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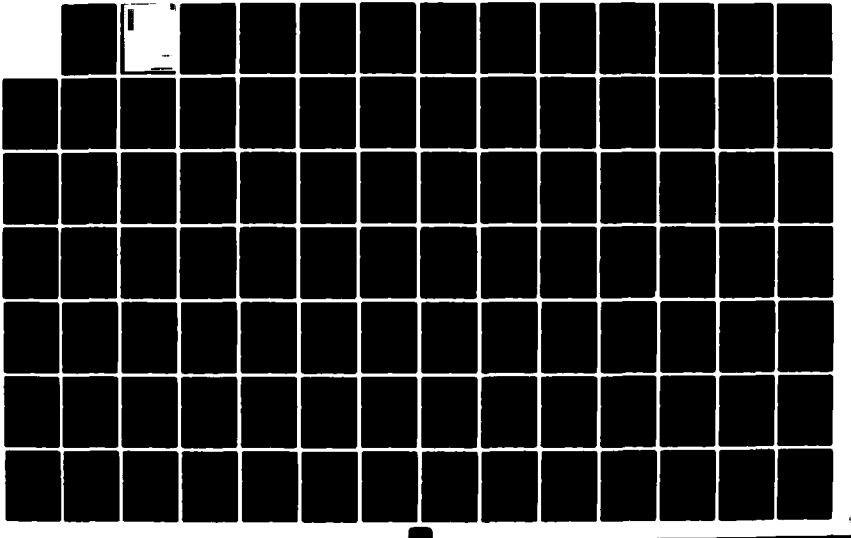

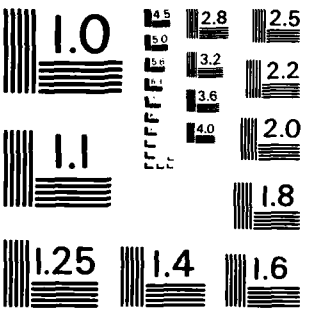

PHYSICAL OCEANOGRAPHY REPORT

STD DATA FROM

DRIFTING ICE STATION FRAM I

prepared by

T.O. Manley, Werner Tiemann and Kenneth Hunkins

TECHNICAL REPORT

LDGO-83-2

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Abstract

From April 29, 1979 to May 6, 1979 a total of 88 casts were made with a CTD (Conductivity, Temperature and Depth) instrument at the drifting ice station Fram I. Profiles were taken at least twice a day from the surface to 700 m and at more closely spaced intervals during special phases of the experiment. A separate helicopter C/STD survey was also conducted during the experiment and the resulting data were reported separately.

Data obtained from the camp-based Plessey 9040 CTD were simultaneously recorded digitally on magnetic tape and on analog charts. Profile data from the digital tapes were smoothed using a running average. Response time of the temperature sensor was corrected for thermal lag by varying a lag constant (τ) until descending and ascending parts of the cast on a T-S diagram were nearly congruent. No lag correction was applied to the conductivity data because of the rapid response time of the conductivity cell. A small drift that occurred when both sensors were stopped for bottle sampling was also taken into account during data reduction.

Static calibration of the temperature, conductivity and depth sensors was provided by bottle and reversing thermometer data. Least squares, best-fit polynomials, whose parameters were temperature (T), conductivity (C) and depth (D), converted the observed data to final data.

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

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Introduction

After completion of the Arctic Ice Dynamics Joint Experiment (AIDJEX) in the Beaufort Sea in 1976 which emphasized ice mechanics in the central pack, scientific interest grew in the eastern Arctic Ocean and the Eurasian Basin within which the waters of the Atlantic Ocean mix with those of the Arctic. Although the ice-free region off the coast of Svalbard in the eastern Arctic Ocean has been sampled frequently, and even the ice covered areas near Greenland have been sampled occasionally, few data have been collected in the Eurasian Basin north of the Fram Strait.

Beginning in 1979, the United States along with Denmark, Norway and Canada began a concerted effort to begin oceanographic and geophysical investigations in this relatively unexplored region of the Arctic Ocean north of Greenland by initiating the Fram series of experiments. These were designed to echo the drift of Fridtjof Nansen's specially designed ship, FRAM, which in 1893 was frozen into the pack ice of the New Siberian Islands and allowed to drift until it broke free of the ice in 1896. During this drift an unprecedented amount of data were collected over the deep ocean of the Eurasian Basin.

Fram I, the first of the four planned U. S. manned ice camps was established on March 11, 1979, at 84°24'N and 6°00'W (Fig. 1). During the next two months, until May 13th when data collection ended, studies in chemical and physical oceanography, low-frequency underwater acoustics, geophysics and the mechanics of wave propogation through sea ice were successfully completed and results of some of these investigations have been published (Kristoffersen, 1979; Hunkins et al., 1979a, b).

It was the goal of the Lamont physical oceanography program to collect data which would help provide insight into the origin and effects of the steep

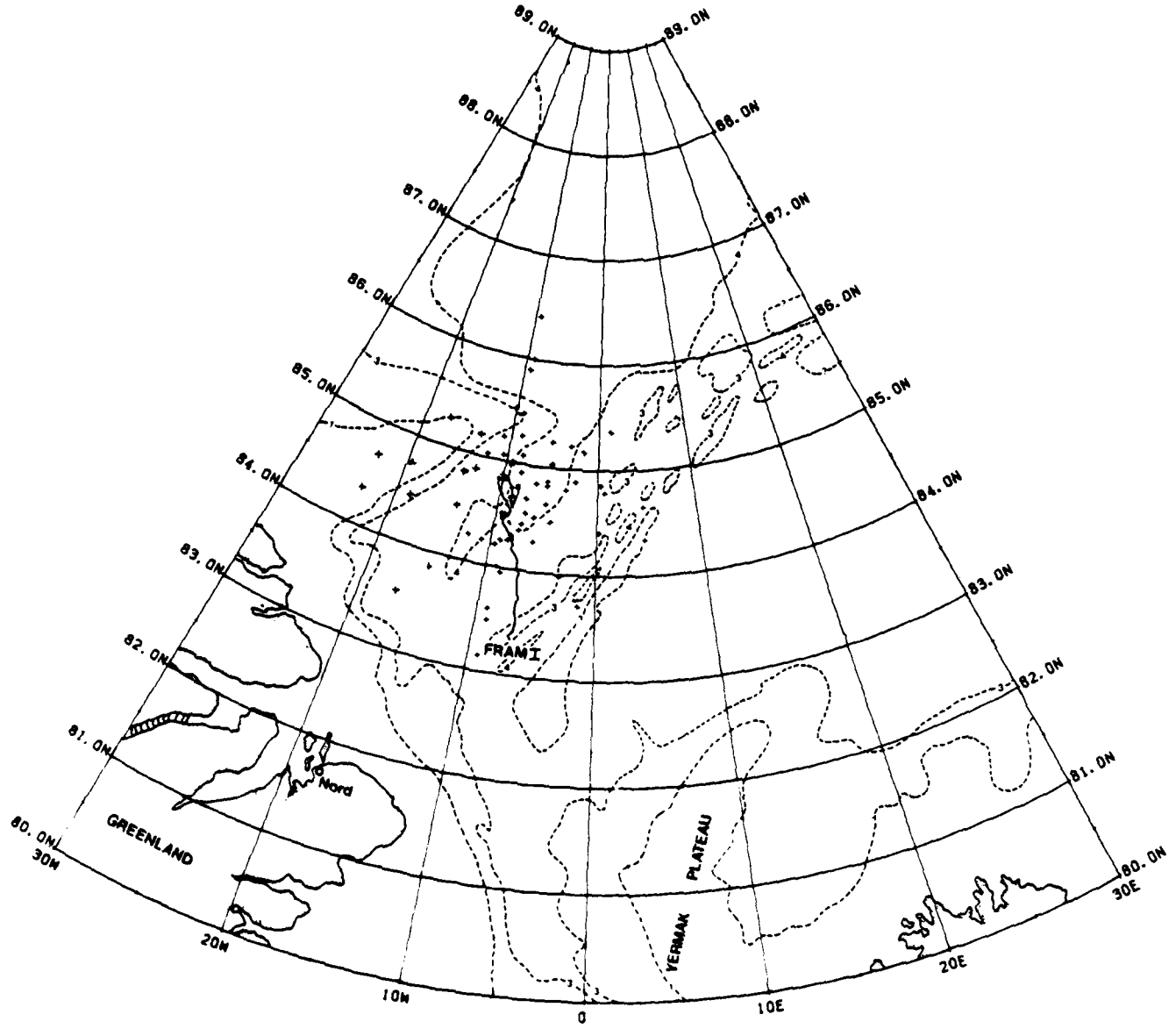

Fig. 1 - Drift track of Fram I and positions of helicopter ODE/C/STD stations superimposed on the bathymetry of the Arctic Ocean.

pycnocline that lies directly beneath the mixed layer (50 m) and the upper extent of the Atlantic water (200 m). Current theory suggests that this pycnocline layer results from the formation of ice during wintertime on the shelves surrounding the Arctic Ocean. The resulting cold, saline shelf water is then later advected into the Arctic Ocean on layers of constant density between 50 m and 200 m. It was also hoped that the program would collect data which might reveal the unique salinity and temperature structures characteristic of the mesoscale eddies reported from the central regions of the Beaufort Sea (Manley, 1981). To accomplish these goals, both helicopter-portable and camp-based CTD's were utilized to collect data.

The area of observations was expanded by using a portable C/STD (Ocean Data Equipment model 202) along with a Bell 204 helicopter to take casts up to 150 km away from the main camp. Nominal sampling depths during these surveys were 270 m. Figure 1 shows the drift track of Fram I and the locations of the portable C/STD stations superimposed on the bathymetry of the Arctic Ocean. Data from these stations currently reside at NODC, and were reported on by McPhee (1980a, b).

The camp-based CTD (a Plessey model 9040) was used to sample the salinity and temperature structure to a depth of 700 m at least twice a day. During selected times, more frequent observations were taken to gain more information on the variability of fine structure and to provide concurrent observations at those times when the helicopter C/STD was actively taking stations. This report pertains only to this camp-based data.

Physical Oceanography Program

Upon completion of the basic operations of establishing camp, a 1 1/2 m by 1 1/2 m hydrohole through which the CTD would be lowered was cut through the 2 m thick ice floe. An small heated hut was then constructed over the hydrohole. The CTD, a small gas-powered winch holding 750 m of cable and associated electronic equipment were then assembled inside the hut as an integrated unit.

A General Oceanics rosette system holding 12 Niskin bottles was also used with the CTD in order to obtain water samples and reversing thermometer data. Water samples taken during the experiment were later analyzed in a single batch using a Guildline Model 8000 salinometer. Originally, the salinometer was located in the CTD hut, but because heat generated from the gas powered winch caused large ambient temperature fluctuations and made it difficult to maintain the water bath temperature in the instrument, the salinometer was moved to another hut which provided the necessary environment for proper operation.

A minimum of two CTD casts were conducted each day to a nominal depth of 700 m. More casts were taken 1) if interesting features within the water column were observed, or 2) to supply concurrent information at the camp when the helicopter C/STD was on a survey. Data pertaining to each cast were recorded digitally as well as on an x-x-y analog chart recorder. Camp-based CTD stations were abruptly terminated when a sheet of ice from a nearby lead unexpectedly underthrust and closed off the hydrohole toward the end of the experiment. At that time a total of 88 casts had been taken at Fram I. The sensor unit was being lowered when the hole was closed and considerable effort was necessary to extricate it. Although the instrument was finally recovered without damage, the hole was unusable. Figure 2 shows a more detailed plot of the drift track of Fram I, and Figure 3 shows the positions of the casts and their numbers along the drift track.

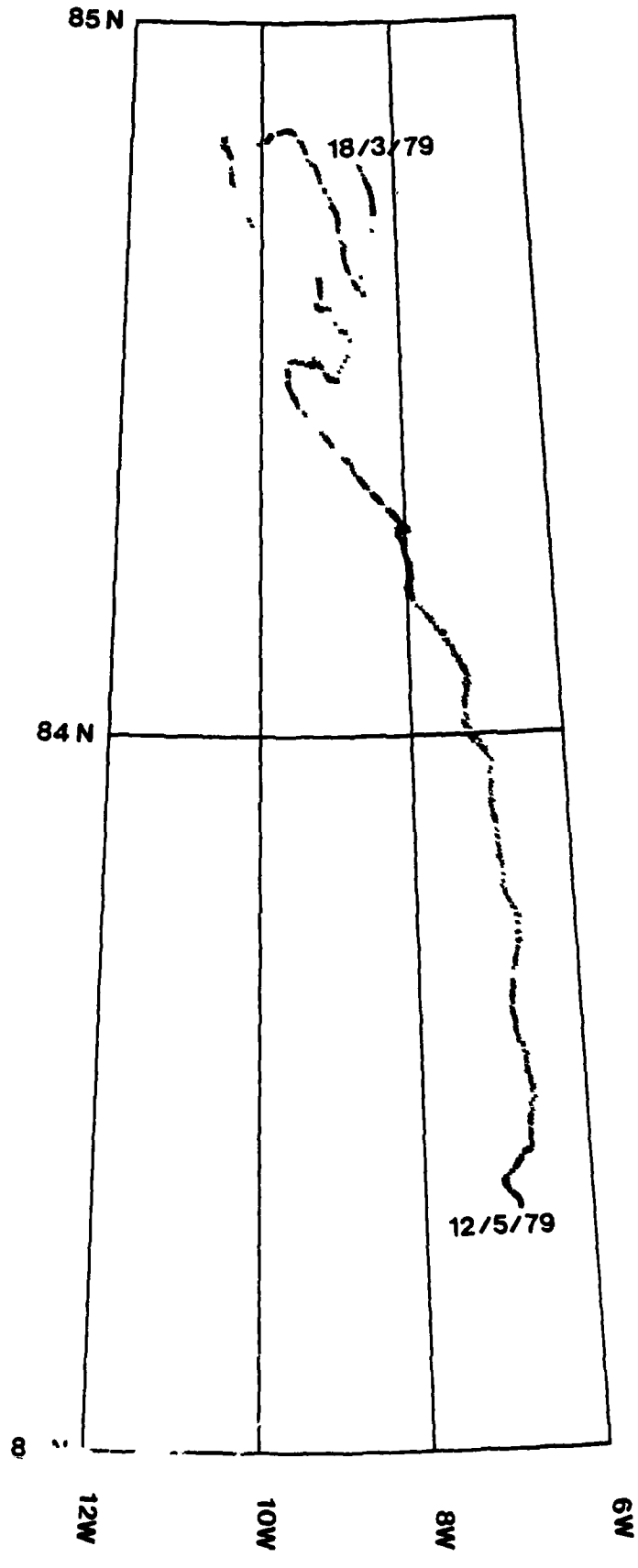

Fig. 2 - A detailed plot of the drift track of Fram I.

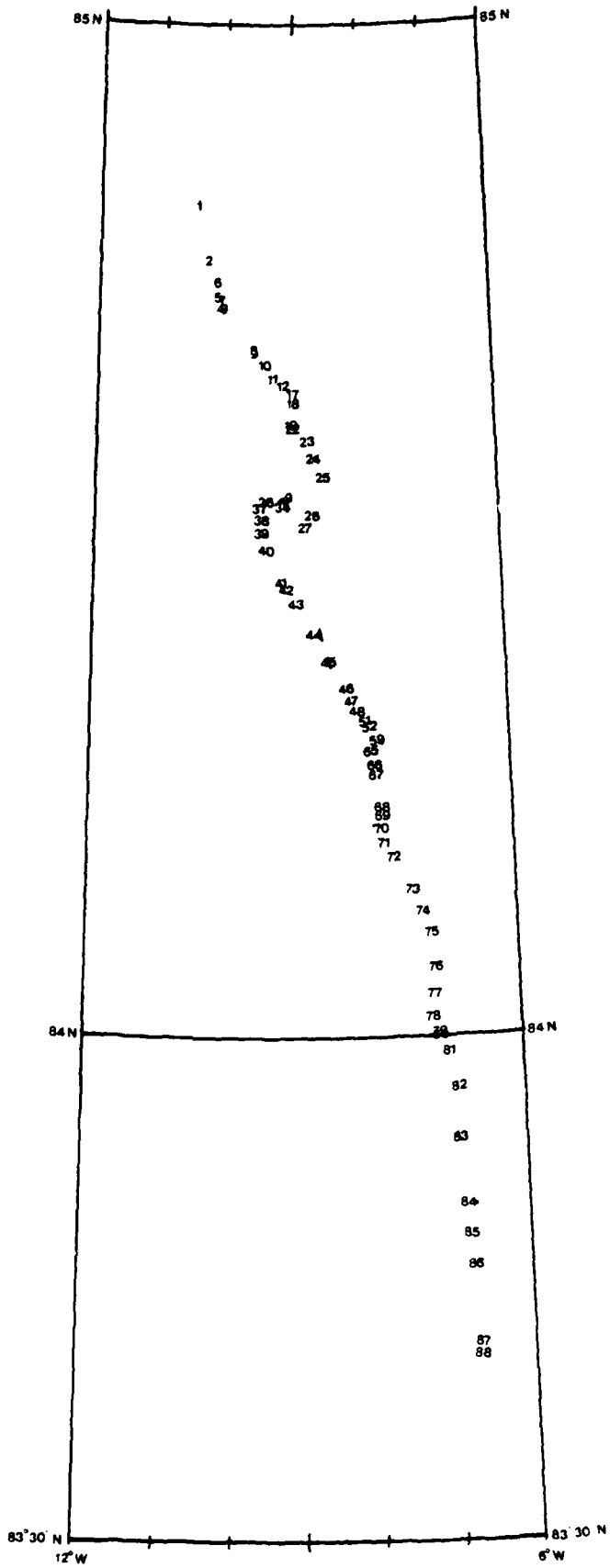

Fig. 3 - CTD cast numbers along the drift track of Fram I.

Dynamic Calibration

Figure 4 shows the flow of the CTD data processing stages. Initial screening of the raw data to remove spikes and discontinuities was done by computer so as to keep the data in a time series to correct for temperature lag. Bad data were either replaced by interpolated data or, if extensive, the time series was terminated and restarted when good data were again available. Thus, some gaps appear. Smoothing was done by applying a 3-point running mean to the temperature and salinity data and a 7-point running mean to the depth data. The larger depth window was chosen because of the relation between digital resolution of the depth channel (0.3 m) and the slowest lowering rate.

In general, the dynamic response characteristics of a CTD sensor depend primarily on the time constant of the temperature compensation probe since *that of the conductivity cell is negligable by comparison.* *In practice*, however, although the probe constant for the model 9040 CTD is quoted as 0.35 seconds by the manufacturer, analysis of output data by different investigators using different methods has yielded estimates ranging from about 0.2 to 3.0 seconds. (Scarlet, 1975; Goulet and Culverhouse, 1972). Apparently, a certain variability can also result when the same method is applied to different sensors under different conditions.

The bias associated with the dynamic response of individual sensors is, in fact, detectable and a method which aims at compensation has been incorporated in the data reduction procedure. The screened, smoothed raw data are retained as an evenly spaced time-series in conductivity, temperature and depth (C, T, D) so that the time-rate-of-change of sensed temperatures ($\partial T/\partial t$) can be computed.

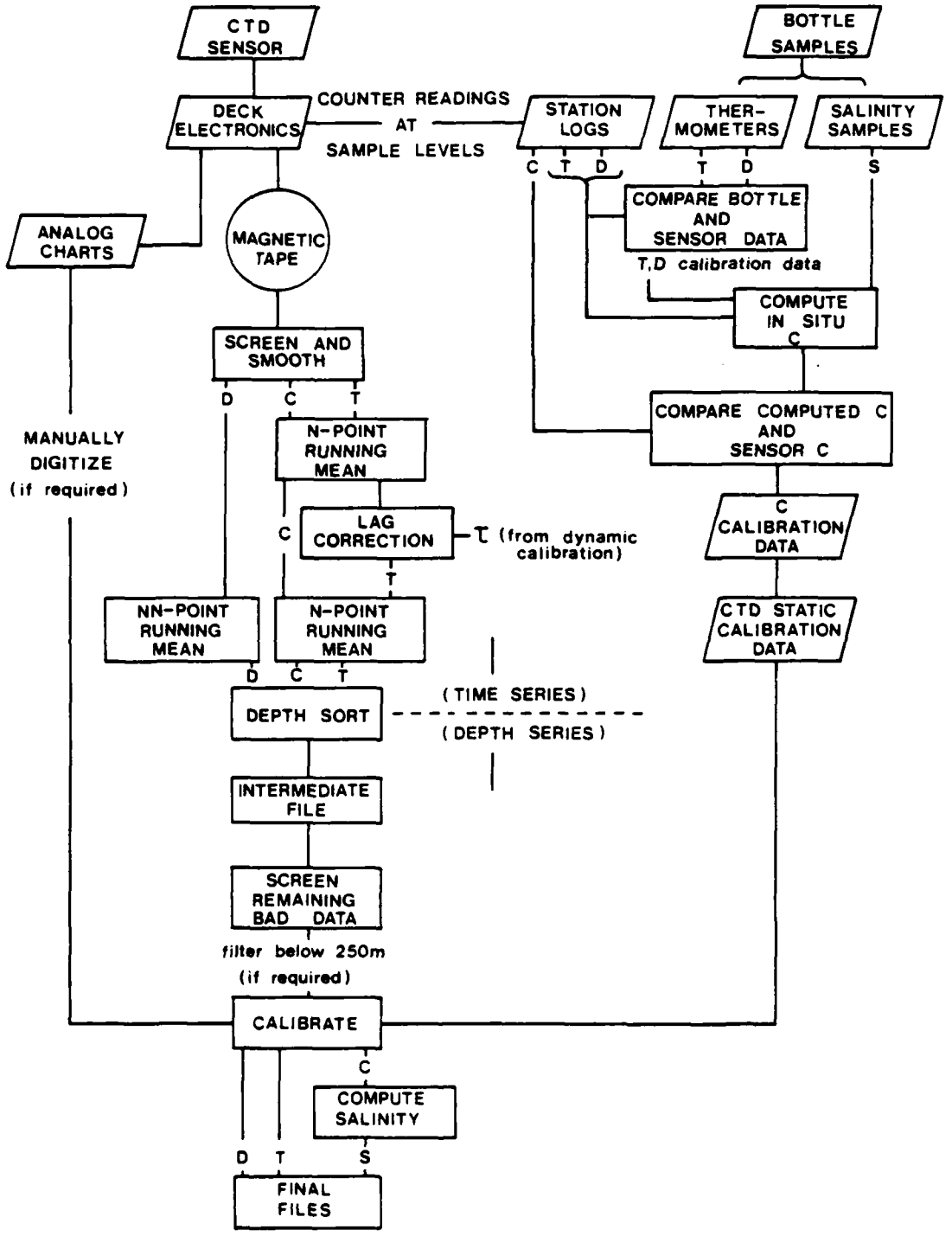

Fig. 4 - CTD Calibration Flow Diagram.

A correction for the time response lag of the temperature sensors is then applied to temperature before the series is sorted for increasing depth. The correction is based on the assumption (suggested by Scarlet, [1975]) that response is exponential with a time constant, τ, such that

$$T' = T + \tau \frac{\partial T}{\partial T} \qquad (1)$$

where T and T' are the sensed and corrected parameters, respectively. The major source of error is in the computing of $\partial T/\partial t$. DDL (digital data logger) resolution in temperature is ± .003°C but this may be degraded somewhat by noise. However, careful consideration of the sample rate and the range for smoothing and computing the temperature slope can give a workable computer approximation of equation 1. Once the correction model is established, we can return to the data for an *estimate of what* τ *should* be.

A typical STD profile of the water column in the Fram I area is shown in Figure 5. The trace is relatively free of the "spiking" normally associated with accelerations of a ship's motion and rapid drop rates of a ship-launched cast. What is usually produced, however, is an apparent offset, primarily in salinity, which is related to the response lag of the temperature sensor and which is sustained until the temperature gradient subsides. Dantzler (1974) in particular has pointed out the importance of this kind of systematic error. A typical raw data printout will show the onset of an interface as two distinct events, one in conductivity and then one in temperature lagging one or more scan intervals behind. (Scan intervals were generally 0.5 sec; occasionally 0.1 or 1.0 sec.). Downtrace and uptrace T-S diagrams of the same profile were compared for a number of stations while the time constant τ was adjusted so as to minimize the offset between traces (Bauer, et. al., 1980a, b, c, d).

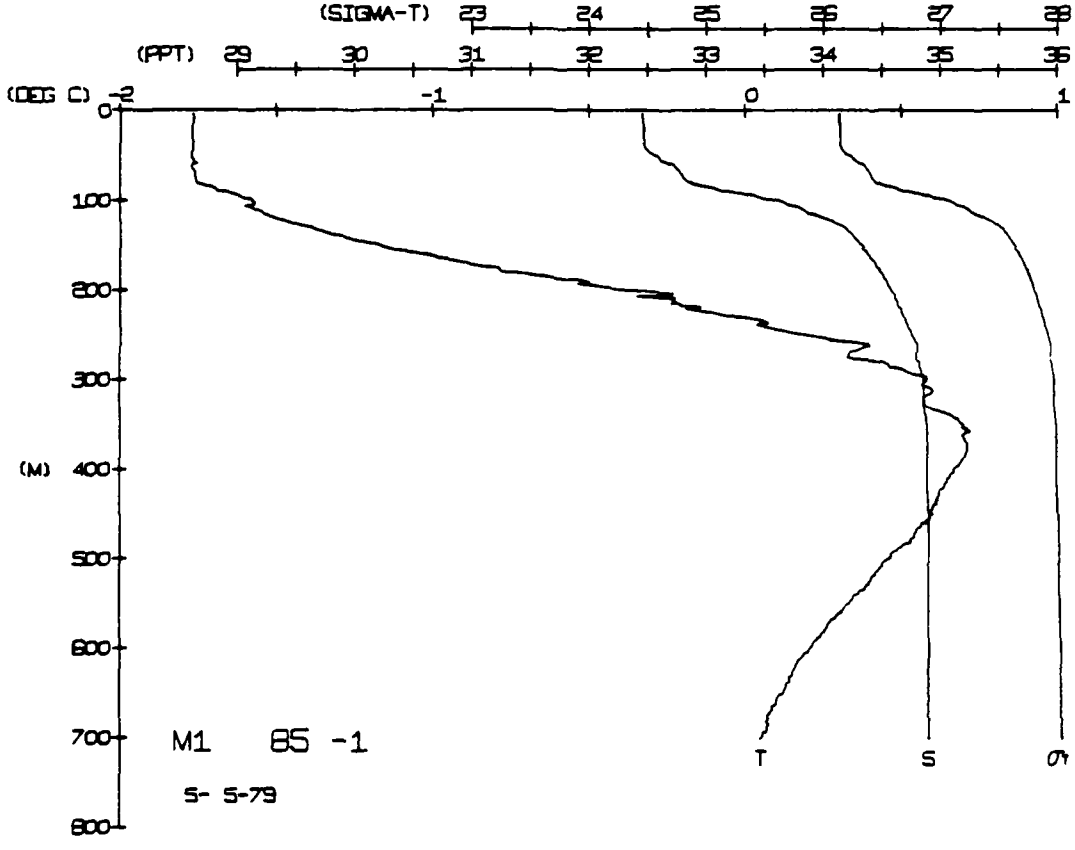

Fig. 5 - Normal S-T-σ_t profiles from Fram I.

This approach is readily implemented as a calibration procedure using a CRT computer terminal to monitor T-S diagrams. The time constant for the correction model is adjusted at selected station intervals in the data set to compensate for observed trends in the sensor response. Results for this instrument indicated a best temperature lag coefficient (τ) to be 0.5 sec which is consistent with the coefficient determined during the AIDJEX Experiment for this instrument (Bauer, *et. al.*, 1980a).

The extent to which the τ value can be interpreted as a valid indication of sensor dynamic response depends, of course, on certain assumptions. The intermediate scale features are regarded as unchanged over the lapse of time (generally one hour) between downtrace and uptrace of any given station. Moreover, short-term changes would cause erratic adjustment of τ, and this is not observed. The assumption that response lag in temperature is the dominant cause of offset between downtrace and uptrace also ignores other kinds of hysteresis and the effect of mixing by movement of the instrument package through the interface. In the case of mixing it might be proposed that the maximum effect occurs on the uptrace when the instrument wake precedes the sensors, entraining saltier water at the interface. The observed offset is toward lower salinity, however, and argues against the significance of this process.

Once the determination of τ was completed, uptraces were eliminated from the data set. As can be seen from equation 1, temperature lag corrections no longer become neccessary as the temperature gradient becomes very small and varies smoothly with depth. Below 400 m temperature lag corrections rarely attain a magnitude of 0.0004°C, and in the vast majority of cases it is less than 0.002°C which is less than the resolution of the DDL temperature and salinity data. As a result, no temperature lag corrections were made below

400 m. It should be stressed, however, in other parts of the Arctic Ocean this step might not be applicable because of the dynamic structure of the temperature gradient above 1000 m.

The time lag corrections were then applied to the smoothed temperature data, and the data then sorted according to increasing depth.

CTD Static Calibration Procedures

Bottle data consisting of protected and unprotected thermometer readings, and salinity determinations from the water taken near the surface, the temperature maximum of the Atlantic Water and the bottom of the cast provided the bulk of the data neccessary for the calibration of the conductivity, temperature and depth sensors. Recorded information pertaining to the output of the three sensors taken from the deck unit at the instant that the instrument was stopped provided the remaining data required for the calibration procedure. The information mentioned above was punched onto computer cards along with their appropriate station identification parameters and stored in the computer. Delta values between the recorded values and the bottle data were then calculated and stored on file along with the original input data.

Preliminary quality control checks were done on the calibration data after it had been stored on file. These checks consisted of looking for the delta values of temperature and depth outside a given tolerance range for each parameter. When data of this type were found, it became neccessary to evaluate the validity of the values on the basis of technical logs and other possible sources of error, such as incorrectly punched input. In the majority of cases, an explanation for the excessive delta values was found and the data were repunched and again submitted to the data set. Of the 5 per cent of the calibration data set that required this special editing, less than 10 per cent of the data points were rejected because of technical problems.

Depth dependency of the various sensors within every calibration period was also calculated using least squares, best-fit polynomials. Their associated standard deviations and plots of the ploynomial against the delta values were the criteria used to determine the polynomial of least degree that

would fit the data. In practice, the temperature sensor calibration was found not to be depth-dependent which agrees with previous work done with the Plessey CTD.

Depth, however, was always found to be quadratically depth-dependent. There were special cases for the depth and conductivity sensors where, depending on the number of points, linear to cubic fits were considered the best choice.

At the end of the calibration procedure, there were 3 delta functions for every point in time that would convert intermediate temperature and depth values to final calibrated data as shown in equation 2.

$$S_f = S_i = P_{sn}(d,t) \tag{2}$$

Using the polynomial equations for temperature and depth, it was then possible to calibrate the conductivity sensor.

The problem of conductivity calibration is two-fold: 1) to convert bottle data salinities obtained from the salinometer to in situ conductivities, and 2) to insure continuity between Plessey and salinometer conductivities before comparison.

To convert conductivities derived from salinometer measurements to salinities at the correct temperature and pressure observed by the sensor, the selection of a transfer equation (f), as shown by equation 3, was used:

$$c = f(s,t,p(z)) \tag{3}$$

where c = conductivity

s = precise measurement of salinity (salinometer)

t = actual temperature of water at depth z

p = pressure at depth of observation, z.

All salinity data are currently based on lab salinometer results as computed by the Practical Salinity Scale, 1978.

Bottle data readings were placed in permanent files in the computer as described previously. Final equations for the calibration of temperature and depth were calculated prior to the conductivity calibration procedure. These values were required as input parameters to the reversed Practical Salinity Scale equation to accurately provide the in situ conductivity given the precise values of salinity, temperature and the depth of observation.

Delta values in condutivity were then calculated for all the bottle data in the CTD set. Once the calibration polynomial had been formulated for conductivity, it became a straightforward process to calculate salinity-temperature-depth data from the intermediate CTD data. The order of progression is very important and is as follows:

a) correct temperature to produce final temperature, t_f

b) correct depth to produce final depth, d_f

c) correct conductivity to produce final conductivity, c_f

d) compute salinity with Practical Salinity Scale-78 using t_f, d_f, c_f

Final conductivity values were not saved during the processing and are, therefore, not reported.

Subsequent Processing

Even though conductivity, temperature and depth had been converted into final calibrated data, errors still existed. A combination of several checks involving the plotting of the data in various forms and the sorting of various parameters revealed errors that were previously unnoticed.

The deletion of data while the sensors were in the hydrohole, where the water is unnaturally heated and freshened, and the addition of weather and position information for the individual stations were also a part of this procedure.

T-S diagrams were employed on large groups of stations to show stations which deviated from the mean. Stations that were flagged in this manner were rechecked for validity. If the data turned out to be in error and the error resulted from processing, the station was reworked from the point at which the error occurred.

Nested temperature and salinity traces plotted in this report were also a useful quality control to observe stations that did not follow the mean trends of the other plotted profiles. If a station was considered questionable, the original analog chart was used as the basis for the deletion or acceptance of the profile. Sequential sorting of the recorded dates and times of the stations was also done and stations that were out of order were resubmitted to the data set.

Temperature and salinity values taken while the sensor was in the hydrohole (ice thickness of 2 m) were then removed.

As a final indication of the quality of the salinity and tempeature data, averaged values of the bottle and reversing thermometer at the various sampling depths are shown n the profiles as "x's" and "+'s", respectively.

ACCURACY OF THE DATA

Tests were run to determine the accuracy of the DDL. The bottle data were used as the standard against which the final salinities and temperatures were checked. The final salinity and temperature data were then subtracted from the observed bottle data at the various tripping depths. Mean differences and associated standard deviations for conductivity and temperature were .004 ± .006 and .004 ± .005 respectively.

METEOROLOGY DATA

Periodic surface observations and continuous digital recordings of meteorological sensors at a fixed height above the surface of the ice were maintained at Fram I. From the original data, three-hourly averages of surface barometric pressure, and half-hourly averages of wind speed, and direction at 9.2 meters and air temperature at 7.8 meters above the surface were obtained for Fram I.

Data which were closest in time to each station were recorded along with the station data in permanent files on the computer (blanks implying no data available for that parameter).

POSITION ESTIMATES AND ASSOCIATED ERRORS

Filtered and smoothed estimates for position and velocity through time were computed from the original edited satellite navigation in a similar manner as that of Thorndike and Manley (1980a, b).

Position estimates were not regularly spaced in time nor did they correspond to the starting times of stations; thus reliable estimates of the position and ice velocity, as well as associted errors at the time of the CTD stations were made through quadratic interpolations in the same manner as that described by Manley et. al. (1980a, b, c, d), and Bauer et. al. (1980a, b, c, d). Noramlly, 25 to 30 position fixes were recorded per day, but this could rise to close to 60 and for a period of approximately 2 days the number dropped to zero.

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TABLE 1

STATION INFORMATION

In this section is a brief listing of all the CTD station taken on Fram I along with other pertinent information. A list of the terms and their meanings is shown below:

CAMP	Name of Camp
STAT	CTD Station
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
D. MIN	Minimum Depth (meters) of station
D. MAX	Maximum Depth reached at station
LATITUDE	Latitude of station in decimal degrees
LONGITUDE	Longitude of station in decimal degrees
	(- indicates west longitude)
LT. ERR	Error of Latitude Position in meters
LG. ERR	Error of Longitude Position in meters

TABLE 1

CAMP	STAT	MODE	DY	MON	YR	TIME	CODE	AJXDAY	D MIN	D MAX	LATITUDE	LONGITUDE	LAT ERR	LNG ERR
FRAM 1	1	1	29	MAR	79	2200	1	88 9167	3 4	488 2	84 81780	-10 49960	0 9	1 7
FRAM 1	2	1	30	MAR	79	1627	1	89 6854	3 1	700 7	84 76380	-10 35480	1 9	4 5
FRAM 1	3	1	31	MAR	79	1430	1	90 6042	3 0	740 0	84 71570	-10 11870	18 6	34 8
FRAM 1	4	1	1	APR	79	1100	1	91 4583	3 1	697 0	84 71590	-10 16570	0 4	0 6
FRAM 1	5	1	1	APR	79	1707	1	91 7132	3 0	699 2	84 72760	-10 22350	10 1	29 3
FRAM 1	6	1	2	APR	79	740	1	92 3194	3 1	697 4	84 74100	-10 23260	98 5	119 5
FRAM 1	7	1	2	APR	79	1807	1	92 7549	3 1	700 4	84 72350	-10 15390	1 0	2 0
FRAM 1	8	1	3	APR	79	1707	1	93 7132	3 1	701 6	84 67460	-9 68330	35 5	62 7
FRAM 1	9	1	3	APR	79	1835	1	93 7743	3 1	704 4	84 67160	-9 65810	0 0	0 0
FRAM 1	10	1	4	APR	79	700	1	94 2917	3 0	700 1	84 66010	-9 55170	14 8	26 9
FRAM 1	11	1	4	APR	79	1837	1	94 7757	3 1	701 3	84 64720	-9 42350	0 3	0 4
FRAM 1	12	1	5	APR	79	700	1	95 2917	3 0	702 0	84 63870	-9 28230	9 5	13 6
FRAM 1	13	1	5	APR	79	1839	1	95 7743	3 1	702 4	84 63640	-9 25050	105 6	123 6
FRAM 1	14	1	6	APR	79	707	1	96 2965	3 0	702 4	84 63750	-9 18400	0 0	0 0
FRAM 1	15	1	6	APR	79	1833	1	96 7729	3 0	836 4	84 63830	-9 14560	1 1	2 2
FRAM 1	16	1	7	APR	79	654	1	97 2875	3 1	700 1	84 63660	-9 14750	1 1	2 1
FRAM 1	17	1	7	APR	79	1903	1	97 7937	3 0	698 3	84 63240	-9 13860	0 1	0 1
FRAM 1	18	1	8	APR	79	707	1	98 2965	3 0	699 9	84 62210	-9 13200	0 7	1 2
FRAM 1	19	1	8	APR	79	1933	1	98 8146	3 1	700 6	84 60230	-9 17850	0 0	0 0
FRAM 1	20	1	9	APR	79	725	1	99 3090	3 0	702 3	84 60060	-9 18140	0 7	1 3
FRAM 1	21	1	9	APR	79	1923	1	99 8076	3 0	699 8	84 59770	-9 16760	0 0	0 0
FRAM 1	22	1	10	APR	79	700	1	100 2917	3 1	699 0	84 59650	-9 12510	0 8	1 5
FRAM 1	23	1	10	APR	79	1821	1	100 7646	3 0	700 0	84 58560	-8 94720	39 8	81 8
FRAM 1	24	1	11	APR	79	707	1	101 2965	3 0	699 4	84 56900	-8 83930	11 8	17 9
FRAM 1	25	1	11	APR	79	1837	1	101 7757	3 0	700 9	84 54990	-8 68970	1 1	2 2
FRAM 1	26	1	12	APR	79	702	1	102 2931	3 0	699 9	84 51190	-8 86660	1 2	2 8
FRAM 1	27	1	12	APR	79	1848	1	102 7833	3 1	698 3	84 49720	-8 96970	0 4	0 6
FRAM 1	28	1	13	APR	79	704	1	103 2944	3 0	698 5	84 51610	-9 12200	0 0	0 0
FRAM 1	29	1	13	APR	79	1834	1	103 7736	3 0	702 0	84 52840	-9 26130	2 2	5 3
FRAM 1	30	1	14	APR	79	724	1	104 3083	3 1	698 5	84 52360	-9 25870	12 4	30 1
FRAM 1	31	1	14	APR	79	1828	1	104 7694	3 0	698 9	84 52130	-9 25090	0 1	0 1
FRAM 1	32	1	15	APR	79	928	1	105 3944	3 1	699 5	84 51870	-9 24200	0 5	0 8
FRAM 1	33	1	15	APR	79	1830	1	105 7709	3 1	699 3	84 51860	-9 24590	0 2	0 3
FRAM 1	34	1	16	APR	79	706	1	106 2958	3 0	701 7	84 51780	-9 24860	1 1	2 2
FRAM 1	35	1	16	APR	79	1817	1	106 7618	3 0	699 6	84 52010	-9 33470	0 0	0 0
FRAM 1	36	1	17	APR	79	709	1	107 2979	3 1	706 8	84 52540	-9 53580	1 0	2 3
FRAM 1	37	1	17	APR	79	1837	1	107 7757	3 1	699 5	84 51830	-9 63510	1 9	4 7
FRAM 1	38	1	18	APR	79	716	1	108 3028	3 0	699 8	84 50660	-9 60180	0 9	1 7
FRAM 1	39	1	18	APR	79	1837	1	108 7757	3 1	699 5	84 49410	-9 61110	0 3	0 5
FRAM 1	40	1	19	APR	79	708	1	109 2972	3 1	698 0	84 47720	-9 54600	0 6	1 0
FRAM 1	41	1	19	APR	79	1901	1	109 7924	3 0	337 9	84 44500	-9 31250	0 0	0 0
FRAM 1	42	1	19	APR	79	2214	1	109 9264	3 0	700 1	84 43800	-9 25140	24 9	47 6
FRAM 1	43	1	20	APR	79	647	1	110 2826	3 1	700 3	84 42330	-9 12070	12 2	37 1
FRAM 1	44	1	20	APR	79	1901	1	110 7924	3 1	699 7	84 39360	-8 86880	22 7	40 3
FRAM 1	45	1	21	APR	79	705	1	111 2951	3 1	699 3	84 36600	-8 65880	0 4	0 5
FRAM 1	46	1	21	APR	79	1831	1	111 7715	3 0	700 4	84 33790	-8 43450	0 3	0 5
FRAM 1	47	1	22	APR	79	710	1	112 2986	3 1	699 1	84 32670	-8 33740	0 2	0 3
FRAM 1	48	1	22	APR	79	1842	1	112 7792	3 0	701 0	84 31660	-8 25220	32 2	58 6
FRAM 1	49	1	23	APR	79	705	1	113 2951	3 0	699 8	84 31670	-8 23070	4 0	12 9
FRAM 1	50	1	23	APR	79	1906	1	113 7958	3 0	699 0	84 31310	-8 17760	3 6	10 7
FRAM 1	51	1	24	APR	79	714	1	114 3014	3 0	699 3	84 30760	-8 13800	0 0	0 0
FRAM 1	52	1	24	APR	79	1724	1	114 7250	3 1	693 2	84 30240	-8 08770	1 0	1 9
FRAM 1	53	1	25	APR	79	1140	1	115 4861	3 1	699 5	84 29220	-8 01620	1 1	2 1
FRAM 1	54	1	25	APR	79	1316	1	115 5528	3 0	325 9	84 29150	-8 00860	1 1	2 0
FRAM 1	55	1	25	APR	79	1430	1	115 6042	3 1	224 1	84 29260	-8 01180	0 0	0 0
FRAM 1	56	1	25	APR	79	1605	1	115 6701	3 0	282 1	84 29460	-8 01320	12 5	37 4
FRAM 1	57	1	25	APR	79	1648	1	115 7000	3 0	254 7	84 29430	-8 01070	5 7	15 5
FRAM 1	58	1	25	APR	79	1734	1	115 7319	3 1	245 0	84 29180	-8 00750	0 3	0 4
FRAM 1	59	1	25	APR	79	1858	1	115 7903	3 0	703 2	84 28500	-8 00400	0 7	1 0
FRAM 1	60	1	26	APR	79	705	1	116 2951	3 2	699 2	84 28940	-7 97560	0 8	1 4
FRAM 1	61	1	26	APR	79	1337	1	116 5674	3 1	260 7	84 28790	-7 95070	0 7	1 3
FRAM 1	62	1	26	APR	79	1850	1	116 7847	3 1	705 5	84 28800	-7 98300	0 9	1 8
FRAM 1	63	1	27	APR	79	759	1	117 3325	3 0	700 2	84 29090	-8 05220	1 1	2 1
FRAM 1	64	1	27	APR	79	1925	1	117 8090	3 0	698 6	84 28890	-8 08900	1 1	2 1
FRAM 1	65	1	28	APR	79	719	1	118 3045	3 1	699 2	84 27800	-8 07500	0 0	0 0
FRAM 1	66	1	28	APR	79	1300	1	118 5417	3 0	696 9	84 26490	-8 02790	0 2	0 3
FRAM 1	67	1	28	APR	79	1836	1	118 7750	3 0	702 3	84 25480	-8 00890	0 9	1 6
FRAM 1	68	1	29	APR	79	1300	1	119 5417	3 0	698 0	84 22280	-7 93890	0 0	0 0
FRAM 1	69	1	29	APR	79	1857	1	119 7896	3 1	699 4	84 21440	-7 94660	0 9	1 6
FRAM 1	70	1	30	APR	79	715	1	120 3021	3 3	696 7	84 20290	-7 95590	0 2	0 2

TABLE 1 (cont'd)

CAMP	STAT	MODE	DY	MON	YR	TIME	CODE	AJXDAY	D MIN	D MAX	LATITUDE	LONGITUDE	LAT ERR	LNG ERR
FRAM 1	71	1	30	APR	79	1301	1	120 5424	3 0	697 5	84 18840	-7 91530	3 7	11 3
FRAM 1	72	1	30	APR	79	1912	1	120 8000	3 0	696 9	84 17390	-7 78710	0 7	1 2
FRAM 1	73	1	1	MAY	79	707	1	121 2765	3 1	697 4	84 14240	-7 53610	0 4	0 7
FRAM 1	74	1	1	MAY	79	1254	1	121 5375	3 1	698 8	84 12040	-7 39980	0 0	0 0
FRAM 1	75	1	1	MAY	79	1900	1	121 7917	3 1	704 1	84 09910	-7 30650	0 8	1 5
FRAM 1	76	1	2	MAY	79	726	1	122 3097	3 0	699 2	84 06440	-7 24610	0 8	1 4
FRAM 1	77	1	2	MAY	79	1338	1	122 5681	3 1	697 8	84 03700	-7 27010	0 2	0 3
FRAM 1	78	1	2	MAY	79	1906	1	122 7958	3 0	699 1	84 01570	-7 29970	0 4	0 7
FRAM 1	79	1	3	MAY	79	705	1	123 2951	3 1	698 1	84 00120	-7 24980	1 1	2 2
FRAM 1	80	1	3	MAY	79	1008	1	123 4222	3 1	315 7	83 99740	-7 22190	1 1	2 1
FRAM 1	81	1	3	MAY	79	1911	1	123 7993	3 0	698 5	83 98120	-7 07200	0 9	1 8
FRAM 1	82	1	4	MAY	79	712	1	124 3000	3 0	697 4	83 94550	-6 99270	1 0	2 0
FRAM 1	83	1	4	MAY	79	1930	1	124 8125	3 0	698 2	83 89530	-6 97640	0 0	0 0
FRAM 1	84	1	5	MAY	79	756	1	125 3306	3 1	700 4	83 83060	-6 91740	0 0	0 0
FRAM 1	85	1	5	MAY	79	1241	1	125 5285	3 1	700 1	83 80080	-6 87830	1 1	2 1
FRAM 1	86	1	5	MAY	79	1828	1	125 7694	3 1	704 0	83 77000	-6 83570	0 4	0 6
FRAM 1	87	1	6	MAY	79	703	1	126 2938	3 0	698 6	83 69410	-6 76730	0 0	0 0
FRAM 1	88	1	6	MAY	79	925	1	126 3924	3 1	250 3	83 68280	-6 78740	1 1	2 2

OUTPUT FORMAT OF FINAL DATA

This report contains salinity and temperature profile data from surface to 700 m taken at drifting ice station Fram I with a Plessy 9040 CTD.

Station information is provided in three different formats consisting of 1) monthly times series of nested temperature or salinity profiles, 2) numerical listings and 3) profiles of temperature, salinity and sigma-t (T-S-σ_t) versus depth.

Time series of temperature or salinity profiles to a maximum of 700 m nested into one month blocks are presented in "Results - Section 1". Station numbers are indicated at the end of each trace; all other labelling is self explanatory.

In general, two profiles of T-S-σ_t are graphically shown on one page of the data report. On the facing page, the corresponding numerical listings of the station are shown. The numerical data consist of the parameters relating to the station and in some cases are abbreviated to save space. A listing of these abbreviated terms and their meanings can be found in Table 2. 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 are omitted from the data set (the sensor being in the hydrohole), surface readings of temperature and salinity are duplicated from the first data seen in the cast. The first and last data of the station are shown as one of the first values below the depth of 0.0 meters and the last values of the listing respectively.

Some station listings will show nothing for dynamic height. This implies that either the segment of missing data in the profile was too large to interpolate over, or only temperature or salinity data were available.

Average values of the bottle data at a particular depth level are also listed at the bottom of the data listing.

Corresponding profiles of temperature, salinity and sigma-t for the station listing are shown on the facing page.

The label at the end of each trace (T-S-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 and data are in the lower left hand corner in the following format:

M1 STN-MOD

MONTH - DAY - YEAR

where

M1 is the camp identifier for Fram I

STN is the station number

MOD is the mode

1 = downtrace

2 = uptrace

Salinity values obtained from the bottle data are plotted on the traces as an "X" and temperature values obtained from reversing thermometers are indicated on the traces as a "+".

TABLE 2

Definition and Meanings of Abbreviated Terms in the Station Listing

Station xxx (y) — Station number (xxx) and mode of trace (y) where:

CTD — Station taken with CTD y = 1 indicates downtrace
y = 2 indicates uptrace

GMT — Times shown are Greenwich Mean Time

Code = I — Processing Code where 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) subsequent filtering below 250 m in salinity only
4) subsequent filtering below 250 m in temperature only
5) subsequent filtering below 250 m 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 below 250 meters

C) 21 → 23 profile in temperature only

21) data from magnetic tape
22) data from manual digitization of analog charts
23) filtered below 250 meters

LAT — Latitude in decimal degrees N (North)

LONG — Longitude in decimal degrees W (West)

LTER — Estimate of positional error for latitude in meters

LGER — Estimate of positional error for longitude in meters

AIR TEMP — Air temperature in degrees C at 7.8 meters above surface of ice

BAROM — Barometric pressure in millibars, taken at surface

WIND — Wind direction in degrees true north, taken at 9.2 meters above surface of ice

SPEED — Wind speed in meters/sec., taken at 9.2 meters above surface of ice.

TABLE 2 (cont'd)

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 (ρ) = 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

BOTTLE DATA LISTING

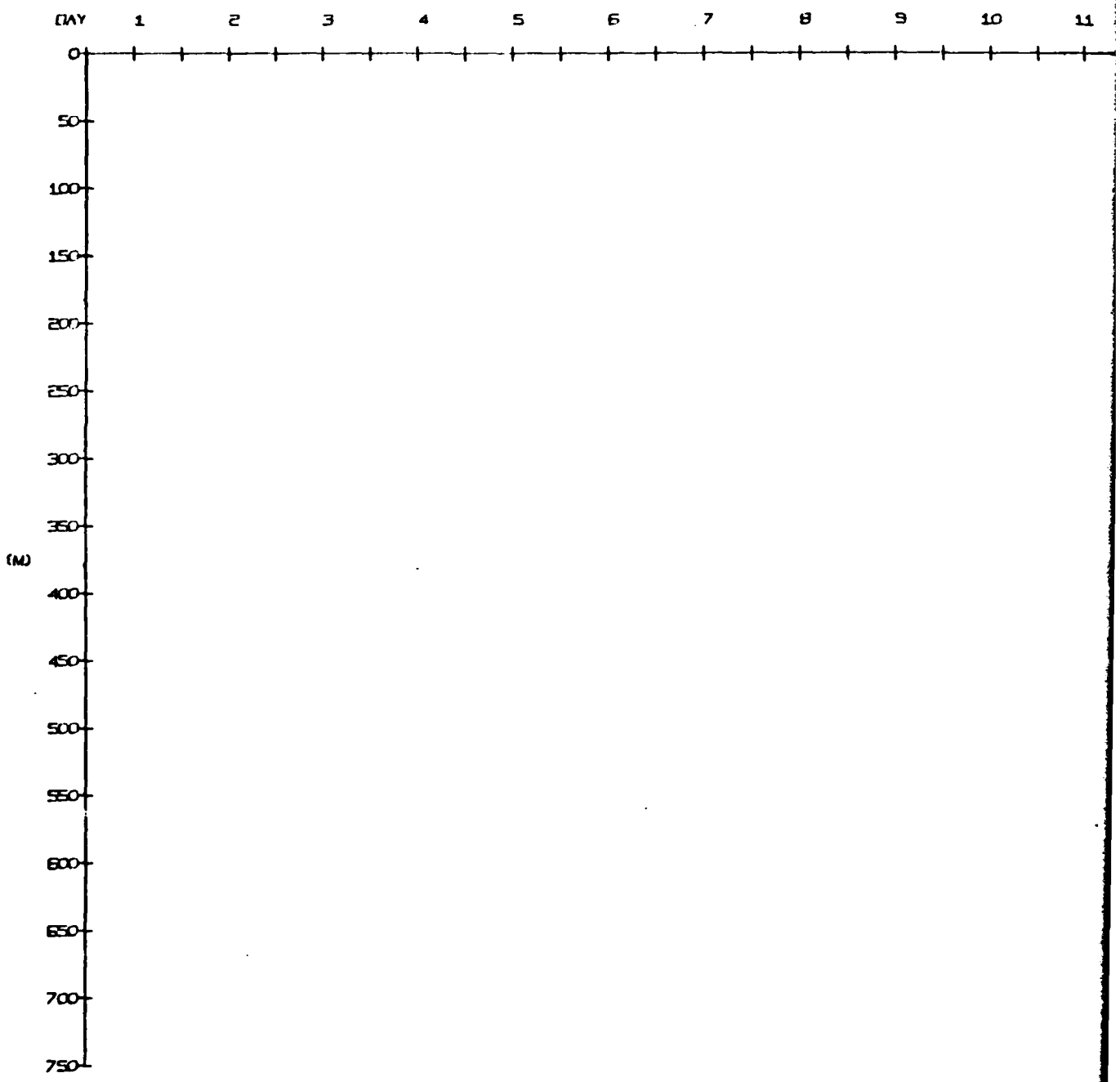
DEPTH	Depth in meters at which bottle was tripped
TEMP	Average temperature of reversing thermometer in degrees C
SAL	Determined salinity of water sample taken at depth indicated; in ppt

RESULTS

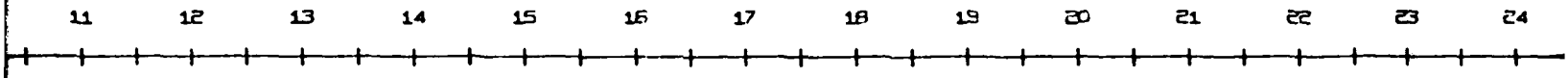
Section 1 (Nested Vertical Profiles)

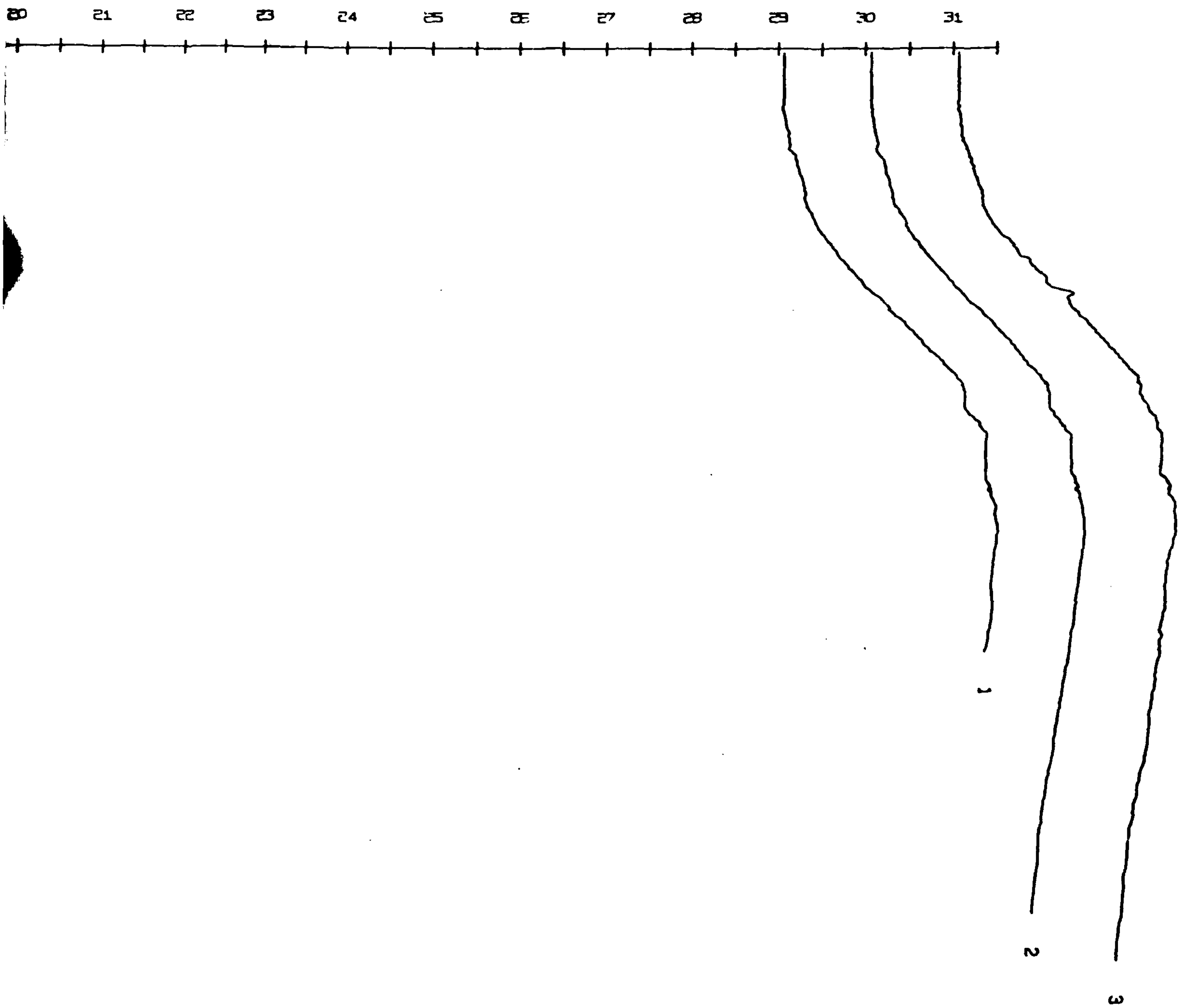
This section contains the plots of temperature and salinity to a depth of 700 m nested into a monthly time series.

- NO MORE THAN ONE PROFILE PER HALF DAY (AM/PM GMT) IS PLOTTED
- EACH PROFILE PLOTTED WITH RESPECT TO LEFT DIVISION MARK (-1.8 DEG.C.)
- TEMPERATURE SCALE SHIFTS RIGHT 1 DIVISION (0.5 DEG. C.) PER HALF DAY



TEMPERATURE PROFILES AT CAMP FRAM 1
MAR 1, 1979 TO MAR 31, 1979





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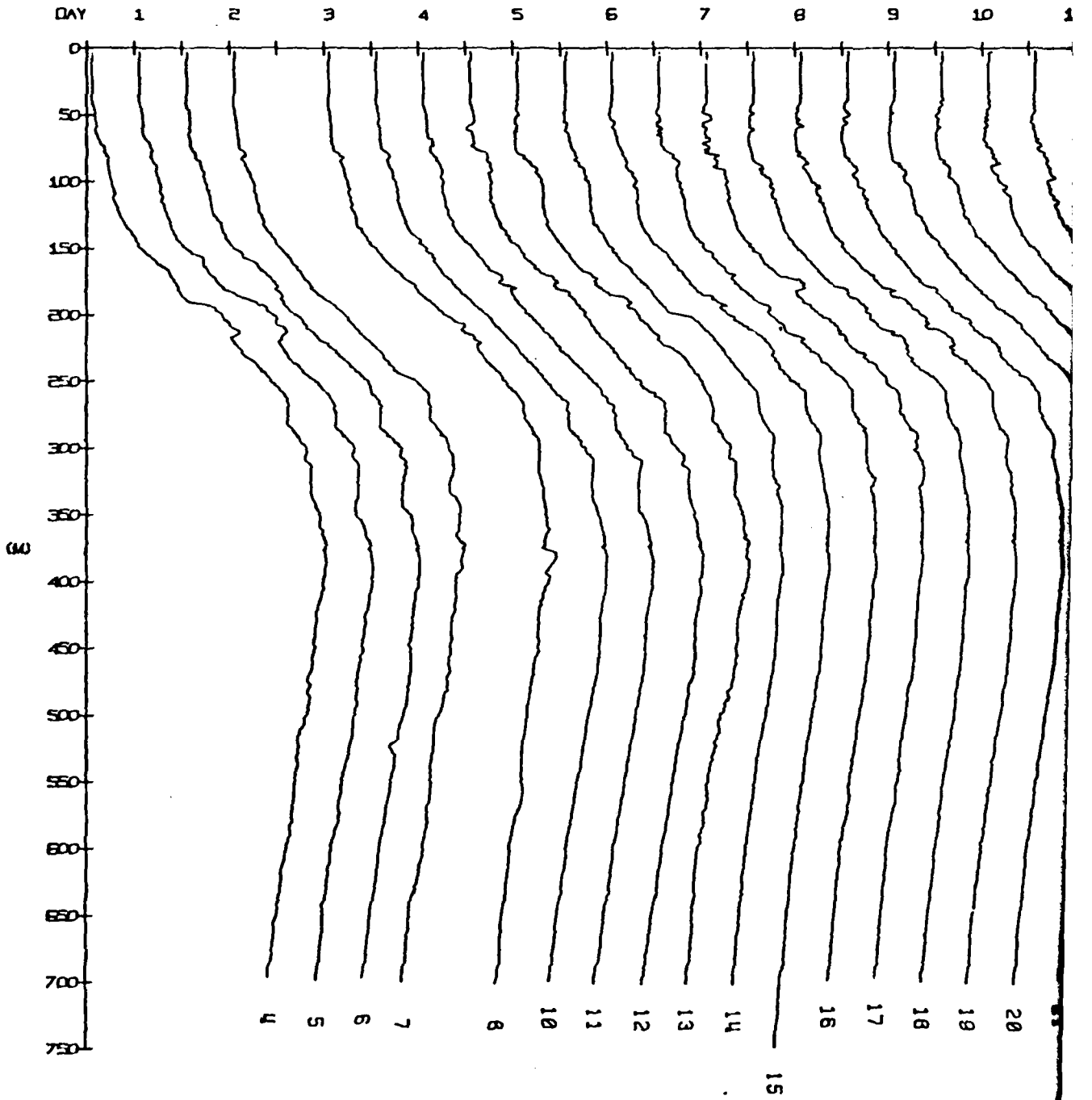
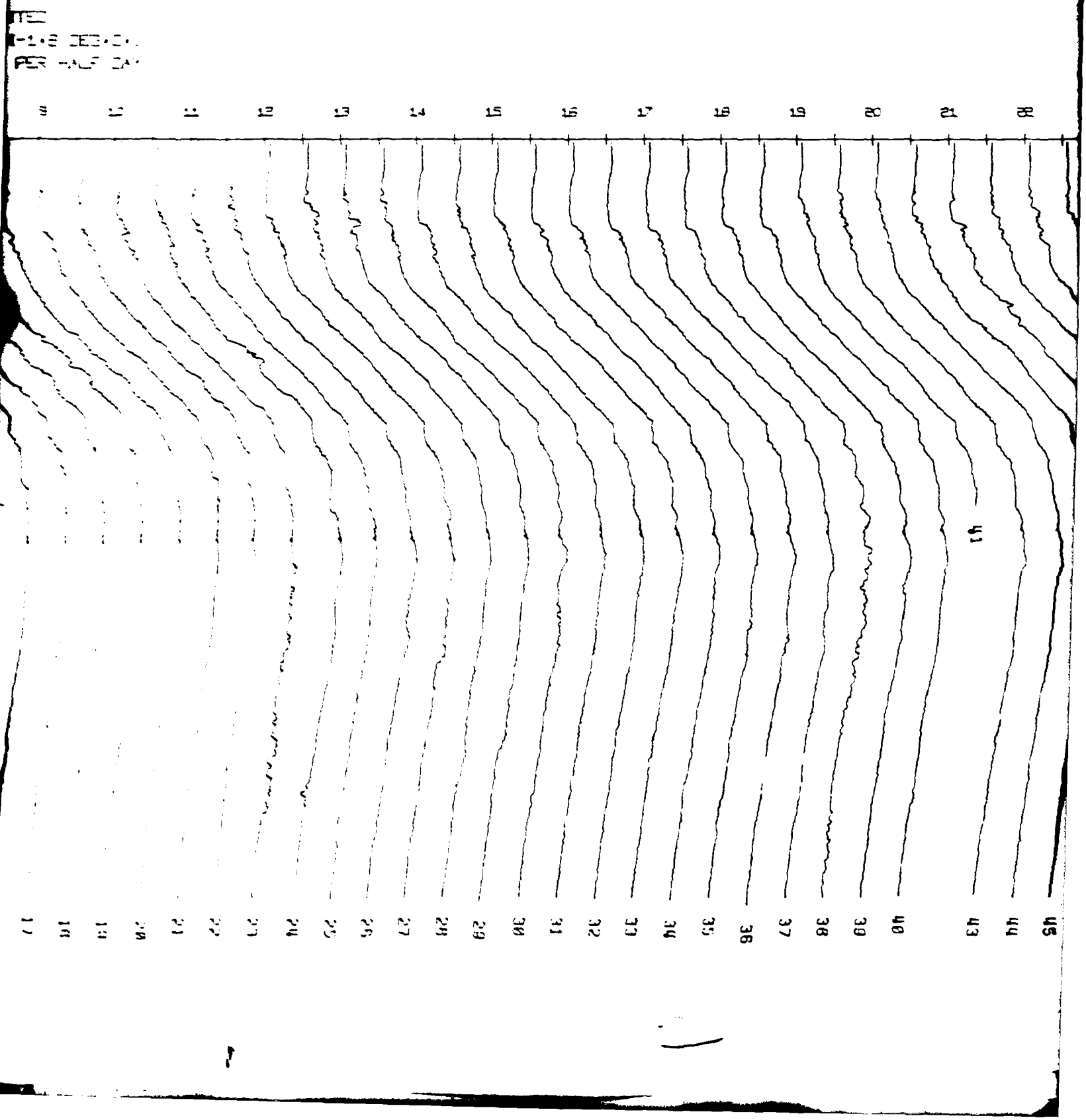
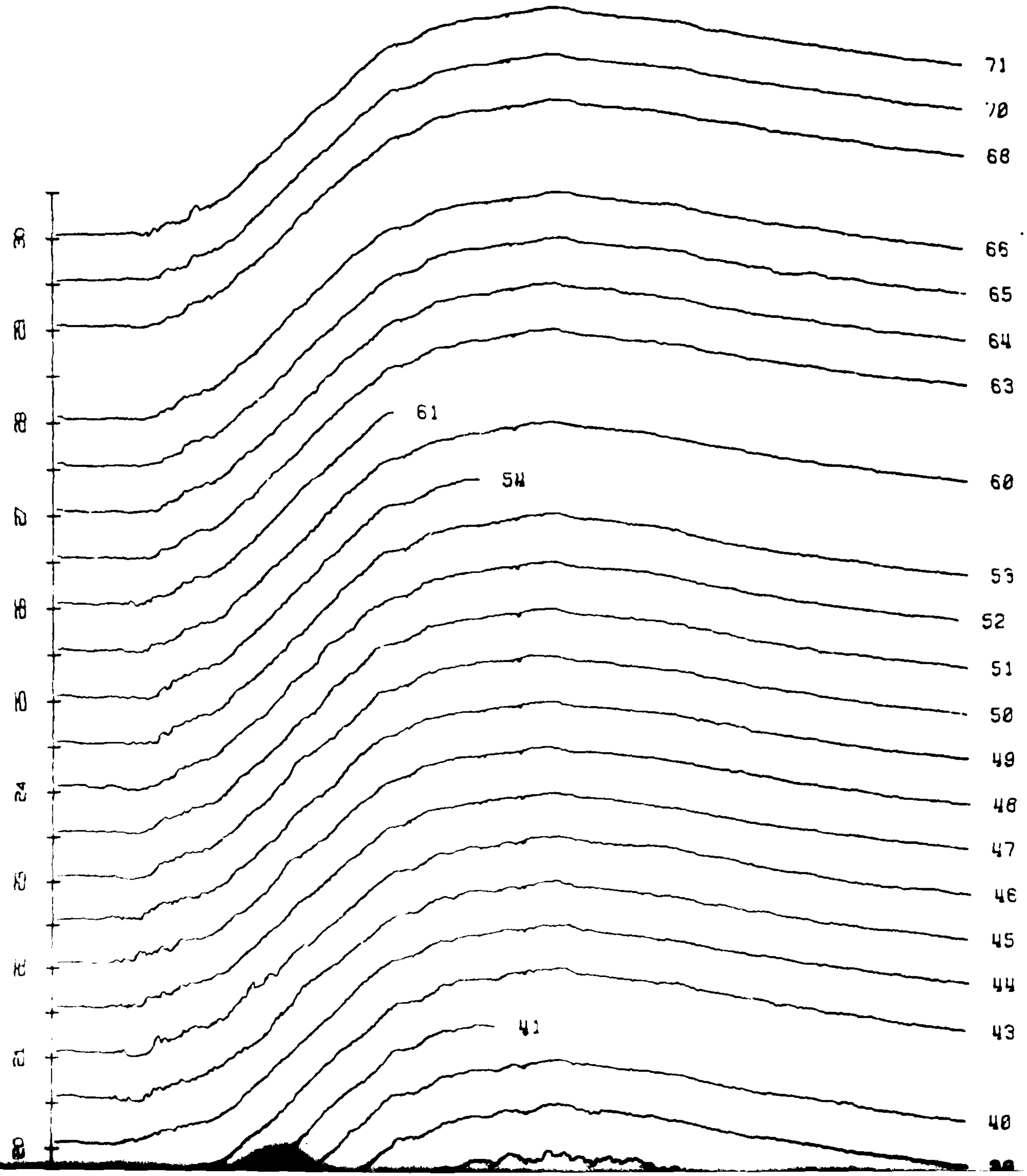
- NO MORE THAN ONE PROFILE PER HALF DAY (AM/PM GMT) IS PLOTTED
- EACH PROFILE PLOTTED WITH RESPECT TO LEFT DIVISION MARK (-1.8 DEG.C.)
- TEMPERATURE SCALE SHIFTS RIGHT 1 DIVISION (0.5 DEG. C.) PER HALF DAY



TEMPERATURE PROFILES AT CAMP FRAM 1
APR 1, 1979 TO APR 30, 1979

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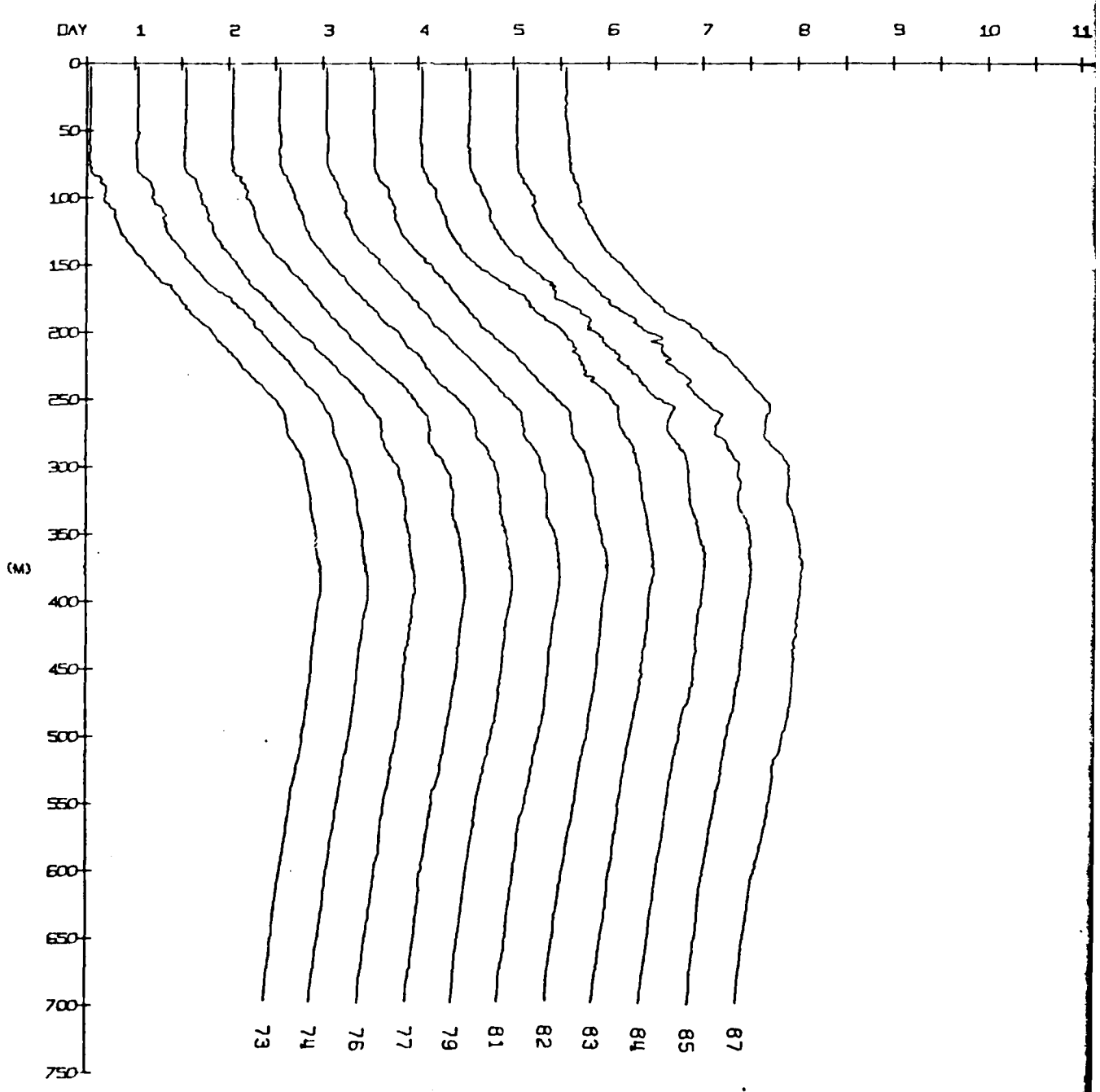
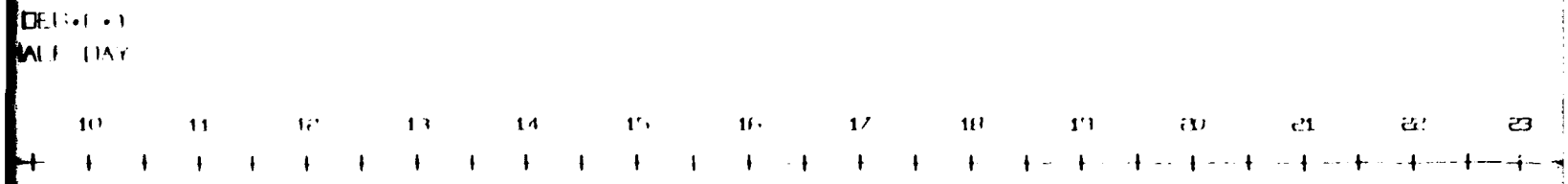
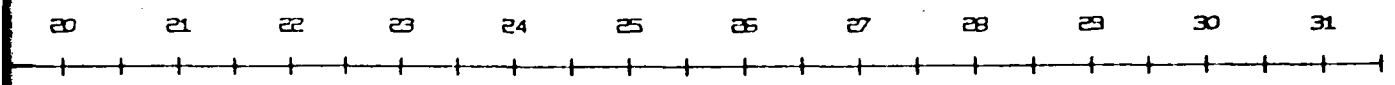
* NO MORE THAN ONE PROFILE PER HALF DAY (AM/PM GMT) IS PLOTTED
* EACH PROFILE PLOTTED WITH RESPECT TO LEFT DIVISION MARK (-1.8 DEG.C.)
* TEMPERATURE SCALE SHIFTS RIGHT 1 DIVISION (0.5 DEG. C.) PER HALF DAY



TEMPERATURE PROFILES AT CAMP FRAM 1
MAY 1, 1973 TO MAY 31, 1973

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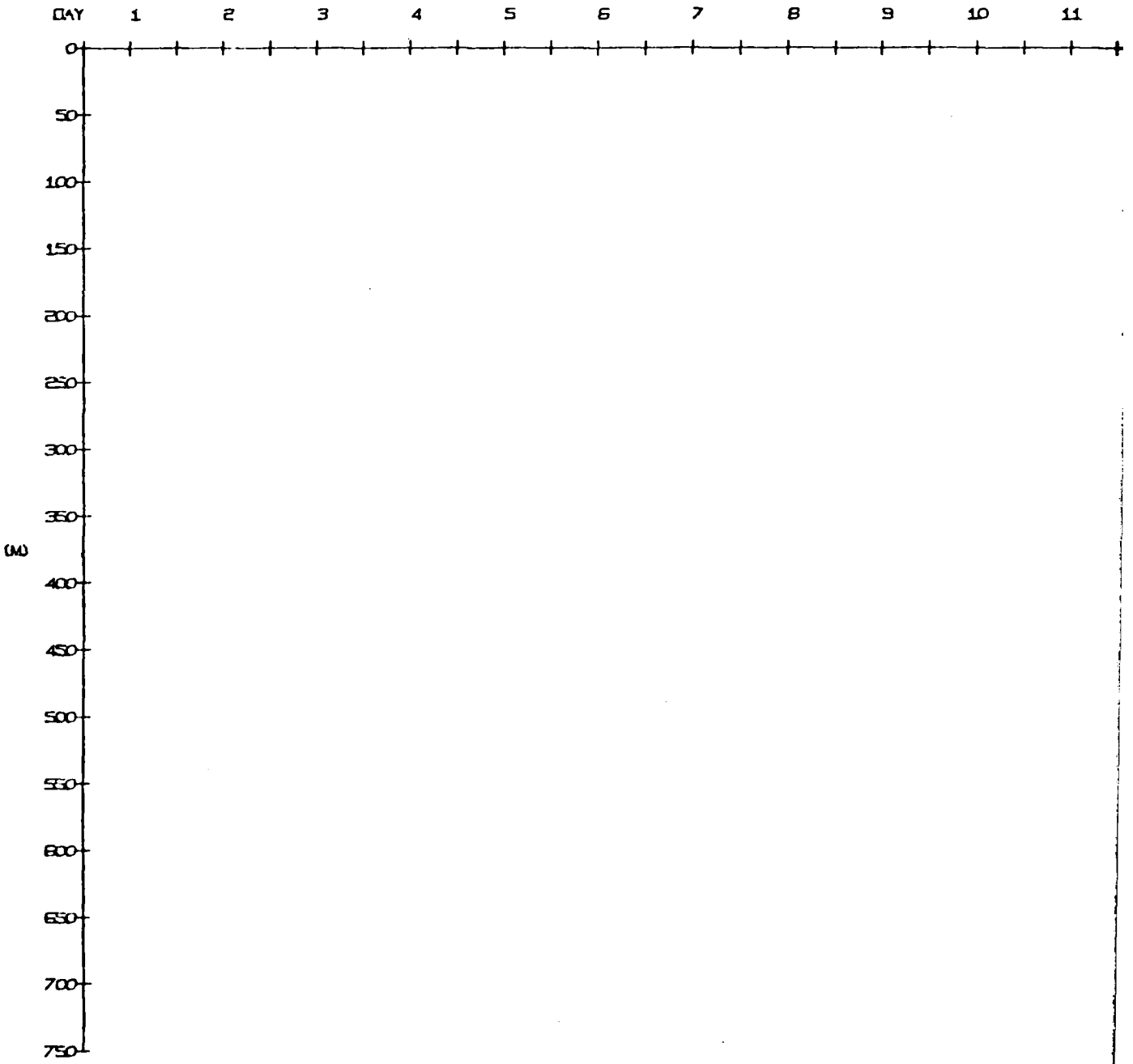
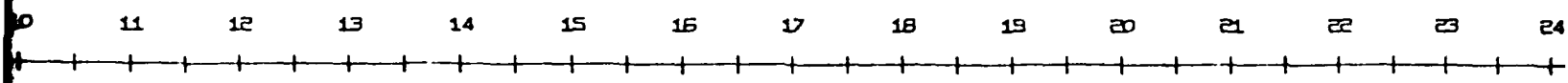
- NO MORE THAN ONE PROFILE PER HALF DAY (AM/PM GMT) IS PLOTTED
- EACH PROFILE PLOTTED WITH RESPECT TO LEFT DIVISION MARK (30.0 PPT)
- SALINITY SCALE SHIFTS RIGHT 1 DIVISION (1.0 PPT) PER HALF DAY



SALINITY PROFILES AT CAMP FRAM 1
MAR 1, 1979 TO MAR 31, 1979



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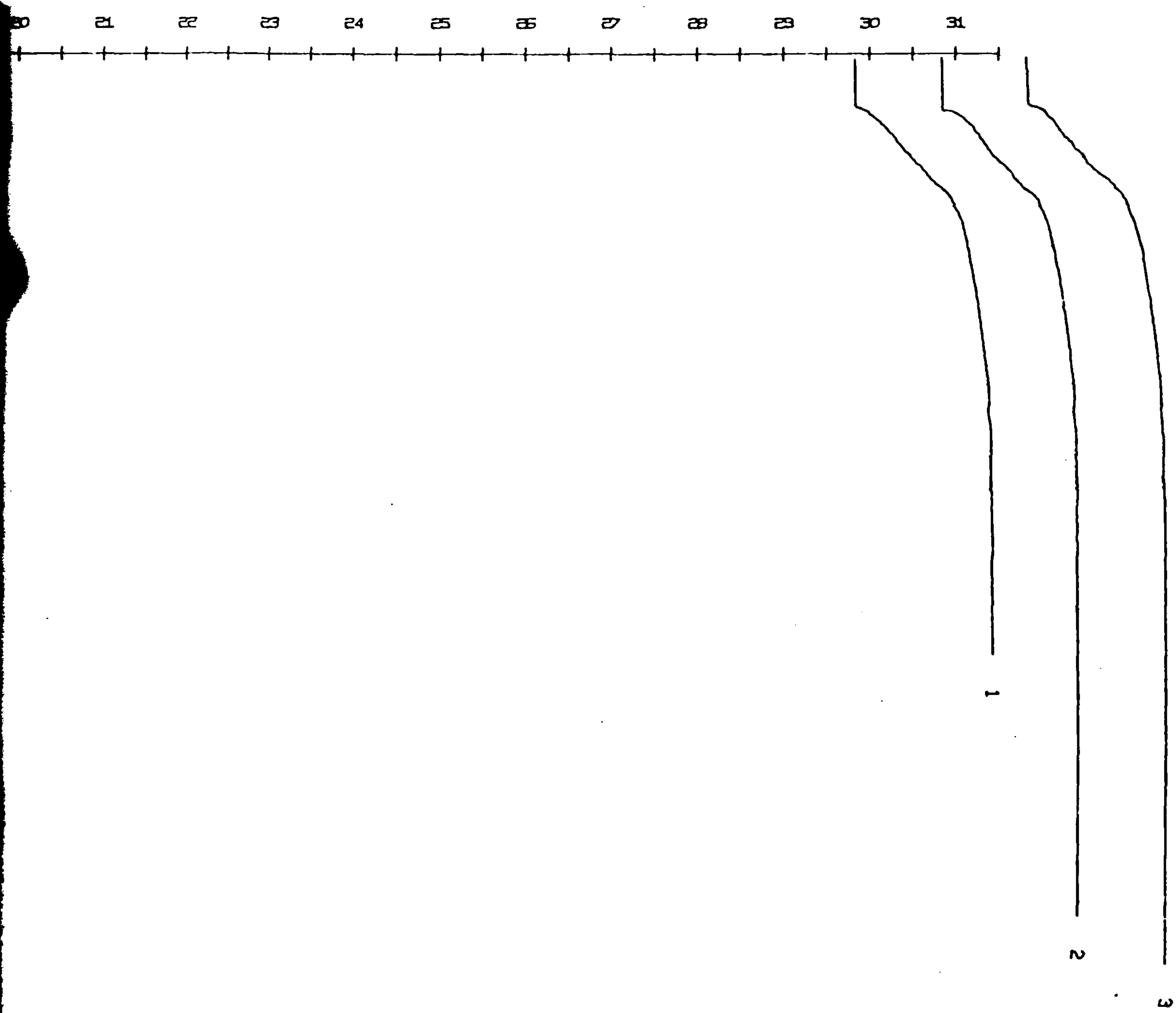

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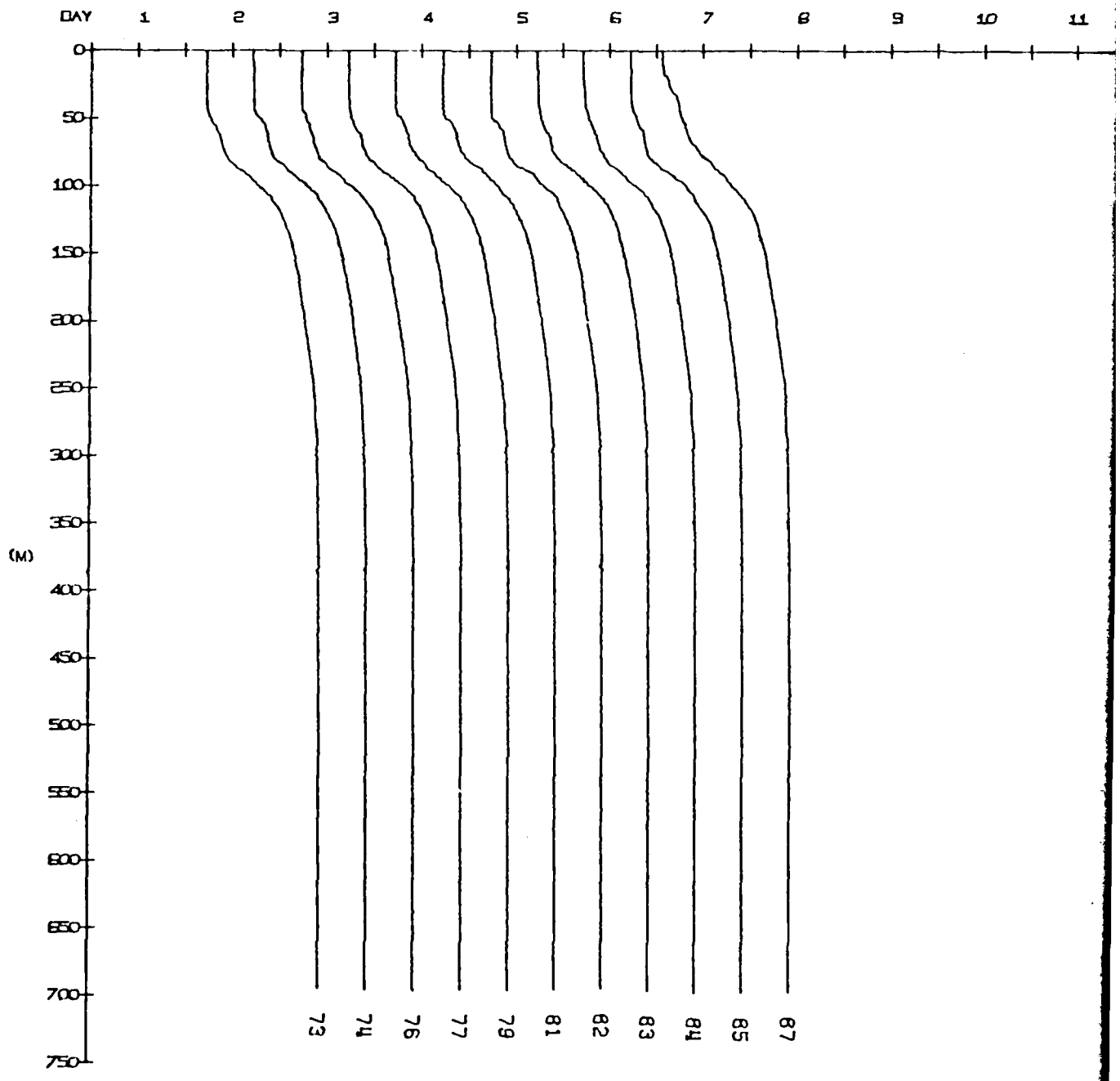
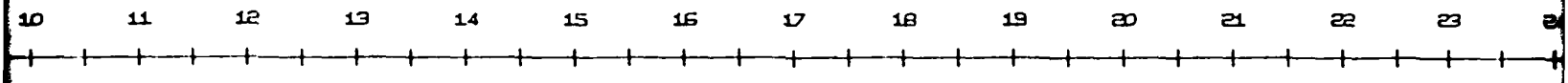
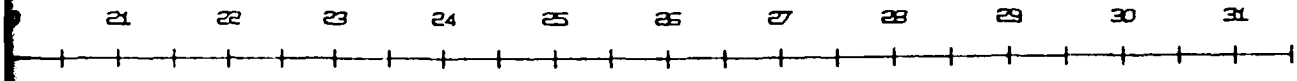
- NO MORE THAN ONE PROFILE PER HALF DAY (AM/PM GMT) IS PLOTTED
- EACH PROFILE PLOTTED WITH RESPECT TO LEFT DIVISION MARK (30.0 PPT)
- SALINITY SCALE SHIFTS RIGHT 1 DIVISION (1.0 PPT) PER HALF DAY



SALINITY PROFILES AT CAMP FRAM 1
MAY 1, 1979 TO MAY 31, 1979

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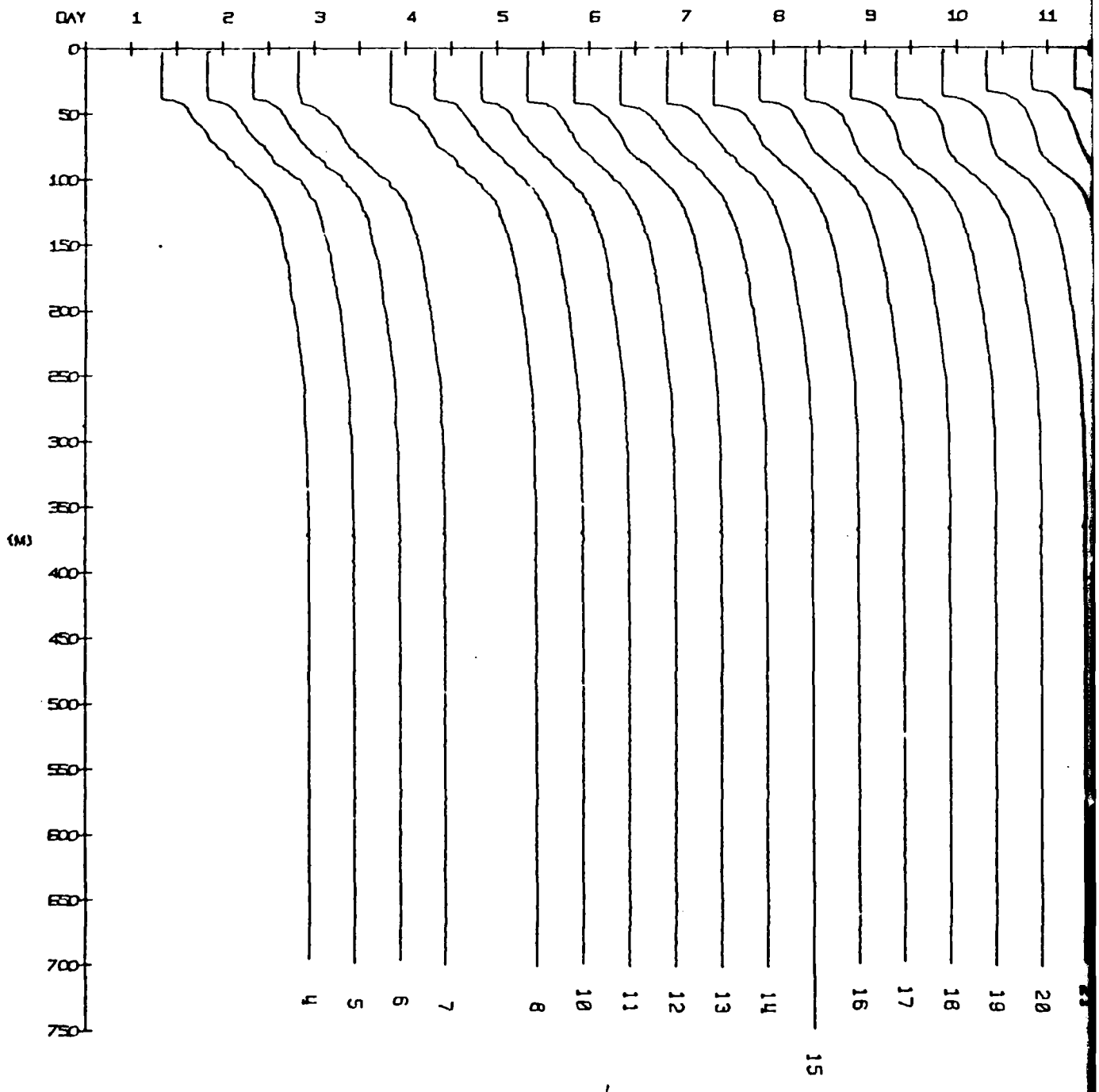
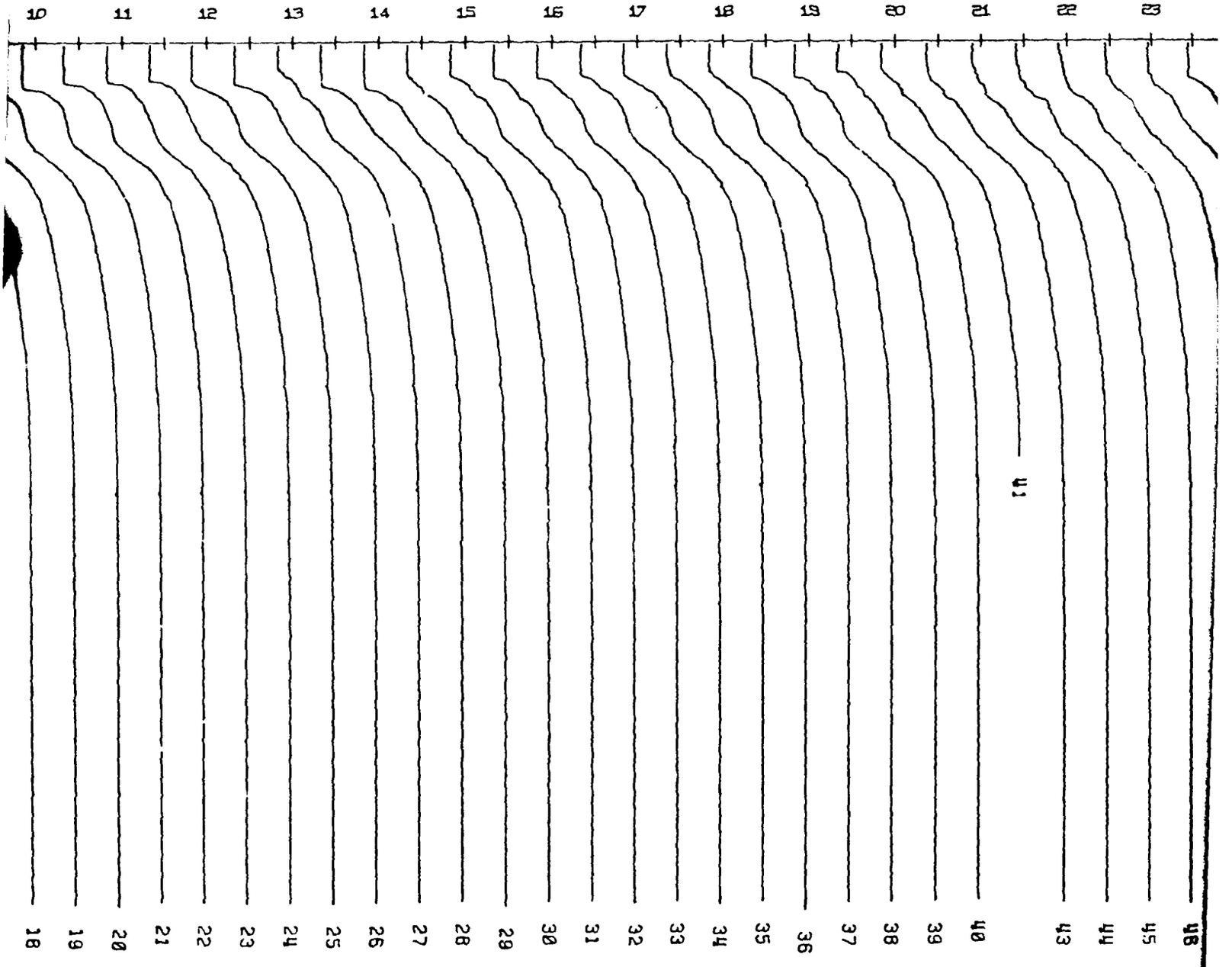
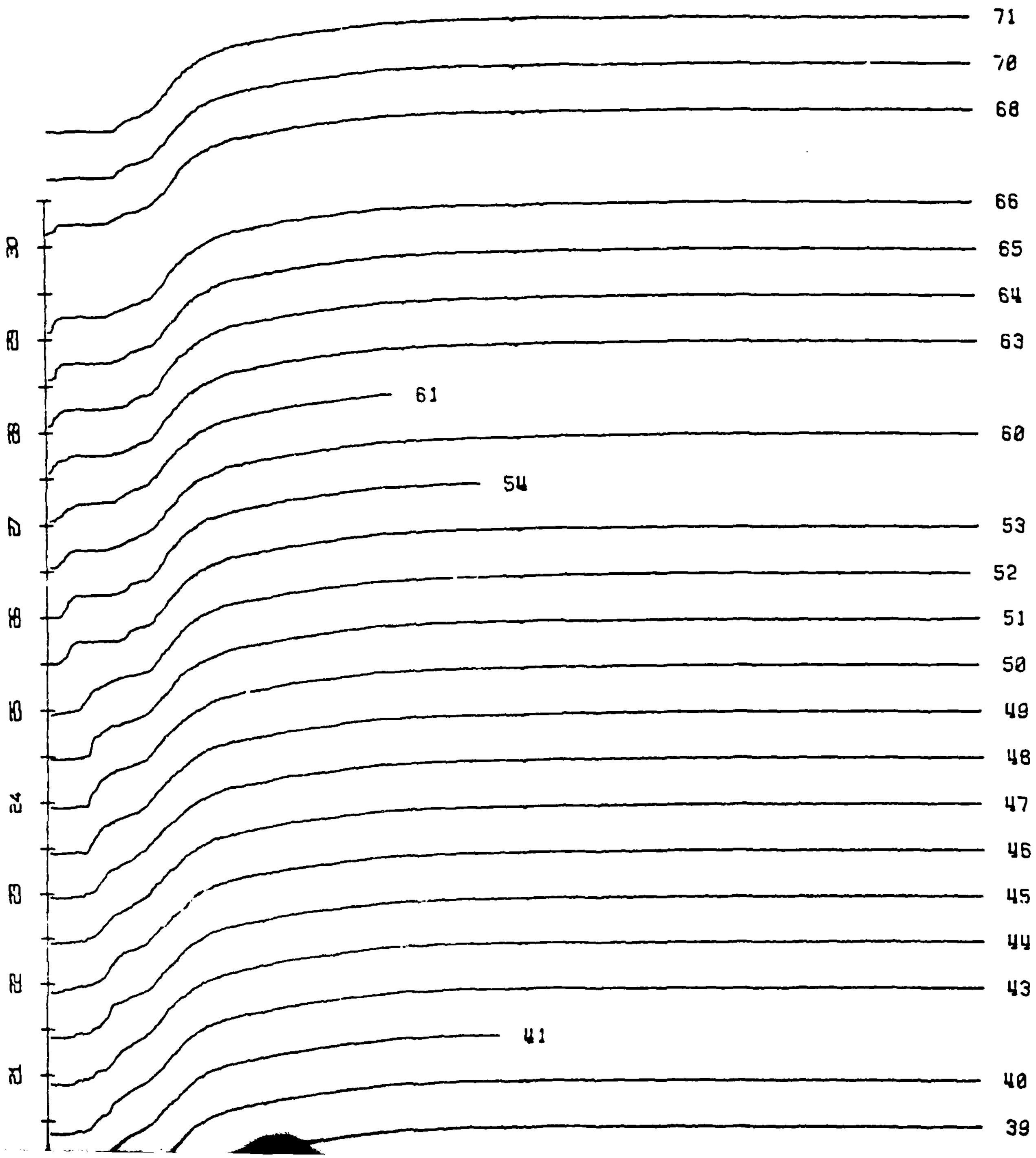
- NO MORE THAN ONE PROFILE PER HALF DAY (AM/PM GMT) IS PLOTTED
- EACH PROFILE PLOTTED WITH RESPECT TO LEFT DIVISION MARK (30.0 PPT)
- SALINITY SCALE SHIFTS RIGHT 1 DIVISION (1.0 PPT) PER HALF DAY



SALINITY PROFILES AT CAMP FRAM 1
APR 1, 1979 TO APR 30, 1979





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RESULTS

Section 2 (STD Data)

This section provides all of the STD Data taken at Fram I.

The numerical lisings an corresponding plots are given.

FRAM 1 STATION 1(1) CTD 29/MAR/1979 2200 GMT CODE = 1
LAT = 84.8178N LNG = 10.4996W LTER = 1. LGER = 2.
AIR TEMP = 0.0 BAROM = WIND = 0.0 SPEED = 0.0

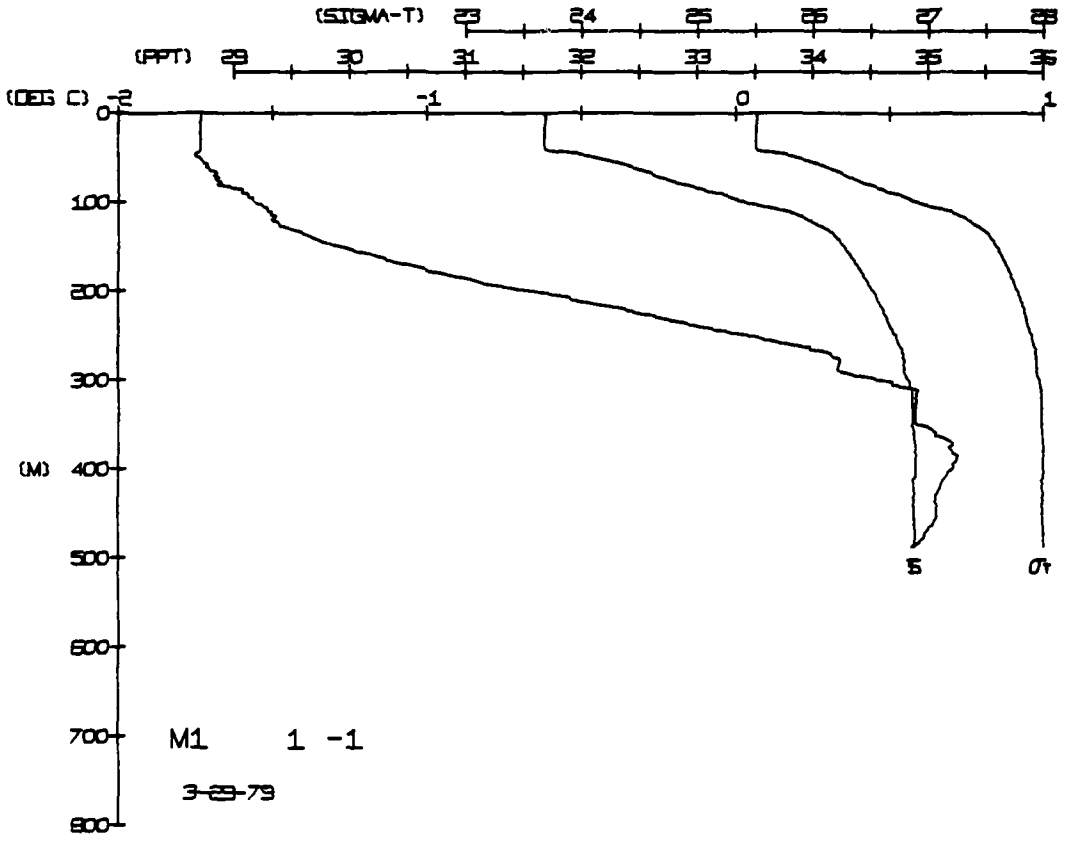
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.69	25.52	247.7	0.000	1436.5
3.4	-1.73	-1.73	31.69	25.52	247.6	0.008	1436.5
5.0	-1.73	-1.73	31.69	25.51	247.8	0.012	1436.6
10.0	-1.73	-1.73	31.69	25.51	247.8	0.025	1436.6
15.0	-1.73	-1.73	31.68	25.51	247.9	0.037	1436.7
20.0	-1.73	-1.73	31.68	25.51	248.1	0.050	1436.8
25.0	-1.73	-1.73	31.68	25.51	248.1	0.062	1436.9
30.0	-1.73	-1.73	31.68	25.51	248.3	0.075	1437.0
35.0	-1.73	-1.73	31.68	25.51	248.1	0.087	1437.0
40.0	-1.73	-1.73	31.68	25.51	247.6	0.100	1437.1
45.0	-1.74	-1.74	31.83	25.63	236.2	0.112	1437.4
50.0	-1.75	-1.75	32.07	25.82	217.9	0.124	1437.8
55.0	-1.73	-1.73	32.25	25.97	203.9	0.134	1438.2
60.0	-1.72	-1.72	32.39	26.08	193.3	0.144	1438.5
65.0	-1.71	-1.71	32.51	26.18	184.0	0.154	1438.8
70.0	-1.69	-1.69	32.62	26.27	175.5	0.163	1439.2
80.0	-1.67	-1.68	32.84	26.45	158.5	0.180	1439.7
90.0	-1.60	-1.60	33.14	26.69	135.6	0.194	1440.6
100.0	-1.56	-1.56	33.40	26.89	116.1	0.207	1441.4
110.0	-1.52	-1.52	33.72	27.15	91.7	0.218	1442.2
120.0	-1.50	-1.50	33.93	27.33	74.9	0.226	1442.7
130.0	-1.46	-1.46	34.09	27.45	63.4	0.233	1443.3
140.0	-1.38	-1.38	34.19	27.53	55.3	0.239	1444.0
150.0	-1.30	-1.30	34.26	27.58	50.8	0.244	1444.6
160.0	-1.18	-1.19	34.32	27.63	46.2	0.249	1445.4
170.0	-1.10	-1.11	34.37	27.67	42.5	0.254	1446.0
180.0	-0.97	-0.97	34.43	27.71	39.0	0.258	1446.9
190.0	-0.84	-0.85	34.48	27.74	35.7	0.261	1447.7
200.0	-0.68	-0.69	34.52	27.77	32.8	0.265	1448.7
210.0	-0.54	-0.54	34.56	27.80	30.6	0.268	1449.6
220.0	-0.39	-0.40	34.60	27.82	28.2	0.271	1450.5
230.0	-0.26	-0.27	34.64	27.85	26.2	0.274	1451.3
240.0	-0.13	-0.14	34.67	27.87	24.4	0.276	1452.1
250.0	0.03	0.02	34.72	27.90	21.7	0.279	1453.1
260.0	0.15	0.14	34.75	27.91	20.2	0.281	1453.8
270.0	0.29	0.28	34.78	27.93	18.3	0.283	1454.7
280.0	0.34	0.33	34.79	27.94	17.6	0.285	1455.1
290.0	0.33	0.32	34.79	27.94	17.9	0.286	1455.2
300.0	0.45	0.44	34.82	27.96	16.3	0.288	1456.0
310.0	0.56	0.55	34.85	27.98	14.7	0.290	1456.7
320.0	0.58	0.57	34.85	27.98	14.6	0.291	1456.9
330.0	0.58	0.57	34.86	27.98	14.4	0.293	1457.1
340.0	0.58	0.57	34.86	27.98	14.5	0.294	1457.3
350.0	0.59	0.57	34.85	27.98	14.8	0.296	1457.5
370.0	0.70	0.68	34.88	27.99	13.5	0.298	1458.3
390.0	0.72	0.70	34.89	27.99	13.2	0.301	1458.7
410.0	0.68	0.66	34.89	27.99	13.1	0.304	1458.9
430.0	0.65	0.63	34.87	27.99	13.8	0.307	1459.1
450.0	0.65	0.63	34.87	27.99	13.9	0.309	1459.4
470.0	0.62	0.60	34.88	28.00	13.0	0.312	1459.6

DEPTH TEMP. SALIN

FRAM 1 STATION 2(1) CTD 30/MAR/1979 1627 GMT CODE = 1
LAT = 84.7638N LNG = 10.3548W LTER = 2. LGER = 5.
AIR TEMP = BAROM = WIND = SPEED =

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.69	25.52	247.7	0.000	1436.5
3.1	-1.73	-1.73	31.69	25.52	247.6	0.008	1436.5
5.0	-1.73	-1.73	31.69	25.52	247.4	0.012	1436.6
10.0	-1.73	-1.74	31.69	25.52	247.2	0.025	1436.6
15.0	-1.73	-1.73	31.69	25.52	247.5	0.037	1436.7
20.0	-1.73	-1.73	31.69	25.52	247.4	0.050	1436.8
25.0	-1.73	-1.73	31.69	25.52	247.0	0.062	1436.9
30.0	-1.73	-1.73	31.70	25.52	246.9	0.075	1437.0
35.0	-1.73	-1.73	31.69	25.52	247.0	0.087	1437.1
40.0	-1.73	-1.74	31.70	25.52	246.5	0.100	1437.1
45.0	-1.73	-1.73	31.71	25.53	246.0	0.112	1437.2
50.0	-1.73	-1.73	32.09	25.83	217.1	0.124	1437.9
55.0	-1.72	-1.72	32.28	25.99	201.8	0.134	1438.3
60.0	-1.71	-1.71	32.43	26.12	189.9	0.144	1438.6
65.0	-1.70	-1.70	32.53	26.20	182.2	0.153	1438.9
70.0	-1.69	-1.69	32.62	26.27	175.4	0.162	1439.2
80.0	-1.68	-1.68	32.82	26.43	160.2	0.179	1439.6
90.0	-1.59	-1.59	33.12	26.67	137.7	0.194	1440.6
100.0	-1.57	-1.57	33.37	26.87	118.1	0.207	1441.3
110.0	-1.53	-1.54	33.66	27.11	95.9	0.218	1442.0
120.0	-1.50	-1.50	33.95	27.34	73.8	0.227	1442.8
130.0	-1.43	-1.43	34.08	27.44	63.8	0.234	1443.4
140.0	-1.34	-1.34	34.19	27.53	56.0	0.240	1444.2
150.0	-1.28	-1.28	34.25	27.58	51.3	0.245	1444.7
160.0	-1.17	-1.17	34.32	27.63	46.4	0.250	1445.5
170.0	-1.06	-1.07	34.38	27.67	42.3	0.254	1446.2
180.0	-0.94	-0.94	34.44	27.72	38.0	0.258	1447.1
190.0	-0.81	-0.81	34.49	27.75	34.9	0.262	1447.9
200.0	-0.67	-0.67	34.53	27.78	32.3	0.266	1448.8
210.0	-0.52	-0.52	34.58	27.81	29.3	0.269	1449.7
220.0	-0.37	-0.38	34.62	27.84	27.1	0.272	1450.6
230.0	-0.25	-0.26	34.65	27.86	25.3	0.274	1451.4
240.0	-0.10	-0.11	34.69	27.88	23.2	0.277	1452.3
250.0	0.00	-0.01	34.71	27.90	21.6	0.279	1453.0
260.0	0.13	0.12	34.76	27.92	19.1	0.281	1453.8
270.0	0.24	0.23	34.78	27.94	17.9	0.283	1454.5
280.0	0.31	0.30	34.80	27.95	17.2	0.285	1455.0
290.0	0.31	0.30	34.80	27.94	17.4	0.286	1455.1
300.0	0.42	0.40	34.82	27.96	15.9	0.288	1455.8
310.0	0.51	0.49	34.85	27.97	14.7	0.290	1456.4
320.0	0.56	0.55	34.86	27.98	14.3	0.291	1456.8
330.0	0.56	0.55	34.86	27.98	14.2	0.292	1457.0
340.0	0.56	0.54	34.86	27.98	14.4	0.294	1457.2
350.0	0.61	0.59	34.87	27.99	13.6	0.295	1457.6
370.0	0.68	0.67	34.86	27.98	14.8	0.298	1458.2
390.0	0.71	0.69	34.87	27.98	14.6	0.301	1458.7
410.0	0.69	0.67	34.87	27.98	14.7	0.304	1458.9
430.0	0.65	0.63	34.87	27.98	14.1	0.307	1459.1
450.0	0.62	0.59	34.87	27.99	13.8	0.310	1459.3
470.0	0.57	0.55	34.88	28.00	12.9	0.313	1459.4
490.0	0.54	0.52	34.88	28.00	12.7	0.315	1459.6
510.0	0.48	0.45	34.88	28.00	12.4	0.318	1459.6
530.0	0.42	0.40	34.88	28.01	12.0	0.320	1459.7
550.0	0.38	0.36	34.88	28.01	11.5	0.322	1459.9
570.0	0.34	0.32	34.88	28.01	11.2	0.325	1460.0
590.0	0.28	0.26	34.88	28.01	10.9	0.327	1460.1
610.0	0.24	0.21	34.88	28.02	10.5	0.329	1460.2
630.0	0.20	0.17	34.89	28.02	10.5	0.331	1460.4
650.0	0.17	0.14	34.88	28.02	10.3	0.333	1460.6
670.0	0.15	0.12	34.88	28.02	10.2	0.335	1460.8
690.0	0.11	0.08	34.88	28.03	9.5	0.337	1461.0

DEPTH TEMP. SALIN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(PPT) 29 30 31 32 33 34 35 36
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200
300
(M) 400
500
600
700
800
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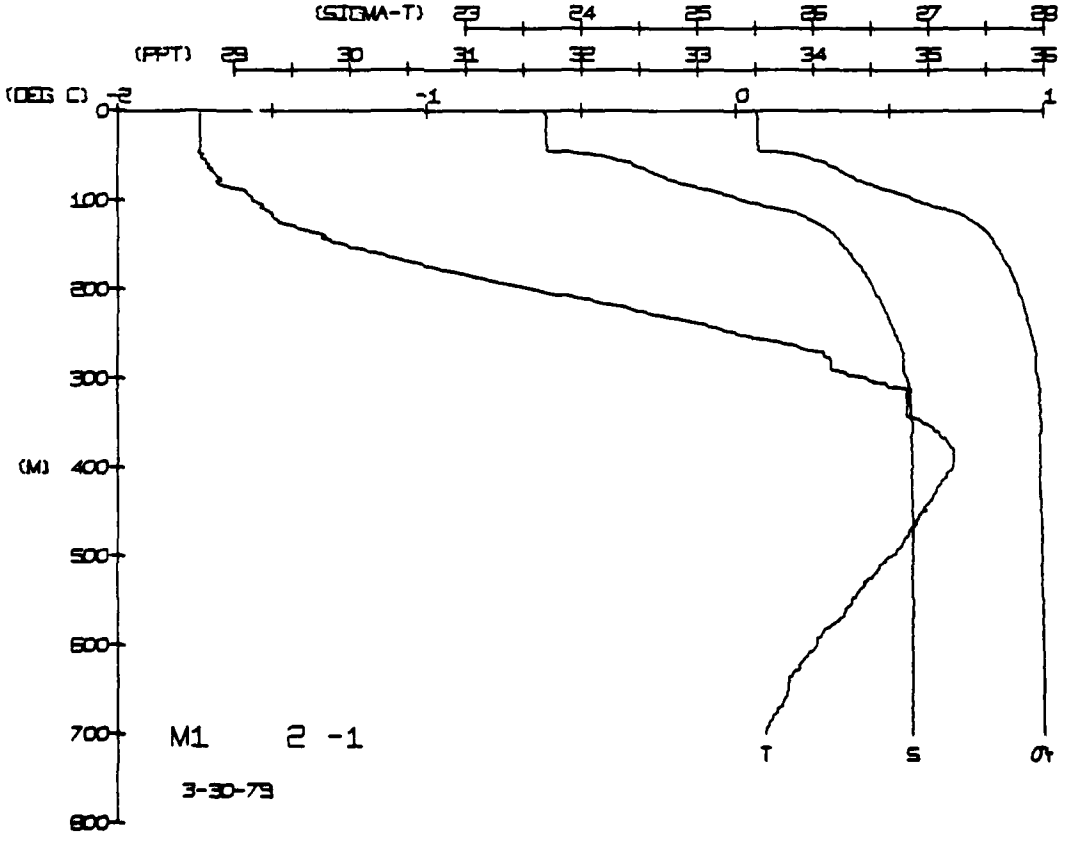
3-29-79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(PPT) 29 30 31 32 33 34 35 36
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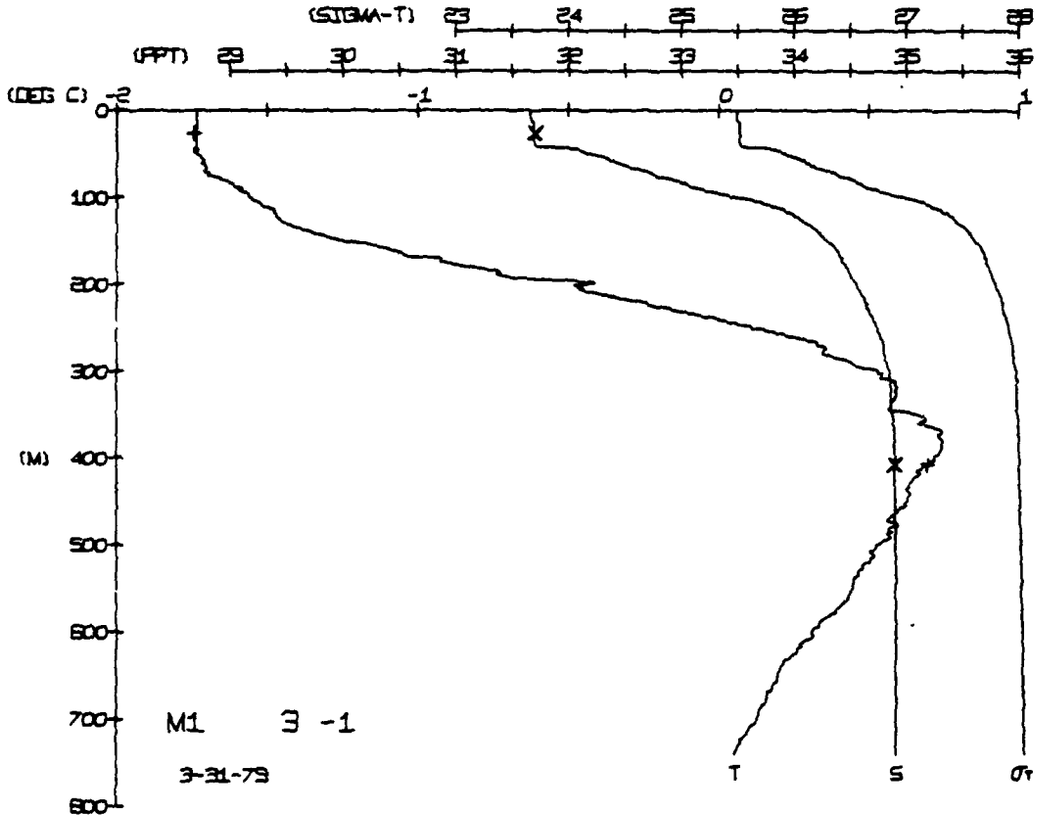
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(PPT) 29 30 31 32 33 34 35 36
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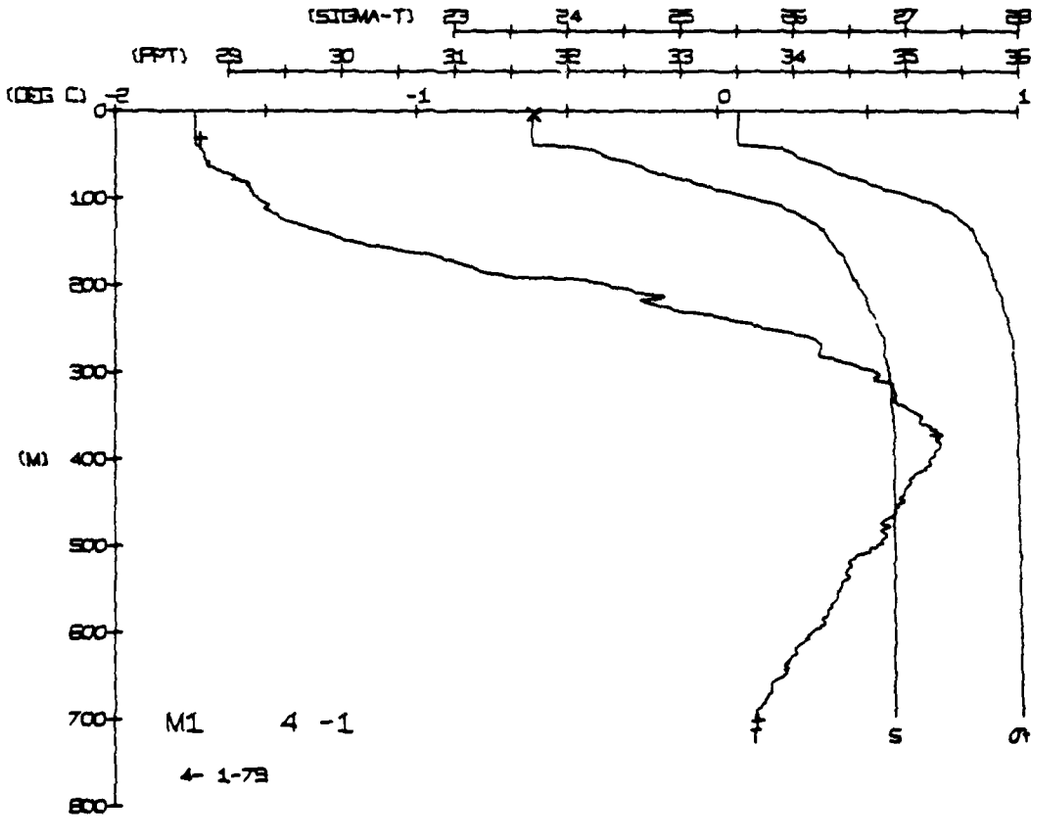
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(M) 400
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M1 4 -1
4- 1-79
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FRAM 1 STATION 5(1) CTD 1/APR/1979 1707 GMT CODE = 1
LAT = 84.7276N LNG = 10.2235W LTER = 10. LGER = 29.
AIR TEMP = -21.7 BAROM = 1019.8 WIND = 113.0 SPEED =

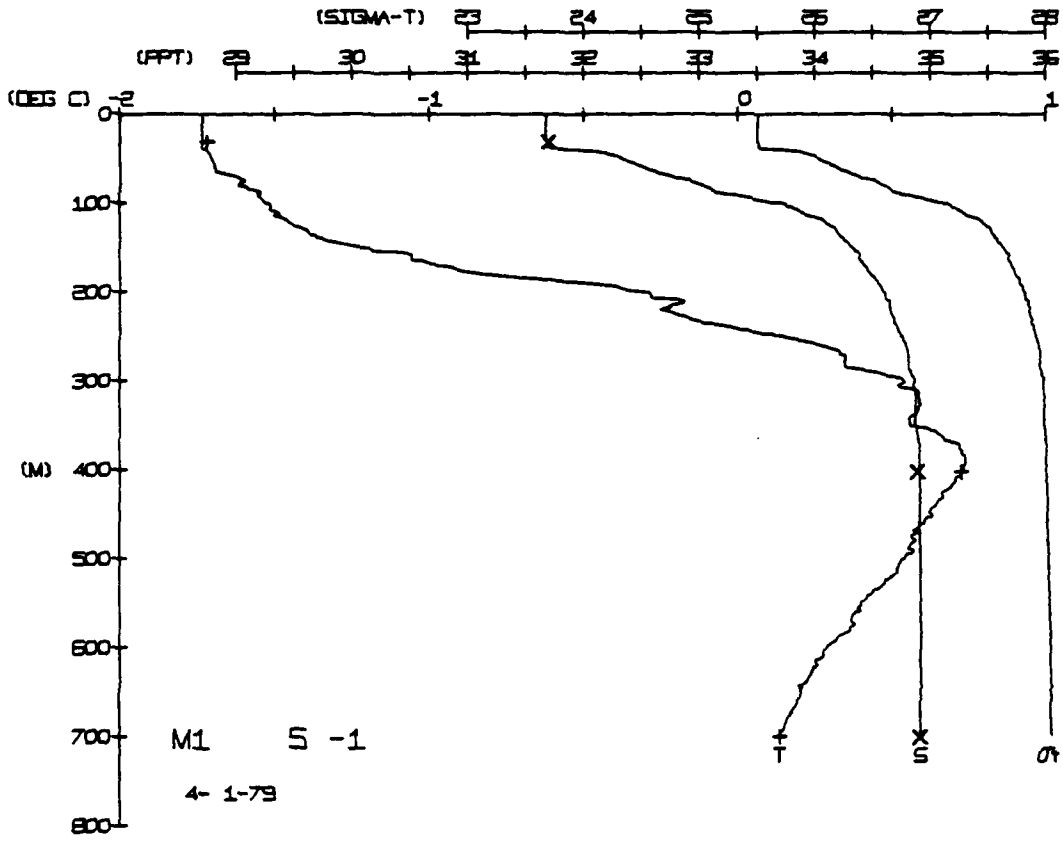
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.76	25.57	242.4	0.000	1436.6
3.0	-1.73	-1.73	31.76	25.57	242.4	0.007	1436.6
5.0	-1.73	-1.73	31.68	25.50	248.7	0.012	1436.5
10.0	-1.73	-1.73	31.67	25.50	248.8	0.025	1436.6
15.0	-1.74	-1.74	31.68	25.51	248.5	0.037	1436.7
20.0	-1.73	-1.73	31.67	25.50	248.7	0.050	1436.8
25.0	-1.73	-1.73	31.67	25.50	248.6	0.062	1436.9
30.0	-1.73	-1.73	31.67	25.50	248.5	0.075	1436.9
35.0	-1.74	-1.74	31.68	25.51	247.8	0.087	1437.0
40.0	-1.73	-1.73	31.74	25.56	243.1	0.100	1437.2
45.0	-1.71	-1.71	32.17	25.91	210.1	0.111	1438.0
50.0	-1.70	-1.71	32.32	26.03	198.5	0.121	1438.3
55.0	-1.70	-1.70	32.42	26.11	191.1	0.131	1438.6
60.0	-1.70	-1.70	32.51	26.18	184.4	0.141	1438.8
65.0	-1.69	-1.69	32.60	26.25	176.8	0.150	1439.0
70.0	-1.64	-1.64	32.73	26.35	167.4	0.158	1439.5
80.0	-1.61	-1.61	33.00	26.57	146.7	0.174	1440.2
90.0	-1.55	-1.55	33.21	26.74	130.5	0.188	1441.0
100.0	-1.53	-1.53	33.61	27.07	99.5	0.200	1441.8
110.0	-1.50	-1.50	33.87	27.28	79.9	0.209	1442.5
120.0	-1.46	-1.47	34.07	27.43	64.9	0.216	1443.1
130.0	-1.41	-1.41	34.17	27.52	57.0	0.222	1443.6
140.0	-1.36	-1.37	34.23	27.56	52.6	0.228	1444.1
150.0	-1.24	-1.25	34.32	27.63	46.4	0.233	1445.0
160.0	-1.06	-1.06	34.38	27.68	42.0	0.237	1446.1
170.0	-0.98	-0.99	34.42	27.71	39.2	0.241	1446.7
180.0	-0.85	-0.85	34.48	27.74	35.6	0.245	1447.5
190.0	-0.52	-0.53	34.54	27.78	32.3	0.249	1449.3
200.0	-0.33	-0.33	34.59	27.81	29.5	0.252	1450.4
210.0	-0.20	-0.21	34.63	27.84	27.2	0.255	1451.2
220.0	-0.25	-0.25	34.65	27.86	25.3	0.257	1451.2
230.0	-0.16	-0.17	34.68	27.88	23.2	0.260	1451.8
240.0	-0.03	-0.04	34.72	27.90	21.4	0.262	1452.6
250.0	0.12	0.11	34.75	27.92	19.4	0.264	1453.5
260.0	0.26	0.25	34.79	27.94	17.4	0.266	1454.4
270.0	0.33	0.32	34.81	27.95	16.7	0.268	1454.9
280.0	0.35	0.34	34.81	27.96	16.3	0.269	1455.2
290.0	0.42	0.41	34.83	27.97	15.3	0.271	1455.7
300.0	0.54	0.52	34.86	27.98	13.9	0.272	1456.4
310.0	0.56	0.55	34.87	27.99	13.5	0.274	1456.7
320.0	0.59	0.57	34.87	27.99	13.3	0.275	1457.0
330.0	0.59	0.57	34.87	27.99	13.2	0.276	1457.2
340.0	0.56	0.55	34.87	27.99	13.3	0.278	1457.2
350.0	0.56	0.54	34.87	27.99	13.3	0.279	1457.4
370.0	0.71	0.69	34.90	28.00	12.2	0.282	1458.4
390.0	0.74	0.72	34.91	28.01	11.8	0.284	1458.9
410.0	0.71	0.69	34.91	28.01	11.4	0.286	1459.1
430.0	0.66	0.64	34.91	28.01	11.4	0.289	1459.2
450.0	0.63	0.61	34.91	28.02	11.1	0.291	1459.4
470.0	0.58	0.56	34.91	28.02	10.5	0.293	1459.5
490.0	0.56	0.54	34.91	28.03	10.2	0.295	1459.7
510.0	0.52	0.49	34.91	28.03	10.0	0.297	1459.9
530.0	0.47	0.45	34.92	28.03	9.5	0.299	1460.0
550.0	0.40	0.38	34.92	28.04	9.1	0.301	1460.0
570.0	0.37	0.34	34.91	28.04	8.9	0.303	1460.2
590.0	0.32	0.30	34.92	28.04	8.2	0.305	1460.3
610.0	0.27	0.25	34.92	28.05	8.1	0.306	1460.4
630.0	0.23	0.21	34.92	28.05	7.8	0.308	1460.6
650.0	0.20	0.17	34.91	28.05	7.9	0.310	1460.8
670.0	0.18	0.15	34.92	28.05	7.4	0.311	1461.0
690.0	0.15	0.12	34.92	28.05	7.2	0.313	1461.2

	DEPTH	TEMP	SALIN
BOT NUM = 1	2.8		
BOT NUM = 2	32.1	-1.72	31.69
BOT NUM = 3	402.2	0.73	34.89
BOT NUM = 4	700.6	0.14	34.90

FRAM 1 STATION 6(1) CTD 2/APR/1979 740 GMT CODE = 1
LAT = 84.7410N LNG = 10.2326W LTER = 99. LGER = 120.
AIR TEMP = -28.5 BAROM = 1018.5 WIND = 192.0 SPEED = 2.4

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.70	25.52	246.9	0.000	1436.5
3.1	-1.74	-1.74	31.70	25.52	246.9	0.008	1436.5
5.0	-1.73	-1.73	31.70	25.52	247.2	0.012	1436.6
10.0	-1.73	-1.73	31.69	25.52	247.4	0.025	1436.6
15.0	-1.73	-1.73	31.68	25.51	248.1	0.037	1436.7
20.0	-1.73	-1.73	31.68	25.51	248.1	0.050	1436.8
25.0	-1.73	-1.73	31.69	25.51	247.7	0.062	1436.9
30.0	-1.73	-1.74	31.69	25.51	247.6	0.075	1437.0
35.0	-1.74	-1.74	31.69	25.51	247.5	0.087	1437.0
40.0	-1.74	-1.74	31.81	25.62	237.6	0.099	1437.3
45.0	-1.74	-1.74	32.17	25.90	210.5	0.111	1437.9
50.0	-1.71	-1.71	32.31	26.02	199.6	0.121	1438.3
55.0	-1.70	-1.70	32.41	26.10	192.0	0.131	1438.5
60.0	-1.71	-1.71	32.48	26.15	186.5	0.141	1438.7
65.0	-1.71	-1.71	32.60	26.25	177.5	0.150	1438.9
70.0	-1.69	-1.69	32.69	26.33	170.0	0.158	1439.2
80.0	-1.65	-1.65	32.94	26.53	150.9	0.175	1440.0
90.0	-1.58	-1.58	33.27	26.79	125.8	0.189	1440.9
100.0	-1.55	-1.55	33.64	27.09	97.6	0.200	1441.8
110.0	-1.50	-1.50	33.86	27.27	80.4	0.209	1442.5
120.0	-1.47	-1.47	34.05	27.42	66.0	0.216	1443.1
130.0	-1.39	-1.39	34.21	27.55	54.3	0.222	1443.8
140.0	-1.32	-1.33	34.26	27.59	50.5	0.228	1444.3
150.0	-1.24	-1.25	34.30	27.62	47.5	0.232	1444.9
160.0	-1.05	-1.05	34.38	27.67	42.3	0.237	1446.1
170.0	-0.89	-0.90	34.45	27.73	37.3	0.241	1447.1
180.0	-0.78	-0.78	34.50	27.76	34.0	0.245	1447.9
190.0	-0.70	-0.71	34.53	27.78	31.9	0.248	1448.5
200.0	-0.58	-0.59	34.59	27.81	29.2	0.251	1449.2
210.0	-0.46	-0.47	34.61	27.84	27.2	0.254	1450.0
220.0	-0.31	-0.32	34.66	27.87	24.3	0.256	1450.9
230.0	-0.13	-0.13	34.69	27.88	22.9	0.259	1452.0
240.0	0.03	0.03	34.73	27.91	20.5	0.261	1453.0
250.0	0.18	0.17	34.77	27.93	18.4	0.263	1453.8
260.0	0.24	0.23	34.80	27.95	16.8	0.265	1454.3
270.0	0.33	0.32	34.82	27.97	15.4	0.266	1454.9
280.0	0.33	0.32	34.81	27.95	16.4	0.268	1455.1
290.0	0.39	0.38	34.83	27.97	15.1	0.270	1455.6
300.0	0.54	0.52	34.86	27.99	13.7	0.271	1456.4
310.0	0.58	0.57	34.89	28.00	12.8	0.272	1456.8
320.0	0.58	0.57	34.87	27.99	13.1	0.274	1457.0
330.0	0.56	0.55	34.87	27.99	13.1	0.275	1457.0
340.0	0.56	0.54	34.87	27.99	13.4	0.276	1457.2
350.0	0.63	0.61	34.89	28.00	12.7	0.278	1457.7
370.0	0.71	0.69	34.90	28.01	11.9	0.280	1458.4
390.0	0.73	0.71	34.91	28.01	11.3	0.283	1458.9
410.0	0.69	0.67	34.91	28.01	11.4	0.285	1459.0
430.0	0.66	0.65	34.91	28.01	11.6	0.287	1459.2
450.0	0.63	0.61	34.91	28.02	10.7	0.289	1459.4
470.0	0.63	0.61	34.92	28.03	10.0	0.291	1459.7
490.0	0.60	0.57	34.93	28.03	9.6	0.293	1459.9
510.0	0.52	0.50	34.92	28.03	9.5	0.295	1459.9
530.0	0.46	0.44	34.92	28.03	9.3	0.297	1460.0
550.0	0.42	0.40	34.92	28.04	8.9	0.299	1460.1
570.0	0.37	0.35	34.92	28.04	8.4	0.301	1460.2
590.0	0.33	0.30	34.92	28.05	8.1	0.303	1460.3
610.0	0.28	0.26	34.92	28.05	7.6	0.304	1460.5
630.0	0.24	0.22	34.92	28.04	8.1	0.306	1460.6
650.0	0.20	0.17	34.92	28.05	7.1	0.307	1460.8
670.0	0.17	0.14	34.92	28.05	7.1	0.309	1461.0
690.0	0.13	0.10	34.92	28.06	6.8	0.310	1461.1

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.0		
BOT NUM = 2	33.0	-1.74	31.67
BOT NUM = 3	390.3	0.73	
BOT NUM = 4	700.4	0.13	34.90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(M) 400
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600
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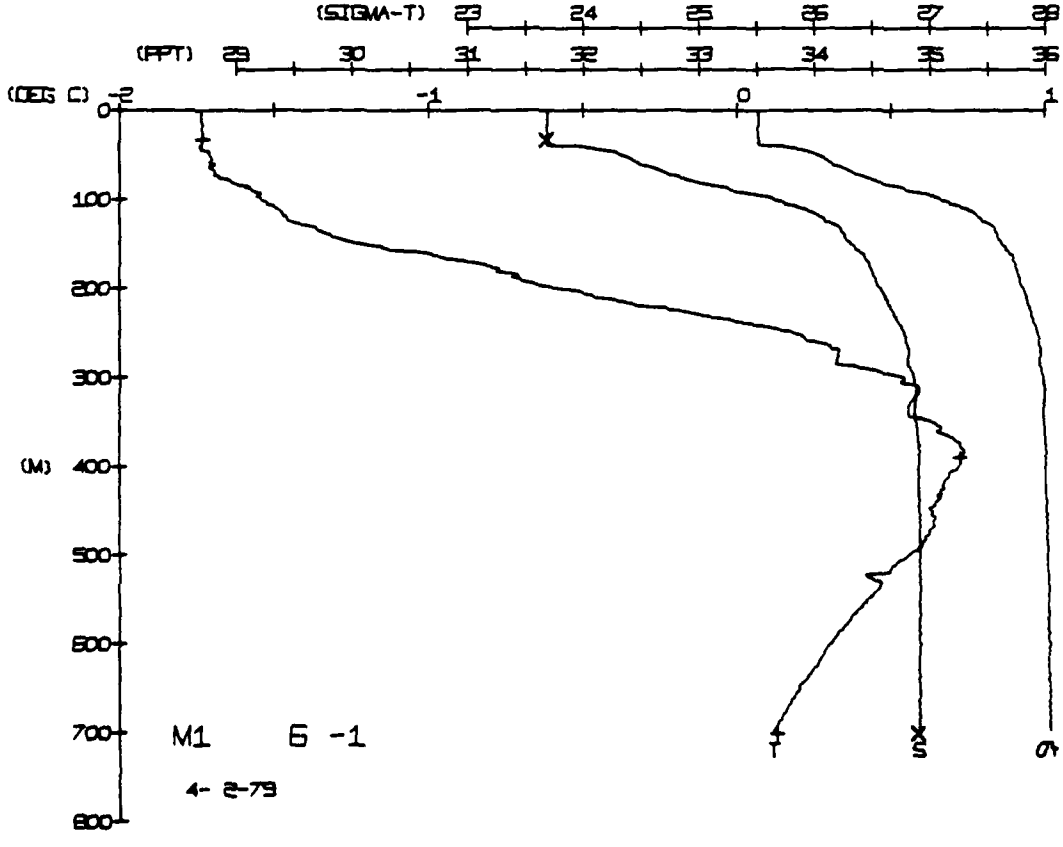
T
S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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
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100
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M1 6 -1
4- 2-79
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S

FRAM 1 STATION 7(1) CTD 2/APR/1979 1807 GMT CODE = 1
LAT = 84.7235N LNG = 10.1539W LTER = 1. LGER = 2.
AIR TEMP = -28.5 BAROM = 1021.1 WIND = 192.0 SPEED = 2.4

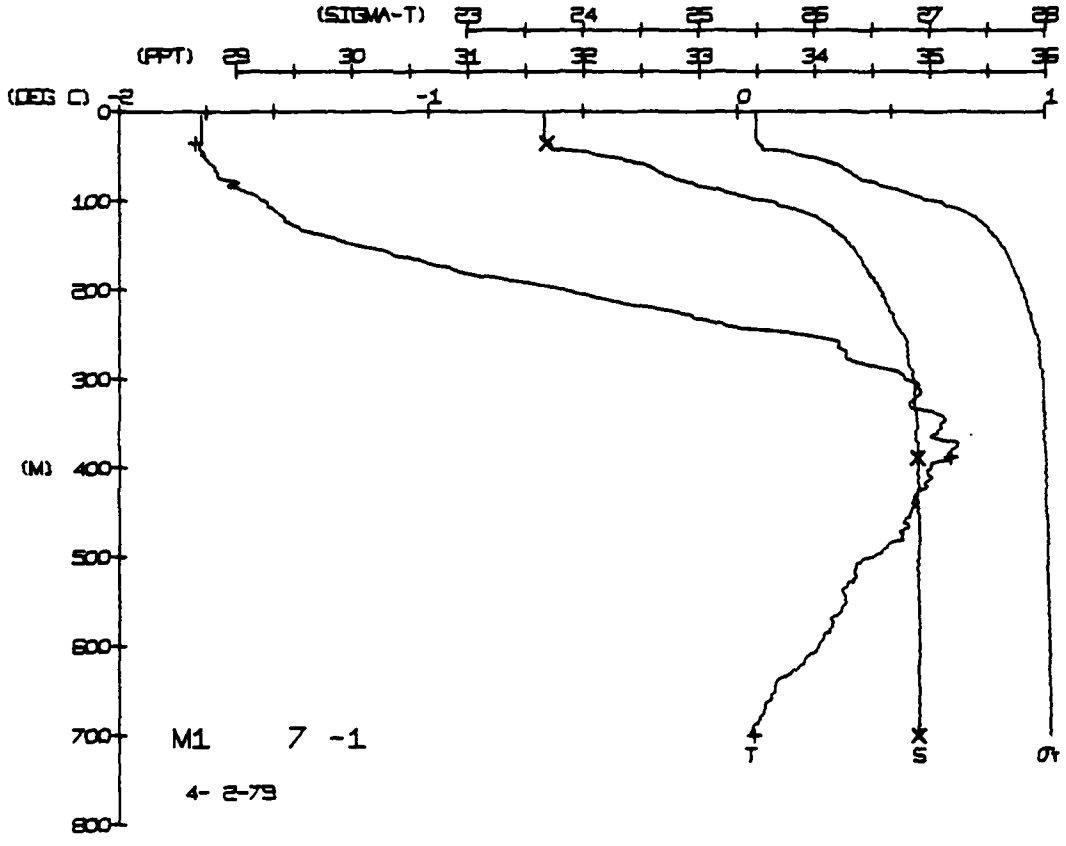
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.67	25.50	249.0	0.000	1436.4
3.1	-1.74	-1.74	31.67	25.50	249.0	0.008	1436.5
5.0	-1.74	-1.74	31.66	25.49	249.6	0.013	1436.5
10.0	-1.74	-1.74	31.66	25.49	249.6	0.025	1436.6
15.0	-1.73	-1.73	31.66	25.49	249.5	0.038	1436.7
20.0	-1.74	-1.74	31.67	25.50	249.3	0.050	1436.8
25.0	-1.73	-1.73	31.66	25.49	249.7	0.063	1436.8
30.0	-1.74	-1.74	31.66	25.49	249.6	0.075	1436.9
35.0	-1.74	-1.74	31.69	25.51	247.5	0.088	1437.0
40.0	-1.74	-1.74	31.73	25.54	244.5	0.100	1437.2
45.0	-1.73	-1.73	31.94	25.72	227.6	0.112	1437.6
50.0	-1.73	-1.73	32.16	25.89	211.2	0.123	1438.0
55.0	-1.72	-1.72	32.37	26.07	194.7	0.133	1438.4
60.0	-1.70	-1.70	32.53	26.19	182.6	0.143	1438.8
65.0	-1.69	-1.69	32.61	26.26	176.3	0.152	1439.0
70.0	-1.68	-1.68	32.68	26.32	170.8	0.161	1439.3
80.0	-1.61	-1.61	32.91	26.50	153.3	0.177	1440.1
90.0	-1.59	-1.59	33.21	26.74	130.5	0.191	1440.8
100.0	-1.54	-1.54	33.56	27.03	103.4	0.203	1441.7
110.0	-1.50	-1.50	33.83	27.25	82.7	0.213	1442.4
120.0	-1.47	-1.47	34.02	27.40	68.5	0.220	1443.0
130.0	-1.42	-1.42	34.15	27.50	58.5	0.227	1443.6
140.0	-1.34	-1.34	34.23	27.56	52.9	0.232	1444.2
150.0	-1.24	-1.25	34.30	27.61	47.8	0.237	1444.9
160.0	-1.12	-1.13	34.38	27.67	42.3	0.242	1445.8
170.0	-1.01	-1.01	34.42	27.70	39.4	0.246	1446.5
180.0	-0.90	-0.90	34.46	27.74	36.4	0.250	1447.3
190.0	-0.74	-0.74	34.52	27.77	33.2	0.253	1448.3
200.0	-0.57	-0.58	34.55	27.79	31.0	0.257	1449.3
210.0	-0.45	-0.46	34.61	27.83	27.6	0.259	1450.0
220.0	-0.29	-0.30	34.64	27.85	26.0	0.262	1451.0
230.0	-0.15	-0.16	34.68	27.89	23.5	0.265	1451.9
240.0	-0.04	-0.05	34.71	27.89	22.0	0.267	1452.6
250.0	0.19	0.18	34.75	27.92	19.8	0.269	1453.9
260.0	0.33	0.32	34.80	27.95	17.2	0.271	1454.7
270.0	0.35	0.34	34.80	27.95	17.2	0.273	1455.0
280.0	0.36	0.35	34.81	27.95	16.8	0.274	1455.2
290.0	0.48	0.47	34.83	27.97	15.5	0.276	1455.9
300.0	0.54	0.53	34.85	27.98	14.4	0.278	1456.4
310.0	0.59	0.57	34.87	27.99	13.7	0.279	1456.8
320.0	0.58	0.57	34.87	27.99	13.8	0.280	1457.0
330.0	0.56	0.54	34.86	27.98	14.0	0.282	1457.0
340.0	0.65	0.63	34.88	27.99	13.5	0.283	1457.6
350.0	0.66	0.64	34.88	27.99	13.2	0.284	1457.8
370.0	0.67	0.66	34.88	27.99	13.3	0.287	1458.2
390.0	0.69	0.67	34.90	28.01	11.9	0.290	1458.7
410.0	0.62	0.61	34.89	28.01	12.0	0.292	1458.7
430.0	0.58	0.56	34.89	28.00	12.2	0.295	1458.8
450.0	0.56	0.54	34.89	28.01	11.9	0.297	1459.0
470.0	0.54	0.52	34.90	28.02	11.1	0.299	1459.3
490.0	0.48	0.46	34.90	28.02	10.5	0.302	1459.4
510.0	0.39	0.36	34.90	28.02	10.4	0.304	1459.3
530.0	0.36	0.34	34.90	28.02	10.2	0.306	1459.5
550.0	0.35	0.32	34.90	28.02	10.1	0.308	1459.7
570.0	0.30	0.27	34.90	28.03	9.5	0.310	1459.9
590.0	0.28	0.25	34.91	28.03	9.0	0.312	1460.1
610.0	0.23	0.21	34.91	28.04	8.5	0.313	1460.2
630.0	0.17	0.14	34.90	28.04	8.7	0.315	1460.3
650.0	0.12	0.09	34.90	28.04	8.5	0.317	1460.4
670.0	0.08	0.06	34.90	28.04	8.3	0.319	1460.6
690.0	0.05	0.02	34.90	28.04	7.9	0.320	1460.7

	DEPTH	TEMP	SALIN
BOT NUM = 1	0.5	-1.72	
BOT NUM = 2	35.6	-1.75	31.68
BOT NUM = 3	388.4	0.69	34.87
BOT NUM = 4	700.4	0.05	34.90

FRAM 1 STATION 8(1) CTD 3/APR/1979 1707 GMT CODE = 1
LAT = 84 6746N LNG = 9 6833W LTER = 36 LGER = 63.
AIR TEMP = -27 0 BAROM = 1028 6 WIND = 261 0 SPEED = 5 8

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.71	25.53	246.2	0.000	1436.5
3.1	-1.74	-1.74	31.71	25.53	246.2	0.008	1436.5
5.0	-1.74	-1.74	31.70	25.53	246.5	0.012	1436.6
10.0	-1.74	-1.74	31.70	25.52	246.9	0.025	1436.6
15.0	-1.74	-1.74	31.70	25.52	246.7	0.037	1436.7
20.0	-1.74	-1.74	31.70	25.52	246.9	0.050	1436.8
25.0	-1.74	-1.74	31.70	25.52	246.9	0.062	1436.9
30.0	-1.74	-1.74	31.70	25.52	246.8	0.075	1437.0
35.0	-1.74	-1.74	31.70	25.52	246.7	0.087	1437.0
40.0	-1.73	-1.74	31.69	25.52	246.9	0.099	1437.1
45.0	-1.74	-1.74	31.88	25.67	232.5	0.111	1437.5
50.0	-1.73	-1.73	32.19	25.92	208.6	0.123	1438.0
55.0	-1.72	-1.72	32.33	26.03	197.9	0.133	1438.3
60.0	-1.71	-1.71	32.46	26.13	188.2	0.143	1438.7
65.0	-1.70	-1.70	32.55	26.21	180.8	0.152	1438.9
70.0	-1.70	-1.70	32.64	26.28	174.2	0.161	1439.1
80.0	-1.63	-1.63	32.90	26.50	153.8	0.177	1440.0
90.0	-1.57	-1.57	33.16	26.70	134.5	0.192	1440.8
100.0	-1.53	-1.54	33.52	26.99	107.0	0.204	1441.6
110.0	-1.52	-1.52	33.78	27.20	86.6	0.214	1442.2
120.0	-1.49	-1.49	34.01	27.39	69.1	0.222	1442.9
130.0	-1.44	-1.44	34.11	27.47	61.4	0.228	1443.4
140.0	-1.35	-1.35	34.22	27.56	53.2	0.234	1444.2
150.0	-1.23	-1.23	34.31	27.62	47.3	0.239	1445.0
160.0	-1.12	-1.13	34.37	27.67	42.9	0.244	1445.8
170.0	-0.96	-0.96	34.43	27.71	38.5	0.248	1446.8
180.0	-0.79	-0.80	34.48	27.75	35.4	0.251	1447.8
190.0	-0.65	-0.65	34.54	27.78	32.1	0.255	1448.7
200.0	-0.50	-0.51	34.57	27.80	30.2	0.258	1449.6
210.0	-0.29	-0.30	34.62	27.83	27.6	0.261	1450.8
220.0	-0.15	-0.15	34.65	27.85	25.8	0.264	1451.7
230.0	-0.09	-0.10	34.69	27.87	24.0	0.266	1452.1
240.0	0.03	0.02	34.70	27.89	22.6	0.269	1452.9
250.0	0.14	0.13	34.74	27.91	20.6	0.271	1453.6
260.0	0.26	0.25	34.77	27.93	18.8	0.273	1454.4
270.0	0.33	0.32	34.79	27.94	17.7	0.275	1454.9
280.0	0.37	0.36	34.81	27.95	16.9	0.276	1455.2
290.0	0.46	0.44	34.83	27.96	15.6	0.278	1455.8
300.0	0.50	0.49	34.84	27.97	15.1	0.279	1456.2
310.0	0.49	0.48	34.85	27.98	14.6	0.281	1456.4
320.0	0.50	0.49	34.85	27.97	14.8	0.282	1456.6
330.0	0.55	0.53	34.86	27.98	14.0	0.284	1457.0
340.0	0.56	0.54	34.86	27.98	14.2	0.285	1457.1
350.0	0.57	0.56	34.87	27.99	13.7	0.287	1457.4
370.0	0.56	0.54	34.87	27.99	13.3	0.289	1457.7
390.0	0.60	0.58	34.88	28.00	12.8	0.292	1458.2
410.0	0.54	0.52	34.88	28.00	12.3	0.295	1458.3
430.0	0.49	0.48	34.88	28.00	12.1	0.297	1458.4
450.0	0.49	0.47	34.89	28.01	11.6	0.299	1458.7
470.0	0.43	0.41	34.89	28.01	11.3	0.302	1458.8
490.0	0.38	0.36	34.88	28.01	11.2	0.304	1458.9
510.0	0.35	0.33	34.89	28.02	10.9	0.306	1459.1
530.0	0.31	0.29	34.89	28.02	10.4	0.308	1459.3
550.0	0.31	0.29	34.89	28.02	10.1	0.311	1459.6
570.0	0.29	0.26	34.90	28.03	9.3	0.313	1459.8
590.0	0.20	0.17	34.89	28.03	9.3	0.314	1459.7
610.0	0.17	0.14	34.90	28.03	9.0	0.316	1459.9
630.0	0.14	0.11	34.89	28.03	8.9	0.318	1460.1
650.0	0.10	0.07	34.90	28.04	8.4	0.320	1460.3
670.0	0.08	0.05	34.90	28.04	8.0	0.321	1460.5
690.0	0.06	0.03	34.90	28.04	7.9	0.323	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.9	-1.76	
BOT NUM = 2	36.9	-1.75	31.69
BOT NUM = 3	392.6	0.58	34.87
BOT NUM = 4	701.5	0.03	34.90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M1 7 -1
4- 2-79
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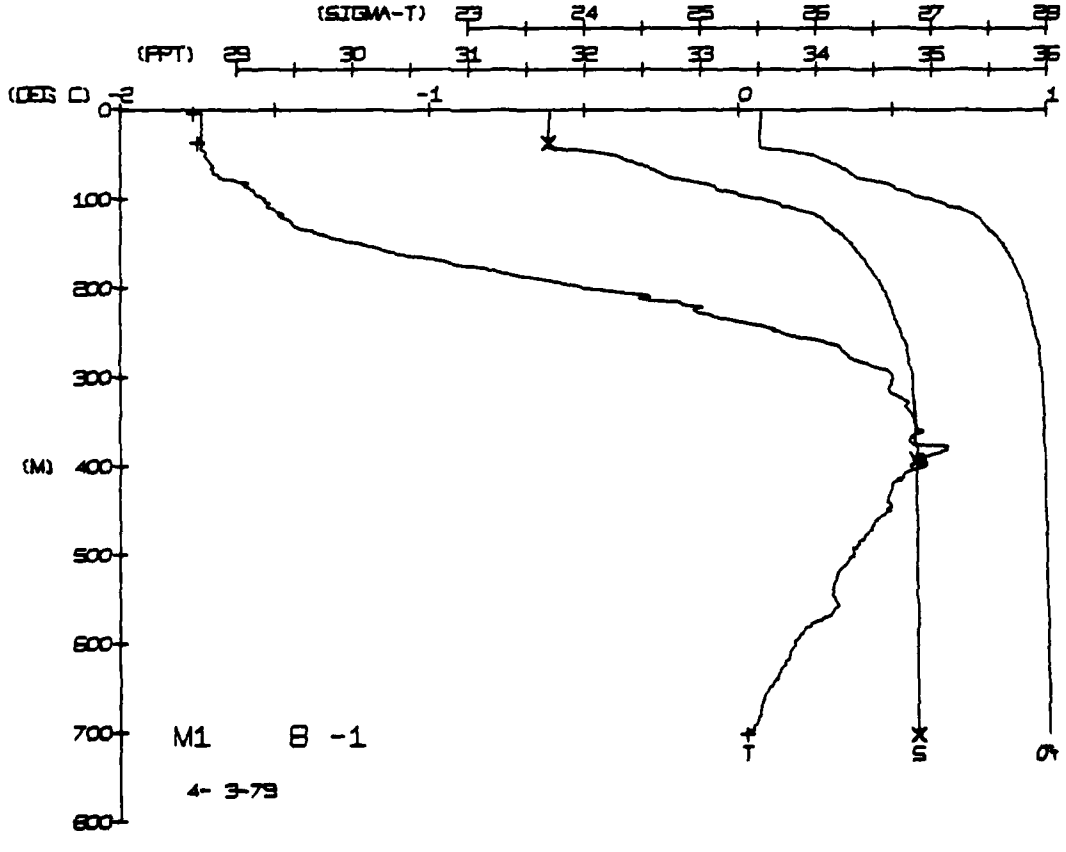
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(PPT) 29 30 31 32 33 34 35 36
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M1 8 -1
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FRAM 1 STATION 9(1) CTD 3/APR/1979 1835 GMT CODE = 1
LAT = 84 6716N LNG = 9 6581W LTER = 0. LGER = 0.
AIR TEMP = -27.0 BAROM = 1035.4 WIND = 261.0 SPEED = 5.8

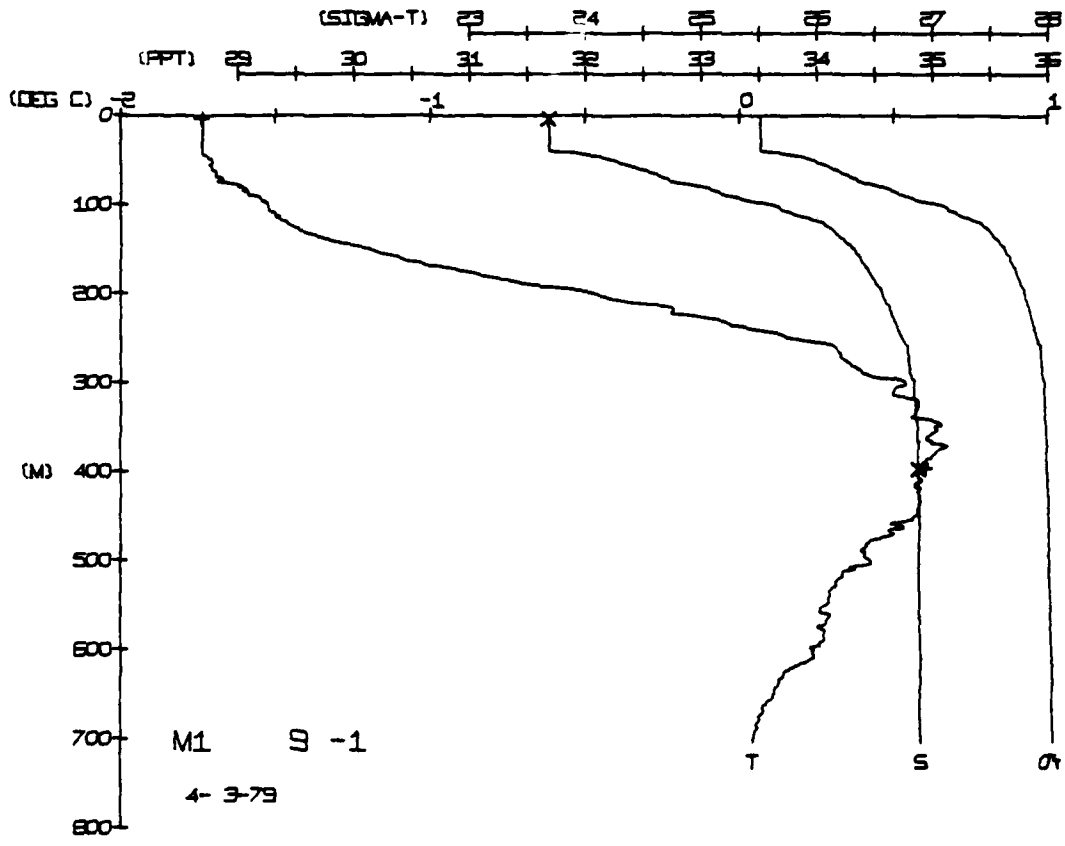
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.69	25.52	247.4	0.000	1436.5
3.1	-1.74	-1.74	31.69	25.52	247.4	0.008	1436.5
5.0	-1.73	-1.73	31.69	25.51	247.8	0.012	1436.5
10.0	-1.73	-1.73	31.69	25.51	247.9	0.025	1436.6
15.0	-1.74	-1.74	31.69	25.52	247.3	0.037	1436.7
20.0	-1.74	-1.74	31.69	25.52	247.3	0.050	1436.8
25.0	-1.74	-1.74	31.69	25.52	247.2	0.062	1436.9
30.0	-1.74	-1.74	31.69	25.52	247.0	0.075	1437.0
35.0	-1.73	-1.74	31.69	25.52	247.1	0.087	1437.0
40.0	-1.74	-1.74	31.70	25.52	246.5	0.100	1437.1
45.0	-1.74	-1.74	31.97	25.74	225.8	0.112	1437.6
50.0	-1.72	-1.72	32.19	25.92	208.4	0.122	1438.1
55.0	-1.70	-1.71	32.31	26.02	199.5	0.133	1438.4
60.0	-1.71	-1.71	32.44	26.12	189.7	0.143	1438.6
65.0	-1.69	-1.70	32.56	26.22	180.4	0.152	1439.0
70.0	-1.69	-1.69	32.66	26.30	172.5	0.161	1439.2
80.0	-1.62	-1.63	32.93	26.52	151.6	0.177	1440.1
90.0	-1.59	-1.60	33.21	26.74	130.6	0.191	1440.6
100.0	-1.53	-1.53	33.56	27.02	103.8	0.203	1441.7
110.0	-1.50	-1.51	33.78	27.20	86.7	0.213	1442.3
120.0	-1.47	-1.47	34.00	27.38	69.8	0.221	1443.0
130.0	-1.43	-1.43	34.14	27.49	59.6	0.227	1443.5
140.0	-1.34	-1.34	34.24	27.57	52.4	0.233	1444.2
150.0	-1.22	-1.22	34.32	27.63	46.4	0.238	144 1
160.0	-1.11	-1.11	34.38	27.68	42.0	0.242	1445.9
170.0	-0.98	-0.99	34.43	27.71	38.8	0.246	1446.7
180.0	-0.84	-0.85	34.48	27.74	35.7	0.250	1447.6
190.0	-0.69	-0.70	34.52	27.78	32.7	0.254	1448.5
200.0	-0.48	-0.48	34.57	27.81	29.9	0.257	1449.7
210.0	-0.38	-0.38	34.60	27.82	28.3	0.260	1450.4
220.0	-0.21	-0.22	34.64	27.85	26.1	0.262	1451.4
230.0	-0.09	-0.09	34.67	27.87	24.5	0.265	1452.2
240.0	0.03	0.02	34.70	27.89	22.7	0.267	1452.9
250.0	0.15	0.14	34.74	27.91	20.6	0.270	1453.7
260.0	0.31	0.30	34.79	27.94	17.9	0.271	1454.6
270.0	0.33	0.32	34.79	27.94	17.6	0.273	1454.9
280.0	0.36	0.35	34.80	27.95	17.3	0.275	1455.2
290.0	0.41	0.39	34.82	27.95	16.5	0.277	1455.6
300.0	0.54	0.52	34.85	27.97	14.9	0.278	1456.4
310.0	0.50	0.49	34.85	27.97	14.8	0.280	1456.4
320.0	0.58	0.56	34.86	27.98	14.3	0.281	1456.9
330.0	0.58	0.56	34.86	27.98	14.5	0.283	1457.1
340.0	0.58	0.56	34.86	27.98	14.3	0.284	1457.2
350.0	0.63	0.62	34.87	27.99	13.6	0.286	1457.7
370.0	0.65	0.64	34.88	28.00	12.9	0.288	1458.1
390.0	0.61	0.59	34.88	28.00	12.9	0.291	1458.3
410.0	0.59	0.57	34.89	28.00	12.4	0.293	1458.5
430.0	0.58	0.56	34.89	28.01	11.9	0.296	1458.8
450.0	0.57	0.55	34.89	28.01	11.8	0.298	1459.1
470.0	0.50	0.48	34.89	28.01	11.4	0.301	1459.1
490.0	0.40	0.38	34.89	28.02	10.9	0.303	1459.0
510.0	0.37	0.35	34.89	28.02	10.6	0.305	1459.2
530.0	0.31	0.28	34.89	28.02	10.7	0.307	1459.2
550.0	0.28	0.26	34.89	28.02	10.2	0.309	1459.4
570.0	0.28	0.26	34.90	28.03	9.6	0.311	1459.8
590.0	0.27	0.25	34.90	28.03	9.5	0.313	1460.1
610.0	0.24	0.21	34.90	28.03	9.0	0.315	1460.3
630.0	0.14	0.11	34.89	28.03	8.9	0.317	1460.1
650.0	0.11	0.08	34.90	28.04	8.3	0.319	1460.3
670.0	0.08	0.05	34.90	28.04	8.3	0.320	1460.5
690.0	0.05	0.02	34.90	28.04	8.1	0.322	1460.8

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.7	-1.74	31.68
BOT NUM = 2	397.1	0.61	34.88

FRAM 1 STATION 10(1) CTD 4/APR/1979 700 GMT CODE = 1
LAT = 84 6601N LNG = 9 5517W LTER = 15. LGER = 27.
AIR TEMP = -28.3 BAROM = 1038.5 WIND = 218.0 SPEED = 4.2

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.66	25.50	249.6	0.000	1436.4
3.0	-1.73	-1.73	31.66	25.50	249.5	0.008	1436.5
5.0	-1.73	-1.73	31.66	25.49	249.7	0.013	1436.5
10.0	-1.73	-1.73	31.66	25.49	249.6	0.025	1436.6
15.0	-1.73	-1.73	31.66	25.49	249.5	0.038	1436.7
20.0	-1.73	-1.73	31.66	25.49	249.5	0.050	1436.8
25.0	-1.73	-1.73	31.66	25.49	249.9	0.063	1436.8
30.0	-1.73	-1.73	31.65	25.48	250.6	0.075	1436.9
35.0	-1.73	-1.73	31.65	25.48	250.5	0.088	1437.0
40.0	-1.73	-1.73	31.67	25.50	249.0	0.101	.137 1
45.0	-1.71	-1.71	32.15	25.89	211.5	0.112	1438.0
50.0	-1.71	-1.71	32.27	25.98	202.7	0.123	1438.2
55.0	-1.71	-1.71	32.38	26.07	194.1	0.133	1438.4
60.0	-1.69	-1.69	32.47	26.14	187.5	0.142	1438.8
65.0	-1.68	-1.68	32.59	26.24	178.3	0.151	1439.1
70.0	-1.68	-1.68	32.69	26.31	171.1	0.160	1439.3
80.0	-1.60	-1.60	32.99	26.56	147.6	0.176	1440.3
90.0	-1.57	-1.57	33.27	26.79	126.1	0.190	1440.9
100.0	-1.52	-1.53	33.60	27.05	100.9	0.202	1441.8
110.0	-1.50	-1.50	33.84	27.25	82.2	0.211	1442.4
120.0	-1.47	-1.47	34.03	27.40	68.1	0.218	1443.0
130.0	-1.42	-1.43	34.14	27.49	59.4	0.225	1443.5
140.0	-1.34	-1.34	34.23	27.56	52.8	0.231	1444.2
150.0	-1.20	-1.21	34.32	27.63	45.1	0.235	1445.2
160.0	-1.11	-1.12	34.39	27.68	42.1	0.240	1445.8
170.0	-1.01	-1.01	34.42	27.70	39.3	0.244	1446.5
180.0	-0.86	-0.86	34.48	27.74	35.6	0.248	1447.5
190.0	-0.72	-0.72	34.52	27.77	33.0	0.251	1448.4
200.0	-0.54	-0.55	34.57	27.80	30.1	0.254	1449.6
210.0	-0.44	-0.44	34.60	27.83	27.8	0.257	1450.1
220.0	-0.30	-0.31	34.63	27.84	26.4	0.260	1450.9
230.0	-0.18	-0.18	34.67	27.87	24.0	0.263	1451.7
240.0	-0.05	-0.05	34.70	27.89	22.4	0.265	1452.5
250.0	0.07	0.06	34.74	27.91	20.3	0.267	1453.3
260.0	0.19	0.18	34.77	27.93	18.9	0.269	1454.0
270.0	0.29	0.28	34.80	27.95	17.1	0.271	1454.7
280.0	0.31	0.30	34.80	27.95	17.2	0.273	1455.0
290.0	0.37	0.36	34.81	27.96	16.4	0.274	1455.4
300.0	0.49	0.48	34.81	27.97	14.9	0.276	1456.2
310.0	0.56	0.55	34.86	27.98	14.2	0.277	1456.7
320.0	0.56	0.55	34.86	27.98	14.0	0.279	1456.9
330.0	0.56	0.55	34.86	27.98	13.9	0.280	1457.0
340.0	0.57	0.56	34.86	27.98	14.1	0.282	1457.2
350.0	0.63	0.61	34.88	27.99	13.4	0.283	1457.7
370.0	0.69	0.68	34.89	28.00	12.9	0.286	1458.3
390.0	0.71	0.69	34.89	28.00	12.8	0.288	1458.7
410.0	0.69	0.67	34.90	28.00	12.3	0.291	1459.0
430.0	0.65	0.63	34.90	28.01	11.7	0.293	1459.1
450.0	0.64	0.62	34.90	28.01	11.5	0.296	1459.4
470.0	0.61	0.59	34.91	28.02	11.1	0.298	1459.6
490.0	0.55	0.53	34.91	28.02	10.4	0.300	1459.7
510.0	0.49	0.47	34.91	28.03	10.2	0.302	1459.8
530.0	0.45	0.43	34.91	28.03	10.0	0.304	1459.9
550.0	0.40	0.37	34.91	28.03	9.6	0.306	1460.0
570.0	0.35	0.33	34.91	28.03	9.4	0.308	1460.1
590.0	0.30	0.27	34.91	28.04	8.7	0.310	1460.2
610.0	0.27	0.24	34.91	28.04	8.8	0.312	1460.4
630.0	0.22	0.20	34.91	28.04	8.1	0.313	1460.5
650.0	0.18	0.15	34.91	28.04	8.1	0.315	1460.7
670.0	0.15	0.12	34.90	28.04	8.2	0.317	1460.9
690.0	0.12	0.09	34.91	28.05	7.3	0.318	1461.1

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.7	-1.75	31.66
BOT NUM = 2	35.1	-1.73	31.66
BOT NUM = 3	394.1	0.72	34.89
BOT NUM = 4	699.9	0.10	34.90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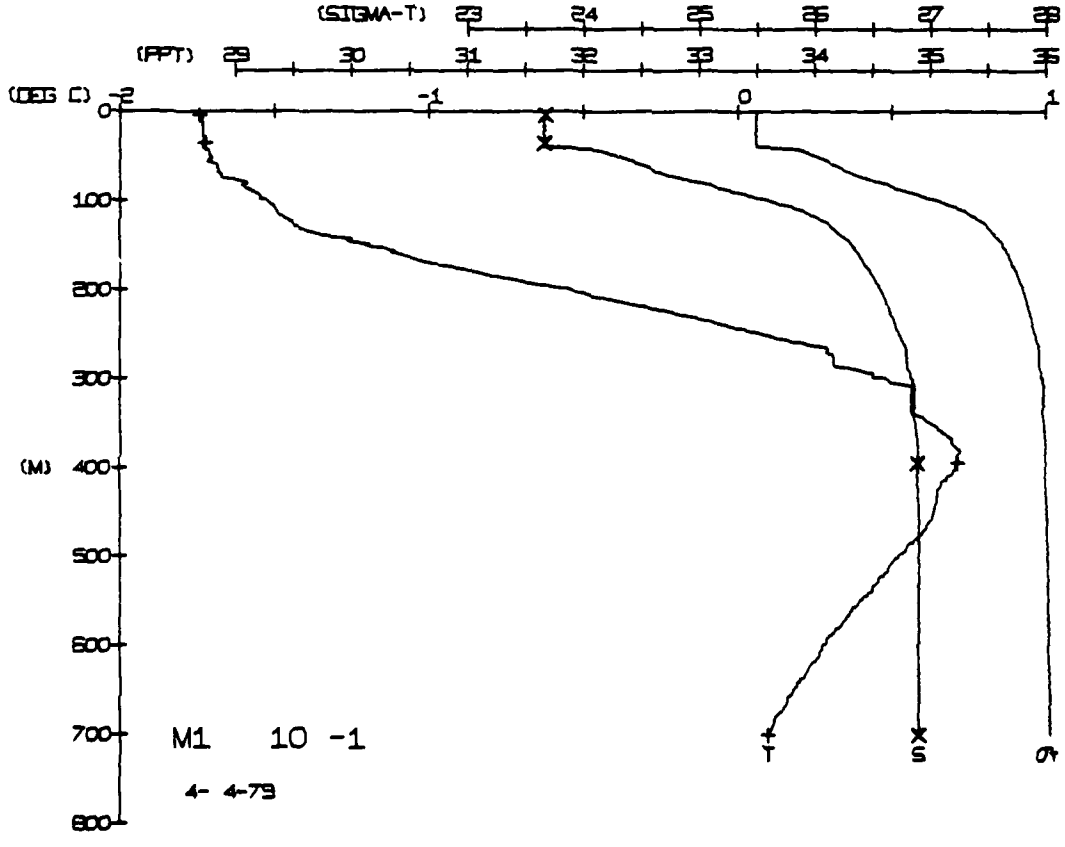
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(PPT)
(DEG C)
(M)
M1 10 -1
4- 4-79
T
S

FRAM 1 STATION 11(1) CTD 4/APR/1979 1837 GMT CODE = 1
LAT = 84 6472N LNG = 9 4235W LTER = 0. LGER = 0.
AIR TEMP = -28.3 BAROM = 1038.7 WIND = 218.0 SPEED = 4.2

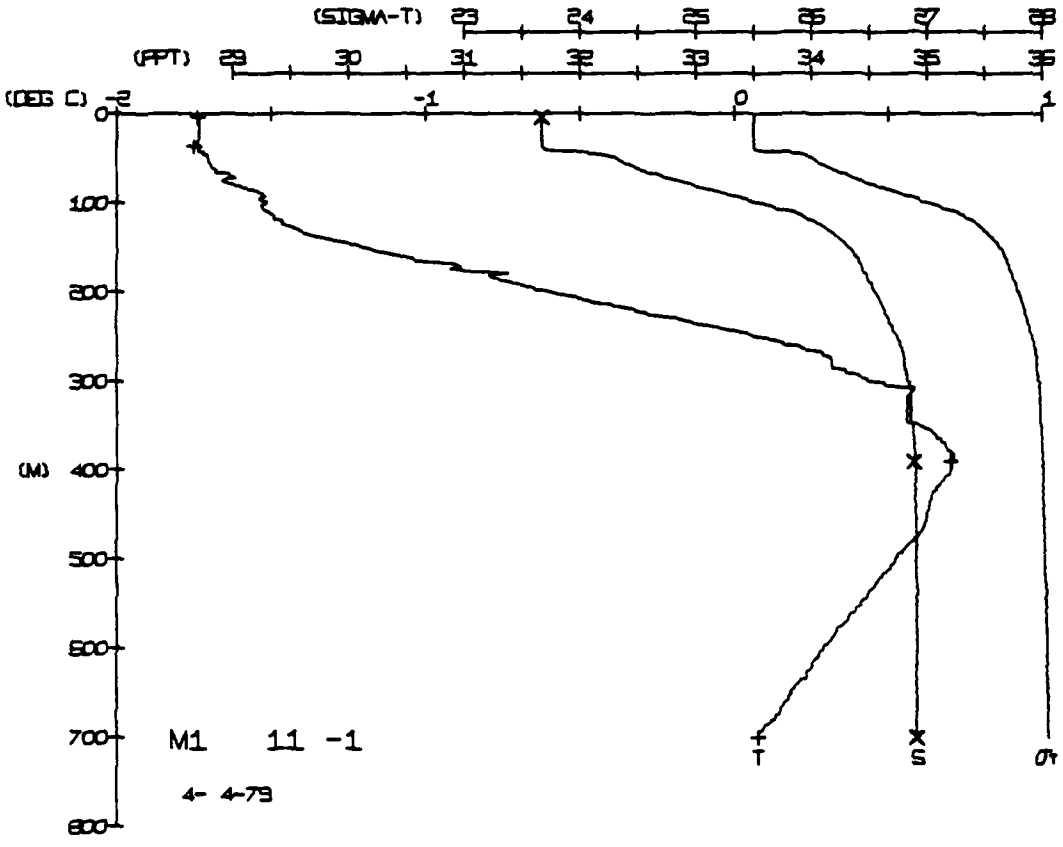
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.68	25.50	248.7	0.000	1436.4
3.1	-1.74	-1.74	31.68	25.50	248.6	0.008	1436.5
5.0	-1.73	-1.73	31.67	25.50	249.0	0.013	1436.5
10.0	-1.74	-1.74	31.67	25.50	248.9	0.025	1436.6
15.0	-1.73	-1.73	31.67	25.50	249.2	0.038	1436.7
20.0	-1.74	-1.74	31.67	25.50	249.2	0.050	1436.8
25.0	-1.73	-1.74	31.67	25.50	248.9	0.063	1436.9
30.0	-1.74	-1.74	31.67	25.50	248.9	0.075	1436.9
35.0	-1.74	-1.74	31.67	25.50	248.8	0.088	1437.0
40.0	-1.73	-1.73	31.69	25.51	247.4	0.100	1437.1
45.0	-1.72	-1.72	32.09	25.84	216.2	0.112	1437.9
50.0	-1.70	-1.70	32.29	26.00	200.7	0.122	1438.3
55.0	-1.70	-1.70	32.36	26.06	195.5	0.132	1438.5
60.0	-1.69	-1.69	32.46	26.14	188.2	0.142	1438.7
65.0	-1.68	-1.68	32.56	26.22	180.0	0.151	1439.0
70.0	-1.63	-1.63	32.69	26.32	170.6	0.160	1439.5
80.0	-1.63	-1.63	32.95	26.53	150.4	0.176	1440.1
90.0	-1.53	-1.54	33.24	26.76	128.6	0.190	1441.1
100.0	-1.52	-1.52	33.53	27.00	106.1	0.202	1441.7
110.0	-1.52	-1.52	33.80	27.22	85.6	0.212	1442.3
120.0	-1.48	-1.48	34.00	27.38	69.7	0.220	1442.9
130.0	-1.42	-1.42	34.13	27.48	60.0	0.226	1443.5
140.0	-1.34	-1.35	34.23	27.56	52.7	0.232	1444.2
150.0	-1.21	-1.21	34.31	27.62	46.8	0.237	1445.1
160.0	-1.09	-1.10	34.37	27.67	42.7	0.242	1445.9
170.0	-0.92	-0.92	34.43	27.71	38.7	0.246	1447.0
180.0	-0.72	-0.73	34.48	27.74	36.0	0.249	1448.1
190.0	-0.72	-0.73	34.52	27.77	33.2	0.253	1448.3
200.0	-0.61	-0.61	34.55	27.79	31.1	0.256	1449.1
210.0	-0.47	-0.48	34.59	27.82	28.6	0.259	1449.9
220.0	-0.33	-0.34	34.63	27.84	26.3	0.262	1450.8
230.0	-0.22	-0.23	34.66	27.87	24.3	0.264	1451.5
240.0	-0.06	-0.07	34.70	27.89	22.3	0.267	1452.5
250.0	0.06	0.05	34.74	27.91	20.4	0.269	1453.2
260.0	0.16	0.15	34.76	27.92	19.2	0.271	1453.9
270.0	0.29	0.27	34.79	27.94	17.4	0.273	1454.7
280.0	0.32	0.30	34.80	27.94	17.4	0.275	1455.0
290.0	0.36	0.35	34.81	27.95	16.4	0.276	1455.4
300.0	0.43	0.42	34.82	27.96	16.3	0.278	1455.9
310.0	0.58	0.57	34.86	27.98	13.9	0.279	1456.8
320.0	0.56	0.55	34.86	27.98	14.1	0.281	1456.8
330.0	0.56	0.54	34.86	27.98	14.0	0.282	1457.0
340.0	0.56	0.54	34.86	27.98	14.2	0.284	1457.2
350.0	0.60	0.58	34.87	27.99	13.8	0.285	1457.5
370.0	0.68	0.66	34.89	28.00	12.5	0.288	1458.3
390.0	0.71	0.69	34.90	28.01	12.1	0.290	1458.7
410.0	0.68	0.66	34.90	28.01	12.1	0.293	1458.9
430.0	0.64	0.62	34.90	28.01	11.8	0.295	1459.1
450.0	0.62	0.60	34.90	28.01	11.5	0.298	1459.3
470.0	0.60	0.58	34.90	28.01	11.5	0.300	1459.6
490.0	0.55	0.53	34.91	28.02	10.7	0.302	1459.7
510.0	0.51	0.48	34.91	28.02	10.3	0.304	1459.8
530.0	0.45	0.43	34.90	28.02	10.4	0.306	1459.9
550.0	0.41	0.38	34.91	28.03	9.7	0.308	1460.0
570.0	0.36	0.34	34.91	28.03	9.3	0.310	1460.2
590.0	0.31	0.29	34.91	28.04	8.8	0.312	1460.3
610.0	0.27	0.24	34.91	28.04	8.9	0.314	1460.4
630.0	0.23	0.21	34.91	28.04	8.4	0.316	1460.6
650.0	0.18	0.15	34.91	28.04	8.0	0.317	1460.7
670.0	0.15	0.12	34.91	28.05	7.7	0.319	1460.9
690.0	0.09	0.06	34.91	28.05	7.3	0.320	1460.9
701.3	0.07	0.04	34.92	28.06	6.7	0.321	1461.1

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.9	-1.74	31.66
BOT NUM = 2	36.7	-1.75	
BOT NUM = 3	390.9	0.70	34.88
BOT NUM = 4	700.4	0.08	34.90

FRAM 1 STATION 12(1) CTD 5/APR/1979 700 GMT CODE = 1
LAT = 84 6387N LNG = 9 2823W LTER = 10 LGER = 14
AIR TEMP = -30.3 BAROM = 1035.7 WIND = 140.0 SPEED = 2.1

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.68	25.51	248.2	0.000	1436.5
3.0	-1.74	-1.74	31.68	25.51	248.2	0.007	1436.5
5.0	-1.74	-1.74	31.67	25.50	248.8	0.012	1436.5
10.0	-1.74	-1.74	31.67	25.50	249.0	0.025	1436.6
15.0	-1.74	-1.74	31.67	25.50	248.7	0.038	1436.7
20.0	-1.74	-1.74	31.67	25.50	248.6	0.050	1436.8
25.0	-1.73	-1.73	31.68	25.50	248.5	0.063	1436.9
30.0	-1.74	-1.74	31.67	25.50	248.7	0.075	1436.9
35.0	-1.73	-1.74	31.67	25.50	249.0	0.088	1437.0
40.0	-1.74	-1.74	31.69	25.50	248.3	0.100	1437.1
45.0	-1.72	-1.72	32.15	25.89	211.9	0.112	1437.9
50.0	-1.70	-1.70	32.34	26.04	197.6	0.122	1438.4
55.0	-1.69	-1.69	32.44	26.12	189.4	0.132	1438.6
60.0	-1.77	-1.77	32.53	26.19	182.6	0.141	1438.5
65.0	-1.70	-1.70	32.61	26.26	176.0	0.150	1439.0
70.0	-1.69	-1.69	32.70	26.33	169.7	0.159	1439.3
80.0	-1.56	-1.56	32.94	26.52	151.4	0.175	1440.4
90.0	-1.51	-1.51	33.23	26.76	128.9	0.189	1441.2
100.0	-1.51	-1.51	33.53	27.00	106.1	0.201	1441.8
110.0	-1.52	-1.52	33.82	27.24	83.5	0.211	1442.3
120.0	-1.48	-1.48	34.00	27.38	70.1	0.218	1442.9
130.0	-1.43	-1.44	34.13	27.48	60.3	0.225	1443.5
140.0	-1.35	-1.35	34.22	27.55	53.6	0.231	1444.2
150.0	-1.21	-1.21	34.32	27.63	46.4	0.236	1445.1
160.0	-1.11	-1.11	34.37	27.67	42.6	0.240	1445.8
170.0	-0.94	-0.94	34.43	27.71	39.2	0.244	1446.9
180.0	-0.83	-0.83	34.46	27.73	37.1	0.248	1447.6
190.0	-0.62	-0.63	34.53	27.78	32.4	0.252	1448.8
200.0	-0.53	-0.53	34.56	27.80	30.6	0.255	1449.5
210.0	-0.43	-0.43	34.60	27.83	28.0	0.258	1450.2
220.0	-0.29	-0.30	34.63	27.85	26.3	0.261	1451.0
230.0	-0.17	-0.18	34.66	27.86	24.6	0.263	1451.8
240.0	-0.06	-0.07	34.70	27.89	22.6	0.266	1452.5
250.0	0.08	0.07	34.73	27.91	20.9	0.268	1453.3
260.0	0.23	0.22	34.77	27.93	18.4	0.270	1454.2
270.0	0.33	0.32	34.80	27.95	17.2	0.272	1454.9
280.0	0.34	0.33	34.81	27.95	16.8	0.273	1455.1
290.0	0.37	0.36	34.81	27.95	16.6	0.275	1455.4
300.0	0.46	0.45	34.83	27.97	15.4	0.277	1456.0
310.0	0.53	0.51	34.85	27.97	14.8	0.278	1456.5
320.0	0.59	0.57	34.86	27.98	14.1	0.280	1457.0
330.0	0.60	0.58	34.86	27.98	14.1	0.281	1457.2
340.0	0.61	0.59	34.87	27.98	14.0	0.282	1457.4
350.0	0.65	0.63	34.88	27.99	13.4	0.284	1457.8
370.0	0.71	0.70	34.89	27.99	13.1	0.286	1458.4
390.0	0.73	0.72	34.90	28.00	12.5	0.289	1458.8
410.0	0.71	0.69	34.90	28.00	12.6	0.292	1459.1
430.0	0.66	0.64	34.90	28.01	12.0	0.294	1459.2
450.0	0.65	0.63	34.91	28.01	11.5	0.296	1459.5
470.0	0.64	0.61	34.91	28.02	11.2	0.299	1459.7
490.0	0.57	0.54	34.91	28.02	10.9	0.301	1459.8
510.0	0.52	0.49	34.91	28.02	10.5	0.303	1459.9
530.0	0.46	0.43	34.91	28.03	10.1	0.305	1459.9
550.0	0.42	0.39	34.91	28.03	9.8	0.307	1460.1
570.0	0.37	0.35	34.91	28.03	9.3	0.309	1460.2
590.0	0.32	0.30	34.91	28.04	8.9	0.311	1460.3
610.0	0.28	0.26	34.90	28.03	9.2	0.313	1460.5
630.0	0.24	0.22	34.91	28.04	8.8	0.315	1460.6
650.0	0.19	0.17	34.91	28.04	8.1	0.316	1460.7
670.0	0.15	0.13	34.91	28.04	8.2	0.318	1460.9
690.0	0.11	0.08	34.91	28.05	7.7	0.320	1461.0
702.0	0.09	0.06	34.91	28.05	7.5	0.321	1461.1

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.9	-1.74	31.67
BOT NUM = 2	36.2	-1.75	31.67
BOT NUM = 3	394.7	0.73	34.89
BOT NUM = 4	702.1	0.09	34.90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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
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800
M1 11 -1
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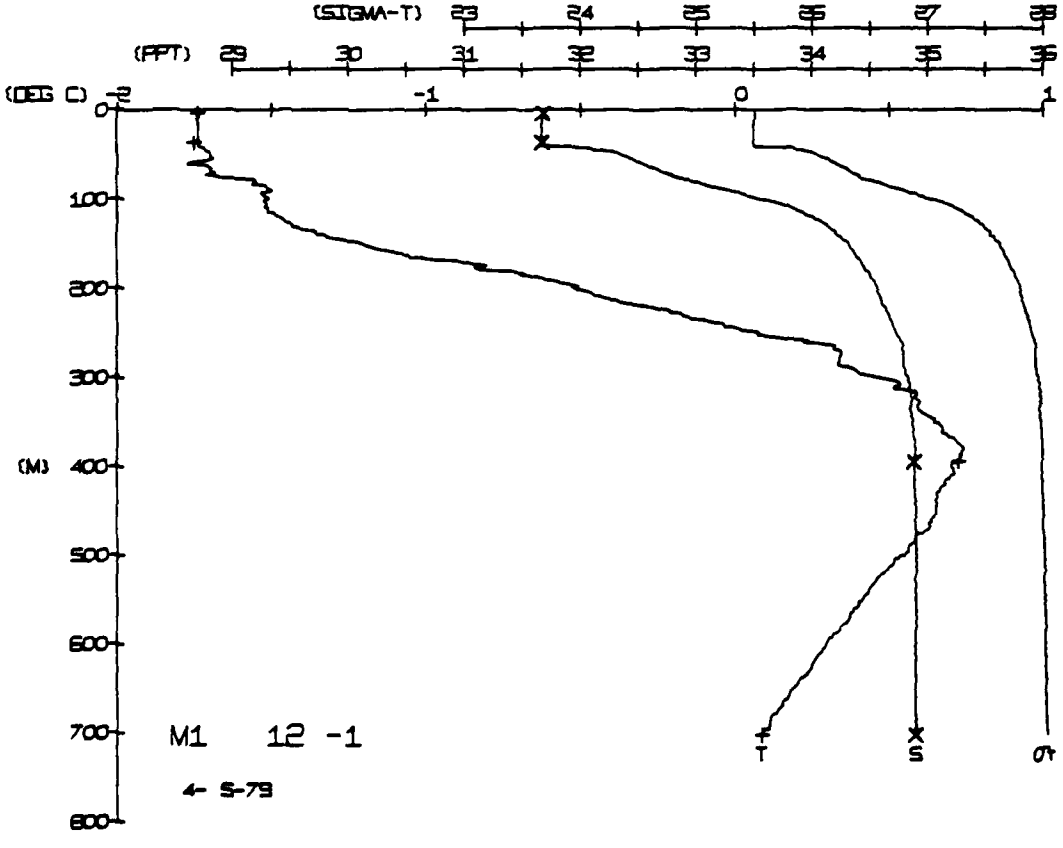
T
S
O


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
500
600
700
800
M1 12 -1
4- 5-79
T
S
O

FRAM 1 STATION 13(1) CTD 5/APR/1979 1835 GMT CODE = 1
LAT = 84 6364N LNG = 9 2505W LTER = 106 LGER = 124
AIR TEMP = -30 3 BAROM = 1033 4 WIND = 140 0 SPEED = 2 1

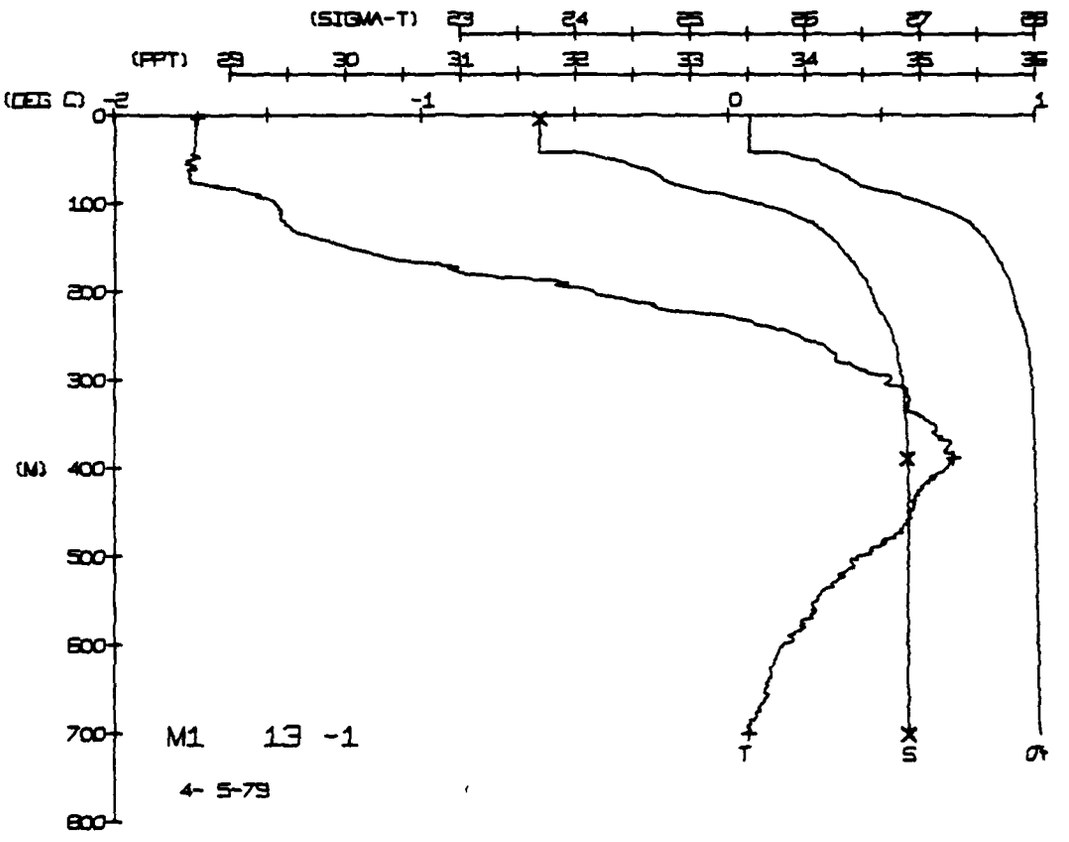
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.69	25.52	247.3	0.000	1436.5
3.1	-1.73	-1.73	31.69	25.52	247.2	0.008	1436.5
5.0	-1.74	-1.74	31.70	25.52	247.1	0.012	1436.5
10.0	-1.74	-1.74	31.70	25.52	247.0	0.025	1436.6
15.0	-1.74	-1.74	31.69	25.52	247.3	0.037	1436.7
20.0	-1.74	-1.74	31.68	25.51	248.0	0.050	1436.8
25.0	-1.74	-1.74	31.69	25.52	247.4	0.062	1436.9
30.0	-1.74	-1.74	31.69	25.52	247.3	0.075	1437.0
35.0	-1.74	-1.74	31.68	25.51	247.8	0.087	1437.0
40.0	-1.74	-1.74	31.69	25.51	247.6	0.100	1437.1
45.0	-1.74	-1.74	32.11	25.86	214.8	0.111	1437.8
50.0	-1.72	-1.72	32.27	25.99	202.4	0.122	1438.2
55.0	-1.76	-1.76	32.45	26.14	188.3	0.132	1438.3
60.0	-1.75	-1.75	32.55	26.21	181.0	0.141	1438.6
65.0	-1.76	-1.76	32.65	26.29	173.1	0.150	1438.8
70.0	-1.76	-1.76	32.74	26.36	166.4	0.158	1439.0
80.0	-1.70	-1.70	32.89	26.48	155.0	0.175	1439.6
90.0	-1.54	-1.54	33.26	26.78	126.9	0.189	1441.1
100.0	-1.48	-1.48	33.56	27.03	103.6	0.200	1442.0
110.0	-1.46	-1.46	33.82	27.23	84.3	0.210	1442.6
120.0	-1.46	-1.46	34.01	27.39	69.4	0.218	1443.0
130.0	-1.43	-1.43	34.13	27.48	60.0	0.224	1443.5
140.0	-1.34	-1.35	34.24	27.57	52.0	0.230	1444.2
150.0	-1.25	-1.25	34.31	27.62	47.3	0.235	1444.9
160.0	-1.14	-1.15	34.37	27.67	43.0	0.239	1445.7
170.0	-0.95	-0.95	34.43	27.71	39.0	0.244	1446.8
180.0	-0.87	-0.87	34.47	27.74	35.9	0.247	1447.4
190.0	-0.55	-0.56	34.54	27.78	32.3	0.251	1449.2
200.0	-0.45	-0.46	34.57	27.80	30.4	0.254	1449.8
210.0	-0.33	-0.34	34.60	27.82	28.8	0.257	1450.6
220.0	-0.23	-0.24	34.64	27.85	26.1	0.260	1451.3
230.0	0.01	0.00	34.69	27.88	23.4	0.262	1452.6
240.0	0.12	0.11	34.73	27.91	20.9	0.264	1453.4
250.0	0.23	0.22	34.76	27.92	19.3	0.266	1454.0
260.0	0.30	0.29	34.79	27.94	17.5	0.268	1454.6
270.0	0.34	0.33	34.80	27.95	17.0	0.270	1454.9
280.0	0.36	0.34	34.80	27.95	17.2	0.272	1455.2
290.0	0.45	0.44	34.83	27.97	15.5	0.273	1455.8
300.0	0.53	0.52	34.85	27.98	14.3	0.275	1456.4
310.0	0.58	0.57	34.86	27.98	14.0	0.276	1456.8
320.0	0.59	0.58	34.87	27.98	13.9	0.278	1457.0
330.0	0.59	0.57	34.86	27.98	13.9	0.279	1457.1
340.0	0.62	0.61	34.87	27.99	13.5	0.281	1457.5
350.0	0.66	0.64	34.88	27.99	13.1	0.282	1457.8
370.0	0.73	0.71	34.89	28.00	12.9	0.285	1458.5
390.0	0.73	0.71	34.90	28.00	12.5	0.287	1458.8
410.0	0.66	0.64	34.90	28.00	12.2	0.290	1458.8
430.0	0.62	0.60	34.90	28.01	11.6	0.292	1459.0
450.0	0.59	0.57	34.90	28.01	11.3	0.294	1459.2
470.0	0.56	0.54	34.91	28.02	10.7	0.297	1459.4
490.0	0.48	0.45	34.90	28.02	10.7	0.299	1459.3
510.0	0.40	0.38	34.90	28.02	10.2	0.301	1459.3
530.0	0.31	0.32	34.90	28.03	9.9	0.303	1459.4
550.0	0.29	0.27	34.90	28.03	9.7	0.305	1459.5
570.0	0.27	0.25	34.90	28.03	9.0	0.307	1459.7
590.0	0.19	0.17	34.90	28.03	8.9	0.309	1459.7
610.0	0.16	0.13	34.90	28.04	8.6	0.310	1459.9
630.0	0.14	0.11	34.90	28.04	8.3	0.312	1460.1
650.0	0.12	0.09	34.91	28.05	7.7	0.314	1460.4
670.0	0.11	0.08	34.90	28.04	8.1	0.315	1460.7
690.0	0.07	0.04	34.91	28.05	7.4	0.317	1460.8
702.4	0.05	0.02	34.92	28.06	6.3	0.318	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.9	-1.73	31.69
BOT NUM = 2	389.5	0.74	34.89
BOT NUM = 3	701.1	0.06	34.90

FRAM 1 STATION 14(1) CTD 6/APR/1979 707 GMT CODE = 1
LAT = 84 6375N LNG = 9 1840W LTER = 0 LGER = 0
AIR TEMP = -30 9 BAROM = 1031 4 WIND = 145 0 SPEED = 2 2

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.72	-1.72	31.70	25.52	247.3	0.000	1436.5
3.0	-1.72	-1.72	31.70	25.52	247.2	0.007	1436.6
5.0	-1.73	-1.73	31.70	25.53	246.6	0.012	1436.6
10.0	-1.74	-1.74	31.69	25.52	247.4	0.025	1436.6
15.0	-1.74	-1.74	31.69	25.51	247.7	0.037	1436.7
20.0	-1.74	-1.74	31.69	25.51	247.6	0.050	1436.8
25.0	-1.74	-1.74	31.69	25.51	247.7	0.062	1436.9
30.0	-1.74	-1.74	31.69	25.51	247.5	0.075	1437.0
35.0	-1.74	-1.74	31.68	25.51	247.7	0.087	1437.0
40.0	-1.74	-1.74	31.69	25.51	247.5	0.100	1437.1
45.0	-1.73	-1.73	31.89	25.68	231.4	0.112	1437.5
50.0	-1.75	-1.75	32.24	25.96	204.9	0.123	1438.0
55.0	-1.75	-1.75	32.38	26.08	193.7	0.133	1438.3
60.0	-1.72	-1.73	32.52	26.18	183.6	0.142	1438.7
65.0	-1.70	-1.70	32.62	26.27	175.6	0.151	1439.0
70.0	-1.68	-1.68	32.70	26.33	169.7	0.160	1439.3
80.0	-1.63	-1.63	32.95	26.53	150.4	0.176	1440.1
90.0	-1.53	-1.53	33.31	26.82	123.0	0.190	1441.2
100.0	-1.48	-1.49	33.57	27.03	103.2	0.201	1442.0
110.0	-1.47	-1.47	33.81	27.22	84.8	0.211	1442.5
120.0	-1.46	-1.46	33.99	27.37	70.7	0.219	1443.0
130.0	-1.44	-1.44	34.12	27.47	61.3	0.225	1443.4
140.0	-1.32	-1.33	34.23	27.56	53.1	0.231	1444.3
150.0	-1.22	-1.23	34.30	27.61	48.0	0.236	1445.0
160.0	-1.14	-1.14	34.36	27.66	43.6	0.241	1445.7
170.0	-0.99	-0.99	34.42	27.71	39.1	0.245	1446.6
180.0	-0.84	-0.85	34.48	27.75	35.5	0.249	1447.6
190.0	-0.73	-0.73	34.51	27.77	33.5	0.252	1448.3
200.0	-0.49	-0.50	34.56	27.80	30.8	0.255	1449.6
210.0	-0.26	-0.27	34.61	27.82	28.4	0.258	1450.9
220.0	-0.12	-0.13	34.65	27.85	25.7	0.261	1451.8
230.0	-0.01	-0.01	34.68	27.87	24.0	0.264	1452.5
240.0	0.10	0.09	34.72	27.90	21.9	0.266	1453.2
250.0	0.22	0.21	34.76	27.92	19.6	0.268	1454.0
260.0	0.31	0.30	34.79	27.94	17.9	0.270	1454.6
270.0	0.33	0.32	34.79	27.94	17.5	0.272	1454.9
280.0	0.39	0.38	34.81	27.95	16.6	0.274	1455.4
290.0	0.49	0.47	34.84	27.97	14.9	0.275	1456.0
300.0	0.48	0.47	34.85	27.97	14.7	0.277	1456.1
310.0	0.48	0.46	34.81	27.97	14.9	0.278	1456.3
320.0	0.49	0.47	34.85	27.98	14.7	0.280	1456.5
330.0	0.56	0.54	34.86	27.98	14.4	0.281	1457.0
340.0	0.56	0.55	34.87	27.99	13.6	0.282	1457.2
350.0	0.58	0.56	34.87	27.99	13.6	0.284	1457.4
370.0	0.57	0.55	34.87	27.99	13.3	0.287	1457.7
390.0	0.59	0.57	34.88	28.00	12.7	0.289	1458.2
410.0	0.54	0.53	34.88	28.00	12.3	0.292	1458.3
430.0	0.53	0.51	34.89	28.01	12.0	0.294	1458.6
450.0	0.51	0.49	34.89	28.01	11.5	0.297	1458.8
470.0	0.47	0.45	34.89	28.01	11.4	0.299	1459.0
490.0	0.43	0.41	34.89	28.02	10.8	0.301	1459.1
510.0	0.37	0.35	34.89	28.02	10.6	0.303	1459.2
530.0	0.32	0.30	34.89	28.02	10.3	0.305	1459.3
550.0	0.29	0.26	34.89	28.03	9.9	0.307	1459.5
570.0	0.25	0.22	34.90	28.03	9.5	0.309	1459.6
590.0	0.20	0.18	34.90	28.03	9.0	0.311	1459.8
610.0	0.17	0.14	34.90	28.04	8.7	0.313	1460.0
630.0	0.15	0.12	34.90	28.04	8.6	0.315	1460.2
650.0	0.13	0.10	34.90	28.04	8.1	0.316	1460.4
670.0	0.09	0.06	34.90	28.04	8.0	0.318	1460.6
690.0	0.07	0.04	34.90	28.05	7.7	0.320	1460.8
702.4	0.05	0.02	34.92	28.06	6.2	0.321	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	4.4	-1.71	31.69
BOT NUM = 2	37.0	-1.75	31.68
BOT NUM = 3	389.3	0.60	34.88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(PPT)
(DEG C)
(M)
M1 13 -1
4- 5-79
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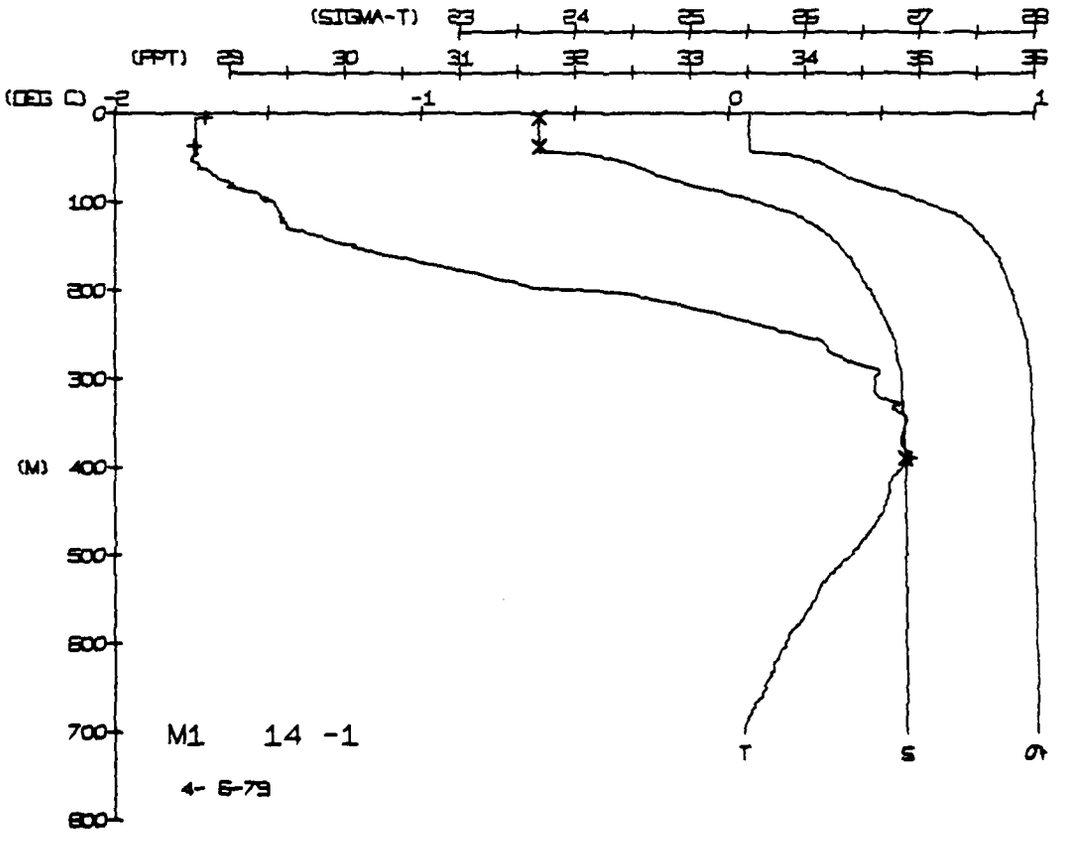
S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(PPT)
(DEG C)
(M)
M1 14 -1
4- 6-79
T
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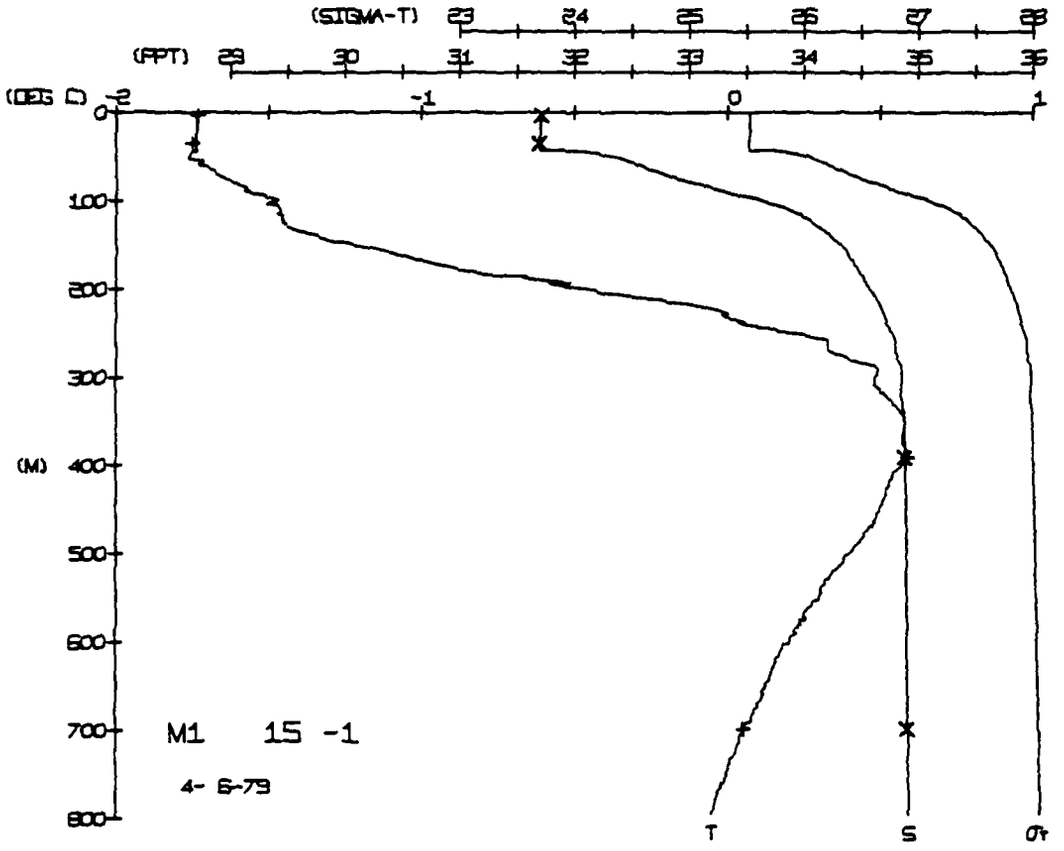
FRAM 1 STATION 15(1) CTD 6/APR/1979 1833 GMT CODE = 1
LAT = 84 6383N LNG = 9.1456W LTER = 1. LGER = 2.
AIR TEMP = -26.6 BAROM = 1029.8 WIND = 175.0 SPEED = 3.1

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.71	25.53	246.2	0.000	1436.5
3.0	-1.74	-1.74	31.71	25.53	246.2	0.007	1436.5
5.0	-1.74	-1.74	31.71	25.53	246.0	0.012	1436.6
10.0	-1.74	-1.74	31.70	25.53	246.4	0.025	1436.6
15.0	-1.74	-1.74	31.70	25.52	246.7	0.037	1436.7
20.0	-1.74	-1.74	31.70	25.52	246.7	0.050	1436.8
25.0	-1.74	-1.74	31.70	25.52	246.8	0.062	1436.9
30.0	-1.74	-1.74	31.70	25.52	246.8	0.074	1437.0
35.0	-1.73	-1.74	31.69	25.52	247.0	0.087	1437.1
40.0	-1.74	-1.74	31.70	25.52	246.7	0.099	1437.1
45.0	-1.75	-1.75	32.04	25.80	220.1	0.111	1437.6
50.0	-1.76	-1.76	32.28	25.99	201.7	0.122	1438.0
55.0	-1.72	-1.72	32.44	26.12	189.6	0.132	1438.5
60.0	-1.73	-1.73	32.55	26.21	181.3	0.141	1438.7
65.0	-1.69	-1.69	32.64	26.28	174.3	0.150	1439.1
70.0	-1.67	-1.67	32.76	26.38	164.8	0.158	1439.4
80.0	-1.62	-1.62	32.98	26.56	147.7	0.174	1440.2
90.0	-1.56	-1.56	33.27	26.79	126.2	0.188	1441.0
100.0	-1.47	-1.47	33.63	27.08	98.4	0.199	1442.1
110.0	-1.46	-1.47	33.85	27.26	81.7	0.208	1442.6
120.0	-1.45	-1.46	34.00	27.38	69.9	0.216	1443.0
130.0	-1.43	-1.43	34.12	27.48	60.6	0.223	1443.5
140.0	-1.34	-1.35	34.22	27.56	53.2	0.228	1444.2
150.0	-1.23	-1.23	34.31	27.62	47.2	0.233	1445.0
160.0	-1.09	-1.09	34.38	27.67	42.1	0.238	1445.9
170.0	-0.97	-0.98	34.43	27.71	39.1	0.242	1446.7
180.0	-0.84	-0.85	34.47	27.74	36.0	0.246	1447.6
190.0	-0.61	-0.62	34.53	27.78	32.8	0.249	1448.9
200.0	-0.47	-0.48	34.57	27.80	30.4	0.253	1449.7
210.0	-0.30	-0.31	34.61	27.83	28.0	0.255	1450.7
220.0	-0.09	-0.10	34.66	27.86	25.4	0.258	1451.9
230.0	-0.01	-0.02	34.70	27.88	23.0	0.261	1452.5
240.0	0.05	0.04	34.72	27.90	21.6	0.263	1453.0
250.0	0.21	0.20	34.76	27.92	19.2	0.265	1453.9
260.0	0.33	0.32	34.79	27.94	17.5	0.267	1454.7
270.0	0.33	0.32	34.80	27.94	17.5	0.269	1454.9
280.0	0.40	0.39	34.81	27.95	16.6	0.270	1455.4
290.0	0.49	0.48	34.85	27.98	14.5	0.272	1456.0
300.0	0.48	0.47	34.85	27.98	14.5	0.273	1456.1
310.0	0.48	0.47	34.85	27.98	14.5	0.275	1456.3
320.0	0.51	0.50	34.86	27.98	14.1	0.276	1456.6
330.0	0.54	0.52	34.86	27.98	13.8	0.278	1456.9
340.0	0.56	0.55	34.87	27.99	13.2	0.279	1457.2
350.0	0.58	0.56	34.87	27.99	13.2	0.280	1457.4
370.0	0.57	0.55	34.88	27.99	13.0	0.283	1457.7
390.0	0.59	0.57	34.88	28.00	12.6	0.286	1458.2
410.0	0.54	0.52	34.88	28.00	12.2	0.288	1458.3
430.0	0.52	0.50	34.89	28.01	11.7	0.290	1458.5
450.0	0.50	0.48	34.89	28.01	11.3	0.293	1458.8
470.0	0.46	0.44	34.89	28.01	11.2	0.295	1458.9
490.0	0.42	0.40	34.90	28.02	10.6	0.297	1459.1
510.0	0.37	0.35	34.89	28.02	10.4	0.299	1459.2
530.0	0.32	0.30	34.89	28.02	10.1	0.301	1459.3
550.0	0.30	0.27	34.90	28.03	9.6	0.303	1459.5
570.0	0.24	0.22	34.90	28.04	8.9	0.305	1459.6
590.0	0.22	0.19	34.90	28.03	9.0	0.307	1459.8
610.0	0.18	0.15	34.90	28.04	8.4	0.309	1460.0
630.0	0.15	0.12	34.90	28.04	8.6	0.311	1460.2
650.0	0.12	0.09	34.90	28.04	8.3	0.312	1460.4
670.0	0.10	0.07	34.91	28.05	7.5	0.314	1460.6
690.0	0.08	0.05	34.91	28.05	7.6	0.315	1460.9
710.0	0.04	0.01	34.91	28.05	6.9	0.317	1461.0
730.0	0.02	-0.02	34.91	28.05	6.8	0.318	1461.3
750.0	-0.01	-0.04	34.91	28.06	6.5	0.320	1461.5
800.0	-0.06	-0.09	34.92	28.06	5.9	0.323	1462.1

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.5	-1.74	31.70
BOT NUM = 2	34.7	-1.75	31.69
BOT NUM = 3	390.7	0.59	34.87
BOT NUM = 4	698.6	0.05	34.90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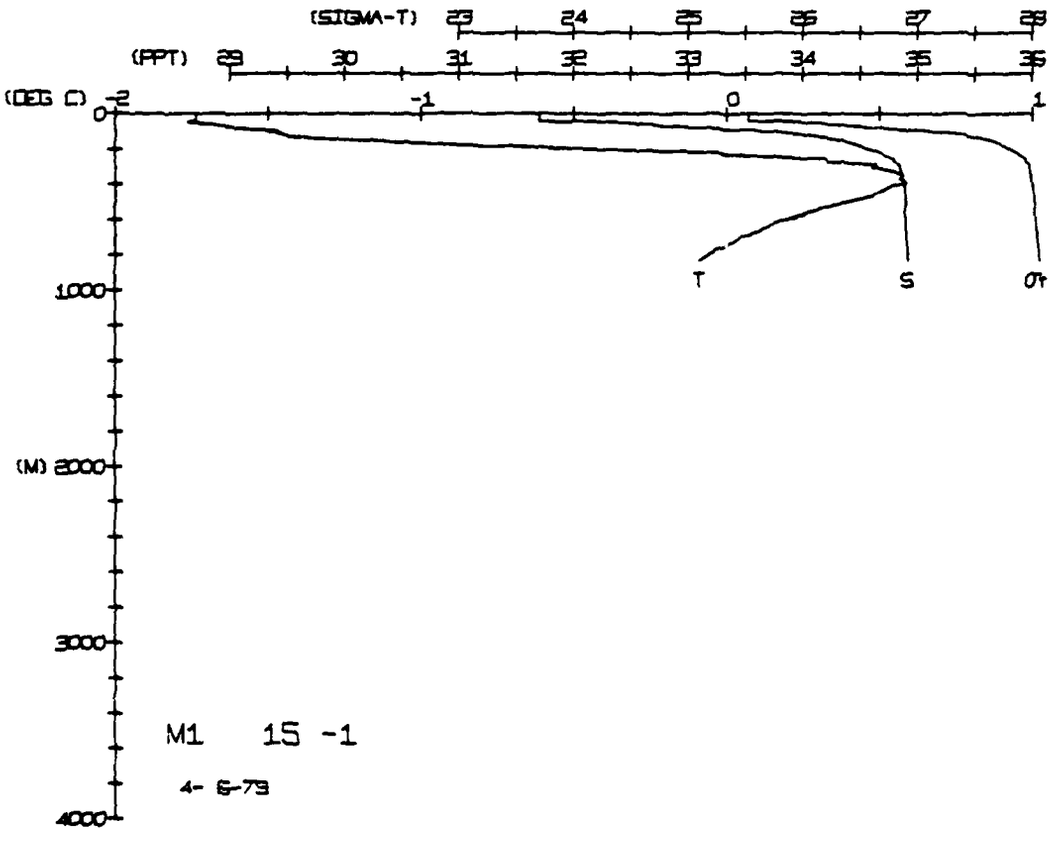
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
500
600
700
800
M1 15 -1
4- 6-79
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
1000
(M) 2000
3000
4000
M1 15 -1
4- 6-79
T
S
σT

FRAM 1 STATION 16(1) CTD 7/APR/1979 654 GMT CODE = 1
LAT = 84 6366N LNG = 9 1475W LTER = 1. LGER = 2.
AIR TEMP = -26 6 BAROM = 1028 3 WIND = 175.0 SPEED = 3 1

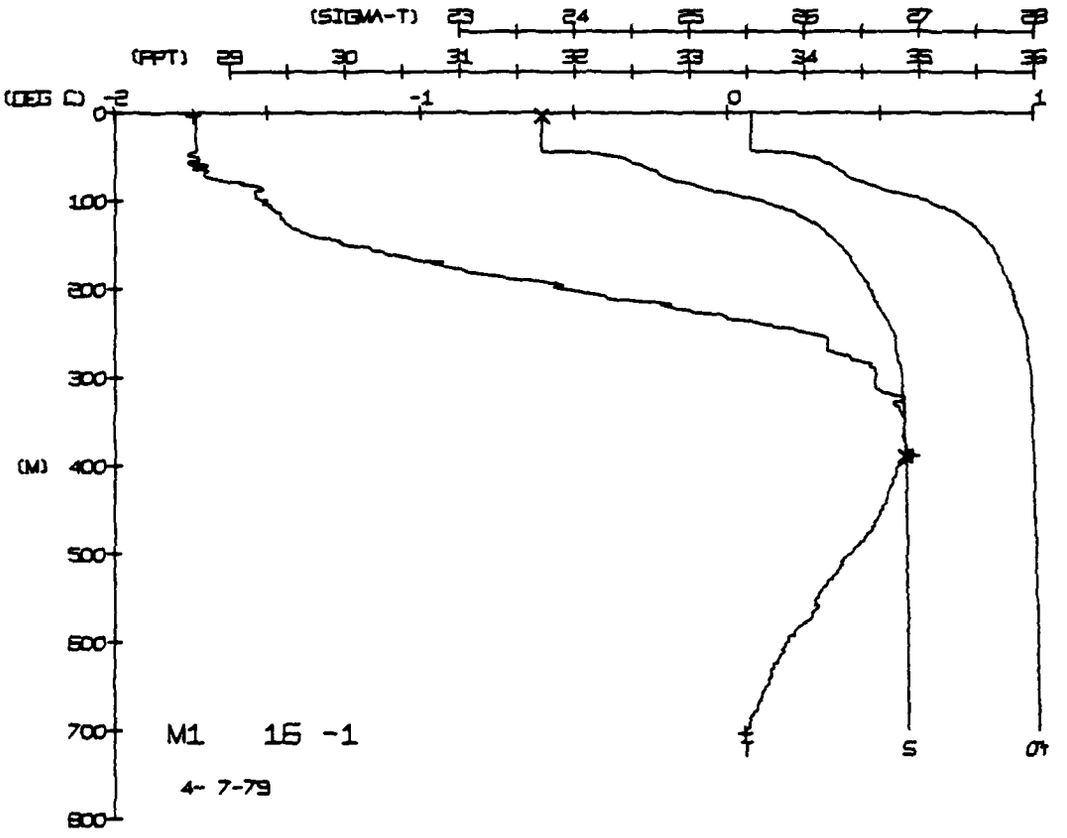
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.72	25.54	245.3	0.000	1436.5
3.1	-1.74	-1.74	31.72	25.54	245.3	0.008	1436.6
5.0	-1.74	-1.74	31.72	25.54	245.1	0.012	1436.6
10.0	-1.74	-1.74	31.72	25.54	245.5	0.025	1436.7
15.0	-1.74	-1.74	31.71	25.53	245.8	0.037	1436.7
20.0	-1.74	-1.74	31.71	25.53	245.8	0.049	1436.8
25.0	-1.74	-1.74	31.71	25.53	246.0	0.062	1436.9
30.0	-1.73	-1.74	31.71	25.53	246.1	0.074	1437.0
35.0	-1.74	-1.74	31.71	25.53	245.9	0.087	1437.1
40.0	-1.74	-1.74	31.71	25.53	245.9	0.099	1437.2
45.0	-1.74	-1.74	31.89	25.67	232.2	0.111	1437.5
50.0	-1.75	-1.75	32.32	26.03	198.6	0.122	1438.1
55.0	-1.73	-1.73	32.46	26.14	188.0	0.132	1438.5
60.0	-1.68	-1.68	32.58	26.23	178.9	0.141	1439.0
65.0	-1.75	-1.75	32.65	26.29	173.2	0.150	1438.8
70.0	-1.70	-1.71	32.72	26.35	168.0	0.158	1439.2
80.0	-1.58	-1.58	32.95	26.53	150.7	0.174	1440.3
90.0	-1.54	-1.54	33.22	26.75	130.0	0.189	1441.0
100.0	-1.53	-1.53	33.59	27.05	101.7	0.200	1441.8
110.0	-1.49	-1.49	33.82	27.23	83.9	0.210	1442.5
120.0	-1.46	-1.46	33.99	27.37	70.8	0.217	1443.0
130.0	-1.43	-1.43	34.13	27.49	59.8	0.224	1443.5
140.0	-1.36	-1.36	34.21	27.54	54.4	0.230	1444.1
150.0	-1.25	-1.26	34.30	27.61	48.0	0.235	1444.9
160.0	-1.12	-1.12	34.36	27.66	43.3	0.239	1445.8
170.0	-0.92	-0.93	34.42	27.70	39.8	0.244	1446.9
180.0	-0.87	-0.87	34.47	27.74	36.4	0.248	1447.4
190.0	-0.69	-0.69	34.52	27.77	33.4	0.251	1448.5
200.0	-0.55	-0.56	34.56	27.80	30.2	0.254	1449.4
210.0	-0.40	-0.40	34.60	27.83	28.1	0.257	1450.3
220.0	-0.22	-0.23	34.65	27.85	25.6	0.260	1451.3
230.0	-0.02	-0.03	34.69	27.88	23.5	0.262	1452.5
240.0	0.10	0.09	34.72	27.90	21.6	0.265	1453.2
250.0	0.25	0.24	34.77	27.92	19.3	0.267	1454.2
260.0	0.33	0.32	34.79	27.94	17.5	0.269	1454.7
270.0	0.32	0.31	34.80	27.94	17.4	0.270	1454.9
280.0	0.40	0.39	34.81	27.95	16.5	0.272	1455.4
290.0	0.48	0.47	34.84	27.97	15.1	0.274	1455.9
300.0	0.48	0.47	34.84	27.97	14.9	0.275	1456.1
310.0	0.48	0.47	34.85	27.98	14.6	0.277	1456.3
320.0	0.53	0.52	34.86	27.98	14.2	0.278	1456.7
330.0	0.54	0.52	34.86	27.98	14.0	0.280	1456.9
340.0	0.56	0.55	34.87	27.99	13.4	0.281	1457.2
350.0	0.58	0.56	34.87	27.99	13.5	0.282	1457.4
370.0	0.57	0.56	34.88	27.99	13.0	0.285	1457.8
390.0	0.59	0.57	34.88	28.00	12.6	0.288	1458.2
410.0	0.55	0.53	34.88	28.00	12.3	0.290	1458.3
430.0	0.52	0.50	34.89	28.01	11.9	0.293	1458.5
450.0	0.50	0.48	34.89	28.01	11.3	0.295	1458.8
470.0	0.47	0.45	34.89	28.01	11.5	0.297	1459.0
490.0	0.43	0.40	34.89	28.02	10.8	0.299	1459.1
510.0	0.37	0.35	34.90	28.02	10.3	0.302	1459.2
530.0	0.33	0.31	34.90	28.02	10.0	0.304	1459.3
550.0	0.29	0.27	34.90	28.03	9.6	0.306	1459.5
570.0	0.27	0.24	34.90	28.03	9.4	0.308	1459.7
590.0	0.22	0.19	34.90	28.03	9.0	0.309	1459.8
610.0	0.18	0.15	34.90	28.04	8.7	0.311	1460.0
630.0	0.14	0.12	34.90	28.04	8.3	0.313	1460.2
650.0	0.13	0.10	34.91	28.04	7.9	0.315	1460.4
670.0	0.10	0.07	34.91	28.04	7.8	0.316	1460.6
690.0	0.07	0.04	34.90	28.05	7.7	0.318	1460.8
700.1	0.06	0.03	34.92	28.06	6.8	0.318	1461.0

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.9	-1.75	31.71
BOT NUM = 2	390.0	0.60	34.87
BOT NUM = 3	703.5	0.05	

FRAM 1 STATION 17(1) CTD 7/APR/1979 1903 GMT CODE = 1
LAT = 84 6324N LNG = 9 1386W LTER = 0 LGER = 0.
AIR TEMP = -24 8 BAROM = 1030.0 WIND = 198 0 SPEED = 1.4

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.69	25.52	247.3	0.000	1436.5
3.0	-1.73	-1.73	31.69	25.52	247.3	0.007	1436.5
5.0	-1.73	-1.73	31.71	25.53	246.1	0.012	1436.6
10.0	-1.73	-1.73	31.71	25.53	245.7	0.025	1436.7
15.0	-1.73	-1.73	31.70	25.53	246.5	0.037	1436.7
20.0	-1.73	-1.73	31.71	25.53	246.1	0.050	1436.8
25.0	-1.73	-1.73	31.70	25.53	246.3	0.062	1436.9
30.0	-1.73	-1.73	31.71	25.53	246.0	0.074	1437.0
35.0	-1.73	-1.73	31.71	25.53	246.1	0.087	1437.1
40.0	-1.73	-1.73	31.71	25.53	245.8	0.099	1437.2
45.0	-1.76	-1.76	32.21	25.94	207.1	0.111	1437.8
50.0	-1.69	-1.69	32.42	26.10	191.3	0.121	1438.5
55.0	-1.74	-1.74	32.50	26.17	184.8	0.130	1438.5
60.0	-1.73	-1.73	32.59	26.24	178.3	0.139	1438.8
65.0	-1.73	-1.73	32.68	26.31	171.2	0.148	1438.9
70.0	-1.70	-1.70	32.74	26.37	166.1	0.157	1439.3
80.0	-1.63	-1.63	32.89	26.49	154.7	0.173	1440.0
90.0	-1.62	-1.63	33.22	26.75	129.8	0.187	1440.6
100.0	-1.50	-1.51	33.57	27.03	103.4	0.199	1441.9
110.0	-1.50	-1.50	33.83	27.24	82.8	0.208	1442.4
120.0	-1.47	-1.47	34.03	27.40	69.1	0.216	1443.0
130.0	-1.42	-1.43	34.14	27.49	59.3	0.222	1443.5
140.0	-1.35	-1.35	34.23	27.56	52.9	0.228	1444.2
150.0	-1.23	-1.24	34.29	27.61	48.1	0.233	1445.0
160.0	-1.13	-1.13	34.36	27.66	43.2	0.238	1445.7
170.0	-0.97	-0.98	34.44	27.72	38.3	0.242	1446.7
180.0	-0.68	-0.68	34.49	27.75	35.4	0.245	1448.4
190.0	-0.70	-0.71	34.51	27.77	33.5	0.249	1448.4
200.0	-0.51	-0.52	34.58	27.81	27.5	0.252	1449.6
210.0	-0.33	-0.34	34.62	27.84	27.3	0.255	1450.6
220.0	-0.23	-0.24	34.65	27.86	25.4	0.258	1451.3
230.0	-0.02	-0.02	34.69	27.88	23.4	0.260	1452.5
240.0	0.10	0.09	34.73	27.90	21.2	0.262	1453.2
250.0	0.19	0.18	34.76	27.92	19.6	0.264	1453.9
260.0	0.32	0.31	34.80	27.94	17.3	0.266	1454.7
270.0	0.34	0.33	34.80	27.95	16.9	0.268	1454.9
280.0	0.41	0.40	34.82	27.96	16.3	0.270	1455.5
290.0	0.52	0.51	34.85	27.97	14.7	0.271	1456.2
300.0	0.52	0.50	34.85	27.98	14.5	0.273	1456.3
310.0	0.57	0.56	34.86	27.98	14.1	0.274	1456.7
320.0	0.59	0.58	34.86	27.98	14.1	0.276	1457.0
330.0	0.55	0.54	34.87	27.99	13.7	0.277	1457.0
340.0	0.57	0.56	34.87	27.99	13.1	0.278	1457.2
350.0	0.58	0.57	34.87	27.99	13.2	0.280	1457.5
370.0	0.58	0.56	34.89	27.99	13.0	0.282	1457.8
390.0	0.57	0.56	34.89	28.00	12.7	0.285	1458.1
410.0	0.53	0.51	34.89	28.01	11.9	0.287	1458.2
430.0	0.52	0.50	34.89	28.01	11.5	0.290	1458.5
450.0	0.50	0.48	34.89	28.01	11.4	0.292	1458.8
470.0	0.47	0.45	34.89	28.02	11.0	0.294	1459.0
490.0	0.41	0.39	34.90	28.02	10.6	0.297	1459.0
510.0	0.37	0.35	34.90	28.02	10.3	0.299	1459.2
530.0	0.34	0.31	34.90	28.02	10.1	0.301	1459.4
550.0	0.31	0.28	34.90	28.03	9.4	0.303	1459.6
570.0	0.26	0.24	34.90	28.03	9.1	0.305	1459.7
590.0	0.20	0.18	34.90	28.04	8.8	0.306	1459.8
610.0	0.18	0.15	34.90	28.04	8.6	0.308	1460.0
630.0	0.15	0.12	34.90	28.04	8.6	0.310	1460.2
650.0	0.13	0.10	34.90	28.04	8.2	0.312	1460.4
670.0	0.10	0.07	34.90	28.04	7.8	0.313	1460.6
690.0	0.06	0.03	34.91	28.05	7.3	0.315	1460.8
698.3	0.06	0.03	34.91	28.05	7.6	0.315	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	4.1		31.72
BOT NUM = 2	35.1	-1.72	
BOT NUM = 3	390.7	0.58	34.88
BOT NUM = 4	701.2	0.05	34.90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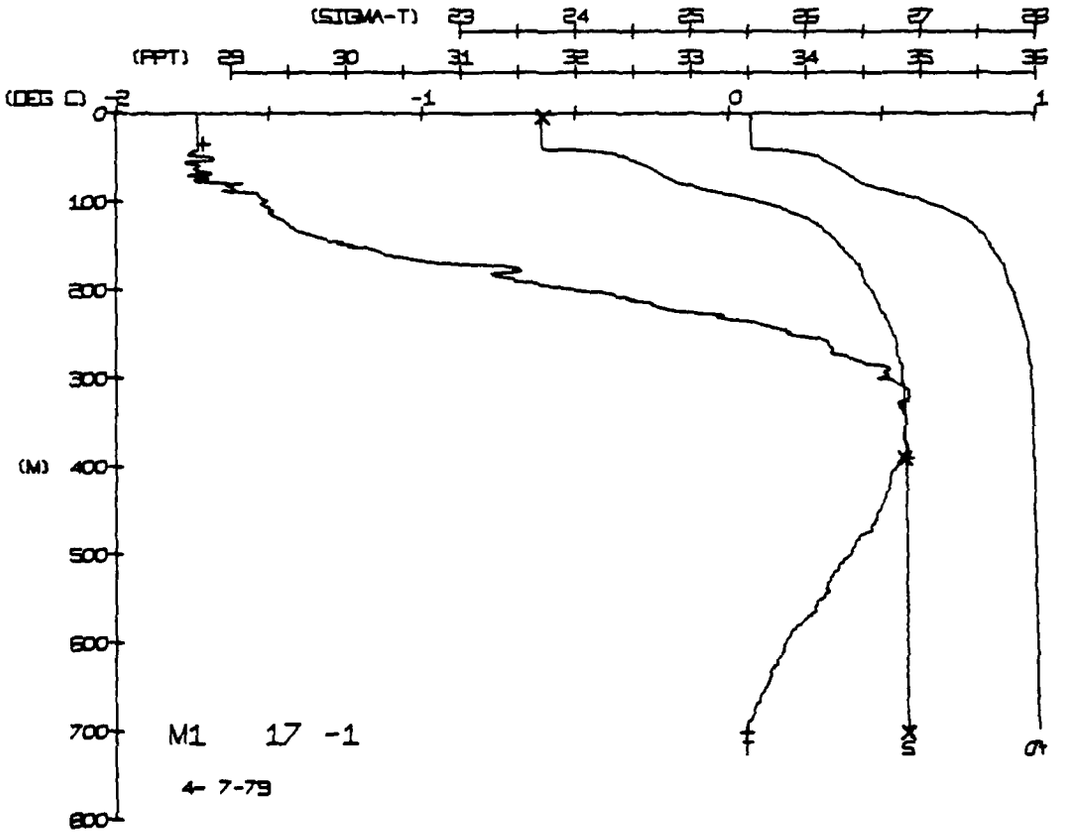
(PPT)
(DEG C)
(M)
M1 15 -1
4- 7-79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(PPT)
(DEG C)
(M)
M1 17 -1
4- 7-79

FRAM 1 STATION 18(1) CTD 8/APR/1979 707 GMT CODE = 1
LAT = 84 6221N LNG = 9 1320W LTER = 1. LGER = 1.
AIR TEMP = -24 8 BAROM = 1034 0 WIND = 198.0 SPEED = 1.4

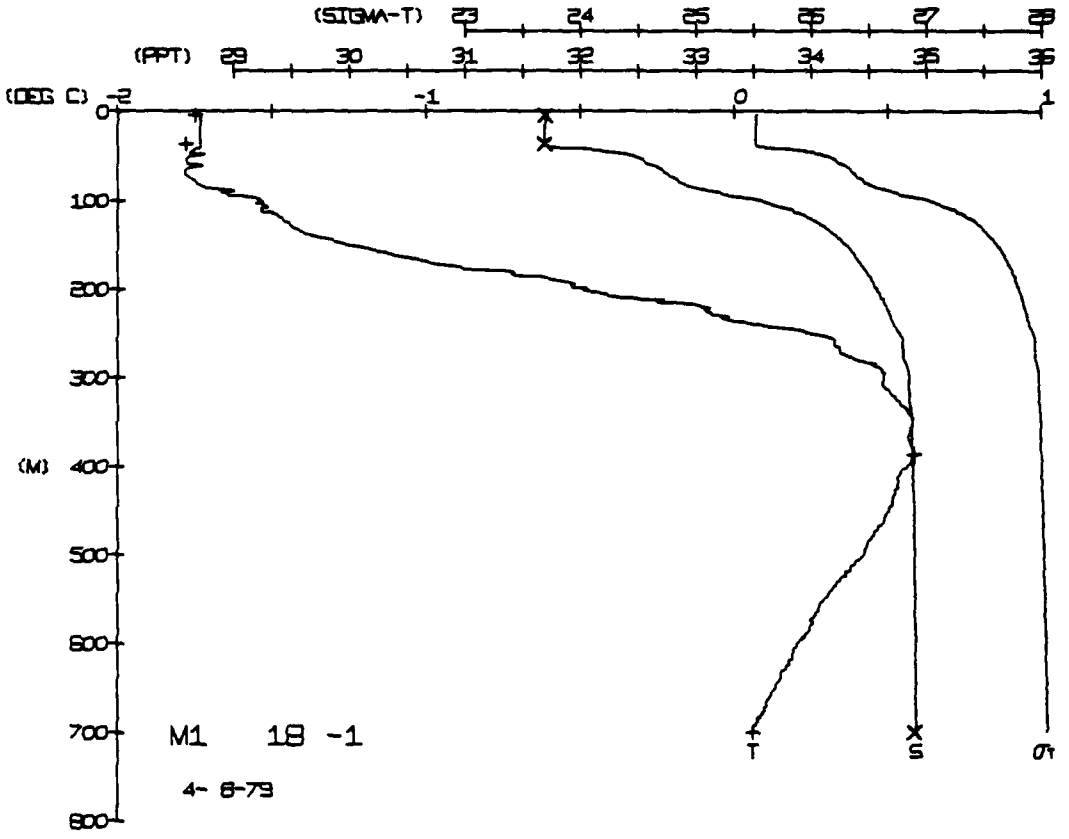
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.70	25.52	246.8	0.000	1436.5
3.0	-1.73	-1.73	31.70	25.52	246.7	0.007	1436.5
5.0	-1.73	-1.73	31.70	25.52	247.0	0.012	1436.6
10.0	-1.73	-1.73	31.69	25.52	247.3	0.025	1436.6
15.0	-1.73	-1.73	31.69	25.52	247.4	0.037	1436.7
20.0	-1.73	-1.73	31.69	25.52	247.3	0.050	1436.8
25.0	-1.73	-1.73	31.69	25.51	247.5	0.062	1436.9
30.0	-1.73	-1.73	31.69	25.52	247.2	0.075	1437.0
35.0	-1.73	-1.73	31.70	25.52	246.9	0.087	1437.1
40.0	-1.73	-1.73	31.71	25.53	245.7	0.100	1437.2
45.0	-1.76	-1.76	32.20	25.93	208.3	0.111	1437.8
50.0	-1.74	-1.74	32.41	26.10	191.5	0.121	1438.3
55.0	-1.78	-1.78	32.54	26.20	181.9	0.130	1438.4
60.0	-1.77	-1.77	32.60	26.25	177.0	0.139	1438.6
65.0	-1.78	-1.78	32.69	26.33	169.8	0.148	1438.8
70.0	-1.78	-1.78	32.74	26.37	166.[illegible]	0.157	1438.9
80.0	-1.75	-1.75	32.86	26.46	156.9	0.173	1439.4
90.0	-1.63	-1.63	33.11	26.66	137.9	0.188	1440.5
100.0	-1.54	-1.54	33.50	26.98	108.0	0.200	1441.6
110.0	-1.53	-1.54	33.77	27.20	87.3	0.210	1442.2
120.0	-1.47	-1.47	33.96	27.35	72.9	0.218	1442.9
130.0	-1.43	-1.44	34.11	27.47	61.4	0.225	1443.5
140.0	-1.37	-1.37	34.21	27.55	53.9	0.231	1444.1
150.0	-1.26	-1.26	34.29	27.61	48.5	0.236	1444.8
160.0	-1.13	-1.13	34.36	27.66	43.4	0.241	1445.7
170.0	-1.00	-1.00	34.42	27.70	39.7	0.245	1446.6
180.0	-0.77	-0.77	34.47	27.74	36.2	0.249	1447.9
190.0	-0.60	-0.61	34.52	27.77	33.4	0.252	1448.9
200.0	-0.48	-0.49	34.57	27.80	30.3	0.255	1449.7
210.0	-0.38	-0.39	34.60	27.82	28.3	0.258	1450.4
220.0	-0.11	-0.12	34.65	27.85	26.0	0.261	1451.8
230.0	-0.08	-0.09	34.68	27.87	23.9	0.264	1452.2
240.0	0.05	0.04	34.72	27.89	21.9	0.266	1453.0
250.0	0.23	0.22	34.76	27.92	19.3	0.268	1454.1
260.0	0.33	0.31	34.79	27.94	17.6	0.270	1454.7
270.0	0.34	0.33	34.80	27.94	17.5	0.272	1454.9
280.0	0.40	0.38	34.81	27.95	16.7	0.273	1455.4
290.0	0.47	0.46	34.84	27.97	15.1	0.275	1455.9
300.0	0.49	0.47	34.85	27.98	14.5	0.276	1456.2
310.0	0.49	0.47	34.84	27.97	14.7	0.278	1456.3
320.0	0.51	0.50	34.85	27.98	14.2	0.279	1456.6
330.0	0.54	0.53	34.86	27.98	14.1	0.281	1456.9
340.0	0.57	0.55	34.87	27.99	13.5	0.282	1457.2
350.0	0.58	0.56	34.87	27.99	13.2	0.283	1457.4
370.0	0.57	0.55	34.88	28.00	12.9	0.286	1457.7
390.0	0.58	0.56	34.89	28.00	12.3	0.289	1458.1
410.0	0.54	0.52	34.88	28.00	12.3	0.291	1458.3
430.0	0.52	0.50	34.89	28.01	11.9	0.294	1458.5
450.0	0.50	0.48	34.89	28.01	11.3	0.296	1458.8
470.0	0.47	0.45	34.89	28.01	11.1	0.298	1459.0
490.0	0.43	0.41	34.90	28.02	10.7	0.300	1459.1
510.0	0.39	0.36	34.90	28.02	10.2	0.303	1459.3
530.0	0.34	0.32	34.90	28.02	10.2	0.305	1459.4
550.0	0.29	0.27	34.90	28.03	9.4	0.307	1459.5
570.0	0.26	0.23	34.90	28.03	9.4	0.308	1459.7
590.0	0.23	0.21	34.90	28.03	9.2	0.310	1459.9
610.0	0.19	0.17	34.90	28.04	8.6	0.312	1460.1
630.0	0.16	0.13	34.90	28.04	8.4	0.314	1460.2
650.0	0.13	0.10	34.90	28.04	8.1	0.316	1460.4
670.0	0.10	0.07	34.91	28.04	7.8	0.317	1460.6
690.0	0.07	0.04	34.91	28.05	7.5	0.319	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	4.1	-1.75	31.69
BOT NUM = 2	36.5	-1.78	31.69
BOT NUM = 3	386.9	0.58	
BOT NUM = 4	700.1	0.06	34.90

FRAM 1 STATION 19(1) CTD 8/APR/1979 1933 GMT CODE = 1
LAT = 84 6023N LNG = 9 1785W LTER = 0 LGER = 0.
AIR TEMP = BAROM = 1040.7 WIND = 320 0 SPEED = 4 0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.71	25 53	246 4	0 000	1436.5
3.1	-1.73	-1.73	31.71	25 53	246.4	0 008	1436.5
5.0	-1 73	-1 73	31.71	25 53	246 1	0 012	1436.6
10.0	-1.73	-1.73	31.70	25.52	246 6	0 025	1436.7
15.0	-1.73	-1.73	31.70	25.53	246.6	0 037	1436.8
20.0	-1 73	-1.73	31.70	25 52	246.7	0 050	1436 8
25.0	-1 73	-1.73	31.70	25 52	246.9	0 062	1436.9
30.0	-1 73	-1 73	31.70	25.52	246 8	0 074	1437 0
35.0	-1.73	-1 73	31.70	25.52	246 8	0 087	1437 1
40.0	-1.74	-1 74	31.76	25.57	242.0	0 099	1437 2
45.0	-1.77	-1.77	32.30	26.01	200.0	0 110	1437 9
50.0	-1.78	-1.78	32.47	26.14	187.5	0 120	1438 2
55.0	-1.77	-1.77	32.56	26.22	179.9	0 129	1438.4
60.0	-1.78	-1.78	32.66	26.30	172 2	0 138	1438.6
65.0	-1.79	-1.79	32.70	26.34	169.1	0 147	1438.7
70.0	-1 78	-1 78	32.73	26 36	166.7	0 155	1438.9
80.0	-1.76	-1.76	32.84	26.44	158 7	0 172	1439 3
90.0	-1 69	-1.70	33.09	26.65	139 5	0 187	1440.1
100.0	-1.62	-1 62	33.48	26.97	109 3	0 199	1441.2
110.0	-1.56	-1 56	33.78	27.20	85.8	0 209	1442.1
120.0	-1.47	-1.47	33.97	27.36	72.0	0 217	1442.9
130.0	-1.44	-1 44	34.12	27.47	61.1	0 224	1443.4
140.0	-1.36	-1.37	34.21	27.54	54.6	0 230	1444.1
150.0	-1.27	-1 28	34.29	27 60	48.7	0 235	1444 8
160.0	-1.13	-1 13	34.37	27.66	43 1	0 240	1445 7
170.0	-0.96	-0 96	34.42	27.71	39 3	0 244	1446.8
180.0	-0.84	-0 84	34.47	27.74	36.0	0 248	1447.6
190.0	-0.58	-0.59	34.52	27.77	33.5	0 251	1449 0
200.0	-0.43	-0.44	34.57	27.80	30 2	0 254	1449 9
210.0	-0.36	-0.37	34.60	27.83	28.1	0 257	1450 4
220.0	-0.10	-0 11	34.65	27 85	25 9	0 260	1451 9
230.0	-0.07	-0.08	34.68	27 88	23.5	0 262	1452 2
240.0	0 10	0 09	34.72	27.89	21.9	0 265	1453 2
250.0	0.25	0 24	34.77	27.93	19.1	0 267	1454 1
260.0	0.32	0 31	34.79	27 94	17.5	0 269	1454 7
270.0	0 33	0.32	34.79	27 94	17.6	0 270	1454 9
280.0	0.39	0.37	34.81	27 95	16.6	0 272	1455 3
290.0	0.48	0 47	34 84	27 97	15 2	0 274	1455 9
300.0	0.48	0.47	34.85	27 98	14 5	0 275	1456.1
310.0	0.48	0.46	34.85	27 98	14.7	0 277	1456 3
320.0	0.52	0 51	34 85	27 98	14 2	0 278	1456 7
330.0	0.54	0 52	34 86	27 98	14.3	0 280	1456 9
340.0	0.57	0 55	34 87	27 99	13.5	0 281	1457 2
350.0	0.58	0.57	34.87	27 99	13.3	0 282	1457 5
370.0	0 57	0 55	34.87	27.99	13 4	0 285	1457 7
390.0	0.59	0.57	34 89	28 00	12 3	0 288	1458 2
410.0	0.56	0 54	34 88	28.00	12 5	0 290	1458 4
430.0	0 53	0 51	34 88	28.00	12 2	0 293	1458 6
450.0	0.51	0 49	34 89	28 01	11 5	0 295	1458 8
470.0	0 47	0.45	34 89	28 01	11 2	0 297	1459 0
490.0	0.43	0.41	34 89	28.01	11.1	0 300	1459 1
510.0	0.38	0.36	34.90	28.02	10.1	0.302	1459 2
530.0	0.34	0.31	34 89	28 02	10 2	0 304	1459 4
550.0	0 30	0 28	34 90	28 03	9 7	0 306	1459 5
570.0	0.26	0 23	34 90	28 03	9 2	0 308	1459 7
590.0	0 22	0 19	34 90	28 03	9 1	0 310	1459 8
610.0	0.18	0 15	34 90	28 03	8 9	0 311	1460 0
630.0	0.13	0 11	34 90	28 04	8 4	0 313	1460 1
650.0	0 11	0 08	34 90	28 04	8 2	0 315	1460 3
670.0	0 08	0 05	34 90	28 04	7 9	0 316	1460 5
690.0	0 06	0 03	34 90	28 05	7 7	0 318	1460 8
700.6	0.05	0.02	34.91	28 05	7 4	0 319	1460 9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.9		31.70
BOT NUM = 2	39 5	-1 73	
BOT NUM = 3	386.1	0 58	34 87
BOT NUM = 4	698.8	0 05	34 90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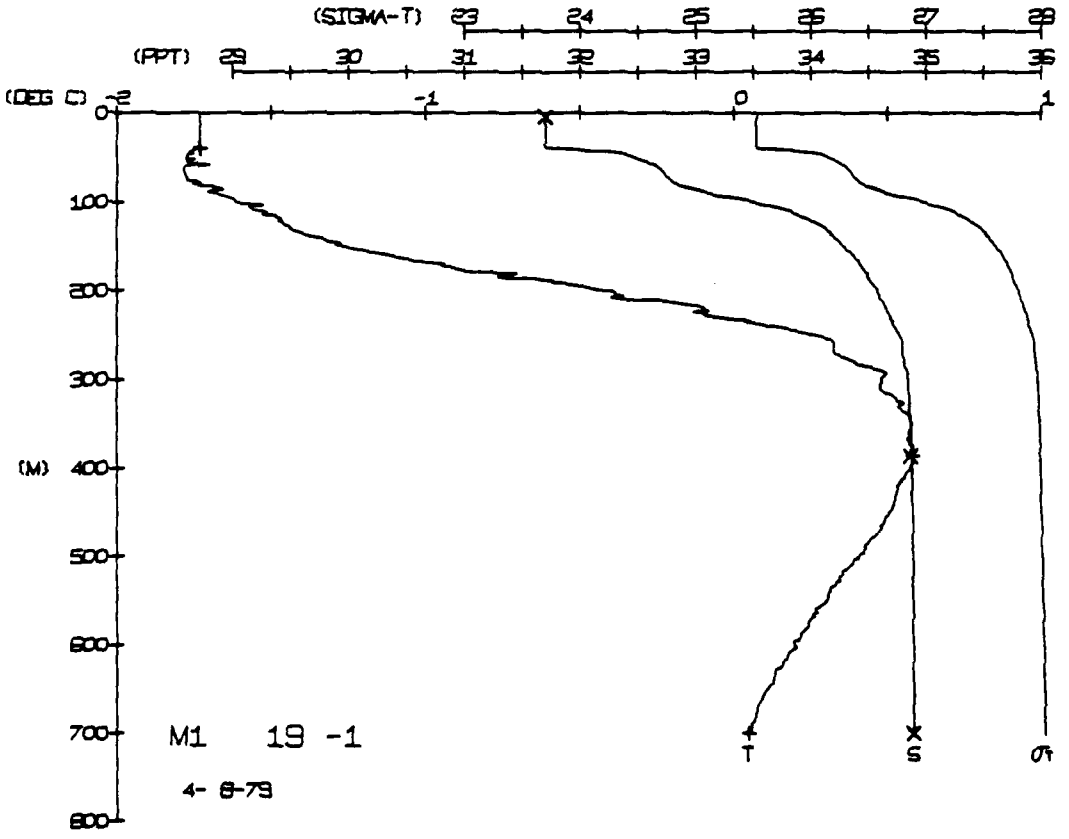
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(PPT) 29 30 31 32 33 34 35 36
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FRAM 1 STATION 20(1) CTD 9/APR/1979 725 GMT CODE = 1
LAT = 84.6006N LNG = 9.1814W LTER = 1. LGER = 1.
AIR TEMP = BAROM = 1043.6 WIND = 320.0 SPEED = 4.0

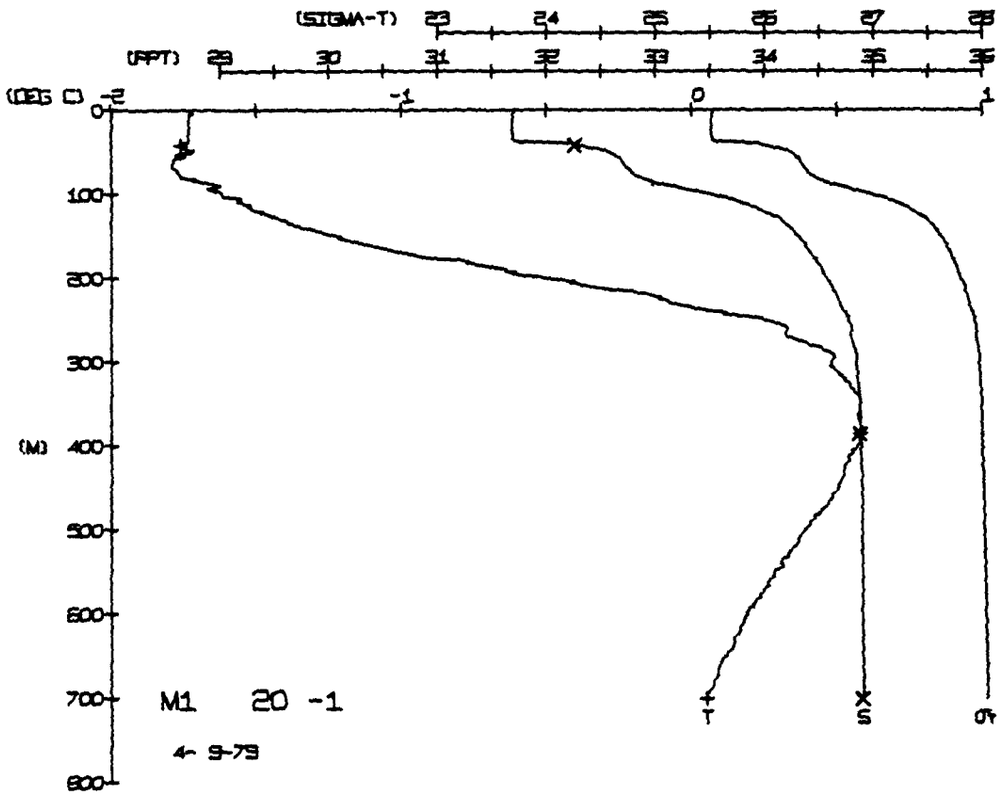
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.70	25.52	246.9	0.000	1436.5
3.0	-1.73	-1.73	31.70	25.52	246.9	0.007	1436.5
5.0	-1.73	-1.73	31.69	25.52	247.6	0.012	1436.6
10.0	-1.73	-1.73	31.69	25.51	247.9	0.025	1436.6
15.0	-1.73	-1.73	31.68	25.51	247.9	0.037	1436.7
20.0	-1.73	-1.73	31.68	25.51	247.9	0.050	1436.8
25.0	-1.73	-1.73	31.68	25.51	247.8	0.062	1436.9
30.0	-1.73	-1.73	31.69	25.52	247.4	0.075	1437.0
35.0	-1.73	-1.73	31.69	25.51	247.4	0.087	1437.1
40.0	-1.74	-1.74	31.84	25.64	235.7	0.099	1437.3
45.0	-1.76	-1.77	32.36	26.06	195.7	0.110	1438.0
50.0	-1.72	-1.72	32.55	26.21	181.0	0.120	1438.6
55.0	-1.78	-1.78	32.63	26.28	174.9	0.129	1438.5
60.0	-1.78	-1.79	32.69	26.32	170.2	0.137	1438.6
65.0	-1.79	-1.79	32.71	26.35	168.2	0.146	1438.7
70.0	-1.79	-1.79	32.74	26.37	166.2	0.154	1438.8
80.0	-1.76	-1.76	32.84	26.44	158.8	0.171	1439.3
90.0	-1.63	-1.64	33.09	26.64	139.7	0.186	1440.4
100.0	-1.62	-1.62	33.46	26.94	111.4	0.198	1441.2
110.0	-1.56	-1.56	33.75	27.18	88.9	0.209	1442.0
120.0	-1.51	-1.52	33.96	27.35	73.2	0.217	1442.7
130.0	-1.43	-1.43	34.13	27.48	60.3	0.223	1443.5
140.0	-1.35	-1.36	34.22	27.55	53.7	0.229	1444.2
150.0	-1.23	-1.24	34.29	27.61	48.2	0.234	1445.0
160.0	-1.14	-1.14	34.36	27.66	43.3	0.239	1445.7
170.0	-1.01	-1.02	34.41	27.70	40.0	0.243	1446.5
180.0	-0.80	-0.81	34.48	27.74	35.9	0.247	1447.8
190.0	-0.66	-0.66	34.52	27.77	32.9	0.251	1448.6
200.0	-0.51	-0.52	34.57	27.80	30.3	0.254	1449.5
210.0	-0.38	-0.39	34.61	27.83	27.9	0.257	1450.4
220.0	-0.18	-0.18	34.65	27.85	25.6	0.259	1451.5
230.0	-0.08	-0.09	34.69	27.88	23.4	0.262	1452.2
240.0	0.04	0.03	34.72	27.90	21.5	0.264	1453.0
250.0	0.24	0.23	34.77	27.92	19.1	0.266	1454.1
260.0	0.33	0.32	34.79	27.94	17.[illegible]	0.268	1454.7
270.0	0.33	0.32	34.79	27.94	17.6	0.270	1454.9
280.0	0.40	0.39	34.81	27.95	16.5	0.271	1455.4
290.0	0.48	0.47	34.84	27.97	15.1	0.273	1455.9
300.0	0.48	0.47	34.85	27.98	14.7	0.275	1456.1
310.0	0.49	0.47	34.85	27.98	14.7	0.276	1456.3
320.0	0.52	0.51	34.85	27.98	14.2	0.278	1456.7
330.0	0.54	0.53	34.86	27.98	14.2	0.279	1456.9
340.0	0.57	0.55	34.87	27.99	13.5	0.280	1457.2
350.0	0.58	0.56	34.88	27.99	13.0	0.282	1457.4
370.0	0.57	0.55	34.87	27.99	13.1	0.284	1457.7
390.0	0.58	0.57	34.89	28.00	12.3	0.287	1458.1
410.0	0.55	0.53	34.88	28.00	12.3	0.289	1458.3
430.0	0.52	0.50	34.89	28.01	11.7	0.292	1458.5
450.0	0.50	0.48	34.89	28.01	11.5	0.294	1458.8
470.0	0.47	0.44	34.89	28.01	11.1	0.296	1459.0
490.0	0.42	0.40	34.90	28.02	10.7	0.299	1459.1
510.0	0.37	0.35	34.90	28.02	10.2	0.301	1459.2
530.0	0.33	0.31	34.90	28.03	10.0	0.303	1459.3
550.0	0.29	0.26	34.90	28.03	9.6	0.305	1459.5
570.0	0.25	0.23	34.90	28.03	9.2	0.307	1459.7
590.0	0.21	0.18	34.90	28.03	9.0	0.309	1459.8
610.0	0.18	0.15	34.90	28.04	8.4	0.310	1460.0
630.0	0.15	0.12	34.91	28.04	8.1	0.312	1460.2
650.0	0.12	0.09	34.90	28.04	8.0	0.314	1460.4
670.0	0.09	0.06	34.90	28.05	7.8	0.315	1460.6
690.0	0.07	0.04	34.91	28.05	7.6	0.317	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.5		
BOT NUM = 2	43.1	-1.76	32.25
BOT NUM = 3	386.4	0.58	34.87
BOT NUM = 4	702.1	0.05	34.90

FRAM 1 STATION 21(1) CTD 9/APR/1979 1923 GMT CODE = 1
LAT = 84.5977N LNG = 9.1676W LTER = 0. LGER = 0.
AIR TEMP = -28.0 BAROM = 1044.6 WIND = 163.0 SPEED = 1.9

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.70	25.52	247.2	0.000	1436.5
3.0	-1.73	-1.73	31.70	25.52	247.2	0.007	1436.5
5.0	-1.73	-1.73	31.68	25.51	248.3	0.012	1436.5
10.0	-1.73	-1.73	31.69	25.51	247.8	0.025	1436.6
15.0	-1.73	-1.73	31.69	25.52	247.1	0.037	1436.7
20.0	-1.73	-1.73	31.69	25.52	247.2	0.050	1436.8
25.0	-1.73	-1.73	31.69	25.52	247.1	0.062	1436.9
30.0	-1.73	-1.73	31.69	25.52	247.2	0.075	1437.0
35.0	-1.73	-1.73	31.70	25.53	246.3	0.087	1437.1
40.0	-1.75	-1.75	32.10	25.84	216.0	0.099	1437.6
45.0	-1.77	-1.77	32.37	26.07	194.7	0.109	1438.0
50.0	-1.77	-1.77	32.55	26.21	181.2	0.119	1438.3
55.0	-1.78	-1.78	32.64	26.29	173.7	0.128	1438.5
60.0	-1.78	-1.78	32.69	26.33	170.2	0.136	1438.6
65.0	-1.79	-1.79	32.72	26.35	168.0	0.145	1438.7
70.0	-1.78	-1.78	32.75	26.37	165.5	0.153	1438.9
80.0	-1.76	-1.76	32.84	26.45	158.3	0.169	1439.3
90.0	-1.66	-1.66	33.11	26.66	139.1	0.184	1440.3
100.0	-1.62	-1.62	33.50	26.98	108.0	0.197	1441.2
110.0	-1.55	-1.55	33.78	27.20	87.0	0.207	1442.1
120.0	-1.51	-1.51	33.96	27.34	73.3	0.215	1442.7
130.0	-1.42	-1.43	34.12	27.48	60.7	0.221	1443.5
140.0	-1.34	-1.35	34.23	27.56	52.9	0.227	1444.2
150.0	-1.22	-1.23	34.30	27.62	47.6	0.232	1445.0
160.0	-1.11	-1.11	34.37	27.66	43.1	0.237	1445.8
170.0	-0.99	-0.99	34.42	27.70	39.3	0.241	1446.6
180.0	-0.84	-0.84	34.47	27.74	36.0	0.245	1447.6
190.0	-0.67	-0.68	34.53	27.78	32.6	0.248	1448.6
200.0	-0.50	-0.51	34.57	27.81	29.9	0.251	1449.6
210.0	-0.37	-0.38	34.61	27.83	27.5	0.254	1450.4
220.0	-0.23	-0.24	34.65	27.86	25.3	0.257	1451.3
230.0	-0.09	-0.10	34.69	27.88	23.2	0.259	1452.2
240.0	0.07	0.06	34.73	27.90	21.0	0.262	1453.1
250.0	0.19	0.18	34.76	27.92	19.3	0.264	1453.9
260.0	0.31	0.30	34.79	27.94	17.8	0.266	1454.6
270.0	0.33	0.32	34.80	27.94	17.3	0.267	1454.9
280.0	0.39	0.38	34.81	27.95	16.7	0.269	1455.3
290.0	0.49	0.48	34.84	27.97	15.4	0.271	1456.0
300.0	0.49	0.47	34.85	27.98	14.5	0.272	1456.2
310.0	0.50	0.49	34.85	27.98	14.4	0.274	1456.4
320.0	0.59	0.57	34.86	27.98	14.0	0.275	1457.0
330.0	0.58	0.57	34.86	27.98	14.0	0.277	1457.1
340.0	0.58	0.56	34.87	27.99	13.5	0.278	1457.3
350.0	0.58	0.56	34.88	28.00	12.9	0.279	1457.4
370.0	0.57	0.56	34.87	27.99	13.1	0.282	1457.8
390.0	0.58	0.57	34.89	28.00	12.1	0.284	1458.1
410.0	0.54	0.52	34.89	28.01	12.0	0.287	1458.3
430.0	0.52	0.50	34.89	28.01	11.5	0.289	1458.5
450.0	0.50	0.48	34.89	28.01	11.3	0.292	1458.8
470.0	0.45	0.43	34.90	28.02	10.8	0.294	1458.9
490.0	0.40	0.38	34.90	28.02	10.5	0.296	1459.0
510.0	0.36	0.34	34.90	28.02	10.1	0.298	1459.1
530.0	0.30	0.28	34.90	28.03	9.6	0.300	1459.2
550.0	0.29	0.26	34.90	28.03	9.6	0.302	1459.5
570.0	0.25	0.22	34.90	28.03	9.2	0.304	1459.6
590.0	0.20	0.17	34.90	28.04	8.7	0.306	1459.8
610.0	0.17	0.14	34.90	28.04	8.6	0.307	1460.0
630.0	0.14	0.11	34.91	28.04	8.0	0.309	1460.2
650.0	0.12	0.09	34.90	28.04	8.1	0.311	1460.4
670.0	0.08	0.05	34.91	28.05	7.6	0.312	1460.6
690.0	0.06	0.03	34.91	28.05	7.3	0.314	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.9		31.67
BOT NUM = 2	35.1	-1.74	31.69
BOT NUM = 3	385.8	0.59	34.87
BOT NUM = 4	697.1	0.05	34.90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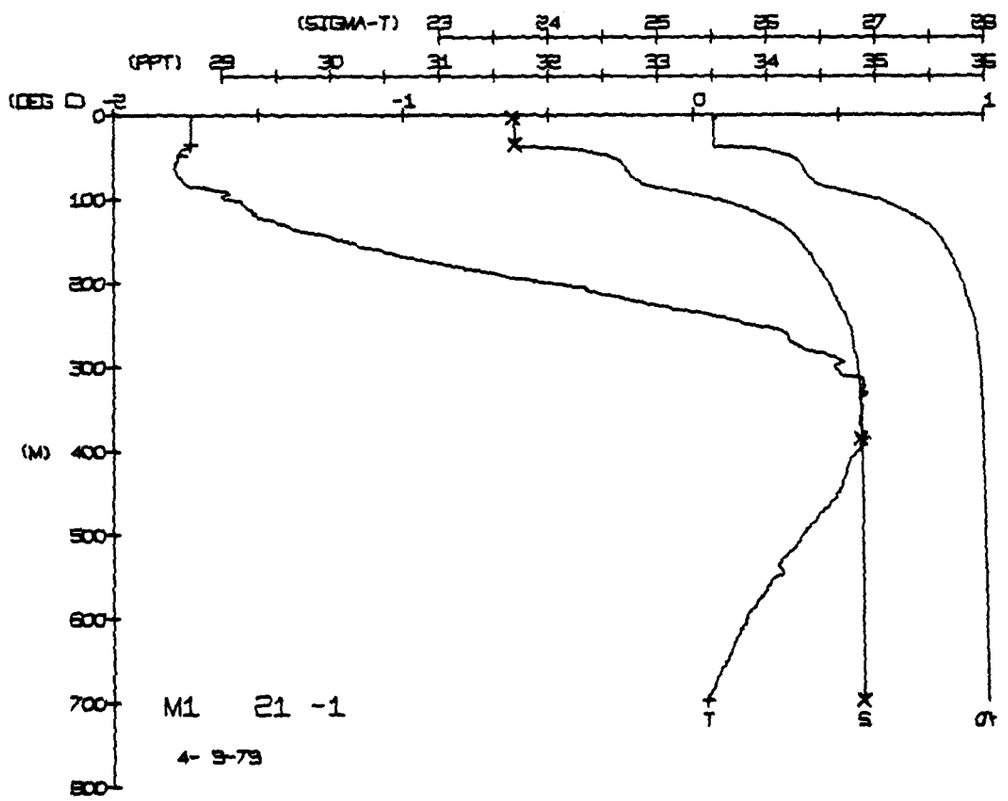
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FRAM 1 STATION 22(1) CTD 10/APR/1979 700 GMT CODE = 1
LAT = 84.5965N LNG = 9.1251W LTER = 1 LGER = 2.
AIR TEMP = -28.0 BAROM = 1041.2 WIND = 163.0 SPEED = 1.9

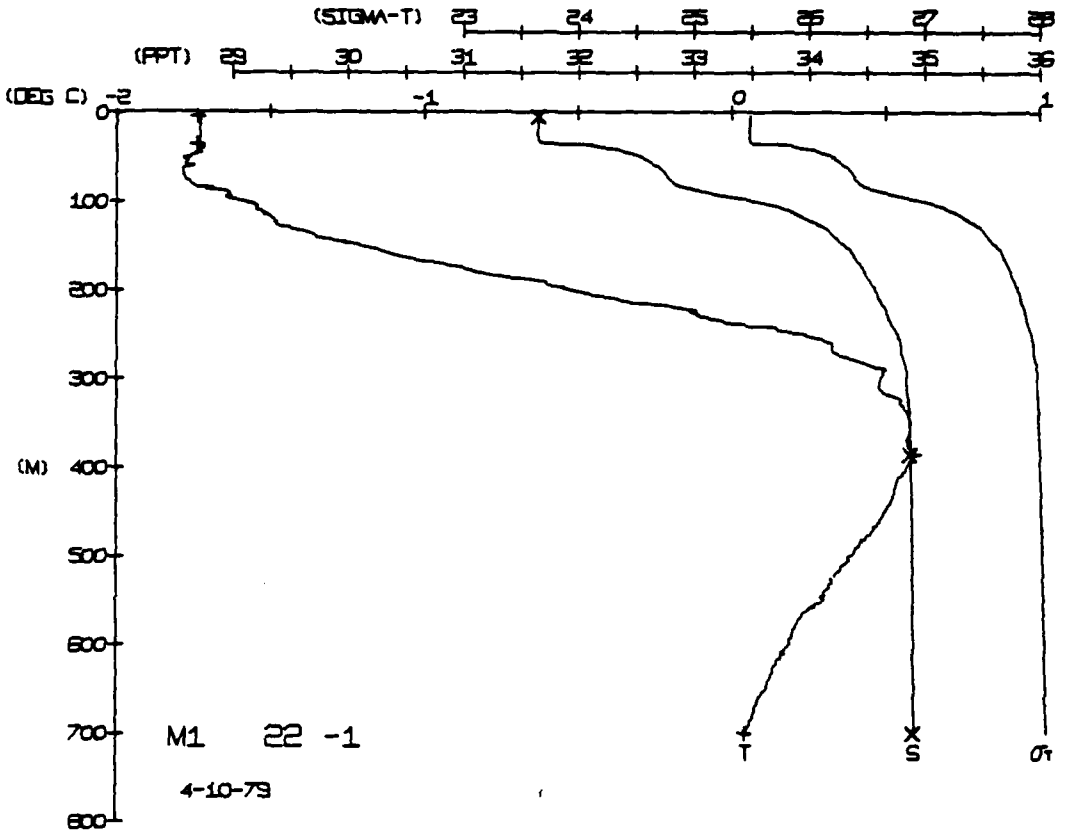
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.65	25.49	250.4	0.000	1436.4
3.1	-1.73	-1.73	31.65	25.49	250.3	0.008	1436.5
5.0	-1.73	-1.73	31.65	25.48	250.8	0.013	1436.5
10.0	-1.73	-1.73	31.64	25.48	251.0	0.025	1436.6
15.0	-1.73	-1.73	31.64	25.48	251.2	0.038	1436.7
20.0	-1.73	-1.73	31.64	25.48	251.1	0.051	1436.8
25.0	-1.73	-1.73	31.65	25.48	250.7	0.063	1436.8
30.0	-1.73	-1.73	31.66	25.49	250.0	0.076	1436.9
35.0	-1.73	-1.73	31.84	25.63	236.1	0.088	1437.3
40.0	-1.73	-1.74	32.25	25.97	204.0	0.099	1437.9
45.0	-1.75	-1.75	32.42	26.11	191.1	0.109	1438.2
50.0	-1.78	-1.79	32.55	26.21	181.1	0.118	1438.3
55.0	-1.78	-1.78	32.60	26.25	177.0	0.127	1438.5
60.0	-1.75	-1.75	32.67	26.31	171.5	0.136	1438.8
65.0	-1.79	-1.79	32.72	26.35	167.9	0.145	1438.7
70.0	-1.78	-1.78	32.75	26.38	165.2	0.153	1438.9
80.0	-1.76	-1.76	32.83	26.44	159.0	0.170	1439.3
90.0	-1.64	-1.64	33.11	26.66	138.2	0.184	1440.4
100.0	-1.59	-1.59	33.51	26.99	107.0	0.197	1441.4
110.0	-1.54	-1.54	33.82	27.23	84.0	0.206	1442.2
120.0	-1.50	-1.50	33.97	27.36	72.1	0.214	1442.8
130.0	-1.44	-1.44	34.14	27.49	59.7	0.221	1443.5
140.0	-1.36	-1.36	34.22	27.55	53.6	0.227	1444.1
150.0	-1.21	-1.21	34.31	27.62	47.3	0.232	1445.1
160.0	-1.11	-1.11	34.38	27.67	42.3	0.236	1445.9
170.0	-0.95	-0.95	34.44	27.72	38.3	0.240	1446.9
180.0	-0.83	-0.84	34.48	27.74	35.7	0.244	1447.6
190.0	-0.63	-0.64	34.53	27.78	32.4	0.248	1448.8
200.0	-0.52	-0.53	34.57	27.81	29.7	0.251	1449.5
210.0	-0.38	-0.38	34.61	27.83	27.3	0.254	1450.4
220.0	-0.17	-0.18	34.66	27.86	25.1	0.256	1451.6
230.0	-0.11	-0.12	34.68	27.88	23.4	0.259	1452.1
240.0	0.05	0.04	34.72	27.90	21.5	0.261	1453.0
250.0	0.24	0.23	34.76	27.92	19.3	0.263	1454.1
260.0	0.32	0.31	34.79	27.94	17.6	0.265	1454.7
270.0	0.33	0.32	34.80	27.94	17.4	0.267	1454.9
280.0	0.41	0.40	34.82	27.96	16.1	0.268	1455.4
290.0	0.50	0.49	34.85	27.97	14.7	0.270	1456.0
300.0	0.48	0.47	34.85	27.98	14.4	0.271	1456.1
310.0	0.48	0.47	34.85	27.98	14.5	0.273	1456.3
320.0	0.52	0.51	34.85	27.98	14.4	0.274	1456.7
330.0	0.55	0.54	34.86	27.98	13.9	0.276	1457.0
340.0	0.57	0.56	34.87	27.99	13.7	0.277	1457.2
350.0	0.58	0.57	34.87	27.99	13.1	0.278	1457.5
370.0	0.57	0.55	34.88	27.99	13.0	0.281	1457.7
390.0	0.58	0.56	34.89	28.00	12.1	0.284	1458.1
410.0	0.54	0.52	34.88	28.00	12.3	0.286	1458.3
430.0	0.52	0.51	34.89	28.01	11.9	0.289	1458.5
450.0	0.50	0.47	34.89	28.01	11.3	0.291	1458.8
470.0	0.46	0.43	34.89	28.02	10.9	0.293	1458.9
490.0	0.40	0.38	34.89	28.02	10.6	0.295	1459.0
510.0	0.36	0.34	34.90	28.02	10.2	0.297	1459.1
530.0	0.32	0.30	34.90	28.03	9.8	0.299	1459.3
550.0	0.29	0.27	34.90	28.03	9.4	0.301	1459.5
570.0	0.22	0.19	34.90	28.03	9.0	0.303	1459.5
590.0	0.19	0.17	34.90	28.04	8.8	0.305	1459.7
610.0	0.17	0.14	34.90	28.04	8.3	0.307	1459.9
630.0	0.13	0.10	34.90	28.04	8.1	0.308	1460.1
650.0	0.11	0.08	34.91	28.05	7.8	0.310	1460.3
670.0	0.07	0.04	34.91	28.05	7.5	0.312	1460.5
690.0	0.05	0.02	34.91	28.05	7.2	0.313	1460.8

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.7	-1.74	31.64
BOT NUM = 2	34.7	-1.74	
BOT NUM = 3	384.5	0.39	34.87
BOT NUM = 4	698.9	0.04	34.90

FRAM 1 STATION 23(1) CTD 10/APR/1979 1821 GMT CODE = 1
LAT = 84.5856N LNG = 8.9472W LTER = 40 LGER = 82.
AIR TEMP = BAROM = 1040.8 WIND = SPEED =

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.70	-1.70	31.66	25.49	249.7	0.000	1436.6
3.0	-1.70	-1.70	31.66	25.49	249.6	0.008	1436.6
5.0	-1.73	-1.73	31.66	25.49	250.2	0.013	1436.5
10.0	-1.73	-1.73	31.65	25.48	250.6	0.025	1436.6
15.0	-1.73	-1.73	31.65	25.48	250.7	0.038	1436.7
20.0	-1.73	-1.73	31.64	25.48	250.9	0.050	1436.8
25.0	-1.73	-1.73	31.65	25.48	250.7	0.063	1436.8
30.0	-1.73	-1.73	31.66	25.49	250.0	0.076	1436.9
35.0	-1.73	-1.73	32.01	25.78	222.6	0.088	1437.5
40.0	-1.73	-1.73	32.23	25.95	205.8	0.098	1437.9
45.0	-1.73	-1.73	32.35	26.05	196.6	0.108	1438.2
50.0	-1.74	-1.74	32.48	26.15	186.6	0.118	1438.4
55.0	-1.76	-1.76	32.54	26.21	181.4	0.127	1438.5
60.0	-1.77	-1.77	32.61	26.26	176.0	0.136	1438.6
65.0	-1.77	-1.77	32.67	26.31	171.9	0.145	1438.8
70.0	-1.76	-1.76	32.72	26.35	167.7	0.154	1439.0
80.0	-1.68	-1.68	32.86	26.46	157.3	0.170	1439.7
90.0	-1.70	-1.70	33.11	26.67	137.6	0.185	1440.1
100.0	-1.61	-1.61	33.47	26.95	110.4	0.197	1441.2
110.0	-1.53	-1.53	33.74	27.17	89.9	0.208	1442.1
120.0	-1.48	-1.48	33.96	27.35	72.9	0.216	1442.9
130.0	-1.43	-1.43	34.12	27.48	60.8	0.223	1443.5
140.0	-1.35	-1.36	34.22	27.55	53.8	0.228	1444.1
150.0	-1.23	-1.23	34.30	27.61	47.9	0.233	1445.0
160.0	-1.13	-1.13	34.36	27.66	43.4	0.238	1445.7
170.0	-1.00	-1.01	34.42	27.70	39.6	0.242	1446.6
180.0	-0.84	-0.84	34.47	27.74	35.9	0.246	1447.6
190.0	-0.67	-0.68	34.53	27.78	32.6	0.250	1448.6
200.0	-0.55	-0.56	34.56	27.80	30.3	0.253	1449.4
210.0	-0.38	-0.39	34.61	27.83	27.7	0.256	1450.4
220.0	-0.24	-0.25	34.64	27.85	25.9	0.258	1451.2
230.0	-0.13	-0.14	34.67	27.87	24.2	0.261	1451.9
240.0	-0.01	-0.02	34.71	27.89	21.9	0.263	1452.7
250.0	0.20	0.19	34.75	27.92	19.9	0.265	1453.9
260.0	0.30	0.29	34.79	27.94	18.0	0.267	1454.5
270.0	0.33	0.32	34.79	27.94	17.5	0.269	1454.9
280.0	0.39	0.38	34.81	27.95	16.6	0.271	1455.4
290.0	0.48	0.47	34.84	27.97	14.9	0.272	1456.0
300.0	0.49	0.47	34.85	27.98	14.7	0.274	1456.2
310.0	0.48	0.46	34.85	27.98	14.6	0.275	1456.3
320.0	0.49	0.48	34.85	27.97	14.7	0.277	1456.5
330.0	0.55	0.54	34.86	27.98	14.0	0.278	1457.0
340.0	0.56	0.54	34.87	27.99	13.6	0.280	1457.2
350.0	0.58	0.57	34.87	27.99	13.3	0.281	1457.5
370.0	0.57	0.55	34.87	27.99	13.2	0.284	1457.7
390.0	0.59	0.57	34.88	28.00	12.8	0.286	1458.2
410.0	0.56	0.54	34.89	28.00	12.3	0.289	1458.3
430.0	0.56	0.54	34.89	28.00	12.1	0.291	1458.7
450.0	0.51	0.49	34.89	28.01	11.6	0.294	1458.8
470.0	0.49	0.47	34.90	28.01	11.1	0.296	1459.1
490.0	0.45	0.42	34.89	28.01	11.5	0.298	1459.2
510.0	0.37	0.34	34.89	28.02	10.4	0.300	1459.2
530.0	0.35	0.33	34.90	28.03	9.6	0.302	1459.3
550.0	0.30	0.27	34.91	28.03	9.1	0.304	1459.5
570.0	0.26	0.23	34.90	28.03	9.1	0.306	1459.7
590.0	0.30	0.27	34.91	28.04	8.9	0.308	1460.2
610.0	0.23	0.21	34.90	28.04	8.8	0.310	1460.2
630.0	0.17	0.15	34.91	28.04	8.2	0.312	1460.3
650.0	0.11	0.09	34.90	28.04	8.0	0.313	1460.4
670.0	0.08	0.05	34.90	28.04	7.8	0.315	1460.5
690.0	0.06	0.03	34.90	28.05	7.6	0.316	1460.8

	DEPTH	TEMP.	SALIN
BOT NUM = 1	4.8		31.65
BOT NUM = 2	31.4	-1.74	31.65
BOT NUM = 3	392.9	0.60	34.87
BOT NUM = 4	699.9	0.05	34.90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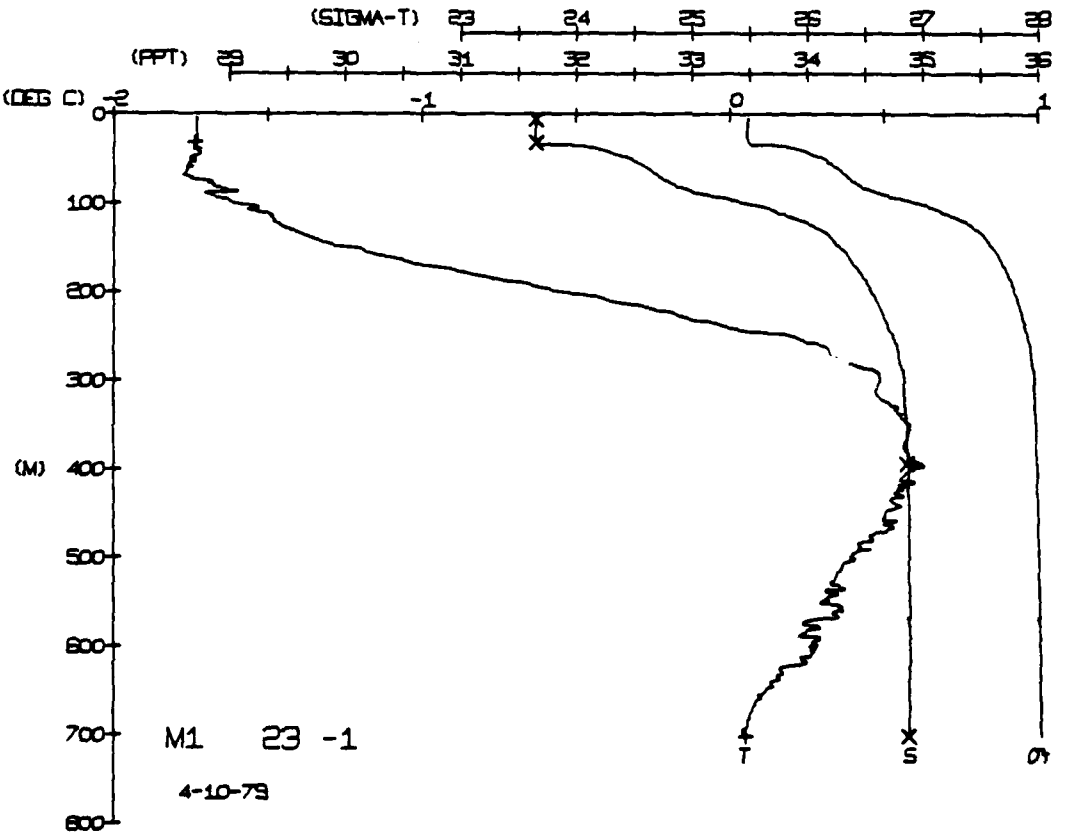
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(M) 400
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700
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FRAM 1 STATION 24(1) CTD 11/APR/1979 707 GMT CODE = 1
LAT = 84.3680N LNG = 8.8393W LTER = 12. LGER = 18.
AIR TEMP = BAROM = 1036.6 WIND = SPEED =

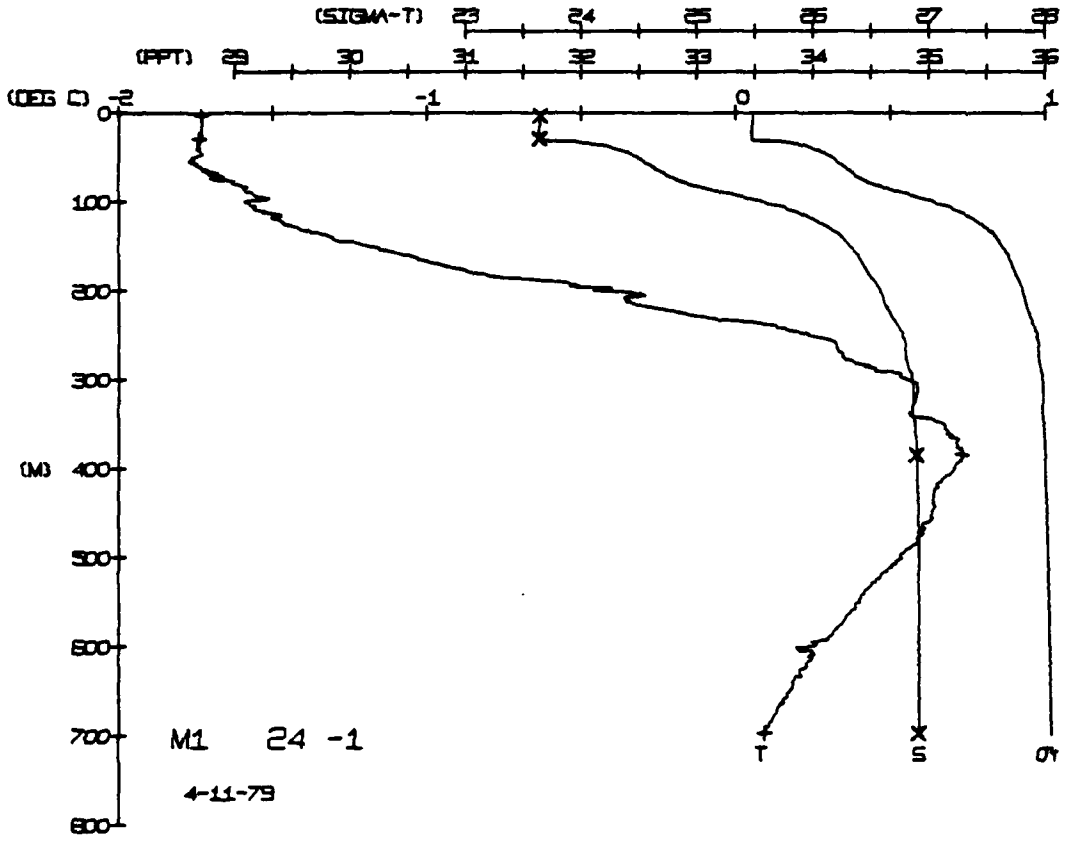
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.65	25.48	250.8	0.000	1436.4
3.0	-1.73	-1.73	31.65	25.48	250.8	0.008	1436.5
5.0	-1.73	-1.73	31.64	25.48	251.1	0.013	1436.5
10.0	-1.73	-1.73	31.64	25.47	251.4	0.025	1436.6
15.0	-1.73	-1.73	31.64	25.48	251.3	0.038	1436.7
20.0	-1.73	-1.73	31.64	25.47	251.5	0.051	1436.7
25.0	-1.73	-1.73	31.64	25.47	251.4	0.063	1436.8
30.0	-1.73	-1.73	31.64	25.48	251.0	0.076	1436.9
35.0	-1.74	-1.75	32.05	25.80	219.9	0.088	1437.5
40.0	-1.74	-1.74	32.25	25.97	204.0	0.098	1437.9
45.0	-1.74	-1.74	32.37	26.07	194.6	0.108	1438.2
50.0	-1.74	-1.74	32.47	26.15	187.1	0.118	1438.4
55.0	-1.77	-1.77	32.54	26.20	181.9	0.127	1438.4
60.0	-1.75	-1.75	32.60	26.25	177.4	0.136	1438.7
65.0	-1.71	-1.71	32.66	26.30	172.5	0.145	1439.0
70.0	-1.71	-1.71	32.73	26.36	167.3	0.154	1439.2
80.0	-1.63	-1.63	32.90	26.49	154.0	0.170	1440.0
90.0	-1.57	-1.57	33.21	26.74	130.3	0.184	1440.9
100.0	-1.59	-1.60	33.55	27.02	104.1	0.196	1441.4
110.0	-1.55	-1.55	33.79	27.21	86.3	0.206	1442.1
120.0	-1.50	-1.51	33.98	27.37	71.3	0.214	1442.8
130.0	-1.43	-1.43	34.13	27.48	60.4	0.220	1443.5
140.0	-1.31	-1.32	34.24	27.57	52.1	0.226	1444.4
150.0	-1.20	-1.20	34.31	27.62	47.3	0.231	1445.2
160.0	-1.08	-1.08	34.38	27.67	42.2	0.236	1446.0
170.0	-0.97	-0.98	34.43	27.71	39.0	0.240	1446.7
180.0	-0.86	-0.86	34.47	27.74	36.3	0.243	1447.5
190.0	-0.58	-0.58	34.52	27.77	33.5	0.247	1449.0
200.0	-0.47	-0.48	34.57	27.81	29.9	0.250	1449.8
210.0	-0.36	-0.37	34.61	27.83	27.8	0.253	1450.5
220.0	-0.28	-0.28	34.64	27.85	26.0	0.256	1451.1
230.0	-0.12	-0.13	34.68	27.87	23.9	0.258	1452.0
240.0	0.12	0.11	34.72	27.90	21.6	0.261	1453.3
250.0	0.23	0.22	34.76	27.92	19.3	0.263	1454.0
260.0	0.32	0.31	34.79	27.94	17.5	0.265	1454.7
270.0	0.34	0.33	34.80	27.94	17.3	0.266	1454.9
280.0	0.38	0.37	34.81	27.95	16.8	0.268	1455.3
290.0	0.45	0.43	34.83	27.96	15.6	0.270	1455.8
300.0	0.54	0.53	34.85	27.98	14.6	0.271	1456.4
310.0	0.59	0.57	34.86	27.98	14.1	0.273	1456.8
320.0	0.58	0.57	34.86	27.98	14.1	0.274	1456.9
330.0	0.57	0.56	34.86	27.98	14.2	0.275	1457.1
340.0	0.56	0.55	34.86	27.98	14.3	0.277	1457.2
350.0	0.66	0.65	34.88	27.99	13.4	0.278	1457.8
370.0	0.71	0.70	34.89	28.00	12.9	0.281	1458.4
390.0	0.73	0.71	34.90	28.00	12.5	0.284	1458.8
410.0	0.68	0.66	34.90	28.01	12.2	0.286	1458.9
430.0	0.64	0.62	34.90	28.01	11.6	0.288	1459.1
450.0	0.63	0.61	34.91	28.02	10.9	0.291	1459.4
470.0	0.60	0.58	34.91	28.02	10.9	0.293	1459.6
490.0	0.56	0.54	34.91	28.02	10.3	0.295	1459.7
510.0	0.50	0.48	34.91	28.03	9.9	0.297	1459.8
530.0	0.44	0.42	34.91	28.03	9.5	0.299	1459.9
550.0	0.40	0.37	34.91	28.03	9.2	0.301	1460.0
570.0	0.35	0.32	34.91	28.04	9.0	0.303	1460.1
590.0	0.30	0.28	34.91	28.04	8.7	0.305	1460.2
610.0	0.24	0.21	34.92	28.05	7.9	0.306	1460.3
630.0	0.20	0.18	34.91	28.04	8.1	0.308	1460.4
650.0	0.17	0.14	34.92	28.05	7.6	0.309	1460.7
670.0	0.13	0.10	34.91	28.05	7.4	0.311	1460.8
690.0	0.10	0.07	34.91	28.05	7.6	0.312	1461.0
699.4	0.08	0.05	34.93	28.06	6.1	0.313	1461.1

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.5	-1.74	31.64
BOT NUM = 2	29.6	-1.74	31.63
BOT NUM = 3	384.7	0.73	34.89
BOT NUM = 4	697.6	0.09	34.90

FRAM 1 STATION 25(1) CTD 11/APR/1979 1837 GMT CODE = 1
LAT = 84.5499N LNG = 8.6897W LTER = 1 LGER = 2.
AIR TEMP = BAROM = 1027.4 WIND = SPEED =

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.67	25.50	249.5	0.000	1436.4
3.0	-1.73	-1.73	31.67	25.50	249.5	0.008	1436.5
5.0	-1.73	-1.73	31.66	25.49	250.2	0.013	1436.5
10.0	-1.73	-1.73	31.65	25.48	250.7	0.025	1436.6
15.0	-1.73	-1.73	31.64	25.47	251.4	0.038	1436.7
20.0	-1.73	-1.73	31.64	25.48	251.1	0.050	1436.7
25.0	-1.73	-1.73	31.64	25.47	251.3	0.063	1436.8
30.0	-1.73	-1.73	31.64	25.47	251.3	0.076	1436.9
35.0	-1.74	-1.74	31.74	25.55	243.8	0.088	1437.1
40.0	-1.75	-1.75	32.01	25.78	222.6	0.100	1437.5
45.0	-1.75	-1.75	32.34	26.04	197.5	0.111	1438.1
50.0	-1.77	-1.77	32.49	26.17	185.2	0.120	1438.3
55.0	-1.78	-1.79	32.57	26.23	179.7	0.129	1438.4
60.0	-1.78	-1.78	32.65	26.30	172.8	0.138	1438.6
65.0	-1.78	-1.79	32.72	26.35	168.0	0.147	1438.8
70.0	-1.78	-1.78	32.75	26.38	165.2	0.155	1438.9
80.0	-1.74	-1.74	32.89	26.49	154.5	0.171	1439.3
90.0	-1.64	-1.64	33.17	26.71	133.4	0.186	1440.5
100.0	-1.59	-1.59	33.53	27.00	106.0	0.198	1441.4
110.0	-1.56	-1.56	33.79	27.21	85.7	0.208	1442.1
120.0	-1.51	-1.51	33.99	27.37	70.8	0.216	1442.8
130.0	-1.45	-1.45	34.13	27.49	59.8	0.222	1443.4
140.0	-1.30	-1.31	34.25	27.57	51.7	0.228	1444.4
150.0	-1.19	-1.19	34.33	27.63	46.0	0.233	1445.3
160.0	-1.08	-1.08	34.38	27.68	42.0	0.237	1446.0
170.0	-0.94	-0.95	34.43	27.71	38.6	0.241	1446.9
180.0	-0.83	-0.83	34.47	27.74	36.1	0.245	1447.6
190.0	-0.70	-0.70	34.52	27.77	33.0	0.248	1448.5
200.0	-0.54	-0.54	34.56	27.80	30.4	0.252	1449.4
210.0	-0.39	-0.39	34.61	27.83	27.9	0.255	1450.3
220.0	-0.25	-0.26	34.64	27.85	26.0	0.257	1451.2
230.0	-0.11	-0.12	34.68	27.87	23.9	0.260	1452.0
240.0	-0.01	-0.02	34.71	27.89	21.8	0.262	1452.7
250.0	0.13	0.12	34.75	27.92	19.8	0.264	1453.6
260.0	0.26	0.25	34.78	27.94	17.9	0.266	1454.4
270.0	0.31	0.30	34.79	27.94	17.6	0.268	1454.8
280.0	0.33	0.31	34.80	27.95	17.1	0.270	1455.0
290.0	0.42	0.41	34.83	27.96	15.7	0.271	1455.7
300.0	0.50	0.48	34.84	27.97	14.9	0.273	1456.2
310.0	0.54	0.53	34.86	27.98	14.3	0.274	1456.6
320.0	0.57	0.55	34.85	27.98	14.5	0.276	1456.9
330.0	0.58	0.56	34.86	27.98	14.3	0.277	1457.1
340.0	0.59	0.57	34.86	27.98	14.1	0.279	1457.3
350.0	0.63	0.62	34.88	27.99	13.3	0.280	1457.7
370.0	0.67	0.65	34.89	28.00	12.9	0.283	1458.2
390.0	0.68	0.66	34.90	28.01	11.6	0.285	1458.6
410.0	0.63	0.62	34.89	28.00	12.2	0.288	1458.7
430.0	0.60	0.59	34.90	28.01	11.5	0.290	1458.9
450.0	0.59	0.57	34.91	28.02	11.0	0.292	1459.2
470.0	0.55	0.53	34.91	28.02	10.7	0.294	1459.4
490.0	0.49	0.47	34.91	28.02	10.2	0.297	1459.4
510.0	0.43	0.40	34.91	28.03	9.8	0.299	1459.5
530.0	0.39	0.37	34.91	28.03	9.5	0.301	1459.6
550.0	0.34	0.32	34.91	28.04	9.0	0.302	1459.7
570.0	0.31	0.29	34.91	28.04	8.8	0.304	1459.9
590.0	0.28	0.26	34.91	28.04	8.5	0.306	1460.1
610.0	0.21	0.18	34.91	28.04	8.2	0.308	1460.1
630.0	0.18	0.15	34.91	28.05	7.9	0.309	1460.3
650.0	0.17	0.14	34.91	28.05	7.6	0.311	1460.6
670.0	0.12	0.09	34.91	28.05	7.6	0.312	1460.7
690.0	0.09	0.06	34.91	28.05	7.4	0.314	1460.9
700.9	0.07	0.04	34.93	28.06	6.0	0.315	1461.1

	DEPTH	TEMP	SALIN
BOT NUM = 1	4.4	-1.74	31.64
BOT NUM = 2	31.4	-1.74	31.64
BOT NUM = 3	386.4	0.69	34.88
BOT NUM = 4	699.8	0.08	34.90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200
300
(M) 400
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600
700
800
M1 24 -1
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T
S
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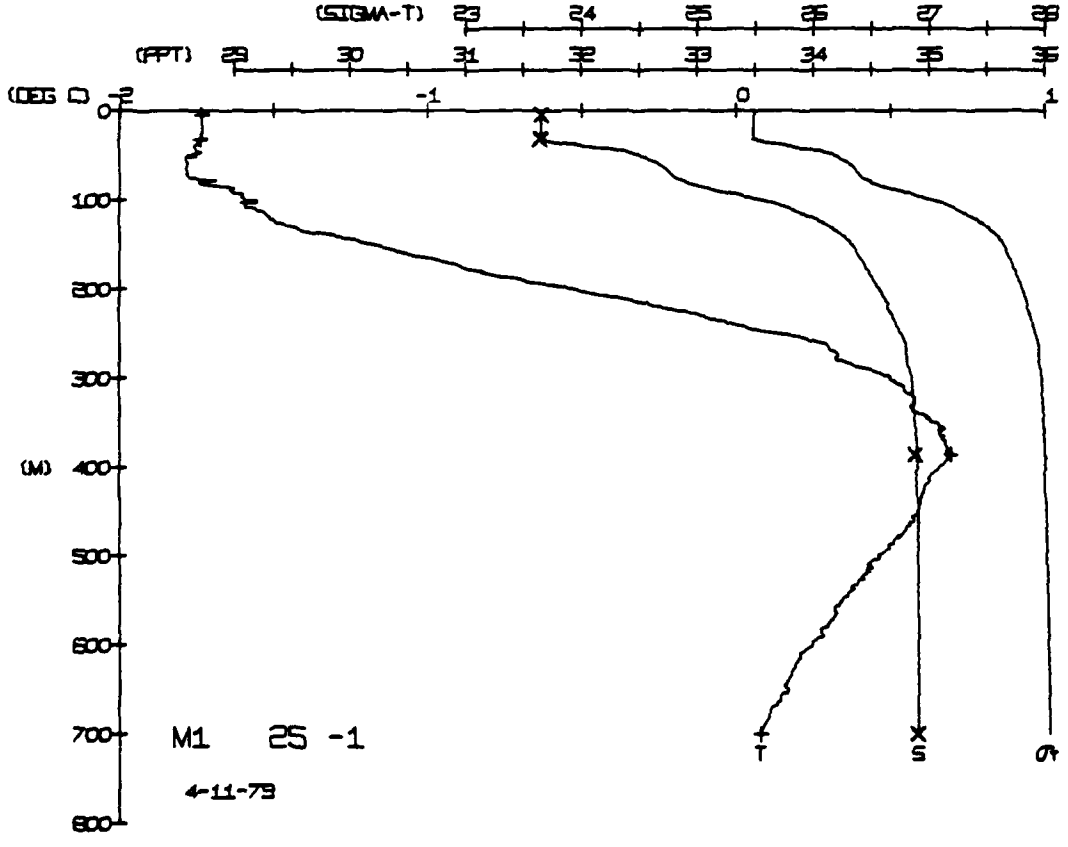
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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
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100
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(M) 400
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M1 25 -1
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FRAM 1 STATION 26(1) CTD 12/APR/1979 702 GMT CODE = 1
LAT = 84.5119N LNG = 8.8666W LTER = 1. LGER = 3.
AIR TEMP = BAROM = 1032.6 WIND = SPEED =

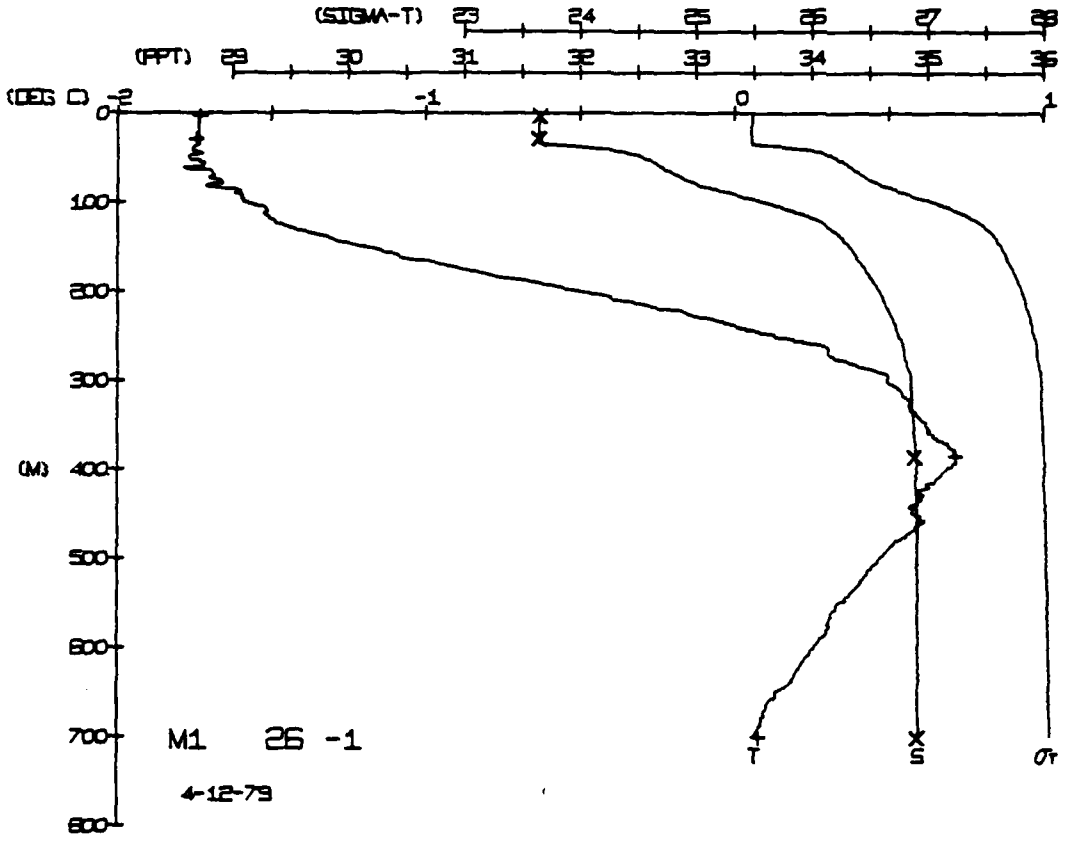
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.65	25.49	250.4	0.000	1436.4
3.0	-1.74	-1.74	31.65	25.49	250.4	0.008	1436.5
5.0	-1.74	-1.74	31.66	25.49	250.3	0.013	1436.5
10.0	-1.74	-1.74	31.65	25.48	250.5	0.025	1436.6
15.0	-1.74	-1.74	31.65	25.48	250.5	0.038	1436.7
20.0	-1.74	-1.74	31.65	25.48	250.6	0.050	1436.7
25.0	-1.74	-1.74	31.65	25.48	250.5	0.063	1436.8
30.0	-1.74	-1.74	31.65	25.48	250.3	0.076	1436.9
35.0	-1.74	-1.74	31.69	25.51	247.4	0.088	1437.0
40.0	-1.76	-1.76	32.11	25.85	215.2	0.100	1437.6
45.0	-1.73	-1.73	32.41	26.10	192.1	0.110	1438.3
50.0	-1.77	-1.77	32.52	26.19	182.9	0.120	1438.3
55.0	-1.74	-1.74	32.62	26.27	175.8	0.129	1438.6
60.0	-1.71	-1.71	32.69	26.32	170.4	0.137	1439.0
65.0	-1.70	-1.70	32.75	26.37	165.8	0.146	1439.2
70.0	-1.69	-1.69	32.83	26.43	159.8	0.154	1439.5
80.0	-1.69	-1.70	33.01	26.58	145.8	0.169	1439.8
90.0	-1.63	-1.63	33.29	26.81	123.9	0.183	1440.7
100.0	-1.59	-1.59	33.58	27.04	102.3	0.194	1441.5
110.0	-1.52	-1.52	33.84	27.25	82.5	0.204	1442.3
120.0	-1.50	-1.50	34.04	27.41	66.8	0.211	1442.9
130.0	-1.43	-1.44	34.17	27.51	57.4	0.217	1443.5
140.0	-1.32	-1.33	34.25	27.58	51.1	0.223	1444.3
150.0	-1.22	-1.22	34.32	27.63	46.5	0.228	1445.1
160.0	-1.09	-1.09	34.38	27.67	42.5	0.232	1445.9
170.0	-0.96	-0.96	34.43	27.71	38.8	0.236	1446.8
180.0	-0.81	-0.82	34.49	27.75	34.7	0.240	1447.7
190.0	-0.66	-0.66	34.54	27.78	31.9	0.244	1448.7
200.0	-0.51	-0.52	34.58	27.81	29.1	0.247	1449.6
210.0	-0.38	-0.39	34.61	27.84	27.2	0.250	1450.4
220.0	-0.25	-0.26	34.65	27.86	25.1	0.252	1451.2
230.0	-0.12	-0.13	34.69	27.88	23.1	0.255	1452.0
240.0	0.00	-0.01	34.72	27.90	21.6	0.257	1452.8
250.0	0.13	0.12	34.75	27.92	19.7	0.259	1453.6
260.0	0.25	0.24	34.79	27.94	17.6	0.261	1454.4
270.0	0.30	0.29	34.80	27.95	16.7	0.263	1454.8
280.0	0.37	0.35	34.82	27.96	16.1	0.264	1455.2
290.0	0.46	0.45	34.84	27.97	15.0	0.266	1455.9
300.0	0.49	0.48	34.85	27.98	14.0	0.267	1456.2
310.0	0.53	0.51	34.86	27.98	13.9	0.269	1456.5
320.0	0.55	0.54	34.86	27.99	13.8	0.270	1456.8
330.0	0.57	0.55	34.87	27.99	13.6	0.271	1457.0
340.0	0.59	0.58	34.88	27.99	13.0	0.273	1457.3
350.0	0.62	0.60	34.88	28.00	12.8	0.274	1457.6
370.0	0.67	0.66	34.89	28.00	12.4	0.277	1458.2
390.0	0.71	0.70	34.91	28.01	11.8	0.279	1458.8
410.0	0.66	0.64	34.91	28.02	11.2	0.281	1458.9
430.0	0.61	0.59	34.90	28.01	11.2	0.284	1458.9
450.0	0.58	0.56	34.91	28.02	10.7	0.286	1459.1
470.0	0.57	0.55	34.91	28.02	10.5	0.288	1459.3
490.0	0.50	0.48	34.91	28.03	10.2	0.290	1459.3
510.0	0.45	0.42	34.91	28.03	9.6	0.292	1459.6
530.0	0.40	0.38	34.91	28.03	9.5	0.294	1459.7
550.0	0.34	0.32	34.91	28.04	9.0	0.296	1459.7
570.0	0.30	0.28	34.92	28.04	8.4	0.298	1459.9
590.0	0.28	0.25	34.91	28.04	8.4	0.299	1460.1
610.0	0.23	0.21	34.92	28.05	7.9	0.301	1460.3
630.0	0.19	0.17	34.92	28.05	7.3	0.303	1460.4
650.0	0.13	0.10	34.91	28.05	7.6	0.304	1460.5
670.0	0.10	0.07	34.92	28.05	7.0	0.306	1460.6
690.0	0.08	0.05	34.92	28.05	6.9	0.307	1460.9
699.9	0.06	0.03	34.92	28.06	6.1	0.308	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4	-1.74	31.64
BOT NUM = 2	29.1	-1.75	31.64
BOT NUM = 3	386.0	0.72	34.88
BOT NUM = 4	701.4	0.08	34.90

FRAM 1 STATION 27(1) CTD 12/APR/1979 1848 GMT CODE = 1
LAT = 84.4992N LNG = 8.9697W LTER = 0. LGER = 1.
AIR TEMP = -29.8 BAROM = 1036.5 WIND = 63.0 SPEED = 3.2

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.67	25.50	249.0	0.000	1436.4
3.1	-1.73	-1.73	31.67	25.50	249.0	0.008	1436.5
5.0	-1.73	-1.73	31.66	25.49	249.9	0.013	1436.5
10.0	-1.73	-1.73	31.66	25.49	250.1	0.025	1436.6
15.0	-1.73	-1.74	31.66	25.49	249.7	0.038	1436.7
20.0	-1.74	-1.74	31.66	25.49	250.0	0.050	1436.7
25.0	-1.74	-1.74	31.75	25.57	242.6	0.063	1436.9
30.0	-1.75	-1.75	31.95	25.72	227.6	0.075	1437.2
35.0	-1.76	-1.76	32.09	25.83	217.4	0.086	1437.5
40.0	-1.76	-1.77	32.14	25.88	212.5	0.097	1437.6
45.0	-1.77	-1.77	32.23	25.95	204.0	0.107	1437.8
50.0	-1.77	-1.77	32.46	26.14	188.0	0.117	1438.2
55.0	-1.77	-1.77	32.59	26.24	178.1	0.126	1438.5
60.0	-1.78	-1.78	32.68	26.32	171.0	0.135	1438.7
65.0	-1.78	-1.78	32.73	26.36	166.7	0.144	1438.8
70.0	-1.78	-1.78	32.77	26.39	163.6	0.152	1438.9
80.0	-1.68	-1.68	32.97	26.55	148.8	0.168	1439.9
90.0	-1.63	-1.63	33.31	26.83	122.3	0.181	1440.7
100.0	-1.54	-1.55	33.63	27.08	98.1	0.192	1441.8
110.0	-1.53	-1.54	33.87	27.28	79.5	0.201	1442.3
120.0	-1.50	-1.50	34.04	27.41	67.1	0.209	1442.9
130.0	-1.44	-1.44	34.17	27.51	57.4	0.215	1443.5
140.0	-1.35	-1.35	34.25	27.58	51.4	0.221	1444.2
150.0	-1.19	-1.19	34.33	27.64	45.5	0.225	1445.3
160.0	-1.05	-1.05	34.39	27.68	41.3	0.230	1446.2
170.0	-0.95	-0.96	34.44	27.72	37.7	0.234	1446.8
180.0	-0.79	-0.80	34.49	27.75	34.6	0.237	1447.8
190.0	-0.63	-0.63	34.51	27.79	31.6	0.241	1448.8
200.0	-0.49	-0.50	34.58	27.81	29.1	0.244	1449.7
210.0	-0.36	-0.37	34.62	27.84	26.7	0.247	1450.5
220.0	-0.25	-0.25	34.65	27.86	24.9	0.249	1451.2
230.0	-0.13	-0.14	34.68	27.88	23.2	0.252	1452.0
240.0	0.03	0.02	34.73	27.91	20.7	0.254	1452.9
250.0	0.16	0.15	34.76	27.93	18.8	0.256	1453.7
260.0	0.28	0.27	34.80	27.95	17.0	0.258	1454.5
270.0	0.30	0.29	34.80	27.95	16.7	0.259	1454.8
280.0	0.34	0.33	34.81	27.96	16.2	0.261	1455.1
290.0	0.44	0.43	34.84	27.97	14.8	0.263	1455.8
300.0	0.51	0.50	34.86	27.98	13.8	0.264	1456.3
310.0	0.55	0.53	34.86	27.99	13.7	0.265	1456.6
320.0	0.57	0.56	34.87	27.99	13.6	0.267	1456.9
330.0	0.57	0.56	34.87	27.99	13.4	0.268	1457.1
340.0	0.63	0.61	34.89	28.00	12.9	0.270	1457.5
350.0	0.63	0.61	34.89	28.00	12.3	0.271	1457.7
370.0	0.66	0.65	34.90	28.00	12.2	0.273	1458.2
390.0	0.70	0.68	34.91	28.01	11.6	0.276	1458.7
410.0	0.65	0.63	34.90	28.01	11.5	0.278	1458.8
430.0	0.63	0.61	34.91	28.02	11.1	0.280	1459.1
450.0	0.59	0.57	34.91	28.02	10.6	0.283	1459.2
470.0	0.59	0.57	34.92	28.03	10.2	0.285	1459.5
490.0	0.46	0.43	34.91	28.03	9.7	0.287	1459.3
510.0	0.44	0.42	34.91	28.03	9.4	0.289	1459.5
530.0	0.40	0.38	34.92	28.04	9.1	0.290	1459.7
550.0	0.34	0.32	34.91	28.04	8.7	0.292	1459.8
570.0	0.28	0.26	34.91	28.04	8.4	0.294	1459.8
590.0	0.25	0.23	34.92	28.05	8.0	0.296	1460.0
610.0	0.22	0.19	34.92	28.05	7.6	0.297	1460.2
630.0	0.17	0.15	34.92	28.05	7.4	0.299	1460.3
650.0	0.12	0.10	34.92	28.05	7.1	0.300	1460.4
670.0	0.09	0.06	34.92	28.05	6.9	0.302	1460.6
690.0	0.06	0.03	34.92	28.05	6.8	0.303	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	2.7		31.65
BOT NUM = 2	24.1	-1.75	31.68
BOT NUM = 3	386.3	0.71	34.89
BOT NUM = 4	699.3	0.05	34.91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M1 26 -1
4-12-79
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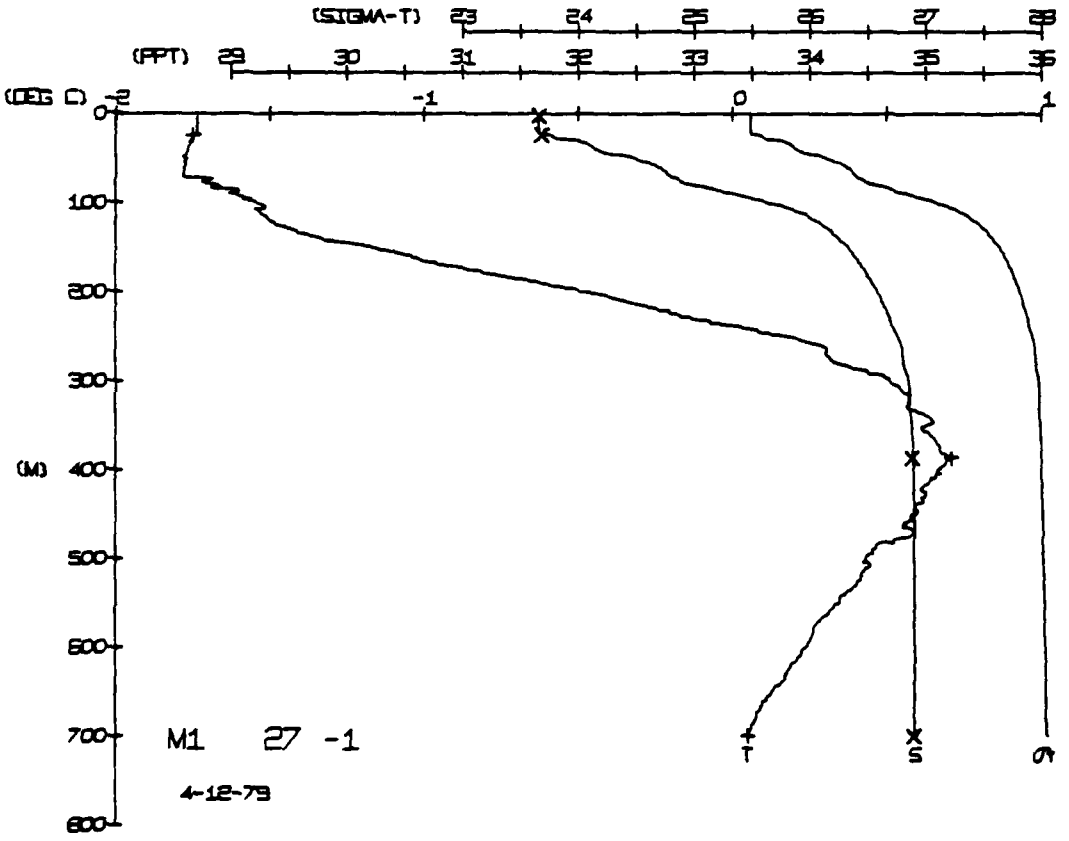
(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
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100
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M1 27 -1
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FRAM 1 STATION 28(1) CTD 13/APR/1979 704 GMT CODE = 1
LAT = 84 5161N LNG = 9 1220W LTER = 0. LGER = 0.
AIR TEMP = -29 8 BAROM = 1034.3 WIND = 63.0 SPEED = 3.2

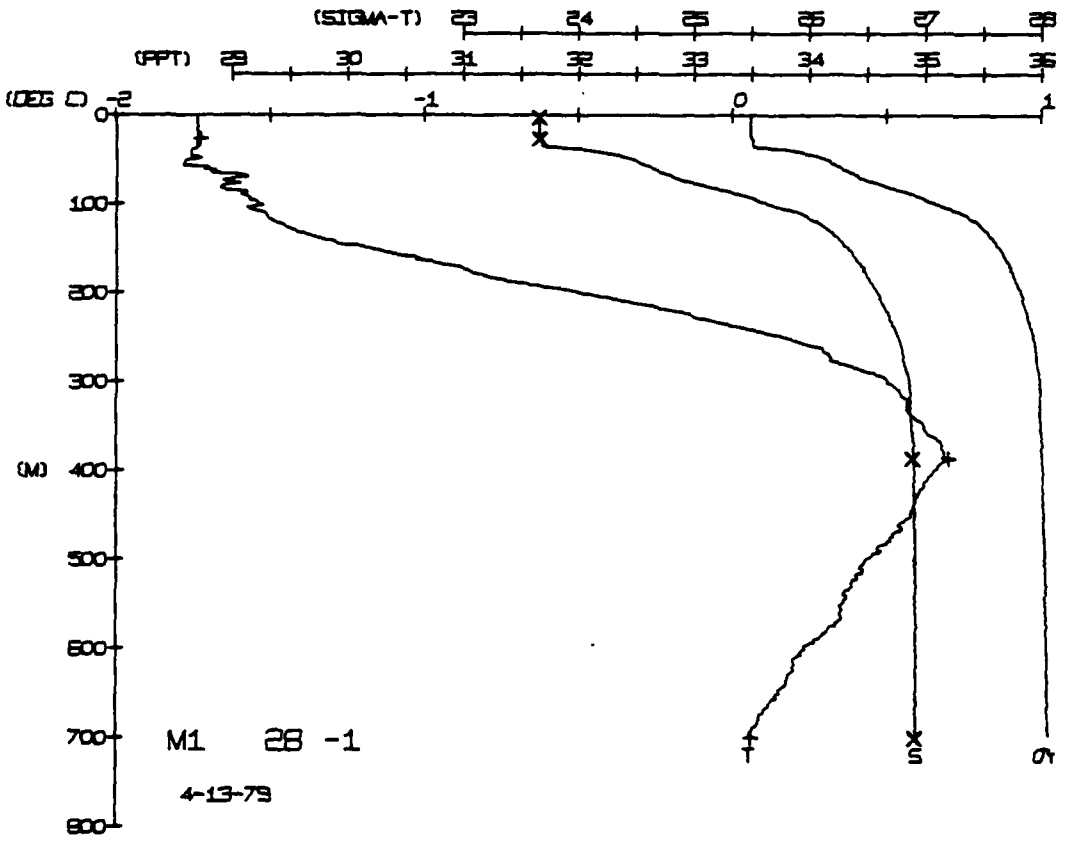
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.66	25.50	249.6	0.000	1436.4
3.0	-1.74	-1.74	31.66	25.50	249.5	0.008	1436.5
5.0	-1.74	-1.74	31.66	25.49	249.7	0.013	1436.5
10.0	-1.74	-1.74	31.65	25.48	250.6	0.025	1436.6
15.0	-1.74	-1.74	31.66	25.49	250.1	0.038	1436.7
20.0	-1.74	-1.74	31.66	25.49	250.0	0.050	1436.7
25.0	-1.74	-1.74	31.66	25.49	249.7	0.063	1436.8
30.0	-1.74	-1.74	31.68	25.50	248.5	0.075	1436.9
35.0	-1.74	-1.74	31.68	25.51	247.9	0.088	1437.0
40.0	-1.75	-1.75	32.05	25.81	219.4	0.100	1437.5
45.0	-1.76	-1.76	32.26	25.98	203.0	0.110	1437.9
50.0	-1.74	-1.74	32.44	26.12	189.3	0.120	1438.3
55.0	-1.79	-1.79	32.52	26.19	182.8	0.130	1438.3
60.0	-1.70	-1.71	32.62	26.27	175.6	0.139	1438.9
65.0	-1.69	-1.69	32.72	26.35	167.8	0.147	1439.2
70.0	-1.58	-1.58	32.81	26.42	161.0	0.156	1439.9
80.0	-1.66	-1.66	33.09	26.65	139.5	0.171	1440.1
90.0	-1.60	-1.60	33.40	26.90	115.8	0.184	1441.0
100.0	-1.54	-1.54	33.63	27.08	98.5	0.194	1441.8
110.0	-1.52	-1.53	33.90	27.30	77.8	0.203	1442.4
120.0	-1.49	-1.49	34.05	27.42	66.2	0.211	1442.9
130.0	-1.42	-1.43	34.17	27.51	57.3	0.217	1443.6
140.0	-1.34	-1.34	34.24	27.57	51.9	0.222	1444.2
150.0	-1.18	-1.19	34.33	27.64	45.6	0.227	1445.3
160.0	-1.03	-1.04	34.39	27.68	41.8	0.232	1446.2
170.0	-0.91	-0.92	34.45	27.72	37.7	0.236	1447.0
180.0	-0.82	-0.83	34.48	27.75	35.4	0.239	1447.7
190.0	-0.68	-0.69	34.54	27.78	31.9	0.243	1448.6
200.0	-0.51	-0.51	34.59	27.82	28.8	0.246	1449.6
210.0	-0.36	-0.36	34.62	27.84	27.3	0.249	1450.5
220.0	-0.20	-0.21	34.66	27.86	24.6	0.251	1451.4
230.0	-0.10	-0.11	34.69	27.88	22.7	0.254	1452.1
240.0	0.03	0.02	34.72	27.90	21.1	0.256	1452.9
250.0	0.16	0.15	34.76	27.93	18.9	0.258	1453.7
260.0	0.26	0.25	34.80	27.95	16.9	0.260	1454.4
270.0	0.31	0.30	34.81	27.95	16.6	0.261	1454.8
280.0	0.35	0.34	34.81	27.96	16.2	0.263	1455.2
290.0	0.44	0.43	34.83	27.97	15.2	0.265	1455.8
300.0	0.50	0.48	34.85	27.98	14.4	0.266	1456.2
310.0	0.54	0.52	34.86	27.99	13.7	0.268	1456.6
320.0	0.56	0.55	34.87	27.99	13.7	0.269	1456.9
330.0	0.56	0.55	34.86	27.98	13.8	0.270	1457.0
340.0	0.59	0.57	34.87	27.99	13.2	0.272	1457.3
350.0	0.62	0.60	34.88	28.00	12.8	0.273	1457.6
370.0	0.68	0.66	34.89	28.00	12.4	0.276	1458.2
390.0	0.69	0.67	34.90	28.01	12.0	0.278	1458.6
410.0	0.63	0.61	34.90	28.01	11.9	0.280	1458.7
430.0	0.60	0.58	34.91	28.02	10.8	0.283	1458.9
450.0	0.58	0.56	34.91	28.02	10.6	0.285	1459.1
470.0	0.52	0.50	34.91	28.02	10.2	0.287	1459.2
490.0	0.48	0.46	34.91	28.03	9.8	0.289	1459.4
510.0	0.42	0.39	34.91	28.03	9.7	0.291	1459.4
530.0	0.38	0.36	34.92	28.04	9.0	0.293	1459.6
550.0	0.35	0.32	34.92	28.04	8.5	0.295	1459.8
570.0	0.34	0.32	34.91	28.04	8.9	0.296	1460.1
590.0	0.27	0.24	34.92	28.04	8.2	0.298	1460.1
610.0	0.21	0.18	34.91	28.05	7.9	0.300	1460.1
630.0	0.18	0.15	34.91	28.05	7.8	0.301	1460.3
650.0	0.15	0.12	34.91	28.05	7.5	0.303	1460.5
670.0	0.10	0.07	34.92	28.06	6.8	0.304	1460.7
690.0	0.06	0.03	34.91	28.05	7.1	0.306	1460.8
698.5	0.05	0.02	34.93	28.06	5.9	0.306	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.2		31.65
BOT NUM = 2	27.5	-1.73	31.65
BOT NUM = 3	386.5	0.70	34.88
BOT NUM = 4	700.3	0.06	34.91

FRAM 1 STATION 29(1) CTD 13/APR/1979 1834 GMT CODE = 1
LAT = 84 5284N LNG = 9 2613W LTER = 2 LGER = 5
AIR TEMP = -28.9 BAROM = 1036.6 WIND = 97 0 SPEED = 4 6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.67	25.50	249.4	0.000	1436.4
3.0	-1.73	-1.73	31.67	25.50	249.4	0.008	1436.5
5.0	-1.74	-1.74	31.67	25.50	249.1	0.013	1436.5
10.0	-1.74	-1.74	31.66	25.49	249.6	0.025	1436.6
15.0	-1.74	-1.74	31.66	25.49	250.0	0.038	1436.7
20.0	-1.74	-1.74	31.66	25.49	249.4	0.050	1436.7
25.0	-1.74	-1.74	31.66	25.49	249.7	0.063	1436.8
30.0	-1.74	-1.74	31.67	25.50	248.8	0.075	1436.9
35.0	-1.74	-1.74	31.68	25.51	248.0	0.088	1437.0
40.0	-1.74	-1.74	31.82	25.62	237.4	0.100	1437.3
45.0	-1.76	-1.76	32.19	25.92	208.9	0.111	1437.8
50.0	-1.76	-1.76	32.42	26.10	191.2	0.121	1438.2
55.0	-1.78	-1.78	32.55	26.21	181.0	0.131	1438.4
60.0	-1.70	-1.70	32.63	26.28	174.7	0.140	1438.9
65.0	-1.70	-1.70	32.72	26.35	167.9	0.148	1439.2
70.0	-1.69	-1.69	32.83	26.44	159.3	0.157	1439.9
80.0	-1.57	-1.57	33.04	26.60	143.8	0.172	1440.5
90.0	-1.59	-1.59	33.38	26.88	117.1	0.185	1441.0
100.0	-1.60	-1.60	33.69	27.13	93.7	0.196	1441.6
110.0	-1.53	-1.54	33.88	27.29	79.0	0.204	1442.3
120.0	-1.50	-1.50	34.04	27.42	66.6	0.212	1442.9
130.0	-1.44	-1.44	34.16	27.51	58.1	0.218	1443.5
140.0	-1.32	-1.32	34.26	27.59	50.4	0.223	1444.4
150.0	-1.17	-1.18	34.33	27.64	45.3	0.228	1445.3
160.0	-1.07	-1.07	34.39	27.68	41.5	0.233	1446.0
170.0	-0.95	-0.96	34.45	27.72	37.4	0.237	1446.9
180.0	-0.81	-0.81	34.50	27.76	34.4	0.240	1447.8
190.0	-0.63	-0.63	34.55	27.79	31.1	0.244	1448.8
200.0	-0.48	-0.48	34.60	27.82	28.2	0.247	1449.8
210.0	-0.36	-0.37	34.62	27.84	27.0	0.249	1450.5
220.0	-0.20	-0.21	34.66	27.86	24.6	0.252	1451.4
230.0	-0.09	-0.10	34.69	27.88	22.8	0.254	1452.2
240.0	0.04	0.03	34.73	27.91	20.5	0.257	1453.0
250.0	0.17	0.16	34.77	27.93	18.6	0.259	1453.8
260.0	0.28	0.27	34.80	27.95	17.0	0.260	1454.5
270.0	0.30	0.29	34.81	27.95	16.5	0.262	1454.8
280.0	0.36	0.35	34.82	27.96	16.1	0.264	1455.2
290.0	0.46	0.45	34.85	27.98	14.3	0.265	1455.9
300.0	0.50	0.49	34.86	27.99	13.5	0.267	1456.3
310.0	0.54	0.53	34.86	27.98	14.0	0.268	1456.6
320.0	0.58	0.56	34.87	27.99	13.5	0.269	1456.9
330.0	0.58	0.56	34.87	27.99	13.5	0.271	1457.1
340.0	0.58	0.57	34.88	28.00	12.8	0.272	1457.3
350.0	0.62	0.61	34.89	28.00	12.3	0.273	1457.7
370.0	0.67	0.65	34.90	28.01	11.9	0.276	1458.2
390.0	0.68	0.67	34.90	28.01	11.8	0.278	1458.6
410.0	0.63	0.61	34.90	28.01	11.8	0.281	1458.7
430.0	0.59	0.57	34.91	28.02	11.0	0.283	1458.9
450.0	0.57	0.55	34.91	28.02	10.8	0.285	1459.1
470.0	0.53	0.51	34.91	28.02	10.5	0.287	1459.3
490.0	0.50	0.48	34.91	28.03	10.0	0.289	1459.5
510.0	0.45	0.42	34.92	28.03	9.3	0.291	1459.6
530.0	0.41	0.39	34.92	28.04	8.8	0.293	1459.7
550.0	0.38	0.35	34.92	28.04	8.6	0.295	1459.9
570.0	0.28	0.25	34.91	28.04	8.5	0.297	1459.8
590.0	0.24	0.21	34.92	28.05	7.8	0.298	1460.0
610.0	0.20	0.17	34.92	28.05	7.7	0.300	1460.1
630.0	0.18	0.15	34.92	28.05	7.5	0.301	1460.3
650.0	0.13	0.10	34.92	28.06	6.8	0.303	1460.5
670.0	0.09	0.06	34.92	28.06	6.8	0.304	1460.6
690.0	0.07	0.04	34.91	28.05	7.1	0.306	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.7		31.69
BOT NUM = 2	29.3	-1.74	31.65
BOT NUM = 3	387.8	0.69	34.88
BOT NUM = 4	702.6	0.04	34.91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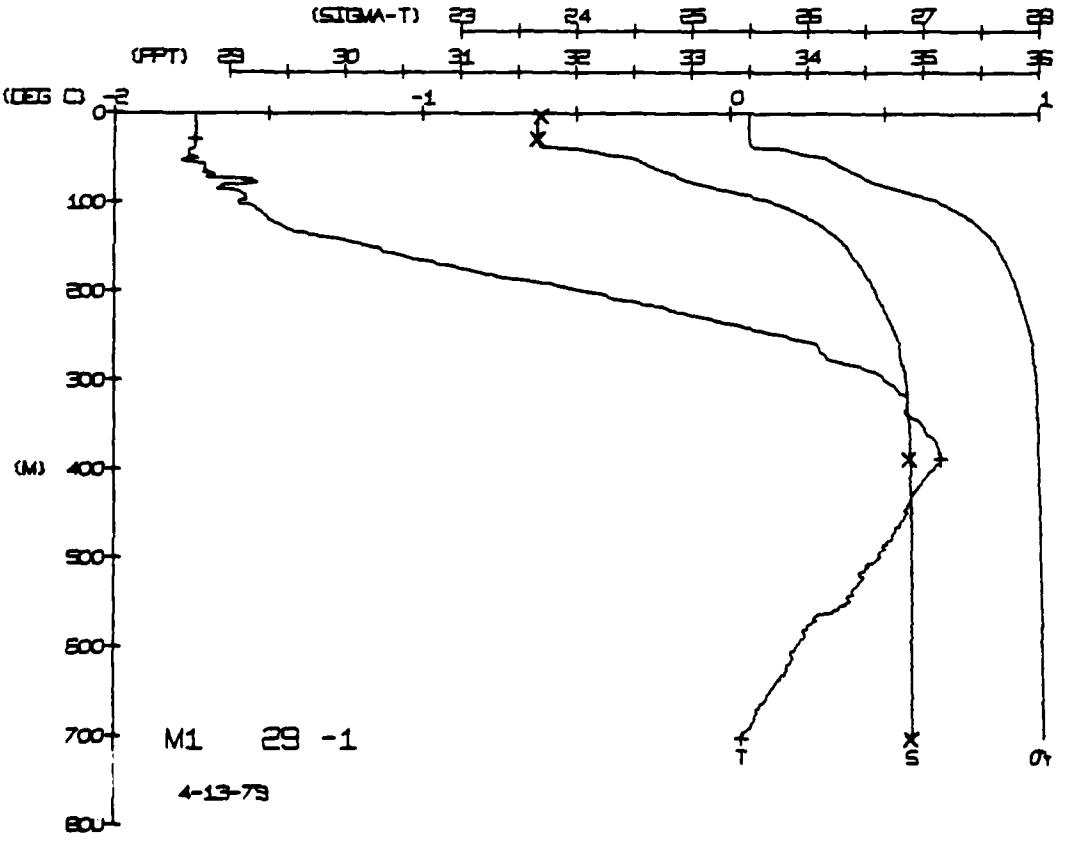
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(PPT)
(DEG C)
(M)
M1 29 -1
4-13-79
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S

FRAM 1 STATION 30(1) CTD 14/APR/1979 724 GMT CODE = 1
LAT = 84 5236N LNG = 9 2587W LTER = 12. LGER = 30.
AIR TEMP = -28.9 BAROM = 1040.8 WIND = 97.0 SPEED = 4.6

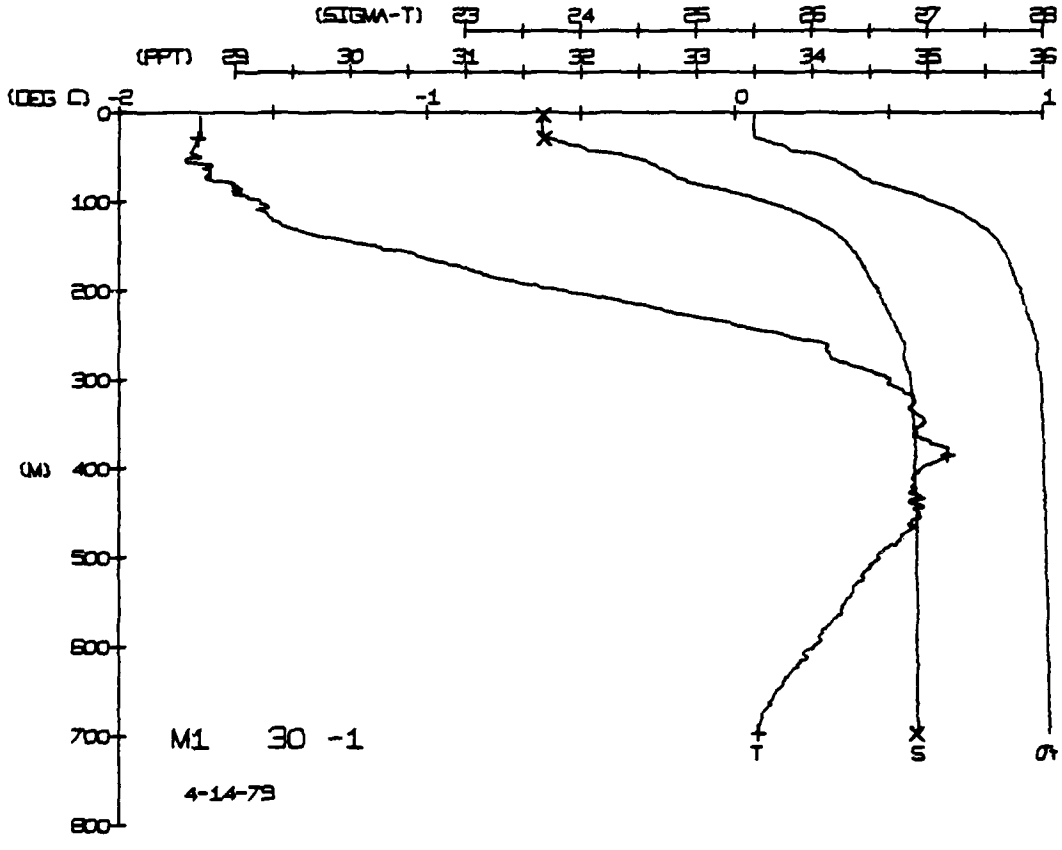
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.67	25.50	249.0	0.000	1436.4
3.1	-1.74	-1.74	31.67	25.50	248.9	0.008	1436.5
5.0	-1.74	-1.74	31.67	25.50	249.2	0.013	1436.5
10.0	-1.74	-1.74	31.67	25.50	249.4	0.025	1436.6
15.0	-1.74	-1.74	31.66	25.49	249.5	0.038	1436.7
20.0	-1.73	-1.73	31.66	25.49	249.6	0.050	1436.8
25.0	-1.73	-1.73	31.67	25.50	248.7	0.063	1436.9
30.0	-1.74	-1.74	31.73	25.55	244.1	0.075	1437.0
35.0	-1.75	-1.75	31.88	25.67	232.8	0.087	1437.2
40.0	-1.76	-1.76	32.04	25.80	220.6	0.099	1437.5
45.0	-1.77	-1.77	32.18	25.91	209.8	0.109	1437.7
50.0	-1.73	-1.73	32.41	26.10	191.8	0.120	1438.3
55.0	-1.78	-1.79	32.57	26.22	179.7	0.129	1438.4
60.0	-1.70	-1.70	32.65	26.29	173.1	0.138	1439.0
65.0	-1.71	-1.71	32.73	26.36	167.1	0.146	1439.1
70.0	-1.71	-1.71	32.79	26.40	162.8	0.155	1439.3
80.0	-1.63	-1.63	32.97	26.55	148.5	0.170	1440.1
90.0	-1.61	-1.61	33.31	26.82	123.0	0.184	1440.8
100.0	-1.54	-1.55	33.59	27.05	101.3	0.195	1441.7
110.0	-1.54	-1.55	33.83	27.24	83.1	0.205	1442.2
120.0	-1.51	-1.51	34.00	27.38	70.3	0.212	1442.8
130.0	-1.44	-1.45	34.14	27.49	59.4	0.219	1443.4
140.0	-1.35	-1.35	34.25	27.58	51.3	0.225	1444.2
150.0	-1.18	-1.19	34.32	27.63	46.3	0.229	1445.2
160.0	-1.04	-1.04	34.39	27.68	41.5	0.234	1446.2
170.0	-0.94	-0.94	34.44	27.72	38.2	0.238	1446.9
180.0	-0.83	-0.84	34.48	27.75	35.5	0.242	1447.6
190.0	-0.72	-0.73	34.52	27.77	32.8	0.245	1448.3
200.0	-0.56	-0.57	34.57	27.81	29.6	0.248	1449.3
210.0	-0.40	-0.40	34.61	27.83	27.5	0.251	1450.3
220.0	-0.25	-0.26	34.65	27.85	25.5	0.254	1451.2
230.0	-0.12	-0.13	34.68	27.88	23.6	0.256	1452.0
240.0	0.02	0.01	34.72	27.90	21.3	0.259	1452.9
250.0	0.16	0.15	34.77	27.93	18.7	0.261	1453.7
260.0	0.29	0.28	34.80	27.95	16.9	0.262	1454.5
270.0	0.31	0.30	34.80	27.95	16.7	0.264	1454.8
280.0	0.34	0.33	34.81	27.96	16.1	0.266	1455.1
290.0	0.44	0.43	34.84	27.97	14.8	0.267	1455.8
300.0	0.50	0.49	34.86	27.98	13.8	0.269	1456.2
310.0	0.53	0.51	34.86	27.98	13.9	0.270	1456.5
320.0	0.58	0.56	34.87	27.99	13.6	0.272	1456.9
330.0	0.58	0.57	34.87	27.99	13.6	0.273	1457.1
340.0	0.59	0.58	34.88	27.99	13.0	0.274	1457.4
350.0	0.61	0.59	34.89	28.00	12.5	0.276	1457.6
370.0	0.63	0.62	34.89	28.00	12.5	0.278	1458.0
390.0	0.67	0.65	34.90	28.01	11.9	0.281	1458.6
410.0	0.58	0.56	34.89	28.01	11.9	0.283	1458.5
430.0	0.58	0.56	34.91	28.02	10.6	0.285	1458.8
450.0	0.60	0.58	34.92	28.02	10.3	0.287	1459.2
470.0	0.57	0.55	34.91	28.02	10.9	0.289	1459.4
490.0	0.50	0.48	34.90	28.02	10.5	0.292	1459.4
510.0	0.44	0.41	34.91	28.03	9.4	0.294	1459.5
530.0	0.39	0.37	34.91	28.03	9.2	0.296	1459.6
550.0	0.35	0.33	34.91	28.04	8.9	0.297	1459.8
570.0	0.32	0.29	34.92	28.04	8.2	0.299	1460.0
590.0	0.27	0.25	34.92	28.05	8.0	0.301	1460.1
610.0	0.22	0.19	34.91	28.04	8.1	0.302	1460.2
630.0	0.17	0.15	34.91	28.05	7.7	0.304	1460.3
650.0	0.13	0.11	34.92	28.05	7.0	0.305	1460.5
670.0	0.10	0.07	34.91	28.05	7.2	0.307	1460.7
690.0	0.07	0.04	34.92	28.06	6.6	0.308	1460.9
698.5	0.07	0.04	34.91	28.05	6.9	0.309	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6		31.67
BOT NUM = 2	29.5	-1.75	31.68
BOT NUM = 3	385.4	0.69	
BOT NUM = 4	698.1	0.08	34.90

FRAM 1 STATION 31(1) CTD 14/APR/1979 1828 GMT CODE = 1
LAT = 84 5213N LNG = 9 2509W LTER = 0 LGER = 0.
AIR TEMP = -29.3 BAROM = 1041.4 WIND = 87.0 SPEED = 2.3

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.68	25.51	248.6	0.000	1436.5
3.0	-1.73	-1.73	31.68	25.51	248.6	0.008	1436.5
5.0	-1.73	-1.73	31.67	25.50	249.2	0.013	1436.5
10.0	-1.73	-1.73	31.67	25.50	249.3	0.025	1436.6
15.0	-1.73	-1.73	31.67	25.50	249.3	0.038	1436.7
20.0	-1.73	-1.73	31.67	25.50	249.3	0.050	1436.8
25.0	-1.73	-1.73	31.67	25.50	249.3	0.063	1436.9
30.0	-1.74	-1.74	31.75	25.56	242.8	0.075	1437.0
35.0	-1.76	-1.76	32.03	25.79	221.0	0.087	1437.4
40.0	-1.76	-1.76	32.13	25.87	213.2	0.098	1437.6
45.0	-1.77	-1.77	32.31	26.02	199.7	0.108	1437.9
50.0	-1.78	-1.78	32.51	26.18	184.0	0.118	1438.2
55.0	-1.78	-1.78	32.60	26.25	177.4	0.127	1438.4
60.0	-1.78	-1.78	32.68	26.32	171.1	0.136	1438.6
65.0	-1.78	-1.78	32.74	26.36	166.5	0.144	1438.8
70.0	-1.78	-1.78	32.79	26.41	162.5	0.152	1439.0
80.0	-1.67	-1.67	32.90	26.50	153.7	0.168	1439.8
90.0	-1.60	-1.60	33.27	26.79	125.6	0.182	1440.8
100.0	-1.59	-1.59	33.57	27.03	103.0	0.194	1441.5
110.0	-1.57	-1.57	33.83	27.24	83.1	0.203	1442.1
120.0	-1.51	-1.51	34.02	27.40	68.1	0.211	1442.8
130.0	-1.44	-1.44	34.17	27.52	57.1	0.217	1443.5
140.0	-1.33	-1.33	34.26	27.59	50.3	0.223	1444.3
150.0	-1.19	-1.19	34.33	27.64	45.6	0.228	1445.3
160.0	-1.08	-1.09	34.38	27.68	41.9	0.232	1446.0
170.0	-0.99	-0.99	34.43	27.71	38.6	0.236	1446.7
180.0	-0.83	-0.84	34.48	27.75	35.2	0.240	1447.6
190.0	-0.69	-0.70	34.53	27.78	32.2	0.243	1448.5
200.0	-0.52	-0.52	34.59	27.82	28.9	0.246	1449.6
210.0	-0.38	-0.39	34.63	27.85	26.1	0.249	1450.4
220.0	-0.24	-0.24	34.66	27.86	24.8	0.252	1451.3
230.0	-0.10	-0.11	34.69	27.88	22.9	0.254	1452.1
240.0	0.00	0.00	34.72	27.90	20.9	0.256	1452.8
250.0	0.14	0.13	34.76	27.93	18.7	0.258	1453.6
260.0	0.26	0.25	34.79	27.94	17.5	0.260	1454.4
270.0	0.31	0.30	34.80	27.95	16.7	0.262	1454.8
280.0	0.34	0.32	34.81	27.96	16.1	0.263	1455.1
290.0	0.43	0.42	34.84	27.97	14.8	0.265	1455.7
300.0	0.51	0.50	34.86	27.98	13.8	0.266	1456.3
310.0	0.54	0.53	34.87	27.99	13.4	0.268	1456.6
320.0	0.57	0.56	34.87	27.99	13.4	0.269	1456.9
330.0	0.57	0.56	34.87	27.99	13.5	0.271	1457.1
340.0	0.58	0.56	34.87	27.99	13.1	0.272	1457.3
350.0	0.62	0.60	34.88	28.00	12.6	0.273	1457.6
370.0	0.66	0.64	34.90	28.00	12.2	0.276	1458.2
390.0	0.69	0.67	34.90	28.01	11.8	0.278	1458.6
410.0	0.64	0.62	34.90	28.01	11.7	0.281	1458.8
430.0	0.60	0.58	34.91	28.02	11.1	0.283	1458.9
450.0	0.57	0.55	34.91	28.02	10.7	0.285	1459.1
470.0	0.54	0.52	34.91	28.03	10.1	0.287	1459.3
490.0	0.49	0.47	34.91	28.03	9.7	0.289	1459.4
510.0	0.44	0.42	34.91	28.03	9.5	0.291	1459.5
530.0	0.40	0.38	34.91	28.03	9.2	0.293	1459.7
550.0	0.35	0.33	34.91	28.04	9.1	0.295	1459.8
570.0	0.31	0.28	34.91	28.04	8.8	0.297	1459.9
590.0	0.26	0.23	34.91	28.04	8.3	0.298	1460.0
610.0	0.23	0.20	34.92	28.05	7.4	0.300	1460.2
630.0	0.17	0.15	34.92	28.05	7.5	0.301	1460.3
650.0	0.15	0.12	34.91	28.05	7.3	0.303	1460.5
670.0	0.11	0.08	34.92	28.05	6.9	0.304	1460.7
690.0	0.08	0.05	34.92	28.06	6.8	0.306	1460.9
698.9	0.06	0.03	34.94	28.08	4.7	0.306	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.0		31.66
BOT NUM = 2	26.0	-1.73	31.66
BOT NUM = 3	25.7	-1.73	31.65
BOT NUM = 4	386.9	0.69	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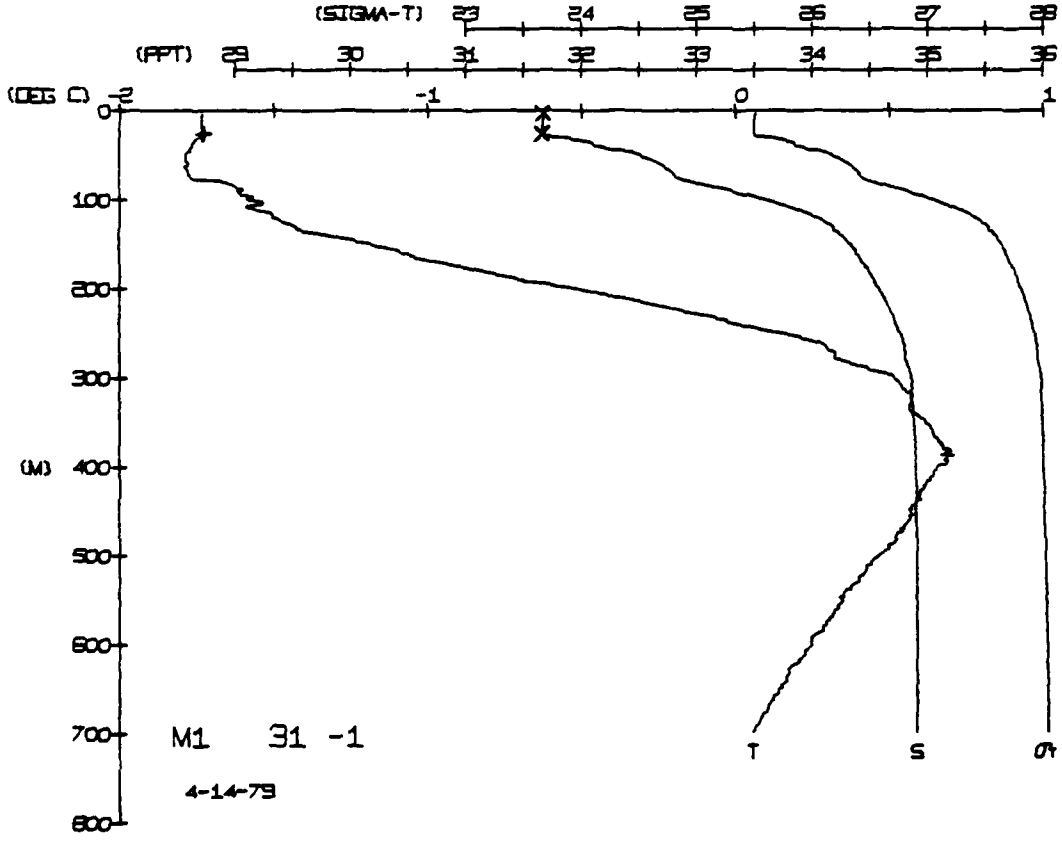
(PPT)
(DEG C)
(M)
M1 30 -1
4-14-79
T
S
σt


(SIGMA-T)
(PPT)
(DEG C)
(M)
M1 31 -1
4-14-79
T
S
σt

FRAM 1 STATION 32(1) CTD 15/APR/1979 928 GMT CODE = 1
LAT = 84 5187N LNG = 9 2420W LTER = 1. LGER = 1.
AIR TEMP = -29 3 BAROM = 1041 3 WIND = 87 0 SPEED = 2 3

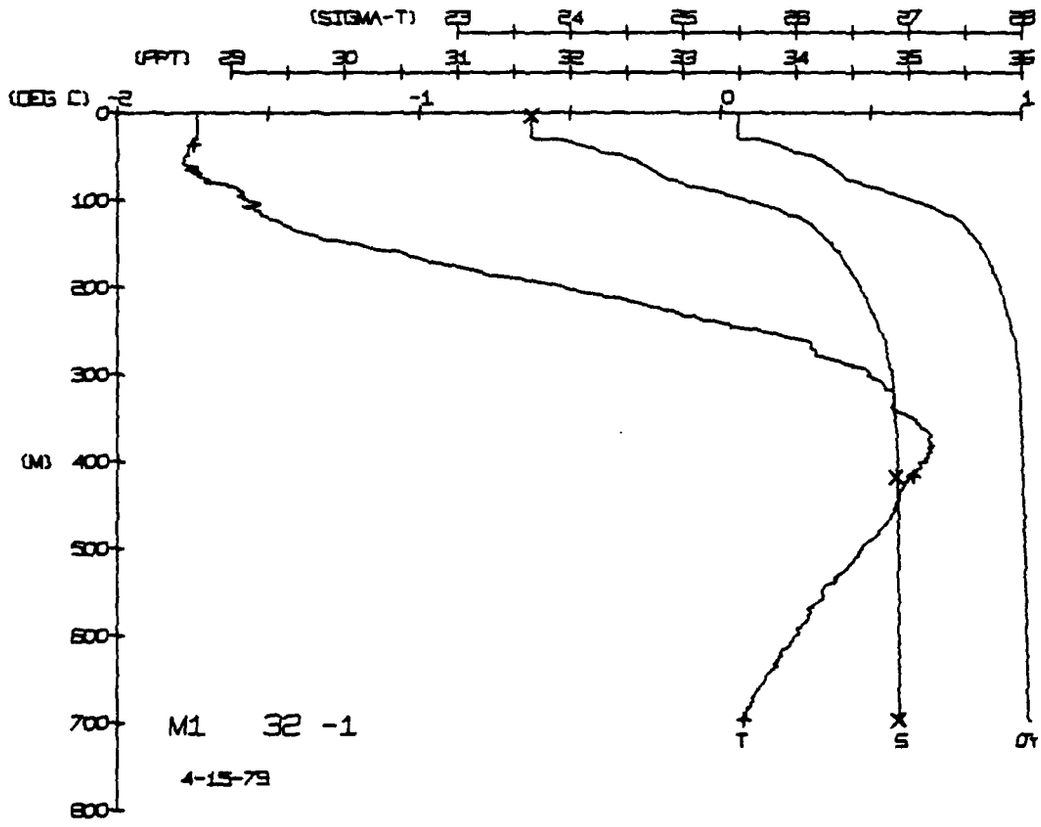
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.67	25.50	249.3	0.000	1436.4
3.1	-1.73	-1.74	31.67	25.50	249.3	0.008	1436.5
5.0	-1.73	-1.73	31.67	25.50	249.5	0.013	1436.5
10.0	-1.74	-1.74	31.66	25.49	249.9	0.025	1436.6
15.0	-1.73	-1.73	31.65	25.49	250.2	0.038	1436.7
20.0	-1.73	-1.73	31.65	25.48	250.5	0.050	1436.7
25.0	-1.73	-1.74	31.66	25.49	249.8	0.063	1436.8
30.0	-1.74	-1.74	31.67	25.50	248.9	0.075	1436.9
35.0	-1.76	-1.76	32.02	25.78	222.1	0.087	1437.4
40.0	-1.76	-1.76	32.14	25.88	212.9	0.098	1437.6
45.0	-1.77	-1.77	32.24	25.96	204.6	0.109	1437.8
50.0	-1.78	-1.78	32.46	26.14	188.1	0.119	1438.2
55.0	-1.78	-1.78	32.57	26.23	179.6	0.128	1438.4
60.0	-1.78	-1.78	32.64	26.28	174.2	0.137	1438.6
65.0	-1.77	-1.77	32.72	26.35	167.7	0.145	1438.8
70.0	-1.75	-1.75	32.78	26.39	163.5	0.154	1439.1
80.0	-1.71	-1.71	32.94	26.53	150.8	0.170	1439.7
90.0	-1.60	-1.60	33.26	26.78	126.8	0.184	1440.8
100.0	-1.57	-1.58	33.55	27.01	104.6	0.195	1441.5
110.0	-1.55	-1.55	33.81	27.22	84.8	0.205	1442.1
120.0	-1.51	-1.51	34.01	27.39	68.8	0.213	1442.8
130.0	-1.45	-1.45	34.15	27.50	58.4	0.219	1443.5
140.0	-1.37	-1.38	34.22	27.56	53.3	0.225	1444.1
150.0	-1.24	-1.24	34.31	27.62	47.1	0.230	1445.0
160.0	-1.08	-1.08	34.38	27.68	42.0	0.234	1446.0
170.0	-0.98	-0.98	34.43	27.71	38.9	0.238	1446.7
180.0	-0.84	-0.85	34.49	27.75	35.0	0.242	1447.6
190.0	-0.70	-0.71	34.53	27.78	32.5	0.245	1448.4
200.0	-0.54	-0.54	34.57	27.81	29.7	0.249	1449.4
210.0	-0.40	-0.41	34.61	27.83	27.4	0.251	1450.3
220.0	-0.27	-0.28	34.64	27.85	25.5	0.254	1451.1
230.0	-0.16	-0.17	34.67	27.87	23.9	0.257	1451.8
240.0	-0.03	-0.04	34.71	27.90	21.5	0.259	1452.6
250.0	0.12	0.11	34.75	27.92	19.6	0.261	1453.5
260.0	0.24	0.23	34.78	27.94	17.8	0.263	1454.3
270.0	0.30	0.29	34.80	27.95	16.7	0.265	1454.8
280.0	0.32	0.31	34.80	27.95	16.8	0.266	1455.0
290.0	0.41	0.42	34.84	27.97	15.0	0.268	1455.8
300.0	0.50	0.48	34.85	27.98	14.4	0.269	1456.2
310.0	0.53	0.52	34.86	27.99	13.6	0.271	1456.6
320.0	0.57	0.56	34.86	27.98	13.8	0.272	1456.9
330.0	0.58	0.56	34.87	27.99	13.1	0.274	1457.1
340.0	0.57	0.56	34.87	27.99	13.3	0.275	1457.2
350.0	0.63	0.61	34.89	28.00	12.7	0.276	1457.7
370.0	0.70	0.69	34.90	28.01	11.8	0.279	1458.3
390.0	0.70	0.68	34.90	28.01	11.9	0.281	1458.7
410.0	0.66	0.64	34.90	28.01	11.9	0.284	1458.8
430.0	0.61	0.59	34.90	28.01	11.2	0.286	1458.9
450.0	0.58	0.56	34.91	28.02	11.0	0.288	1459.2
470.0	0.56	0.53	34.91	28.02	10.8	0.290	1459.4
490.0	0.51	0.49	34.91	28.02	10.2	0.292	1459.5
510.0	0.45	0.43	34.91	28.03	9.8	0.294	1459.6
530.0	0.39	0.37	34.91	28.03	9.2	0.296	1459.7
550.0	0.34	0.31	34.91	28.04	9.0	0.298	1459.7
570.0	0.29	0.26	34.91	28.04	8.5	0.300	1459.8
590.0	0.27	0.24	34.92	28.04	8.2	0.302	1460.1
610.0	0.23	0.20	34.93	28.05	7.2	0.303	1460.3
630.0	0.19	0.16	34.92	28.05	7.5	0.305	1460.4
650.0	0.15	0.12	34.92	28.05	7.3	0.306	1460.5
670.0	0.11	0.08	34.92	28.05	7.0	0.308	1460.7
690.0	0.08	0.05	34.92	28.06	6.5	0.309	1460.9
699.5	0.07	0.04	34.93	28.07	5.5	0.310	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.2		31.65
BOT NUM = 2	38.0	-1.75	
BOT NUM = 3	418.3	0.64	34.88
BOT NUM = 4	697.3	0.08	34.90

FRAM 1 STATION 33(1) CTD 15/APR/1979 1830 GMT CODE = 1
LAT = 84 5186N LNG = 9 2459W LTER = 0. LGER = 0.
AIR TEMP = -30 8 BAROM = 1041 0 WIND = 98 0 SPEED = 2 8

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.67	25.50	249.5	0.000	1436.4
3.1	-1.74	-1.74	31.67	25.50	249.5	0.008	1436.5
5.0	-1.74	-1.74	31.67	25.50	249.5	0.013	1436.5
10.0	-1.74	-1.74	31.66	25.49	249.7	0.025	1436.6
15.0	-1.74	-1.74	31.66	25.49	249.5	0.038	1436.7
20.0	-1.74	-1.74	31.66	25.49	249.7	0.050	1436.8
25.0	-1.73	-1.73	31.66	25.49	250.0	0.063	1436.8
30.0	-1.73	-1.73	31.66	25.50	249.3	0.075	1436.9
35.0	-1.75	-1.75	32.03	25.79	221.2	0.087	1437.4
40.0	-1.77	-1.77	32.19	25.92	208.9	0.098	1437.7
45.0	-1.77	-1.77	32.34	26.04	197.0	0.108	1438.0
50.0	-1.78	-1.78	32.51	26.18	184.2	0.118	1438.2
55.0	-1.78	-1.78	32.60	26.25	177.1	0.127	1438.4
60.0	-1.77	-1.77	32.68	26.32	170.6	0.136	1438.7
65.0	-1.79	-1.79	32.73	26.36	166.6	0.144	1438.8
70.0	-1.77	-1.77	32.77	26.39	163.7	0.153	1439.0
80.0	-1.65	-1.65	32.93	26.52	151.4	0.168	1440.0
90.0	-1.60	-1.60	33.27	26.79	125.7	0.182	1440.8
100.0	-1.56	-1.56	33.57	27.03	103.2	0.194	1441.6
110.0	-1.52	-1.52	33.83	27.24	83.2	0.203	1442.3
120.0	-1.51	-1.51	34.02	27.40	68.5	0.211	1442.8
130.0	-1.44	-1.45	34.16	27.51	58.0	0.217	1443.5
140.0	-1.34	-1.34	34.25	27.58	50.9	0.223	1444.3
150.0	-1.21	-1.22	34.33	27.64	45.8	0.228	1445.1
160.0	-1.08	-1.09	34.39	27.68	41.6	0.232	1446.0
170.0	-0.96	-0.96	34.44	27.72	38.0	0.236	1446.8
180.0	-0.81	-0.82	34.49	27.75	35.0	0.240	1447.7
190.0	-0.65	-0.65	34.54	27.79	31.4	0.243	1448.7
200.0	-0.50	-0.50	34.59	27.82	28.7	0.246	1449.6
210.0	-0.34	-0.35	34.63	27.85	26.2	0.249	1450.6
220.0	-0.22	-0.23	34.66	27.87	24.3	0.252	1451.3
230.0	-0.10	-0.11	34.70	27.89	22.6	0.254	1452.1
240.0	0.02	0.02	34.73	27.91	20.3	0.256	1452.9
250.0	0.17	0.16	34.77	27.93	18.2	0.258	1453.8
260.0	0.30	0.29	34.81	27.95	16.4	0.260	1454.6
270.0	0.32	0.30	34.81	27.96	16.2	0.261	1454.8
280.0	0.32	0.31	34.81	27.96	16.4	0.263	1455.0
290.0	0.43	0.41	34.84	27.98	14.5	0.265	1455.7
300.0	0.51	0.50	34.86	27.99	13.5	0.266	1456.3
310.0	0.55	0.53	34.87	27.99	13.5	0.267	1456.6
320.0	0.57	0.56	34.87	27.99	13.4	0.269	1456.9
330.0	0.57	0.56	34.87	27.99	13.4	0.270	1457.1
340.0	0.58	0.57	34.87	27.99	13.2	0.272	1457.3
350.0	0.62	0.60	34.88	28.00	12.9	0.273	1457.6
370.0	0.68	0.66	34.90	28.00	12.3	0.275	1458.3
390.0	0.70	0.68	34.90	28.01	11.8	0.278	1458.7
410.0	0.67	0.66	34.90	28.01	11.7	0.280	1458.9
430.0	0.62	0.60	34.91	28.02	11.0	0.282	1459.0
450.0	0.58	0.56	34.91	28.02	10.9	0.285	1459.1
470.0	0.55	0.53	34.91	28.02	10.4	0.287	1459.4
490.0	0.51	0.49	34.91	28.03	10.0	0.289	1459.5
510.0	0.44	0.42	34.91	28.03	9.4	0.291	1459.5
530.0	0.40	0.38	34.91	28.03	9.5	0.293	1459.7
550.0	0.34	0.32	34.91	28.04	8.9	0.295	1459.7
570.0	0.29	0.26	34.91	28.04	8.6	0.296	1459.8
590.0	0.26	0.23	34.91	28.04	8.3	0.298	1460.0
610.0	0.22	0.20	34.92	28.05	7.9	0.300	1460.2
630.0	0.19	0.16	34.92	28.05	7.5	0.301	1460.4
650.0	0.15	0.13	34.92	28.05	7.2	0.303	1460.6
670.0	0.11	0.08	34.92	28.05	7.1	0.304	1460.7
690.0	0.07	0.04	34.92	28.06	6.6	0.306	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.2	-1.74	31.65
BOT NUM = 2	25.9	-1.75	31.65
BOT NUM = 3	384.5	0.73	34.89
BOT NUM = 4	700.2	0.06	34.90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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
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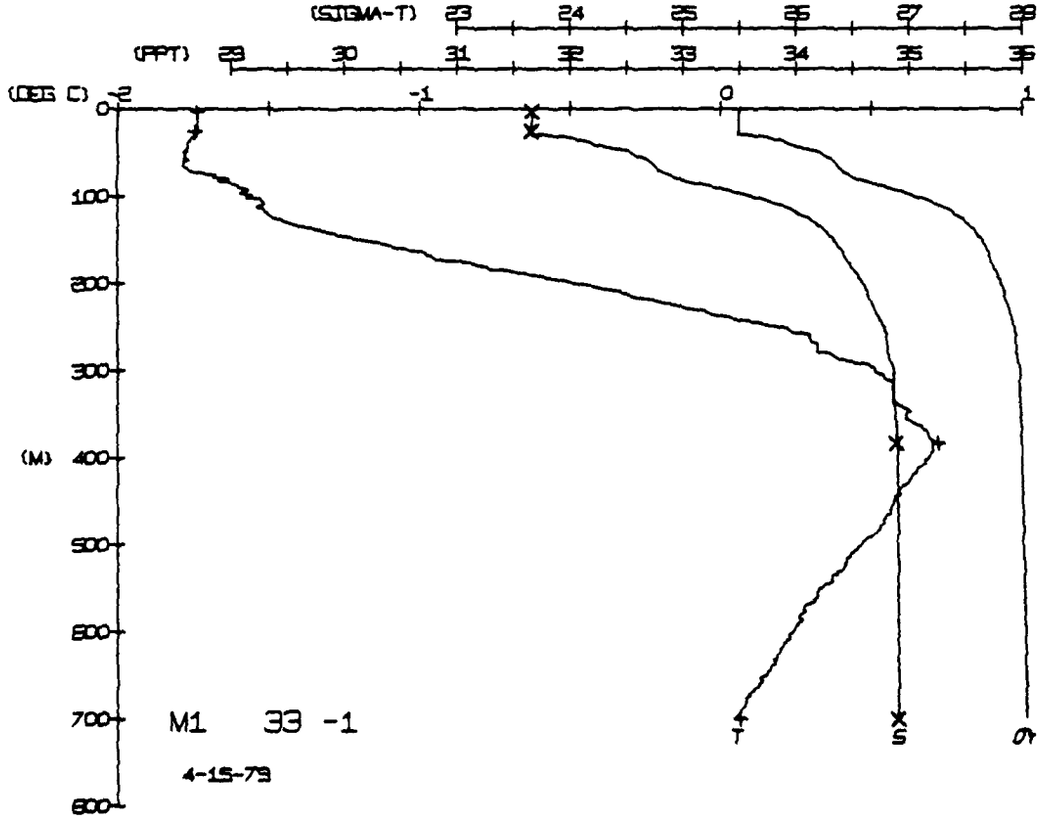
700
800
M1 32 -1
4-15-79
T
S
σT


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
500
600
700
800
M1 33 -1
4-15-79
T
S
σT

FRAM 1 STATION 34(1) CTD 16/APR/1979 706 GMT CODE = 1
LAT = 84 5178N LNG = 9 2486W LTER = 1 LGER = 2
AIR TEMP = -30 8 BAROM = 1040 3 WIND = 98 0 SPEED = 2 8

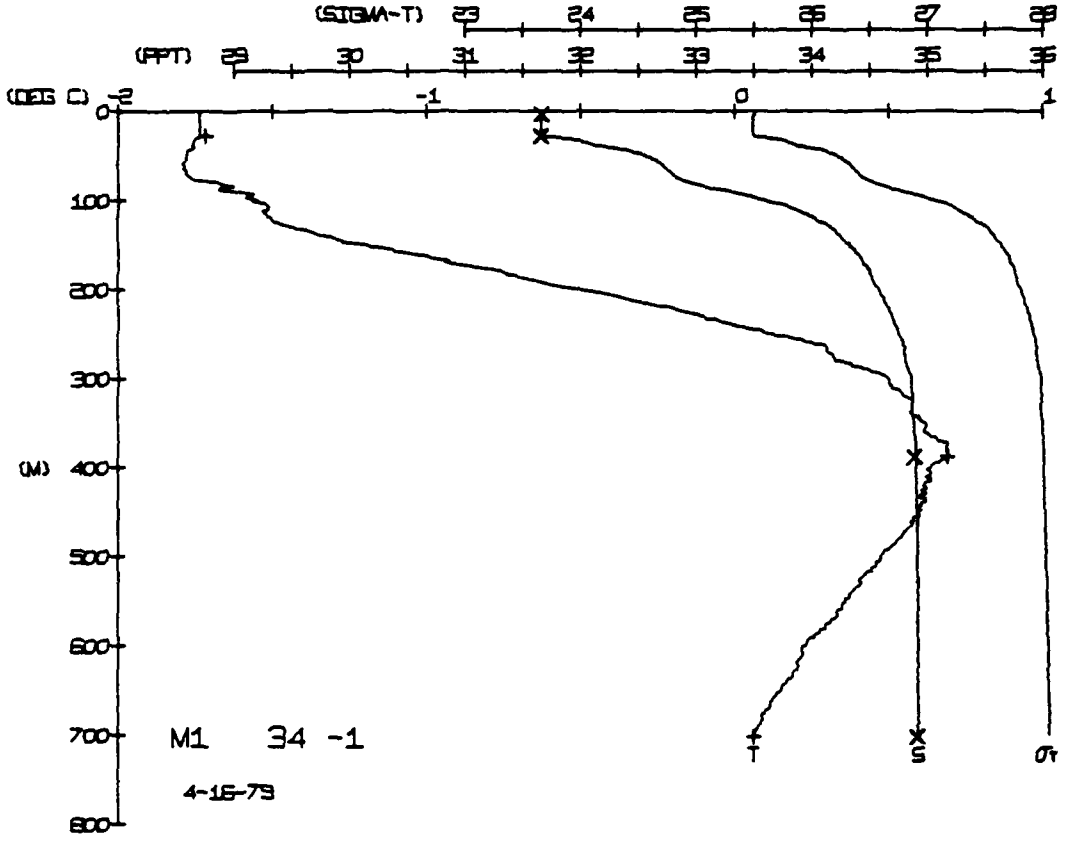
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.67	25.50	249.1	0.000	1436.4
3.0	-1.74	-1.74	31.67	25.50	249.1	0.008	1436.5
5.0	-1.74	-1.74	31.66	25.49	249.6	0.013	1436.5
10.0	-1.74	-1.74	31.66	25.49	249.5	0.025	1436.6
15.0	-1.74	-1.74	31.66	25.49	249.6	0.038	1436.7
20.0	-1.74	-1.74	31.66	25.49	249.8	0.050	1436.8
25.0	-1.73	-1.73	31.65	25.49	250.1	0.063	1436.8
30.0	-1.74	-1.74	31.80	25.60	239.2	0.075	1437.1
35.0	-1.76	-1.76	32.03	25.79	220.7	0.087	1437.4
40.0	-1.76	-1.76	32.19	25.92	209.0	0.098	1437.7
45.0	-1.78	-1.78	32.42	26.11	190.9	0.108	1438.0
50.0	-1.78	-1.78	32.55	26.22	180.7	0.117	1438.3
55.0	-1.78	-1.78	32.64	26.29	173.6	0.126	1438.5
60.0	-1.79	-1.79	32.70	26.34	169.2	0.135	1438.6
65.0	-1.79	-1.79	32.75	26.37	165.7	0.143	1438.8
70.0	-1.78	-1.78	32.78	26.40	162.9	0.151	1438.9
80.0	-1.68	-1.68	32.94	26.53	151.0	0.167	1439.8
90.0	-1.63	-1.63	33.24	26.77	127.7	0.181	1440.6
100.0	-1.56	-1.56	33.57	27.03	102.8	0.193	1441.6
110.0	-1.52	-1.52	33.83	27.25	82.7	0.202	1442.3
120.0	-1.51	-1.51	34.02	27.40	68.1	0.210	1442.8
130.0	-1.43	-1.44	34.17	27.51	57.4	0.216	1443.5
140.0	-1.35	-1.36	34.24	27.57	52.0	0.222	1444.2
150.0	-1.21	-1.21	34.32	27.63	46.2	0.227	1445.1
160.0	-1.05	-1.06	34.39	27.68	41.3	0.231	1446.1
170.0	-0.94	-0.95	34.44	27.72	38.3	0.235	1446.9
180.0	-0.77	-0.77	34.50	27.76	34.6	0.239	1447.9
190.0	-0.66	-0.67	34.53	27.78	32.3	0.242	1448.7
200.0	-0.51	-0.52	34.58	27.82	28.9	0.245	1449.6
210.0	-0.36	-0.37	34.63	27.85	26.2	0.248	1450.5
220.0	-0.23	-0.24	34.65	27.86	24.9	0.250	1451.3
230.0	-0.11	-0.12	34.69	27.88	23.1	0.253	1452.0
240.0	-0.02	-0.03	34.72	27.90	21.3	0.255	1452.7
250.0	0.11	0.10	34.75	27.92	19.5	0.257	1453.5
260.0	0.24	0.23	34.79	27.95	17.2	0.259	1454.3
270.0	0.30	0.29	34.80	27.95	16.6	0.261	1454.8
280.0	0.32	0.31	34.81	27.95	16.7	0.262	1455.0
290.0	0.42	0.41	34.83	27.97	15.1	0.264	1455.7
300.0	0.49	0.48	34.86	27.99	13.7	0.266	1456.2
310.0	0.51	0.49	34.86	27.98	14.1	0.267	1456.4
320.0	0.55	0.53	34.87	27.99	13.3	0.268	1456.8
330.0	0.58	0.56	34.87	27.99	13.6	0.270	1457.1
340.0	0.57	0.56	34.87	27.99	13.3	0.271	1457.2
350.0	0.61	0.59	34.88	28.00	12.6	0.272	1457.6
370.0	0.65	0.64	34.89	28.00	12.6	0.275	1458.1
390.0	0.68	0.66	34.90	28.00	12.2	0.277	1458.6
410.0	0.63	0.61	34.90	28.01	11.6	0.280	1458.7
430.0	0.62	0.60	34.90	28.01	11.3	0.282	1459.0
450.0	0.60	0.58	34.91	28.02	11.0	0.284	1459.2
470.0	0.56	0.53	34.91	28.03	10.2	0.286	1459.4
490.0	0.50	0.48	34.91	28.03	9.9	0.289	1459.5
510.0	0.46	0.43	34.91	28.03	9.6	0.290	1459.6
530.0	0.41	0.38	34.92	28.04	8.9	0.292	1459.7
550.0	0.35	0.33	34.92	28.04	8.4	0.294	1459.8
570.0	0.32	0.30	34.92	28.04	8.4	0.296	1460.0
590.0	0.26	0.23	34.91	28.04	8.4	0.297	1460.0
610.0	0.22	0.19	34.92	28.05	7.6	0.299	1460.2
630.0	0.19	0.16	34.91	28.05	7.8	0.301	1460.4
650.0	0.15	0.12	34.91	28.05	7.7	0.302	1460.5
670.0	0.11	0.08	34.91	28.05	7.3	0.304	1460.7
690.0	0.08	0.05	34.92	28.05	6.8	0.305	1460.9
701.7	0.06	0.03	34.92	28.06	6.7	0.306	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4		31.65
BOT NUM = 2	27.7	-1.72	31.65
BOT NUM = 3	388.3	0.69	34.88
BOT NUM = 4	703.1	0.06	34.90

FRAM 1 STATION 35(1) CTD 16/APR/1979 1817 GMT CODE = 1
LAT = 84 5201N LNG = 9 3347W LTER = 0 LGER = 0
AIR TEMP = -31 7 BAROM = 1036 8 WIND = 80 0 SPEED = 3 6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.67	25.50	249.3	0.000	1436.4
3.0	-1.73	-1.73	31.67	25.50	249.3	0.008	1436.5
5.0	-1.73	-1.73	31.67	25.50	249.2	0.013	1436.5
10.0	-1.73	-1.73	31.67	25.50	249.4	0.025	1436.6
15.0	-1.74	-1.74	31.67	25.50	249.2	0.038	1436.7
20.0	-1.73	-1.73	31.67	25.50	248.9	0.050	1436.8
25.0	-1.73	-1.73	31.67	25.50	248.6	0.063	1436.9
30.0	-1.74	-1.74	31.74	25.56	243.2	0.075	1437.0
35.0	-1.75	-1.75	31.99	25.76	224.0	0.087	1437.4
40.0	-1.76	-1.76	32.20	25.93	209.0	0.098	1437.7
45.0	-1.77	-1.78	32.44	26.12	189.8	0.108	1438.1
50.0	-1.77	-1.77	32.54	26.21	181.5	0.117	1438.3
55.0	-1.78	-1.78	32.64	26.29	174.0	0.126	1438.5
60.0	-1.78	-1.78	32.72	26.35	169.0	0.135	1438.7
65.0	-1.79	-1.79	32.75	26.38	165.3	0.143	1438.8
70.0	-1.77	-1.78	32.79	26.41	162.5	0.151	1439.0
80.0	-1.73	-1.73	32.91	26.50	153.4	0.167	1439.5
90.0	-1.60	-1.60	33.20	26.73	131.4	0.182	1440.7
100.0	-1.55	-1.56	33.56	27.03	103.4	0.193	1441.6
110.0	-1.52	-1.52	33.82	27.23	84.0	0.203	1442.3
120.0	-1.51	-1.51	34.01	27.38	69.5	0.211	1442.8
130.0	-1.45	-1.45	34.14	27.49	59.1	0.217	1443.4
140.0	-1.33	-1.33	34.26	27.58	50.8	0.223	1444.3
150.0	-1.18	-1.18	34.33	27.64	45.6	0.228	1445.3
160.0	-1.04	-1.05	34.40	27.69	41.1	0.232	1446.2
170.0	-0.93	-0.93	34.45	27.72	37.8	0.236	1447.0
180.0	-0.79	-0.79	34.50	27.76	34.0	0.240	1447.8
190.0	-0.65	-0.65	34.54	27.79	31.8	0.243	1448.7
200.0	-0.51	-0.51	34.59	27.82	28.8	0.246	1449.6
210.0	-0.39	-0.40	34.61	27.84	27.2	0.249	1450.3
220.0	-0.25	-0.26	34.66	27.86	24.7	0.251	1451.2
230.0	-0.13	-0.14	34.69	27.88	23.8	0.254	1452.0
240.0	0.00	-0.01	34.72	27.90	21.3	0.256	1452.8
250.0	0.14	0.13	34.76	27.92	19.1	0.258	1453.6
260.0	0.25	0.24	34.79	27.94	17.5	0.260	1454.4
270.0	0.30	0.29	34.80	27.95	16.9	0.262	1454.7
280.0	0.33	0.32	34.81	27.95	16.6	0.263	1455.1
290.0	0.43	0.41	34.84	27.97	15.0	0.265	1455.7
300.0	0.50	0.48	34.86	27.98	13.9	0.266	1456.2
310.0	0.51	0.50	34.86	27.98	14.0	0.268	1456.5
320.0	0.55	0.54	34.87	27.99	13.5	0.269	1456.8
330.0	0.57	0.55	34.87	27.99	13.5	0.270	1457.0
340.0	0.59	0.57	34.88	27.99	13.0	0.272	1457.3
350.0	0.62	0.60	34.88	28.00	12.8	0.273	1457.6
370.0	0.65	0.64	34.90	28.01	12.0	0.276	1458.1
390.0	0.68	0.67	34.90	28.01	11.7	0.278	1458.6
410.0	0.62	0.60	34.90	28.01	11.8	0.280	1458.6
430.0	0.60	0.58	34.90	28.01	11.4	0.283	1458.9
450.0	0.60	0.58	34.91	28.02	10.7	0.285	1459.2
470.0	0.56	0.53	34.91	28.03	10.2	0.287	1459.4
490.0	0.51	0.49	34.91	28.03	10.0	0.289	1459.5
510.0	0.44	0.42	34.91	28.03	9.5	0.291	1459.5
530.0	0.40	0.38	34.91	28.03	9.2	0.293	1459.7
550.0	0.34	0.32	34.91	28.04	9.1	0.295	1459.7
570.0	0.31	0.29	34.91	28.04	8.7	0.297	1459.9
590.0	0.27	0.25	34.92	28.04	8.1	0.298	1460.1
610.0	0.21	0.18	34.91	28.05	7.9	0.300	1460.2
630.0	0.17	0.14	34.91	28.05	7.8	0.302	1460.3
650.0	0.15	0.12	34.91	28.05	7.5	0.303	1460.5
670.0	0.11	0.08	34.92	28.05	7.1	0.305	1460.7
690.0	0.08	0.05	34.92	28.05	6.9	0.306	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.7		31.66
BOT NUM = 2	25.9	-1.70	
BOT NUM = 3	387.3	0.69	34.89
BOT NUM = 4	699.4	0.07	34.90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(DEG C)
(M)
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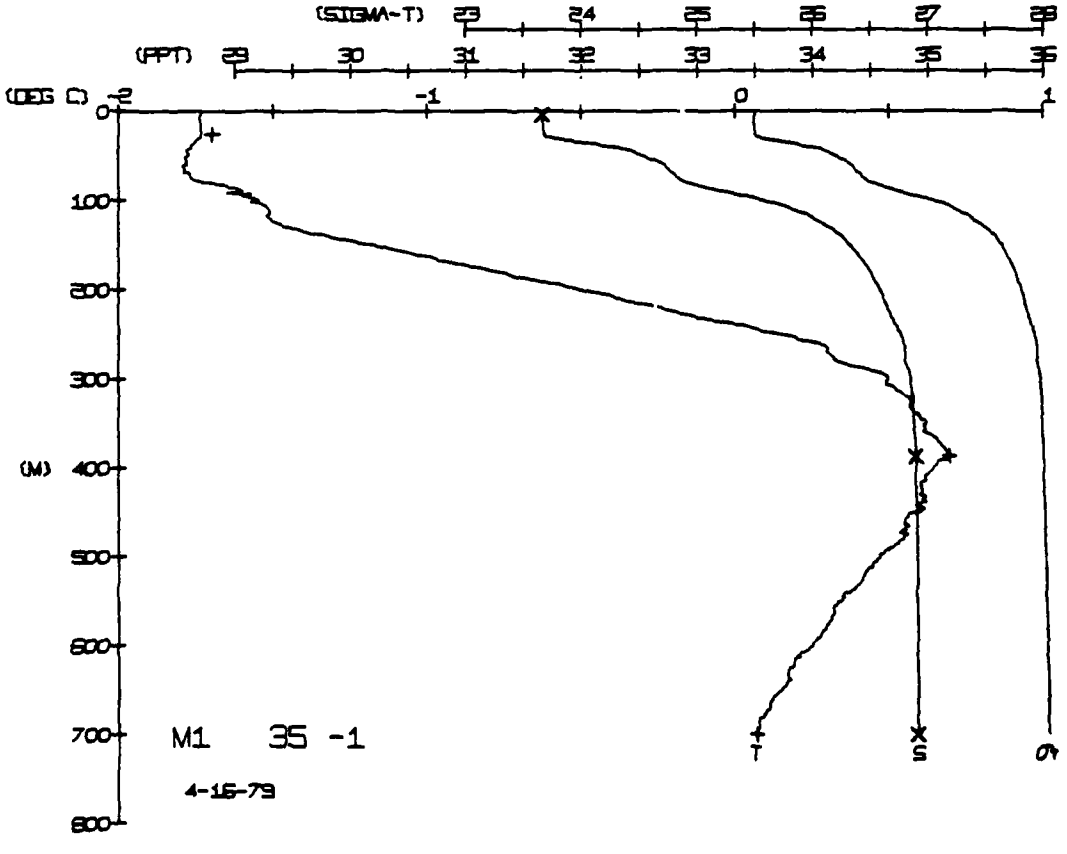
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(DEG C)
(M)
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FRAM 1 STATION 36(1) CTD 17/APR/1979 709 GMT CODE = 1
LAT = 84.5254N LNG = 9.5358W LTER = 1. LGER = 2.
AIR TEMP = -31.7 BAROM = 1030.6 WIND = 80.0 SPEED = 3.6

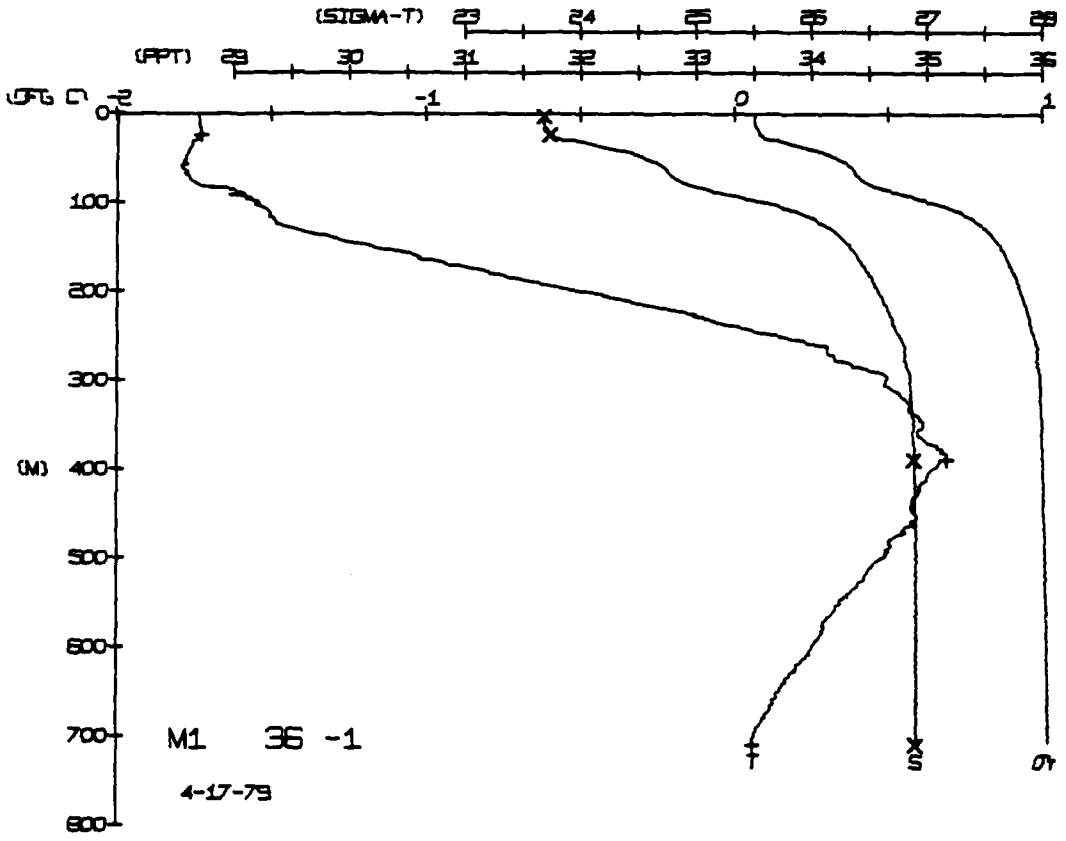
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.68	25.51	248.3	0.000	1436.5
3.1	-1.74	-1.74	31.68	25.51	248.2	0.008	1436.5
5.0	-1.74	-1.74	31.67	25.50	248.9	0.013	1436.5
10.0	-1.74	-1.74	31.68	25.51	248.2	0.025	1436.6
15.0	-1.73	-1.73	31.69	25.51	247.6	0.037	1436.7
20.0	-1.73	-1.73	31.71	25.53	245.9	0.050	1436.8
25.0	-1.74	-1.74	31.76	25.57	242.3	0.062	1437.0
30.0	-1.74	-1.74	31.83	25.63	236.6	0.074	1437.1
35.0	-1.76	-1.76	32.07	25.82	218.3	0.086	1437.5
40.0	-1.76	-1.77	32.24	25.96	205.1	0.096	1437.8
45.0	-1.77	-1.77	32.41	26.10	191.7	0.106	1438.1
50.0	-1.78	-1.78	32.52	26.19	182.9	0.116	1438.3
55.0	-1.78	-1.78	32.63	26.27	175.0	0.125	1438.5
60.0	-1.79	-1.79	32.70	26.33	169.3	0.134	1438.6
65.0	-1.78	-1.78	32.75	26.37	165.6	0.142	1438.8
70.0	-1.77	-1.77	32.78	26.40	163.0	0.150	1439.0
80.0	-1.74	-1.74	32.92	26.51	152.3	0.166	1439.5
90.0	-1.59	-1.60	33.21	26.75	130.1	0.180	1440.8
100.0	-1.55	-1.55	33.57	27.03	102.8	0.192	1441.7
110.0	-1.51	-1.51	33.86	27.27	80.7	0.201	1442.4
120.0	-1.49	-1.50	34.03	27.40	67.6	0.209	1442.9
130.0	-1.44	-1.44	34.17	27.51	57.3	0.215	1443.5
140.0	-1.31	-1.31	34.25	27.58	51.0	0.221	1444.4
150.0	-1.19	-1.19	34.33	27.64	45.5	0.225	1445.2
160.0	-1.04	-1.04	34.40	27.69	41.2	0.230	1446.2
170.0	-0.94	-0.94	34.44	27.72	38.0	0.234	1446.9
180.0	-0.80	-0.81	34.49	27.75	34.9	0.238	1447.8
190.0	-0.65	-0.66	34.54	27.78	31.9	0.241	1448.7
200.0	-0.52	-0.53	34.57	27.81	29.6	0.244	1449.5
210.0	-0.38	-0.39	34.61	27.83	27.4	0.247	1450.4
220.0	-0.24	-0.25	34.66	27.86	24.7	0.249	1451.3
230.0	-0.13	-0.14	34.69	27.88	22.7	0.252	1452.0
240.0	0.00	-0.01	34.72	27.90	21.0	0.254	1452.8
250.0	0.13	0.12	34.76	27.92	19.2	0.256	1453.6
260.0	0.26	0.25	34.80	27.95	16.8	0.258	1454.4
270.0	0.30	0.29	34.80	27.95	17.0	0.260	1454.8
280.0	0.36	0.35	34.82	27.96	15.6	0.261	1455.2
290.0	0.45	0.44	34.85	27.98	14.3	0.263	1455.8
300.0	0.50	0.48	34.86	27.98	13.9	0.264	1456.2
310.0	0.51	0.50	34.86	27.99	13.6	0.266	1456.5
320.0	0.55	0.53	34.86	27.99	13.6	0.267	1456.8
330.0	0.57	0.55	34.87	27.99	13.3	0.268	1457.1
340.0	0.59	0.58	34.87	27.99	13.5	0.270	1457.3
350.0	0.61	0.59	34.89	28.00	12.3	0.271	1457.6
370.0	0.63	0.61	34.89	28.00	12.4	0.273	1458.0
390.0	0.68	0.66	34.90	28.01	11.9	0.276	1458.6
410.0	0.63	0.61	34.90	28.01	11.8	0.278	1458.7
430.0	0.59	0.57	34.90	28.01	11.6	0.281	1458.9
450.0	0.59	0.57	34.91	28.02	10.7	0.283	1459.2
470.0	0.55	0.52	34.91	28.03	10.1	0.285	1459.3
490.0	0.49	0.47	34.91	28.03	10.1	0.287	1459.4
510.0	0.44	0.42	34.91	28.03	9.6	0.289	1459.5
530.0	0.40	0.38	34.91	28.03	9.5	0.291	1459.7
550.0	0.34	0.32	34.91	28.04	8.9	0.293	1459.8
570.0	0.29	0.27	34.91	28.04	8.8	0.295	1459.9
590.0	0.27	0.25	34.92	28.05	7.8	0.296	1460.1
610.0	0.24	0.21	34.92	28.05	7.8	0.298	1460.3
630.0	0.18	0.15	34.91	28.05	7.7	0.299	1460.3
650.0	0.14	0.11	34.91	28.05	7.4	0.301	1460.5
670.0	0.11	0.09	34.92	28.05	7.0	0.302	1460.7
690.0	0.08	0.05	34.92	28.06	6.7	0.304	1460.9

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.2		31.68
BOT NUM = 2	24.6	-1.73	31.73
BOT NUM = 3	389.6	0.69	34.89
BOT NUM = 4	709.2	0.06	34.90

FRAM 1 STATION 37(1) CTD 17/APR/1979 1837 GMT CODE = 1
LAT = 84.5183N LNG = 9.6351W LTER = 2. LGER = 5.
AIR TEMP = -26.9 BAROM = 1022.8 WIND = 336.0 SPEED = 2.9

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.67	25.50	249.2	0.000	1436.4
3.1	-1.74	-1.74	31.67	25.50	249.2	0.008	1436.5
5.0	-1.74	-1.74	31.67	25.50	249.0	0.013	1436.5
10.0	-1.73	-1.74	31.67	25.50	249.3	0.025	1436.6
15.0	-1.74	-1.74	31.66	25.50	249.4	0.038	1436.7
20.0	-1.74	-1.74	31.66	25.49	249.4	0.050	1436.8
25.0	-1.73	-1.73	31.67	25.50	248.7	0.063	1436.9
30.0	-1.74	-1.74	31.82	25.62	237.5	0.075	1437.1
35.0	-1.75	-1.76	32.02	25.78	222.1	0.087	1437.4
40.0	-1.76	-1.76	32.17	25.91	210.1	0.097	1437.7
45.0	-1.77	-1.77	32.40	26.09	192.4	0.108	1438.0
50.0	-1.77	-1.77	32.54	26.20	182.0	0.117	1438.3
55.0	-1.77	-1.77	32.63	26.27	175.2	0.126	1438.5
60.0	-1.77	-1.77	32.71	26.34	168.9	0.135	1438.7
65.0	-1.78	-1.78	32.74	26.37	165.9	0.143	1438.8
70.0	-1.75	-1.75	32.79	26.41	162.1	0.151	1439.1
80.0	-1.75	-1.75	32.88	26.48	155.2	0.167	1439.4
90.0	-1.60	-1.60	33.21	26.74	130.6	0.182	1440.7
100.0	-1.57	-1.57	33.53	27.00	105.9	0.194	1441.5
110.0	-1.52	-1.52	33.83	27.24	82.8	0.203	1442.3
120.0	-1.50	-1.50	34.00	27.38	69.9	0.211	1442.8
130.0	-1.45	-1.45	34.14	27.49	59.1	0.217	1443.4
140.0	-1.31	-1.32	34.25	27.57	51.6	0.223	1444.4
150.0	-1.20	-1.20	34.32	27.63	46.0	0.228	1445.2
160.0	-1.07	-1.07	34.38	27.67	42.2	0.232	1446.0
170.0	-0.94	-0.94	34.44	27.72	38.3	0.236	1446.9
180.0	-0.79	-0.79	34.49	27.75	34.9	0.240	1447.8
190.0	-0.65	-0.66	34.53	27.78	32.1	0.244	1448.7
200.0	-0.53	-0.54	34.57	27.81	29.6	0.247	1449.5
210.0	-0.40	-0.40	34.61	27.83	27.3	0.250	1450.3
220.0	-0.26	-0.27	34.65	27.86	25.2	0.252	1451.1
230.0	-0.12	-0.13	34.69	27.88	23.0	0.255	1452.0
240.0	0.04	0.03	34.73	27.90	21.0	0.257	1453.0
250.0	0.15	0.14	34.76	27.93	19.0	0.259	1453.7
260.0	0.28	0.27	34.79	27.94	17.4	0.261	1454.5
270.0	0.31	0.30	34.80	27.95	16.7	0.262	1454.8
280.0	0.37	0.36	34.82	27.96	15.8	0.264	1455.3
290.0	0.44	0.43	34.84	27.97	15.0	0.266	1455.8
300.0	0.50	0.48	34.85	27.98	14.1	0.267	1456.2
310.0	0.51	0.50	34.86	27.98	13.8	0.268	1456.5
320.0	0.55	0.53	34.87	27.99	13.6	0.270	1456.8
330.0	0.57	0.55	34.87	27.99	13.6	0.271	1457.1
340.0	0.58	0.56	34.87	27.99	13.3	0.273	1457.3
350.0	0.62	0.60	34.88	28.00	12.7	0.274	1457.6
370.0	0.64	0.62	34.89	28.00	12.2	0.276	1458.1
390.0	0.68	0.67	34.90	28.00	12.2	0.279	1458.6
410.0	0.62	0.60	34.90	28.01	11.9	0.281	1458.7
430.0	0.62	0.61	34.91	28.01	11.3	0.284	1459.0
450.0	0.57	0.55	34.90	28.02	10.9	0.286	1459.1
470.0	0.57	0.55	34.91	28.02	10.8	0.288	1459.5
490.0	0.49	0.47	34.91	28.03	9.9	0.290	1459.4
510.0	0.45	0.43	34.91	28.03	9.8	0.292	1459.6
530.0	0.40	0.38	34.91	28.03	9.4	0.294	1459.7
550.0	0.34	0.31	34.91	28.04	8.8	0.296	1459.7
570.0	0.30	0.27	34.92	28.04	8.4	0.298	1459.9
590.0	0.28	0.25	34.91	28.04	8.3	0.299	1460.1
610.0	0.23	0.21	34.91	28.05	8.0	0.301	1460.3
630.0	0.18	0.16	34.92	28.05	7.4	0.303	1460.4
650.0	0.15	0.12	34.92	28.05	7.4	0.304	1460.5
670.0	0.11	0.08	34.92	28.06	6.7	0.306	1460.7
690.0	0.08	0.05	34.91	28.05	7.3	0.307	1460.9
699.5	0.07	0.04	34.92	28.06	6.6	0.308	1461.0

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.7	-1.75	
BOT NUM = 2	29.1	-1.74	31.79
BOT NUM = 3	389.7	0.69	34.88
BOT NUM = 4	700.1	0.08	34.90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(M) 400
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800
M1 36 -1
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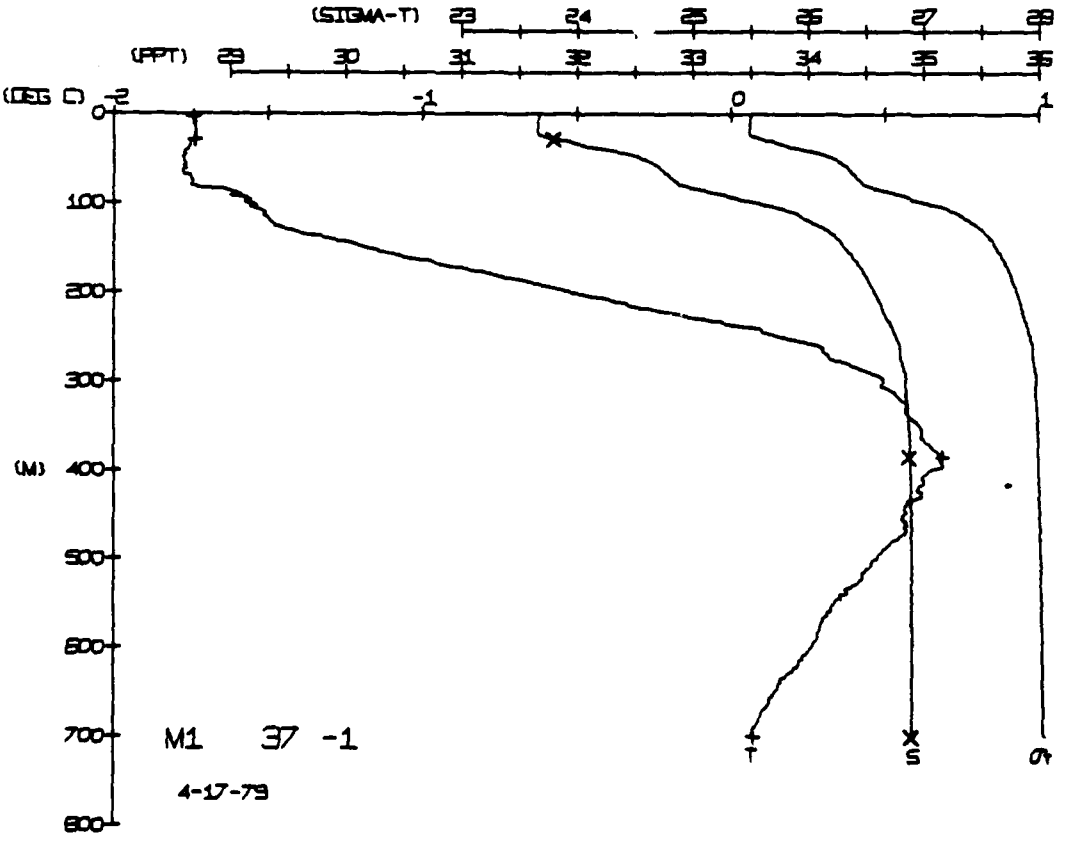
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M1 37 -1
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FRAM 1 STATION 38(1) CTD 18/APR/1979 716 GMT CODE = 1
LAT = 84.5066N LNG = 9.6018W LTER = 1. LGER = 2.
AIR TEMP = -26.9 BAROM = 1017.1 WIND = 336.0 SPEED = 2.9

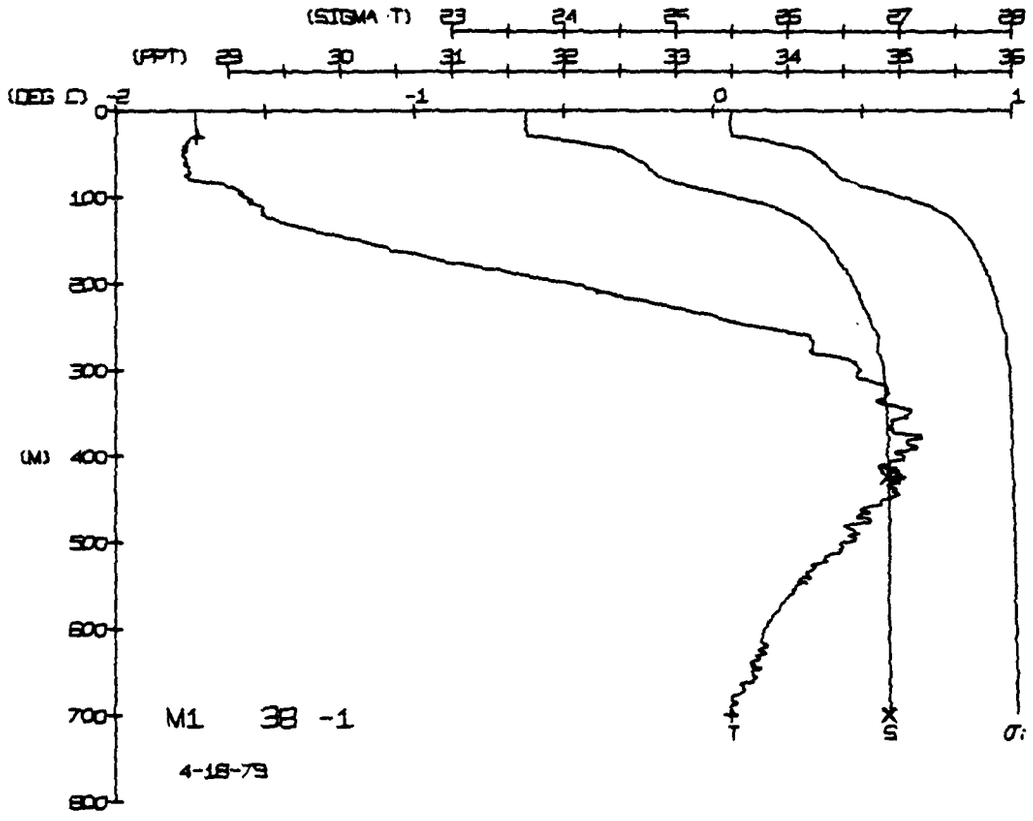
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.67	25.50	249.4	0.000	1436.4
3.0	-1.73	-1.74	31.67	25.50	249.4	0.008	1436.5
5.0	-1.73	-1.73	31.66	25.49	249.9	0.013	1436.5
10.0	-1.73	-1.73	31.66	25.49	250.0	0.025	1436.6
15.0	-1.73	-1.73	31.65	25.49	250.2	0.038	1436.7
20.0	-1.73	-1.73	31.65	25.48	250.4	0.050	1436.7
25.0	-1.73	-1.73	31.66	25.49	249.5	0.063	1436.8
30.0	-1.74	-1.74	31.71	25.53	245.6	0.075	1437.0
35.0	-1.75	-1.75	32.01	25.77	223.0	0.087	1437.4
40.0	-1.76	-1.76	32.25	25.97	204.4	0.098	1437.8
45.0	-1.77	-1.77	32.44	26.13	189.2	0.108	1438.1
50.0	-1.77	-1.77	32.54	26.21	181.4	0.117	1438.3
55.0	-1.77	-1.77	32.62	26.27	175.2	0.126	1438.5
60.0	-1.76	-1.76	32.70	26.33	169.5	0.135	1438.7
65.0	-1.76	-1.76	32.74	26.37	166.2	0.143	1438.9
70.0	-1.76	-1.76	32.78	26.40	163.4	0.152	1439.0
80.0	-1.75	-1.75	32.89	26.49	154.4	0.168	1439.4
90.0	-1.60	-1.61	33.18	26.72	132.4	0.182	1440.7
100.0	-1.57	-1.58	33.51	26.99	107.4	0.194	1441.4
110.0	-1.52	-1.52	33.82	27.23	84.0	0.204	1442.3
120.0	-1.51	-1.51	34.01	27.39	69.3	0.212	1442.8
130.0	-1.44	-1.45	34.14	27.49	59.2	0.218	1443.4
140.0	-1.34	-1.34	34.24	27.57	51.7	0.224	1444.2
150.0	-1.20	-1.20	34.32	27.63	46.1	0.229	1445.2
160.0	-1.09	-1.09	34.38	27.67	42.5	0.233	1445.9
170.0	-0.97	-0.97	34.43	27.71	38.4	0.237	1446.8
180.0	-0.82	-0.82	34.48	27.75	35.5	0.241	1447.7
190.0	-0.65	-0.66	34.53	27.78	32.2	0.244	1448.7
200.0	-0.49	-0.50	34.58	27.81	29.2	0.247	1449.7
210.0	-0.39	-0.40	34.61	27.84	27.2	0.250	1450.3
220.0	-0.24	-0.25	34.65	27.85	25.4	0.253	1451.2
230.0	-0.11	-0.12	34.69	27.88	23.1	0.255	1452.1
240.0	0.01	0.00	34.72	27.90	21.3	0.258	1452.8
250.0	0.13	0.12	34.75	27.92	19.6	0.260	1453.6
260.0	0.29	0.28	34.79	27.94	17.4	0.262	1454.5
270.0	0.33	0.32	34.81	27.95	16.6	0.263	1454.9
280.0	0.32	0.31	34.81	27.95	16.5	0.265	1455.0
290.0	0.45	0.44	34.84	27.97	15.2	0.267	1455.8
300.0	0.49	0.48	34.85	27.98	14.1	0.268	1456.2
310.0	0.48	0.47	34.86	27.99	13.5	0.269	1456.3
320.0	0.58	0.56	34.87	27.99	13.4	0.271	1456.9
330.0	0.58	0.57	34.87	27.99	13.8	0.272	1457.1
340.0	0.56	0.55	34.87	27.99	13.0	0.273	1457.2
350.0	0.66	0.65	34.89	28.00	12.9	0.275	1457.8
370.0	0.60	0.58	34.88	28.00	12.6	0.277	1457.9
390.0	0.68	0.66	34.90	28.00	12.3	0.280	1458.6
410.0	0.59	0.57	34.89	28.01	11.8	0.282	1458.5
430.0	0.60	0.58	34.90	28.01	11.2	0.285	1458.9
450.0	0.59	0.57	34.91	28.02	10.8	0.287	1459.2
470.0	0.48	0.46	34.91	28.03	9.9	0.289	1459.0
490.0	0.48	0.46	34.91	28.03	10.1	0.291	1459.4
510.0	0.42	0.40	34.90	28.03	10.0	0.293	1459.4
530.0	0.34	0.32	34.90	28.03	9.5	0.295	1459.4
550.0	0.28	0.26	34.90	28.03	9.3	0.297	1459.5
570.0	0.24	0.21	34.91	28.04	8.6	0.299	1459.6
590.0	0.19	0.16	34.90	28.04	8.6	0.300	1459.7
610.0	0.16	0.14	34.91	28.04	8.1	0.302	1459.9
630.0	0.18	0.15	34.91	28.04	8.0	0.304	1460.3
650.0	0.13	0.10	34.91	28.05	7.5	0.305	1460.4
670.0	0.10	0.07	34.92	28.05	7.1	0.307	1460.6
690.0	0.05	0.02	34.91	28.05	7.3	0.308	1460.8
699.8	0.06	0.03	34.93	28.07	5.5	0.309	1461.0

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.7		
BOT NUM = 2	30.9	-1.73	
BOT NUM = 3	425.0	0.62	34.88
BOT NUM = 4	699.7	0.06	34.90

FRAM 1 STATION 39(1) CTD 18/APR/1979 1837 GMT CODE = 1
LAT = 84.4941N LNG = 9.6111W LTER = 0. LGER = 1.
AIR TEMP = -26.7 BAROM = 1016.5 WIND = 321.0 SPEED = 3.5

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.67	25.50	249.3	0.000	1436.4
3.1	-1.73	-1.73	31.67	25.50	249.3	0.008	1436.5
5.0	-1.73	-1.73	31.67	25.50	249.0	0.013	1436.5
10.0	-1.73	-1.73	31.66	25.49	249.5	0.025	1436.6
15.0	-1.73	-1.73	31.66	25.49	249.5	0.038	1436.7
20.0	-1.74	-1.74	31.67	25.50	249.4	0.050	1436.8
25.0	-1.73	-1.74	31.66	25.49	249.8	0.063	1436.8
30.0	-1.74	-1.74	31.69	25.51	247.9	0.075	1436.9
35.0	-1.76	-1.76	32.05	25.80	219.9	0.087	1437.4
40.0	-1.76	-1.76	32.18	25.91	209.4	0.098	1437.7
45.0	-1.78	-1.78	32.43	26.11	170.5	0.108	1438.1
50.0	-1.78	-1.78	32.54	26.21	181.5	0.117	1438.3
55.0	-1.77	-1.77	32.63	26.28	175.0	0.126	1438.5
60.0	-1.77	-1.77	32.71	26.34	169.3	0.135	1438.7
65.0	-1.78	-1.78	32.76	26.38	165.0	0.143	1438.8
70.0	-1.78	-1.79	32.78	26.40	163.0	0.152	1438.9
80.0	-1.74	-1.74	32.89	26.49	154.8	0.168	1439.5
90.0	-1.60	-1.60	33.21	26.74	130.2	0.182	1440.8
100.0	-1.55	-1.56	33.55	27.02	104.1	0.194	1441.6
110.0	-1.51	-1.52	33.85	27.26	81.5	0.203	1442.4
120.0	-1.50	-1.50	34.02	27.40	69.5	0.211	1442.9
130.0	-1.44	-1.45	34.16	27.50	58.2	0.217	1443.5
140.0	-1.32	-1.32	34.26	27.58	50.8	0.223	1444.4
150.0	-1.21	-1.21	34.32	27.63	46.6	0.228	1445.1
160.0	-1.07	-1.08	34.38	27.67	42.2	0.232	1446.0
170.0	-0.98	-0.98	34.43	27.71	38.4	0.236	1446.7
180.0	-0.84	-0.84	34.49	27.75	35.1	0.240	1447.6
190.0	-0.68	-0.69	34.54	27.78	31.8	0.243	1448.5
200.0	-0.54	-0.55	34.57	27.81	29.6	0.246	1449.4
210.0	-0.40	-0.40	34.62	27.84	27.1	0.249	1450.3
220.0	-0.25	-0.26	34.65	27.86	25.0	0.252	1451.2
230.0	-0.13	-0.14	34.69	27.88	23.0	0.254	1452.0
240.0	0.00	-0.01	34.73	27.91	20.8	0.256	1452.8
250.0	0.14	0.13	34.76	27.93	18.8	0.258	1453.6
260.0	0.24	0.23	34.79	27.94	17.5	0.260	1454.3
270.0	0.33	0.32	34.81	27.95	16.6	0.262	1454.9
280.0	0.33	0.32	34.81	27.96	16.1	0.264	1455.1
290.0	0.41	0.40	34.83	27.97	15.2	0.265	1455.6
300.0	0.49	0.48	34.86	27.99	13.5	0.267	1456.2
310.0	0.54	0.53	34.87	27.99	13.4	0.268	1456.6
320.0	0.57	0.55	34.87	27.99	13.3	0.269	1456.9
330.0	0.57	0.55	34.87	27.99	13.6	0.271	1457.0
340.0	0.61	0.60	34.88	27.99	13.2	0.272	1457.4
350.0	0.64	0.62	34.89	28.00	12.2	0.273	1457.7
370.0	0.66	0.64	34.90	28.01	12.1	0.276	1458.2
390.0	0.71	0.69	34.92	28.02	10.8	0.278	1458.7
410.0	0.62	0.60	34.90	28.01	11.3	0.280	1458.7
430.0	0.63	0.61	34.91	28.02	10.8	0.283	1459.1
450.0	0.59	0.57	34.91	28.02	10.4	0.285	1459.2
470.0	0.55	0.53	34.91	28.03	10.2	0.287	1459.3
490.0	0.51	0.48	34.92	28.04	9.2	0.289	1459.5
510.0	0.43	0.41	34.92	28.04	9.0	0.291	1459.5
530.0	0.38	0.35	34.92	28.04	8.8	0.292	1459.6
550.0	0.35	0.33	34.92	28.05	8.1	0.294	1459.8
570.0	0.31	0.29	34.92	28.05	8.0	0.296	1460.0
590.0	0.27	0.24	34.92	28.05	7.7	0.297	1460.1
610.0	0.22	0.19	34.92	28.05	7.4	0.299	1460.2
630.0	0.19	0.16	34.91	28.05	7.7	0.300	1460.4
650.0	0.16	0.13	34.92	28.05	7.3	0.302	1460.6
670.0	0.11	0.08	34.92	28.06	6.6	0.303	1460.7
690.0	0.07	0.04	34.92	28.05	6.9	0.305	1460.8
699.5	0.06	0.03	34.93	28.06	6.0	0.305	1461.0

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6	-1.73	31.65
BOT NUM = 2	26.1	-1.74	31.65
BOT NUM = 3	385.9	0.73	34.89
BOT NUM = 4	700.4	0.06	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(M)
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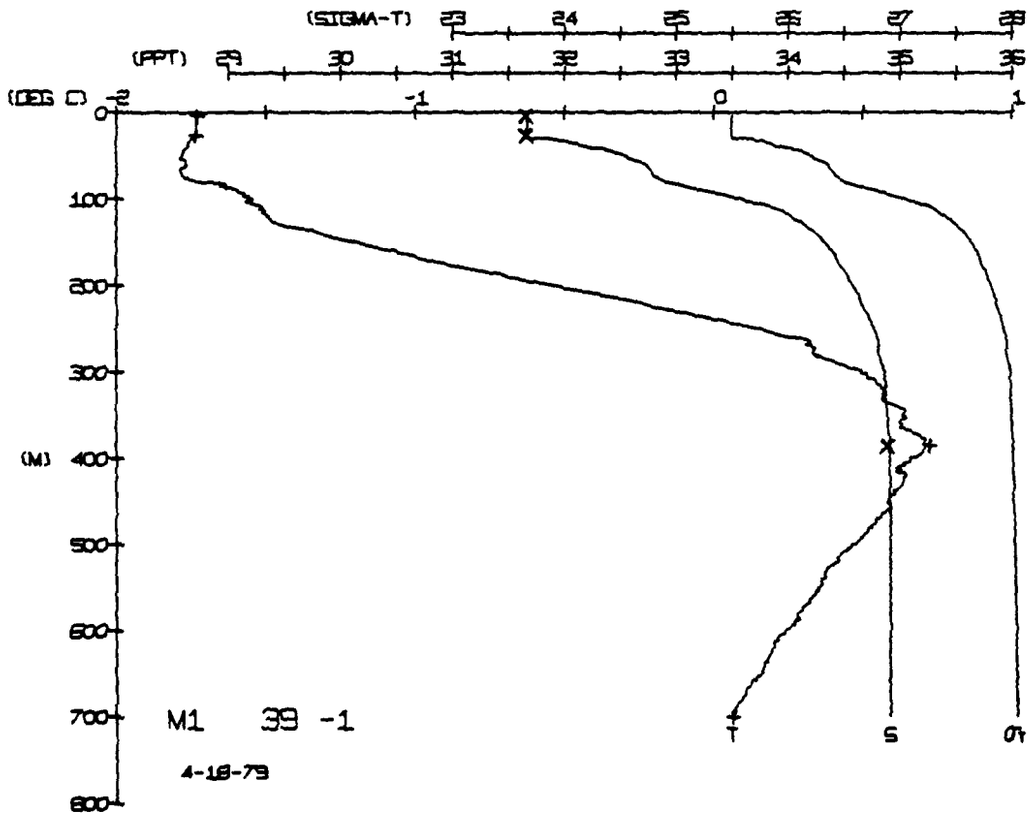
4-18-79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(PPT)
(DEG C)
(M)
M1 39 -1
4-18-79

FRAM 1 STATION 40(1) CTD 19/APR/1979 708 GMT CODE = 1
LAT = 84.4772N LNG = 9.5460W LTER = 1. LGER = 1.
AIR TEMP = -26.7 BAROM = 1018.6 WIND = 321.0 SPEED = 3.5

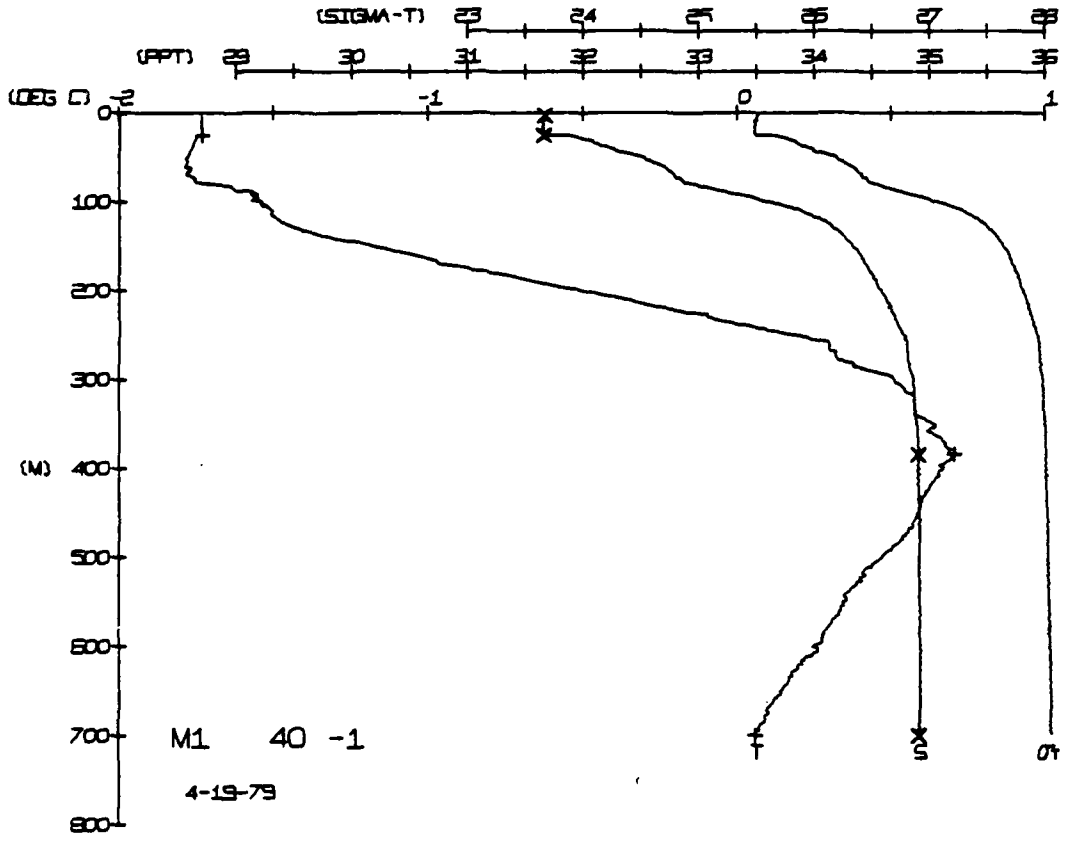
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.68	25.50	248.8	0.000	1436.3
3.1	-1.73	-1.73	31.68	25.50	248.7	0.008	1436.5
5.0	-1.73	-1.73	31.67	25.50	249.2	0.013	1436.5
10.0	-1.74	-1.74	31.65	25.49	250.3	0.025	1436.6
15.0	-1.74	-1.74	31.65	25.48	250.5	0.038	1436.7
20.0	-1.73	-1.73	31.65	25.48	250.7	0.050	1436.7
25.0	-1.73	-1.73	31.65	25.48	250.4	0.063	1436.8
30.0	-1.75	-1.75	31.99	25.76	224.2	0.075	1437.3
35.0	-1.76	-1.76	32.09	25.84	216.3	0.086	1437.5
40.0	-1.76	-1.77	32.21	25.94	207.0	0.097	1437.7
45.0	-1.77	-1.77	32.30	26.01	200.2	0.107	1437.9
50.0	-1.78	-1.78	32.48	26.16	186.2	0.117	1438.2
55.0	-1.78	-1.78	32.57	26.23	179.1	0.126	1438.4
60.0	-1.79	-1.79	32.67	26.31	171.6	0.135	1438.6
65.0	-1.77	-1.77	32.73	26.36	167.0	0.143	1438.8
70.0	-1.78	-1.78	32.78	26.40	163.4	0.152	1438.9
80.0	-1.75	-1.75	32.91	26.50	153.5	0.167	1439.4
90.0	-1.57	-1.57	33.23	26.76	128.7	0.182	1440.9
100.0	-1.57	-1.57	33.56	27.03	103.4	0.193	1441.6
110.0	-1.51	-1.51	33.87	27.27	80.2	0.203	1442.4
120.0	-1.50	-1.50	34.04	27.41	67.1	0.210	1442.9
130.0	-1.44	-1.44	34.16	27.51	58.1	0.216	1443.3
140.0	-1.34	-1.34	34.25	27.58	51.0	0.222	1444.3
150.0	-1.20	-1.20	34.33	27.63	45.9	0.227	1445.2
160.0	-1.06	-1.07	34.39	27.68	41.3	0.231	1446.1
170.0	-0.97	-0.98	34.43	27.71	38.6	0.235	1446.7
180.0	-0.81	-0.82	34.48	27.75	35.2	0.239	1447.7
190.0	-0.67	-0.68	34.54	27.78	31.9	0.242	1448.6
200.0	-0.52	-0.53	34.58	27.81	29.2	0.245	1449.5
210.0	-0.39	-0.39	34.62	27.84	27.0	0.248	1450.4
220.0	-0.25	-0.26	34.65	27.86	25.3	0.251	1451.2
230.0	-0.10	-0.11	34.70	27.89	22.1	0.253	1452.1
240.0	0.01	0.00	34.72	27.90	21.2	0.256	1452.8
250.0	0.16	0.15	34.77	27.93	18.4	0.258	1453.8
260.0	0.30	0.29	34.80	27.95	16.6	0.259	1454.6
270.0	0.32	0.31	34.81	27.96	16.3	0.261	1454.9
280.0	0.34	0.33	34.81	27.96	16.3	0.263	1455.1
290.0	0.42	0.41	34.84	27.97	15.1	0.264	1455.7
300.0	0.51	0.50	34.86	27.98	13.9	0.266	1456.3
310.0	0.54	0.53	34.87	27.99	13.4	0.267	1456.6
320.0	0.58	0.56	34.87	27.99	13.2	0.268	1456.9
330.0	0.58	0.56	34.88	27.99	13.0	0.270	1457.1
340.0	0.57	0.56	34.87	27.99	13.3	0.271	1457.2
350.0	0.64	0.62	34.89	28.00	12.5	0.272	1457.7
370.0	0.67	0.65	34.90	28.01	12.1	0.275	1458.2
390.0	0.70	0.68	34.91	28.01	11.6	0.277	1458.7
410.0	0.65	0.63	34.90	28.01	11.6	0.280	1458.8
430.0	0.61	0.59	34.91	28.02	11.2	0.282	1459.0
450.0	0.59	0.57	34.91	28.02	10.3	0.284	1459.2
470.0	0.55	0.53	34.91	28.02	10.2	0.286	1459.4
490.0	0.50	0.48	34.92	28.03	9.6	0.288	1459.5
510.0	0.44	0.42	34.91	28.03	9.5	0.290	1459.5
530.0	0.39	0.36	34.92	28.04	8.9	0.292	1459.6
550.0	0.35	0.32	34.91	28.04	8.8	0.294	1459.8
570.0	0.32	0.29	34.91	28.04	8.6	0.295	1460.0
590.0	0.28	0.25	34.92	28.04	8.2	0.297	1460.1
610.0	0.25	0.22	34.92	28.05	7.8	0.299	1460.3
630.0	0.18	0.15	34.92	28.05	7.2	0.300	1460.3
650.0	0.14	0.11	34.92	28.05	7.1	0.302	1460.5
670.0	0.10	0.07	34.92	28.05	7.0	0.303	1460.6
690.0	0.07	0.04	34.92	28.06	6.2	0.304	1460.9
698.0	0.06	0.03	34.92	28.06	6.5	0.305	1460.9

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.4		31.66
BOT NUM = 2	25.7	-1.74	31.66
BOT NUM = 3	385.1	0.70	34.90
BOT NUM = 4	700.2	0.06	34.91

FRAM 1 STATION 41(1) CTD 19/APR/1979 1901 GMT CODE = 1
LAT = 84.4450N LNG = 9.3125W LTER = 0. LGER = 0.
AIR TEMP = -26.4 BAROM = 1019.5 WIND = 294.0 SPEED = 5.7

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.68	25.51	248.6	0.000	1436.4
3.0	-1.74	-1.74	31.68	25.51	248.5	0.008	1436.5
5.0	-1.73	-1.73	31.68	25.51	248.3	0.013	1436.5
10.0	-1.73	-1.73	31.67	25.50	249.4	0.025	1436.6
15.0	-1.73	-1.73	31.68	25.50	248.6	0.038	1436.7
20.0	-1.73	-1.73	31.68	25.51	248.3	0.050	1436.8
25.0	-1.74	-1.74	31.73	25.54	244.7	0.062	1436.9
30.0	-1.74	-1.75	31.84	25.64	235.6	0.075	1437.1
35.0	-1.75	-1.76	32.05	25.81	219.4	0.086	1437.5
40.0	-1.76	-1.76	32.13	25.87	213.1	0.097	1437.6
45.0	-1.76	-1.76	32.21	25.93	207.5	0.108	1437.8
50.0	-1.77	-1.77	32.41	26.10	191.7	0.118	1438.1
55.0	-1.74	-1.75	32.54	26.21	181.6	0.127	1438.5
60.0	-1.71	-1.72	32.64	26.29	173.9	0.136	1438.9
65.0	-1.70	-1.70	32.72	26.35	167.9	0.145	1439.1
70.0	-1.67	-1.67	32.78	26.40	163.3	0.153	1439.5
80.0	-1.64	-1.64	32.98	26.56	147.8	0.169	1440.1
90.0	-1.56	-1.56	33.30	26.82	123.5	0.182	1441.1
100.0	-1.56	-1.56	33.59	27.05	101.2	0.194	1441.6
110.0	-1.52	-1.52	33.85	27.26	81.7	0.203	1442.3
120.0	-1.49	-1.50	34.05	27.42	66.3	0.210	1442.9
130.0	-1.44	-1.44	34.14	27.50	59.0	0.217	1443.5
140.0	-1.36	-1.36	34.22	27.56	52.5	0.222	1444.1
150.0	-1.23	-1.23	34.31	27.62	46.9	0.227	1445.0
160.0	-1.08	-1.09	34.38	27.67	42.3	0.232	1446.0
170.0	-0.96	-0.97	34.43	27.71	38.9	0.236	1446.8
180.0	-0.84	-0.84	34.48	27.75	35.4	0.240	1447.6
190.0	-0.69	-0.70	34.53	27.78	32.0	0.243	1448.5
200.0	-0.54	-0.55	34.58	27.81	29.4	0.246	1449.4
210.0	-0.37	-0.38	34.62	27.84	26.7	0.249	1450.4
220.0	-0.24	-0.25	34.65	27.86	25.4	0.252	1451.3
230.0	-0.13	-0.14	34.68	27.88	23.2	0.254	1452.0
240.0	-0.03	-0.03	34.71	27.90	21.5	0.256	1452.7
250.0	0.10	0.09	34.75	27.92	19.7	0.258	1453.4
260.0	0.28	0.27	34.80	27.95	17.1	0.260	1454.5
270.0	0.30	0.29	34.81	27.95	16.4	0.262	1454.8
280.0	0.36	0.34	34.82	27.96	15.8	0.264	1455.2
290.0	0.46	0.44	34.84	27.97	14.7	0.265	1455.8
300.0	0.51	0.49	34.86	27.98	14.1	0.267	1456.3
310.0	0.53	0.52	34.86	27.98	13.8	0.268	1456.5
320.0	0.56	0.55	34.87	27.99	13.6	0.269	1456.8
330.0	0.57	0.55	34.87	27.99	13.6	0.271	1457.1
337.9	0.57	0.56	34.87	27.99	13.3	0.272	1457.2

	DEPTH	TEMP.	SALIN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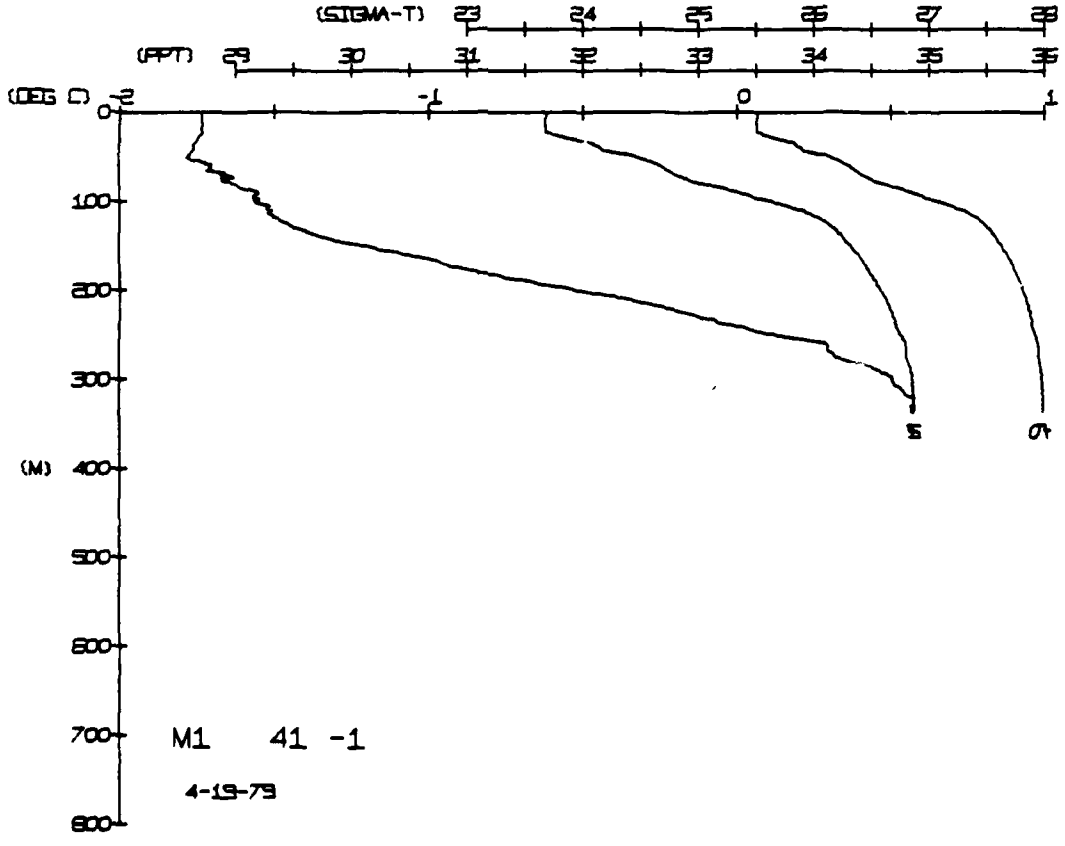
(PPT)
(DEG C)
(M)
M1 40 -1
4-19-79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(PPT)
(DEG C)
(M)
M1 41 -1
4-19-79

FRAM 1 STATION 42(1) CTD 19/APR/1979 2214 GMT CODE = 1
LAT = 84 43.8ON LNG = 9 25.14W LTER = 25. LGER = 48.
AIR TEMP = -26.4 BAROM = 1019.4 WIND = 294.0 SPEED = 5.7

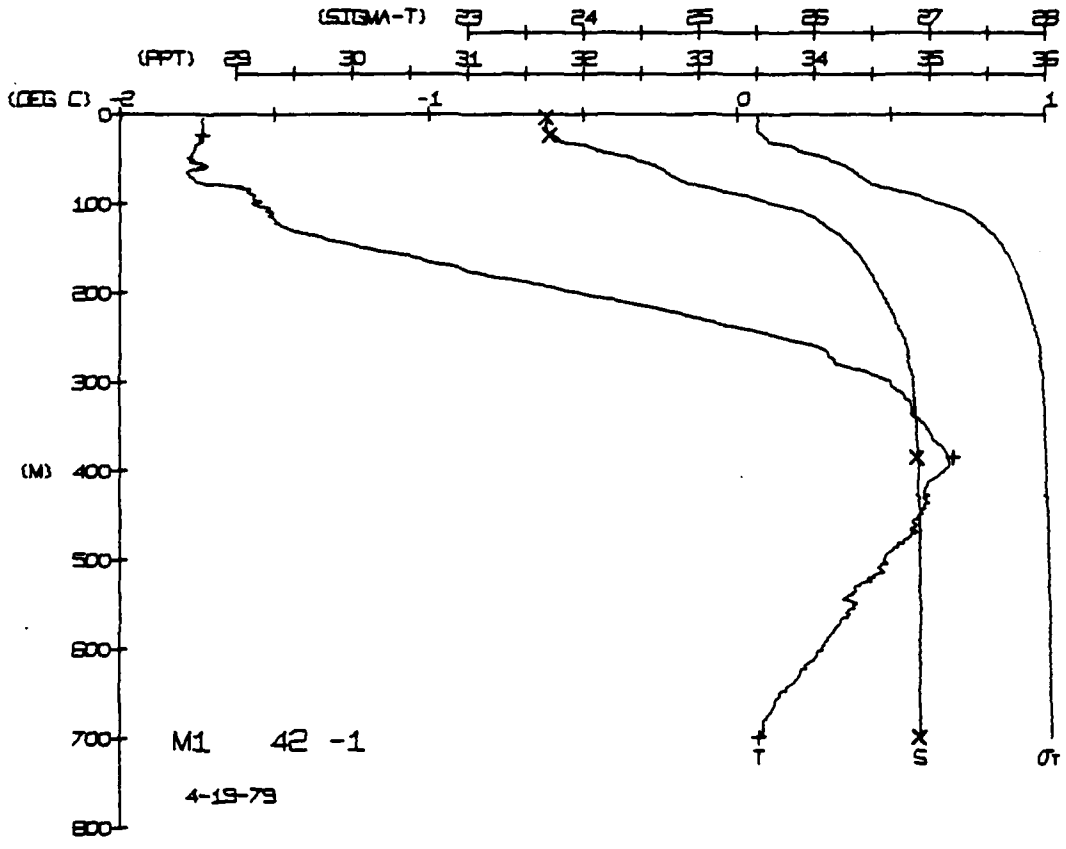
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.68	25.51	248.2	0.000	1436.5
3.0	-1.73	-1.73	31.68	25.51	248.2	0.008	1436.5
5.0	-1.73	-1.73	31.69	25.51	247.9	0.012	1436.5
10.0	-1.73	-1.73	31.69	25.51	247.8	0.025	1436.6
15.0	-1.73	-1.73	31.68	25.51	248.2	0.037	1436.7
20.0	-1.73	-1.73	31.69	25.52	247.1	0.050	1436.8
25.0	-1.74	-1.74	31.74	25.56	243.2	0.062	1436.9
30.0	-1.74	-1.74	31.79	25.60	239.4	0.074	1437.1
35.0	-1.75	-1.76	32.01	25.78	222.6	0.086	1437.4
40.0	-1.76	-1.76	32.11	25.85	215.1	0.097	1437.6
45.0	-1.77	-1.77	32.23	25.95	205.8	0.108	1437.8
50.0	-1.78	-1.78	32.43	26.12	190.1	0.118	1438.1
55.0	-1.77	-1.77	32.54	26.20	181.9	0.127	1438.4
60.0	-1.75	-1.75	32.64	26.29	173.7	0.136	1438.7
65.0	-1.78	-1.78	32.72	26.35	168.0	0.145	1438.8
70.0	-1.77	-1.78	32.78	26.40	163.4	0.153	1439.0
80.0	-1.66	-1.66	32.97	26.55	148.6	0.169	1440.0
90.0	-1.58	-1.58	33.34	26.85	120.6	0.182	1441.0
100.0	-1.57	-1.57	33.62	27.07	98.9	0.193	1441.6
110.0	-1.51	-1.51	33.90	27.30	77.9	0.202	1442.5
120.0	-1.50	-1.50	34.04	27.41	67.0	0.210	1442.9
130.0	-1.45	-1.45	34.15	27.50	58.9	0.216	1443.4
140.0	-1.34	-1.34	34.25	27.58	51.0	0.221	1444.3
150.0	-1.22	-1.22	34.33	27.64	45.6	0.226	1445.1
160.0	-1.06	-1.06	34.39	27.68	41.3	0.231	1446.1
170.0	-0.93	-0.94	34.45	27.72	37.6	0.235	1446.9
180.0	-0.83	-0.83	34.50	27.76	34.1	0.238	1447.7
190.0	-0.67	-0.67	34.54	27.79	31.4	0.242	1448.6
200.0	-0.52	-0.53	34.59	27.82	28.5	0.245	1449.5
210.0	-0.39	-0.39	34.62	27.84	27.0	0.247	1450.4
220.0	-0.24	-0.25	34.66	27.86	24.5	0.250	1451.3
230.0	-0.13	-0.14	34.69	27.88	22.7	0.252	1452.0
240.0	0.00	-0.01	34.72	27.90	21.1	0.255	1452.8
250.0	0.13	0.12	34.76	27.93	18.8	0.257	1453.6
260.0	0.25	0.24	34.79	27.94	17.3	0.258	1454.3
270.0	0.29	0.28	34.81	27.95	16.5	0.260	1454.7
280.0	0.32	0.31	34.82	27.96	15.8	0.262	1455.0
290.0	0.43	0.42	34.83	27.97	15.1	0.263	1455.7
300.0	0.50	0.48	34.86	27.99	13.6	0.265	1456.2
310.0	0.52	0.50	34.87	27.99	13.4	0.266	1456.5
320.0	0.55	0.53	34.87	27.99	13.2	0.268	1456.8
330.0	0.57	0.55	34.87	27.99	13.2	0.269	1457.0
340.0	0.57	0.56	34.88	28.00	12.8	0.270	1457.2
350.0	0.61	0.59	34.88	28.00	12.8	0.271	1457.6
370.0	0.65	0.63	34.89	28.00	12.3	0.274	1458.1
390.0	0.69	0.67	34.90	28.01	11.8	0.276	1458.6
410.0	0.64	0.62	34.90	28.01	11.5	0.279	1458.7
430.0	0.61	0.59	34.90	28.01	11.4	0.281	1459.0
450.0	0.59	0.57	34.91	28.02	10.7	0.283	1459.2
470.0	0.58	0.55	34.91	28.03	10.2	0.285	1459.5
490.0	0.50	0.48	34.91	28.02	10.3	0.288	1459.5
510.0	0.46	0.44	34.91	28.03	9.7	0.290	1459.6
530.0	0.38	0.36	34.91	28.03	9.7	0.291	1459.6
550.0	0.38	0.35	34.92	28.04	8.9	0.293	1459.9
570.0	0.33	0.30	34.92	28.04	8.6	0.295	1460.0
590.0	0.29	0.27	34.92	28.05	8.0	0.297	1460.2
610.0	0.25	0.22	34.92	28.05	7.6	0.298	1460.3
630.0	0.20	0.17	34.92	28.05	7.2	0.300	1460.4
650.0	0.13	0.11	34.92	28.05	7.3	0.301	1460.5
670.0	0.11	0.08	34.92	28.05	7.0	0.303	1460.7
690.0	0.08	0.05	34.92	28.05	6.9	0.304	1460.9
700.1	0.07	0.04	34.94	28.08	4.8	0.305	1461.1

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6		31.67
BOT NUM = 2	23.4	-1.74	31.71
BOT NUM = 3	385.6	0.70	34.88
BOT NUM = 4	699.1	0.07	34.91

FRAM 1 STATION 43(1) CTD 20/APR/1979 647 GMT CODE = 1
LAT = 84 42.3N LNG = 9 12.7W LTER = 12. LGER = 37.
AIR TEMP = -27.3 BAROM = 1018.1 WIND = 299.0 SPEED = 5.6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.71	25.53	246.3	0.000	1436.5
3.1	-1.73	-1.73	31.71	25.53	246.2	0.008	1436.6
5.0	-1.73	-1.73	31.70	25.53	246.6	0.012	1436.6
10.0	-1.73	-1.73	31.70	25.53	246.6	0.025	1436.7
15.0	-1.73	-1.73	31.71	25.53	246.0	0.037	1436.8
20.0	-1.74	-1.74	31.72	25.54	244.8	0.050	1436.8
25.0	-1.74	-1.74	31.75	25.56	242.7	0.062	1437.0
30.0	-1.74	-1.74	31.79	25.60	239.5	0.074	1437.1
35.0	-1.75	-1.75	31.91	25.69	230.6	0.086	1437.3
40.0	-1.76	-1.76	32.07	25.83	217.6	0.097	1437.6
45.0	-1.76	-1.76	32.14	25.88	212.4	0.108	1437.7
50.0	-1.74	-1.74	32.39	26.08	193.5	0.118	1438.3
55.0	-1.69	-1.69	32.48	26.16	186.2	0.128	1438.7
60.0	-1.73	-1.73	32.58	26.23	178.8	0.137	1438.7
65.0	-1.71	-1.71	32.69	26.32	170.6	0.146	1439.1
70.0	-1.72	-1.72	32.76	26.38	164.9	0.154	1439.2
80.0	-1.68	-1.68	32.97	26.55	148.4	0.170	1439.9
90.0	-1.58	-1.58	33.28	26.80	124.9	0.184	1440.9
100.0	-1.59	-1.59	33.62	27.08	98.6	0.195	1441.5
110.0	-1.52	-1.53	33.86	27.27	80.3	0.204	1442.4
120.0	-1.50	-1.50	34.05	27.42	66.3	0.211	1442.9
130.0	-1.44	-1.45	34.16	27.51	57.9	0.218	1443.5
140.0	-1.33	-1.33	34.25	27.58	51.0	0.223	1444.3
150.0	-1.20	-1.20	34.32	27.63	46.4	0.228	1445.2
160.0	-1.10	-1.11	34.37	27.67	42.9	0.233	1445.9
170.0	-0.97	-0.98	34.43	27.71	39.1	0.237	1446.7
180.0	-0.81	-0.82	34.49	27.75	35.0	0.240	1447.7
190.0	-0.66	-0.66	34.54	27.78	31.9	0.244	1448.7
200.0	-0.51	-0.51	34.59	27.82	28.8	0.247	1449.6
210.0	-0.37	-0.37	34.62	27.84	27.1	0.250	1450.5
220.0	-0.22	-0.23	34.66	27.86	24.8	0.252	1451.4
230.0	-0.11	-0.12	34.69	27.88	23.0	0.255	1452.0
240.0	-0.01	-0.02	34.71	27.90	21.6	0.257	1452.7
250.0	0.14	0.13	34.75	27.92	19.4	0.259	1453.6
260.0	0.26	0.25	34.79	27.94	17.7	0.261	1454.4
270.0	0.31	0.30	34.81	27.95	16.5	0.263	1454.8
280.0	0.33	0.32	34.81	27.96	16.3	0.264	1455.1
290.0	0.42	0.41	34.83	27.97	15.4	0.266	1455.7
300.0	0.52	0.51	34.85	27.98	14.3	0.267	1456.3
310.0	0.57	0.55	34.86	27.98	13.9	0.269	1456.7
320.0	0.58	0.56	34.87	27.99	13.5	0.270	1456.9
330.0	0.58	0.57	34.87	27.99	13.7	0.272	1457.1
340.0	0.59	0.58	34.87	27.99	13.7	0.273	1457.3
350.0	0.66	0.64	34.89	28.00	12.6	0.274	1457.8
370.0	0.70	0.68	34.90	28.01	12.0	0.277	1458.4
390.0	0.72	0.70	34.91	28.01	11.5	0.279	1458.8
410.0	0.65	0.63	34.90	28.01	11.7	0.282	1458.8
430.0	0.61	0.59	34.90	28.01	11.8	0.284	1458.9
450.0	0.58	0.56	34.90	28.02	11.2	0.286	1459.2
470.0	0.56	0.53	34.91	28.02	10.3	0.288	1459.4
490.0	0.50	0.47	34.91	28.02	10.2	0.291	1459.4
510.0	0.44	0.42	34.92	28.03	9.3	0.292	1459.5
530.0	0.40	0.37	34.91	28.03	9.6	0.294	1459.7
550.0	0.34	0.31	34.91	28.04	8.7	0.296	1459.7
570.0	0.30	0.28	34.92	28.04	8.3	0.298	1459.9
590.0	0.25	0.22	34.92	28.05	8.0	0.300	1460.0
610.0	0.22	0.19	34.92	28.05	7.9	0.301	1460.2
630.0	0.18	0.16	34.92	28.05	7.2	0.303	1460.4
650.0	0.13	0.10	34.91	28.05	7.4	0.304	1460.5
670.0	0.10	0.07	34.91	28.05	7.2	0.306	1460.6
690.0	0.07	0.04	34.92	28.06	6.6	0.307	1460.8

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6		31.69
BOT NUM = 2	25.3		31.73
BOT NUM = 3	401.2	0.67	34.88
BOT NUM = 4	698.0	0.09	34.90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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
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700
800
M1 42 -1
4-19-79
T
S
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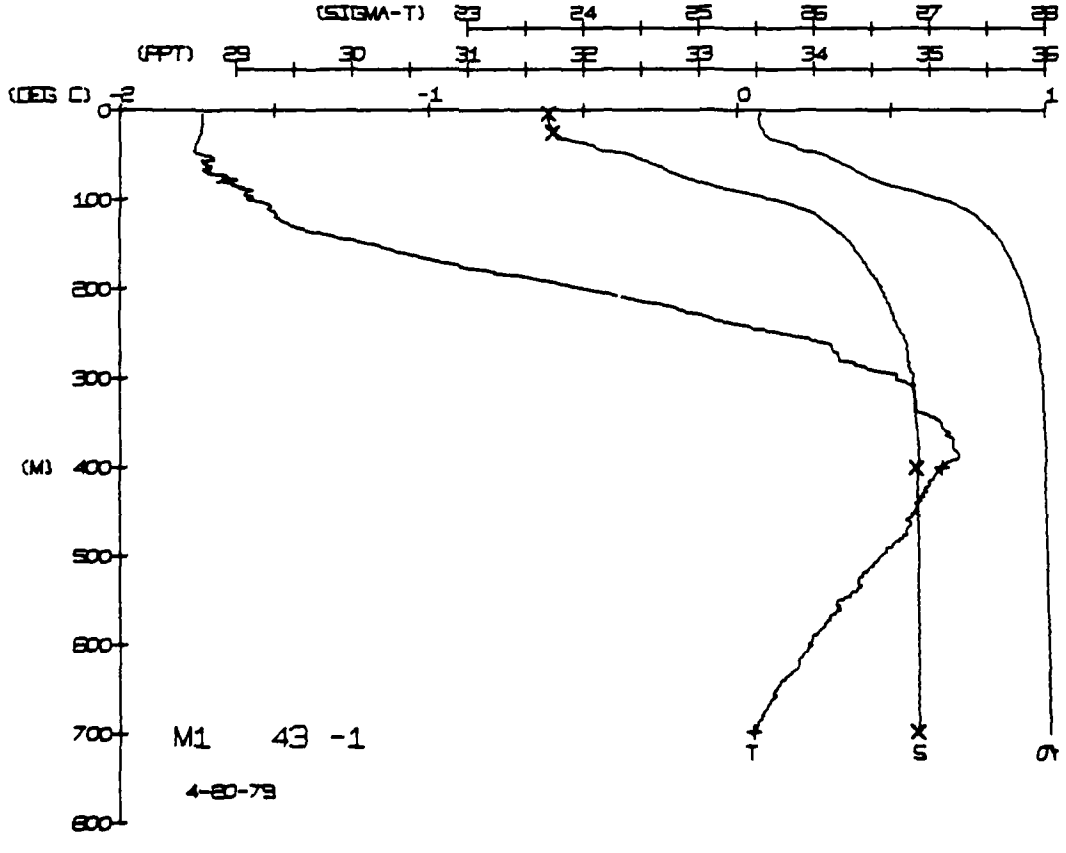
(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
500
600
700
800
M1 43 -1
4-20-79
T
S
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FRAM 1 STATION 44(1) CTD 20/APR/1979 1901 GMT CODE = 1
LAT = 84.3936N LNG = 8.8688W LTER = 23. LGER = 40.
AIR TEMP = -27.3 BAROM = 1017.3 WIND = 299.0 SPEED = 5.6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.78	25.58	241.1	0.000	1436.6
3.1	-1.73	-1.73	31.78	25.58	241.0	0.007	1436.7
5.0	-1.73	-1.73	31.77	25.58	241.1	0.012	1436.7
10.0	-1.73	-1.73	31.77	25.58	241.[illegible]	0.024	1436.8
15.0	-1.73	-1.73	31.77	25.58	241.5	0.036	1436.9
20.0	-1.73	-1.73	31.78	25.59	240.3	0.049	1436.9
25.0	-1.74	-1.74	31.85	25.64	235.4	0.061	1437.1
30.0	-1.75	-1.75	31.90	25.68	231.4	0.072	1437.2
35.0	-1.75	-1.75	31.98	25.75	225.3	0.084	1437.4
40.0	-1.76	-1.76	32.07	25.83	217.6	0.095	1437.6
45.0	-1.76	-1.76	32.13	25.87	213.5	0.106	1437.7
50.0	-1.75	-1.75	32.31	26.02	199.3	0.116	1438.1
55.0	-1.75	-1.75	32.51	26.18	184.4	0.126	1438.4
60.0	-1.71	-1.71	32.59	26.25	177.6	0.135	1438.9
65.0	-1.71	-1.71	32.68	26.32	170.6	0.144	1439.0
70.0	-1.69	-1.69	32.77	26.39	164.0	0.152	1439.4
80.0	-1.64	-1.64	33.01	26.58	145.7	0.168	1440.1
90.0	-1.59	-1.59	33.36	26.87	118.8	0.181	1441.0
100.0	-1.56	-1.56	33.68	27.13	94.1	0.192	1441.8
110.0	-1.53	-1.53	33.89	27.29	78.7	0.201	1442.4
120.0	-1.50	-1.50	34.04	27.42	66.6	0.208	1442.9
130.0	-1.42	-1.42	34.15	27.50	58.6	0.214	1443.6
140.0	-1.34	-1.35	34.23	27.56	53.1	0.220	1444.2
150.0	-1.18	-1.19	34.32	27.63	46.6	0.225	1445.2
160.0	-1.04	-1.05	34.39	27.68	41.3	0.229	1446.2
170.0	-0.90	-0.91	34.45	27.72	37.7	0.233	1447.1
180.0	-0.79	-0.80	34.50	27.76	33.9	0.237	1447.8
190.0	-0.63	-0.64	34.55	27.79	31.1	0.240	1448.8
200.0	-0.49	-0.50	34.59	27.82	28.6	0.243	1449.7
210.0	-0.37	-0.38	34.62	27.84	26.5	0.246	1450.4
220.0	-0.24	-0.24	34.65	27.86	25.3	0.249	1451.3
230.0	-0.08	-0.09	34.70	27.89	22.4	0.251	1452.2
240.0	0.06	0.05	34.73	27.91	20.7	0.253	1453.1
250.0	0.21	0.20	34.77	27.93	18.4	0.255	1454.0
260.0	0.29	0.28	34.80	27.95	17.[illegible]	0.257	1454.5
270.0	0.33	0.32	34.81	27.95	16.5	0.259	1454.9
280.0	0.38	0.37	34.82	27.96	15.9	0.260	1455.3
290.0	0.48	0.47	34.85	27.98	14.2	0.262	1456.0
300.0	0.51	0.49	34.86	27.98	14.0	0.263	1456.3
310.0	0.55	0.53	34.87	27.99	13.5	0.265	1456.6
320.0	0.57	0.56	34.87	27.99	13.7	0.266	1456.9
330.0	0.59	0.57	34.87	27.99	13.2	0.267	1457.1
340.0	0.62	0.61	34.88	28.00	12.8	0.269	1457.5
350.0	0.64	0.63	34.89	28.00	12.5	0.270	1457.7
370.0	0.69	0.67	34.90	28.00	12.3	0.273	1458.3
390.0	0.70	0.68	34.90	28.01	12.0	0.275	1458.7
410.0	0.64	0.62	34.90	28.01	11.8	0.277	1458.8
430.0	0.60	0.58	34.91	28.02	11.0	0.280	1458.9
450.0	0.57	0.55	34.90	28.02	11.0	0.282	1459.1
470.0	0.54	0.52	34.91	28.02	10.5	0.284	1459.3
490.0	0.49	0.47	34.91	28.02	10.3	0.286	1459.4
510.0	0.42	0.40	34.91	28.03	9.7	0.288	1459.4
530.0	0.39	0.36	34.91	28.03	9.3	0.290	1459.6
550.0	0.35	0.33	34.91	28.04	9.0	0.292	1459.8
570.0	0.29	0.26	34.91	28.04	8.4	0.294	1459.8
590.0	0.27	0.24	34.92	28.05	7.8	0.295	1460.1
610.0	0.22	0.20	34.92	28.05	7.8	0.297	1460.2
630.0	0.18	0.16	34.92	28.05	7.3	0.298	1460.4
650.0	0.15	0.12	34.92	28.05	7.4	0.300	1460.5
670.0	0.10	0.08	34.92	28.06	6.9	0.301	1460.7
690.0	0.09	0.06	34.91	28.05	7.0	0.303	1460.9

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.9		31.76
BOT NUM = 2	27.1	-1.75	31.88
BOT NUM = 3	386.3	0.70	34.88
BOT NUM = 4	699.0	0.07	34.90

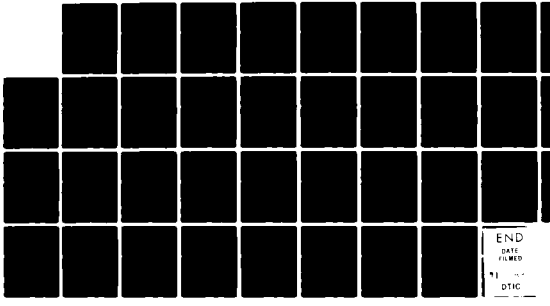
FRAM 1 STATION 45(1) CTD 21/APR/1979 705 GMT CODE = 1
LAT = 84.3660N LNG = 8.6588W LTER = 0. LGER = 1.
AIR TEMP = -27.0 BAROM = 1015.9 WIND = 295.0 SPEED = 6.8

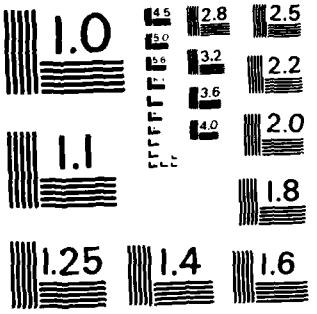
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.80	25.61	239.0	0.000	1436.7
3.1	-1.73	-1.73	31.80	25.61	238.9	0.007	1436.7
5.0	-1.73	-1.73	31.80	25.61	238.9	0.012	1436.8
10.0	-1.73	-1.73	31.80	25.61	238.9	0.024	1436.8
15.0	-1.73	-1.73	31.[illegible]1	25.61	239.6	0.036	1436.9
20.0	-1.73	-1.74	31.82	25.62	237.1	0.048	1437.0
25.0	-1.75	-1.75	31.88	25.67	232.5	0.060	1437.1
30.0	-1.75	-1.75	31.90	25.69	231.0	0.072	1437.2
35.0	-1.75	-1.75	32.00	25.76	223.7	0.083	1437.4
40.0	-1.76	-1.76	32.07	25.82	217.9	0.094	1437.6
45.0	-1.76	-1.76	32.22	25.94	206.4	0.105	1437.8
50.0	-1.78	-1.78	32.54	26.20	181.9	0.115	1438.3
55.0	-1.78	-1.78	32.58	26.24	178.7	0.124	1438.4
60.0	-1.77	-1.77	32.65	26.29	173.1	0.133	1438.6
65.0	-1.78	-1.79	32.72	26.35	167.8	0.141	1438.8
70.0	-1.77	-1.77	32.77	26.39	164.0	0.149	1439.0
80.0	-1.66	-1.66	32.96	26.55	149.1	0.165	1439.9
90.0	-1.62	-1.63	33.32	26.83	121.8	0.179	1440.8
100.0	-1.55	-1.55	33.64	27.09	97.6	0.190	1441.7
110.0	-1.54	-1.54	33.87	27.28	79.6	0.199	1442.3
120.0	-1.45	-1.46	34.07	27.43	65.0	0.206	1443.1
130.0	-1.39	-1.39	34.18	27.52	56.6	0.212	1443.8
140.0	-1.27	-1.28	34.26	27.59	50.6	0.218	1444.6
150.0	-1.18	-1.19	34.34	27.64	45.1	0.223	1445.3
160.0	-1.09	-1.09	34.39	27.68	41.3	0.227	1446.0
170.0	-0.88	-0.89	34.45	27.72	37.9	0.231	1447.2
180.0	-0.75	-0.75	34.51	27.76	33.8	0.235	1448.0
190.0	-0.54	-0.54	34.56	27.80	30.4	0.238	1449.3
200.0	-0.42	-0.43	34.60	27.83	28.0	0.241	1450.0
210.0	-0.32	-0.32	34.63	27.84	26.4	0.243	1450.7
220.0	-0.21	-0.21	34.66	27.86	25.0	0.246	1451.4
230.0	-0.07	-0.08	34.70	27.89	22.5	0.248	1452.2
240.0	0.04	0.03	34.73	27.90	21.0	0.251	1453.0
250.0	0.19	0.18	34.77	27.93	18.8	0.253	1453.9
260.0	0.28	0.27	34.80	27.95	17.0	0.255	1454.5
270.0	0.32	0.31	34.81	27.95	16.4	0.256	1454.9
280.0	0.36	0.35	34.82	27.96	15.7	0.258	1455.2
290.0	0.47	0.46	34.84	27.97	14.8	0.259	1455.9
300.0	0.51	0.50	34.85	27.98	14.3	0.261	1456.3
310.0	0.54	0.53	34.86	27.98	13.8	0.262	1456.6
320.0	0.58	0.57	34.87	27.99	13.8	0.264	1456.9
330.0	0.58	0.56	34.87	27.99	13.6	0.265	1457.1
340.0	0.60	0.59	34.88	27.99	13.1	0.266	1457.4
350.0	0.63	0.62	34.89	28.00	12.4	0.268	1457.7
370.0	0.69	0.67	34.90	28.00	12.1	0.270	1458.3
390.0	0.67	0.65	34.91	28.01	11.5	0.273	1458.6
410.0	0.63	0.61	34.90	28.01	11.5	0.275	1458.7
430.0	0.60	0.58	34.91	28.02	10.8	0.277	1458.9
450.0	0.56	0.54	34.91	28.02	10.6	0.279	1459.1
470.0	0.53	0.51	34.91	28.02	10.3	0.281	1459.3
490.0	0.47	0.45	34.91	28.03	9.6	0.283	1459.3
510.0	0.43	0.40	34.91	28.03	9.5	0.285	1459.5
530.0	0.36	0.34	34.91	28.03	9.2	0.287	1459.5
550.0	0.33	0.30	34.91	28.03	9.1	0.289	1459.7
570.0	0.28	0.25	34.92	28.04	8.1	0.291	1459.8
590.0	0.23	0.20	34.91	28.04	8.0	0.292	1459.9
610.0	0.19	0.17	34.91	28.04	8.2	0.294	1460.1
630.0	0.16	0.14	34.92	28.05	7.3	0.296	1460.3
650.0	0.14	0.11	34.91	28.05	7.5	0.297	1460.5
670.0	0.10	0.07	34.92	28.05	7.0	0.299	1460.7
690.0	0.07	0.04	34.92	28.06	6.7	0.300	1460.8
699.3	0.05	0.02	34.93	28.07	5.7	0.301	1461.0

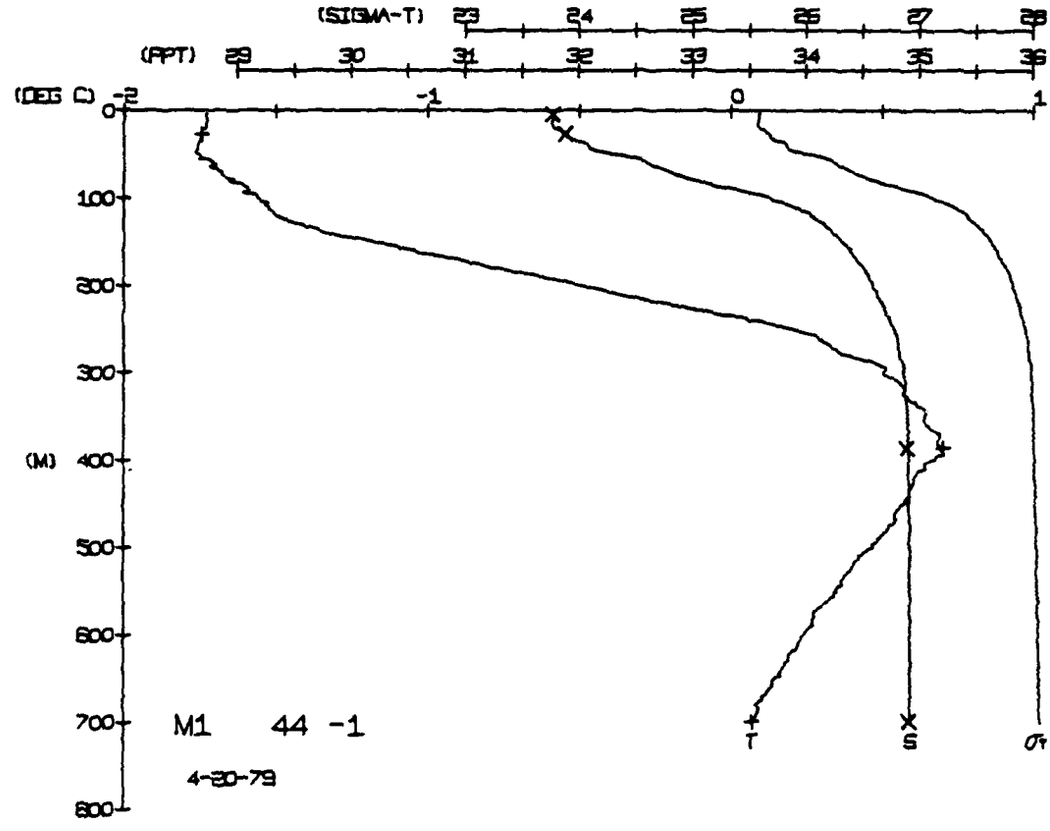
	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.7		31.79
BOT NUM = 2	21.6	-1.72	
BOT NUM = 3	384.6	0.70	
BOT NUM = 4	698.4	0.06	34.90

AD-A134 244 PHYSICAL OCEANOGRAPHY REPORT STD DATA FROM DRIFTING ICE STATION FRAM I(U) LAMONT-DOHERTY GEOLOGICAL OBSERVATORY PALISADES NY T D MANLEY ET AL. SEP 83 LDGO-83-2 2/2

UNCLASSIFIED N00014-76-C-0004 F/G 8/10 NL



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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
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200
300
(M) 400
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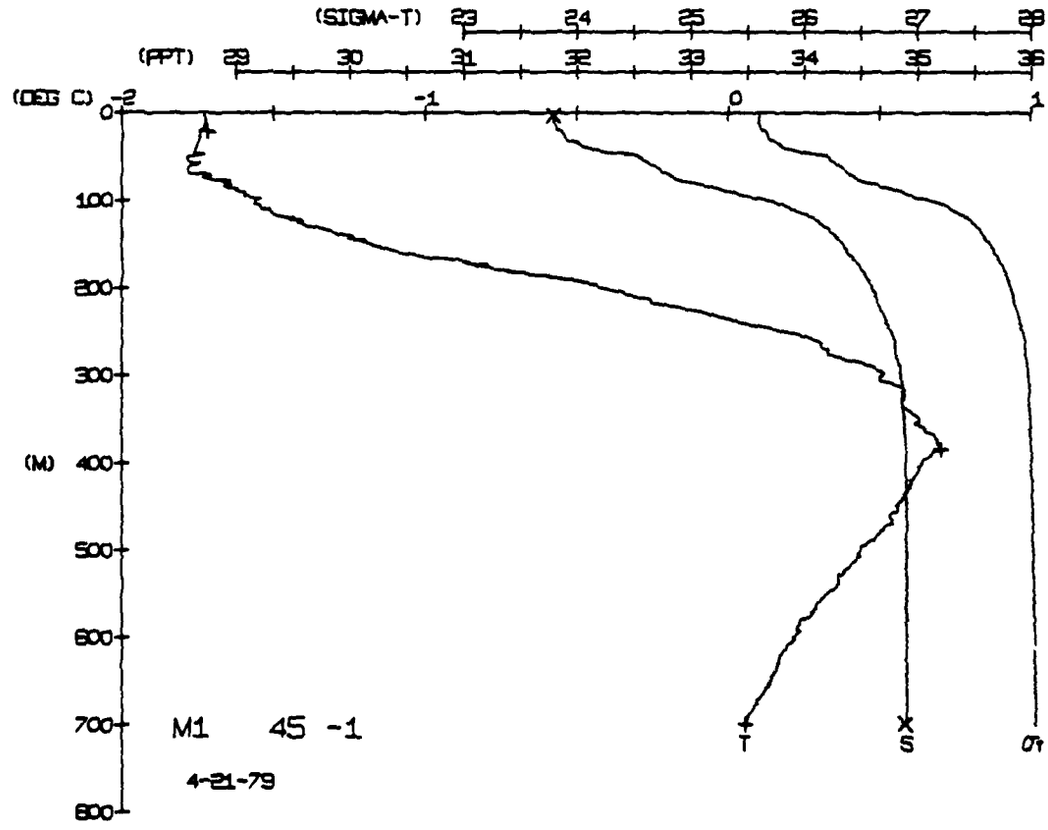
700
800
M1 44 -1
4-20-79
T
S
σT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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
500
600
700
800
M1 45 -1
4-21-79
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S
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FRAM 1 STATION 46(1) CTD 21/APR/1979 1831 GMT CODE = 1
LAT = 84.3379N LNG = 8.4345W LTER = 0. LGER = 1.
AIR TEMP = -27.0 BAROM = 1014.2 WIND = 295.0 SPEED = 6.8

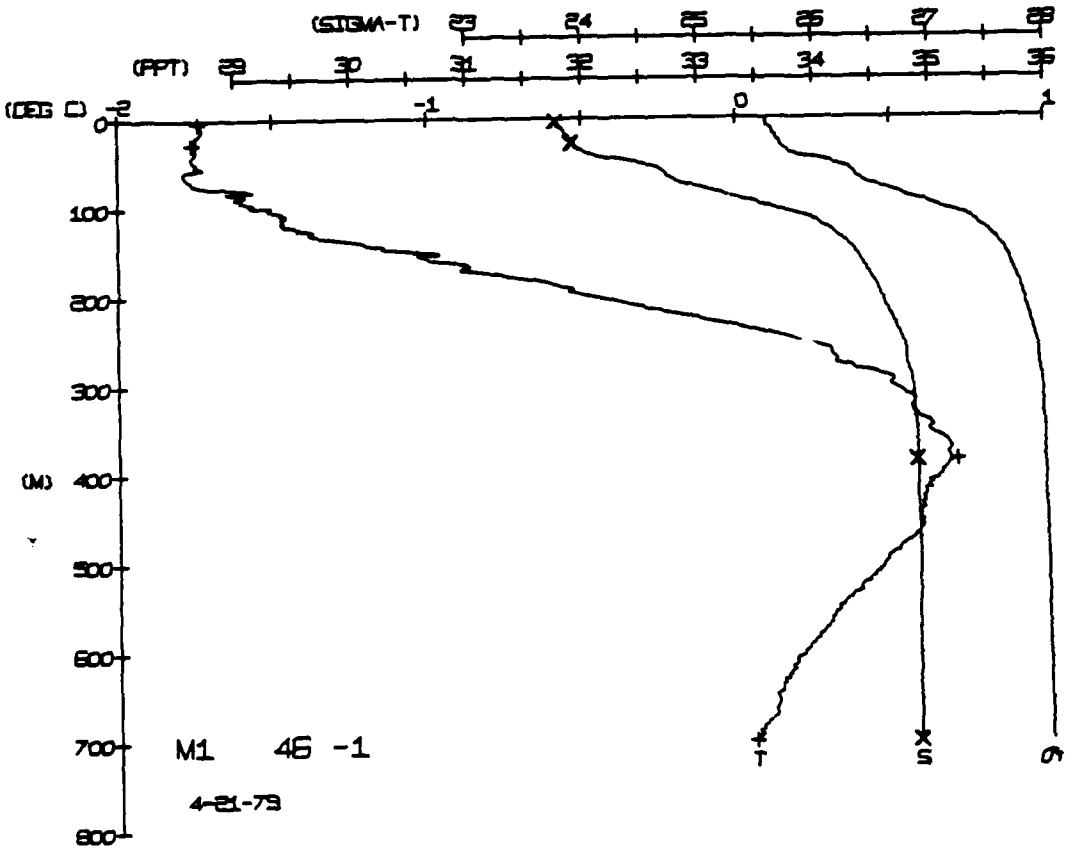
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.78	25.59	240.6	0.000	1436.6
3.0	-1.73	-1.73	31.78	25.59	240.6	0.007	1436.7
5.0	-1.73	-1.73	31.79	25.60	239.8	0.012	1436.7
10.0	-1.73	-1.73	31.81	25.61	238.5	0.024	1436.8
15.0	-1.73	-1.73	31.85	25.65	235.0	0.036	1436.9
20.0	-1.75	-1.75	31.88	25.67	232.8	0.048	1437.0
25.0	-1.75	-1.75	31.91	25.70	230.1	0.059	1437.1
30.0	-1.75	-1.75	31.95	25.72	227.5	0.071	1437.3
35.0	-1.75	-1.75	31.99	25.76	224.3	0.082	1437.4
40.0	-1.76	-1.76	32.07	25.82	217.9	0.094	1437.6
45.0	-1.76	-1.76	32.24	25.96	205.2	0.104	1437.9
50.0	-1.75	-1.75	32.48	26.16	186.1	0.114	1438.4
55.0	-1.72	-1.72	32.62	26.27	175.3	0.123	1438.8
60.0	-1.79	-1.79	32.70	26.34	168.9	0.132	1438.6
65.0	-1.78	-1.78	32.74	26.37	165.9	0.140	1438.8
70.0	-1.77	-1.77	32.81	26.43	160.5	0.148	1439.1
80.0	-1.59	-1.59	33.07	26.63	141.3	0.164	1440.4
90.0	-1.60	-1.61	33.32	26.83	121.8	0.177	1440.9
100.0	-1.50	-1.51	33.63	27.08	98.2	0.188	1442.0
110.0	-1.45	-1.46	33.93	27.32	75.9	0.197	1442.8
120.0	-1.46	-1.46	34.07	27.44	64.5	0.204	1443.1
130.0	-1.38	-1.39	34.19	27.53	55.6	0.210	1443.8
140.0	-1.22	-1.23	34.28	27.60	49.3	0.215	1444.8
150.0	-1.03	-1.03	34.36	27.66	43.9	0.220	1446.0
160.0	-0.99	-1.00	34.42	27.70	39.7	0.224	1446.4
170.0	-0.89	-0.90	34.46	27.73	37.1	0.228	1447.1
180.0	-0.70	-0.70	34.51	27.76	34.0	0.232	1448.3
190.0	-0.56	-0.56	34.56	27.79	31.0	0.235	1449.2
200.0	-0.48	-0.49	34.59	27.82	28.8	0.238	1449.7
210.0	-0.34	-0.35	34.63	27.84	26.4	0.241	1450.6
220.0	-0.21	-0.21	34.67	27.87	24.2	0.243	1451.4
230.0	-0.08	-0.09	34.70	27.89	22.4	0.246	1452.2
240.0	0.07	0.06	34.74	27.91	20.4	0.248	1453.1
250.0	0.20	0.19	34.77	27.93	18.4	0.250	1453.9
260.0	0.30	0.29	34.81	27.95	16.5	0.252	1454.6
270.0	0.33	0.31	34.81	27.95	16.6	0.253	1454.9
280.0	0.38	0.37	34.82	27.96	15.6	0.255	1455.3
290.0	0.48	0.47	34.84	27.97	14.7	0.256	1456.0
300.0	0.50	0.49	34.86	27.98	13.9	0.258	1456.2
310.0	0.54	0.53	34.86	27.98	13.8	0.259	1456.6
320.0	0.58	0.56	34.87	27.99	13.1	0.261	1456.9
330.0	0.57	0.56	34.87	27.99	13.1	0.262	1457.1
340.0	0.61	0.59	34.88	28.00	12.8	0.263	1457.4
350.0	0.63	0.61	34.89	28.00	12.3	0.264	1457.7
370.0	0.69	0.67	34.89	28.00	12.4	0.267	1458.3
390.0	0.69	0.67	34.90	28.00	12.2	0.269	1458.6
410.0	0.62	0.60	34.89	28.00	12.2	0.272	1458.7
430.0	0.61	0.59	34.90	28.01	11.3	0.274	1458.9
450.0	0.59	0.57	34.90	28.01	11.5	0.277	1459.2
470.0	0.58	0.56	34.91	28.02	10.7	0.279	1459.5
490.0	0.51	0.48	34.91	28.02	10.2	0.281	1459.5
510.0	0.46	0.44	34.91	28.03	9.5	0.283	1459.6
530.0	0.39	0.37	34.91	28.03	9.7	0.285	1459.6
550.0	0.33	0.30	34.91	28.04	9.0	0.287	1459.7
570.0	0.30	0.27	34.91	28.03	9.0	0.289	1459.9
590.0	0.25	0.22	34.91	28.04	8.4	0.290	1460.0
610.0	0.19	0.16	34.91	28.04	8.1	0.292	1460.0
630.0	0.16	0.13	34.91	28.04	8.0	0.294	1460.3
650.0	0.12	0.10	34.91	28.05	7.5	0.295	1460.4
670.0	0.12	0.09	34.92	28.05	7.0	0.297	1460.7
690.0	0.07	0.04	34.91	28.05	7.3	0.298	1460.8

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6	-1.74	31.77
BOT NUM = 2	27.5	-1.76	31.91
BOT NUM = 3	385.4	0.72	34.89
BOT NUM = 4	700.5	0.05	34.90

FRAM 1 STATION 47(1) CTD 22/APR/1979 710 GMT CODE = 1
LAT = 84.3267N LNG = 8.3374W LTER = 0. LGER = 0.
AIR TEMP = -26.6 BAROM = 1031.1 WIND = 246.0 SPEED = 2.6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.87	25.66	233.7	0.000	1436.7
3.1	-1.74	-1.74	31.87	25.66	233.7	0.007	1436.8
5.0	-1.74	-1.74	31.88	25.67	233.3	0.012	1436.8
10.0	-1.74	-1.74	31.89	25.68	232.1	0.023	1436.9
15.0	-1.74	-1.74	31.89	25.68	231.9	0.035	1437.0
20.0	-1.74	-1.74	31.90	25.69	231.1	0.047	1437.1
25.0	-1.74	-1.74	31.92	25.70	230.0	0.058	1437.2
30.0	-1.75	-1.75	31.98	25.75	224.9	0.070	1437.3
35.0	-1.75	-1.75	32.04	25.80	220.1	0.081	1437.5
40.0	-1.75	-1.75	32.17	25.90	210.5	0.092	1437.7
45.0	-1.74	-1.74	32.32	26.02	198.9	0.102	1438.1
50.0	-1.74	-1.74	32.52	26.18	183.6	0.112	1438.4
55.0	-1.74	-1.74	32.58	26.23	179.0	0.121	1438.6
60.0	-1.74	-1.74	32.67	26.31	172.0	0.130	1438.8
65.0	-1.74	-1.74	32.76	26.39	164.4	0.138	1439.0
70.0	-1.70	-1.71	32.85	26.45	158.0	0.146	1439.4
80.0	-1.64	-1.64	33.12	26.67	137.6	0.161	1440.3
90.0	-1.61	-1.61	33.43	26.92	113.8	0.174	1441.0
100.0	-1.50	-1.50	33.68	27.12	94.4	0.185	1442.0
110.0	-1.48	-1.48	33.92	27.31	76.5	0.193	1442.6
120.0	-1.43	-1.43	34.09	27.45	63.0	0.200	1443.3
130.0	-1.36	-1.36	34.21	27.54	54.7	0.206	1443.9
140.0	-1.26	-1.26	34.27	27.59	49.8	0.211	1444.7
150.0	-1.11	-1.11	34.35	27.65	44.3	0.216	1445.7
160.0	-0.96	-0.97	34.42	27.70	39.6	0.220	1446.6
170.0	-0.84	-0.85	34.47	27.74	36.2	0.224	1447.4
180.0	-0.68	-0.69	34.52	27.77	33.2	0.228	1448.4
190.0	-0.53	-0.53	34.56	27.80	30.5	0.231	1449.3
200.0	-0.42	-0.43	34.60	27.82	28.5	0.234	1450.0
210.0	-0.29	-0.30	34.63	27.84	26.6	0.237	1450.8
220.0	-0.15	-0.16	34.67	27.87	23.9	0.239	1451.7
230.0	-0.04	-0.05	34.70	27.89	22.3	0.242	1452.4
240.0	0.10	0.09	34.74	27.91	20.2	0.244	1453.3
250.0	0.23	0.22	34.77	27.93	18.7	0.246	1454.1
260.0	0.30	0.29	34.79	27.94	17.4	0.247	1454.6
270.0	0.34	0.33	34.81	27.95	16.7	0.249	1455.0
280.0	0.43	0.41	34.83	27.97	15.5	0.251	1455.5
290.0	0.49	0.48	34.85	27.98	14.4	0.252	1456.0
300.0	0.51	0.50	34.85	27.98	14.3	0.254	1456.3
310.0	0.54	0.52	34.86	27.98	14.1	0.255	1456.6
320.0	0.56	0.55	34.87	27.99	13.6	0.257	1456.9
330.0	0.58	0.57	34.87	27.99	13.8	0.258	1457.1
340.0	0.61	0.60	34.87	27.99	13.5	0.259	1457.4
350.0	0.63	0.61	34.88	27.99	13.1	0.261	1457.7
370.0	0.66	0.64	34.89	28.00	12.6	0.263	1458.2
390.0	0.66	0.64	34.89	28.00	12.4	0.266	1458.5
410.0	0.62	0.60	34.89	28.00	12.4	0.268	1458.6
430.0	0.60	0.58	34.90	28.01	11.8	0.271	1458.9
450.0	0.56	0.54	34.90	28.01	11.3	0.273	1459.0
470.0	0.52	0.49	34.90	28.02	11.1	0.275	1459.2
490.0	0.47	0.45	34.90	28.02	10.7	0.278	1459.3
510.0	0.41	0.39	34.91	28.03	9.6	0.280	1459.4
530.0	0.36	0.34	34.91	28.03	9.5	0.282	1459.5
550.0	0.32	0.29	34.91	28.03	9.2	0.283	1459.6
570.0	0.28	0.25	34.91	28.04	8.8	0.285	1459.8
590.0	0.24	0.22	34.91	28.04	8.6	0.287	1459.9
610.0	0.21	0.18	34.91	28.04	8.3	0.289	1460.1
630.0	0.17	0.14	34.90	28.04	8.4	0.290	1460.3
650.0	0.13	0.11	34.91	28.05	7.7	0.292	1460.5
670.0	0.10	0.07	34.91	28.05	7.5	0.294	1460.7
690.0	0.07	0.04	34.91	28.05	7.4	0.295	1460.9
699.1	0.06	0.02	34.92	28.06	6.7	0.296	1460.9

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6		31.87
BOT NUM = 2	21.8	-1.75	31.90
BOT NUM = 3	385.4	0.68	34.88
BOT NUM = 4	698.2	0.05	34.91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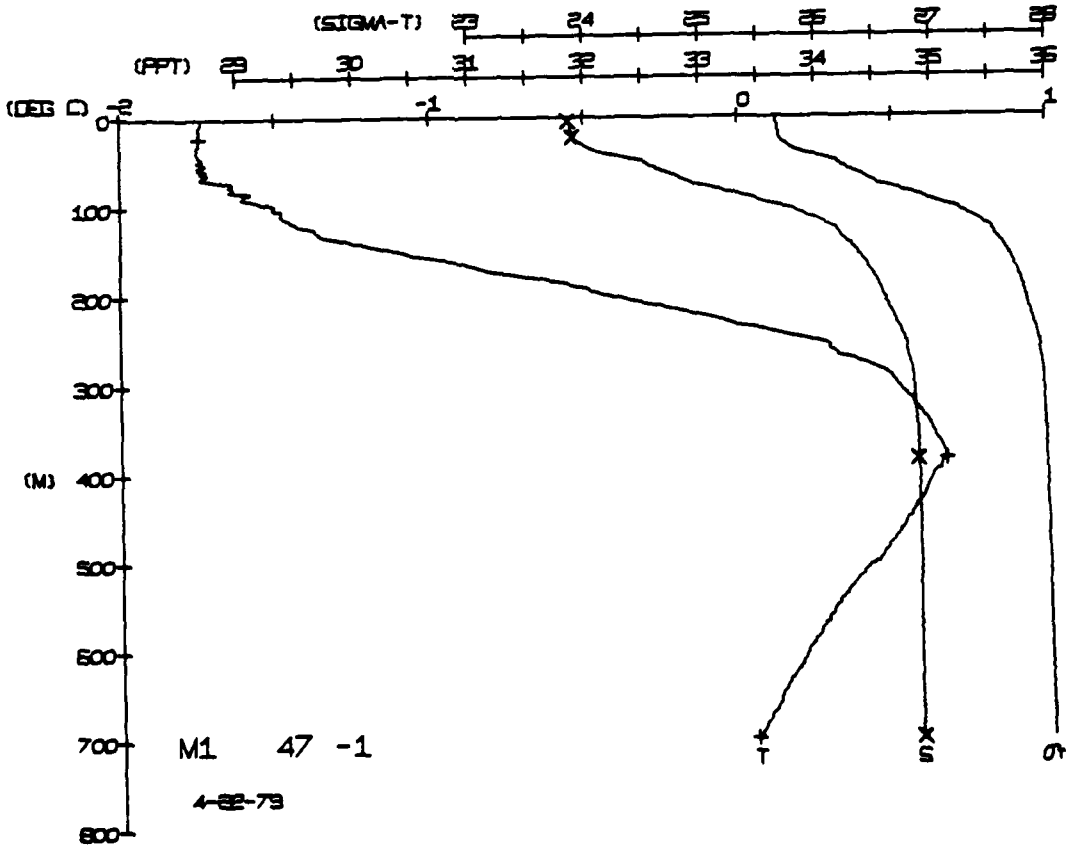
(PPT)
(DEG C)
(M)
M1 46 -1
4-21-79
T
S
σt


(SIGMA-T)
(PPT)
(DEG C)
(M)
M1 47 -1
4-22-79
T
S
σt

FRAM 1 STATION 48(1) CTD 22/APR/1979 1842 GMT CODE = 1
LAT = 84.3166N LNG = 8.2522W LTER = 32. LGER = 59.
AIR TEMP = -26.6 BAROM = 1013.8 WIND = 246.0 SPEED = 2.6

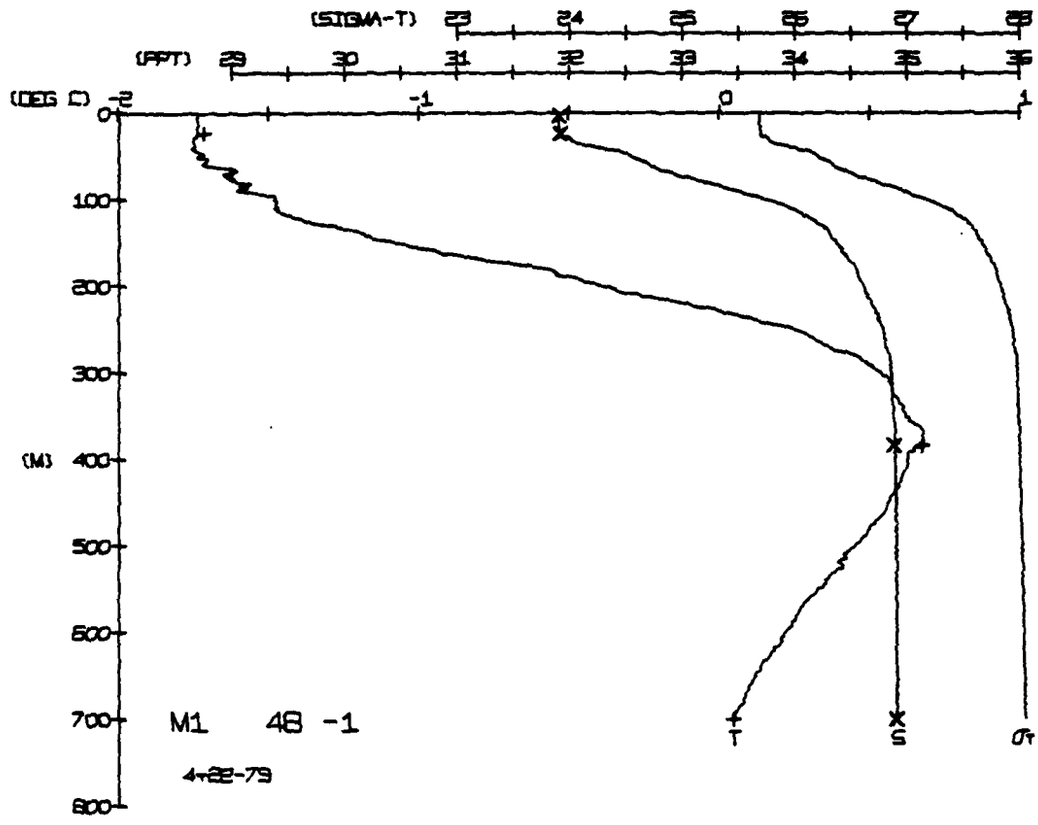
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.91	25.69	231.0	0.000	1436.8
3.0	-1.74	-1.74	31.91	25.69	231.0	0.007	1436.8
5.0	-1.74	-1.74	31.91	25.69	230.7	0.012	1436.8
10.0	-1.74	-1.74	31.90	25.69	231.3	0.023	1436.9
15.0	-1.74	-1.74	31.90	25.69	231.0	0.035	1437.0
20.0	-1.74	-1.74	31.91	25.70	230.3	0.047	1437.1
25.0	-1.74	-1.74	31.92	25.70	229.8	0.058	1437.2
30.0	-1.75	-1.75	32.00	25.77	223.2	0.069	1437.3
35.0	-1.75	-1.75	32.02	25.79	221.5	0.081	1437.4
40.0	-1.75	-1.75	32.21	25.94	207.1	0.091	1437.8
45.0	-1.75	-1.75	32.43	26.12	190.1	0.101	1438.2
50.0	-1.73	-1.73	32.54	26.20	182.0	0.111	1438.5
55.0	-1.71	-1.71	32.62	26.27	175.7	0.120	1438.8
60.0	-1.72	-1.72	32.70	26.33	169.8	0.129	1438.9
65.0	-1.65	-1.65	32.77	26.38	164.5	0.137	1439.5
70.0	-1.63	-1.63	32.89	26.49	154.8	0.145	1439.8
80.0	-1.61	-1.62	33.18	26.72	133.1	0.160	1440.5
90.0	-1.61	-1.61	33.45	26.94	111.6	0.172	1441.0
100.0	-1.48	-1.48	33.73	27.16	91.0	0.182	1442.2
110.0	-1.47	-1.48	33.94	27.33	74.5	0.190	1442.7
120.0	-1.43	-1.43	34.10	27.46	62.2	0.197	1443.3
130.0	-1.34	-1.34	34.22	27.55	53.9	0.203	1444.1
140.0	-1.19	-1.20	34.31	27.62	47.2	0.208	1445.0
150.0	-1.10	-1.10	34.37	27.66	43.3	0.213	1445.7
160.0	-0.96	-0.96	34.42	27.70	39.5	0.217	1446.6
170.0	-0.79	-0.80	34.48	27.75	35.5	0.221	1447.6
180.0	-0.59	-0.60	34.54	27.79	31.7	0.224	1448.8
190.0	-0.51	-0.51	34.57	27.81	29.9	0.227	1449.4
200.0	-0.40	-0.41	34.61	27.83	27.8	0.230	1450.1
210.0	-0.30	-0.31	34.64	27.85	26.0	0.233	1450.8
220.0	-0.14	-0.15	34.68	27.87	23.9	0.235	1451.7
230.0	0.00	-0.01	34.71	27.90	21.6	0.238	1452.6
240.0	0.11	0.10	34.74	27.91	20.0	0.240	1453.3
250.0	0.25	0.24	34.78	27.94	17.8	0.242	1454.1
260.0	0.31	0.30	34.80	27.95	17.2	0.244	1454.6
270.0	0.35	0.34	34.81	27.95	16.8	0.245	1455.0
280.0	0.44	0.43	34.84	27.97	14.8	0.247	1455.6
290.0	0.49	0.48	34.85	27.98	14.6	0.248	1456.0
300.0	0.54	0.52	34.86	27.99	13.7	0.250	1456.4
310.0	0.56	0.55	34.86	27.98	14.2	0.251	1456.7
320.0	0.57	0.56	34.86	27.98	14.0	0.253	1456.9
330.0	0.59	0.57	34.87	27.99	13.6	0.254	1457.2
340.0	0.61	0.60	34.88	27.99	13.3	0.255	1457.4
350.0	0.62	0.60	34.88	28.00	12.9	0.257	1457.6
370.0	0.68	0.66	34.89	28.00	12.5	0.259	1458.2
390.0	0.65	0.63	34.90	28.01	11.8	0.262	1458.5
410.0	0.62	0.61	34.89	28.00	12.2	0.264	1458.7
430.0	0.60	0.58	34.89	28.01	11.9	0.267	1458.9
450.0	0.56	0.54	34.90	28.02	11.1	0.269	1459.1
470.0	0.53	0.51	34.91	28.02	10.6	0.271	1459.2
490.0	0.48	0.46	34.91	28.03	10.1	0.273	1459.4
510.0	0.42	0.39	34.91	28.03	9.8	0.275	1459.4
530.0	0.39	0.36	34.91	28.03	9.5	0.277	1459.6
550.0	0.34	0.31	34.90	28.03	9.6	0.279	1459.7
570.0	0.27	0.25	34.91	28.04	9.0	0.281	1459.8
590.0	0.24	0.22	34.91	28.04	8.3	0.283	1460.0
610.0	0.21	0.18	34.91	28.04	8.2	0.284	1460.1
630.0	0.16	0.14	34.91	28.04	8.0	0.286	1460.3
650.0	0.12	0.09	34.91	28.05	7.7	0.288	1460.4
670.0	0.09	0.06	34.92	28.05	7.0	0.289	1460.6
690.0	0.06	0.03	34.91	28.05	7.2	0.290	1460.8
701.0	0.05	0.02	34.92	28.06	6.7	0.291	1460.9

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6		31.90
BOT NUM = 2	23.9	-1.72	31.91
BOT NUM = 3	384.7	0.68	34.88
BOT NUM = 4	701.0	0.05	34.90

FRAM 1 STATION 49(1) CTD 23/APR/1979 705 GMT CODE = 1
LAT = 84.3167N LNG = 8.2307W LTER = 4 LGER = 12.
AIR TEMP = -26.0 BAROM = 1015.5 WIND = 105.0 SPEED = 2.4

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.88	25.67	233.0	0.000	1436.7
3.0	-1.74	-1.74	31.88	25.67	233.0	0.007	1436.8
5.0	-1.74	-1.74	31.89	25.67	233.0	0.012	1436.8
10.0	-1.74	-1.74	31.88	25.67	232.8	0.023	1436.9
15.0	-1.74	-1.74	31.89	25.68	231.8	0.035	1437.0
20.0	-1.74	-1.74	31.89	25.68	231.8	0.047	1437.1
25.0	-1.74	-1.74	31.90	25.68	231.4	0.058	1437.2
30.0	-1.74	-1.74	31.90	25.68	231.5	0.070	1437.2
35.0	-1.74	-1.74	32.17	25.91	210.0	0.081	1437.7
40.0	-1.73	-1.73	32.39	26.08	193.2	0.091	1438.1
45.0	-1.71	-1.71	32.50	26.17	185.0	0.101	1438.5
50.0	-1.72	-1.72	32.59	26.24	178.2	0.110	1438.6
55.0	-1.73	-1.73	32.66	26.30	172.2	0.119	1438.8
60.0	-1.74	-1.74	32.71	26.34	168.4	0.127	1438.9
65.0	-1.74	-1.74	32.76	26.38	165.1	0.136	1439.0
70.0	-1.67	-1.67	32.81	26.42	160.7	0.144	1439.5
80.0	-1.58	-1.58	33.11	26.66	138.0	0.159	1440.5
90.0	-1.55	-1.55	33.44	26.93	113.0	0.172	1441.3
100.0	-1.50	-1.50	33.69	27.13	94.1	0.182	1442.1
110.0	-1.49	-1.49	33.93	27.33	75.0	0.191	1442.6
120.0	-1.42	-1.42	34.12	27.47	61.2	0.198	1443.4
130.0	-1.33	-1.34	34.21	27.54	54.5	0.203	1444.1
140.0	-1.19	-1.19	34.29	27.61	48.6	0.209	1445.0
150.0	-1.09	-1.09	34.35	27.65	44.7	0.213	1445.7
160.0	-0.94	-0.94	34.41	27.69	40.4	0.218	1446.7
170.0	-0.83	-0.84	34.45	27.72	37.8	0.222	1447.4
180.0	-0.66	-0.67	34.51	27.76	33.8	0.225	1448.4
190.0	-0.51	-0.51	34.56	27.79	31.2	0.229	1449.4
200.0	-0.37	-0.38	34.59	27.82	29.1	0.232	1450.2
210.0	-0.30	-0.30	34.63	27.84	26.8	0.234	1450.8
220.0	-0.16	-0.17	34.66	27.86	24.7	0.237	1451.6
230.0	0.01	0.00	34.72	27.90	21.5	0.239	1452.7
240.0	0.15	0.14	34.75	27.92	19.8	0.241	1453.5
250.0	0.27	0.26	34.78	27.93	18.5	0.243	1454.2
260.0	0.31	0.30	34.79	27.94	17.6	0.245	1454.6
270.0	0.39	0.38	34.81	27.95	16.8	0.247	1455.2
280.0	0.46	0.44	34.82	27.96	16.2	0.249	1455.7
290.0	0.51	0.49	34.84	27.97	15.2	0.250	1456.1
300.0	0.54	0.53	34.84	27.97	15.1	0.252	1456.4
310.0	0.56	0.55	34.85	27.97	15.0	0.253	1456.7
320.0	0.57	0.56	34.85	27.97	14.8	0.255	1456.9
330.0	0.59	0.57	34.86	27.98	14.7	0.256	1457.1
340.0	0.62	0.60	34.86	27.98	14.6	0.258	1457.4
350.0	0.63	0.61	34.86	27.98	14.7	0.259	1457.6
370.0	0.67	0.66	34.88	27.99	13.6	0.262	1458.2
390.0	0.65	0.63	34.89	28.00	12.3	0.265	1458.5
410.0	0.62	0.60	34.90	28.01	11.9	0.267	1458.6
430.0	0.60	0.58	34.90	28.01	11.4	0.269	1458.9
450.0	0.56	0.54	34.90	28.01	11.4	0.272	1459.1
470.0	0.54	0.52	34.90	28.02	10.9	0.274	1459.3
490.0	0.49	0.46	34.90	28.02	10.3	0.276	1459.4
510.0	0.43	0.41	34.91	28.03	9.8	0.278	1459.5
530.0	0.39	0.36	34.91	28.03	9.6	0.280	1459.6
550.0	0.32	0.30	34.91	28.03	9.3	0.282	1459.6
570.0	0.28	0.25	34.91	28.04	9.0	0.284	1459.8
590.0	0.24	0.22	34.91	28.04	8.5	0.286	1460.0
610.0	0.19	0.16	34.91	28.04	8.0	0.287	1460.0
630.0	0.15	0.13	34.90	28.04	8.4	0.289	1460.2
650.0	0.12	0.09	34.91	28.05	7.5	0.291	1460.4
670.0	0.09	0.06	34.91	28.05	7.3	0.292	1460.6
690.0	0.05	0.02	34.91	28.05	6.9	0.294	1460.8
699.8	0.04	0.01	34.92	28.06	6.4	0.294	1460.9

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6		31.87
BOT NUM = 2	21.9	-1.71	31.90
BOT NUM = 3	386.3	0.68	34.88
BOT NUM = 4	700.0	0.04	34.90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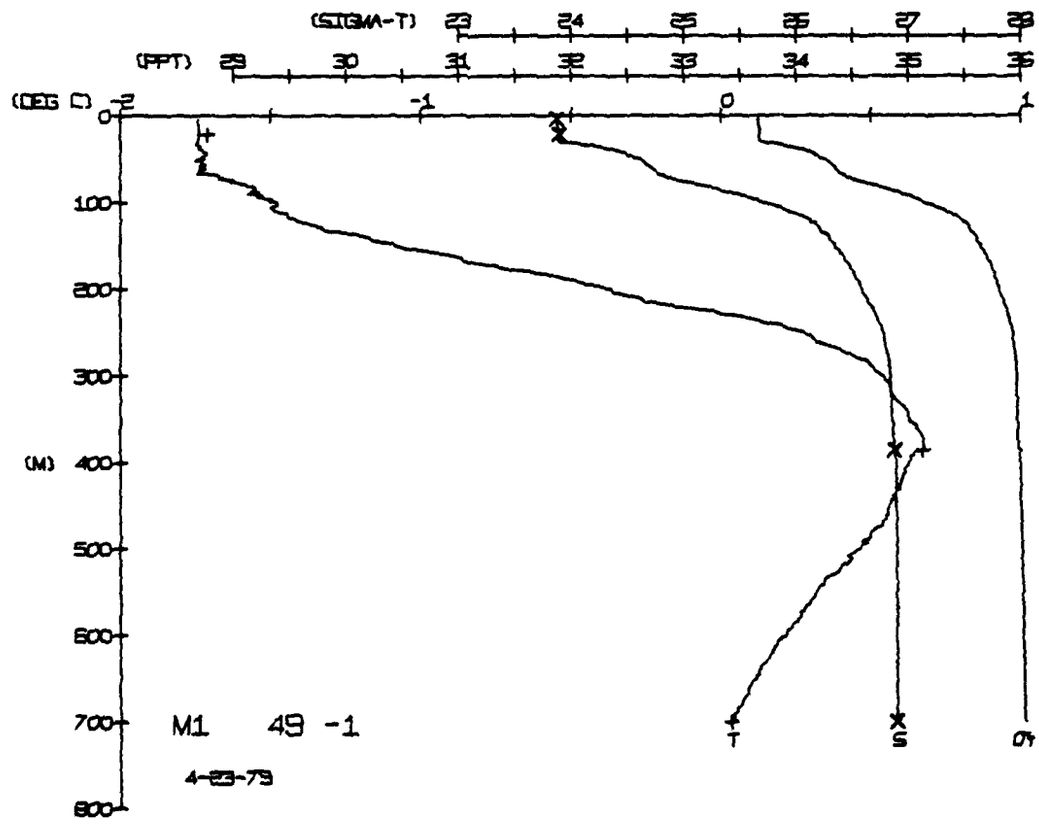
(PPT)
(DEG C)
(M)
M1 48 -1
4-22-79


(SIGMA-T)
(PPT)
(DEG C)
(M)
M1 49 -1
4-23-79

FRAM 1 STATION 50(1) CTD 23/APR/1979 1906 GMT CODE = 1
LAT = 84.3131N LNG = 8.1776W LTER = 4. LGER = 11.
AIR TEMP = -26.0 BAROM = 1018.9 WIND = 105.0 SPEED = 2.4

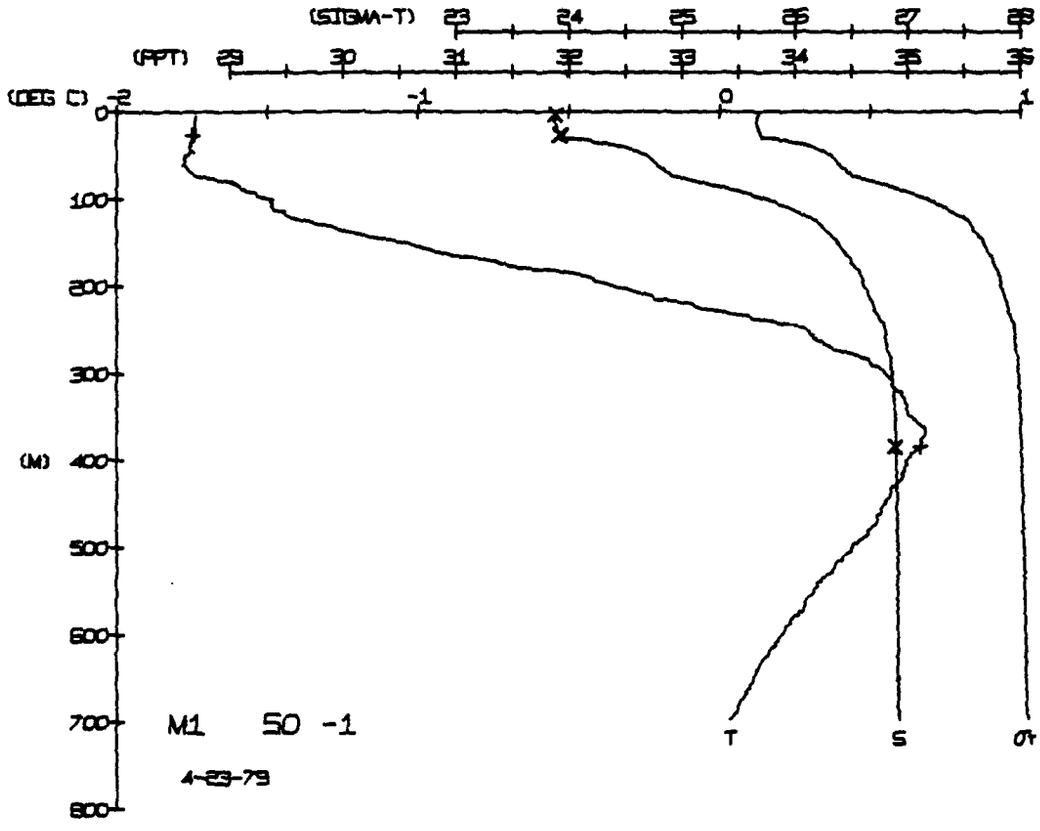
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.88	25.67	232.7	0.000	1436.7
3.0	-1.74	-1.74	31.88	25.67	232.7	0.007	1436.8
5.0	-1.74	-1.74	31.88	25.67	232.6	0.012	1436.8
10.0	-1.74	-1.74	31.88	25.67	233.0	0.023	1436.9
15.0	-1.74	-1.74	31.89	25.67	232.5	0.035	1437.0
20.0	-1.74	-1.74	31.89	25.67	232.4	0.047	1437.1
25.0	-1.74	-1.74	31.90	25.68	231.3	0.059	1437.2
30.0	-1.74	-1.74	31.93	25.71	229.1	0.070	1437.3
35.0	-1.75	-1.75	32.23	25.95	205.7	0.081	1437.7
40.0	-1.76	-1.76	32.47	26.15	187.2	0.091	1438.1
45.0	-1.75	-1.75	32.57	26.23	179.8	0.100	1438.4
50.0	-1.77	-1.77	32.67	26.31	172.0	0.109	1438.5
55.0	-1.77	-1.77	32.73	26.36	167.3	0.118	1438.7
60.0	-1.78	-1.78	32.77	26.39	164.3	0.126	1438.8
65.0	-1.77	-1.77	32.82	26.43	160.5	0.134	1439.0
70.0	-1.75	-1.76	32.86	26.46	157.2	0.142	1439.2
80.0	-1.65	-1.66	33.09	26.65	139.3	0.157	1440.1
90.0	-1.57	-1.57	33.44	26.93	113.1	0.170	1441.2
100.0	-1.51	-1.51	33.71	27.15	92.1	0.180	1442.0
110.0	-1.48	-1.49	33.92	27.31	76.3	0.189	1442.6
120.0	-1.44	-1.44	34.09	27.45	63.5	0.196	1443.2
130.0	-1.31	-1.32	34.23	27.56	52.8	0.202	1444.2
140.0	-1.22	-1.22	34.30	27.61	48.1	0.207	1444.9
150.0	-1.07	-1.07	34.37	27.66	43.3	0.211	1445.8
160.0	-0.96	-0.96	34.41	27.70	40.0	0.215	1446.6
170.0	-0.79	-0.80	34.48	27.74	35.6	0.219	1447.6
180.0	-0.66	-0.67	34.53	27.78	32.8	0.223	1448.5
190.0	-0.45	-0.45	34.59	27.82	29.1	0.226	1449.7
200.0	-0.36	-0.36	34.61	27.83	27.4	0.229	1450.3
210.0	-0.25	-0.26	34.65	27.85	25.5	0.231	1451.0
220.0	-0.12	-0.13	34.67	27.87	24.0	0.234	1451.8
230.0	0.00	-0.01	34.71	27.89	22.0	0.236	1452.6
240.0	0.14	0.13	34.75	27.92	19.9	0.238	1453.4
250.0	0.28	0.27	34.79	27.94	17.9	0.240	1454.3
260.0	0.31	0.30	34.79	27.94	17.4	0.242	1454.6
270.0	0.36	0.35	34.81	27.96	16.4	0.244	1455.0
280.0	0.45	0.43	34.83	27.97	15.4	0.245	1455.6
290.0	0.50	0.49	34.85	27.98	14.4	0.247	1456.1
300.0	0.54	0.53	34.86	27.98	14.2	0.248	1456.4
310.0	0.57	0.56	34.86	27.98	14.5	0.250	1456.7
320.0	0.58	0.57	34.86	27.98	14.2	0.251	1456.9
330.0	0.61	0.60	34.87	27.99	13.6	0.253	1457.3
340.0	0.62	0.60	34.88	27.99	13.3	0.254	1457.5
350.0	0.63	0.61	34.88	27.99	13.2	0.255	1457.7
370.0	0.68	0.67	34.89	28.00	12.6	0.258	1458.3
390.0	0.65	0.63	34.89	28.00	12.3	0.260	1458.5
410.0	0.61	0.59	34.89	28.01	11.9	0.263	1458.6
430.0	0.58	0.56	34.89	28.01	11.8	0.265	1458.8
450.0	0.55	0.53	34.90	28.01	11.3	0.268	1459.0
470.0	0.52	0.50	34.90	28.02	10.7	0.270	1459.2
490.0	0.48	0.45	34.90	28.02	10.4	0.272	1459.3
510.0	0.41	0.39	34.90	28.02	10.1	0.274	1459.4
530.0	0.37	0.35	34.91	28.03	9.4	0.276	1459.5
550.0	0.31	0.29	34.90	28.03	9.3	0.278	1459.6
570.0	0.28	0.25	34.91	28.04	9.0	0.280	1459.8
590.0	0.23	0.20	34.90	28.03	9.0	0.282	1459.9
610.0	0.18	0.16	34.90	28.04	8.5	0.283	1460.0
630.0	0.14	0.11	34.91	28.04	7.9	0.285	1460.2
650.0	0.11	0.08	34.91	28.04	7.8	0.287	1460.4
670.0	0.08	0.05	34.90	28.05	7.7	0.288	1460.5
690.0	0.05	0.02	34.91	28.05	7.4	0.290	1460.8

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.6		31.88
BOT NUM = 2	26.9		31.92
BOT NUM = 3	26.9	-1.75	31.91
BOT NUM = 4	385.6	0.67	34.88

FRAM 1 STATION 51(1) CTD 24/APR/1979 714 GMT CODE = 1
LAT = 84.3076N LNG = 8.1380W LTER = 0. LGER = 0.
AIR TEMP = -25.8 BAROM = 1021.5 WIND = 51.0 SPEED = 1.6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	31.93	25.71	229.0	0.000	1436.8
3.0	-1.74	-1.74	31.93	25.71	228.9	0.007	1436.8
5.0	-1.74	-1.74	31.94	25.72	228.4	0.012	1436.9
10.0	-1.74	-1.74	31.93	25.71	228.7	0.023	1437.0
15.0	-1.74	-1.74	31.94	25.72	228.0	0.035	1437.0
20.0	-1.74	-1.74	31.94	25.72	228.0	0.046	1437.1
25.0	-1.74	-1.74	31.96	25.73	226.8	0.057	1437.2
30.0	-1.74	-1.74	32.01	25.77	223.1	0.069	1437.4
35.0	-1.75	-1.75	32.36	26.06	195.8	0.079	1437.9
40.0	-1.76	-1.76	32.47	26.14	187.6	0.089	1438.1
45.0	-1.75	-1.76	32.58	26.24	178.4	0.098	1438.4
50.0	-1.76	-1.76	32.66	26.30	172.3	0.107	1438.5
55.0	-1.76	-1.76	32.69	26.32	170.3	0.116	1438.7
60.0	-1.76	-1.76	32.75	26.38	165.2	0.124	1438.8
65.0	-1.77	-1.77	32.79	26.41	162.5	0.132	1438.9
70.0	-1.74	-1.74	32.84	26.45	158.4	0.140	1439.2
80.0	-1.66	-1.67	33.06	26.62	142.1	0.156	1440.0
90.0	-1.60	-1.60	33.33	26.84	121.6	0.169	1440.9
100.0	-1.53	-1.53	33.73	27.16	91.0	0.180	1441.9
110.0	-1.48	-1.49	33.91	27.31	76.8	0.188	1442.6
120.0	-1.44	-1.44	34.07	27.44	64.5	0.195	1443.2
130.0	-1.35	-1.35	34.20	27.54	55.3	0.201	1444.0
140.0	-1.22	-1.22	34.29	27.60	48.8	0.206	1444.9
150.0	-1.09	-1.09	34.37	27.66	43.2	0.211	1445.8
160.0	-0.96	-0.97	34.42	27.70	39.9	0.215	1446.6
170.0	-0.82	-0.83	34.46	27.73	36.7	0.219	1447.5
180.0	-0.69	-0.69	34.52	27.77	33.4	0.223	1448.3
190.0	-0.51	-0.52	34.56	27.80	30.7	0.226	1449.4
200.0	-0.44	-0.45	34.60	27.82	28.2	0.229	1449.9
210.0	-0.25	-0.26	34.64	27.85	25.6	0.232	1451.0
220.0	-0.12	-0.12	34.68	27.88	23.5	0.234	1451.9
230.0	0.00	-0.01	34.71	27.89	21.8	0.236	1452.6
240.0	0.14	0.13	34.75	27.92	19.6	0.239	1453.5
250.0	0.27	0.26	34.78	27.94	18.2	0.240	1454.3
260.0	0.31	0.30	34.79	27.94	17.7	0.242	1454.6
270.0	0.35	0.34	34.81	27.95	16.7	0.244	1455.0
280.0	0.42	0.41	34.82	27.96	16.3	0.246	1455.5
290.0	0.50	0.49	34.85	27.97	14.7	0.247	1456.0
300.0	0.52	0.51	34.84	27.97	15.0	0.249	1456.3
310.0	0.56	0.54	34.85	27.98	14.4	0.250	1456.7
320.0	0.57	0.56	34.85	27.98	14.6	0.252	1456.9
330.0	0.59	0.57	34.87	27.99	13.7	0.253	1457.1
340.0	0.62	0.60	34.87	27.99	13.7	0.254	1457.4
350.0	0.63	0.61	34.88	27.99	13.4	0.256	1457.7
370.0	0.68	0.66	34.89	28.00	12.4	0.258	1458.3
390.0	0.66	0.64	34.88	27.99	13.6	0.261	1458.5
410.0	0.62	0.60	34.87	27.99	13.5	0.264	1458.6
430.0	0.59	0.57	34.87	27.99	13.3	0.267	1458.8
450.0	0.57	0.54	34.89	28.00	12.1	0.269	1459.1
470.0	0.52	0.50	34.88	28.00	12.2	0.272	1459.2
490.0	0.47	0.45	34.89	28.01	11.4	0.274	1459.3
510.0	0.41	0.39	34.88	28.01	11.4	0.276	1459.4
530.0	0.36	0.33	34.88	28.01	11.3	0.279	1459.4
550.0	0.30	0.28	34.89	28.02	10.3	0.281	1459.5
570.0	0.25	0.23	34.88	28.02	10.5	0.283	1459.6
590.0	0.21	0.19	34.88	28.02	10.1	0.285	1459.8
610.0	0.18	0.15	34.89	28.03	9.7	0.287	1460.0
630.0	0.16	0.13	34.89	28.03	9.5	0.289	1460.2
650.0	0.12	0.10	34.88	28.03	9.7	0.291	1460.4
670.0	0.09	0.06	34.89	28.03	9.0	0.293	1460.6
690.0	0.06	0.03	34.91	28.05	7.1	0.294	1460.8

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.7		
BOT NUM = 2	27.1	-1.74	32.01
BOT NUM = 3	386.8	0.68	34.88
BOT NUM = 4	698.0	0.04	34.90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(M) 400
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M1 50 -1
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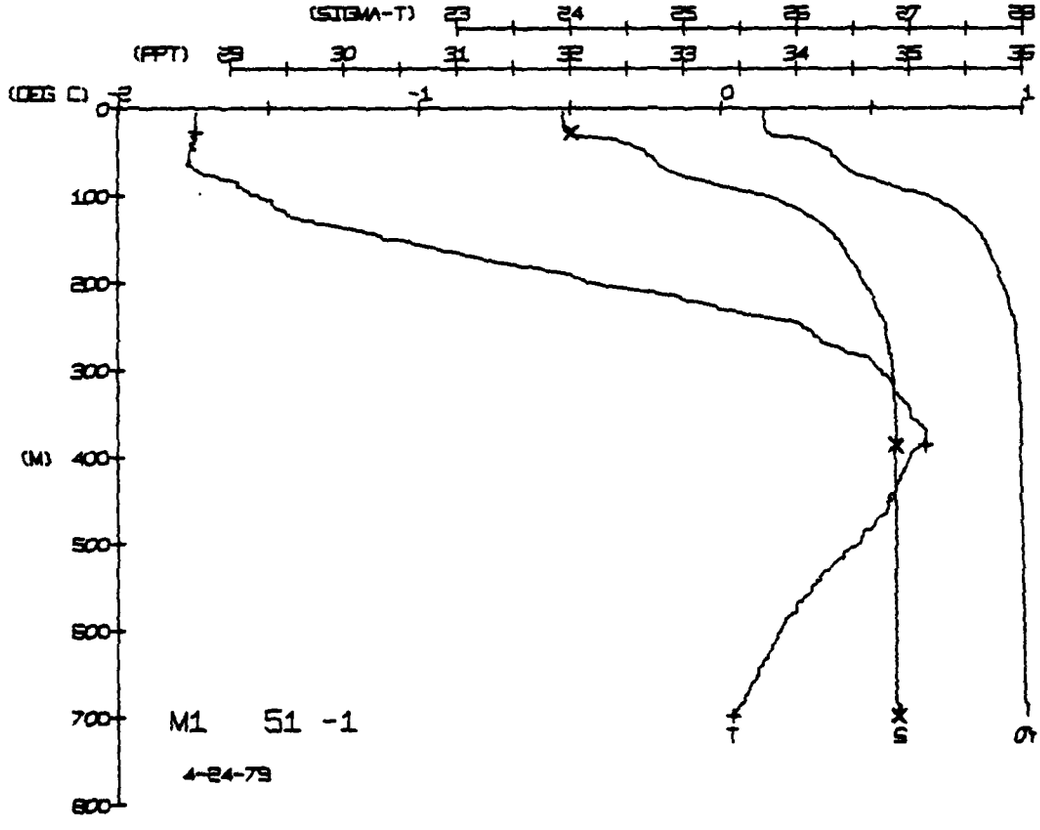
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FRAM 1 STATION 52(1) CTD 24/APR/1979 1724 GMT CODE = 1
LAT = 84.3024N LNG = 8.0877W LTER = 1. LGER = 2.
AIR TEMP = -25.8 BAROM = 1021.5 WIND = 51.0 SPEED = 1.6

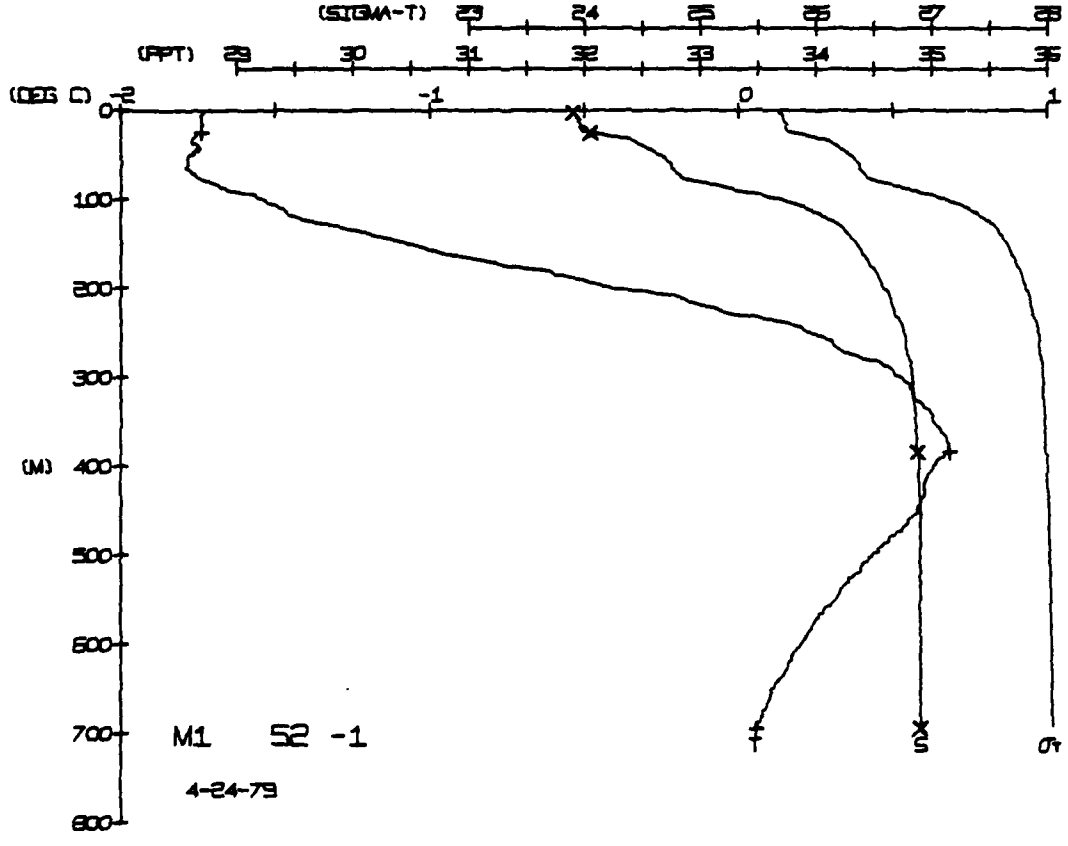
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.73	-1.73	31.88	25.67	232.7	0.000	1436.8
3.1	-1.73	-1.73	31.88	25.67	232.7	0.007	1436.8
5.0	-1.74	-1.74	31.91	25.69	231.0	0.012	1436.8
10.0	-1.74	-1.74	31.93	25.71	229.1	0.023	1436.9
15.0	-1.74	-1.74	31.96	25.73	227.0	0.035	1437.1
20.0	-1.74	-1.74	31.97	25.74	225.9	0.046	1437.2
25.0	-1.74	-1.74	32.01	25.77	223.1	0.057	1437.3
30.0	-1.76	-1.76	32.22	25.95	206.4	0.068	1437.6
35.0	-1.77	-1.77	32.41	26.10	191.5	0.078	1437.9
40.0	-1.75	-1.75	32.48	26.16	186.1	0.088	1438.2
45.0	-1.75	-1.75	32.56	26.22	180.3	0.097	1438.4
50.0	-1.76	-1.76	32.63	26.28	174.7	0.106	1438.5
55.0	-1.78	-1.79	32.69	26.33	170.0	0.115	1438.6
60.0	-1.79	-1.79	32.73	26.36	167.0	0.123	1438.7
65.0	-1.79	-1.79	32.74	26.37	165.9	0.132	1438.8
70.0	-1.77	-1.77	32.78	26.40	163.1	0.140	1439.0
80.0	-1.73	-1.74	32.91	26.50	153.0	0.156	1439.5
90.0	-1.66	-1.66	33.29	26.81	124.2	0.170	1440.6
100.0	-1.55	-1.56	33.64	27.09	97.2	0.181	1441.7
110.0	-1.50	-1.50	33.89	27.29	78.3	0.190	1442.5
120.0	-1.44	-1.44	34.05	27.42	66.1	0.197	1443.2
130.0	-1.33	-1.33	34.20	27.53	55.4	0.203	1444.1
140.0	-1.21	-1.21	34.27	27.59	49.9	0.208	1444.9
150.0	-1.09	-1.09	34.34	27.64	45.0	0.213	1445.7
160.0	-0.99	-0.99	34.39	27.68	41.9	0.218	1446.4
170.0	-0.83	-0.84	34.45	27.72	37.6	0.222	1447.4
180.0	-0.67	-0.68	34.51	27.76	34.2	0.225	1448.4
190.0	-0.53	-0.54	34.55	27.79	31.6	0.229	1449.3
200.0	-0.42	-0.42	34.58	27.81	29.5	0.232	1450.0
210.0	-0.21	-0.22	34.64	27.85	26.2	0.235	1451.2
220.0	-0.13	-0.14	34.66	27.86	24.8	0.237	1451.8
230.0	-0.03	-0.04	34.69	27.88	23.6	0.240	1452.4
240.0	0.16	0.15	34.74	27.91	20.6	0.242	1453.5
250.0	0.22	0.21	34.76	27.92	19.8	0.244	1454.0
260.0	0.30	0.29	34.78	27.93	18.6	0.246	1454.5
270.0	0.33	0.32	34.79	27.94	18.0	0.248	1454.9
280.0	0.41	0.39	34.81	27.95	17.1	0.249	1455.4
290.0	0.49	0.48	34.83	27.96	16.1	0.251	1456.0
300.0	0.52	0.51	34.84	27.97	15.6	0.253	1456.3
310.0	0.56	0.54	34.84	27.97	15.5	0.254	1456.6
320.0	0.57	0.56	34.84	27.97	15.7	0.256	1456.9
330.0	0.59	0.58	34.85	27.97	15.3	0.257	1457.1
340.0	0.62	0.60	34.86	27.98	14.5	0.259	1457.4
350.0	0.63	0.62	34.86	27.98	14.4	0.260	1457.7
370.0	0.67	0.66	34.87	27.99	14.0	0.263	1458.2
390.0	0.66	0.65	34.89	28.00	12.4	0.266	1458.5
410.0	0.62	0.60	34.89	28.01	12.0	0.268	1458.6
430.0	0.60	0.58	34.90	28.01	11.6	0.271	1458.9
450.0	0.58	0.56	34.90	28.02	11.1	0.273	1459.1
470.0	0.53	0.51	34.91	28.02	10.6	0.275	1459.3
490.0	0.47	0.45	34.91	28.02	10.2	0.277	1459.3
510.0	0.41	0.38	34.90	28.03	9.9	0.279	1459.4
530.0	0.36	0.33	34.91	28.03	9.5	0.281	1459.5
550.0	0.31	0.29	34.90	28.03	9.3	0.283	1459.6
570.0	0.26	0.23	34.90	28.03	9.0	0.285	1459.7
590.0	0.22	0.19	34.90	28.04	8.8	0.287	1459.8
610.0	0.18	0.15	34.91	28.04	8.3	0.289	1460.0
630.0	0.15	0.12	34.91	28.04	8.1	0.290	1460.2
650.0	0.11	0.08	34.91	28.04	7.8	0.292	1460.4
670.0	0.09	0.06	34.91	28.05	7.6	0.293	1460.6
690.0	0.06	0.03	34.91	28.05	7.3	0.295	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4		31.90
BOT NUM = 2	26.6	-1.74	32.05
BOT NUM = 3	385.2	0.69	34.88
BOT NUM = 4	695.5	0.05	34.90

FRAM 1 STATION 53(1) CTD 25/APR/1979 1140 GMT CODE = 1
LAT = 84.2922N LNG = 8.0162W LTER = 1. LGER = 2.
AIR TEMP = -21.9 BAROM = 1020.4 WIND = 125.0 SPEED = 1.2

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.00	25.76	223.9	0.000	1436.9
3.1	-1.74	-1.74	32.00	25.76	223.9	0.007	1436.9
5.0	-1.74	-1.74	32.00	25.77	223.5	0.011	1436.9
10.0	-1.75	-1.75	32.03	25.79	221.2	0.022	1437.1
15.0	-1.75	-1.75	32.16	25.89	211.5	0.033	1437.3
20.0	-1.77	-1.77	32.42	26.11	191.4	0.043	1437.7
25.0	-1.77	-1.77	32.46	26.14	187.9	0.053	1437.8
30.0	-1.77	-1.77	32.47	26.15	187.0	0.062	1437.9
35.0	-1.77	-1.77	32.48	26.16	186.5	0.072	1438.0
40.0	-1.77	-1.77	32.49	26.17	185.6	0.081	1438.1
45.0	-1.77	-1.77	32.49	26.16	185.9	0.091	1438.2
50.0	-1.77	-1.77	32.49	26.16	185.9	0.100	1438.3
55.0	-1.78	-1.78	32.51	26.18	183.9	0.109	1438.3
60.0	-1.76	-1.76	32.59	26.25	177.5	0.118	1438.6
65.0	-1.77	-1.77	32.73	26.36	167.1	0.127	1438.9
70.0	-1.77	-1.77	32.78	26.40	163.4	0.135	1439.0
80.0	-1.76	-1.77	32.88	26.48	155.0	0.151	1439.3
90.0	-1.64	-1.65	33.28	26.80	125.2	0.166	1440.6
100.0	-1.55	-1.55	33.63	27.08	98.2	0.177	1441.7
110.0	-1.49	-1.49	33.89	27.29	78.2	0.186	1442.5
120.0	-1.46	-1.47	34.06	27.43	65.5	0.193	1443.1
130.0	-1.38	-1.38	34.17	27.52	57.1	0.199	1443.8
140.0	-1.21	-1.22	34.29	27.61	48.7	0.205	1444.9
150.0	-1.12	-1.12	34.34	27.65	44.8	0.209	1445.6
160.0	-0.98	-0.98	34.41	27.69	40.6	0.214	1446.5
170.0	-0.85	-0.85	34.46	27.73	36.6	0.217	1447.4
180.0	-0.70	-0.71	34.51	27.77	33.7	0.221	1448.3
190.0	-0.59	-0.60	34.55	27.79	31.3	0.224	1449.0
200.0	-0.43	-0.43	34.60	27.82	28.4	0.227	1450.0
210.0	-0.30	-0.31	34.63	27.85	26.2	0.230	1450.8
220.0	-0.11	-0.12	34.69	27.88	23.3	0.233	1451.9
230.0	-0.01	-0.02	34.71	27.89	21.8	0.235	1452.6
240.0	0.11	0.10	34.74	27.91	20.0	0.237	1453.3
250.0	0.25	0.24	34.78	27.94	17.9	0.239	1454.2
260.0	0.30	0.29	34.80	27.95	17.1	0.241	1454.6
270.0	0.33	0.32	34.80	27.95	17.1	0.242	1454.9
280.0	0.42	0.40	34.83	27.97	15.5	0.244	1455.5
290.0	0.49	0.48	34.85	27.98	14.5	0.245	1456.0
300.0	0.53	0.52	34.86	27.98	14.1	0.247	1456.4
310.0	0.57	0.55	34.86	27.98	14.2	0.248	1456.7
320.0	0.57	0.56	34.86	27.98	14.0	0.250	1456.9
330.0	0.58	0.56	34.86	27.98	14.1	0.251	1457.1
340.0	0.61	0.59	34.87	27.99	13.5	0.253	1457.4
350.0	0.64	0.63	34.88	27.99	13.0	0.254	1457.7
370.0	0.69	0.67	34.89	28.00	12.5	0.257	1458.3
390.0	0.69	0.67	34.90	28.00	12.4	0.259	1458.6
410.0	0.64	0.62	34.90	28.01	12.1	0.261	1458.8
430.0	0.61	0.59	34.90	28.01	11.6	0.264	1459.0
450.0	0.58	0.56	34.90	28.01	11.2	0.266	1459.1
470.0	0.54	0.52	34.90	28.02	11.0	0.268	1459.3
490.0	0.46	0.44	34.90	28.02	10.4	0.271	1459.3
510.0	0.40	0.37	34.90	28.03	10.0	0.273	1459.3
530.0	0.35	0.32	34.90	28.03	9.6	0.275	1459.4
550.0	0.30	0.27	34.90	28.03	9.3	0.277	1459.5
570.0	0.27	0.25	34.90	28.03	9.0	0.278	1459.7
590.0	0.23	0.20	34.91	28.04	8.7	0.280	1459.9
610.0	0.19	0.17	34.90	28.04	8.5	0.282	1460.1
630.0	0.15	0.12	34.90	28.04	8.2	0.284	1460.2
650.0	0.11	0.09	34.91	28.04	7.9	0.285	1460.4
670.0	0.08	0.05	34.91	28.05	7.7	0.287	1460.5
690.0	0.05	0.02	34.91	28.05	7.2	0.288	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4	-1.72	
BOT NUM = 2	38.2	-1.78	
BOT NUM = 3	388.9	0.70	
BOT NUM = 4	699.0	0.04	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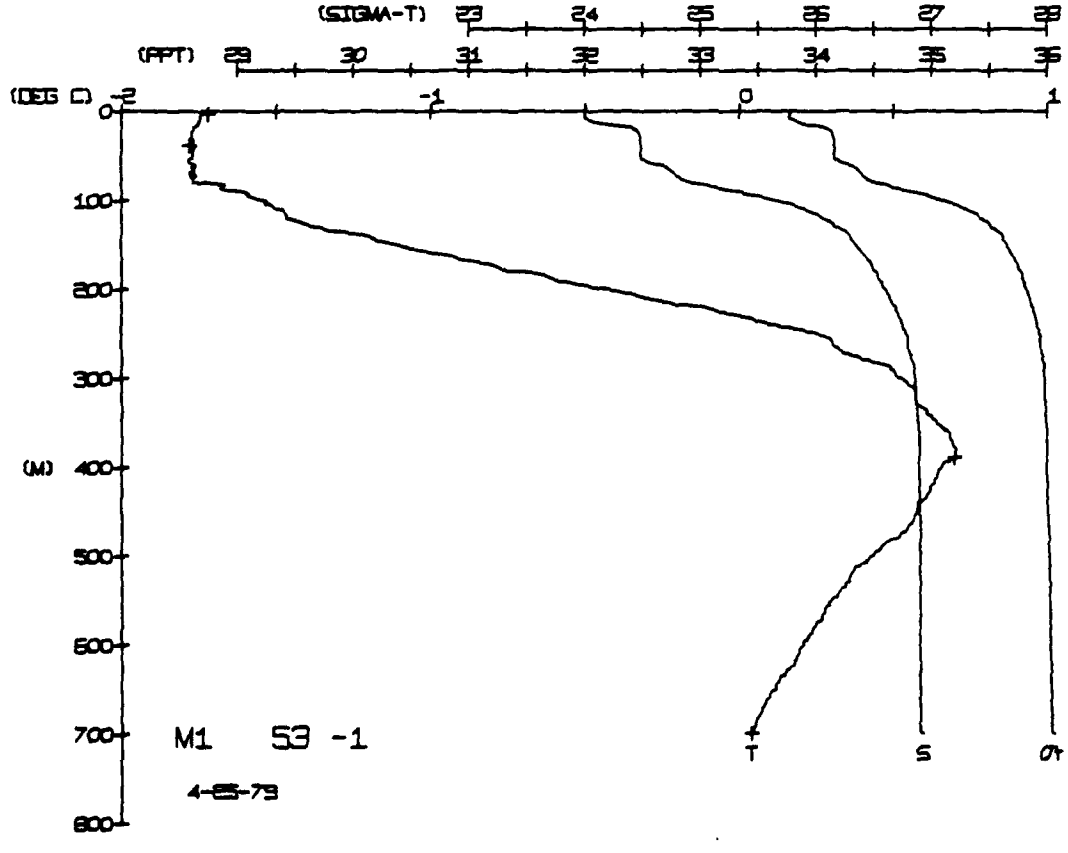
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FRAM 1 STATION 54(1) CTD 25/APR/1979 1316 GMT CODE = 1
LAT = 84.2915N LNG = 8.0086W LTER = 1. LGER = 2.
AIR TEMP = -21.9 BAROM = 1020.4 WIND = 125.0 SPEED = 1.2

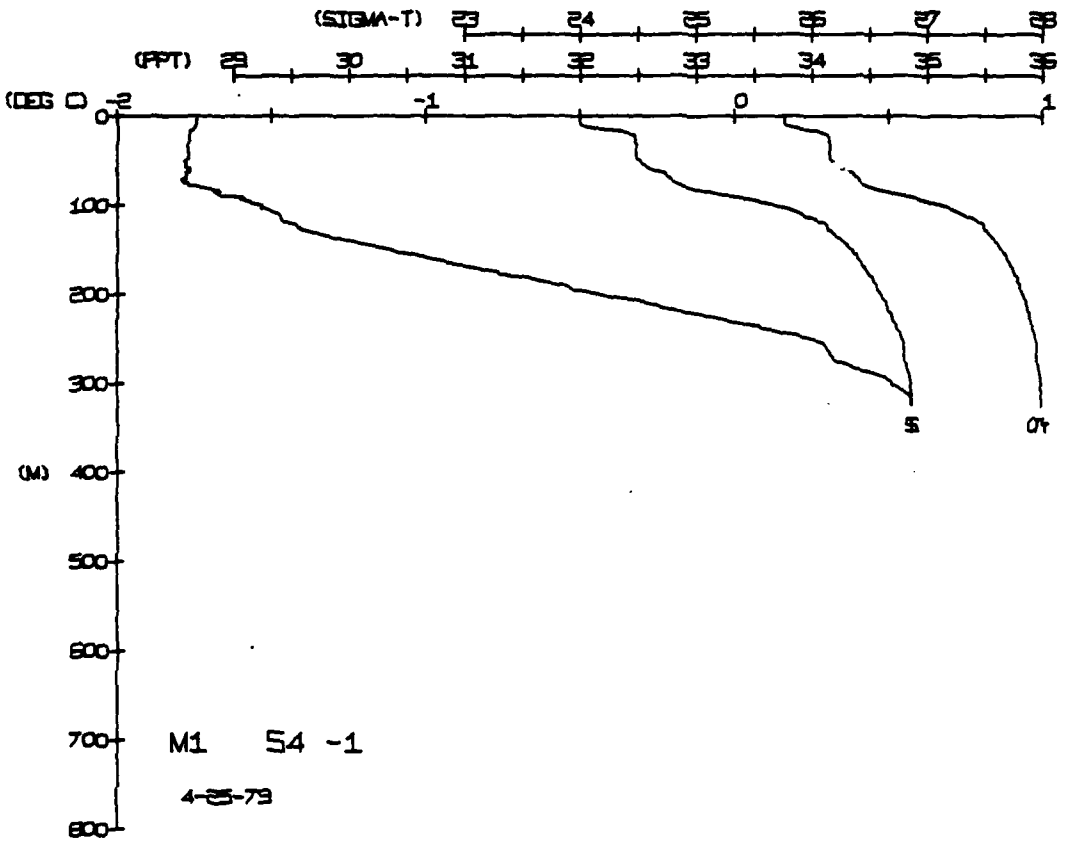
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.00	25.77	223.8	0.000	1436.9
3.0	-1.74	-1.74	32.00	25.77	223.7	0.007	1436.9
5.0	-1.74	-1.74	32.00	25.77	223.6	0.011	1437.0
10.0	-1.74	-1.74	32.01	25.77	223.1	0.023	1437.0
15.0	-1.75	-1.75	32.19	25.92	209.3	0.033	1437.3
20.0	-1.77	-1.77	32.42	26.11	191.2	0.043	1437.7
25.0	-1.77	-1.77	32.46	26.14	187.9	0.053	1437.8
30.0	-1.77	-1.77	32.48	26.16	186.4	0.062	1437.9
35.0	-1.77	-1.77	32.48	26.16	186.2	0.072	1438.0
40.0	-1.77	-1.77	32.49	26.16	186.0	0.081	1438.1
45.0	-1.77	-1.77	32.49	26.16	185.8	0.091	1438.2
50.0	-1.78	-1.78	32.51	26.18	183.9	0.100	1438.3
55.0	-1.78	-1.78	32.55	26.21	181.1	0.109	1438.4
60.0	-1.76	-1.77	32.61	26.26	176.5	0.118	1438.6
65.0	-1.77	-1.78	32.74	26.37	166.3	0.127	1438.8
70.0	-1.77	-1.77	32.79	26.40	162.7	0.135	1439.0
80.0	-1.75	-1.75	32.90	26.50	153.9	0.151	1439.4
90.0	-1.65	-1.65	33.28	26.80	124.6	0.165	1440.6
100.0	-1.54	-1.54	33.66	27.11	96.0	0.176	1441.8
110.0	-1.48	-1.48	33.90	27.30	77.7	0.185	1442.6
120.0	-1.44	-1.44	34.11	27.46	62.0	0.192	1443.2
130.0	-1.38	-1.39	34.17	27.51	57.3	0.198	1443.8
140.0	-1.26	-1.26	34.27	27.59	50.4	0.203	1444.7
150.0	-1.12	-1.13	34.34	27.64	45.0	0.208	1445.6
160.0	-0.99	-1.00	34.40	27.69	40.7	0.212	1446.4
170.0	-0.85	-0.86	34.46	27.73	36.9	0.216	1447.3
180.0	-0.72	-0.72	34.52	27.77	33.2	0.220	1448.2
190.0	-0.56	-0.57	34.56	27.80	30.8	0.223	1449.1
200.0	-0.44	-0.44	34.59	27.82	28.5	0.226	1449.9
210.0	-0.29	-0.30	34.64	27.85	25.9	0.229	1450.8
220.0	-0.18	-0.18	34.68	27.87	23.7	0.231	1451.6
230.0	-0.03	-0.04	34.71	27.89	22.1	0.234	1452.4
240.0	0.10	0.09	34.74	27.91	20.2	0.236	1453.3
250.0	0.24	0.23	34.78	27.94	18.0	0.238	1454.1
260.0	0.30	0.29	34.80	27.95	16.9	0.240	1454.6
270.0	0.32	0.31	34.80	27.95	16.8	0.241	1454.8
280.0	0.37	0.36	34.81	27.96	16.3	0.243	1455.3
290.0	0.46	0.45	34.84	27.97	15.1	0.245	1455.9
300.0	0.51	0.50	34.85	27.98	14.2	0.246	1456.3
310.0	0.55	0.54	34.86	27.98	13.9	0.247	1456.6
320.0	0.57	0.56	34.86	27.98	13.8	0.249	1456.9
325.9	0.57	0.56	34.86	27.98	14.5	0.250	1457.0

DEPTH TEMP SALIN

FRAM 1 STATION 55(1) CTD 25/APR/1979 1430 GMT CODE = 1
LAT = 84.2926N LNG = 8.0118W LTER = 0. LGER = 0.
AIR TEMP = -22.0 BAROM = 1020.5 WIND = 124.0 SPEED = 0.9

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.00	25.77	223.5	0.000	1436.9
3.1	-1.74	-1.74	32.00	25.77	223.4	0.007	1436.9
5.0	-1.74	-1.74	32.01	25.77	223.2	0.011	1437.0
10.0	-1.74	-1.74	32.02	25.79	221.9	0.022	1437.1
15.0	-1.76	-1.76	32.20	25.93	208.0	0.033	1437.3
20.0	-1.77	-1.77	32.41	26.10	192.1	0.043	1437.7
25.0	-1.77	-1.77	32.46	26.14	188.2	0.053	1437.8
30.0	-1.77	-1.77	32.46	26.14	188.1	0.062	1437.9
35.0	-1.78	-1.78	32.47	26.15	187.4	0.072	1437.9
40.0	-1.77	-1.77	32.48	26.15	186.6	0.081	1438.1
45.0	-1.77	-1.78	32.49	26.16	185.6	0.091	1438.1
50.0	-1.78	-1.78	32.51	26.18	183.9	0.100	1438.2
55.0	-1.77	-1.78	32.54	26.21	181.3	0.109	1438.4
60.0	-1.77	-1.77	32.59	26.25	177.5	0.118	1438.5
65.0	-1.76	-1.76	32.69	26.33	170.1	0.127	1438.8
70.0	-1.78	-1.78	32.78	26.40	163.0	0.135	1438.9
80.0	-1.73	-1.74	32.93	26.52	151.4	0.151	1439.5
90.0	-1.66	-1.66	33.29	26.81	123.9	0.165	1440.6
100.0	-1.54	-1.54	33.64	27.09	97.4	0.176	1441.8
110.0	-1.50	-1.50	33.86	27.27	80.8	0.185	1442.5
120.0	-1.46	-1.46	34.07	27.44	64.5	0.193	1443.1
130.0	-1.38	-1.38	34.18	27.53	56.2	0.199	1443.8
140.0	-1.23	-1.23	34.28	27.60	49.4	0.204	1444.8
150.0	-1.12	-1.12	34.35	27.65	44.7	0.209	1445.6
160.0	-0.98	-0.98	34.41	27.70	40.1	0.213	1446.5
170.0	-0.86	-0.87	34.46	27.73	36.8	0.217	1447.3
180.0	-0.72	-0.73	34.52	27.77	33.1	0.220	1448.2
190.0	-0.56	-0.56	34.56	27.80	30.5	0.224	1449.2
200.0	-0.44	-0.45	34.60	27.82	28.4	0.227	1449.9
210.0	-0.28	-0.29	34.64	27.85	25.8	0.229	1450.9
220.0	-0.19	-0.20	34.66	27.87	24.4	0.232	1451.5

DEPTH TEMP SALIN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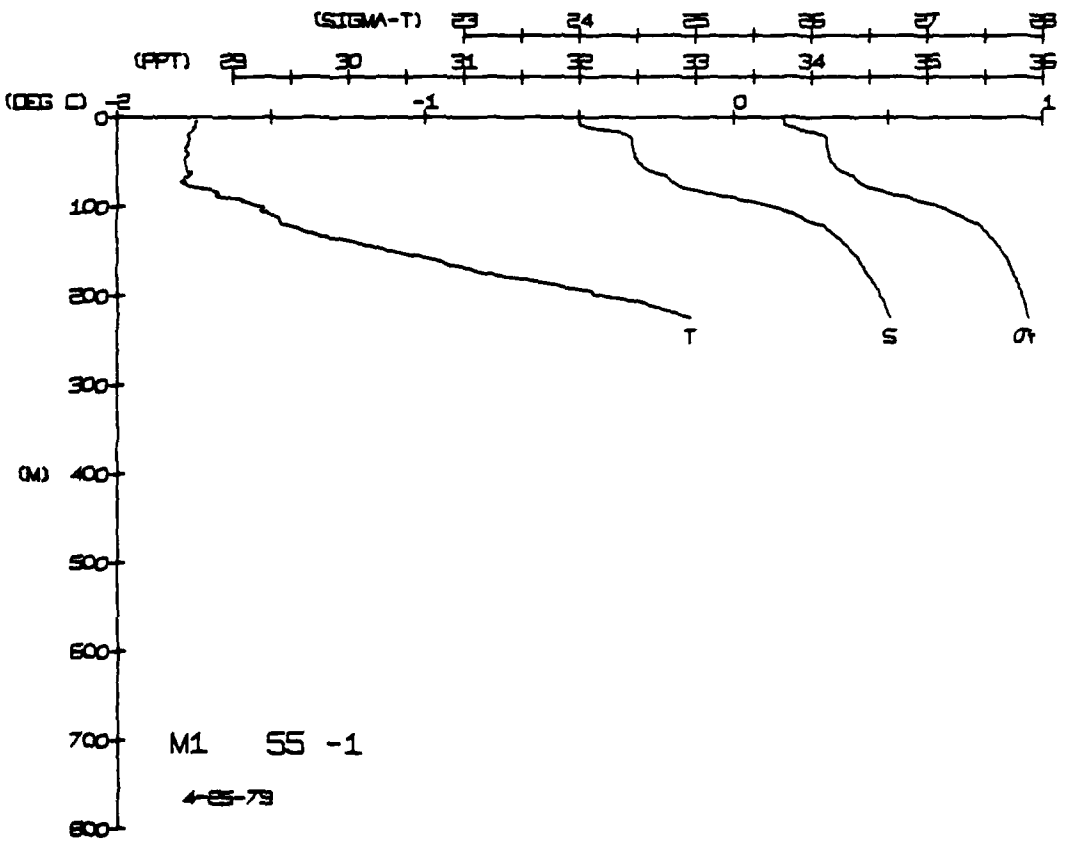
(PPT)
(DEG C)
(M)
M1 54 -1
4-25-79


(SIGMA-T)
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M1 55 -1
4-25-79

FRAM 1 STATION 56(1) CTD 25/APR/1979 1605 GMT CODE = 1
LAT = 84 2946N LNG = 8 0132W LTER = 13 LGER = 37.
AIR TEMP = -22 0 BAROM = 1020 5 WIND = 124 0 SPEED = 0 9

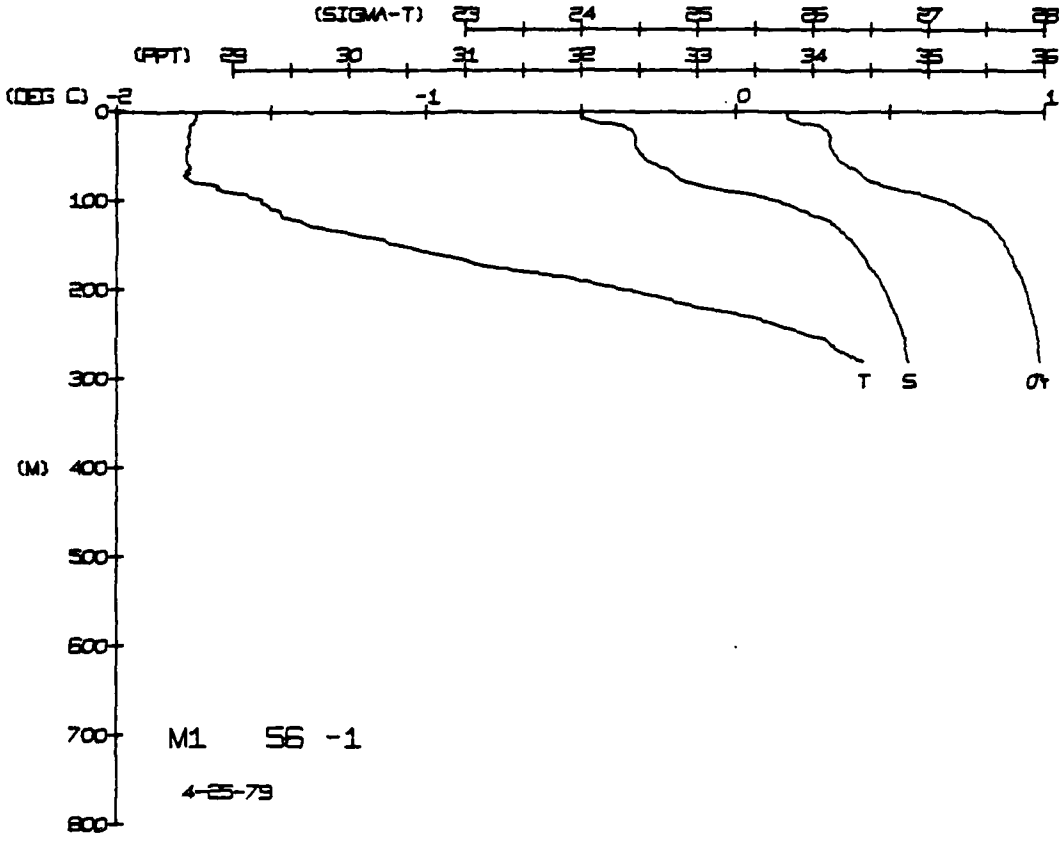
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.01	25.77	223.0	0.000	1436.9
3.0	-1.74	-1.74	32.01	25.77	223.0	0.007	1436.9
5.0	-1.74	-1.74	32.01	25.77	223.1	0.011	1437.0
10.0	-1.75	-1.75	32.04	25.80	220.5	0.022	1437.1
15.0	-1.76	-1.76	32.28	25.99	201.9	0.033	1437.4
20.0	-1.76	-1.76	32.40	26.09	193.0	0.043	1437.7
25.0	-1.77	-1.77	32.45	26.13	189.0	0.053	1437.8
30.0	-1.77	-1.77	32.46	26.14	187.9	0.062	1437.9
35.0	-1.77	-1.77	32.47	26.14	187.6	0.072	1438.0
40.0	-1.77	-1.77	32.47	26.15	187.2	0.081	1438.1
45.0	-1.77	-1.77	32.49	26.16	185.9	0.090	1438.2
50.0	-1.78	-1.78	32.52	26.19	183.0	0.100	1438.3
55.0	-1.78	-1.78	32.55	26.21	180.7	0.109	1438.4
60.0	-1.77	-1.77	32.63	26.28	174.9	0.118	1438.6
65.0	-1.77	-1.77	32.72	26.35	167.6	0.126	1438.8
70.0	-1.77	-1.78	32.78	26.40	162.8	0.135	1439.0
80.0	-1.76	-1.76	32.91	26.50	153.3	0.151	1439.4
90.0	-1.67	-1.67	33.23	26.76	128.6	0.165	1440.5
100.0	-1.53	-1.53	33.65	27.10	96.5	0.176	1441.9
110.0	-1.50	-1.50	33.87	27.27	80.0	0.185	1442.5
120.0	-1.46	-1.47	34.05	27.42	65.9	0.192	1443.1
130.0	-1.37	-1.38	34.19	27.53	55.6	0.199	1443.9
140.0	-1.23	-1.24	34.28	27.60	49.5	0.204	1444.8
150.0	-1.10	-1.10	34.35	27.65	44.1	0.209	1445.7
160.0	-0.98	-0.99	34.41	27.69	40.3	0.213	1446.5
170.0	-0.85	-0.86	34.46	27.73	36.8	0.217	1447.3
180.0	-0.70	-0.71	34.52	27.77	33.2	0.220	1448.3
190.0	-0.51	-0.52	34.58	27.81	29.6	0.223	1449.4
200.0	-0.38	-0.39	34.61	27.83	27.4	0.226	1450.2
210.0	-0.25	-0.26	34.65	27.86	25.2	0.229	1451.0
220.0	-0.13	-0.14	34.68	27.88	23.4	0.231	1451.8
230.0	0.01	0.00	34.72	27.90	21.2	0.234	1452.7
240.0	0.13	0.12	34.74	27.91	20.1	0.236	1453.4
250.0	0.22	0.21	34.77	27.93	18.3	0.238	1454.0
260.0	0.30	0.29	34.80	27.95	17.2	0.240	1454.6
270.0	0.34	0.33	34.81	27.95	16.6	0.241	1454.9
280.0	0.40	0.39	34.82	27.96	15.7	0.243	1455.4

DEPTH TEMP SALIN

FRAM 1 STATION 57(1) CTD 25/APR/1979 1648 GMT CODE = 1
LAT = 84 2943N LNG = 8 0107W LTER = 6 LGER = 16.
AIR TEMP = -21 7 BAROM = 1020 6 WIND = 51 0 SPEED = 0 9

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.01	25.78	222.7	0.000	1436.9
3.0	-1.74	-1.74	32.01	25.78	222.7	0.007	1436.9
5.0	-1.74	-1.74	32.01	25.77	223.3	0.011	1437.0
10.0	-1.75	-1.75	32.05	25.81	219.6	0.022	1437.1
15.0	-1.76	-1.76	32.30	26.01	200.4	0.033	1437.5
20.0	-1.76	-1.76	32.42	26.11	191.2	0.043	1437.7
25.0	-1.76	-1.76	32.46	26.14	188.5	0.052	1437.8
30.0	-1.77	-1.77	32.46	26.14	188.1	0.062	1437.9
35.0	-1.77	-1.77	32.47	26.15	187.5	0.071	1438.0
40.0	-1.77	-1.77	32.47	26.15	187.0	0.081	1438.1
45.0	-1.78	-1.78	32.48	26.16	186.1	0.090	1438.1
50.0	-1.77	-1.78	32.52	26.19	183.3	0.099	1438.3
55.0	-1.78	-1.78	32.56	26.22	180.1	0.109	1438.4
60.0	-1.77	-1.77	32.64	26.28	174.2	0.118	1438.6
65.0	-1.76	-1.77	32.71	26.34	168.9	0.126	1438.8
70.0	-1.76	-1.77	32.79	26.41	162.3	0.135	1439.0
80.0	-1.76	-1.76	32.91	26.50	153.4	0.150	1439.4
90.0	-1.66	-1.66	33.23	26.76	129.0	0.165	1440.5
100.0	-1.53	-1.53	33.61	27.09	97.8	0.176	1441.8
110.0	-1.49	-1.49	33.90	27.30	77.9	0.185	1442.6
120.0	-1.46	-1.46	34.07	27.44	64.5	0.192	1443.1
130.0	-1.36	-1.37	34.19	27.53	55.5	0.198	1443.9
140.0	-1.23	-1.23	34.28	27.60	49.3	0.203	1444.8
150.0	-1.10	-1.10	34.35	27.65	44.1	0.208	1445.7
160.0	-0.97	-0.98	34.42	27.70	39.8	0.212	1446.5
170.0	-0.85	-0.86	34.46	27.73	36.8	0.216	1447.3
180.0	-0.70	-0.70	34.51	27.77	33.4	0.220	1448.3
190.0	-0.51	-0.52	34.58	27.81	29.3	0.223	1449.4
200.0	-0.39	-0.39	34.61	27.83	27.3	0.226	1450.2
210.0	-0.23	-0.24	34.65	27.86	25.2	0.229	1451.1
220.0	-0.13	-0.14	34.69	27.87	23.7	0.231	1451.8
230.0	0.00	-0.01	34.72	27.90	21.5	0.233	1452.6
240.0	0.13	0.12	34.75	27.92	19.8	0.235	1453.4
250.0	0.22	0.21	34.78	27.94	18.1	0.237	1454.0
254.7	0.28	0.27	34.79	27.94	17.4	0.238	1454.4

DEPTH TEMP SALIN



M1 56 -1

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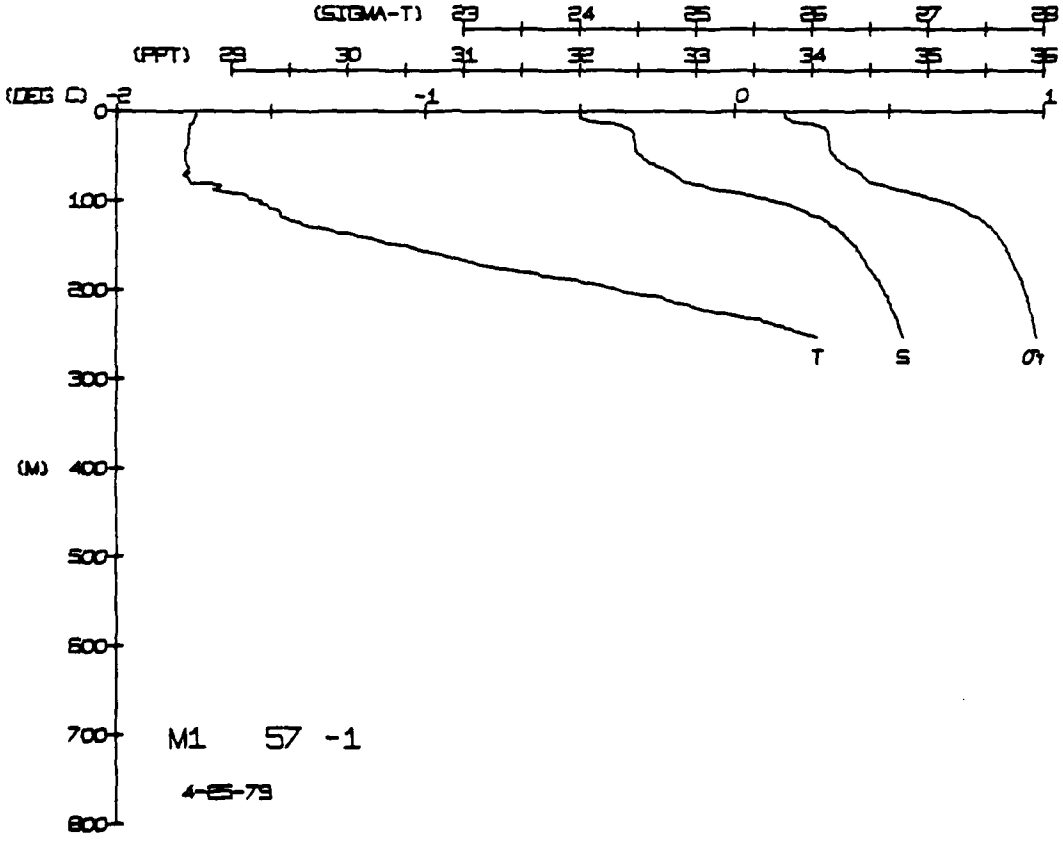


M1 57 -1

4-25-79

FRAM 1 STATION 58(1) CTD 25/APR/1979 1734 GMT CODE = 1
LAT = 84 2918N LNG = 8 0075W LTER = 0 LGER = 0
AIR TEMP = -21 7 BAROM = 1020 6 WIND = 51 0 SPEED = 0 9

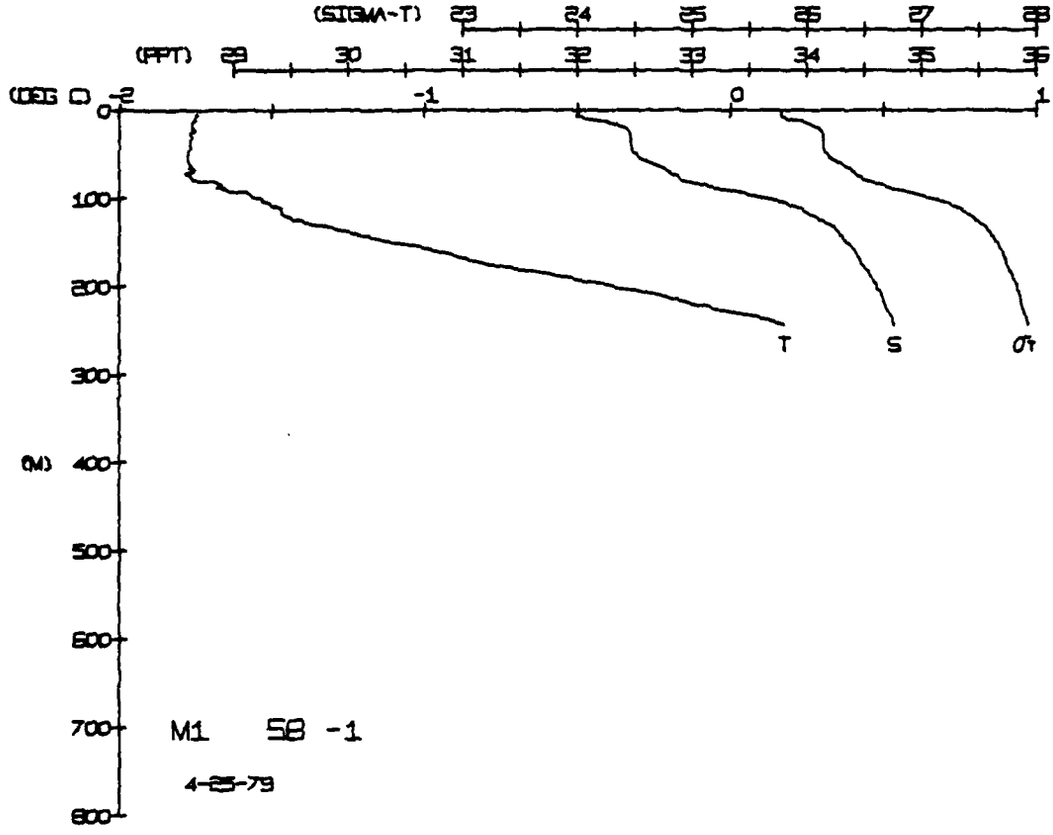
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0 0	-1 74	-1 74	32 01	25 77	223 0	0 000	1436 9
3 1	-1 74	-1 74	32 01	25 77	223 0	0 007	1436 9
5 0	-1 74	-1 74	32 01	25 78	222 8	0 011	1437 0
10 0	-1 75	-1 75	32 07	25 82	218 4	0 022	1437 1
15 0	-1 76	-1 76	32 29	26 00	201 1	0 033	1437 4
20 0	-1 76	-1 76	32 42	26 10	191 5	0 043	1437 7
25 0	-1 76	-1 76	32 45	26 13	188 9	0 052	1437 8
30 0	-1 77	-1 77	32 46	26 14	188 2	0 062	1437 9
35 0	-1 77	-1 77	32 46	26 14	187 8	0 071	1438 0
40 0	-1 77	-1 77	32 47	26 15	187 4	0 081	1438 1
45 0	-1 77	-1 77	32 48	26 15	186 8	0 090	1438 2
50 0	-1 77	-1 78	32 50	26 18	184 5	0 100	1438 3
55 0	-1 78	-1 78	32 55	26 21	181 0	0 109	1438 4
60 0	-1 77	-1 77	32 61	26 26	176 0	0 118	1438 6
65 0	-1 76	-1 76	32 72	26 35	167 7	0 126	1438 9
70 0	-1 75	-1 75	32 79	26 40	162 6	0 135	1439 1
80 0	-1 75	-1 75	32 92	26 51	152 6	0 151	1439 4
90 0	-1 66	-1 66	33 21	26 74	130 5	0 165	1440 5
100 0	-1 55	-1 55	33 61	27 06	99 9	0 176	1441 7
110 0	-1 48	-1 49	33 90	27 30	78 0	0 185	1442 6
120 0	-1 46	-1 46	34 07	27 43	65 0	0 193	1443 1
130 0	-1 37	-1 37	34 19	27 53	55 8	0 199	1443 9
140 0	-1 25	-1 25	34 27	27 59	50 0	0 204	1444 7
150 0	-1 13	-1 13	34 35	27 65	44 7	0 209	1445 6
160 0	-0 98	-0 98	34 41	27 70	40 1	0 213	1446 5
170 0	-0 86	-0 86	34 46	27 73	36 9	0 217	1447 3
180 0	-0 72	-0 73	34 51	27 76	34 0	0 221	1448 2
190 0	-0 55	-0 55	34 57	27 80	30 1	0 224	1449 2
200 0	-0 39	-0 40	34 61	27 83	27 5	0 227	1450 2
210 0	-0 24	-0 25	34 65	27 86	25 2	0 229	1451 1
220 0	-0 13	-0 14	34 68	27 88	23 4	0 232	1451 8
230 0	0 00	-0 01	34 72	27 90	21 4	0 234	1452 6
240 0	0 13	0 12	34 75	27 92	19 9	0 236	1453 4
245 0	0 18	0 17	34 77	27 93	18 5	0 237	1453 8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3 6	-1 75	32 02
BOT NUM = 2	703 3	0 04	34 90

FRAM 1 STATION 59(1) CTD 25/APR/1979 1858 GMT CODE = 1
LAT = 84 2850N LNG = 8 0040W LTER = 1 LGER = 1
AIR TEMP = -22 0 BAROM = 1020 8 WIND = 50 0 SPEED = 2 0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0 0	-1 74	-1 74	32 02	25 78	222 2	0 000	1436 9
3 0	-1 74	-1 74	32 02	25 78	222 2	0 007	1436 9
5 0	-1 75	-1 75	32 02	25 78	222 5	0 011	1437 0
10 0	-1 74	-1 74	32 04	25 80	220 3	0 022	1437 1
15 0	-1 76	-1 76	32 31	26 02	200 0	0 033	1437 5
20 0	-1 76	-1 76	32 44	26 12	189 9	0 043	1437 7
25 0	-1 77	-1 77	32 46	26 14	188 3	0 052	1437 8
30 0	-1 76	-1 76	32 46	26 14	187 8	0 062	1437 9
35 0	-1 77	-1 77	32 47	26 15	187 4	0 071	1438 0
40 0	-1 77	-1 77	32 47	26 15	187 3	0 081	1438 1
45 0	-1 76	-1 77	32 48	26 16	186 1	0 090	1438 2
50 0	-1 77	-1 77	32 49	26 16	185 6	0 099	1438 3
55 0	-1 77	-1 77	32 53	26 20	182 5	0 109	1438 4
60 0	-1 78	-1 78	32 61	26 26	176 0	0 118	1438 6
65 0	-1 77	-1 77	32 73	26 35	167 3	0 126	1438 8
70 0	-1 76	-1 76	32 79	26 40	162 6	0 135	1439 0
80 0	-1 71	-1 71	32 92	26 51	152 2	0 151	1439 6
90 0	-1 65	-1 66	33 21	26 75	129 9	0 165	1440 5
100 0	-1 54	-1 54	33 64	27 09	97 7	0 176	1441 8
110 0	-1 48	-1 49	33 90	27 30	77 8	0 185	1442 6
120 0	-1 46	-1 47	34 05	27 42	66 5	0 192	1443 1
130 0	-1 39	-1 39	34 17	27 51	57 5	0 199	1443 7
140 0	-1 23	-1 23	34 29	27 60	48 8	0 204	1444 8
150 0	-1 11	-1 11	34 35	27 65	44 1	0 209	1445 7
160 0	-0 97	-0 97	34 41	27 70	40 2	0 213	1446 6
170 0	-0 86	-0 87	34 46	27 73	37 2	0 217	1447 3
180 0	-0 74	-0 75	34 50	27 76	34 5	0 220	1448 1
190 0	-0 56	-0 57	34 56	27 80	30 7	0 224	1449 1
200 0	-0 39	-0 40	34 60	27 83	28 0	0 227	1450 2
210 0	-0 26	-0 27	34 64	27 85	25 9	0 229	1451 0
220 0	-0 14	-0 14	34 67	27 87	24 1	0 232	1451 8
230 0	-0 02	-0 03	34 70	27 89	22 6	0 234	1452 5
240 0	0 12	0 11	34 74	27 91	20 1	0 236	1453 4
250 0	0 24	0 23	34 78	27 94	18 1	0 238	1454 1
260 0	0 31	0 30	34 80	27 95	17 1	0 240	1454 6
270 0	0 36	0 35	34 81	27 95	16 7	0 242	1455 0
280 0	0 43	0 42	34 83	27 96	15 7	0 243	1455 6
290 0	0 50	0 49	34 85	27 98	14 5	0 245	1456 1
300 0	0 54	0 53	34 85	27 98	14 4	0 246	1456 4
310 0	0 56	0 54	34 86	27 98	14 1	0 248	1456 7
320 0	0 57	0 56	34 86	27 98	13 9	0 249	1456 9
330 0	0 59	0 57	34 87	27 99	13 8	0 251	1457 1
340 0	0 62	0 61	34 87	27 99	13 4	0 252	1457 5
350 0	0 65	0 63	34 88	27 99	13 1	0 253	1457 8
370 0	0 69	0 68	34 89	28 00	12 6	0 256	1458 3
390 0	0 68	0 66	34 87	27 98	14 1	0 259	1458 6
410 0	0 65	0 63	34 87	27 99	13 7	0 262	1458 7
430 0	0 60	0 58	34 88	27 99	13 1	0 264	1458 9
450 0	0 58	0 56	34 89	28 00	12 8	0 267	1459 1
470 0	0 54	0 52	34 88	28 00	12 3	0 269	1459 3
490 0	0 47	0 45	34 89	28 01	11 7	0 272	1459 3
510 0	0 40	0 37	34 89	28 01	11 2	0 274	1459 3
530 0	0 35	0 32	34 89	28 02	10 8	0 276	1459 4
550 0	0 31	0 28	34 89	28 02	10 7	0 279	1459 6
570 0	0 27	0 24	34 89	28 02	10 4	0 281	1459 7
590 0	0 22	0 19	34 88	28 02	10 1	0 283	1459 8
610 0	0 18	0 16	34 88	28 02	9 9	0 285	1460 0
630 0	0 14	0 11	34 89	28 03	9 4	0 287	1460 1
650 0	0 11	0 08	34 89	28 03	9 1	0 289	1460 3
670 0	0 08	0 05	34 89	28 03	8 9	0 290	1460 5
690 0	0 05	0 02	34 89	28 04	8 5	0 292	1460 7

	DEPTH	TEMP	SALIN
BOT NUM = 1	3 6	-1 75	32 02
BOT NUM = 2	703 3	0 04	34 90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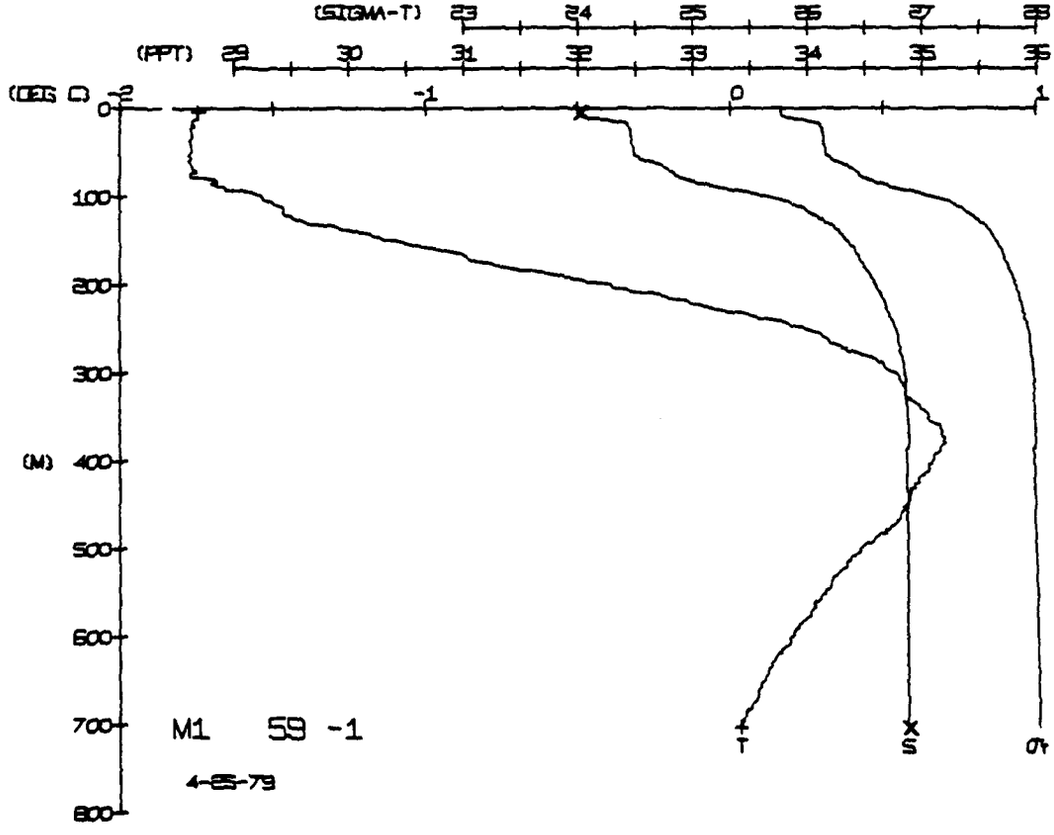
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M1 59 -1
4-25-79

FRAM 1 STATION 60(1) CTD 26/APR/1979 705 GMT CODE = 1
LAT = 84.2884N LNG = 7.9756W LTER = 1. LGER = 1.
AIR TEMP = -22.0 BAROM = 1020.1 WIND = 50.0 SPEED = 2.0

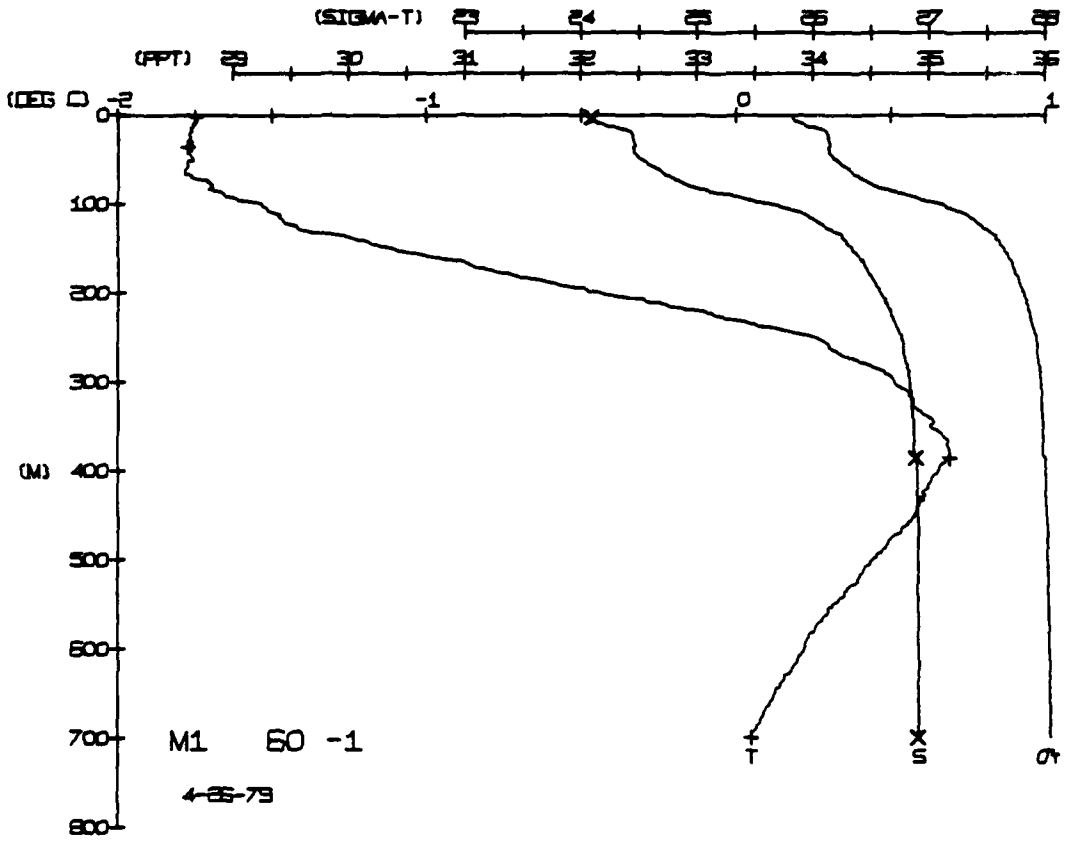
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.07	25.82	218.3	0.000	1437.0
3.2	-1.74	-1.74	32.07	25.82	218.3	0.007	1437.0
5.0	-1.74	-1.74	32.07	25.82	218.4	0.011	1437.0
10.0	-1.75	-1.75	32.14	25.88	213.2	0.022	1437.2
15.0	-1.76	-1.76	32.31	26.02	200.0	0.032	1437.5
20.0	-1.76	-1.76	32.42	26.11	191.3	0.042	1437.7
25.0	-1.77	-1.77	32.44	26.13	189.3	0.052	1437.8
30.0	-1.77	-1.77	32.45	26.13	188.7	0.061	1437.9
35.0	-1.76	-1.76	32.46	26.14	187.7	0.071	1438.0
40.0	-1.76	-1.76	32.45	26.13	188.9	0.080	1438.1
45.0	-1.77	-1.77	32.46	26.14	187.6	0.090	1438.1
50.0	-1.75	-1.76	32.50	26.18	184.5	0.099	1438.3
55.0	-1.77	-1.77	32.56	26.22	180.1	0.108	1438.4
60.0	-1.77	-1.78	32.62	26.27	175.3	0.117	1438.6
65.0	-1.78	-1.78	32.69	26.33	169.9	0.126	1438.7
70.0	-1.76	-1.77	32.75	26.38	165.2	0.134	1439.0
80.0	-1.70	-1.70	32.91	26.50	153.4	0.150	1439.7
90.0	-1.66	-1.66	33.26	26.78	126.6	0.164	1440.5
100.0	-1.54	-1.54	33.57	27.04	102.5	0.176	1441.7
110.0	-1.51	-1.51	33.85	27.26	81.2	0.185	1442.4
120.0	-1.46	-1.47	34.02	27.40	68.5	0.193	1443.0
130.0	-1.41	-1.41	34.13	27.48	60.1	0.199	1443.6
140.0	-1.24	-1.25	34.25	27.58	51.5	0.205	1444.7
150.0	-1.13	-1.13	34.34	27.64	45.3	0.210	1445.5
160.0	-1.00	-1.00	34.39	27.68	41.5	0.214	1446.4
170.0	-0.86	-0.86	34.44	27.72	38.2	0.218	1447.3
180.0	-0.73	-0.74	34.48	27.74	35.8	0.222	1448.1
190.0	-0.59	-0.60	34.53	27.77	32.9	0.225	1448.9
200.0	-0.46	-0.47	34.58	27.81	29.9	0.229	1449.8
210.0	-0.29	-0.30	34.61	27.83	27.7	0.232	1450.8
220.0	-0.17	-0.17	34.65	27.85	25.7	0.234	1451.6
230.0	-0.03	-0.04	34.69	27.88	23.5	0.237	1452.4
240.0	0.10	0.09	34.72	27.90	21.5	0.239	1453.3
250.0	0.24	0.23	34.76	27.92	19.7	0.241	1454.1
260.0	0.30	0.29	34.78	27.93	18.8	0.243	1454.6
270.0	0.34	0.33	34.78	27.93	18.5	0.245	1454.9
280.0	0.41	0.40	34.81	27.95	17.2	0.247	1455.4
290.0	0.48	0.47	34.82	27.96	16.4	0.248	1455.9
300.0	0.51	0.50	34.83	27.96	15.8	0.250	1456.2
310.0	0.55	0.53	34.84	27.97	15.7	0.252	1456.6
320.0	0.57	0.56	34.84	27.97	15.4	0.253	1456.9
330.0	0.58	0.56	34.84	27.97	15.4	0.255	1457.1
340.0	0.62	0.60	34.85	27.97	15.0	0.256	1457.4
350.0	0.63	0.61	34.86	27.98	14.6	0.258	1457.7
370.0	0.68	0.67	34.87	27.99	13.9	0.261	1458.2
390.0	0.68	0.66	34.89	28.00	12.4	0.263	1458.6
410.0	0.63	0.61	34.89	28.01	12.1	0.266	1458.7
430.0	0.61	0.59	34.90	28.01	11.6	0.268	1458.9
450.0	0.58	0.56	34.90	28.01	11.2	0.270	1459.1
470.0	0.53	0.51	34.91	28.02	10.6	0.273	1459.2
490.0	0.47	0.45	34.90	28.02	10.4	0.275	1459.3
510.0	0.41	0.39	34.91	28.03	9.9	0.277	1459.4
530.0	0.37	0.35	34.90	28.03	9.6	0.279	1459.5
550.0	0.31	0.29	34.90	28.03	9.4	0.281	1459.6
570.0	0.27	0.25	34.91	28.04	8.9	0.283	1459.8
590.0	0.23	0.20	34.90	28.03	8.9	0.284	1459.9
610.0	0.20	0.17	34.90	28.04	8.6	0.286	1460.1
630.0	0.16	0.13	34.91	28.04	8.0	0.288	1460.2
650.0	0.12	0.10	34.91	28.04	9.0	0.289	1460.4
670.0	0.09	0.06	34.91	28.05	7.4	0.291	1460.6
690.0	0.06	0.03	34.91	28.05	7.3	0.292	1460.8
699.2	0.05	0.02	34.91	28.05	6.8	0.293	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.75	32.08
BOT NUM = 2	37.3	-1.77	
BOT NUM = 3	386.6	0.69	34.88
BOT NUM = 4	699.8	0.05	34.90

FRAM 1 STATION 61(1) CTD 26/APR/1979 1337 GMT CODE = 1
LAT = 84.2879N LNG = 7.9507W LTER = 1 LGER = 1.
AIR TEMP = -21.3 BAROM = 1017.2 WIND = 130.0 SPEED = 2.1

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.09	25.83	217.9	0.000	1437.0
3.1	-1.74	-1.74	32.08	25.83	217.9	0.007	1437.0
5.0	-1.74	-1.74	32.09	25.84	216.4	0.011	1437.1
10.0	-1.75	-1.75	32.17	25.90	210.7	0.022	1437.2
15.0	-1.76	-1.76	32.28	26.00	201.9	0.032	1437.4
20.0	-1.76	-1.76	32.38	26.07	194.7	0.042	1437.6
25.0	-1.76	-1.76	32.43	26.12	190.1	0.052	1437.8
30.0	-1.77	-1.77	32.46	26.14	188.4	0.061	1437.9
35.0	-1.77	-1.77	32.47	26.15	187.3	0.071	1438.0
40.0	-1.76	-1.77	32.48	26.15	186.6	0.080	1438.1
45.0	-1.77	-1.77	32.49	26.16	185.7	0.090	1438.2
50.0	-1.76	-1.76	32.49	26.17	185.4	0.099	1438.3
55.0	-1.76	-1.76	32.57	26.23	179.6	0.108	1438.5
60.0	-1.73	-1.73	32.65	26.29	173.5	0.117	1438.8
65.0	-1.78	-1.78	32.74	26.36	166.4	0.126	1438.8
70.0	-1.75	-1.75	32.78	26.40	162.9	0.134	1439.1
80.0	-1.69	-1.69	32.99	26.57	146.8	0.149	1439.9
90.0	-1.66	-1.66	33.30	26.82	123.3	0.163	1440.6
100.0	-1.54	-1.54	33.65	27.09	97.1	0.174	1441.8
110.0	-1.48	-1.48	33.87	27.27	80.3	0.183	1442.6
120.0	-1.46	-1.46	34.04	27.41	66.7	0.191	1443.1
130.0	-1.38	-1.38	34.18	27.53	56.2	0.197	1443.8
140.0	-1.26	-1.26	34.28	27.60	49.6	0.202	1444.7
150.0	-1.12	-1.13	34.35	27.65	44.1	0.207	1445.6
160.0	-0.99	-0.99	34.42	27.70	39.7	0.211	1446.5
170.0	-0.85	-0.85	34.47	27.74	36.0	0.215	1447.4
180.0	-0.70	-0.70	34.53	27.78	32.3	0.218	1448.3
190.0	-0.53	-0.54	34.57	27.81	29.7	0.221	1449.3
200.0	-0.41	-0.42	34.61	27.83	27.3	0.224	1450.1
210.0	-0.30	-0.31	34.64	27.85	25.4	0.227	1450.8
220.0	-0.16	-0.17	34.69	27.88	23.3	0.229	1451.6
230.0	-0.03	-0.04	34.72	27.90	21.3	0.232	1452.3
240.0	0.10	0.09	34.75	27.92	19.6	0.234	1453.3
250.0	0.23	0.22	34.78	27.94	17.6	0.236	1454.1
260.0	0.30	0.29	34.81	27.95	16.5	0.237	1454.6
260.7	0.30	0.29	34.81	27.96	16.3	0.237	1454.6

	DEPTH	TEMP	SALIN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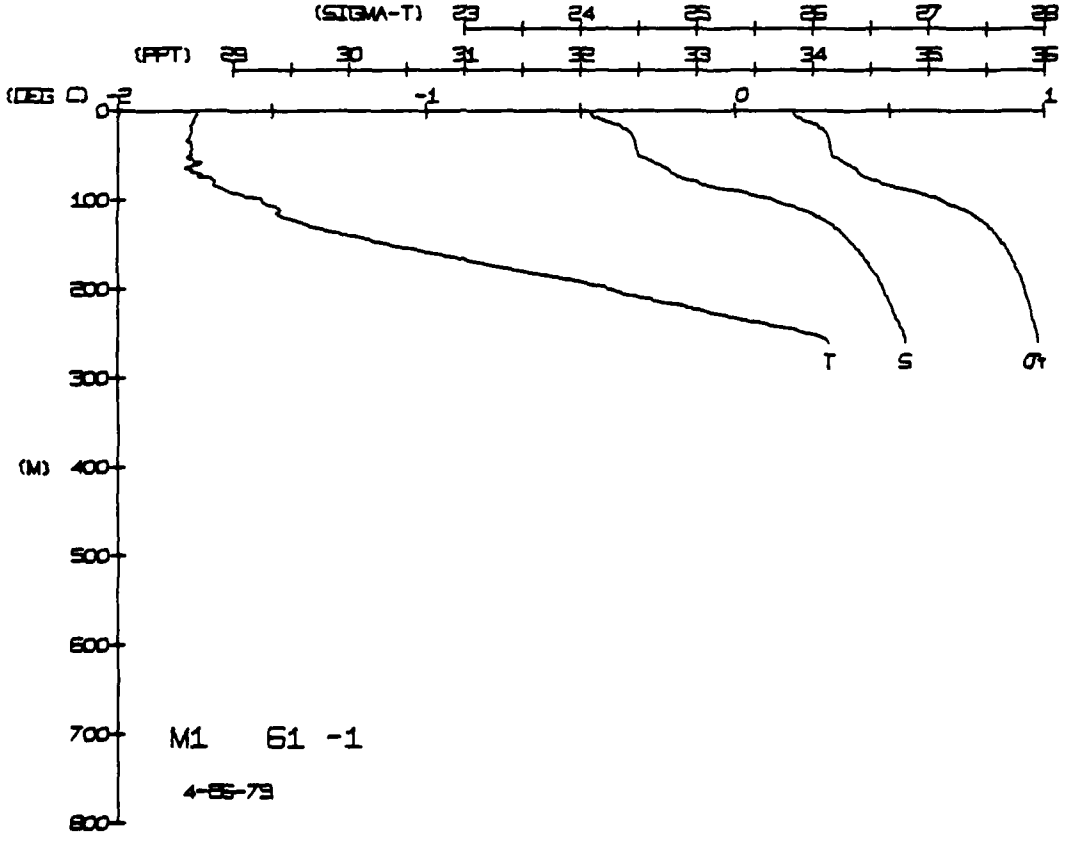
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FRAM 1 STATION 62(1) CTD 26/APR/1979 1850 GMT CODE = 1
LAT = 84.2880N LNG = 7.9830W LTER = 1 LGER = 2
AIR TEMP = -21.3 BAROM = 1014.2 WIND = 130.0 SPEED = 2.1

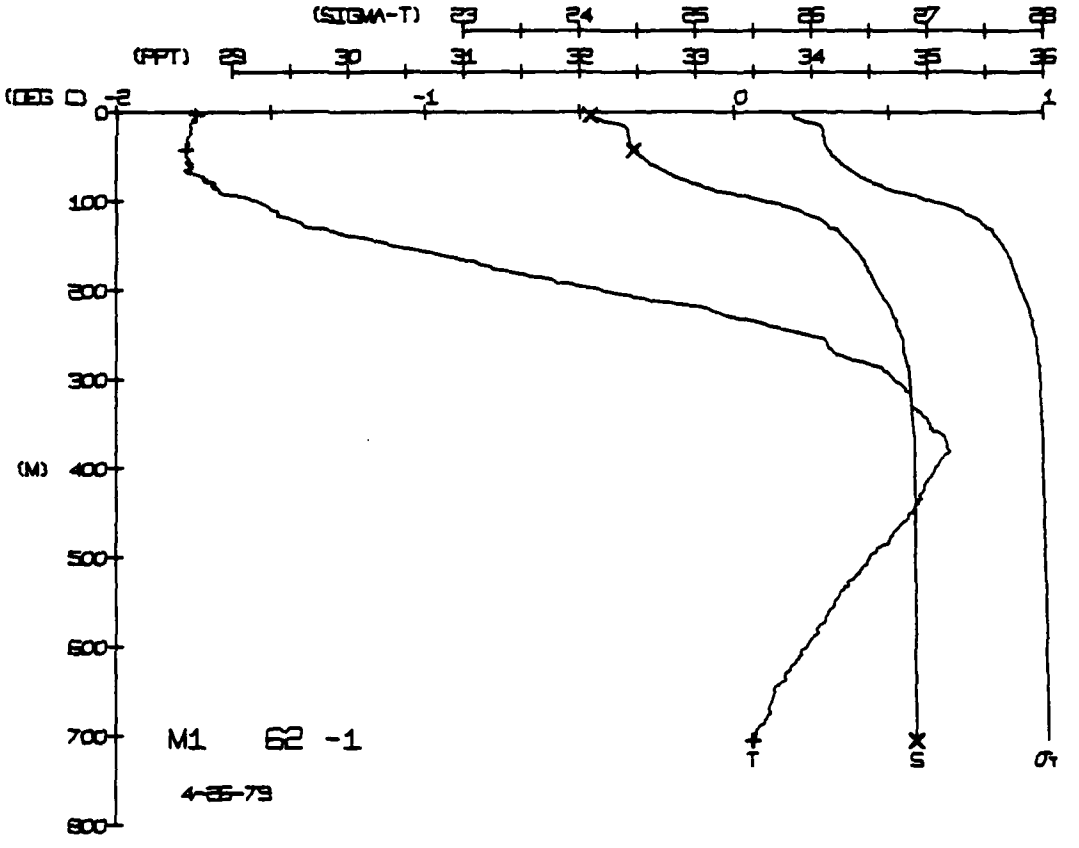
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.75	-1.75	32.09	25.84	216.5	0.000	1437.0
3.1	-1.75	-1.75	32.09	25.84	216.5	0.007	1437.0
5.0	-1.75	-1.75	32.09	25.84	216.5	0.011	1437.1
10.0	-1.75	-1.75	32.19	25.92	209.1	0.022	1437.3
15.0	-1.76	-1.76	32.38	26.07	194.7	0.032	1437.5
20.0	-1.76	-1.76	32.41	26.10	192.2	0.042	1437.7
25.0	-1.76	-1.76	32.42	26.10	191.6	0.051	1437.8
30.0	-1.77	-1.77	32.43	26.12	190.2	0.061	1437.8
35.0	-1.76	-1.76	32.45	26.13	189.1	0.070	1438.0
40.0	-1.77	-1.77	32.46	26.14	188.1	0.080	1438.1
45.0	-1.77	-1.77	32.50	26.17	185.1	0.089	1438.2
50.0	-1.77	-1.77	32.53	26.19	182.7	0.099	1438.3
55.0	-1.76	-1.76	32.58	26.24	178.4	0.108	1438.5
60.0	-1.76	-1.76	32.63	26.28	174.7	0.117	1438.7
65.0	-1.76	-1.76	32.71	26.34	168.7	0.125	1438.8
70.0	-1.76	-1.76	32.77	26.39	163.9	0.134	1439.0
80.0	-1.68	-1.68	32.97	26.55	148.6	0.149	1439.9
90.0	-1.67	-1.67	33.23	26.76	128.4	0.163	1440.5
100.0	-1.55	-1.55	33.59	27.05	101.5	0.175	1441.7
110.0	-1.50	-1.50	33.88	27.28	79.1	0.184	1442.5
120.0	-1.44	-1.45	34.06	27.43	65.3	0.191	1443.2
130.0	-1.38	-1.38	34.18	27.52	56.4	0.197	1443.8
140.0	-1.24	-1.24	34.27	27.59	49.8	0.203	1444.8
150.0	-1.12	-1.12	34.35	27.65	44.3	0.207	1445.6
160.0	-0.97	-0.97	34.41	27.70	40.1	0.212	1446.5
170.0	-0.83	-0.84	34.47	27.74	36.3	0.216	1447.4
180.0	-0.72	-0.73	34.51	27.76	33.9	0.219	1448.2
190.0	-0.58	-0.58	34.55	27.80	30.9	0.222	1449.1
200.0	-0.43	-0.43	34.59	27.82	28.9	0.225	1450.0
210.0	-0.28	-0.29	34.64	27.85	25.8	0.228	1450.9
220.0	-0.10	-0.10	34.69	27.88	23.2	0.231	1452.0
230.0	-0.02	-0.03	34.71	27.89	21.9	0.233	1452.5
240.0	0.11	0.10	34.74	27.91	20.2	0.235	1453.3
250.0	0.23	0.22	34.78	27.93	18.4	0.237	1454.1
260.0	0.30	0.29	34.80	27.95	17.2	0.239	1454.6
270.0	0.32	0.31	34.80	27.95	17.1	0.241	1454.9
280.0	0.40	0.39	34.82	27.96	16.1	0.242	1455.4
290.0	0.49	0.47	34.84	27.97	14.7	0.244	1456.0
300.0	0.52	0.51	34.85	27.98	14.3	0.245	1456.3
310.0	0.55	0.54	34.86	27.98	14.1	0.247	1456.7
320.0	0.57	0.56	34.86	27.98	14.0	0.248	1456.9
330.0	0.58	0.56	34.86	27.98	13.9	0.249	1457.1
340.0	0.61	0.60	34.88	27.99	13.2	0.251	1457.4
350.0	0.63	0.62	34.88	27.99	13.2	0.252	1457.7
370.0	0.69	0.67	34.89	28.00	12.6	0.255	1458.3
390.0	0.67	0.65	34.89	28.00	12.3	0.257	1458.6
410.0	0.64	0.62	34.89	28.00	12.3	0.260	1458.7
430.0	0.60	0.58	34.90	28.01	11.5	0.262	1458.9
450.0	0.57	0.55	34.90	28.02	11.1	0.264	1459.1
470.0	0.52	0.50	34.90	28.02	10.8	0.267	1459.2
490.0	0.47	0.44	34.90	28.02	10.4	0.269	1459.3
510.0	0.42	0.40	34.90	28.03	10.1	0.271	1459.4
530.0	0.37	0.34	34.91	28.03	9.6	0.273	1459.5
550.0	0.32	0.30	34.91	28.03	9.3	0.275	1459.7
570.0	0.29	0.27	34.90	28.03	9.2	0.277	1459.8
590.0	0.26	0.23	34.91	28.04	8.7	0.278	1460.0
610.0	0.21	0.19	34.91	28.04	8.4	0.280	1460.2
630.0	0.17	0.14	34.91	28.04	8.0	0.282	1460.3
650.0	0.13	0.10	34.91	28.05	7.8	0.283	1460.5
670.0	0.11	0.08	34.91	28.05	7.3	0.285	1460.7
690.0	0.08	0.05	34.91	28.05	7.3	0.286	1460.9
705.5	0.06	0.03	34.93	28.07	5.6	0.287	1461.1

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.4	-1.75	32.08
BOT NUM = 2	43.1	-1.77	32.46
BOT NUM = 3	705.1	0.06	34.90
BOT NUM = 4	704.7	0.06	34.92

FRAM 1 STATION 63(1) CTD 27/APR/1979 759 GMT CODE = 1
LAT = 84.2909N LNG = 8.0522W LTER = 1 LGER = 2
AIR TEMP = -20.5 BAROM = 1015.4 WIND = 76.0 SPEED = 3.3

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.10	25.85	216.0	0.000	1437.0
3.0	-1.74	-1.74	32.10	25.85	216.0	0.007	1437.1
5.0	-1.74	-1.74	32.17	25.90	210.9	0.011	1437.2
10.0	-1.76	-1.76	32.38	26.08	194.2	0.021	1437.5
15.0	-1.76	-1.76	32.41	26.10	192.3	0.031	1437.6
20.0	-1.77	-1.77	32.48	26.16	186.4	0.040	1437.8
25.0	-1.77	-1.77	32.49	26.16	186.2	0.050	1437.8
30.0	-1.77	-1.77	32.49	26.17	185.6	0.059	1437.9
35.0	-1.77	-1.77	32.50	26.17	185.2	0.068	1438.0
40.0	-1.77	-1.77	32.50	26.17	185.0	0.078	1438.1
45.0	-1.77	-1.77	32.50	26.17	185.1	0.087	1438.2
50.0	-1.77	-1.78	32.52	26.19	183.5	0.096	1438.3
55.0	-1.78	-1.78	32.56	26.22	180.2	0.105	1438.4
60.0	-1.77	-1.78	32.61	26.26	176.6	0.114	1438.6
65.0	-1.77	-1.77	32.67	26.31	171.8	0.123	1438.7
70.0	-1.77	-1.77	32.74	26.37	165.8	0.132	1439.0
80.0	-1.74	-1.74	32.86	26.47	156.6	0.148	1439.4
90.0	-1.66	-1.67	33.25	26.78	127.1	0.162	1440.5
100.0	-1.56	-1.56	33.57	27.03	103.2	0.174	1441.6
110.0	-1.48	-1.49	33.85	27.26	81.2	0.183	1442.5
120.0	-1.47	-1.47	34.03	27.40	67.8	0.191	1443.0
130.0	-1.38	-1.39	34.17	27.51	57.3	0.197	1443.8
140.0	-1.25	-1.25	34.27	27.59	49.9	0.202	1444.7
150.0	-1.14	-1.14	34.33	27.63	46.0	0.207	1445.5
160.0	-0.99	-1.00	34.40	27.69	40.8	0.212	1446.4
170.0	-0.84	-0.85	34.46	27.73	37.1	0.216	1447.4
180.0	-0.73	-0.73	34.51	27.76	33.9	0.219	1448.1
190.0	-0.59	-0.60	34.55	27.79	31.3	0.222	1449.0
200.0	-0.42	-0.42	34.60	27.82	28.3	0.225	1450.0
210.0	-0.29	-0.30	34.64	27.85	25.9	0.228	1450.8
220.0	-0.16	-0.17	34.67	27.87	24.1	0.231	1451.6
230.0	-0.04	-0.05	34.71	27.89	21.8	0.233	1452.4
240.0	0.08	0.07	34.73	27.90	21.0	0.235	1453.1
250.0	0.18	0.17	34.76	27.92	19.3	0.237	1453.8
260.0	0.29	0.28	34.80	27.95	16.9	0.239	1454.5
270.0	0.32	0.31	34.80	27.95	16.8	0.241	1454.9
280.0	0.38	0.37	34.82	27.96	16.0	0.242	1455.3
290.0	0.48	0.46	34.85	27.98	14.5	0.244	1455.9
300.0	0.51	0.49	34.86	27.98	14.0	0.245	1456.3
310.0	0.54	0.53	34.85	27.98	14.4	0.247	1456.6
320.0	0.57	0.56	34.87	27.99	13.6	0.248	1456.9
330.0	0.57	0.56	34.86	27.98	13.9	0.250	1457.1
340.0	0.61	0.59	34.87	27.99	13.5	0.251	1457.4
350.0	0.64	0.62	34.89	27.99	13.2	0.252	1457.7
370.0	0.69	0.67	34.89	28.00	12.8	0.255	1458.3
390.0	0.67	0.65	34.90	28.01	11.8	0.257	1458.6
410.0	0.62	0.61	34.90	28.01	11.8	0.260	1458.7
430.0	0.59	0.57	34.89	28.01	11.9	0.262	1458.9
450.0	0.56	0.54	34.90	28.02	10.9	0.265	1459.1
470.0	0.53	0.51	34.90	28.02	10.7	0.267	1459.3
490.0	0.49	0.47	34.91	28.02	10.4	0.269	1459.4
510.0	0.43	0.41	34.91	28.03	10.0	0.271	1459.5
530.0	0.37	0.35	34.90	28.02	10.1	0.273	1459.5
550.0	0.34	0.31	34.90	28.03	9.7	0.275	1459.7
570.0	0.30	0.27	34.91	28.03	9.1	0.277	1459.9
590.0	0.27	0.24	34.91	28.04	8.9	0.279	1460.1
610.0	0.23	0.20	34.91	28.04	8.5	0.281	1460.2
630.0	0.18	0.16	34.91	28.04	8.0	0.282	1460.4
650.0	0.16	0.13	34.91	28.05	7.7	0.284	1460.6
670.0	0.13	0.10	34.91	28.05	7.4	0.285	1460.8
690.0	0.11	0.08	34.92	28.05	7.0	0.287	1461.0

	DEPTH	TEMP.	SALIN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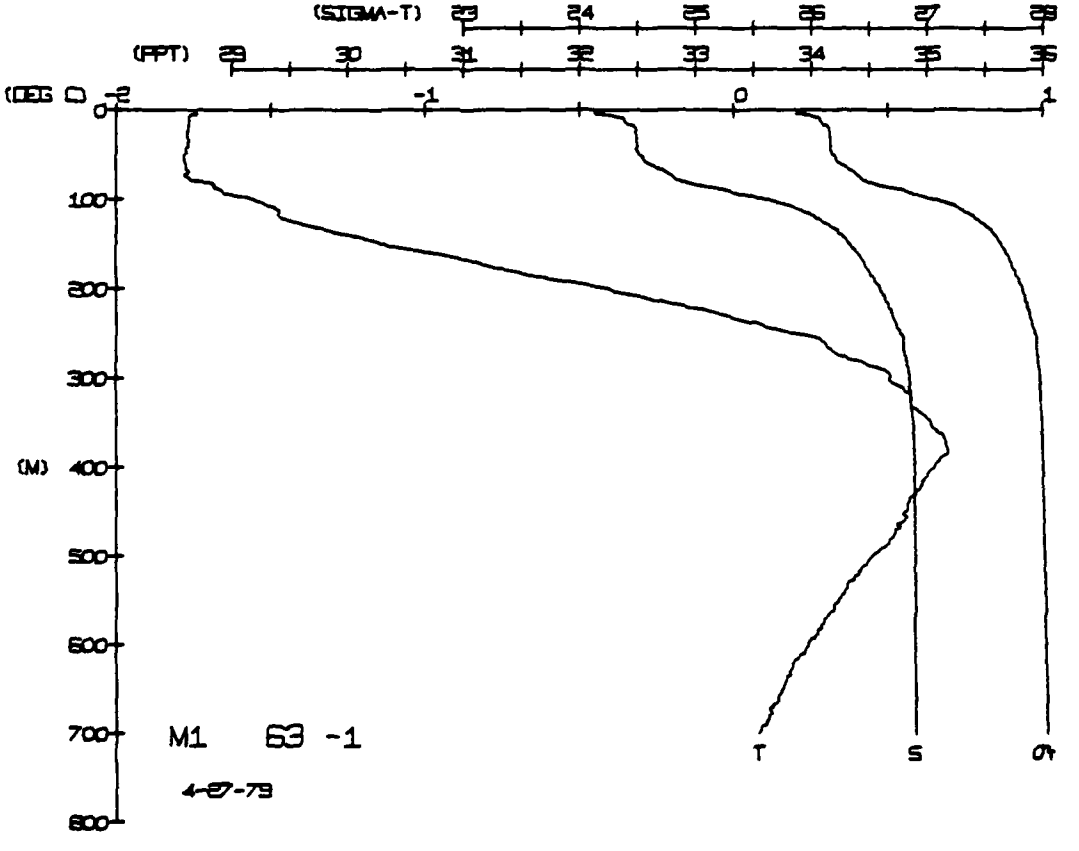
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(PPT)
(DEG C)
(M)
M1 63 -1
4-27-79
T
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FRAM 1 STATION 64(1) CTD 27/APR/1979 1925 GMT CODE = 1
LAT = 84.2889N LNG = 8.0890W LTER = 1 LGER = 2
AIR TEMP = -20.5 BAROM = 1022.2 WIND = 76.0 SPEED = 3.3

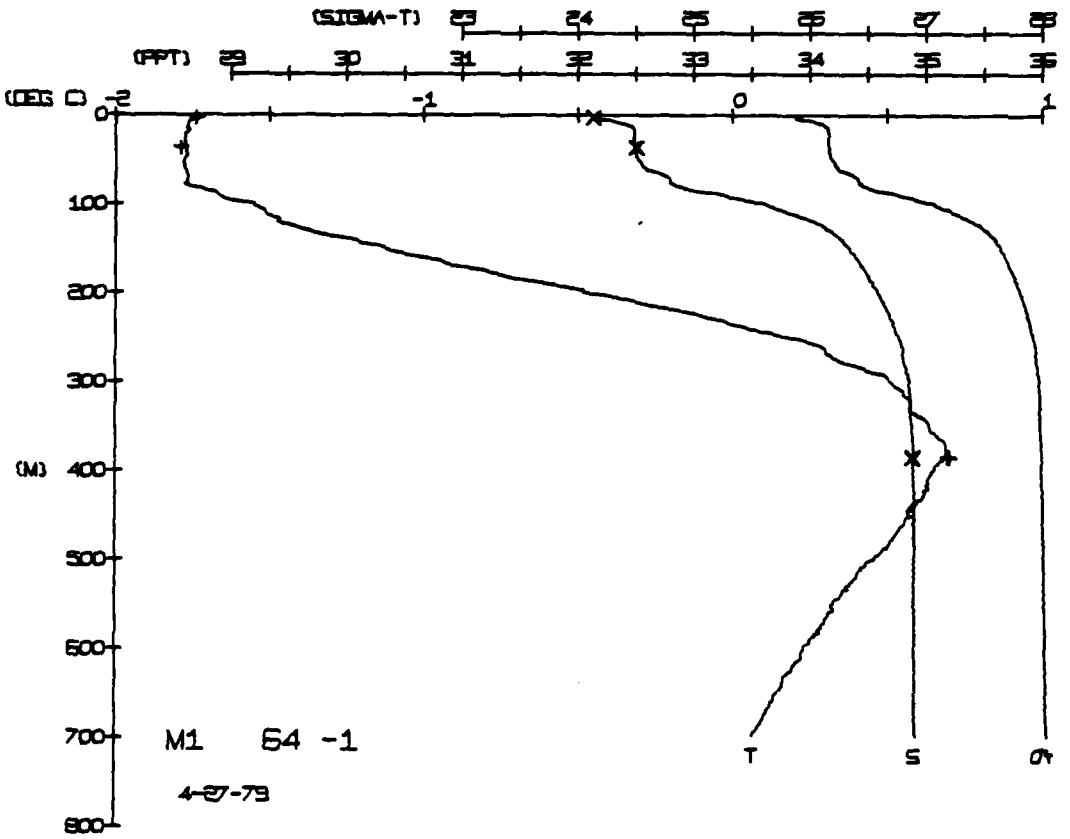
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.13	25.87	214.1	0.000	1437.1
3.0	-1.74	-1.74	32.13	25.87	214.1	0.007	1437.1
5.0	-1.74	-1.74	32.15	25.88	212.5	0.011	1437.2
10.0	-1.77	-1.77	32.37	26.07	195.0	0.021	1437.4
15.0	-1.77	-1.77	32.48	26.15	187.0	0.031	1437.7
20.0	-1.77	-1.77	32.48	26.16	186.3	0.040	1437.8
25.0	-1.77	-1.78	32.49	26.16	185.9	0.049	1437.8
30.0	-1.77	-1.77	32.48	26.16	186.2	0.059	1437.9
35.0	-1.77	-1.77	32.49	26.16	185.8	0.068	1438.0
40.0	-1.77	-1.77	32.50	26.17	185.2	0.077	1438.1
45.0	-1.77	-1.77	32.50	26.17	185.1	0.087	1438.2
50.0	-1.78	-1.78	32.52	26.19	183.5	0.096	1438.3
55.0	-1.78	-1.78	32.55	26.21	180.9	0.105	1438.4
60.0	-1.78	-1.78	32.58	26.23	178.9	0.114	1438.5
65.0	-1.77	-1.77	32.66	26.31	172.0	0.123	1438.7
70.0	-1.77	-1.77	32.76	26.38	164.9	0.132	1439.0
80.0	-1.76	-1.77	32.84	26.45	158.4	0.148	1439.3
90.0	-1.67	-1.67	33.22	26.75	129.5	0.162	1440.4
100.0	-1.56	-1.56	33.60	27.06	100.8	0.174	1441.6
110.0	-1.52	-1.52	33.80	27.22	85.4	0.183	1442.3
120.0	-1.47	-1.48	34.01	27.39	69.3	0.191	1443.0
130.0	-1.39	-1.39	34.16	27.51	58.0	0.198	1443.7
140.0	-1.25	-1.25	34.28	27.60	49.6	0.203	1444.7
150.0	-1.13	-1.13	34.34	27.64	45.0	0.208	1445.5
160.0	-1.02	-1.03	34.39	27.68	41.3	0.212	1446.3
170.0	-0.90	-0.90	34.44	27.71	38.6	0.216	1447.1
180.0	-0.76	-0.77	34.50	27.76	34.4	0.220	1448.0
190.0	-0.62	-0.62	34.54	27.79	31.9	0.223	1448.9
200.0	-0.49	-0.50	34.58	27.81	29.3	0.226	1449.7
210.0	-0.32	-0.33	34.63	27.84	26.6	0.229	1450.7
220.0	-0.19	-0.19	34.66	27.86	24.7	0.232	1451.5
230.0	-0.07	-0.08	34.69	27.88	23.0	0.234	1452.2
240.0	0.04	0.03	34.72	27.90	21.3	0.236	1453.0
250.0	0.16	0.15	34.76	27.92	19.3	0.239	1453.7
260.0	0.28	0.27	34.79	27.94	17.6	0.240	1454.5
270.0	0.31	0.30	34.80	27.95	16.9	0.242	1454.8
280.0	0.37	0.36	34.81	27.96	16.4	0.244	1455.2
290.0	0.45	0.44	34.83	27.97	15.3	0.245	1455.8
300.0	0.51	0.50	34.86	27.98	14.0	0.247	1456.3
310.0	0.55	0.53	34.86	27.98	14.2	0.248	1456.6
320.0	0.57	0.56	34.87	27.99	13.4	0.250	1456.9
330.0	0.57	0.56	34.87	27.99	13.5	0.251	1457.1
340.0	0.61	0.60	34.87	27.99	13.4	0.252	1457.4
350.0	0.64	0.62	34.88	27.99	13.2	0.254	1457.7
370.0	0.69	0.67	34.90	28.00	12.4	0.256	1458.3
390.0	0.67	0.65	34.90	28.01	12.1	0.259	1458.5
410.0	0.63	0.61	34.90	28.01	11.6	0.261	1458.7
430.0	0.61	0.60	34.89	28.01	12.1	0.264	1459.0
450.0	0.57	0.55	34.90	28.01	11.5	0.266	1459.1
470.0	0.53	0.51	34.90	28.02	10.9	0.268	1459.3
490.0	0.48	0.46	34.91	28.03	10.0	0.270	1459.4
510.0	0.42	0.40	34.90	28.02	10.4	0.272	1459.4
530.0	0.37	0.35	34.90	28.03	9.7	0.274	1459.5
550.0	0.32	0.30	34.90	28.03	9.8	0.276	1459.6
570.0	0.30	0.27	34.91	28.04	9.0	0.278	1459.9
590.0	0.25	0.23	34.90	28.04	8.9	0.280	1460.0
610.0	0.23	0.20	34.90	28.04	8.8	0.282	1460.2
630.0	0.17	0.14	34.91	28.04	8.2	0.284	1460.3
650.0	0.14	0.12	34.90	28.04	8.4	0.285	1460.5
670.0	0.11	0.08	34.91	28.05	7.6	0.287	1460.7
690.0	0.08	0.05	34.91	28.05	7.3	0.288	1460.9
698.6	0.06	0.03	34.92	28.05	6.8	0.289	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.74	32.13
BOT NUM = 2	36.8	-1.79	32.50
BOT NUM = 3	384.8	0.69	34.88
BOT NUM = 4	384.9	0.70	34.88

FRAM 1 STATION 65(1) CTD 28/APR/1979 719 GMT CODE = 1
LAT = 84.2780N LNG = 8.0750W LTER = 0 LGER = 0
AIR TEMP = -22.2 BAROM = 1028.7 WIND = 316.0 SPEED = 5.3

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.13	25.87	214.0	0.000	1437.1
3.1	-1.74	-1.74	32.13	25.87	213.9	0.007	1437.1
5.0	-1.74	-1.74	32.13	25.88	213.4	0.011	1437.1
10.0	-1.76	-1.76	32.39	26.08	194.0	0.021	1437.5
15.0	-1.77	-1.77	32.47	26.15	187.5	0.031	1437.6
20.0	-1.77	-1.77	32.48	26.15	186.7	0.040	1437.7
25.0	-1.78	-1.78	32.49	26.16	186.0	0.049	1437.8
30.0	-1.78	-1.78	32.49	26.16	185.9	0.059	1437.9
35.0	-1.78	-1.78	32.50	26.17	185.3	0.068	1438.0
40.0	-1.78	-1.78	32.48	26.16	186.0	0.077	1438.1
45.0	-1.78	-1.78	32.49	26.17	185.4	0.087	1438.1
50.0	-1.78	-1.78	32.49	26.17	185.2	0.096	1438.2
55.0	-1.77	-1.78	32.55	26.22	180.6	0.105	1438.4
60.0	-1.77	-1.77	32.62	26.27	175.4	0.114	1438.6
65.0	-1.78	-1.78	32.73	26.36	167.0	0.123	1438.8
70.0	-1.77	-1.77	32.77	26.39	164.3	0.131	1439.0
80.0	-1.75	-1.75	32.87	26.47	156.9	0.147	1439.4
90.0	-1.67	-1.67	33.18	26.72	132.7	0.162	1440.3
100.0	-1.57	-1.57	33.51	26.99	107.1	0.174	1441.5
110.0	-1.51	-1.51	33.83	27.25	82.7	0.184	1442.4
120.0	-1.47	-1.48	34.00	27.38	69.9	0.191	1442.9
130.0	-1.39	-1.39	34.15	27.50	58.4	0.198	1443.7
140.0	-1.26	-1.27	34.27	27.59	50.3	0.203	1444.6
150.0	-1.15	-1.15	34.33	27.64	45.5	0.208	1445.4
160.0	-1.03	-1.04	34.39	27.68	41.8	0.213	1446.2
170.0	-0.90	-0.91	34.44	27.71	38.6	0.217	1447.1
180.0	-0.78	-0.78	34.48	27.74	35.7	0.220	1447.9
190.0	-0.60	-0.61	34.54	27.79	31.7	0.224	1448.9
200.0	-0.46	-0.47	34.58	27.81	29.2	0.227	1449.8
210.0	-0.35	-0.36	34.63	27.84	26.5	0.230	1450.5
220.0	-0.21	-0.21	34.66	27.87	24.4	0.232	1451.4
230.0	-0.10	-0.11	34.69	27.88	23.5	0.235	1452.1
240.0	0.04	0.03	34.72	27.90	21.4	0.237	1453.0
250.0	0.17	0.16	34.76	27.92	19.5	0.239	1453.8
260.0	0.26	0.25	34.78	27.94	17.9	0.241	1454.4
270.0	0.31	0.30	34.80	27.95	17.1	0.243	1454.8
280.0	0.35	0.34	34.81	27.95	16.8	0.244	1455.2
290.0	0.47	0.46	34.83	27.97	15.3	0.246	1455.9
300.0	0.51	0.50	34.86	27.98	14.0	0.248	1456.3
310.0	0.55	0.53	34.86	27.98	13.8	0.249	1456.6
320.0	0.57	0.56	34.86	27.98	14.2	0.250	1456.9
330.0	0.57	0.56	34.86	27.98	14.0	0.252	1457.1
340.0	0.61	0.59	34.87	27.99	13.3	0.253	1457.4
350.0	0.63	0.62	34.88	27.99	13.3	0.254	1457.7
370.0	0.66	0.64	34.89	28.00	12.9	0.257	1458.2
390.0	0.69	0.68	34.90	28.01	12.1	0.260	1458.7
410.0	0.63	0.61	34.89	28.00	12.6	0.262	1458.7
430.0	0.60	0.58	34.90	28.01	11.3	0.265	1458.9
450.0	0.58	0.56	34.91	28.02	10.9	0.267	1459.1
470.0	0.56	0.54	34.90	28.01	11.2	0.269	1459.4
490.0	0.50	0.48	34.90	28.02	10.8	0.271	1459.4
510.0	0.44	0.41	34.90	28.02	10.4	0.273	1459.5
530.0	0.38	0.36	34.90	28.02	10.1	0.275	1459.6
550.0	0.34	0.31	34.90	28.03	9.9	0.277	1459.7
570.0	0.29	0.26	34.90	28.03	9.2	0.279	1459.8
590.0	0.27	0.25	34.90	28.03	9.1	0.281	1460.1
610.0	0.23	0.21	34.90	28.04	8.9	0.283	1460.2
630.0	0.18	0.16	34.91	28.04	8.3	0.285	1460.4
650.0	0.15	0.12	34.91	28.05	7.8	0.286	1460.5
670.0	0.11	0.09	34.91	28.05	7.7	0.288	1460.7
690.0	0.09	0.06	34.91	28.05	7.7	0.290	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6		32.12
BOT NUM = 2	41.6	-1.78	32.49
BOT NUM = 3	394.9		34.90
BOT NUM = 4	699.7	0.06	34.90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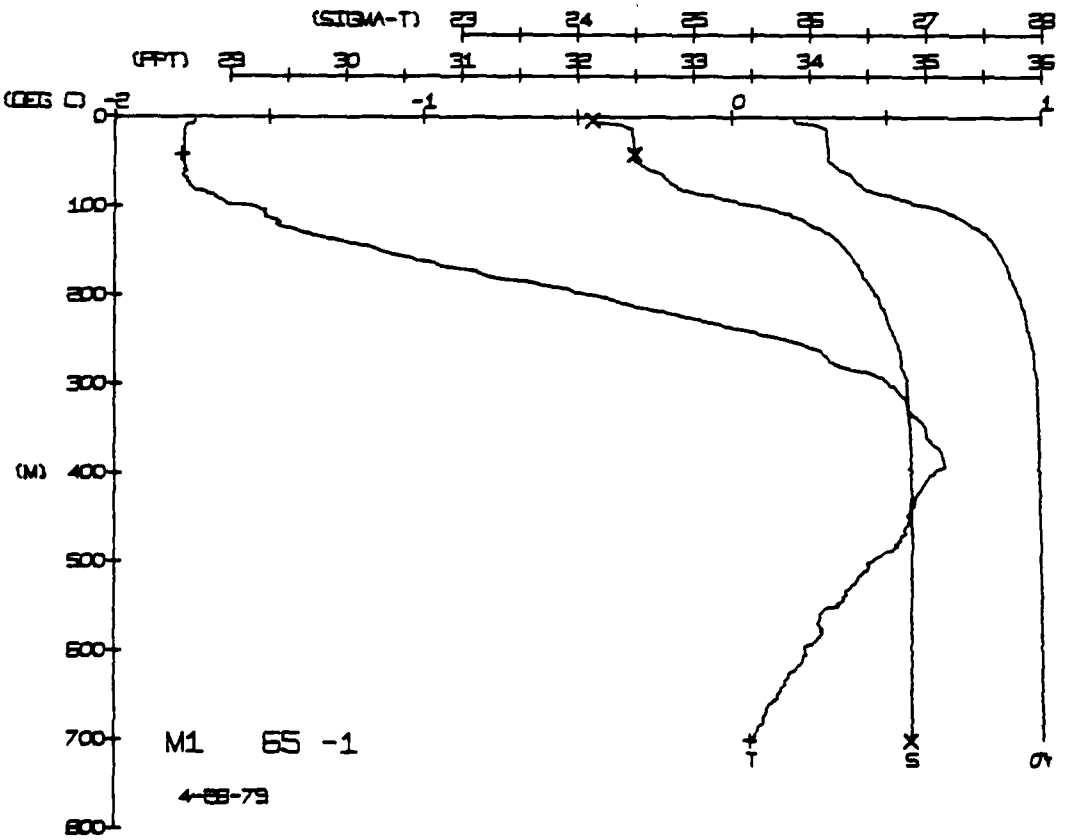
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(DEG C)
(M)
M1 65 -1
4-28-79
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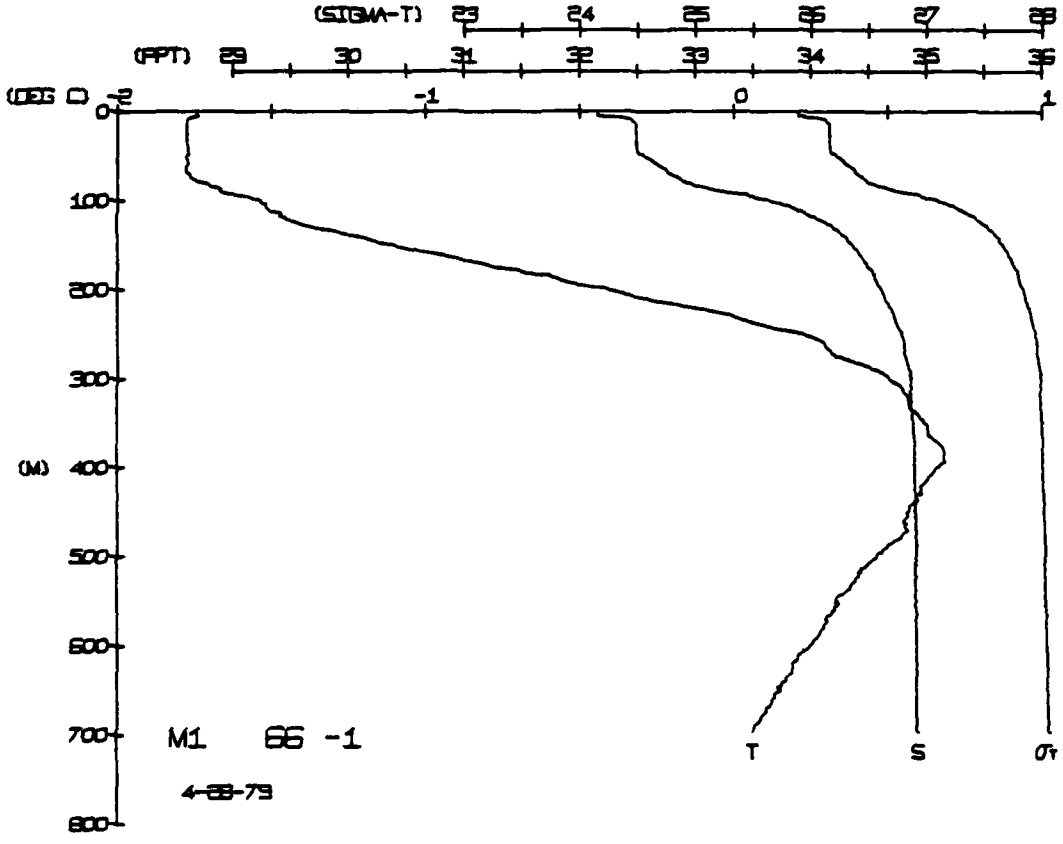
FRAM 1 STATION 66(1) CTD 28/APR/1979 1300 GMT CODE = 1
LAT = 84 2649N LNG = 8 0279W LTER = 0. LGER = 0.
AIR TEMP = -22 2 BAROM = 1030.4 WIND = 316.0 SPEED = 5.3

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.15	25.89	212.4	0.000	1437.1
3.0	-1.74	-1.74	32.15	25.89	212.4	0.006	1437.1
5.0	-1.74	-1.74	32.15	25.89	212.2	0.011	1437.2
10.0	-1.77	-1.77	32.45	26.13	189.1	0.021	1437.5
15.0	-1.78	-1.78	32.49	26.16	186.2	0.030	1437.6
20.0	-1.78	-1.78	32.48	26.16	186.4	0.040	1437.7
25.0	-1.77	-1.77	32.49	26.16	186.2	0.049	1437.8
30.0	-1.77	-1.78	32.48	26.16	186.2	0.058	1437.9
35.0	-1.77	-1.78	32.49	26.16	185.6	0.068	1438.0
40.0	-1.77	-1.77	32.49	26.16	185.8	0.077	1438.1
45.0	-1.77	-1.77	32.50	26.17	185.2	0.086	1438.2
50.0	-1.78	-1.78	32.55	26.21	180.9	0.096	1438.3
55.0	-1.77	-1.77	32.62	26.27	175.3	0.105	1438.5
60.0	-1.77	-1.77	32.67	26.31	171.7	0.113	1438.7
65.0	-1.78	-1.78	32.75	26.37	165.8	0.122	1438.8
70.0	-1.77	-1.77	32.78	26.40	163.3	0.130	1439.0
80.0	-1.73	-1.73	32.91	26.50	153.1	0.146	1439.5
90.0	-1.67	-1.67	33.22	26.75	129.4	0.160	1440.4
100.0	-1.54	-1.54	33.63	27.08	98.3	0.172	1441.8
110.0	-1.51	-1.51	33.86	27.27	80.6	0.181	1442.4
120.0	-1.46	-1.46	34.05	27.42	66.3	0.188	1443.1
130.0	-1.36	-1.37	34.19	27.53	55.6	0.194	1443.9
140.0	-1.24	-1.24	34.28	27.60	49.0	0.200	1444.8
150.0	-1.12	-1.12	34.36	27.66	43.7	0.204	1445.6
160.0	-0.98	-0.99	34.42	27.70	39.8	0.209	1446.5
170.0	-0.84	-0.84	34.48	27.74	35.8	0.212	1447.4
180.0	-0.69	-0.69	34.53	27.78	32.2	0.216	1448.4
190.0	-0.56	-0.56	34.57	27.80	30.1	0.219	1449.2
200.0	-0.41	-0.41	34.61	27.83	27.5	0.222	1450.1
210.0	-0.29	-0.30	34.64	27.85	25.6	0.225	1450.8
220.0	-0.15	-0.16	34.69	27.88	23.0	0.227	1451.7
230.0	0.00	-0.01	34.72	27.90	21.3	0.229	1452.6
240.0	0.09	0.08	34.74	27.92	19.9	0.231	1453.2
250.0	0.21	0.20	34.78	27.94	18.1	0.233	1454.0
260.0	0.29	0.28	34.81	27.95	16.4	0.235	1454.5
270.0	0.31	0.30	34.81	27.95	16.5	0.237	1454.8
280.0	0.37	0.36	34.83	27.97	15.4	0.238	1455.3
290.0	0.45	0.44	34.84	27.97	14.8	0.240	1455.8
300.0	0.50	0.49	34.85	27.98	14.1	0.241	1456.3
310.0	0.54	0.53	34.87	27.99	13.5	0.243	1456.6
320.0	0.56	0.55	34.87	27.99	13.3	0.244	1456.9
330.0	0.57	0.56	34.87	27.99	13.6	0.245	1457.1
340.0	0.60	0.58	34.88	28.00	12.7	0.247	1457.4
350.0	0.62	0.60	34.89	28.00	12.6	0.248	1457.6
370.0	0.65	0.63	34.90	28.01	12.0	0.250	1458.1
390.0	0.68	0.66	34.90	28.01	11.8	0.253	1458.6
410.0	0.64	0.62	34.90	28.01	12.0	0.255	1458.7
430.0	0.60	0.59	34.90	28.01	11.6	0.258	1458.9
450.0	0.56	0.54	34.91	28.02	10.8	0.260	1459.1
470.0	0.56	0.54	34.91	28.02	10.7	0.262	1459.4
490.0	0.50	0.47	34.91	28.02	10.2	0.264	1459.4
510.0	0.43	0.41	34.92	28.04	9.1	0.266	1459.5
530.0	0.39	0.36	34.91	28.03	9.7	0.268	1459.6
550.0	0.34	0.31	34.92	28.04	8.5	0.270	1459.7
570.0	0.29	0.27	34.91	28.03	9.0	0.272	1459.8
590.0	0.27	0.25	34.91	28.04	8.5	0.273	1460.1
610.0	0.21	0.18	34.91	28.04	8.0	0.275	1460.1
630.0	0.19	0.16	34.92	28.05	7.5	0.277	1460.4
650.0	0.15	0.12	34.91	28.05	7.6	0.278	1460.5
670.0	0.10	0.08	34.91	28.05	7.3	0.280	1460.7
690.0	0.07	0.04	34.91	28.05	7.2	0.281	1460.8
696.9	0.06	0.03	34.93	28.07	5.6	0.282	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4	-1.74	32.14
BOT NUM = 2	39.1	-1.78	32.49
BOT NUM = 3	384.6	0.69	34.88
BOT NUM = 4	701.7	0.07	34.90

FRAM 1 STATION 67(1) CTD 28/APR/1979 1836 GMT CODE = 1
LAT = 84 2548N LNG = 8 0089W LTER = 1. LGER = 2.
AIR TEMP = -22 2 BAROM = 1030.5 WIND = 317 0 SPEED = 6.2

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.74	-1.74	32.15	25.89	211.9	0.000	1437.1
3.1	-1.74	-1.74	32.15	25.89	211.8	0.007	1437.1
5.0	-1.75	-1.75	32.16	25.89	211.6	0.011	1437.2
10.0	-1.77	-1.77	32.39	26.08	193.7	0.021	1437.5
15.0	-1.77	-1.77	32.47	26.15	187.3	0.030	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.1	0.040	1437.7
25.0	-1.77	-1.77	32.48	26.16	186.4	0.049	1437.8
30.0	-1.77	-1.77	32.48	26.16	186.4	0.059	1437.9
35.0	-1.77	-1.77	32.48	26.15	186.8	0.068	1438.0
40.0	-1.77	-1.77	32.49	26.16	185.8	0.077	1438.1
45.0	-1.78	-1.78	32.49	26.16	185.6	0.087	1438.1
50.0	-1.77	-1.77	32.49	26.16	185.7	0.096	1438.2
55.0	-1.76	-1.77	32.55	26.21	181.0	0.105	1438.4
60.0	-1.77	-1.77	32.62	26.27	175.5	0.114	1438.6
65.0	-1.77	-1.77	32.70	26.33	169.5	0.123	1438.8
70.0	-1.77	-1.77	32.77	26.39	163.8	0.131	1439.0
80.0	-1.72	-1.72	32.89	26.49	154.4	0.148	1439.6
90.0	-1.68	-1.68	33.18	26.72	132.6	0.162	1440.3
100.0	-1.56	-1.57	33.52	27.00	106.3	0.174	1441.5
110.0	-1.51	-1.51	33.81	27.23	84.2	0.184	1442.3
120.0	-1.46	-1.46	34.03	27.41	67.6	0.191	1443.0
130.0	-1.39	-1.39	34.16	27.50	58.2	0.198	1443.7
140.0	-1.26	-1.26	34.26	27.58	51.1	0.203	1444.6
150.0	-1.16	-1.17	34.32	27.63	46.3	0.208	1445.4
160.0	-1.04	-1.05	34.39	27.68	41.7	0.212	1446.2
170.0	-0.89	-0.90	34.45	27.72	37.6	0.216	1447.1
180.0	-0.73	-0.73	34.50	27.76	34.6	0.220	1448.1
190.0	-0.58	-0.59	34.54	27.79	31.6	0.223	1449.0
200.0	-0.46	-0.47	34.59	27.82	28.4	0.227	1449.8
210.0	-0.34	-0.35	34.62	27.84	26.7	0.229	1450.6
220.0	-0.17	-0.18	34.67	27.87	24.1	0.232	1451.6
230.0	-0.07	-0.07	34.70	27.89	22.4	0.234	1452.3
240.0	0.10	0.09	34.73	27.91	20.8	0.236	1453.3
250.0	0.21	0.20	34.77	27.93	18.8	0.238	1453.9
260.0	0.29	0.28	34.79	27.94	17.5	0.240	1454.5
270.0	0.33	0.31	34.80	27.95	17.2	0.242	1454.9
280.0	0.40	0.39	34.82	27.96	16.0	0.244	1455.4
290.0	0.46	0.44	34.83	27.97	15.5	0.245	1455.8
300.0	0.50	0.48	34.85	27.98	14.4	0.247	1456.2
310.0	0.52	0.51	34.85	27.98	14.2	0.248	1456.5
320.0	0.55	0.54	34.86	27.98	14.2	0.250	1456.8
330.0	0.57	0.56	34.86	27.98	14.2	0.251	1457.1
340.0	0.60	0.58	34.87	27.98	13.9	0.252	1457.3
350.0	0.63	0.61	34.87	27.99	13.6	0.254	1457.7
370.0	0.66	0.65	34.89	28.00	12.7	0.257	1458.2
390.0	0.69	0.68	34.90	28.01	12.1	0.259	1458.7
410.0	0.65	0.63	34.89	28.00	12.2	0.262	1458.8
430.0	0.60	0.58	34.90	28.01	11.7	0.264	1458.9
450.0	0.57	0.53	34.90	28.02	11.0	0.266	1459.1
470.0	0.57	0.55	34.90	28.02	11.2	0.268	1459.4
490.0	0.50	0.48	34.90	28.02	10.9	0.271	1459.4
510.0	0.44	0.42	34.91	28.03	10.1	0.273	1459.5
530.0	0.40	0.37	34.91	28.03	9.8	0.275	1459.7
550.0	0.35	0.32	34.91	28.03	9.5	0.277	1459.8
570.0	0.28	0.26	34.91	28.04	9.0	0.279	1459.8
590.0	0.26	0.23	34.90	28.03	9.1	0.280	1460.0
610.0	0.24	0.21	34.90	28.04	8.9	0.282	1460.3
630.0	0.20	0.17	34.91	28.05	7.9	0.284	1460.4
650.0	0.15	0.13	34.91	28.04	8.0	0.286	1460.6
670.0	0.10	0.07	34.90	28.04	8.2	0.287	1460.6
690.0	0.08	0.05	34.91	28.05	7.6	0.289	1460.9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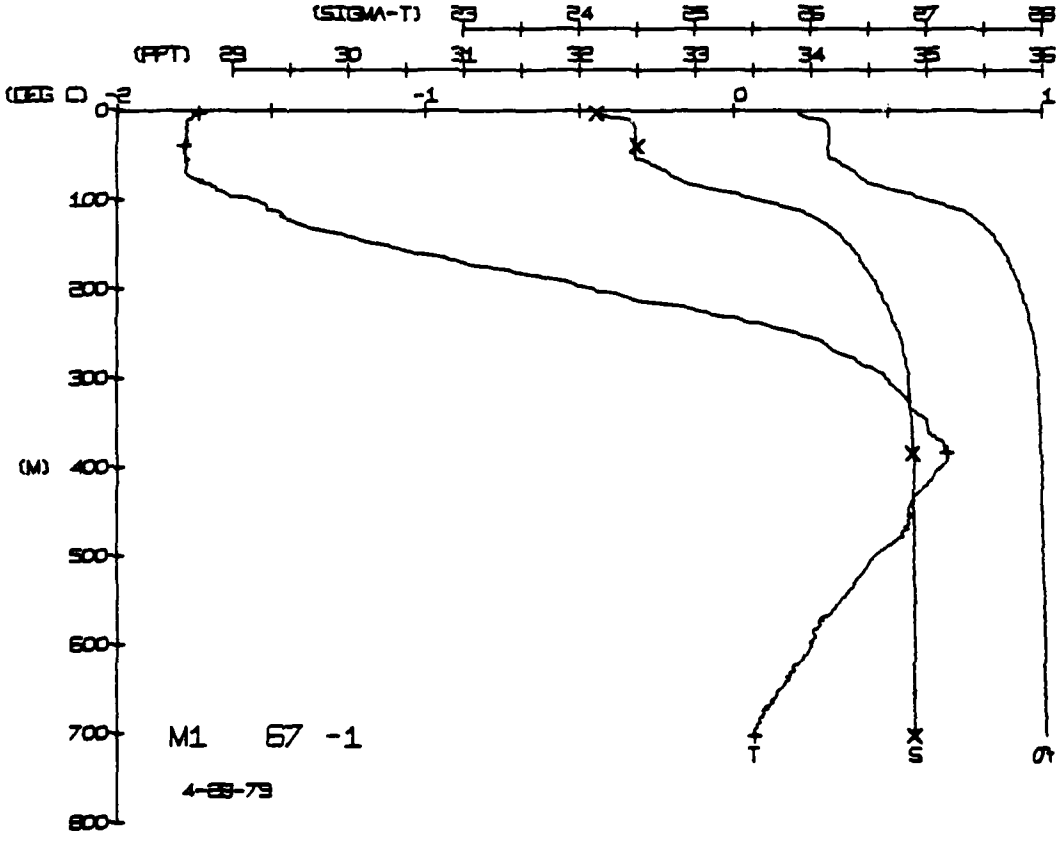
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M1 67 -1
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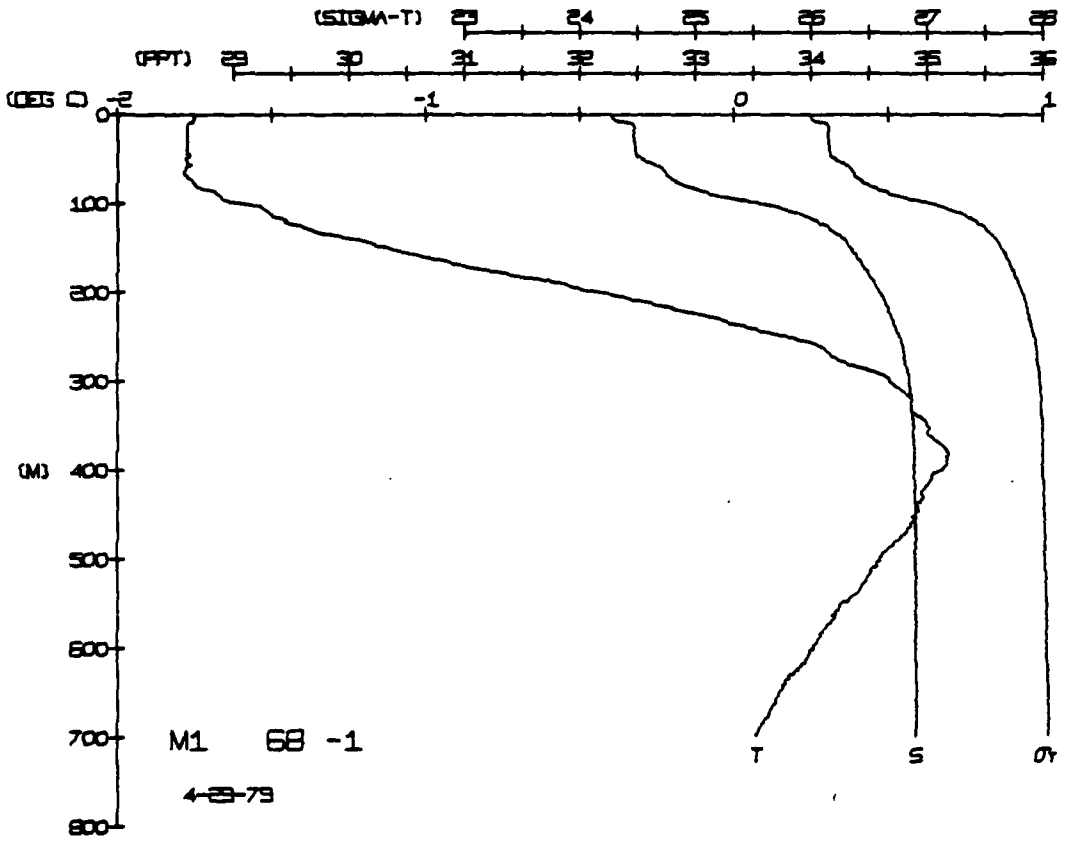
FRAM 1 STATION 68(1) CTD 29/APR/1979 1300 GMT CODE = 1
LAT = 84 2228N LNG = 7 9389W LTER = 0. LGER = 0.
AIR TEMP = -22 2 BAROM = 1033 7 WIND = 317 0 SPEED = 6.2

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.75	-1.75	32.26	25.97	204.0	0.000	1437.2
3.0	-1.75	-1.75	32.26	25.97	204.0	0.006	1437.2
5.0	-1.75	-1.75	32.29	26.00	201.2	0.010	1437.3
10.0	-1.76	-1.76	32.41	26.10	192.3	0.020	1437.5
15.0	-1.77	-1.77	32.47	26.15	187.3	0.030	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.2	0.039	1437.7
25.0	-1.77	-1.78	32.47	26.15	187.5	0.049	1437.8
30.0	-1.78	-1.78	32.48	26.15	186.8	0.058	1437.9
35.0	-1.77	-1.77	32.48	26.16	186.3	0.067	1438.0
40.0	-1.77	-1.78	32.48	26.16	186.5	0.077	1438.0
45.0	-1.77	-1.78	32.49	26.16	186.0	0.086	1438.1
50.0	-1.78	-1.78	32.54	26.20	182.1	0.095	1438.3
55.0	-1.78	-1.78	32.61	26.26	176.2	0.104	1438.5
60.0	-1.78	-1.78	32.70	26.33	169.7	0.113	1438.7
65.0	-1.79	-1.79	32.74	26.37	166.2	0.122	1438.8
70.0	-1.78	-1.78	32.76	26.39	164.3	0.130	1438.9
80.0	-1.75	-1.75	32.90	26.49	153.9	0.146	1439.4
90.0	-1.68	-1.68	33.12	26.67	136.9	0.161	1440.2
100.0	-1.62	-1.62	33.52	27.00	106.4	0.173	1441.2
110.0	-1.51	-1.51	33.83	27.24	83.0	0.182	1442.4
120.0	-1.45	-1.46	34.04	27.41	67.3	0.190	1443.1
130.0	-1.38	-1.39	34.16	27.50	58.3	0.196	1443.7
140.0	-1.25	-1.25	34.27	27.59	50.1	0.202	1444.7
150.0	-1.13	-1.14	34.33	27.64	45.6	0.207	1445.5
160.0	-1.02	-1.02	34.39	27.68	41.3	0.211	1446.3
170.0	-0.89	-0.90	34.44	27.72	38.0	0.215	1447.1
180.0	-0.74	-0.74	34.50	27.76	34.4	0.219	1448.1
190.0	-0.56	-0.57	34.55	27.79	31.1	0.222	1449.1
200.0	-0.45	-0.46	34.59	27.82	28.7	0.225	1449.9
210.0	-0.32	-0.33	34.63	27.84	26.4	0.228	1450.7
220.0	-0.19	-0.20	34.66	27.86	24.6	0.230	1451.5
230.0	-0.05	-0.06	34.69	27.88	23.0	0.233	1452.3
240.0	0.04	0.03	34.72	27.90	21.2	0.235	1453.0
250.0	0.15	0.14	34.75	27.92	19.5	0.237	1453.7
260.0	0.27	0.26	34.78	27.94	18.1	0.239	1454.4
270.0	0.31	0.30	34.79	27.94	17.5	0.241	1454.8
280.0	0.37	0.35	34.81	27.95	16.8	0.243	1455.2
290.0	0.46	0.44	34.84	27.97	14.9	0.244	1455.9
300.0	0.51	0.49	34.85	27.98	14.7	0.246	1456.2
310.0	0.54	0.53	34.85	27.98	14.4	0.247	1456.6
320.0	0.57	0.56	34.86	27.98	14.0	0.249	1456.9
330.0	0.57	0.56	34.86	27.98	14.1	0.250	1457.1
340.0	0.60	0.59	34.86	27.98	14.1	0.251	1457.4
350.0	0.63	0.61	34.88	28.00	12.8	0.253	1457.7
370.0	0.67	0.65	34.89	28.00	12.7	0.255	1458.2
390.0	0.69	0.67	34.90	28.00	12.4	0.258	1458.6
410.0	0.64	0.62	34.89	28.00	12.7	0.260	1458.7
430.0	0.61	0.59	34.90	28.01	11.8	0.263	1459.0
450.0	0.59	0.57	34.90	28.01	11.7	0.265	1459.2
470.0	0.55	0.53	34.90	28.01	11.2	0.268	1459.4
490.0	0.49	0.47	34.90	28.01	11.2	0.270	1459.4
510.0	0.45	0.43	34.90	28.02	10.5	0.272	1459.6
530.0	0.41	0.39	34.90	28.03	10.0	0.274	1459.7
550.0	0.34	0.32	34.90	28.03	9.6	0.276	1459.7
570.0	0.32	0.29	34.90	28.03	9.3	0.278	1459.9
590.0	0.27	0.25	34.90	28.03	9.3	0.280	1460.1
610.0	0.24	0.21	34.90	28.04	8.8	0.282	1460.3
630.0	0.18	0.15	34.90	28.04	8.5	0.283	1460.3
650.0	0.15	0.12	34.91	28.04	8.1	0.285	1460.5
670.0	0.11	0.09	34.91	28.05	7.7	0.287	1460.7
690.0	0.08	0.05	34.91	28.05	7.2	0.288	1460.9
698.0	0.07	0.04	34.91	28.05	7.5	0.289	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4	-1.76	
BOT NUM = 2	40.6	-1.77	32.48
BOT NUM = 3	390.1	0.69	34.88
BOT NUM = 4	699.6	0.08	34.90

FRAM 1 STATION 69(1) CTD 29/APR/1979 1857 GMT CODE = 1
LAT = 84 2144N LNG = 7 9466W LTER = 1. LGER = 2.
AIR TEMP = -22 1 BAROM = 1035 9 WIND = 335 0 SPEED = 4.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	32.36	26.06	195.9	0.000	1437.3
3.1	-1.76	-1.76	32.36	26.06	195.9	0.006	1437.3
5.0	-1.76	-1.76	32.37	26.07	194.9	0.010	1437.4
10.0	-1.77	-1.77	32.41	26.10	191.8	0.020	1437.5
15.0	-1.77	-1.77	32.46	26.14	188.4	0.029	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.5	0.039	1437.7
25.0	-1.77	-1.77	32.47	26.15	187.2	0.048	1437.8
30.0	-1.77	-1.77	32.48	26.15	186.8	0.057	1437.9
35.0	-1.77	-1.77	32.48	26.16	186.2	0.067	1438.0
40.0	-1.77	-1.77	32.49	26.16	186.3	0.076	1438.1
45.0	-1.77	-1.77	32.48	26.16	186.2	0.086	1438.2
50.0	-1.77	-1.77	32.49	26.16	186.0	0.095	1438.3
55.0	-1.77	-1.77	32.51	26.21	181.5	0.104	1438.4
60.0	-1.77	-1.77	32.69	26.32	170.3	0.113	1438.7
65.0	-1.77	-1.77	32.72	26.35	167.8	0.122	1438.8
70.0	-1.78	-1.78	32.76	26.39	164.3	0.130	1438.9
80.0	-1.74	-1.74	32.92	26.51	152.3	0.146	1439.5
90.0	-1.68	-1.68	33.18	26.72	132.5	0.160	1440.3
100.0	-1.63	-1.63	33.53	27.00	106.0	0.172	1441.2
110.0	-1.52	-1.52	33.81	27.23	84.4	0.182	1442.3
120.0	-1.47	-1.47	34.03	27.40	68.1	0.190	1443.0
130.0	-1.39	-1.39	34.15	27.50	58.7	0.196	1443.7
140.0	-1.26	-1.26	34.27	27.59	50.4	0.202	1444.7
150.0	-1.14	-1.14	34.33	27.64	45.6	0.206	1445.5
160.0	-1.05	-1.05	34.39	27.68	41.2	0.211	1446.2
170.0	-0.89	-0.89	34.44	27.72	38.0	0.215	1447.1
180.0	-0.77	-0.78	34.49	27.75	34.6	0.218	1447.9
190.0	-0.58	-0.58	34.55	27.79	31.2	0.222	1449.1
200.0	-0.48	-0.49	34.58	27.81	29.4	0.225	1449.7
210.0	-0.35	-0.36	34.61	27.83	27.6	0.228	1450.5
220.0	-0.18	-0.19	34.66	27.86	24.6	0.230	1451.5
230.0	-0.07	-0.08	34.69	27.88	23.2	0.233	1452.2
240.0	0.07	0.06	34.74	27.91	20.3	0.235	1453.1
250.0	0.22	0.21	34.77	27.93	18.5	0.237	1454.0
260.0	0.30	0.29	34.80	27.95	17.0	0.239	1454.6
270.0	0.33	0.31	34.80	27.95	17.0	0.240	1454.9
280.0	0.41	0.39	34.82	27.96	16.0	0.242	1455.4
290.0	0.45	0.43	34.84	27.97	14.9	0.244	1455.8
300.0	0.50	0.49	34.85	27.98	14.3	0.245	1456.2
310.0	0.53	0.51	34.85	27.98	14.4	0.247	1456.5
320.0	0.56	0.55	34.86	27.99	13.8	0.248	1456.9
330.0	0.57	0.56	34.86	27.98	14.4	0.249	1457.1
340.0	0.60	0.59	34.87	27.99	13.3	0.251	1457.4
350.0	0.63	0.61	34.88	27.99	13.4	0.252	1457.7
370.0	0.65	0.63	34.88	27.99	13.1	0.255	1458.1
390.0	0.69	0.67	34.89	28.00	12.6	0.257	1458.6
410.0	0.64	0.62	34.89	28.00	12.2	0.260	1458.8
430.0	0.61	0.59	34.90	28.01	11.7	0.262	1458.9
450.0	0.57	0.55	34.90	28.02	11.0	0.265	1459.1
470.0	0.56	0.53	34.90	28.02	11.2	0.267	1459.4
490.0	0.50	0.48	34.91	28.02	10.2	0.269	1459.5
510.0	0.45	0.42	34.90	28.02	10.6	0.271	1459.5
530.0	0.41	0.39	34.90	28.02	10.4	0.273	1459.7
550.0	0.36	0.33	34.90	28.03	9.7	0.275	1459.8
570.0	0.30	0.27	34.90	28.03	9.3	0.277	1459.9
590.0	0.27	0.25	34.91	28.04	8.9	0.279	1460.1
610.0	0.23	0.20	34.91	28.04	8.4	0.281	1460.2
630.0	0.18	0.16	34.90	28.04	8.5	0.282	1460.3
650.0	0.14	0.11	34.91	28.04	8.1	0.284	1460.5
670.0	0.11	0.08	34.91	28.05	7.3	0.286	1460.7
690.0	0.09	0.06	34.90	28.04	7.9	0.287	1460.9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(PPT)
(DEG C)
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M1 68 -1
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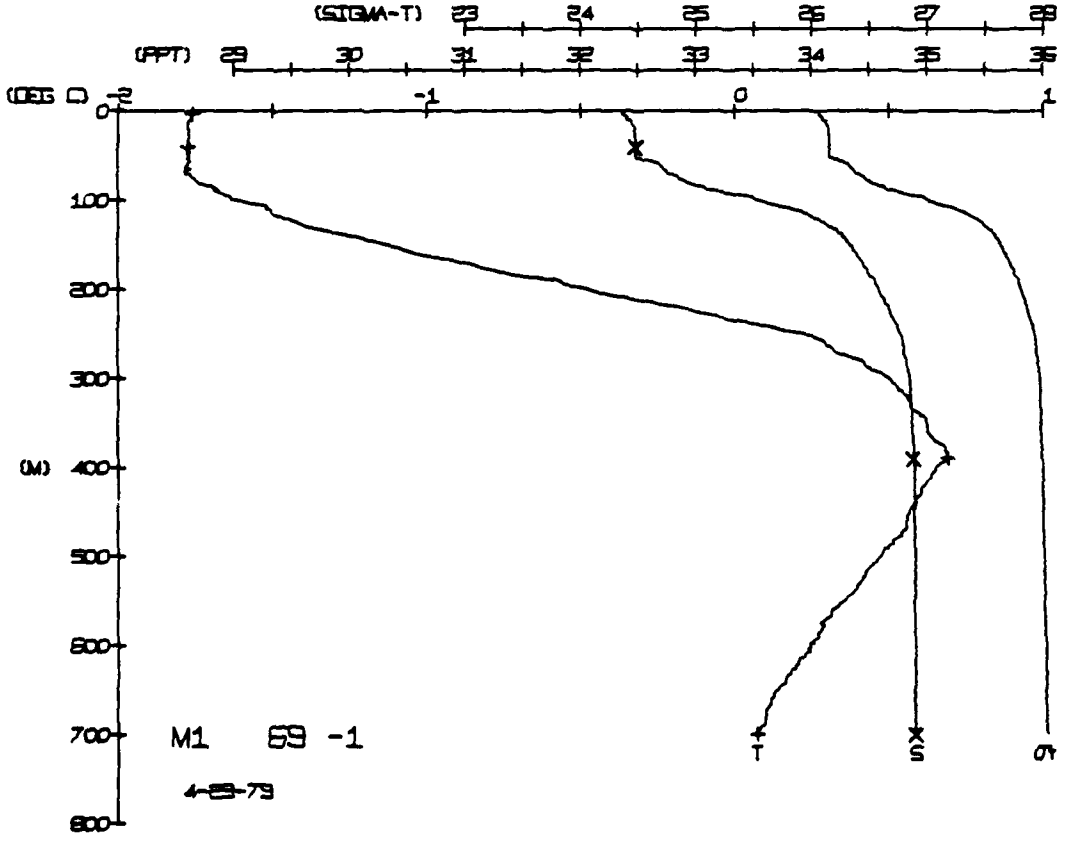
(SIGMA-T)
(PPT)
(DEG C)
(M)
M1 69 -1
4-29-79
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FRAM 1 STATION 70(1) CTD 30/APR/1979 715 GMT CODE = 1
LAT = 84 2029N LNG = 7 9559W LTER = 0. LGER = 0.
AIR TEMP = -22 1 BAROM = 1038 6 WIND = 335 0 SPEED = 4 0

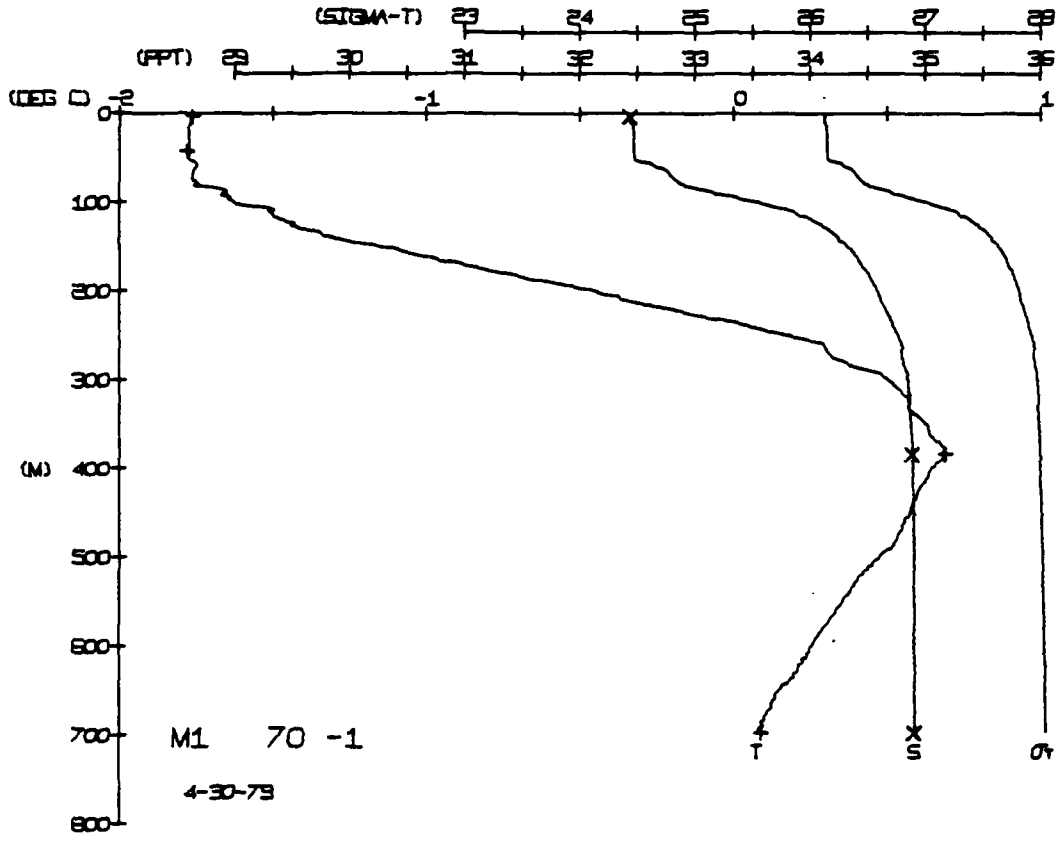
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.44	26.12	189.8	0.000	1437.4
3.3	-1.77	-1.77	32.44	26.12	189.8	0.006	1437.4
5.0	-1.77	-1.77	32.44	26.12	189.9	0.010	1437.4
10.0	-1.77	-1.77	32.43	26.12	190.2	0.019	1437.5
15.0	-1.77	-1.77	32.46	26.14	188.2	0.029	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.2	0.038	1437.7
25.0	-1.77	-1.77	32.47	26.15	187.3	0.048	1437.8
30.0	-1.77	-1.77	32.47	26.15	187.1	0.057	1437.9
35.0	-1.77	-1.77	32.47	26.15	187.3	0.066	1438.0
40.0	-1.77	-1.77	32.47	26.15	187.1	0.076	1438.0
45.0	-1.77	-1.77	32.47	26.15	187.0	0.085	1438.1
50.0	-1.77	-1.77	32.48	26.16	186.3	0.095	1438.2
55.0	-1.76	-1.76	32.56	26.22	180.0	0.104	1438.5
60.0	-1.75	-1.75	32.65	26.29	173.1	0.113	1438.7
65.0	-1.76	-1.76	32.75	26.37	165.7	0.121	1438.9
70.0	-1.76	-1.76	32.78	26.40	163.2	0.130	1439.0
80.0	-1.74	-1.74	32.89	26.49	154.3	0.146	1439.5
90.0	-1.66	-1.66	33.18	26.72	132.4	0.160	1440.4
100.0	-1.63	-1.63	33.53	27.00	106.1	0.172	1441.2
110.0	-1.51	-1.52	33.83	27.25	82.7	0.182	1442.4
120.0	-1.47	-1.47	34.02	27.39	68.6	0.189	1443.0
130.0	-1.40	-1.40	34.16	27.50	58.2	0.196	1443.7
140.0	-1.31	-1.32	34.24	27.57	52.0	0.201	1444.4
150.0	-1.16	-1.16	34.33	27.63	45.9	0.206	1445.4
160.0	-1.03	-1.03	34.40	27.68	41.2	0.210	1446.3
170.0	-0.88	-0.89	34.45	27.72	37.7	0.214	1447.2
180.0	-0.75	-0.75	34.50	27.76	34.2	0.218	1448.0
190.0	-0.59	-0.60	34.54	27.79	31.7	0.221	1449.0
200.0	-0.45	-0.46	34.58	27.81	29.3	0.225	1449.8
210.0	-0.36	-0.37	34.62	27.84	27.2	0.227	1450.5
220.0	-0.21	-0.22	34.66	27.86	24.6	0.230	1451.4
230.0	-0.09	-0.10	34.69	27.88	23.0	0.232	1452.2
240.0	0.05	0.05	34.72	27.90	21.2	0.235	1453.0
250.0	0.17	0.16	34.77	27.93	18.6	0.237	1453.8
260.0	0.30	0.28	34.79	27.94	17.4	0.238	1454.6
270.0	0.31	0.30	34.80	27.95	17.1	0.240	1454.8
280.0	0.37	0.36	34.81	27.95	16.7	0.242	1455.2
290.0	0.45	0.44	34.84	27.97	15.1	0.243	1455.8
300.0	0.51	0.49	34.85	27.98	14.4	0.245	1456.3
310.0	0.54	0.52	34.86	27.98	14.2	0.246	1456.6
320.0	0.57	0.55	34.86	27.99	13.8	0.248	1456.9
330.0	0.57	0.56	34.86	27.98	13.9	0.249	1457.1
340.0	0.60	0.58	34.87	27.99	13.4	0.251	1457.4
350.0	0.63	0.61	34.88	27.99	13.2	0.252	1457.7
370.0	0.67	0.65	34.89	28.00	12.5	0.255	1458.2
390.0	0.68	0.66	34.90	28.00	12.3	0.257	1458.6
410.0	0.63	0.62	34.90	28.01	12.0	0.260	1458.7
430.0	0.60	0.58	34.90	28.01	11.4	0.262	1458.9
450.0	0.57	0.55	34.90	28.01	11.3	0.264	1459.1
470.0	0.55	0.53	34.90	28.02	10.9	0.266	1459.3
490.0	0.51	0.49	34.91	28.03	10.1	0.269	1459.5
510.0	0.45	0.42	34.91	28.03	10.0	0.271	1459.5
530.0	0.39	0.37	34.91	28.03	9.8	0.273	1459.6
550.0	0.35	0.33	34.91	28.03	9.5	0.275	1459.8
570.0	0.31	0.29	34.92	28.04	8.5	0.276	1459.9
590.0	0.27	0.25	34.91	28.04	8.5	0.278	1460.1
610.0	0.24	0.21	34.91	28.04	8.5	0.280	1460.3
630.0	0.20	0.17	34.91	28.05	7.9	0.281	1460.4
650.0	0.15	0.12	34.91	28.04	8.0	0.283	1460.5
670.0	0.12.	0.09	34.91	28.05	7.5	0.285	1460.7
690.0	0.09	0.06	34.91	28.05	7.3	0.286	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.76	32.43
BOT NUM = 2	42.5	-1.78	
BOT NUM = 3	384.0	0.69	34.88
BOT NUM = 4	697.5	0.09	34.90

FRAM 1 STATION 71(1) CTD 30/APR/1979 1301 GMT CODE = 1
LAT = 84 1884N LNG = 7 9153W LTER = 4. LGER = 11.
AIR TEMP = -21 0 BAROM = 1037 7 WIND = 283 0 SPEED = 4.7

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.46	26.14	188.3	0.000	1437.4
3.0	-1.77	-1.77	32.46	26.14	188.3	0.006	1437.4
5.0	-1.77	-1.77	32.46	26.14	188.5	0.009	1437.5
10.0	-1.77	-1.77	32.45	26.13	189.2	0.019	1437.5
15.0	-1.77	-1.77	32.46	26.14	188.3	0.028	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.4	0.038	1437.7
25.0	-1.77	-1.77	32.47	26.14	187.7	0.047	1437.8
30.0	-1.77	-1.77	32.47	26.15	187.4	0.057	1437.9
35.0	-1.77	-1.77	32.47	26.14	187.6	0.066	1438.0
40.0	-1.77	-1.77	32.46	26.14	187.7	0.076	1438.0
45.0	-1.77	-1.77	32.46	26.14	187.9	0.085	1438.1
50.0	-1.77	-1.77	32.47	26.15	187.2	0.095	1438.2
55.0	-1.76	-1.76	32.52	26.19	183.3	0.104	1438.4
60.0	-1.75	-1.75	32.65	26.30	173.0	0.113	1438.7
65.0	-1.76	-1.76	32.73	26.36	167.1	0.122	1438.9
70.0	-1.77	-1.78	32.77	26.39	163.9	0.130	1439.0
80.0	-1.74	-1.74	32.91	26.51	152.9	0.146	1439.5
90.0	-1.64	-1.65	33.21	26.74	130.6	0.160	1440.5
100.0	-1.63	-1.63	33.56	27.03	103.1	0.172	1441.3
110.0	-1.47	-1.47	33.84	27.25	82.7	0.181	1442.6
120.0	-1.46	-1.47	34.03	27.40	67.7	0.189	1443.0
130.0	-1.39	-1.39	34.17	27.52	57.0	0.195	1443.7
140.0	-1.28	-1.28	34.26	27.58	50.8	0.201	1444.6
150.0	-1.14	-1.14	34.34	27.64	45.2	0.205	1445.5
160.0	-0.99	-0.99	34.40	27.69	40.7	0.210	1446.5
170.0	-0.87	-0.87	34.46	27.73	36.7	0.214	1447.3
180.0	-0.73	-0.74	34.50	27.76	34.1	0.217	1448.1
190.0	-0.59	-0.60	34.54	27.79	31.6	0.221	1449.0
200.0	-0.44	-0.44	34.59	27.82	29.0	0.224	1449.9
210.0	-0.34	-0.35	34.62	27.84	26.9	0.226	1450.6
220.0	-0.22	-0.23	34.66	27.86	24.7	0.229	1451.4
230.0	-0.08	-0.09	34.69	27.88	23.2	0.231	1452.2
240.0	0.06	0.05	34.73	27.91	20.7	0.234	1453.1
250.0	0.19	0.18	34.76	27.93	18.9	0.236	1453.9
260.0	0.28	0.27	34.79	27.94	17.3	0.237	1454.5
270.0	0.31	0.30	34.80	27.95	16.8	0.239	1454.8
280.0	0.37	0.36	34.82	27.96	16.1	0.241	1455.3
290.0	0.46	0.45	34.84	27.97	15.1	0.242	1455.9
300.0	0.51	0.49	34.85	27.97	14.8	0.244	1456.3
310.0	0.54	0.53	34.85	27.98	14.3	0.245	1456.6
320.0	0.56	0.55	34.86	27.99	13.8	0.247	1456.9
330.0	0.57	0.56	34.86	27.98	14.5	0.248	1457.1
340.0	0.59	0.57	34.87	27.99	13.4	0.250	1457.3
350.0	0.62	0.60	34.87	27.99	13.5	0.251	1457.6
370.0	0.67	0.65	34.89	28.00	13.0	0.254	1458.2
390.0	0.68	0.67	34.90	28.00	12.2	0.256	1458.6
410.0	0.63	0.61	34.89	28.01	12.1	0.259	1458.7
430.0	0.60	0.58	34.89	28.01	12.0	0.261	1458.9
450.0	0.58	0.56	34.90	28.01	11.3	0.263	1459.1
470.0	0.55	0.53	34.90	28.01	11.2	0.266	1459.3
490.0	0.50	0.48	34.90	28.02	11.0	0.268	1459.5
510.0	0.44	0.41	34.90	28.02	10.3	0.270	1459.5
530.0	0.39	0.36	34.90	28.03	9.8	0.272	1459.6
550.0	0.35	0.32	34.90	28.03	9.7	0.274	1459.7
570.0	0.30	0.28	34.91	28.04	9.0	0.276	1459.9
590.0	0.27	0.24	34.91	28.04	8.7	0.278	1460.1
610.0	0.22	0.20	34.90	28.04	8.7	0.280	1460.2
630.0	0.19	0.16	34.90	28.04	8.7	0.281	1460.4
650.0	0.14	0.11	34.91	28.04	8.0	0.283	1460.5
670.0	0.11	0.09	34.91	28.05	7.7	0.285	1460.7
690.0	0.07	0.04	34.91	28.05	7.6	0.286	1460.8

	DEPTH	TEMP	SALIN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(PPT)
(DEG C)
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M1 70 -1
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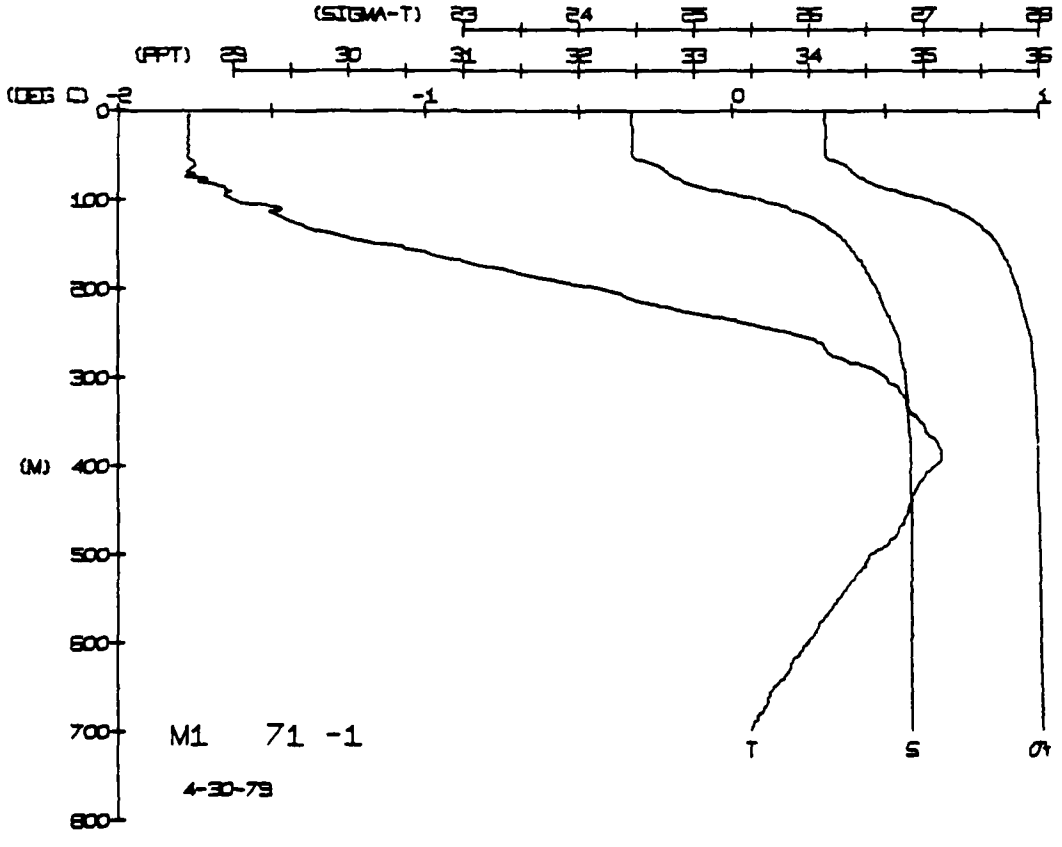
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(PPT)
(DEG C)
(M)
M1 71 -1
4-30-79
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FRAM 1 STATION 72(1) CTD 30/APR/1979 1912 GMT CODE = 1
LAT = 84 1739N LNG = 7 7871W LTER = 1. LGER = 1.
AIR TEMP = -21.0 BAROM = 1034.0 WIND = 283.0 SPEED = 4.7

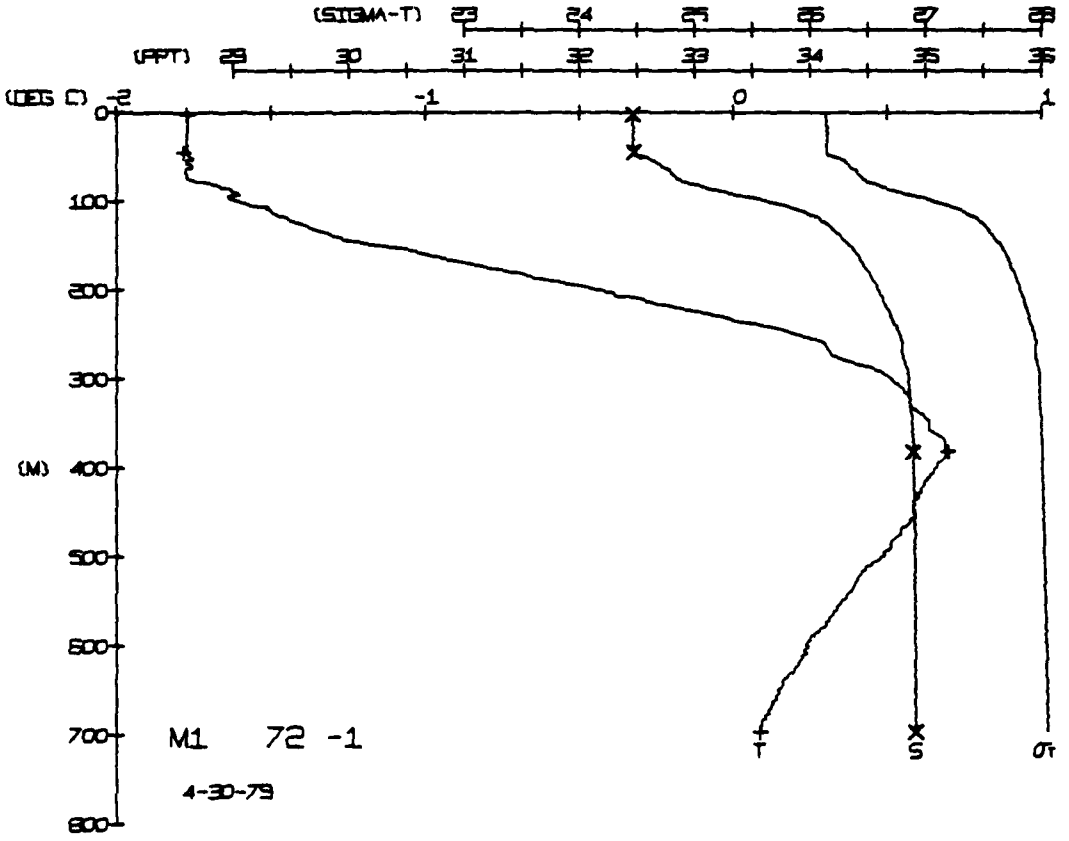
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.47	26.15	187.7	0.000	1437.4
3.0	-1.77	-1.77	32.47	26.15	187.7	0.006	1437.4
5.0	-1.77	-1.77	32.46	26.14	188.1	0.009	1437.5
10.0	-1.77	-1.77	32.47	26.15	187.5	0.019	1437.6
15.0	-1.77	-1.77	32.46	26.14	188.2	0.028	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.4	0.038	1437.7
25.0	-1.77	-1.77	32.47	26.15	187.6	0.047	1437.8
30.0	-1.77	-1.77	32.47	26.14	187.7	0.057	1437.9
35.0	-1.77	-1.77	32.47	26.14	187.5	0.066	1438.0
40.0	-1.77	-1.77	32.47	26.15	187.3	0.076	1438.0
45.0	-1.77	-1.77	32.47	26.15	187.2	0.085	1438.1
50.0	-1.77	-1.77	32.49	26.16	186.0	0.094	1438.2
55.0	-1.77	-1.77	32.62	26.27	175.4	0.104	1438.5
60.0	-1.76	-1.76	32.69	26.33	170.1	0.112	1438.7
65.0	-1.78	-1.78	32.74	26.37	166.0	0.121	1438.8
70.0	-1.78	-1.78	32.80	26.41	161.9	0.129	1439.0
80.0	-1.71	-1.72	32.91	26.50	153.2	0.145	1439.6
90.0	-1.63	-1.63	33.20	26.74	131.1	0.159	1440.6
100.0	-1.62	-1.62	33.57	27.04	102.5	0.171	1441.3
110.0	-1.51	-1.51	33.86	27.27	80.5	0.180	1442.4
120.0	-1.45	-1.46	34.07	27.43	65.0	0.188	1443.1
130.0	-1.38	-1.38	34.17	27.51	57.4	0.194	1443.8
140.0	-1.30	-1.30	34.25	27.58	51.2	0.199	1444.5
150.0	-1.18	-1.19	34.33	27.64	45.3	0.204	1445.3
160.0	-1.01	-1.01	34.40	27.68	41.3	0.208	1446.3
170.0	-0.89	-0.89	34.45	27.72	37.6	0.212	1447.2
180.0	-0.74	-0.75	34.50	27.76	34.5	0.216	1448.1
190.0	-0.61	-0.61	34.54	27.78	32.1	0.219	1448.9
200.0	-0.46	-0.46	34.59	27.81	29.1	0.222	1449.8
210.0	-0.33	-0.34	34.63	27.84	26.7	0.225	1450.6
220.0	-0.21	-0.22	34.66	27.86	24.8	0.228	1451.4
230.0	-0.07	-0.08	34.69	27.88	22.9	0.230	1452.3
240.0	0.07	0.06	34.73	27.90	21.0	0.233	1453.1
250.0	0.19	0.18	34.76	27.92	19.3	0.235	1453.9
260.0	0.29	0.28	34.79	27.94	17.4	0.236	1454.5
270.0	0.31	0.30	34.79	27.94	17.7	0.238	1454.8
280.0	0.36	0.35	34.81	27.95	16.6	0.240	1455.2
290.0	0.46	0.44	34.84	27.97	15.0	0.242	1455.8
300.0	0.51	0.49	34.85	27.98	14.4	0.243	1456.3
310.0	0.54	0.53	34.86	27.98	14.1	0.244	1456.6
320.0	0.56	0.55	34.86	27.98	14.0	0.246	1456.9
330.0	0.57	0.56	34.87	27.99	13.8	0.247	1457.1
340.0	0.61	0.59	34.87	27.99	13.4	0.249	1457.4
350.0	0.63	0.62	34.88	27.99	13.2	0.250	1457.7
370.0	0.68	0.67	34.89	28.00	12.5	0.253	1458.3
390.0	0.68	0.67	34.89	28.00	13.0	0.255	1458.6
410.0	0.64	0.62	34.89	28.00	12.1	0.258	1458.7
430.0	0.60	0.58	34.89	28.01	12.0	0.260	1458.9
450.0	0.58	0.56	34.90	28.01	11.6	0.263	1459.1
470.0	0.54	0.52	34.90	28.02	11.1	0.265	1459.3
490.0	0.51	0.49	34.91	28.02	10.2	0.267	1459.5
510.0	0.45	0.42	34.90	28.02	10.2	0.269	1459.5
530.0	0.40	0.37	34.91	28.03	9.8	0.271	1459.7
550.0	0.35	0.33	34.91	28.03	9.3	0.273	1459.8
570.0	0.31	0.29	34.90	28.03	9.3	0.275	1459.9
590.0	0.26	0.23	34.91	28.04	8.6	0.277	1460.0
610.0	0.23	0.20	34.91	28.04	8.7	0.278	1460.2
630.0	0.19	0.17	34.91	28.04	8.3	0.280	1460.4
650.0	0.15	0.12	34.91	28.04	8.1	0.282	1460.5
670.0	0.12	0.09	34.90	28.04	8.2	0.283	1460.7
690.0	0.09	0.06	34.90	28.04	7.8	0.285	1460.9
696.9	0.08	0.05	34.90	28.04	7.8	0.286	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.77	32.46
BOT NUM = 2	45.7	-1.78	32.47
BOT NUM = 3	383.2	0.69	34.88
BOT NUM = 4	697.7	0.09	34.90

FRAM 1 STATION 73(1) CTD 1/MAY/1979 707 GMT CODE = 1
LAT = 84 1424N LNG = 7 5361W LTER = 0. LGER = 1.
AIR TEMP = -18.9 BAROM = 1026.5 WIND = 300.0 SPEED = 7.2

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.47	26.14	187.9	0.000	1437.4
3.1	-1.77	-1.77	32.47	26.14	187.9	0.006	1437.4
5.0	-1.77	-1.77	32.47	26.15	187.3	0.009	1437.5
10.0	-1.77	-1.77	32.47	26.15	187.4	0.019	1437.6
15.0	-1.77	-1.77	32.47	26.15	187.2	0.028	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.2	0.038	1437.7
25.0	-1.77	-1.77	32.48	26.15	186.9	0.047	1437.8
30.0	-1.77	-1.77	32.48	26.15	186.7	0.057	1437.9
35.0	-1.77	-1.77	32.48	26.16	186.2	0.066	1438.0
40.0	-1.77	-1.77	32.48	26.16	186.3	0.075	1438.1
45.0	-1.77	-1.77	32.49	26.16	186.2	0.085	1438.2
50.0	-1.78	-1.78	32.53	26.20	182.2	0.094	1438.3
55.0	-1.78	-1.78	32.60	26.25	177.3	0.103	1438.5
60.0	-1.78	-1.78	32.69	26.32	170.2	0.112	1438.6
65.0	-1.77	-1.77	32.77	26.39	164.2	0.120	1438.9
70.0	-1.78	-1.78	32.81	26.42	161.0	0.128	1439.0
80.0	-1.76	-1.77	32.89	26.49	154.5	0.144	1439.3
90.0	-1.65	-1.65	33.16	26.70	134.2	0.159	1440.4
100.0	-1.61	-1.62	33.51	26.98	107.6	0.171	1441.3
110.0	-1.50	-1.50	33.84	27.25	82.0	0.181	1442.4
120.0	-1.48	-1.48	34.02	27.40	68.2	0.188	1443.0
130.0	-1.40	-1.40	34.15	27.50	58.8	0.195	1443.7
140.0	-1.30	-1.30	34.25	27.58	51.2	0.200	1444.4
150.0	-1.19	-1.19	34.32	27.63	46.1	0.205	1445.2
160.0	-1.06	-1.07	34.39	27.68	41.6	0.209	1446.1
170.0	-0.88	-0.89	34.44	27.72	38.3	0.214	1447.2
180.0	-0.77	-0.77	34.49	27.75	35.2	0.217	1447.9
190.0	-0.65	-0.66	34.53	27.78	32.7	0.221	1448.7
200.0	-0.49	-0.50	34.57	27.80	30.0	0.224	1449.7
210.0	-0.37	-0.38	34.61	27.83	27.7	0.227	1450.4
220.0	-0.22	-0.22	34.65	27.86	25.4	0.229	1451.4
230.0	-0.09	-0.10	34.69	27.88	23.3	0.232	1452.1
240.0	0.06	0.05	34.73	27.90	21.0	0.234	1453.1
250.0	0.19	0.18	34.77	27.93	18.8	0.236	1453.9
260.0	0.29	0.28	34.79	27.94	17.5	0.238	1454.5
270.0	0.31	0.30	34.80	27.95	17.0	0.240	1454.8
280.0	0.37	0.36	34.81	27.95	16.6	0.241	1455.3
290.0	0.46	0.45	34.81	27.97	15.1	0.243	1455.9
300.0	0.51	0.50	34.85	27.98	14.2	0.244	1456.3
310.0	0.54	0.52	34.85	27.98	14.4	0.246	1456.6
320.0	0.56	0.55	34.86	27.98	14.0	0.247	1456.9
330.0	0.57	0.56	34.86	27.98	13.9	0.249	1457.1
340.0	0.60	0.59	34.87	27.99	13.6	0.250	1457.4
350.0	0.63	0.61	34.89	27.99	13.0	0.251	1457.7
370.0	0.67	0.65	34.89	28.00	13.0	0.254	1458.2
390.0	0.69	0.67	34.89	28.00	12.7	0.257	1458.6
410.0	0.64	0.62	34.89	28.01	12.1	0.259	1458.7
430.0	0.60	0.58	34.90	28.01	11.9	0.262	1458.9
450.0	0.58	0.56	34.90	28.01	11.5	0.264	1459.1
470.0	0.55	0.53	34.90	28.02	10.9	0.266	1459.3
490.0	0.51	0.49	34.91	28.02	10.2	0.268	1459.5
510.0	0.47	0.45	34.91	28.02	10.2	0.270	1459.6
530.0	0.41	0.39	34.91	28.03	9.7	0.272	1459.7
550.0	0.36	0.33	34.90	28.03	9.8	0.274	1459.8
570.0	0.32	0.29	34.90	28.03	9.3	0.276	1459.9
590.0	0.27	0.25	34.90	28.03	9.1	0.278	1460.1
610.0	0.22	0.20	34.91	28.04	8.2	0.280	1460.2
630.0	0.18	0.16	34.91	28.04	8.2	0.282	1460.3
650.0	0.16	0.13	34.91	28.04	8.2	0.283	1460.6
670.0	0.12	0.09	34.91	28.04	7.9	0.285	1460.7
690.0	0.10	0.07	34.91	28.05	7.3	0.286	1461.0
697.4	0.08	0.05	34.91	28.05	7.2	0.287	1461.0

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4		32.47
BOT NUM = 2	40.2	-1.78	
BOT NUM = 3	418.6	0.63	34.88
BOT NUM = 4	698.2	0.09	34.90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(M) 400
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700
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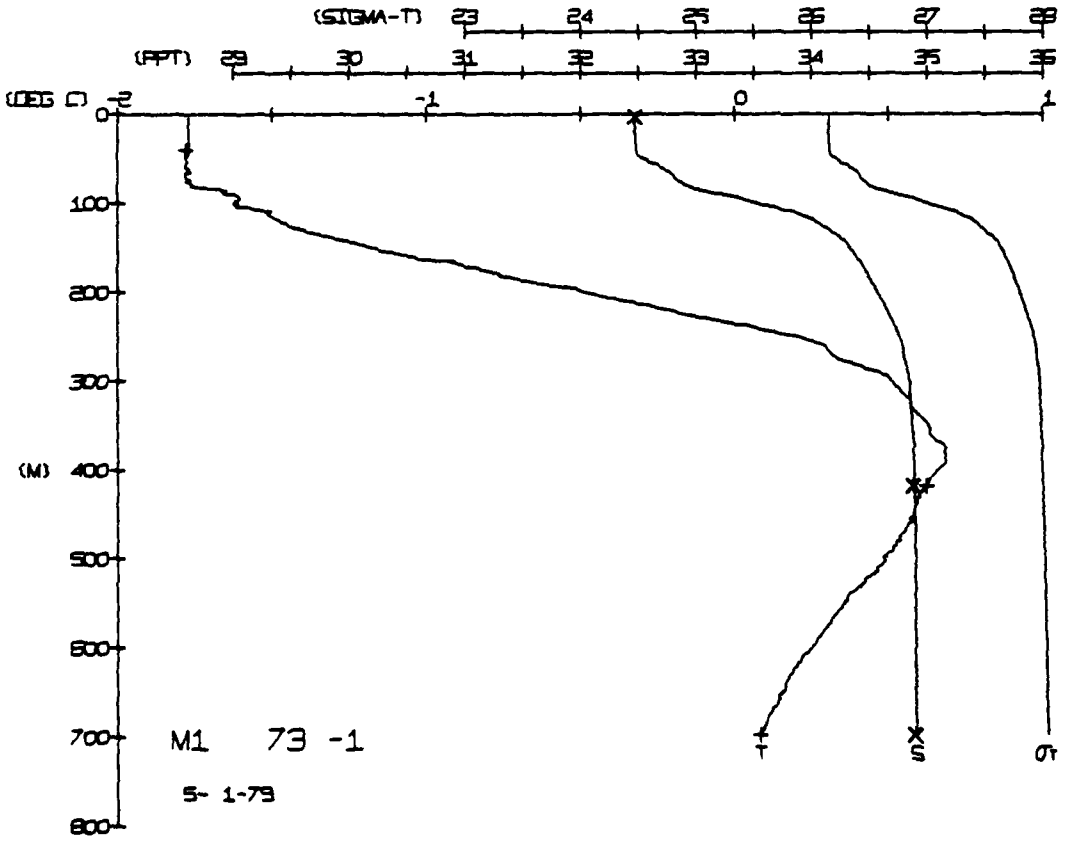
T
S
σT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(DEG C) -2 -1 0 1
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100
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M1 73 -1
5- 1-79
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FRAM 1 STATION 74(1) CTD 1/MAY/1979 1254 GMT CODE = 1
LAT = 84 1204N LNG = 7 3998W LTER = 0 LGER = 0
AIR TEMP = -18.9 BAROM = 1025.2 WIND = 300.0 SPEED = 7.2

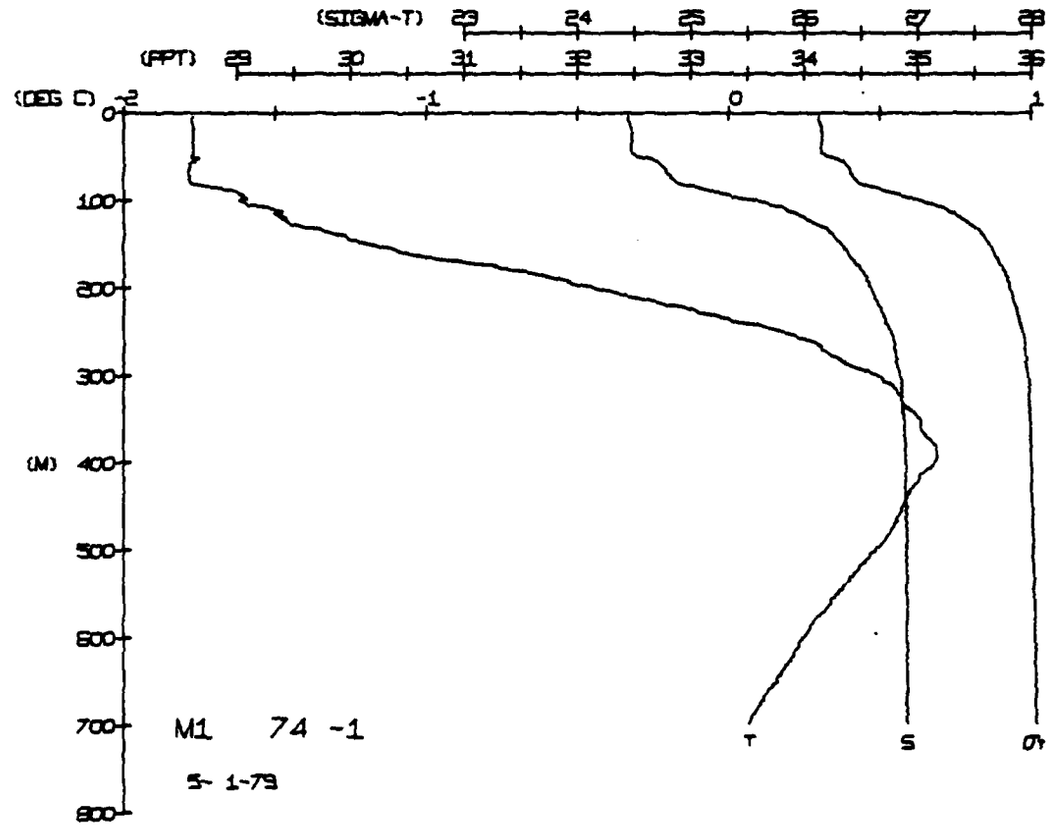
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.45	26.13	188.8	0.000	1437.4
3.1	-1.77	-1.77	32.45	26.13	188.8	0.006	1437.4
5.0	-1.77	-1.77	32.45	26.13	189.3	0.010	1437.4
10.0	-1.77	-1.78	32.46	26.14	188.3	0.019	1437.5
15.0	-1.77	-1.77	32.47	26.15	187.3	0.028	1437.6
20.0	-1.77	-1.77	32.47	26.15	187.2	0.038	1437.7
25.0	-1.77	-1.77	32.48	26.15	186.8	0.047	1437.8
30.0	-1.77	-1.77	32.48	26.16	186.4	0.057	1437.9
35.0	-1.77	-1.77	32.48	26.15	186.7	0.066	1438.0
40.0	-1.77	-1.77	32.48	26.15	186.6	0.076	1438.1
45.0	-1.77	-1.77	32.48	26.15	186.8	0.085	1438.1
50.0	-1.77	-1.78	32.53	26.20	182.2	0.094	1438.3
55.0	-1.77	-1.77	32.66	26.31	172.1	0.103	1438.6
60.0	-1.79	-1.79	32.73	26.36	166.8	0.112	1438.7
65.0	-1.79	-1.79	32.78	26.40	163.3	0.120	1438.8
70.0	-1.79	-1.79	32.80	26.42	161.5	0.128	1438.9
80.0	-1.78	-1.78	32.88	26.48	155.2	0.144	1439.3
90.0	-1.63	-1.63	33.19	26.73	131.9	0.159	1440.6
100.0	-1.62	-1.63	33.55	27.02	104.5	0.171	1441.3
110.0	-1.51	-1.51	33.83	27.24	83.2	0.180	1442.4
120.0	-1.46	-1.46	34.01	27.37	69.5	0.188	1443.0
130.0	-1.41	-1.42	34.15	27.50	58.9	0.194	1443.6
140.0	-1.29	-1.29	34.26	27.58	50.9	0.200	1444.5
150.0	-1.19	-1.20	34.32	27.63	46.2	0.205	1445.2
160.0	-1.07	-1.08	34.38	27.68	41.9	0.209	1446.0
170.0	-0.90	-0.91	34.44	27.72	38.2	0.213	1447.1
180.0	-0.72	-0.73	34.50	27.76	34.4	0.217	1448.1
190.0	-0.57	-0.58	34.54	27.79	31.7	0.220	1449.1
200.0	-0.44	-0.45	34.58	27.81	29.3	0.223	1449.9
210.0	-0.34	-0.34	34.61	27.83	27.7	0.226	1450.6
220.0	-0.20	-0.20	34.65	27.86	25.1	0.229	1451.5
230.0	-0.08	-0.09	34.68	27.88	23.5	0.231	1452.2
240.0	0.03	0.03	34.72	27.90	21.2	0.233	1452.9
250.0	0.17	0.16	34.76	27.92	19.2	0.235	1453.8
260.0	0.26	0.25	34.78	27.94	18.1	0.237	1454.4
270.0	0.31	0.30	34.79	27.94	17.4	0.239	1454.8
280.0	0.35	0.34	34.80	27.95	16.9	0.241	1455.2
290.0	0.41	0.40	34.82	27.96	16.1	0.243	1455.6
300.0	0.49	0.47	34.85	27.98	14.6	0.244	1456.2
310.0	0.53	0.51	34.85	27.98	14.6	0.246	1456.5
320.0	0.55	0.54	34.86	27.98	14.1	0.247	1456.8
330.0	0.57	0.56	34.87	27.99	13.7	0.248	1457.1
340.0	0.60	0.58	34.87	27.99	13.3	0.250	1457.4
350.0	0.63	0.61	34.88	27.99	13.3	0.251	1457.7
370.0	0.65	0.64	34.88	28.00	13.0	0.254	1458.1
390.0	0.69	0.67	34.89	28.00	12.8	0.256	1458.6
410.0	0.65	0.63	34.89	28.00	12.3	0.259	1458.8
430.0	0.61	0.59	34.89	28.01	12.0	0.261	1458.9
450.0	0.57	0.55	34.90	28.01	11.4	0.264	1459.1
470.0	0.55	0.53	34.91	28.02	10.7	0.266	1459.3
490.0	0.51	0.49	34.90	28.02	10.7	0.268	1459.5
510.0	0.46	0.44	34.90	28.02	10.4	0.270	1459.6
530.0	0.40	0.38	34.91	28.03	9.8	0.272	1459.7
550.0	0.36	0.33	34.91	28.03	9.2	0.274	1459.8
570.0	0.32	0.29	34.90	28.03	9.6	0.276	1459.9
590.0	0.27	0.24	34.90	28.03	9.2	0.278	1460.1
610.0	0.23	0.20	34.90	28.04	8.9	0.280	1460.2
630.0	0.20	0.17	34.90	28.04	8.7	0.282	1460.4
650.0	0.16	0.13	34.91	28.04	8.0	0.283	1460.6
670.0	0.12	0.09	34.91	28.04	7.9	0.285	1460.7
690.0	0.08	0.05	34.91	28.05	7.2	0.287	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.76	
BOT NUM = 2	38.0	-1.77	32.48
BOT NUM = 3	385.7	0.67	
BOT NUM = 4	703.4	0.07	

FRAM 1 STATION 75(1) CTD 1/MAY/1979 1900 GMT CODE = 1
LAT = 84 0991N LNG = 7 3065W LTER = 1 LGER = 2
AIR TEMP = BAROM = 1024.5 WIND = 303.0 SPEED = 5.1

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	32.37	26.07	195.3	0.000	1437.3
3.1	-1.76	-1.76	32.37	26.07	195.3	0.006	1437.3
5.0	-1.77	-1.77	32.38	26.07	194.7	0.010	1437.4
10.0	-1.77	-1.77	32.39	26.08	193.6	0.020	1437.5
15.0	-1.77	-1.77	32.42	26.10	191.5	0.029	1437.6
20.0	-1.77	-1.77	32.45	26.13	189.0	0.039	1437.7
25.0	-1.77	-1.77	32.46	26.14	188.0	0.048	1437.8
30.0	-1.77	-1.77	32.46	26.14	187.8	0.058	1437.9
35.0	-1.76	-1.77	32.48	26.16	186.5	0.067	1438.0
40.0	-1.76	-1.76	32.48	26.16	186.3	0.077	1438.1
45.0	-1.76	-1.77	32.50	26.17	184.8	0.086	1438.2
50.0	-1.77	-1.77	32.60	26.25	177.3	0.095	1438.4
55.0	-1.78	-1.78	32.69	26.33	170.2	0.104	1438.6
60.0	-1.79	-1.79	32.75	26.38	165.2	0.112	1438.7
65.0	-1.79	-1.79	32.78	26.40	162.9	0.121	1438.8
70.0	-1.79	-1.79	32.81	26.42	160.7	0.129	1438.9
80.0	-1.78	-1.79	32.88	26.48	155.7	0.145	1439.2
90.0	-1.71	-1.71	33.07	26.63	141.2	0.160	1440.0
100.0	-1.63	-1.63	33.56	27.03	103.5	0.172	1441.3
110.0	-1.52	-1.52	33.84	27.25	82.4	0.181	1442.4
120.0	-1.46	-1.46	34.01	27.39	69.4	0.189	1443.0
130.0	-1.42	-1.43	34.14	27.49	59.6	0.196	1443.5
140.0	-1.31	-1.32	34.24	27.57	52.2	0.201	1444.4
150.0	-1.18	-1.19	34.32	27.63	46.2	0.206	1445.3
160.0	-1.04	-1.05	34.38	27.68	41.9	0.211	1446.2
170.0	-0.93	-0.94	34.44	27.71	38.4	0.215	1446.9
180.0	-0.78	-0.79	34.49	27.75	34.8	0.218	1447.8
190.0	-0.59	-0.60	34.55	27.79	31.4	0.222	1449.0
200.0	-0.45	-0.45	34.59	27.82	29.1	0.225	1449.9
210.0	-0.32	-0.32	34.62	27.84	26.9	0.228	1450.7
220.0	-0.21	-0.22	34.65	27.86	25.1	0.230	1451.4
230.0	-0.08	-0.09	34.69	27.88	22.8	0.233	1452.2
240.0	0.03	0.02	34.72	27.90	21.4	0.235	1452.9
250.0	0.17	0.16	34.76	27.92	19.5	0.237	1453.8
260.0	0.28	0.27	34.79	27.94	17.7	0.239	1454.5
270.0	0.32	0.31	34.80	27.94	17.4	0.241	1454.8
280.0	0.34	0.33	34.80	27.94	17.4	0.242	1455.1
290.0	0.44	0.43	34.83	27.97	15.3	0.244	1455.8
300.0	0.51	0.49	34.85	27.98	14.6	0.245	1456.2
310.0	0.53	0.52	34.85	27.98	14.3	0.247	1456.5
320.0	0.56	0.55	34.86	27.98	14.1	0.248	1456.9
330.0	0.57	0.56	34.86	27.98	14.0	0.250	1457.1
340.0	0.59	0.57	34.86	27.98	14.1	0.251	1457.3
350.0	0.62	0.60	34.87	27.99	13.5	0.253	1457.6
370.0	0.64	0.62	34.88	28.00	12.9	0.255	1458.1
390.0	0.68	0.67	34.89	28.00	12.6	0.258	1458.6
410.0	0.63	0.61	34.89	28.00	12.3	0.260	1458.7
430.0	0.59	0.57	34.89	28.01	12.0	0.263	1458.8
450.0	0.57	0.55	34.89	28.01	11.8	0.265	1459.1
470.0	0.53	0.51	34.90	28.01	11.2	0.268	1459.3
490.0	0.49	0.46	34.91	28.02	10.4	0.270	1459.4
510.0	0.45	0.42	34.90	28.02	10.4	0.272	1459.5
530.0	0.41	0.38	34.91	28.03	9.5	0.274	1459.7
550.0	0.36	0.33	34.91	28.03	9.3	0.276	1459.8
570.0	0.31	0.28	34.91	28.03	9.1	0.278	1459.9
590.0	0.27	0.25	34.91	28.04	9.0	0.279	1460.1
610.0	0.23	0.21	34.91	28.04	8.6	0.281	1460.2
630.0	0.19	0.17	34.90	28.04	8.6	0.283	1460.4
650.0	0.15	0.12	34.91	28.05	7.8	0.285	1460.5
670.0	0.12	0.09	34.91	28.04	7.9	0.286	1460.7
690.0	0.10	0.07	34.91	28.05	7.7	0.288	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.76	
BOT NUM = 2	38.0	-1.77	32.48
BOT NUM = 3	385.7	0.67	
BOT NUM = 4	703.4	0.07	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(DEG C) -2 -1 0 1
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(M) 400
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M1 74 -1
5- 1-79
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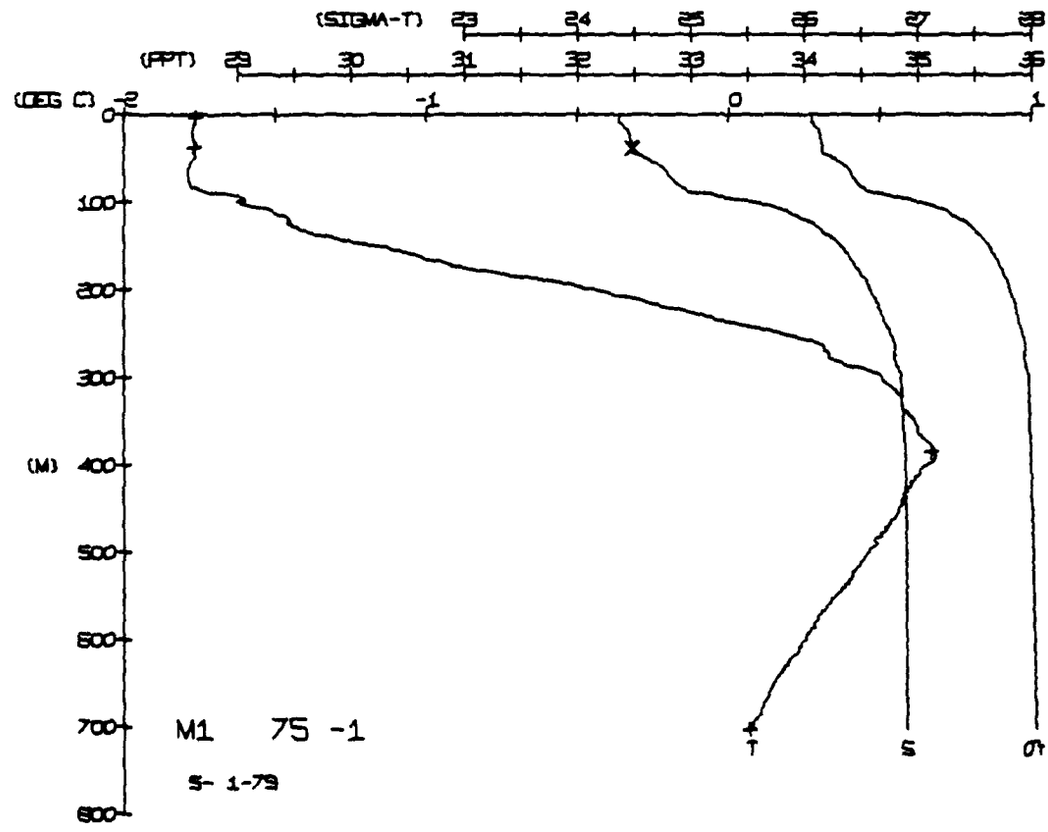
(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
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(M) 400
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FRAM 1 STATION 76(1) CTD 2/MAY/1979 726 GMT CODE = 1
LAT = 84.0644N LNG = 7.2461W LTER = 1. LGER = 1.
AIR TEMP = BAROM = 1027.9 WIND = 303.0 SPEED = 5.1

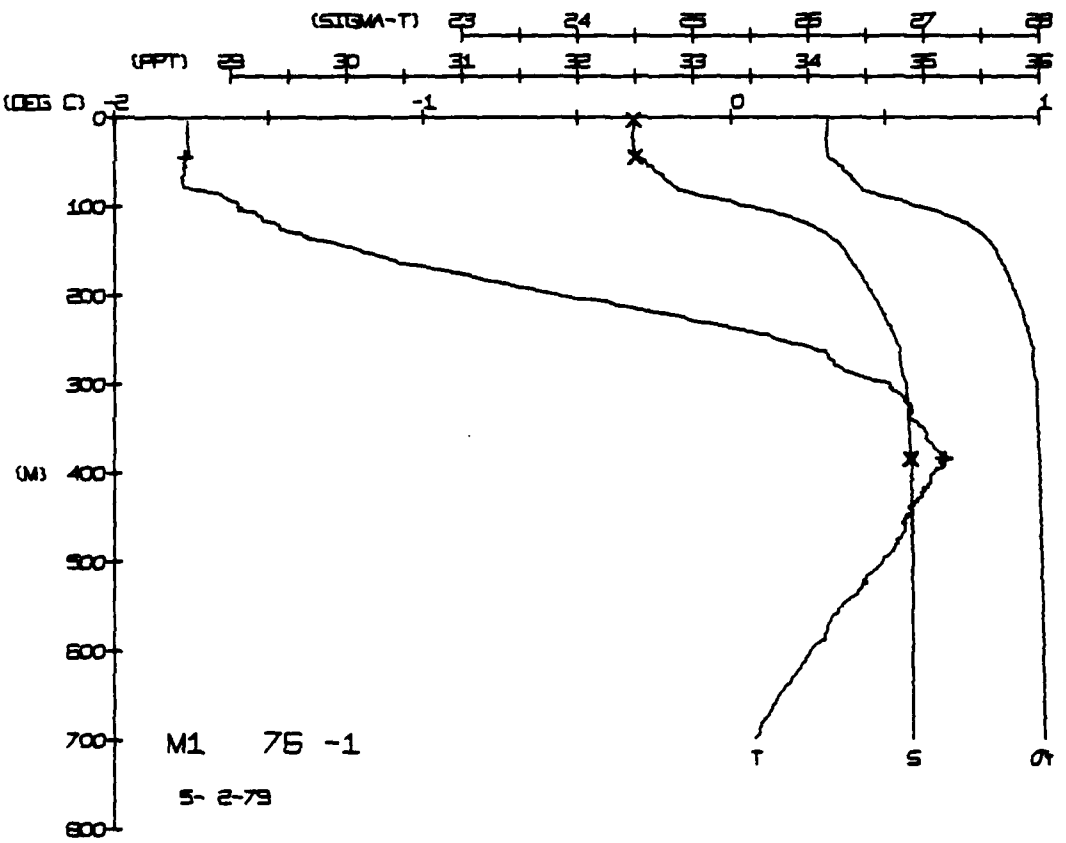
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.49	26.16	186.1	0.000	1437.5
3.0	-1.77	-1.77	32.49	26.16	186.1	0.006	1437.5
5.0	-1.76	-1.77	32.49	26.16	186.2	0.009	1437.5
10.0	-1.76	-1.76	32.48	26.16	186.5	0.019	1437.6
15.0	-1.76	-1.76	32.48	26.16	186.5	0.028	1437.7
20.0	-1.76	-1.76	32.48	26.16	186.3	0.038	1437.8
25.0	-1.76	-1.76	32.49	26.16	186.1	0.047	1437.9
30.0	-1.76	-1.76	32.49	26.16	186.0	0.056	1437.9
35.0	-1.76	-1.76	32.50	26.17	185.3	0.066	1438.1
40.0	-1.76	-1.76	32.50	26.17	185.3	0.075	1438.1
45.0	-1.76	-1.76	32.49	26.16	185.7	0.084	1438.2
50.0	-1.77	-1.77	32.57	26.23	179.3	0.093	1438.4
55.0	-1.77	-1.77	32.62	26.27	175.4	0.102	1438.5
60.0	-1.78	-1.78	32.67	26.31	171.6	0.111	1438.6
65.0	-1.78	-1.78	32.72	26.35	167.5	0.120	1438.8
70.0	-1.78	-1.78	32.76	26.38	164.9	0.128	1438.9
80.0	-1.77	-1.77	32.85	26.46	157.4	0.144	1439.3
90.0	-1.65	-1.65	33.10	26.66	138.7	0.159	1440.3
100.0	-1.60	-1.60	33.42	26.91	114.4	0.172	1441.2
110.0	-1.54	-1.54	33.76	27.19	88.1	0.182	1442.1
120.0	-1.48	-1.48	33.99	27.37	70.8	0.190	1442.9
130.0	-1.43	-1.44	34.13	27.48	60.0	0.197	1443.5
140.0	-1.32	-1.32	34.24	27.57	51.9	0.202	1444.3
150.0	-1.21	-1.21	34.32	27.63	46.3	0.207	1445.1
160.0	-1.11	-1.12	34.36	27.66	43.8	0.212	1445.8
170.0	-0.98	-0.98	34.41	27.70	39.9	0.216	1446.7
180.0	-0.84	-0.85	34.47	27.74	36.4	0.220	1447.5
190.0	-0.71	-0.71	34.51	27.76	33.8	0.224	1448.4
200.0	-0.57	-0.57	34.55	27.79	31.0	0.227	1449.3
210.0	-0.39	-0.40	34.60	27.82	28.3	0.230	1450.3
220.0	-0.25	-0.26	34.65	27.85	25.5	0.233	1451.2
230.0	-0.12	-0.13	34.68	27.87	23.8	0.235	1452.0
240.0	0.04	0.03	34.71	27.89	21.8	0.237	1452.9
250.0	0.14	0.13	34.75	27.92	19.7	0.240	1453.6
260.0	0.25	0.24	34.78	27.94	18.0	0.241	1454.4
270.0	0.31	0.30	34.80	27.95	17.2	0.243	1454.8
280.0	0.34	0.33	34.80	27.95	17.1	0.245	1455.1
290.0	0.41	0.39	34.82	27.96	16.1	0.247	1455.6
300.0	0.50	0.49	34.84	27.97	14.8	0.248	1456.2
310.0	0.54	0.52	34.85	27.98	14.5	0.250	1456.6
320.0	0.56	0.55	34.86	27.98	14.4	0.251	1456.9
330.0	0.59	0.57	34.86	27.98	14.6	0.253	1457.1
340.0	0.58	0.57	34.87	27.99	13.8	0.254	1457.3
350.0	0.62	0.61	34.87	27.99	13.5	0.255	1457.6
370.0	0.66	0.64	34.88	27.99	13.1	0.258	1458.1
390.0	0.68	0.66	34.90	28.00	12.3	0.261	1458.6
410.0	0.65	0.63	34.89	28.00	12.7	0.263	1458.8
430.0	0.60	0.58	34.90	28.01	11.6	0.266	1458.9
450.0	0.57	0.55	34.90	28.01	11.7	0.268	1459.1
470.0	0.55	0.53	34.90	28.01	11.2	0.270	1459.4
490.0	0.52	0.50	34.91	28.02	10.6	0.272	1459.5
510.0	0.47	0.44	34.90	28.02	10.4	0.275	1459.6
530.0	0.42	0.40	34.90	28.02	10.2	0.277	1459.7
550.0	0.36	0.33	34.90	28.03	9.6	0.279	1459.8
570.0	0.32	0.29	34.91	28.03	9.3	0.281	1460.0
590.0	0.29	0.26	34.91	28.04	8.9	0.282	1460.2
610.0	0.24	0.21	34.91	28.04	8.5	0.284	1460.3
630.0	0.20	0.17	34.91	28.04	8.3	0.286	1460.4
650.0	0.16	0.13	34.91	28.04	8.1	0.288	1460.6
670.0	0.12	0.09	34.91	28.05	7.7	0.289	1460.7
690.0	0.09	0.06	34.91	28.05	7.2	0.291	1460.9
699.2	0.08	0.05	34.91	28.05	7.3	0.291	1461.1

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4		32.48
BOT NUM = 2	45.6	-1.77	32.49
BOT NUM = 3	384.1	0.69	34.88
BOT NUM = 4	384.9	0.69	34.89

FRAM 1 STATION 77(1) CTD 2/MAY/1979 1338 GMT CODE = 1
LAT = 84.0390N LNG = 7.2701W LTER = 0. LGER = 0.
AIR TEMP = -15.4 BAROM = 1032.9 WIND = 343.0 SPEED = 7.3

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	32.48	26.15	187.1	0.000	1437.4
3.1	-1.76	-1.76	32.48	26.15	187.1	0.006	1437.5
5.0	-1.76	-1.76	32.48	26.15	187.1	0.009	1437.5
10.0	-1.76	-1.76	32.47	26.15	187.6	0.019	1437.6
15.0	-1.77	-1.77	32.48	26.15	187.0	0.028	1437.7
20.0	-1.77	-1.77	32.48	26.15	186.9	0.038	1437.8
25.0	-1.77	-1.77	32.48	26.15	186.7	0.047	1437.8
30.0	-1.77	-1.77	32.48	26.16	186.4	0.056	1437.9
35.0	-1.77	-1.77	32.48	26.16	186.4	0.066	1438.0
40.0	-1.77	-1.77	32.49	26.16	185.9	0.075	1438.1
45.0	-1.77	-1.77	32.50	26.17	184.8	0.085	1438.2
50.0	-1.77	-1.78	32.53	26.19	182.8	0.094	1438.3
55.0	-1.77	-1.77	32.58	26.24	178.5	0.103	1438.5
60.0	-1.77	-1.77	32.64	26.28	174.3	0.112	1438.6
65.0	-1.78	-1.78	32.75	26.37	165.6	0.120	1438.8
70.0	-1.78	-1.78	32.78	26.40	162.7	0.129	1439.0
80.0	-1.76	-1.77	32.87	26.47	156.0	0.145	1439.3
90.0	-1.64	-1.64	33.14	26.69	135.4	0.159	1440.5
100.0	-1.62	-1.62	33.55	27.02	104.5	0.172	1441.3
110.0	-1.53	-1.53	33.85	27.26	81.1	0.181	1442.3
120.0	-1.49	-1.49	34.03	27.40	67.9	0.188	1442.9
130.0	-1.42	-1.43	34.14	27.49	59.2	0.195	1443.5
140.0	-1.33	-1.33	34.24	27.57	52.0	0.200	1444.3
150.0	-1.19	-1.19	34.33	27.63	46.0	0.205	1445.2
160.0	-1.06	-1.06	34.39	27.68	41.9	0.210	1446.1
170.0	-0.93	-0.94	34.43	27.71	38.7	0.214	1446.9
180.0	-0.82	-0.82	34.48	27.74	35.7	0.218	1447.7
190.0	-0.69	-0.69	34.52	27.77	33.0	0.221	1448.5
200.0	-0.54	-0.55	34.57	27.80	30.2	0.224	1449.4
210.0	-0.41	-0.42	34.60	27.83	28.0	0.227	1450.2
220.0	-0.27	-0.28	34.64	27.85	25.7	0.230	1451.1
230.0	-0.11	-0.11	34.69	27.88	22.8	0.232	1452.1
240.0	0.05	0.04	34.73	27.91	20.8	0.235	1453.0
250.0	0.17	0.16	34.76	27.92	19.3	0.237	1453.8
260.0	0.27	0.25	34.79	27.94	17.7	0.238	1454.4
270.0	0.32	0.31	34.80	27.95	17.0	0.240	1454.9
280.0	0.33	0.32	34.80	27.95	17.0	0.242	1455.1
290.0	0.40	0.39	34.82	27.96	16.2	0.244	1455.6
300.0	0.50	0.49	34.85	27.98	14.7	0.245	1456.2
310.0	0.56	0.54	34.86	27.98	14.0	0.247	1456.7
320.0	0.58	0.57	34.86	27.98	14.1	0.248	1456.9
330.0	0.58	0.56	34.86	27.98	14.1	0.249	1457.1
340.0	0.60	0.58	34.87	27.99	13.7	0.251	1457.4
350.0	0.64	0.62	34.88	27.99	13.4	0.252	1457.7
370.0	0.69	0.67	34.89	28.00	12.8	0.255	1458.3
390.0	0.71	0.70	34.89	28.00	12.6	0.257	1458.7
410.0	0.68	0.66	34.90	28.01	12.1	0.260	1458.9
430.0	0.64	0.62	34.90	28.01	11.6	0.262	1459.1
450.0	0.62	0.60	34.70	28.01	11.4	0.265	1459.3
470.0	0.58	0.56	34.91	28.02	10.9	0.267	1459.5
490.0	0.53	0.51	34.91	28.02	10.7	0.269	1459.6
510.0	0.48	0.46	34.91	28.02	10.3	0.271	1459.7
530.0	0.43	0.41	34.91	28.03	10.0	0.273	1459.8
550.0	0.36	0.34	34.90	28.03	9.6	0.275	1459.8
570.0	0.31	0.29	34.91	28.03	9.1	0.277	1459.9
590.0	0.27	0.24	34.91	28.04	8.8	0.279	1460.1
610.0	0.22	0.20	34.91	28.04	8.4	0.281	1460.2
630.0	0.20	0.17	34.91	28.04	8.2	0.282	1460.4
650.0	0.17	0.14	34.91	28.04	8.1	0.284	1460.6
670.0	0.14	0.11	34.91	28.05	7.6	0.286	1460.8
690.0	0.10	0.07	34.91	28.05	7.4	0.287	1461.0
697.8	0.09	0.06	34.91	28.05	7.1	0.288	1461.1

	DEPTH	TEMP	SALIN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(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
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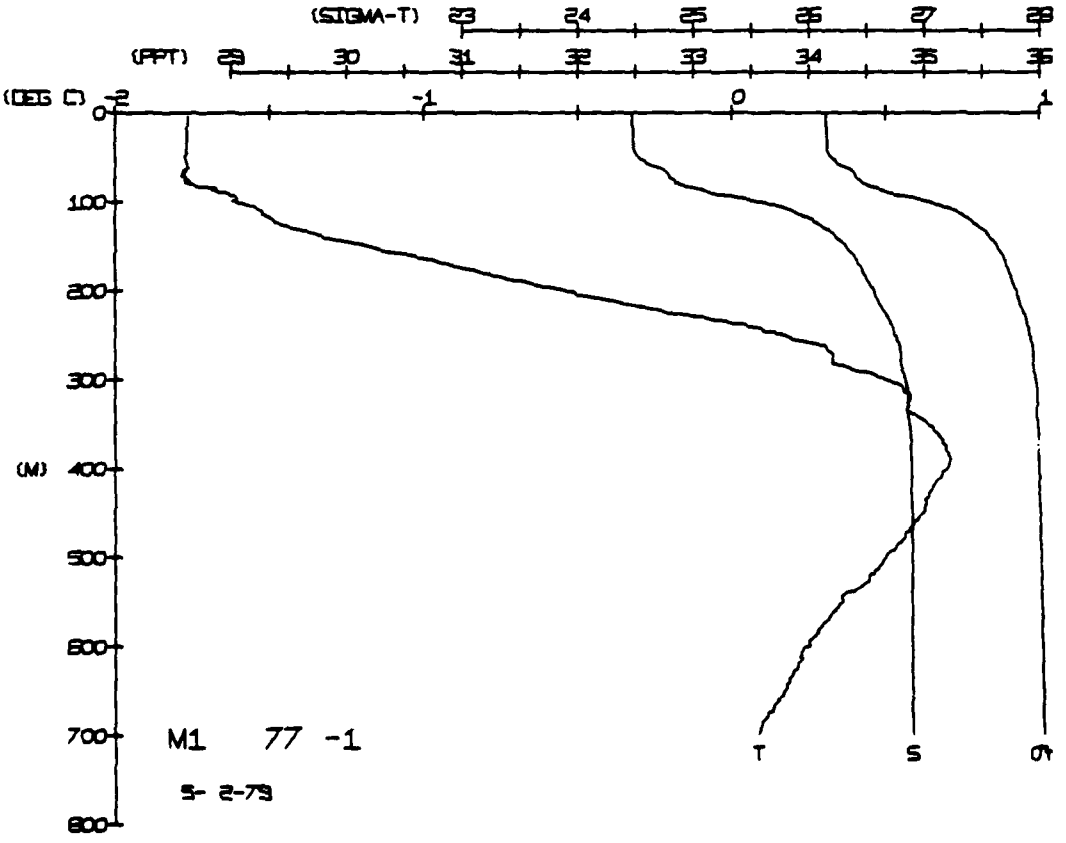
700
800
M1 75 -1
5- 2-79
T
S
O


(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1
0
100
200
300
(M) 400
500
600
700
800
M1 77 -1
5- 2-79
T
S
O

FRAM 1 STATION 78(1) CTD 2/MAY/1979 1906 GMT CODE = 1
LAT = 84.0157N LNG = 7.2997W LTER = 0. LGER = 1.
AIR TEMP = -15.4 BAROM = 1037.3 WIND = 343.0 SPEED = 7.3

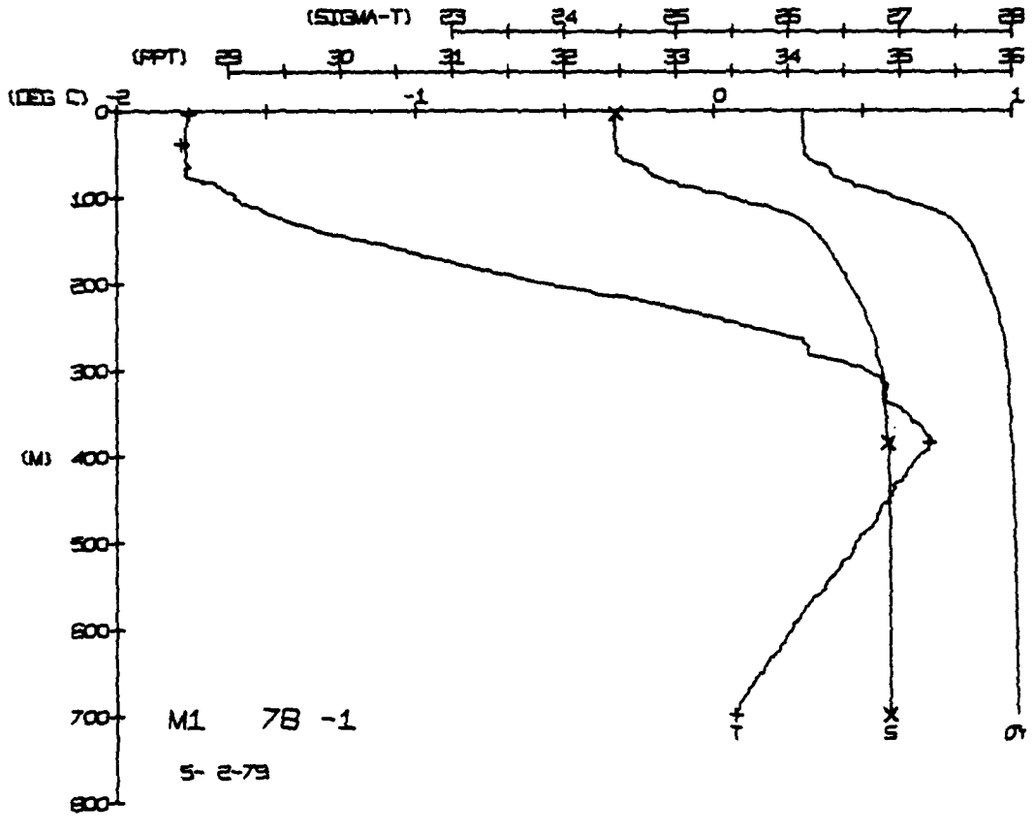
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.76	-1.76	32.46	26.14	188.0	0.000	1437.4
3.0	-1.76	-1.76	32.46	26.14	187.9	0.006	1437.5
5.0	-1.76	-1.76	32.46	26.14	188.7	0.009	1437.5
10.0	-1.76	-1.76	32.44	26.13	189.6	0.019	1437.6
15.0	-1.76	-1.76	32.44	26.13	189.4	0.029	1437.6
20.0	-1.77	-1.77	32.45	26.13	188.6	0.038	1437.7
25.0	-1.77	-1.77	32.46	26.14	188.4	0.048	1437.8
30.0	-1.77	-1.77	32.45	26.13	188.9	0.057	1437.9
35.0	-1.77	-1.77	32.46	26.14	188.1	0.067	1438.0
40.0	-1.77	-1.77	32.46	26.14	187.8	0.076	1438.0
45.0	-1.77	-1.77	32.47	26.15	187.2	0.085	1438.1
50.0	-1.77	-1.77	32.47	26.15	187.2	0.095	1438.2
55.0	-1.77	-1.77	32.50	26.17	184.8	0.104	1438.4
60.0	-1.76	-1.77	32.59	26.24	177.9	0.113	1438.6
65.0	-1.76	-1.76	32.71	26.34	168.6	0.122	1438.9
70.0	-1.77	-1.77	32.75	26.38	165.2	0.131	1439.0
80.0	-1.73	-1.74	32.87	26.47	156.4	0.147	1439.4
90.0	-1.65	-1.65	33.16	26.70	134.2	0.161	1440.4
100.0	-1.60	-1.61	33.44	26.93	112.9	0.174	1441.2
110.0	-1.57	-1.57	33.75	27.18	88.6	0.184	1442.0
120.0	-1.49	-1.49	34.00	27.38	70.1	0.192	1442.9
130.0	-1.42	-1.42	34.14	27.49	59.5	0.199	1443.6
140.0	-1.33	-1.33	34.22	27.55	53.3	0.204	1444.3
150.0	-1.20	-1.20	34.30	27.61	48.2	0.209	1445.2
160.0	-1.07	-1.07	34.36	27.66	43.6	0.214	1446.0
170.0	-0.96	-0.96	34.40	27.69	40.8	0.218	1446.8
180.0	-0.83	-0.84	34.45	27.72	37.6	0.222	1447.6
190.0	-0.69	-0.70	34.51	27.76	33.8	0.226	1448.5
200.0	-0.57	-0.58	34.54	27.79	31.7	0.229	1449.2
210.0	-0.41	-0.42	34.59	27.81	29.3	0.232	1450.2
220.0	-0.25	-0.26	34.63	27.84	26.8	0.235	1451.2
230.0	-0.13	-0.14	34.66	27.86	24.8	0.238	1452.0
240.0	0.00	-0.01	34.70	27.89	22.6	0.240	1452.7
250.0	0.11	0.10	34.73	27.91	20.8	0.242	1453.5
260.0	0.23	0.22	34.76	27.92	19.2	0.244	1454.2
270.0	0.30	0.29	34.77	27.93	18.8	0.246	1454.7
280.0	0.32	0.31	34.79	27.94	17.8	0.248	1455.0
290.0	0.41	0.40	34.81	27.95	16.6	0.250	1455.6
300.0	0.50	0.49	34.83	27.96	16.1	0.251	1456.2
310.0	0.56	0.54	34.85	27.97	14.9	0.253	1456.6
320.0	0.58	0.57	34.85	27.97	15.2	0.255	1456.9
330.0	0.58	0.56	34.84	27.97	15.7	0.256	1457.1
340.0	0.59	0.58	34.85	27.97	15.0	0.258	1457.3
350.0	0.64	0.62	34.87	27.98	14.2	0.259	1457.7
370.0	0.70	0.68	34.88	27.99	13.5	0.262	1458.3
390.0	0.72	0.70	34.90	28.00	12.5	0.265	1458.8
410.0	0.66	0.65	34.89	28.00	12.3	0.267	1458.9
430.0	0.62	0.60	34.90	28.01	11.7	0.269	1459.0
450.0	0.59	0.56	34.90	28.01	11.4	0.272	1459.2
470.0	0.54	0.52	34.90	28.02	11.0	0.274	1459.3
490.0	0.50	0.48	34.91	28.02	10.3	0.276	1459.5
510.0	0.47	0.44	34.91	28.03	10.1	0.278	1459.6
530.0	0.42	0.40	34.91	28.03	9.8	0.280	1459.8
550.0	0.37	0.35	34.91	28.03	9.3	0.282	1459.9
570.0	0.32	0.30	34.91	28.04	8.7	0.284	1460.0
590.0	0.28	0.25	34.91	28.04	8.8	0.286	1460.1
610.0	0.24	0.21	34.91	28.04	8.7	0.288	1460.3
630.0	0.20	0.17	34.91	28.04	8.5	0.289	1460.4
650.0	0.16	0.13	34.91	28.04	8.2	0.291	1460.6
670.0	0.12	0.09	34.91	28.04	7.9	0.293	1460.7
690.0	0.09	0.06	34.91	28.05	7.5	0.294	1460.9

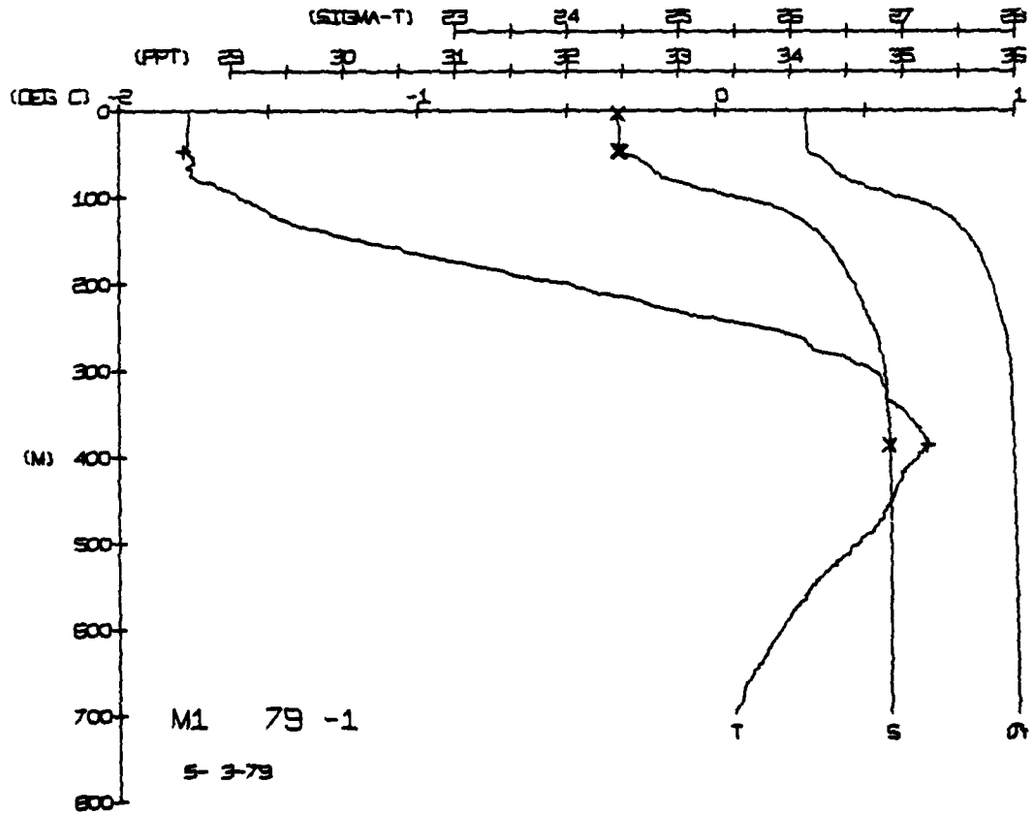
	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.76	32.45
BOT NUM = 2	38.4	-1.78	
BOT NUM = 3	385.1	0.72	34.89
BOT NUM = 4	699.3	0.07	34.90

FRAM 1 STATION 79(1) CTD 3/MAY/1979 705 GMT CODE = 1
LAT = 84.0012N LNG = 7.2498W LTER = 1. LGER = 2.
AIR TEMP = -20.3 BAROM = 1038.5 WIND = 306.0 SPEED = 4.6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.46	26.14	188.0	0.000	1437.4
3.1	-1.77	-1.77	32.46	26.14	188.0	0.006	1437.5
5.0	-1.77	-1.77	32.46	26.14	188.0	0.009	1437.5
10.0	-1.76	-1.76	32.45	26.14	188.6	0.019	1437.6
15.0	-1.77	-1.77	32.47	26.14	187.8	0.028	1437.7
20.0	-1.77	-1.77	32.47	26.15	187.4	0.038	1437.7
25.0	-1.77	-1.77	32.47	26.15	187.1	0.047	1437.8
30.0	-1.77	-1.77	32.47	26.15	187.4	0.057	1437.9
35.0	-1.77	-1.77	32.47	26.15	187.1	0.066	1438.0
40.0	-1.77	-1.77	32.48	26.15	186.8	0.076	1438.1
45.0	-1.77	-1.77	32.48	26.15	186.6	0.085	1438.2
50.0	-1.77	-1.77	32.52	26.18	183.6	0.094	1438.3
55.0	-1.75	-1.75	32.64	26.28	174.1	0.103	1438.6
60.0	-1.75	-1.75	32.69	26.32	170.3	0.112	1438.8
65.0	-1.77	-1.77	32.75	26.38	165.4	0.120	1438.9
70.0	-1.76	-1.76	32.78	26.40	163.4	0.129	1439.0
80.0	-1.74	-1.74	32.92	26.51	152.3	0.145	1439.5
90.0	-1.65	-1.65	33.16	26.70	134.2	0.159	1440.4
100.0	-1.60	-1.60	33.50	26.98	107.8	0.171	1441.3
110.0	-1.54	-1.54	33.84	27.25	81.9	0.181	1442.3
120.0	-1.50	-1.50	34.00	27.38	69.6	0.188	1442.8
130.0	-1.43	-1.43	34.14	27.49	59.2	0.195	1443.5
140.0	-1.31	-1.31	34.25	27.57	51.6	0.201	1444.4
150.0	-1.21	-1.21	34.31	27.62	47.1	0.206	1445.1
160.0	-1.06	-1.06	34.38	27.67	42.1	0.210	1446.1
170.0	-0.96	-0.96	34.43	27.71	39.0	0.214	1446.8
180.0	-0.81	-0.82	34.48	27.74	35.9	0.218	1447.7
190.0	-0.68	-0.69	34.52	27.77	33.1	0.221	1448.5
200.0	-0.50	-0.51	34.58	27.81	29.5	0.225	1449.6
210.0	-0.41	-0.42	34.61	27.83	27.8	0.227	1450.2
220.0	-0.26	-0.27	34.64	27.85	25.8	0.230	1451.2
230.0	-0.16	-0.17	34.66	27.86	24.5	0.233	1451.8
240.0	-0.02	-0.03	34.70	27.88	22.8	0.235	1452.7
250.0	0.13	0.12	34.74	27.91	20.3	0.237	1453.6
260.0	0.25	0.24	34.78	27.93	18.4	0.239	1454.3
270.0	0.31	0.30	34.80	27.95	17.0	0.241	1454.8
280.0	0.36	0.35	34.80	27.95	17.1	0.243	1455.2
290.0	0.46	0.44	34.83	27.96	16.0	0.244	1455.8
300.0	0.52	0.51	34.85	27.98	14.5	0.246	1456.3
310.0	0.56	0.54	34.86	27.98	14.3	0.247	1456.7
320.0	0.57	0.55	34.86	27.98	14.3	0.249	1456.9
330.0	0.57	0.56	34.86	27.98	14.2	0.250	1457.1
340.0	0.60	0.59	34.87	27.98	13.9	0.252	1457.4
350.0	0.64	0.62	34.88	28.00	12.9	0.253	1457.7
370.0	0.69	0.67	34.88	27.99	13.2	0.256	1458.3
390.0	0.70	0.69	34.90	28.00	12.4	0.258	1458.7
410.0	0.65	0.63	34.90	28.01	12.0	0.261	1458.8
430.0	0.62	0.60	34.90	28.01	11.5	0.263	1459.0
450.0	0.59	0.57	34.90	28.02	11.2	0.265	1459.2
470.0	0.56	0.54	34.90	28.02	10.9	0.268	1459.4
490.0	0.52	0.49	34.91	28.02	10.4	0.270	1459.5
510.0	0.45	0.43	34.90	28.02	10.2	0.272	1459.6
530.0	0.38	0.36	34.90	28.03	9.8	0.274	1459.6
550.0	0.32	0.30	34.90	28.03	9.3	0.276	1459.7
570.0	0.28	0.26	34.90	28.03	9.4	0.278	1459.8
590.0	0.24	0.22	34.90	28.04	8.9	0.280	1459.9
610.0	0.20	0.17	34.91	28.04	8.2	0.281	1460.1
630.0	0.17	0.14	34.91	28.04	8.2	0.283	1460.3
650.0	0.13	0.10	34.90	28.04	8.1	0.285	1460.4
670.0	0.09	0.07	34.91	28.05	7.5	0.286	1460.6
690.0	0.08	0.05	34.91	28.05	7.4	0.288	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4		32.46
BOT NUM = 2	46.1	-1.78	32.48
BOT NUM = 3	46.6		32.46
BOT NUM = 4	386.6	0.71	34.89


(SIGMA-T)
(PPT)
(DEG C)
(M)
M1 78 -1
5- 2-79
T
S


(SIGMA-T)
(PPT)
(DEG C)
(M)
M1 79 -1
5- 3-79
T
S

FRAM 1 STATION 80(1) CTD 3/MAY/1979 1008 GMT CODE = 1
LAT = 83.9974N LNG = 7.2219W LTER = 1. LGER = 2.
AIR TEMP = -20.3 BAROM = 1037.3 WIND = 306.0 SPEED = 4.6

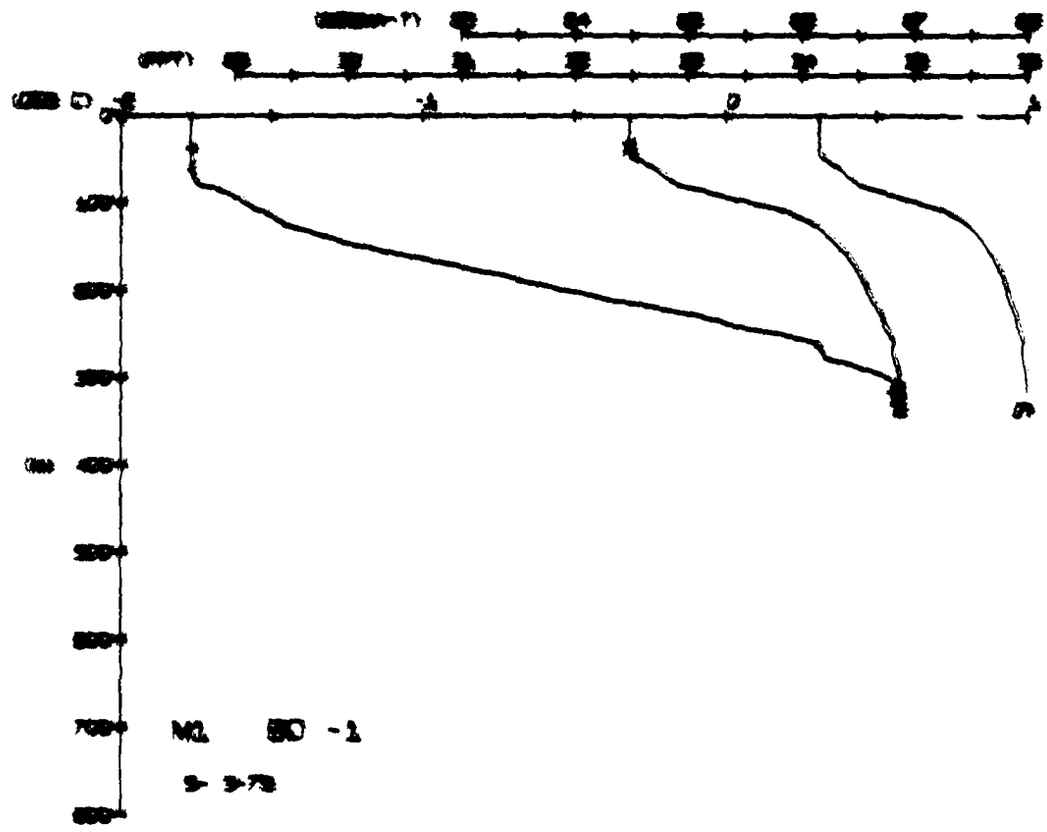
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.47	26.15	187.3	0.000	1437.4
3.1	-1.77	-1.77	32.47	26.15	187.3	0.006	1437.5
5.0	-1.77	-1.77	32.48	26.15	187.0	0.009	1437.5
10.0	-1.77	-1.77	32.48	26.15	187.0	0.019	1437.6
15.0	-1.77	-1.77	32.48	26.15	186.8	0.028	1437.7
20.0	-1.77	-1.77	32.47	26.15	187.0	0.038	1437.7
25.0	-1.77	-1.77	32.47	26.15	187.0	0.047	1437.8
30.0	-1.77	-1.77	32.47	26.15	187.3	0.056	1437.9
35.0	-1.77	-1.77	32.48	26.15	186.6	0.066	1438.0
40.0	-1.77	-1.77	32.48	26.16	186.5	0.075	1438.1
45.0	-1.77	-1.77	32.48	26.15	186.6	0.085	1438.2
50.0	-1.77	-1.77	32.49	26.17	185.4	0.094	1438.3
55.0	-1.77	-1.77	32.61	26.26	176.3	0.103	1438.5
60.0	-1.76	-1.76	32.69	26.32	170.4	0.112	1438.7
65.0	-1.78	-1.78	32.75	26.37	165.6	0.120	1438.8
70.0	-1.76	-1.77	32.78	26.40	163.2	0.129	1439.0
80.0	-1.74	-1.74	32.91	26.51	152.9	0.145	1439.5
90.0	-1.64	-1.64	33.23	26.76	129.0	0.159	1440.6
100.0	-1.60	-1.60	33.55	27.02	104.1	0.171	1441.4
110.0	-1.54	-1.54	33.85	27.26	81.5	0.180	1442.3
120.0	-1.49	-1.49	34.03	27.40	67.6	0.187	1442.9
130.0	-1.43	-1.43	34.15	27.50	58.4	0.194	1443.6
140.0	-1.32	-1.32	34.24	27.57	51.8	0.199	1444.4
150.0	-1.21	-1.21	34.32	27.63	46.6	0.204	1445.1
160.0	-1.06	-1.07	34.39	27.68	41.5	0.209	1446.1
170.0	-0.93	-0.94	34.44	27.72	38.2	0.213	1446.9
180.0	-0.79	-0.80	34.49	27.75	34.8	0.216	1447.8
190.0	-0.68	-0.69	34.53	27.78	32.3	0.220	1448.5
200.0	-0.54	-0.55	34.57	27.81	29.9	0.223	1449.4
210.0	-0.41	-0.41	34.61	27.83	27.4	0.226	1450.3
220.0	-0.24	-0.25	34.66	27.86	24.8	0.229	1451.3
230.0	-0.10	-0.10	34.70	27.89	22.6	0.231	1452.1
240.0	0.01	0.00	34.72	27.90	21.4	0.233	1452.8
250.0	0.16	0.15	34.77	27.93	18.5	0.235	1453.8
260.0	0.29	0.28	34.80	27.95	17.0	0.237	1454.6
270.0	0.31	0.30	34.80	27.95	16.8	0.239	1454.8
280.0	0.35	0.34	34.81	27.96	16.2	0.240	1455.2
290.0	0.45	0.44	34.83	27.97	15.4	0.242	1455.8
300.0	0.53	0.52	34.86	27.99	13.5	0.243	1456.4
310.0	0.55	0.54	34.86	27.98	14.1	0.245	1456.6
315.7	0.56	0.54	34.85	27.98	14.7	0.246	1456.7

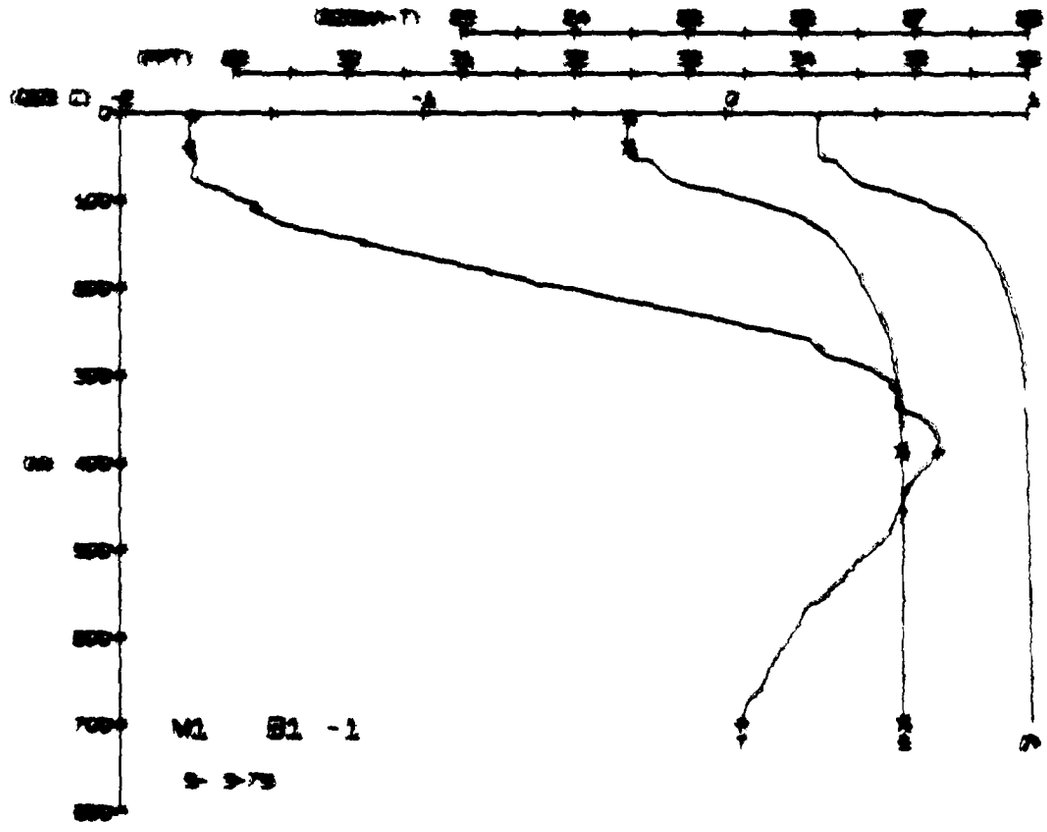
	DEPTH	TEMP	SALIN
BOT NUM = 1	37.9	-1.77	32.47
BOT NUM = 2	316.8	0.55	34.85

FRAM 1 STATION 81(1) CTD 3/MAY/1979 1911 GMT CODE = 1
LAT = 83.9812N LNG = 7.0720W LTER = 1. LGER = 2.
AIR TEMP = -18.8 BAROM = 1030.5 WIND = 260.0 SPEED = 5.0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.48	26.15	187.2	0.000	1437.4
3.0	-1.77	-1.77	32.48	26.15	187.1	0.006	1437.5
5.0	-1.77	-1.77	32.48	26.15	187.0	0.009	1437.5
10.0	-1.77	-1.77	32.47	26.15	187.6	0.019	1437.6
15.0	-1.77	-1.77	32.47	26.15	187.1	0.028	1437.7
20.0	-1.77	-1.77	32.47	26.15	187.4	0.038	1437.7
25.0	-1.77	-1.77	32.46	26.14	188.1	0.047	1437.8
30.0	-1.77	-1.77	32.47	26.15	187.4	0.057	1437.9
35.0	-1.77	-1.77	32.47	26.15	187.5	0.066	1438.0
40.0	-1.77	-1.77	32.48	26.15	186.8	0.075	1438.1
45.0	-1.77	-1.77	32.47	26.15	187.4	0.085	1438.1
50.0	-1.77	-1.77	32.49	26.16	185.7	0.094	1438.3
55.0	-1.75	-1.75	32.65	26.29	173.5	0.103	1438.7
60.0	-1.75	-1.75	32.72	26.35	167.6	0.112	1438.8
65.0	-1.76	-1.76	32.77	26.39	164.0	0.120	1438.9
70.0	-1.76	-1.76	32.80	26.41	161.8	0.129	1439.1
80.0	-1.73	-1.73	32.94	26.53	150.5	0.144	1439.6
90.0	-1.65	-1.65	33.30	26.82	123.5	0.158	1440.6
100.0	-1.59	-1.60	33.57	27.04	102.5	0.169	1441.4
110.0	-1.55	-1.55	33.80	27.22	85.5	0.179	1442.1
120.0	-1.50	-1.50	34.03	27.40	67.9	0.187	1442.9
130.0	-1.43	-1.43	34.15	27.50	53.5	0.193	1443.5
140.0	-1.31	-1.31	34.25	27.58	51.0	0.199	1444.4
150.0	-1.19	-1.20	34.33	27.64	45.3	0.203	1445.2
160.0	-1.06	-1.06	34.40	27.69	41.0	0.208	1446.1
170.0	-0.93	-0.93	34.44	27.72	37.9	0.212	1447.0
180.0	-0.79	-0.80	34.49	27.75	35.1	0.215	1447.8
190.0	-0.67	-0.68	34.53	27.78	32.4	0.219	1448.6
200.0	-0.53	-0.53	34.58	27.81	29.3	0.222	1449.5
210.0	-0.39	-0.40	34.62	27.84	27.1	0.225	1450.3
220.0	-0.24	-0.25	34.66	27.86	24.6	0.227	1451.3
230.0	-0.10	-0.11	34.70	27.89	22.1	0.230	1452.1
240.0	0.04	0.03	34.73	27.91	20.6	0.232	1453.0
250.0	0.17	0.16	34.76	27.93	19.0	0.234	1453.8
260.0	0.29	0.28	34.80	27.95	17.0	0.236	1454.5
270.0	0.31	0.30	34.80	27.95	17.3	0.237	1454.8
280.0	0.36	0.34	34.81	27.95	16.7	0.239	1455.2
290.0	0.47	0.46	34.84	27.97	14.9	0.241	1455.9
300.0	0.51	0.50	34.85	27.98	14.6	0.242	1456.3
310.0	0.55	0.54	34.86	27.98	14.4	0.244	1456.6
320.0	0.57	0.55	34.87	27.99	13.7	0.245	1456.9
330.0	0.57	0.55	34.86	27.98	14.3	0.247	1457.0
340.0	0.59	0.57	34.87	27.99	13.5	0.248	1457.3
350.0	0.65	0.64	34.88	27.99	13.3	0.249	1457.8
370.0	0.70	0.69	34.89	28.00	12.7	0.252	1458.4
390.0	0.70	0.68	34.90	28.01	12.1	0.254	1458.7
410.0	0.65	0.63	34.90	28.01	11.9	0.257	1458.8
430.0	0.61	0.59	34.90	28.01	11.4	0.259	1458.9
450.0	0.58	0.56	34.90	28.02	11.1	0.262	1459.2
470.0	0.56	0.54	34.91	28.02	10.7	0.264	1459.4
490.0	0.52	0.50	34.91	28.02	10.5	0.266	1459.5
510.0	0.45	0.43	34.91	28.03	9.9	0.268	1459.6
530.0	0.40	0.37	34.91	28.03	9.2	0.270	1459.7
550.0	0.34	0.32	34.91	28.04	9.0	0.272	1459.7
570.0	0.26	0.24	34.91	28.04	8.4	0.273	1459.7
590.0	0.23	0.21	34.91	28.04	8.7	0.275	1459.9
610.0	0.20	0.17	34.91	28.04	8.3	0.277	1460.1
630.0	0.16	0.13	34.91	28.05	7.8	0.279	1460.2
650.0	0.13	0.10	34.91	28.04	8.0	0.280	1460.4
670.0	0.08	0.05	34.91	28.05	7.2	0.282	1460.6
690.0	0.06	0.03	34.91	28.05	7.4	0.283	1460.8
698.5	0.05	0.02	34.93	28.06	5.9	0.284	1460.9

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.6	-1.76	32.47
BOT NUM = 2	38.8	-1.78	32.46
BOT NUM = 3	385.7	0.70	34.89
BOT NUM = 4	697.7	0.05	34.90





FRAM 1 STATION 82(1) CTD 4/MAY/1979 712 GMT CODE = 1
LAT = 83 9455N LNG = 6 9927W LTER = 1. LGER = 2.
AIR TEMP = -18 8 BAROM = 1025 6 WIND = 260 0 SPEED = 5 0

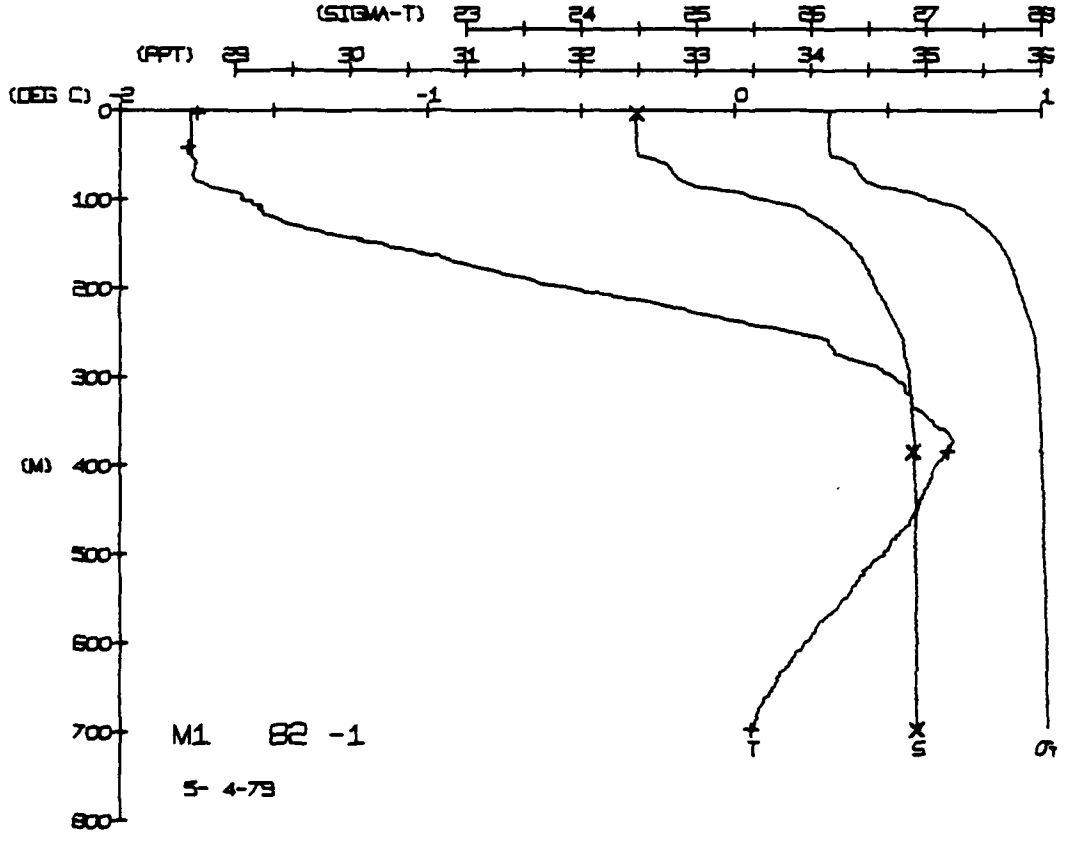
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0 0	-1 77	-1 77	32 48	26 16	186 6	0 000	1437 4
3 0	-1 77	-1 77	32 48	26 16	186 6	0 006	1437 5
5 0	-1 77	-1 77	32 48	26 16	186 7	0 009	1437 5
10 0	-1 77	-1 77	32 48	26 15	187 0	0 019	1437 6
15 0	-1 77	-1 77	32 47	26 15	187 1	0 028	1437 7
20 0	-1 77	-1 77	32 47	26 15	187 1	0 038	1437 7
25 0	-1 77	-1 77	32 48	26 15	186 9	0 047	1437 8
30 0	-1 77	-1 77	32 47	26 15	187 0	0 056	1437 9
35 0	-1 77	-1 77	32 48	26 15	186 8	0 066	1438 0
40 0	-1 77	-1 77	32 47	26 15	186 9	0 075	1438 1
45 0	-1 77	-1 77	32 49	26 16	186 0	0 085	1438 2
50 0	-1 77	-1 77	32 48	26 16	186 0	0 094	1438 3
55 0	-1 76	-1 76	32 60	26 25	177 4	0 103	1438 5
60 0	-1 75	-1 75	32 70	26 33	169 5	0 112	1438 8
65 0	-1 76	-1 76	32 76	26 38	164 7	0 120	1438 9
70 0	-1 76	-1 76	32 79	26 41	162 2	0 129	1439 0
80 0	-1 75	-1 76	32 87	26 47	156 3	0 145	1439 4
90 0	-1 67	-1 67	33 20	26 74	130 9	0 159	1440 4
100 0	-1 60	-1 60	33 53	27 01	105 5	0 171	1441 3
110 0	-1 55	-1 55	33 88	27 28	79 2	0 180	1442 2
120 0	-1 51	-1 51	34 01	27 39	69 2	0 188	1442 8
130 0	-1 44	-1 44	34 13	27 49	59 8	0 194	1443 5
140 0	-1 31	-1 31	34 25	27 57	51 7	0 200	1444 4
150 0	-1 17	-1 17	34 32	27 63	46 1	0 205	1445 3
160 0	-1 04	-1 04	34 38	27 69	42 0	0 209	1446 2
170 0	-0 93	-0 93	34 44	27 71	38 4	0 213	1447 0
180 0	-0 80	-0 80	34 49	27 75	35 1	0 217	1447 8
190 0	-0 69	-0 69	34 53	27 78	32 7	0 221	1448 5
200 0	-0 54	-0 55	34 55	27 79	31 1	0 224	1449 4
210 0	-0 39	-0 40	34 61	27 83	27 5	0 227	1450 3
220 0	-0 23	-0 24	34 65	27 86	25 4	0 229	1451 3
230 0	-0 11	-0 12	34 68	27 89	23 4	0 232	1452 1
240 0	0 03	0 02	34 73	27 90	21 0	0 234	1452 9
250 0	0 17	0 16	34 76	27 92	19 5	0 236	1453 8
260 0	0 31	0 29	34 79	27 94	17 6	0 238	1454 6
270 0	0 32	0 31	34 80	27 95	17 2	0 240	1454 9
280 0	0 37	0 35	34 82	27 96	16 2	0 241	1455 2
290 0	0 46	0 45	34 84	27 97	15 3	0 243	1455 9
300 0	0 51	0 50	34 85	27 98	14 3	0 245	1456 3
310 0	0 55	0 54	34 85	27 98	14 4	0 246	1456 6
320 0	0 56	0 55	34 87	27 99	13 6	0 247	1456 9
330 0	0 58	0 56	34 86	27 98	14 3	0 249	1457 1
340 0	0 61	0 59	34 87	27 99	13 6	0 250	1457 4
350 0	0 64	0 63	34 88	27 99	13 1	0 252	1457 7
370 0	0 71	0 69	34 89	28 00	12 7	0 254	1458 4
390 0	0 68	0 66	34 90	28 01	12 0	0 257	1458 6
410 0	0 64	0 62	34 89	28 00	12 2	0 259	1458 8
430 0	0 62	0 60	34 90	28 01	11 3	0 262	1459 0
450 0	0 60	0 57	34 90	28 01	11 5	0 264	1459 2
470 0	0 56	0 53	34 91	28 03	10 2	0 266	1459 4
490 0	0 51	0 49	34 91	28 02	10 4	0 268	1459 5
510 0	0 45	0 43	34 91	28 03	9 9	0 270	1459 6
530 0	0 40	0 38	34 91	28 03	9 5	0 272	1459 7
550 0	0 36	0 33	34 91	28 03	9 5	0 274	1459 8
570 0	0 30	0 27	34 90	28 03	9 2	0 276	1459 9
590 0	0 25	0 23	34 92	28 05	8 0	0 278	1460 0
610 0	0 20	0 18	34 91	28 05	7 9	0 279	1460 1
630 0	0 16	0 14	34 91	28 05	7 6	0 281	1460 3
650 0	0 12	0 10	34 91	28 05	7 5	0 282	1460 4
670 0	0 09	0 06	34 91	28 05	7 0	0 284	1460 6
690 0	0 06	0 03	34 91	28 05	7 2	0 285	1460 8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3 6	-1 75	32 47
BOT NUM = 2	41 6	-1 78	
BOT NUM = 3	384 2	0 69	34 88
BOT NUM = 4	697 4	0 05	34 91

FRAM 1 STATION 83(1) CTD 4/MAY/1979 1930 GMT CODE = 1
LAT = 83 8953N LNG = 6 9764W LTER = 0. LGER = 0.
AIR TEMP = -15 6 BAROM = 1028 6 WIND = 306 0 SPEED = 7 6

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0 0	-1 77	-1 77	32 46	26 14	188 5	0 000	1437 4
3 0	-1 77	-1 77	32 46	26 14	188 5	0 006	1437 5
5 0	-1 77	-1 77	32 46	26 14	188 6	0 009	1437 5
10 0	-1 77	-1 77	32 45	26 13	189 0	0 019	1437 6
15 0	-1 77	-1 77	32 46	26 14	189 5	0 028	1437 6
20 0	-1 77	-1 77	32 47	26 15	187 0	0 038	1437 7
25 0	-1 77	-1 77	32 48	26 15	186 9	0 047	1437 8
30 0	-1 77	-1 77	32 48	26 15	186 6	0 057	1437 9
35 0	-1 77	-1 77	32 48	26 16	186 5	0 066	1438 0
40 0	-1 77	-1 77	32 49	26 16	186 0	0 076	1438 1
45 0	-1 77	-1 77	32 51	26 18	184 4	0 085	1438 2
50 0	-1 78	-1 78	32 55	26 21	181 3	0 094	1438 3
55 0	-1 78	-1 78	32 57	26 23	179 1	0 103	1438 4
60 0	-1 78	-1 78	32 64	26 28	174 2	0 112	1438 6
65 0	-1 77	-1 77	32 74	26 37	166 1	0 121	1438 9
70 0	-1 76	-1 76	32 78	26 39	163 5	0 129	1439 0
80 0	-1 74	-1 75	32 89	26 48	155 0	0 145	1439 4
90 0	-1 67	-1 67	33 21	26 74	130 3	0 159	1440 4
100 0	-1 61	-1 61	33 54	27 01	105 1	0 171	1441 3
110 0	-1 54	-1 54	33 82	27 24	83 6	0 181	1442 2
120 0	-1 49	-1 49	34 04	27 41	67 3	0 188	1442 9
130 0	-1 42	-1 42	34 17	27 51	57 5	0 195	1443 6
140 0	-1 33	-1 33	34 23	27 56	52 7	0 200	1444 3
150 0	-1 18	-1 19	34 31	27 62	47 3	0 205	1445 2
160 0	-0 98	-0 99	34 38	27 67	42 4	0 210	1446 4
170 0	-0 77	-0 77	34 45	27 72	38 3	0 214	1447 7
180 0	-0 62	-0 62	34 50	27 76	34 6	0 218	1448 6
190 0	-0 47	-0 47	34 54	27 78	32 4	0 221	1449 5
200 0	-0 26	-0 27	34 59	27 81	29 5	0 224	1450 7
210 0	-0 17	-0 17	34 64	27 84	26 7	0 227	1451 4
220 0	-0 10	-0 10	34 66	27 86	24 9	0 230	1451 9
230 0	-0 04	-0 04	34 69	27 88	23 0	0 232	1452 4
240 0	0 11	0 10	34 73	27 91	20 9	0 234	1453 3
250 0	0 24	0 23	34 77	27 93	18 8	0 236	1454 1
260 0	0 31	0 30	34 79	27 94	17 6	0 238	1454 6
270 0	0 33	0 31	34 80	27 95	16 9	0 240	1454 9
280 0	0 43	0 42	34 82	27 96	16 0	0 241	1455 3
290 0	0 49	0 48	34 85	27 98	14 5	0 243	1456 0
300 0	0 53	0 52	34 86	27 98	14 1	0 244	1456 4
310 0	0 55	0 54	34 86	27 98	14 3	0 246	1456 6
320 0	0 57	0 55	34 86	27 98	13 9	0 247	1456 9
330 0	0 59	0 58	34 87	27 99	13 4	0 249	1457 2
340 0	0 62	0 61	34 88	27 99	13 3	0 250	1457 5
350 0	0 64	0 62	34 88	28 00	12 9	0 251	1457 7
370 0	0 69	0 67	34 89	28 00	12 5	0 254	1458 3
390 0	0 66	0 64	34 89	28 00	12 5	0 256	1458 5
410 0	0 63	0 61	34 90	28 01	11 5	0 259	1458 7
430 0	0 60	0 58	34 90	28 02	11 2	0 261	1458 9
450 0	0 56	0 54	34 91	28 02	10 7	0 263	1459 1
470 0	0 53	0 51	34 90	28 02	10 7	0 265	1459 3
490 0	0 47	0 45	34 90	28 02	10 4	0 268	1459 3
510 0	0 41	0 39	34 90	28 03	10 0	0 270	1459 4
530 0	0 37	0 34	34 91	28 03	9 5	0 272	1459 5
550 0	0 32	0 29	34 90	28 03	9 8	0 274	1459 6
570 0	0 29	0 26	34 91	28 04	9 0	0 275	1459 8
590 0	0 25	0 22	34 91	28 04	8 6	0 277	1460 0
610 0	0 20	0 17	34 91	28 04	8 3	0 279	1460 1
630 0	0 17	0 14	34 91	28 05	7 8	0 281	1460 3
650 0	0 13	0 10	34 91	28 05	7 8	0 282	1460 4
670 0	0 10	0 07	34 91	28 05	7 8	0 284	1460 6
690 0	0 06	0 03	34 91	28 05	6 9	0 285	1460 8
698 2	0 04	0 01	34 92	28 06	6 6	0 286	1460 8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3 6	-1 77	32 45
BOT NUM = 2	45 2	-1 78	32 51
BOT NUM = 3	391 2	0 66	34 88
BOT NUM = 4	698 4	0 04	34 90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(DEG C)
(M)
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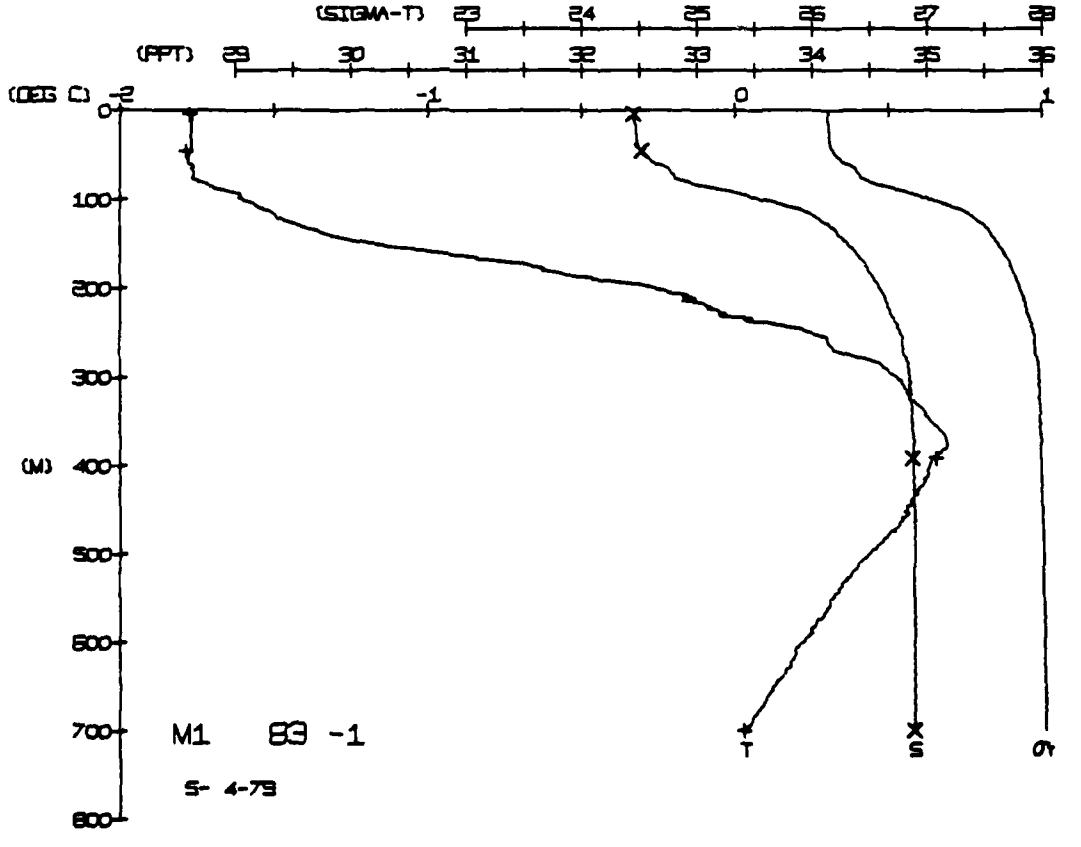
5- 4-79
T
S
σT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(PPT)
(DEG C)
(M)
M1 83 -1
5- 4-79
T
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σT

FRAM 1 STATION 84(1) CTD 5/MAY/1979 756 GMT CODE = 1
LAT = 83.8306N LNG = 6.9174W LTER = 0. LGER = 0.
AIR TEMP = -15.6 BAROM = 1027.5 WIND = 306.0 SPEED = 7.6

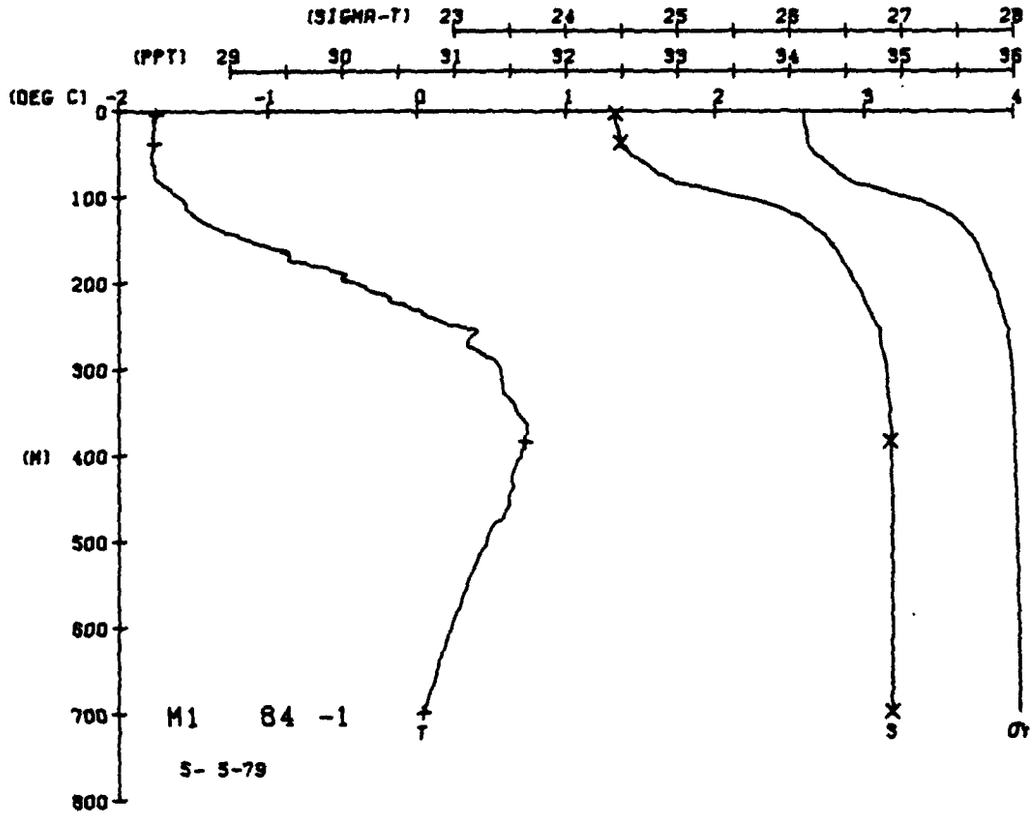
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.45	26.13	189.3	0.000	1437.4
3.1	-1.77	-1.77	32.45	26.13	189.3	0.006	1437.4
5.0	-1.77	-1.77	32.44	26.12	190.0	0.010	1437.4
10.0	-1.77	-1.77	32.44	26.12	189.9	0.019	1437.5
15.0	-1.77	-1.77	32.44	26.12	189.6	0.029	1437.6
20.0	-1.76	-1.76	32.46	26.14	188.2	0.038	1437.7
25.0	-1.77	-1.77	32.47	26.14	187.6	0.048	1437.8
30.0	-1.77	-1.77	32.47	26.15	186.9	0.057	1437.9
35.0	-1.77	-1.77	32.49	26.16	185.7	0.066	1438.0
40.0	-1.76	-1.76	32.49	26.17	185.5	0.076	1438.1
45.0	-1.77	-1.77	32.51	26.18	184.0	0.085	1438.2
50.0	-1.77	-1.78	32.56	26.22	180.2	0.094	1438.3
55.0	-1.78	-1.78	32.62	26.27	175.7	0.103	1438.5
60.0	-1.78	-1.78	32.67	26.31	171.5	0.112	1438.6
65.0	-1.77	-1.77	32.73	26.36	166.7	0.121	1438.9
70.0	-1.76	-1.76	32.78	26.40	163.0	0.129	1439.0
80.0	-1.75	-1.75	32.91	26.50	153.5	0.145	1439.4
90.0	-1.67	-1.67	33.20	26.73	131.3	0.159	1440.4
100.0	-1.60	-1.60	33.49	26.97	109.2	0.171	1441.3
110.0	-1.54	-1.54	33.82	27.24	83.3	0.181	1442.2
120.0	-1.51	-1.51	34.00	27.38	70.0	0.189	1442.8
130.0	-1.43	-1.43	34.14	27.49	59.2	0.195	1443.5
140.0	-1.32	-1.32	34.24	27.57	52.0	0.201	1444.3
150.0	-1.16	-1.17	34.32	27.63	46.2	0.206	1445.4
160.0	-0.99	-1.00	34.39	27.68	41.9	0.210	1446.4
170.0	-0.86	-0.86	34.45	27.72	38.1	0.214	1447.3
180.0	-0.71	-0.71	34.49	27.75	35.1	0.218	1448.2
190.0	-0.49	-0.50	34.54	27.78	32.6	0.221	1449.4
200.0	-0.43	-0.44	34.57	27.80	30.5	0.225	1449.9
210.0	-0.32	-0.32	34.62	27.84	27.1	0.227	1450.7
220.0	-0.19	-0.20	34.66	27.86	25.0	0.230	1451.5
230.0	-0.05	-0.06	34.69	27.88	22.9	0.233	1452.4
240.0	0.09	0.08	34.74	27.91	20.5	0.235	1453.2
250.0	0.25	0.24	34.76	27.92	19.4	0.237	1454.1
260.0	0.37	0.36	34.80	27.94	17.4	0.239	1454.9
270.0	0.33	0.31	34.80	27.95	17.0	0.240	1454.9
280.0	0.41	0.40	34.82	27.96	16.2	0.242	1455.4
290.0	0.52	0.51	34.85	27.98	14.5	0.244	1456.1
300.0	0.55	0.54	34.86	27.98	14.2	0.245	1456.5
310.0	0.56	0.55	34.86	27.98	14.1	0.246	1456.7
320.0	0.57	0.55	34.86	27.98	14.4	0.248	1456.9
330.0	0.59	0.57	34.86	27.98	14.1	0.249	1457.1
340.0	0.64	0.63	34.88	27.99	13.1	0.251	1457.6
350.0	0.67	0.65	34.88	27.99	13.3	0.252	1457.9
370.0	0.73	0.71	34.90	28.00	12.5	0.255	1458.5
390.0	0.71	0.69	34.90	28.01	12.1	0.257	1458.7
410.0	0.65	0.63	34.90	28.01	11.7	0.259	1458.8
430.0	0.63	0.61	34.91	28.02	11.1	0.262	1459.0
450.0	0.61	0.59	34.91	28.02	11.2	0.264	1459.3
470.0	0.57	0.55	34.91	28.02	10.7	0.266	1459.5
490.0	0.48	0.46	34.90	28.02	10.4	0.268	1459.4
510.0	0.42	0.40	34.91	28.03	9.5	0.270	1459.4
530.0	0.37	0.35	34.91	28.03	9.3	0.272	1459.5
550.0	0.33	0.30	34.91	28.04	8.9	0.274	1459.7
570.0	0.29	0.26	34.91	28.04	8.8	0.276	1459.8
590.0	0.24	0.21	34.91	28.04	8.1	0.278	1459.9
610.0	0.20	0.17	34.91	28.04	8.0	0.279	1460.1
630.0	0.16	0.13	34.90	28.04	8.3	0.281	1460.2
650.0	0.12	0.09	34.91	28.05	7.8	0.283	1460.4
670.0	0.09	0.06	34.91	28.05	7.4	0.284	1460.6
690.0	0.05	0.02	34.92	28.06	6.4	0.285	1460.8
700.4	0.04	0.01	34.92	28.06	6.4	0.286	1460.9

	DEPTH	TEMP.	SALIN
BOT NUM = 1	3.7	-1.75	32.44
BOT NUM = 2	38.2	-1.76	32.49
BOT NUM = 3	384.4	0.72	34.87
BOT NUM = 4	698.4	0.04	34.90

FRAM 1 STATION 85(1) CTD 5/MAY/1979 1241 GMT CODE = 1
LAT = 83.8008N LNG = 6.8783W LTER = 1. LGER = 2.
AIR TEMP = -13.9 BAROM = 1027.6 WIND = 310.0 SPEED = 8.9

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.46	26.14	188.4	0.000	1437.4
3.1	-1.77	-1.77	32.46	26.14	188.4	0.006	1437.5
5.0	-1.77	-1.77	32.45	26.13	189.1	0.009	1437.5
10.0	-1.77	-1.77	32.46	26.14	189.4	0.019	1437.6
15.0	-1.77	-1.77	32.46	26.14	188.1	0.028	1437.6
20.0	-1.77	-1.77	32.46	26.14	187.8	0.038	1437.7
25.0	-1.77	-1.77	32.46	26.14	187.8	0.047	1437.8
30.0	-1.77	-1.77	32.46	26.14	187.9	0.057	1437.9
35.0	-1.77	-1.77	32.47	26.15	187.3	0.066	1438.0
40.0	-1.77	-1.77	32.48	26.15	186.6	0.076	1438.1
45.0	-1.77	-1.77	32.50	26.17	184.6	0.085	1438.2
50.0	-1.77	-1.77	32.57	26.23	179.6	0.094	1438.4
55.0	-1.76	-1.76	32.62	26.27	175.3	0.103	1438.6
60.0	-1.77	-1.77	32.71	26.34	168.3	0.112	1438.7
65.0	-1.77	-1.77	32.75	26.38	165.2	0.120	1438.9
70.0	-1.76	-1.76	32.79	26.41	162.5	0.129	1439.0
80.0	-1.76	-1.76	32.86	26.46	157.2	0.145	1439.3
90.0	-1.67	-1.67	33.16	26.71	133.9	0.159	1440.3
100.0	-1.58	-1.58	33.60	27.06	100.6	0.171	1441.5
110.0	-1.57	-1.57	33.82	27.24	83.4	0.180	1442.1
120.0	-1.51	-1.51	34.01	27.39	69.5	0.188	1442.8
130.0	-1.40	-1.40	34.18	27.52	56.8	0.194	1443.7
140.0	-1.29	-1.30	34.26	27.59	50.4	0.200	1444.3
150.0	-1.17	-1.17	34.33	27.64	45.3	0.205	1445.3
160.0	-1.04	-1.04	34.39	27.68	41.3	0.209	1446.2
170.0	-0.89	-0.90	34.45	27.72	37.7	0.213	1447.1
180.0	-0.77	-0.78	34.50	27.76	34.3	0.217	1447.9
190.0	-0.52	-0.53	34.55	27.79	31.8	0.220	1449.3
200.0	-0.39	-0.40	34.58	27.81	29.6	0.223	1450.1
210.0	-0.22	-0.23	34.63	27.84	27.2	0.226	1451.1
220.0	-0.14	-0.15	34.66	27.86	24.9	0.229	1451.7
230.0	-0.04	-0.05	34.69	27.88	23.1	0.231	1452.4
240.0	0.05	0.04	34.73	27.90	21.1	0.233	1453.0
250.0	0.18	0.17	34.76	27.92	19.4	0.235	1453.8
260.0	0.38	0.37	34.80	27.95	17.3	0.237	1455.0
270.0	0.33	0.32	34.80	27.95	17.0	0.239	1454.9
280.0	0.44	0.42	34.82	27.96	16.0	0.241	1455.6
290.0	0.52	0.50	34.85	27.97	14.8	0.242	1456.1
300.0	0.59	0.57	34.86	27.98	14.1	0.244	1456.6
310.0	0.60	0.59	34.87	27.99	13.8	0.245	1456.9
320.0	0.58	0.56	34.86	27.98	14.0	0.246	1456.9
330.0	0.59	0.57	34.86	27.98	14.3	0.248	1457.1
340.0	0.66	0.65	34.88	27.99	13.1	0.249	1457.7
350.0	0.70	0.68	34.89	28.00	12.9	0.251	1458.0
370.0	0.71	0.69	34.89	28.00	12.6	0.253	1458.4
390.0	0.70	0.68	34.90	28.00	12.4	0.256	1458.7
410.0	0.65	0.63	34.90	28.01	12.1	0.258	1458.8
430.0	0.62	0.60	34.90	28.01	11.5	0.261	1459.0
450.0	0.60	0.58	34.91	28.02	11.1	0.263	1459.2
470.0	0.54	0.52	34.91	28.02	10.6	0.265	1459.3
490.0	0.49	0.47	34.91	28.03	10.1	0.267	1459.4
510.0	0.43	0.41	34.91	28.03	9.9	0.269	1459.5
530.0	0.39	0.37	34.91	28.03	9.5	0.271	1459.6
550.0	0.33	0.31	34.91	28.04	9.0	0.273	1459.7
570.0	0.27	0.25	34.91	28.04	8.7	0.275	1459.8
590.0	0.23	0.20	34.91	28.04	8.4	0.276	1459.9
610.0	0.18	0.15	34.91	28.04	8.0	0.278	1460.0
630.0	0.12	0.12	34.90	28.04	8.2	0.280	1460.2
650.0	0.12	0.09	34.91	28.05	7.3	0.281	1460.4
670.0	0.08	0.05	34.91	28.05	7.3	0.283	1460.6
690.0	0.07	0.04	34.91	28.05	7.5	0.284	1460.8

	DEPTH	TEMP	SALIN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200
300
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700
800
M1 84 -1
S- 5-79
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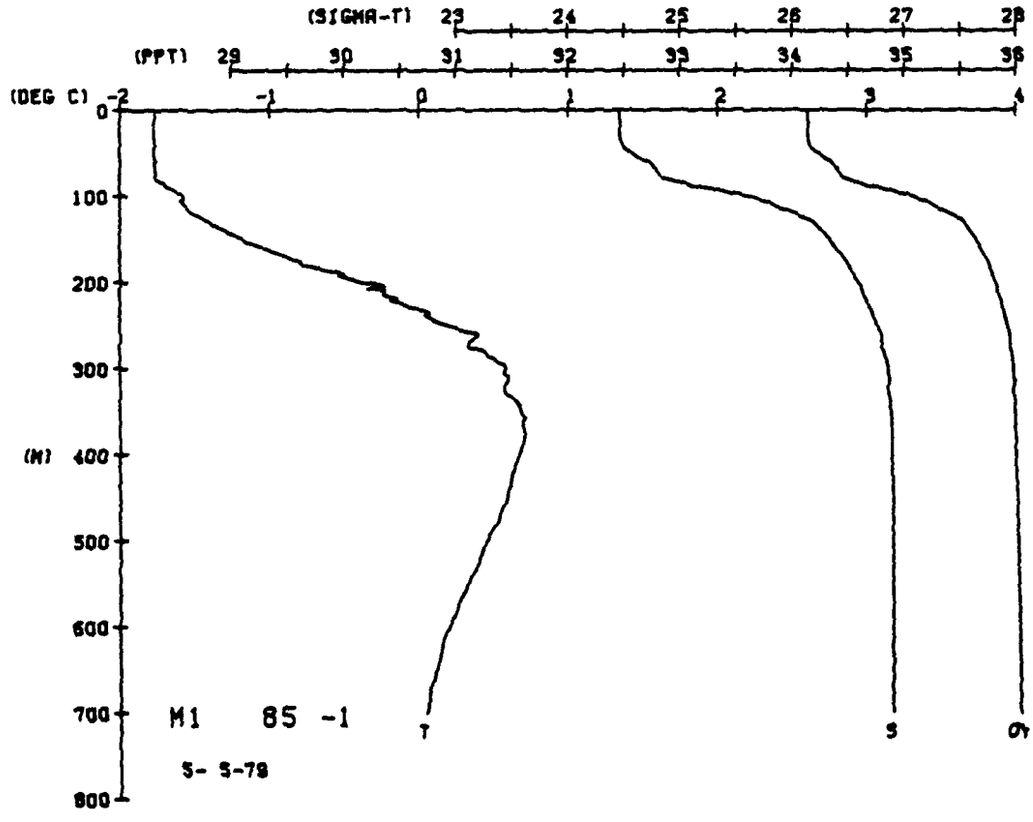
(SIGMA-T) 23 24 25 26 27 28
(PPT) 29 30 31 32 33 34 35 36
(DEG C) -2 -1 0 1 2 3 4
0
100
200
300
(M) 400
500
600
700
800
M1 85 -1
S- 5-79
T
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FRAM 1 STATION 86(1) CTD 5/MAY/1979 1828 GMT CODE = 1
LAT = 83 7700N LNG = 6 8357W LTER = 0. LGER = 1.
AIR TEMP = -13 9 BAROM = 1025 3 WIND = 310 0 SPEED = 8 9

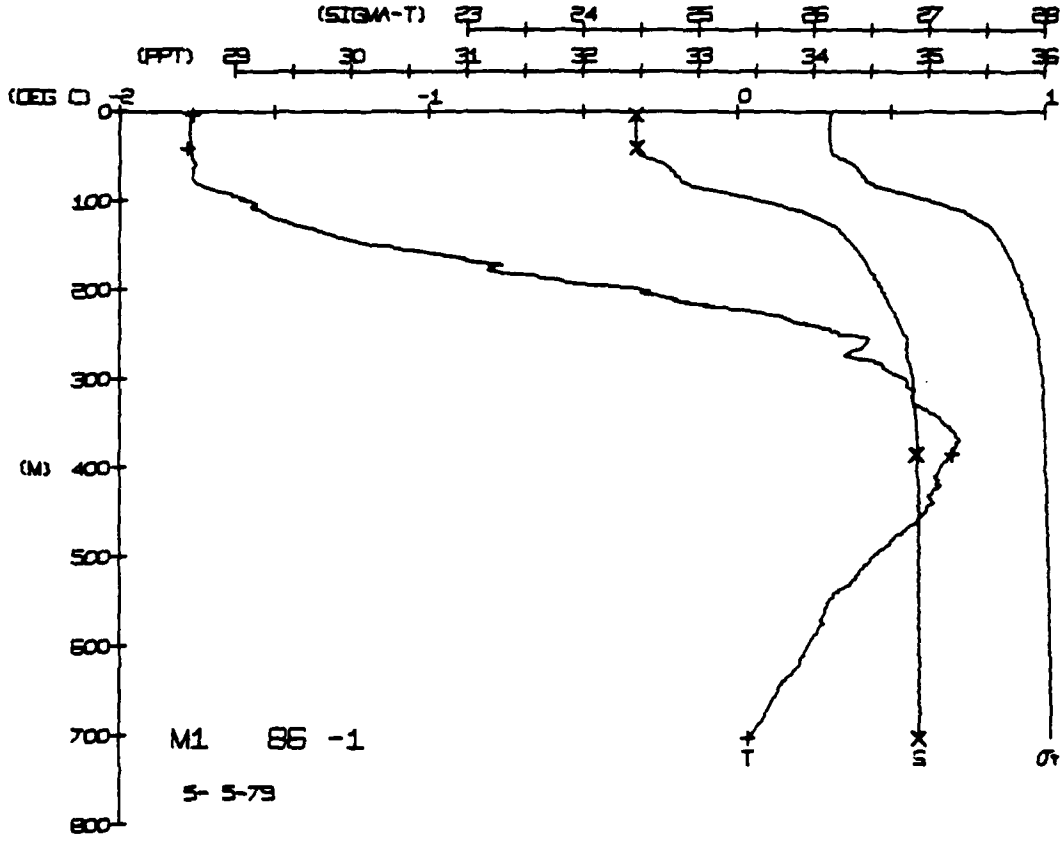
DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.77	-1.77	32.46	26.14	188.1	0.000	1437.4
3.1	-1.77	-1.77	32.46	26.14	188.0	0.006	1437.4
5.0	-1.77	-1.77	32.46	26.14	188.4	0.009	1437.5
10.0	-1.77	-1.77	32.46	26.14	188.5	0.019	1437.5
15.0	-1.77	-1.77	32.45	26.13	188.8	0.028	1437.6
20.0	-1.77	-1.77	32.45	26.13	188.7	0.038	1437.7
25.0	-1.77	-1.77	32.45	26.13	188.6	0.047	1437.8
30.0	-1.77	-1.77	32.46	26.14	188.3	0.057	1437.9
35.0	-1.77	-1.77	32.46	26.14	187.8	0.066	1438.0
40.0	-1.77	-1.77	32.47	26.15	187.3	0.076	1438.1
45.0	-1.77	-1.77	32.47	26.15	187.0	0.085	1438.2
50.0	-1.77	-1.77	32.50	26.18	184.5	0.095	1438.3
55.0	-1.76	-1.76	32.62	26.27	175.9	0.104	1438.6
60.0	-1.76	-1.76	32.70	26.34	169.1	0.112	1438.8
65.0	-1.76	-1.76	32.75	26.37	165.8	0.121	1438.9
70.0	-1.76	-1.76	32.79	26.41	162.3	0.129	1439.0
80.0	-1.75	-1.75	32.87	26.47	156.0	0.145	1439.4
90.0	-1.68	-1.69	33.17	26.71	133.3	0.160	1440.3
100.0	-1.61	-1.61	33.50	26.98	107.8	0.172	1441.3
110.0	-1.55	-1.56	33.82	27.23	84.0	0.182	1442.1
120.0	-1.50	-1.50	34.02	27.40	68.2	0.189	1442.9
130.0	-1.40	-1.41	34.18	27.52	56.4	0.196	1443.7
140.0	-1.31	-1.31	34.26	27.58	50.8	0.201	1444.4
150.0	-1.19	-1.19	34.33	27.64	45.7	0.206	1445.2
160.0	-0.99	-0.99	34.40	27.68	41.3	0.210	1446.4
170.0	-0.83	-0.84	34.44	27.72	38.3	0.214	1447.4
180.0	-0.80	-0.81	34.49	27.75	35.1	0.218	1447.8
190.0	-0.57	-0.59	34.53	27.78	32.6	0.221	1449.0
200.0	-0.31	-0.32	34.58	27.80	30.2	0.225	1450.5
210.0	-0.22	-0.23	34.62	27.83	27.9	0.227	1451.1
220.0	-0.09	-0.10	34.66	27.86	25.4	0.230	1452.0
230.0	0.12	0.12	34.70	27.88	23.3	0.233	1453.2
240.0	0.22	0.21	34.74	27.90	21.1	0.235	1453.8
250.0	0.33	0.32	34.78	27.93	18.8	0.237	1454.5
260.0	0.42	0.41	34.81	27.95	17.2	0.239	1455.1
270.0	0.37	0.36	34.80	27.95	17.2	0.240	1455.1
280.0	0.44	0.43	34.82	27.96	16.0	0.242	1455.6
290.0	0.48	0.47	34.84	27.97	14.8	0.244	1456.0
300.0	0.55	0.53	34.86	27.98	14.2	0.245	1456.4
310.0	0.55	0.54	34.85	27.98	14.6	0.247	1456.6
320.0	0.57	0.55	34.86	27.98	14.0	0.248	1456.9
330.0	0.58	0.57	34.87	27.99	13.8	0.249	1457.1
340.0	0.63	0.62	34.88	27.99	13.4	0.251	1457.5
350.0	0.67	0.65	34.88	28.00	13.0	0.252	1457.9
370.0	0.72	0.70	34.89	28.00	12.7	0.255	1458.4
390.0	0.68	0.67	34.90	28.01	12.1	0.257	1458.6
410.0	0.65	0.63	34.90	28.01	11.9	0.260	1458.8
430.0	0.63	0.61	34.90	28.01	11.6	0.262	1459.0
450.0	0.61	0.59	34.91	28.02	10.8	0.264	1459.3
470.0	0.54	0.52	34.91	28.02	10.7	0.266	1459.3
490.0	0.48	0.46	34.91	28.03	9.6	0.268	1459.4
510.0	0.41	0.39	34.91	28.03	9.8	0.270	1459.4
530.0	0.37	0.34	34.91	28.03	9.5	0.272	1459.5
550.0	0.29	0.27	34.91	28.04	8.7	0.274	1459.5
570.0	0.27	0.25	34.92	28.04	8.1	0.276	1459.8
590.0	0.25	0.22	34.91	28.04	8.4	0.278	1460.0
610.0	0.22	0.19	34.91	28.04	8.1	0.279	1460.2
630.0	0.18	0.15	34.91	28.05	7.6	0.281	1460.3
650.0	0.13	0.10	34.91	28.05	7.5	0.282	1460.5
670.0	0.10	0.07	34.91	28.05	7.6	0.284	1460.6
690.0	0.06	0.03	34.91	28.05	7.1	0.285	1460.8

	DEPTH	TEMP	SALIN
BOT NUM = 1	3.4	-1.76	32.45
BOT NUM = 2	40.2	-1.78	32.46
BOT NUM = 3	384.5	0.70	34.89
BOT NUM = 4	702.6	0.04	34.91

FRAM 1 STATION 87(1) CTD 6/MAY/1979 703 GMT CODE = 1
LAT = 83 6941N LNG = 6 7673W LTER = 0. LGER = 0.
AIR TEMP = -15.1 BAROM = 1024 5 WIND = 346 0 SPEED = 8.4

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0.0	-1.75	-1.75	32.14	25.88	212.8	0.000	1437.0
3.0	-1.75	-1.75	32.14	25.88	212.7	0.006	1437.1
5.0	-1.75	-1.75	32.15	25.89	212.3	0.011	1437.1
10.0	-1.75	-1.75	32.14	25.88	213.2	0.021	1437.2
15.0	-1.75	-1.75	32.15	25.89	211.7	0.032	1437.3
20.0	-1.75	-1.75	32.19	25.92	208.8	0.043	1437.5
25.0	-1.76	-1.76	32.28	25.99	202.3	0.053	1437.6
30.0	-1.75	-1.75	32.32	26.03	198.7	0.063	1437.8
35.0	-1.76	-1.76	32.41	26.12	189.4	0.073	1438.0
40.0	-1.75	-1.75	32.49	26.16	186.0	0.082	1438.2
45.0	-1.74	-1.74	32.51	26.18	184.4	0.092	1438.4
50.0	-1.73	-1.73	32.53	26.20	182.2	0.101	1438.5
55.0	-1.72	-1.72	32.62	26.27	175.9	0.110	1438.8
60.0	-1.72	-1.72	32.66	26.30	172.7	0.119	1438.9
65.0	-1.72	-1.72	32.70	26.33	169.4	0.127	1439.0
70.0	-1.71	-1.71	32.78	26.39	163.7	0.136	1439.3
80.0	-1.70	-1.70	33.02	26.60	144.4	0.151	1439.8
90.0	-1.63	-1.63	33.32	26.83	121.7	0.165	1440.8
100.0	-1.60	-1.60	33.58	27.05	101.6	0.176	1441.4
110.0	-1.57	-1.57	33.83	27.24	82.8	0.185	1442.1
120.0	-1.49	-1.50	34.05	27.42	66.4	0.193	1442.9
130.0	-1.41	-1.41	34.17	27.52	57.0	0.199	1443.7
140.0	-1.31	-1.32	34.25	27.58	51.3	0.204	1444.4
150.0	-1.16	-1.16	34.34	27.64	45.0	0.209	1445.4
160.0	-1.04	-1.05	34.39	27.68	41.3	0.214	1446.2
170.0	-0.92	-0.93	34.44	27.72	38.2	0.218	1447.0
180.0	-0.76	-0.76	34.49	27.75	34.7	0.221	1448.0
190.0	-0.57	-0.57	34.54	27.78	32.0	0.225	1449.1
200.0	-0.33	-0.34	34.59	27.81	29.2	0.228	1450.4
210.0	-0.20	-0.21	34.63	27.84	27.1	0.231	1451.2
220.0	-0.02	-0.03	34.67	27.86	24.9	0.233	1452.3
230.0	0.11	0.10	34.71	27.88	22.8	0.236	1453.1
240.0	0.22	0.21	34.75	27.91	20.5	0.238	1453.8
250.0	0.35	0.34	34.78	27.93	18.4	0.240	1454.6
260.0	0.38	0.37	34.80	27.95	17.2	0.242	1455.0
270.0	0.35	0.34	34.80	27.95	17.2	0.243	1455.0
280.0	0.38	0.37	34.81	27.95	16.6	0.245	1455.3
290.0	0.52	0.51	34.84	27.97	15.4	0.247	1456.2
300.0	0.61	0.59	34.87	27.98	14.0	0.248	1456.7
310.0	0.61	0.60	34.87	27.98	13.9	0.250	1456.9
320.0	0.60	0.58	34.86	27.98	14.2	0.251	1457.0
330.0	0.63	0.61	34.87	27.98	13.9	0.252	1457.3
340.0	0.67	0.66	34.88	27.99	13.1	0.254	1457.7
350.0	0.70	0.69	34.88	27.99	13.3	0.255	1458.0
370.0	0.76	0.74	34.90	28.00	12.7	0.258	1458.6
390.0	0.74	0.72	34.90	28.00	12.3	0.260	1458.8
410.0	0.70	0.68	34.90	28.01	12.1	0.263	1459.0
430.0	0.65	0.63	34.91	28.01	11.4	0.265	1459.2
450.0	0.65	0.63	34.92	28.02	10.7	0.267	1459.5
470.0	0.63	0.61	34.92	28.02	10.4	0.270	1459.7
490.0	0.58	0.56	34.91	28.02	10.4	0.272	1459.8
510.0	0.51	0.49	34.92	28.03	9.6	0.274	1459.8
530.0	0.44	0.41	34.91	28.03	9.4	0.276	1459.8
550.0	0.39	0.37	34.92	28.04	8.8	0.277	1460.0
570.0	0.34	0.31	34.91	28.04	9.0	0.279	1460.1
590.0	0.28	0.26	34.91	28.04	8.3	0.281	1460.1
610.0	0.20	0.18	34.90	28.04	8.6	0.283	1460.1
630.0	0.17	0.14	34.91	28.04	8.1	0.284	1460.3
650.0	0.12	0.10	34.91	28.05	7.8	0.286	1460.4
670.0	0.09	0.06	34.92	28.06	6.7	0.287	1460.6
690.0	0.07	0.04	34.90	28.05	7.7	0.289	1460.8

	DEPTH	TEMP	SALIN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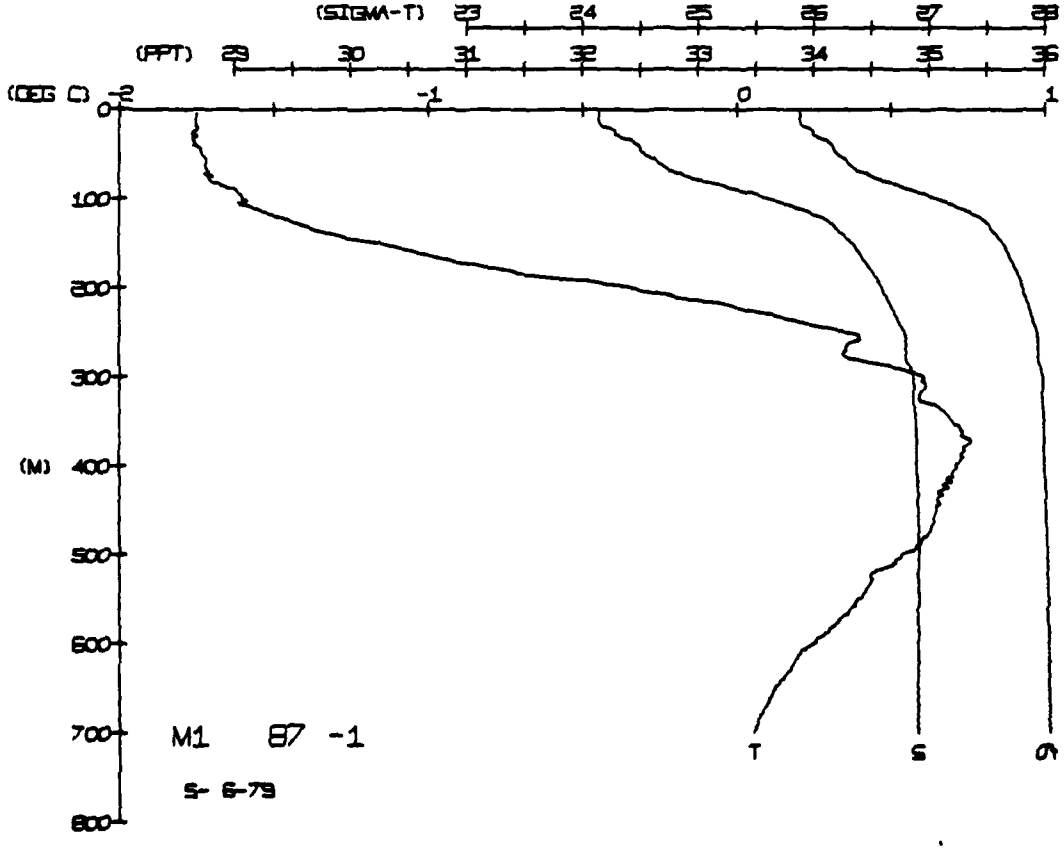
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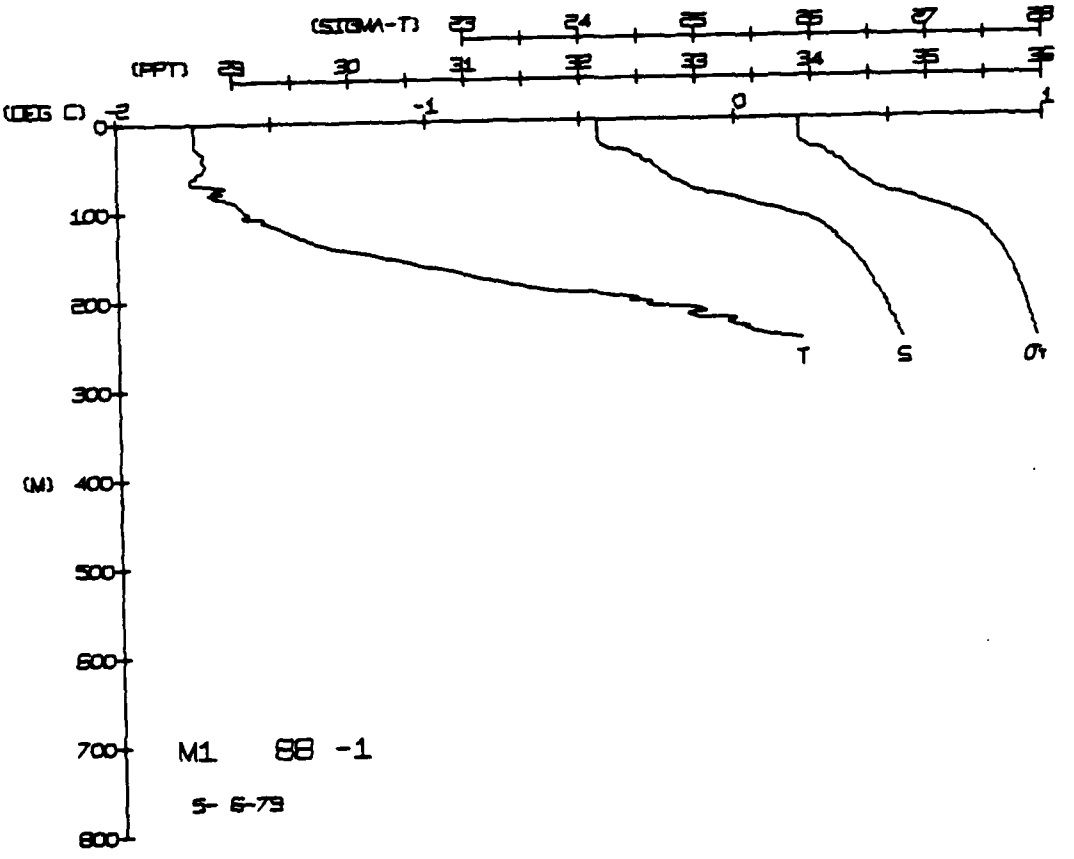
FRAM 1 STATION 83(1) CTD 6/MAY/1979 925 GMT CODE = 1
LAT = 83 6828N LNG = 6 7874W LTER = 1 LGER = ?
AIR TEMP = 0 0 BAROM = 1026 0 WIND = 0 0 SPEED = 0 0

DEPTH	TEMP	PTEMP	SALIN	SIG T	SPVOL	DYNHT	SOUND
0 0	-1 75	-1 75	32 15	25 89	211 9	0 000	1437 0
3 1	-1 75	-1 75	32 15	25 89	211 9	0 007	1437 1
5 0	-1 75	-1 75	32 15	25 89	212 3	0 011	1437 1
10 0	-1 75	-1 75	32 15	25 89	212 3	0 021	1437 2
15 0	-1 75	-1 75	32 15	25 89	212 2	0 032	1437 3
20 0	-1 75	-1 75	32 15	25 89	212 0	0 043	1437 4
25 0	-1 75	-1 75	32 15	25 89	212 0	0 053	1437 5
30 0	-1 74	-1 74	32 19	25 92	208 7	0 064	1437 6
35 0	-1 73	-1 73	32 29	26 00	201 1	0 074	1437 9
40 0	-1 72	-1 72	32 45	26 13	189 1	0 084	1438 2
45 0	-1 72	-1 72	32 53	26 19	183 0	0 094	1438 4
50 0	-1 72	-1 72	32 61	26 26	176 3	0 103	1438 7
55 0	-1 72	-1 72	32 64	26 29	173 7	0 111	1438 8
60 0	-1 75	-1 75	32 69	26 33	170 2	0 120	1438 8
65 0	-1 76	-1 76	32 76	26 38	165 0	0 128	1438 9
70 0	-1 76	-1 76	32 82	26 43	160 3	0 137	1439 1
80 0	-1 66	-1 66	32 96	26 54	149 2	0 152	1439 9
90 0	-1 63	-1 64	33 31	26 82	123 0	0 166	1440 7
100 0	-1 59	-1 60	33 58	27 04	102 2	0 177	1441 4
110 0	-1 53	-1 53	33 85	27 26	81 2	0 187	1442 3
120 0	-1 48	-1 48	34 06	27 43	65 5	0 194	1443 0
130 0	-1 42	-1 42	34 16	27 51	57 9	0 200	1443 6
140 0	-1 34	-1 35	34 24	27 57	52 3	0 206	1444 2
150 0	-1 19	-1 20	34 32	27 63	46 1	0 211	1445 2
160 0	-1 06	-1 07	34 39	27 68	41 5	0 215	1446 1
170 0	-0 92	-0 93	34 44	27 72	38 0	0 219	1447 0
180 0	-0 80	-0 80	34 48	27 75	35 3	0 223	1447 8
190 0	-0 65	-0 66	34 53	27 78	32 7	0 226	1448 7
200 0	-0 37	-0 38	34 59	27 81	29 2	0 229	1450 2
210 0	-0 30	-0 30	34 63	27 84	26 6	0 232	1450 8
220 0	-0 15	-0 16	34 67	27 87	24 5	0 235	1451 7
230 0	-0 02	-0 03	34 70	27 89	22 3	0 237	1452 5
240 0	0 05	0 04	34 73	27 91	20 8	0 239	1453 0
250 0	0 21	0 20	34 77	27 93	18 5	0 241	1454 0
250 3	0 22	0 21	34 77	27 93	18 6	0 241	1454 0

DEPTH TEMP SALIN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18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Fram Strait, conductivity, temperature, STD profiles

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

From April 29, 1979 to May 6, 1979 a total of 88 casts were made with a CTD (Conductivity, Temperature and Depth) instrument at the drifting ice station Fram I. Profiles were taken at least twice a day from the surface to 700 m and at more closely spaced intervals during special phases of the experiment. A separate helicopter C/STD survey was also conducted during the experiment, and the resulting data were reported separately.

Data obtained from the camp-based Plessey 9040 CTD were simultaneously recorded digitally on magnetic tape and on alalog charts. Profile data from

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the digital tapes were smoothed using a running average. Response time of the temperature sensor was corrected for thermal lag by varying a lag constant (τ) until descending and ascending parts of the cast on a T-S diagram were nearly congruent. No lag correction was applied to the conductivity data because of the rapid response time of the conductivity cell. A small drift that occurred when both sensors were stopped for bottle sampling was also taken into account during data reduction.

Static calibration of the temperature, conductivity and depth sensors was provided by bottle and reversing thermometer data. Least squares, best-fit polynomials, whose parameters were temperature (T), conductivity (C) and depth (D), converted the observed data to final data.

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