-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
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FRAM 3 137 -1
4-29-81

FRAM 3 STATION 138(1) CTD 29/APR/1981 1955 GMT CODE = 5
LAT = 81.8818N LNG = 5.4073E WTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.88	-1.88	34.06	27.42	64.9	0.000	1439.2
4.0	-1.88	-1.88	34.06	27.42	64.9	0.003	1439.3
5.0	-1.87	-1.87	34.06	27.42	64.9	0.003	1439.4
10.0	-1.83	-1.83	34.08	27.44	63.2	0.007	1439.6
15.0	-1.83	-1.83	34.10	27.45	61.9	0.010	1439.8
20.0	-1.83	-1.83	34.10	27.45	61.9	0.013	1439.9
25.0	-1.83	-1.83	34.11	27.46	61.2	0.016	1439.9
30.0	-1.83	-1.83	34.12	27.47	60.0	0.019	1440.0
35.0	-1.83	-1.83	34.13	27.47	59.7	0.022	1440.1
40.0	-1.83	-1.83	34.13	27.47	59.8	0.025	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.8	0.028	1440.3
50.0	-1.82	-1.82	34.13	27.47	59.6	0.031	1440.4
55.0	-1.82	-1.82	34.13	27.47	59.5	0.034	1440.5
60.0	-1.79	-1.79	34.14	27.48	59.1	0.037	1440.8
65.0	-1.66	-1.66	34.17	27.50	56.6	0.040	1441.5
70.0	-1.36	-1.36	34.25	27.56	51.2	0.043	1443.1
75.0	-1.08	-1.09	34.33	27.62	46.1	0.045	1444.6
80.0	-0.73	-0.73	34.41	27.67	41.2	0.047	1446.4
85.0	-0.34	-0.34	34.49	27.72	36.9	0.049	1448.4
90.0	-0.04	-0.04	34.55	27.75	33.7	0.051	1450.0
95.0	0.26	0.25	34.61	27.77	31.5	0.053	1451.5
100.0	0.43	0.42	34.63	27.78	30.6	0.054	1452.4
110.0	0.92	0.91	34.71	27.82	27.3	0.057	1454.9
120.0	1.39	1.39	34.79	27.85	24.9	0.060	1457.3
130.0	1.77	1.76	34.85	27.87	23.3	0.062	1459.2
140.0	1.96	1.95	34.87	27.87	22.8	0.065	1460.2
150.0	2.10	2.10	34.89	27.88	22.5	0.067	1461.0
160.0	2.31	2.30	34.93	27.89	21.7	0.069	1462.2
170.0	2.36	2.35	34.93	27.89	21.7	0.071	1462.5
180.0	2.36	2.35	34.94	27.89	21.3	0.074	1462.7
190.0	2.38	2.36	34.95	27.90	21.0	0.076	1463.0
200.0	2.34	2.33	34.94	27.89	21.4	0.078	1463.0
210.0	2.22	2.21	34.94	27.90	20.3	0.080	1462.6
220.0	2.24	2.23	34.94	27.91	20.2	0.082	1462.9
230.0	2.24	2.23	34.95	27.91	19.9	0.084	1463.1
240.0	2.21	2.19	34.95	27.91	19.7	0.086	1463.1
250.0	2.21	2.20	34.95	27.91	19.6	0.088	1463.3
260.0	2.22	2.21	34.95	27.91	19.7	0.090	1463.5
270.0	2.20	2.19	34.95	27.92	19.3	0.092	1463.6
280.0	2.17	2.15	34.95	27.92	19.4	0.094	1463.6
290.0	2.09	2.07	34.95	27.92	18.8	0.096	1463.4
300.0	2.13	2.11	34.96	27.93	18.5	0.098	1463.7
310.0	2.07	2.05	34.96	27.93	18.1	0.100	1463.7
320.0	2.05	2.03	34.95	27.93	18.3	0.102	1463.7
330.0	2.03	2.01	34.96	27.94	17.9	0.103	1463.8
340.0	2.00	1.98	34.95	27.94	17.9	0.105	1463.8
350.0	1.96	1.94	34.96	27.94	17.4	0.107	1463.8
360.0	1.91	1.89	34.95	27.94	17.5	0.109	1463.8
370.0	1.85	1.83	34.95	27.94	17.5	0.110	1463.7
380.0	1.81	1.79	34.94	27.94	17.4	0.112	1463.6
390.0	1.73	1.71	34.94	27.94	17.4	0.114	1463.4
400.0	1.70	1.67	34.94	27.94	17.1	0.116	1463.5
410.0	1.64	1.61	34.93	27.95	16.7	0.117	1463.4
420.0	1.62	1.60	34.93	27.95	16.6	0.119	1463.5
430.0	1.59	1.57	34.93	27.95	16.4	0.121	1463.5
440.0	1.58	1.55	34.94	27.95	16.3	0.122	1463.6
450.0	1.54	1.52	34.93	27.95	16.2	0.124	1463.6
460.0	1.42	1.39	34.92	27.95	16.0	0.126	1463.2
470.0	1.41	1.38	34.93	27.96	15.5	0.127	1463.3
480.0	1.36	1.34	34.92	27.96	15.7	0.129	1463.3
490.0	1.31	1.29	34.92	27.96	15.7	0.131	1463.2
500.0	1.21	1.18	34.91	27.96	15.6	0.132	1462.9
530.0	1.02	0.99	34.90	27.97	14.5	0.137	1462.6
560.0	0.78	0.75	34.89	27.98	13.4	0.141	1462.0
590.0	0.59	0.57	34.89	27.99	12.3	0.145	1461.6
620.0	0.43	0.40	34.89	27.99	11.5	0.148	1461.4
650.0	0.17	0.15	34.88	28.00	9.9	0.152	1460.7
680.0	-0.13	-0.16	34.88	28.02	8.1	0.154	1459.8
710.0	-0.28	-0.31	34.88	28.02	7.1	0.157	1459.6
740.0	-0.45	-0.48	34.89	28.04	5.5	0.159	1459.4
790.0	-0.70	-0.73	34.88	28.05	4.2	0.161	1459.1
816.5	-0.80	-0.83	34.88	28.05	3.2	0.162	1459.1


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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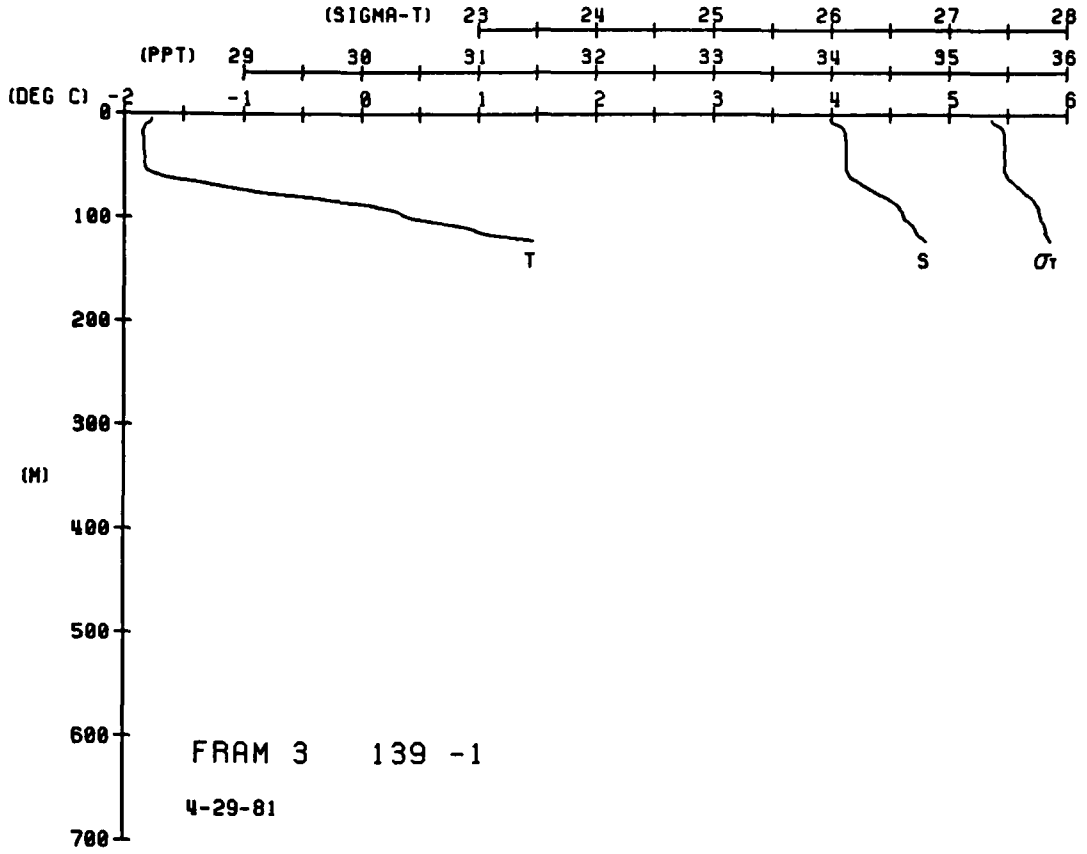

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 138 -1
4-29-81

FRAM 3 STATION 139(1) CTD 29/APR/1981 2050 GMT CODE = 5
LAT = 81.8802N LNG = 5.3968E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	33.98	27.35	71.5	0.000	1439.7
4.0	-1.76	-1.76	33.98	27.35	71.5	0.003	1439.7
5.0	-1.77	-1.77	33.99	27.36	70.8	0.004	1439.7
10.0	-1.81	-1.81	34.06	27.41	65.5	0.007	1439.7
15.0	-1.84	-1.84	34.11	27.46	61.1	0.010	1439.8
20.0	-1.84	-1.84	34.12	27.47	60.4	0.013	1439.8
25.0	-1.84	-1.84	34.13	27.47	60.0	0.016	1439.9
30.0	-1.84	-1.84	34.13	27.47	59.7	0.019	1440.0
35.0	-1.83	-1.83	34.13	27.47	59.7	0.022	1440.1
40.0	-1.83	-1.83	34.13	27.47	59.9	0.025	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.5	0.028	1440.3
50.0	-1.82	-1.82	34.13	27.47	59.8	0.031	1440.4
55.0	-1.80	-1.80	34.14	27.48	59.0	0.034	1440.6
60.0	-1.69	-1.69	34.16	27.50	57.5	0.037	1441.3
65.0	-1.45	-1.45	34.23	27.55	52.7	0.040	1442.6
70.0	-1.17	-1.18	34.30	27.60	48.0	0.043	1444.1
75.0	-0.93	-0.93	34.37	27.64	43.7	0.045	1445.4
80.0	-0.53	-0.53	34.46	27.70	38.6	0.047	1447.4
85.0	-0.16	-0.16	34.53	27.74	34.8	0.049	1449.3
90.0	0.16	0.16	34.58	27.76	32.7	0.051	1451.0
95.0	0.32	0.32	34.60	27.77	32.0	0.052	1451.8
100.0	0.42	0.41	34.62	27.78	31.4	0.054	1452.3
110.0	0.91	0.90	34.71	27.82	27.8	0.057	1454.8
120.0	1.33	1.32	34.78	27.85	24.7	0.060	1457.0
122.6	1.54	1.54	34.81	27.85	24.4	0.060	1458.0

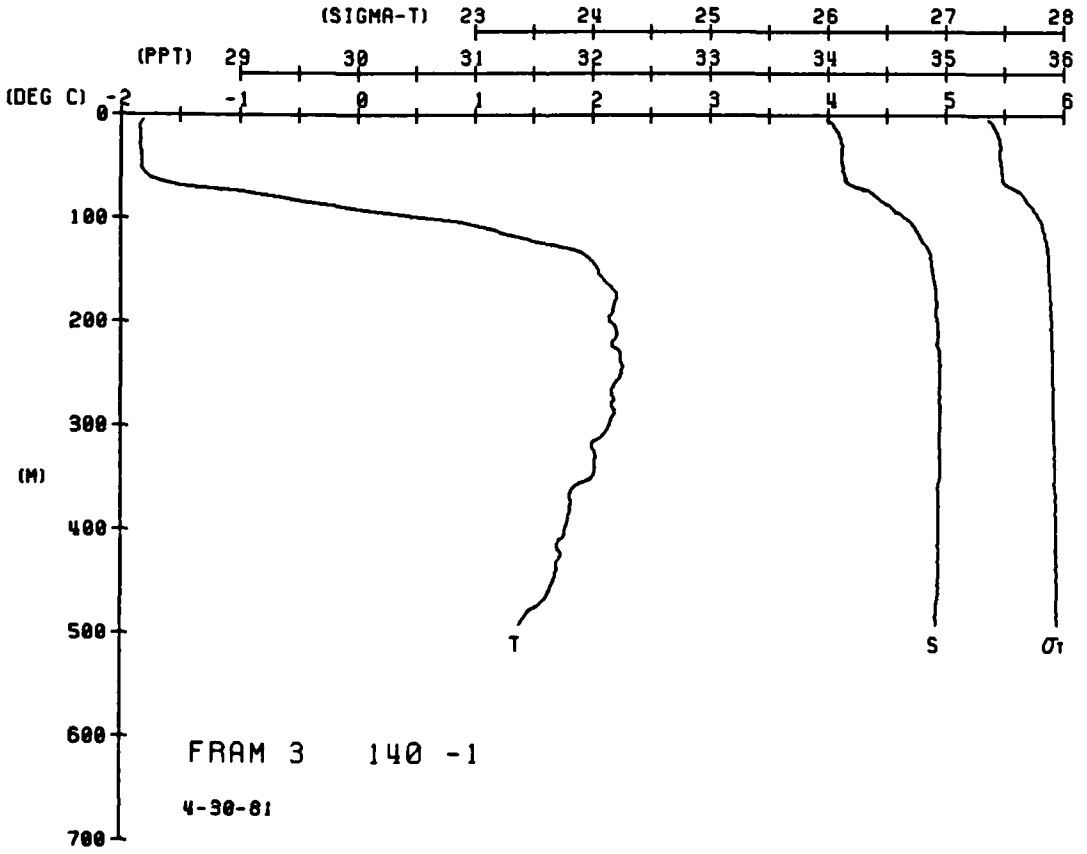
FRAM 3 STATION 140(1) CTD 30/APR/1981 927 GMT CODE = 5
LAT = 81.8727N LNG = 5.3568E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	33.98	27.35	71.5	0.000	1439.5
4.0	-1.80	-1.80	33.98	27.35	71.4	0.003	1439.6
5.0	-1.81	-1.81	34.00	27.37	69.8	0.004	1439.6
10.0	-1.84	-1.84	34.05	27.41	65.7	0.007	1439.6
15.0	-1.84	-1.84	34.08	27.43	63.7	0.010	1439.7
20.0	-1.84	-1.84	34.10	27.45	62.0	0.013	1439.8
25.0	-1.84	-1.84	34.11	27.46	61.0	0.017	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.1	0.020	1440.0
35.0	-1.83	-1.83	34.12	27.46	60.6	0.023	1440.1
40.0	-1.83	-1.83	34.12	27.46	60.6	0.026	1440.2
45.0	-1.83	-1.83	34.12	27.47	60.1	0.029	1440.3
50.0	-1.83	-1.83	34.13	27.48	59.3	0.032	1440.4
55.0	-1.80	-1.80	34.14	27.48	59.1	0.035	1440.6
60.0	-1.75	-1.75	34.15	27.49	58.2	0.038	1441.0
65.0	-1.63	-1.64	34.17	27.50	56.6	0.041	1441.6
70.0	-1.34	-1.34	34.27	27.58	49.9	0.043	1443.2
75.0	-0.91	-0.91	34.38	27.65	43.2	0.046	1445.5
80.0	-0.63	-0.63	34.44	27.68	39.9	0.048	1446.9
85.0	-0.36	-0.36	34.49	27.71	37.0	0.050	1448.4
90.0	-0.04	-0.04	34.56	27.75	33.3	0.052	1450.0
95.0	0.26	0.25	34.62	27.78	30.6	0.053	1451.5
100.0	0.63	0.63	34.68	27.81	28.3	0.055	1453.4
110.0	1.14	1.13	34.75	27.84	25.8	0.057	1455.9
120.0	1.44	1.44	34.80	27.86	24.1	0.060	1457.5
130.0	1.86	1.85	34.87	27.88	22.3	0.062	1459.6
140.0	1.99	1.99	34.89	27.88	21.9	0.064	1460.4
150.0	2.06	2.05	34.89	27.88	22.0	0.067	1460.8
160.0	2.12	2.11	34.91	27.89	21.3	0.069	1461.3
170.0	2.20	2.19	34.93	27.90	20.9	0.071	1461.9
180.0	2.20	2.19	34.93	27.90	20.7	0.073	1462.0
190.0	2.17	2.16	34.93	27.90	20.4	0.075	1462.1
200.0	2.17	2.16	34.94	27.91	19.9	0.077	1462.2
210.0	2.21	2.20	34.94	27.91	20.0	0.079	1462.6
220.0	2.17	2.16	34.94	27.91	20.0	0.081	1462.6
230.0	2.24	2.23	34.95	27.92	19.4	0.083	1463.1
240.0	2.26	2.25	34.96	27.92	19.1	0.085	1463.3
250.0	2.24	2.23	34.96	27.92	19.1	0.087	1463.4
260.0	2.19	2.18	34.96	27.92	19.1	0.089	1463.3
270.0	2.18	2.16	34.96	27.93	18.5	0.091	1463.4
280.0	2.18	2.16	34.96	27.93	18.4	0.093	1463.6
290.0	2.18	2.17	34.96	27.93	18.6	0.095	1463.8
300.0	2.15	2.13	34.96	27.93	18.3	0.097	1463.8
310.0	2.08	2.07	34.96	27.93	18.3	0.098	1463.7
320.0	2.00	1.99	34.96	27.94	17.3	0.100	1463.5
330.0	2.03	2.01	34.96	27.94	17.5	0.102	1463.8
340.0	2.03	2.01	34.96	27.94	17.7	0.104	1464.0
350.0	2.00	1.98	34.96	27.94	17.3	0.106	1464.0
360.0	1.84	1.82	34.95	27.94	17.3	0.107	1463.4
370.0	1.82	1.80	34.95	27.95	16.9	0.109	1463.5
380.0	1.82	1.80	34.95	27.95	16.9	0.111	1463.7
390.0	1.80	1.78	34.95	27.95	16.9	0.112	1463.8
400.0	1.77	1.75	34.95	27.95	16.7	0.114	1463.8
410.0	1.73	1.70	34.95	27.95	16.5	0.116	1463.8
420.0	1.73	1.71	34.95	27.95	16.5	0.118	1464.0
430.0	1.71	1.68	34.94	27.95	16.7	0.119	1464.0
440.0	1.70	1.67	34.95	27.96	16.1	0.121	1464.1
450.0	1.67	1.64	34.95	27.95	16.3	0.123	1464.2
460.0	1.63	1.60	34.94	27.96	16.1	0.124	1464.2
470.0	1.57	1.55	34.94	27.95	16.2	0.126	1464.1
480.0	1.46	1.43	34.93	27.96	15.7	0.127	1463.7
490.0	1.39	1.36	34.93	27.96	15.3	0.129	1463.6
492.1	1.38	1.35	34.93	27.96	15.3	0.129	1463.6



FRAM 3 139 -1

4-29-81

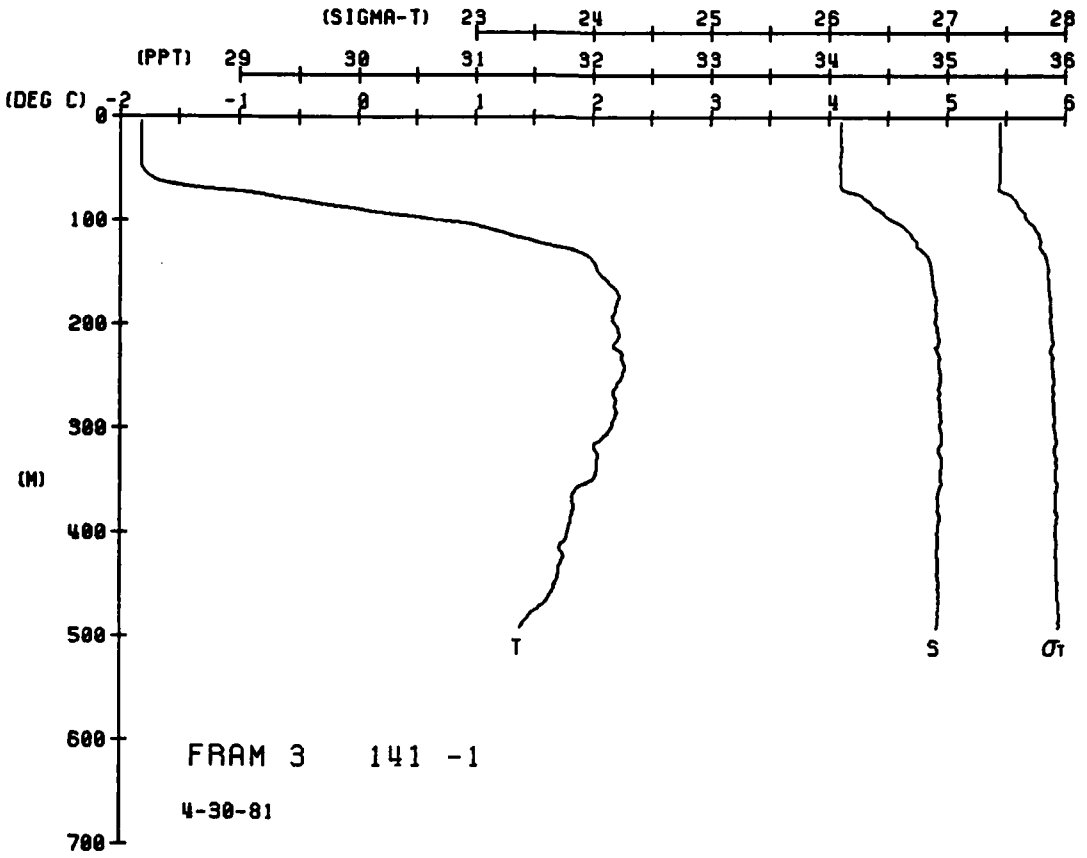


FRAM 3 140 -1

4-30-81

FRAM 3 STATION 141(1) CTD 30/APR/1981 930 GMT CODE = 5
LAT = 81.0727N LNG = 5.358E WTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.82	-1.82	34.10	27.45	61.8	0.000	1439.6
4.0	-1.82	-1.82	34.10	27.45	61.8	0.002	1439.7
5.0	-1.82	-1.82	34.11	27.45	61.7	0.003	1439.7
10.0	-1.82	-1.82	34.10	27.45	61.7	0.006	1439.7
15.0	-1.82	-1.82	34.10	27.45	61.8	0.009	1439.8
20.0	-1.82	-1.82	34.10	27.45	61.7	0.013	1439.9
25.0	-1.82	-1.82	34.10	27.45	61.8	0.016	1440.0
30.0	-1.82	-1.82	34.11	27.46	60.9	0.019	1440.1
35.0	-1.82	-1.82	34.11	27.46	61.4	0.022	1440.2
40.0	-1.82	-1.82	34.10	27.45	61.7	0.025	1440.3
45.0	-1.82	-1.82	34.10	27.45	61.9	0.028	1440.3
50.0	-1.80	-1.80	34.10	27.45	61.5	0.031	1440.5
55.0	-1.77	-1.77	34.10	27.45	61.5	0.034	1440.7
60.0	-1.71	-1.71	34.10	27.45	61.7	0.037	1441.1
65.0	-1.56	-1.56	34.10	27.45	62.1	0.041	1441.9
70.0	-1.18	-1.18	34.13	27.45	61.6	0.044	1443.8
75.0	-0.80	-0.80	34.20	27.55	52.7	0.047	1445.8
80.0	-0.53	-0.53	34.33	27.59	48.8	0.049	1447.2
85.0	-0.24	-0.25	34.37	27.61	46.7	0.051	1448.7
90.0	0.07	0.07	34.44	27.65	42.9	0.054	1450.4
95.0	0.39	0.38	34.49	27.67	41.4	0.056	1451.9
100.0	0.77	0.77	34.55	27.70	38.5	0.058	1453.8
110.0	1.21	1.20	34.68	27.78	31.7	0.061	1456.1
120.0	1.52	1.51	34.74	27.80	29.1	0.065	1457.8
130.0	1.91	1.90	34.82	27.83	26.7	0.067	1459.8
140.0	2.02	2.01	34.86	27.86	24.1	0.070	1460.5
150.0	2.06	2.05	34.88	27.87	23.4	0.072	1460.8
160.0	2.15	2.14	34.89	27.87	23.2	0.075	1461.4
170.0	2.22	2.21	34.91	27.88	22.3	0.077	1461.9
180.0	2.20	2.19	34.91	27.89	21.8	0.079	1462.0
190.0	2.18	2.17	34.92	27.89	21.4	0.081	1462.1
200.0	2.21	2.19	34.92	27.89	21.4	0.084	1462.4
210.0	2.22	2.21	34.94	27.90	20.5	0.086	1462.6
220.0	2.18	2.17	34.93	27.90	20.7	0.088	1462.6
230.0	2.26	2.24	34.95	27.91	20.0	0.090	1463.1
240.0	2.28	2.26	34.94	27.90	20.5	0.092	1463.4
250.0	2.26	2.24	34.96	27.91	19.6	0.094	1463.5
260.0	2.20	2.19	34.94	27.91	20.0	0.096	1463.4
270.0	2.20	2.18	34.94	27.91	20.0	0.098	1463.5
280.0	2.20	2.18	34.95	27.92	19.6	0.100	1463.7
290.0	2.19	2.17	34.96	27.92	18.9	0.102	1463.8
300.0	2.15	2.14	34.96	27.92	18.9	0.104	1463.8
310.0	2.07	2.05	34.97	27.94	17.3	0.106	1463.7
320.0	2.03	2.01	34.94	27.92	19.0	0.107	1463.6
330.0	2.05	2.03	34.96	27.94	17.6	0.109	1463.9
340.0	2.04	2.02	34.96	27.93	18.2	0.111	1464.0
350.0	1.98	1.96	34.96	27.94	17.4	0.113	1463.9
360.0	1.84	1.82	34.94	27.94	17.6	0.115	1463.5
370.0	1.84	1.82	34.94	27.93	18.2	0.117	1463.6
380.0	1.83	1.81	34.94	27.94	17.6	0.118	1463.7
390.0	1.81	1.79	34.94	27.94	17.7	0.120	1463.8
400.0	1.79	1.76	34.93	27.93	18.3	0.122	1463.9
410.0	1.74	1.71	34.93	27.94	17.6	0.124	1463.8
420.0	1.75	1.73	34.92	27.93	18.5	0.126	1464.0
430.0	1.72	1.70	34.93	27.94	17.8	0.127	1464.1
440.0	1.71	1.69	34.93	27.94	17.9	0.129	1464.2
450.0	1.68	1.65	34.94	27.95	16.6	0.131	1464.2
460.0	1.64	1.61	34.94	27.95	16.5	0.133	1464.2
470.0	1.57	1.54	34.94	27.96	15.8	0.134	1464.1
480.0	1.46	1.44	34.94	27.96	15.4	0.136	1463.8
490.0	1.40	1.37	34.93	27.96	15.7	0.137	1463.6
491.1	1.39	1.36	34.92	27.96	16.0	0.138	1463.6

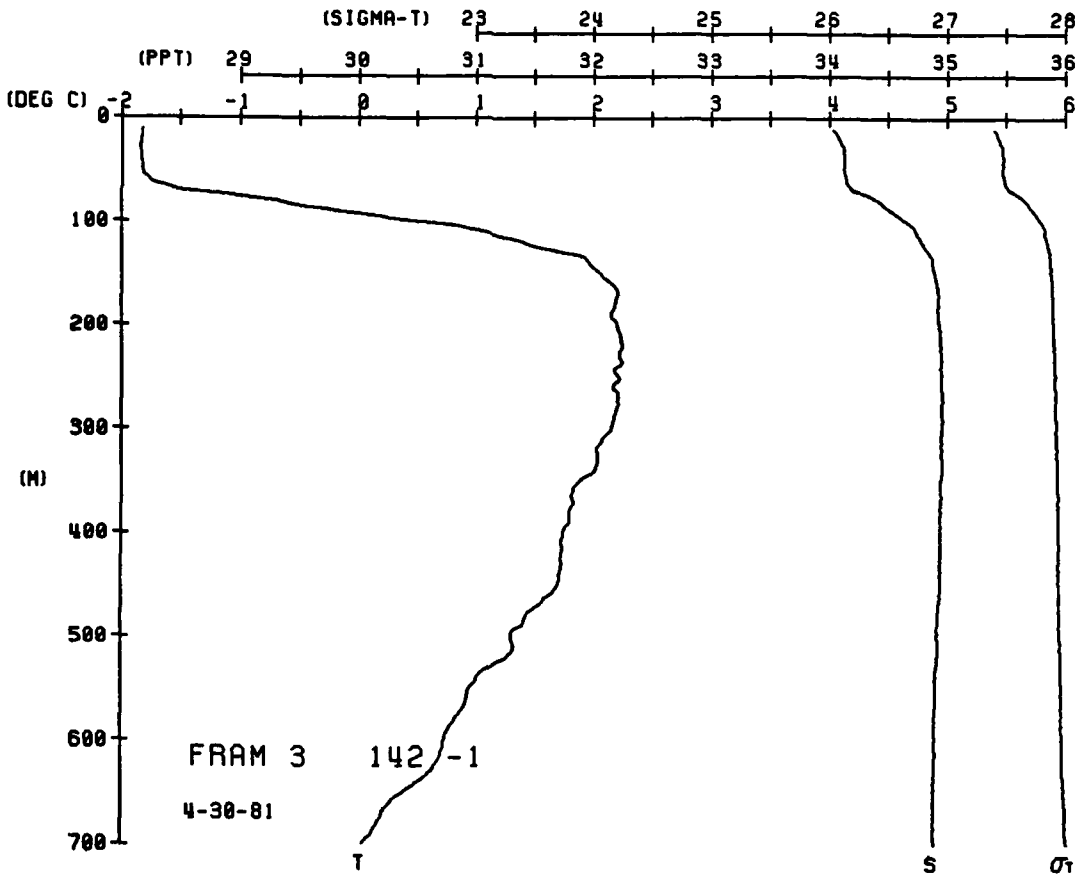


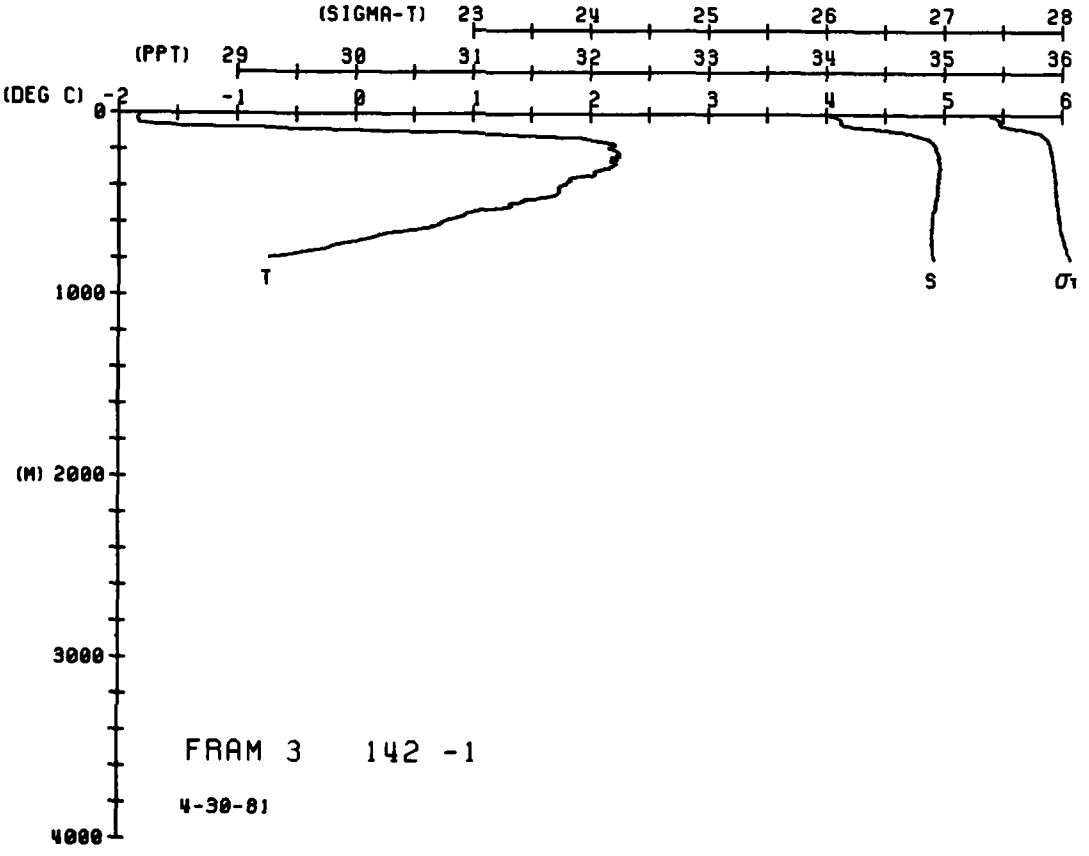
FRAM 3 141 -1

4-30-81

FRAM 3 STATION 142(1) CTD 30/APR/1981 958 GMT CODE = 5
LAT = 81.8723N LNG = 5.3575E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

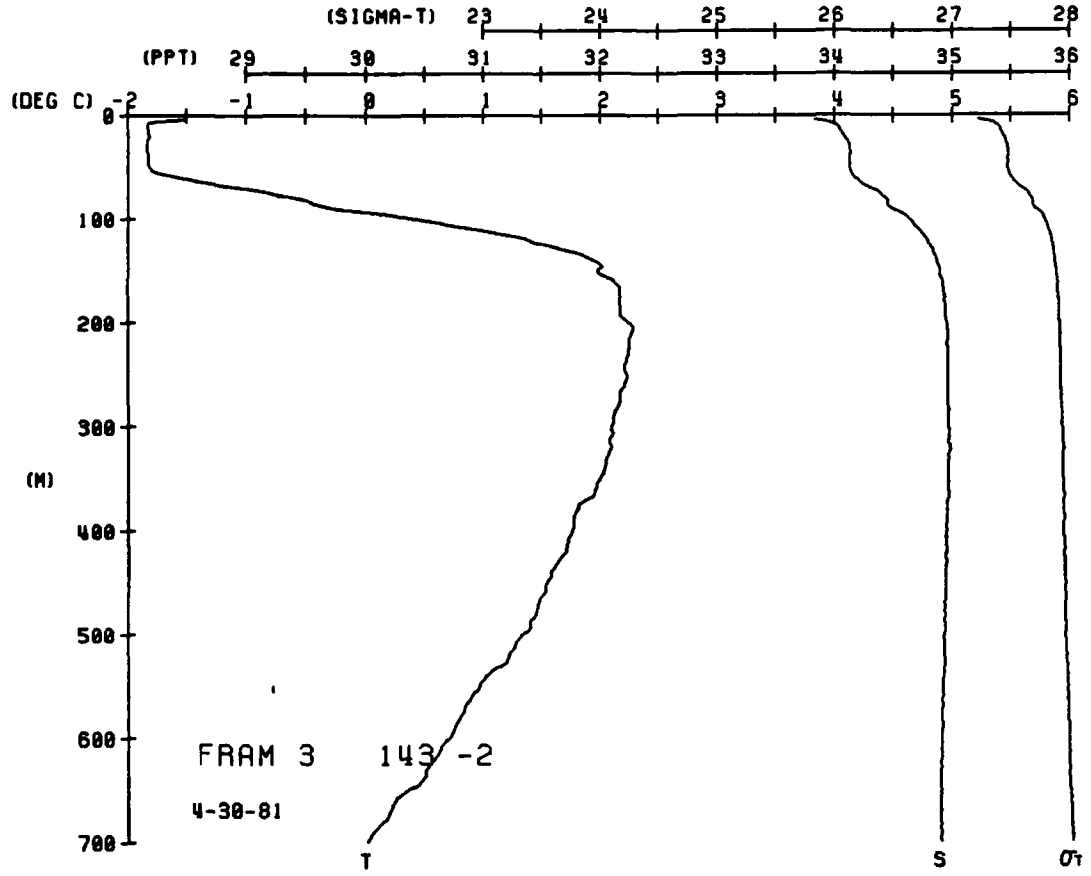
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.82	-1.82	34.04	27.40	67.1	0.000	1439.5
5.0	-1.82	-1.82	34.04	27.40	67.1	0.003	1439.6
10.0	-1.82	-1.82	34.04	27.40	67.0	0.007	1439.7
10.9	-1.82	-1.82	34.04	27.40	67.0	0.007	1439.7
15.0	-1.83	-1.83	34.06	27.42	64.8	0.010	1439.7
20.0	-1.84	-1.84	34.09	27.44	62.9	0.013	1439.8
25.0	-1.84	-1.84	34.11	27.46	61.4	0.017	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.0	0.020	1440.0
35.0	-1.84	-1.84	34.13	27.47	59.9	0.023	1440.1
40.0	-1.84	-1.84	34.13	27.47	59.5	0.026	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.6	0.029	1440.3
50.0	-1.83	-1.83	34.13	27.47	59.9	0.032	1440.4
55.0	-1.81	-1.81	34.13	27.48	59.2	0.035	1440.6
60.0	-1.76	-1.76	34.15	27.49	58.4	0.038	1440.9
65.0	-1.66	-1.67	34.16	27.50	57.2	0.041	1441.5
70.0	-1.47	-1.47	34.22	27.54	53.2	0.043	1442.6
75.0	-1.05	-1.05	34.35	27.63	45.0	0.046	1444.8
80.0	-0.71	-0.71	34.43	27.68	40.4	0.048	1446.5
85.0	-0.48	-0.48	34.48	27.71	37.5	0.050	1447.8
90.0	-0.13	-0.13	34.55	27.75	33.7	0.052	1449.6
95.0	0.17	0.16	34.60	27.78	31.2	0.053	1451.1
100.0	0.55	0.55	34.67	27.81	28.1	0.055	1453.0
110.0	1.09	1.08	34.75	27.84	25.9	0.058	1455.7
120.0	1.41	1.41	34.80	27.85	24.4	0.060	1457.4
130.0	1.78	1.78	34.86	27.88	22.3	0.063	1459.3
140.0	1.97	1.97	34.88	27.88	22.2	0.065	1460.3
150.0	2.07	2.06	34.90	27.89	21.4	0.067	1460.9
160.0	2.17	2.16	34.92	27.89	21.1	0.069	1461.6
170.0	2.21	2.21	34.93	27.90	20.7	0.071	1461.9
180.0	2.19	2.18	34.93	27.90	20.3	0.073	1462.0
190.0	2.15	2.14	34.93	27.90	20.2	0.075	1462.0
200.0	2.21	2.20	34.94	27.91	19.8	0.077	1462.4
210.0	2.24	2.22	34.95	27.91	19.7	0.079	1462.7
220.0	2.25	2.24	34.96	27.92	19.3	0.081	1462.9
230.0	2.23	2.22	34.96	27.92	19.1	0.083	1463.0
240.0	2.21	2.19	34.95	27.91	19.5	0.085	1463.1
250.0	2.22	2.21	34.96	27.92	19.1	0.087	1463.3
260.0	2.17	2.16	34.96	27.92	18.9	0.089	1463.3
270.0	2.21	2.20	34.96	27.92	18.7	0.091	1463.6
280.0	2.20	2.19	34.97	27.93	18.4	0.093	1463.7
290.0	2.18	2.16	34.97	27.93	18.1	0.095	1463.8
300.0	2.15	2.14	34.96	27.93	18.4	0.097	1463.8
310.0	2.08	2.06	34.96	27.93	18.1	0.098	1463.7
320.0	2.04	2.02	34.96	27.94	17.4	0.100	1463.7
330.0	2.04	2.02	34.96	27.94	17.5	0.102	1463.9
340.0	2.02	2.00	34.96	27.94	17.4	0.104	1463.9
350.0	1.88	1.86	34.95	27.94	17.3	0.106	1463.5
360.0	1.83	1.81	34.95	27.94	17.1	0.107	1463.4
370.0	1.83	1.81	34.95	27.94	17.1	0.109	1463.6
380.0	1.80	1.78	34.95	27.95	16.7	0.111	1463.6
390.0	1.79	1.77	34.95	27.95	16.8	0.112	1463.7
400.0	1.75	1.73	34.95	27.95	16.6	0.114	1463.7
410.0	1.74	1.71	34.95	27.95	16.3	0.116	1463.8
420.0	1.73	1.71	34.95	27.95	16.5	0.117	1464.0
430.0	1.74	1.72	34.95	27.95	16.5	0.119	1464.2
440.0	1.72	1.70	34.95	27.95	16.4	0.121	1464.3
450.0	1.70	1.67	34.95	27.96	16.3	0.122	1464.3
460.0	1.63	1.60	34.94	27.96	16.1	0.124	1464.2
470.0	1.53	1.50	34.94	27.96	16.0	0.126	1463.9
480.0	1.43	1.41	34.94	27.96	15.3	0.127	1463.6
490.0	1.38	1.36	34.93	27.96	15.6	0.129	1463.6
500.0	1.32	1.29	34.93	27.97	14.9	0.130	1463.4
530.0	1.11	1.08	34.92	27.97	14.2	0.135	1463.0
560.0	0.93	0.90	34.91	27.98	13.3	0.139	1462.7
590.0	0.77	0.74	34.90	27.98	12.7	0.143	1462.5
620.0	0.68	0.65	34.90	27.99	12.1	0.147	1462.5
650.0	0.38	0.35	34.90	28.00	10.5	0.150	1461.7
680.0	0.17	0.14	34.90	28.01	8.9	0.153	1461.2
710.0	-0.08	-0.11	34.90	28.03	7.0	0.156	1460.6
740.0	-0.23	-0.26	34.90	28.04	5.8	0.157	1460.4
790.0	-0.70	-0.73	34.91	28.07	2.0	0.159	1459.1
800.8	-0.73	-0.76	34.89	28.06	3.1	0.160	1459.1

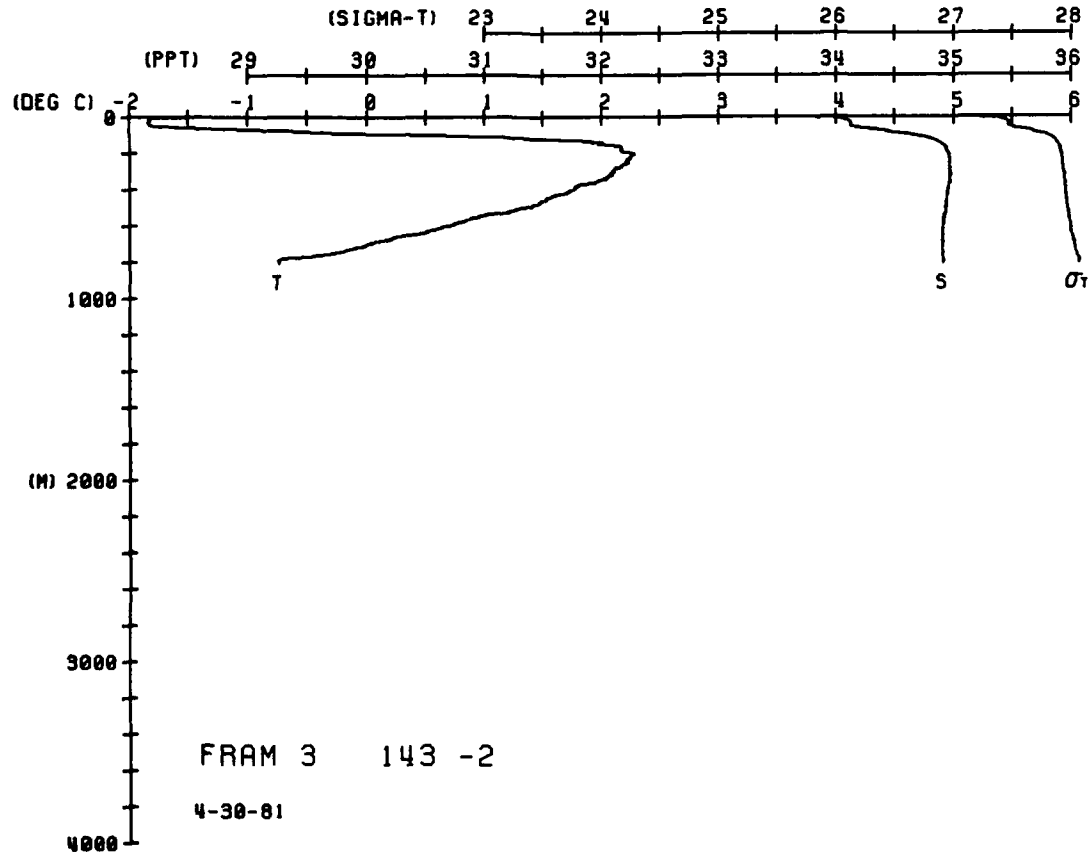

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200
300
(M)
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700
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4-30-81
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FRAM 3 142 -1
4-30-81

FRAM 3 STATION 143(2) CTD 30/APR/1981 1117 GMT CODE = 5
LAT = 81.8713N LNG = 5.3585E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

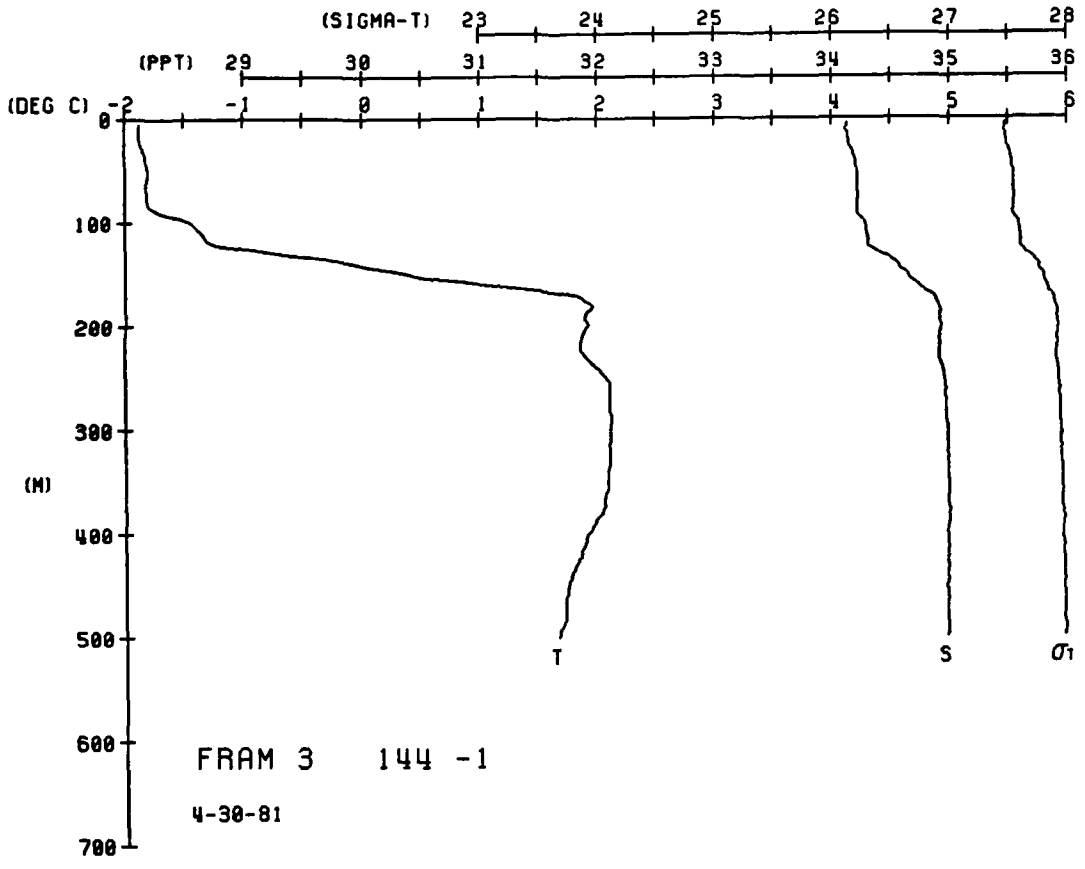
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.37	-1.37	33.78	27.17	88.2	0.000	1441.3
4.0	-1.37	-1.37	33.78	27.17	88.2	0.004	1441.3
5.0	-1.52	-1.52	33.84	27.23	82.6	0.004	1440.7
10.0	-1.83	-1.83	34.03	27.39	67.5	0.008	1439.6
15.0	-1.83	-1.83	34.05	27.41	65.6	0.012	1439.7
20.0	-1.82	-1.82	34.08	27.43	63.7	0.015	1439.9
25.0	-1.84	-1.84	34.11	27.46	61.3	0.018	1439.9
30.0	-1.84	-1.84	34.13	27.47	59.8	0.021	1440.0
35.0	-1.84	-1.84	34.14	27.48	59.2	0.024	1440.1
40.0	-1.83	-1.83	34.13	27.47	59.6	0.027	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.6	0.030	1440.3
50.0	-1.81	-1.81	34.13	27.47	59.8	0.033	1440.5
55.0	-1.77	-1.77	34.14	27.48	58.6	0.036	1440.8
60.0	-1.57	-1.57	34.17	27.50	57.0	0.039	1441.8
65.0	-1.37	-1.37	34.23	27.54	53.2	0.042	1443.0
70.0	-1.03	-1.03	34.30	27.59	48.7	0.044	1444.7
75.0	-0.81	-0.81	34.38	27.65	43.3	0.047	1446.0
80.0	-0.58	-0.58	34.44	27.68	40.3	0.049	1447.2
85.0	-0.44	-0.44	34.46	27.69	39.3	0.051	1447.9
90.0	-0.23	-0.23	34.49	27.71	37.7	0.053	1449.0
95.0	0.15	0.15	34.58	27.76	32.5	0.055	1451.0
100.0	0.43	0.42	34.64	27.79	30.0	0.056	1452.4
110.0	0.94	0.93	34.72	27.82	27.2	0.059	1455.0
120.0	1.38	1.37	34.79	27.85	24.8	0.062	1457.2
130.0	1.70	1.69	34.84	27.87	23.4	0.064	1458.9
140.0	1.95	1.94	34.87	27.87	23.1	0.066	1460.2
150.0	1.98	1.97	34.89	27.89	21.4	0.069	1460.5
160.0	2.14	2.13	34.92	27.90	20.8	0.071	1461.4
170.0	2.17	2.17	34.94	27.91	19.8	0.073	1461.8
180.0	2.16	2.15	34.94	27.91	19.8	0.075	1461.9
190.0	2.17	2.16	34.94	27.91	19.3	0.077	1462.1
200.0	2.26	2.25	34.96	27.92	19.3	0.079	1462.6
210.0	2.27	2.26	34.96	27.92	18.8	0.081	1462.9
220.0	2.25	2.24	34.96	27.92	19.0	0.083	1462.9
230.0	2.24	2.23	34.96	27.92	18.7	0.085	1463.1
240.0	2.21	2.20	34.96	27.93	18.5	0.086	1463.1
250.0	2.23	2.22	34.96	27.92	18.7	0.088	1463.4
260.0	2.21	2.20	34.97	27.93	18.3	0.090	1463.4
270.0	2.17	2.16	34.97	27.93	18.2	0.092	1463.5
280.0	2.15	2.13	34.97	27.93	18.0	0.094	1463.5
290.0	2.12	2.10	34.97	27.94	17.8	0.096	1463.5
300.0	2.10	2.08	34.97	27.94	17.7	0.097	1463.6
310.0	2.09	2.07	34.97	27.94	17.3	0.099	1463.7
320.0	2.10	2.08	34.98	27.95	16.6	0.101	1464.0
330.0	2.06	2.04	34.97	27.94	17.3	0.103	1463.9
340.0	2.04	2.02	34.96	27.94	17.5	0.104	1464.0
350.0	1.99	1.97	34.97	27.95	17.1	0.106	1464.0
360.0	1.96	1.94	34.97	27.95	16.9	0.108	1464.0
370.0	1.89	1.86	34.97	27.95	16.3	0.110	1463.8
380.0	1.81	1.79	34.95	27.95	16.7	0.111	1463.6
390.0	1.77	1.75	34.96	27.95	16.2	0.113	1463.7
400.0	1.77	1.74	34.95	27.95	16.4	0.115	1463.8
410.0	1.73	1.71	34.95	27.95	16.3	0.116	1463.8
420.0	1.71	1.68	34.95	27.95	16.5	0.118	1463.8
430.0	1.63	1.61	34.95	27.96	15.7	0.119	1463.7
440.0	1.58	1.56	34.94	27.96	15.8	0.121	1463.6
450.0	1.54	1.51	34.94	27.96	15.6	0.123	1463.6
460.0	1.52	1.49	34.94	27.96	15.4	0.124	1463.7
470.0	1.47	1.45	34.94	27.96	15.3	0.126	1463.6
480.0	1.45	1.43	34.94	27.97	15.1	0.127	1463.7
490.0	1.41	1.38	34.94	27.97	14.9	0.129	1463.7
500.0	1.34	1.32	34.93	27.97	15.0	0.130	1463.6
530.0	1.15	1.12	34.93	27.98	13.4	0.135	1463.2
560.0	0.90	0.87	34.92	27.99	12.5	0.139	1462.5
590.0	0.75	0.72	34.92	27.99	11.6	0.142	1462.4
620.0	0.57	0.54	34.91	28.00	11.1	0.146	1462.1
650.0	0.35	0.32	34.91	28.01	9.3	0.149	1461.6
680.0	0.15	0.12	34.90	28.02	8.3	0.152	1461.2
710.0	-0.01	-0.05	34.91	28.03	6.8	0.154	1460.9
740.0	-0.20	-0.23	34.91	28.04	5.6	0.156	1460.6
790.0	-0.74	-0.77	34.92	28.08	0.8	0.157	1458.9
804.7	-0.74	-0.77	34.91	28.07	1.8	0.158	1459.2


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
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FRAM 3 143 -2
4-30-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 143 -2
4-30-81
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FRAM 3 STATION 144(1) CTD 30/APR/1981 1118 GMT CODE = 5
LAT = 82.4333N LNG = 6.5333E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNmT	SOUND
0.0	-1.88	-1.88	34.13	27.48	59.3	0.000	1439.4
4.0	-1.88	-1.88	34.13	27.48	59.3	0.002	1439.4
5.0	-1.88	-1.88	34.13	27.48	59.3	0.003	1439.4
10.0	-1.88	-1.88	34.13	27.48	59.5	0.006	1439.5
15.0	-1.87	-1.87	34.14	27.48	58.9	0.009	1439.6
20.0	-1.87	-1.87	34.14	27.49	58.5	0.012	1439.7
25.0	-1.86	-1.86	34.15	27.49	57.8	0.015	1439.9
30.0	-1.84	-1.84	34.17	27.51	56.2	0.018	1440.1
35.0	-1.82	-1.82	34.19	27.53	54.8	0.021	1440.3
40.0	-1.82	-1.82	34.21	27.54	53.6	0.023	1440.4
45.0	-1.81	-1.81	34.21	27.54	53.3	0.026	1440.5
50.0	-1.80	-1.81	34.22	27.55	52.7	0.029	1440.6
55.0	-1.80	-1.81	34.22	27.54	52.8	0.031	1440.7
60.0	-1.81	-1.81	34.22	27.55	52.6	0.034	1440.8
65.0	-1.82	-1.82	34.22	27.55	52.4	0.037	1440.8
70.0	-1.81	-1.81	34.22	27.55	52.3	0.039	1440.9
75.0	-1.81	-1.81	34.23	27.55	51.8	0.042	1441.0
80.0	-1.81	-1.81	34.22	27.55	52.3	0.045	1441.1
85.0	-1.79	-1.79	34.22	27.55	52.5	0.047	1441.3
90.0	-1.71	-1.71	34.22	27.54	52.9	0.050	1441.8
95.0	-1.56	-1.57	34.24	27.56	51.6	0.053	1442.5
100.0	-1.43	-1.43	34.29	27.59	48.3	0.055	1443.3
110.0	-1.34	-1.35	34.30	27.60	47.2	0.060	1443.9
120.0	-1.27	-1.27	34.32	27.61	46.5	0.065	1444.5
130.0	-0.68	-0.69	34.41	27.66	41.7	0.069	1447.5
140.0	-0.06	-0.06	34.56	27.75	33.3	0.073	1450.7
150.0	0.40	0.40	34.64	27.80	29.3	0.076	1453.1
160.0	1.07	1.06	34.73	27.82	27.1	0.079	1456.4
170.0	1.79	1.78	34.85	27.87	23.2	0.081	1459.9
180.0	1.96	1.95	34.91	27.90	20.4	0.084	1460.9
190.0	1.90	1.89	34.92	27.91	19.1	0.086	1460.9
200.0	1.92	1.91	34.93	27.92	18.7	0.088	1461.1
210.0	1.88	1.87	34.92	27.91	19.3	0.089	1461.1
220.0	1.86	1.85	34.92	27.92	18.9	0.091	1461.2
230.0	1.91	1.90	34.92	27.91	19.4	0.093	1461.6
240.0	2.00	1.99	34.95	27.93	18.1	0.095	1462.2
250.0	2.08	2.07	34.96	27.94	17.5	0.097	1462.7
260.0	2.12	2.10	34.97	27.94	17.1	0.099	1463.0
270.0	2.11	2.09	34.97	27.94	17.3	0.101	1463.2
280.0	2.12	2.10	34.97	27.94	17.3	0.102	1463.4
290.0	2.13	2.11	34.97	27.94	17.2	0.104	1463.6
300.0	2.12	2.10	34.99	27.95	16.4	0.106	1463.7
310.0	2.12	2.10	34.99	27.95	16.4	0.107	1463.9
320.0	2.11	2.10	34.98	27.95	16.5	0.109	1464.0
330.0	2.11	2.09	34.98	27.95	16.6	0.111	1464.2
340.0	2.10	2.08	34.99	27.96	16.0	0.112	1464.3
350.0	2.10	2.07	34.99	27.96	15.8	0.114	1464.5
360.0	2.08	2.06	35.00	27.96	15.6	0.116	1464.6
370.0	2.07	2.04	34.99	27.96	16.1	0.117	1464.7
380.0	2.04	2.02	35.00	27.97	15.0	0.119	1464.7
390.0	1.98	1.96	34.99	27.96	15.5	0.120	1464.6
400.0	1.93	1.91	34.98	27.96	15.4	0.122	1464.5
410.0	1.90	1.88	34.99	27.97	14.7	0.123	1464.6
420.0	1.87	1.84	34.98	27.97	14.9	0.125	1464.6
430.0	1.82	1.80	34.99	27.97	14.6	0.126	1464.6
440.0	1.78	1.76	34.98	27.97	14.6	0.128	1464.6
450.0	1.75	1.73	34.98	27.97	14.8	0.129	1464.6
460.0	1.74	1.72	34.98	27.98	14.1	0.131	1464.7
470.0	1.73	1.70	34.98	27.98	14.1	0.132	1464.8
480.0	1.73	1.70	34.98	27.97	14.6	0.134	1465.0
490.0	1.70	1.67	34.99	27.99	13.4	0.135	1465.1
499.0	1.67	1.64	34.97	27.97	14.6	0.136	1465.0

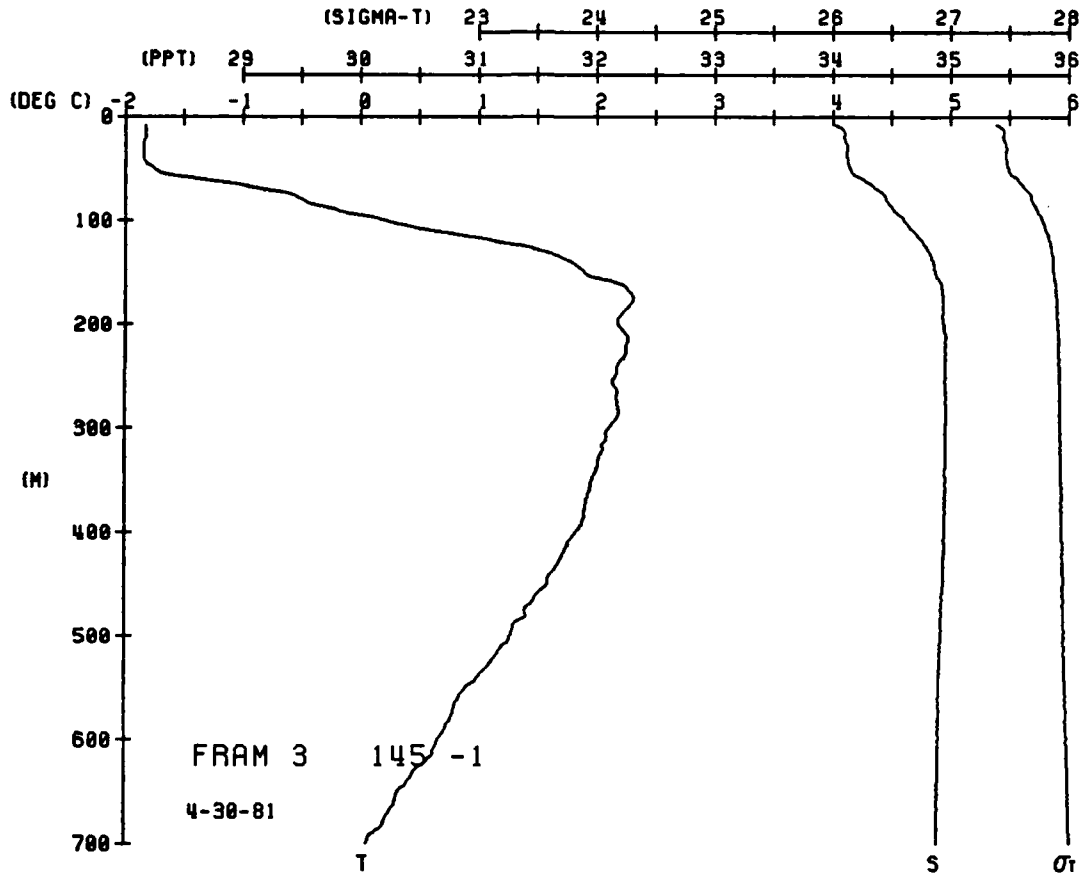


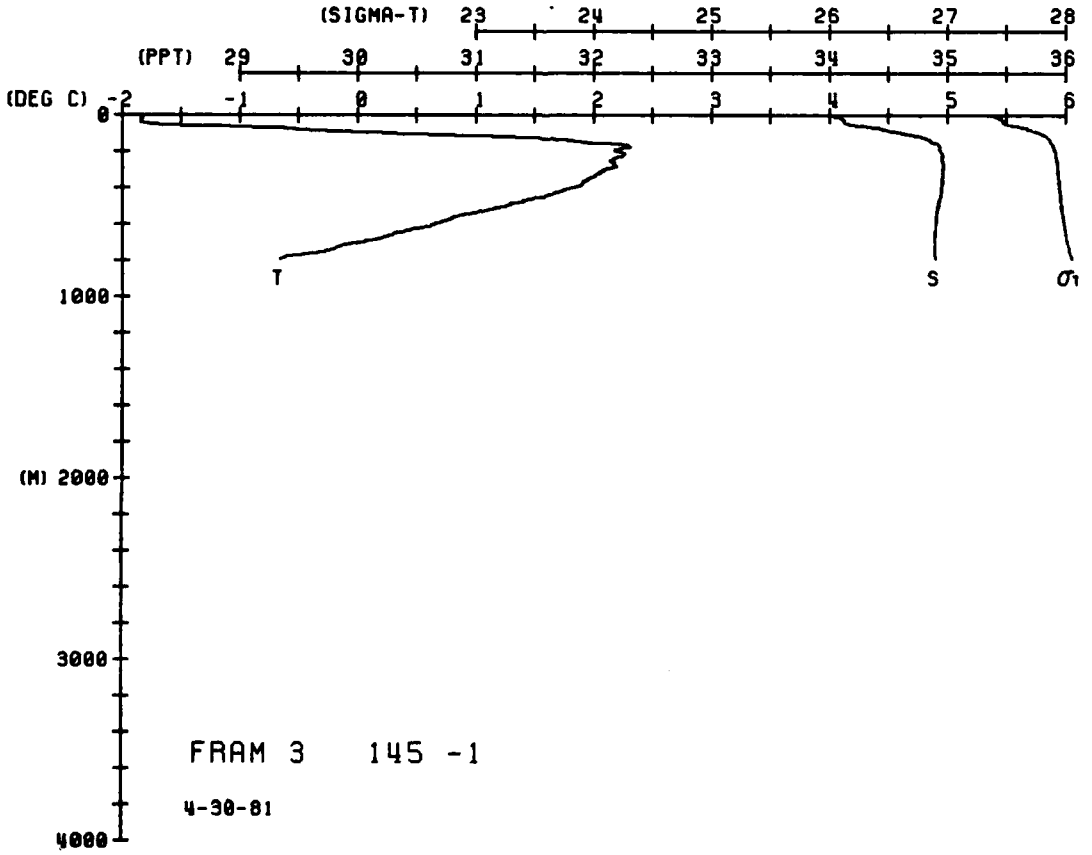
FRAM 3 144 -1

4-30-81

FRAM 3 STATION 145(1) CTD 30/APR/1981 1413 GMT CODE = 5
LAT = 81.8650N LNG = 5.3515E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

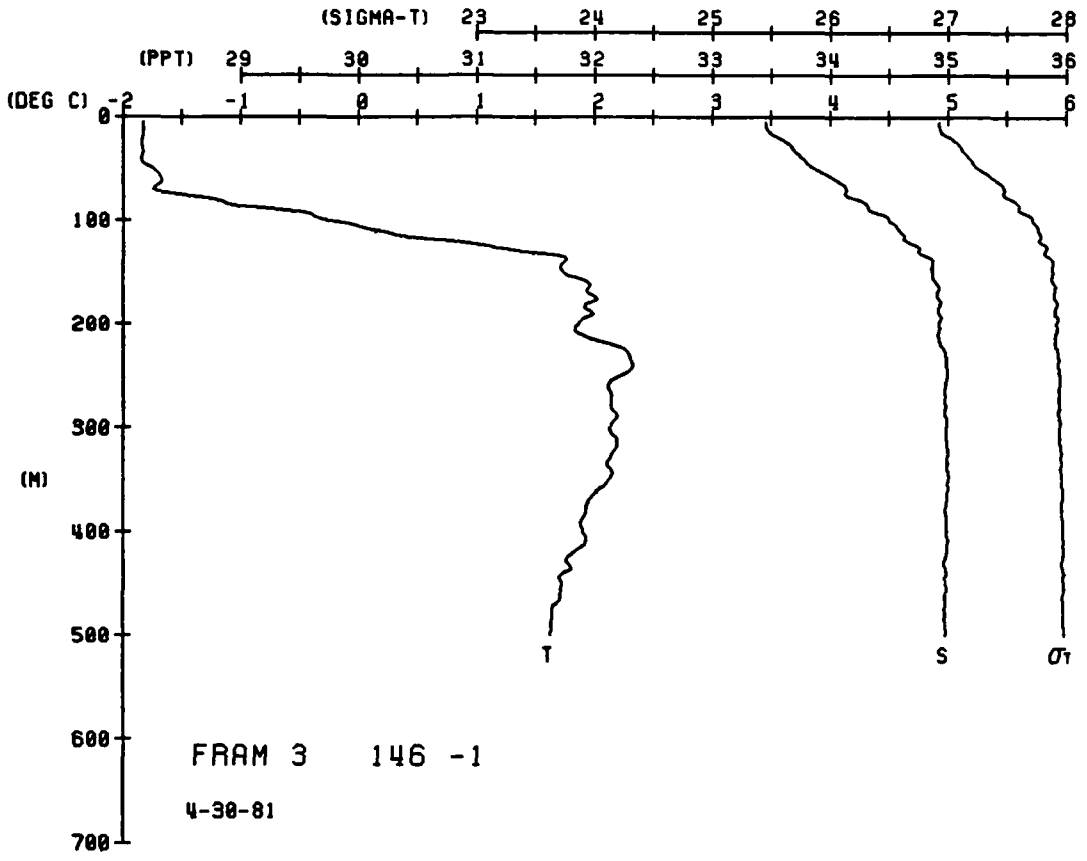
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	34.03	27.39	67.9	0.000	1439.4
5.0	-1.83	-1.83	34.03	27.39	67.9	0.003	1439.5
7.9	-1.83	-1.83	34.03	27.39	67.9	0.005	1439.6
10.0	-1.83	-1.83	34.07	27.43	64.4	0.007	1439.6
15.0	-1.83	-1.83	34.10	27.45	61.9	0.010	1439.8
20.0	-1.83	-1.83	34.10	27.45	62.3	0.013	1439.8
25.0	-1.84	-1.84	34.12	27.46	60.6	0.016	1439.9
30.0	-1.84	-1.84	34.13	27.47	59.8	0.019	1440.0
35.0	-1.84	-1.84	34.12	27.47	60.3	0.022	1440.1
40.0	-1.84	-1.84	34.13	27.47	59.8	0.025	1440.2
45.0	-1.82	-1.82	34.13	27.48	59.3	0.028	1440.4
50.0	-1.75	-1.76	34.15	27.49	58.1	0.031	1440.8
55.0	-1.67	-1.67	34.18	27.51	56.0	0.034	1441.3
60.0	-1.39	-1.39	34.26	27.57	50.9	0.037	1442.8
65.0	-1.04	-1.05	34.32	27.61	47.0	0.039	1444.6
70.0	-0.82	-0.82	34.38	27.65	43.3	0.042	1445.8
75.0	-0.58	-0.58	34.44	27.68	39.9	0.044	1447.1
80.0	-0.50	-0.50	34.46	27.69	39.1	0.046	1447.6
85.0	-0.38	-0.38	34.49	27.72	36.8	0.048	1448.3
90.0	-0.20	-0.20	34.53	27.73	35.1	0.050	1449.2
95.0	0.00	0.00	34.57	27.76	32.8	0.051	1450.3
100.0	0.22	0.21	34.61	27.78	30.7	0.053	1451.4
110.0	0.62	0.62	34.68	27.81	27.8	0.056	1453.5
120.0	1.16	1.16	34.76	27.85	25.0	0.058	1456.2
130.0	1.56	1.55	34.82	27.86	23.5	0.061	1458.2
140.0	1.79	1.78	34.85	27.87	22.8	0.063	1459.4
150.0	1.90	1.90	34.87	27.88	22.3	0.066	1460.1
160.0	2.18	2.17	34.92	27.89	20.9	0.068	1461.6
170.0	2.29	2.28	34.94	27.90	20.8	0.070	1462.3
180.0	2.29	2.28	34.94	27.90	20.4	0.072	1462.4
190.0	2.21	2.20	34.94	27.91	20.0	0.074	1462.2
200.0	2.19	2.18	34.95	27.91	19.3	0.076	1462.3
210.0	2.26	2.24	34.96	27.92	18.8	0.078	1462.8
220.0	2.26	2.24	34.96	27.92	18.9	0.080	1463.0
230.0	2.24	2.23	34.96	27.92	18.7	0.082	1463.1
240.0	2.18	2.16	34.96	27.92	18.5	0.084	1463.0
250.0	2.16	2.15	34.96	27.93	18.3	0.085	1463.0
260.0	2.16	2.15	34.97	27.93	17.8	0.087	1463.2
270.0	2.17	2.16	34.97	27.93	17.9	0.089	1463.5
280.0	2.19	2.17	34.97	27.94	17.8	0.091	1463.7
290.0	2.17	2.16	34.97	27.93	18.0	0.093	1463.8
300.0	2.10	2.09	34.96	27.93	17.9	0.095	1463.6
310.0	2.09	2.07	34.96	27.94	17.8	0.096	1463.7
320.0	2.06	2.04	34.96	27.94	17.6	0.098	1463.8
330.0	2.02	2.00	34.96	27.94	17.3	0.100	1463.8
340.0	2.01	1.99	34.96	27.94	17.6	0.102	1463.9
350.0	1.97	1.95	34.96	27.94	17.2	0.103	1463.9
360.0	1.95	1.92	34.96	27.95	16.9	0.105	1463.9
370.0	1.91	1.89	34.96	27.95	16.8	0.107	1464.0
380.0	1.90	1.88	34.96	27.95	16.8	0.109	1464.1
390.0	1.89	1.87	34.96	27.95	16.7	0.110	1464.2
400.0	1.83	1.81	34.96	27.95	16.6	0.112	1464.1
410.0	1.76	1.74	34.95	27.95	16.4	0.114	1464.0
420.0	1.73	1.70	34.95	27.95	16.2	0.115	1463.9
430.0	1.68	1.66	34.95	27.96	16.2	0.117	1463.9
440.0	1.62	1.59	34.94	27.96	16.0	0.119	1463.8
450.0	1.59	1.56	34.95	27.96	15.7	0.120	1463.8
460.0	1.50	1.47	34.94	27.96	15.6	0.122	1463.6
470.0	1.43	1.41	34.93	27.96	15.5	0.123	1463.5
480.0	1.41	1.38	34.93	27.96	15.4	0.125	1463.5
490.0	1.29	1.27	34.93	27.97	15.0	0.126	1463.2
500.0	1.27	1.24	34.93	27.97	14.5	0.128	1463.2
530.0	1.07	1.04	34.92	27.97	13.9	0.132	1462.8
560.0	0.84	0.81	34.90	27.98	13.2	0.136	1462.3
590.0	0.72	0.70	34.90	27.99	12.4	0.140	1462.3
620.0	0.57	0.54	34.90	28.00	11.3	0.144	1462.0
650.0	0.32	0.30	34.90	28.01	10.0	0.147	1461.4
680.0	0.20	0.17	34.90	28.01	9.1	0.150	1461.4
710.0	-0.05	-0.08	34.89	28.02	7.6	0.153	1460.7
740.0	-0.20	-0.23	34.89	28.03	6.6	0.155	1460.6
790.0	-0.66	-0.69	34.90	28.06	3.0	0.157	1459.3
794.9	-0.68	-0.71	34.92	28.08	1.0	0.157	1459.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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700
FRAM 3 145 -1
4-30-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
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4000
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FRAM 3 145 -1
4-30-81

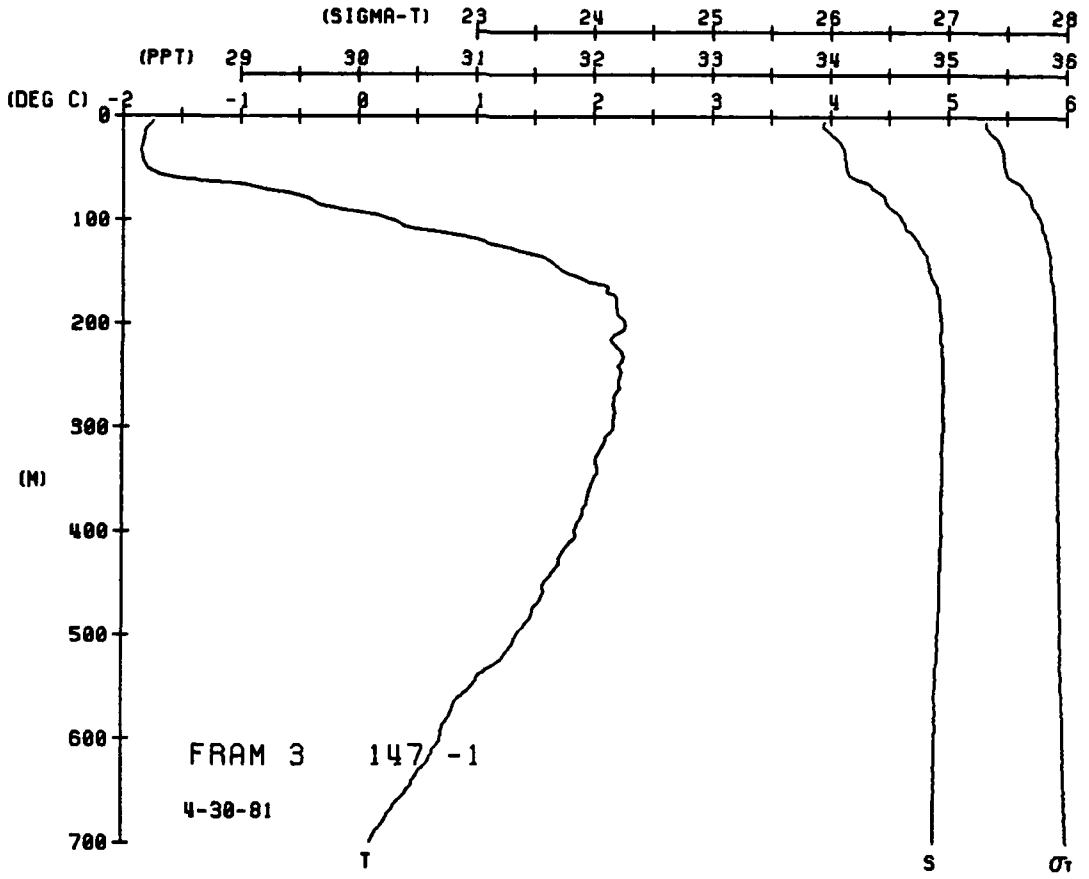
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AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

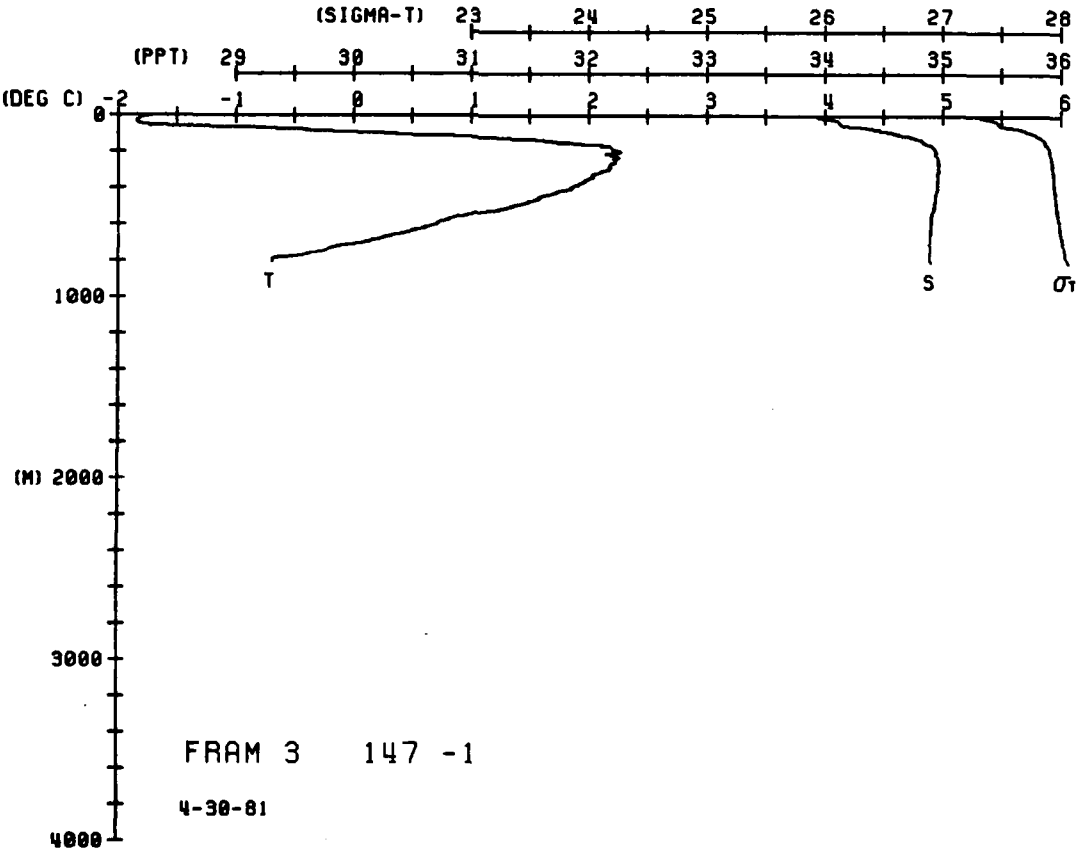
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	33.45	26.92	112.4	0.000	1438.6
4.0	-1.83	-1.83	33.45	26.92	112.4	0.005	1438.7
5.0	-1.83	-1.83	33.45	26.92	112.1	0.006	1438.7
10.0	-1.83	-1.83	33.47	26.93	111.0	0.011	1438.8
15.0	-1.83	-1.83	33.49	26.95	109.1	0.017	1438.9
20.0	-1.84	-1.84	33.57	27.02	103.1	0.022	1439.1
25.0	-1.84	-1.84	33.64	27.08	97.0	0.027	1439.2
30.0	-1.84	-1.84	33.68	27.11	93.9	0.032	1439.4
35.0	-1.83	-1.83	33.72	27.14	91.0	0.037	1439.6
40.0	-1.84	-1.84	33.77	27.18	87.1	0.041	1439.7
45.0	-1.83	-1.83	33.82	27.22	83.6	0.046	1439.9
50.0	-1.75	-1.75	33.87	27.26	79.3	0.050	1440.4
55.0	-1.70	-1.70	33.96	27.34	72.5	0.054	1440.9
60.0	-1.67	-1.67	34.05	27.40	66.3	0.057	1441.2
65.0	-1.69	-1.69	34.11	27.46	61.1	0.060	1441.3
70.0	-1.74	-1.74	34.14	27.48	58.8	0.063	1441.2
75.0	-1.52	-1.52	34.13	27.47	59.9	0.066	1442.3
80.0	-1.21	-1.21	34.25	27.55	52.4	0.069	1444.0
85.0	-1.07	-1.07	34.32	27.60	47.3	0.072	1444.8
90.0	-0.60	-0.60	34.35	27.61	47.0	0.074	1447.1
95.0	-0.39	-0.39	34.47	27.70	38.4	0.076	1448.3
100.0	-0.23	-0.23	34.50	27.72	36.8	0.078	1449.2
110.0	0.17	0.17	34.59	27.77	31.9	0.082	1451.3
120.0	0.81	0.81	34.65	27.78	31.4	0.085	1454.5
130.0	1.44	1.43	34.75	27.82	27.9	0.088	1457.6
140.0	1.74	1.74	34.88	27.89	20.9	0.090	1459.3
150.0	1.75	1.74	34.87	27.89	21.0	0.092	1459.5
160.0	1.97	1.96	34.91	27.90	20.3	0.094	1460.7
170.0	1.95	1.94	34.91	27.90	20.3	0.097	1460.7
180.0	1.95	1.94	34.94	27.93	17.8	0.098	1460.9
190.0	1.99	1.98	34.94	27.92	18.4	0.100	1461.3
200.0	1.87	1.86	34.93	27.92	18.1	0.102	1460.9
210.0	1.90	1.89	34.92	27.91	19.2	0.104	1461.2
220.0	2.18	2.16	34.94	27.91	19.8	0.106	1462.6
230.0	2.30	2.29	34.99	27.94	17.6	0.108	1463.4
240.0	2.33	2.32	34.99	27.93	17.7	0.110	1463.7
250.0	2.21	2.20	34.99	27.95	16.3	0.111	1463.3
260.0	2.12	2.11	34.98	27.94	16.9	0.113	1463.1
270.0	2.14	2.13	34.98	27.94	17.2	0.115	1463.3
280.0	2.14	2.13	34.98	27.94	17.1	0.117	1463.5
290.0	2.19	2.17	34.98	27.94	17.0	0.118	1463.9
300.0	2.13	2.12	34.99	27.95	16.5	0.120	1463.8
310.0	2.20	2.18	34.99	27.95	16.7	0.122	1464.3
320.0	2.18	2.16	35.00	27.96	15.7	0.123	1464.4
330.0	2.13	2.11	34.99	27.96	16.0	0.125	1464.3
340.0	2.14	2.13	35.00	27.96	15.9	0.126	1464.5
350.0	2.11	2.09	35.00	27.96	15.3	0.128	1464.6
360.0	2.02	2.00	35.00	27.97	14.8	0.130	1464.3
370.0	1.95	1.93	34.99	27.97	14.8	0.131	1464.2
380.0	1.93	1.91	34.98	27.96	15.4	0.133	1464.2
390.0	1.89	1.87	34.99	27.97	14.9	0.134	1464.2
400.0	1.91	1.89	34.99	27.97	14.7	0.136	1464.5
410.0	1.93	1.90	35.00	27.98	14.3	0.137	1464.7
420.0	1.82	1.80	34.99	27.98	14.0	0.139	1464.4
430.0	1.78	1.76	34.97	27.96	14.5	0.140	1464.4
440.0	1.73	1.71	34.99	27.98	14.5	0.142	1464.4
450.0	1.73	1.70	34.98	27.98	14.0	0.143	1464.5
460.0	1.72	1.69	34.98	27.98	14.4	0.144	1464.6
470.0	1.67	1.64	34.98	27.98	13.8	0.146	1464.6
480.0	1.64	1.62	34.98	27.98	13.9	0.147	1464.6
490.0	1.64	1.61	34.98	27.98	13.6	0.149	1464.8
499.0	1.63	1.60	34.98	27.98	13.6	0.150	1464.9


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 146 -1
4-30-81

FRAM 3 STATION 147(1) CTD 30/APR/1981 1448 GMT CODE = 5
LAT = 81.8622N LNG = 5.3497E LTER = 30 LGER = 30
AIR TEMP = 0.0 HARUM = 0.0 WIND = 0.0 SPEED = 0.0

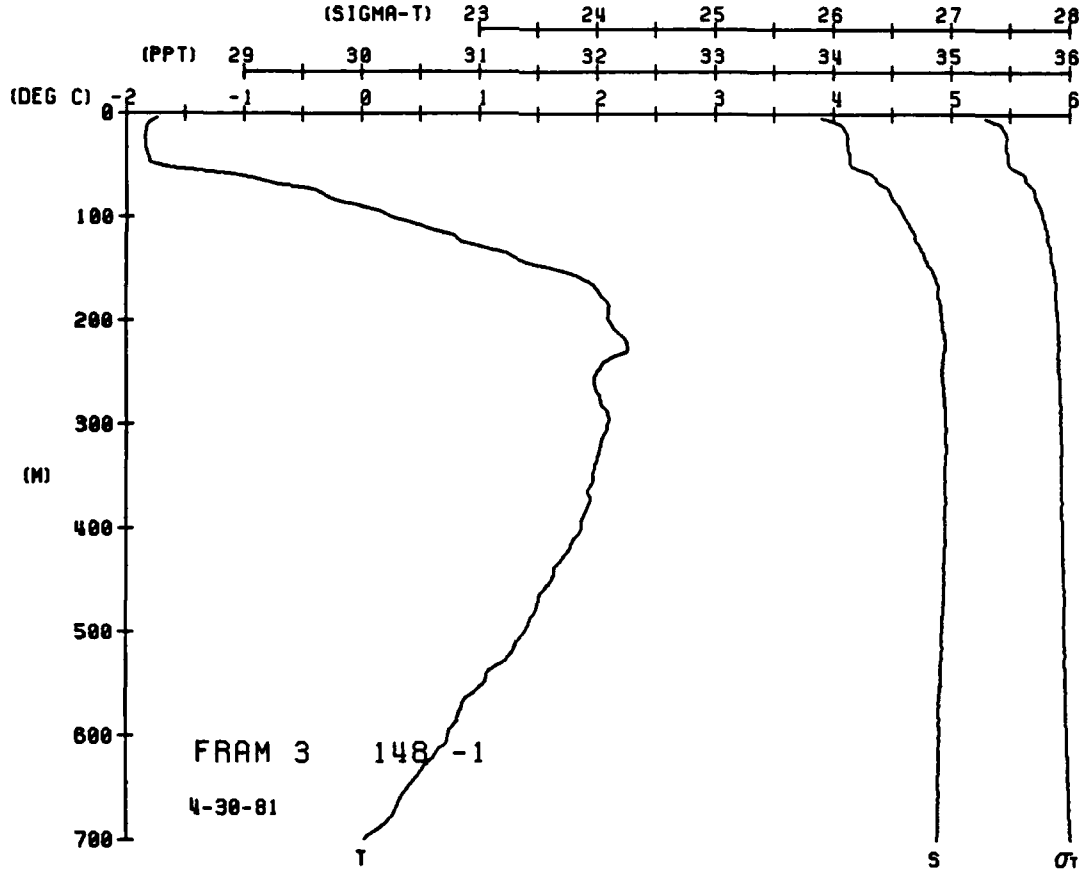
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.74	-1.74	33.95	27.33	73.7	0.000	1439.8
4.0	-1.74	-1.74	33.95	27.33	73.7	0.003	1439.8
5.0	-1.74	-1.74	33.95	27.32	74.2	0.004	1439.8
10.0	-1.78	-1.78	33.94	27.32	74.3	0.007	1439.7
15.0	-1.81	-1.81	33.99	27.36	70.2	0.011	1439.7
20.0	-1.82	-1.82	34.05	27.41	66.0	0.015	1439.8
25.0	-1.83	-1.83	34.09	27.44	62.9	0.018	1439.9
30.0	-1.84	-1.84	34.11	27.46	61.1	0.021	1440.0
35.0	-1.84	-1.84	34.12	27.47	60.0	0.024	1440.1
40.0	-1.83	-1.83	34.12	27.47	60.0	0.027	1440.2
45.0	-1.81	-1.81	34.14	27.48	59.1	0.030	1440.4
50.0	-1.79	-1.79	34.14	27.48	58.6	0.033	1440.6
55.0	-1.71	-1.71	34.16	27.50	57.2	0.036	1441.1
60.0	-1.54	-1.54	34.22	27.54	53.2	0.039	1442.1
65.0	-1.05	-1.06	34.34	27.62	46.0	0.041	1444.6
70.0	-0.80	-0.81	34.38	27.64	43.7	0.044	1445.9
75.0	-0.56	-0.57	34.44	27.68	39.8	0.046	1447.2
80.0	-0.41	-0.41	34.47	27.70	38.4	0.048	1448.0
85.0	-0.33	-0.33	34.48	27.71	37.6	0.050	1448.5
90.0	-0.12	-0.12	34.54	27.74	34.3	0.051	1449.6
95.0	0.13	0.13	34.59	27.77	31.9	0.053	1450.9
100.0	0.30	0.29	34.62	27.78	30.6	0.055	1451.8
110.0	0.57	0.56	34.67	27.81	28.6	0.058	1453.2
120.0	1.05	1.05	34.75	27.84	25.5	0.060	1455.7
130.0	1.40	1.39	34.80	27.86	24.1	0.063	1457.5
140.0	1.65	1.64	34.83	27.86	23.5	0.065	1458.8
150.0	1.76	1.76	34.85	27.87	23.0	0.068	1459.5
160.0	2.00	1.99	34.89	27.89	21.7	0.070	1460.8
170.0	2.13	2.12	34.92	27.90	20.8	0.072	1461.5
180.0	2.20	2.19	34.93	27.90	20.7	0.074	1462.0
190.0	2.21	2.20	34.94	27.91	20.0	0.076	1462.2
200.0	2.28	2.26	34.95	27.91	20.0	0.078	1462.7
210.0	2.19	2.18	34.94	27.91	19.8	0.080	1462.5
220.0	2.19	2.18	34.95	27.92	19.1	0.082	1462.7
230.0	2.26	2.25	34.96	27.92	19.0	0.084	1463.2
240.0	2.22	2.20	34.96	27.92	18.7	0.086	1463.1
250.0	2.23	2.22	34.96	27.92	18.6	0.088	1463.4
260.0	2.22	2.21	34.97	27.93	18.2	0.090	1463.5
270.0	2.18	2.17	34.97	27.93	18.1	0.092	1463.5
280.0	2.18	2.16	34.97	27.93	18.3	0.093	1463.6
290.0	2.18	2.16	34.97	27.93	18.0	0.095	1463.8
300.0	2.17	2.16	34.97	27.94	17.8	0.097	1464.0
310.0	2.11	2.09	34.97	27.94	17.7	0.099	1463.8
320.0	2.07	2.05	34.96	27.94	17.8	0.101	1463.8
330.0	2.03	2.01	34.96	27.94	17.5	0.102	1463.8
340.0	2.04	2.02	34.96	27.94	17.5	0.104	1464.0
350.0	2.00	1.98	34.96	27.94	17.4	0.106	1464.0
360.0	1.97	1.95	34.96	27.94	17.2	0.108	1464.0
370.0	1.95	1.93	34.96	27.94	17.3	0.110	1464.1
380.0	1.92	1.90	34.96	27.95	17.1	0.111	1464.1
390.0	1.88	1.86	34.96	27.95	16.9	0.113	1464.1
400.0	1.85	1.83	34.96	27.95	16.7	0.115	1464.2
410.0	1.81	1.79	34.95	27.95	16.7	0.116	1464.2
420.0	1.74	1.72	34.95	27.95	16.5	0.118	1464.0
430.0	1.71	1.69	34.95	27.95	16.4	0.120	1464.1
440.0	1.65	1.63	34.94	27.95	16.5	0.121	1463.9
450.0	1.59	1.56	34.94	27.96	16.0	0.123	1463.8
460.0	1.58	1.55	34.94	27.96	15.9	0.125	1463.9
470.0	1.52	1.49	34.94	27.96	15.5	0.126	1463.8
480.0	1.48	1.46	34.94	27.96	15.6	0.128	1463.8
490.0	1.42	1.39	34.93	27.96	15.5	0.129	1463.7
500.0	1.35	1.33	34.93	27.96	15.3	0.131	1463.6
530.0	1.13	1.10	34.92	27.97	14.5	0.135	1463.1
560.0	0.86	0.84	34.91	27.98	13.3	0.140	1462.4
590.0	0.73	0.70	34.91	27.99	12.0	0.144	1462.3
620.0	0.60	0.57	34.91	28.00	11.4	0.147	1462.2
650.0	0.42	0.39	34.90	28.00	10.7	0.150	1461.9
680.0	0.22	0.19	34.89	28.01	9.5	0.154	1461.5
710.0	-0.02	-0.05	34.89	28.02	7.8	0.156	1460.9
740.0	-0.22	-0.25	34.89	28.03	6.5	0.158	1460.5
790.0	-0.69	-0.72	34.90	28.06	3.0	0.161	1459.2
805.7	-0.69	-0.72	34.92	28.07	1.4	0.161	1459.5

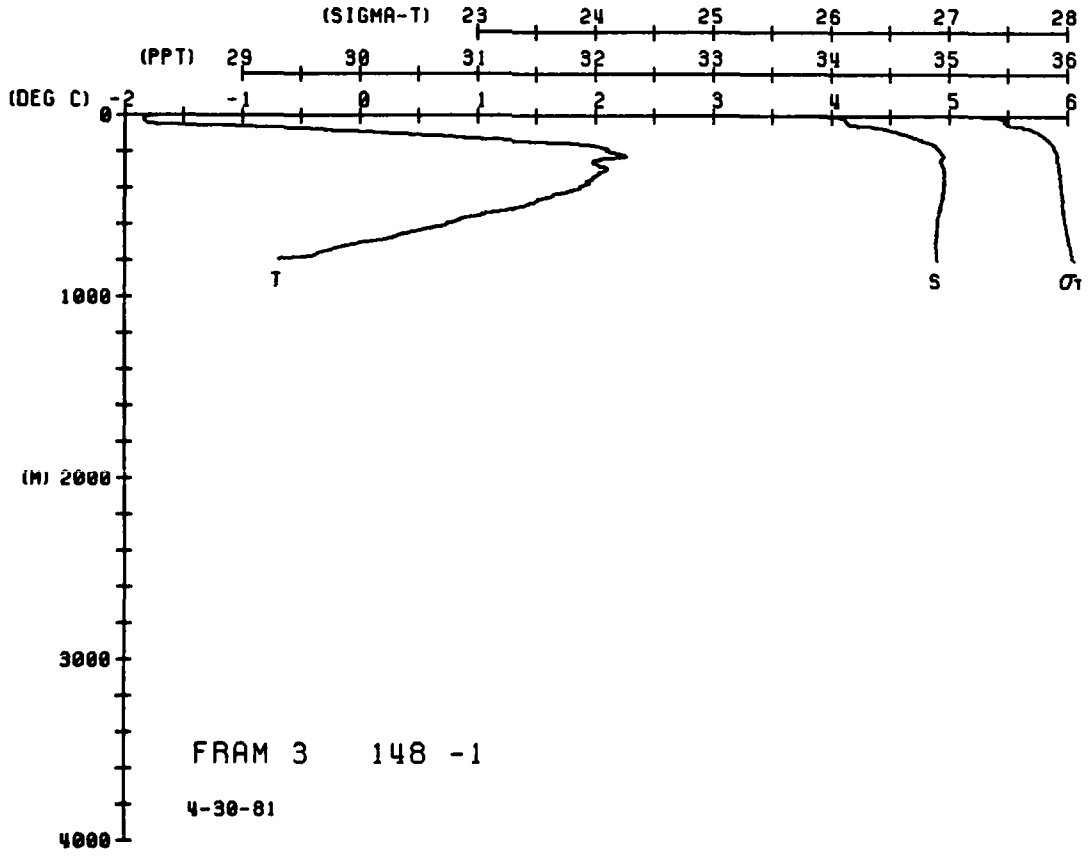

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 147 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 147 -1
4-30-81

FRAM 3 STATION 148(1) CTD 30/APR/1981 1532 GMT CODE = 5
LAT = 81.8587N LNG = 5.3443E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

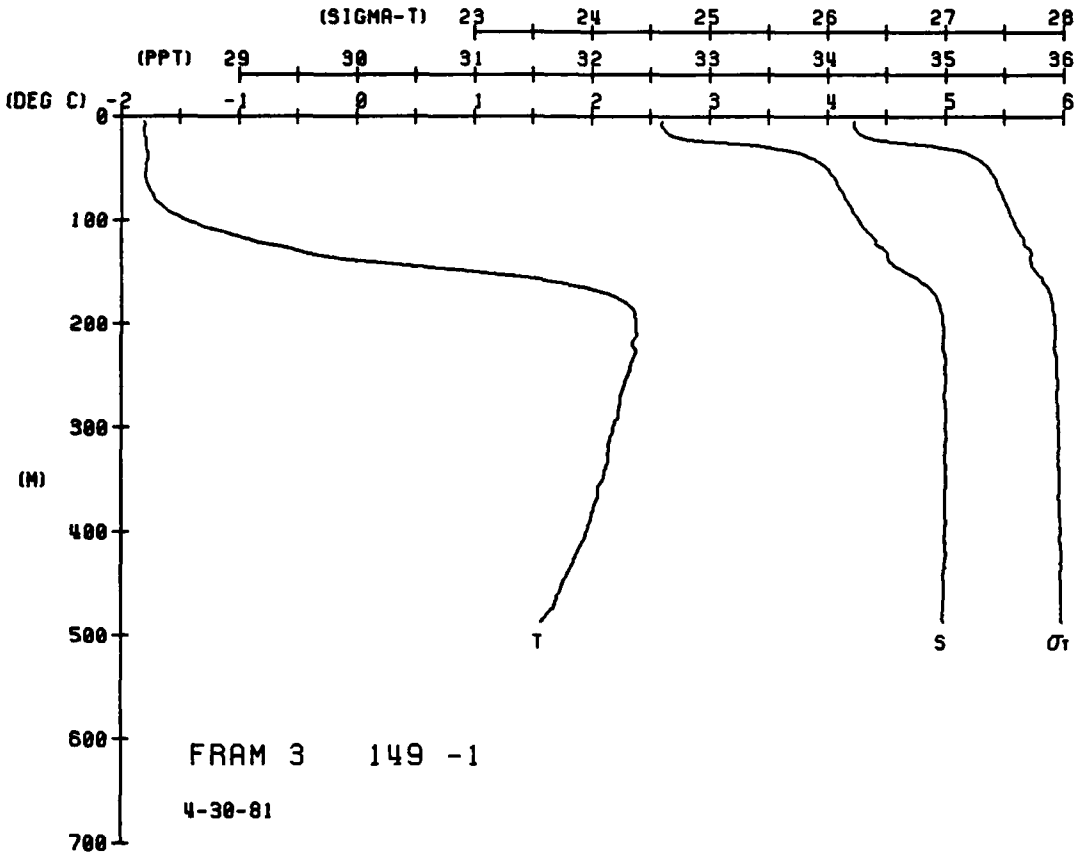
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	33.90	27.29	77.6	0.000	1439.7
4.9	-1.73	-1.73	33.90	27.29	77.5	0.004	1439.8
5.0	-1.73	-1.73	33.90	27.29	77.4	0.004	1439.8
10.0	-1.81	-1.81	34.06	27.42	65.2	0.008	1439.7
15.0	-1.83	-1.83	34.10	27.45	62.2	0.011	1439.8
20.0	-1.84	-1.84	34.12	27.47	60.4	0.014	1439.9
25.0	-1.84	-1.84	34.12	27.47	60.3	0.017	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.1	0.020	1440.0
35.0	-1.83	-1.83	34.13	27.47	59.6	0.023	1440.1
40.0	-1.81	-1.81	34.14	27.48	58.9	0.026	1440.3
45.0	-1.80	-1.80	34.14	27.48	58.6	0.029	1440.5
50.0	-1.73	-1.73	34.16	27.49	57.6	0.032	1440.9
55.0	-1.41	-1.41	34.26	27.57	50.6	0.035	1442.6
60.0	-1.01	-1.01	34.35	27.63	45.2	0.037	1444.7
65.0	-0.84	-0.84	34.37	27.64	44.2	0.039	1445.6
70.0	-0.58	-0.58	34.44	27.69	39.6	0.041	1447.0
75.0	-0.37	-0.37	34.48	27.71	37.8	0.043	1448.1
80.0	-0.30	-0.30	34.50	27.72	36.9	0.045	1448.5
85.0	-0.18	-0.18	34.53	27.74	34.9	0.047	1449.2
90.0	0.02	0.02	34.57	27.76	33.2	0.049	1450.3
95.0	0.17	0.17	34.59	27.77	32.2	0.050	1451.1
100.0	0.27	0.27	34.61	27.77	31.5	0.052	1451.7
110.0	0.55	0.54	34.66	27.80	28.9	0.055	1453.1
120.0	0.81	0.81	34.70	27.82	27.6	0.058	1454.6
130.0	1.08	1.07	34.75	27.84	25.7	0.061	1456.0
140.0	1.33	1.32	34.78	27.85	24.7	0.063	1457.3
150.0	1.65	1.64	34.84	27.87	22.8	0.066	1459.0
160.0	1.90	1.89	34.88	27.88	22.1	0.068	1460.3
170.0	2.01	2.00	34.90	27.89	21.5	0.070	1461.0
180.0	2.08	2.07	34.91	27.89	21.2	0.072	1461.5
190.0	2.10	2.09	34.93	27.90	20.1	0.074	1461.7
200.0	2.12	2.11	34.93	27.91	19.9	0.076	1462.0
210.0	2.18	2.17	34.94	27.91	19.6	0.078	1462.4
220.0	2.26	2.25	34.95	27.91	19.6	0.080	1463.0
230.0	2.24	2.23	34.95	27.91	20.1	0.082	1463.1
240.0	2.06	2.04	34.94	27.92	19.1	0.084	1462.4
250.0	2.00	1.98	34.93	27.92	19.3	0.086	1462.3
260.0	1.98	1.97	34.94	27.92	18.5	0.088	1462.4
270.0	2.02	2.00	34.94	27.93	18.5	0.090	1462.7
280.0	2.04	2.02	34.95	27.93	18.1	0.092	1463.0
290.0	2.10	2.08	34.96	27.93	18.2	0.094	1463.4
300.0	2.09	2.07	34.96	27.93	18.1	0.096	1463.5
310.0	2.06	2.04	34.96	27.93	18.0	0.097	1463.6
320.0	2.04	2.02	34.96	27.94	17.7	0.099	1463.7
330.0	2.01	1.99	34.96	27.94	17.6	0.101	1463.7
340.0	1.99	1.97	34.96	27.94	17.7	0.103	1463.8
350.0	1.97	1.95	34.96	27.94	17.4	0.105	1463.9
360.0	1.93	1.91	34.96	27.94	17.2	0.106	1463.9
370.0	1.95	1.93	34.96	27.95	17.0	0.108	1464.1
380.0	1.92	1.90	34.96	27.94	17.2	0.110	1464.1
390.0	1.88	1.86	34.95	27.94	17.2	0.112	1464.1
400.0	1.87	1.85	34.96	27.95	16.9	0.113	1464.3
410.0	1.81	1.78	34.96	27.95	16.6	0.115	1464.1
420.0	1.77	1.74	34.95	27.95	16.5	0.117	1464.1
430.0	1.70	1.68	34.95	27.95	16.5	0.118	1464.0
440.0	1.63	1.61	34.95	27.96	15.9	0.120	1463.9
450.0	1.61	1.58	34.95	27.96	15.7	0.122	1463.9
460.0	1.53	1.51	34.94	27.96	15.5	0.123	1463.7
470.0	1.50	1.48	34.94	27.96	15.5	0.125	1463.8
480.0	1.48	1.45	34.94	27.96	15.4	0.126	1463.8
490.0	1.43	1.40	34.93	27.96	15.4	0.128	1463.8
500.0	1.38	1.36	34.93	27.96	15.5	0.129	1463.7
530.0	1.19	1.16	34.92	27.97	14.6	0.134	1463.3
560.0	0.94	0.91	34.91	27.98	13.6	0.138	1462.7
590.0	0.77	0.75	34.91	27.99	12.5	0.142	1462.5
620.0	0.61	0.58	34.90	27.99	11.7	0.146	1462.2
650.0	0.38	0.35	34.90	28.00	10.3	0.149	1461.7
680.0	0.23	0.20	34.90	28.01	9.5	0.152	1461.5
710.0	-0.05	-0.08	34.89	28.02	7.6	0.155	1460.7
740.0	-0.25	-0.28	34.90	28.03	6.2	0.157	1460.3
790.0	-0.68	-0.71	34.90	28.06	2.9	0.159	1459.2
801.8	-0.68	-0.71	34.89	28.05	3.9	0.160	1459.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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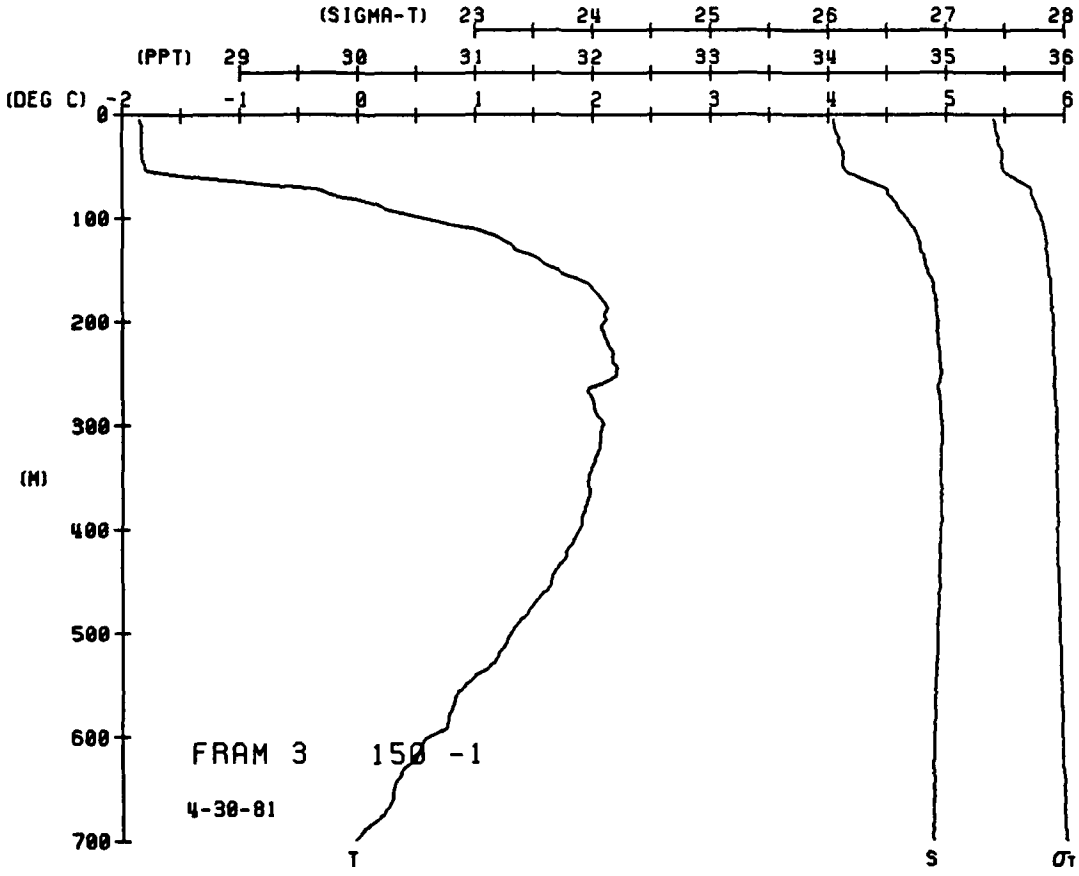
FRAM 3 STATION 149(1) CTD 30/APR/1981 1548 GMT CODE = 5
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AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

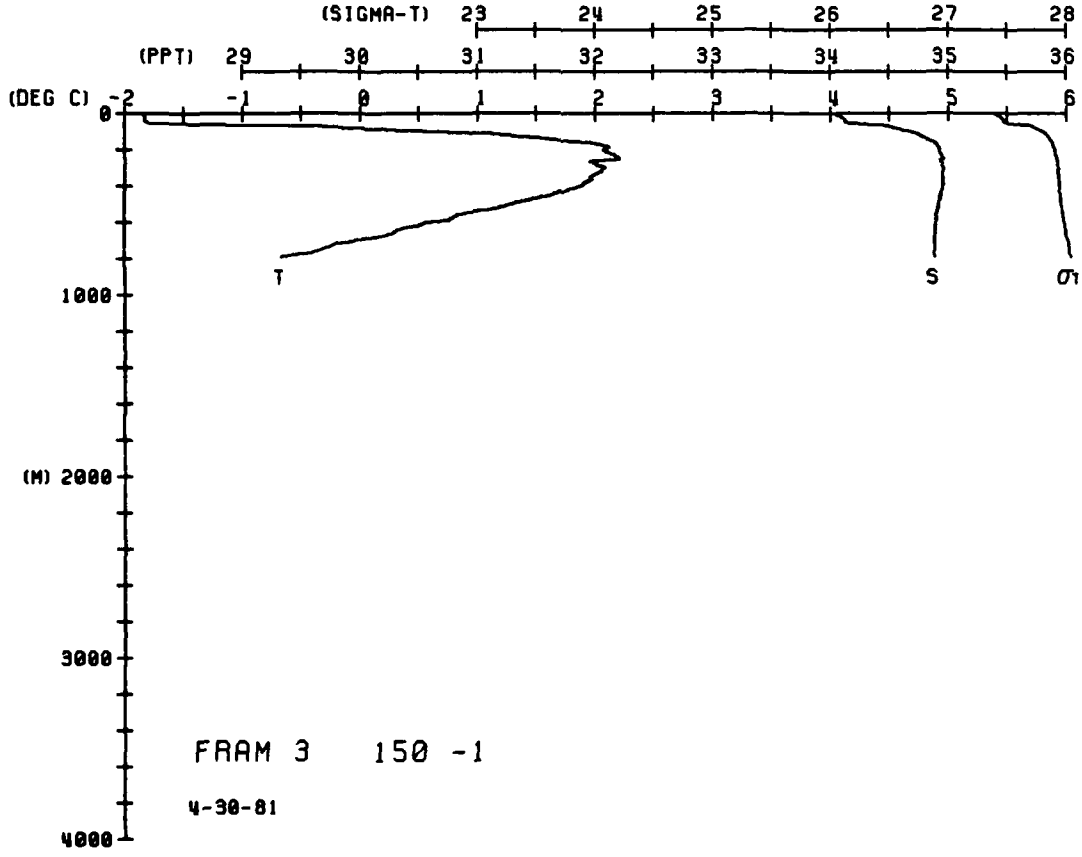
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.80	-1.80	32.60	26.23	177.8	0.000	1437.5
4.0	-1.80	-1.80	32.60	26.23	177.8	0.007	1437.6
5.0	-1.80	-1.80	32.60	26.23	178.0	0.009	1437.6
10.0	-1.80	-1.80	32.60	26.23	177.5	0.018	1437.7
15.0	-1.80	-1.81	32.64	26.26	174.7	0.027	1437.8
20.0	-1.79	-1.79	32.70	26.31	169.7	0.036	1438.0
25.0	-1.78	-1.79	33.03	26.57	144.9	0.044	1438.6
30.0	-1.79	-1.79	33.50	26.96	108.5	0.050	1439.4
35.0	-1.77	-1.78	33.74	27.16	89.4	0.055	1439.9
40.0	-1.77	-1.78	33.86	27.25	80.5	0.059	1440.1
45.0	-1.79	-1.79	33.95	27.32	73.9	0.063	1440.2
50.0	-1.79	-1.79	34.00	27.37	69.7	0.067	1440.4
55.0	-1.79	-1.80	34.03	27.40	66.9	0.070	1440.5
60.0	-1.79	-1.79	34.07	27.43	64.0	0.074	1440.7
65.0	-1.78	-1.78	34.08	27.44	63.1	0.077	1440.8
70.0	-1.76	-1.76	34.11	27.46	60.8	0.080	1441.0
75.0	-1.73	-1.73	34.14	27.48	59.0	0.083	1441.3
80.0	-1.72	-1.72	34.16	27.50	57.3	0.086	1441.5
85.0	-1.66	-1.66	34.19	27.52	55.1	0.089	1441.9
90.0	-1.61	-1.61	34.21	27.54	53.4	0.091	1442.2
95.0	-1.54	-1.54	34.24	27.55	51.9	0.094	1442.7
100.	-1.45	-1.45	34.27	27.58	49.7	0.097	1443.2
110.0	-1.18	-1.19	34.34	27.62	45.4	0.101	1444.7
120.0	-0.89	-0.89	34.41	27.67	40.7	0.106	1446.4
130.0	-0.49	-0.49	34.51	27.73	35.2	0.110	1448.5
140.0	0.08	0.07	34.54	27.73	35.6	0.113	1451.3
150.0	1.02	1.02	34.67	27.78	31.6	0.117	1456.0
160.0	1.72	1.71	34.81	27.84	25.8	0.120	1459.4
170.0	2.11	2.10	34.91	27.89	21.4	0.122	1461.4
180.0	2.30	2.28	34.95	27.91	19.8	0.124	1462.5
190.0	2.37	2.35	34.97	27.92	18.7	0.126	1463.0
200.0	2.38	2.36	34.98	27.93	18.1	0.128	1463.2
210.0	2.38	2.37	34.99	27.93	17.8	0.130	1463.4
220.0	2.36	2.34	34.99	27.93	17.8	0.131	1463.4
230.0	2.37	2.35	35.00	27.94	16.7	0.133	1463.7
240.0	2.34	2.32	35.00	27.95	16.6	0.135	1463.7
250.0	2.31	2.29	35.01	27.95	16.1	0.137	1463.7
260.0	2.28	2.26	35.01	27.95	16.0	0.138	1463.8
270.0	2.24	2.23	35.00	27.95	16.5	0.140	1463.8
280.0	2.23	2.22	35.01	27.96	15.8	0.141	1463.9
290.0	2.22	2.21	35.01	27.96	15.5	0.143	1464.1
300.0	2.18	2.17	35.01	27.96	15.5	0.145	1464.0
310.0	2.16	2.14	35.01	27.97	15.0	0.146	1464.1
320.0	2.14	2.12	35.00	27.96	15.3	0.148	1464.2
330.0	2.14	2.13	35.00	27.96	15.4	0.149	1464.4
340.0	2.12	2.10	35.01	27.97	14.8	0.151	1464.4
350.0	2.09	2.07	35.01	27.97	14.8	0.152	1464.5
360.0	2.06	2.03	35.00	27.97	14.8	0.154	1464.5
370.0	2.04	2.02	35.00	27.97	14.7	0.155	1464.6
380.0	2.01	1.99	35.00	27.97	14.5	0.157	1464.6
390.0	1.99	1.97	35.01	27.98	14.1	0.158	1464.7
400.0	1.96	1.93	35.01	27.98	14.0	0.160	1464.7
410.0	1.92	1.90	35.00	27.98	14.2	0.161	1464.7
420.0	1.88	1.85	35.01	27.99	13.3	0.162	1464.7
430.0	1.84	1.82	35.00	27.98	13.7	0.164	1464.7
440.0	1.80	1.78	34.99	27.98	14.0	0.165	1464.7
450.0	1.75	1.73	35.00	27.99	13.3	0.167	1464.6
460.0	1.72	1.69	35.00	27.99	12.9	0.168	1464.6
470.0	1.69	1.67	34.99	27.98	13.6	0.169	1464.7
480.0	1.62	1.59	34.98	27.99	13.2	0.171	1464.5
487.2	1.57	1.54	34.99	28.00	12.5	0.171	1464.4


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
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FRAM 3 149 -1
4-30-81

FRAM 3 STATION 150(1) CTD 30/APR/1981 1636 GMT CODE = 5
LAT = 81.8577N LNG = 5.3428E LIER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

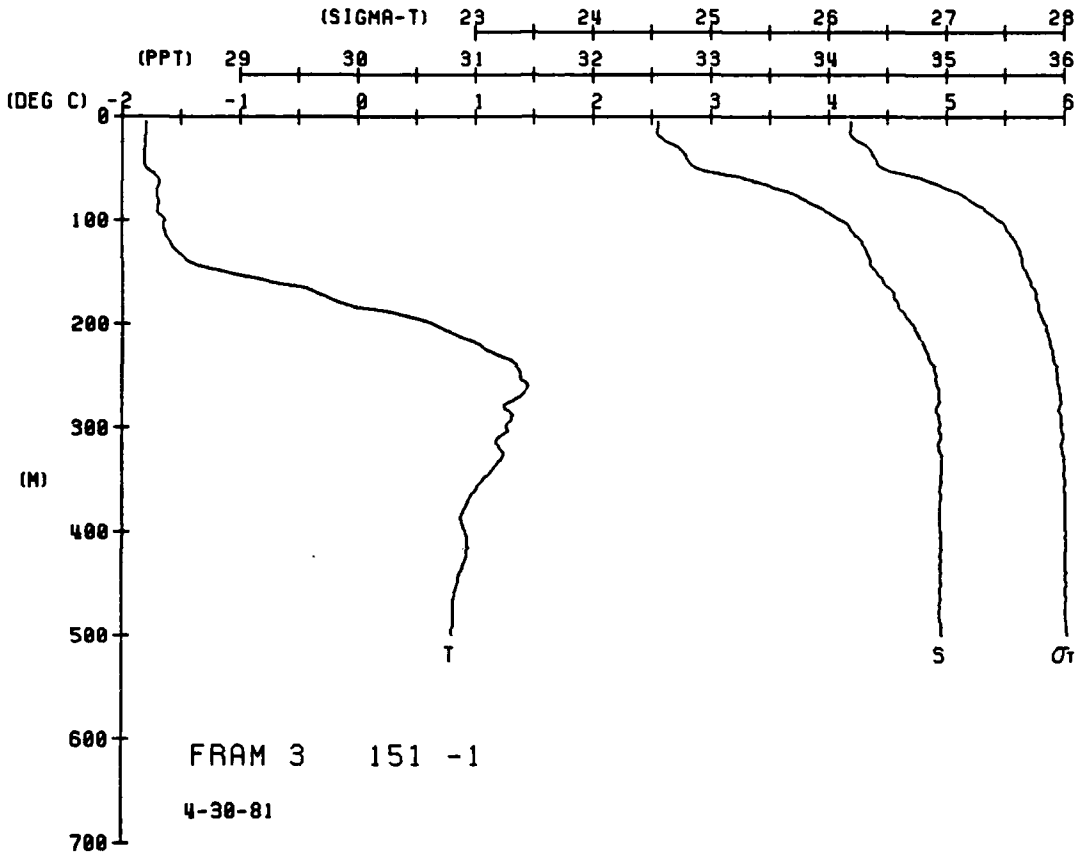
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND	DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.05	27.41	65.9	0.000	1439.3	710.0	-0.11	-0.14	34.89	28.02	7.6	0.153	1460.4
4.0	-1.86	-1.86	34.05	27.41	65.9	0.003	1439.4	740.0	-0.27	-0.30	34.89	28.03	6.2	0.155	1460.2
5.0	-1.85	-1.85	34.05	27.41	66.2	0.003	1439.4	790.0	-0.66	-0.69	34.89	28.05	3.6	0.158	1459.3
10.0	-1.83	-1.83	34.06	27.42	65.4	0.007	1439.6	797.8	-0.66	-0.69	34.91	28.07	2.1	0.158	1459.4
15.0	-1.83	-1.83	34.07	27.42	64.6	0.010	1439.7								
20.0	-1.83	-1.83	34.09	27.44	62.7	0.013	1439.9								
25.0	-1.83	-1.83	34.10	27.45	62.2	0.016	1440.0								
30.0	-1.83	-1.83	34.11	27.46	60.9	0.019	1440.0								
35.0	-1.84	-1.84	34.13	27.47	59.6	0.022	1440.1								
40.0	-1.83	-1.83	34.13	27.48	59.4	0.025	1440.2								
45.0	-1.81	-1.81	34.13	27.47	59.9	0.028	1440.4								
50.0	-1.80	-1.81	34.14	27.48	59.2	0.032	1440.5								
55.0	-1.76	-1.76	34.16	27.50	57.4	0.034	1440.8								
60.0	-1.41	-1.41	34.26	27.56	51.0	0.037	1442.7								
65.0	-1.02	-1.02	34.35	27.63	44.9	0.040	1444.8								
70.0	-0.51	-0.52	34.48	27.71	37.3	0.042	1447.4								
75.0	-0.27	-0.28	34.51	27.73	36.0	0.044	1448.6								
80.0	-0.12	-0.12	34.54	27.74	34.4	0.045	1449.5								
85.0	0.12	0.12	34.58	27.76	32.9	0.047	1450.7								
90.0	0.23	0.23	34.60	27.77	32.0	0.049	1451.3								
95.0	0.38	0.37	34.63	27.79	30.2	0.050	1452.1								
100.0	0.58	0.58	34.67	27.80	28.7	0.052	1453.1								
110.0	0.98	0.98	34.73	27.83	26.5	0.055	1455.2								
120.0	1.22	1.21	34.76	27.84	25.4	0.057	1456.5								
130.0	1.34	1.34	34.78	27.85	24.8	0.060	1457.2								
140.0	1.56	1.55	34.82	27.86	23.5	0.062	1458.4								
150.0	1.72	1.71	34.85	27.87	22.9	0.064	1459.3								
160.0	1.93	1.92	34.89	27.89	21.6	0.067	1460.4								
170.0	2.02	2.02	34.90	27.89	21.4	0.069	1461.0								
180.0	2.10	2.09	34.91	27.89	21.0	0.071	1461.6								
190.0	2.10	2.09	34.92	27.90	20.8	0.073	1461.8								
200.0	2.09	2.08	34.93	27.91	20.1	0.075	1461.9								
210.0	2.10	2.09	34.93	27.91	20.0	0.077	1462.1								
220.0	2.13	2.12	34.94	27.91	19.8	0.079	1462.4								
230.0	2.18	2.16	34.95	27.91	19.4	0.081	1462.8								
240.0	2.19	2.17	34.95	27.92	19.0	0.083	1463.0								
250.0	2.20	2.19	34.96	27.92	18.7	0.085	1463.2								
260.0	2.06	2.05	34.94	27.91	19.5	0.087	1462.7								
270.0	1.99	1.97	34.94	27.93	18.2	0.089	1462.6								
280.0	2.01	1.99	34.95	27.93	18.2	0.091	1462.9								
290.0	2.04	2.03	34.95	27.93	18.1	0.093	1463.2								
300.0	2.08	2.06	34.96	27.93	17.8	0.094	1463.5								
310.0	2.07	2.05	34.96	27.94	17.8	0.096	1463.6								
320.0	2.06	2.04	34.96	27.94	17.8	0.098	1463.8								
330.0	2.02	2.00	34.96	27.94	17.6	0.100	1463.8								
340.0	2.00	1.98	34.96	27.94	17.8	0.102	1463.8								
350.0	1.97	1.95	34.96	27.94	17.4	0.103	1463.9								
360.0	1.98	1.95	34.96	27.94	17.3	0.105	1464.1								
370.0	1.96	1.94	34.96	27.94	17.1	0.107	1464.2								
380.0	1.93	1.91	34.96	27.95	17.1	0.109	1464.2								
390.0	1.90	1.88	34.96	27.95	16.9	0.110	1464.3								
400.0	1.89	1.86	34.96	27.95	17.1	0.112	1464.3								
410.0	1.84	1.82	34.95	27.95	16.9	0.114	1464.3								
420.0	1.78	1.76	34.95	27.95	16.7	0.115	1464.2								
430.0	1.75	1.73	34.95	27.95	16.6	0.117	1464.2								
440.0	1.68	1.66	34.95	27.95	16.2	0.119	1464.1								
450.0	1.65	1.63	34.95	27.96	16.0	0.120	1464.1								
460.0	1.59	1.56	34.94	27.95	16.2	0.122	1464.0								
470.0	1.51	1.48	34.94	27.96	15.7	0.124	1463.8								
480.0	1.45	1.42	34.93	27.96	15.4	0.125	1463.7								
490.0	1.36	1.33	34.93	27.96	15.4	0.127	1463.5								
500.0	1.30	1.27	34.92	27.96	15.1	0.128	1463.4								
530.0	1.14	1.11	34.92	27.97	14.4	0.133	1463.1								
560.0	0.93	0.80	34.91	27.98	13.0	0.137	1462.2								
590.0	0.76	0.73	34.91	27.99	12.4	0.141	1462.4								
620.0	0.50	0.47	34.90	28.00	10.9	0.144	1461.7								
650.0	0.30	0.27	34.90	28.01	9.6	0.148	1461.3								
680.0	0.16	0.13	34.89	28.01	9.1	0.150	1461.2								


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(SIGMA-T) 23 24 25 26 27 28
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FRAM 3 150 -1
4-30-81

FRAM 3 STATION 151(1) CTD 30/APR/1981 1652 GMT CODE = 5
LAT = 82.6600N LNG = 0.1117E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.79	-1.79	32.55	26.19	181.7	0.000	1437.5
4.0	-1.79	-1.80	32.55	26.19	181.6	0.007	1437.6
5.0	-1.79	-1.80	32.55	26.19	181.7	0.009	1437.6
10.0	-1.79	-1.80	32.55	26.19	181.6	0.018	1437.7
15.0	-1.79	-1.80	32.54	26.18	182.1	0.028	1437.7
20.0	-1.80	-1.80	32.58	26.21	179.6	0.037	1437.8
25.0	-1.80	-1.80	32.64	26.26	174.7	0.046	1438.0
30.0	-1.81	-1.81	32.73	26.34	167.5	0.054	1438.2
35.0	-1.81	-1.81	32.77	26.37	164.5	0.063	1438.3
40.0	-1.81	-1.81	32.80	26.39	162.0	0.071	1438.4
45.0	-1.81	-1.81	32.83	26.41	159.9	0.079	1438.6
50.0	-1.79	-1.79	32.88	26.46	155.7	0.087	1438.8
55.0	-1.73	-1.73	33.08	26.62	140.8	0.095	1439.5
60.0	-1.69	-1.69	33.30	26.80	123.4	0.101	1440.0
65.0	-1.68	-1.68	33.45	26.92	112.1	0.107	1440.4
70.0	-1.70	-1.70	33.59	27.03	101.6	0.113	1440.6
75.0	-1.70	-1.70	33.71	27.13	91.7	0.117	1440.8
80.0	-1.69	-1.69	33.79	27.20	85.5	0.122	1441.1
85.0	-1.69	-1.70	33.88	27.27	78.5	0.126	1441.3
90.0	-1.70	-1.70	33.97	27.34	72.0	0.130	1441.5
95.0	-1.68	-1.68	34.04	27.39	66.8	0.133	1441.7
100.0	-1.64	-1.64	34.12	27.46	60.8	0.137	1442.1
110.0	-1.63	-1.64	34.20	27.53	54.2	0.142	1442.4
120.0	-1.59	-1.59	34.28	27.59	48.2	0.148	1442.9
130.0	-1.52	-1.52	34.32	27.62	45.1	0.152	1443.4
140.0	-1.43	-1.43	34.35	27.64	43.3	0.157	1444.1
150.0	-1.11	-1.12	34.41	27.68	39.9	0.161	1445.8
160.0	-0.71	-0.71	34.47	27.71	36.6	0.165	1448.0
170.0	-0.35	-0.36	34.56	27.77	32.0	0.168	1449.9
180.0	-0.14	-0.15	34.59	27.78	30.5	0.172	1451.1
190.0	0.33	0.33	34.65	27.80	28.8	0.175	1453.5
200.0	0.64	0.64	34.72	27.84	25.3	0.177	1455.1
210.0	0.83	0.82	34.76	27.86	23.3	0.180	1456.2
220.0	1.05	1.04	34.81	27.89	21.3	0.182	1457.4
230.0	1.21	1.19	34.84	27.91	19.6	0.184	1458.3
240.0	1.36	1.34	34.90	27.94	16.7	0.186	1459.2
250.0	1.39	1.38	34.92	27.95	15.5	0.187	1459.6
260.0	1.46	1.44	34.94	27.96	14.6	0.189	1460.1
270.0	1.38	1.37	34.94	27.97	13.7	0.190	1459.9
280.0	1.25	1.24	34.92	27.96	14.6	0.192	1459.5
290.0	1.31	1.30	34.94	27.98	13.1	0.193	1460.0
300.0	1.28	1.26	34.94	27.98	13.1	0.195	1460.0
310.0	1.19	1.17	34.95	27.99	11.6	0.196	1459.7
320.0	1.22	1.21	34.94	27.99	12.5	0.197	1460.0
330.0	1.23	1.21	34.97	28.00	10.8	0.198	1460.3
340.0	1.15	1.13	34.96	28.01	10.6	0.199	1460.1
350.0	1.06	1.05	34.96	28.01	10.0	0.200	1459.9
360.0	1.00	0.98	34.95	28.01	10.5	0.201	1459.7
370.0	0.94	0.93	34.95	28.01	9.9	0.202	1459.6
380.0	0.90	0.88	34.95	28.01	9.9	0.203	1459.6
390.0	0.89	0.87	34.95	28.01	10.1	0.204	1459.7
400.0	0.92	0.90	34.96	28.01	9.6	0.205	1460.0
410.0	0.93	0.91	34.96	28.02	9.4	0.206	1460.3
420.0	0.94	0.91	34.96	28.02	9.5	0.207	1460.4
430.0	0.91	0.89	34.96	28.02	9.3	0.208	1460.5
440.0	0.87	0.85	34.96	28.02	8.8	0.209	1460.5
450.0	0.85	0.83	34.96	28.03	8.7	0.210	1460.6
460.0	0.83	0.81	34.96	28.02	8.9	0.211	1460.6
470.0	0.81	0.79	34.95	28.02	9.2	0.212	1460.7
480.0	0.81	0.79	34.95	28.02	9.4	0.213	1460.9
490.0	0.82	0.79	34.97	28.03	8.1	0.214	1461.1
499.0	0.81	0.79	34.97	28.03	8.0	0.215	1461.2

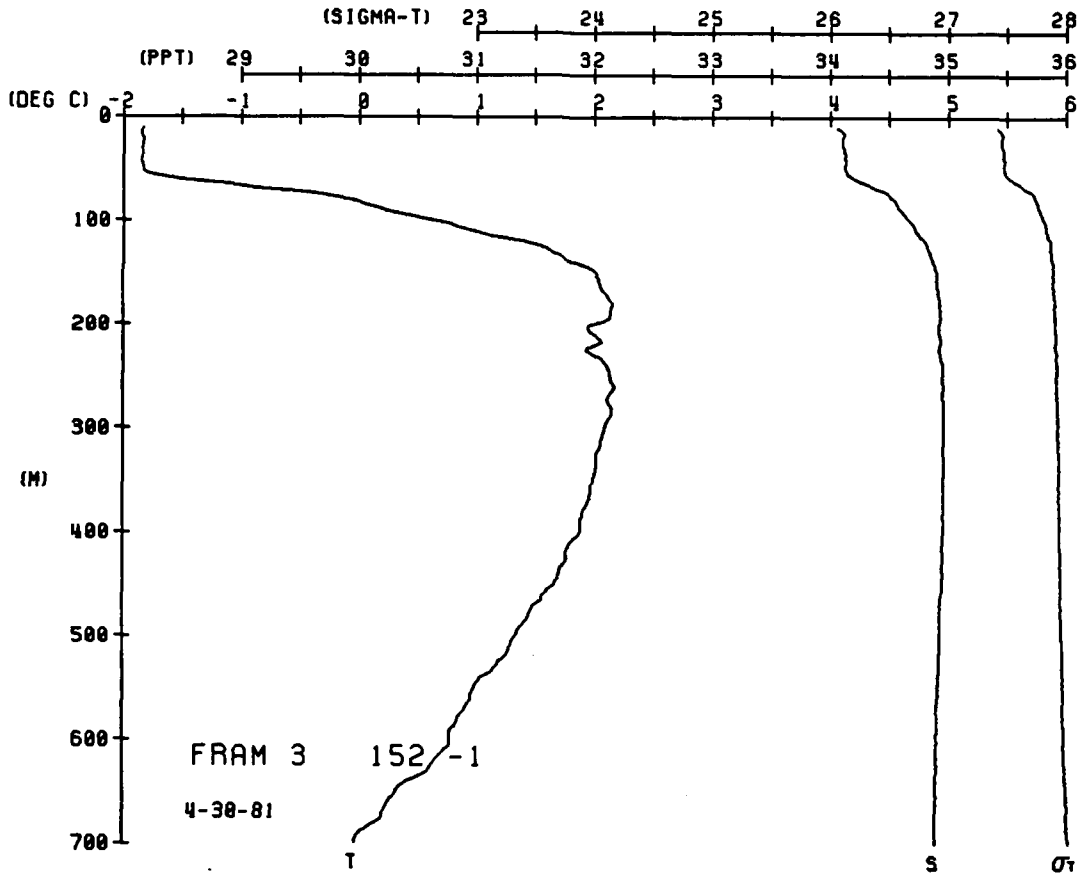


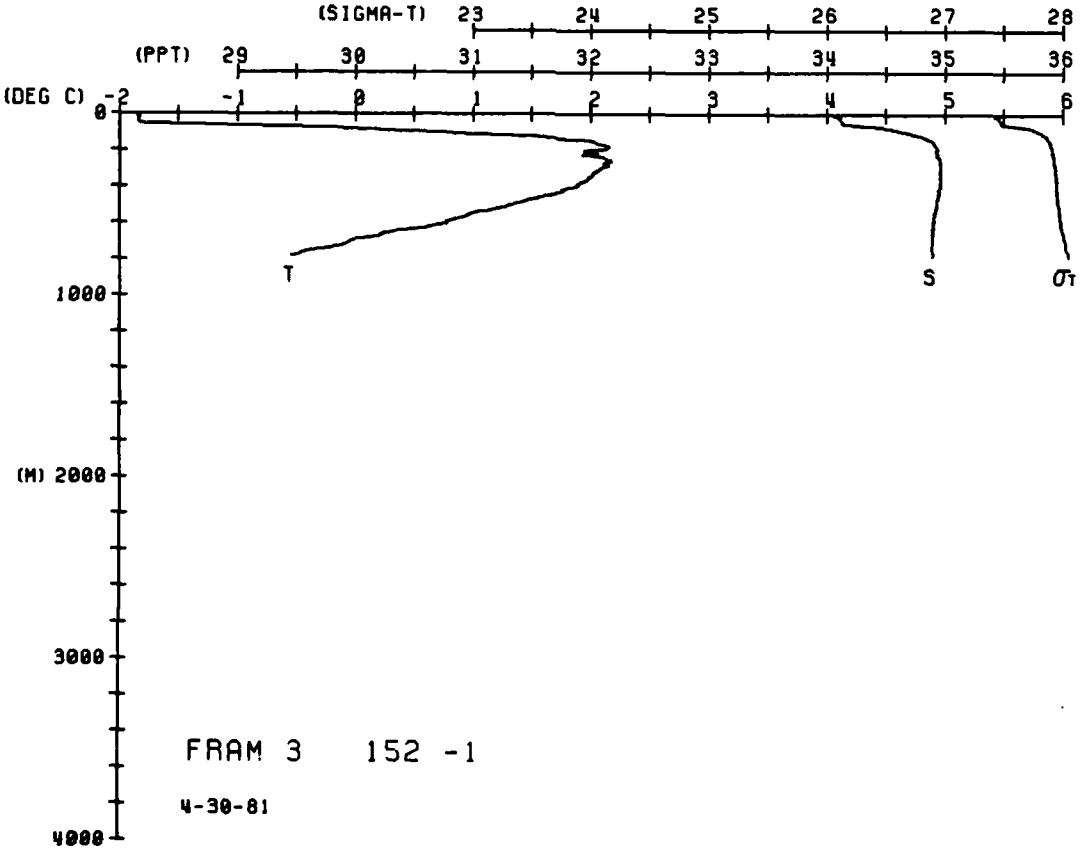
FRAM 3 151 -1

4-30-81

FRAM 3 STATION 152(1) CTD 30/APR/1981 1948 GMT CODE = 5
LAT = 81.8403N LNG = 5.2847E ETER = 30. EGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.83	-1.83	34.06	27.42	64.8	0.000	1439.5
5.0	-1.83	-1.83	34.06	27.42	64.8	0.003	1439.5
10.0	-1.83	-1.83	34.06	27.42	64.8	0.007	1439.6
10.9	-1.83	-1.83	34.06	27.42	64.8	0.007	1439.6
15.0	-1.85	-1.85	34.12	27.46	60.7	0.010	1439.7
20.0	-1.83	-1.83	34.10	27.45	61.7	0.013	1439.9
25.0	-1.84	-1.84	34.10	27.45	61.6	0.016	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.4	0.019	1440.0
35.0	-1.84	-1.84	34.13	27.47	59.9	0.022	1440.1
40.0	-1.84	-1.84	34.14	27.48	59.0	0.025	1440.2
45.0	-1.83	-1.83	34.13	27.47	59.6	0.028	1440.3
50.0	-1.83	-1.83	34.14	27.48	59.1	0.031	1440.4
55.0	-1.77	-1.77	34.16	27.50	57.4	0.034	1440.8
60.0	-1.53	-1.53	34.23	27.55	52.7	0.037	1442.1
65.0	-1.13	-1.13	34.32	27.61	46.6	0.039	1444.2
70.0	-0.72	-0.72	34.43	27.68	40.3	0.042	1446.3
75.0	-0.32	-0.32	34.51	27.72	36.1	0.043	1448.4
80.0	-0.06	-0.07	34.55	27.75	33.8	0.045	1449.7
85.0	0.08	0.08	34.58	27.76	32.6	0.047	1450.5
90.0	0.24	0.24	34.61	27.78	30.8	0.048	1451.3
95.0	0.42	0.41	34.64	27.79	29.6	0.050	1452.3
100.0	0.65	0.65	34.68	27.81	27.8	0.051	1453.5
110.0	0.98	0.98	34.[illegible]	27.83	26.3	0.054	1455.2
120.0	1.40	1.40	34.[illegible]	27.86	23.6	0.057	1457.4
130.0	1.65	1.64	34.[illegible]	27.87	22.9	0.059	1458.6
140.0	1.83	1.82	34.87	27.88	21.6	0.061	1459.6
150.0	2.02	2.01	34.90	27.89	21.1	0.063	1460.7
160.0	2.05	2.05	34.91	27.89	21.0	0.066	1461.0
170.0	2.10	2.09	34.92	27.90	20.2	0.068	1461.4
180.0	2.16	2.15	34.93	27.90	20.2	0.070	1461.8
190.0	2.14	2.13	34.94	27.91	19.6	0.072	1461.9
200.0	1.97	1.96	34.93	27.91	19.2	0.074	1461.4
210.0	2.01	2.00	34.93	27.92	19.1	0.076	1461.7
220.0	2.00	1.99	34.93	27.91	19.7	0.078	1461.8
230.0	2.02	2.00	34.94	27.92	18.6	0.080	1462.1
240.0	2.11	2.10	34.95	27.93	18.4	0.081	1462.7
250.0	2.14	2.13	34.96	27.93	18.3	0.083	1463.0
260.0	2.17	2.16	34.96	27.93	18.5	0.085	1463.3
270.0	2.12	2.10	34.96	27.93	18.3	0.087	1463.2
280.0	2.15	2.13	34.97	27.93	18.0	0.089	1463.5
290.0	2.13	2.11	34.97	27.93	17.9	0.091	1463.6
300.0	2.09	2.07	34.96	27.94	17.7	0.092	1463.6
310.0	2.06	2.04	34.97	27.94	17.5	0.094	1463.6
320.0	2.04	2.02	34.96	27.94	17.7	0.096	1463.7
330.0	2.02	2.00	34.96	27.94	17.4	0.098	1463.8
340.0	2.01	1.99	34.97	27.94	17.1	0.100	1463.9
350.0	1.99	1.97	34.96	27.94	17.2	0.101	1463.9
360.0	1.97	1.95	34.97	27.95	17.0	0.103	1464.0
370.0	1.95	1.93	34.96	27.95	16.9	0.105	1464.1
380.0	1.91	1.89	34.96	27.95	16.7	0.106	1464.1
390.0	1.88	1.86	34.96	27.95	16.6	0.108	1464.2
400.0	1.88	1.86	34.96	27.95	16.7	0.110	1464.3
410.0	1.80	1.77	34.95	27.95	16.6	0.111	1464.1
420.0	1.76	1.74	34.96	27.96	16.1	0.113	1464.1
430.0	1.74	1.72	34.95	27.95	16.4	0.115	1464.2
440.0	1.70	1.68	34.95	27.96	15.9	0.116	1464.2
450.0	1.66	1.63	34.95	27.96	15.9	0.118	1464.1
460.0	1.57	1.54	34.95	27.96	15.4	0.120	1463.9
470.0	1.50	1.47	34.94	27.96	15.7	0.121	1463.8
480.0	1.45	1.43	34.93	27.96	15.7	0.123	1463.7
490.0	1.39	1.36	34.93	27.96	15.2	0.124	1463.6
500.0	1.33	1.31	34.93	27.97	14.8	0.126	1463.5
530.0	1.16	1.13	34.92	27.97	14.1	0.130	1463.2
560.0	0.95	0.93	34.91	27.98	13.5	0.134	1462.8
590.0	0.79	0.76	34.91	27.99	12.5	0.138	1462.5
620.0	0.65	0.62	34.90	27.99	12.0	0.142	1462.4
650.0	0.31	0.29	34.90	28.01	10.0	0.145	1461.4
680.0	0.14	0.11	34.90	28.01	8.8	0.148	1461.1
710.0	-0.06	-0.10	34.90	28.03	7.4	0.151	1460.7
740.0	-0.21	-0.24	34.89	28.03	6.7	0.153	1460.5
785.0	-0.56	-0.60	34.90	28.05	4.0	0.155	1459.6


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 152 -1
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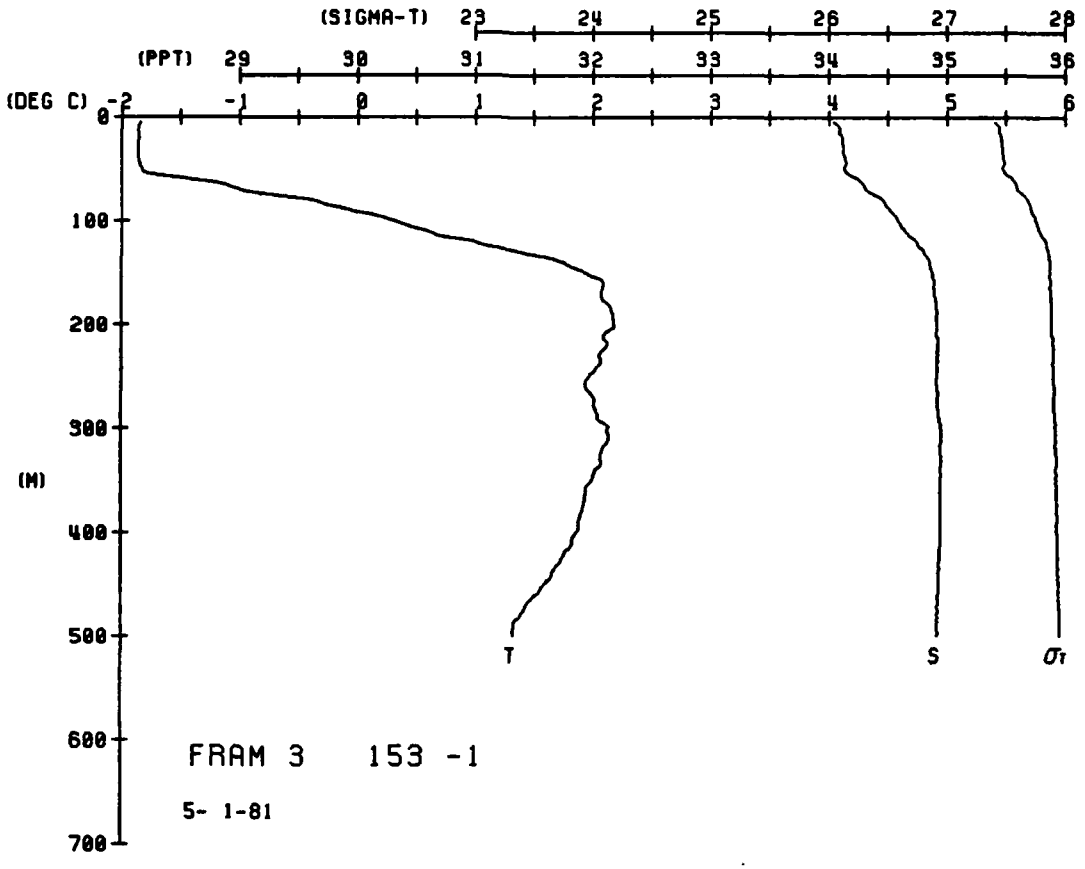

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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FRAM 3 152 -1
4-30-81

FRAM 3 STATION 153(1) CTD 1/MAY/1981 1025 GMT CODE = 5
LAT = 81.8205N LNG = 5.1882E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.03	27.39	67.8	0.000	1439.4
4.0	-1.84	-1.84	34.03	27.39	67.8	0.003	1439.4
5.0	-1.85	-1.85	34.04	27.40	66.4	0.003	1439.4
10.0	-1.86	-1.86	34.09	27.45	62.5	0.007	1439.6
15.0	-1.85	-1.85	34.09	27.44	62.7	0.010	1439.7
20.0	-1.85	-1.85	34.12	27.47	60.2	0.013	1439.8
25.0	-1.86	-1.86	34.12	27.47	60.2	0.016	1439.8
30.0	-1.86	-1.86	34.13	27.47	59.7	0.019	1439.9
35.0	-1.86	-1.86	34.13	27.48	59.4	0.022	1440.0
40.0	-1.85	-1.85	34.15	27.49	58.2	0.025	1440.1
45.0	-1.84	-1.84	34.15	27.49	58.3	0.028	1440.3
50.0	-1.83	-1.83	34.14	27.48	58.8	0.031	1440.4
55.0	-1.75	-1.75	34.18	27.51	56.0	0.034	1440.9
60.0	-1.41	-1.41	34.26	27.57	50.8	0.037	1442.7
65.0	-1.13	-1.14	34.30	27.59	48.5	0.039	1444.2
70.0	-0.99	-0.99	34.33	27.61	46.9	0.041	1444.9
75.0	-0.74	-0.74	34.40	27.66	42.2	0.044	1446.3
80.0	-0.38	-0.39	34.46	27.69	39.0	0.046	1448.1
85.0	-0.23	-0.24	34.49	27.71	37.4	0.048	1448.9
90.0	-0.04	-0.04	34.53	27.73	35.8	0.050	1450.0
95.0	0.17	0.16	34.57	27.75	33.9	0.051	1451.0
100.0	0.32	0.32	34.60	27.76	32.5	0.053	1451.9
110.0	0.60	0.59	34.66	27.80	29.4	0.056	1453.4
120.0	0.99	0.99	34.75	27.84	25.0	0.059	1455.4
130.0	1.40	1.39	34.81	27.86	23.3	0.061	1457.5
140.0	1.76	1.75	34.86	27.88	22.4	0.064	1459.3
150.0	1.95	1.94	34.88	27.88	22.1	0.066	1460.4
160.0	2.10	2.09	34.90	27.88	21.9	0.068	1461.2
170.0	2.08	2.07	34.90	27.89	21.6	0.070	1461.3
180.0	2.14	2.13	34.92	27.89	21.1	0.072	1461.7
190.0	2.17	2.16	34.93	27.90	20.8	0.075	1462.1
200.0	2.19	2.17	34.93	27.90	20.6	0.077	1462.3
210.0	2.10	2.09	34.92	27.90	20.5	0.079	1462.1
220.0	2.12	2.11	34.93	27.91	20.1	0.081	1462.3
230.0	2.06	2.05	34.93	27.91	19.7	0.083	1462.2
240.0	2.05	2.03	34.93	27.91	19.9	0.085	1462.3
250.0	1.97	1.95	34.92	27.91	19.7	0.087	1462.1
260.0	1.95	1.94	34.92	27.91	19.4	0.089	1462.2
270.0	2.02	2.00	34.94	27.92	19.1	0.091	1462.7
280.0	2.03	2.01	34.94	27.92	19.2	0.093	1462.9
290.0	2.05	2.04	34.95	27.93	18.6	0.095	1463.2
300.0	2.13	2.12	34.96	27.93	18.3	0.096	1463.8
310.0	2.14	2.12	34.96	27.93	18.2	0.098	1464.0
320.0	2.09	2.07	34.96	27.93	18.2	0.100	1463.9
330.0	2.08	2.06	34.96	27.94	17.8	0.102	1464.0
340.0	2.03	2.01	34.96	27.94	17.9	0.104	1464.0
350.0	1.99	1.97	34.96	27.94	17.8	0.106	1464.0
360.0	1.95	1.93	34.96	27.94	17.5	0.107	1463.9
370.0	1.94	1.92	34.95	27.94	17.5	0.109	1464.1
380.0	1.91	1.89	34.96	27.94	17.3	0.111	1464.1
390.0	1.89	1.87	34.96	27.95	17.1	0.113	1464.2
400.0	1.86	1.84	34.95	27.95	17.2	0.114	1464.2
410.0	1.83	1.81	34.96	27.95	16.7	0.116	1464.3
420.0	1.77	1.74	34.95	27.95	16.5	0.118	1464.1
430.0	1.71	1.69	34.95	27.95	16.6	0.119	1464.1
440.0	1.66	1.63	34.94	27.95	16.5	0.121	1464.0
450.0	1.59	1.57	34.94	27.95	16.3	0.123	1463.8
460.0	1.53	1.50	34.94	27.96	15.9	0.124	1463.7
470.0	1.44	1.42	34.93	27.96	15.6	0.126	1463.5
480.0	1.39	1.36	34.93	27.96	15.2	0.128	1463.4
490.0	1.34	1.31	34.93	27.96	15.2	0.129	1463.3
500.0	1.33	1.30	34.93	27.97	15.0	0.131	1463.5
500.0	1.33	1.30	34.93	27.97	15.0	0.131	1463.5

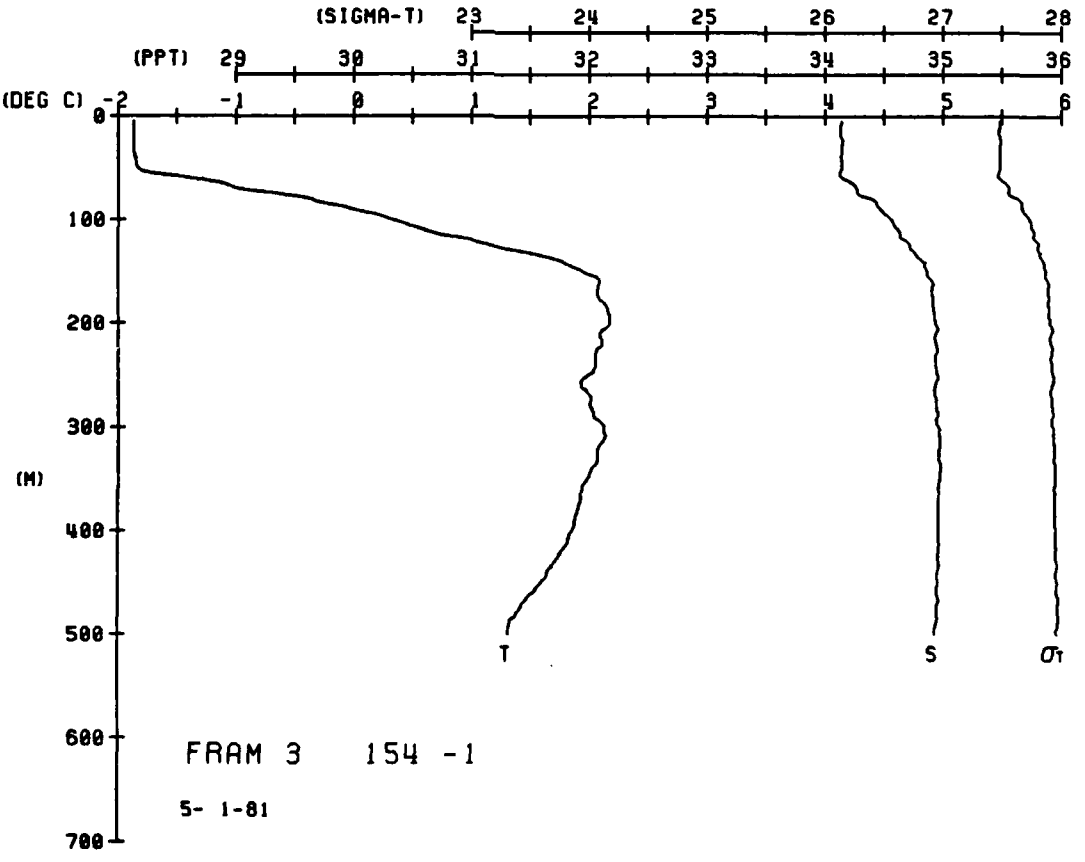
FRAM 3 STATION 154(1) CTD 1/MAY/1981 1028 GMT CODE = 5
LAT = 81.8205N LNG = 5.1882E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.87	-1.87	34.14	27.49	58.7	0.000	1439.4
4.0	-1.87	-1.87	34.14	27.49	58.7	0.002	1439.5
5.0	-1.87	-1.87	34.14	27.49	58.8	0.003	1439.5
10.0	-1.87	-1.87	34.14	27.48	59.1	0.006	1439.6
15.0	-1.87	-1.87	34.13	27.48	59.3	0.009	1439.6
20.0	-1.87	-1.87	34.14	27.48	58.7	0.012	1439.7
25.0	-1.87	-1.87	34.15	27.49	58.1	0.015	1439.8
30.0	-1.87	-1.87	34.14	27.48	58.7	0.018	1439.9
35.0	-1.87	-1.87	34.14	27.48	58.8	0.021	1440.0
40.0	-1.85	-1.85	34.14	27.48	58.8	0.024	1440.1
45.0	-1.85	-1.85	34.14	27.48	58.8	0.027	1440.2
50.0	-1.83	-1.83	34.14	27.48	58.7	0.030	1440.4
55.0	-1.73	-1.73	34.13	27.47	59.7	0.033	1441.0
60.0	-1.39	-1.39	34.16	27.49	58.5	0.036	1442.7
65.0	-1.13	-1.14	34.24	27.54	53.4	0.039	1444.1
70.0	-0.96	-0.97	34.27	27.56	51.3	0.041	1445.0
75.0	-0.65	-0.66	34.28	27.56	51.8	0.044	1446.5
80.0	-0.37	-0.37	34.40	27.64	43.7	0.046	1448.1
85.0	-0.20	-0.20	34.44	27.67	41.4	0.048	1449.0
90.0	0.00	0.00	34.47	27.68	40.2	0.050	1450.1
95.0	0.19	0.19	34.52	27.71	37.9	0.052	1451.1
100.0	0.33	0.33	34.57	27.74	34.7	0.054	1451.9
110.0	0.61	0.60	34.63	27.77	31.9	0.058	1453.4
120.0	1.01	1.00	34.70	27.80	29.3	0.061	1455.4
130.0	1.43	1.42	34.76	27.82	27.3	0.064	1457.6
140.0	1.77	1.76	34.84	27.86	23.8	0.066	1459.4
150.0	1.95	1.95	34.88	27.88	22.6	0.068	1460.4
160.0	2.09	2.08	34.92	27.90	20.3	0.071	1461.2
170.0	2.08	2.07	34.91	27.89	21.1	0.073	1461.3
180.0	2.13	2.12	34.92	27.90	20.7	0.075	1461.7
190.0	2.17	2.15	34.93	27.90	20.3	0.077	1462.0
200.0	2.17	2.16	34.95	27.91	19.3	0.079	1462.3
210.0	2.10	2.08	34.94	27.92	18.9	0.081	1462.1
220.0	2.11	2.10	34.95	27.92	18.6	0.083	1462.3
230.0	2.06	2.05	34.95	27.92	18.5	0.085	1462.2
240.0	2.06	2.04	34.94	27.92	18.7	0.086	1462.4
250.0	1.99	1.98	34.96	27.94	16.9	0.088	1462.3
260.0	1.93	1.92	34.94	27.93	18.2	0.090	1462.2
270.0	2.02	2.00	34.94	27.92	18.7	0.092	1462.7
280.0	2.02	2.00	34.95	27.93	18.0	0.094	1462.9
290.0	2.05	2.03	34.96	27.94	17.7	0.096	1463.2
300.0	2.13	2.11	34.97	27.94	17.3	0.097	1463.8
310.0	2.13	2.11	34.98	27.94	17.0	0.099	1463.9
320.0	2.08	2.06	34.98	27.95	16.8	0.101	1463.9
330.0	2.07	2.06	34.97	27.95	17.0	0.103	1464.0
340.0	2.02	2.00	34.99	27.96	15.6	0.104	1464.0
350.0	1.98	1.96	34.98	27.96	15.8	0.106	1464.0
360.0	1.94	1.92	34.97	27.95	16.5	0.107	1463.9
370.0	1.93	1.91	34.97	27.96	16.1	0.109	1464.0
380.0	1.90	1.88	34.97	27.96	15.9	0.111	1464.1
390.0	1.88	1.86	34.97	27.96	15.9	0.112	1464.2
400.0	1.86	1.83	34.98	27.96	15.4	0.114	1464.2
410.0	1.83	1.80	34.98	27.97	15.2	0.115	1464.3
420.0	1.76	1.74	34.97	27.97	15.1	0.117	1464.1
430.0	1.70	1.68	34.97	27.97	14.5	0.118	1464.0
440.0	1.65	1.63	34.96	27.97	15.0	0.120	1464.0
450.0	1.59	1.56	34.97	27.98	14.1	0.121	1463.9
460.0	1.52	1.49	34.96	27.98	14.0	0.123	1463.7
470.0	1.43	1.41	34.96	27.99	13.2	0.124	1463.5
480.0	1.38	1.36	34.96	27.98	13.3	0.126	1463.4
490.0	1.33	1.30	34.95	27.98	13.7	0.127	1463.3
500.0	1.32	1.29	34.95	27.98	13.6	0.128	1463.5
500.0	1.32	1.29	34.95	27.98	13.6	0.128	1463.5



FRAM 3 153 -1

5- 1-81

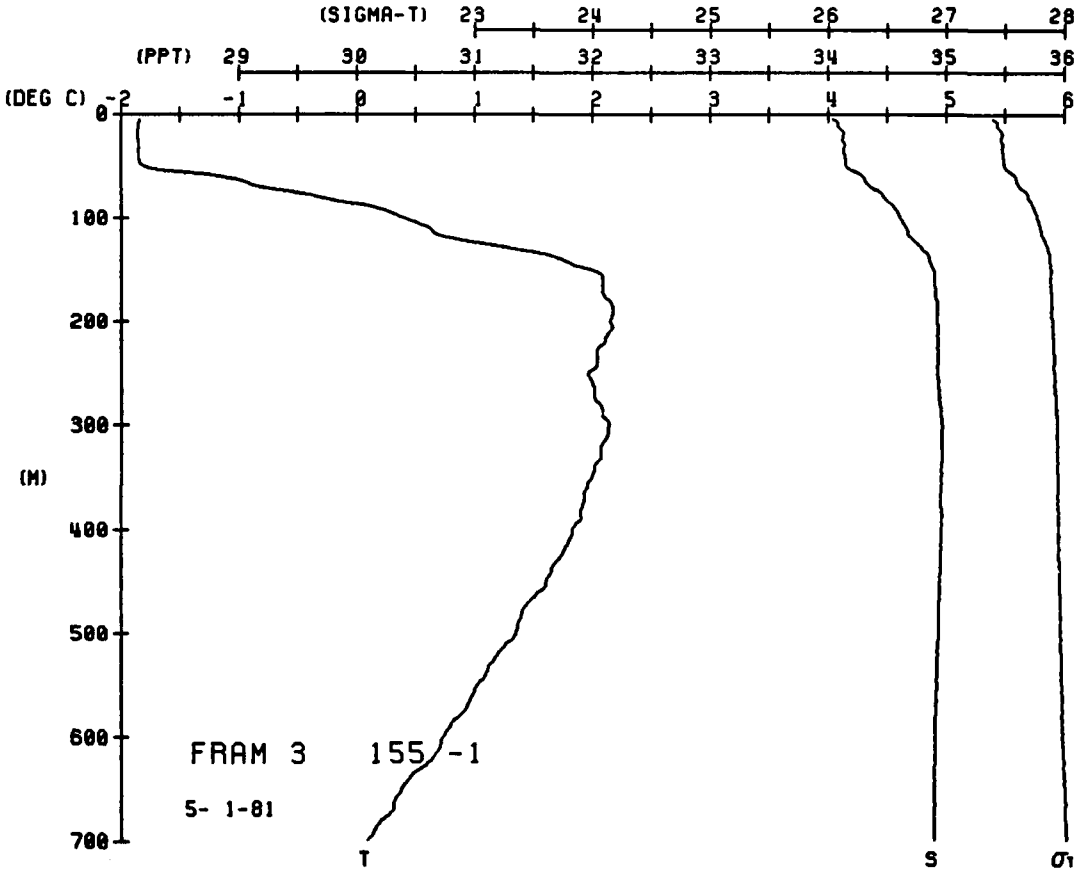


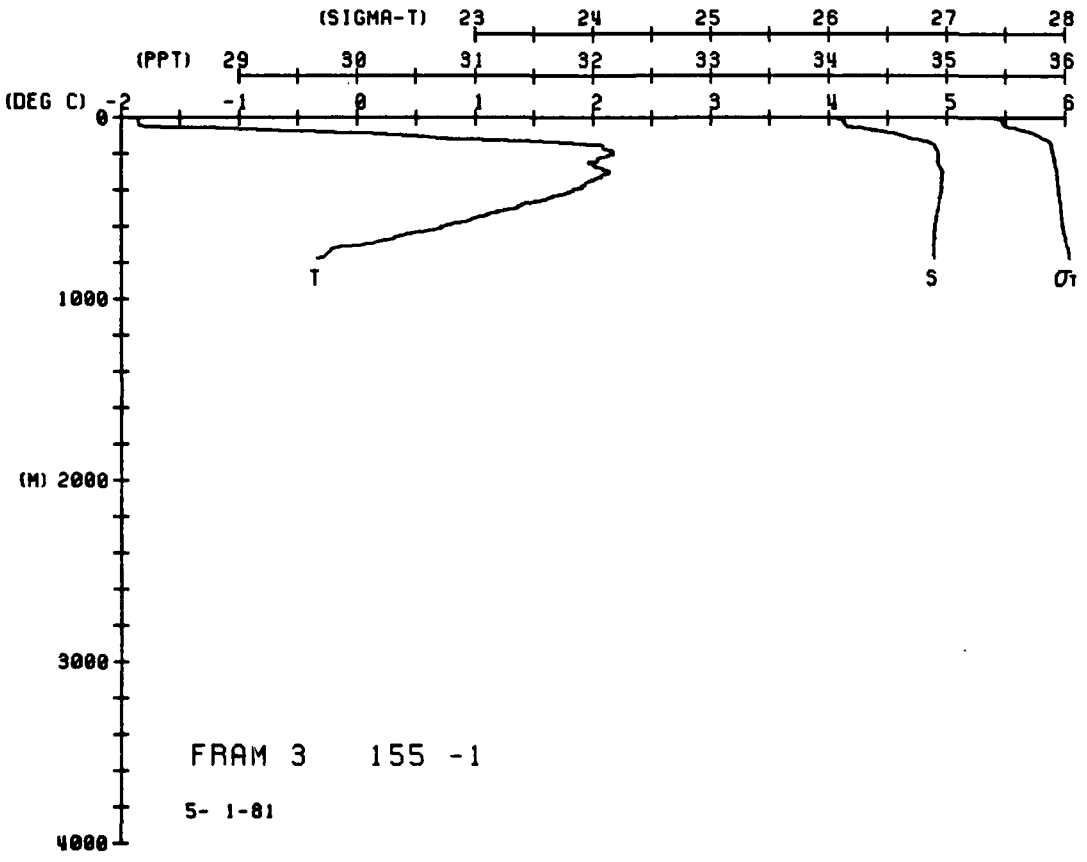
FRAM 3 154 -1

5- 1-81

FRAM 3 STATION 155(1) CTD 1/MAY/1981 1111 GMT CODE = 5
LAT = 81.8202N LNG = 5.1898E LTEN = 30, LGEN = 30,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

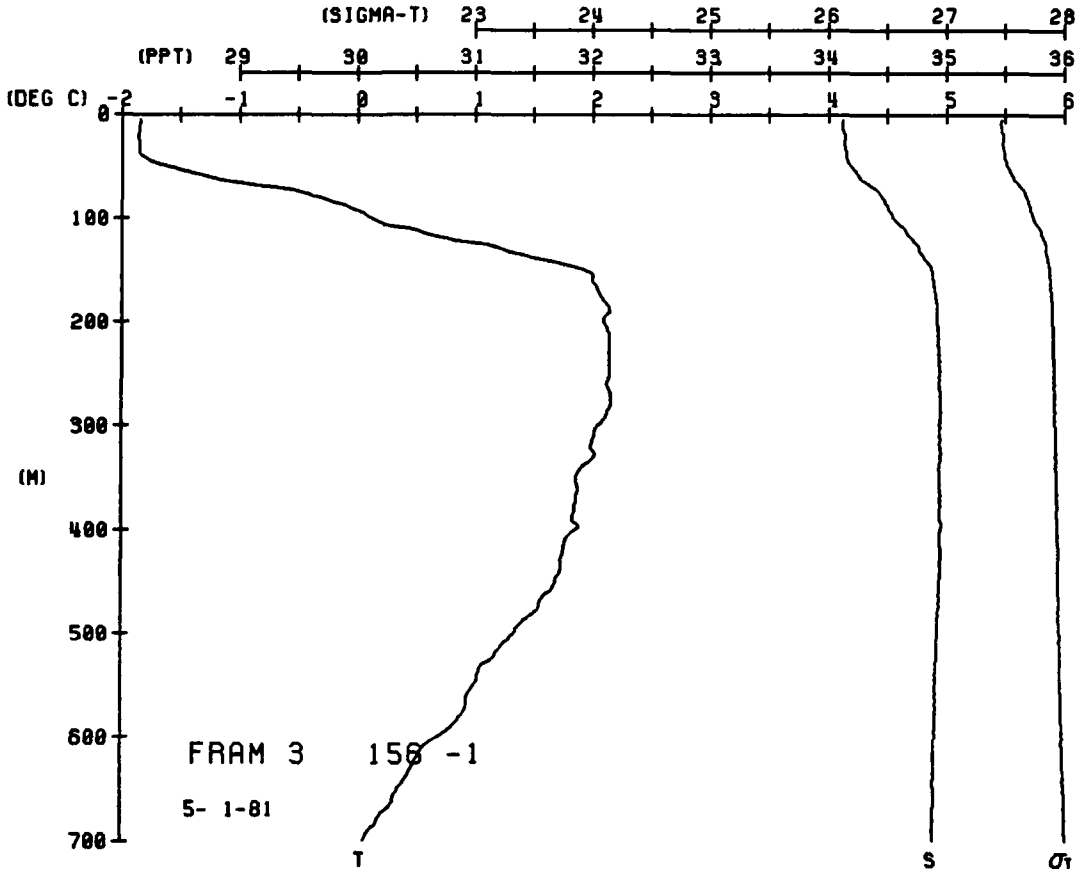
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.01	27.38	69.0	0.000	1439.4
4.0	-1.84	-1.84	34.01	27.38	69.0	0.003	1439.4
5.0	-1.84	-1.84	34.04	27.40	66.6	0.003	1439.5
10.0	-1.85	-1.85	34.08	27.44	63.4	0.007	1439.6
15.0	-1.86	-1.86	34.12	27.47	60.2	0.010	1439.7
20.0	-1.86	-1.86	34.13	27.48	59.4	0.013	1439.8
25.0	-1.85	-1.85	34.12	27.47	60.1	0.016	1439.9
30.0	-1.85	-1.85	34.14	27.48	58.6	0.019	1440.0
35.0	-1.85	-1.85	34.13	27.48	59.2	0.022	1440.0
40.0	-1.85	-1.85	34.14	27.49	58.5	0.025	1440.1
45.0	-1.84	-1.84	34.15	27.49	58.1	0.028	1440.3
50.0	-1.80	-1.80	34.16	27.50	57.5	0.031	1440.6
55.0	-1.54	-1.55	34.23	27.55	52.7	0.034	1442.0
60.0	-1.14	-1.14	34.30	27.59	48.5	0.036	1444.0
65.0	-0.96	-0.96	34.32	27.60	47.4	0.039	1445.0
70.0	-0.81	-0.82	34.36	27.63	44.9	0.041	1445.8
75.0	-0.54	-0.54	34.45	27.69	39.6	0.043	1447.3
80.0	-0.32	-0.32	34.48	27.70	38.4	0.045	1448.4
85.0	-0.07	-0.08	34.53	27.73	35.8	0.047	1449.7
90.0	0.18	0.18	34.57	27.75	33.9	0.049	1451.0
95.0	0.30	0.29	34.60	27.76	32.4	0.050	1451.7
100.0	0.41	0.40	34.62	27.78	31.3	0.052	1452.3
110.0	0.63	0.62	34.67	27.80	28.9	0.055	1453.5
120.0	0.83	0.82	34.72	27.83	26.0	0.058	1454.7
130.0	1.35	1.34	34.81	27.87	23.2	0.060	1457.3
140.0	1.75	1.74	34.86	27.88	22.1	0.062	1459.3
150.0	2.00	2.00	34.90	27.89	21.2	0.065	1460.6
160.0	2.09	2.08	34.90	27.89	21.5	0.067	1461.2
170.0	2.09	2.08	34.91	27.89	21.2	0.069	1461.3
180.0	2.15	2.14	34.93	27.90	20.4	0.071	1461.8
190.0	2.17	2.16	34.93	27.90	20.8	0.073	1462.1
200.0	2.15	2.14	34.93	27.90	20.7	0.075	1462.1
210.0	2.14	2.13	34.93	27.90	20.3	0.077	1462.3
220.0	2.10	2.09	34.93	27.91	19.8	0.079	1462.3
230.0	2.05	2.03	34.93	27.91	19.3	0.081	1462.2
240.0	2.04	2.03	34.93	27.92	19.3	0.083	1462.3
250.0	1.97	1.95	34.93	27.92	19.3	0.085	1462.1
260.0	2.00	1.99	34.94	27.92	18.9	0.087	1462.5
270.0	2.02	2.00	34.94	27.93	18.5	0.089	1462.7
280.0	2.07	2.06	34.95	27.93	18.5	0.091	1463.1
290.0	2.09	2.07	34.96	27.93	18.0	0.093	1463.4
300.0	2.14	2.12	34.97	27.93	17.9	0.095	1463.8
310.0	2.13	2.11	34.97	27.93	18.0	0.096	1463.9
320.0	2.08	2.06	34.96	27.94	17.7	0.098	1463.8
330.0	2.08	2.06	34.96	27.94	17.9	0.100	1464.0
340.0	2.02	2.00	34.96	27.94	17.6	0.102	1463.9
350.0	1.99	1.97	34.96	27.94	17.7	0.104	1464.0
360.0	1.95	1.93	34.96	27.94	17.5	0.105	1463.9
370.0	1.93	1.91	34.96	27.95	17.0	0.107	1464.0
380.0	1.91	1.89	34.96	27.95	16.9	0.109	1464.1
390.0	1.90	1.88	34.96	27.95	16.9	0.111	1464.2
400.0	1.83	1.81	34.96	27.95	16.7	0.112	1464.1
410.0	1.81	1.79	34.95	27.95	16.7	0.114	1464.2
420.0	1.77	1.74	34.95	27.95	16.7	0.116	1464.1
430.0	1.70	1.68	34.95	27.96	16.2	0.117	1464.0
440.0	1.65	1.63	34.95	27.96	16.1	0.119	1464.0
450.0	1.61	1.58	34.94	27.96	16.1	0.121	1463.9
460.0	1.55	1.52	34.94	27.96	15.9	0.122	1463.8
470.0	1.46	1.43	34.94	27.96	15.4	0.124	1463.6
480.0	1.40	1.38	34.93	27.96	15.2	0.125	1463.5
490.0	1.38	1.35	34.93	27.96	15.2	0.127	1463.5
500.0	1.35	1.33	34.93	27.96	15.2	0.128	1463.6
530.0	1.13	1.11	34.92	27.97	14.5	0.133	1463.1
560.0	0.98	0.95	34.91	27.98	13.5	0.137	1462.9
590.0	0.79	0.77	34.90	27.98	13.1	0.141	1462.6
620.0	0.65	0.62	34.90	27.99	12.2	0.145	1462.4
650.0	0.38	0.35	34.90	28.00	10.5	0.149	1461.7
680.0	0.21	0.18	34.89	28.01	9.5	0.152	1461.4
710.0	-0.11	-0.14	34.89	28.02	7.4	0.154	1460.5
740.0	-0.24	-0.27	34.89	28.03	6.4	0.156	1460.4
777.1	-0.35	-0.38	34.90	28.04	5.3	0.158	1460.5

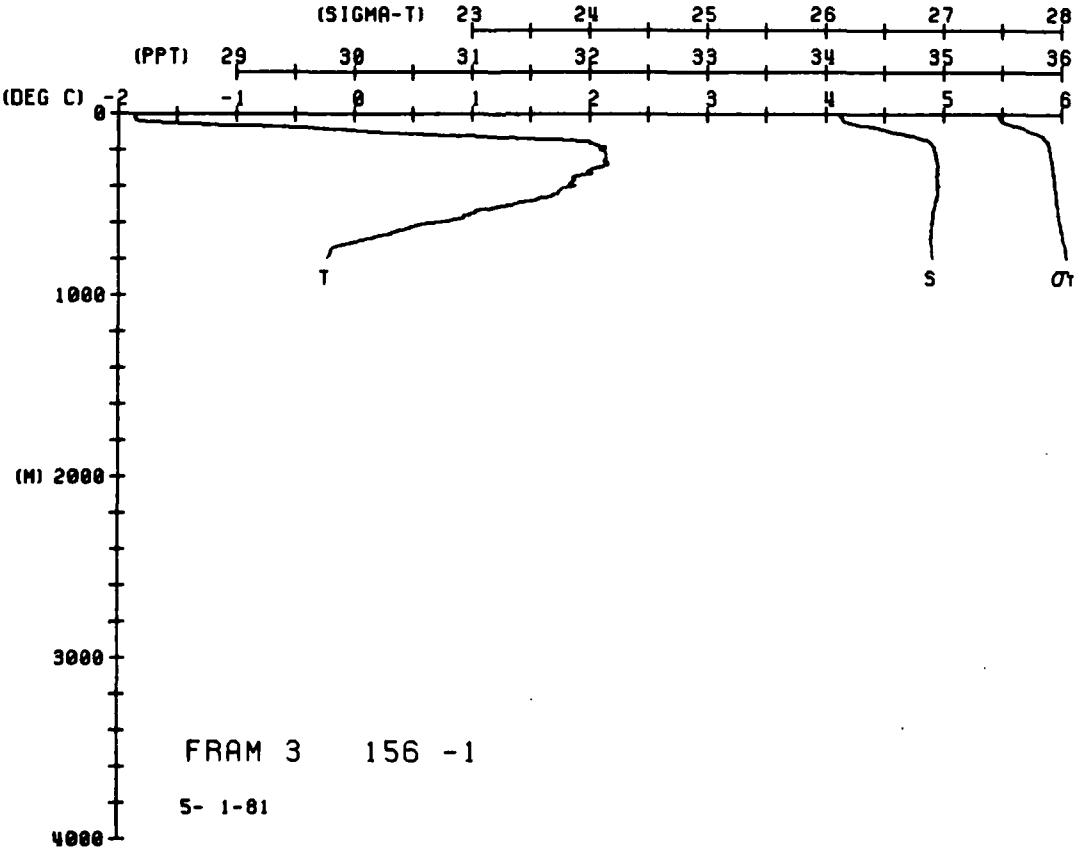

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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(M)
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500
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700
FRAM 3 155 -1
5- 1-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 155 -1
5- 1-81
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FRAM 3 STATION 156(1) CTD 1/MAY/1981 1502 GMT CODE = 5
LAT = 81.8155N LNG = 5.1745E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

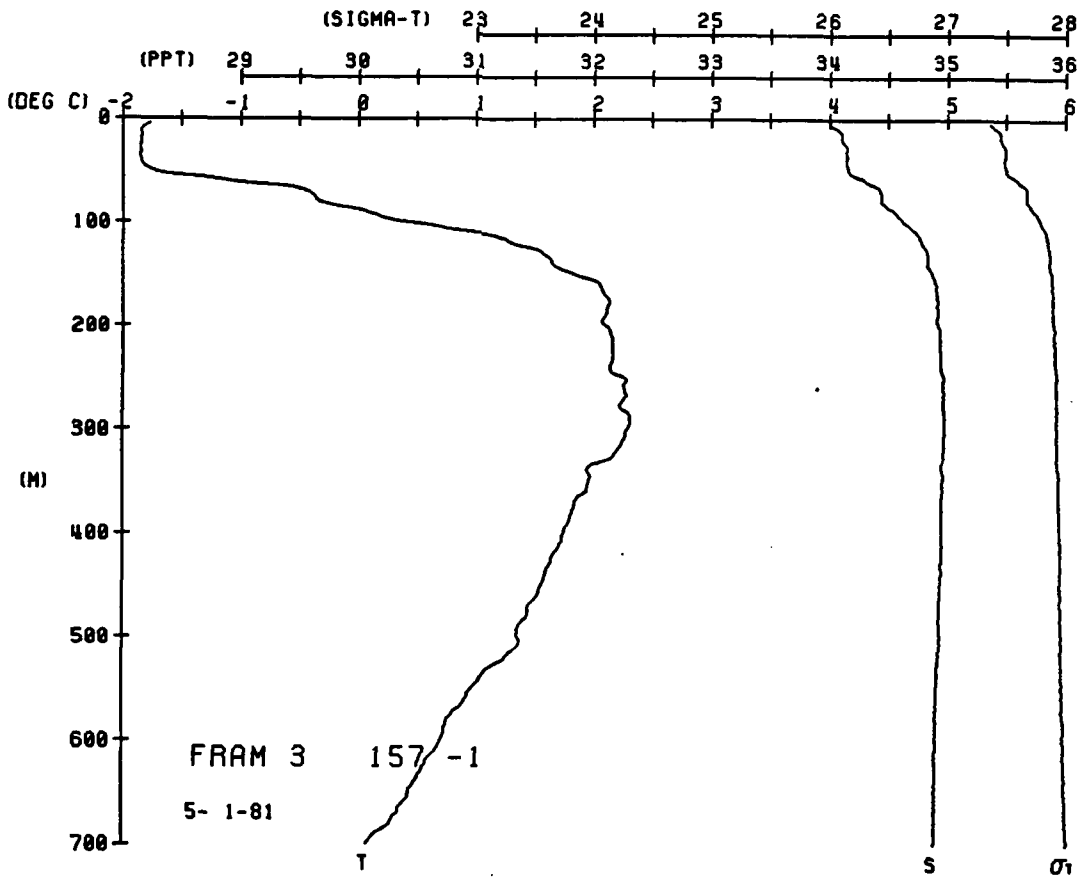
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.13	27.47	59.9	0.000	1439.5
4.0	-1.85	-1.85	34.13	27.47	59.9	0.002	1439.6
5.0	-1.85	-1.85	34.12	27.47	60.3	0.003	1439.6
10.0	-1.85	-1.85	34.12	27.47	60.3	0.006	1439.6
15.0	-1.85	-1.85	34.13	27.47	60.0	0.009	1439.7
20.0	-1.86	-1.86	34.14	27.49	58.5	0.012	1439.8
25.0	-1.85	-1.85	34.14	27.48	59.0	0.015	1439.9
30.0	-1.85	-1.85	34.14	27.48	59.1	0.018	1440.0
35.0	-1.85	-1.85	34.15	27.49	58.2	0.021	1440.1
40.0	-1.83	-1.83	34.15	27.49	57.9	0.024	1440.3
45.0	-1.75	-1.75	34.17	27.51	56.6	0.027	1440.8
50.0	-1.61	-1.61	34.20	27.52	55.0	0.030	1441.5
55.0	-1.44	-1.44	34.24	27.55	52.5	0.032	1442.5
60.0	-1.27	-1.27	34.27	27.57	50.7	0.035	1443.4
65.0	-1.08	-1.08	34.31	27.59	48.3	0.038	1444.4
70.0	-0.72	-0.72	34.38	27.64	43.9	0.040	1446.3
75.0	-0.48	-0.48	34.43	27.67	41.5	0.042	1447.5
80.0	-0.31	-0.32	34.46	27.68	39.7	0.044	1448.4
85.0	-0.16	-0.17	34.49	27.70	38.0	0.046	1449.3
90.0	-0.04	-0.04	34.51	27.72	36.9	0.048	1449.9
95.0	0.06	0.06	34.54	27.73	35.2	0.050	1450.5
100.0	0.13	0.12	34.56	27.74	34.2	0.051	1450.9
110.0	0.44	0.44	34.66	27.80	28.7	0.055	1452.7
120.0	0.77	0.76	34.72	27.83	26.0	0.057	1454.4
130.0	1.25	1.25	34.77	27.85	25.0	0.060	1456.8
140.0	1.59	1.59	34.83	27.87	23.2	0.062	1458.5
150.0	1.94	1.93	34.88	27.88	21.9	0.065	1460.3
160.0	2.00	1.99	34.89	27.89	21.7	0.067	1460.8
170.0	2.05	2.05	34.90	27.89	21.3	0.069	1461.2
180.0	2.11	2.10	34.92	27.90	20.6	0.071	1461.6
190.0	2.14	2.13	34.93	27.90	20.3	0.073	1461.9
200.0	2.10	2.09	34.93	27.91	20.1	0.075	1461.9
210.0	2.14	2.13	34.94	27.91	19.8	0.077	1462.3
220.0	2.14	2.13	34.94	27.91	19.9	0.079	1462.4
230.0	2.14	2.13	34.94	27.91	19.5	0.081	1462.6
240.0	2.14	2.13	34.94	27.91	19.4	0.083	1462.8
250.0	2.14	2.13	34.95	27.92	19.3	0.085	1462.9
260.0	2.13	2.12	34.95	27.92	18.9	0.087	1463.1
270.0	2.16	2.14	34.96	27.93	18.5	0.089	1463.4
280.0	2.15	2.14	34.96	27.93	18.7	0.091	1463.5
290.0	2.12	2.10	34.96	27.93	18.5	0.093	1463.5
300.0	2.05	2.03	34.95	27.93	18.3	0.095	1463.4
310.0	2.02	2.00	34.95	27.93	18.1	0.097	1463.4
320.0	1.99	1.97	34.96	27.94	17.7	0.098	1463.5
330.0	2.02	2.00	34.96	27.94	17.8	0.100	1463.7
340.0	1.91	1.89	34.95	27.94	17.7	0.102	1463.4
350.0	1.87	1.85	34.95	27.94	17.3	0.104	1463.4
360.0	1.88	1.86	34.95	27.94	17.1	0.105	1463.6
370.0	1.86	1.84	34.95	27.95	16.9	0.107	1463.7
380.0	1.85	1.82	34.95	27.94	17.1	0.109	1463.8
390.0	1.83	1.81	34.96	27.95	16.6	0.111	1463.9
400.0	1.86	1.84	34.96	27.95	16.9	0.112	1464.2
410.0	1.77	1.75	34.95	27.95	16.7	0.114	1464.0
420.0	1.75	1.73	34.95	27.95	16.3	0.116	1464.1
430.0	1.74	1.72	34.95	27.96	16.2	0.117	1464.2
440.0	1.73	1.71	34.96	27.96	16.1	0.119	1464.3
450.0	1.69	1.66	34.95	27.96	16.2	0.121	1464.3
460.0	1.63	1.61	34.95	27.96	16.0	0.122	1464.2
470.0	1.56	1.53	34.94	27.96	15.6	0.124	1464.0
480.0	1.50	1.48	34.94	27.96	15.6	0.125	1463.9
490.0	1.39	1.37	34.93	27.96	15.3	0.127	1463.6
500.0	1.33	1.31	34.93	27.97	14.7	0.129	1463.5
530.0	1.07	1.04	34.92	27.98	13.9	0.133	1462.8
560.0	0.94	0.91	34.91	27.98	13.4	0.137	1462.7
590.0	0.80	0.77	34.91	27.98	12.7	0.141	1462.6
620.0	0.51	0.48	34.90	28.00	11.1	0.145	1461.8
650.0	0.35	0.32	34.90	28.01	10.1	0.148	1461.6
680.0	0.18	0.15	34.89	28.01	9.2	0.151	1461.3
710.0	-0.02	-0.05	34.90	28.02	7.7	0.153	1460.9
740.0	-0.19	-0.22	34.90	28.04	5.9	0.155	1460.6
790.0	-0.22	-0.26	34.91	28.04	5.3	0.158	1461.3
794.9	-0.23	-0.26	34.91	28.04	5.2	0.156	1461.4

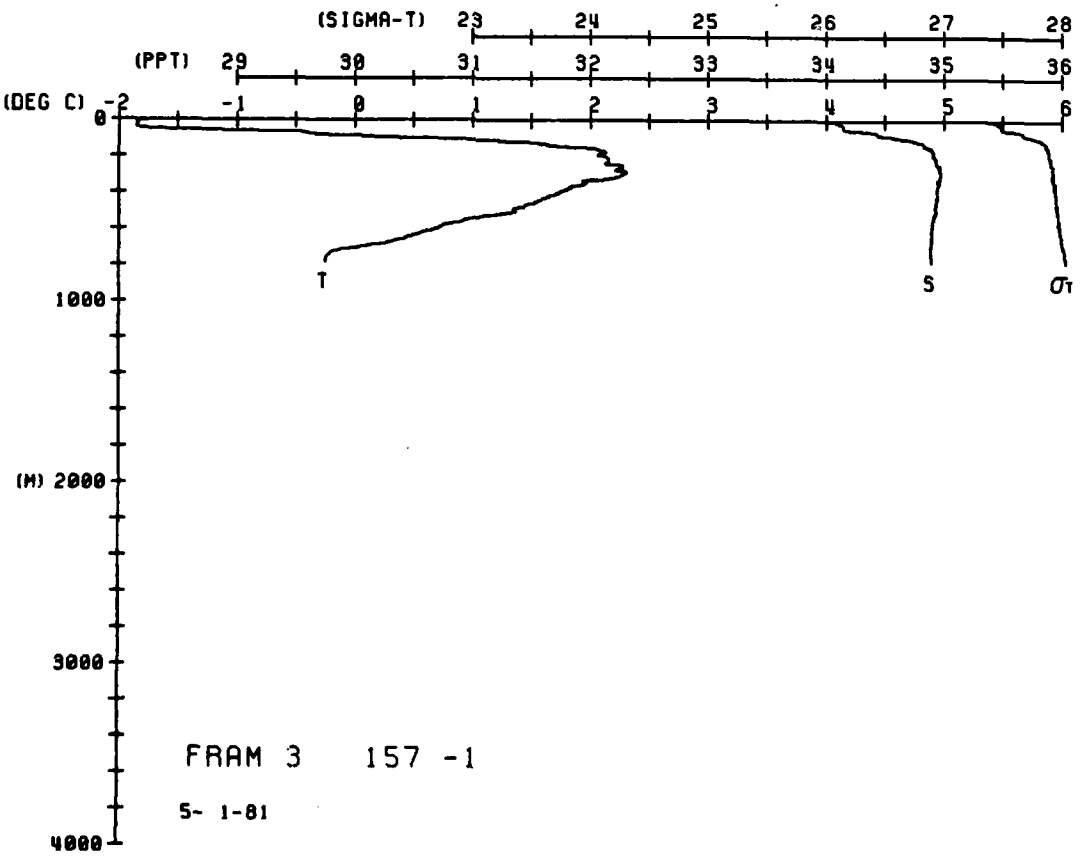

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 156 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
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FRAM 3 156 -1
5- 1-81
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FRAM 3 STATION 157(1) CTD 1/MAY/1981 2008 GMT CODE = 5
LAT = 81.8005N LNG = 5.1205E WTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

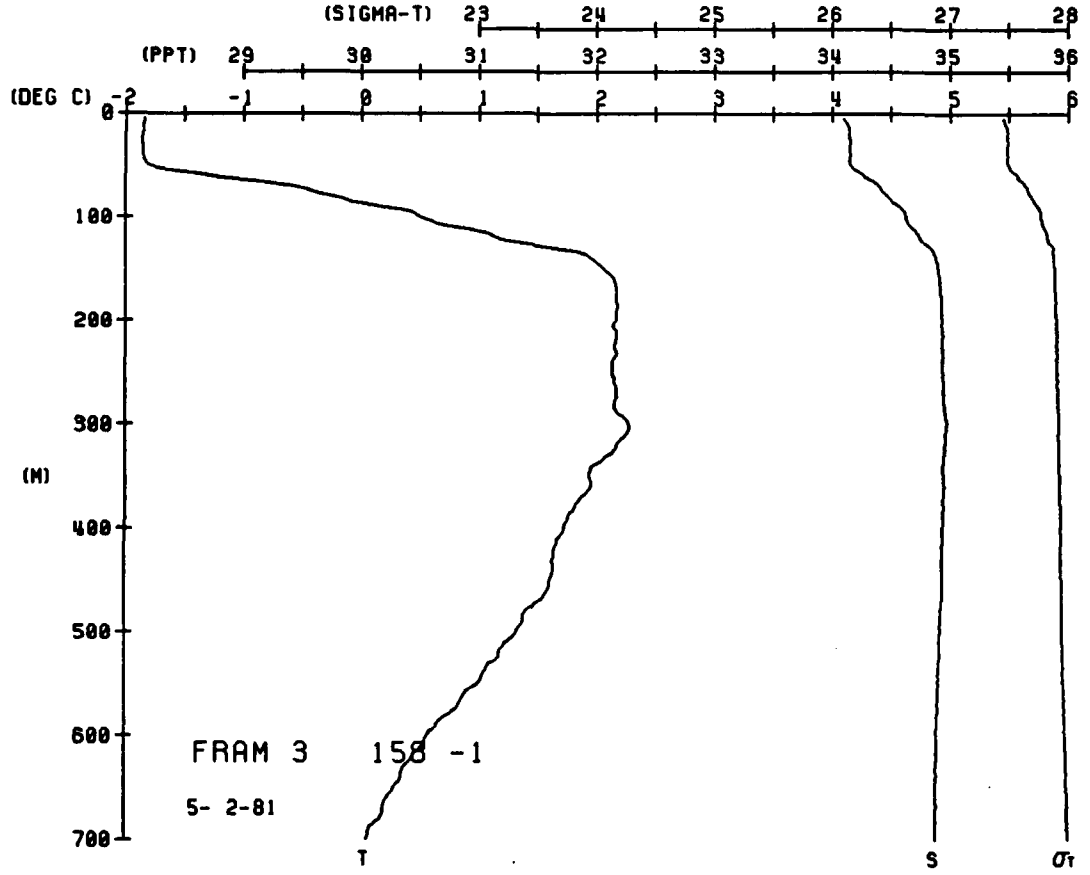
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.75	-1.75	33.99	27.36	70.9	0.000	1439.8
4.0	-1.75	-1.75	33.99	27.36	70.9	0.003	1439.8
5.0	-1.77	-1.77	34.00	27.37	69.7	0.004	1439.8
10.0	-1.84	-1.84	34.08	27.43	63.5	0.007	1439.6
15.0	-1.84	-1.84	34.10	27.45	61.8	0.010	1439.7
20.0	-1.84	-1.84	34.11	27.46	61.2	0.013	1439.8
25.0	-1.85	-1.85	34.14	27.48	58.8	0.016	1439.9
30.0	-1.85	-1.85	34.15	27.49	58.4	0.019	1440.0
35.0	-1.85	-1.85	34.15	27.49	57.9	0.022	1440.1
40.0	-1.85	-1.85	34.14	27.48	58.6	0.025	1440.2
45.0	-1.82	-1.82	34.15	27.49	57.8	0.028	1440.4
50.0	-1.74	-1.75	34.16	27.50	57.2	0.031	1440.8
55.0	-1.48	-1.48	34.23	27.55	52.7	0.034	1442.3
60.0	-1.08	-1.08	34.32	27.60	47.2	0.036	1444.3
65.0	-0.65	-0.65	34.41	27.66	42.3	0.039	1446.5
70.0	-0.43	-0.44	34.44	27.67	40.9	0.041	1447.7
75.0	-0.37	-0.37	34.44	27.67	41.1	0.043	1448.1
80.0	-0.33	-0.33	34.45	27.68	40.6	0.045	1448.4
85.0	-0.12	-0.12	34.51	27.71	37.1	0.047	1449.5
90.0	0.09	0.09	34.57	27.75	33.5	0.048	1450.6
95.0	0.20	0.19	34.60	27.77	31.5	0.050	1451.2
100.0	0.45	0.44	34.65	27.80	29.2	0.052	1452.5
110.0	1.03	1.03	34.74	27.84	25.8	0.054	1455.4
120.0	1.31	1.30	34.79	27.86	24.1	0.057	1456.9
130.0	1.58	1.58	34.83	27.87	23.1	0.059	1458.3
140.0	1.66	1.65	34.84	27.87	23.2	0.062	1458.8
150.0	1.85	1.84	34.88	27.89	21.5	0.064	1459.9
160.0	2.06	2.05	34.90	27.89	21.3	0.066	1461.1
170.0	2.10	2.09	34.92	27.90	20.9	0.068	1461.4
180.0	2.12	2.11	34.92	27.89	21.1	0.070	1461.7
190.0	2.09	2.08	34.92	27.90	20.8	0.073	1461.7
200.0	2.12	2.11	34.93	27.91	20.0	0.075	1462.0
210.0	2.15	2.14	34.94	27.91	20.0	0.077	1462.3
220.0	2.16	2.15	34.94	27.91	20.1	0.079	1462.5
230.0	2.16	2.15	34.94	27.91	19.8	0.081	1462.7
240.0	2.13	2.12	34.95	27.92	19.2	0.083	1462.8
250.0	2.28	2.26	34.97	27.93	18.6	0.085	1463.6
260.0	2.26	2.25	34.97	27.92	18.8	0.086	1463.7
270.0	2.26	2.24	34.97	27.92	18.9	0.088	1463.8
280.0	2.25	2.23	34.97	27.93	18.2	0.090	1464.0
290.0	2.31	2.30	34.98	27.93	18.4	0.092	1464.4
300.0	2.28	2.27	34.98	27.93	18.2	0.094	1464.4
310.0	2.25	2.23	34.97	27.93	18.4	0.096	1464.4
320.0	2.19	2.17	34.97	27.93	18.2	0.098	1464.4
330.0	2.07	2.06	34.96	27.93	18.4	0.099	1464.0
340.0	1.95	1.94	34.96	27.94	17.4	0.101	1463.6
350.0	1.96	1.94	34.96	27.94	17.0	0.103	1463.8
360.0	1.93	1.91	34.96	27.94	17.2	0.105	1463.8
370.0	1.84	1.82	34.95	27.94	17.0	0.107	1463.6
380.0	1.81	1.79	34.95	27.95	16.9	0.108	1463.7
390.0	1.78	1.76	34.95	27.95	16.8	0.110	1463.7
400.0	1.74	1.72	34.95	27.95	16.4	0.112	1463.7
410.0	1.71	1.69	34.95	27.96	15.9	0.113	1463.7
420.0	1.66	1.63	34.95	27.96	16.0	0.115	1463.6
430.0	1.62	1.60	34.94	27.96	15.9	0.116	1463.6
440.0	1.59	1.56	34.94	27.96	15.7	0.118	1463.6
450.0	1.55	1.53	34.94	27.96	15.6	0.120	1463.7
460.0	1.52	1.49	34.94	27.96	15.5	0.121	1463.7
470.0	1.45	1.42	34.93	27.96	15.5	0.123	1463.5
480.0	1.43	1.41	34.93	27.96	15.7	0.124	1463.6
490.0	1.36	1.33	34.94	27.97	14.7	0.126	1463.4
500.0	1.36	1.33	34.94	27.97	14.7	0.127	1463.6
530.0	1.10	1.07	34.92	27.97	14.2	0.132	1462.9
560.0	0.91	0.88	34.91	27.98	13.5	0.136	1462.6
590.0	0.74	0.71	34.90	27.99	12.5	0.140	1462.3
620.0	0.58	0.55	34.90	27.99	11.7	0.144	1462.1
650.0	0.43	0.40	34.90	28.00	10.4	0.147	1461.9
680.0	0.26	0.23	34.90	28.01	9.7	0.150	1461.7
710.0	-0.09	-0.12	34.89	28.02	7.5	0.153	1460.6
740.0	-0.21	-0.24	34.89	28.03	6.6	0.155	1460.5
784.0	-0.25	-0.28	34.90	28.04	5.5	0.158	1461.1

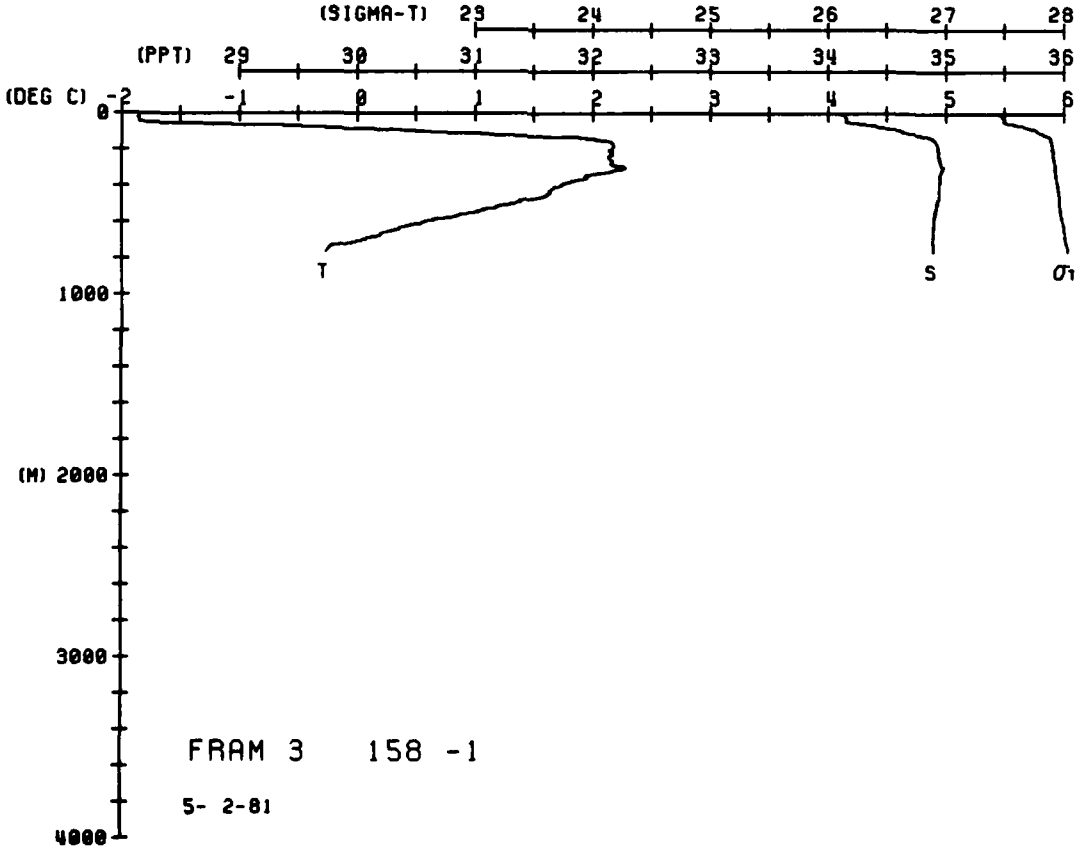

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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 157 -1
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FRAM 3 STATION 158(1) CTD 2/MAY/1981 942 GMT CODE = 5
LAT = 81.7935N LNG = 5.0278E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.08	27.44	63.4	0.000	1439.5
4.0	-1.84	-1.84	34.08	27.44	63.3	0.003	1439.5
5.0	-1.84	-1.84	34.10	27.45	62.1	0.003	1439.6
10.0	-1.85	-1.85	34.13	27.47	60.0	0.006	1439.6
15.0	-1.85	-1.85	34.15	27.49	58.5	0.009	1439.7
20.0	-1.85	-1.85	34.15	27.49	58.4	0.012	1439.8
25.0	-1.86	-1.86	34.16	27.50	57.6	0.015	1439.9
30.0	-1.85	-1.85	34.15	27.49	57.8	0.018	1440.0
35.0	-1.85	-1.85	34.15	27.49	58.2	0.021	1440.1
40.0	-1.85	-1.85	34.16	27.50	57.5	0.024	1440.2
45.0	-1.84	-1.84	34.15	27.49	57.7	0.027	1440.3
50.0	-1.80	-1.80	34.17	27.50	56.9	0.030	1440.6
55.0	-1.59	-1.60	34.21	27.54	53.7	0.033	1441.7
60.0	-1.26	-1.26	34.28	27.58	49.6	0.035	1443.5
65.0	-0.95	-0.95	34.34	27.62	45.8	0.038	1445.1
70.0	-0.58	-0.58	34.41	27.66	42.0	0.040	1447.0
75.0	-0.41	-0.41	34.44	27.67	40.9	0.042	1447.9
80.0	-0.23	-0.24	34.48	27.70	38.3	0.044	1448.8
85.0	-0.05	-0.06	34.53	27.73	35.9	0.046	1449.8
90.0	0.21	0.21	34.59	27.76	32.4	0.047	1451.2
95.0	0.44	0.44	34.62	27.78	31.0	0.049	1452.4
100.0	0.52	0.51	34.63	27.78	31.0	0.051	1452.8
110.0	0.82	0.82	34.69	27.81	28.6	0.054	1454.4
120.0	1.15	1.15	34.75	27.84	25.8	0.056	1456.2
130.0	1.68	1.67	34.86	27.88	21.6	0.059	1458.8
140.0	1.97	1.96	34.89	27.89	21.5	0.061	1460.3
150.0	2.07	2.06	34.91	27.89	20.9	0.063	1460.9
160.0	2.16	2.15	34.92	27.89	20.9	0.065	1461.5
170.0	2.17	2.17	34.93	27.90	20.6	0.067	1461.7
180.0	2.17	2.16	34.94	27.91	20.0	0.069	1461.9
190.0	2.17	2.16	34.93	27.91	20.1	0.071	1462.1
200.0	2.17	2.16	34.94	27.91	20.0	0.073	1462.2
210.0	2.17	2.16	34.94	27.91	19.6	0.075	1462.4
220.0	2.16	2.15	34.94	27.91	19.6	0.077	1462.5
230.0	2.17	2.16	34.95	27.92	19.2	0.079	1462.8
240.0	2.14	2.13	34.95	27.92	19.1	0.081	1462.8
250.0	2.14	2.13	34.95	27.92	18.8	0.083	1463.0
260.0	2.16	2.15	34.95	27.92	18.9	0.085	1463.2
270.0	2.18	2.16	34.96	27.93	18.3	0.087	1463.4
280.0	2.16	2.14	34.96	27.93	18.3	0.089	1463.5
290.0	2.21	2.19	34.97	27.93	18.0	0.091	1463.9
300.0	2.28	2.26	34.98	27.93	18.0	0.093	1464.4
310.0	2.25	2.23	34.97	27.93	18.5	0.094	1464.4
320.0	2.17	2.15	34.97	27.93	18.3	0.096	1464.3
330.0	2.09	2.07	34.96	27.93	18.1	0.098	1464.1
340.0	1.97	1.95	34.95	27.93	17.9	0.100	1463.7
350.0	1.95	1.93	34.95	27.94	17.6	0.102	1463.8
360.0	1.95	1.93	34.96	27.94	17.3	0.103	1464.0
370.0	1.87	1.85	34.95	27.94	17.3	0.105	1463.8
380.0	1.81	1.79	34.95	27.95	16.7	0.107	1463.7
390.0	1.75	1.73	34.95	27.95	16.7	0.109	1463.6
400.0	1.73	1.71	34.95	27.95	16.3	0.110	1463.6
410.0	1.67	1.65	34.95	27.96	16.0	0.112	1463.5
420.0	1.65	1.63	34.95	27.96	15.6	0.114	1463.6
430.0	1.63	1.61	34.95	27.96	15.5	0.115	1463.7
440.0	1.64	1.62	34.95	27.96	15.9	0.117	1463.9
450.0	1.61	1.59	34.95	27.96	15.4	0.118	1463.9
460.0	1.58	1.56	34.95	27.96	15.4	0.120	1464.0
470.0	1.51	1.48	34.94	27.96	15.6	0.121	1463.8
480.0	1.40	1.37	34.93	27.96	15.1	0.123	1463.5
490.0	1.38	1.35	34.93	27.97	15.0	0.125	1463.6
500.0	1.33	1.30	34.93	27.97	15.0	0.126	1463.5
530.0	1.10	1.07	34.92	27.98	13.8	0.130	1462.9
560.0	0.88	0.85	34.91	27.98	13.2	0.135	1462.5
590.0	0.64	0.62	34.90	27.99	11.9	0.138	1461.9
620.0	0.44	0.41	34.90	28.00	10.6	0.142	1461.5
650.0	0.29	0.26	34.89	28.00	10.1	0.145	1461.3
680.0	0.16	0.13	34.90	28.01	9.0	0.148	1461.2
710.0	-0.04	-0.07	34.90	28.02	7.6	0.150	1460.8
740.0	-0.24	-0.27	34.89	28.03	6.4	0.152	1460.4
768.3	-0.26	-0.30	34.89	28.03	6.1	0.154	1460.7


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
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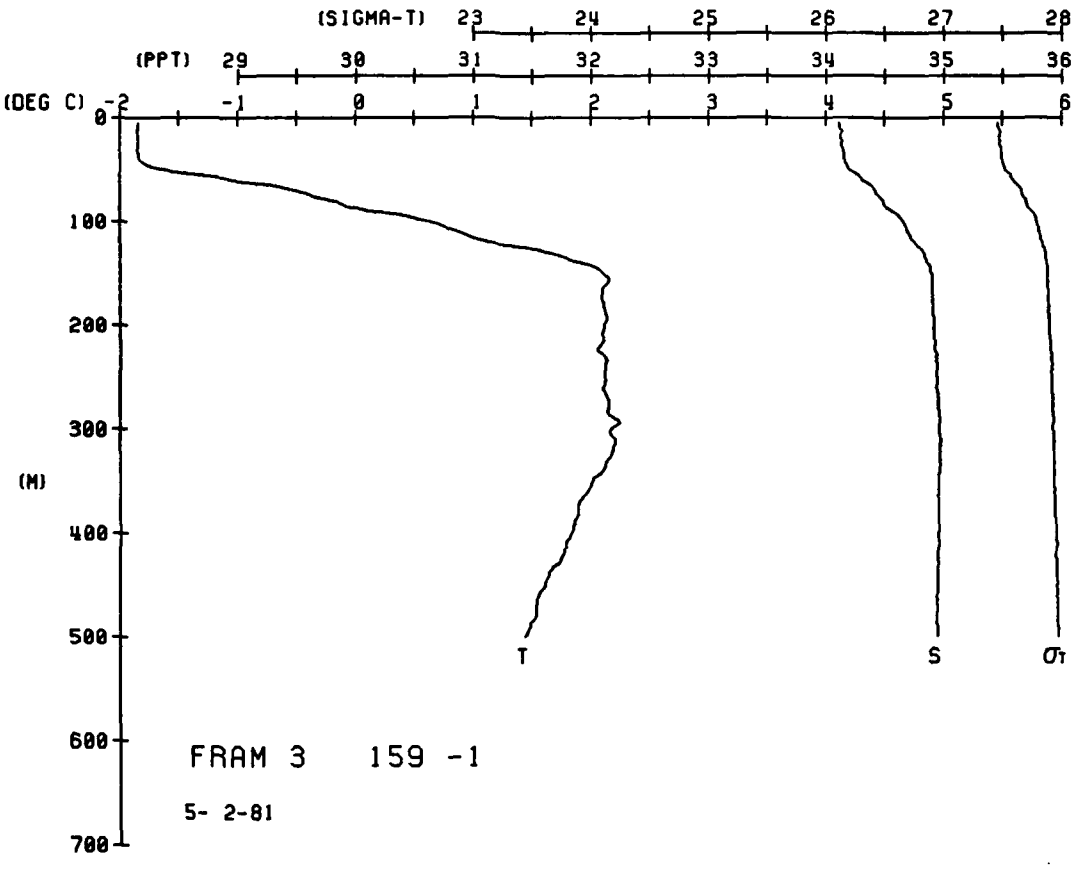

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 STATION 159(1) CTD 2/MAY/1981 1511 GMT CODE = 5
LAT = 81.7958N LNG = 5.0223E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.11	27.46	61.5	0.000	1439.5
4.0	-1.84	-1.84	34.11	27.46	61.5	0.002	1439.5
5.0	-1.84	-1.84	34.11	27.46	61.4	0.003	1439.6
10.0	-1.85	-1.85	34.13	27.47	60.0	0.006	1439.6
15.0	-1.85	-1.85	34.14	27.48	59.2	0.009	1439.7
20.0	-1.85	-1.85	34.13	27.48	59.3	0.012	1439.8
25.0	-1.84	-1.84	34.14	27.48	59.1	0.015	1439.9
30.0	-1.85	-1.85	34.15	27.49	57.9	0.018	1440.0
35.0	-1.85	-1.85	34.15	27.49	58.1	0.021	1440.1
40.0	-1.84	-1.84	34.16	27.50	57.6	0.024	1440.2
45.0	-1.78	-1.78	34.17	27.51	56.2	0.027	1440.6
50.0	-1.65	-1.65	34.19	27.52	55.2	0.030	1441.3
55.0	-1.34	-1.35	34.27	27.57	50.5	0.032	1442.9
60.0	-1.05	-1.05	34.31	27.60	47.8	0.035	1444.5
65.0	-0.75	-0.76	34.37	27.64	44.4	0.037	1446.0
70.0	-0.51	-0.51	34.42	27.66	41.8	0.039	1447.3
75.0	-0.37	-0.37	34.45	27.68	40.3	0.041	1448.1
80.0	-0.20	-0.20	34.49	27.70	38.1	0.043	1449.0
85.0	-0.08	-0.08	34.50	27.71	37.4	0.045	1449.6
90.0	0.13	0.13	34.51	27.75	33.4	0.047	1450.8
95.0	0.44	0.43	34.63	27.78	31.0	0.049	1452.3
100.0	0.63	0.62	34.66	27.80	29.5	0.050	1453.3
110.0	0.87	0.87	34.70	27.82	27.7	0.053	1454.7
120.0	1.13	1.13	34.76	27.84	25.5	0.056	1456.1
130.0	1.65	1.64	34.83	27.86	23.4	0.058	1458.6
140.0	1.92	1.91	34.87	27.87	22.6	0.061	1460.0
150.0	2.11	2.10	34.90	27.88	22.3	0.063	1461.1
160.0	2.14	2.13	34.90	27.88	22.0	0.065	1461.4
170.0	2.10	2.09	34.90	27.89	21.6	0.067	1461.4
180.0	2.12	2.10	34.91	27.89	21.4	0.070	1461.6
190.0	2.14	2.13	34.91	27.89	21.4	0.072	1461.9
200.0	2.12	2.11	34.92	27.90	20.9	0.074	1462.0
210.0	2.11	2.10	34.92	27.90	20.8	0.076	1462.1
220.0	2.08	2.07	34.92	27.90	20.6	0.078	1462.1
230.0	2.13	2.11	34.94	27.91	19.6	0.080	1462.5
240.0	2.13	2.12	34.94	27.91	19.5	0.082	1462.7
250.0	2.13	2.12	34.95	27.92	19.0	0.084	1462.9
260.0	2.11	2.10	34.94	27.92	19.1	0.086	1463.0
270.0	2.15	2.13	34.96	27.92	18.8	0.088	1463.3
280.0	2.15	2.14	34.96	27.92	18.7	0.090	1463.5
290.0	2.22	2.20	34.97	27.93	18.3	0.092	1464.0
300.0	2.19	2.16	34.96	27.93	18.5	0.094	1463.9
310.0	2.21	2.19	34.98	27.93	18.0	0.095	1464.3
320.0	2.19	2.17	34.97	27.93	18.2	0.097	1464.4
330.0	2.14	2.12	34.96	27.93	18.3	0.099	1464.3
340.0	2.11	2.09	34.96	27.93	18.1	0.101	1464.3
350.0	2.01	1.99	34.96	27.94	17.7	0.103	1464.0
360.0	1.97	1.95	34.95	27.94	17.8	0.104	1464.0
370.0	1.90	1.88	34.96	27.94	17.2	0.106	1463.9
380.0	1.89	1.87	34.95	27.94	17.2	0.108	1464.0
390.0	1.86	1.84	34.95	27.94	17.2	0.110	1464.0
400.0	1.84	1.81	34.95	27.95	17.0	0.111	1464.1
410.0	1.79	1.77	34.96	27.95	16.4	0.113	1464.1
420.0	1.77	1.75	34.95	27.95	16.6	0.115	1464.1
430.0	1.72	1.70	34.95	27.96	16.2	0.116	1464.1
440.0	1.64	1.62	34.95	27.96	15.9	0.118	1463.9
450.0	1.61	1.59	34.95	27.96	15.8	0.120	1463.9
460.0	1.56	1.53	34.94	27.96	15.7	0.121	1463.9
470.0	1.54	1.51	34.95	27.97	15.1	0.123	1464.0
480.0	1.54	1.51	34.94	27.96	15.4	0.124	1464.1
490.0	1.49	1.46	34.95	27.97	15.0	0.126	1464.1
500.0	1.43	1.41	34.95	27.97	14.5	0.127	1464.0

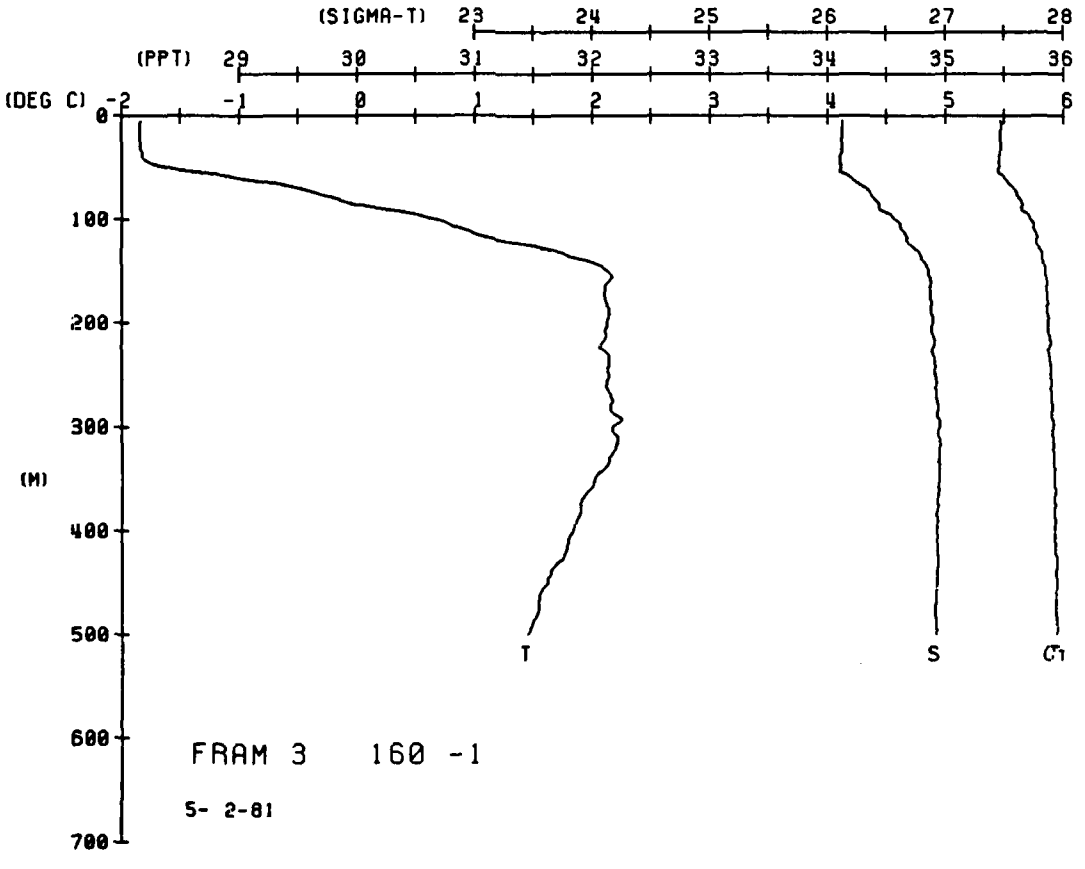
FRAM 3 STATION 160(1) CTD 2/MAY/1981 1512 GMT CODE = 5
LAT = 81.7958N LNG = 5.0223E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.12	27.47	60.5	0.000	1439.5
4.0	-1.84	-1.84	34.12	27.47	60.5	0.002	1439.6
5.0	-1.84	-1.84	34.13	27.47	60.2	0.003	1439.6
10.0	-1.84	-1.84	34.13	27.48	59.6	0.006	1439.7
15.0	-1.84	-1.84	34.13	27.47	59.9	0.009	1439.8
20.0	-1.84	-1.84	34.12	27.47	60.1	0.012	1439.8
25.0	-1.84	-1.84	34.12	27.47	60.3	0.015	1439.9
30.0	-1.84	-1.84	34.12	27.47	60.5	0.018	1440.0
35.0	-1.83	-1.83	34.11	27.46	60.8	0.021	1440.1
40.0	-1.82	-1.82	34.11	27.46	61.3	0.024	1440.2
45.0	-1.76	-1.76	34.11	27.45	61.4	0.027	1440.6
50.0	-1.62	-1.62	34.11	27.45	61.6	0.031	1441.3
55.0	-1.31	-1.32	34.12	27.45	61.6	0.034	1442.9
60.0	-1.01	-1.02	34.20	27.51	56.6	0.037	1444.5
65.0	-0.73	-0.73	34.25	27.53	54.1	0.039	1446.0
70.0	-0.49	-0.49	34.33	27.59	49.1	0.042	1447.3
75.0	-0.34	-0.34	34.36	27.61	46.9	0.045	1448.1
80.0	-0.17	-0.18	34.40	27.63	44.8	0.047	1449.0
85.0	-0.04	-0.04	34.44	27.66	42.5	0.049	1449.7
90.0	0.22	0.22	34.45	27.65	43.3	0.051	1451.0
95.0	0.48	0.48	34.53	27.70	38.2	0.053	1452.4
100.0	0.67	0.67	34.58	27.73	35.8	0.055	1453.4
110.0	0.91	0.90	34.64	27.76	33.1	0.059	1454.7
120.0	1.19	1.18	34.67	27.77	32.1	0.062	1456.2
130.0	1.68	1.68	34.78	27.82	28.0	0.065	1458.7
140.0	1.96	1.95	34.82	27.83	26.8	0.068	1460.2
150.0	2.13	2.12	34.85	27.84	25.6	0.070	1461.1
160.0	2.14	2.13	34.88	27.86	24.0	0.073	1461.3
170.0	2.11	2.10	34.87	27.86	24.1	0.075	1461.4
180.0	2.13	2.11	34.88	27.87	23.4	0.078	1461.6
190.0	2.15	2.14	34.89	27.87	23.6	0.080	1461.9
200.0	2.13	2.12	34.89	27.87	23.1	0.082	1462.0
210.0	2.12	2.11	34.89	27.88	22.9	0.085	1462.1
220.0	2.08	2.06	34.91	27.89	21.4	0.087	1462.1
230.0	2.14	2.13	34.90	27.88	22.6	0.089	1462.5
240.0	2.14	2.13	34.92	27.89	21.4	0.092	1462.7
250.0	2.14	2.13	34.92	27.90	21.3	0.094	1462.9
260.0	2.12	2.11	34.92	27.90	20.9	0.096	1463.0
270.0	2.16	2.14	34.93	27.90	20.8	0.098	1463.3
280.0	2.16	2.14	34.94	27.91	19.9	0.100	1463.5
290.0	2.23	2.21	34.94	27.90	21.0	0.102	1464.0
300.0	2.18	2.16	34.95	27.92	19.3	0.104	1464.0
310.0	2.22	2.20	34.95	27.92	19.7	0.106	1464.3
320.0	2.20	2.18	34.95	27.92	19.9	0.108	1464.4
330.0	2.14	2.13	34.95	27.92	19.8	0.110	1464.3
340.0	2.11	2.09	34.95	27.92	19.1	0.112	1464.3
350.0	2.02	2.00	34.95	27.93	18.7	0.114	1464.1
360.0	1.98	1.96	34.95	27.93	18.5	0.116	1464.1
370.0	1.91	1.89	34.93	27.93	18.9	0.118	1463.9
380.0	1.90	1.88	34.93	27.92	19.0	0.120	1464.0
390.0	1.87	1.85	34.94	27.93	18.3	0.122	1464.1
400.0	1.84	1.82	34.94	27.93	18.2	0.123	1464.1
410.0	1.80	1.78	34.93	27.93	18.2	0.125	1464.1
420.0	1.77	1.75	34.93	27.93	18.1	0.127	1464.1
430.0	1.72	1.70	34.94	27.95	16.9	0.129	1464.1
440.0	1.65	1.62	34.93	27.94	17.2	0.131	1463.9
450.0	1.62	1.59	34.94	27.95	16.6	0.132	1463.9
460.0	1.56	1.54	34.92	27.94	17.2	0.134	1463.9
470.0	1.54	1.52	34.92	27.94	17.2	0.136	1463.9
480.0	1.54	1.51	34.92	27.94	17.3	0.137	1464.1
490.0	1.50	1.47	34.93	27.95	16.5	0.139	1464.1
499.0	1.46	1.43	34.92	27.95	16.5	0.141	1464.0



FRAM 3 159 -1

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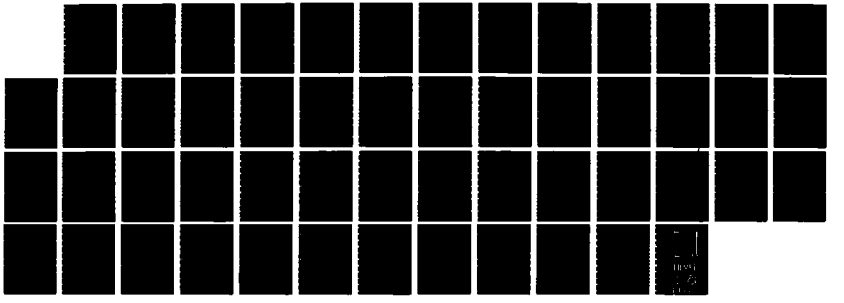


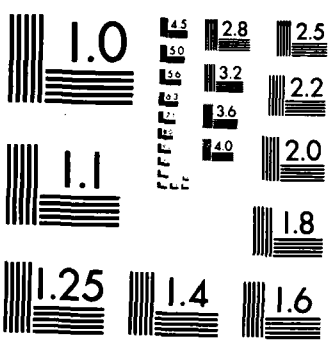
FRAM 3 160 -1

5- 2-81

AD-A163 097 PHYSICAL OCEANOGRAPHY REPORT: CAMP-BASED AND HELICOPTER-BASED STD DATA FR (U) LAMONT-DOHERTY GEOLOGICAL OBSERVATORY PALISADES NY T O MANLEY ET AL

UNCLASSIFIED DEC 85 LDGO-85-8 N00014-84-C-0132 F/G 8/10 NL

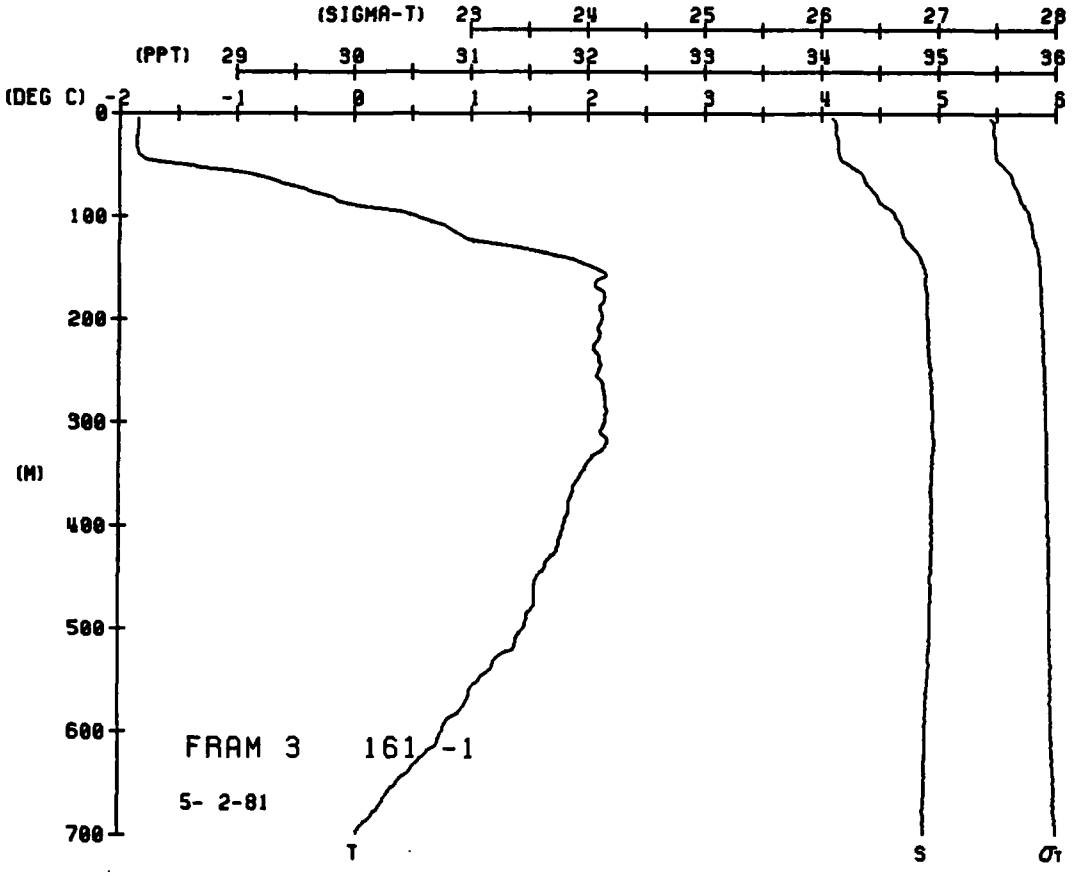


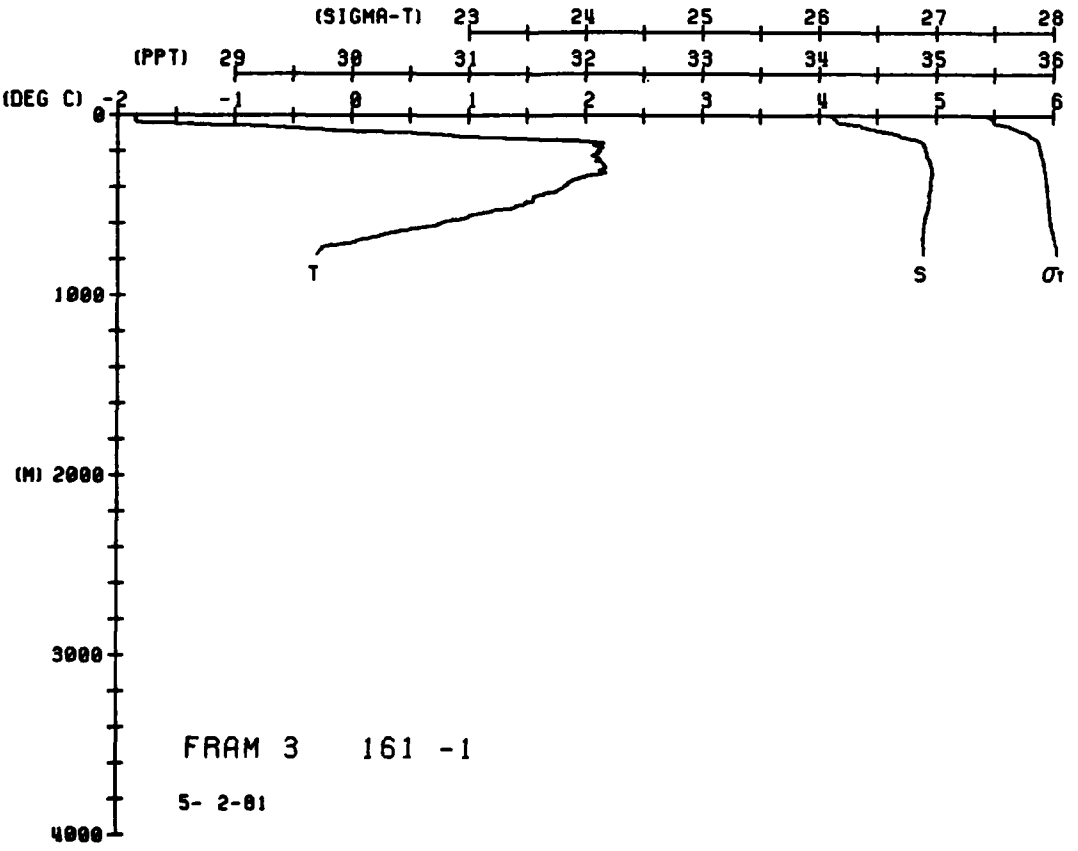


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

FRAM 3 STATION 161(1) CTD 2/MAY/1981 1538 GMT CODE = 5
LAT = 81.7955N LNG = 5.0192E LTER = 30, LGER = 30,
AIR TEMP = 0.0 BARON = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.84	-1.84	34.08	27.43	64.0	0.000	1439.5
4.0	-1.84	-1.84	34.08	27.43	63.9	0.003	1439.5
5.0	-1.84	-1.84	34.10	27.45	62.4	0.003	1439.5
10.0	-1.85	-1.85	34.13	27.47	59.7	0.006	1439.7
15.0	-1.85	-1.85	34.13	27.47	60.0	0.009	1439.7
20.0	-1.85	-1.85	34.13	27.48	59.3	0.012	1439.8
25.0	-1.85	-1.85	34.15	27.49	58.1	0.015	1439.9
30.0	-1.85	-1.85	34.15	27.49	58.1	0.018	1440.0
35.0	-1.85	-1.85	34.15	27.49	57.9	0.021	1440.1
40.0	-1.83	-1.83	34.16	27.50	57.5	0.024	1440.3
45.0	-1.76	-1.76	34.18	27.51	55.8	0.027	1440.7
50.0	-1.47	-1.47	34.25	27.56	51.5	0.030	1442.3
55.0	-1.09	-1.09	34.31	27.60	47.7	0.032	1444.2
60.0	-0.82	-0.83	34.36	27.63	45.0	0.035	1445.6
65.0	-0.68	-0.68	34.38	27.64	44.1	0.037	1446.4
70.0	-0.53	-0.54	34.41	27.66	42.2	0.039	1447.2
75.0	-0.38	-0.38	34.45	27.68	40.3	0.041	1448.0
80.0	-0.21	-0.22	34.48	27.70	38.4	0.043	1448.9
85.0	-0.13	-0.13	34.50	27.71	37.7	0.045	1449.4
90.0	0.07	0.07	34.55	27.74	34.7	0.047	1450.5
95.0	0.39	0.38	34.62	27.78	31.1	0.048	1452.1
100.0	0.54	0.54	34.64	27.79	30.5	0.050	1452.9
110.0	0.80	0.79	34.69	27.81	28.7	0.053	1454.3
120.0	0.94	0.93	34.71	27.82	27.6	0.056	1455.1
130.0	1.41	1.40	34.80	27.85	24.4	0.058	1457.5
140.0	1.83	1.82	34.86	27.87	22.6	0.061	1459.6
150.0	2.07	2.06	34.89	27.88	22.5	0.063	1460.9
160.0	2.13	2.12	34.90	27.88	22.4	0.065	1461.3
170.0	2.10	2.09	34.90	27.89	21.7	0.068	1461.4
180.0	2.15	2.14	34.91	27.89	21.6	0.070	1461.8
190.0	2.11	2.10	34.91	27.89	21.2	0.072	1461.8
200.0	2.13	2.12	34.91	27.89	21.3	0.074	1462.0
210.0	2.11	2.09	34.92	27.90	20.8	0.076	1462.1
220.0	2.10	2.08	34.92	27.90	20.5	0.078	1462.2
230.0	2.07	2.06	34.93	27.91	20.0	0.080	1462.3
240.0	2.12	2.10	34.93	27.91	19.9	0.082	1462.6
250.0	2.11	2.09	34.94	27.92	19.3	0.084	1462.8
260.0	2.13	2.12	34.95	27.92	18.8	0.086	1463.1
270.0	2.15	2.13	34.95	27.92	19.0	0.088	1463.3
280.0	2.15	2.14	34.96	27.92	18.9	0.090	1463.5
290.0	2.17	2.15	34.96	27.93	18.5	0.092	1463.7
300.0	2.15	2.14	34.96	27.93	18.6	0.094	1463.8
310.0	2.12	2.11	34.96	27.93	18.0	0.096	1463.9
320.0	2.17	2.15	34.97	27.93	18.1	0.098	1464.2
330.0	2.09	2.07	34.96	27.94	17.9	0.099	1464.1
340.0	2.00	1.98	34.96	27.94	17.4	0.101	1463.8
350.0	1.95	1.94	34.95	27.94	17.6	0.103	1463.8
360.0	1.90	1.88	34.95	27.94	17.4	0.105	1463.7
370.0	1.88	1.85	34.95	27.94	17.2	0.107	1463.8
380.0	1.85	1.83	34.95	27.95	16.9	0.108	1463.8
390.0	1.83	1.81	34.95	27.95	17.0	0.110	1463.9
400.0	1.81	1.78	34.95	27.95	16.6	0.112	1464.0
410.0	1.78	1.75	34.96	27.95	16.3	0.113	1464.0
420.0	1.76	1.73	34.95	27.95	16.3	0.115	1464.1
430.0	1.69	1.67	34.95	27.95	16.2	0.117	1464.0
440.0	1.64	1.62	34.95	27.96	16.1	0.118	1463.9
450.0	1.57	1.55	34.94	27.96	15.8	0.120	1463.8
460.0	1.55	1.53	34.95	27.96	15.3	0.121	1463.8
470.0	1.55	1.52	34.95	27.96	15.3	0.123	1464.0
480.0	1.54	1.51	34.94	27.96	15.7	0.125	1464.1
490.0	1.49	1.46	34.95	27.97	15.0	0.126	1464.1
500.0	1.46	1.43	34.94	27.97	14.9	0.128	1464.1
530.0	1.22	1.19	34.93	27.97	14.2	0.132	1463.5
560.0	1.01	0.98	34.92	27.98	13.6	0.136	1463.0
590.0	0.80	0.78	34.91	27.98	12.7	0.140	1462.6
620.0	0.62	0.59	34.90	27.99	11.9	0.144	1462.3
650.0	0.37	0.34	34.90	28.00	10.4	0.147	1461.6
680.0	0.17	0.14	34.89	28.01	9.2	0.150	1461.2
710.0	-0.02	-0.05	34.89	28.02	8.2	0.153	1460.9
740.0	-0.25	-0.28	34.89	28.03	6.4	0.155	1460.3
773.2	-0.31	-0.35	34.89	28.04	5.9	0.157	1460.6


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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200
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700
FRAM 3 161 -1
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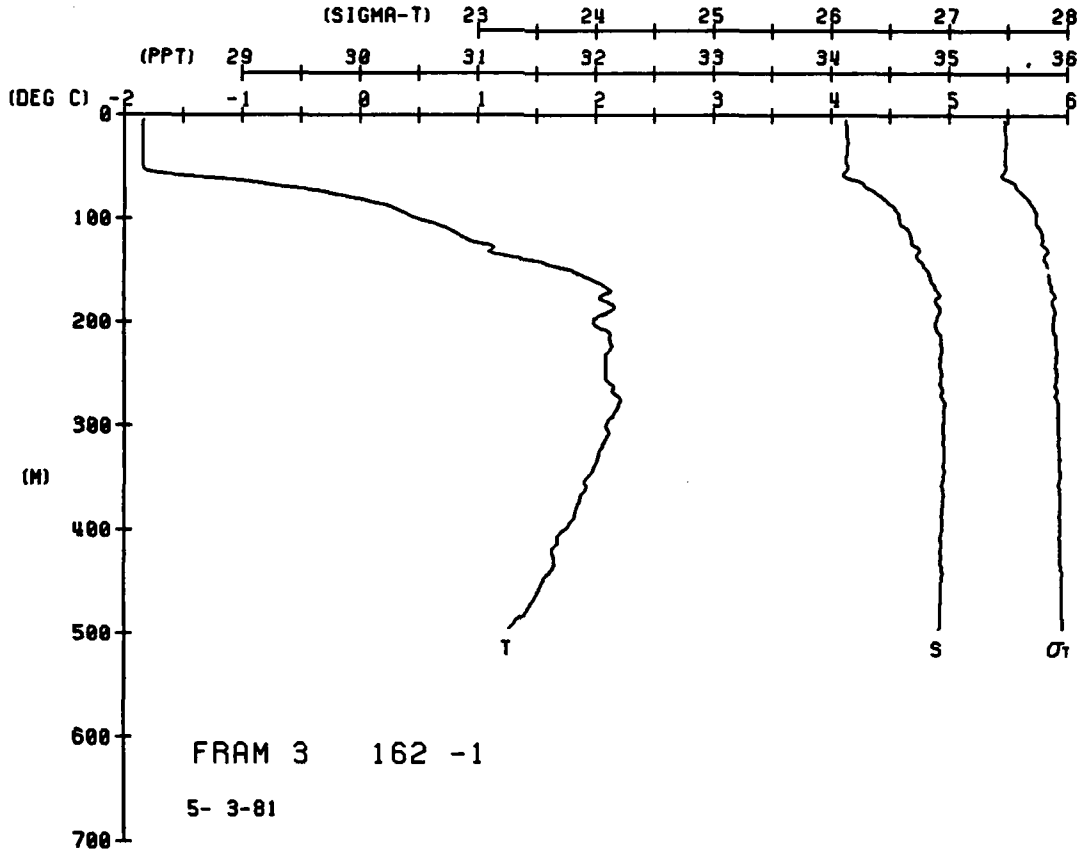

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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(M) 2000
3000
4000
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σT
FRAM 3 161 -1
5- 2-81

FRAM 3 STATION 162(1) CTD 3/MAY/1981 1206 GMT CODE = 5
LAT = 81.8052N LNG = 4.7547E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.13	27.47	60.2	0.000	1439.5
4.0	-1.84	-1.84	34.13	27.47	60.2	0.002	1439.6
5.0	-1.84	-1.84	34.13	27.47	60.0	0.003	1439.6
10.0	-1.85	-1.85	34.13	27.48	59.4	0.006	1439.7
15.0	-1.85	-1.85	34.13	27.48	59.4	0.009	1439.7
20.0	-1.85	-1.85	34.14	27.48	59.2	0.012	1439.8
25.0	-1.85	-1.85	34.15	27.49	58.4	0.015	1439.9
30.0	-1.85	-1.85	34.14	27.48	58.8	0.018	1440.0
35.0	-1.85	-1.85	34.13	27.48	59.4	0.021	1440.1
40.0	-1.84	-1.84	34.13	27.48	59.4	0.024	1440.2
45.0	-1.84	-1.84	34.13	27.48	59.3	0.027	1440.3
50.0	-1.84	-1.84	34.14	27.48	58.5	0.030	1440.4
55.0	-1.78	-1.79	34.12	27.46	60.6	0.033	1440.7
60.0	-1.33	-1.33	34.13	27.46	61.2	0.036	1442.9
65.0	-0.91	-0.91	34.26	27.55	52.4	0.039	1445.1
70.0	-0.58	-0.58	34.31	27.57	50.2	0.042	1446.8
75.0	-0.27	-0.28	34.38	27.62	46.1	0.044	1448.4
80.0	-0.06	-0.07	34.45	27.66	41.9	0.046	1449.6
85.0	0.14	0.14	34.50	27.69	39.3	0.048	1450.7
90.0	0.29	0.29	34.54	27.72	36.5	0.050	1451.5
95.0	0.38	0.38	34.57	27.74	34.7	0.052	1452.0
100.0	0.49	0.49	34.58	27.74	34.6	0.054	1452.6
110.0	0.75	0.75	34.65	27.78	30.8	0.057	1454.1
120.0	0.91	0.90	34.68	27.80	29.5	0.060	1455.0
130.0	1.11	1.10	34.70	27.84	25.1	0.063	1456.1
140.0	1.48	1.47	34.79	27.82	27.9	0.065	1457.9
150.0	1.81	1.80	34.82	27.84	25.8	0.068	1459.6
160.0	2.01	2.00	34.86	27.86	24.3	0.071	1460.7
170.0	2.13	2.13	34.91	27.89	21.5	0.073	1461.5
180.0	2.10	2.09	34.89	27.88	22.7	0.075	1461.5
190.0	2.11	2.10	34.92	27.90	20.5	0.077	1461.8
200.0	1.99	1.98	34.89	27.89	21.9	0.080	1461.4
210.0	2.13	2.12	34.92	27.90	20.9	0.082	1462.2
220.0	2.13	2.12	34.94	27.91	19.8	0.084	1462.4
230.0	2.09	2.08	34.94	27.92	19.3	0.086	1462.4
240.0	2.09	2.07	34.93	27.91	20.2	0.088	1462.5
250.0	2.09	2.07	34.94	27.92	19.4	0.090	1462.7
260.0	2.15	2.13	34.93	27.90	20.6	0.092	1463.1
270.0	2.19	2.17	34.93	27.90	20.7	0.094	1463.5
280.0	2.19	2.18	34.96	27.92	18.7	0.096	1463.7
290.0	2.14	2.13	34.96	27.93	18.5	0.098	1463.6
300.0	2.09	2.07	34.95	27.92	18.9	0.100	1463.6
310.0	2.09	2.08	34.96	27.93	18.3	0.102	1463.7
320.0	2.05	2.03	34.95	27.93	18.2	0.103	1463.7
330.0	2.02	2.00	34.98	27.94	17.7	0.105	1463.7
340.0	1.98	1.96	34.95	27.93	18.0	0.107	1463.7
350.0	1.91	1.90	34.95	27.94	17.7	0.109	1463.6
360.0	1.91	1.89	34.95	27.93	18.0	0.111	1463.8
370.0	1.87	1.85	34.95	27.94	17.4	0.112	1463.7
380.0	1.84	1.81	34.95	27.94	17.4	0.114	1463.8
390.0	1.81	1.79	34.94	27.94	17.4	0.116	1463.8
400.0	1.73	1.71	34.94	27.94	17.2	0.118	1463.6
410.0	1.68	1.66	34.93	27.94	17.3	0.119	1463.6
420.0	1.63	1.61	34.93	27.94	17.2	0.121	1463.5
430.0	1.64	1.62	34.92	27.94	17.7	0.123	1463.7
440.0	1.62	1.60	34.95	27.96	15.6	0.125	1463.8
450.0	1.55	1.52	34.94	27.96	16.0	0.126	1463.6
460.0	1.51	1.49	34.93	27.95	16.2	0.128	1463.6
470.0	1.46	1.43	34.93	27.96	15.8	0.130	1463.6
480.0	1.41	1.38	34.92	27.96	16.0	0.131	1463.5
490.0	1.31	1.28	34.92	27.96	15.2	0.133	1463.2
496.0	1.26	1.23	34.91	27.96	15.6	0.134	1463.1

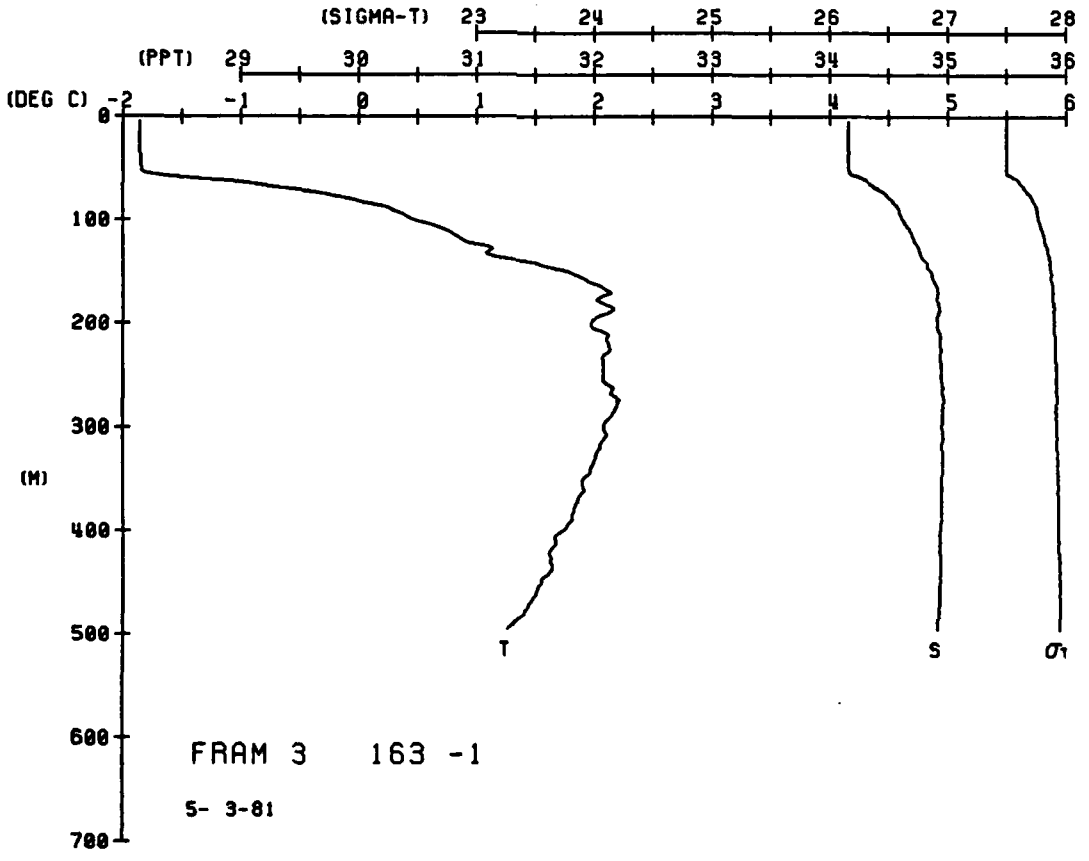
FRAM 3 STATION 163(1) CTD 3/MAY/1981 1204 GMT CODE = 5
LAT = 81.8052N LNG = 4.7558E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.16	27.50	57.3	0.000	1439.5
4.0	-1.86	-1.86	34.16	27.50	57.3	0.002	1439.6
5.0	-1.86	-1.86	34.16	27.50	57.3	0.003	1439.6
10.0	-1.86	-1.86	34.16	27.50	57.2	0.006	1439.7
15.0	-1.86	-1.86	34.16	27.50	57.2	0.009	1439.7
20.0	-1.86	-1.86	34.16	27.50	57.1	0.012	1439.8
25.0	-1.86	-1.86	34.16	27.50	57.1	0.014	1439.9
30.0	-1.86	-1.86	34.16	27.50	57.1	0.017	1440.0
35.0	-1.86	-1.86	34.16	27.50	57.0	0.020	1440.1
40.0	-1.85	-1.85	34.16	27.50	57.3	0.023	1440.2
45.0	-1.85	-1.85	34.16	27.50	57.1	0.026	1440.3
50.0	-1.85	-1.85	34.16	27.50	57.1	0.029	1440.4
55.0	-1.80	-1.80	34.17	27.51	56.2	0.032	1440.7
60.0	-1.35	-1.36	34.28	27.59	49.0	0.034	1443.0
65.0	-0.91	-0.91	34.35	27.62	45.8	0.037	1445.3
70.0	-0.58	-0.58	34.42	27.66	41.7	0.039	1447.0
75.0	-0.28	-0.28	34.48	27.70	38.2	0.041	1448.6
80.0	-0.05	-0.06	34.53	27.73	35.9	0.043	1449.7
85.0	0.14	0.14	34.57	27.75	33.6	0.045	1450.8
90.0	0.29	0.29	34.59	27.76	32.8	0.046	1451.5
95.0	0.38	0.38	34.61	27.77	32.0	0.048	1452.1
100.0	0.48	0.47	34.63	27.78	31.0	0.050	1452.6
110.0	0.74	0.74	34.68	27.81	29.4	0.053	1454.1
120.0	0.89	0.88	34.72	27.83	26.7	0.055	1454.9
130.0	1.11	1.11	34.77	27.85	24.6	0.058	1456.2
140.0	1.43	1.42	34.82	27.87	22.4	0.060	1457.8
150.0	1.79	1.78	34.86	27.88	22.2	0.063	1459.6
160.0	1.98	1.97	34.90	27.89	21.2	0.065	1460.7
170.0	2.15	2.14	34.92	27.90	20.8	0.067	1461.6
180.0	2.08	2.07	34.92	27.90	20.2	0.069	1461.5
190.0	2.11	2.10	34.93	27.90	20.1	0.071	1461.8
200.0	1.98	1.97	34.92	27.91	19.9	0.073	1461.4
210.0	2.12	2.11	34.94	27.92	19.2	0.075	1462.2
220.0	2.13	2.12	34.95	27.92	19.0	0.077	1462.4
230.0	2.09	2.08	34.94	27.92	18.9	0.079	1462.4
240.0	2.08	2.07	34.95	27.92	18.7	0.081	1462.5
250.0	2.08	2.07	34.95	27.93	18.5	0.083	1462.7
260.0	2.14	2.13	34.97	27.93	17.8	0.084	1463.2
270.0	2.18	2.16	34.97	27.93	18.1	0.086	1463.5
280.0	2.19	2.18	34.97	27.93	18.3	0.088	1463.7
290.0	2.14	2.13	34.96	27.93	18.2	0.090	1463.6
300.0	2.09	2.07	34.96	27.93	18.1	0.092	1463.5
310.0	2.09	2.07	34.97	27.94	17.6	0.094	1463.8
320.0	2.05	2.03	34.96	27.94	17.8	0.095	1463.7
330.0	2.02	2.00	34.96	27.94	17.5	0.097	1463.7
340.0	1.98	1.96	34.96	27.94	17.0	0.099	1463.7
350.0	1.91	1.89	34.96	27.94	17.1	0.101	1463.6
360.0	1.91	1.89	34.96	27.95	16.9	0.102	1463.8
370.0	1.87	1.84	34.96	27.95	16.5	0.104	1463.7
380.0	1.83	1.81	34.95	27.95	16.7	0.106	1463.8
390.0	1.81	1.79	34.95	27.95	16.6	0.107	1463.8
400.0	1.73	1.71	34.94	27.95	16.7	0.109	1463.6
410.0	1.67	1.65	34.95	27.96	16.0	0.111	1463.6
420.0	1.63	1.60	34.94	27.96	16.0	0.112	1463.5
430.0	1.64	1.61	34.95	27.96	15.6	0.114	1463.7
440.0	1.62	1.60	34.95	27.96	15.6	0.116	1463.8
450.0	1.55	1.52	34.94	27.96	15.7	0.117	1463.6
460.0	1.51	1.49	34.94	27.96	15.6	0.119	1463.6
470.0	1.45	1.43	34.94	27.97	15.1	0.120	1463.6
480.0	1.40	1.38	34.93	27.96	15.2	0.122	1463.5
490.0	1.31	1.28	34.92	27.96	15.1	0.123	1463.2
495.1	1.26	1.24	34.92	27.97	14.8	0.124	1463.1



FRAM 3 162 -1

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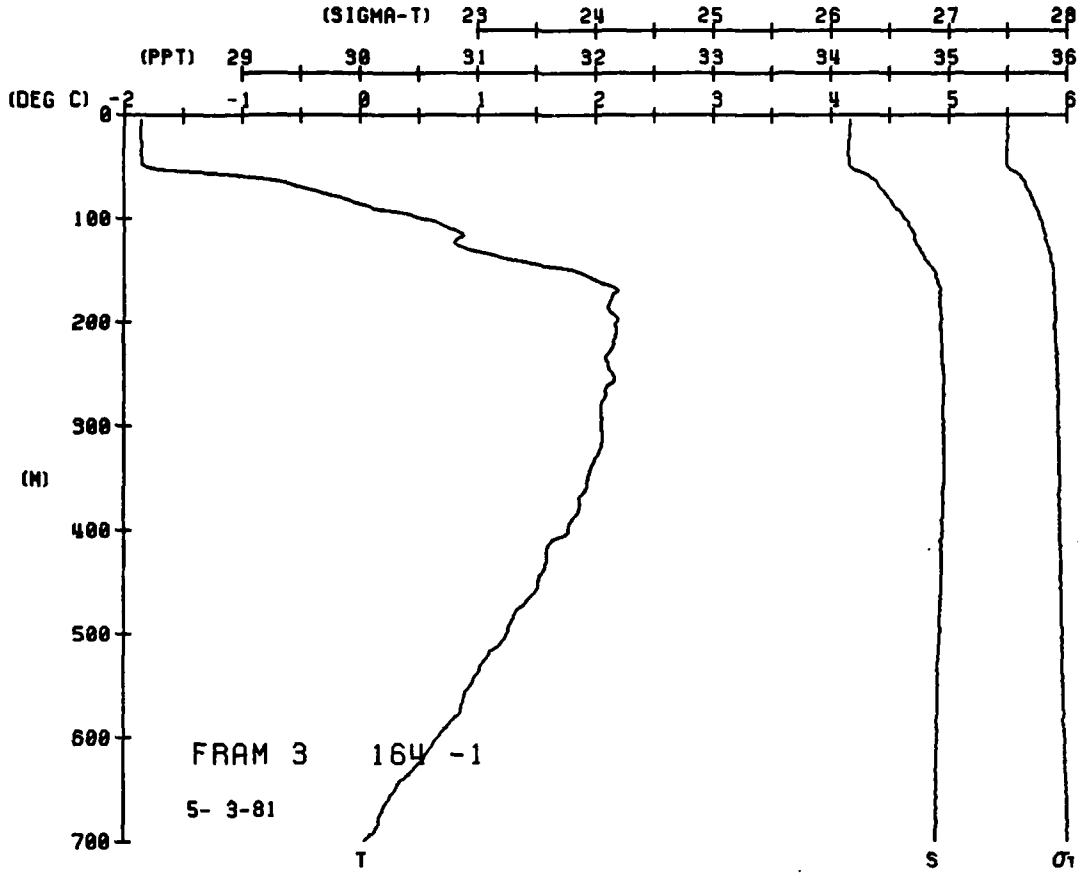


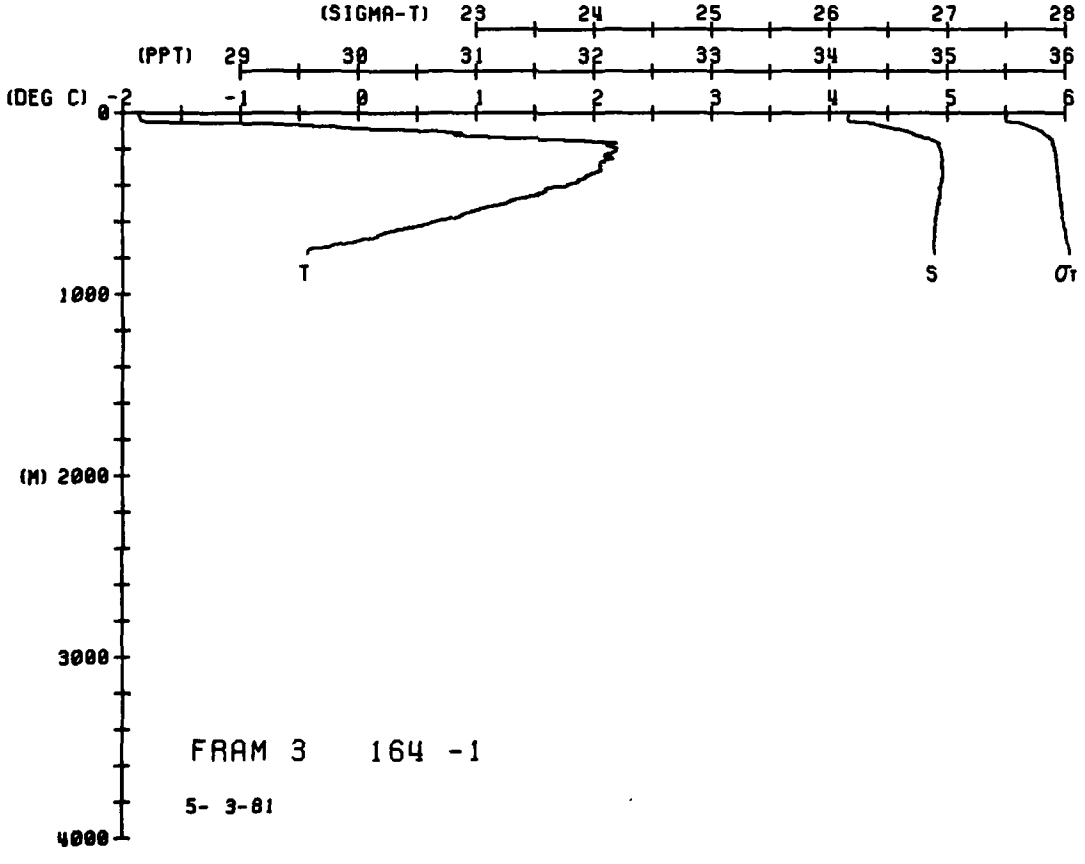
FRAM 3 163 -1

5- 3-81

FRAM 3 STATION 164(1) CTD 3/MAY/1981 1503 GMT CODE = 5
LAT = 81.8072N LNG = 4.7142E UTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

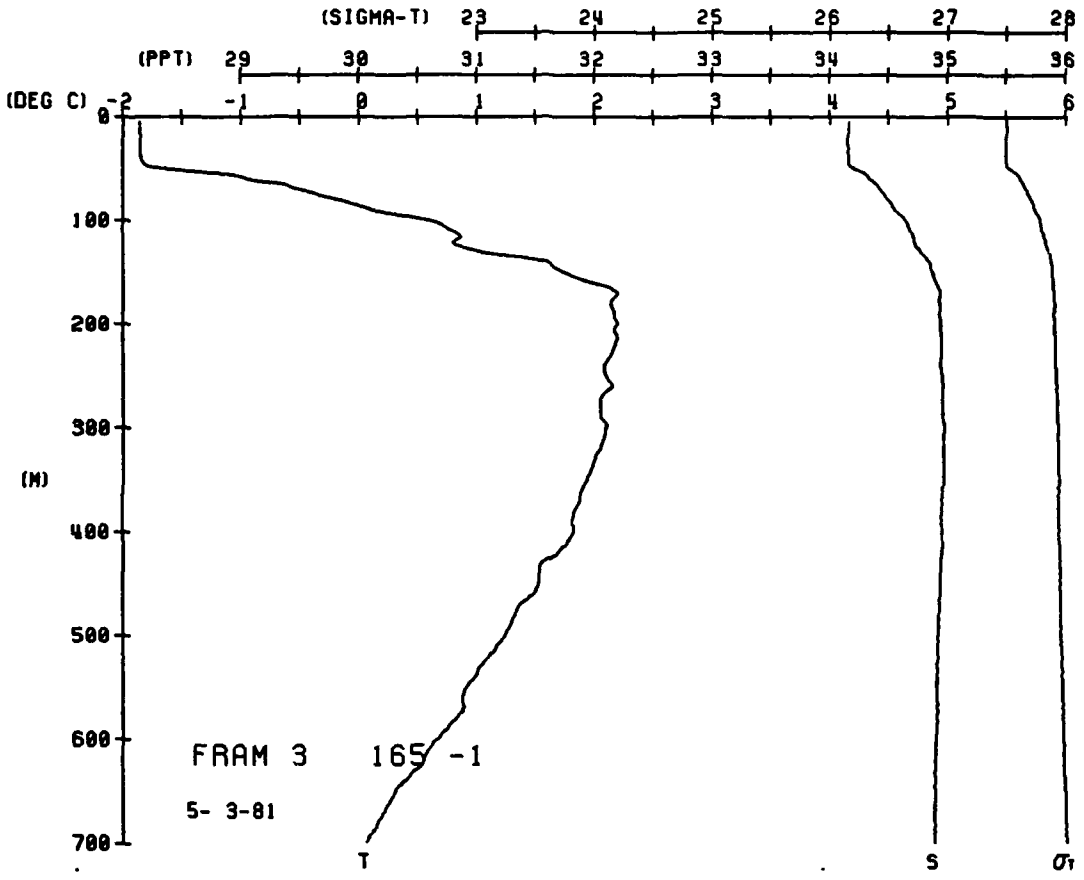
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.16	27.50	57.2	0.000	1439.5
4.0	-1.86	-1.86	34.16	27.50	57.2	0.002	1439.6
5.0	-1.86	-1.86	34.16	27.50	57.1	0.003	1439.6
10.0	-1.86	-1.86	34.16	27.50	57.1	0.006	1439.7
15.0	-1.86	-1.86	34.16	27.50	57.1	0.009	1439.7
20.0	-1.86	-1.86	34.16	27.50	57.0	0.012	1439.8
25.0	-1.85	-1.85	34.16	27.50	57.2	0.014	1439.9
30.0	-1.85	-1.85	34.16	27.50	57.1	0.017	1440.0
35.0	-1.85	-1.85	34.16	27.50	57.1	0.020	1440.1
40.0	-1.85	-1.85	34.16	27.50	57.0	0.023	1440.2
45.0	-1.84	-1.84	34.16	27.50	56.9	0.026	1440.3
50.0	-1.80	-1.81	34.18	27.51	56.0	0.029	1440.6
55.0	-1.43	-1.43	34.27	27.57	50.1	0.032	1442.6
60.0	-0.92	-0.92	34.35	27.62	45.5	0.034	1445.1
65.0	-0.64	-0.65	34.40	27.65	42.7	0.036	1446.6
70.0	-0.48	-0.48	34.43	27.67	41.2	0.038	1447.5
75.0	-0.32	-0.32	34.47	27.69	38.8	0.040	1448.3
80.0	-0.15	-0.16	34.50	27.71	37.2	0.042	1449.2
85.0	-0.01	-0.01	34.54	27.73	35.4	0.044	1450.0
90.0	0.13	0.13	34.57	27.75	33.5	0.046	1450.8
95.0	0.40	0.39	34.61	27.77	31.8	0.047	1452.1
100.0	0.54	0.54	34.64	27.78	30.7	0.049	1452.9
110.0	0.77	0.77	34.68	27.81	28.5	0.052	1454.2
120.0	0.83	0.82	34.72	27.83	26.4	0.055	1454.7
130.0	0.95	0.94	34.76	27.86	23.7	0.057	1455.4
140.0	1.31	1.30	34.81	27.87	22.5	0.060	1457.2
150.0	1.83	1.82	34.88	27.89	21.0	0.062	1459.8
160.0	2.02	2.01	34.91	27.90	20.6	0.064	1460.9
170.0	2.20	2.19	34.93	27.90	20.6	0.066	1461.9
180.0	2.13	2.12	34.93	27.91	19.9	0.068	1461.7
190.0	2.14	2.13	34.94	27.91	19.7	0.070	1461.9
200.0	2.19	2.18	34.94	27.91	19.6	0.072	1462.3
210.0	2.19	2.18	34.95	27.92	19.3	0.074	1462.5
220.0	2.17	2.16	34.95	27.92	19.1	0.076	1462.6
230.0	2.11	2.10	34.95	27.92	18.8	0.078	1462.5
240.0	2.11	2.10	34.95	27.93	18.4	0.080	1462.7
250.0	2.15	2.14	34.96	27.93	18.0	0.082	1463.0
260.0	2.13	2.12	34.96	27.93	18.3	0.083	1463.1
270.0	2.09	2.08	34.96	27.93	17.7	0.085	1463.1
280.0	2.06	2.04	34.96	27.93	18.0	0.087	1463.1
290.0	2.06	2.04	34.96	27.94	17.7	0.089	1463.3
300.0	2.06	2.04	34.96	27.94	17.5	0.091	1463.4
310.0	2.07	2.05	34.96	27.94	17.6	0.093	1463.6
320.0	2.05	2.03	34.97	27.94	17.3	0.094	1463.7
330.0	2.01	1.99	34.96	27.94	17.4	0.096	1463.7
340.0	1.97	1.95	34.96	27.94	17.1	0.098	1463.7
350.0	1.94	1.93	34.96	27.94	17.1	0.099	1463.8
360.0	1.93	1.91	34.96	27.94	17.2	0.101	1463.9
370.0	1.87	1.85	34.96	27.95	16.7	0.103	1463.8
380.0	1.87	1.84	34.96	27.95	16.7	0.105	1463.9
390.0	1.81	1.79	34.95	27.95	17.0	0.106	1463.8
400.0	1.78	1.76	34.95	27.95	16.5	0.108	1463.9
410.0	1.64	1.62	34.94	27.95	16.6	0.110	1463.4
420.0	1.59	1.57	34.94	27.95	16.0	0.111	1463.3
430.0	1.59	1.57	34.94	27.96	16.0	0.113	1463.5
440.0	1.56	1.54	34.94	27.96	15.9	0.115	1463.5
450.0	1.52	1.50	34.94	27.96	15.5	0.116	1463.5
460.0	1.50	1.47	34.94	27.96	15.2	0.118	1463.6
470.0	1.42	1.39	34.93	27.96	15.3	0.119	1463.4
480.0	1.33	1.30	34.93	27.97	14.9	0.121	1463.1
490.0	1.29	1.26	34.93	27.97	14.7	0.122	1463.1
500.0	1.25	1.23	34.93	27.97	14.5	0.124	1463.2
530.0	1.03	1.01	34.92	27.98	13.7	0.128	1462.7
560.0	0.89	0.87	34.91	27.98	13.2	0.132	1462.5
590.0	0.75	0.72	34.91	27.99	12.4	0.136	1462.4
620.0	0.55	0.52	34.90	28.00	11.3	0.140	1461.9
650.0	0.30	0.28	34.90	28.01	9.8	0.143	1461.4
680.0	0.17	0.13	34.90	28.02	8.8	0.146	1461.2
710.0	-0.03	-0.06	34.89	28.02	8.0	0.148	1460.8
740.0	-0.24	-0.28	34.89	28.03	6.5	0.150	1460.3
776.2	-0.43	-0.46	34.89	28.04	5.0	0.153	1460.1

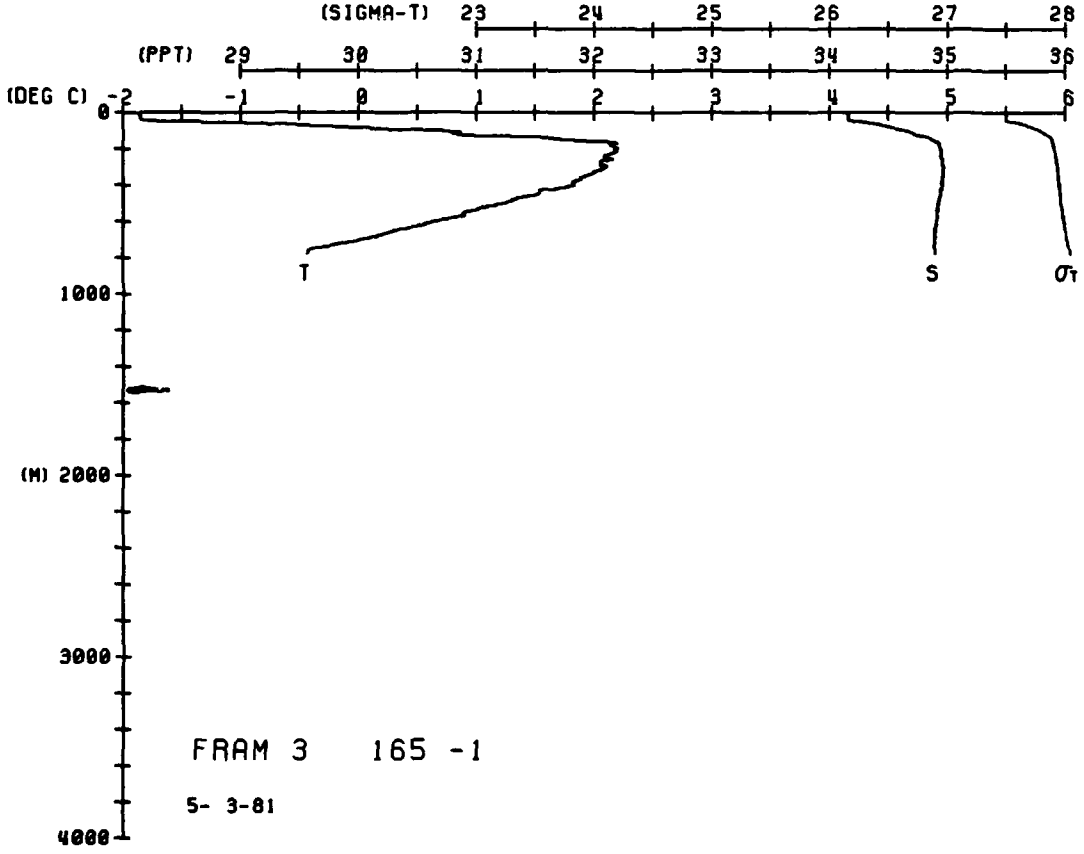

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
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FRAM 3 164 -1
5- 3-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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FRAM 3 164 -1
5- 3-81

FRAM 3 STATION 165(1) CTD 3/MAY/1981 1531 GMT CODE = 5
LAT = 81.8072N LNG = 4.7056E WTER = 30. LOGR = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

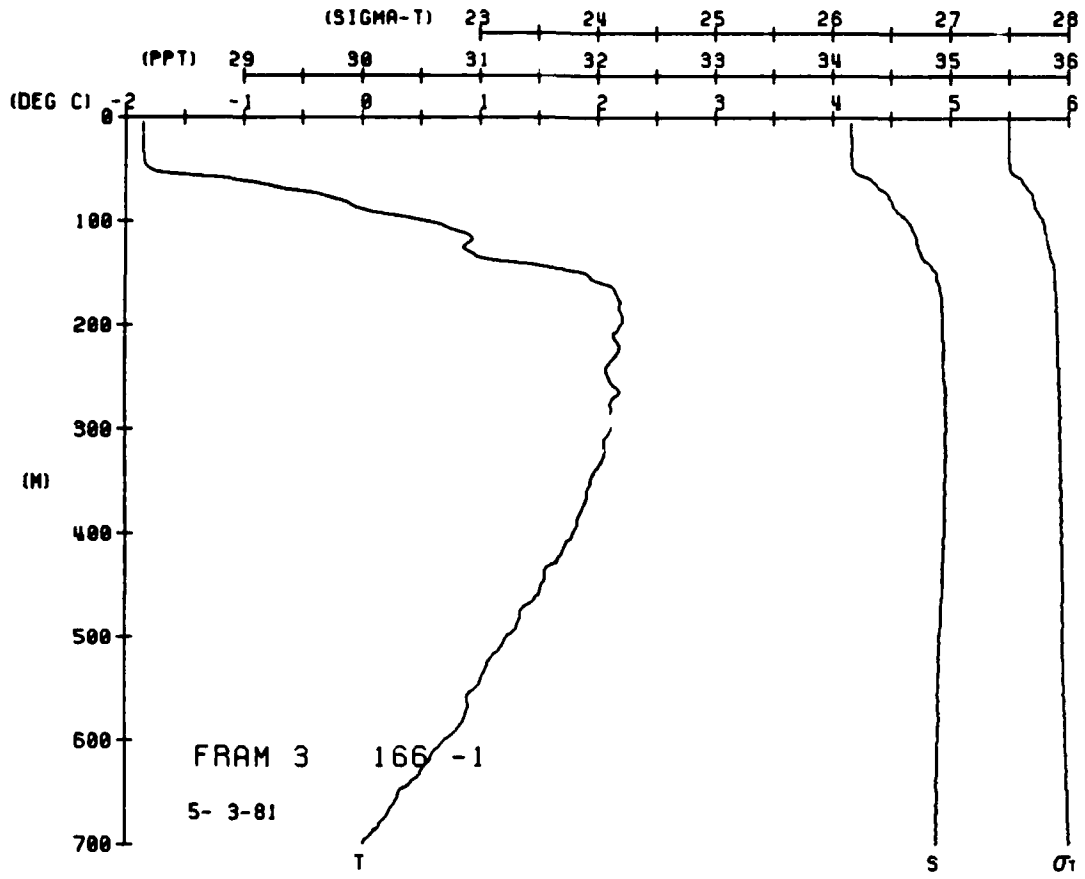
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.16	27.50	57.2	0.000	1439.5
4.0	-1.86	-1.86	34.16	27.50	57.2	0.002	1439.6
5.0	-1.86	-1.86	34.16	27.50	57.1	0.003	1439.6
10.0	-1.86	-1.86	34.16	27.50	57.1	0.006	1439.7
15.0	-1.86	-1.86	34.17	27.50	56.9	0.009	1439.7
20.0	-1.85	-1.85	34.16	27.50	57.2	0.012	1439.8
25.0	-1.85	-1.85	34.16	27.50	57.2	0.014	1439.9
30.0	-1.85	-1.85	34.16	27.50	57.1	0.017	1440.0
35.0	-1.85	-1.85	34.16	27.50	57.0	0.020	1440.1
40.0	-1.84	-1.84	34.17	27.50	56.8	0.023	1440.2
45.0	-1.82	-1.82	34.17	27.51	56.6	0.026	1440.4
50.0	-1.68	-1.69	34.21	27.53	53.9	0.029	1441.2
55.0	-1.16	-1.16	34.31	27.60	47.6	0.031	1443.9
60.0	-0.94	-0.94	34.35	27.62	45.8	0.034	1445.1
65.0	-0.67	-0.68	34.40	27.65	42.8	0.036	1446.4
70.0	-0.50	-0.50	34.43	27.67	40.8	0.038	1447.4
75.0	-0.35	-0.35	34.47	27.69	39.0	0.040	1448.2
80.0	-0.18	-0.19	34.50	27.71	37.1	0.042	1449.1
85.0	-0.02	-0.03	34.53	27.73	35.4	0.044	1450.0
90.0	0.13	0.13	34.56	27.75	34.0	0.046	1450.8
95.0	0.35	0.35	34.61	27.77	31.4	0.047	1451.9
100.0	0.60	0.59	34.65	27.79	30.0	0.049	1453.2
110.0	0.79	0.79	34.69	27.81	28.1	0.052	1454.3
120.0	0.82	0.82	34.72	27.83	26.3	0.054	1454.6
130.0	1.05	1.04	34.78	27.86	23.4	0.057	1455.9
140.0	1.61	1.60	34.85	27.88	21.7	0.059	1458.6
150.0	1.75	1.75	34.87	27.89	21.4	0.061	1459.5
160.0	2.00	1.99	34.91	27.90	20.6	0.064	1460.8
170.0	2.20	2.19	34.93	27.90	20.5	0.066	1461.9
180.0	2.14	2.13	34.93	27.91	19.8	0.068	1461.8
190.0	2.17	2.16	34.94	27.91	19.9	0.070	1462.1
200.0	2.20	2.19	34.95	27.91	19.5	0.072	1462.4
210.0	2.20	2.18	34.95	27.91	19.3	0.074	1462.5
220.0	2.18	2.17	34.95	27.92	19.1	0.076	1462.6
230.0	2.14	2.13	34.95	27.92	18.9	0.077	1462.6
240.0	2.09	2.08	34.94	27.92	19.0	0.079	1462.6
250.0	2.11	2.10	34.95	27.93	18.4	0.081	1462.8
260.0	2.16	2.15	34.97	27.93	18.1	0.083	1463.2
270.0	2.07	2.05	34.96	27.93	18.0	0.085	1463.0
280.0	2.06	2.04	34.96	27.93	17.7	0.087	1463.1
290.0	2.06	2.05	34.96	27.93	17.8	0.089	1463.3
300.0	2.11	2.09	34.97	27.94	17.5	0.090	1463.6
310.0	2.08	2.06	34.97	27.94	17.7	0.092	1463.7
320.0	2.05	2.03	34.97	27.94	17.3	0.094	1463.7
330.0	2.01	1.99	34.96	27.94	17.5	0.096	1463.7
340.0	1.98	1.96	34.96	27.94	17.3	0.097	1463.7
350.0	1.93	1.92	34.96	27.95	16.8	0.099	1463.7
360.0	1.89	1.87	34.96	27.95	16.7	0.101	1463.7
370.0	1.88	1.86	34.96	27.95	16.7	0.103	1463.8
380.0	1.84	1.82	34.96	27.95	16.5	0.104	1463.8
390.0	1.82	1.80	34.95	27.95	16.8	0.106	1463.9
400.0	1.83	1.81	34.96	27.95	16.5	0.108	1464.1
410.0	1.78	1.76	34.96	27.95	16.4	0.109	1464.0
420.0	1.70	1.67	34.95	27.96	15.8	0.111	1463.8
430.0	1.55	1.53	34.94	27.96	15.6	0.112	1463.3
440.0	1.54	1.52	34.94	27.96	15.4	0.114	1463.4
450.0	1.53	1.51	34.94	27.96	15.3	0.116	1463.6
460.0	1.49	1.46	34.94	27.96	15.1	0.117	1463.5
470.0	1.37	1.35	34.94	27.97	14.8	0.119	1463.2
480.0	1.34	1.31	34.93	27.97	15.0	0.120	1463.2
490.0	1.30	1.27	34.93	27.97	14.6	0.122	1463.2
500.0	1.25	1.22	34.92	27.97	14.8	0.123	1463.1
530.0	1.03	1.00	34.92	27.98	13.5	0.127	1462.6
560.0	0.89	0.86	34.91	27.98	13.1	0.132	1462.5
590.0	0.75	0.73	34.91	27.99	12.1	0.135	1462.4
620.0	0.56	0.53	34.90	28.00	11.3	0.139	1462.0
650.0	0.31	0.29	34.90	28.01	9.6	0.142	1461.4
680.0	0.17	0.14	34.90	28.02	8.8	0.145	1461.2
710.0	-0.01	-0.05	34.90	28.02	7.6	0.147	1460.9
740.0	-0.25	-0.28	34.89	28.03	6.2	0.149	1460.3
778.1	-0.43	-0.46	34.90	28.05	4.7	0.152	1460.1


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
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FRAM 3 165 -1
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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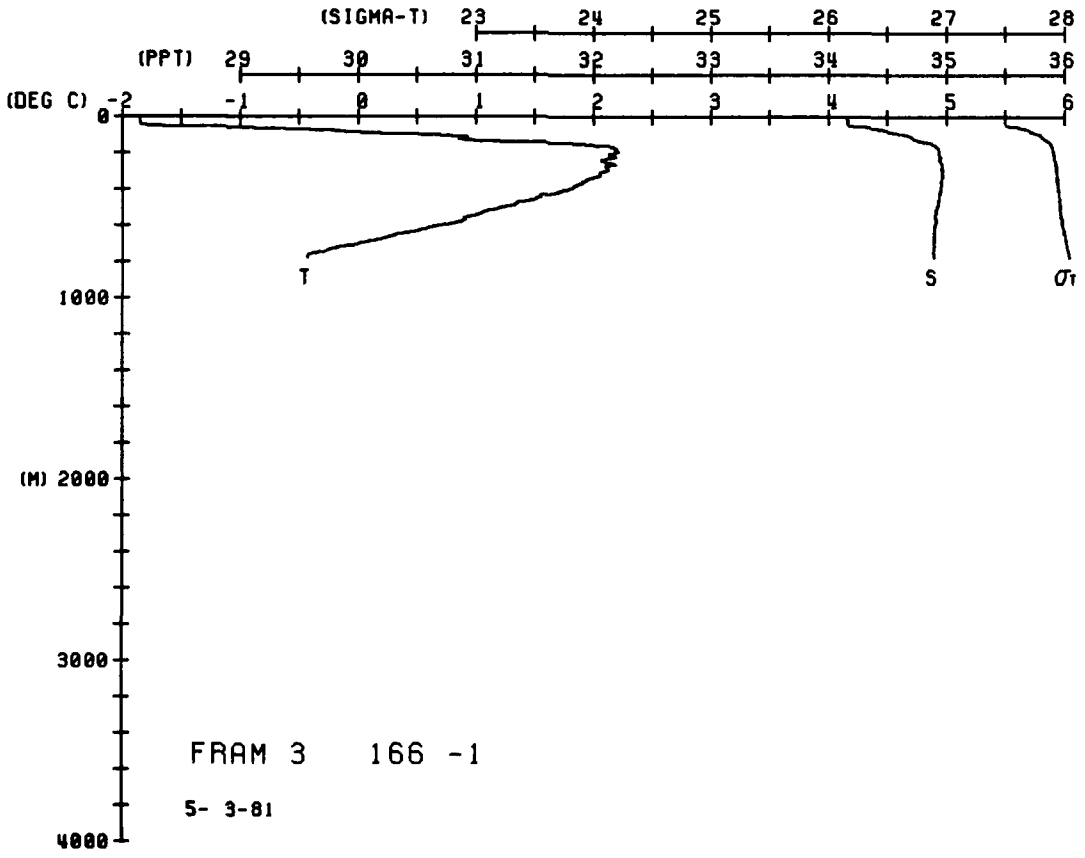
PRAM 3 STATION 166(1) CTD 3/MAY/1981 1602 GMT CODE = 5
LAT = 81.6070N LNG = 4.6980E LEVER = 30. AGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND	DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.16	27.50	57.3	0.000	1439.5	710.0	-0.05	-0.08	34.90	28.03	7.3	0.148	1460.7
4.0	-1.85	-1.85	34.16	27.50	57.3	0.002	1439.6	740.0	-0.27	-0.30	34.89	28.04	6.1	0.150	1460.2
5.0	-1.85	-1.85	34.16	27.50	57.3	0.003	1439.6	778.1	-0.43	-0.46	34.90	28.04	4.9	0.152	1460.1
10.0	-1.85	-1.85	34.16	27.50	57.2	0.006	1439.7								
15.0	-1.85	-1.85	34.16	27.50	57.2	0.009	1439.8								
20.0	-1.85	-1.85	34.16	27.50	57.2	0.012	1439.8								
25.0	-1.85	-1.85	34.16	27.50	57.0	0.014	1439.9								
30.0	-1.85	-1.85	34.17	27.50	56.9	0.017	1440.0								
35.0	-1.85	-1.85	34.16	27.50	57.1	0.020	1440.1								
40.0	-1.84	-1.84	34.16	27.50	57.1	0.023	1440.2								
45.0	-1.83	-1.83	34.17	27.51	56.6	0.026	1440.4								
50.0	-1.79	-1.79	34.18	27.51	55.7	0.029	1440.7								
55.0	-1.54	-1.54	34.23	27.55	52.4	0.032	1442.0								
60.0	-1.06	-1.06	34.33	27.61	46.4	0.034	1444.5								
65.0	-0.81	-0.81	34.38	27.64	43.8	0.036	1445.8								
70.0	-0.57	-0.57	34.43	27.68	40.5	0.038	1447.1								
75.0	-0.32	-0.32	34.48	27.70	38.3	0.040	1448.3								
80.0	-0.17	-0.17	34.50	27.71	37.0	0.042	1449.2								
85.0	-0.08	-0.08	34.52	27.72	36.0	0.044	1449.7								
90.0	0.06	0.06	34.56	27.75	34.1	0.046	1450.5								
95.0	0.31	0.30	34.61	27.77	31.7	0.048	1451.7								
100.0	0.56	0.56	34.65	27.79	29.8	0.049	1453.0								
110.0	0.83	0.82	34.69	27.81	28.3	0.052	1454.4								
120.0	0.91	0.90	34.72	27.83	26.8	0.055	1455.0								
130.0	0.93	0.92	34.75	27.85	24.5	0.057	1455.3								
140.0	1.33	1.33	34.82	27.88	22.1	0.060	1457.4								
150.0	1.89	1.88	34.89	27.89	21.2	0.062	1460.1								
160.0	2.06	2.05	34.92	27.90	20.5	0.064	1461.1								
170.0	2.16	2.15	34.93	27.90	20.0	0.066	1461.7								
180.0	2.19	2.18	34.94	27.91	19.9	0.068	1462.0								
190.0	2.21	2.20	34.94	27.91	19.7	0.070	1462.3								
200.0	2.19	2.18	34.94	27.91	19.6	0.072	1462.3								
210.0	2.13	2.12	34.94	27.92	19.1	0.074	1462.2								
220.0	2.19	2.17	34.95	27.92	19.0	0.076	1462.7								
230.0	2.15	2.13	34.95	27.92	19.1	0.078	1462.6								
240.0	2.08	2.06	34.95	27.92	18.6	0.080	1462.5								
250.0	2.10	2.09	34.95	27.93	18.4	0.082	1462.8								
260.0	2.16	2.15	34.96	27.93	18.2	0.084	1463.2								
270.0	2.13	2.12	34.96	27.93	18.0	0.086	1463.3								
280.0	2.12	2.10	34.97	27.94	17.7	0.087	1463.4								
290.0	2.13	2.11	34.97	27.93	17.8	0.089	1463.6								
300.0	2.12	2.10	34.97	27.94	17.3	0.091	1463.7								
310.0	2.06	2.04	34.96	27.94	17.6	0.093	1463.6								
320.0	2.06	2.05	34.97	27.94	17.2	0.094	1463.8								
330.0	2.04	2.02	34.96	27.94	17.4	0.096	1463.9								
340.0	1.98	1.96	34.96	27.94	17.3	0.098	1463.8								
350.0	1.95	1.93	34.96	27.95	17.0	0.100	1463.8								
360.0	1.91	1.89	34.96	27.95	16.7	0.101	1463.8								
370.0	1.90	1.88	34.96	27.95	16.7	0.103	1463.9								
380.0	1.86	1.84	34.96	27.95	16.7	0.105	1463.9								
390.0	1.84	1.81	34.96	27.95	16.5	0.106	1463.9								
400.0	1.80	1.77	34.96	27.95	16.3	0.108	1463.9								
410.0	1.73	1.71	34.95	27.95	16.3	0.110	1463.8								
420.0	1.69	1.67	34.95	27.96	16.0	0.111	1463.8								
430.0	1.62	1.60	34.94	27.96	16.0	0.113	1463.6								
440.0	1.55	1.53	34.94	27.96	15.8	0.115	1463.5								
450.0	1.52	1.50	34.94	27.96	15.3	0.116	1463.5								
460.0	1.49	1.47	34.94	27.96	15.2	0.118	1463.6								
470.0	1.40	1.38	34.93	27.96	15.4	0.119	1463.3								
480.0	1.36	1.33	34.93	27.97	15.0	0.121	1463.3								
490.0	1.33	1.30	34.93	27.97	15.0	0.122	1463.3								
500.0	1.24	1.21	34.92	27.97	14.6	0.124	1463.1								
530.0	1.06	1.03	34.92	27.98	13.8	0.128	1462.8								
560.0	0.90	0.87	34.92	27.98	12.8	0.132	1462.6								
590.0	0.81	0.78	34.91	27.98	12.7	0.136	1462.6								
620.0	0.57	0.54	34.90	28.00	11.2	0.140	1462.1								
650.0	0.32	0.29	34.90	28.01	9.6	0.143	1461.4								
680.0	0.16	0.13	34.90	28.02	8.8	0.146	1461.2								



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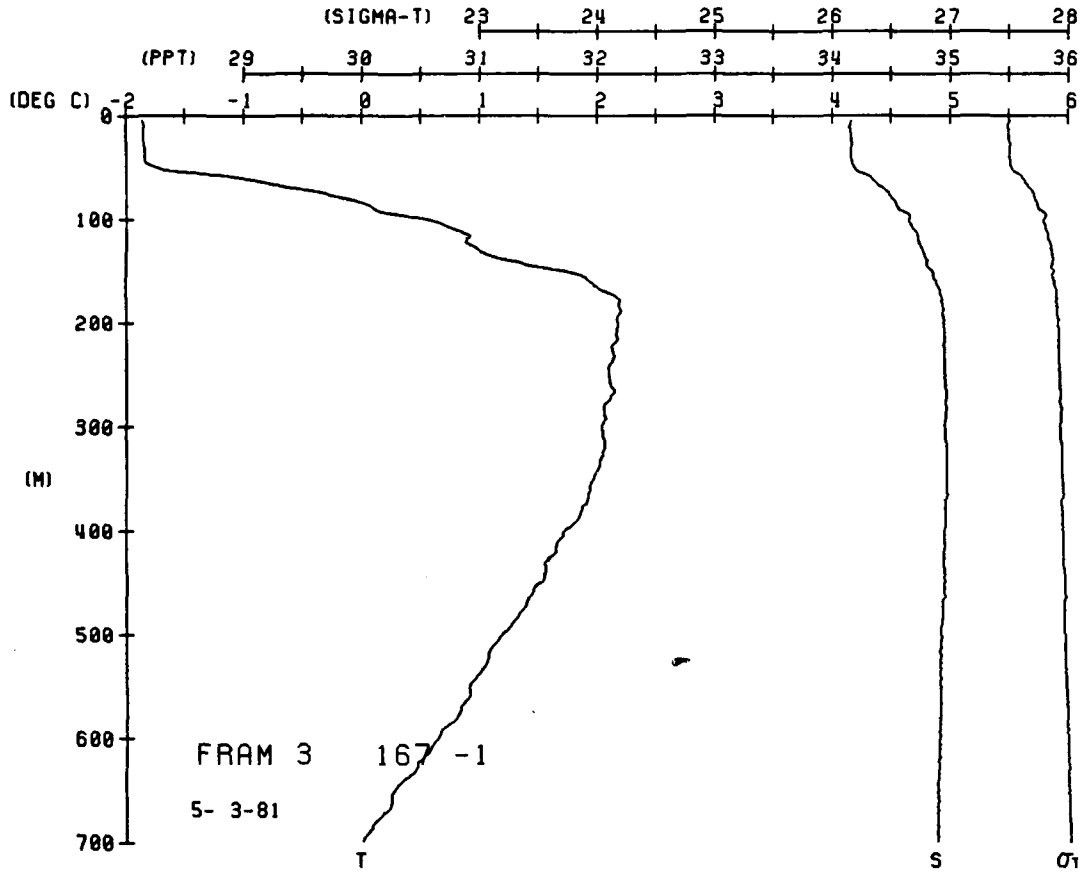


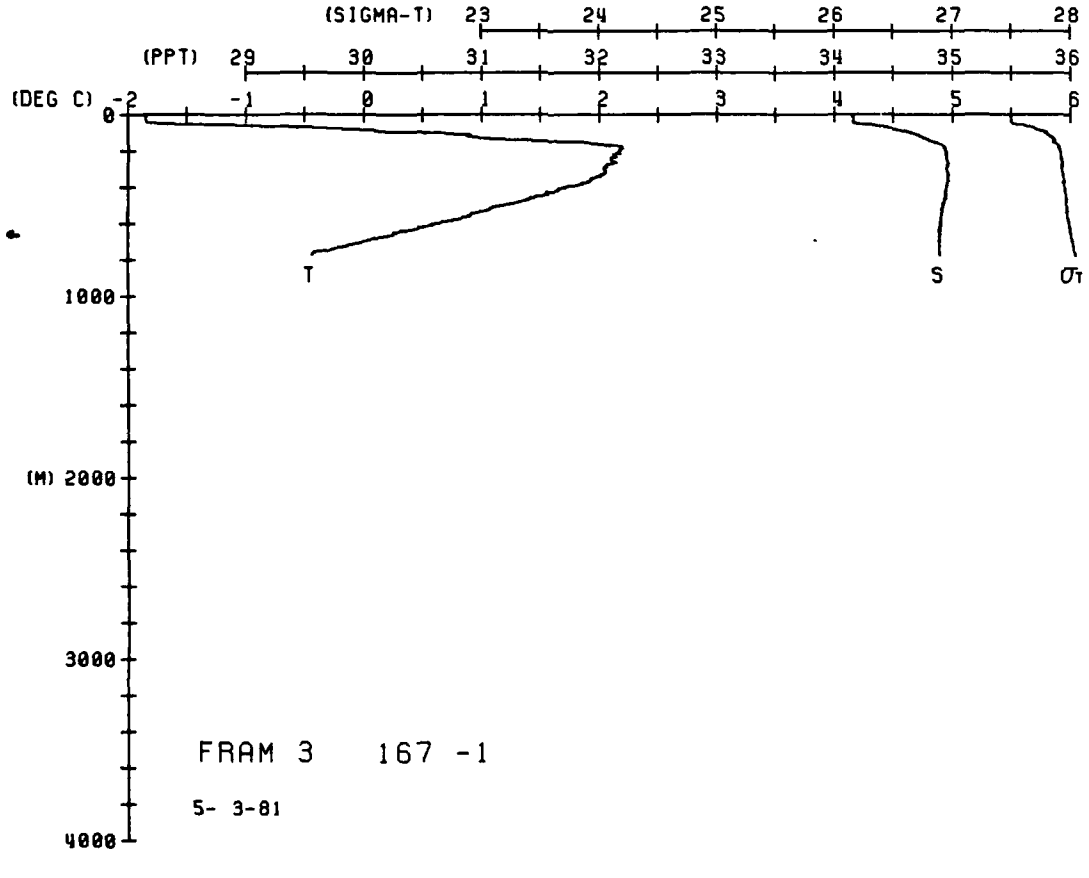
FRAM 3 166 -1

5- 3-81

FRAM 3 STATION 167(1) CTD 3/MAY/1981 1631 GMT CODE = 5
LAT = 81.8063N LNG = 4.6832E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

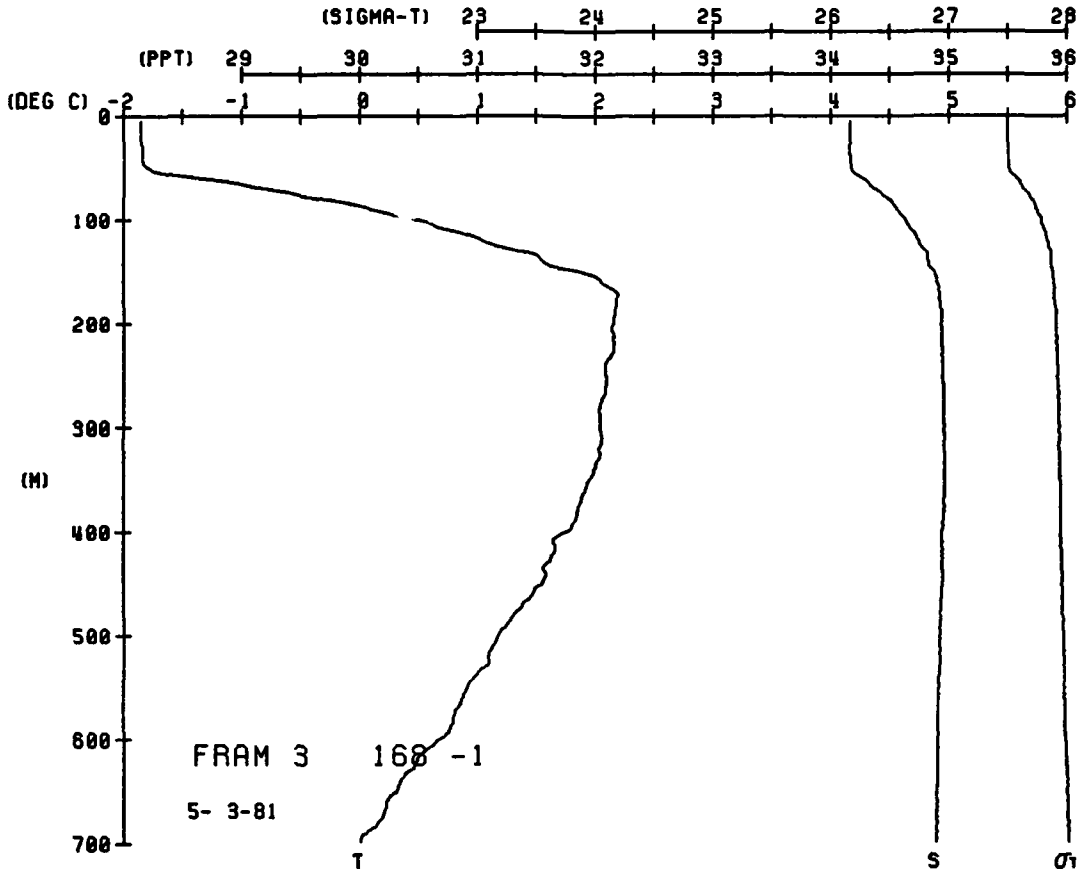
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.17	27.50	57.1	0.000	1439.5
4.0	-1.86	-1.86	34.17	27.50	57.0	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.50	56.9	0.003	1439.6
10.0	-1.85	-1.85	34.15	27.49	57.9	0.006	1439.7
15.0	-1.85	-1.85	34.16	27.50	57.3	0.009	1439.8
20.0	-1.85	-1.85	34.16	27.50	57.0	0.012	1439.8
25.0	-1.85	-1.85	34.16	27.50	57.0	0.014	1439.9
30.0	-1.85	-1.85	34.16	27.50	57.0	0.017	1440.0
35.0	-1.85	-1.85	34.15	27.50	57.2	0.020	1440.1
40.0	-1.84	-1.84	34.16	27.50	57.0	0.023	1440.2
45.0	-1.83	-1.83	34.17	27.51	56.4	0.026	1440.4
50.0	-1.74	-1.74	34.19	27.52	55.4	0.029	1440.9
55.0	-1.48	-1.48	34.24	27.56	51.9	0.032	1442.3
60.0	-1.03	-1.03	34.33	27.61	46.4	0.034	1444.6
65.0	-0.80	-0.80	34.37	27.64	44.2	0.036	1445.8
70.0	-0.59	-0.59	34.43	27.68	40.3	0.038	1446.9
75.0	-0.34	-0.34	34.48	27.70	37.9	0.040	1448.3
80.0	-0.14	-0.15	34.51	27.72	36.7	0.042	1449.3
85.0	0.02	0.02	34.54	27.74	34.9	0.044	1450.2
90.0	0.10	0.10	34.57	27.76	33.2	0.046	1450.7
95.0	0.28	0.27	34.65	27.81	28.4	0.047	1451.6
100.0	0.55	0.54	34.65	27.79	30.1	0.049	1453.0
110.0	0.79	0.78	34.70	27.81	27.8	0.052	1454.3
120.0	0.88	0.88	34.73	27.84	25.9	0.054	1454.9
130.0	1.00	1.00	34.77	27.86	23.9	0.057	1455.7
140.0	1.28	1.27	34.81	27.87	22.5	0.059	1457.1
150.0	1.74	1.73	34.86	27.88	22.3	0.062	1459.4
160.0	1.95	1.94	34.89	27.89	21.4	0.064	1460.6
170.0	2.08	2.07	34.92	27.90	20.4	0.066	1461.3
180.0	2.18	2.17	34.93	27.90	20.5	0.068	1462.0
190.0	2.19	2.18	34.94	27.90	20.1	0.070	1462.1
200.0	2.17	2.16	34.95	27.91	19.2	0.072	1462.3
210.0	2.16	2.15	34.95	27.92	19.0	0.074	1462.4
220.0	2.14	2.12	34.94	27.92	19.2	0.076	1462.4
230.0	2.14	2.13	34.95	27.92	19.0	0.078	1462.6
240.0	2.11	2.09	34.95	27.92	18.6	0.080	1462.6
250.0	2.10	2.09	34.95	27.93	18.3	0.082	1462.8
260.0	2.11	2.10	34.96	27.93	18.1	0.083	1463.0
270.0	2.12	2.10	34.96	27.93	17.8	0.085	1463.2
280.0	2.06	2.04	34.96	27.94	17.5	0.087	1463.1
290.0	2.07	2.05	34.96	27.93	17.6	0.089	1463.3
300.0	2.05	2.03	34.96	27.93	18.0	0.091	1463.4
310.0	2.05	2.04	34.95	27.93	18.3	0.093	1463.6
320.0	2.06	2.04	34.97	27.94	17.4	0.094	1463.8
330.0	2.03	2.01	34.96	27.94	17.4	0.096	1463.8
340.0	2.01	1.99	34.96	27.94	17.4	0.098	1463.9
350.0	1.96	1.94	34.96	27.95	17.0	0.100	1463.8
360.0	1.93	1.91	34.96	27.95	16.7	0.101	1463.9
370.0	1.91	1.89	34.96	27.95	16.8	0.103	1464.0
380.0	1.87	1.84	34.96	27.95	16.7	0.105	1463.9
390.0	1.82	1.80	34.96	27.95	16.5	0.106	1463.9
400.0	1.72	1.69	34.95	27.95	16.2	0.108	1463.6
410.0	1.67	1.64	34.95	27.96	15.7	0.110	1463.5
420.0	1.64	1.62	34.95	27.96	16.0	0.111	1463.6
430.0	1.56	1.54	34.94	27.96	15.6	0.113	1463.4
440.0	1.56	1.54	34.95	27.96	15.3	0.114	1463.5
450.0	1.51	1.49	34.94	27.96	15.2	0.116	1463.5
460.0	1.44	1.42	34.94	27.97	14.7	0.118	1463.3
470.0	1.40	1.37	34.94	27.97	14.8	0.119	1463.3
480.0	1.34	1.31	34.93	27.97	14.9	0.121	1463.2
490.0	1.27	1.25	34.93	27.97	14.7	0.122	1463.1
500.0	1.19	1.16	34.92	27.97	14.3	0.123	1462.9
530.0	1.04	1.02	34.91	27.97	14.0	0.128	1462.7
560.0	0.90	0.88	34.91	27.98	13.0	0.132	1462.6
590.0	0.70	0.67	34.91	27.99	11.9	0.136	1462.1
620.0	0.50	0.47	34.90	27.99	11.3	0.139	1461.7
650.0	0.27	0.25	34.90	28.01	9.7	0.142	1461.2
680.0	0.11	0.08	34.90	28.02	8.4	0.145	1461.0
710.0	-0.06	-0.09	34.90	28.03	7.4	0.148	1460.7
740.0	-0.25	-0.28	34.90	28.04	6.1	0.150	1460.3
779.1	-0.43	-0.46	34.90	28.04	4.9	0.152	1460.2

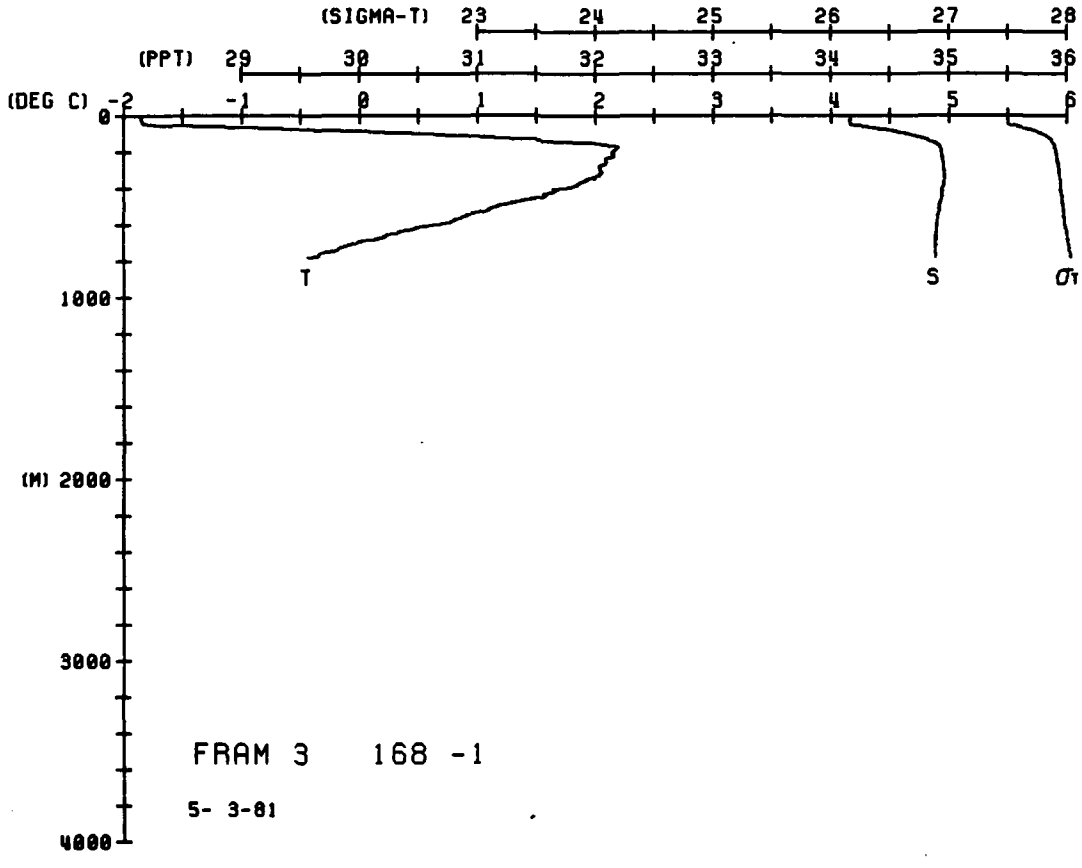

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 167 -1
5- 3-81
T
S
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
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FRAM 3 167 -1
5- 3-81

FRAM 3 STATION 168(1) CTD 3/MAY/1981 1700 GMT CODE = 5
LAT = 81.8060N LNG = 4.6778E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

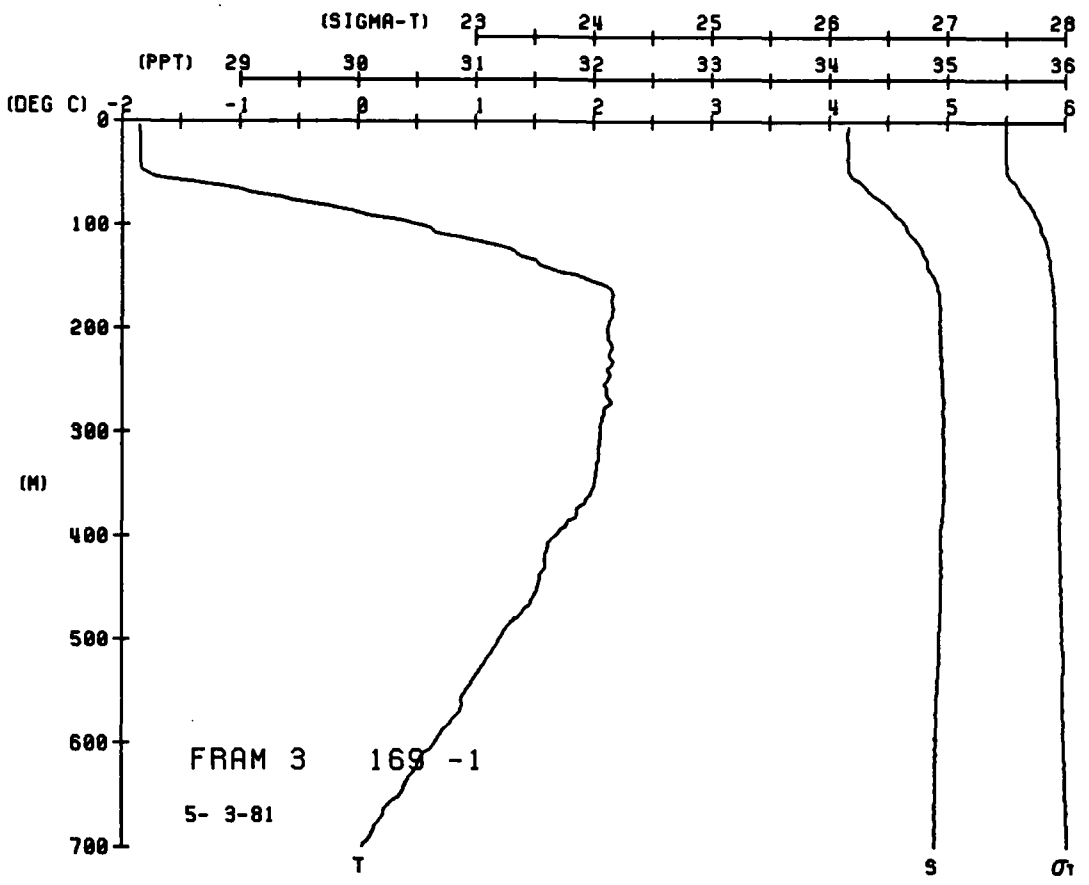
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.16	27.50	57.2	0.000	1439.5
4.0	-1.85	-1.85	34.16	27.50	57.2	0.002	1439.6
5.0	-1.85	-1.85	34.16	27.50	57.1	0.003	1439.6
10.0	-1.85	-1.85	34.16	27.50	57.2	0.006	1439.7
15.0	-1.85	-1.85	34.16	27.50	57.0	0.009	1439.8
20.0	-1.85	-1.85	34.16	27.50	57.0	0.012	1439.8
25.0	-1.85	-1.85	34.16	27.50	57.0	0.014	1439.9
30.0	-1.85	-1.85	34.16	27.50	57.3	0.017	1440.0
35.0	-1.85	-1.85	34.16	27.50	57.1	0.020	1440.1
40.0	-1.85	-1.85	34.16	27.50	56.9	0.023	1440.2
45.0	-1.83	-1.83	34.17	27.50	56.7	0.026	1440.3
50.0	-1.79	-1.80	34.17	27.51	56.3	0.029	1440.6
55.0	-1.68	-1.69	34.20	27.53	54.2	0.032	1441.3
60.0	-1.36	-1.36	34.27	27.57	50.2	0.034	1443.0
65.0	-1.06	-1.06	34.32	27.61	47.0	0.037	1444.5
70.0	-0.81	-0.81	34.37	27.63	44.5	0.039	1445.8
75.0	-0.57	-0.57	34.43	27.68	40.5	0.041	1447.1
80.0	-0.34	-0.34	34.49	27.71	37.3	0.043	1448.4
85.0	-0.06	-0.06	34.54	27.74	35.0	0.045	1449.8
90.0	0.11	0.11	34.57	27.75	33.3	0.047	1450.7
95.0	0.28	0.27	34.60	27.77	31.8	0.048	1451.6
100.0	0.50	0.50	34.64	27.79	30.4	0.050	1452.7
110.0	0.76	0.76	34.70	27.82	27.6	0.053	1454.2
120.0	1.04	1.04	34.75	27.84	25.5	0.055	1455.7
130.0	1.35	1.34	34.81	27.87	22.8	0.058	1457.3
140.0	1.57	1.56	34.83	27.87	22.9	0.060	1458.4
150.0	1.88	1.87	34.88	27.89	21.5	0.062	1460.1
160.0	2.06	2.05	34.91	27.89	20.8	0.065	1461.0
170.0	2.19	2.18	34.93	27.90	20.8	0.067	1461.8
180.0	2.18	2.17	34.93	27.90	20.2	0.069	1462.0
190.0	2.17	2.16	34.94	27.91	19.9	0.071	1462.1
200.0	2.15	2.14	34.94	27.91	19.6	0.073	1462.1
210.0	2.15	2.14	34.94	27.91	19.6	0.075	1462.3
220.0	2.15	2.14	34.94	27.91	19.3	0.077	1462.5
230.0	2.14	2.12	34.95	27.92	19.1	0.079	1462.6
240.0	2.09	2.07	34.95	27.92	18.5	0.081	1462.5
250.0	2.09	2.08	34.95	27.92	18.8	0.083	1462.7
260.0	2.09	2.08	34.96	27.93	17.9	0.084	1462.9
270.0	2.07	2.06	34.96	27.93	18.1	0.086	1463.0
280.0	2.04	2.02	34.96	27.93	17.7	0.088	1463.0
290.0	2.05	2.03	34.96	27.93	17.8	0.090	1463.2
300.0	2.04	2.02	34.96	27.94	17.3	0.092	1463.4
310.0	2.06	2.04	34.97	27.94	17.4	0.093	1463.6
320.0	2.04	2.02	34.97	27.94	17.3	0.095	1463.7
330.0	2.03	2.01	34.96	27.94	17.7	0.097	1463.8
340.0	2.00	1.98	34.96	27.94	17.4	0.099	1463.8
350.0	1.95	1.93	34.96	27.95	17.0	0.100	1463.8
360.0	1.92	1.90	34.96	27.95	16.9	0.102	1463.8
370.0	1.88	1.86	34.96	27.95	16.7	0.104	1463.8
380.0	1.85	1.83	34.96	27.95	16.6	0.105	1463.9
390.0	1.82	1.80	34.95	27.95	16.7	0.107	1463.9
400.0	1.75	1.73	34.95	27.95	16.8	0.109	1463.7
410.0	1.65	1.63	34.95	27.96	16.0	0.111	1463.4
420.0	1.65	1.63	34.94	27.95	16.2	0.112	1463.6
430.0	1.59	1.57	34.94	27.96	15.9	0.114	1463.5
440.0	1.59	1.56	34.95	27.96	15.5	0.115	1463.7
450.0	1.55	1.53	34.94	27.96	15.6	0.117	1463.7
460.0	1.47	1.45	34.94	27.97	15.0	0.118	1463.5
470.0	1.39	1.37	34.94	27.97	14.8	0.120	1463.3
480.0	1.32	1.29	34.93	27.97	14.9	0.122	1463.1
490.0	1.25	1.22	34.93	27.97	14.5	0.123	1463.0
500.0	1.18	1.15	34.92	27.97	14.4	0.124	1462.8
530.0	1.07	1.05	34.92	27.98	13.8	0.129	1462.8
560.0	0.88	0.85	34.92	27.99	12.6	0.133	1462.4
590.0	0.77	0.74	34.91	27.99	12.0	0.136	1462.5
620.0	0.49	0.46	34.90	28.00	10.8	0.140	1461.7
650.0	0.31	0.29	34.90	28.00	10.1	0.143	1461.4
680.0	0.16	0.13	34.90	28.02	8.8	0.146	1461.2
710.0	-0.08	-0.11	34.90	28.03	7.1	0.148	1460.6
740.0	-0.18	-0.21	34.89	28.03	6.8	0.151	1460.6
764.0	-0.44	-0.47	34.89	28.04	5.0	0.153	1460.2

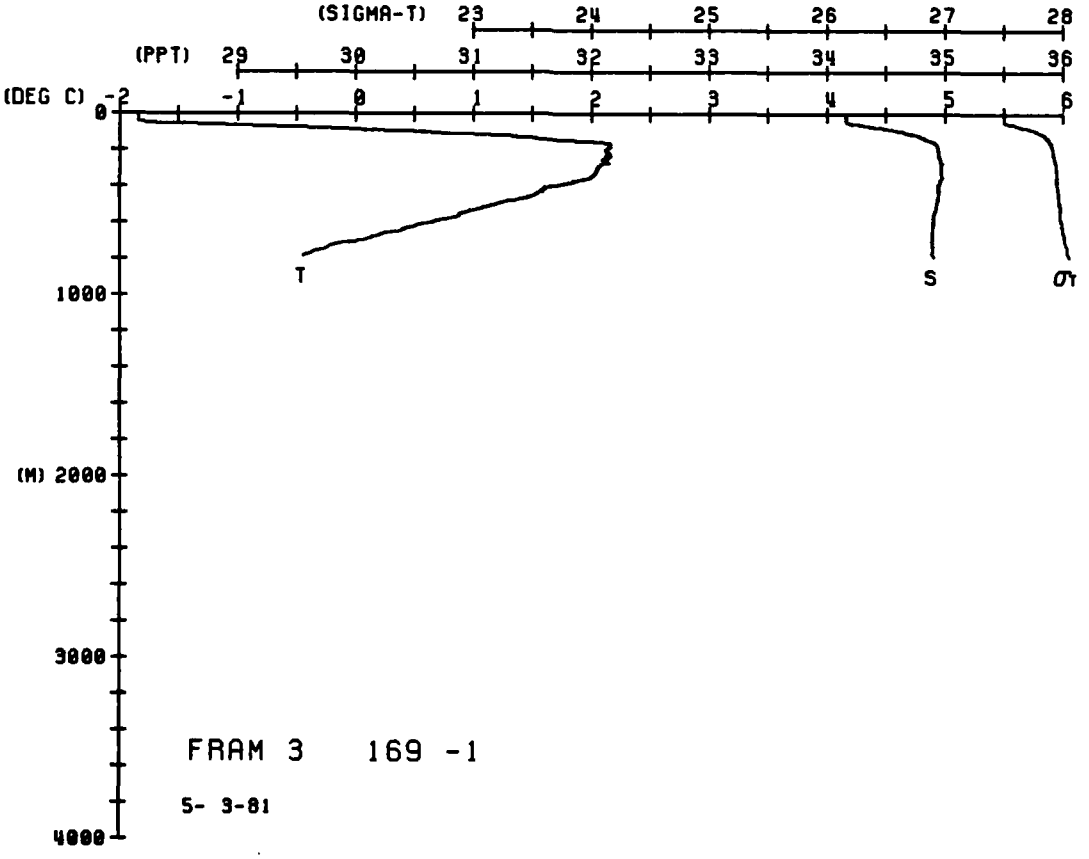

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
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300
(M)
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FRAM 3 168 -1
5- 3-81
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
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FRAM 3 168 -1
5- 3-81

FRAM 3 STATION 169(1) CTD 3/MAY/1981 1730 GMT CODE = 5
LAT = 81.8055N LNG = 4.6698E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.16	27.50	57.2	0.000	1439.5
4.0	-1.85	-1.85	34.16	27.50	57.2	0.002	1439.6
5.0	-1.85	-1.85	34.16	27.50	57.1	0.003	1439.6
10.0	-1.85	-1.85	34.17	27.50	56.9	0.006	1439.7
15.0	-1.85	-1.85	34.16	27.50	57.2	0.009	1439.8
20.0	-1.85	-1.85	34.16	27.50	57.2	0.012	1439.9
25.0	-1.85	-1.85	34.16	27.50	57.1	0.014	1439.9
30.0	-1.85	-1.85	34.16	27.50	56.9	0.017	1440.0
35.0	-1.85	-1.85	34.17	27.50	56.8	0.020	1440.1
40.0	-1.84	-1.84	34.17	27.50	56.8	0.023	1440.2
45.0	-1.83	-1.83	34.17	27.51	56.6	0.026	1440.4
50.0	-1.79	-1.79	34.18	27.51	56.1	0.029	1440.7
55.0	-1.62	-1.62	34.22	27.54	53.1	0.032	1441.6
60.0	-1.29	-1.29	34.29	27.59	48.9	0.034	1443.3
65.0	-1.03	-1.03	34.32	27.61	47.0	0.037	1444.7
70.0	-0.84	-0.84	34.37	27.63	44.5	0.039	1445.7
75.0	-0.59	-0.59	34.43	27.67	40.7	0.041	1447.0
80.0	-0.36	-0.36	34.48	27.71	37.7	0.043	1448.2
85.0	-0.11	-0.12	34.53	27.73	35.2	0.045	1449.5
90.0	0.09	0.09	34.57	27.75	33.4	0.047	1450.6
95.0	0.36	0.35	34.62	27.78	31.3	0.048	1452.0
100.0	0.54	0.54	34.65	27.79	29.7	0.050	1452.9
110.0	0.78	0.77	34.71	27.82	27.0	0.053	1454.2
120.0	1.19	1.19	34.78	27.85	24.4	0.055	1456.4
130.0	1.40	1.39	34.81	27.87	22.9	0.058	1457.5
140.0	1.58	1.57	34.83	27.87	22.8	0.060	1458.5
150.0	1.92	1.92	34.89	27.89	21.4	0.062	1460.3
160.0	2.14	2.13	34.92	27.90	20.5	0.064	1461.4
170.0	2.16	2.15	34.94	27.91	19.7	0.066	1461.7
180.0	2.16	2.15	34.94	27.91	19.5	0.068	1461.9
190.0	2.15	2.14	34.94	27.91	19.6	0.070	1462.0
200.0	2.12	2.11	34.94	27.92	19.1	0.072	1462.0
210.0	2.13	2.12	34.95	27.92	18.8	0.074	1462.2
220.0	2.15	2.14	34.95	27.92	18.6	0.076	1462.5
230.0	2.16	2.15	34.96	27.93	18.4	0.078	1462.7
240.0	2.12	2.11	34.95	27.93	18.4	0.080	1462.7
250.0	2.11	2.10	34.97	27.94	17.4	0.082	1462.8
260.0	2.12	2.10	34.96	27.93	17.7	0.083	1463.0
270.0	2.15	2.14	34.98	27.94	16.8	0.085	1463.4
280.0	2.09	2.07	34.97	27.94	17.4	0.087	1463.2
290.0	2.07	2.05	34.97	27.94	17.0	0.089	1463.3
300.0	2.06	2.04	34.97	27.94	17.3	0.090	1463.4
310.0	2.05	2.03	34.97	27.94	16.9	0.092	1463.6
320.0	2.05	2.03	34.97	27.95	16.7	0.094	1463.7
330.0	2.03	2.01	34.97	27.95	16.6	0.095	1463.8
340.0	2.02	2.00	34.97	27.95	16.6	0.097	1463.9
350.0	2.00	1.98	34.98	27.95	16.5	0.099	1464.0
360.0	1.96	1.94	34.97	27.95	16.7	0.100	1464.0
370.0	1.90	1.87	34.97	27.95	16.3	0.102	1463.9
380.0	1.85	1.83	34.96	27.95	16.2	0.104	1463.8
390.0	1.76	1.74	34.96	27.96	16.0	0.105	1463.6
400.0	1.67	1.65	34.95	27.96	15.6	0.107	1463.4
410.0	1.62	1.59	34.95	27.96	15.5	0.109	1463.3
420.0	1.59	1.57	34.95	27.97	15.0	0.110	1463.3
430.0	1.59	1.57	34.95	27.97	15.0	0.112	1463.5
440.0	1.55	1.53	34.95	27.97	15.0	0.113	1463.5
450.0	1.52	1.50	34.95	27.97	14.8	0.115	1463.6
460.0	1.48	1.46	34.95	27.97	14.5	0.116	1463.5
470.0	1.42	1.39	34.95	27.97	14.3	0.118	1463.4
480.0	1.34	1.31	34.94	27.98	13.9	0.119	1463.2
490.0	1.25	1.23	34.94	27.98	13.9	0.120	1463.0
500.0	1.20	1.17	34.93	27.98	13.8	0.122	1462.9
530.0	1.03	1.00	34.93	27.98	12.9	0.126	1462.6
560.0	0.88	0.86	34.91	27.98	13.2	0.130	1462.5
590.0	0.71	0.68	34.91	27.99	12.0	0.134	1462.2
620.0	0.51	0.48	34.91	28.00	10.7	0.137	1461.8
650.0	0.35	0.32	34.90	28.01	9.8	0.140	1461.6
680.0	0.14	0.11	34.90	28.02	8.6	0.143	1461.1
710.0	-0.09	-0.12	34.90	28.03	7.2	0.146	1460.5
740.0	-0.23	-0.27	34.90	28.04	5.7	0.147	1460.4
787.0	-0.44	-0.47	34.91	28.05	3.9	0.150	1460.3


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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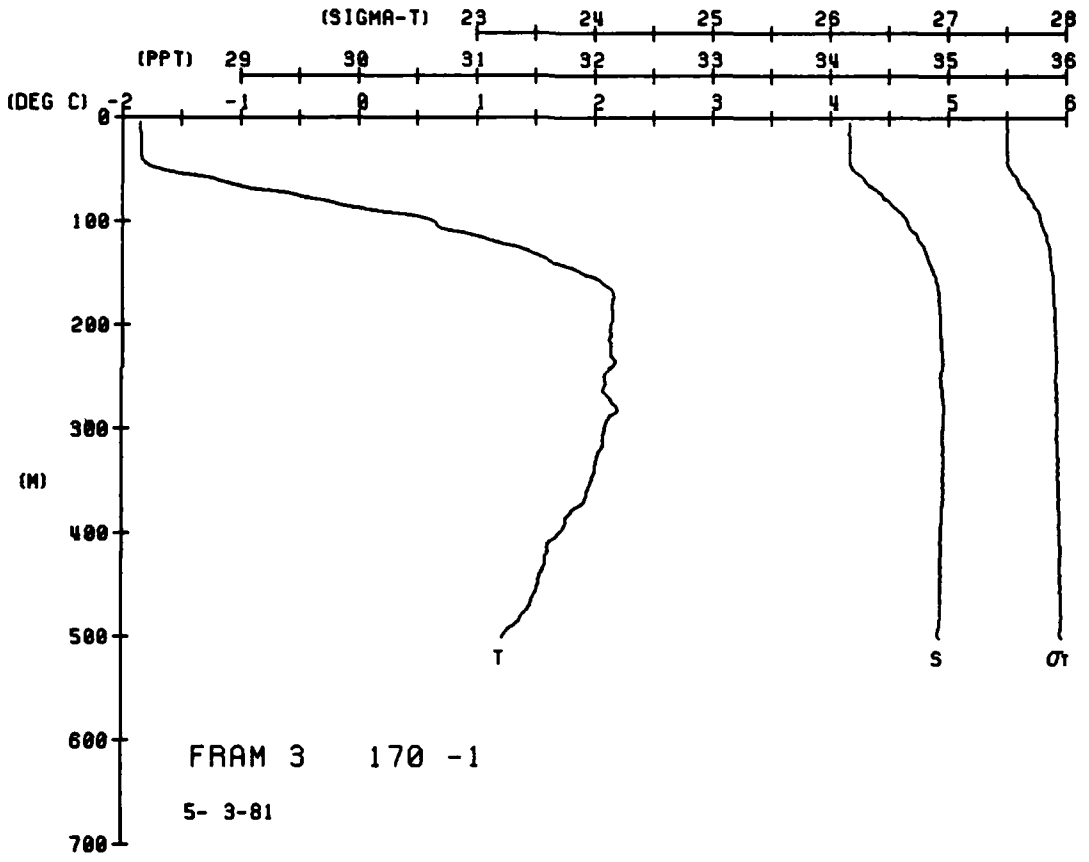

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 169 -1
5- 3-81

FRAM 3 STATION 170(1) CTD 3/MAY/1981 1802 GMT CODE = 5
LAT = 81.8045N LNG = 4.6553E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.16	27.50	57.2	0.000	1439.5
4.0	-1.85	-1.85	34.16	27.50	57.2	0.002	1439.6
5.0	-1.85	-1.85	34.16	27.50	57.1	0.003	1439.6
10.0	-1.85	-1.85	34.17	27.50	56.9	0.006	1439.7
15.0	-1.85	-1.85	34.16	27.50	57.2	0.009	1439.8
20.0	-1.85	-1.85	34.16	27.50	57.0	0.012	1439.9
25.0	-1.85	-1.85	34.16	27.50	57.0	0.014	1440.0
30.0	-1.85	-1.85	34.17	27.50	56.8	0.017	1440.0
35.0	-1.84	-1.84	34.16	27.50	56.9	0.020	1440.1
40.0	-1.83	-1.83	34.17	27.51	56.6	0.023	1440.3
45.0	-1.80	-1.80	34.17	27.51	56.2	0.026	1440.5
50.0	-1.68	-1.68	34.20	27.53	54.7	0.029	1441.2
55.0	-1.42	-1.43	34.25	27.56	51.1	0.031	1442.6
60.0	-1.19	-1.19	34.30	27.59	48.6	0.034	1443.8
65.0	-1.05	-1.05	34.32	27.61	47.0	0.036	1444.6
70.0	-0.79	-0.79	34.40	27.66	42.1	0.039	1446.0
75.0	-0.52	-0.52	34.45	27.69	39.6	0.041	1447.4
80.0	-0.31	-0.31	34.50	27.71	37.0	0.043	1448.5
85.0	-0.12	-0.13	34.54	27.74	34.8	0.044	1449.5
90.0	0.18	0.18	34.59	27.77	32.9	0.046	1451.1
95.0	0.49	0.49	34.63	27.78	30.9	0.048	1452.6
100.0	0.65	0.64	34.66	27.80	29.5	0.049	1453.4
110.0	0.83	0.83	34.71	27.82	26.8	0.052	1454.5
120.0	1.17	1.17	34.77	27.85	24.3	0.055	1456.3
130.0	1.47	1.46	34.82	27.87	23.1	0.057	1457.8
140.0	1.66	1.66	34.85	27.88	22.3	0.059	1458.9
150.0	1.90	1.89	34.89	27.89	21.2	0.062	1460.1
160.0	2.08	2.07	34.91	27.89	20.9	0.064	1461.1
170.0	2.16	2.16	34.93	27.90	20.3	0.066	1461.7
180.0	2.15	2.14	34.93	27.90	20.3	0.068	1461.8
190.0	2.15	2.14	34.94	27.91	19.7	0.070	1462.0
200.0	2.14	2.13	34.94	27.91	19.6	0.072	1462.1
210.0	2.14	2.13	34.94	27.92	19.1	0.074	1462.3
220.0	2.14	2.13	34.95	27.92	18.6	0.076	1462.5
230.0	2.16	2.14	34.96	27.93	18.3	0.078	1462.7
240.0	2.15	2.14	34.96	27.93	18.4	0.079	1462.8
250.0	2.10	2.08	34.95	27.93	18.3	0.081	1462.8
260.0	2.09	2.08	34.96	27.94	17.5	0.083	1462.9
270.0	2.14	2.13	34.97	27.94	17.3	0.085	1463.3
280.0	2.20	2.19	34.98	27.94	17.2	0.087	1463.8
290.0	2.12	2.11	34.97	27.94	17.2	0.088	1463.6
300.0	2.10	2.08	34.97	27.94	17.3	0.090	1463.6
310.0	2.09	2.07	34.97	27.94	17.6	0.092	1463.7
320.0	2.05	2.03	34.97	27.94	17.1	0.094	1463.7
330.0	2.03	2.01	34.97	27.95	16.8	0.095	1463.8
340.0	2.01	1.99	34.97	27.95	16.7	0.097	1463.9
350.0	1.98	1.96	34.97	27.95	16.8	0.099	1463.9
360.0	1.95	1.92	34.97	27.95	16.3	0.100	1463.9
370.0	1.92	1.90	34.97	27.95	16.5	0.102	1464.0
380.0	1.81	1.79	34.96	27.95	16.1	0.104	1463.7
390.0	1.76	1.74	34.95	27.95	16.1	0.105	1463.6
400.0	1.71	1.68	34.95	27.96	16.0	0.107	1463.5
410.0	1.61	1.59	34.95	27.96	15.7	0.109	1463.3
420.0	1.60	1.58	34.95	27.97	15.1	0.110	1463.4
430.0	1.59	1.57	34.95	27.96	15.[illegible]	0.112	1463.5
440.0	1.55	1.53	34.95	27.97	14.8	0.113	1463.5
450.0	1.53	1.51	34.95	27.97	14.7	0.115	1463.6
460.0	1.50	1.47	34.95	27.97	14.5	0.116	1463.6
470.0	1.46	1.44	34.95	27.97	14.3	0.118	1463.6
480.0	1.39	1.37	34.95	27.98	13.8	0.119	1463.5
490.0	1.31	1.29	34.94	27.97	14.2	0.120	1463.3
500.0	1.24	1.21	34.93	27.97	14.1	0.122	1463.1
502.0	1.23	1.20	34.94	27.98	13.2	0.122	1463.1

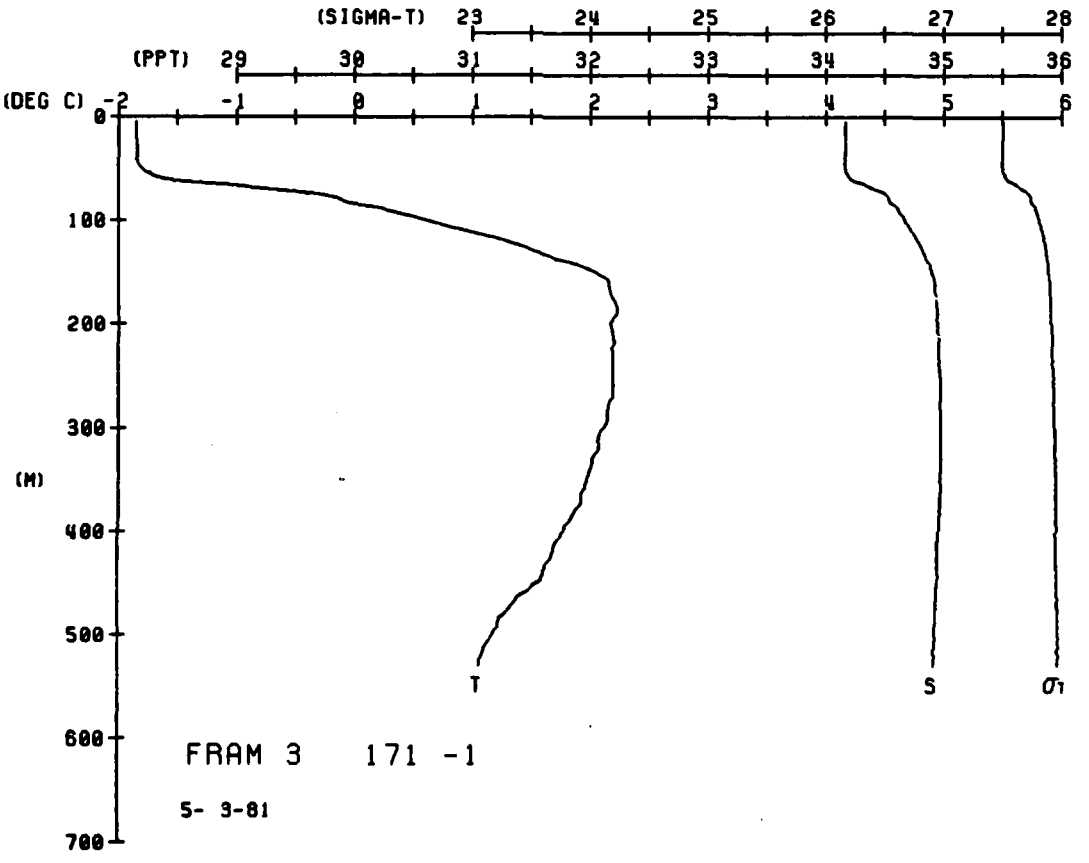
FRAM 3 STATION 171(1) CTD 3/MAY/1981 2119 GMT CODE = 5
LAT = 81.7987N LNG = 4.5842E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.50	57.0	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.50	57.0	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.50	57.0	0.003	1439.6
10.0	-1.85	-1.85	34.17	27.50	56.9	0.006	1439.7
15.0	-1.85	-1.85	34.17	27.50	56.9	0.009	1439.8
20.0	-1.85	-1.85	34.17	27.51	56.8	0.012	1439.8
25.0	-1.85	-1.85	34.16	27.50	57.1	0.014	1439.9
30.0	-1.85	-1.85	34.16	27.50	57.0	0.017	1440.0
35.0	-1.85	-1.85	34.16	27.50	56.9	0.020	1440.1
40.0	-1.84	-1.84	34.16	27.50	56.9	0.023	1440.2
45.0	-1.83	-1.83	34.17	27.50	56.7	0.026	1440.4
50.0	-1.80	-1.80	34.17	27.51	56.1	0.029	1440.6
55.0	-1.74	-1.74	34.19	27.52	55.2	0.032	1441.0
60.0	-1.61	-1.61	34.22	27.54	53.2	0.034	1441.7
65.0	-1.15	-1.15	34.33	27.61	46.3	0.037	1444.1
70.0	-0.70	-0.70	34.43	27.68	40.5	0.039	1446.4
75.0	-0.31	-0.31	34.52	27.74	34.9	0.041	1448.5
80.0	-0.12	-0.13	34.54	27.74	34.5	0.043	1449.4
85.0	0.07	0.07	34.59	27.77	31.9	0.044	1450.5
90.0	0.29	0.29	34.63	27.79	30.1	0.046	1451.6
95.0	0.46	0.45	34.65	27.80	29.1	0.047	1452.5
100.0	0.62	0.62	34.68	27.81	28.1	0.049	1453.3
110.0	0.95	0.94	34.74	27.84	25.6	0.052	1455.0
120.0	1.29	1.29	34.79	27.86	24.0	0.054	1456.8
130.0	1.55	1.54	34.83	27.87	22.7	0.056	1458.2
140.0	1.83	1.82	34.88	27.89	21.4	0.059	1459.7
150.0	2.05	2.04	34.90	27.89	21.2	0.061	1460.8
160.0	2.16	2.15	34.93	27.90	20.1	0.063	1461.5
170.0	2.18	2.17	34.93	27.90	20.2	0.065	1461.8
180.0	2.22	2.21	34.94	27.91	19.8	0.067	1462.1
190.0	2.22	2.21	34.95	27.92	19.1	0.069	1462.3
200.0	2.18	2.17	34.95	27.91	19.3	0.071	1462.3
210.0	2.19	2.18	34.96	27.92	18.4	0.073	1462.5
220.0	2.20	2.19	34.96	27.93	18.3	0.075	1462.7
230.0	2.20	2.19	34.97	27.93	18.1	0.077	1462.9
240.0	2.20	2.19	34.97	27.93	17.9	0.078	1463.1
250.0	2.19	2.18	34.98	27.94	17.3	0.080	1463.2
260.0	2.20	2.19	34.98	27.94	17.3	0.082	1463.4
270.0	2.19	2.18	34.98	27.94	17.4	0.084	1463.6
280.0	2.15	2.14	34.98	27.94	17.3	0.085	1463.5
290.0	2.15	2.13	34.98	27.94	17.2	0.087	1463.7
300.0	2.11	2.09	34.98	27.95	16.9	0.089	1463.7
310.0	2.07	2.05	34.98	27.95	16.3	0.091	1463.7
320.0	2.07	2.05	34.98	27.95	16.4	0.092	1463.8
330.0	2.02	2.00	34.98	27.95	16.1	0.094	1463.8
340.0	2.00	1.98	34.98	27.95	16.2	0.095	1463.9
350.0	1.97	1.95	34.98	27.96	16.0	0.097	1463.9
360.0	1.94	1.92	34.98	27.96	15.8	0.099	1463.9
370.0	1.92	1.90	34.98	27.96	15.8	0.100	1464.0
380.0	1.87	1.85	34.97	27.96	16.0	0.102	1463.9
390.0	1.81	1.79	34.96	27.96	15.8	0.104	1463.8
400.0	1.78	1.75	34.97	27.96	15.4	0.105	1463.9
410.0	1.72	1.69	34.96	27.96	15.5	0.107	1463.7
420.0	1.68	1.66	34.96	27.96	15.2	0.108	1463.8
430.0	1.63	1.61	34.96	27.97	15.1	0.110	1463.7
440.0	1.60	1.58	34.96	27.97	14.6	0.111	1463.8
450.0	1.55	1.52	34.96	27.97	14.5	0.113	1463.7
460.0	1.43	1.41	34.95	27.98	14.1	0.114	1463.3
470.0	1.35	1.32	34.94	27.98	13.9	0.116	1463.1
480.0	1.27	1.25	34.94	27.98	13.5	0.117	1462.9
490.0	1.23	1.20	34.94	27.98	13.3	0.118	1462.9
500.0	1.17	1.14	34.94	27.98	13.1	0.120	1462.8
529.6	1.07	1.04	34.93	27.98	13.1	0.124	1462.8



FRAM 3 170 -1

5- 3-81

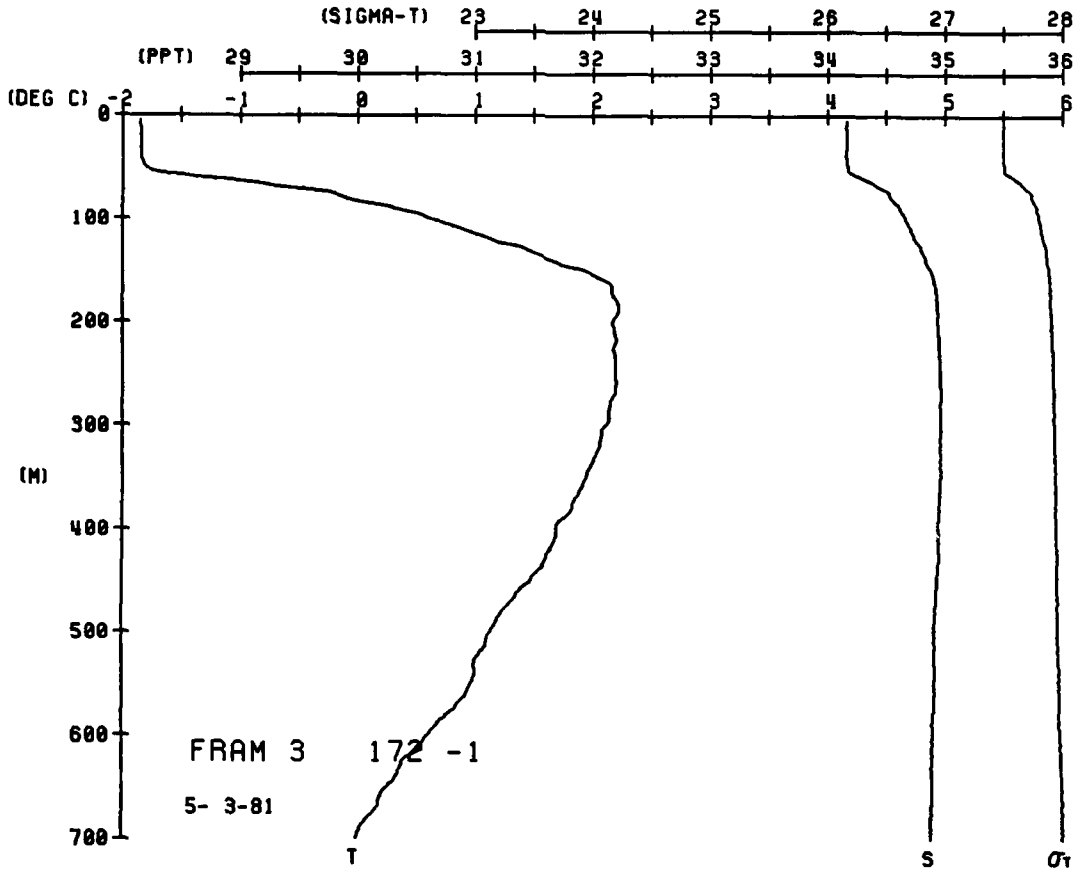


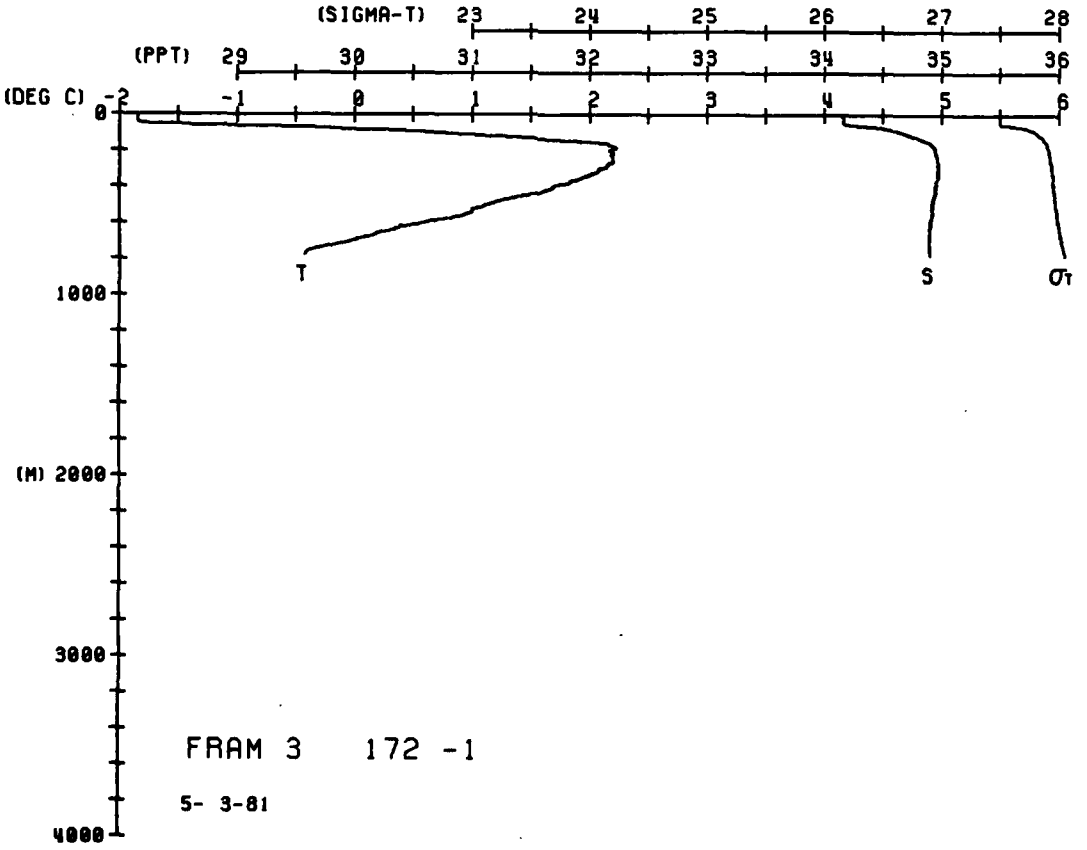
FRAM 3 171 -1

5- 3-81

FRAM 3 STATION 172(1) CTD 3/MAY/1981 2151 GMT CODE = 5
LAT = 81.7975N LNG = 4.5638E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

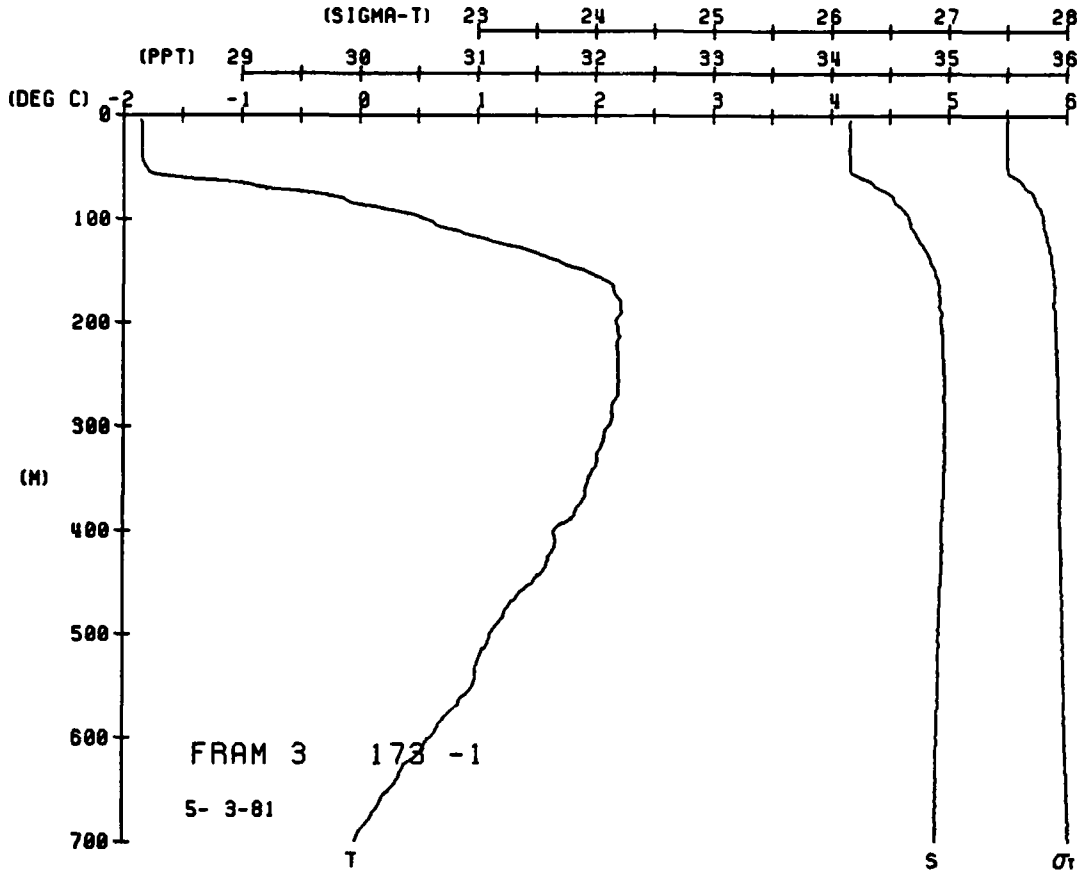
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.50	57.0	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.50	57.0	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.50	57.0	0.003	1439.6
10.0	-1.85	-1.85	34.17	27.50	56.9	0.006	1439.7
15.0	-1.85	-1.85	34.16	27.50	57.1	0.009	1439.8
20.0	-1.85	-1.85	34.16	27.50	57.0	0.012	1439.9
25.0	-1.85	-1.85	34.16	27.50	57.0	0.014	1440.0
30.0	-1.85	-1.85	34.16	27.50	56.9	0.017	1440.0
35.0	-1.84	-1.84	34.16	27.50	57.2	0.020	1440.1
40.0	-1.84	-1.84	34.16	27.50	56.9	0.023	1440.2
45.0	-1.83	-1.83	34.17	27.50	56.8	0.026	1440.4
50.0	-1.80	-1.81	34.17	27.51	56.4	0.029	1440.6
55.0	-1.71	-1.72	34.19	27.52	54.8	0.032	1441.1
60.0	-1.33	-1.33	34.30	27.59	48.2	0.034	1443.2
65.0	-0.88	-0.88	34.38	27.65	43.0	0.037	1445.4
70.0	-0.57	-0.57	34.45	27.69	39.0	0.039	1447.1
75.0	-0.23	-0.23	34.53	27.74	34.9	0.040	1448.8
80.0	-0.10	-0.10	34.54	27.74	34.2	0.042	1449.5
85.0	0.13	0.12	34.60	27.77	31.6	0.044	1450.7
90.0	0.34	0.34	34.63	27.79	30.2	0.045	1451.8
95.0	0.51	0.50	34.66	27.80	28.6	0.047	1452.7
100.0	0.63	0.62	34.68	27.81	28.1	0.048	1453.4
110.0	0.90	0.90	34.72	27.83	26.6	0.051	1454.8
120.0	1.14	1.14	34.76	27.84	25.3	0.054	1456.1
130.0	1.45	1.45	34.81	27.86	23.4	0.056	1457.7
140.0	1.66	1.65	34.85	27.87	22.5	0.059	1458.9
150.0	1.94	1.94	34.89	27.89	21.3	0.061	1460.3
160.0	2.12	2.11	34.91	27.89	21.2	0.063	1461.3
170.0	2.17	2.16	34.93	27.90	20.3	0.065	1461.7
180.0	2.22	2.20	34.94	27.91	19.8	0.067	1462.1
190.0	2.22	2.21	34.95	27.91	19.6	0.069	1462.3
200.0	2.17	2.16	34.95	27.91	19.3	0.071	1462.3
210.0	2.19	2.18	34.95	27.92	19.1	0.073	1462.5
220.0	2.20	2.19	34.95	27.92	19.0	0.075	1462.7
230.0	2.19	2.18	34.96	27.92	18.5	0.077	1462.9
240.0	2.20	2.19	34.96	27.93	18.4	0.079	1463.1
250.0	2.20	2.19	34.97	27.93	18.2	0.080	1463.2
260.0	2.20	2.19	34.97	27.93	18.2	0.082	1463.4
270.0	2.19	2.17	34.97	27.93	18.0	0.084	1463.5
280.0	2.15	2.14	34.97	27.93	17.8	0.086	1463.5
290.0	2.15	2.13	34.97	27.94	17.4	0.088	1463.7
300.0	2.11	2.09	34.97	27.94	17.4	0.089	1463.7
310.0	2.08	2.06	34.97	27.94	17.4	0.091	1463.7
320.0	2.06	2.04	34.97	27.94	17.2	0.093	1463.8
330.0	2.02	2.00	34.97	27.95	17.0	0.095	1463.8
340.0	1.98	1.96	34.97	27.95	16.8	0.096	1463.8
350.0	1.95	1.93	34.97	27.95	16.7	0.098	1463.8
360.0	1.90	1.88	34.97	27.95	16.3	0.100	1463.8
370.0	1.85	1.83	34.96	27.95	16.2	0.101	1463.7
380.0	1.83	1.81	34.96	27.95	16.2	0.103	1463.7
390.0	1.74	1.72	34.96	27.96	15.9	0.105	1463.5
400.0	1.69	1.67	34.95	27.96	15.8	0.106	1463.5
410.0	1.68	1.66	34.95	27.96	15.9	0.108	1463.6
420.0	1.63	1.61	34.95	27.96	15.6	0.110	1463.5
430.0	1.60	1.57	34.95	27.97	15.0	0.111	1463.5
440.0	1.54	1.52	34.95	27.97	15.0	0.113	1463.5
450.0	1.48	1.45	34.94	27.97	15.0	0.114	1463.3
460.0	1.37	1.35	34.94	27.97	14.7	0.116	1463.0
470.0	1.31	1.28	34.93	27.97	14.5	0.117	1462.9
480.0	1.24	1.21	34.93	27.97	14.2	0.119	1462.7
490.0	1.19	1.16	34.93	27.97	14.1	0.120	1462.7
500.0	1.13	1.11	34.92	27.97	14.1	0.121	1462.6
530.0	1.00	0.97	34.92	27.98	12.9	0.125	1462.5
560.0	0.93	0.90	34.92	27.98	12.8	0.129	1462.7
590.0	0.67	0.64	34.91	27.99	11.7	0.133	1462.0
620.0	0.43	0.40	34.91	28.01	10.0	0.136	1461.4
650.0	0.24	0.22	34.90	28.02	8.9	0.139	1461.1
680.0	0.09	0.06	34.90	28.02	8.5	0.142	1460.9
710.0	-0.10	-0.13	34.90	28.03	6.9	0.144	1460.5
740.0	-0.30	-0.33	34.90	28.04	5.6	0.146	1460.1
780.1	-0.43	-0.46	34.90	28.05	4.6	0.148	1460.2

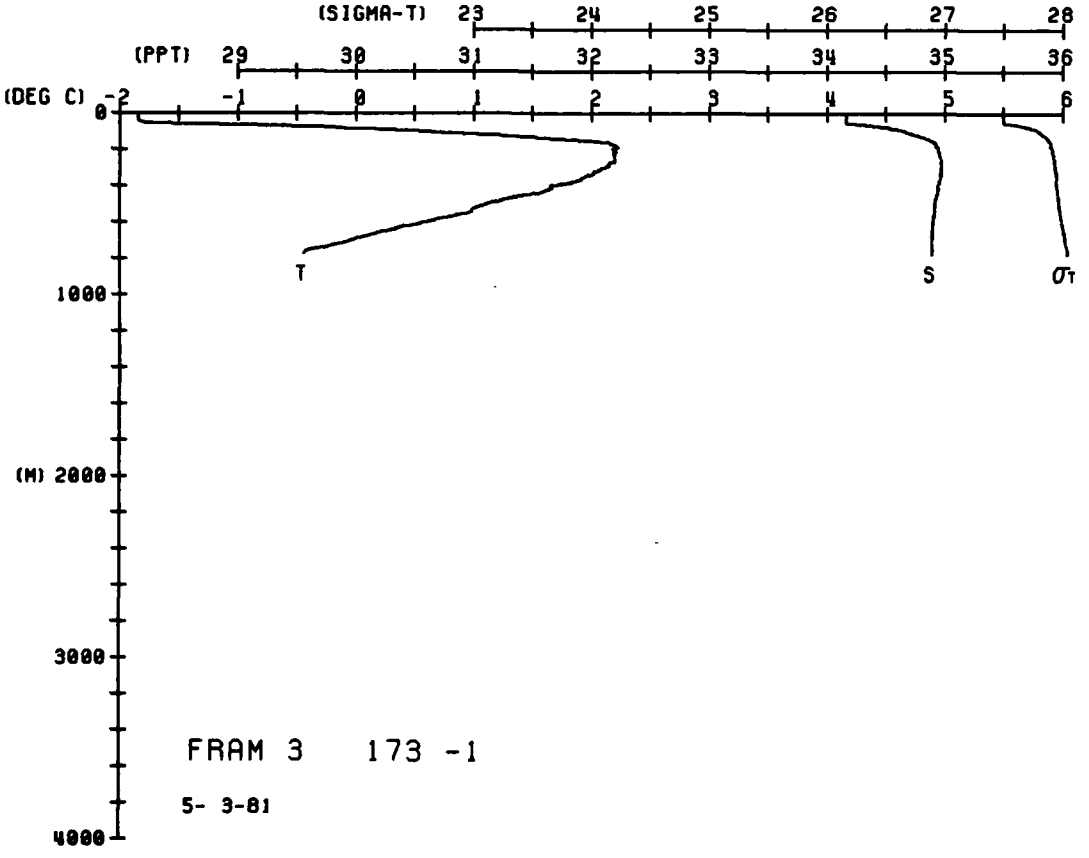

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
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700
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FRAM 3 172 -1
5- 3-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
T
S
σT
FRAM 3 172 -1
5- 3-81

FRAM 3 STATION 173(1) CTD 3/MAY/1981 2222 GMT CODE = 5
LAT = 81.7970N LNG = 4.5527E WTER = 30. WDER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

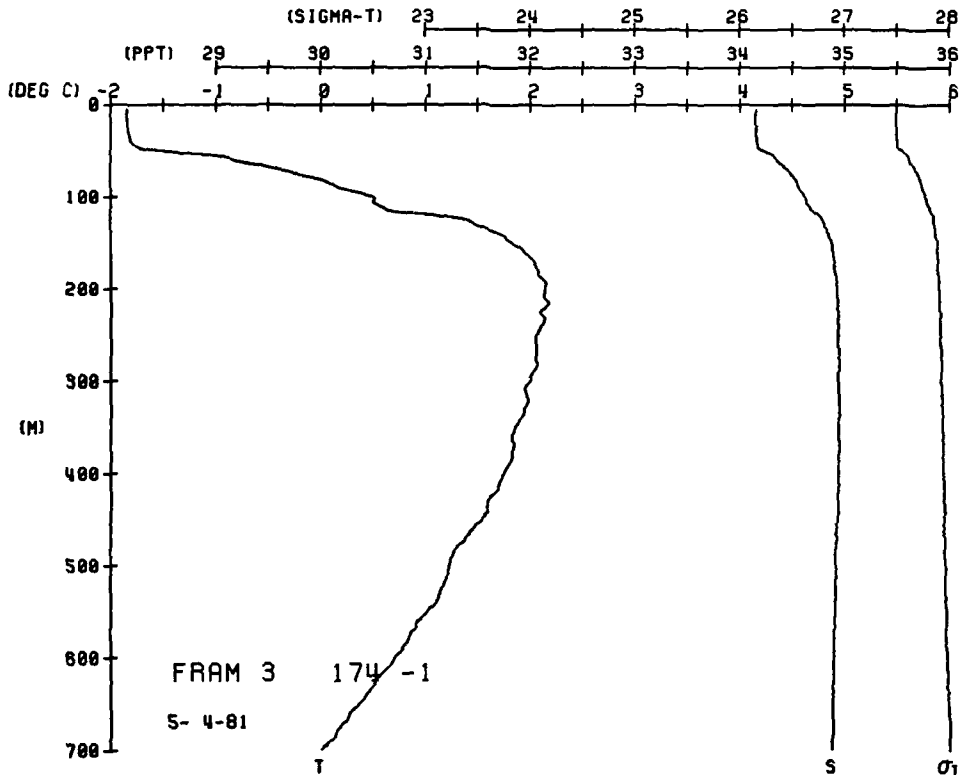
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.51	56.9	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.51	56.9	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.50	57.0	0.003	1439.6
10.0	-1.85	-1.85	34.16	27.50	57.2	0.006	1439.7
15.0	-1.85	-1.85	34.16	27.50	57.1	0.009	1439.8
20.0	-1.85	-1.85	34.16	27.50	57.0	0.012	1439.9
25.0	-1.85	-1.85	34.16	27.50	57.1	0.014	1439.9
30.0	-1.84	-1.84	34.16	27.50	57.2	0.017	1440.0
35.0	-1.84	-1.84	34.16	27.50	57.2	0.020	1440.1
40.0	-1.84	-1.84	34.16	27.50	56.8	0.023	1440.2
45.0	-1.83	-1.83	34.17	27.50	56.8	0.026	1440.4
50.0	-1.80	-1.80	34.17	27.51	56.6	0.029	1440.6
55.0	-1.77	-1.78	34.18	27.51	56.0	0.032	1440.8
60.0	-1.50	-1.51	34.27	27.58	49.9	0.034	1442.3
65.0	-1.02	-1.02	34.35	27.63	45.1	0.037	1444.7
70.0	-0.79	-0.79	34.40	27.66	42.0	0.039	1446.0
75.0	-0.40	-0.40	34.50	27.72	36.5	0.041	1448.0
80.0	-0.14	-0.14	34.53	27.74	35.0	0.043	1449.3
85.0	-0.04	-0.04	34.56	27.75	33.4	0.044	1449.9
90.0	0.23	0.23	34.62	27.78	30.5	0.046	1451.3
95.0	0.43	0.42	34.65	27.80	29.3	0.048	1452.3
100.0	0.57	0.56	34.67	27.81	28.3	0.049	1453.1
110.0	0.78	0.78	34.70	27.82	27.4	0.052	1454.3
120.0	1.09	1.08	34.75	27.84	25.8	0.055	1455.9
130.0	1.43	1.42	34.81	27.86	23.6	0.057	1457.6
140.0	1.69	1.68	34.85	27.87	22.7	0.059	1459.0
150.0	1.93	1.92	34.89	27.89	21.5	0.062	1460.3
160.0	2.11	2.10	34.92	27.90	20.7	0.064	1461.3
170.0	2.16	2.16	34.93	27.90	20.3	0.066	1461.7
180.0	2.22	2.21	34.93	27.90	20.5	0.068	1462.1
190.0	2.22	2.21	34.95	27.91	19.6	0.070	1462.3
200.0	2.19	2.17	34.95	27.92	19.2	0.072	1462.3
210.0	2.20	2.19	34.96	27.92	18.7	0.074	1462.6
220.0	2.19	2.18	34.95	27.92	18.9	0.076	1462.7
230.0	2.20	2.19	34.96	27.92	18.7	0.078	1462.9
240.0	2.20	2.19	34.97	27.93	18.2	0.079	1463.1
250.0	2.20	2.19	34.97	27.93	18.1	0.081	1463.2
260.0	2.20	2.18	34.97	27.93	17.7	0.083	1463.4
270.0	2.19	2.18	34.97	27.93	18.2	0.085	1463.5
280.0	2.14	2.13	34.97	27.94	17.6	0.087	1463.5
290.0	2.15	2.13	34.97	27.94	17.8	0.089	1463.7
300.0	2.11	2.10	34.97	27.94	17.6	0.090	1463.7
310.0	2.08	2.06	34.97	27.94	17.3	0.092	1463.7
320.0	2.05	2.03	34.97	27.94	17.0	0.094	1463.7
330.0	2.02	2.00	34.97	27.95	16.6	0.096	1463.8
340.0	1.99	1.97	34.97	27.95	16.5	0.097	1463.8
350.0	1.95	1.93	34.97	27.95	16.6	0.099	1463.8
360.0	1.91	1.89	34.97	27.95	16.3	0.101	1463.8
370.0	1.90	1.88	34.96	27.95	16.6	0.102	1463.9
380.0	1.84	1.82	34.96	27.95	16.2	0.104	1463.8
390.0	1.79	1.76	34.95	27.95	16.6	0.106	1463.7
400.0	1.66	1.63	34.95	27.96	15.9	0.107	1463.3
410.0	1.67	1.65	34.95	27.96	15.9	0.109	1463.5
420.0	1.64	1.62	34.95	27.96	15.5	0.110	1463.6
430.0	1.60	1.58	34.95	27.96	15.1	0.112	1463.6
440.0	1.55	1.53	34.95	27.96	15.2	0.113	1463.5
450.0	1.48	1.45	34.94	27.97	14.9	0.115	1463.3
460.0	1.37	1.34	34.94	27.97	14.7	0.117	1463.0
470.0	1.29	1.26	34.93	27.97	14.4	0.118	1462.8
480.0	1.24	1.21	34.93	27.97	14.4	0.119	1462.7
490.0	1.18	1.15	34.92	27.97	14.3	0.121	1462.6
500.0	1.12	1.09	34.92	27.98	13.7	0.122	1462.5
530.0	0.99	0.97	34.92	27.98	13.3	0.126	1462.5
560.0	0.88	0.85	34.92	27.99	12.4	0.130	1462.5
590.0	0.67	0.64	34.91	27.99	11.7	0.134	1462.0
620.0	0.46	0.44	34.90	28.00	10.6	0.137	1461.6
650.0	0.26	0.23	34.90	28.01	9.3	0.140	1461.1
680.0	0.08	0.05	34.90	28.02	8.0	0.143	1460.8
710.0	-0.08	-0.11	34.90	28.03	7.2	0.145	1460.6
740.0	-0.27	-0.30	34.90	28.04	5.7	0.147	1460.2
776.2	-0.44	-0.47	34.90	28.05	4.6	0.149	1460.1

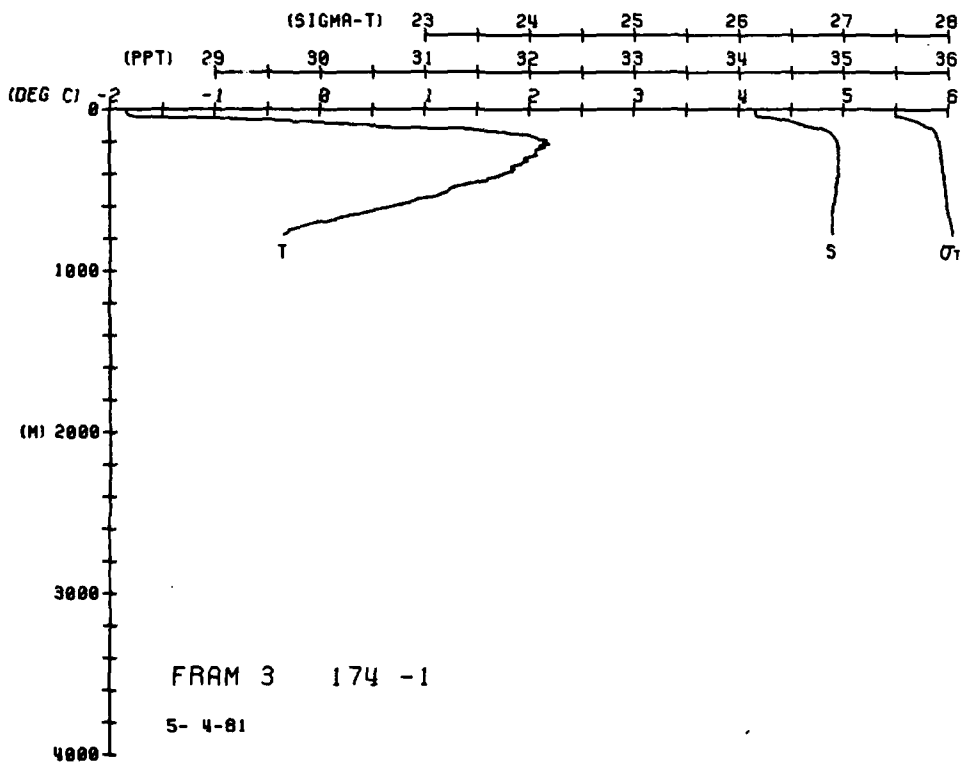

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
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FRAM 3 173 -1
5- 3-81
T
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(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
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FRAM 3 173 -1
5- 3-81

FRAM 3 STATION 174(1) CTD 4/MAY/1981 932 GMT CODE = 5
LAT = 81.7853N LNG = 4.3973E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.16	27.50	57.3	0.000	1439.6
4.0	-1.84	-1.84	34.16	27.50	57.2	0.002	1439.6
5.0	-1.84	-1.84	34.16	27.50	57.3	0.003	1439.6
10.0	-1.84	-1.84	34.16	27.50	57.3	0.006	1439.7
15.0	-1.84	-1.84	34.16	27.50	57.4	0.009	1439.8
20.0	-1.84	-1.84	34.16	27.50	57.3	0.012	1439.9
25.0	-1.84	-1.84	34.16	27.50	57.3	0.015	1440.0
30.0	-1.83	-1.83	34.16	27.50	57.1	0.017	1440.1
35.0	-1.82	-1.82	34.16	27.50	56.9	0.020	1440.3
40.0	-1.80	-1.80	34.17	27.50	56.7	0.023	1440.4
45.0	-1.75	-1.75	34.18	27.51	56.0	0.026	1440.8
50.0	-1.56	-1.56	34.24	27.55	52.1	0.029	1441.8
55.0	-1.02	-1.02	34.34	27.62	46.0	0.031	1444.6
60.0	-0.83	-0.83	34.36	27.63	44.7	0.033	1445.6
65.0	-0.62	-0.62	34.41	27.66	42.4	0.036	1446.7
70.0	-0.39	-0.40	34.46	27.69	39.6	0.038	1447.9
75.0	-0.22	-0.22	34.50	27.71	37.4	0.040	1448.8
80.0	-0.04	-0.04	34.53	27.73	35.6	0.042	1449.8
85.0	0.09	0.09	34.56	27.74	34.2	0.043	1450.5
90.0	0.19	0.19	34.57	27.75	33.4	0.045	1451.1
95.0	0.36	0.36	34.61	27.77	31.7	0.047	1452.0
100.0	0.50	0.50	34.63	27.78	30.7	0.048	1452.7
110.0	0.56	0.55	34.67	27.81	28.2	0.051	1453.2
120.0	1.09	1.09	34.77	27.85	24.2	0.054	1455.9
130.0	1.49	1.48	34.81	27.86	23.6	0.056	1457.9
140.0	1.73	1.72	34.85	27.88	22.4	0.059	1459.2
150.0	1.84	1.83	34.88	27.89	21.1	0.061	1459.9
160.0	1.96	1.95	34.89	27.89	21.4	0.063	1460.6
170.0	2.04	2.04	34.91	27.90	20.8	0.065	1461.1
180.0	2.08	2.07	34.92	27.90	20.6	0.067	1461.5
190.0	2.15	2.13	34.93	27.91	20.0	0.069	1462.0
200.0	2.14	2.13	34.93	27.91	19.9	0.071	1462.1
210.0	2.15	2.14	34.94	27.91	19.6	0.073	1462.3
220.0	2.14	2.12	34.94	27.91	19.5	0.075	1462.4
230.0	2.14	2.12	34.94	27.92	19.3	0.077	1462.6
240.0	2.11	2.09	34.95	27.92	18.9	0.079	1462.6
250.0	2.06	2.05	34.95	27.92	18.6	0.081	1462.6
260.0	2.06	2.05	34.94	27.92	18.7	0.083	1462.8
270.0	2.06	2.04	34.95	27.93	18.2	0.085	1462.9
280.0	2.07	2.05	34.96	27.93	18.0	0.087	1463.1
290.0	2.03	2.02	34.95	27.93	18.0	0.088	1463.1
300.0	2.00	1.98	34.95	27.93	18.1	0.090	1463.1
310.0	1.96	1.95	34.95	27.93	17.9	0.092	1463.2
320.0	1.99	1.97	34.96	27.94	17.4	0.094	1463.4
330.0	1.95	1.93	34.96	27.94	17.4	0.096	1463.4
340.0	1.91	1.89	34.95	27.94	17.4	0.097	1463.4
350.0	1.86	1.84	34.95	27.94	17.1	0.099	1463.4
360.0	1.83	1.81	34.95	27.95	16.9	0.101	1463.4
370.0	1.85	1.83	34.96	27.95	16.7	0.103	1463.7
380.0	1.83	1.81	34.95	27.95	16.9	0.104	1463.7
390.0	1.80	1.78	34.95	27.95	16.7	0.106	1463.8
400.0	1.75	1.73	34.95	27.95	16.4	0.108	1463.7
410.0	1.71	1.69	34.95	27.95	16.1	0.109	1463.7
420.0	1.67	1.64	34.95	27.96	15.9	0.111	1463.7
430.0	1.59	1.57	34.94	27.95	16.2	0.112	1463.5
440.0	1.59	1.57	34.94	27.96	15.7	0.114	1463.7
450.0	1.54	1.52	34.94	27.96	15.6	0.116	1463.6
460.0	1.46	1.44	34.94	27.96	15.3	0.117	1463.4
470.0	1.39	1.37	34.93	27.96	15.2	0.119	1463.3
480.0	1.30	1.28	34.93	27.96	15.0	0.120	1463.0
490.0	1.26	1.24	34.93	27.97	14.6	0.122	1463.0
500.0	1.23	1.20	34.93	27.97	14.2	0.123	1463.0
530.0	1.14	1.12	34.93	27.98	13.7	0.128	1463.2
560.0	0.93	0.90	34.91	27.98	13.3	0.132	1462.7
590.0	0.78	0.76	34.91	27.99	12.3	0.136	1462.5
620.0	0.56	0.53	34.90	27.99	11.4	0.139	1462.0
650.0	0.37	0.34	34.90	28.00	10.4	0.143	1461.6
680.0	0.15	0.12	34.89	28.01	9.0	0.145	1461.2
710.0	-0.10	-0.13	34.89	28.03	7.3	0.148	1460.5
740.0	-0.26	-0.29	34.89	28.03	6.3	0.150	1460.3
779.1	-0.37	-0.40	34.89	28.04	5.7	0.152	1460.4

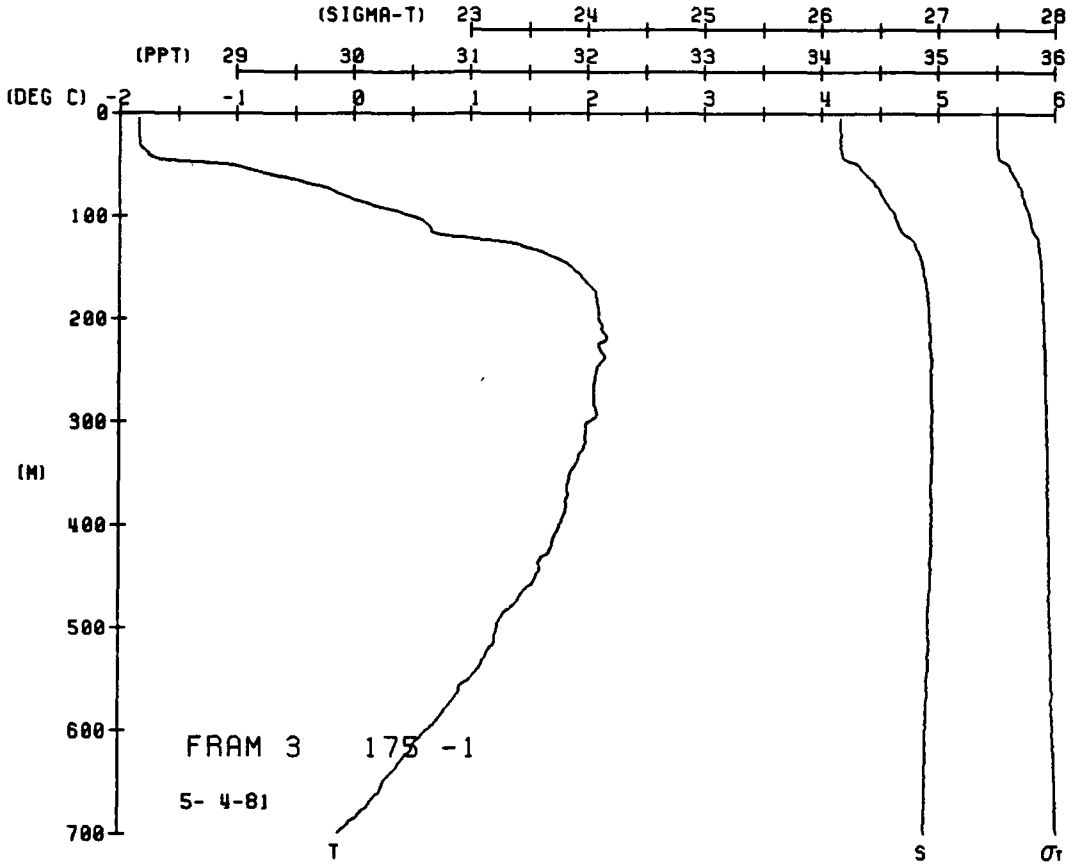


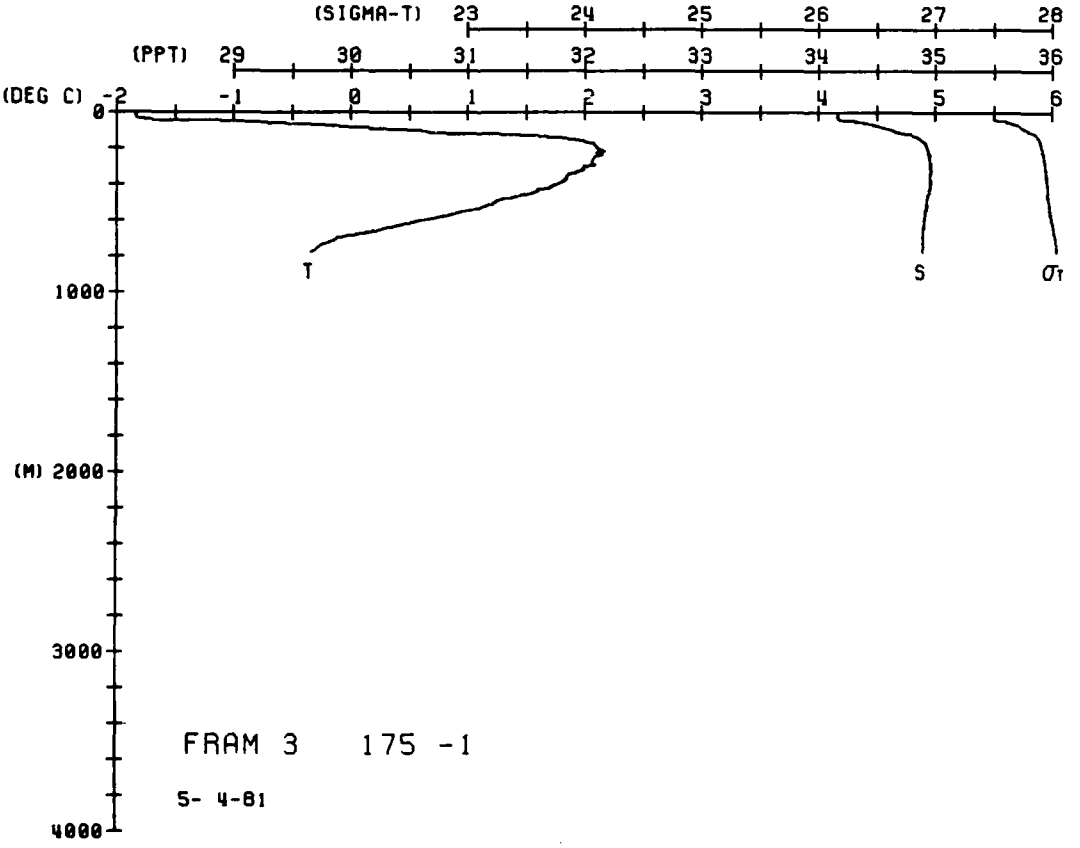


(SIGMA-T) 23 24 25 26 27 28

FRAM 3 STATION 175(1) CTD 4/MAY/1981 1007 GMT CODE = 5
LAT = 81.78424 LNG = 4.38378 LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

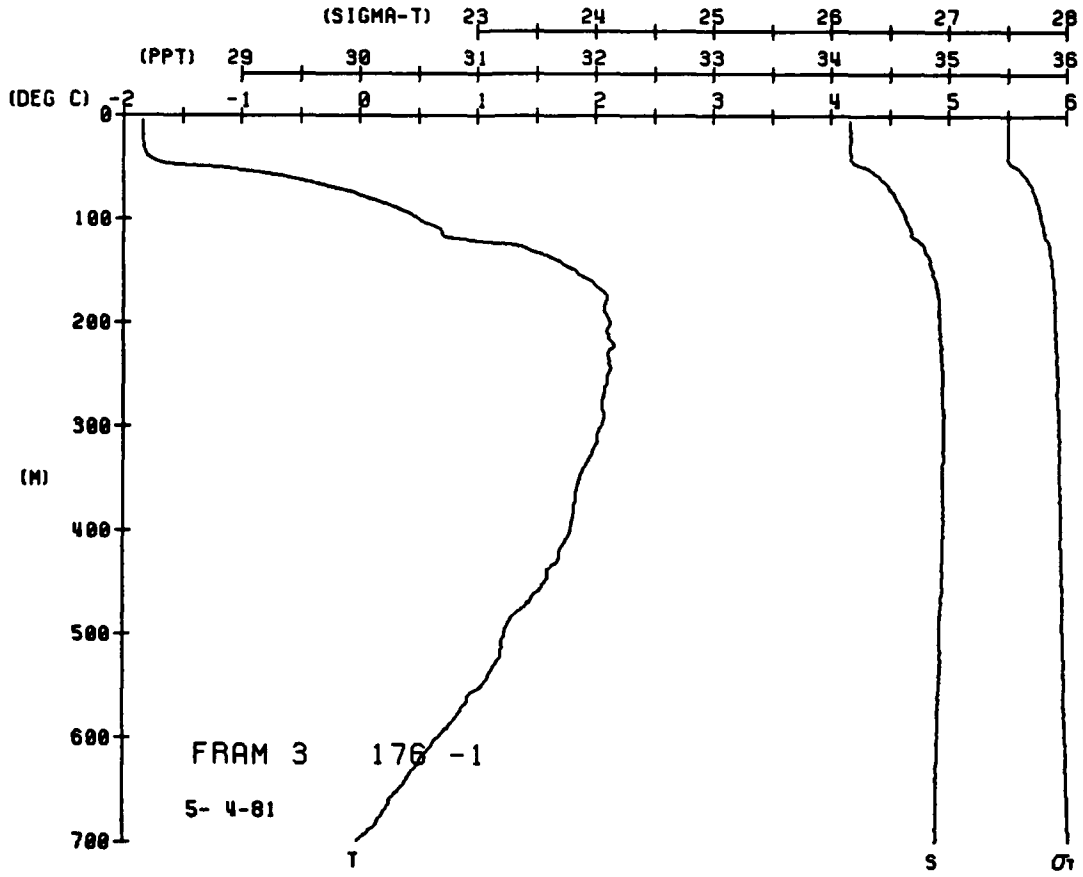
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.16	27.50	57.4	0.000	1439.6
4.0	-1.84	-1.84	34.16	27.50	57.4	0.002	1439.6
5.0	-1.84	-1.84	34.16	27.50	57.3	0.003	1439.6
10.0	-1.84	-1.84	34.16	27.50	57.3	0.006	1439.7
15.0	-1.84	-1.84	34.16	27.50	57.2	0.009	1439.8
20.0	-1.84	-1.84	34.16	27.50	57.2	0.012	1439.9
25.0	-1.84	-1.84	34.16	27.50	57.2	0.014	1440.0
30.0	-1.83	-1.83	34.16	27.50	57.1	0.017	1440.1
35.0	-1.81	-1.81	34.17	27.51	56.6	0.020	1440.3
40.0	-1.76	-1.76	34.18	27.51	56.3	0.023	1440.6
45.0	-1.62	-1.62	34.21	27.54	53.7	0.026	1441.4
50.0	-1.07	-1.07	34.32	27.61	47.2	0.028	1444.2
55.0	-0.88	-0.88	34.35	27.62	45.7	0.031	1445.3
60.0	-0.69	-0.69	34.39	27.65	43.2	0.033	1446.3
65.0	-0.49	-0.50	34.43	27.67	40.8	0.035	1447.3
70.0	-0.31	-0.32	34.47	27.69	38.9	0.037	1448.3
75.0	-0.17	-0.18	34.50	27.71	37.2	0.039	1449.0
80.0	-0.09	-0.09	34.52	27.73	35.9	0.041	1449.5
85.0	0.04	0.03	34.55	27.74	34.7	0.043	1450.3
90.0	0.19	0.19	34.58	27.76	33.1	0.044	1451.1
95.0	0.37	0.36	34.62	27.78	31.3	0.046	1452.0
100.0	0.51	0.50	34.64	27.78	30.6	0.048	1452.8
110.0	0.65	0.65	34.67	27.80	29.0	0.051	1453.6
120.0	0.90	0.90	34.75	27.85	24.7	0.053	1455.0
130.0	1.48	1.47	34.81	27.86	23.6	0.056	1457.9
140.0	1.72	1.71	34.85	27.88	22.5	0.058	1459.1
150.0	1.87	1.86	34.88	27.89	21.8	0.060	1460.0
160.0	1.96	1.95	34.90	27.89	21.0	0.062	1460.6
170.0	2.05	2.04	34.91	27.89	21.0	0.065	1461.2
180.0	2.08	2.07	34.92	27.90	20.4	0.067	1461.5
190.0	2.10	2.08	34.93	27.90	20.1	0.069	1461.7
200.0	2.10	2.09	34.93	27.91	19.8	0.071	1461.9
210.0	2.12	2.11	34.94	27.91	19.5	0.073	1462.2
220.0	2.16	2.14	34.94	27.91	19.6	0.075	1462.5
230.0	2.12	2.11	34.94	27.92	19.2	0.077	1462.5
240.0	2.13	2.12	34.95	27.92	18.9	0.079	1462.7
250.0	2.08	2.06	34.95	27.92	18.8	0.081	1462.7
260.0	2.07	2.05	34.95	27.92	18.5	0.082	1462.8
270.0	2.06	2.04	34.95	27.93	18.4	0.084	1462.9
280.0	2.06	2.04	34.95	27.93	18.2	0.086	1463.1
290.0	2.09	2.07	34.96	27.93	17.9	0.088	1463.4
300.0	2.02	2.00	34.95	27.93	18.0	0.090	1463.2
310.0	1.99	1.97	34.96	27.94	17.6	0.092	1463.3
320.0	1.99	1.97	34.96	27.94	17.6	0.093	1463.4
330.0	1.94	1.92	34.96	27.94	17.1	0.095	1463.4
340.0	1.91	1.89	34.96	27.94	17.1	0.097	1463.4
350.0	1.85	1.84	34.95	27.94	17.1	0.099	1463.3
360.0	1.84	1.82	34.95	27.95	16.8	0.100	1463.4
370.0	1.84	1.82	34.95	27.95	16.7	0.102	1463.6
380.0	1.83	1.80	34.95	27.95	16.8	0.104	1463.7
390.0	1.80	1.78	34.95	27.95	16.5	0.105	1463.8
400.0	1.77	1.74	34.95	27.95	16.3	0.107	1463.8
410.0	1.73	1.70	34.95	27.95	16.2	0.109	1463.8
420.0	1.70	1.68	34.95	27.96	16.1	0.110	1463.8
430.0	1.63	1.61	34.95	27.96	15.9	0.112	1463.7
440.0	1.58	1.57	34.94	27.96	15.9	0.114	1463.7
450.0	1.56	1.54	34.94	27.96	15.6	0.115	1463.7
460.0	1.49	1.47	34.94	27.96	15.3	0.117	1463.6
470.0	1.42	1.40	34.93	27.96	15.2	0.118	1463.4
480.0	1.35	1.33	34.93	27.96	15.1	0.120	1463.3
490.0	1.27	1.24	34.93	27.97	14.6	0.121	1463.0
500.0	1.24	1.21	34.92	27.97	14.6	0.123	1463.1
530.0	1.11	1.09	34.93	27.98	13.5	0.127	1463.0
560.0	0.91	0.88	34.92	27.98	12.8	0.131	1462.6
590.0	0.71	0.69	34.91	27.99	11.9	0.135	1462.2
620.0	0.49	0.46	34.90	28.00	10.8	0.138	1461.7
650.0	0.26	0.23	34.90	28.01	9.4	0.141	1461.1
680.0	0.06	0.03	34.89	28.02	8.4	0.144	1460.7
710.0	-0.14	-0.17	34.89	28.03	7.0	0.146	1460.3
740.0	-0.27	-0.30	34.89	28.03	6.1	0.148	1460.2
779.1	-0.37	-0.40	34.90	28.04	5.4	0.151	1460.5

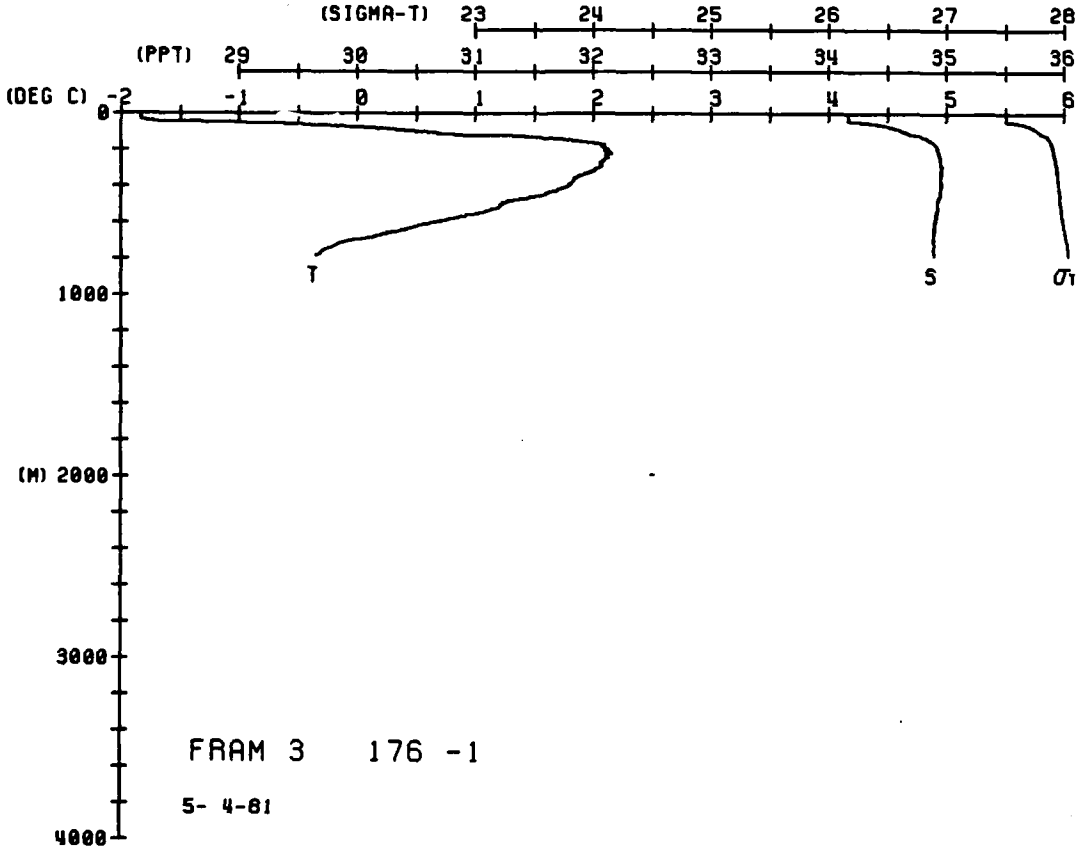

(SIGMA-T) 23 24 25 26 27 28
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(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 175 -1
5- 4-81


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
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(M) 2000
3000
4000
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FRAM 3 175 -1
5- 4-81

FRAM 3 STATION 176(1) CTD 4/MAY/1981 1037 GMT CODE = 5
LAT = 81.7835N LNG = 4.3705E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.16	27.50	57.4	0.000	1439.6
4.0	-1.84	-1.84	34.16	27.50	57.4	0.002	1439.6
5.0	-1.84	-1.84	34.16	27.50	57.3	0.003	1439.6
10.0	-1.84	-1.84	34.16	27.50	57.3	0.006	1439.7
15.0	-1.84	-1.84	34.16	27.50	57.1	0.009	1439.8
20.0	-1.84	-1.84	34.16	27.50	57.4	0.012	1439.9
25.0	-1.84	-1.84	34.16	27.50	57.1	0.015	1440.0
30.0	-1.83	-1.83	34.16	27.50	57.4	0.017	1440.1
35.0	-1.82	-1.82	34.16	27.50	57.1	0.020	1440.2
40.0	-1.79	-1.79	34.17	27.50	56.7	0.023	1440.5
45.0	-1.69	-1.69	34.19	27.52	55.2	0.026	1441.0
50.0	-1.25	-1.25	34.29	27.59	48.8	0.029	1443.4
55.0	-0.84	-0.84	34.36	27.63	44.7	0.031	1445.4
60.0	-0.58	-0.58	34.42	27.67	41.3	0.033	1446.8
65.0	-0.39	-0.39	34.46	27.69	39.0	0.035	1447.8
70.0	-0.20	-0.20	34.50	27.71	37.4	0.037	1448.9
75.0	-0.04	-0.04	34.53	27.73	35.3	0.039	1449.7
80.0	0.08	0.08	34.55	27.74	34.5	0.041	1450.4
85.0	0.21	0.21	34.59	27.76	32.8	0.042	1451.1
90.0	0.34	0.34	34.60	27.77	32.0	0.044	1451.8
95.0	0.43	0.43	34.62	27.78	31.0	0.046	1452.3
100.0	0.51	0.50	34.64	27.79	30.4	0.047	1452.8
110.0	0.69	0.68	34.68	27.81	28.5	0.050	1453.8
120.0	0.92	0.92	34.74	27.84	25.2	0.053	1455.1
130.0	1.45	1.45	34.81	27.86	24.0	0.055	1457.7
140.0	1.69	1.68	34.84	27.87	22.8	0.058	1459.0
150.0	1.84	1.83	34.87	27.88	22.1	0.060	1459.8
160.0	1.98	1.97	34.90	27.89	21.3	0.062	1460.7
170.0	2.07	2.06	34.91	27.90	20.8	0.064	1461.3
180.0	2.08	2.07	34.92	27.90	20.4	0.066	1461.5
190.0	2.09	2.08	34.92	27.90	20.5	0.068	1461.7
200.0	2.13	2.12	34.92	27.90	20.6	0.071	1462.0
210.0	2.11	2.10	34.93	27.91	19.9	0.073	1462.1
220.0	2.16	2.14	34.94	27.91	19.6	0.075	1462.5
230.0	2.11	2.09	34.94	27.92	19.2	0.077	1462.4
240.0	2.12	2.11	34.94	27.92	19.2	0.078	1462.7
250.0	2.10	2.09	34.95	27.92	18.7	0.080	1462.8
260.0	2.09	2.08	34.95	27.93	18.5	0.082	1462.9
270.0	2.07	2.05	34.95	27.92	18.8	0.084	1463.0
280.0	2.06	2.04	34.95	27.93	18.2	0.086	1463.1
290.0	2.08	2.06	34.96	27.94	17.7	0.088	1463.3
300.0	2.04	2.03	34.96	27.93	18.0	0.090	1463.4
310.0	2.01	1.99	34.96	27.94	17.4	0.091	1463.4
320.0	1.99	1.97	34.96	27.94	17.6	0.093	1463.4
330.0	1.95	1.93	34.96	27.94	17.2	0.095	1463.4
340.0	1.90	1.88	34.95	27.94	17.2	0.097	1463.4
350.0	1.87	1.85	34.95	27.94	17.0	0.098	1463.4
360.0	1.84	1.82	34.95	27.95	16.8	0.100	1463.5
370.0	1.83	1.81	34.95	27.95	16.9	0.102	1463.6
380.0	1.82	1.80	34.95	27.95	16.7	0.104	1463.7
390.0	1.80	1.78	34.96	27.95	16.4	0.105	1463.8
400.0	1.78	1.76	34.95	27.95	16.7	0.107	1463.9
410.0	1.75	1.72	34.95	27.95	16.4	0.109	1463.9
420.0	1.70	1.67	34.95	27.95	16.2	0.110	1463.8
430.0	1.68	1.66	34.95	27.96	16.1	0.112	1463.9
440.0	1.59	1.57	34.95	27.96	15.3	0.113	1463.7
450.0	1.56	1.53	34.94	27.96	15.5	0.115	1463.7
460.0	1.49	1.47	34.94	27.96	15.3	0.117	1463.6
470.0	1.43	1.40	34.94	27.96	15.1	0.118	1463.4
480.0	1.31	1.29	34.93	27.97	14.7	0.120	1463.1
490.0	1.26	1.23	34.92	27.97	14.8	0.121	1463.0
500.0	1.23	1.20	34.93	27.97	14.1	0.123	1463.0
530.0	1.14	1.11	34.93	27.98	13.5	0.127	1463.1
560.0	0.92	0.89	34.92	27.98	12.8	0.131	1462.6
590.0	0.74	0.71	34.91	27.99	12.1	0.135	1462.3
620.0	0.51	0.48	34.90	28.00	10.8	0.138	1461.8
650.0	0.33	0.30	34.90	28.00	10.2	0.141	1461.5
680.0	0.15	0.12	34.90	28.01	8.9	0.144	1461.2
710.0	-0.13	-0.16	34.89	28.03	7.2	0.147	1460.4
740.0	-0.23	-0.26	34.90	28.03	6.3	0.149	1460.4
784.0	-0.37	-0.40	34.90	28.04	5.4	0.151	1460.5


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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FRAM 3 176 -1
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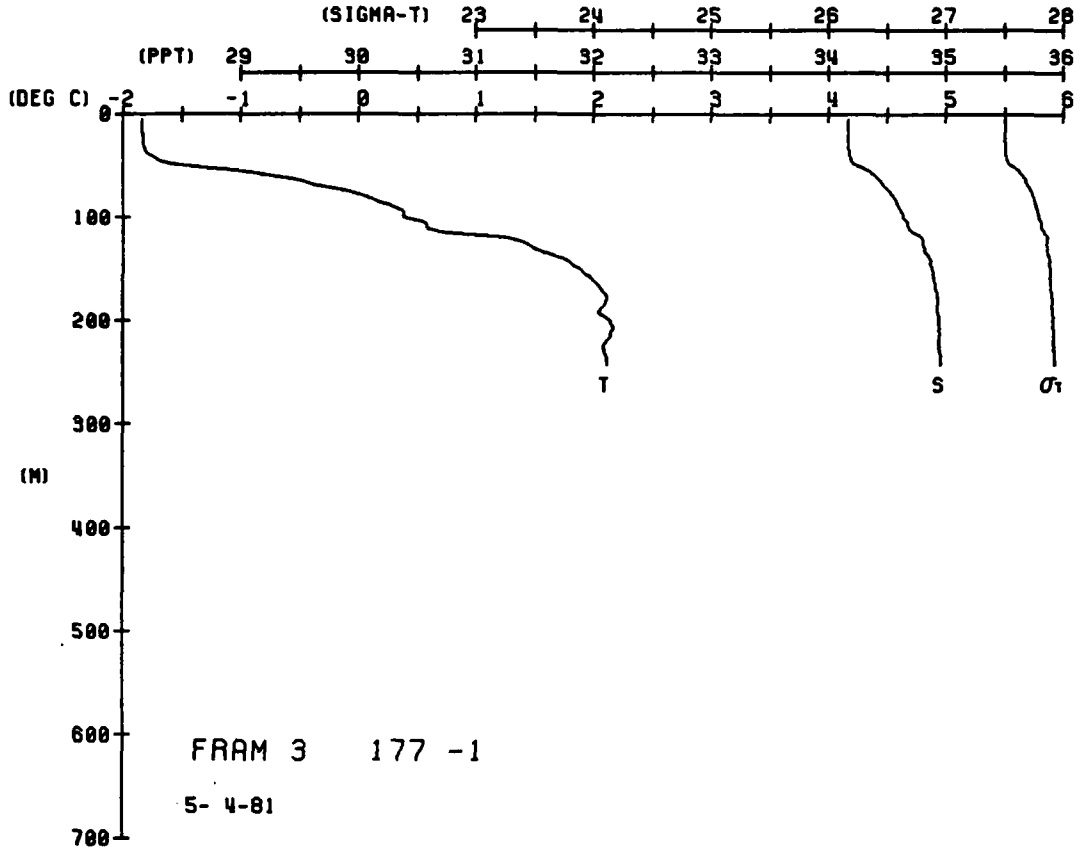

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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
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1000
(M) 2000
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4000
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FRAM 3 176 -1
5- 4-81

FRAM 3 STATION 177(1) CTD 4/MAY/1981 1115 GMT CODE = 5
LAT = 81.7832N LNG = 4.3613E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.84	-1.84	34.17	27.51	56.9	0.000	1439.6
4.0	-1.84	-1.84	34.17	27.51	56.8	0.002	1439.6
5.0	-1.84	-1.84	34.17	27.51	56.8	0.003	1439.6
10.0	-1.84	-1.84	34.17	27.51	56.7	0.006	1439.7
15.0	-1.84	-1.84	34.17	27.51	56.6	0.009	1439.8
20.0	-1.84	-1.84	34.17	27.50	57.0	0.011	1439.9
25.0	-1.83	-1.83	34.17	27.50	56.9	0.014	1440.0
30.0	-1.83	-1.83	34.17	27.51	56.5	0.017	1440.1
35.0	-1.82	-1.82	34.17	27.51	56.3	0.020	1440.3
40.0	-1.77	-1.77	34.18	27.51	55.9	0.023	1440.6
45.0	-1.69	-1.69	34.20	27.52	54.8	0.026	1441.1
50.0	-1.48	-1.49	34.25	27.56	51.1	0.028	1442.2
55.0	-1.01	-1.01	34.35	27.63	45.1	0.031	1444.6
60.0	-0.71	-0.71	34.41	27.66	41.8	0.033	1446.2
65.0	-0.48	-0.48	34.45	27.68	40.0	0.035	1447.4
70.0	-0.30	-0.30	34.49	27.71	37.8	0.037	1448.4
75.0	-0.09	-0.09	34.52	27.73	35.8	0.039	1449.5
80.0	0.06	0.06	34.56	27.75	34.1	0.041	1450.3
85.0	0.17	0.17	34.58	27.76	32.8	0.042	1450.9
90.0	0.31	0.31	34.60	27.77	31.9	0.044	1451.7
95.0	0.38	0.38	34.63	27.78	30.5	0.046	1452.1
100.0	0.40	0.40	34.64	27.79	29.5	0.047	1452.3
110.0	0.58	0.58	34.69	27.82	27.2	0.050	1453.3
120.0	1.26	1.25	34.80	27.86	23.3	0.053	1456.7
130.0	1.49	1.49	34.82	27.86	23.5	0.055	1457.9
140.0	1.75	1.74	34.87	27.88	21.7	0.057	1459.3
150.0	1.89	1.88	34.89	27.89	21.3	0.059	1460.1
160.0	2.00	1.99	34.90	27.89	21.0	0.061	1460.8
170.0	2.08	2.07	34.92	27.90	20.3	0.064	1461.3
180.0	2.11	2.10	34.93	27.91	19.9	0.066	1461.6
190.0	2.05	2.03	34.93	27.91	19.4	0.068	1461.5
200.0	2.14	2.13	34.94	27.91	19.4	0.070	1462.1
210.0	2.15	2.14	34.95	27.92	18.9	0.071	1462.3
220.0	2.10	2.09	34.94	27.92	19.1	0.073	1462.3
230.0	2.10	2.08	34.95	27.92	18.4	0.075	1462.4
240.0	2.12	2.10	34.96	27.93	17.9	0.077	1462.7
243.2	2.12	2.10	34.96	27.93	18.3	0.078	1462.7

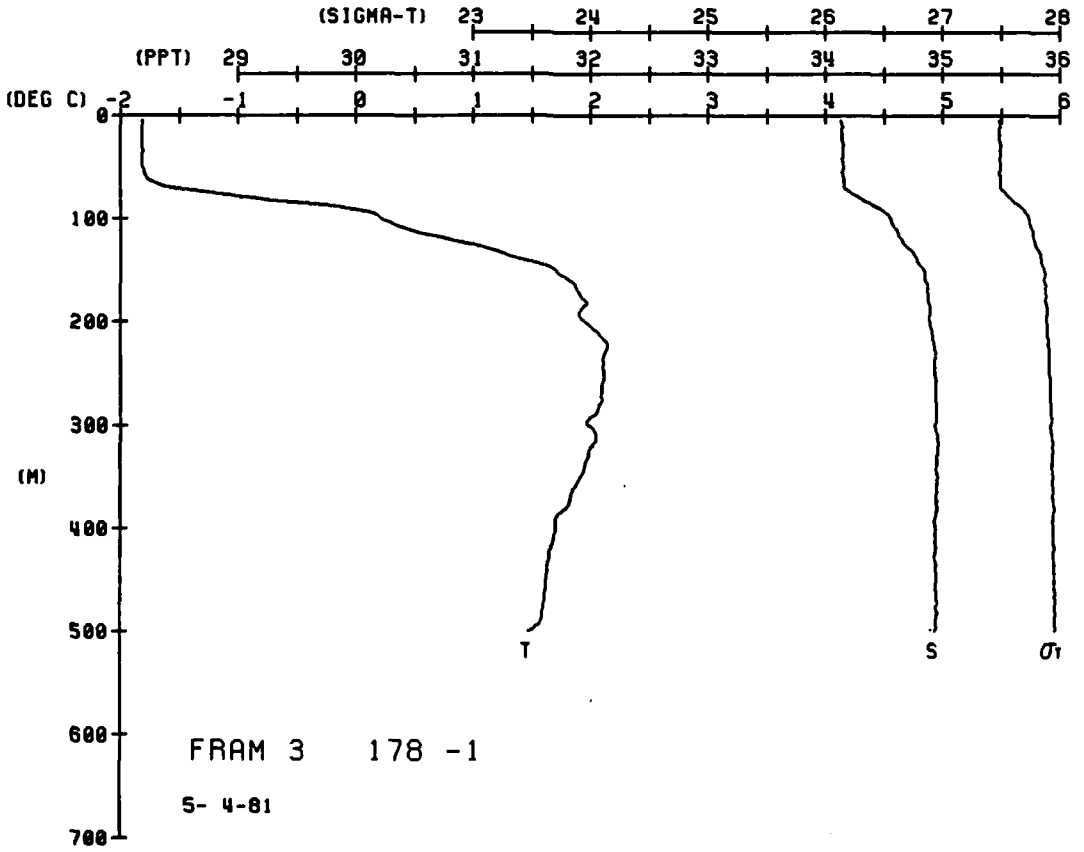
FRAM 3 STATION 178(1) CTD 4/MAY/1981 1351 GMT CODE = 5
LAT = 81.6783N LNG = 1.4117E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.82	-1.82	34.13	27.47	60.2	0.000	1439.6
4.0	-1.82	-1.82	34.13	27.47	60.1	0.002	1439.7
5.0	-1.82	-1.82	34.13	27.48	59.7	0.003	1439.7
10.0	-1.82	-1.82	34.15	27.49	58.4	0.006	1439.8
15.0	-1.82	-1.82	34.15	27.49	58.5	0.009	1439.9
20.0	-1.82	-1.82	34.15	27.49	58.3	0.012	1440.0
25.0	-1.82	-1.82	34.15	27.49	58.0	0.015	1440.1
30.0	-1.82	-1.82	34.16	27.50	57.6	0.018	1440.2
35.0	-1.81	-1.81	34.15	27.49	58.1	0.021	1440.3
40.0	-1.82	-1.82	34.15	27.49	58.1	0.024	1440.3
45.0	-1.82	-1.82	34.15	27.49	58.1	0.027	1440.4
50.0	-1.81	-1.81	34.16	27.50	57.5	0.030	1440.5
55.0	-1.80	-1.80	34.15	27.49	58.2	0.032	1440.6
60.0	-1.78	-1.78	34.15	27.49	57.6	0.035	1440.8
65.0	-1.72	-1.72	34.16	27.50	57.4	0.038	1441.2
70.0	-1.58	-1.58	34.17	27.50	57.1	0.041	1442.0
75.0	-1.25	-1.26	34.22	27.53	53.8	0.044	1443.7
80.0	-0.88	-0.89	34.29	27.58	49.9	0.047	1445.6
85.0	-0.45	-0.45	34.38	27.63	45.0	0.049	1447.8
90.0	-0.08	-0.08	34.48	27.69	39.6	0.051	1449.7
95.0	0.15	0.14	34.53	27.72	36.8	0.053	1450.9
100.0	0.22	0.21	34.56	27.74	34.6	0.055	1451.3
110.0	0.43	0.43	34.61	27.77	32.1	0.058	1452.6
120.0	0.79	0.79	34.65	27.78	31.0	0.061	1454.4
130.0	1.17	1.16	34.74	27.82	27.3	0.064	1456.4
140.0	1.43	1.43	34.78	27.84	25.6	0.067	1457.8
150.0	1.71	1.70	34.84	27.87	23.2	0.070	1459.3
160.0	1.83	1.82	34.86	27.87	23.1	0.072	1460.0
170.0	1.89	1.88	34.88	27.88	22.1	0.074	1460.4
180.0	1.97	1.96	34.88	27.88	22.2	0.076	1460.9
190.0	1.90	1.89	34.90	27.90	20.8	0.079	1460.8
200.0	1.96	1.95	34.90	27.89	21.3	0.081	1461.2
210.0	2.06	2.05	34.91	27.90	20.8	0.083	1461.9
220.0	2.14	2.13	34.93	27.90	20.5	0.085	1462.4
230.0	2.12	2.11	34.94	27.91	19.4	0.087	1462.5
240.0	2.11	2.10	34.94	27.91	19.6	0.089	1462.6
250.0	2.12	2.10	34.94	27.91	19.7	0.091	1462.8
260.0	2.10	2.09	34.95	27.92	19.0	0.093	1462.9
270.0	2.09	2.07	34.95	27.92	19.0	0.095	1463.0
280.0	2.08	2.06	34.95	27.93	18.4	0.097	1463.2
290.0	2.03	2.02	34.95	27.93	18.1	0.099	1463.1
300.0	1.98	1.97	34.94	27.92	18.8	0.100	1463.1
310.0	2.04	2.02	34.96	27.94	17.8	0.102	1463.5
320.0	2.01	1.99	34.97	27.94	17.1	0.104	1463.6
330.0	1.99	1.97	34.96	27.94	17.5	0.106	1463.6
340.0	1.96	1.94	34.96	27.94	17.5	0.108	1463.6
350.0	1.91	1.90	34.96	27.95	16.5	0.109	1463.6
360.0	1.86	1.84	34.96	27.95	16.5	0.111	1463.6
370.0	1.83	1.80	34.95	27.95	16.9	0.113	1463.6
380.0	1.79	1.77	34.96	27.96	16.0	0.114	1463.6
390.0	1.70	1.68	34.94	27.95	16.7	0.116	1463.3
400.0	1.71	1.68	34.95	27.95	16.4	0.118	1463.5
410.0	1.68	1.66	34.94	27.95	16.6	0.119	1463.6
420.0	1.65	1.63	34.95	27.96	16.1	0.121	1463.6
430.0	1.64	1.62	34.94	27.95	16.5	0.123	1463.7
440.0	1.63	1.61	34.95	27.96	16.0	0.124	1463.9
450.0	1.62	1.60	34.95	27.96	15.6	0.126	1464.0
460.0	1.62	1.59	34.95	27.96	15.5	0.127	1464.1
470.0	1.61	1.58	34.96	27.97	15.1	0.129	1464.3
480.0	1.60	1.57	34.96	27.97	14.9	0.130	1464.4
490.0	1.58	1.55	34.95	27.96	15.4	0.132	1464.4
500.0	1.47	1.44	34.94	27.96	15.6	0.134	1464.1



FRAM 3 177 -1

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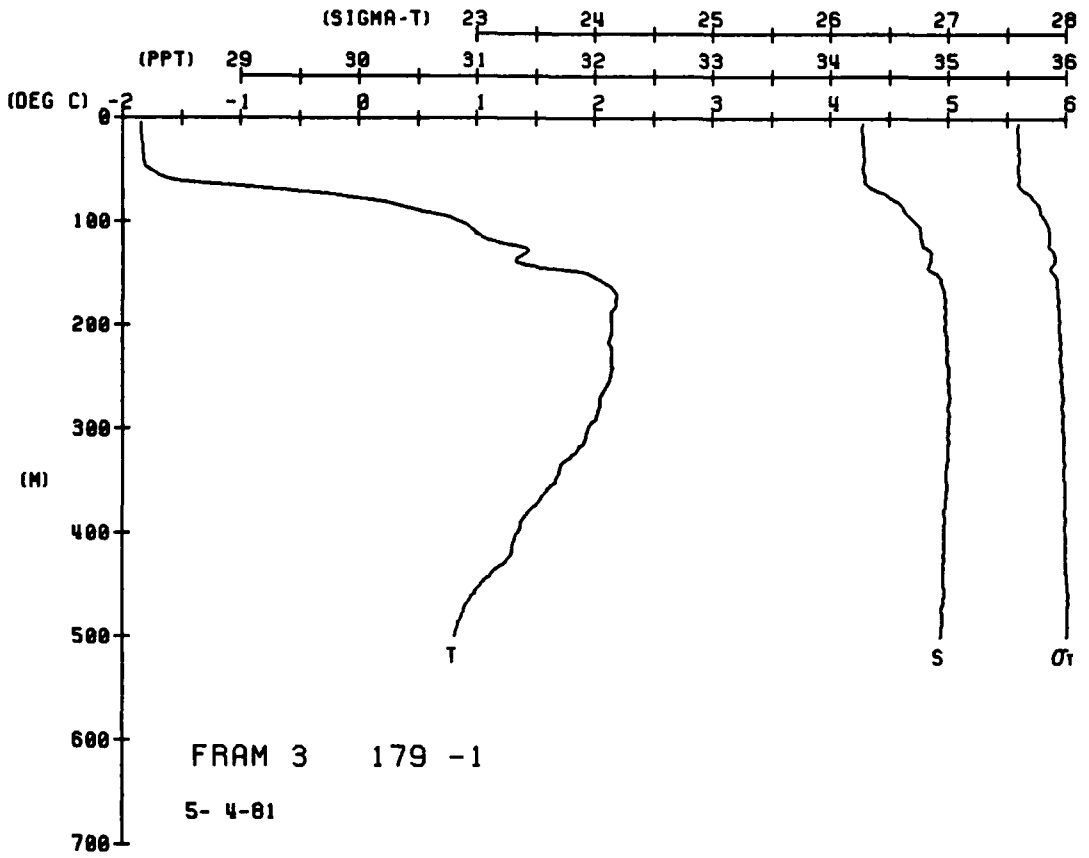


FRAM 3 178 -1

5- 4-81

FRAM 3 STATION 179(1) CTD 4/MAY/1981 1457 GMT CODE = 5
LAT = 81.4000N LNG = 3.4950E LTER = 300, LGER = 300,
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.85	-1.85	34.28	27.60	48.4	0.000	1439.7
4.0	-1.85	-1.85	34.28	27.60	48.4	0.002	1439.8
5.0	-1.85	-1.85	34.28	27.59	48.4	0.002	1439.8
10.0	-1.85	-1.85	34.27	27.59	49.0	0.005	1439.9
15.0	-1.85	-1.85	34.27	27.59	48.6	0.007	1439.9
20.0	-1.84	-1.84	34.27	27.59	48.6	0.010	1440.0
25.0	-1.84	-1.84	34.28	27.60	48.2	0.012	1440.2
30.0	-1.83	-1.83	34.28	27.60	47.8	0.015	1440.3
35.0	-1.83	-1.83	34.28	27.60	48.1	0.017	1440.4
40.0	-1.83	-1.83	34.29	27.60	47.4	0.020	1440.5
45.0	-1.82	-1.82	34.28	27.60	48.0	0.022	1440.6
50.0	-1.77	-1.77	34.28	27.59	48.2	0.024	1440.9
55.0	-1.70	-1.70	34.29	27.60	47.6	0.027	1441.3
60.0	-1.56	-1.56	34.29	27.60	47.6	0.029	1442.0
65.0	-1.13	-1.14	34.32	27.61	47.0	0.032	1444.2
70.0	-0.58	-0.59	34.40	27.65	43.3	0.034	1446.9
75.0	-0.16	-0.16	34.49	27.70	38.0	0.036	1449.1
80.0	0.16	0.16	34.56	27.74	34.7	0.038	1450.7
85.0	0.36	0.36	34.61	27.77	31.7	0.039	1451.8
90.0	0.54	0.54	34.63	27.78	30.9	0.041	1452.8
95.0	0.74	0.74	34.68	27.81	28.6	0.043	1453.8
100.0	0.87	0.86	34.73	27.83	26.0	0.044	1454.5
110.0	0.99	0.99	34.77	27.86	23.8	0.046	1455.3
120.0	1.19	1.19	34.78	27.85	24.3	0.049	1456.4
130.0	1.41	1.40	34.85	27.90	20.0	0.051	1457.6
140.0	1.37	1.36	34.84	27.89	20.8	0.053	1457.6
150.0	1.95	1.94	34.91	27.90	20.0	0.055	1460.4
160.0	2.10	2.09	34.95	27.92	18.5	0.057	1461.3
170.0	2.18	2.18	34.96	27.93	17.8	0.059	1461.8
180.0	2.18	2.17	34.97	27.94	17.2	0.061	1462.0
190.0	2.14	2.13	34.98	27.94	16.6	0.062	1462.0
200.0	2.14	2.13	34.97	27.94	16.8	0.064	1462.2
210.0	2.14	2.13	34.99	27.95	16.0	0.066	1462.3
220.0	2.14	2.12	34.99	27.95	15.8	0.067	1462.5
230.0	2.14	2.13	34.99	27.95	15.8	0.069	1462.7
240.0	2.15	2.14	35.00	27.96	15.2	0.071	1462.9
250.0	2.13	2.12	35.00	27.96	15.2	0.072	1463.0
260.0	2.09	2.08	35.01	27.97	14.5	0.074	1463.0
270.0	2.04	2.03	35.01	27.98	13.5	0.075	1462.9
280.0	2.04	2.02	35.00	27.97	14.5	0.076	1463.0
290.0	2.01	1.99	35.00	27.97	14.1	0.078	1463.1
300.0	1.94	1.92	35.00	27.98	13.8	0.079	1463.0
310.0	1.92	1.90	35.00	27.98	13.5	0.081	1463.0
320.0	1.85	1.83	34.99	27.98	13.5	0.082	1462.9
330.0	1.75	1.73	34.99	27.99	12.9	0.083	1462.6
340.0	1.70	1.68	34.98	27.98	13.4	0.085	1462.5
350.0	1.66	1.65	34.99	27.99	12.9	0.086	1462.6
360.0	1.58	1.56	34.98	27.99	12.6	0.087	1462.3
370.0	1.52	1.50	34.97	27.99	12.6	0.089	1462.2
380.0	1.43	1.41	34.97	27.99	12.5	0.090	1462.0
390.0	1.37	1.35	34.97	28.00	11.9	0.091	1461.9
400.0	1.34	1.32	34.97	27.99	12.0	0.092	1461.9
410.0	1.31	1.28	34.96	27.99	12.0	0.094	1461.9
420.0	1.29	1.27	34.96	27.99	12.0	0.095	1462.0
430.0	1.22	1.20	34.96	27.99	11.9	0.096	1461.9
440.0	1.12	1.10	34.95	28.00	11.3	0.097	1461.6
450.0	1.03	1.01	34.96	28.01	10.2	0.098	1461.4
460.0	0.96	0.94	34.96	28.02	9.4	0.099	1461.2
470.0	0.90	0.88	34.95	28.01	10.0	0.100	1461.1
480.0	0.87	0.84	34.95	28.01	10.1	0.101	1461.1
490.0	0.83	0.81	34.95	28.01	9.9	0.102	1461.1
499.0	0.81	0.79	34.93	28.01	10.6	0.103	1461.2

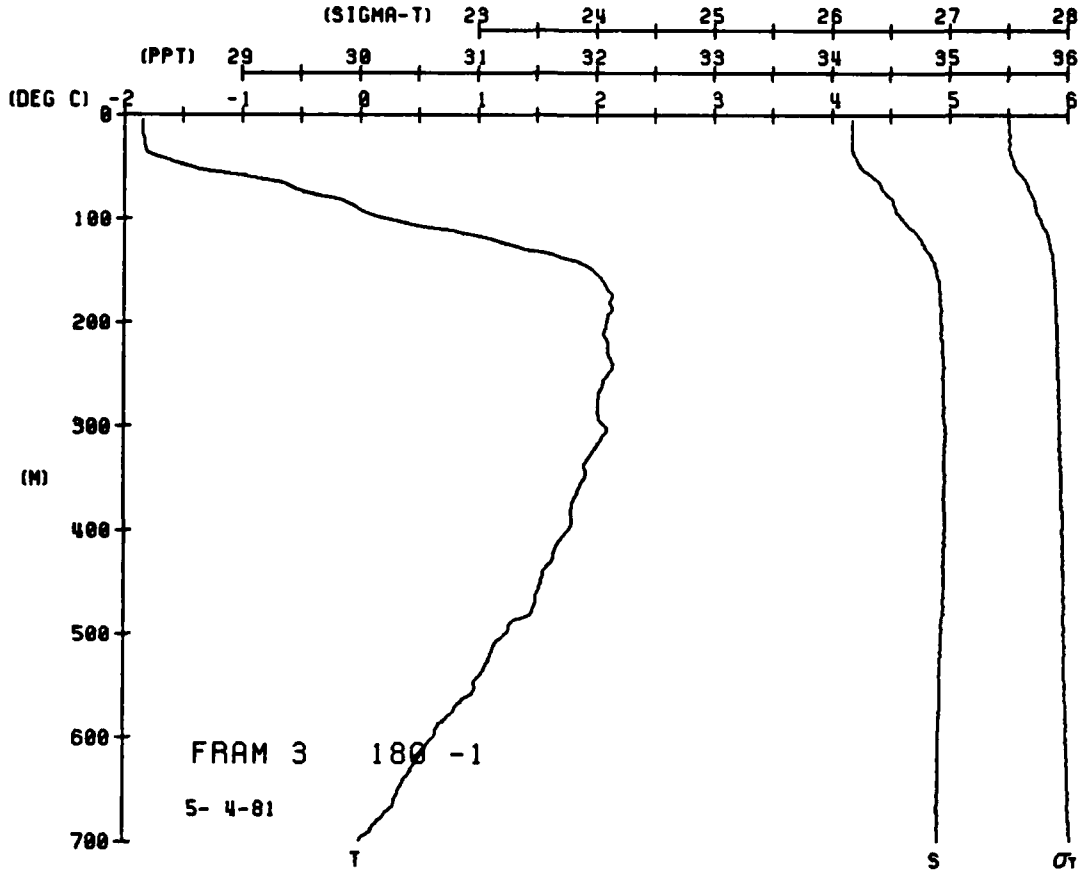


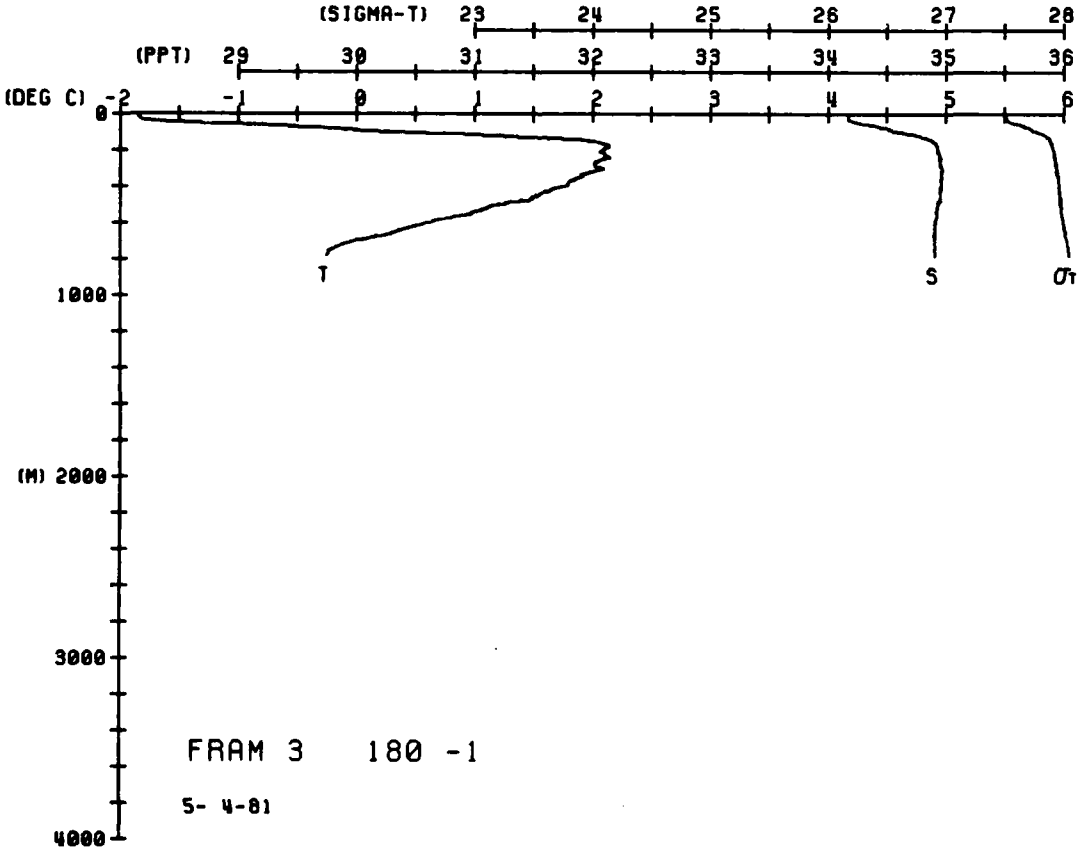
FRAM 3 179 -1

5- 4-81

FRAM 3 STATION 180(1) CTD 4/MAY/1981 2013 GMT CODE = 5
LAT = 81.7753N LNG = 4.1732E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.51	56.5	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.51	56.4	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.51	56.5	0.003	1439.6
10.0	-1.85	-1.85	34.17	27.51	56.3	0.006	1439.7
15.0	-1.84	-1.84	34.17	27.51	56.4	0.009	1439.8
20.0	-1.84	-1.84	34.18	27.51	56.0	0.011	1439.9
25.0	-1.83	-1.83	34.17	27.51	56.3	0.014	1440.0
30.0	-1.82	-1.82	34.17	27.51	56.4	0.017	1440.2
35.0	-1.81	-1.81	34.18	27.51	56.0	0.020	1440.3
40.0	-1.73	-1.73	34.20	27.53	54.3	0.023	1440.8
45.0	-1.57	-1.57	34.23	27.55	52.9	0.025	1441.7
50.0	-1.44	-1.44	34.25	27.56	51.3	0.028	1442.4
55.0	-1.21	-1.22	34.30	27.59	48.6	0.031	1443.6
60.0	-0.92	-0.93	34.35	27.63	45.1	0.033	1445.1
65.0	-0.67	-0.67	34.41	27.66	42.2	0.035	1446.5
70.0	-0.56	-0.57	34.43	27.67	41.1	0.037	1447.1
75.0	-0.45	-0.45	34.46	27.69	39.1	0.039	1447.7
80.0	-0.23	-0.24	34.50	27.72	36.6	0.041	1448.9
85.0	-0.10	-0.10	34.53	27.73	35.4	0.043	1449.6
90.0	-0.02	-0.02	34.54	27.74	34.6	0.045	1450.1
95.0	0.06	0.06	34.56	27.75	33.6	0.047	1450.5
100.0	0.23	0.22	34.61	27.78	31.3	0.048	1451.5
110.0	0.67	0.66	34.69	27.82	27.7	0.051	1453.7
120.0	1.11	1.11	34.76	27.85	24.9	0.054	1456.0
130.0	1.43	1.42	34.82	27.87	23.1	0.056	1457.6
140.0	1.79	1.79	34.87	27.88	21.7	0.058	1459.5
150.0	1.98	1.97	34.90	27.89	21.2	0.061	1460.5
160.0	2.07	2.06	34.91	27.90	20.7	0.063	1461.1
170.0	2.12	2.11	34.92	27.90	20.3	0.065	1461.5
180.0	2.12	2.11	34.93	27.90	20.1	0.067	1461.7
190.0	2.12	2.11	34.94	27.91	19.6	0.069	1461.8
200.0	2.09	2.08	34.94	27.92	19.2	0.071	1461.9
210.0	2.07	2.05	34.94	27.92	18.9	0.073	1461.9
220.0	2.11	2.09	34.94	27.92	18.9	0.075	1462.3
230.0	2.11	2.10	34.95	27.92	18.7	0.077	1462.5
240.0	2.15	2.14	34.96	27.93	18.4	0.078	1462.8
250.0	2.10	2.09	34.95	27.93	18.4	0.080	1462.8
260.0	2.06	2.05	34.96	27.93	17.8	0.082	1462.8
270.0	2.03	2.01	34.96	27.94	17.5	0.084	1462.8
280.0	2.02	2.00	34.96	27.94	17.1	0.086	1462.9
290.0	2.03	2.01	34.96	27.94	17.6	0.087	1463.1
300.0	2.08	2.07	34.97	27.94	17.0	0.089	1463.6
310.0	2.06	2.04	34.97	27.94	17.0	0.091	1463.6
320.0	2.00	1.98	34.97	27.94	16.9	0.093	1463.5
330.0	1.94	1.92	34.96	27.95	16.6	0.094	1463.4
340.0	1.90	1.89	34.97	27.96	16.0	0.096	1463.4
350.0	1.90	1.89	34.97	27.95	16.1	0.098	1463.6
360.0	1.86	1.84	34.97	27.96	16.0	0.099	1463.6
370.0	1.82	1.80	34.96	27.95	16.1	0.101	1463.5
380.0	1.79	1.77	34.97	27.96	15.4	0.102	1463.6
390.0	1.79	1.77	34.97	27.96	15.5	0.104	1463.8
400.0	1.77	1.74	34.96	27.96	15.7	0.106	1463.8
410.0	1.70	1.67	34.96	27.96	15.5	0.107	1463.7
420.0	1.65	1.62	34.96	27.97	15.1	0.109	1463.6
430.0	1.62	1.60	34.96	27.97	15.0	0.110	1463.7
440.0	1.55	1.53	34.96	27.97	14.6	0.112	1463.5
450.0	1.53	1.51	34.96	27.97	14.4	0.113	1463.6
460.0	1.50	1.48	34.96	27.97	14.3	0.115	1463.6
470.0	1.49	1.46	34.95	27.97	14.3	0.116	1463.7
480.0	1.46	1.43	34.95	27.97	14.3	0.118	1463.8
490.0	1.28	1.25	34.94	27.97	14.1	0.119	1463.1
500.0	1.24	1.21	34.94	27.98	13.8	0.120	1463.1
530.0	1.07	1.04	34.93	27.98	13.2	0.125	1462.8
560.0	0.92	0.90	34.92	27.99	12.4	0.128	1462.7
590.0	0.66	0.63	34.91	28.00	11.1	0.132	1462.0
620.0	0.50	0.47	34.91	28.01	10.1	0.135	1461.7
650.0	0.33	0.31	34.91	28.01	9.3	0.138	1461.5
680.0	0.17	0.14	34.91	28.02	8.1	0.141	1461.2
710.0	-0.07	-0.10	34.91	28.03	6.6	0.143	1460.7
740.0	-0.18	-0.21	34.91	28.04	5.9	0.145	1460.7
786.0	-0.27	-0.30	34.91	28.05	4.7	0.147	1461.0


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
100
200
300
(M)
400
500
600
700
FRAM 3 180 -1
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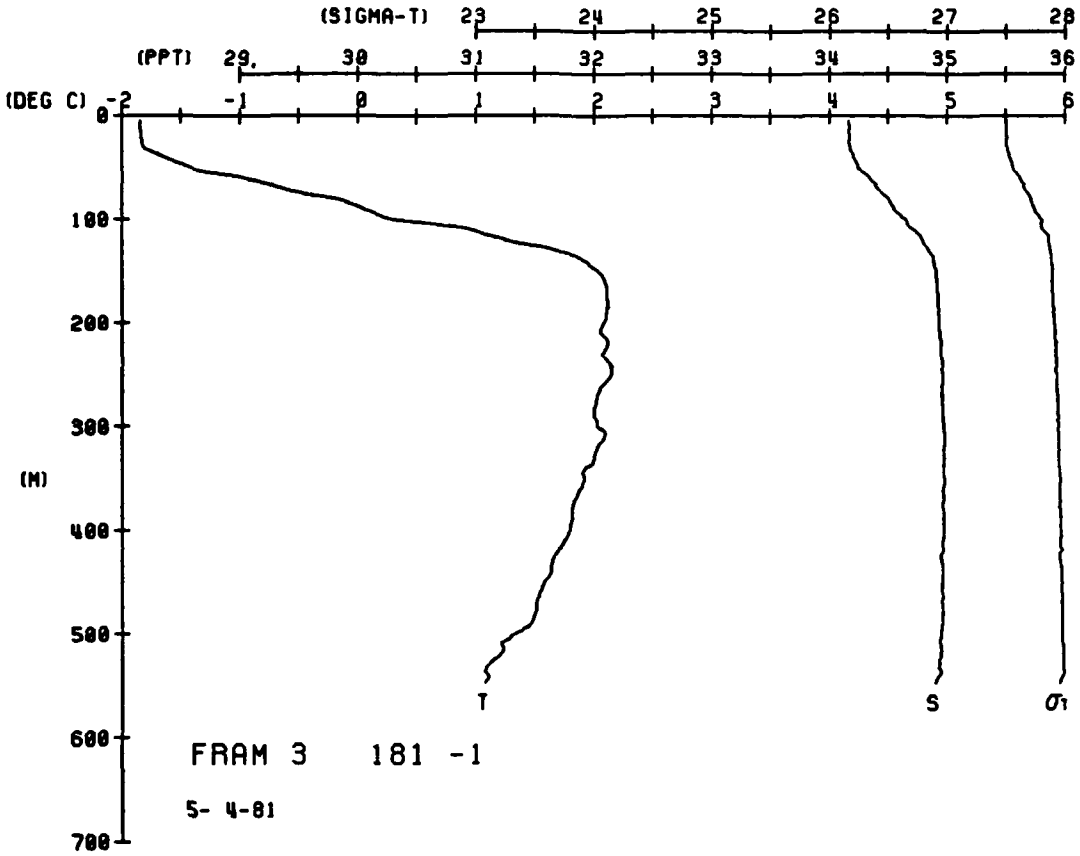

(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4 5 6
0
1000
(M) 2000
3000
4000
FRAM 3 180 -1
5- 4-81
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FRAM 3 STATION 181(1) CTD 4/MAY/1981 2110 GMT CODE = 5
LAT = 81.7750N LNG = 4.1690E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.51	56.4	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.51	56.4	0.002	1439.6
5.0	-1.84	-1.84	34.17	27.51	56.8	0.003	1439.6
10.0	-1.84	-1.84	34.17	27.51	56.6	0.006	1439.7
15.0	-1.84	-1.84	34.17	27.51	56.8	0.009	1439.8
20.0	-1.84	-1.84	34.17	27.51	56.3	0.011	1439.9
25.0	-1.83	-1.83	34.17	27.51	56.6	0.014	1440.1
30.0	-1.81	-1.81	34.18	27.51	56.0	0.017	1440.2
35.0	-1.75	-1.75	34.19	27.52	55.0	0.020	1440.6
40.0	-1.64	-1.64	34.21	27.54	53.8	0.023	1441.3
45.0	-1.52	-1.52	34.23	27.55	52.3	0.025	1441.9
50.0	-1.41	-1.42	34.25	27.56	51.6	0.028	1442.5
55.0	-1.23	-1.23	34.29	27.59	48.6	0.031	1443.5
60.0	-0.96	-0.96	34.35	27.62	45.6	0.033	1444.9
65.0	-0.78	-0.79	34.38	27.64	43.6	0.035	1445.9
70.0	-0.64	-0.64	34.41	27.66	41.8	0.037	1446.7
75.0	-0.47	-0.48	34.45	27.69	39.4	0.039	1447.6
80.0	-0.21	-0.21	34.51	27.72	36.6	0.041	1449.0
85.0	-0.05	-0.05	34.53	27.73	35.8	0.043	1449.8
90.0	0.06	0.06	34.55	27.74	34.3	0.045	1450.4
95.0	0.17	0.16	34.59	27.77	31.8	0.047	1451.1
100.0	0.31	0.30	34.65	27.81	28.3	0.048	1451.9
110.0	0.95	0.95	34.74	27.82	27.2	0.051	1455.0
120.0	1.25	1.24	34.79	27.86	23.6	0.053	1456.6
130.0	1.69	1.68	34.85	27.88	22.1	0.056	1458.8
140.0	1.93	1.92	34.89	27.89	21.3	0.058	1460.1
150.0	2.04	2.03	34.91	27.90	20.7	0.060	1460.8
160.0	2.10	2.09	34.92	27.90	20.7	0.062	1461.2
170.0	2.12	2.11	34.92	27.90	20.6	0.064	1461.5
180.0	2.12	2.11	34.93	27.91	20.0	0.066	1461.7
190.0	2.11	2.09	34.93	27.91	19.9	0.068	1461.8
200.0	2.08	2.07	34.94	27.91	19.2	0.070	1461.9
210.0	2.07	2.06	34.94	27.92	18.8	0.072	1462.0
220.0	2.12	2.11	34.95	27.92	18.5	0.074	1462.4
230.0	2.08	2.06	34.95	27.93	18.2	0.076	1462.3
240.0	2.14	2.13	34.96	27.93	18.4	0.078	1462.8
250.0	2.15	2.13	34.97	27.93	17.8	0.080	1463.0
260.0	2.07	2.05	34.96	27.93	17.9	0.081	1462.8
270.0	2.03	2.01	34.96	27.94	17.4	0.083	1462.8
280.0	2.01	1.99	34.96	27.94	17.2	0.085	1462.9
290.0	2.01	1.99	34.97	27.95	16.7	0.087	1463.0
300.0	2.04	2.02	34.97	27.95	16.8	0.088	1463.4
310.0	2.09	2.07	34.98	27.95	16.7	0.090	1463.7
320.0	2.03	2.01	34.98	27.95	16.4	0.092	1463.6
330.0	2.00	1.98	34.98	27.95	16.2	0.093	1463.7
340.0	1.93	1.91	34.97	27.96	16.0	0.095	1463.5
350.0	1.91	1.90	34.98	27.96	15.3	0.097	1463.7
360.0	1.88	1.86	34.97	27.96	16.0	0.098	1463.7
370.0	1.84	1.82	34.97	27.96	15.5	0.100	1463.6
380.0	1.82	1.80	34.97	27.96	15.2	0.101	1463.7
390.0	1.81	1.79	34.97	27.97	15.1	0.103	1463.9
400.0	1.79	1.77	34.97	27.97	14.9	0.104	1463.9
410.0	1.75	1.73	34.97	27.97	15.1	0.106	1463.9
420.0	1.69	1.67	34.96	27.97	15.1	0.107	1463.8
430.0	1.65	1.63	34.96	27.96	15.2	0.109	1463.8
440.0	1.63	1.61	34.96	27.97	14.7	0.111	1463.9
450.0	1.58	1.55	34.96	27.98	14.1	0.112	1463.8
460.0	1.54	1.52	34.96	27.98	13.9	0.113	1463.8
470.0	1.51	1.49	34.96	27.98	14.0	0.115	1463.9
480.0	1.51	1.48	34.96	27.98	13.8	0.116	1464.0
490.0	1.46	1.44	34.96	27.98	13.4	0.118	1464.0
500.0	1.33	1.30	34.95	27.98	13.3	0.119	1463.5
530.0	1.10	1.07	34.94	27.99	12.6	0.123	1463.0
547.4	1.07	1.04	34.90	27.96	15.3	0.125	1463.1

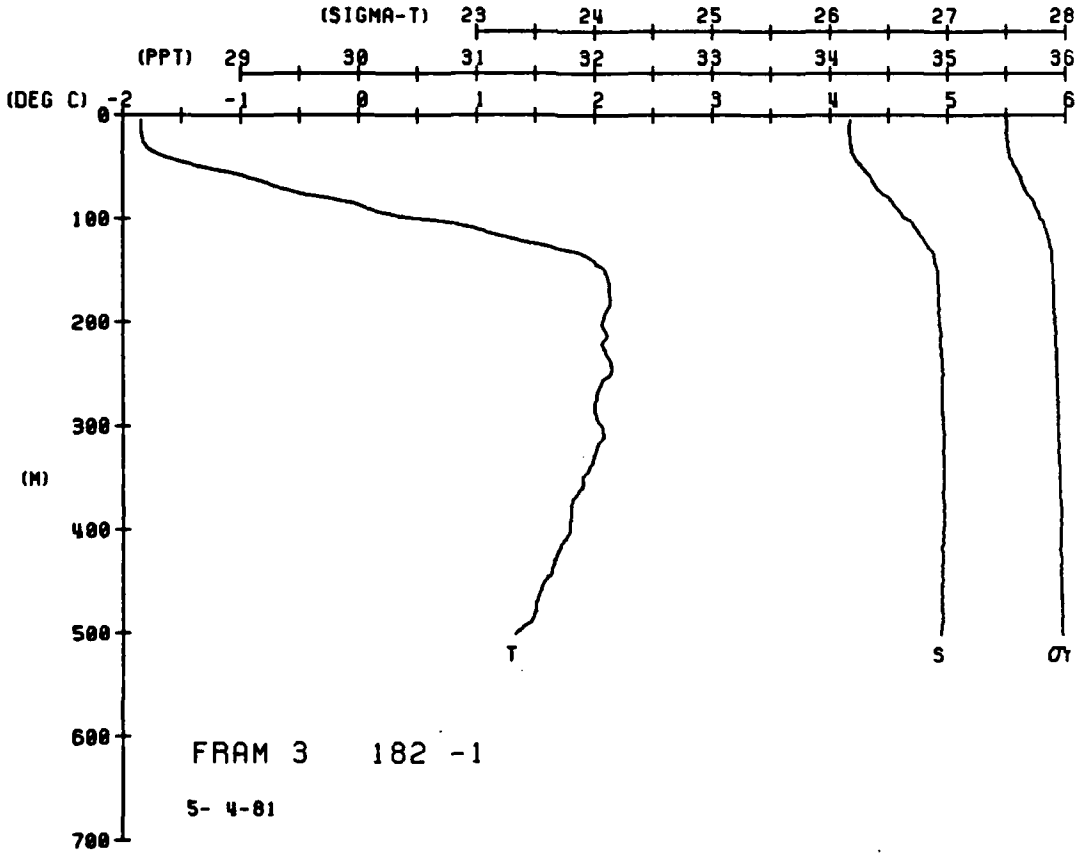
FRAM 3 STATION 182(1) CTD 4/MAY/1981 2148 GMT CODE = 5
LAT = 81.7737N LNG = 4.1552E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.17	27.51	56.5	0.000	1439.5
4.0	-1.85	-1.85	34.17	27.51	56.4	0.002	1439.6
5.0	-1.85	-1.85	34.17	27.51	56.5	0.003	1439.6
10.0	-1.84	-1.84	34.17	27.50	56.9	0.006	1439.7
15.0	-1.84	-1.84	34.17	27.51	56.7	0.009	1439.8
20.0	-1.84	-1.84	34.17	27.51	56.6	0.011	1439.9
25.0	-1.82	-1.82	34.18	27.51	56.1	0.014	1440.1
30.0	-1.80	-1.80	34.18	27.51	55.9	0.017	1440.3
35.0	-1.74	-1.74	34.19	27.52	55.0	0.020	1440.6
40.0	-1.64	-1.65	34.21	27.53	53.9	0.023	1441.2
45.0	-1.49	-1.49	34.24	27.55	52.1	0.025	1442.1
50.0	-1.32	-1.32	34.27	27.57	50.3	0.028	1443.0
55.0	-1.09	-1.09	34.31	27.60	47.6	0.030	1444.2
60.0	-0.93	-0.93	34.35	27.62	45.5	0.033	1445.1
65.0	-0.79	-0.79	34.38	27.64	44.0	0.035	1445.9
70.0	-0.68	-0.68	34.40	27.65	42.6	0.037	1446.5
75.0	-0.53	-0.53	34.44	27.68	40.2	0.039	1447.3
80.0	-0.28	-0.28	34.50	27.72	36.6	0.041	1448.7
85.0	-0.04	-0.05	34.54	27.74	34.9	0.043	1449.9
90.0	0.07	0.07	34.57	27.76	32.9	0.045	1450.5
95.0	0.22	0.22	34.61	27.78	31.1	0.046	1451.3
100.0	0.50	0.50	34.65	27.80	29.4	0.048	1452.8
110.0	1.01	1.00	34.74	27.84	25.7	0.051	1455.3
120.0	1.33	1.32	34.80	27.86	23.5	0.053	1457.0
130.0	1.76	1.75	34.87	27.88	21.6	0.055	1459.2
140.0	1.99	1.98	34.90	27.89	21.2	0.058	1460.4
150.0	2.09	2.08	34.92	27.90	20.5	0.060	1461.0
160.0	2.12	2.12	34.92	27.90	20.1	0.062	1461.3
170.0	2.13	2.12	34.93	27.90	20.3	0.064	1461.5
180.0	2.13	2.12	34.93	27.90	20.4	0.066	1461.7
190.0	2.09	2.08	34.93	27.91	19.6	0.068	1461.7
200.0	2.07	2.05	34.93	27.91	19.2	0.070	1461.8
210.0	2.10	2.09	34.95	27.92	18.5	0.072	1462.1
220.0	2.07	2.05	34.94	27.92	18.9	0.074	1462.1
230.0	2.10	2.09	34.95	27.93	18.4	0.076	1462.4
240.0	2.14	2.13	34.96	27.93	18.2	0.077	1462.8
250.0	2.14	2.12	34.96	27.93	18.1	0.079	1462.9
260.0	2.06	2.04	34.95	27.93	18.1	0.081	1462.7
270.0	2.02	2.00	34.96	27.94	17.4	0.083	1462.8
280.0	2.00	1.99	34.96	27.94	17.5	0.085	1462.9
290.0	2.02	2.00	34.96	27.94	17.1	0.086	1463.1
300.0	2.07	2.05	34.97	27.94	17.1	0.088	1463.5
310.0	2.08	2.06	34.97	27.94	17.1	0.090	1463.7
320.0	2.03	2.01	34.97	27.95	16.8	0.092	1463.6
330.0	2.00	1.98	34.97	27.95	16.6	0.093	1463.7
340.0	1.96	1.94	34.97	27.95	16.3	0.095	1463.7
350.0	1.90	1.89	34.97	27.95	16.2	0.097	1463.6
360.0	1.89	1.87	34.97	27.96	16.0	0.098	1463.7
370.0	1.82	1.80	34.97	27.96	15.5	0.100	1463.6
380.0	1.80	1.78	34.97	27.96	15.5	0.101	1463.7
390.0	1.80	1.78	34.97	27.97	15.4	0.103	1463.8
400.0	1.79	1.77	34.97	27.97	15.2	0.105	1463.9
410.0	1.75	1.72	34.97	27.96	15.2	0.106	1463.9
420.0	1.70	1.68	34.96	27.96	15.2	0.108	1463.8
430.0	1.66	1.64	34.97	27.97	14.5	0.109	1463.8
440.0	1.64	1.62	34.96	27.97	15.0	0.111	1463.9
450.0	1.57	1.55	34.96	27.97	14.3	0.112	1463.8
460.0	1.54	1.52	34.96	27.97	14.3	0.114	1463.8
470.0	1.51	1.49	34.96	27.98	14.1	0.115	1463.9
480.0	1.50	1.47	34.96	27.98	13.9	0.116	1464.0
490.0	1.45	1.43	34.96	27.98	13.5	0.118	1463.9
500.0	1.34	1.31	34.95	27.98	13.5	0.119	1463.5
502.0	1.32	1.29	34.95	27.98	13.4	0.119	1463.5



FRAM 3 181 -1

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FRAM 3 182 -1

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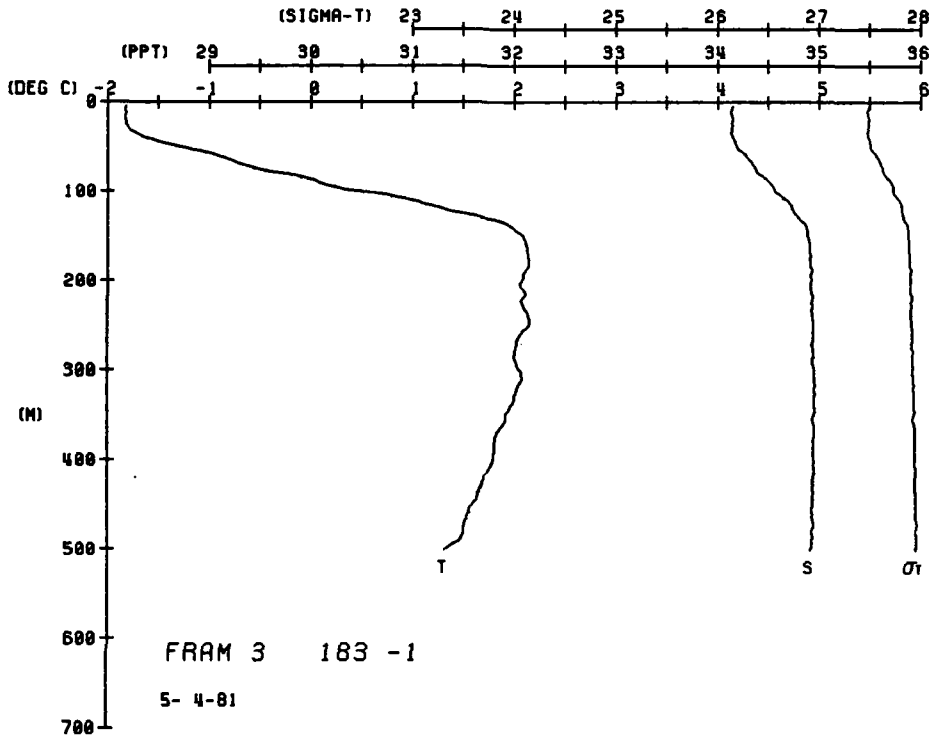
FRAM 3 STATION 183(1) CTD 4/MAY/1981 2149 GMT CODE = 5
LAT = 81.7737N LNG = 4.1552E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.82	-1.82	34.15	27.49	58.5	0.000	1439.6
4.0	-1.82	-1.82	34.15	27.49	58.4	0.002	1439.7
5.0	-1.82	-1.82	34.15	27.49	58.5	0.003	1439.7
10.0	-1.82	-1.82	34.14	27.48	59.2	0.006	1439.8
15.0	-1.83	-1.83	34.14	27.48	58.8	0.009	1439.6
20.0	-1.82	-1.82	34.15	27.49	58.2	0.012	1440.0
25.0	-1.81	-1.81	34.15	27.49	58.4	0.015	1440.1
30.0	-1.78	-1.78	34.14	27.48	58.6	0.018	1440.3
35.0	-1.72	-1.72	34.14	27.48	59.2	0.021	1440.7
40.0	-1.62	-1.63	34.16	27.49	57.6	0.024	1441.2
45.0	-1.47	-1.47	34.17	27.50	57.1	0.027	1442.1
50.0	-1.29	-1.29	34.19	27.51	56.4	0.029	1443.0
55.0	-1.08	-1.08	34.23	27.54	53.7	0.032	1444.2
60.0	-0.92	-0.92	34.28	27.57	50.7	0.035	1445.1
65.0	-0.79	-0.79	34.32	27.60	48.1	0.037	1445.8
70.0	-0.67	-0.67	34.35	27.61	46.3	0.040	1446.5
75.0	-0.53	-0.53	34.38	27.63	45.0	0.042	1447.2
80.0	-0.30	-0.30	34.41	27.64	43.7	0.044	1448.4
85.0	-0.05	-0.05	34.47	27.68	40.1	0.046	1449.8
90.0	0.08	0.08	34.52	27.71	37.0	0.048	1450.5
95.0	0.22	0.21	34.55	27.73	35.5	0.050	1451.2
100.0	0.47	0.47	34.57	27.73	35.4	0.052	1452.5
110.0	1.00	0.99	34.69	27.79	29.9	0.055	1455.2
120.0	1.31	1.31	34.74	27.82	27.9	0.058	1456.8
130.0	1.74	1.73	34.81	27.84	26.2	0.061	1459.0
140.0	1.98	1.97	34.88	27.88	22.6	0.063	1460.3
150.0	2.09	2.08	34.89	27.88	22.4	0.066	1461.0
160.0	2.12	2.12	34.91	27.89	21.5	0.068	1461.3
170.0	2.13	2.13	34.92	27.89	21.0	0.070	1461.6
180.0	2.14	2.13	34.92	27.89	21.1	0.072	1461.7
190.0	2.10	2.09	34.93	27.90	20.1	0.074	1461.7
200.0	2.07	2.06	34.92	27.91	20.1	0.076	1461.8
210.0	2.09	2.08	34.92	27.90	20.5	0.078	1462.0
220.0	2.07	2.06	34.94	27.91	19.3	0.080	1462.1
230.0	2.10	2.09	34.94	27.92	19.3	0.082	1462.4
240.0	2.14	2.13	34.94	27.91	19.5	0.084	1462.8
250.0	2.14	2.13	34.95	27.92	18.9	0.086	1463.0
260.0	2.06	2.05	34.95	27.92	18.6	0.088	1462.8
270.0	2.03	2.01	34.94	27.92	19.0	0.090	1462.8
280.0	2.01	1.99	34.95	27.93	18.0	0.092	1462.9
290.0	2.02	2.01	34.94	27.92	18.8	0.094	1463.1
300.0	2.06	2.05	34.95	27.93	18.4	0.096	1463.4
310.0	2.08	2.06	34.96	27.93	18.1	0.098	1463.7
320.0	2.03	2.01	34.96	27.93	17.9	0.099	1463.6
330.0	2.01	1.99	34.96	27.94	17.6	0.101	1463.7
340.0	1.97	1.95	34.96	27.94	17.6	0.103	1463.7
350.0	1.91	1.90	34.95	27.94	17.4	0.105	1463.6
360.0	1.90	1.88	34.95	27.94	17.2	0.106	1463.7
370.0	1.83	1.81	34.96	27.95	16.9	0.108	1463.6
380.0	1.81	1.79	34.95	27.95	16.9	0.110	1463.7
390.0	1.81	1.79	34.95	27.95	17.0	0.112	1463.8
400.0	1.80	1.78	34.95	27.95	16.6	0.113	1463.9
410.0	1.76	1.73	34.96	27.96	16.0	0.115	1463.9
420.0	1.71	1.68	34.95	27.95	16.5	0.117	1463.8
430.0	1.67	1.65	34.94	27.95	16.4	0.118	1463.9
440.0	1.64	1.62	34.94	27.95	16.2	0.120	1463.9
450.0	1.59	1.56	34.94	27.96	16.1	0.122	1463.8
460.0	1.55	1.53	34.94	27.96	16.0	0.123	1463.8
470.0	1.52	1.49	34.95	27.97	14.9	0.125	1463.9
480.0	1.51	1.48	34.94	27.96	15.9	0.126	1464.0
490.0	1.46	1.43	34.94	27.96	15.5	0.128	1463.9
500.0	1.33	1.30	34.92	27.96	15.7	0.129	1463.5
501.0	1.32	1.29	34.92	27.96	15.8	0.130	1463.5

FRAM 3 STATION 184(1) CTD 5/MAY/1981 1629 GMT CODE = 5
LAT = 81.7576N LNG = 3.9492E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

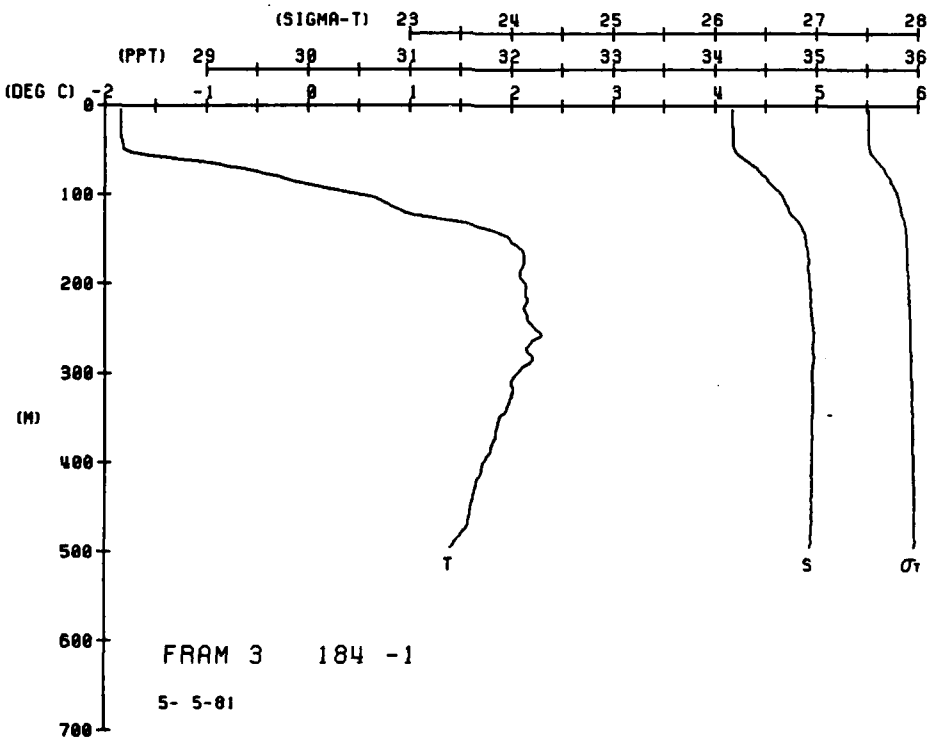
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.85	-1.85	34.18	27.51	56.2	0.000	1439.6
4.0	-1.85	-1.85	34.18	27.51	56.1	0.002	1439.6
5.0	-1.85	-1.85	34.18	27.51	56.1	0.003	1439.6
10.0	-1.85	-1.85	34.18	27.51	56.1	0.006	1439.7
15.0	-1.85	-1.85	34.18	27.51	56.1	0.009	1439.8
20.0	-1.85	-1.85	34.18	27.51	56.0	0.011	1439.9
25.0	-1.85	-1.85	34.18	27.51	55.9	0.014	1440.0
30.0	-1.85	-1.85	34.18	27.52	55.8	0.017	1440.1
35.0	-1.84	-1.84	34.18	27.52	55.5	0.020	1440.2
40.0	-1.83	-1.83	34.19	27.52	55.3	0.023	1440.3
45.0	-1.82	-1.82	34.19	27.52	55.2	0.025	1440.4
50.0	-1.79	-1.80	34.20	27.53	54.3	0.028	1440.7
55.0	-1.62	-1.62	34.23	27.55	52.1	0.031	1441.6
60.0	-1.29	-1.29	34.29	27.59	48.6	0.033	1443.3
65.0	-0.94	-0.95	34.35	27.62	45.4	0.036	1445.1
70.0	-0.69	-0.69	34.41	27.67	41.5	0.038	1446.5
75.0	-0.49	-0.49	34.45	27.69	39.5	0.040	1447.5
80.0	-0.28	-0.28	34.50	27.72	36.8	0.042	1448.6
85.0	-0.14	-0.14	34.53	27.74	35.0	0.044	1449.4
90.0	0.08	0.08	34.58	27.76	32.7	0.045	1450.6
95.0	0.28	0.28	34.62	27.78	30.6	0.047	1451.6
100.0	0.54	0.54	34.67	27.81	28.3	0.049	1452.9
110.0	0.78	0.78	34.71	27.83	26.6	0.051	1454.3
120.0	0.96	0.95	34.75	27.85	24.9	0.054	1455.3
130.0	1.47	1.47	34.83	27.88	22.0	0.056	1457.9
140.0	1.82	1.81	34.88	27.89	21.4	0.059	1459.6
150.0	1.99	1.99	34.90	27.90	20.7	0.061	1460.6
160.0	2.10	2.09	34.92	27.90	20.4	0.063	1461.2
170.0	2.13	2.12	34.93	27.91	20.0	0.065	1461.5
180.0	2.11	2.10	34.93	27.90	20.1	0.067	1461.6
190.0	2.09	2.08	34.94	27.91	19.2	0.069	1461.7
200.0	2.14	2.13	34.94	27.91	19.4	0.071	1462.1
210.0	2.14	2.13	34.95	27.92	18.8	0.073	1462.3
220.0	2.15	2.14	34.95	27.92	18.9	0.075	1462.5
230.0	2.14	2.13	34.96	27.93	18.4	0.076	1462.6
240.0	2.16	2.15	34.97	27.93	17.9	0.078	1462.9
250.0	2.24	2.23	34.97	27.93	18.0	0.080	1463.4
260.0	2.26	2.25	34.98	27.94	17.6	0.082	1463.7
270.0	2.15	2.14	34.97	27.94	17.5	0.084	1463.4
280.0	2.21	2.19	34.98	27.94	17.3	0.085	1463.8
290.0	2.15	2.13	34.98	27.94	17.4	0.087	1463.7
300.0	2.06	2.04	34.97	27.94	17.3	0.089	1463.4
310.0	2.00	1.98	34.97	27.95	16.6	0.091	1463.4
320.0	2.02	2.00	34.97	27.95	16.7	0.092	1463.6
330.0	1.99	1.97	34.97	27.95	16.7	0.094	1463.6
340.0	1.96	1.94	34.97	27.96	16.0	0.096	1463.7
350.0	1.88	1.87	34.97	27.96	15.8	0.097	1463.5
360.0	1.86	1.84	34.97	27.96	15.9	0.099	1463.6
370.0	1.85	1.82	34.97	27.96	15.6	0.100	1463.7
380.0	1.81	1.79	34.96	27.96	15.9	0.102	1463.7
390.0	1.78	1.76	34.97	27.96	15.3	0.104	1463.7
400.0	1.73	1.70	34.96	27.96	15.2	0.105	1463.6
410.0	1.71	1.68	34.96	27.96	15.3	0.107	1463.7
420.0	1.66	1.64	34.96	27.97	14.9	0.108	1463.7
430.0	1.64	1.62	34.96	27.97	14.6	0.110	1463.8
440.0	1.62	1.60	34.96	27.97	14.7	0.111	1463.8
450.0	1.60	1.58	34.96	27.97	14.6	0.113	1463.9
460.0	1.59	1.56	34.96	27.97	14.6	0.114	1464.0
470.0	1.57	1.54	34.96	27.97	14.6	0.116	1464.1
480.0	1.50	1.48	34.96	27.97	14.3	0.117	1464.0
490.0	1.44	1.41	34.95	27.97	14.2	0.119	1463.8
495.1	1.41	1.38	34.95	27.98	14.1	0.119	1463.8

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FRAM 3 183 -1

5- 4-81



FRAM 3 184 -1

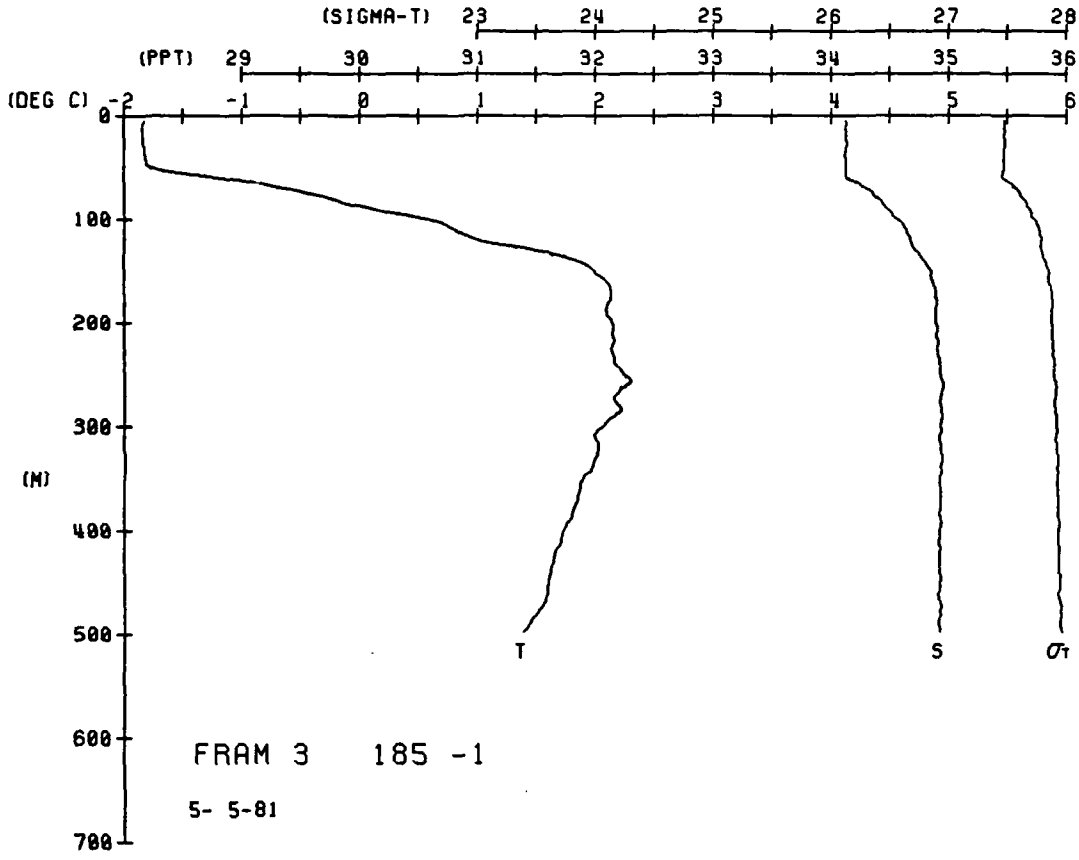
5- 5-81

FRAM 3 STATION 185(1) CTD 5/MAY/1981 1632 GMT CODE = 5
LAT = 81.7578N LNG = 3.9492E UTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.83	-1.83	34.13	27.47	60.0	0.000	1439.6
4.0	-1.83	-1.83	34.13	27.47	59.9	0.002	1439.6
5.0	-1.83	-1.83	34.13	27.47	59.8	0.003	1439.6
10.0	-1.84	-1.84	34.13	27.48	59.6	0.006	1439.7
15.0	-1.84	-1.84	34.13	27.47	59.9	0.009	1439.8
20.0	-1.84	-1.84	34.12	27.47	60.1	0.012	1439.8
25.0	-1.84	-1.84	34.13	27.48	59.4	0.015	1439.9
30.0	-1.83	-1.83	34.13	27.48	59.5	0.018	1440.0
35.0	-1.83	-1.83	34.12	27.47	60.1	0.021	1440.1
40.0	-1.82	-1.82	34.13	27.47	59.9	0.024	1440.3
45.0	-1.81	-1.81	34.13	27.47	60.0	0.027	1440.4
50.0	-1.76	-1.77	34.13	27.47	60.0	0.030	1440.7
55.0	-1.56	-1.56	34.13	27.46	60.6	0.033	1441.7
60.0	-1.19	-1.19	34.14	27.46	60.7	0.036	1443.6
65.0	-0.89	-0.89	34.23	27.53	54.8	0.039	1445.2
70.0	-0.64	-0.64	34.29	27.56	51.1	0.042	1446.5
75.0	-0.45	-0.45	34.35	27.61	47.2	0.044	1447.6
80.0	-0.26	-0.26	34.40	27.63	44.8	0.047	1448.6
85.0	-0.10	-0.11	34.44	27.66	41.9	0.049	1449.5
90.0	0.12	0.12	34.48	27.68	40.2	0.051	1450.6
95.0	0.33	0.32	34.51	27.69	39.1	0.053	1451.7
100.0	0.58	0.58	34.57	27.72	36.4	0.055	1453.0
110.0	0.80	0.80	34.64	27.77	32.4	0.058	1454.3
120.0	0.99	0.98	34.67	27.78	30.8	0.062	1455.3
130.0	1.52	1.51	34.72	27.79	30.9	0.065	1457.9
140.0	1.84	1.84	34.80	27.82	27.4	0.068	1459.6
150.0	1.99	1.99	34.85	27.85	24.9	0.070	1460.5
160.0	2.10	2.09	34.86	27.85	24.7	0.073	1461.2
170.0	2.13	2.12	34.89	27.87	23.2	0.075	1461.5
180.0	2.11	2.10	34.90	27.88	22.4	0.078	1461.6
190.0	2.10	2.09	34.89	27.87	23.0	0.080	1461.7
200.0	2.15	2.14	34.89	27.87	23.1	0.082	1462.1
210.0	2.14	2.13	34.90	27.88	22.7	0.084	1462.2
220.0	2.15	2.14	34.91	27.89	21.7	0.087	1462.4
230.0	2.15	2.14	34.90	27.88	22.5	0.089	1462.6
240.0	2.17	2.16	34.92	27.89	21.6	0.091	1462.9
250.0	2.25	2.23	34.92	27.89	22.0	0.093	1463.4
260.0	2.26	2.25	34.95	27.91	20.2	0.096	1463.6
270.0	2.16	2.14	34.93	27.91	20.5	0.098	1463.3
280.0	2.21	2.19	34.93	27.90	21.3	0.100	1463.7
290.0	2.15	2.13	34.94	27.91	19.9	0.102	1463.6
300.0	2.06	2.04	34.93	27.91	20.1	0.104	1463.4
310.0	2.00	1.98	34.92	27.91	20.4	0.106	1463.3
320.0	2.02	2.00	34.93	27.91	20.2	0.108	1463.5
330.0	1.99	1.97	34.93	27.92	19.4	0.110	1463.6
340.0	1.96	1.94	34.92	27.91	20.1	0.112	1463.6
350.0	1.89	1.87	34.92	27.92	19.6	0.114	1463.5
360.0	1.87	1.85	34.93	27.92	19.1	0.116	1463.5
370.0	1.85	1.83	34.93	27.93	18.8	0.118	1463.6
380.0	1.81	1.79	34.92	27.92	19.0	0.120	1463.6
390.0	1.78	1.76	34.93	27.94	17.9	0.122	1463.7
400.0	1.73	1.70	34.92	27.93	18.7	0.123	1463.6
410.0	1.71	1.68	34.91	27.92	19.1	0.125	1463.6
420.0	1.66	1.64	34.92	27.94	18.0	0.127	1463.6
430.0	1.64	1.62	34.92	27.93	18.2	0.129	1463.7
440.0	1.62	1.60	34.92	27.94	17.8	0.131	1463.8
450.0	1.60	1.58	34.92	27.94	17.7	0.133	1463.8
460.0	1.59	1.57	34.91	27.93	18.7	0.135	1463.9
470.0	1.56	1.54	34.92	27.94	17.3	0.136	1464.0
480.0	1.50	1.47	34.92	27.95	16.8	0.138	1463.9
490.0	1.44	1.41	34.91	27.94	17.1	0.140	1463.8
497.0	1.38	1.36	34.92	27.95	16.2	0.141	1463.7

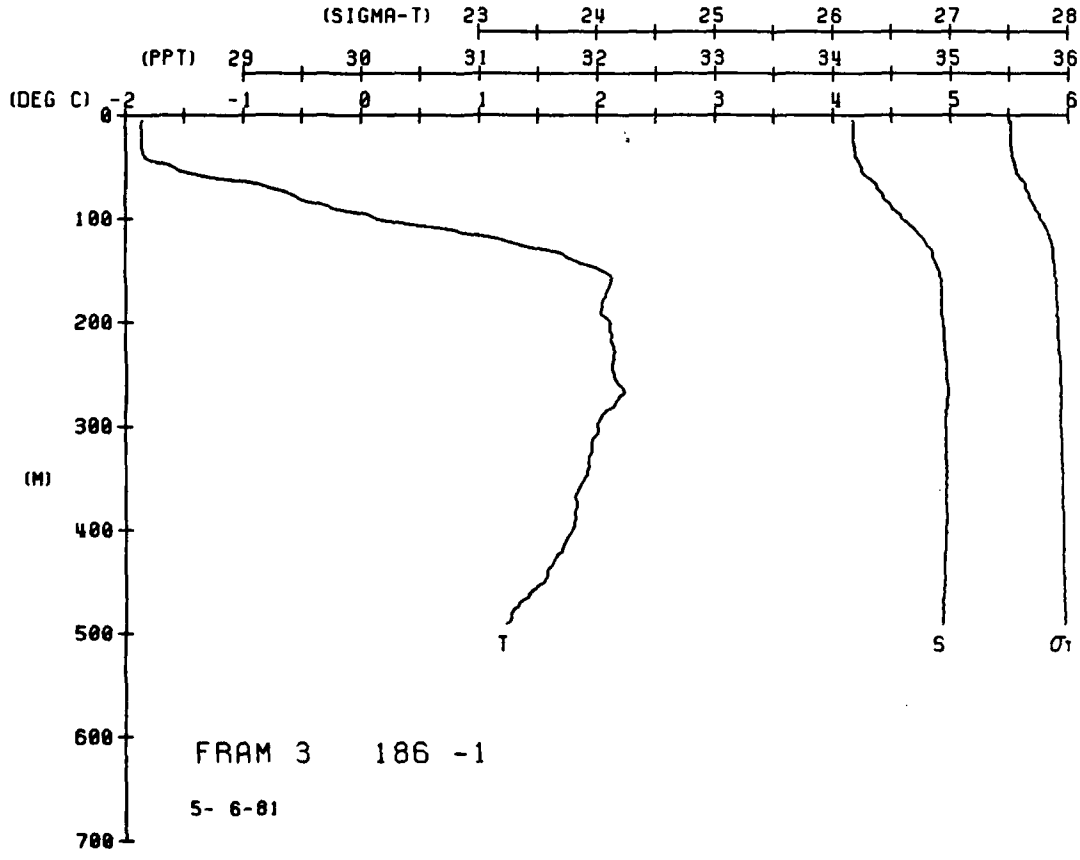
FRAM 3 STATION 186(1) CTD 6/MAY/1981 910 GMT CODE = 5
LAT = 81.7430N LNG = 3.7743E UTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMT	SOUND
0.0	-1.86	-1.86	34.17	27.51	56.7	0.000	1439.5
4.0	-1.86	-1.86	34.17	27.51	56.7	0.002	1439.5
5.0	-1.86	-1.86	34.17	27.51	56.6	0.003	1439.6
10.0	-1.87	-1.87	34.17	27.51	56.3	0.006	1439.6
15.0	-1.87	-1.87	34.18	27.51	56.2	0.009	1439.7
20.0	-1.87	-1.87	34.18	27.51	56.1	0.011	1439.8
25.0	-1.87	-1.87	34.18	27.51	55.9	0.014	1439.9
30.0	-1.87	-1.87	34.19	27.52	55.2	0.017	1440.0
35.0	-1.86	-1.86	34.19	27.52	54.8	0.020	1440.1
40.0	-1.84	-1.84	34.20	27.53	54.4	0.023	1440.3
45.0	-1.75	-1.75	34.22	27.55	52.8	0.025	1440.8
50.0	-1.60	-1.60	34.24	27.56	51.7	0.028	1441.6
55.0	-1.51	-1.51	34.25	27.57	50.8	0.031	1442.2
60.0	-1.29	-1.29	34.30	27.59	48.3	0.033	1443.3
65.0	-0.95	-0.95	34.35	27.63	45.1	0.035	1445.1
70.0	-0.79	-0.79	34.38	27.64	43.7	0.038	1446.0
75.0	-0.63	-0.63	34.42	27.67	41.3	0.040	1446.9
80.0	-0.53	-0.53	34.44	27.68	40.4	0.042	1447.4
85.0	-0.38	-0.39	34.48	27.71	37.8	0.044	1448.2
90.0	-0.23	-0.23	34.51	27.72	36.2	0.046	1449.1
95.0	0.01	0.00	34.57	27.76	33.1	0.047	1450.3
100.0	0.13	0.12	34.59	27.77	31.8	0.049	1451.0
110.0	0.73	0.72	34.70	27.82	26.8	0.052	1454.0
120.0	1.17	1.17	34.78	27.86	23.8	0.055	1456.3
130.0	1.57	1.57	34.85	27.88	21.6	0.057	1458.3
140.0	1.80	1.79	34.87	27.89	21.5	0.059	1459.5
150.0	2.05	2.04	34.91	27.90	20.6	0.061	1460.8
160.0	2.12	2.11	34.92	27.90	20.4	0.063	1461.3
170.0	2.08	2.07	34.93	27.91	19.9	0.065	1461.3
180.0	2.05	2.04	34.92	27.90	20.0	0.067	1461.4
190.0	2.04	2.02	34.93	27.91	19.6	0.069	1461.5
200.0	2.12	2.11	34.94	27.91	19.3	0.071	1462.0
210.0	2.12	2.11	34.95	27.92	18.7	0.073	1462.2
220.0	2.13	2.12	34.96	27.93	18.2	0.075	1462.4
230.0	2.15	2.13	34.96	27.93	18.4	0.077	1462.7
240.0	2.13	2.11	34.96	27.93	17.9	0.079	1462.7
250.0	2.14	2.13	34.96	27.93	17.9	0.081	1463.0
260.0	2.18	2.17	34.98	27.94	17.4	0.082	1463.3
270.0	2.21	2.20	34.98	27.94	17.6	0.084	1463.6
280.0	2.15	2.13	34.98	27.94	17.1	0.086	1463.5
290.0	2.05	2.03	34.97	27.94	16.9	0.088	1463.2
300.0	2.01	1.99	34.97	27.94	16.9	0.089	1463.2
310.0	1.99	1.97	34.96	27.94	16.9	0.091	1463.3
320.0	1.96	1.94	34.97	27.95	16.4	0.093	1463.3
330.0	1.93	1.91	34.97	27.95	16.3	0.094	1463.4
340.0	1.93	1.91	34.97	27.95	16.1	0.096	1463.5
350.0	1.90	1.88	34.97	27.95	16.0	0.098	1463.6
360.0	1.85	1.83	34.97	27.96	16.0	0.099	1463.5
370.0	1.82	1.80	34.97	27.96	15.5	0.101	1463.6
380.0	1.83	1.80	34.97	27.96	15.4	0.102	1463.7
390.0	1.82	1.79	34.97	27.96	15.5	0.104	1463.9
400.0	1.80	1.77	34.97	27.96	15.6	0.106	1463.9
410.0	1.74	1.72	34.97	27.97	15.2	0.107	1463.9
420.0	1.71	1.68	34.96	27.96	15.3	0.109	1463.9
430.0	1.64	1.62	34.96	27.97	15.1	0.110	1463.7
440.0	1.59	1.56	34.96	27.97	14.7	0.112	1463.7
450.0	1.55	1.53	34.95	27.97	14.9	0.113	1463.7
460.0	1.44	1.42	34.95	27.97	14.5	0.115	1463.3
470.0	1.35	1.33	34.94	27.97	14.6	0.116	1463.1
480.0	1.27	1.25	34.94	27.98	13.9	0.118	1462.9
490.0	1.25	1.22	34.93	27.98	14.0	0.119	1463.0
492.1	1.21	1.18	34.93	27.97	14.1	0.119	1462.8



FRAM 3 185 -1

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FRAM 3 186 -1

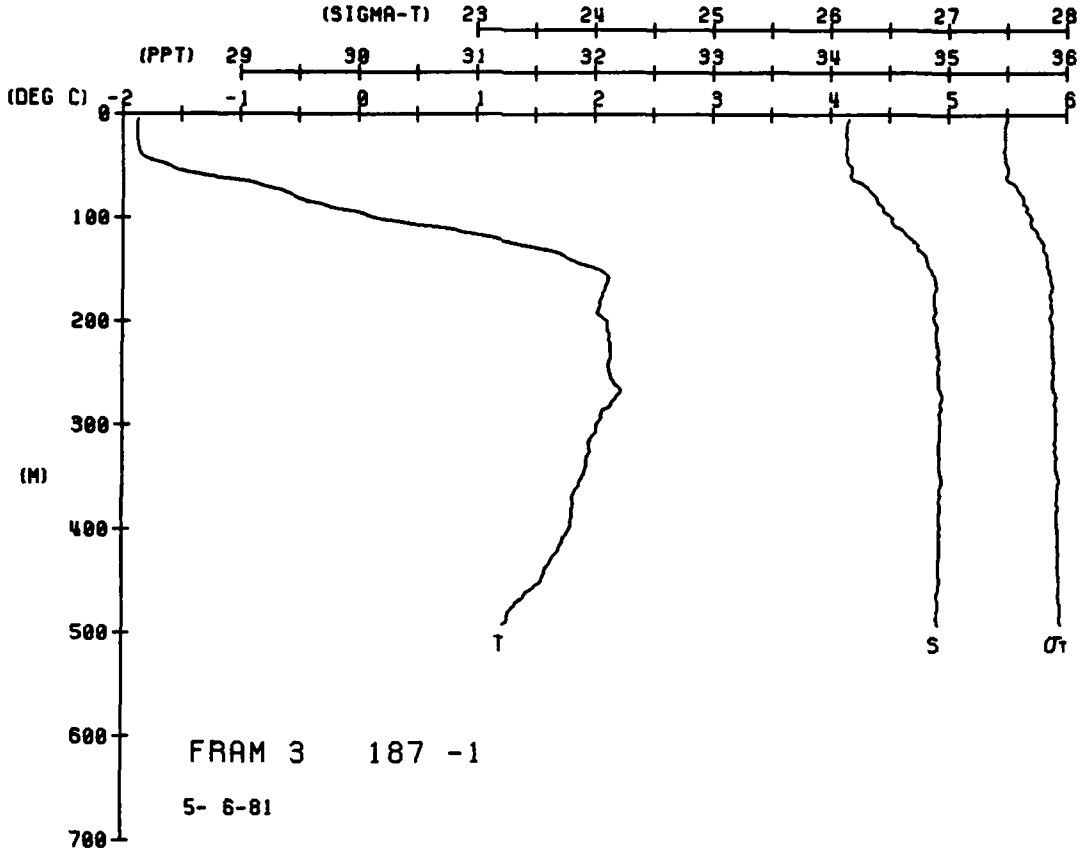
5- 6-81

FRAM 3 STATION 187(1) CTD 6/MAY/1981 912 GMT CODE = 5
LAT = 81.7430N LNG = 3.7743E LTER = 30. LGER = 30.
AIR TEMP = 0.0 HARUM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMI	SOUND
0.0	-1.86	-1.86	34.16	27.50	57.5	0.000	1439.5
4.0	-1.86	-1.86	34.16	27.50	57.5	0.002	1439.5
5.0	-1.87	-1.87	34.16	27.50	57.7	0.003	1439.5
10.0	-1.87	-1.87	34.14	27.49	58.6	0.006	1439.6
15.0	-1.87	-1.87	34.14	27.48	58.9	0.009	1439.6
20.0	-1.87	-1.87	34.14	27.48	59.1	0.012	1439.7
25.0	-1.87	-1.87	34.14	27.49	58.6	0.015	1439.8
30.0	-1.87	-1.87	34.14	27.49	58.4	0.018	1439.9
35.0	-1.86	-1.86	34.14	27.48	59.1	0.021	1440.0
40.0	-1.84	-1.84	34.14	27.48	58.7	0.024	1440.2
45.0	-1.74	-1.74	34.14	27.48	58.6	0.027	1440.8
50.0	-1.60	-1.60	34.18	27.51	56.4	0.030	1441.6
55.0	-1.50	-1.50	34.18	27.51	56.2	0.032	1442.1
60.0	-1.27	-1.27	34.18	27.49	57.6	0.035	1443.3
65.0	-0.95	-0.96	34.23	27.53	54.5	0.038	1444.9
70.0	-0.79	-0.79	34.31	27.58	49.2	0.041	1445.9
75.0	-0.63	-0.63	34.35	27.61	46.8	0.043	1446.8
80.0	-0.53	-0.53	34.39	27.64	44.0	0.045	1447.3
85.0	-0.39	-0.39	34.40	27.64	43.6	0.048	1448.1
90.0	-0.23	-0.23	34.45	27.68	40.7	0.050	1449.0
95.0	0.00	-0.01	34.47	27.68	40.4	0.052	1450.1
100.0	0.15	0.14	34.53	27.72	36.7	0.054	1451.0
110.0	0.73	0.72	34.59	27.73	35.3	0.057	1453.9
120.0	1.17	1.17	34.69	27.78	30.8	0.061	1456.2
130.0	1.57	1.56	34.75	27.81	28.7	0.064	1458.2
140.0	1.80	1.79	34.82	27.84	25.4	0.067	1459.4
150.0	2.04	2.04	34.86	27.85	24.6	0.069	1460.7
160.0	2.11	2.10	34.89	27.88	22.6	0.071	1461.2
170.0	2.08	2.07	34.89	27.88	22.4	0.074	1461.3
180.0	2.05	2.04	34.89	27.88	22.3	0.076	1461.3
190.0	2.03	2.02	34.90	27.89	21.6	0.078	1461.4
200.0	2.12	2.10	34.90	27.88	22.1	0.080	1461.9
210.0	2.12	2.11	34.90	27.88	22.2	0.083	1462.1
220.0	2.13	2.12	34.91	27.89	21.8	0.085	1462.4
230.0	2.14	2.13	34.92	27.90	20.9	0.087	1462.6
240.0	2.13	2.11	34.93	27.91	20.3	0.089	1462.7
250.0	2.14	2.13	34.92	27.90	21.0	0.091	1462.9
260.0	2.18	2.17	34.92	27.90	21.4	0.093	1463.3
270.0	2.20	2.19	34.96	27.92	19.1	0.095	1463.6
280.0	2.14	2.13	34.94	27.91	19.8	0.097	1463.4
290.0	2.06	2.05	34.94	27.91	19.6	0.099	1463.2
300.0	2.02	2.00	34.94	27.92	19.3	0.101	1463.2
310.0	1.98	1.97	34.93	27.92	19.2	0.103	1463.2
320.0	1.96	1.94	34.92	27.91	19.7	0.105	1463.3
330.0	1.94	1.92	34.93	27.92	18.9	0.107	1463.4
340.0	1.93	1.91	34.93	27.92	19.4	0.109	1463.5
350.0	1.89	1.88	34.94	27.93	17.9	0.111	1463.5
360.0	1.85	1.83	34.93	27.93	18.3	0.113	1463.5
370.0	1.82	1.80	34.94	27.93	18.0	0.115	1463.5
380.0	1.82	1.80	34.94	27.94	17.7	0.117	1463.7
390.0	1.81	1.79	34.93	27.93	18.3	0.118	1463.8
400.0	1.80	1.77	34.94	27.94	17.8	0.120	1463.9
410.0	1.74	1.72	34.93	27.94	17.8	0.122	1463.8
420.0	1.70	1.68	34.93	27.94	17.3	0.124	1463.8
430.0	1.64	1.62	34.92	27.94	17.6	0.126	1463.7
440.0	1.59	1.56	34.92	27.94	17.2	0.127	1463.6
450.0	1.55	1.52	34.93	27.95	16.4	0.129	1463.6
460.0	1.44	1.42	34.92	27.95	16.6	0.131	1463.3
470.0	1.35	1.33	34.92	27.95	16.1	0.132	1463.1
480.0	1.27	1.25	34.91	27.96	15.9	0.134	1462.9
490.0	1.25	1.22	34.91	27.96	15.7	0.136	1462.9
492.1	1.22	1.19	34.92	27.96	15.0	0.136	1462.8

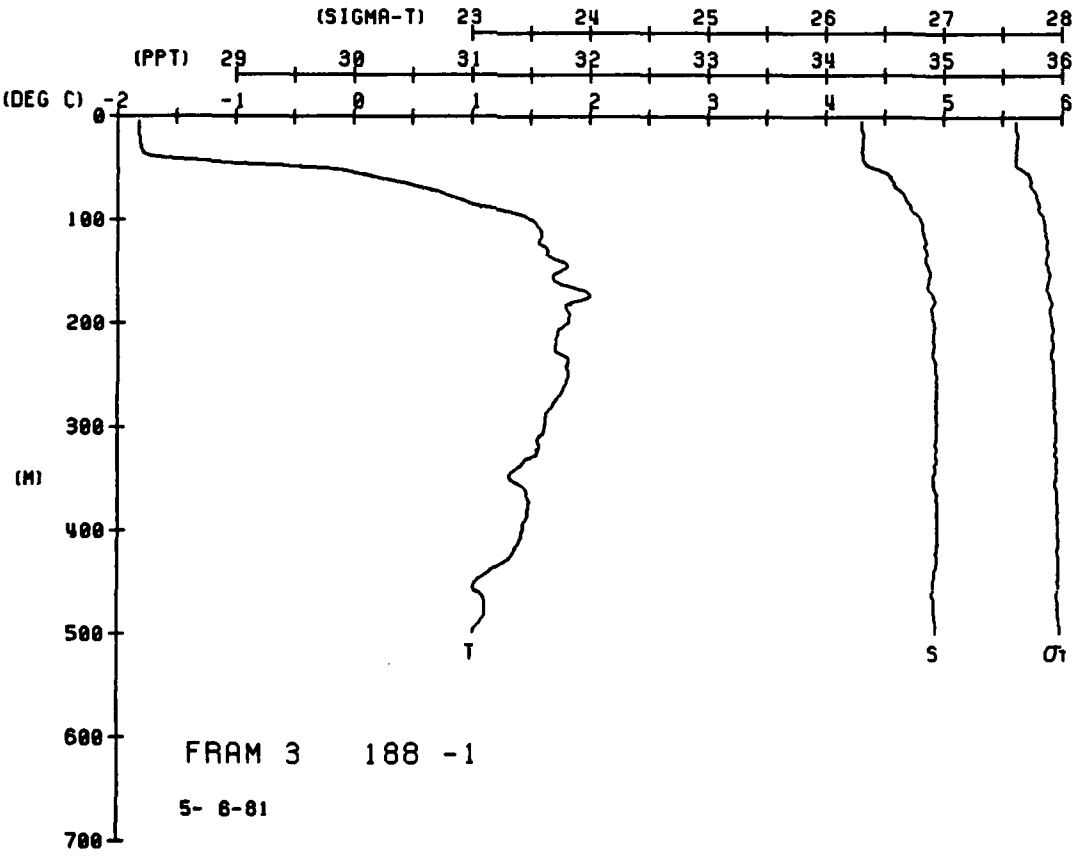
FRAM 3 STATION 188(1) CTD 6/MAY/1981 1417 GMT CODE = 5
LAT = 80.7383N LNG = 6.1817E LTER = 300. LGER = 300.
AIR TEMP = 0.0 HARUM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNMI	SOUND
0.0	-1.82	-1.82	34.31	27.62	46.4	0.000	1439.9
4.0	-1.82	-1.82	34.31	27.62	46.3	0.002	1439.9
5.0	-1.82	-1.82	34.31	27.62	46.3	0.002	1439.9
10.0	-1.82	-1.82	34.31	27.62	46.3	0.005	1440.0
15.0	-1.82	-1.82	34.32	27.63	45.5	0.007	1440.1
20.0	-1.81	-1.81	34.32	27.63	45.2	0.009	1440.3
25.0	-1.81	-1.81	34.31	27.62	45.5	0.012	1440.3
30.0	-1.80	-1.80	34.32	27.62	45.4	0.014	1440.5
35.0	-1.79	-1.79	34.31	27.62	45.9	0.016	1440.6
40.0	-1.63	-1.63	34.31	27.62	45.9	0.019	1441.4
45.0	-1.05	-1.06	34.33	27.62	46.2	0.021	1444.2
50.0	-0.30	-0.31	34.41	27.64	43.7	0.023	1447.9
55.0	0.04	0.04	34.53	27.72	36.4	0.025	1449.7
60.0	0.26	0.25	34.56	27.74	34.7	0.027	1450.9
65.0	0.45	0.45	34.58	27.74	34.3	0.029	1451.9
70.0	0.63	0.63	34.62	27.77	32.2	0.030	1452.8
75.0	0.78	0.77	34.67	27.79	29.9	0.032	1453.6
80.0	0.89	0.89	34.69	27.80	29.1	0.033	1454.2
85.0	1.01	1.01	34.72	27.82	27.3	0.035	1454.9
90.0	1.24	1.24	34.73	27.81	27.8	0.036	1456.0
95.0	1.42	1.41	34.79	27.85	25.0	0.038	1457.0
100.0	1.52	1.51	34.81	27.86	24.0	0.039	1457.5
110.0	1.59	1.58	34.83	27.87	23.2	0.041	1458.0
120.0	1.57	1.57	34.85	27.89	21.3	0.043	1458.2
130.0	1.64	1.64	34.86	27.89	21.3	0.046	1458.7
140.0	1.77	1.76	34.86	27.88	22.0	0.048	1459.4
150.0	1.74	1.73	34.90	27.91	19.4	0.050	1459.5
160.0	1.73	1.72	34.88	27.90	20.6	0.052	1459.6
170.0	1.99	1.98	34.91	27.90	20.4	0.054	1460.9
180.0	1.85	1.84	34.93	27.93	17.9	0.056	1460.5
190.0	1.83	1.82	34.91	27.91	19.2	0.058	1460.5
200.0	1.81	1.80	34.93	27.93	17.6	0.060	1460.6
210.0	1.73	1.72	34.92	27.93	17.8	0.061	1460.4
220.0	1.72	1.70	34.92	27.93	17.4	0.063	1460.5
230.0	1.77	1.75	34.91	27.92	18.9	0.065	1460.9
240.0	1.81	1.80	34.94	27.93	17.3	0.067	1461.3
250.0	1.82	1.81	34.95	27.94	16.6	0.069	1461.5
260.0	1.79	1.77	34.95	27.95	16.3	0.070	1461.5
270.0	1.74	1.73	34.95	27.95	16.0	0.072	1461.5
280.0	1.68	1.67	34.95	27.95	15.6	0.074	1461.4
290.0	1.63	1.61	34.95	27.96	15.2	0.075	1461.4
300.0	1.63	1.61	34.95	27.96	15.0	0.077	1461.5
310.0	1.57	1.56	34.95	27.96	14.7	0.078	1461.4
320.0	1.57	1.55	34.95	27.96	14.8	0.080	1461.6
330.0	1.49	1.48	34.95	27.97	13.9	0.081	1461.4
340.0	1.39	1.37	34.94	27.97	14.2	0.082	1461.1
350.0	1.34	1.32	34.93	27.96	14.8	0.084	1461.0
360.0	1.46	1.44	34.94	27.97	14.4	0.085	1461.8
370.0	1.49	1.47	34.95	27.97	14.2	0.087	1462.1
380.0	1.48	1.46	34.96	27.98	13.5	0.088	1462.2
390.0	1.45	1.43	34.96	27.98	13.4	0.090	1462.3
400.0	1.43	1.41	34.96	27.98	13.3	0.091	1462.3
410.0	1.41	1.39	34.96	27.99	12.8	0.093	1462.4
420.0	1.37	1.34	34.95	27.98	13.3	0.094	1462.3
430.0	1.28	1.26	34.95	27.99	12.5	0.095	1462.2
440.0	1.15	1.13	34.94	27.98	12.8	0.096	1461.7
450.0	1.03	1.01	34.93	27.98	12.8	0.098	1461.3
460.0	1.08	1.05	34.92	27.98	13.6	0.099	1461.7
470.0	1.12	1.10	34.94	27.99	12.7	0.100	1462.1
480.0	1.12	1.10	34.94	27.99	12.6	0.101	1462.2
490.0	1.06	1.03	34.95	28.00	11.4	0.103	1462.1
499.0	1.02	1.00	34.95	28.00	11.1	0.104	1462.1



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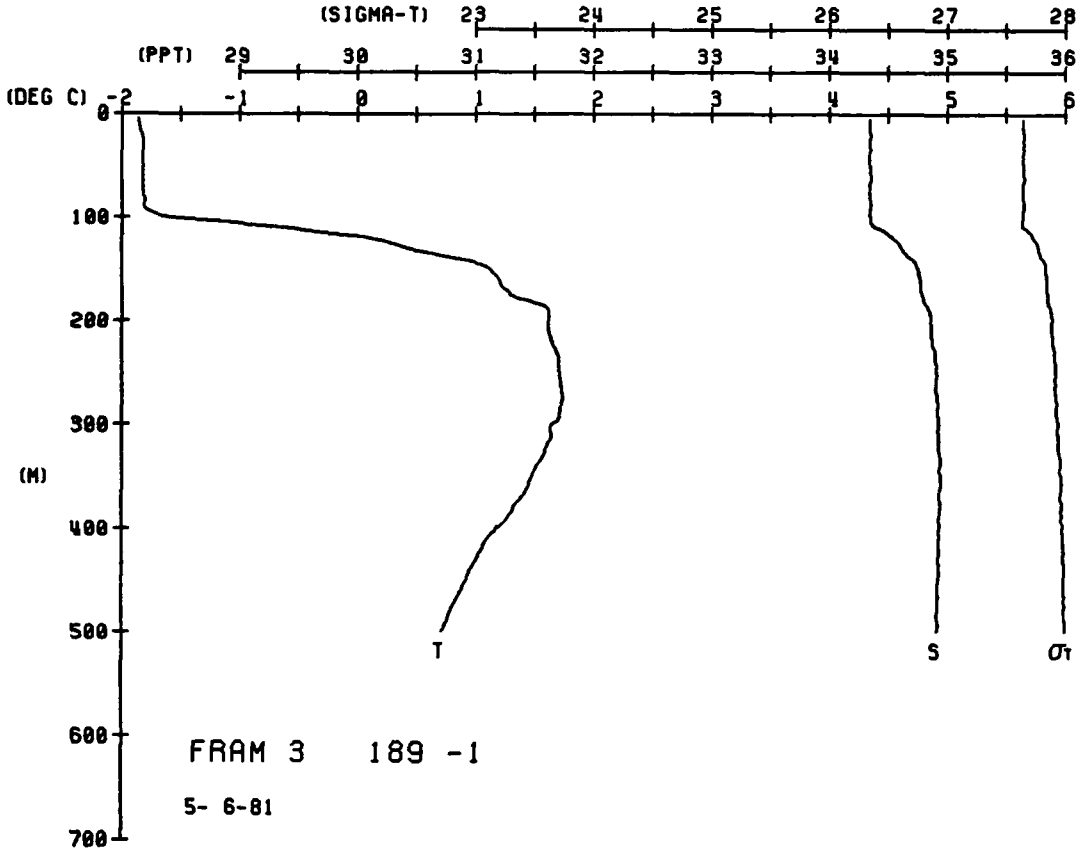
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FRAM 3 STATION 189(1) CTD 6/MAY/1981 1534 GMT CODE = 5
LAT = 80.7750N LNG = 8.7867E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.86	-1.86	34.35	27.65	43.2	0.000	1439.7
4.0	-1.86	-1.86	34.35	27.65	43.2	0.002	1439.8
5.0	-1.86	-1.86	34.35	27.65	43.2	0.002	1439.8
10.0	-1.85	-1.85	34.35	27.65	43.1	0.004	1439.9
15.0	-1.84	-1.84	34.35	27.65	42.8	0.007	1440.1
20.0	-1.83	-1.83	34.36	27.66	42.4	0.009	1440.2
25.0	-1.82	-1.82	34.35	27.65	43.0	0.011	1440.3
30.0	-1.82	-1.82	34.35	27.65	42.9	0.013	1440.4
35.0	-1.82	-1.82	34.35	27.65	42.7	0.015	1440.5
40.0	-1.82	-1.82	34.35	27.65	42.9	0.017	1440.6
45.0	-1.82	-1.82	34.35	27.65	43.0	0.020	1440.7
50.0	-1.82	-1.82	34.35	27.66	42.4	0.022	1440.7
55.0	-1.82	-1.82	34.35	27.66	42.4	0.024	1440.8
60.0	-1.82	-1.82	34.36	27.66	42.0	0.026	1440.9
65.0	-1.82	-1.82	34.35	27.66	42.2	0.028	1441.0
70.0	-1.82	-1.82	34.34	27.65	43.1	0.030	1441.1
75.0	-1.82	-1.82	34.34	27.65	42.9	0.032	1441.2
80.0	-1.81	-1.81	34.34	27.65	43.0	0.035	1441.3
85.0	-1.80	-1.81	34.35	27.66	42.1	0.037	1441.4
90.0	-1.81	-1.81	34.35	27.65	42.2	0.039	1441.5
95.0	-1.76	-1.76	34.34	27.64	43.2	0.041	1441.8
100.0	-1.58	-1.58	34.35	27.64	43.3	0.043	1442.7
110.0	-0.61	-0.62	34.42	27.66	41.6	0.047	1447.5
120.0	0.13	0.12	34.55	27.74	34.7	0.051	1451.2
130.0	0.45	0.44	34.63	27.78	31.1	0.055	1453.0
140.0	0.88	0.88	34.71	27.82	27.5	0.058	1455.2
150.0	1.12	1.11	34.76	27.84	25.5	0.060	1456.5
160.0	1.20	1.20	34.77	27.85	24.7	0.063	1457.1
170.0	1.27	1.26	34.78	27.85	24.8	0.065	1457.5
180.0	1.44	1.43	34.81	27.86	24.1	0.068	1458.5
190.0	1.62	1.61	34.86	27.89	21.7	0.070	1459.5
200.0	1.63	1.61	34.87	27.89	20.9	0.072	1459.7
210.0	1.63	1.62	34.87	27.90	20.7	0.074	1459.9
220.0	1.65	1.64	34.88	27.90	20.2	0.076	1460.2
230.0	1.70	1.69	34.90	27.92	18.8	0.078	1460.6
240.0	1.71	1.69	34.91	27.92	18.3	0.080	1460.8
250.0	1.72	1.70	34.91	27.93	18.2	0.082	1461.0
260.0	1.73	1.71	34.91	27.92	18.4	0.084	1461.2
270.0	1.74	1.73	34.92	27.93	18.2	0.086	1461.5
280.0	1.73	1.72	34.93	27.93	17.6	0.088	1461.6
290.0	1.72	1.70	34.93	27.94	17.1	0.089	1461.7
300.0	1.66	1.64	34.94	27.95	16.3	0.091	1461.6
310.0	1.65	1.63	34.93	27.95	16.5	0.093	1461.8
320.0	1.61	1.59	34.93	27.95	16.3	0.094	1461.7
330.0	1.58	1.56	34.95	27.96	15.9	0.096	1461.8
340.0	1.52	1.50	34.94	27.96	15.1	0.098	1461.7
350.0	1.47	1.46	34.95	27.97	14.0	0.099	1461.7
360.0	1.45	1.43	34.94	27.97	14.2	0.100	1461.7
370.0	1.39	1.37	34.94	27.97	14.4	0.102	1461.6
380.0	1.34	1.31	34.94	27.98	13.4	0.103	1461.5
390.0	1.27	1.25	34.94	27.98	13.7	0.105	1461.4
400.0	1.18	1.16	34.94	27.98	13.0	0.106	1461.2
410.0	1.10	1.08	34.93	27.99	12.6	0.107	1461.0
420.0	1.06	1.03	34.94	27.99	12.1	0.109	1460.9
430.0	1.00	0.98	34.93	27.99	12.3	0.110	1460.9
440.0	0.95	0.93	34.93	28.00	11.5	0.111	1460.8
450.0	0.92	0.90	34.93	27.99	11.6	0.112	1460.8
460.0	0.88	0.86	34.93	28.00	11.4	0.113	1460.8
470.0	0.83	0.81	34.92	28.00	11.5	0.115	1460.8
480.0	0.79	0.76	34.92	27.99	11.5	0.116	1460.7
490.0	0.76	0.73	34.93	28.00	10.6	0.117	1460.8
499.0	0.71	0.69	34.92	28.00	10.8	0.118	1460.7

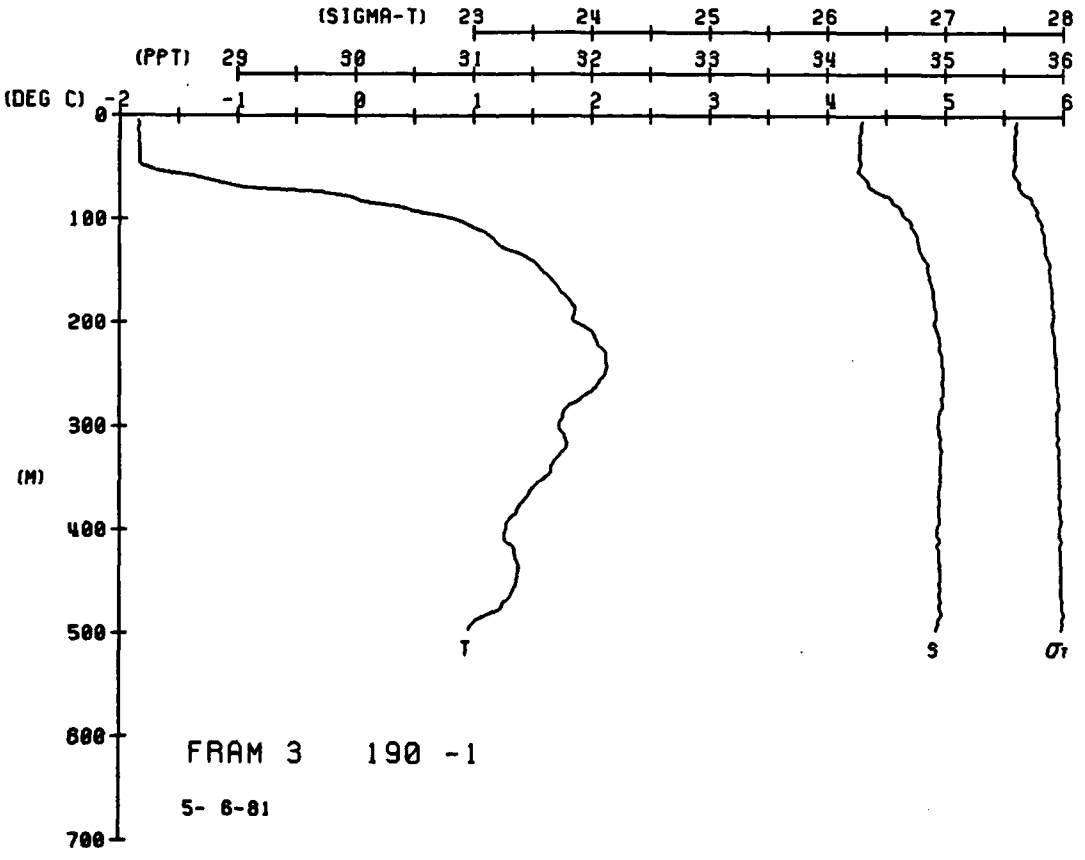
FRAM 3 STATION 190(1) CTD 6/MAY/1981 1715 GMT CODE = 5
LAT = 81.3517N LNG = 5.2267E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.84	-1.84	34.30	27.61	47.0	0.000	1439.7
4.0	-1.84	-1.84	34.30	27.61	47.0	0.002	1439.8
5.0	-1.84	-1.84	34.30	27.61	47.0	0.002	1439.8
10.0	-1.84	-1.84	34.29	27.60	47.7	0.005	1439.9
15.0	-1.84	-1.84	34.29	27.60	47.4	0.007	1440.0
20.0	-1.84	-1.84	34.28	27.59	48.5	0.010	1440.1
25.0	-1.84	-1.84	34.29	27.60	47.7	0.012	1440.2
30.0	-1.83	-1.83	34.28	27.60	47.7	0.014	1440.3
35.0	-1.83	-1.83	34.28	27.60	47.9	0.017	1440.4
40.0	-1.83	-1.83	34.27	27.59	48.1	0.019	1440.4
45.0	-1.83	-1.83	34.29	27.60	47.3	0.022	1440.6
50.0	-1.77	-1.77	34.28	27.59	48.4	0.024	1440.9
55.0	-1.57	-1.57	34.28	27.59	48.7	0.027	1441.9
60.0	-1.31	-1.31	34.32	27.62	46.2	0.029	1443.3
65.0	-1.15	-1.15	34.36	27.64	44.2	0.031	1444.2
70.0	-0.84	-0.85	34.38	27.64	43.6	0.033	1445.7
75.0	-0.22	-0.22	34.44	27.67	41.6	0.036	1448.8
80.0	0.00	0.00	34.54	27.74	34.8	0.038	1450.0
85.0	0.19	0.19	34.57	27.75	33.5	0.039	1451.0
90.0	0.45	0.45	34.63	27.78	30.6	0.041	1452.3
95.0	0.65	0.64	34.64	27.78	31.0	0.042	1453.3
100.0	0.85	0.85	34.69	27.81	28.2	0.044	1454.4
110.0	1.05	1.04	34.74	27.83	26.3	0.047	1455.5
120.0	1.18	1.18	34.77	27.85	24.5	0.049	1456.3
130.0	1.32	1.31	34.79	27.86	23.9	0.052	1457.1
140.0	1.50	1.50	34.85	27.89	21.2	0.054	1458.2
150.0	1.59	1.56	34.86	27.89	20.9	0.056	1458.8
160.0	1.68	1.68	34.88	27.90	19.9	0.058	1459.4
170.0	1.74	1.74	34.90	27.91	18.9	0.060	1459.8
180.0	1.83	1.82	34.91	27.91	19.0	0.062	1460.4
190.0	1.86	1.85	34.93	27.93	17.6	0.064	1460.7
200.0	1.88	1.87	34.92	27.92	18.9	0.066	1460.9
210.0	2.02	2.01	34.95	27.93	17.7	0.068	1461.8
220.0	2.06	2.05	34.96	27.94	17.3	0.069	1462.1
230.0	2.13	2.11	34.98	27.94	16.6	0.071	1462.6
240.0	2.13	2.12	34.98	27.94	16.6	0.073	1462.8
250.0	2.12	2.10	34.99	27.95	16.1	0.074	1462.9
260.0	2.05	2.04	34.99	27.96	15.6	0.076	1462.8
270.0	1.94	1.93	34.99	27.97	14.6	0.078	1462.5
280.0	1.82	1.80	34.98	27.97	13.8	0.079	1462.1
290.0	1.76	1.75	34.95	27.95	15.7	0.081	1462.0
300.0	1.73	1.72	34.95	27.95	15.7	0.082	1462.0
310.0	1.78	1.76	34.97	27.97	14.5	0.084	1462.4
320.0	1.79	1.77	34.98	27.97	14.4	0.085	1462.6
330.0	1.71	1.69	34.97	27.97	14.2	0.087	1462.4
340.0	1.66	1.64	34.97	27.97	14.3	0.089	1462.3
350.0	1.60	1.58	34.97	27.98	13.8	0.089	1462.2
360.0	1.50	1.48	34.96	27.98	13.5	0.091	1462.0
370.0	1.44	1.42	34.97	27.99	12.7	0.092	1461.9
380.0	1.38	1.36	34.95	27.98	13.1	0.093	1461.7
390.0	1.30	1.28	34.97	28.00	11.6	0.095	1461.6
400.0	1.28	1.26	34.94	27.98	13.0	0.096	1461.6
410.0	1.27	1.25	34.96	28.00	11.6	0.097	1461.8
420.0	1.35	1.33	34.96	27.99	12.6	0.098	1462.3
430.0	1.38	1.35	34.96	27.99	12.6	0.100	1462.6
440.0	1.39	1.37	34.97	28.00	11.9	0.101	1462.8
450.0	1.37	1.35	34.97	27.99	12.3	0.102	1462.9
460.0	1.34	1.31	34.96	27.99	12.3	0.103	1462.9
470.0	1.26	1.23	34.97	28.01	11.1	0.105	1462.7
480.0	1.16	1.13	34.98	28.02	9.8	0.106	1462.5
490.0	1.00	0.97	34.95	28.01	10.5	0.107	1461.9
496.0	0.96	0.94	34.93	28.00	11.7	0.107	1461.8



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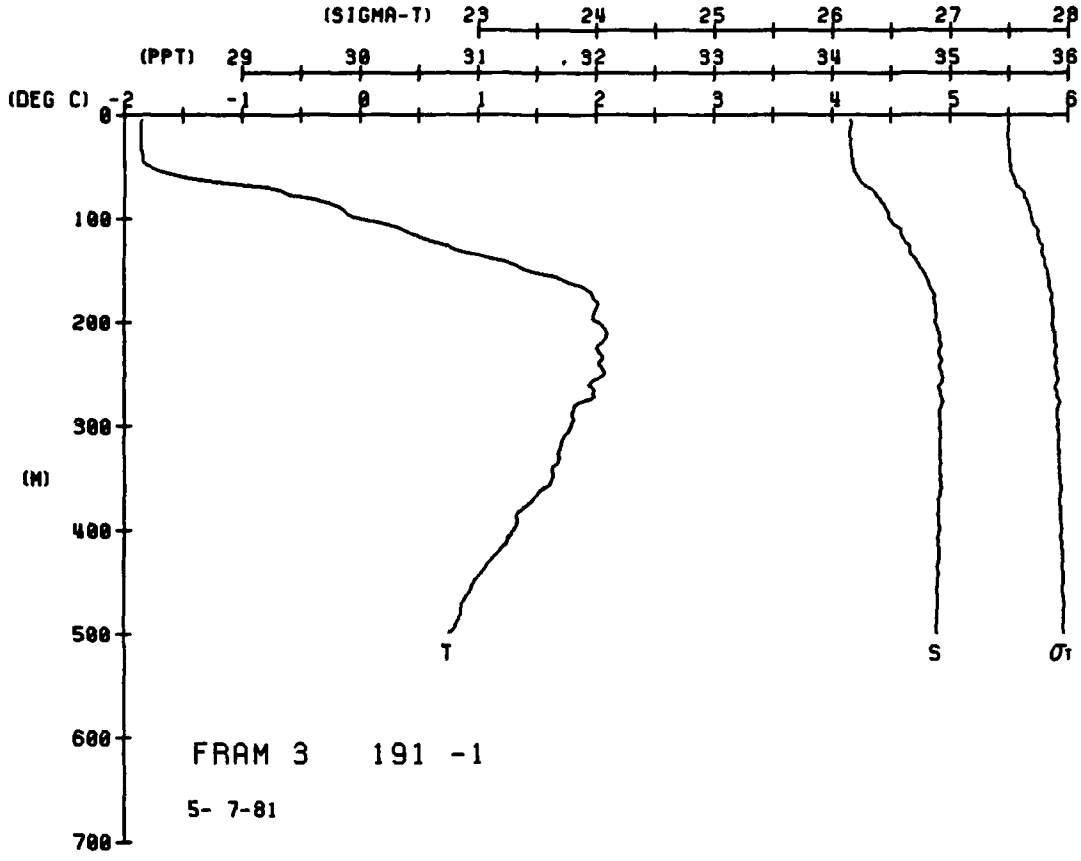
5- 6-81

FRAM 3 STATION 191(1) CTD 7/MAY/1981 1042 GMT CODE = 5
LAT = 81.7140N LNG = 3.5020E LTER = 30. LGER = 30.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.85	-1.85	34.15	27.49	58.2	0.000	1439.5
4.0	-1.85	-1.85	34.15	27.49	58.2	0.002	1439.6
5.0	-1.85	-1.85	34.16	27.50	57.7	0.003	1439.6
10.0	-1.86	-1.86	34.16	27.50	57.0	0.006	1439.6
15.0	-1.86	-1.86	34.16	27.50	57.6	0.009	1439.7
20.0	-1.86	-1.86	34.15	27.49	58.2	0.012	1439.8
25.0	-1.86	-1.86	34.16	27.50	57.3	0.015	1439.9
30.0	-1.86	-1.86	34.16	27.50	57.4	0.018	1440.0
35.0	-1.85	-1.85	34.17	27.51	56.5	0.020	1440.1
40.0	-1.85	-1.85	34.17	27.50	56.7	0.023	1440.2
45.0	-1.84	-1.84	34.17	27.51	56.2	0.026	1440.3
50.0	-1.78	-1.79	34.18	27.51	55.7	0.029	1440.7
55.0	-1.67	-1.67	34.19	27.52	54.9	0.032	1441.3
60.0	-1.51	-1.51	34.23	27.54	52.9	0.034	1442.2
65.0	-1.25	-1.25	34.25	27.55	52.1	0.037	1443.6
70.0	-0.81	-0.81	34.31	27.59	48.7	0.040	1445.8
75.0	-0.64	-0.65	34.37	27.63	45.3	0.042	1446.7
80.0	-0.48	-0.49	34.39	27.64	43.9	0.044	1447.6
85.0	-0.28	-0.28	34.44	27.66	41.7	0.046	1448.7
90.0	-0.16	-0.16	34.46	27.68	40.3	0.048	1449.3
95.0	-0.11	-0.12	34.48	27.69	38.9	0.050	1449.6
100.0	-0.01	-0.02	34.50	27.70	38.4	0.052	1450.2
110.0	0.35	0.35	34.58	27.75	33.7	0.056	1452.1
120.0	0.56	0.55	34.61	27.76	33.0	0.059	1453.3
130.0	0.81	0.81	34.66	27.78	30.7	0.063	1454.7
140.0	1.17	1.17	34.72	27.81	28.4	0.066	1456.5
150.0	1.43	1.42	34.77	27.83	26.5	0.068	1457.9
160.0	1.74	1.73	34.82	27.85	25.0	0.071	1459.5
170.0	1.95	1.94	34.86	27.87	23.6	0.073	1460.7
180.0	2.01	2.00	34.87	27.87	23.6	0.076	1461.1
190.0	1.99	1.98	34.88	27.88	22.5	0.078	1461.2
200.0	2.03	2.02	34.88	27.87	22.9	0.081	1461.5
210.0	2.10	2.08	34.91	27.89	21.2	0.083	1462.0
220.0	2.05	2.04	34.92	27.90	20.3	0.085	1462.0
230.0	2.04	2.03	34.91	27.90	21.2	0.087	1462.1
240.0	2.03	2.02	34.92	27.90	20.4	0.089	1462.3
250.0	2.07	2.05	34.93	27.91	19.6	0.091	1462.6
260.0	1.95	1.94	34.92	27.91	19.9	0.093	1462.2
270.0	1.99	1.98	34.93	27.91	19.6	0.095	1462.6
280.0	1.83	1.81	34.93	27.93	18.1	0.097	1462.0
290.0	1.80	1.79	34.92	27.92	19.0	0.099	1462.1
300.0	1.79	1.77	34.92	27.92	18.7	0.101	1462.2
310.0	1.74	1.72	34.92	27.93	17.9	0.103	1462.1
320.0	1.71	1.69	34.93	27.94	17.6	0.104	1462.2
330.0	1.69	1.67	34.92	27.93	18.0	0.106	1462.3
340.0	1.64	1.62	34.92	27.94	17.6	0.108	1462.2
350.0	1.63	1.61	34.92	27.94	17.3	0.110	1462.3
360.0	1.56	1.54	34.93	27.95	16.4	0.111	1462.2
370.0	1.47	1.45	34.91	27.94	17.1	0.113	1461.9
380.0	1.37	1.35	34.91	27.95	16.2	0.115	1461.7
390.0	1.34	1.32	34.91	27.95	16.3	0.117	1461.7
400.0	1.30	1.28	34.91	27.96	15.5	0.118	1461.7
410.0	1.25	1.23	34.91	27.95	15.7	0.120	1461.6
420.0	1.18	1.16	34.91	27.96	14.9	0.121	1461.5
430.0	1.10	1.08	34.91	27.97	14.2	0.123	1461.3
440.0	1.04	1.02	34.91	27.97	14.0	0.124	1461.2
450.0	0.97	0.95	34.90	27.97	14.1	0.126	1461.0
460.0	0.93	0.91	34.90	27.97	14.3	0.127	1461.0
470.0	0.87	0.85	34.90	27.98	13.3	0.128	1460.9
480.0	0.86	0.83	34.89	27.97	14.0	0.130	1461.0
490.0	0.82	0.80	34.90	27.98	13.3	0.131	1461.0
500.0	0.75	0.73	34.90	27.98	12.9	0.132	1460.9

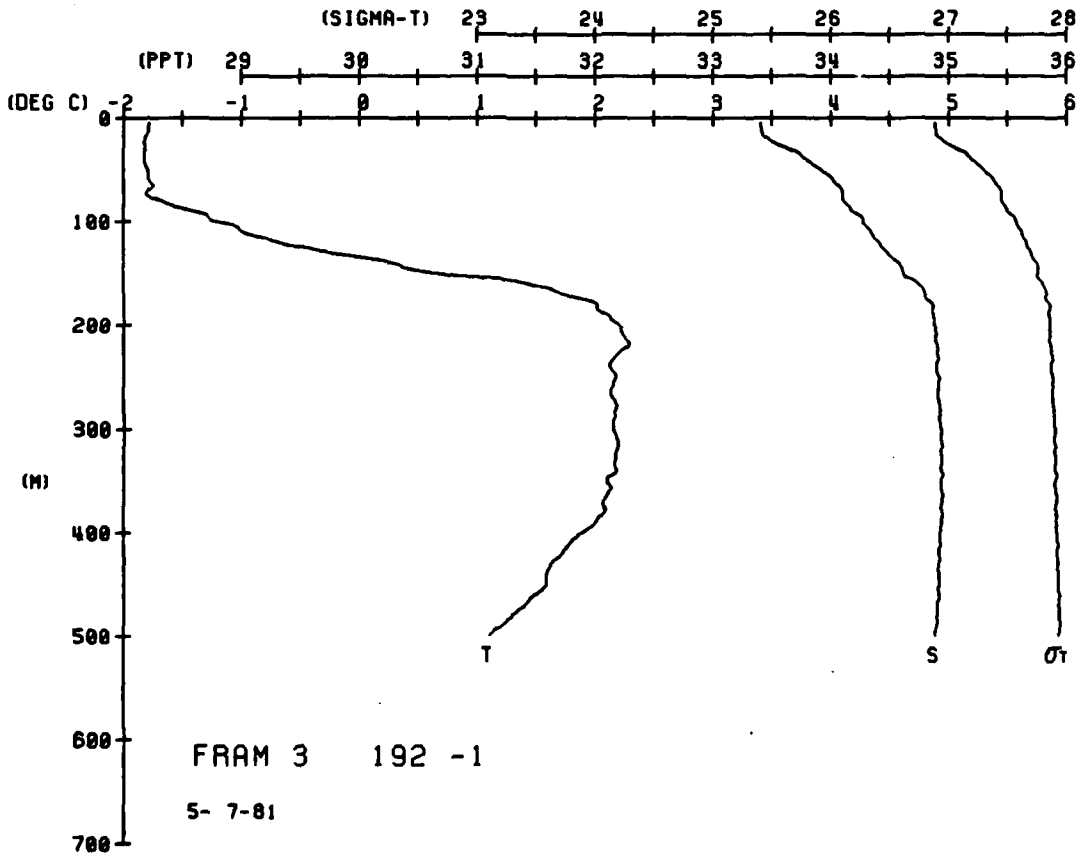
FRAM 3 STATION 192(1) CTD 7/MAY/1981 1350 GMT CODE = 5
LAT = 82.0167N LNG = 0.0717E LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.78	-1.78	33.40	26.88	116.1	0.000	1438.8
4.0	-1.78	-1.78	33.40	26.88	116.1	0.005	1438.8
5.0	-1.78	-1.78	33.41	26.88	115.8	0.006	1438.9
10.0	-1.78	-1.79	33.41	26.89	115.0	0.012	1438.9
15.0	-1.80	-1.80	33.42	26.90	114.5	0.018	1439.0
20.0	-1.82	-1.82	33.46	26.93	111.2	0.023	1439.0
25.0	-1.82	-1.82	33.53	26.99	105.7	0.029	1439.2
30.0	-1.81	-1.81	33.64	27.08	97.2	0.034	1439.5
35.0	-1.82	-1.82	33.75	27.16	89.2	0.039	1439.6
40.0	-1.82	-1.82	33.79	27.20	85.4	0.043	1439.8
45.0	-1.81	-1.81	33.86	27.25	80.3	0.047	1440.0
50.0	-1.79	-1.79	33.92	27.30	75.6	0.051	1440.3
55.0	-1.79	-1.79	33.99	27.36	70.6	0.055	1440.5
60.0	-1.78	-1.78	34.03	27.39	67.4	0.058	1440.6
65.0	-1.75	-1.75	34.07	27.42	64.4	0.062	1440.9
70.0	-1.79	-1.79	34.11	27.45	61.3	0.065	1440.9
75.0	-1.80	-1.80	34.10	27.45	61.4	0.068	1440.9
80.0	-1.68	-1.69	34.11	27.46	61.1	0.071	1441.6
85.0	-1.57	-1.57	34.16	27.49	57.8	0.074	1442.2
90.0	-1.40	-1.40	34.19	27.51	55.9	0.077	1443.2
95.0	-1.28	-1.28	34.26	27.57	50.7	0.080	1443.9
100.0	-1.19	-1.19	34.29	27.58	49.3	0.082	1444.4
110.0	-0.99	-0.99	34.35	27.63	44.8	0.087	1445.7
120.0	-0.68	-0.68	34.42	27.67	41.0	0.091	1447.3
130.0	-0.24	-0.24	34.49	27.71	37.4	0.095	1449.6
140.0	0.28	0.28	34.59	27.76	33.1	0.099	1452.3
150.0	0.65	0.64	34.63	27.77	32.0	0.102	1454.2
160.0	1.45	1.44	34.75	27.81	28.2	0.105	1458.1
170.0	1.73	1.72	34.81	27.84	26.1	0.108	1459.6
180.0	2.02	2.01	34.87	27.87	23.5	0.110	1461.1
190.0	2.12	2.11	34.87	27.86	24.3	0.113	1461.7
200.0	2.21	2.20	34.88	27.86	24.3	0.115	1462.3
210.0	2.25	2.24	34.90	27.87	23.6	0.118	1462.7
220.0	2.29	2.28	34.91	27.88	22.9	0.120	1463.1
230.0	2.17	2.16	34.91	27.89	21.8	0.122	1462.7
240.0	2.13	2.12	34.90	27.88	22.7	0.124	1462.7
250.0	2.18	2.17	34.92	27.89	21.5	0.127	1463.1
260.0	2.15	2.14	34.92	27.90	21.3	0.129	1463.1
270.0	2.16	2.14	34.92	27.90	21.5	0.131	1463.3
280.0	2.19	2.17	34.94	27.91	20.5	0.133	1463.6
290.0	2.16	2.15	34.93	27.90	21.0	0.135	1463.7
300.0	2.15	2.14	34.94	27.91	20.1	0.137	1463.8
310.0	2.19	2.17	34.94	27.91	20.7	0.139	1464.1
320.0	2.19	2.18	34.94	27.91	20.3	0.141	1464.3
330.0	2.18	2.16	34.95	27.91	20.0	0.144	1464.4
340.0	2.19	2.17	34.95	27.91	20.1	0.146	1464.7
350.0	2.11	2.09	34.94	27.91	20.1	0.148	1464.5
360.0	2.12	2.10	34.95	27.92	19.6	0.150	1464.7
370.0	2.07	2.05	34.95	27.92	19.3	0.152	1464.6
380.0	2.09	2.06	34.95	27.93	18.9	0.153	1464.9
390.0	2.01	1.98	34.95	27.93	18.9	0.155	1464.7
400.0	1.89	1.87	34.94	27.93	18.6	0.157	1464.3
410.0	1.79	1.76	34.94	27.94	17.7	0.159	1464.0
420.0	1.73	1.70	34.92	27.93	18.4	0.161	1463.9
430.0	1.62	1.60	34.92	27.94	17.7	0.163	1463.6
440.0	1.60	1.57	34.93	27.94	17.1	0.165	1463.7
450.0	1.59	1.56	34.92	27.94	17.4	0.166	1463.8
460.0	1.49	1.47	34.93	27.95	16.2	0.168	1463.5
470.0	1.41	1.38	34.91	27.94	17.0	0.170	1463.3
480.0	1.30	1.27	34.91	27.95	16.3	0.171	1463.0
490.0	1.21	1.18	34.91	27.96	15.8	0.173	1462.7
500.0	1.11	1.08	34.89	27.95	16.0	0.175	1462.5
500.0	1.11	1.08	34.89	27.95	16.0	0.175	1462.5



FRAM 3 191 -1

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FRAM 3 192 -1

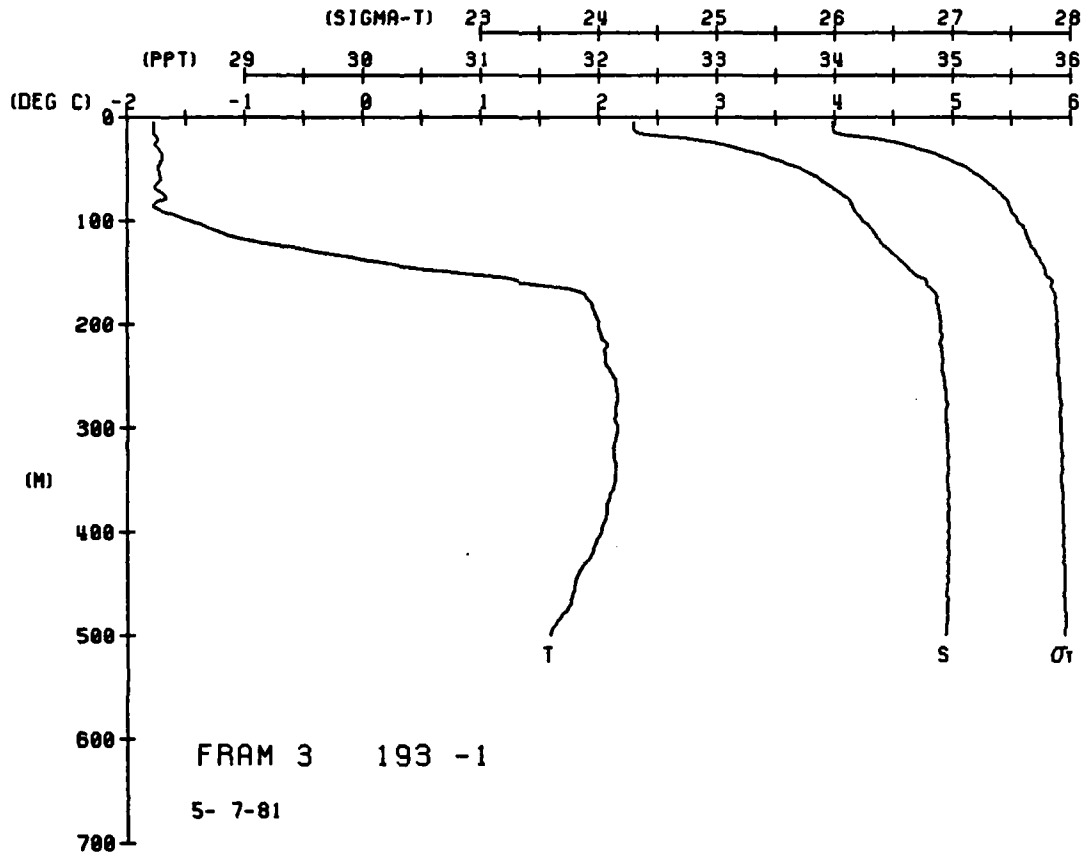
5- 7-81

FRAM 3 STATION 193(1) CTD 7/MAY/1981 1446 GMT CODE = 5
LAT = 82.0033N LNG = 2.3950W LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.30	25.98	201.3	0.000	1437.3
4.0	-1.77	-1.77	32.30	25.98	201.2	0.008	1437.3
5.0	-1.77	-1.77	32.30	25.98	201.2	0.010	1437.3
10.0	-1.77	-1.78	32.30	25.99	201.0	0.020	1437.4
15.0	-1.77	-1.77	32.33	26.01	198.6	0.030	1437.6
20.0	-1.74	-1.74	32.65	26.27	173.9	0.040	1438.2
25.0	-1.76	-1.76	32.99	26.55	147.6	0.048	1438.7
30.0	-1.74	-1.74	33.16	26.68	134.4	0.055	1439.1
35.0	-1.71	-1.71	33.35	26.84	120.1	0.062	1439.6
40.0	-1.71	-1.71	33.48	26.94	110.1	0.067	1439.9
45.0	-1.72	-1.72	33.61	27.05	100.2	0.073	1440.1
50.0	-1.73	-1.73	33.72	27.14	91.3	0.078	1440.3
55.0	-1.72	-1.72	33.80	27.21	84.8	0.082	1440.5
60.0	-1.72	-1.72	33.88	27.27	78.7	0.086	1440.7
65.0	-1.76	-1.76	33.94	27.32	74.0	0.090	1440.7
70.0	-1.75	-1.75	34.01	27.37	68.8	0.094	1440.9
75.0	-1.68	-1.68	34.07	27.42	64.7	0.097	1441.4
80.0	-1.70	-1.70	34.13	27.47	59.9	0.100	1441.5
85.0	-1.78	-1.78	34.15	27.49	57.6	0.103	1441.2
90.0	-1.71	-1.71	34.17	27.51	56.4	0.106	1441.7
95.0	-1.58	-1.58	34.22	27.54	53.4	0.109	1442.4
100.0	-1.46	-1.46	34.25	27.56	51.3	0.111	1443.1
110.0	-1.23	-1.24	34.33	27.62	45.8	0.116	1444.5
120.0	-0.93	-0.93	34.38	27.65	42.6	0.121	1446.1
130.0	-0.38	-0.38	34.49	27.71	37.3	0.125	1449.0
140.0	0.15	0.15	34.58	27.76	32.9	0.128	1451.7
150.0	0.79	0.78	34.67	27.79	30.1	0.132	1454.9
160.0	1.38	1.37	34.78	27.84	25.3	0.134	1457.9
170.0	1.87	1.86	34.86	27.87	22.9	0.137	1460.3
180.0	1.95	1.94	34.87	27.87	22.9	0.139	1460.8
190.0	1.98	1.97	34.89	27.89	21.8	0.141	1461.1
200.0	2.01	1.99	34.90	27.89	21.3	0.144	1461.5
210.0	2.02	2.01	34.91	27.90	20.9	0.146	1461.7
220.0	2.07	2.06	34.90	27.89	21.8	0.148	1462.1
230.0	2.06	2.05	34.91	27.90	21.0	0.150	1462.2
240.0	2.07	2.06	34.91	27.90	21.2	0.152	1462.4
250.0	2.13	2.12	34.92	27.90	21.0	0.154	1462.9
260.0	2.15	2.14	34.94	27.91	20.2	0.156	1463.1
270.0	2.16	2.14	34.94	27.91	19.7	0.158	1463.4
280.0	2.14	2.13	34.95	27.92	19.2	0.160	1463.5
290.0	2.13	2.12	34.94	27.92	19.5	0.162	1463.6
300.0	2.15	2.14	34.95	27.92	19.1	0.164	1463.8
310.0	2.14	2.12	34.96	27.93	18.6	0.166	1464.0
320.0	2.13	2.11	34.96	27.93	18.8	0.168	1464.1
330.0	2.13	2.12	34.96	27.93	18.9	0.170	1464.3
340.0	2.14	2.12	34.97	27.93	18.2	0.172	1464.5
350.0	2.14	2.12	34.96	27.93	18.9	0.174	1464.6
360.0	2.12	2.10	34.97	27.94	18.1	0.176	1464.7
370.0	2.08	2.06	34.97	27.94	17.9	0.177	1464.7
380.0	2.07	2.05	34.97	27.94	17.5	0.179	1464.8
390.0	2.05	2.03	34.97	27.94	17.4	0.181	1464.9
400.0	2.03	2.00	34.97	27.94	17.6	0.183	1465.0
410.0	1.98	1.96	34.97	27.95	17.3	0.185	1464.9
420.0	1.95	1.93	34.97	27.95	16.7	0.186	1465.0
430.0	1.88	1.86	34.96	27.95	16.7	0.188	1464.8
440.0	1.83	1.80	34.96	27.96	16.4	0.190	1464.7
450.0	1.80	1.77	34.96	27.95	16.5	0.191	1464.8
460.0	1.78	1.75	34.95	27.95	17.1	0.193	1464.8
470.0	1.76	1.73	34.95	27.95	16.5	0.195	1464.9
480.0	1.69	1.66	34.96	27.96	15.5	0.196	1464.8
490.0	1.62	1.59	34.95	27.96	15.7	0.198	1464.6
500.0	1.59	1.56	34.94	27.95	16.5	0.199	1464.7
500.0	1.59	1.56	34.94	27.95	16.5	0.199	1464.7

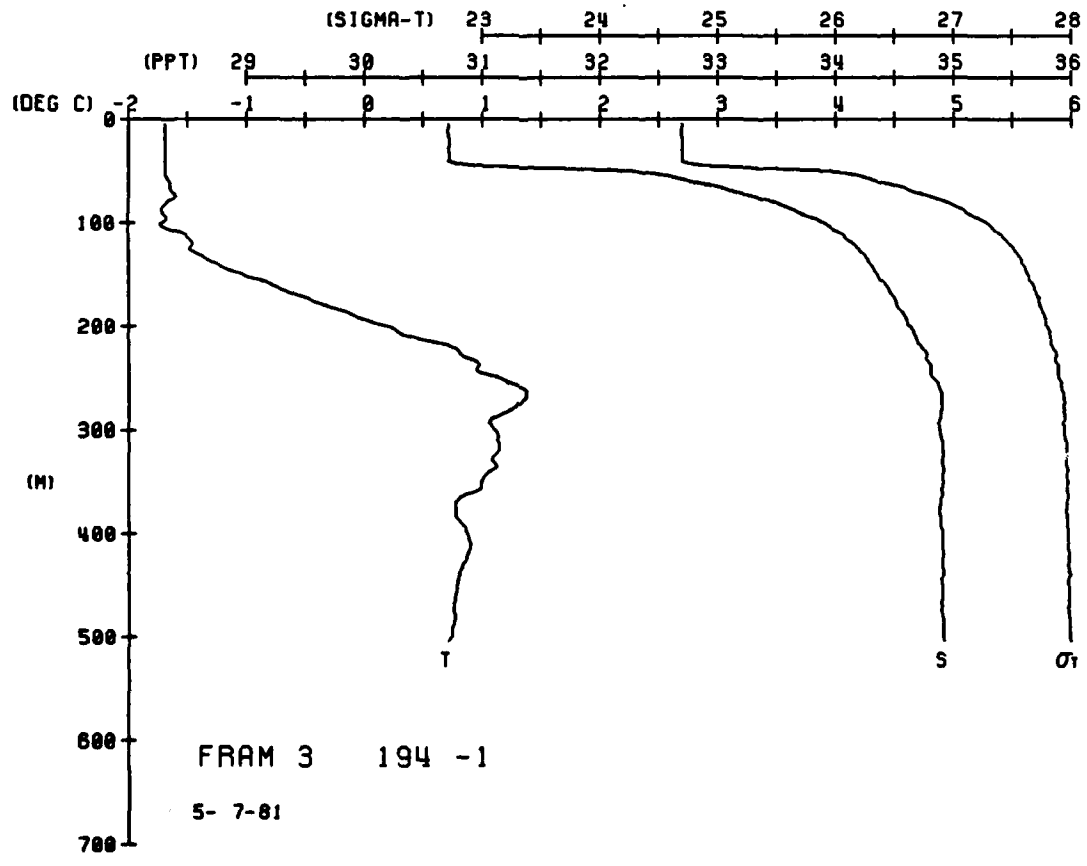
FRAM 3 STATION 194(1) CTD 7/MAY/1981 1555 GMT CODE = 5
LAT = 81.9717N LNG = 5.9617W LTER = 300. LGER = 300.
AIR TEMP = 0.0 BAROM = 0.0 WIND = 0.0 SPEED = 0.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.68	-1.68	30.72	24.70	323.3	0.000	1435.4
4.0	-1.68	-1.69	30.72	24.70	323.2	0.013	1435.5
5.0	-1.69	-1.69	30.72	24.70	323.3	0.016	1435.5
10.0	-1.69	-1.69	30.71	24.69	323.8	0.033	1435.6
15.0	-1.69	-1.69	30.72	24.70	323.5	0.049	1435.7
20.0	-1.69	-1.69	30.72	24.70	322.8	0.065	1435.8
25.0	-1.69	-1.69	30.72	24.70	322.9	0.082	1435.8
30.0	-1.69	-1.69	30.72	24.70	322.9	0.098	1435.9
35.0	-1.68	-1.69	30.73	24.70	322.5	0.114	1436.0
40.0	-1.68	-1.69	30.72	24.70	323.0	0.131	1436.1
45.0	-1.68	-1.69	31.00	24.93	301.0	0.146	1436.6
50.0	-1.68	-1.69	32.17	25.88	210.7	0.159	1438.3
55.0	-1.68	-1.68	32.59	26.22	178.5	0.169	1439.0
60.0	-1.65	-1.65	32.76	26.36	165.1	0.178	1439.5
65.0	-1.65	-1.65	32.98	26.54	148.1	0.186	1439.9
70.0	-1.63	-1.63	33.13	26.66	136.5	0.193	1440.3
75.0	-1.60	-1.60	33.32	26.81	122.5	0.200	1440.7
80.0	-1.67	-1.67	33.49	26.95	109.0	0.205	1440.7
85.0	-1.71	-1.72	33.60	27.04	100.0	0.211	1440.8
90.0	-1.70	-1.70	33.70	27.12	92.5	0.216	1441.1
95.0	-1.67	-1.67	33.81	27.21	84.6	0.220	1441.4
100.0	-1.72	-1.72	33.92	27.30	75.8	0.224	1441.5
110.0	-1.53	-1.53	34.04	27.40	66.5	0.231	1442.7
120.0	-1.46	-1.46	34.15	27.48	58.5	0.238	1443.3
130.0	-1.41	-1.41	34.24	27.55	51.5	0.243	1443.9
140.0	-1.24	-1.25	34.30	27.60	47.4	0.248	1444.9
150.0	-1.03	-1.04	34.36	27.64	43.7	0.253	1446.1
160.0	-0.77	-0.78	34.44	27.69	39.1	0.257	1447.6
170.0	-0.55	-0.55	34.49	27.72	36.1	0.261	1448.9
180.0	-0.31	-0.32	34.53	27.74	34.2	0.264	1450.2
190.0	-0.07	-0.08	34.59	27.78	30.7	0.268	1451.6
200.0	0.20	0.19	34.64	27.80	28.8	0.271	1453.0
210.0	0.40	0.39	34.69	27.83	25.9	0.273	1454.2
220.0	0.75	0.74	34.73	27.85	24.7	0.276	1456.0
230.0	0.86	0.85	34.77	27.87	22.6	0.278	1456.7
240.0	0.96	0.95	34.81	27.90	20.4	0.281	1457.3
250.0	1.15	1.14	34.84	27.90	19.8	0.283	1458.4
260.0	1.36	1.35	34.89	27.93	17.6	0.284	1459.6
270.0	1.36	1.35	34.90	27.94	16.6	0.286	1459.8
280.0	1.26	1.25	34.90	27.95	16.1	0.288	1459.5
290.0	1.07	1.05	34.89	27.95	15.6	0.289	1458.8
300.0	1.11	1.10	34.89	27.95	15.5	0.291	1459.1
310.0	1.14	1.12	34.91	27.96	14.4	0.293	1459.5
320.0	1.14	1.12	34.91	27.97	14.1	0.294	1459.6
330.0	1.09	1.08	34.91	27.97	14.1	0.295	1459.6
340.0	1.07	1.05	34.92	27.98	13.3	0.297	1459.7
350.0	1.00	0.98	34.92	27.98	12.9	0.298	1459.5
360.0	0.94	0.92	34.91	27.98	13.0	0.299	1459.4
370.0	0.78	0.76	34.89	27.97	13.2	0.301	1458.8
380.0	0.77	0.76	34.89	27.97	13.6	0.302	1459.0
390.0	0.83	0.81	34.90	27.97	13.5	0.303	1459.4
400.0	0.88	0.86	34.91	27.98	12.7	0.305	1459.8
410.0	0.90	0.88	34.91	27.98	12.8	0.306	1460.1
420.0	0.88	0.86	34.92	27.99	12.0	0.307	1460.1
430.0	0.84	0.82	34.91	27.98	12.6	0.309	1460.1
440.0	0.81	0.79	34.92	27.99	11.6	0.310	1460.2
450.0	0.79	0.77	34.91	27.98	12.4	0.311	1460.2
460.0	0.77	0.75	34.91	27.99	12.2	0.312	1460.3
470.0	0.76	0.74	34.91	27.99	12.3	0.314	1460.4
480.0	0.77	0.75	34.92	27.99	11.7	0.315	1460.6
490.0	0.75	0.73	34.92	28.00	11.4	0.316	1460.7
500.0	0.74	0.72	34.92	28.00	11.1	0.317	1460.8
503.0	0.72	0.70	34.92	28.00	10.6	0.317	1460.8



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During the spring of 1981, a manned camp was established on a drifting ice floe north of Spitzbergen. During the 61 days of occupation, the Arctic Oceanography Department of Lamont-Doherty Geological Observatory obtained a total of 194 STD stations from the combined efforts of personnel in charge of camp-based and helicopter-based operations. This report describes the methods used in the acquisition and processing of the data and provides output for each cast.

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The output consists of standard level listings of temperature, potential temperature, salinity, sigma-t, specific volume anomaly, dynamic height, and sound velocity, along with corresponding profiles of temperature, salinity and sigma-t.

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