

NORTHERN GULF OF MEXICO
TOPOGRAPHIC FEATURES
STUDY

HYDROGRAPHIC DATA REPORT

Submitted to the
U.S. Department of the Interior
Bureau of Land Management
Outer Continental Shelf Office
New Orleans, Louisiana

Contract No. AA851-CT0-25

Department of Oceanography
Texas A&M University
College Station, Texas

Research Conducted Through
the Texas A&M Research Foundation

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INTRODUCTION

This volume contains plots and listings of hydrographic data obtained between September 1979 and July 1981 during five cruises to the East and West Flower Garden Banks. These data are vertical profiles of temperature, salinity, transmissivity, and horizontal currents taken mainly over and nearby the principal study site, the East and West Flower Garden Banks. Data were also taken over the continental slope which is located south of the study site, and on transects between Galveston and the principal study site. The Flower Garden Banks lie north of the Texas-Louisiana shelf break, or about 184 km SSE of Galveston, Texas. The banks are diapiric salt structures which rise above the edge of the Continental Shelf near the 100 m isobath. A map of the study area is given in Figure 1.

Table 1 gives a synopsis of the types and amount of hydrographic data obtained during each of the five cruises. Also included in this table is a list of the dye emission experiments which were performed to study the currents and turbulence in the bottom boundary layer. Preliminary results of the dye experiments are discussed in Chapter IV of the final report.

The method of data acquisition and the types of instrumentation changed from cruise to cruise as the field study progressed. On the BLACK SEAL and ROSS SEAL cruises, each station consisted of a sequence of separate vertical profiles. Temperature profiles were from XBT's; transmissivity was measured with a hand-lowered Martek (model XMS) transmissometer which had a one-metre folded path length and a white light source; and current speeds and directions were measured with a

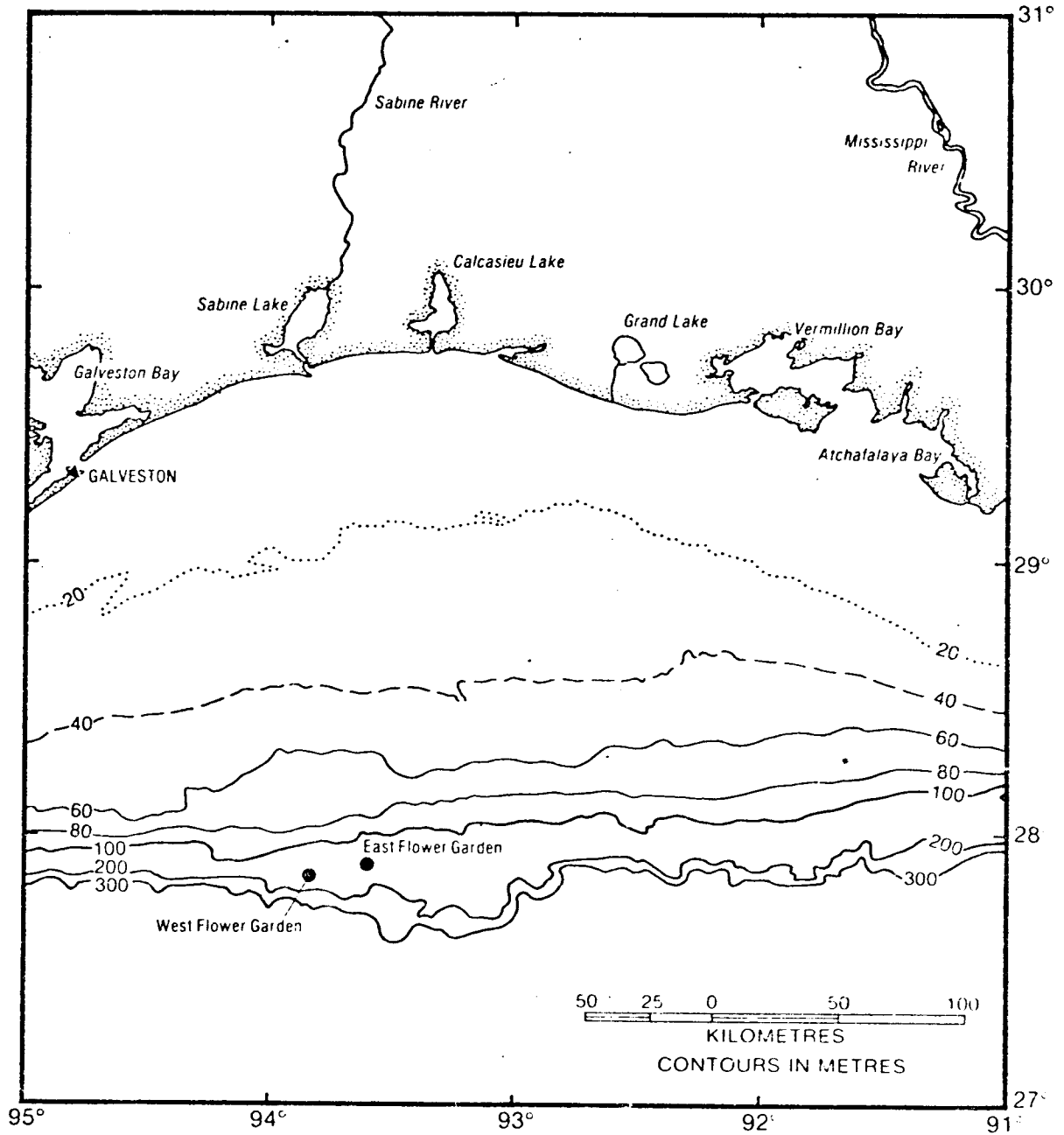


Figure 1. Map of study site, showing shelf area and East and West Flower Garden Banks.

TABLE 1
HYDROGRAPHIC DATA INVENTORY

SHIP	CRUISE DATES	HYDROGRAPHIC STATIONS	XBT PROFILES	DYE EMISSION
BLACK SEAL	5-18 Sep 79	*	28	1 (dive 4)
ROSS SEAL	12-21 Oct 79	**	52	5 (dives 9, 11 12, 14, 15)
BALTIC SEAL	10-20 Oct 80	26	37 (+5 FSXBT)	1 (15 Oct 80) 2 (22 Oct 80) 2 (23 Oct 80)
GYRE	3-8 Mar 81)	34	[none]	none
NORTH SEAL	13-17 Jul 81	42	24	none

* (a) 5 transmissivity and temperature profiles

(b) 1 profile, transmissivity only

(c) table of water temperature and salinity data

** (a) vertical profiles of transmissivity, 22 stations (EFG/WFG)

(b) vertical profile time series of temperature, transmissivity,
and currents near mooring 2, EFG.

HydroProducts profiling current meter by lowering it to given depths where measurements were taken.

Simultaneous profiles of temperature, salinity, transmissivity, and velocity were made on the last three cruises, using the PHISH (Profiling Hardwired Instrumented Sensor for Hydrography). The characteristics of this sensor package are discussed in detail in Chapter IV of the final report. The advantages of this system are: 1) station time is greatly reduced so that a more synoptic picture of the hydrography over a small area may be obtained; 2) by profiling with all sensors simultaneously, any variation due to position changes caused by ship drift or due to short term fluctuations in the water column will have the same effect on each quantity measured; and 3) data storage

through the PHISH onboard microcomputer system onto diskettes greatly simplifies data management and analysis.

The design of the PHISH transmissometer (Seatech) is different from that of the Martek transmissometer used on the BLACK SEAL and ROSS SEAL cruises, and the relationship between measurements made by the two instruments is presently being determined in laboratory tank measurements. The technique being employed for intercalibration is to immerse the two transmissometers into a tank filled with seawater. Preweighed portions of mud from the Flower Gardens region are disaggregated, suspended, and then added to the tank. Transmissivity is then simultaneously recorded on each instrument, and a water sample is taken. The SPM concentration is determined for the water sample. These data are combined from a number of trials using different SPM concentrations to derive an absolute calibration for each instrument and therefore intercalibration between the two. The PHISH transmissometer has a 25 cm path length, compared to 100 cm on the older Martek transmissometer, and the light source is also different. All transmissivity profiles from the PHISH which are reported in this volume have been transformed as follows. Units of %/25 cm (the measured attenuation with the Seatech transmissometer) were transformed to %/m (the mode of measurement with the Martek) using the equation

$$\text{Tr}(\%/m) = \text{Tr}^4(\%/25 \text{ cm})/10^6.$$

However, even after the application of this transformation to correct for pathlength difference, the profiles from the two transmissometers are still not comparable to each other, due mainly to the differences in their light source. Application of further corrections derived from the tank intercalibrations of the two instruments will be necessary.

Salinity profiles obtained on the BALTIC SEAL and GYRE cruises exhibit rather large fluctuations or spikes, particularly where vertical temperature gradients are large. These spikes are not real, but are due to the time-mismatch between the conductivity and temperature sensors. This mismatch was caused mainly by the slow flushing rate of the conductivity cell. These spikes were reduced somewhat during the data processing operations by time-lagging the temperature measurements relative to the conductivity measurements before computing salinity (salinity is computed as a function of temperature, conductivity, and pressure). Further reduction in the spikes was accomplished by performing a running average over 1 m intervals for the entire downcast; there are typically three complete measurements of temperature, conductivity, and pressure taken over each 1 m depth interval. Between the GYRE cruise and the NORTH SEAL cruise, a pump was installed to increase the flow rate through the conductivity cell. The result is a dramatic improvement in the quality of the NORTH SEAL salinity profiles.

The PHISH package is equipped with an alarm system triggered when the PHISH is within 2 m of the bottom. Upon receipt of the alarm, the winch operator stops the cast and begins hauling the instrument package up. Thus, we are assured that for the last three cruises, all vertical profiles taken by the PHISH extend down to within 2 m of the bottom.

This report is divided by cruise into five sections. Each section begins with a table of contents, and each of these tables is referenced at the beginning of this volume in the master table of contents. Each

section is divided into two parts, XBT data and non-XBT data. The non-XBT data are either from PHISH profiles, as in the last three cruises, or they are the transmissivity and profiling current meter data from the first two cruises.* These data are presented in basic form as both vertical profile plots and listings versus depth. The tables list the appropriate variable, e.g., temperature, transmissivity, salinity, density ($\sigma-t$), or u-velocity and v-velocity, versus depth at 1 m depth increments. The u-velocity component is along the east-west direction and is positive toward the east; the v-velocity component is along the north-south direction and is positive toward the north.

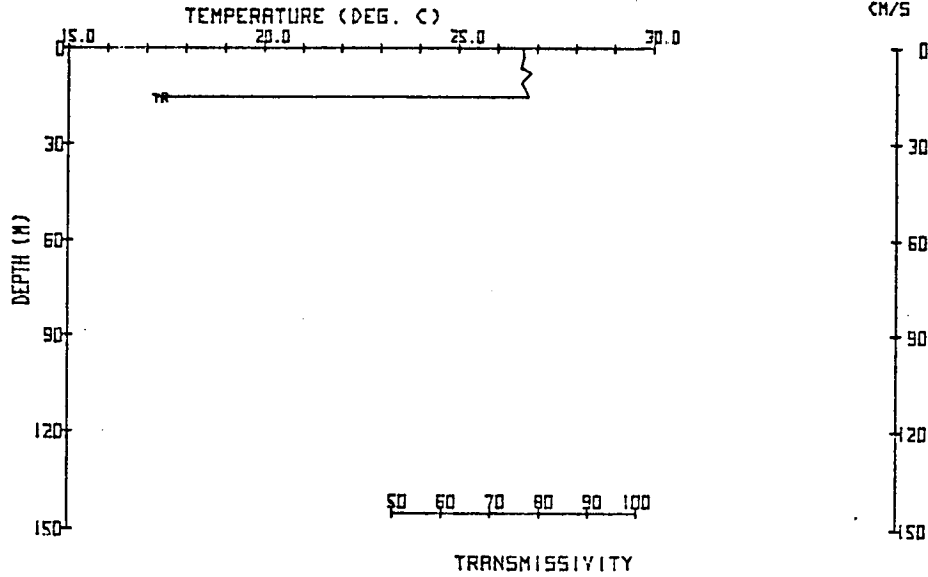
A number of different types of map plots display the horizontal distribution of hydrographic variables, such as temperature and salinity. The maps display the magnitude of these variables at either a given depth from the surface, at the depth where a given magnitude occurs, or at a given distance from the bottom. The distance from the bottom, when labeled on these plots, is actually the distance from the bottom of the vertical profile, which is about 2 m above the real bottom. This is the depth where the bottom sensing mechanism is tripped and the cast stopped. Thus, for instance, plots labeled "0 m from the bottom" actually show the values at 2 m from the bottom.

*During the BLACK SEAL and ROSS SEAL cruises, the STD did not function.

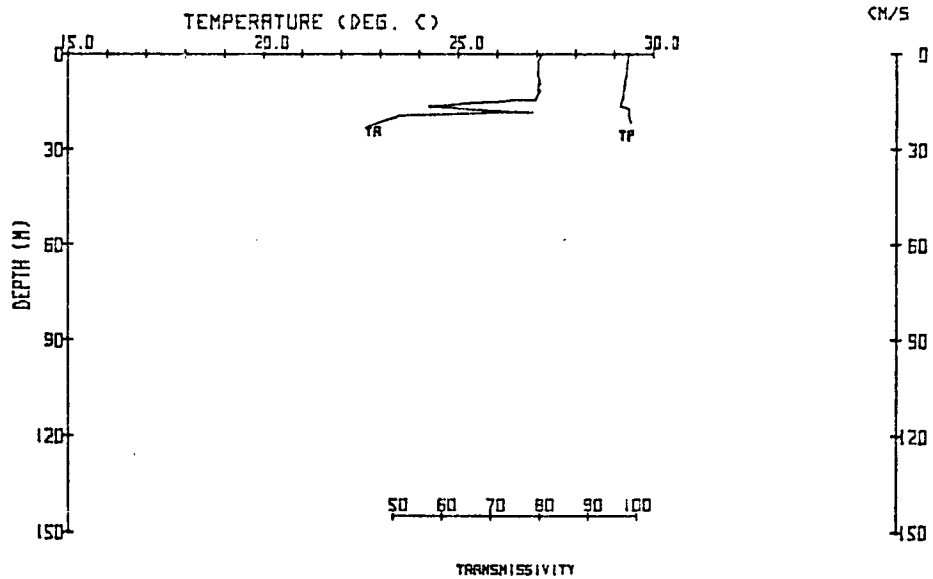
CRUISE 79-BKS-1 (BLACK SEAL, 5-18 Sep 79)

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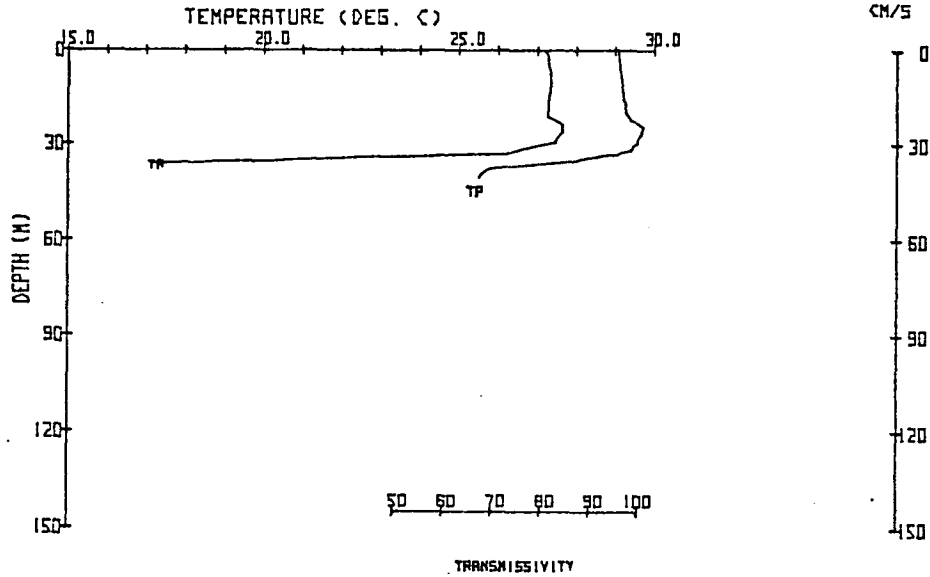
CRUISE: 79-BKS-1 STATION: 1
 SHIP: BLACK SEAL LAT 28 59.19'N
 DATE: 8 SEP 79 LON 94 29.05'W
 TIME: 0446 GMT



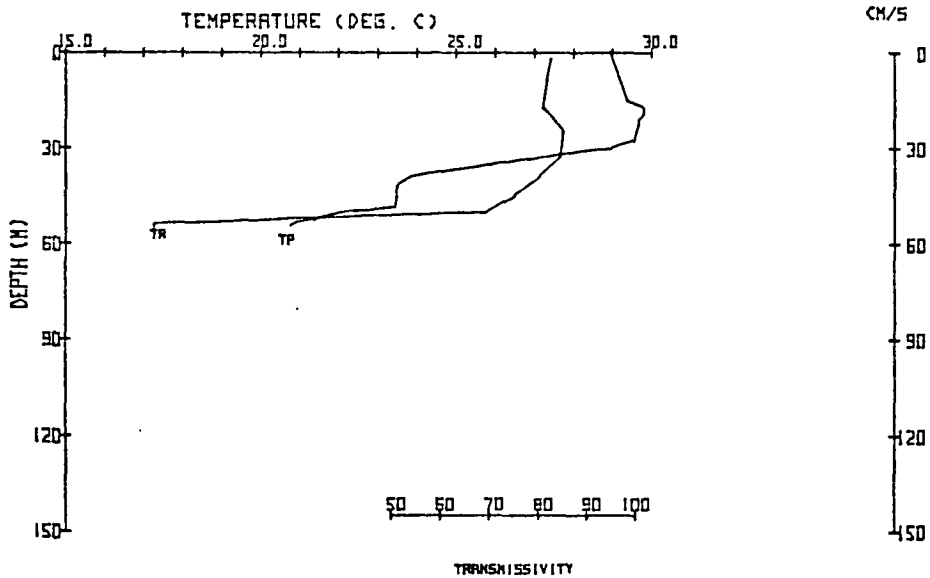
CRUISE: 79-BKS-1 STATION: 2
 SHIP: BLACK SEAL XBT: 2
 DATE: 8 SEP 79 LAT 28 50.08'N
 TIME: 0550 GMT LON 94 24.64'W



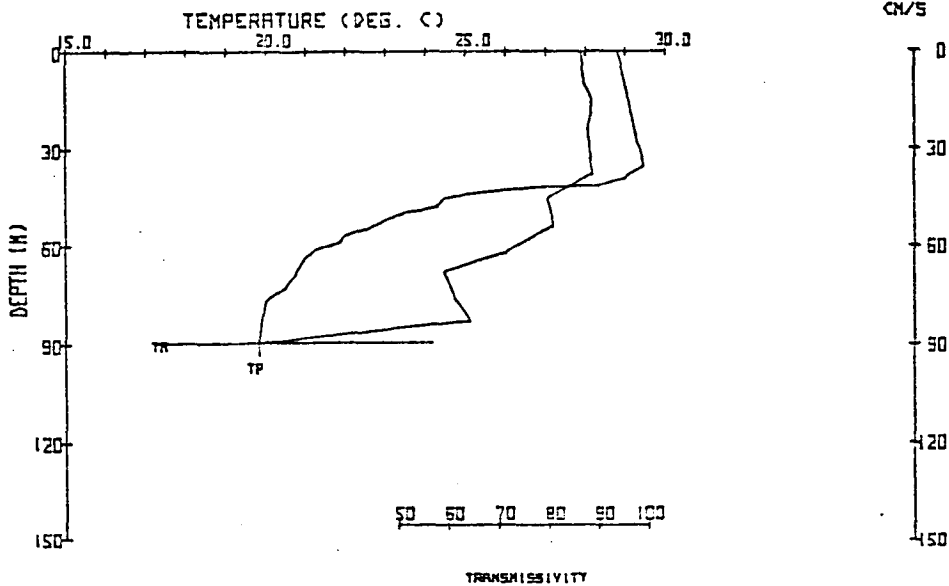
CRUISE: 79-BKS-1 STATION: 3
 SHIP: BLACK SEAL XBT: 3
 DATE: 8 SEP 79 LAT 28 31.87'N
 TIME: 0750 GMT LON 94 15.27'W



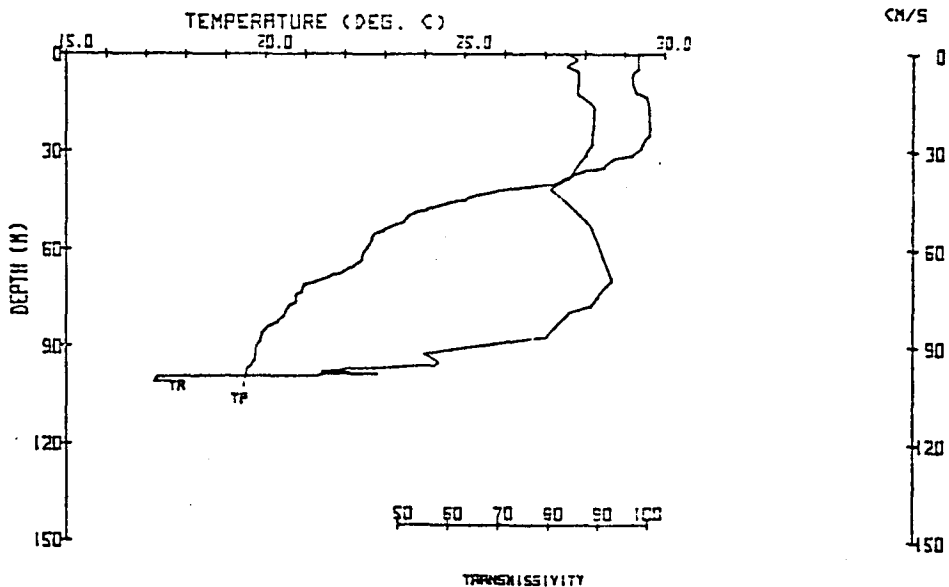
CRUISE: 79-BKS-1 STATION: 4
 SHIP: BLACK SEAL XBT: 4
 DATE: 8 SEP 79 LAT 28 13.05'N
 TIME: 1004 GMT LON 94 5.89'W



CRUISE: 79-BKS-1 STATION: 5
 SHIP: BLACK SEAL XBT: 5
 DATE: 9 SEP 79 LAT 27 56.89'N
 TIME: 1208 GMT LON 93 57.52'W



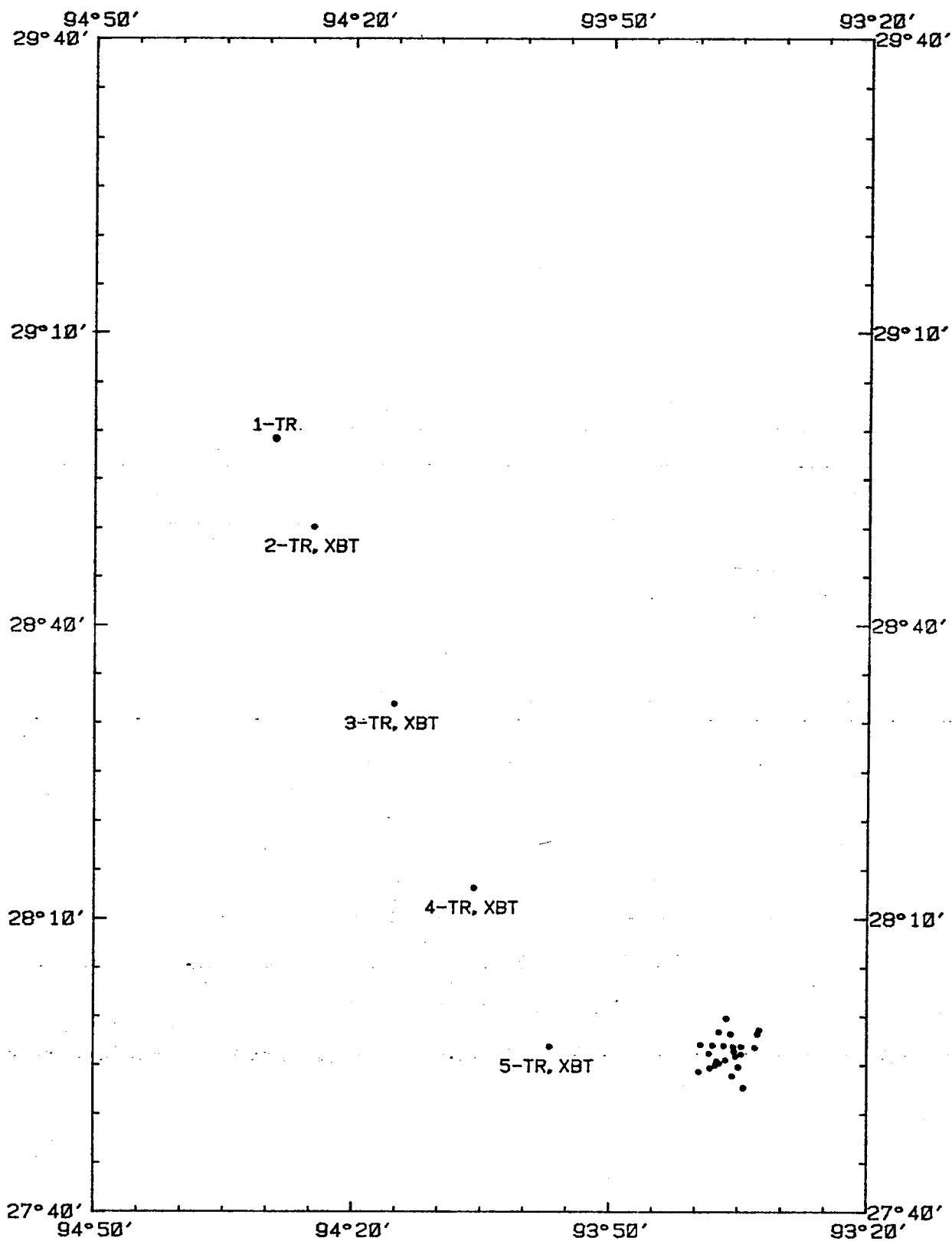
CRUISE: 79-BKS-1 STATION: 7
 SHIP: BLACK SEAL XBT: 7
 DATE: 10 SEP 79 LAT 27 58.40'N
 TIME: 1054 GMT LON 93 32.45'W
 AT SUBMERSIBLE DIVE 4 SITE



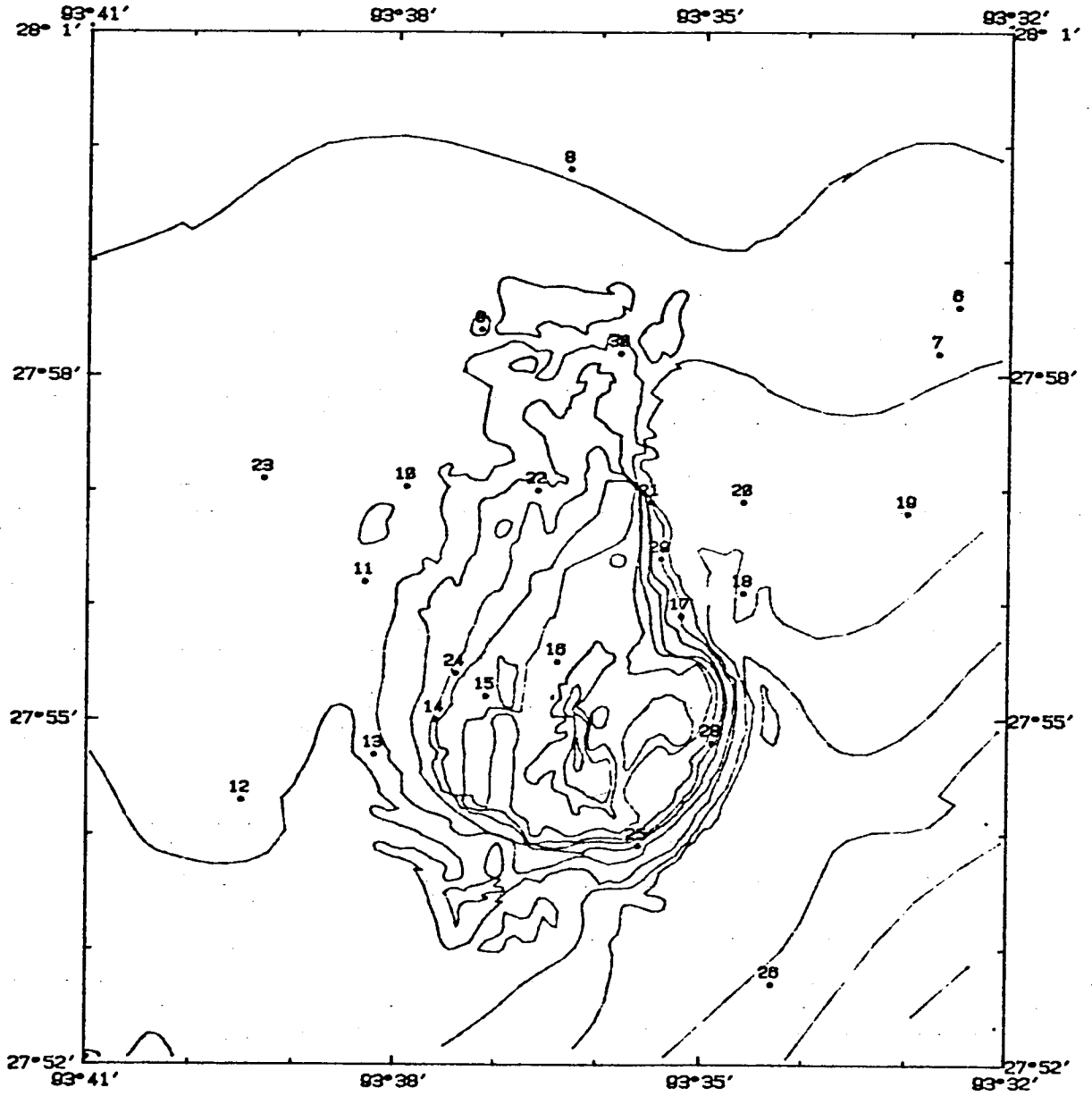
WATER TEMPERATURE AND SALINITY
Leg II M/V BLACK SEAL Sep 79

Date	Location	Sal o/oo		Temp °C	
		Surface	Bottom	Surface	Bottom
9/22	WFG	36	36	28	28.5
9/23	WFG	36	36	28	28.5
9/24	EFG	35	35	27	27
9/25	EFG	34	34	27	27
9/26	EFG	34	35	26.5	27
9/27	EFG	34	35.5	27	27

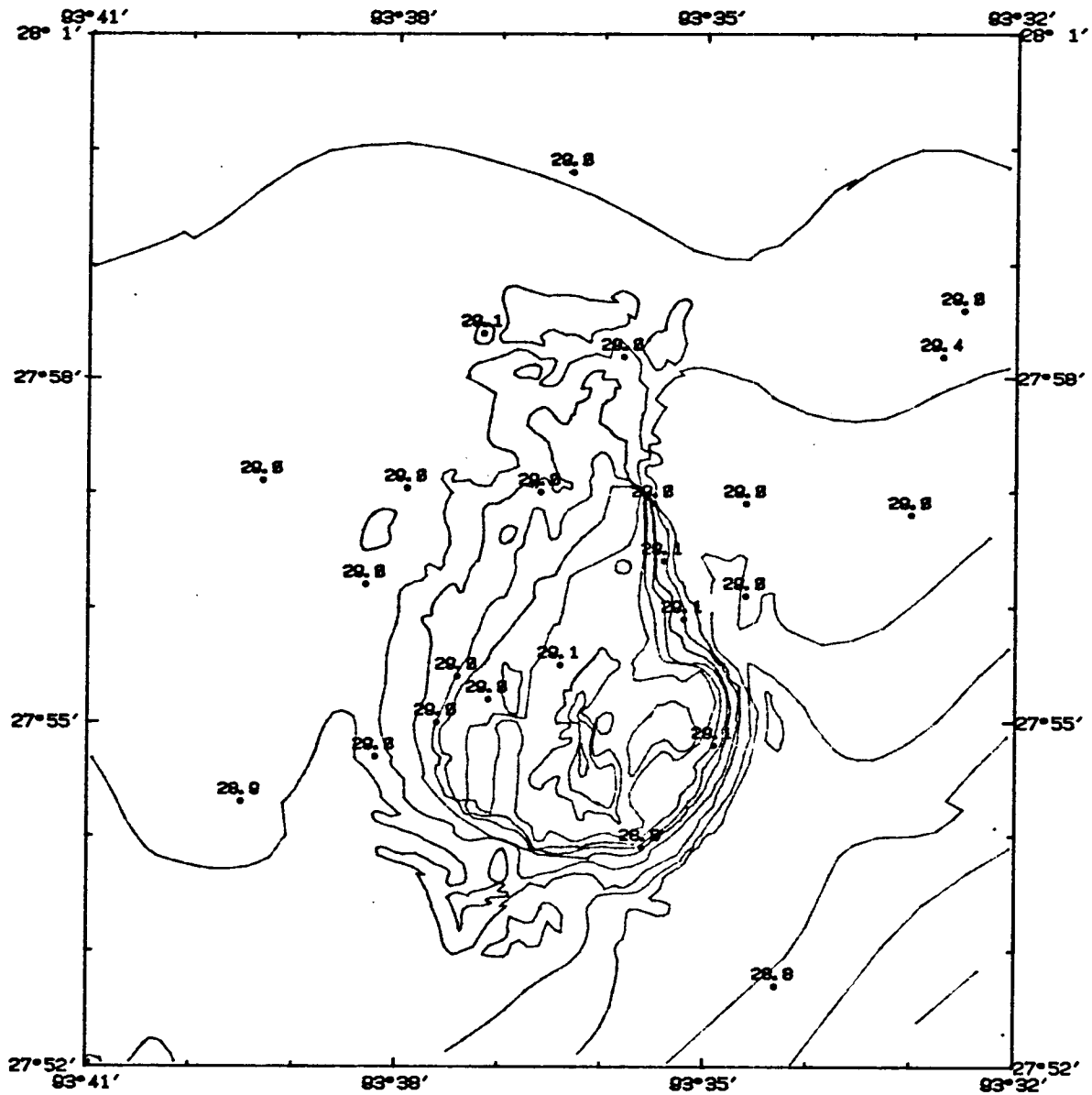
CRUISE: 79-BKS-1
XBT AND TRANSMISSOMETER POSITIONS
SHELF REGION



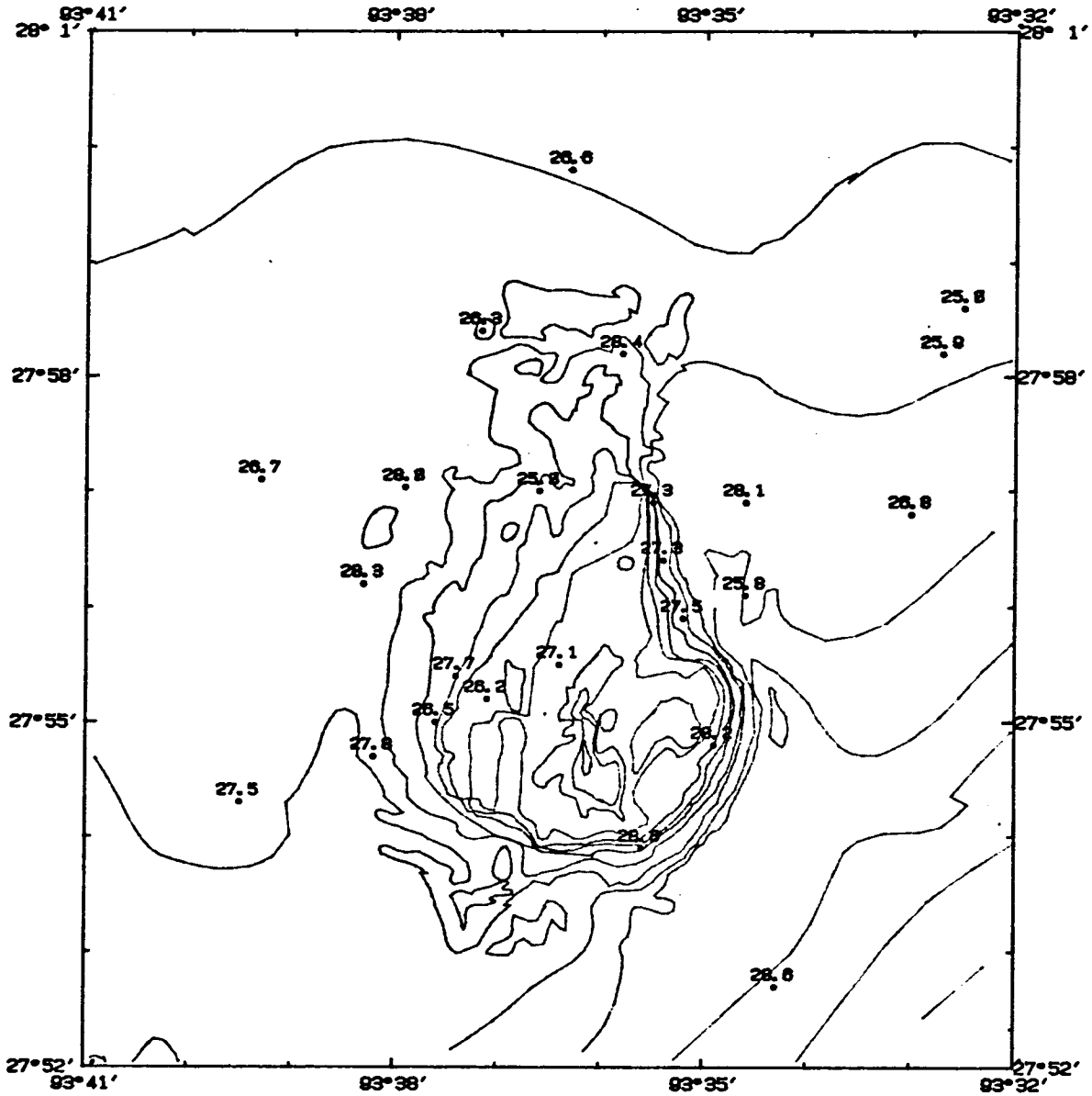
Cruise: 79-BKS-1
XBT Positions
EAST FLOWER GARDEN BANK



Cruise: 79-BKS-1
Temperature (deg. C) at 1 m Depth: XBT Data
EAST FLOWER GARDEN BANK



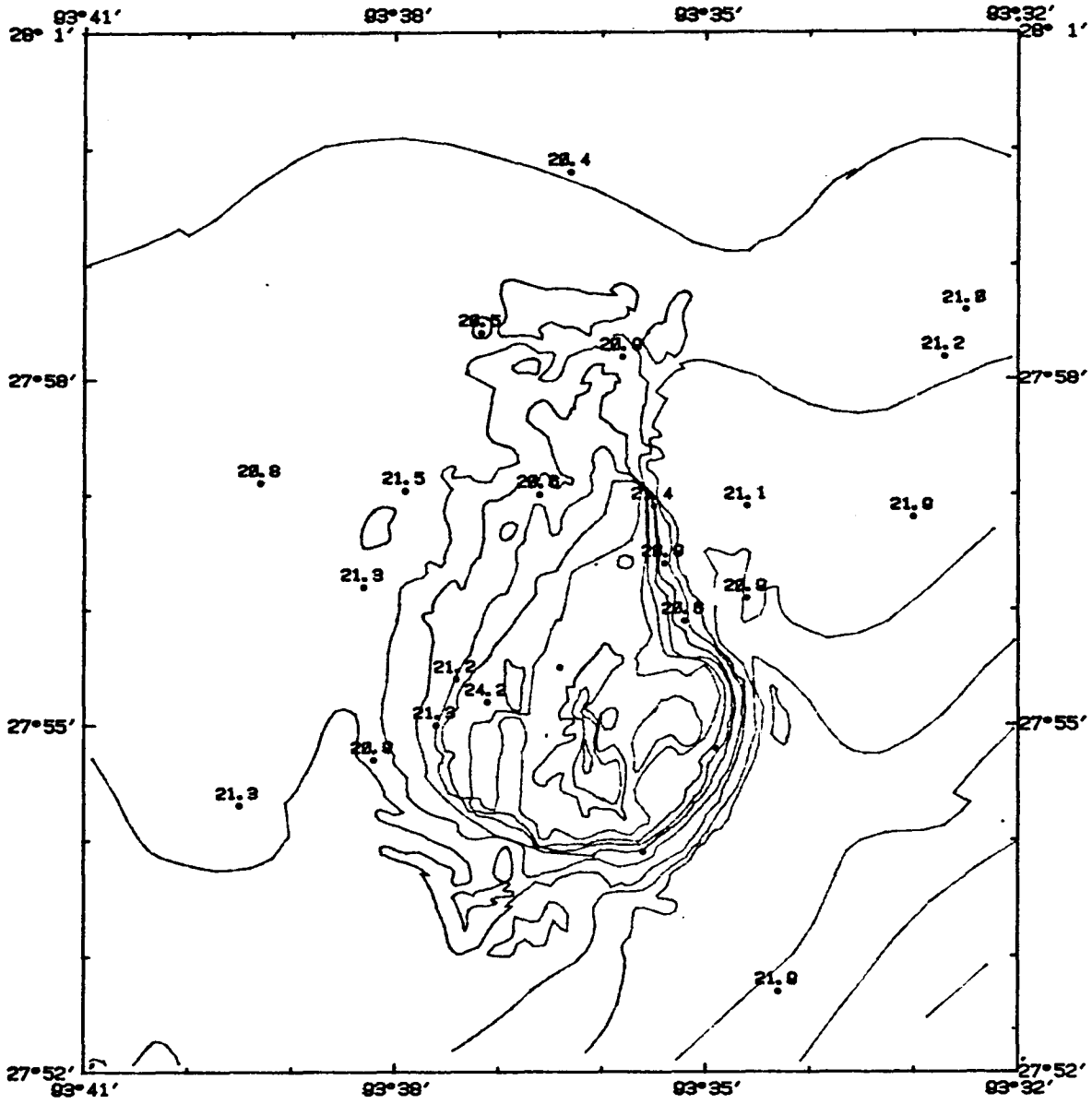
Cruises 79-BKS-1
Temperature (deg. C) at 40 m Depth: XBT Data
EAST FLOWER GARDEN BANK



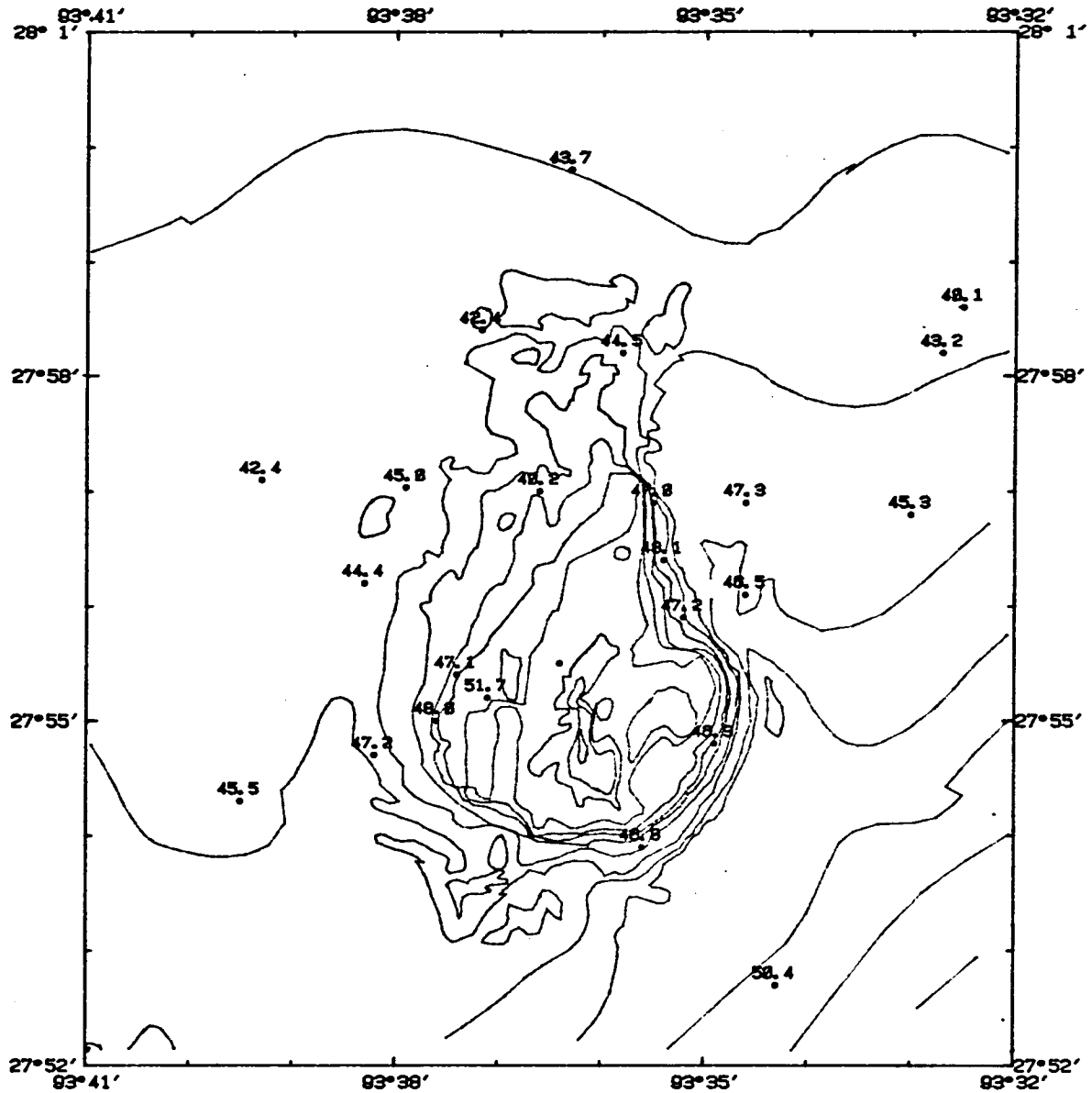
Cruise: 79-BKS-1

Temperature (deg. C) at 70 m Depths XBT Data

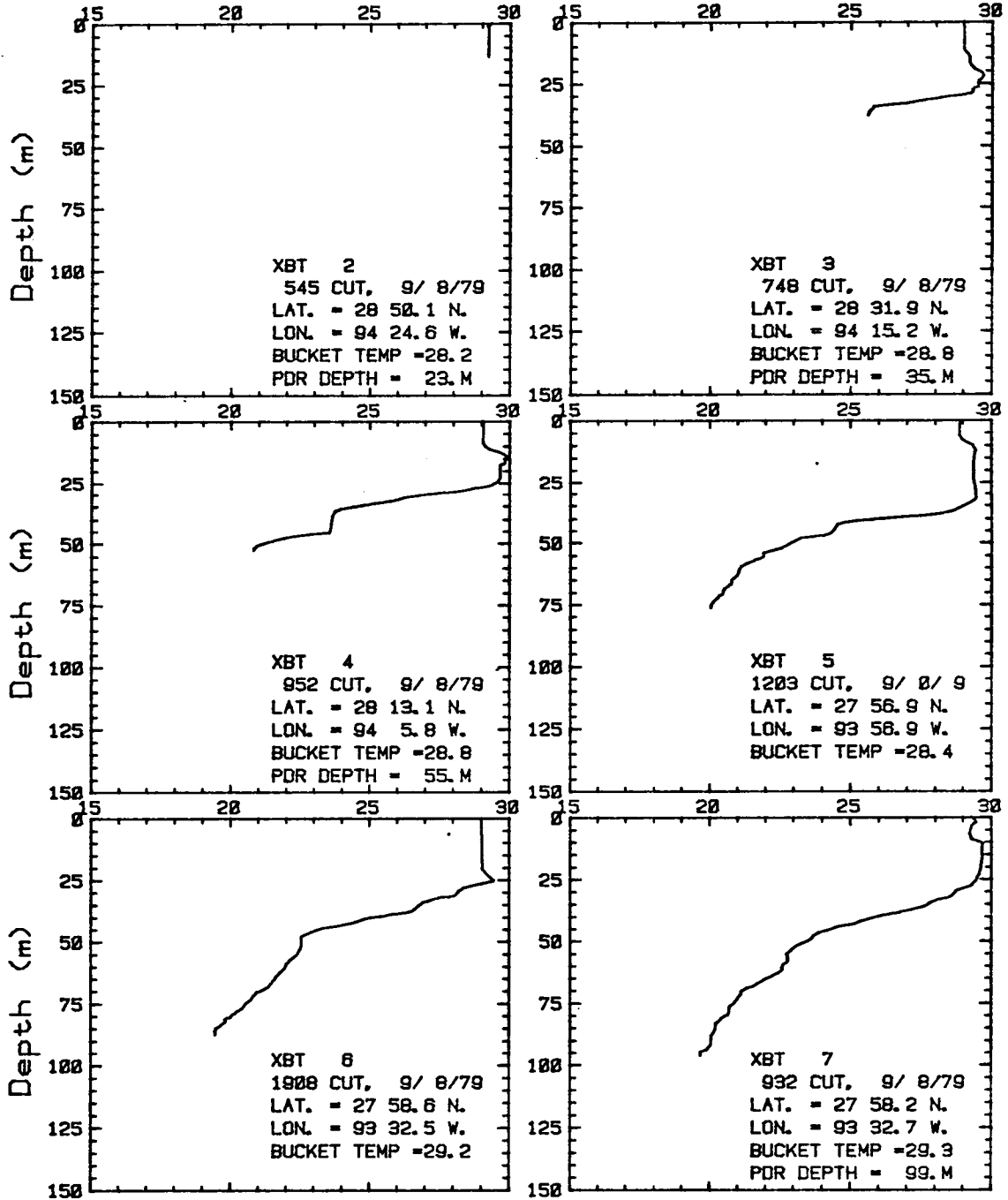
EAST FLOWER GARDEN BANK



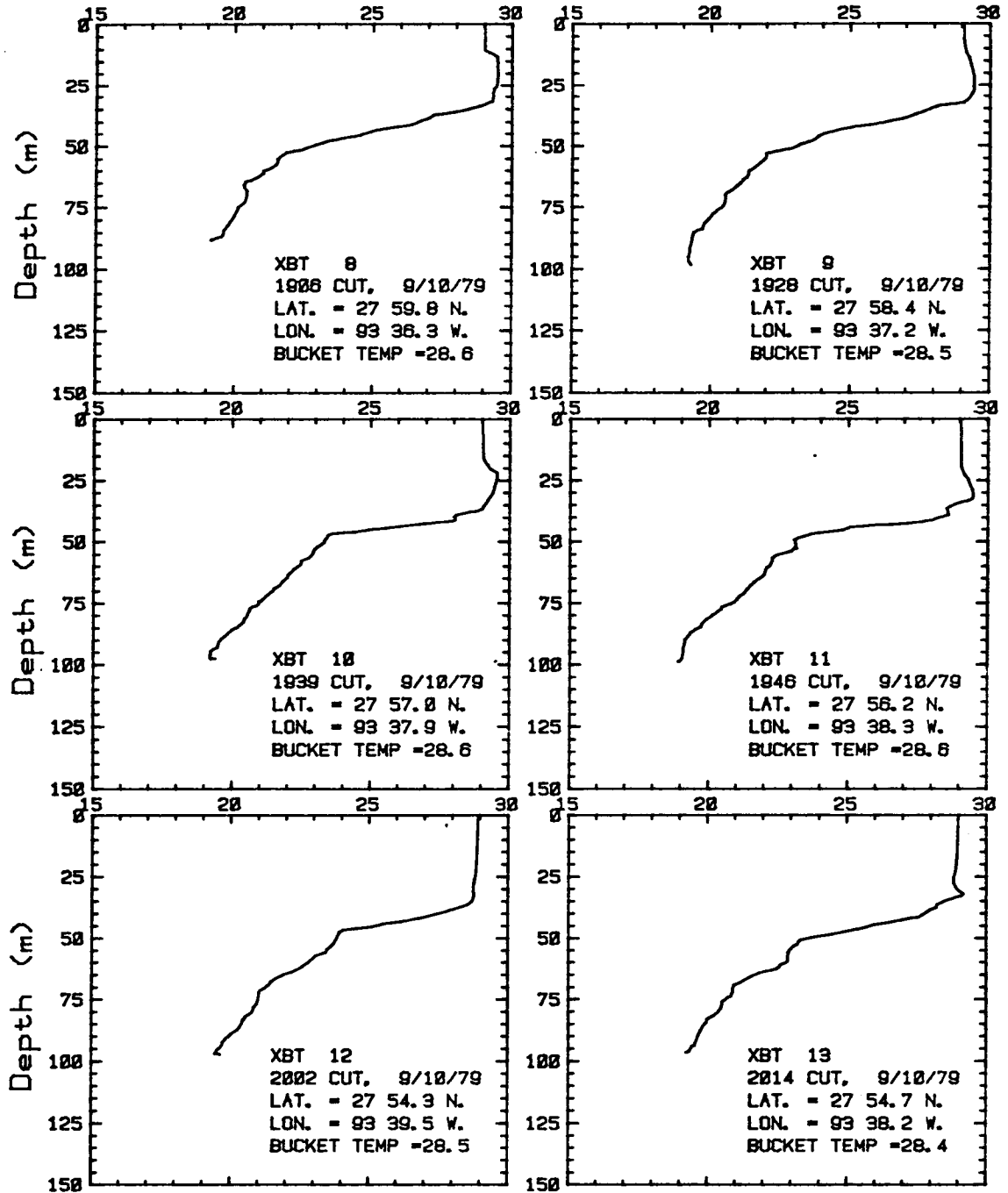
Cruise: 79-BKS-1
Depth (m) Where Temperature (deg C) = 25.0
EAST FLOWER GARDEN BANK



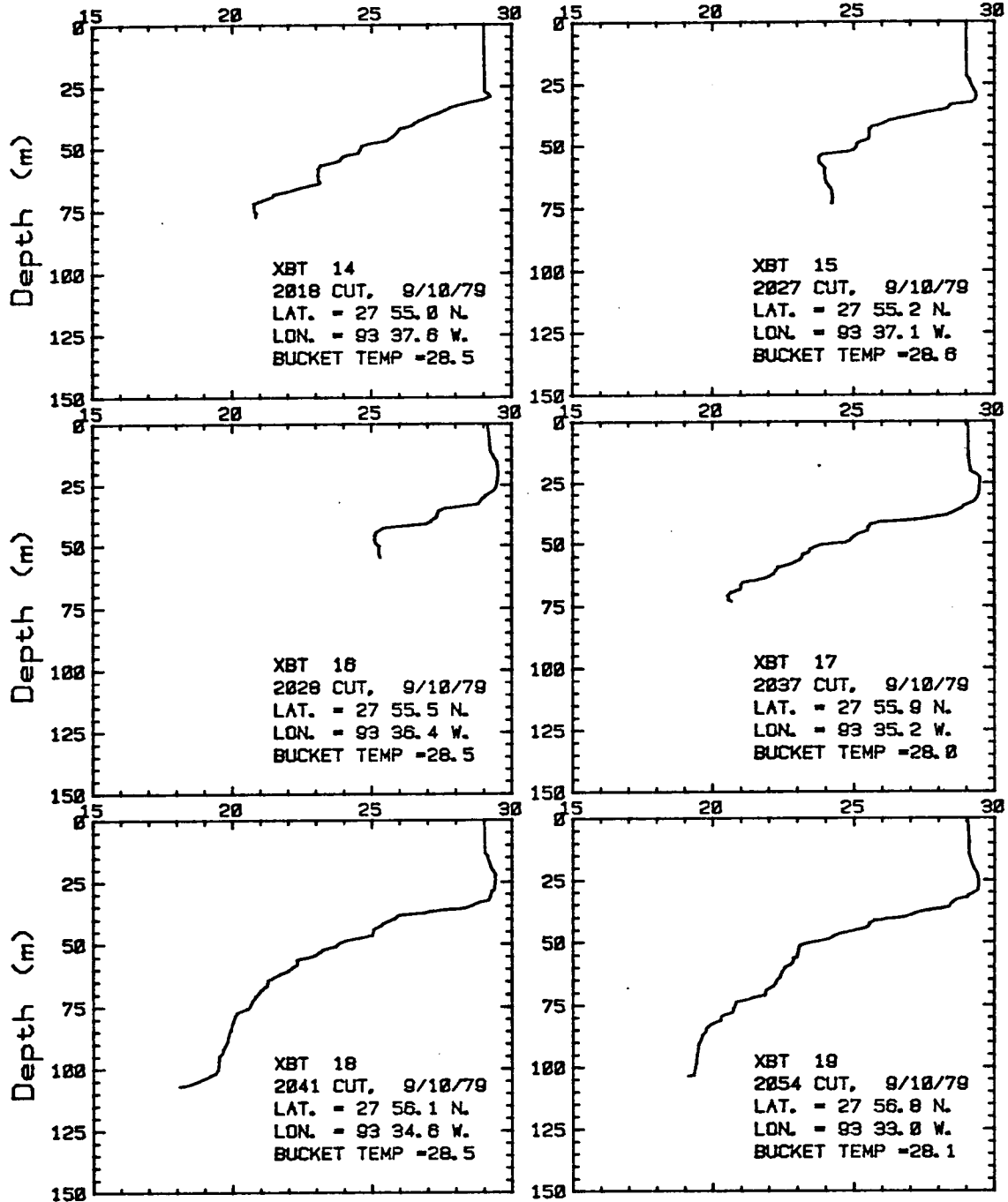
Temperature in Degrees Celsius



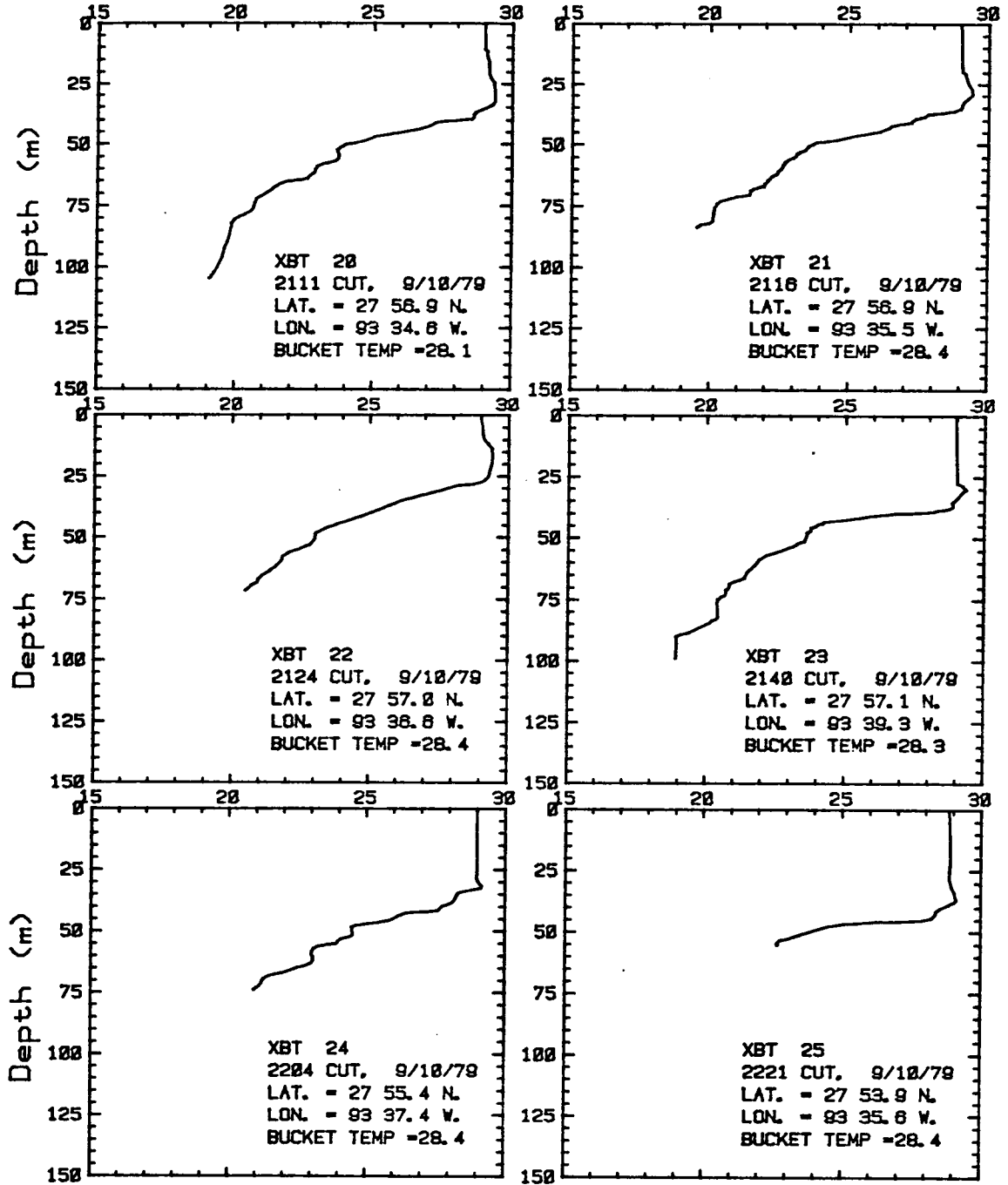
Temperature in Degrees Celsius



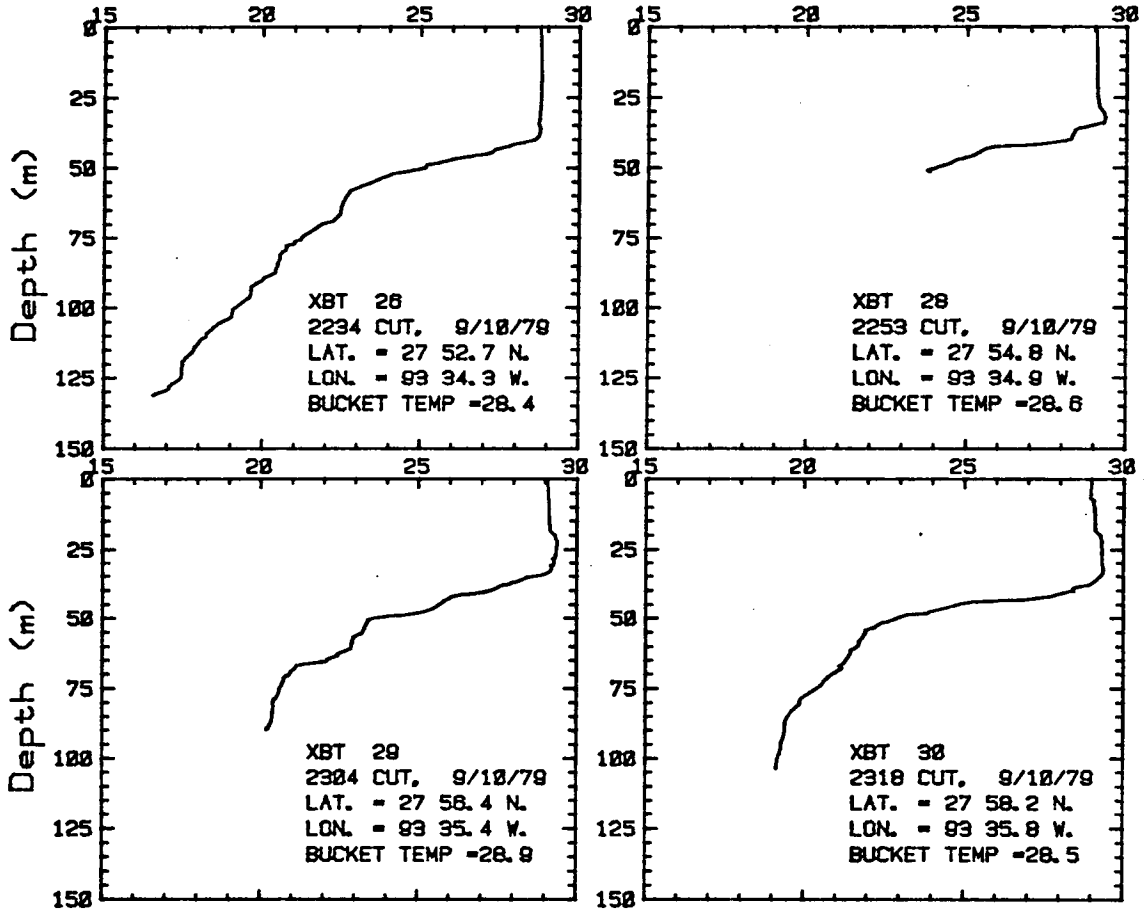
Temperature in Degrees Celsius



Temperature in Degrees Celsius



Temperature in Degrees Celsius



NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 2
 TIME = 545(CUT)
 LATITUDE = 28DEG. 50.10MIN.N.
 BUCKET TEMPERATURE = 28.20DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 PDR DEPTH = 23.1
 DATE = 9/ 8/79
 LONGITUDE = 94DEG. 24.60MIN.W.
 SURF. TEMP. DIFF. = -1.11DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.31	28.20	3.0	29.23	28.12	7.8	29.22	28.11
.9	29.21	28.10	5.4	29.22	28.11	10.3	29.22	28.11
						12.6	29.20	28.09
						13.6	29.21	28.10

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 3
 TIME = 748(CUT)
 LATITUDE = 28DEG. 31.90MIN.N.
 BUCKET TEMPERATURE = 28.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 PDR DEPTH = 35.2
 DATE = 9/ 8/79
 LONGITUDE = 94DEG. 15.20MIN.W.
 SURF. TEMP. DIFF. = -.21DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.01	28.80	22.0	29.68	29.47	30.9	28.13	27.92
11.3	29.01	28.80	22.9	29.63	29.42	31.4	27.87	27.66
12.3	29.06	28.85	23.7	29.55	29.34	31.7	27.62	27.40
13.1	29.13	28.92	24.5	29.50	29.29	32.2	27.41	27.20
14.2	29.20	28.99	25.6	29.51	29.30	32.5	27.20	26.99
15.2	29.21	29.00	26.3	29.50	29.29	33.1	27.00	26.79
16.6	29.21	29.00	26.7	29.40	29.19	33.4	26.63	26.42
17.4	29.24	29.03	27.4	29.32	29.11	33.7	26.29	26.08
18.2	29.29	29.08	28.3	29.31	29.10	34.1	25.94	25.73
19.5	29.39	29.18	28.8	29.27	29.06	34.3	25.79	25.58
19.9	29.49	29.28	29.5	29.02	28.81	35.2	25.75	25.54
20.4	29.59	29.38	29.9	28.82	28.61	35.9	25.66	25.45
21.2	29.66	29.45	30.3	28.48	28.27	37.6	25.59	25.38

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 4
 TIME = 952(CUT)
 LATITUDE = 28DEG. 13.15MIN.N.
 BUCKET TEMPERATURE = 28.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 PDR DEPTH = 55.5
 DATE = 9/ 8/79
 LONGITUDE = 94DEG. 5.80MIN.W.
 SURF. TEMP. DIFF. = -.27DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.07	28.80	23.9	29.60	29.32	36.8	23.75	23.48
8.6	29.04	28.77	24.9	29.50	29.23	38.4	23.65	23.38
10.0	29.13	28.86	26.3	29.23	28.96	43.1	23.59	23.31
11.1	29.29	29.02	26.9	28.98	28.71	44.5	23.57	23.30
12.0	29.57	29.29	27.3	28.69	28.42	45.4	23.54	23.27
13.0	29.78	29.51	27.9	28.53	28.26	45.8	23.18	22.91
13.8	29.89	29.62	28.9	28.14	27.86	46.1	22.88	22.61
14.7	29.87	29.60	29.4	27.55	27.27	46.5	22.52	22.25
15.9	29.84	29.57	30.2	26.97	26.70	47.1	22.21	21.93
16.6	29.82	29.55	31.3	26.25	25.98	47.7	21.93	21.65
17.1	29.76	29.49	32.7	25.84	25.56	48.8	21.53	21.26
17.4	29.68	29.41	33.8	25.18	24.90	49.9	21.17	20.89
18.8	29.65	29.38	34.6	24.73	24.45	50.7	20.94	20.66
20.8	29.67	29.39	35.4	24.28	24.00	51.6	20.85	20.58
22.6	29.67	29.39	36.0	23.91	23.64	52.2	20.82	20.55

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 5
 TIME = 1203(CUT)
 LATITUDE = 27DEG. 56.90MIN.N.
 BUCKET TEMPERATURE = 28.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/ 0/ 9
 LONGITUDE = 93DEG. 56.90MIN.W.
 SURF. TEMP. DIFF. = -.48DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.88	28.40	39.3	26.78	26.30	57.5	21.48	21.00
5.9	28.86	28.39	39.8	26.30	25.82	58.2	21.30	20.83
7.5	28.94	28.47	40.3	25.78	25.30	59.2	21.14	20.66
8.7	29.11	28.63	40.7	25.31	24.83	60.4	21.07	20.59
9.7	29.33	28.85	41.4	24.82	24.35	61.6	21.03	20.55
11.7	29.43	28.95	42.2	24.53	24.05	63.0	20.98	20.50
13.8	29.40	28.92	44.2	24.43	23.96	64.1	20.88	20.40
17.0	29.36	28.89	46.0	24.31	23.83	64.9	20.78	20.30
20.1	29.38	28.90	46.9	24.08	23.60	66.4	20.76	20.28
23.5	29.37	28.89	47.5	23.67	23.19	67.2	20.67	20.19
27.1	29.44	28.96	48.1	23.26	22.78	68.3	20.53	20.06
29.5	29.45	28.97	50.1	22.90	22.43	69.4	20.47	20.00
31.7	29.46	28.99	51.8	22.62	22.14	70.3	20.46	19.98
32.8	29.40	28.92	52.6	22.38	21.91	71.1	20.34	19.87
34.7	29.10	28.63	53.9	21.92	21.44	72.3	20.24	19.76
36.9	28.67	28.20	55.4	21.91	21.43	73.3	20.13	19.65
38.1	28.23	27.75	56.1	21.79	21.31	74.8	20.04	19.56
38.8	27.59	27.11	56.7	21.61	21.13	76.0	20.03	19.55

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 6

TIME = 1908(CUT)

LATITUDE = 27DEG. 58.60MIN.N.

BUCKET TEMPERATURE = 29.20DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/ 8/79

LONGITUDE = 93DEG. 32.50MIN.W.

SURF. TEMP. DIFF. = .20DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.00	29.20	38.7	25.81	26.01	63.6	21.67	21.87
20.5	29.05	29.25	39.5	25.41	25.60	66.6	21.47	21.67
21.7	29.14	29.34	39.9	25.07	25.27	68.1	21.37	21.57
22.8	29.22	29.42	40.5	24.81	25.01	69.2	21.20	21.40
23.8	29.32	29.52	41.2	24.63	24.82	69.9	21.09	21.28
24.8	29.43	29.62	42.1	24.40	24.59	70.3	20.95	21.15
25.2	29.44	29.63	43.0	24.00	24.19	71.6	20.84	21.04
25.5	29.36	29.56	43.8	23.67	23.87	73.2	20.73	20.93
26.2	29.08	29.28	44.2	23.32	23.52	74.7	20.56	20.76
27.2	28.70	28.90	45.0	23.12	23.31	76.8	20.42	20.62
28.1	28.36	28.56	46.0	22.88	23.08	78.0	20.25	20.45
29.2	28.21	28.41	47.8	22.55	22.74	79.5	20.06	20.26
31.1	28.06	28.26	49.7	22.54	22.74	80.3	20.00	20.20
31.6	27.89	28.08	51.3	22.55	22.75	80.6	19.90	20.09
31.9	27.53	27.73	52.7	22.51	22.71	81.1	19.83	20.03
32.9	27.24	27.43	54.5	22.42	22.62	82.2	19.82	20.02
33.9	26.91	27.11	56.0	22.28	22.48	82.8	19.75	19.95
35.1	26.77	26.97	56.9	22.16	22.36	83.9	19.64	19.83
36.6	26.63	26.83	58.5	22.02	22.22	84.7	19.52	19.72
37.5	26.50	26.70	60.5	21.95	22.15	85.7	19.46	19.66
38.1	26.27	26.47	62.0	21.81	22.01	87.1	19.46	19.66

NOCC COUNTRY CODE = 31

NOCC SHIP CODE = 99

XBT NUMBER = 7

TIME = 932(CUT)

LATITUDE = 27DEG. 58.20MIN.N.

BUCKET TEMPERATURE = 29.30DEG. C.

REMARKS:

NOCC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

PDR DEPTH = 98.8

DATE = 9/ 8/79

LONGITUDE = 93DEG. 32.70MIN.W.

SURF. TEMP. DIFF. = 69.51DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.31	98.82	32.4	28.43	97.94	62.4	22.50	92.01
.6	29.36	98.87	33.3	28.08	97.59	63.9	22.27	91.78
1.1	29.42	98.93	34.5	27.80	97.32	65.9	21.88	91.40
1.7	29.46	98.97	35.9	27.60	97.12	68.2	21.56	91.07
2.3	29.39	98.90	38.4	26.68	96.19	69.1	21.30	90.82
3.1	29.31	98.83	39.4	26.17	95.68	70.3	21.12	90.63
4.5	29.27	98.79	40.4	25.82	95.34	71.4	21.11	90.63
6.1	29.24	98.75	41.8	25.35	94.87	72.2	21.05	90.56
7.7	29.27	98.79	42.9	25.14	94.66	74.2	20.91	90.42
8.7	29.29	98.80	44.1	24.53	94.05	74.9	20.86	90.37
9.2	29.39	98.90	45.6	24.18	93.69	76.3	20.71	90.22
9.6	29.50	99.01	46.6	23.86	93.37	78.2	20.68	90.20
10.0	29.61	99.12	47.9	23.69	93.20	79.1	20.67	90.18
10.5	29.67	99.19	49.1	23.60	93.12	79.6	20.65	90.16
11.8	29.66	99.18	49.9	23.51	93.02	80.1	20.56	90.08
13.6	29.67	99.18	50.9	23.28	92.79	81.0	20.42	89.93
15.9	29.67	99.19	51.9	23.10	92.61	82.6	20.29	89.80
18.4	29.63	99.14	52.9	22.97	92.48	83.1	20.21	89.72
20.6	29.61	99.12	54.0	22.87	92.38	85.6	20.19	89.70
22.9	29.56	99.08	54.7	22.80	92.32	86.6	20.14	89.66
24.1	29.50	99.01	55.1	22.75	92.27	87.8	20.06	89.58
25.5	29.46	98.97	55.8	22.78	92.29	89.6	20.04	89.55
26.6	29.36	98.87	57.1	22.78	92.29	91.3	20.03	89.54
27.4	29.31	98.82	57.6	22.79	92.30	91.7	20.03	89.54
28.0	29.20	98.71	58.5	22.75	92.26	92.6	19.96	89.48
28.7	28.98	98.50	59.4	22.62	92.14	93.8	19.89	89.40
29.5	28.76	98.27	60.6	22.58	92.09	94.6	19.67	89.18
31.6	28.59	98.11	61.5	22.58	92.09	96.1	19.67	89.18

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 8
 TIME = 1906(CUT)
 LATITUDE = 27DEG. 59.80MIN.N.
 BUCKET TEMPERATURE = 28.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 36.30MIN.W.
 SURF. TEMP. DIFF. = -.42DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.02	28.60	37.2	27.19	26.77	59.8	21.08	20.66
10.6	29.03	28.61	38.4	27.02	26.60	60.9	21.04	20.62
11.4	29.18	28.76	39.6	26.70	26.27	62.1	20.90	20.48
12.4	29.33	28.95	40.8	26.47	26.05	63.8	20.62	20.20
13.1	29.46	29.03	41.4	26.29	25.87	64.3	20.41	19.99
15.2	29.49	29.07	42.0	25.91	25.49	65.6	20.35	19.93
17.3	29.49	29.07	42.4	25.64	25.22	66.8	20.37	19.95
19.7	29.50	29.08	43.5	25.05	24.63	67.9	20.45	20.03
21.9	29.50	29.08	45.5	24.52	24.10	68.6	20.45	20.03
24.7	29.46	29.04	46.8	23.93	23.51	70.9	20.43	20.01
25.6	29.44	29.02	48.2	23.30	22.88	72.8	20.36	19.94
26.3	29.38	28.96	50.9	22.52	22.10	75.0	20.14	19.72
28.4	29.33	28.91	51.4	22.43	22.01	76.7	20.07	19.65
30.0	29.34	28.91	51.9	22.12	21.70	78.6	19.98	19.56
31.3	29.31	28.89	52.5	21.85	21.43	80.6	19.85	19.43
32.0	29.30	28.88	53.9	21.66	21.24	82.2	19.75	19.33
32.7	29.13	28.71	54.9	21.57	21.15	83.9	19.63	19.20
33.5	28.95	28.52	56.1	21.55	21.13	85.9	19.58	19.16
34.9	28.49	28.07	57.2	21.51	21.08	86.5	19.54	19.12
36.1	27.96	27.54	58.5	21.37	20.95	87.1	19.38	18.96
36.8	27.50	27.07	59.5	21.20	20.77	87.7	19.22	18.80
						88.0	19.18	18.76

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 9

TIME = 1928(CUT)

LATITUDE = 27DEG. 58.40MIN.N.

BUCKET TEMPERATURE = 28.50DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 37.16MIN.W.

SURF. TEMP. DIFF. = -.60DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.10	28.50	39.7	26.46	25.86	66.2	20.93	20.34
6.0	29.07	28.47	41.0	25.89	25.29	67.9	20.76	20.16
8.6	29.10	28.51	42.2	25.08	24.48	69.0	20.56	19.96
11.0	29.15	28.55	43.6	24.55	23.95	69.7	20.52	19.92
12.1	29.18	28.58	45.2	24.03	23.44	72.8	20.50	19.90
13.5	29.25	28.66	46.2	23.84	23.25	74.0	20.46	19.87
15.9	29.32	28.72	47.8	23.66	23.08	75.3	20.38	19.78
18.5	29.38	28.78	48.8	23.39	22.79	76.3	20.23	19.63
21.7	29.43	28.84	49.5	23.20	22.60	77.7	20.07	19.48
25.0	29.43	28.84	50.9	22.97	22.37	79.6	19.92	19.33
27.1	29.43	28.84	51.6	22.62	22.02	81.1	19.79	19.19
28.4	29.39	28.79	53.0	22.00	21.40	82.3	19.72	19.12
30.7	29.27	28.67	54.8	21.97	21.37	83.5	19.70	19.10
31.9	29.16	28.56	56.6	21.79	21.19	84.2	19.52	18.93
32.6	29.07	28.47	58.9	21.55	20.95	84.9	19.40	18.80
33.2	28.73	28.13	60.1	21.37	20.78	85.5	19.37	18.77
33.6	28.37	27.77	61.8	21.34	20.74	86.8	19.33	18.73
33.9	28.15	27.55	62.8	21.29	20.70	88.9	19.30	18.71
35.2	27.83	27.24	63.6	21.17	20.57	91.0	19.25	18.65
36.6	27.43	26.84	64.5	21.12	20.52	93.0	19.24	18.64
38.4	27.00	26.40	65.3	21.03	20.44	94.9	19.19	18.60
						96.8	19.19	18.59
						98.1	19.27	18.68

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 10
 TIME = 1939(CUT)
 LATITUDE = 27DEG. 57.03MIN.N.
 BUCKET TEMPERATURE = 28.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 37.90MIN.W.
 SURF. TEMP. DIFF. = -.42DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.02	28.60	46.4	23.96	23.54	71.7	21.25	20.83
15.0	29.05	28.63	46.7	23.60	23.18	73.2	21.12	20.69
17.0	29.10	28.68	47.3	23.47	23.05	73.9	21.07	20.64
18.5	29.21	28.78	49.4	23.33	22.91	74.1	20.98	20.56
20.1	29.30	28.88	50.3	23.30	22.88	75.0	20.96	20.53
21.2	29.43	29.01	51.7	23.11	22.68	75.9	20.89	20.46
21.7	29.53	29.11	52.6	23.00	22.58	76.4	20.77	20.35
23.7	29.55	29.13	53.3	22.95	22.53	76.9	20.67	20.24
27.4	29.46	29.04	54.1	22.92	22.49	77.8	20.63	20.21
30.0	29.40	28.97	54.8	22.90	22.47	78.5	20.60	20.18
32.1	29.27	28.85	55.5	22.84	22.42	80.3	20.53	20.11
34.3	29.15	28.73	56.4	22.76	22.34	81.1	20.47	20.05
35.3	29.08	28.66	56.9	22.65	22.22	82.5	20.42	20.00
36.4	29.02	28.60	57.5	22.51	22.09	83.4	20.35	19.93
37.3	28.85	28.42	58.3	22.49	22.06	84.1	20.26	19.83
37.7	28.58	28.16	59.2	22.47	22.04	84.8	20.19	19.77
38.5	28.29	27.87	60.0	22.37	21.95	85.6	20.01	19.59
38.9	28.10	27.68	60.8	22.25	21.83	86.5	19.92	19.50
39.6	28.02	27.60	62.6	22.10	21.68	88.1	19.76	19.33
40.9	28.04	27.62	63.3	22.04	21.61	89.1	19.64	19.22
41.5	27.94	27.52	64.4	21.99	21.57	90.2	19.56	19.13
42.1	27.35	26.93	66.3	21.83	21.41	91.6	19.50	19.08
42.8	26.78	26.36	68.0	21.69	21.27	92.9	19.47	19.05
43.7	26.08	25.66	68.5	21.61	21.18	93.7	19.33	18.91
44.2	25.68	25.25	69.0	21.53	21.11	94.4	19.25	18.83
45.1	24.94	24.52	69.9	21.48	21.05	95.6	19.23	18.81
46.1	24.42	24.00	70.4	21.41	20.99	96.9	19.21	18.79
						97.5	19.23	18.80
						97.6	19.38	18.95

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 11

TIME = 1946(CUT)

LATITUDE = 27DEG. 56.20MIN.N.

BUCKET TEMPERATURE = 28.60DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 38.30MIN.W.

SURF. TEMP. DIFF. = -.43DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.03	28.60	44.5	24.96	24.53	65.2	21.79	21.36
19.4	29.05	28.61	45.0	24.88	24.45	66.5	21.64	21.21
22.6	29.16	28.72	45.4	24.78	24.35	67.7	21.52	21.09
24.7	29.31	28.87	45.8	24.49	24.06	69.0	21.41	20.98
26.6	29.36	28.93	46.3	24.09	23.66	71.0	21.25	20.82
28.7	29.45	29.02	46.9	23.67	23.24	72.1	21.10	20.67
30.8	29.48	29.05	47.7	23.46	23.03	73.4	21.01	20.58
32.3	29.46	29.02	48.7	23.18	22.75	74.5	20.91	20.48
33.0	29.37	28.94	49.3	23.08	22.65	75.2	20.77	20.34
33.8	29.06	28.63	50.5	23.11	22.67	75.9	20.61	20.18
34.5	28.85	28.42	51.9	23.11	22.68	76.4	20.48	20.05
35.5	28.65	28.22	52.6	23.15	22.72	77.3	20.44	20.01
36.3	28.54	28.11	52.9	23.07	22.64	78.4	20.31	19.87
37.3	28.56	28.12	53.8	22.96	22.53	79.6	20.16	19.73
38.3	28.58	28.14	54.8	22.66	22.23	81.9	19.89	19.45
38.8	28.59	28.16	55.5	22.41	21.98	83.2	19.76	19.33
39.3	28.48	28.05	56.4	22.30	21.87	84.6	19.71	19.27
40.3	28.18	27.75	57.6	22.29	21.85	85.7	19.50	19.07
41.0	28.01	27.58	58.8	22.24	21.81	86.7	19.36	18.92
41.8	27.63	27.20	59.8	22.19	21.75	88.2	19.26	18.83
42.5	27.12	26.68	60.3	22.11	21.68	89.5	19.15	18.72
42.9	26.62	26.18	61.3	22.06	21.63	91.2	19.13	18.69
43.3	25.89	25.46	62.3	22.03	21.60	93.3	19.07	18.64
43.8	25.49	25.06	63.3	22.01	21.58	96.0	19.06	18.63
44.1	25.06	24.63	64.1	21.95	21.52	97.5	19.03	18.60
						98.6	18.96	18.53
						98.8	18.91	18.48

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 12

TIME = 2002(CUT)

LATITUDE = 27DEG. 54.30MIN.N.

BUCKET TEMPERATURE = 28.50DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 39.50MIN.W.

SURF. TEMP. DIFF. = -.42DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.92	28.50	46.1	24.46	24.04	71.8	21.04	20.62
6.4	28.90	28.48	46.6	24.04	23.63	75.3	21.00	20.58
15.5	28.88	28.46	47.3	23.93	23.52	76.6	20.96	20.54
22.7	28.85	28.43	48.9	23.86	23.45	78.1	20.85	20.44
25.6	28.81	28.40	50.5	23.80	23.38	80.2	20.79	20.37
28.6	28.76	28.34	52.3	23.70	23.28	81.1	20.66	20.24
30.9	28.76	28.34	54.7	23.47	23.06	82.0	20.55	20.14
32.2	28.78	28.36	55.8	23.44	23.02	83.1	20.47	20.05
34.8	28.72	28.30	57.2	23.06	22.65	86.0	20.35	19.93
36.5	28.54	28.12	59.2	22.89	22.47	87.2	20.27	19.85
38.3	28.02	27.60	61.8	22.59	22.17	89.0	20.04	19.62
39.9	27.55	27.13	63.8	22.22	21.80	90.9	19.84	19.43
41.7	26.88	26.46	64.9	21.92	21.50	92.3	19.73	19.32
43.3	26.14	25.72	66.7	21.60	21.18	93.5	19.70	19.29
44.0	25.55	25.13	67.8	21.46	21.04	94.2	19.66	19.24
45.4	25.09	24.68	69.0	21.38	20.97	95.2	19.55	19.14
						96.8	19.46	19.04
						97.2	19.62	19.20

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 13

TIME = 2014(CUT)

LATITUDE = 27DEG. 54.70MIN.N.

BUCKET TEMPERATURE = 28.40DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 38.20MIN.W.

SURF. TEMP. DIFF. = -.60DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.00	28.40	41.9	27.27	26.67	68.4	21.12	20.52
17.1	28.94	28.34	43.7	26.47	25.87	69.1	20.97	20.37
19.8	28.92	28.32	44.6	25.95	25.35	70.3	20.92	20.32
23.1	28.88	28.28	45.9	25.56	24.96	72.3	20.90	20.29
25.6	28.83	28.23	47.1	25.05	24.45	73.8	20.85	20.25
27.6	28.83	28.23	48.5	24.43	23.83	74.1	20.77	20.16
29.4	28.91	28.31	49.6	23.81	23.21	75.2	20.64	20.04
30.7	29.00	28.40	50.8	23.32	22.72	75.8	20.54	19.94
31.3	29.08	28.48	51.2	23.29	22.69	77.3	20.52	19.92
31.9	29.16	28.56	52.5	23.23	22.63	78.5	20.49	19.89
32.4	29.15	28.55	53.0	23.13	22.52	79.9	20.40	19.80
32.9	29.07	28.47	54.5	22.98	22.38	81.6	20.22	19.62
33.8	28.81	28.21	55.7	22.92	22.31	82.3	20.10	19.50
34.9	28.51	27.91	57.7	22.88	22.27	83.0	20.00	19.40
35.8	28.35	27.75	59.8	22.88	22.28	84.4	19.95	19.35
36.3	28.23	27.63	60.5	22.76	22.16	85.4	19.87	19.27
37.1	28.21	27.61	60.9	22.65	22.05	87.5	19.75	19.15
37.7	28.19	27.59	61.8	22.59	21.99	89.4	19.67	19.07
38.0	28.10	27.50	62.7	22.48	21.88	93.0	19.56	18.96
38.4	28.00	27.40	63.2	22.32	21.72	93.6	19.54	18.93
39.1	27.89	27.29	64.3	21.86	21.26	94.1	19.45	18.85
40.6	27.70	27.10	66.0	21.52	20.91	94.9	19.40	18.80
41.5	27.54	26.94	67.3	21.30	20.70	95.9	19.35	18.74
						96.1	19.32	18.72
						96.4	19.25	18.65

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 14

TIME = 2018(CUT)

LATITUDE = 27DEG. 55.00MIN.N.

BUCKET TEMPERATURE = 28.50DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 37.60MIN.W.

SURF. TEMP. DIFF. = -.49DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.99	28.50	43.4	25.91	25.42	58.1	23.08	22.59
27.1	29.04	28.55	45.0	25.77	25.28	62.6	23.09	22.60
27.8	29.14	28.65	46.2	25.64	25.15	63.0	23.12	22.63
28.9	29.23	28.74	46.8	25.55	25.06	63.7	23.14	22.65
30.3	28.99	28.50	47.6	25.25	24.76	64.3	23.05	22.56
31.4	28.49	28.00	48.1	24.91	24.42	64.9	22.81	22.32
32.7	28.01	27.52	49.0	24.64	24.15	65.9	22.44	21.95
33.4	27.82	27.33	50.8	24.58	24.09	67.3	22.00	21.51
34.5	27.63	27.14	52.0	24.53	24.04	68.0	21.68	21.19
35.8	27.37	26.88	52.4	24.37	23.88	68.5	21.50	21.01
36.8	27.07	26.58	52.8	24.16	23.66	69.3	21.44	20.95
37.9	26.88	26.38	53.2	24.01	23.52	69.9	21.32	20.83
38.7	26.70	26.21	53.9	23.93	23.44	70.6	21.12	20.63
39.5	26.56	26.07	54.8	23.86	23.37	71.4	20.94	20.45
40.6	26.45	25.96	55.5	23.74	23.25	72.0	20.78	20.29
41.3	26.29	25.80	56.5	23.32	22.83	73.2	20.79	20.30
41.9	26.03	25.53	56.7	23.18	22.69	74.9	20.80	20.31
						75.5	20.85	20.36
						77.1	20.85	20.36

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 15

TIME = 2027(CUT)

LATITUDE = 27DEG. 55.20MIN.N.

BUCKET TEMPERATURE = 28.60DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 37.10MIN.W.

SURF. TEMP. DIFF. = -.39DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.99	28.60	36.2	27.69	27.30	52.5	24.80	24.40
22.0	29.01	28.62	39.8	26.21	25.82	52.8	24.49	24.09
23.0	29.09	28.70	40.4	26.14	25.74	53.6	23.88	23.49
24.9	29.15	28.76	41.4	25.90	25.51	54.6	23.77	23.38
26.6	29.23	28.83	42.1	25.64	25.25	56.0	23.77	23.38
28.4	29.32	28.93	42.8	25.57	25.18	57.0	23.78	23.39
29.8	29.36	28.96	44.0	25.54	25.14	57.6	23.85	23.46
31.4	29.32	28.92	45.7	25.55	25.15	59.0	23.97	23.57
32.4	29.20	28.81	47.2	25.52	25.13	63.2	23.98	23.59
32.8	28.89	28.50	47.8	25.41	25.01	65.1	24.04	23.64
33.1	28.59	28.20	48.2	25.28	24.89	66.8	24.16	23.77
33.4	28.45	28.06	48.7	25.17	24.77	68.0	24.23	23.83
34.0	28.39	27.99	49.1	25.11	24.72	69.5	24.24	23.85
34.9	28.31	27.92	50.7	25.07	24.67	70.8	24.26	23.86
35.5	28.12	27.73	51.7	25.00	24.61	73.1	24.24	23.84

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 16

TIME = 2028(CUT)

LATITUDE = 27DEG. 55.50MIN.N.

BUCKET TEMPERATURE = 28.50DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 36.40MIN.W.

SURF. TEMP. DIFF. = -.64DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.14	28.50	30.3	29.02	28.38	39.4	27.17	26.53
6.4	29.20	28.56	30.8	28.95	28.32	40.0	27.12	26.48
11.3	29.24	28.60	32.1	28.87	28.23	40.6	27.03	26.39
12.7	29.32	28.68	32.6	28.84	28.20	41.1	26.94	26.30
14.3	29.39	28.75	33.2	28.82	28.18	41.5	26.51	25.87
15.2	29.46	28.82	33.5	28.64	28.00	42.7	25.40	24.77
16.6	29.49	28.85	34.5	28.07	27.44	44.6	25.16	24.52
19.8	29.52	28.88	35.1	27.62	26.98	45.8	25.12	24.48
23.3	29.49	28.85	36.0	27.40	26.76	47.3	25.11	24.47
25.7	29.45	28.81	37.0	27.36	26.72	48.6	25.13	24.50
27.3	29.37	28.73	37.8	27.34	26.70	49.3	25.17	24.54
28.5	29.21	28.58	38.4	27.32	26.68	49.9	25.25	24.61
29.5	29.08	28.44	39.0	27.24	26.60	50.6	25.27	24.63
						52.6	25.26	24.62
						54.3	25.30	24.66

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 17
 TIME = 2037(CUT)
 LATITUDE = 27DEG. 55.90MIN.N.
 BUCKET TEMPERATURE = 28.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 35.20MIN.W.
 SURF. TEMP. DIFF. = -1.07DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.07	28.00	41.2	25.90	24.83	57.2	22.93	21.86
14.6	29.08	28.01	41.7	25.75	24.67	58.3	22.71	21.64
20.3	29.17	28.09	42.1	25.60	24.53	59.0	22.46	21.39
20.9	29.27	28.20	43.3	25.51	24.43	59.3	22.34	21.26
21.6	29.39	28.32	44.6	25.49	24.42	60.6	22.25	21.17
22.8	29.48	28.41	45.3	25.37	24.30	61.9	22.18	21.11
26.6	29.48	28.40	46.0	25.15	24.08	63.1	22.05	20.98
29.9	29.44	28.36	47.0	25.03	23.95	63.7	21.89	20.81
31.3	29.39	28.32	48.0	24.92	23.85	64.7	21.59	20.52
32.8	29.29	28.22	48.7	24.89	23.81	65.2	21.30	20.23
34.0	29.12	28.05	49.7	24.72	23.64	65.6	21.05	19.98
34.8	28.94	27.87	50.1	24.23	23.16	66.5	21.00	19.93
36.0	28.80	27.73	50.8	23.81	22.74	68.2	20.99	19.92
37.0	28.63	27.55	52.3	23.45	22.37	68.7	20.88	19.80
38.6	28.31	27.23	53.3	23.42	22.35	69.6	20.64	19.57
39.5	27.75	26.68	54.1	23.30	22.23	70.4	20.56	19.49
40.4	27.20	26.13	54.3	23.21	22.13	71.4	20.55	19.48
40.8	26.64	25.56	55.3	23.16	22.09	72.2	20.56	19.49
41.1	26.21	25.14	56.3	23.10	22.03	72.9	20.65	19.57

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 18

TIME = 2041(CUT)

LATITUDE = 27DEG. 56.10MIN.N.

BUCKET TEMPERATURE = 28.50DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 34.60MIN.W.

SURF. TEMP. DIFF. = -.51DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.01	28.50	41.8	25.38	24.87	65.7	21.23	20.72
13.1	29.04	28.53	42.4	25.33	24.82	66.3	21.23	20.72
14.3	29.11	28.60	44.1	25.05	24.54	66.9	21.16	20.65
16.4	29.17	28.66	45.3	25.03	24.52	68.0	21.03	20.52
17.4	29.21	28.70	46.5	25.02	24.51	70.7	20.82	20.31
18.7	29.24	28.73	46.9	24.85	24.34	72.4	20.71	20.20
20.0	29.30	28.79	47.5	24.60	24.09	74.5	20.62	20.11
21.7	29.40	28.89	48.0	24.35	23.84	75.5	20.56	20.05
24.2	29.40	28.89	48.6	24.06	23.55	76.0	20.46	19.95
26.8	29.38	28.87	49.6	23.83	23.32	76.6	20.31	19.80
28.2	29.36	28.85	50.4	23.75	23.24	77.2	20.17	19.66
28.7	29.27	28.76	51.1	23.68	23.17	78.4	20.10	19.59
29.2	29.27	28.76	51.5	23.53	23.02	80.0	20.04	19.53
30.7	29.23	28.72	51.9	23.37	22.86	82.0	19.98	19.47
32.6	29.16	28.65	52.2	23.24	22.73	83.9	19.93	19.42
33.0	29.02	28.51	53.3	23.11	22.60	85.9	19.86	19.35
33.3	28.86	28.35	54.3	22.97	22.46	87.5	19.82	19.31
34.1	28.69	28.18	55.0	22.82	22.31	88.9	19.80	19.29
35.0	28.51	28.00	55.5	22.62	22.11	90.6	19.72	19.21
35.8	28.31	27.80	55.8	22.43	21.92	91.9	19.66	19.15
36.2	27.94	27.43	56.2	22.32	21.81	93.6	19.62	19.11
36.4	27.61	27.10	57.1	22.31	21.80	94.6	19.53	19.02
36.9	27.19	26.68	58.2	22.29	21.78	96.5	19.50	18.99
37.0	27.07	26.56	58.8	22.21	21.70	99.0	19.49	18.98
37.6	26.91	26.40	59.7	22.10	21.59	100.4	19.46	18.95
38.0	26.57	26.06	60.7	21.96	21.45	101.8	19.37	18.86
38.3	26.16	25.65	62.0	21.69	21.18	102.6	19.23	18.72
38.7	25.91	25.40	63.3	21.46	20.95	103.7	19.03	18.52
39.6	25.84	25.33	64.0	21.36	20.85	105.1	18.75	18.24
40.6	25.62	25.11	64.4	21.26	20.75	106.0	18.53	18.02
						106.8	18.30	17.79
						107.0	18.11	17.60

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 19
 TIME = 2054(CUT)
 LATITUDE = 27DEG. 56.80MIN.N.
 BUCKET TEMPERATURE = 28.10DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 33.00MIN.W.
 SURF. TEMP. DIFF. = -.94DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.04	28.10	45.2	25.00	24.06	71.4	21.68	20.73
8.6	29.09	28.15	46.0	24.71	23.77	72.0	21.42	20.48
14.0	29.08	28.14	46.7	24.47	23.53	72.9	21.17	20.23
18.9	29.21	28.27	47.3	24.33	23.39	73.4	20.93	19.99
22.7	29.39	28.44	48.8	24.09	23.15	73.7	20.84	19.90
25.2	29.43	28.48	49.5	23.80	22.86	74.7	20.79	19.85
27.6	29.43	28.48	50.3	23.40	22.45	76.1	20.74	19.80
29.4	29.38	28.44	51.0	23.17	22.23	77.9	20.71	19.77
30.5	29.21	28.26	51.3	23.09	22.14	79.3	20.32	19.38
31.2	29.07	28.13	52.8	23.03	22.09	80.2	20.29	19.34
32.1	29.04	28.09	54.4	23.00	22.05	81.2	20.28	19.34
32.4	28.88	27.94	55.9	22.98	22.04	81.7	20.17	19.23
33.0	28.65	27.71	56.1	22.87	21.93	82.6	19.98	19.04
34.1	28.50	27.56	57.1	22.86	21.91	83.4	19.86	18.92
36.1	28.36	27.42	58.1	22.82	21.88	84.5	19.77	18.83
36.6	28.15	27.21	59.0	22.75	21.81	85.7	19.75	18.80
37.2	27.77	26.83	60.0	22.57	21.63	86.8	19.66	18.71
37.8	27.43	26.48	61.6	22.47	21.53	88.4	19.59	18.65
38.3	27.22	26.27	62.8	22.41	21.47	89.8	19.54	18.60
39.2	27.01	26.07	64.0	22.40	21.46	90.8	19.49	18.55
40.0	26.77	25.83	64.6	22.33	21.39	92.5	19.47	18.53
40.5	26.41	25.47	65.3	22.28	21.34	95.1	19.43	18.49
40.7	26.14	25.20	66.3	22.24	21.30	96.8	19.41	18.47
41.1	25.94	25.00	67.4	22.17	21.23	98.3	19.41	18.46
41.4	25.69	24.75	68.2	22.04	21.09	100.1	19.36	18.42
42.2	25.56	24.61	68.8	21.93	20.99	101.9	19.34	18.40
43.6	25.50	24.55	70.0	21.88	20.93	103.2	19.32	18.38
44.4	25.37	24.42	70.9	21.86	20.91	103.6	19.14	18.19

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 20

TIME = 2111(CUT)

LATITUDE = 27DEG. 56.90MIN.N.

BUCKET TEMPERATURE = 28.10DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 34.60MIN.W.

SURF. TEMP. DIFF. = -.89DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.99	28.10	40.5	27.60	26.70	63.9	22.63	21.74
9.8	29.02	28.13	40.8	27.34	26.45	64.5	22.43	21.54
10.8	29.00	28.11	41.0	27.28	26.38	65.0	22.10	21.21
11.5	29.08	28.19	41.8	27.15	26.25	65.3	21.84	20.94
13.4	29.09	28.20	43.6	26.75	25.85	66.3	21.60	20.71
14.3	29.10	28.21	44.9	26.18	25.29	67.8	21.38	20.49
15.4	29.15	28.25	46.0	25.56	24.66	69.6	21.17	20.27
16.5	29.16	28.26	46.9	25.09	24.19	71.0	20.94	20.05
18.6	29.16	28.27	48.6	24.71	23.82	72.0	20.77	19.88
21.2	29.18	28.29	49.6	24.34	23.45	73.6	20.71	19.82
22.5	29.23	28.33	50.2	24.00	23.11	75.8	20.65	19.76
24.4	29.35	28.46	51.3	23.80	22.91	77.3	20.56	19.67
28.3	29.38	28.49	52.0	23.70	22.81	78.4	20.37	19.48
31.2	29.38	28.49	52.9	23.71	22.81	79.4	20.15	19.26
32.7	29.37	28.48	54.0	23.75	22.86	80.4	19.99	19.09
33.6	29.31	28.41	55.4	23.74	22.84	81.7	19.89	18.99
34.8	29.14	28.25	56.5	23.64	22.75	86.8	19.80	18.91
36.2	28.88	27.98	57.3	23.40	22.51	89.7	19.72	18.83
36.9	28.69	27.80	58.0	23.16	22.26	92.4	19.62	18.72
37.5	28.63	27.74	58.8	22.97	22.08	94.4	19.57	18.68
38.6	28.63	27.73	60.0	22.91	22.02	96.1	19.53	18.64
39.6	28.57	27.67	61.4	22.87	21.98	100.2	19.36	18.47
39.8	28.33	27.44	62.0	22.81	21.91	102.1	19.25	18.35
40.2	27.98	27.09	63.0	22.67	21.78	103.5	19.16	18.27
						104.5	19.10	18.21

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 21
 TIME = 2116(CUT)
 LATITUDE = 27DEG. 56.90MIN.N.
 BUCKET TEMPERATURE = 28.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 35.50MIN.W.
 SURF. TEMP. DIFF. = -.61DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.01	28.40	41.1	27.05	26.44	62.1	22.39	21.78
16.2	29.03	28.42	41.6	26.76	26.15	62.8	22.27	21.66
19.7	29.05	28.44	42.4	26.48	25.88	64.5	22.09	21.48
20.3	29.13	28.52	43.1	26.41	25.80	65.7	22.00	21.39
22.4	29.20	28.59	43.9	26.24	25.63	66.9	21.95	21.34
24.9	29.27	28.66	44.6	26.09	25.48	67.3	21.80	21.19
27.0	29.39	28.78	45.5	25.74	25.13	68.1	21.56	20.96
29.4	29.42	28.81	46.3	25.29	24.68	68.5	21.48	20.87
30.7	29.31	28.70	47.4	24.87	24.26	69.3	21.45	20.84
31.6	29.20	28.59	48.3	24.53	23.92	70.2	21.42	20.82
32.7	29.11	28.50	49.2	23.82	23.21	70.7	21.21	20.60
34.0	29.04	28.43	50.8	23.52	22.91	71.2	20.92	20.31
35.4	29.00	28.39	52.1	23.41	22.81	72.0	20.65	20.05
36.3	28.77	28.17	52.9	23.24	22.63	72.9	20.37	19.77
37.0	28.39	27.79	53.3	23.14	22.54	73.6	20.26	19.65
37.3	28.03	27.43	54.5	23.07	22.47	75.1	20.18	19.57
37.6	27.80	27.19	55.3	22.98	22.38	77.1	20.13	19.53
38.3	27.71	27.10	55.7	22.86	22.25	79.5	20.10	19.49
38.7	27.59	26.98	56.7	22.72	22.12	80.9	20.09	19.48
39.3	27.35	26.75	57.9	22.64	22.04	81.8	19.99	19.38
40.0	27.27	26.66	59.7	22.56	21.95	82.4	19.68	19.07
40.8	27.22	26.61	60.8	22.46	21.85	83.3	19.55	18.94

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 22
 TIME = 2124(CUT)
 LATITUDE = 27DEG. 57.00MIN.N.
 BUCKET TEMPERATURE = 28.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 36.60MIN.W.
 SURF. TEMP. DIFF. = -.60DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.00	28.40	28.8	28.17	27.57	54.8	22.45	21.85
7.9	29.08	28.48	29.9	27.86	27.25	56.0	22.08	21.48
9.9	29.13	28.53	31.6	27.34	26.74	57.8	21.84	21.24
11.6	29.25	28.65	33.3	26.80	26.20	59.5	21.79	21.19
13.4	29.39	28.79	35.3	26.12	25.52	61.4	21.64	21.04
15.7	29.42	28.82	37.9	25.52	24.92	63.7	21.37	20.77
19.0	29.40	28.80	40.6	24.90	24.30	65.5	21.10	20.50
21.7	29.35	28.74	46.0	23.46	22.86	66.8	20.96	20.36
25.0	29.27	28.66	48.5	23.02	22.42	68.2	20.92	20.32
27.0	29.11	28.51	50.5	23.00	22.40	69.1	20.73	20.13
28.4	28.74	28.14	52.8	22.86	22.26	71.6	20.49	19.89

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 23

TIME = 2140(CUT)

LATITUDE = 27DEG. 57.10MIN.N.

BUCKET TEMPERATURE = 28.30DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 39.30MIN.W.

SURF. TEMP. DIFF. = -.66DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.96	28.30	44.3	24.01	23.35	66.8	21.23	20.57
27.7	29.02	28.36	45.1	23.93	23.26	67.4	21.03	20.37
28.3	29.19	28.53	45.6	23.84	23.18	68.3	20.83	20.17
29.4	29.27	28.61	45.7	23.78	23.12	69.6	20.82	20.16
30.1	29.33	28.67	46.4	23.75	23.09	70.3	20.79	20.13
30.8	29.25	28.59	47.0	23.74	23.08	70.6	20.72	20.06
31.7	29.17	28.51	47.7	23.63	22.97	71.3	20.72	20.06
33.2	29.07	28.41	50.6	23.55	22.89	72.6	20.69	20.03
34.8	28.92	28.25	51.3	23.52	22.86	73.1	20.69	20.03
35.3	28.85	28.19	52.1	23.28	22.61	73.5	20.59	19.93
36.1	28.86	28.20	53.1	23.14	22.48	74.4	20.44	19.78
37.2	28.86	28.20	53.9	22.94	22.28	75.9	20.41	19.75
38.0	28.73	28.07	54.3	22.85	22.19	78.2	20.42	19.76
39.3	27.97	27.31	55.7	22.51	21.85	80.8	20.43	19.77
39.6	27.34	26.68	57.0	22.15	21.49	81.9	20.44	19.78
39.9	26.78	26.12	57.8	22.02	21.36	83.0	20.37	19.71
40.5	26.25	25.59	58.6	21.92	21.25	83.4	20.23	19.57
40.9	25.86	25.20	59.7	21.84	21.18	84.5	20.12	19.45
41.6	25.51	24.85	60.9	21.75	21.09	88.4	19.38	18.72
42.4	25.02	24.36	62.5	21.61	20.95	89.2	19.09	18.43
43.1	24.39	23.73	63.7	21.48	20.82	89.9	18.93	18.27
43.4	24.22	23.56	64.8	21.42	20.76	92.5	18.94	18.28
44.0	24.17	23.51	65.9	21.39	20.73	96.3	18.92	18.26
						98.8	18.91	18.25

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 24
 TIME = 2204(CUT)
 LATITUDE = 27DEG. 55.40MIN.N.
 BUCKET TEMPERATURE = 28.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 37.40MIN.W.
 SURF. TEMP. DIFF. = -.58DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.98	28.40	42.4	26.71	26.14	55.6	23.56	22.98
25.8	28.99	28.42	42.9	26.38	25.80	56.2	23.23	22.65
28.3	28.96	28.39	43.8	26.16	25.58	57.0	23.09	22.52
29.8	29.03	28.45	44.8	25.99	25.42	58.1	23.03	22.45
31.2	29.13	28.55	45.6	25.83	25.26	59.3	23.00	22.42
32.4	29.14	28.56	46.5	25.44	24.86	60.2	23.05	22.47
33.0	28.90	28.32	47.2	24.92	24.35	61.9	23.07	22.50
33.8	28.54	27.97	47.9	24.58	24.00	63.0	22.99	22.42
34.5	28.30	27.72	48.3	24.48	23.90	64.1	22.78	22.20
36.6	28.20	27.63	49.3	24.47	23.90	64.8	22.50	21.92
38.1	28.13	27.55	50.8	24.50	23.92	66.2	22.18	21.60
38.6	28.04	27.47	51.5	24.51	23.93	67.1	21.94	21.37
39.4	27.89	27.31	52.1	24.43	23.86	67.7	21.67	21.09
39.8	27.76	27.19	52.5	24.36	23.78	68.4	21.43	20.85
40.4	27.69	27.11	53.3	24.07	23.49	69.3	21.29	20.71
41.4	27.62	27.05	53.9	23.99	23.41	70.1	21.23	20.65
41.7	27.53	26.96	54.8	23.94	23.37	71.2	21.18	20.61
42.1	27.22	26.64	55.2	23.88	23.30	72.5	21.10	20.52
						73.1	21.01	20.44
						73.8	20.94	20.37

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 25

TIME = 2221(CUT)

LATITUDE = 27DEG. 53.90MIN.N.

BUCKET TEMPERATURE = 28.40DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 35.60MIN.W.

SURF. TEMP. DIFF. = -.45DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.85	28.40	37.5	29.05	28.61	45.7	26.25	25.80
13.4	28.89	28.44	38.8	28.82	28.37	46.4	25.53	25.09
22.9	28.89	28.44	40.5	28.50	28.06	46.7	25.02	24.58
24.9	28.87	28.42	41.4	28.39	27.94	47.8	24.45	24.00
28.0	28.85	28.41	42.8	28.33	27.89	49.9	23.83	23.39
31.0	28.92	28.47	44.2	28.21	27.77	51.1	23.48	23.04
33.8	29.04	28.59	45.2	27.86	27.42	52.7	23.04	22.59
36.9	29.11	28.66	45.6	27.15	26.71	53.3	22.78	22.33
						54.0	22.69	22.25
						55.0	22.68	22.23

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 26
 TIME = 2234(CUT)

LATITUDE = 27DEG. 52.70MIN.N.
 BUCKET TEMPERATURE = 28.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79
 LONGITUDE = 93DEG. 34.30MIN.W.
 SURF. TEMP. DIFF. = -.37DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.77	28.40	66.3	22.44	22.07	95.2	19.63	19.26
16.9	28.80	28.43	68.9	22.23	21.86	96.2	19.60	19.23
28.3	28.77	28.40	69.5	22.00	21.63	99.9	19.18	18.82
32.9	28.73	28.36	69.8	21.89	21.52	100.6	19.08	18.71
34.2	28.71	28.34	70.5	21.78	21.41	101.8	19.06	18.69
35.9	28.76	28.40	71.3	21.69	21.32	102.8	19.03	18.66
37.3	28.76	28.39	72.6	21.53	21.16	103.5	18.99	18.62
38.7	28.71	28.34	73.4	21.41	21.04	104.5	18.81	18.44
40.2	28.60	28.23	74.3	21.29	20.92	105.7	18.60	18.23
41.0	28.29	27.92	74.9	21.24	20.87	106.8	18.48	18.11
41.7	27.95	27.58	75.7	21.21	20.84	107.7	18.40	18.03
42.8	27.62	27.25	76.0	21.09	20.72	108.8	18.27	17.90
43.6	27.34	26.97	76.3	21.03	20.66	109.8	18.23	17.86
44.7	27.23	26.86	76.9	21.01	20.64	110.4	18.22	17.85
45.1	27.10	26.74	77.4	20.96	20.59	111.0	18.12	17.75
45.9	26.65	26.28	77.5	20.85	20.48	111.8	18.04	17.67
47.0	26.02	25.66	77.8	20.77	20.40	112.8	17.98	17.61
48.4	25.55	25.18	78.5	20.76	20.39	113.9	17.89	17.52
49.0	25.18	24.82	79.4	20.72	20.35	115.9	17.78	17.41
49.8	25.16	24.79	79.8	20.65	20.28	117.5	17.62	17.25
50.3	25.05	24.68	80.8	20.58	20.21	119.0	17.49	17.12
51.2	24.61	24.25	81.9	20.55	20.18	121.6	17.46	17.10
52.1	24.10	23.73	84.2	20.47	20.10	123.4	17.46	17.09
53.8	23.71	23.34	85.9	20.43	20.06	124.5	17.46	17.09
55.3	23.42	23.05	87.2	20.41	20.04	125.9	17.34	16.97
56.6	23.10	22.73	87.6	20.34	19.97	127.1	17.18	16.81
58.1	22.76	22.39	89.1	20.06	19.69	127.9	17.09	16.72
60.4	22.63	22.26	90.2	19.97	19.60	128.8	17.07	16.70
62.1	22.54	22.18	91.1	19.83	19.46	129.7	16.96	16.59
63.6	22.49	22.12	92.3	19.66	19.30	130.3	16.77	16.41
64.7	22.47	22.10	93.3	19.64	19.27	130.8	16.66	16.29
						131.2	16.58	16.21

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 28

TIME = 2253(CUT)

LATITUDE = 27DEG. 54.80MIN.N.

BUCKET TEMPERATURE = 28.60DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 34.90MIN.W.

SURF. TEMP. DIFF. = -.45DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.05	28.60	35.4	28.77	28.31	42.6	25.80	25.35
7.9	29.07	28.62	35.9	28.51	28.06	43.2	25.59	25.13
18.0	29.08	28.62	36.5	28.40	27.95	43.9	25.47	25.02
24.6	29.09	28.64	37.7	28.34	27.89	44.7	25.36	24.91
26.0	29.13	28.67	38.7	28.30	27.84	45.6	25.21	24.76
28.4	29.15	28.70	39.6	28.27	27.82	46.4	24.97	24.51
30.4	29.28	28.83	40.1	28.20	27.75	47.3	24.64	24.19
32.1	29.33	28.88	40.6	28.01	27.55	48.4	24.47	24.02
33.4	29.31	28.85	41.7	27.27	26.82	49.1	24.29	23.84
34.0	29.30	28.84	42.1	26.73	26.27	49.7	24.11	23.66
34.6	29.06	28.61	42.2	26.27	25.82	50.9	23.77	23.32
						51.3	23.82	23.36

NODC COUNTRY CODE = 31
 NODC SHIP CODE = 99
 XBT NUMBER = 29
 TIME = 2304(CUT)
 LATITUDE = 27DEG. 56.40MIN.N.
 BUCKET TEMPERATURE = 28.90DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 79-BKS-1
 DATE = 9/10/79
 LONGITUDE = 93DEG. 35.40MIN.W.
 SURF. TEMP. DIFF. = -.17DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.07	28.90	40.6	27.06	26.89	63.6	22.37	22.20
16.1	29.14	28.96	41.3	26.63	26.46	64.1	22.23	22.06
18.6	29.16	28.99	41.5	26.34	26.17	64.7	22.13	21.95
19.9	29.30	29.12	42.2	26.05	25.88	65.3	22.09	21.91
22.1	29.38	29.20	43.6	25.82	25.65	65.6	21.98	21.81
27.0	29.33	29.15	45.2	25.63	25.46	66.0	21.74	21.57
28.0	29.30	29.13	46.5	25.45	25.28	66.6	21.32	21.14
28.1	29.26	29.09	47.5	25.21	25.04	67.1	21.14	20.97
29.5	29.28	29.11	48.1	24.99	24.82	69.4	20.95	20.77
30.5	29.28	29.11	48.6	24.75	24.58	70.4	20.90	20.73
30.8	29.21	29.04	49.0	24.46	24.28	70.7	20.81	20.63
31.1	29.19	29.02	49.3	24.06	23.89	71.3	20.76	20.58
32.1	29.20	29.03	49.8	23.75	23.58	72.1	20.74	20.57
33.1	29.15	28.97	50.3	23.51	23.33	73.1	20.70	20.52
33.7	29.08	28.91	50.6	23.42	23.25	74.1	20.65	20.48
34.3	28.98	28.80	51.6	23.37	23.20	75.0	20.60	20.43
34.8	28.82	28.65	52.8	23.32	23.14	76.5	20.57	20.40
35.3	28.53	28.35	54.3	23.26	23.08	77.8	20.53	20.35
35.5	28.41	28.23	55.5	23.19	23.02	78.3	20.50	20.33
36.3	28.27	28.09	56.0	23.06	22.88	78.6	20.45	20.28
37.0	28.10	27.92	56.5	22.96	22.79	79.6	20.41	20.24
37.4	27.95	27.77	57.6	22.91	22.74	81.5	20.41	20.24
37.8	27.88	27.71	59.1	22.88	22.71	83.3	20.39	20.21
38.1	27.79	27.62	60.7	22.85	22.67	85.0	20.37	20.20
38.2	27.68	27.50	61.3	22.74	22.57	86.7	20.35	20.18
38.7	27.55	27.37	62.0	22.56	22.38	87.8	20.30	20.13
39.3	27.43	27.26	62.5	22.46	22.29	89.1	20.25	20.08
39.9	27.33	27.15	63.3	22.45	22.27	89.6	20.21	20.03
						89.2	20.21	20.04

NODC COUNTRY CODE = 31

NODC SHIP CODE = 99

XBT NUMBER = 30

TIME = 2318(CUT)

LATITUDE = 27DEG. 58.20MIN.N.

BUCKET TEMPERATURE = 28.50DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = 79-BKS-1

DATE = 9/10/79

LONGITUDE = 93DEG. 35.80MIN.W.

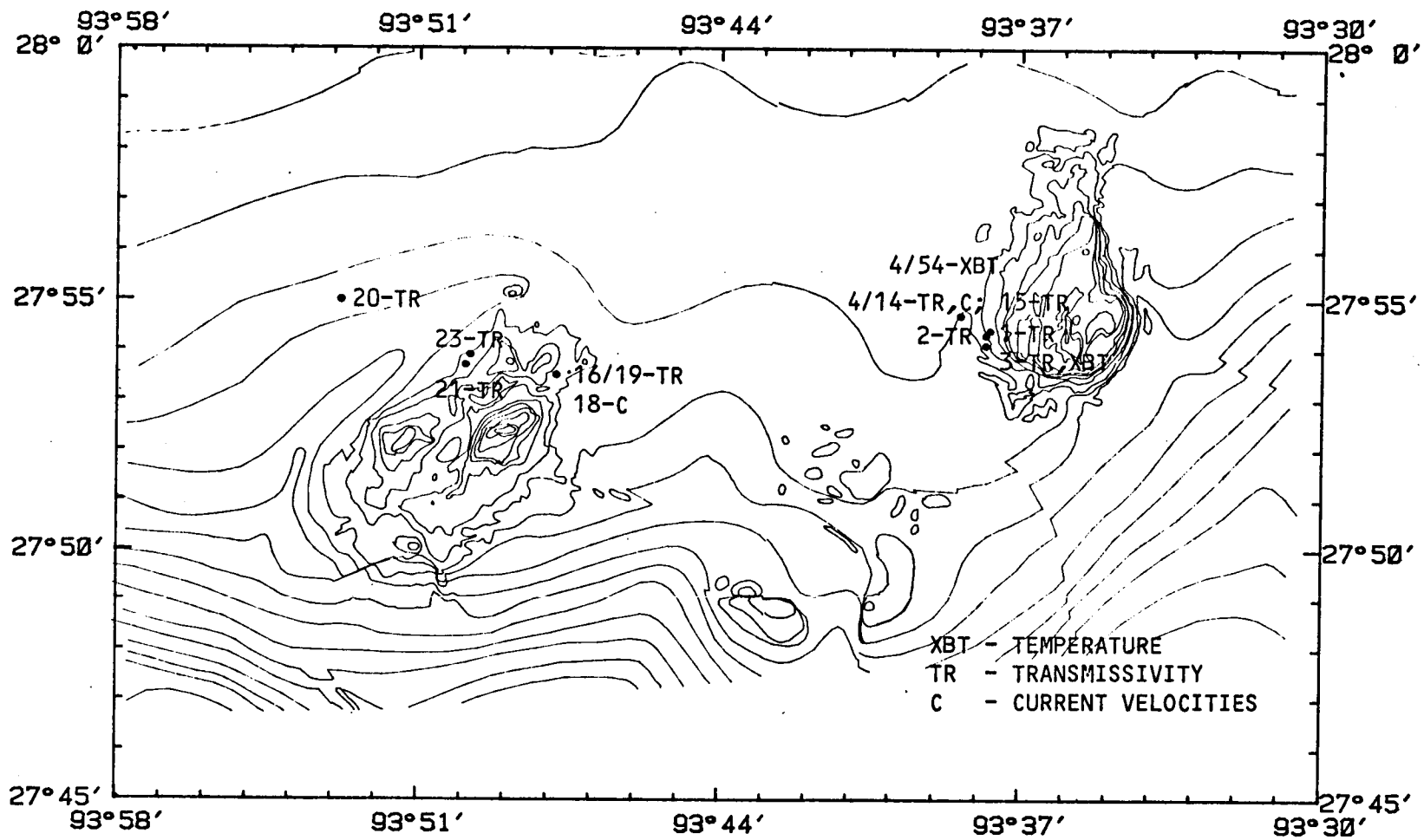
SURF. TEMP. DIFF. = -.48DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	28.98	28.50	43.4	26.34	25.86	67.0	21.12	20.64
6.7	28.96	28.48	43.7	25.86	25.37	67.6	21.16	20.68
7.4	29.05	28.57	44.0	25.26	24.78	68.1	21.17	20.69
9.9	29.08	28.60	44.6	24.92	24.44	68.6	21.09	20.61
12.9	29.11	28.63	47.0	24.17	23.69	69.4	20.96	20.48
15.9	29.11	28.63	47.6	23.93	23.45	70.9	20.76	20.28
18.1	29.12	28.63	48.2	23.84	23.35	72.2	20.63	20.15
18.8	29.16	28.68	48.5	23.52	23.03	73.8	20.53	20.04
19.8	29.26	28.78	48.7	23.22	22.73	75.6	20.29	19.81
21.8	29.32	28.84	49.5	23.03	22.55	76.0	20.21	19.73
25.6	29.33	28.85	50.1	22.87	22.39	76.9	20.11	19.63
28.3	29.32	28.84	51.4	22.61	22.13	77.7	19.99	19.51
30.4	29.34	28.86	51.8	22.43	21.95	78.3	19.92	19.44
32.3	29.37	28.88	52.3	22.32	21.83	78.9	19.88	19.40
33.4	29.36	28.87	53.3	22.22	21.73	79.4	19.87	19.38
34.6	29.30	28.82	53.8	22.08	21.60	80.5	19.85	19.37
36.2	29.15	28.67	54.2	21.96	21.47	81.3	19.77	19.29
37.7	28.98	28.50	55.3	21.92	21.44	82.8	19.61	19.13
38.2	28.88	28.39	56.1	21.88	21.39	84.1	19.53	19.05
38.4	28.69	28.20	57.7	21.75	21.27	85.5	19.45	18.96
38.7	28.53	28.05	58.7	21.72	21.24	86.9	19.40	18.92
39.1	28.44	27.95	59.5	21.70	21.22	88.9	19.39	18.91
40.0	28.45	27.96	60.1	21.64	21.16	90.3	19.39	18.91
40.5	28.19	27.71	61.1	21.50	21.01	91.7	19.36	18.87
41.3	27.91	27.42	62.7	21.43	20.95	94.4	19.28	18.80
42.0	27.69	27.21	64.7	21.32	20.84	96.2	19.27	18.79
42.6	27.27	26.79	66.0	21.25	20.77	98.2	19.21	18.73
43.2	26.86	26.38	66.5	21.19	20.70	100.0	19.15	18.67
						102.0	19.13	18.65
						103.4	19.11	18.63

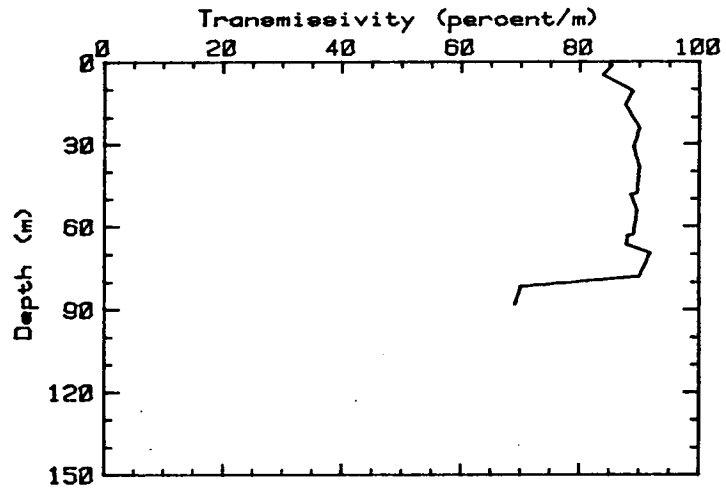
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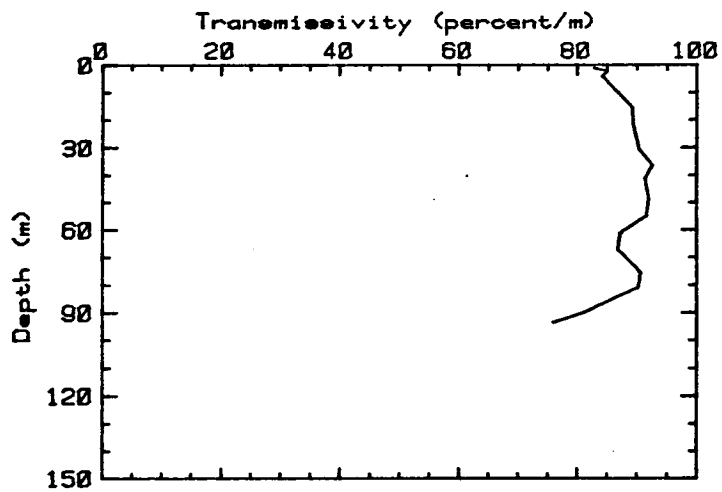
ROSS SEAL 1979 STATION NAMES



ROSS SEAL
Station: 1
1979 October 16 1357 CUT
27 54.4 N 93 37.7 W



ROSS SEAL
Station: 2
1979 October 16 1631 CUT
27 54.3 N 93 37.8 W

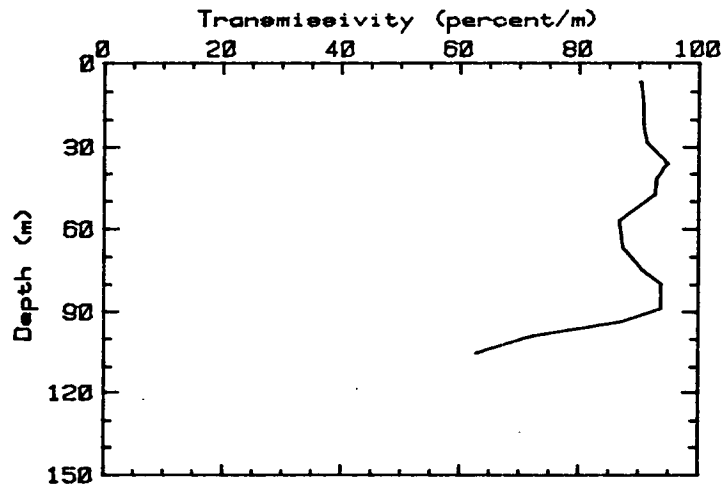


ROSS SEAL

Stations 3

1979 October 16 2045 CUT

27 54.1 N 93 37.8 W

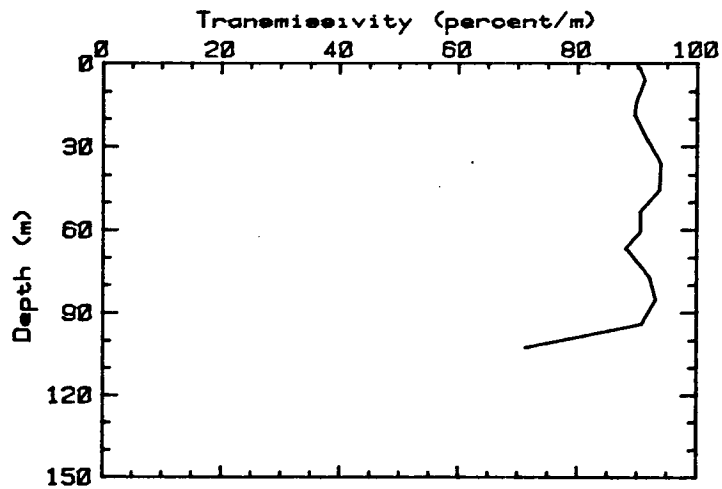


ROSS SEAL

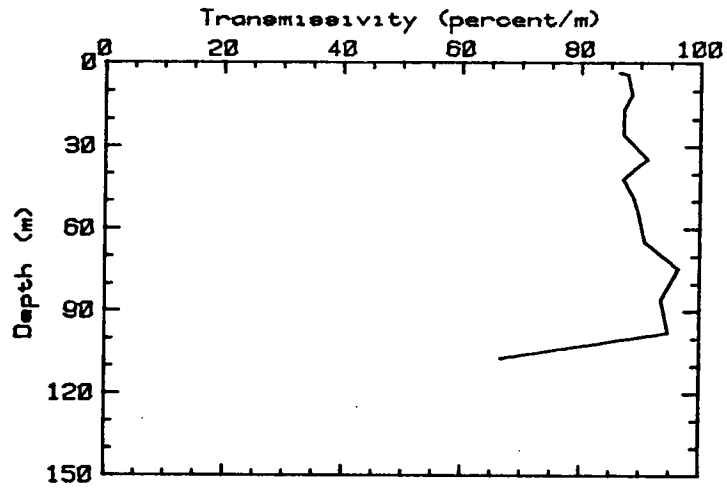
Stations 4

1979 October 16 2145 CUT

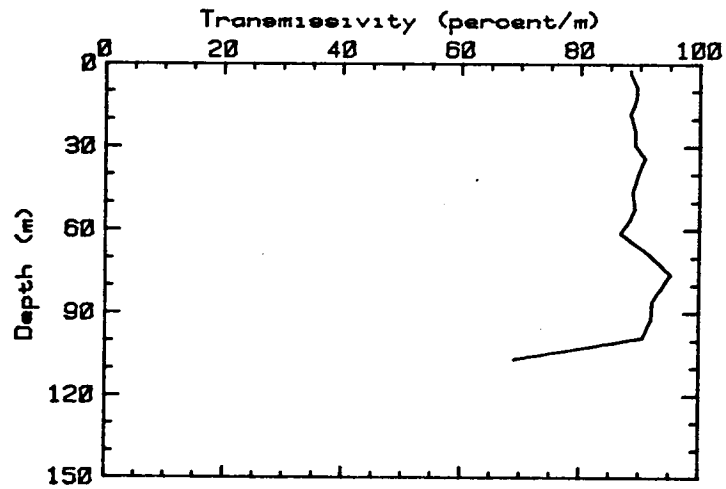
27 54.7 N 93 38.4 W



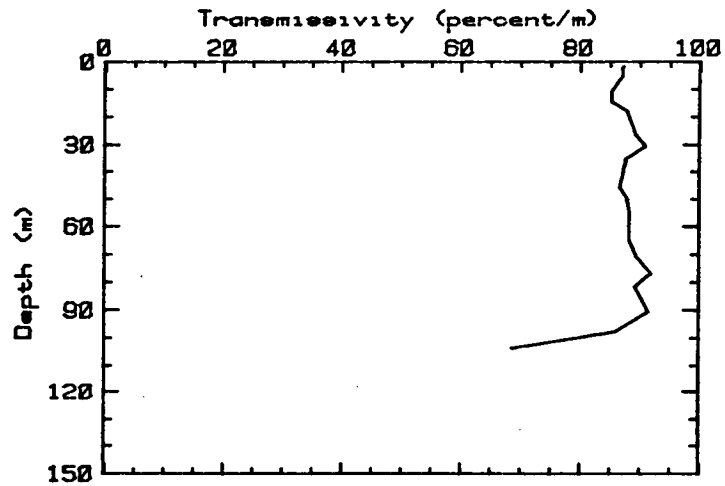
ROSS SEAL
Station: 5
1979 October 16 2245 CUT
27 54.7 N 93 38.4 W



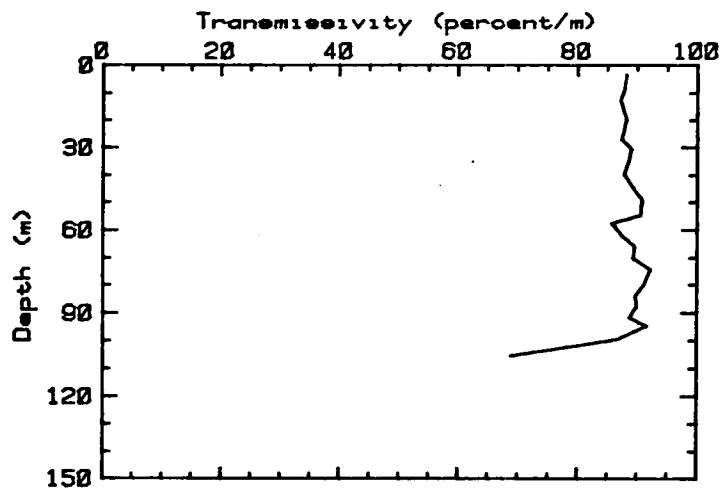
ROSS SEAL
Station: 6
1979 October 16 2345 CUT
27 54.7 N 93 38.4 W



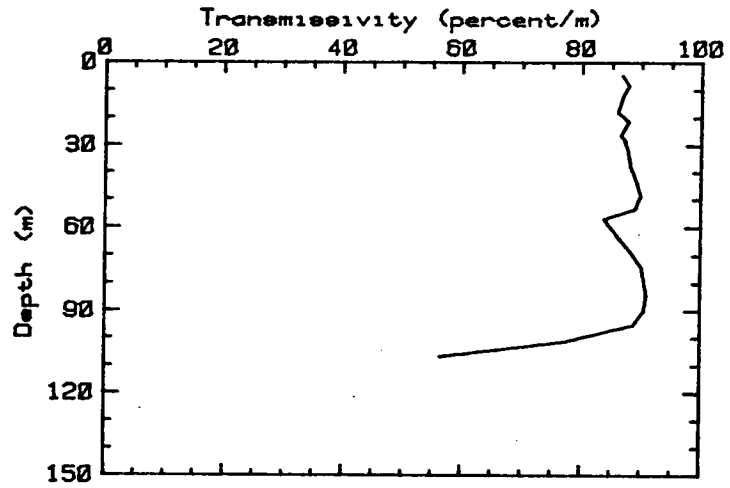
ROSS SEAL
Stations 7
1979 October 17 045 CUT
27 54.7 N 93 38.4 W



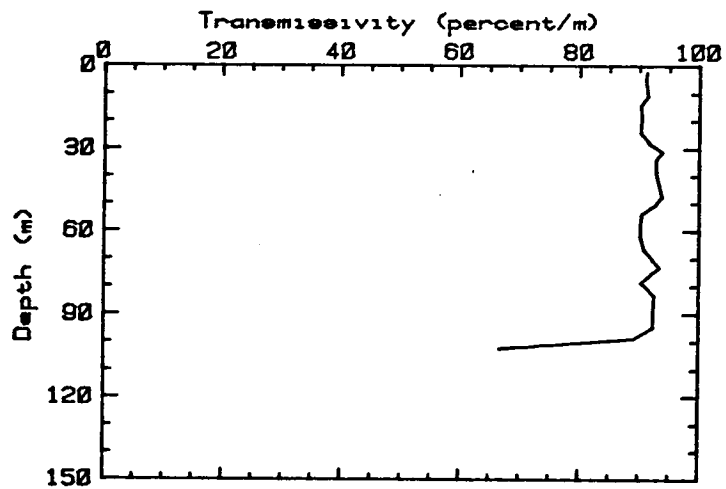
ROSS SEAL
Stations 8
1979 October 17 145 CUT
27 54.7 N 93 38.4 W



ROSS SEAL
Station 9
1979 October 17 245 CUT
27 54.7 N 93 38.4 W



ROSS SEAL
Station 10
1979 October 17 345 CUT
27 54.7 N 93 38.4 W

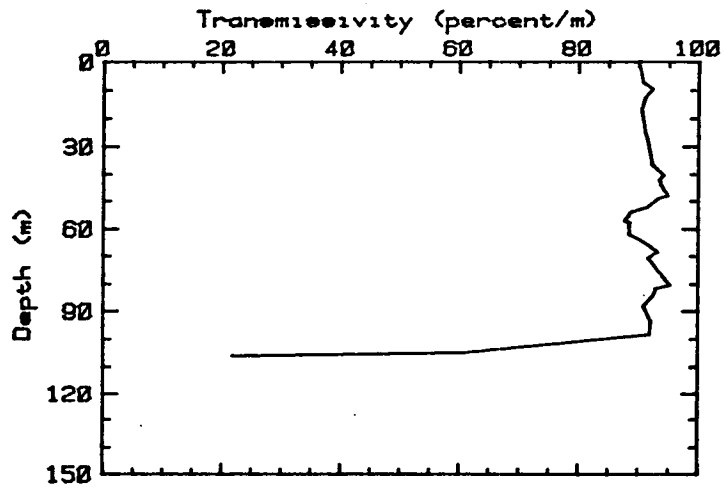


ROSS SEAL

Stations 11

1979 October 17 445 CUT

27 54.7 N 93 38.4 W

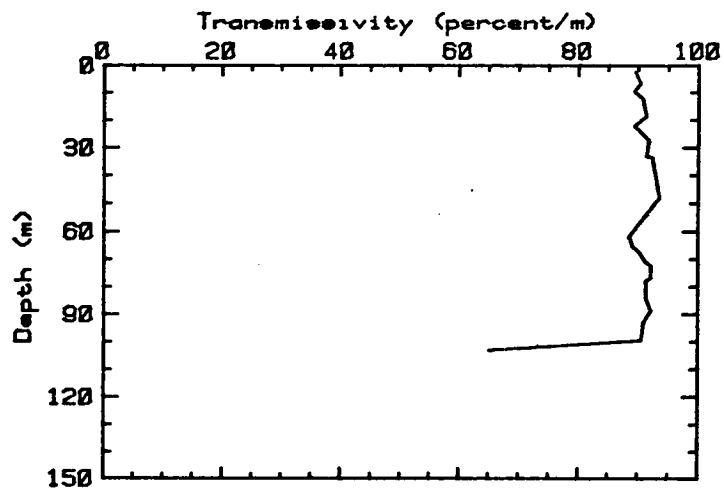


ROSS SEAL

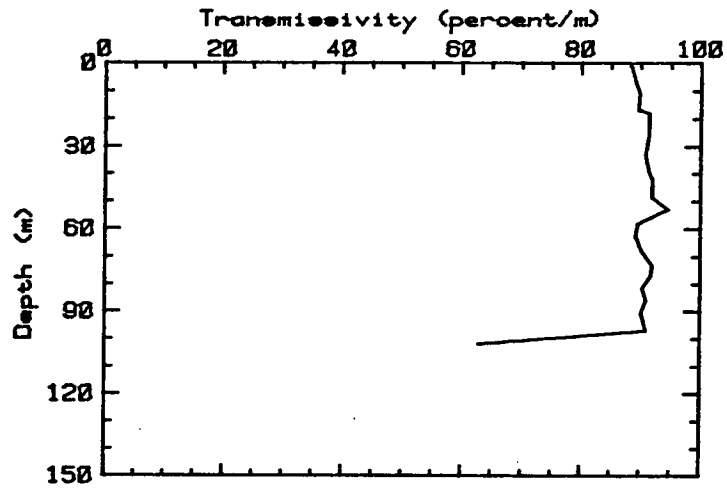
Stations 12

1979 October 17 545 CUT

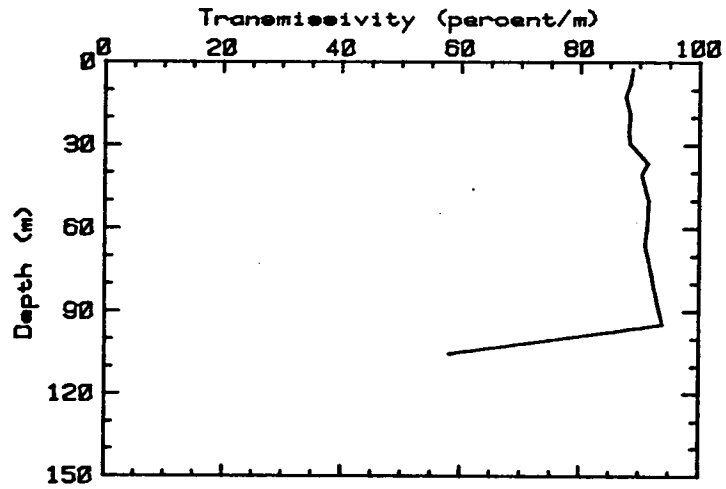
27 54.7 N 93 38.4 W



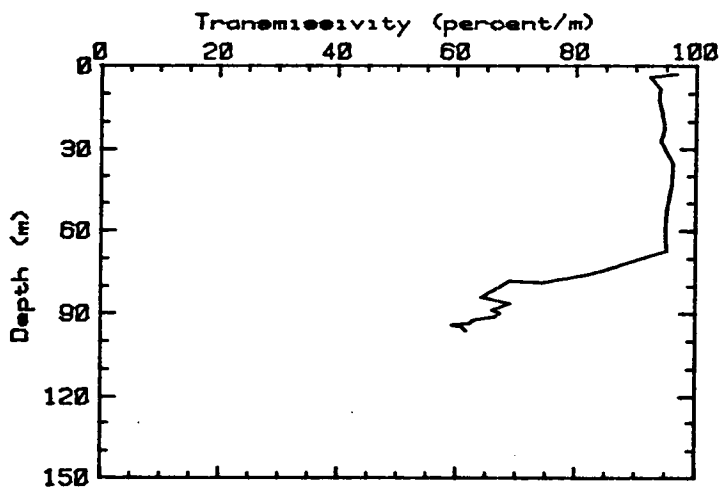
ROSS SEAL
Station 13
1979 October 17 645 CUT
27 54.7 N 93 38.4 W



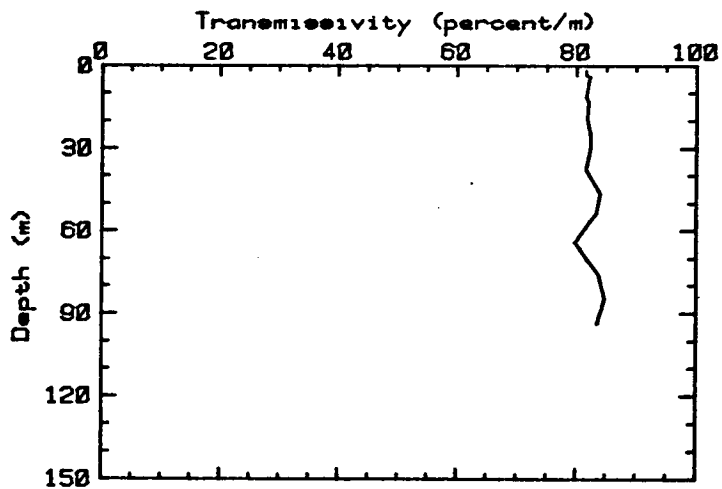
ROSS SEAL
Station 14
1979 October 17 745 CUT
27 54.5 N 93 38.4 W



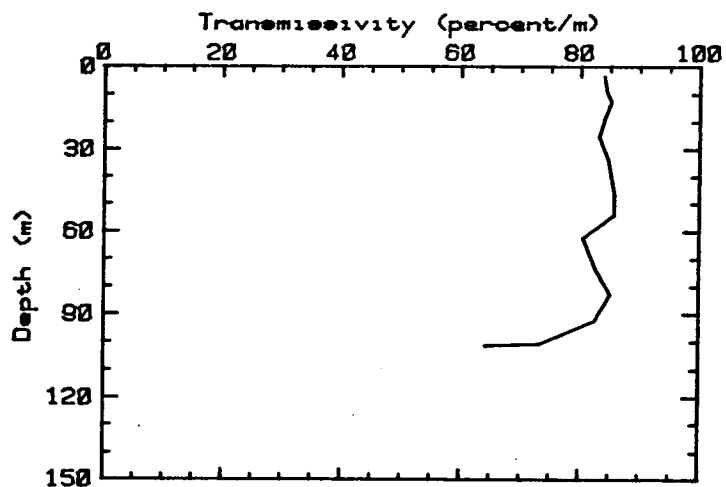
ROSS SEAL
Stations 15
1979 October 18 1119 CUT
27 54.5 N 93 38.4 W



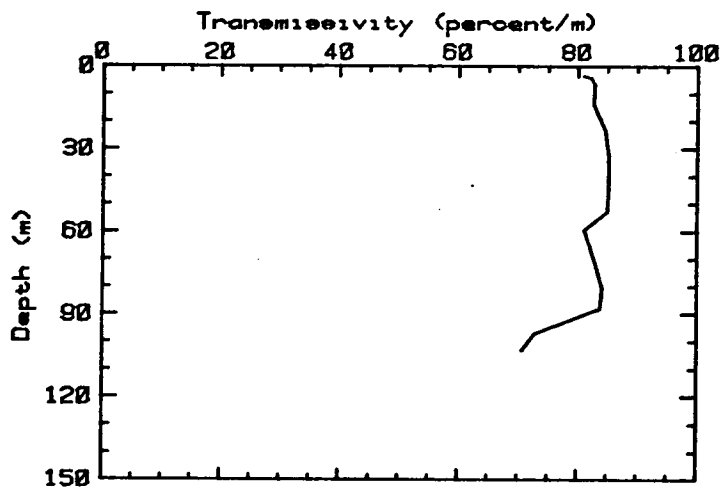
ROSS SEAL
Stations 16
1979 October 18 1400 CUT
27 53.5 N 93 47.8 W



ROSS SEAL
Station: 17
1979 October 18 1500 CUT
27 53.5 N 93 47.8 W



ROSS SEAL
Station: 18
1979 October 18 1610 CUT
27 53.5 N 93 47.6 W

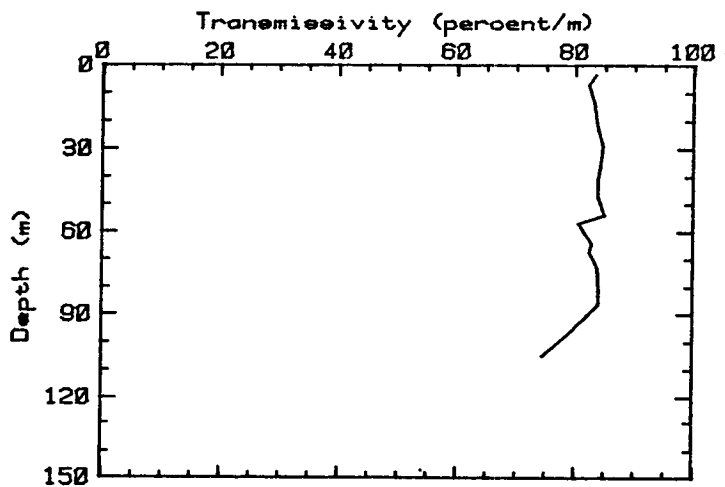


ROSS SEAL

Stations 19

1979 October 18 1705 CUT

27 53.4 N 93 47.7 W

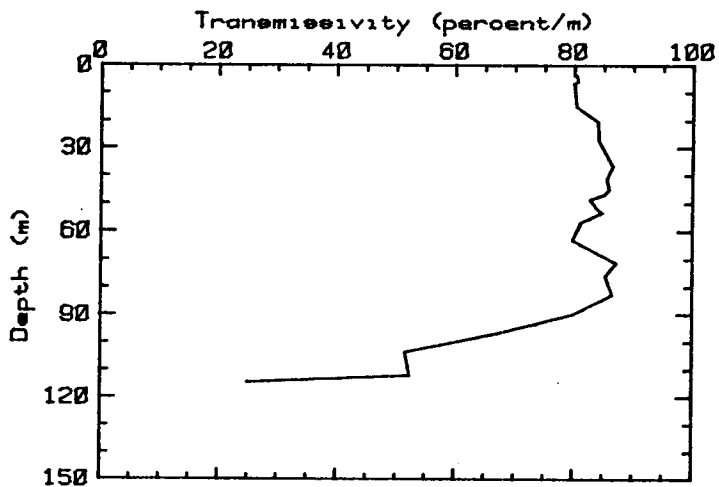


ROSS SEAL

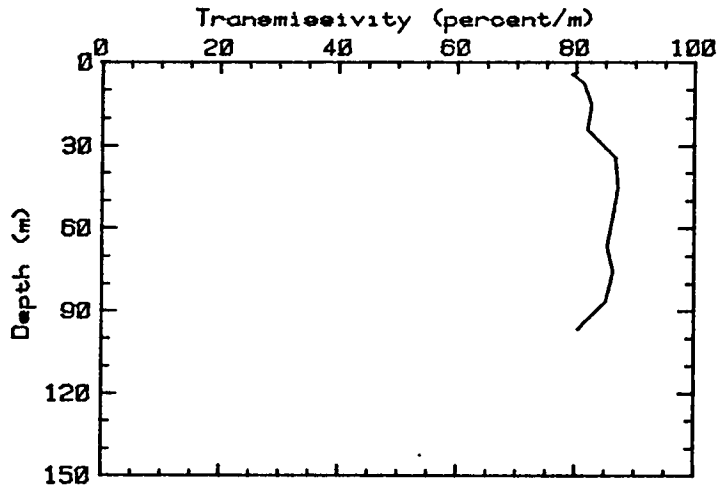
Stations 20

1979 October 20 820 CUT

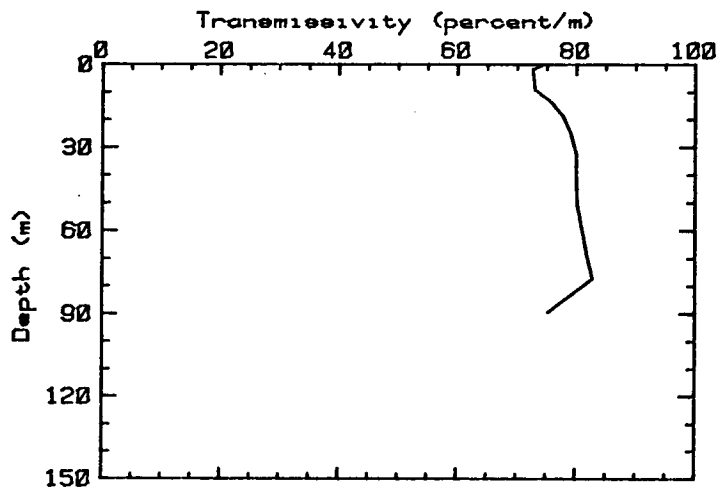
27 55.0 N 93 52.8 W



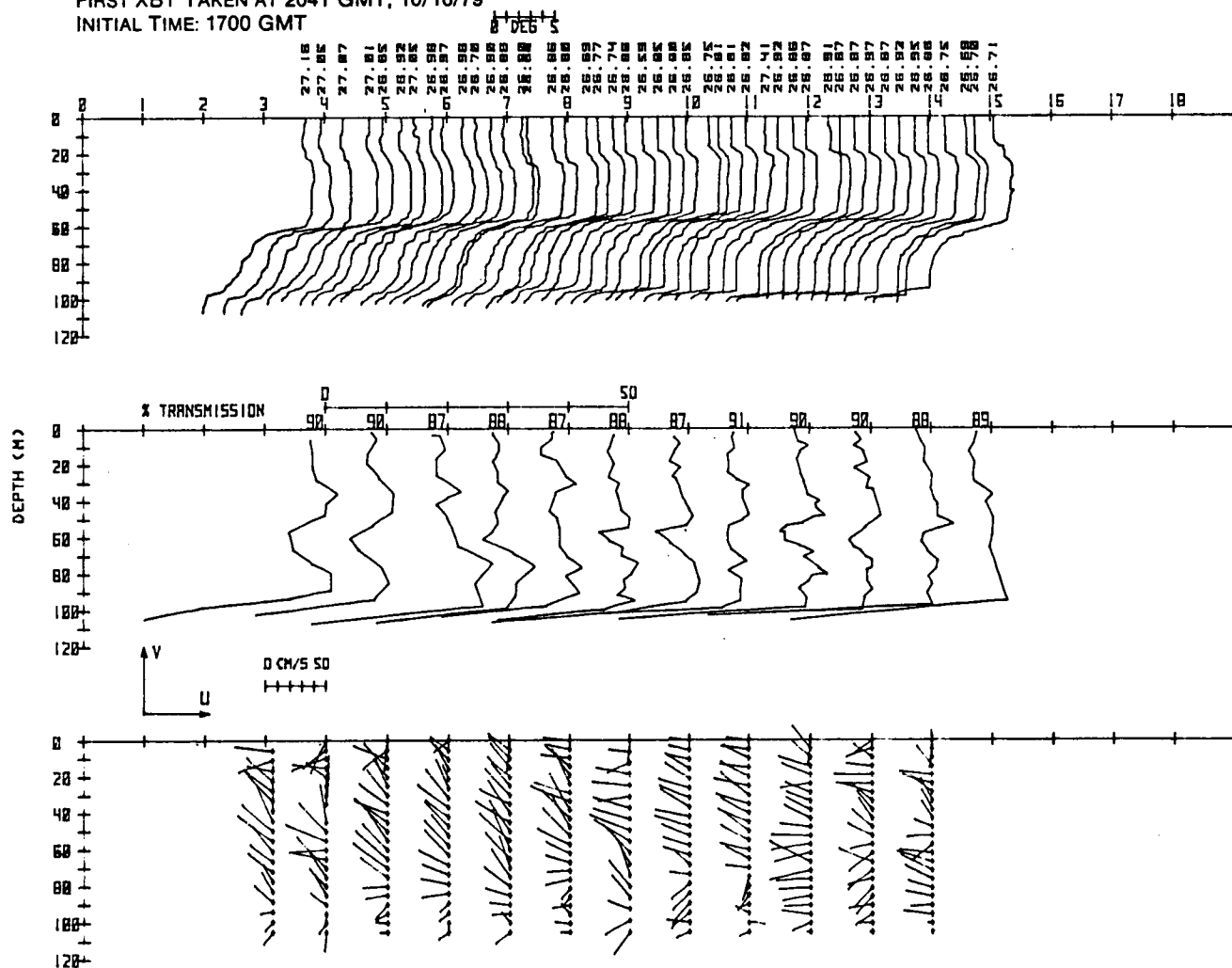
ROSS SEAL
Station: 21
1979 October 20 840 CUT
27 53.7 N 93 49.9 W



ROSS SEAL
Station: 23
1979 October 20 1635
27 53.9 N 93 49.8 W

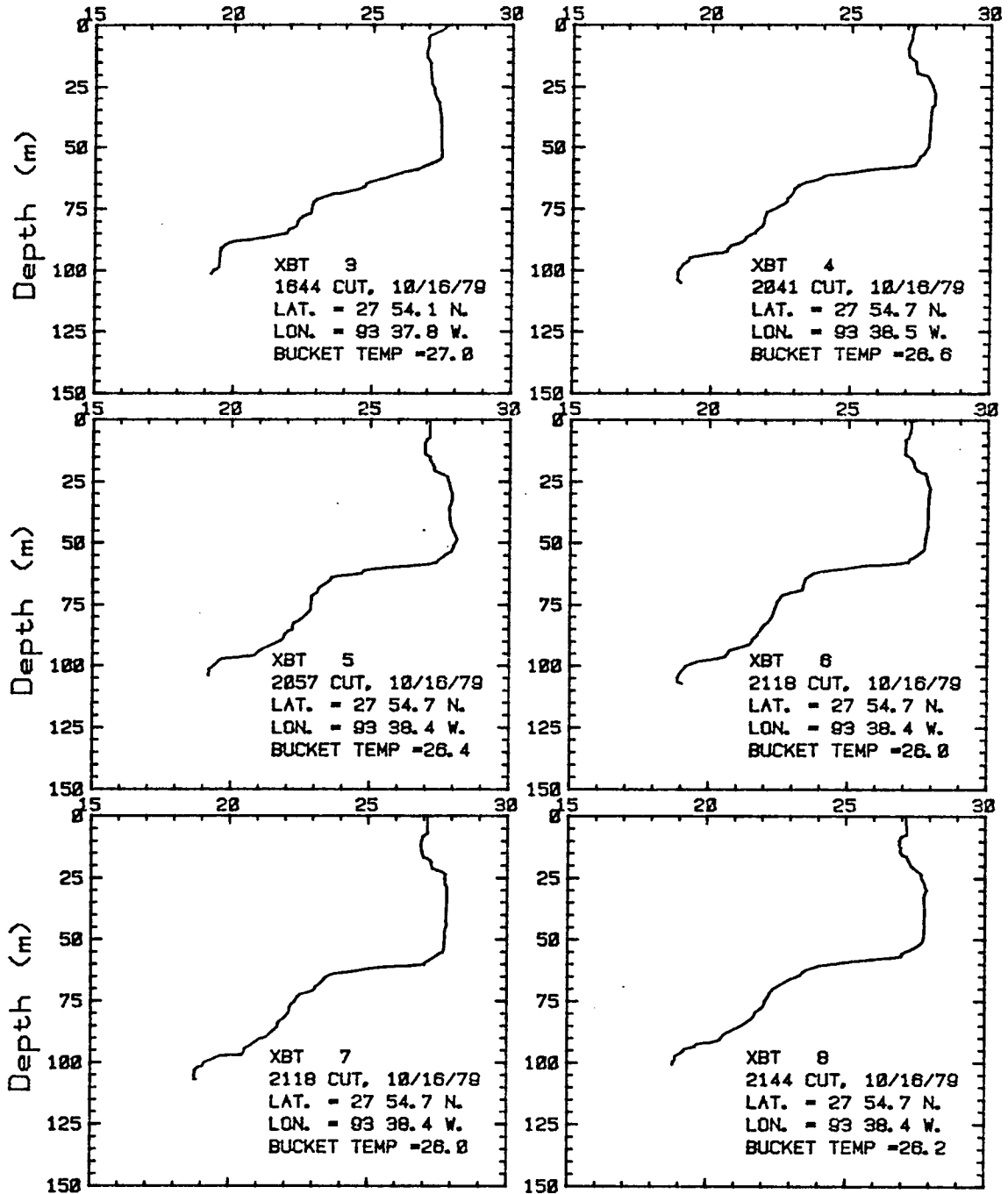


CRUISE: RS-10-79
 FIRST XBT TAKEN AT 2041 GMT, 10/16/79
 INITIAL TIME: 1700 GMT

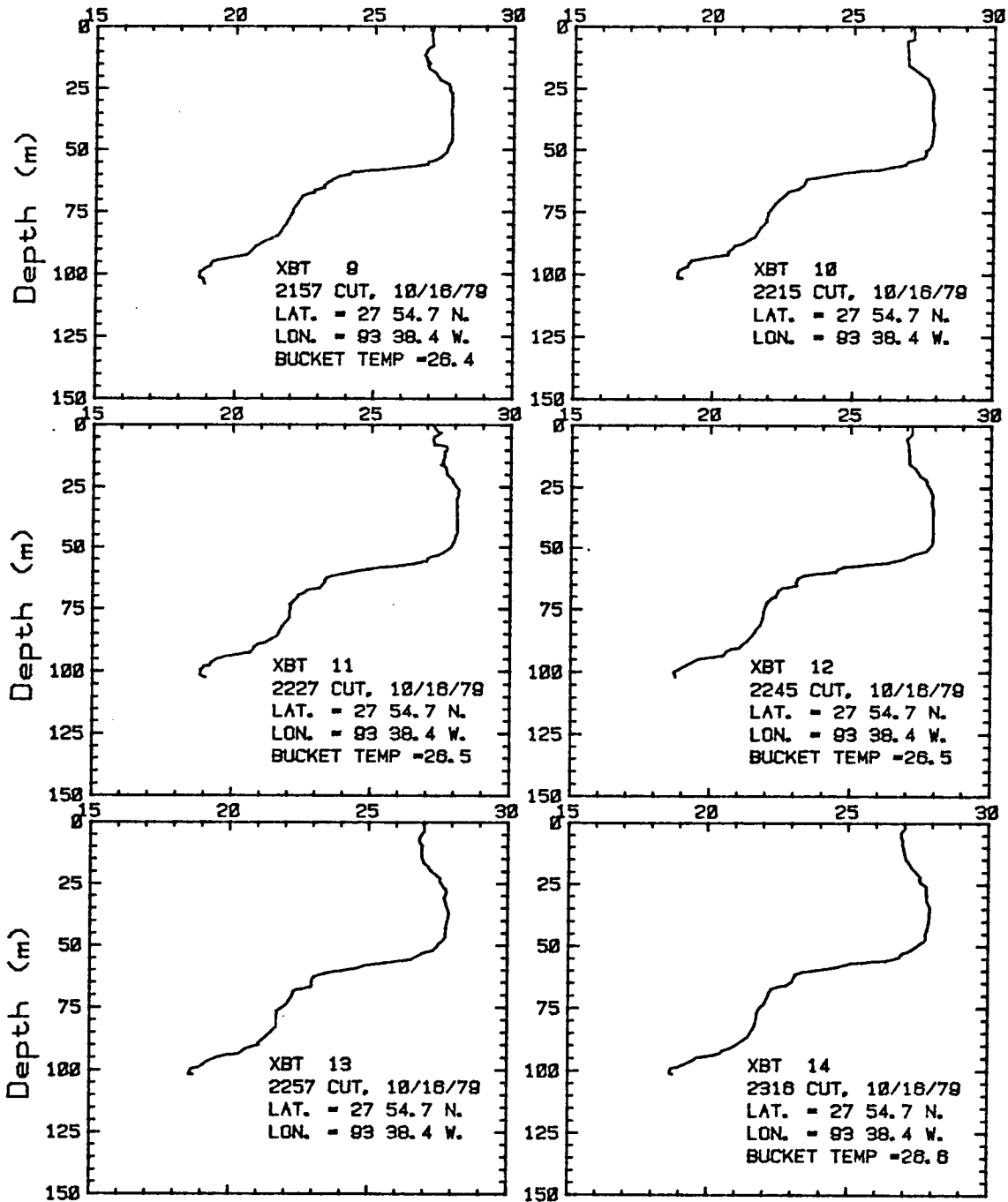


VERTICAL PROFILE TIME SERIES (ONE SET OF PROFILES PER HOUR) OF TEMPERATURE, TRANSMISSIVITY, AND CURRENTS NEAR CURRENT METER MOORING 2, EAST FLOWER GARDEN BANK, 16 OCT 79, 2145 GMT, TO 17 OCT 79, 0745 GMT, BETWEEN SUBMERSIBLE DIVES 9 AND 10.

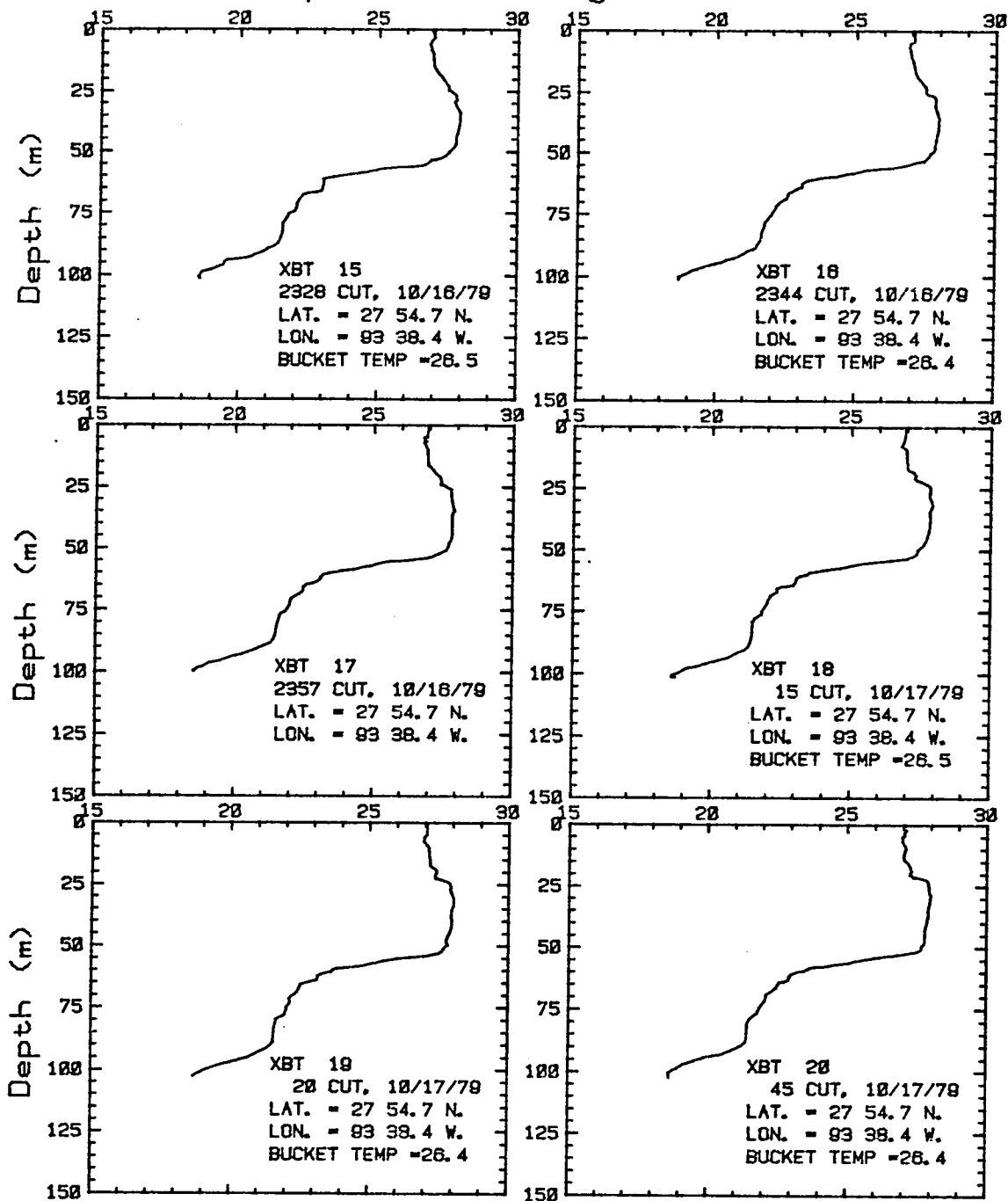
Temperature in Degrees Celsius



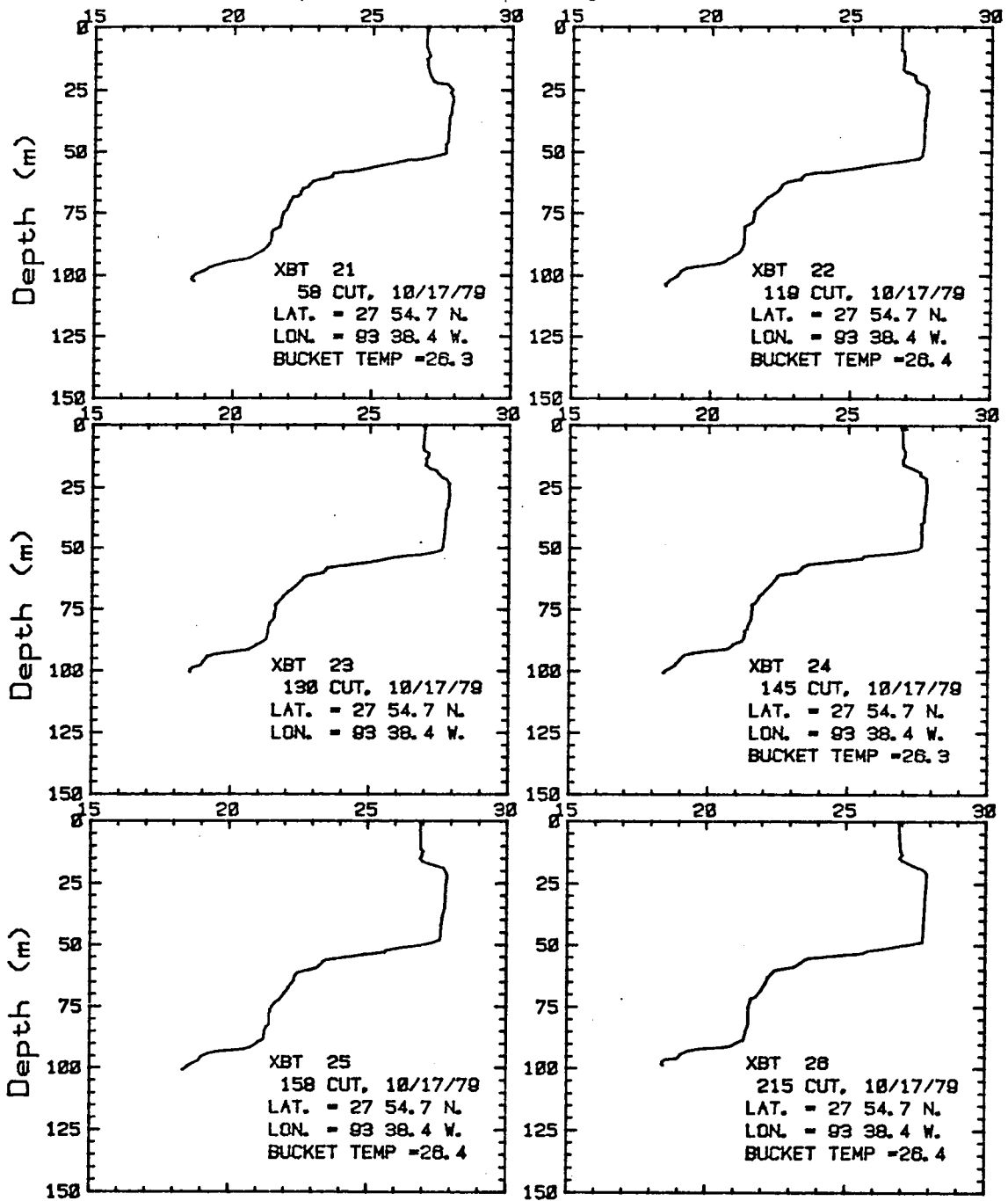
Temperature in Degrees Celsius



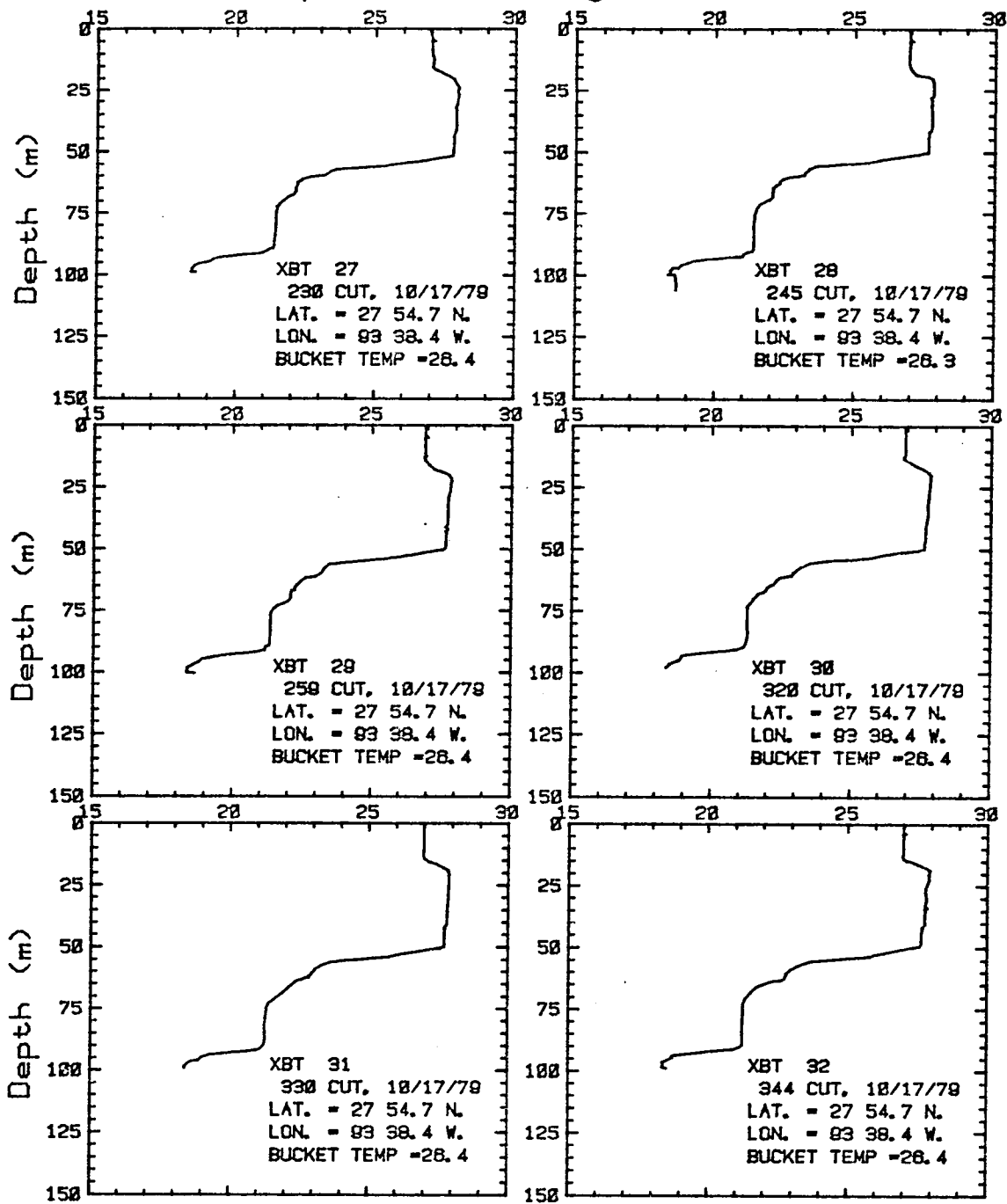
Temperature in Degrees Celsius



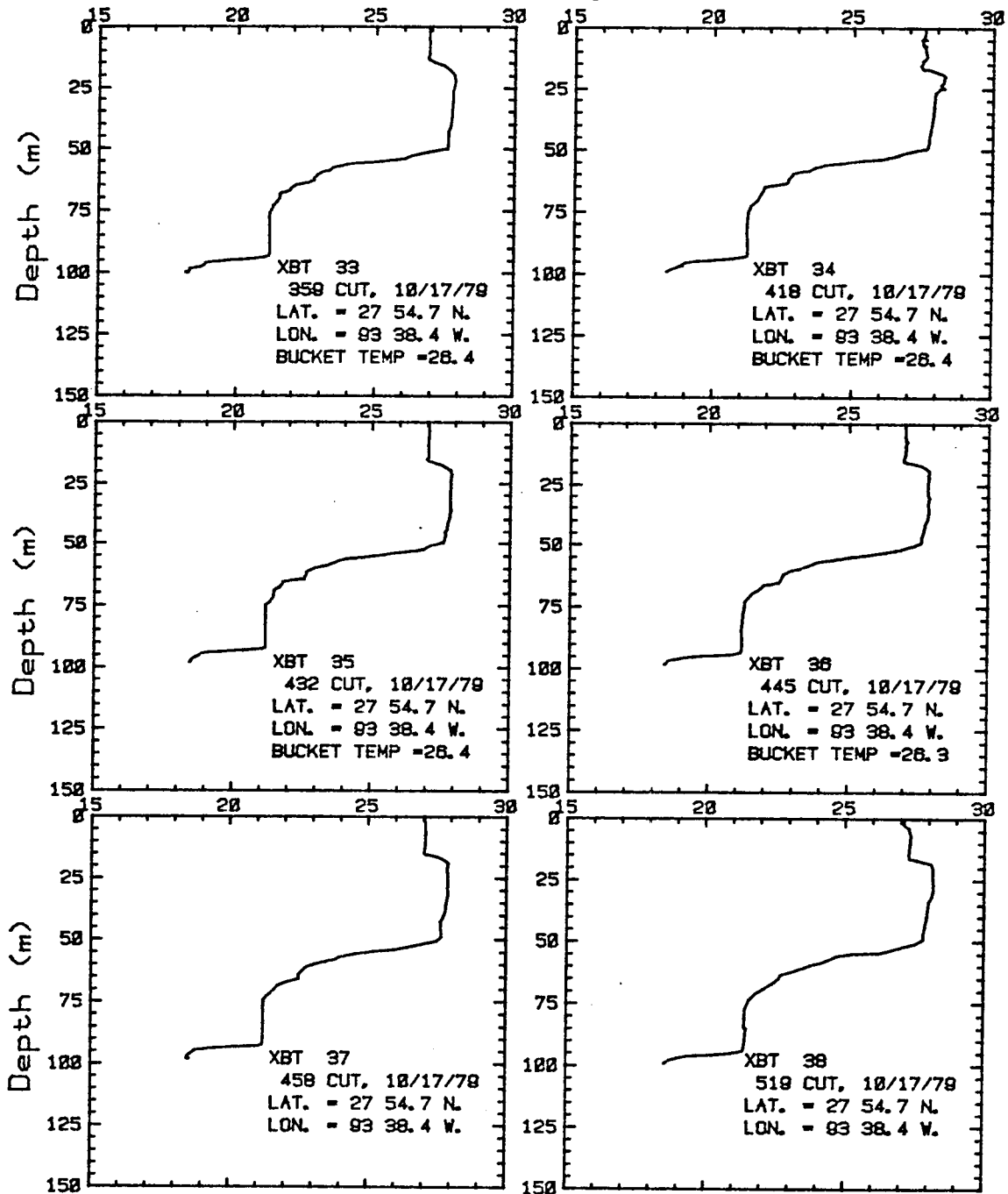
Temperature in Degrees Celsius



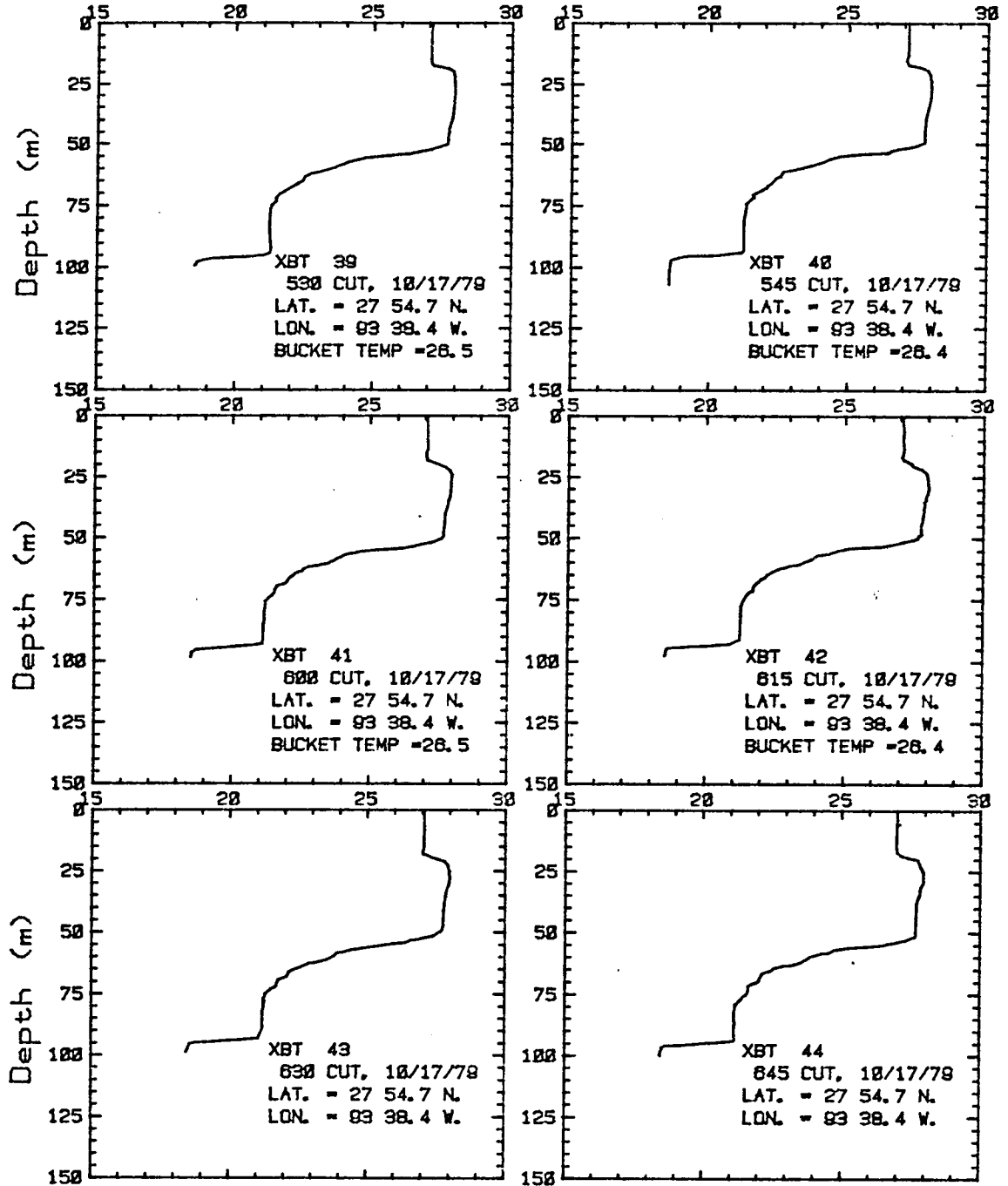
Temperature in Degrees Celsius



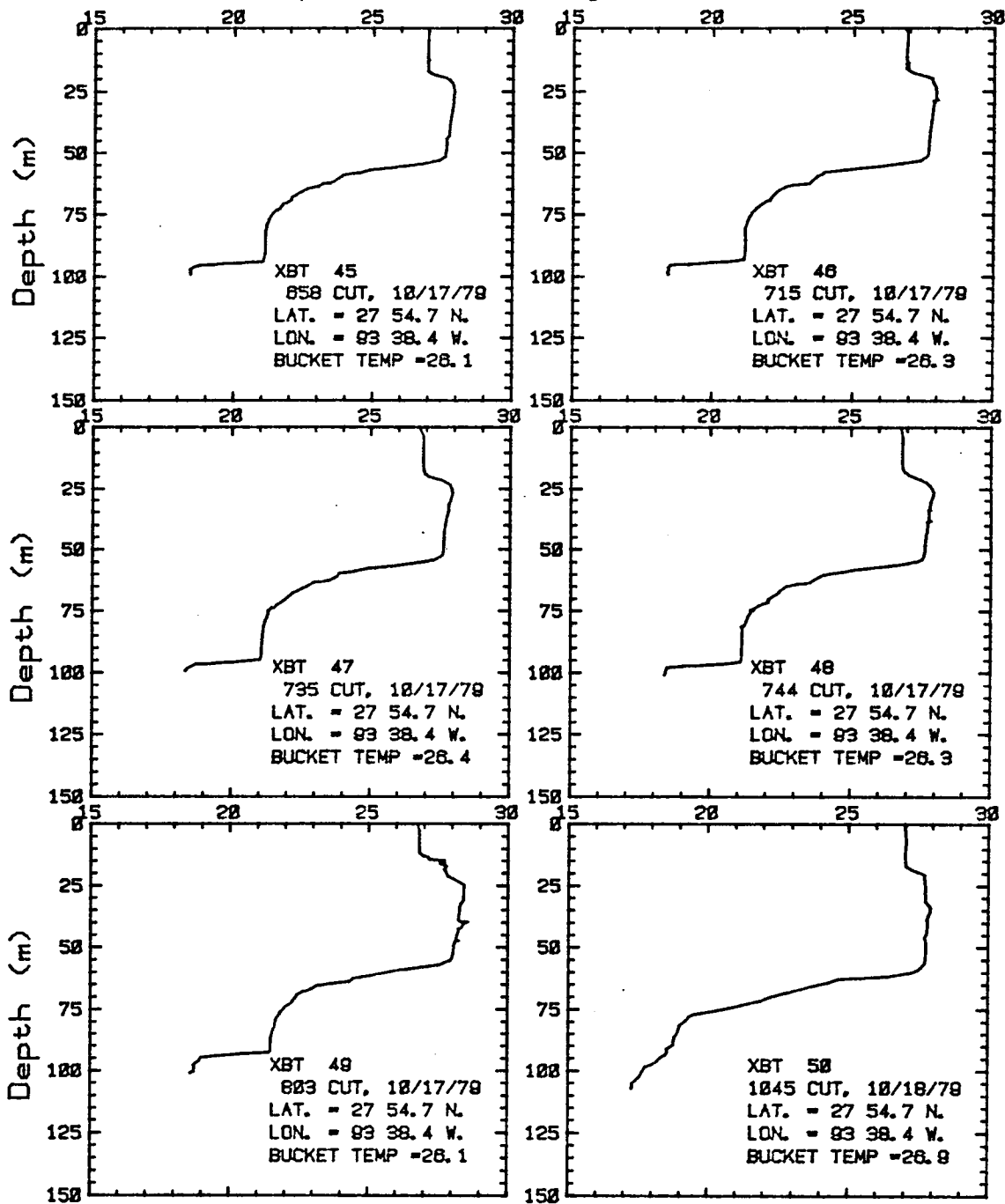
Temperature in Degrees Celsius



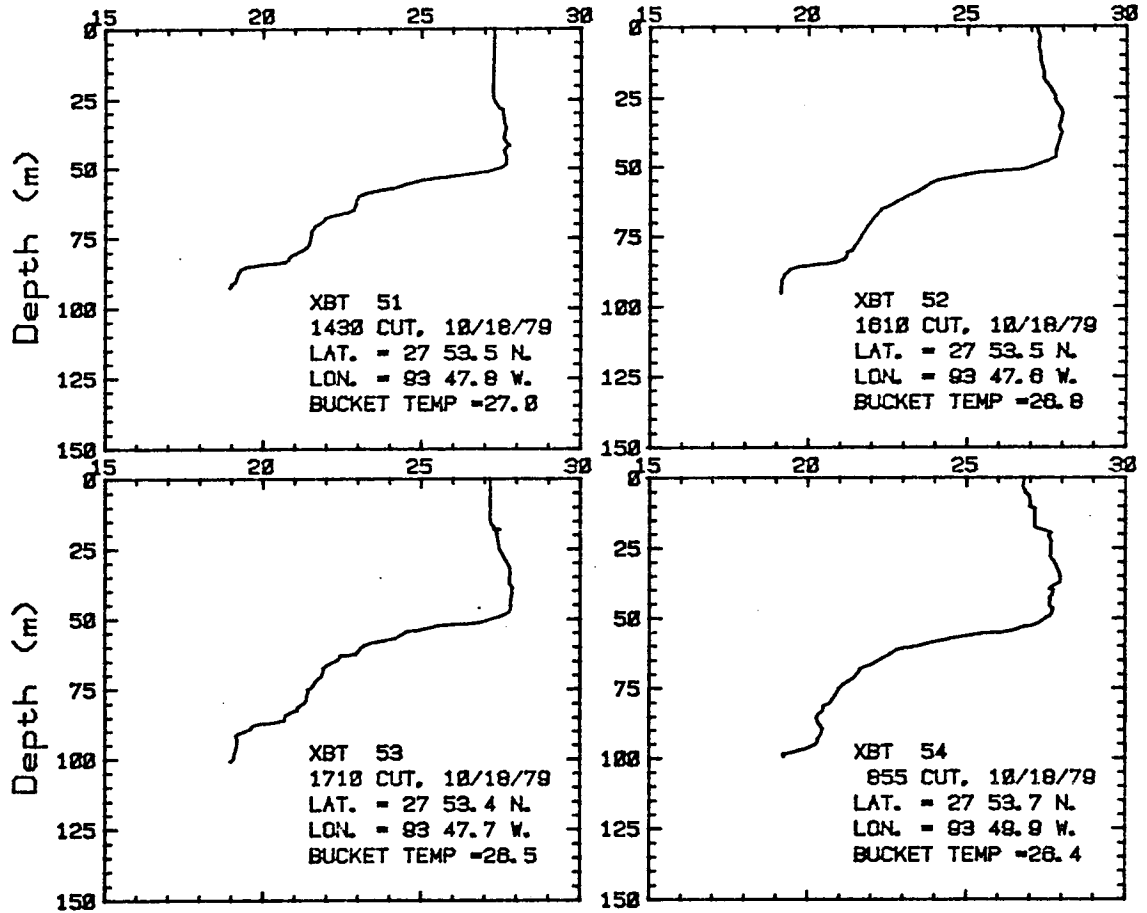
Temperature in Degrees Celsius



Temperature in Degrees Celsius



Temperature in Degrees Celsius



NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 3
 TIME = 1644(CUT)
 LATITUDE = 27DEG. 54.10MIN.N.
 BUCKET TEMPERATURE = 27.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 37.80MIN.W.
 SURF. TEMP. DIFF. = -.80DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.60	27.00	53.9	27.48	26.69	77.4	22.62	21.83
.6	27.61	26.81	54.3	27.43	26.64	78.0	22.48	21.68
1.6	27.55	26.75	55.3	27.27	26.48	78.9	22.37	21.56
2.1	27.48	26.68	56.3	27.13	26.33	80.0	22.29	21.50
3.6	27.21	26.42	58.3	26.61	25.81	82.0	22.23	21.43
4.5	27.03	26.23	60.1	26.11	25.31	82.3	22.11	21.31
5.3	26.98	26.19	61.9	25.58	24.79	83.3	22.00	21.20
7.1	26.98	26.19	63.5	25.11	24.31	84.4	21.94	21.14
8.9	26.97	26.18	64.1	24.92	24.12	85.1	21.88	21.09
10.4	26.94	26.14	64.3	24.77	23.97	86.4	21.84	20.94
11.6	26.92	26.13	65.9	24.72	23.92	87.7	20.60	19.80
13.0	26.94	26.15	67.2	24.47	23.68	88.2	20.07	19.28
15.2	27.05	26.25	68.3	23.87	23.08	89.0	19.83	19.03
23.7	27.10	26.31	69.1	23.56	22.76	89.7	19.70	18.90
25.4	27.19	26.40	71.0	23.11	22.31	90.8	19.57	18.77
26.1	27.22	26.43	71.1	23.01	22.21	92.3	19.52	18.72
29.9	27.28	26.49	72.1	22.88	22.08	96.3	19.49	18.69
31.7	27.37	26.57	73.2	22.83	22.03	98.5	19.46	18.67
38.5	27.45	26.65	75.2	22.79	21.99	99.3	19.42	18.62
48.7	27.47	26.67	76.9	22.76	21.96	99.9	19.29	18.50
						101.3	19.20	18.40

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 4
 TIME = 2041(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.45MIN.W.
 SURF. TEMP. DIFF. = -.73DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.33	26.60	51.7	27.65	26.91	78.8	21.89	21.16
.9	27.22	26.48	53.0	27.59	26.85	80.6	21.83	21.14
2.5	27.19	26.46	53.7	27.47	26.73	82.1	21.80	21.07
4.0	27.16	26.43	56.3	27.31	26.57	83.2	21.67	20.94
6.0	27.15	26.42	56.9	27.27	26.54	84.1	21.60	20.86
7.7	27.08	26.34	57.5	27.13	26.40	84.9	21.56	20.82
9.4	27.06	26.30	58.0	26.67	25.93	85.5	21.41	20.67
11.1	27.03	26.29	59.0	25.63	24.89	86.6	21.25	20.51
12.6	27.05	26.32	60.0	25.08	24.34	87.5	21.18	20.45
13.6	27.15	26.41	60.3	24.55	23.82	88.4	21.10	20.36
14.6	27.28	26.55	61.1	24.23	23.49	89.1	20.99	20.25
18.7	27.33	26.60	61.5	24.05	23.32	90.0	20.68	19.94
19.3	27.34	26.61	62.6	23.97	23.14	91.1	20.59	19.85
19.8	27.47	26.73	63.5	23.66	22.93	92.1	20.55	19.81
20.6	27.73	26.99	64.2	23.37	22.63	92.8	20.38	19.64
22.1	27.80	27.07	65.6	23.09	22.36	93.0	20.09	19.36
24.2	27.89	27.16	66.9	22.96	22.23	94.7	19.22	18.49
26.1	27.95	27.22	69.6	22.84	22.10	96.0	19.17	18.43
27.9	27.99	27.25	70.8	22.72	21.99	97.4	18.98	18.24
32.8	27.98	27.25	72.3	22.67	21.94	99.9	18.81	18.08
33.5	27.91	27.18	73.2	22.56	21.82	100.6	18.78	18.05
35.5	27.85	27.12	74.0	22.41	21.68	103.4	18.76	18.03
44.9	27.80	27.07	75.4	22.17	21.44	103.9	18.76	18.02
49.7	27.77	27.03	76.3	21.98	21.25	105.0	18.86	18.13

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 5
 TIME = 2057(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.73DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.13	26.40	42.6	27.91	27.16	64.2	23.60	22.87
7.0	27.14	26.41	45.0	27.99	27.26	65.4	23.52	22.79
7.8	27.06	26.33	47.1	28.07	27.34	68.4	23.13	22.40
9.3	26.96	26.23	48.2	28.12	27.39	70.0	23.07	22.34
12.7	26.95	26.22	49.5	28.10	27.37	71.5	22.89	22.16
13.9	26.93	26.25	50.7	28.03	27.30	72.2	22.83	22.15
14.9	27.12	26.40	52.8	27.95	27.22	77.2	22.63	22.10
16.2	27.15	26.42	53.6	27.91	27.18	79.2	22.68	21.96
17.8	27.24	26.51	54.7	27.74	27.01	81.6	22.42	21.69
19.0	27.29	26.56	57.0 ^P	27.46	26.73	82.4	22.25	21.52
20.3	27.30	26.57	57.8	27.39	26.66	83.6	22.19	21.46
21.4	27.46	26.73	58.6	27.11	26.38	85.2	22.18	21.45
21.9	27.61	26.88	59.0	26.72	25.99	85.9	22.05	21.32
22.7	27.75	27.02	59.4	26.41	25.69	86.9	21.94	21.21
25.6	27.65	27.12	59.6	26.04	25.31	89.5	21.79	21.07
27.9	27.88	27.15	59.9	25.66	24.93	93.1	21.12	20.39
29.2	27.93	27.20	60.4	25.31	24.59	93.4	21.08	20.35
30.2	27.95	27.22	60.9	24.92	24.19	93.8	21.01	20.28
32.5	27.94	27.21	61.2	24.79	24.06	95.8	20.82	20.09
34.1	27.70	27.17	62.2	24.70	23.97	96.0	20.67	19.94
35.4	27.85	27.13	62.7	24.57	23.84	97.3	19.65	18.92
36.3	27.85	27.12	63.2	24.13	23.45	97.7	19.57	18.84
39.6	27.86	27.13	63.7	23.76	23.03	99.7	19.39	18.66
						101.4	19.22	18.49
						104.0	19.17	18.45

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 6
 TIME = 2118(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -1.43DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.43	26.00	52.6	27.72	26.29	83.0	22.01	20.58
.7	27.20	25.77	53.6	27.61	26.18	84.2	21.93	20.49
1.5	27.23	25.80	54.9	27.44	26.01	87.3	21.75	20.32
2.6	27.23	25.80	56.6	27.20	25.76	89.0	21.58	20.15
4.5	27.21	25.78	57.6	27.16	25.73	90.4	21.53	20.10
7.2	27.14	25.71	58.2	26.74	25.30	91.2	21.45	20.01
8.0	27.05	25.61	58.7	26.17	24.73	92.6	21.06	19.62
13.7	27.01	25.58	59.1	25.57	24.14	93.2	20.85	19.41
15.3	27.24	25.81	59.8	25.19	23.75	93.5	20.77	19.33
16.9	27.33	25.90	61.6	23.97	22.54	96.1	20.53	19.15
18.8	27.37	25.93	62.3	23.76	22.32	96.5	20.50	19.07
20.3	27.46	26.03	64.6	23.45	22.02	96.9	20.32	18.89
21.2	27.63	26.20	67.4	23.38	21.94	97.5	20.00	18.56
21.5	27.73	26.30	68.7	23.36	21.93	98.3	19.60	18.17
22.5	27.80	26.37	69.4	23.18	21.75	99.0	19.41	17.97
24.6	27.83	26.40	70.1	22.91	21.48	100.1	19.17	17.73
27.6	27.92	26.49	71.1	22.63	21.20	100.8	19.13	17.69
32.3	27.86	26.43	73.7	22.46	21.03	103.1	18.94	17.51
37.9	27.85	26.41	76.2	22.38	20.95	104.5	18.87	17.44
42.9	27.85	26.42	79.6	22.29	20.85	106.4	18.84	17.43
47.7	27.76	26.33	82.4	22.12	20.69	107.0	19.00	17.57

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 7
 TIME = 2118(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -1.14DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.14	26.00	43.9	27.84	26.70	74.3	22.39	21.25
6.9	27.14	26.00	46.6	27.76	26.63	75.2	22.34	21.21
8.0	26.98	25.84	48.6	27.76	26.63	76.2	22.24	21.10
9.9	26.91	25.78	54.2	27.74	26.60	77.2	22.18	21.04
11.4	26.90	25.76	55.2	27.69	26.56	79.9	22.11	20.98
13.1	26.91	25.77	55.5	27.62	26.48	81.8	21.98	20.85
14.3	26.94	25.80	58.8	27.17	26.03	83.2	21.81	20.67
15.6	26.96	25.82	59.3	27.08	25.94	83.8	21.75	20.61
16.6	26.98	25.85	60.1	27.04	25.91	85.6	21.72	20.58
17.2	27.13	25.99	60.7	26.52	25.38	87.3	21.54	20.40
17.8	27.21	26.08	61.2	25.64	24.51	89.8	21.31	20.18
18.3	27.26	26.12	61.7	25.14	24.01	90.4	21.08	19.94
20.1	27.29	26.16	62.7	24.60	23.47	92.8	20.80	19.67
21.1	27.31	26.17	63.4	24.21	23.07	94.5	20.55	19.41
21.8	27.47	26.33	64.0	23.77	22.63	95.8	20.53	19.39
22.6	27.67	26.54	64.6	23.58	22.44	96.8	20.46	19.32
23.4	27.77	26.64	65.9	23.41	22.28	97.1	19.97	18.84
25.2	27.77	26.64	67.9	23.25	22.12	97.3	19.68	18.54
27.5	27.78	26.64	69.1	23.12	21.98	100.1	19.10	17.96
28.5	27.84	26.70	70.7	23.02	21.89	101.4	19.05	17.92
31.2	27.85	26.71	71.6	22.81	21.67	102.0	18.87	17.73
34.3	27.84	26.70	72.4	22.54	21.40	102.8	18.79	17.65
42.4	27.81	26.67	73.1	22.47	21.33	104.8	18.75	17.61
						106.9	18.75	17.62
						106.7	18.80	17.67

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 8
 TIME = 2144(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.20DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.94DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.14	26.20	53.0	27.50	26.56	79.4	21.78	20.84
7.2	27.18	26.24	54.2	27.31	26.37	81.0	21.70	20.76
8.2	26.99	26.05	54.9	27.14	26.20	82.1	21.63	20.69
9.6	26.92	25.97	55.5	27.04	26.10	84.6	21.30	20.36
11.4	26.91	25.96	56.7	26.98	26.04	86.4	20.98	20.04
12.3	26.95	26.01	57.2	26.76	25.82	88.4	20.85	19.71
14.5	26.96	26.02	58.1	25.94	25.00	89.7	20.54	19.60
15.6	27.01	26.07	59.0	25.12	24.18	90.5	20.49	19.55
16.2	27.16	26.21	59.7	24.60	23.66	91.2	20.39	19.45
18.1	27.25	26.31	60.6	24.06	23.12	91.9	20.10	19.16
20.1	27.34	26.40	60.8	23.97	23.03	92.0	19.87	18.93
22.0	27.54	26.60	62.3	23.58	22.64	92.4	19.67	18.72
23.2	27.68	26.74	62.9	23.47	22.53	93.0	19.59	18.65
25.1	27.72	26.78	64.2	23.37	22.43	93.3	19.59	18.65
27.1	27.81	26.87	65.0	23.26	22.32	93.9	19.45	18.51
28.9	27.85	26.91	66.0	23.00	22.06	94.5	19.24	18.30
29.6	27.90	26.96	68.4	22.63	21.69	95.1	19.16	18.22
31.2	27.83	26.89	70.0	22.40	21.46	95.6	19.15	18.21
32.6	27.80	26.85	71.5	22.29	21.35	97.3	18.88	17.94
37.6	27.83	26.88	73.3	22.20	21.26	97.9	18.83	17.94
46.1	27.81	26.86	74.6	22.12	21.17	98.8	18.87	17.93
49.4	27.78	26.84	76.8	22.05	21.11	99.6	18.82	17.88
51.2	27.72	26.78	77.9	21.96	21.02	100.5	18.78	17.84

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 9
 TIME = 2157(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.72DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.12	26.40	32.1	27.79	27.08	66.4	22.85	22.14
3.2	27.04	26.33	34.4	27.77	27.05	67.2	22.83	22.11
7.7	27.09	26.38	37.2	27.79	27.07	68.0	22.59	21.88
8.2	27.00	26.28	40.3	27.80	27.08	68.7	22.41	21.69
9.3	26.89	26.17	45.3	27.79	27.08	70.6	22.29	21.57
10.5	26.83	26.12	46.7	27.77	27.05	72.5	22.16	21.44
11.3	26.78	26.07	48.0	27.69	26.98	73.8	22.08	21.37
12.1	26.83	26.12	49.7	27.64	26.92	75.3	22.05	21.33
13.3	26.86	26.14	51.0	27.60	26.89	79.2	21.86	21.14
13.7	26.91	26.19	52.2	27.48	26.77	82.9	21.63	20.92
14.2	26.90	26.18	53.1	27.38	26.66	84.4	21.54	20.82
14.6	26.96	26.25	54.0	27.23	26.51	85.5	21.33	20.61
15.3	26.92	26.20	55.0	26.95	26.28	87.2	20.99	20.27
15.8	26.91	26.20	55.7	26.92	26.20	88.8	20.73	20.01
16.3	26.93	26.22	56.1	26.79	26.08	91.0	20.54	19.82
17.0	26.96	26.24	57.0	26.10	25.39	92.1	20.44	19.73
17.7	27.07	26.36	57.9	25.37	24.65	92.6	20.22	19.50
18.8	27.20	26.49	58.3	24.80	24.09	93.2	19.91	19.20
20.2	27.28	26.57	58.8	24.45	23.74	93.9	19.59	18.88
21.6	27.37	26.65	58.9	24.19	23.47	94.3	19.38	18.66
22.7	27.56	26.85	59.7	24.10	23.39	95.0	19.19	18.48
23.1	27.64	26.93	60.1	24.00	23.28	95.6	19.14	18.43
24.3	27.70	26.98	60.7	23.73	23.01	96.7	19.10	18.38
24.9	27.70	26.99	62.3	23.45	22.73	97.3	18.98	18.26
25.1	27.71	27.00	63.2	23.32	22.61	99.0	18.75	18.03
25.6	27.70	26.98	64.3	23.21	22.50	100.4	18.72	18.00
26.9	27.78	27.06	65.1	23.20	22.49	101.3	18.70	17.99
29.6	27.79	27.08	65.9	23.02	22.31	101.8	18.84	18.13
						103.1	18.87	18.16
						103.9	18.91	18.19

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 10
 TIME = 2215(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.13	27.13	54.6	26.95	26.95	83.5	21.58	21.58
5.0	27.13	27.13	55.7	26.86	26.86	84.2	21.53	21.53
6.0	26.89	26.89	56.2	26.67	26.67	85.0	21.49	21.49
12.0	26.93	26.93	56.6	26.43	26.43	85.8	21.33	21.33
15.5	26.94	26.94	57.9	25.89	25.89	87.5	21.08	21.08
16.6	27.09	27.09	58.3	25.22	25.22	88.2	20.89	20.89
18.6	27.32	27.32	59.4	24.53	24.53	88.4	20.80	20.80
21.0	27.62	27.62	60.8	23.79	23.79	89.7	20.68	20.68
24.9	27.77	27.77	61.7	23.33	23.33	90.7	20.57	20.57
27.1	27.83	27.83	62.4	23.30	23.30	92.0	20.54	20.54
28.9	27.82	27.82	64.2	23.22	23.22	92.9	20.04	20.04
31.2	27.80	27.80	65.7	23.04	23.04	93.3	19.71	19.71
37.0	27.80	27.80	66.9	22.69	22.69	94.1	19.38	19.38
39.1	27.85	27.85	68.5	22.54	22.54	94.3	19.24	19.24
44.9	27.81	27.81	69.5	22.42	22.42	95.2	19.16	19.16
47.6	27.77	27.77	71.4	22.23	22.23	96.6	19.10	19.10
49.2	27.70	27.70	73.6	22.09	22.09	97.4	18.96	18.96
50.1	27.59	27.59	75.0	21.99	21.99	98.0	18.83	18.83
52.2	27.55	27.55	77.7	21.92	21.92	99.1	18.75	18.75
53.1	27.46	27.46	78.9	21.92	21.92	101.4	18.71	18.71
54.2	27.09	27.09	81.1	21.72	21.72	101.5	18.87	18.87

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 11
 TIME = 2227(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.71DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.21	26.50	21.8	27.90	27.19	66.6	23.16	22.45
2.7	27.36	26.65	23.0	27.94	27.23	66.9	23.02	22.31
3.0	27.47	26.76	24.6	28.04	27.33	67.4	22.77	22.06
3.5	27.46	26.75	26.2	28.16	27.45	67.6	22.71	22.00
4.0	27.40	26.69	27.2	28.13	27.42	68.6	22.62	21.91
4.3	27.29	26.57	28.2	28.14	27.43	69.6	22.40	21.69
5.6	27.22	26.51	29.8	28.09	27.38	72.5	22.18	21.47
7.3	27.25	26.54	44.4	28.10	27.39	73.2	22.10	21.39
7.9	27.26	26.55	45.1	28.05	27.34	78.8	22.05	21.34
8.1	27.55	26.84	47.9	27.97	27.26	80.1	21.95	21.24
8.6	27.68	26.97	50.3	27.86	27.15	81.8	21.81	21.10
9.3	27.71	27.00	52.3	27.61	26.90	84.0	21.71	21.00
10.0	27.71	27.00	53.3	27.44	26.73	86.0	21.62	20.91
10.5	27.65	26.94	54.2	27.14	26.43	87.2	21.42	20.71
11.6	27.63	26.92	54.6	27.07	26.36	88.6	21.20	20.49
12.6	27.63	26.92	55.8	27.00	26.29	89.2	20.94	20.23
13.6	27.59	26.88	56.8	26.54	25.83	90.1	20.82	20.11
14.6	27.58	26.87	57.7	25.95	25.24	92.4	20.67	19.96
15.2	27.59	26.89	58.3	25.85	24.64	93.2	20.25	19.54
15.7	27.52	26.81	59.5	24.58	23.87	94.0	19.77	19.06
16.9	27.66	26.95	61.5	23.61	22.90	95.2	19.44	18.73
17.7	27.68	26.97	62.4	23.39	22.68	96.5	19.27	18.56
18.8	27.70	26.99	63.1	23.34	22.63	97.7	19.19	18.49
20.0	27.73	27.02	64.0	23.34	22.63	97.9	19.01	18.30
21.0	27.82	27.11	65.4	23.24	22.53	99.2	18.90	18.19
						101.5	18.86	18.15
						102.3	19.03	18.32

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 12
 TIME = 2245(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.68DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.18	26.50	48.8	27.89	27.21	70.5	22.24	21.56
3.3	27.18	26.50	51.2	27.71	27.04	71.5	22.12	21.44
4.5	27.09	26.41	52.3	27.47	26.79	72.3	22.04	21.37
5.1	27.02	26.34	52.7	27.25	26.57	73.4	21.99	21.32
5.7	27.01	26.33	54.6	26.91	26.24	75.8	21.92	21.24
7.3	27.04	26.37	56.1	26.34	25.67	77.9	21.90	21.22
9.3	27.07	26.39	56.8	25.66	24.98	81.0	21.81	21.13
13.3	27.08	26.41	57.5	25.14	24.46	83.1	21.65	20.97
15.1	27.09	26.41	57.8	24.78	24.10	85.2	21.53	20.85
17.3	27.32	26.64	58.7	24.54	23.86	87.2	21.37	20.69
20.4	27.48	26.80	59.6	24.49	23.81	89.2	21.16	20.48
21.6	27.67	26.99	60.8	23.53	22.85	90.3	21.05	20.37
22.9	27.71	27.03	61.2	23.35	22.68	90.8	20.79	20.11
23.5	27.71	27.04	62.2	23.15	22.47	91.7	20.59	19.92
25.3	27.83	27.15	63.5	23.09	22.41	92.6	20.53	19.85
27.1	27.90	27.22	65.2	23.09	22.41	93.5	20.45	19.77
27.6	27.92	27.24	66.1	22.83	22.16	93.9	20.20	19.52
29.3	27.92	27.24	66.5	22.57	21.89	94.5	19.79	19.12
31.3	27.89	27.21	67.5	22.46	21.78	95.0	19.56	18.88
34.5	27.94	27.26	69.3	22.37	21.69	97.1	19.19	18.51
46.7	27.93	27.25	70.0	22.34	21.67	98.7	18.93	18.25
						100.0	18.72	18.04
						101.6	18.76	18.09

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 13
 TIME = 2257(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.11	27.11	38.4	27.88	27.88	72.2	22.15	22.15
.9	27.00	27.00	40.7	27.83	27.83	74.4	22.01	22.01
2.4	27.00	27.00	42.7	27.80	27.80	75.4	21.86	21.86
3.6	27.00	27.00	45.1	27.78	27.78	76.4	21.72	21.72
4.7	26.93	26.93	46.4	27.78	27.78	78.7	21.68	21.68
5.9	26.86	26.86	48.2	27.67	27.67	81.1	21.68	21.68
7.0	26.82	26.82	49.1	27.57	27.57	82.9	21.68	21.68
8.6	26.85	26.85	52.0	27.35	27.35	84.1	21.57	21.57
9.4	26.92	26.92	52.6	27.10	27.10	86.3	21.37	21.37
13.1	26.91	26.91	53.1	26.96	26.96	88.3	21.17	21.17
14.8	26.94	26.94	55.7	26.55	26.55	89.1	21.08	21.08
16.3	26.98	26.98	57.1	25.59	25.59	90.0	21.07	21.07
18.1	27.16	27.16	58.1	24.87	24.87	91.0	20.76	20.76
19.7	27.25	27.25	59.3	24.58	24.58	91.8	20.56	20.56
21.3	27.43	27.43	61.1	23.52	23.52	93.5	20.38	20.38
22.6	27.57	27.57	62.6	23.06	23.06	93.9	20.22	20.22
24.2	27.59	27.59	63.5	22.99	22.99	94.1	19.94	19.94
26.5	27.71	27.71	64.9	22.96	22.96	95.1	19.55	19.55
27.2	27.78	27.78	66.3	22.97	22.97	96.7	19.20	19.20
28.5	27.81	27.81	66.9	22.92	22.92	97.8	19.07	19.07
29.7	27.78	27.78	67.7	22.64	22.64	98.9	18.92	18.92
30.7	27.74	27.74	68.1	22.43	22.43	99.6	18.65	18.65
33.3	27.79	27.79	68.6	22.33	22.33	100.9	18.58	18.58
35.2	27.86	27.86	69.5	22.27	22.27	101.4	18.57	18.57
36.9	27.90	27.90	70.3	22.26	22.26	101.7	18.69	18.69

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 14
 TIME = 2316(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.41DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.01	26.60	47.3	27.76	27.35	71.0	22.12	21.71
2.0	27.04	26.62	48.3	27.70	27.28	72.3	22.06	21.65
3.0	26.95	26.54	48.8	27.60	27.19	73.5	22.01	21.60
3.9	26.90	26.48	50.1	27.46	27.05	74.2	21.93	21.52
5.7	26.89	26.48	51.3	27.29	26.88	75.4	21.83	21.42
6.7	26.93	26.52	52.3	27.13	26.71	77.2	21.77	21.35
8.5	26.94	26.53	52.7	26.99	26.57	78.6	21.76	21.35
10.5	26.97	26.56	53.3	26.90	26.49	81.4	21.71	21.30
14.6	27.04	26.63	54.6	26.83	26.42	84.0	21.59	21.18
17.9	27.25	26.84	55.8	26.37	25.95	86.6	21.45	21.04
20.4	27.44	27.02	56.2	25.91	25.49	89.3	21.10	20.69
21.8	27.55	27.14	56.6	25.52	25.10	91.0	20.83	20.42
23.3	27.54	27.13	56.9	25.09	24.68	91.9	20.55	20.14
24.4	27.59	27.18	58.5	24.63	24.22	93.0	20.46	20.05
25.2	27.71	27.30	59.8	23.88	23.47	93.6	20.26	19.85
25.8	27.79	27.37	60.5	23.37	22.96	94.2	19.98	19.57
27.3	27.79	27.38	61.5	23.13	22.71	94.7	19.63	19.22
29.1	27.79	27.38	63.3	23.05	22.64	95.9	19.46	19.05
31.7	27.80	27.39	64.5	23.01	22.60	98.5	18.94	18.53
34.6	27.92	27.51	64.0	22.81	22.39	99.0	18.71	18.30
39.9	27.88	27.47	66.5	22.50	22.09	100.0	18.66	18.25
42.9	27.82	27.41	67.4	22.29	21.87	100.8	18.66	18.25
44.9	27.76	27.35	69.0	22.19	21.78	101.2	18.74	18.33

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 15
 TIME = 2328(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.39DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.89	26.50	44.3	27.80	27.41	72.7	22.05	21.66
1.5	26.95	26.55	46.9	27.78	27.39	74.1	22.01	21.62
2.9	26.97	26.58	48.1	27.73	27.34	74.5	21.95	21.56
3.1	27.00	26.60	49.9	27.56	27.17	75.1	21.81	21.42
4.8	26.88	26.49	51.6	27.42	27.03	76.9	21.72	21.32
5.8	26.83	26.44	52.5	27.25	26.86	79.0	21.53	21.19
6.8	26.65	26.46	52.9	27.08	26.69	81.9	21.57	21.18
8.6	26.89	26.49	53.3	26.92	26.52	84.3	21.52	21.13
9.8	26.95	26.55	55.1	26.70	26.31	86.8	21.41	21.02
12.3	26.96	26.57	55.7	26.53	26.14	88.4	21.25	20.85
15.1	26.99	26.60	56.5	25.50	25.11	89.1	21.05	20.66
17.1	27.10	26.71	56.7	25.25	24.86	90.2	20.91	20.52
19.3	27.28	26.88	57.4	24.94	24.55	91.2	20.72	20.32
22.9	27.51	27.12	58.2	24.62	24.23	91.7	20.57	20.18
24.4	27.50	27.11	60.3	23.40	23.01	92.6	20.45	20.06
25.5	27.66	27.27	61.0	23.12	22.73	93.2	20.17	19.77
26.5	27.77	27.37	61.2	23.05	22.66	93.9	19.59	19.20
28.3	27.81	27.42	65.0	22.99	22.60	94.5	19.51	19.11
29.4	27.75	27.35	65.9	22.95	22.56	95.6	19.46	19.07
30.8	27.79	27.39	66.3	22.82	22.43	96.0	19.43	19.03
32.7	27.67	27.48	66.8	22.52	22.13	96.8	19.22	18.83
33.6	27.93	27.54	67.4	22.29	21.90	97.6	19.04	18.64
38.7	27.91	27.52	69.3	22.15	21.76	98.7	18.68	18.28
41.9	27.85	27.45	71.1	22.08	21.68	100.4	18.59	18.19
						101.2	18.61	18.22

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 16
 TIME = 2344(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.67DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.07	26.40	44.7	27.88	27.21	70.0	22.29	21.62
4.4	27.08	26.41	46.9	27.83	27.16	71.3	22.13	21.51
5.2	26.93	26.26	48.2	27.84	27.17	74.8	22.02	21.35
6.6	26.88	26.21	49.2	27.80	27.13	77.0	21.87	21.20
7.9	26.93	26.26	50.0	27.69	27.02	78.1	21.77	21.10
10.3	26.96	26.29	51.6	27.60	26.93	82.5	21.63	20.96
12.1	27.02	26.35	53.1	27.47	26.80	84.9	21.60	20.93
14.2	27.07	26.40	53.7	27.17	26.50	87.4	21.47	20.80
16.7	27.12	26.45	54.7	26.92	26.25	88.2	21.44	20.77
18.4	27.18	26.51	56.0	26.34	25.67	88.9	21.35	20.68
20.8	27.35	26.68	56.4	25.81	25.14	89.6	21.16	20.49
22.2	27.46	26.79	57.0	25.34	24.67	91.5	20.83	20.21
23.2	27.50	26.83	58.3	24.92	24.25	92.7	20.66	19.99
25.0	27.51	26.84	58.7	24.65	23.93	93.0	20.44	19.77
25.6	27.55	26.88	59.6	24.33	23.66	93.1	20.39	19.72
26.6	27.82	27.15	60.2	23.84	23.17	93.6	20.33	19.66
28.1	27.86	27.19	61.4	23.25	22.58	94.1	20.22	19.55
30.3	27.83	27.16	62.5	23.10	22.43	94.7	19.99	19.32
32.2	27.89	27.22	63.9	23.07	22.40	96.0	19.55	18.88
33.5	27.93	27.26	64.6	22.90	22.23	96.8	19.34	18.67
35.4	27.98	27.31	66.5	22.59	21.92	97.3	19.16	18.49
37.3	27.97	27.30	67.1	22.53	21.91	98.4	19.01	18.34
40.8	27.95	27.28	68.4	22.53	21.86	99.0	18.87	18.20
						100.0	18.67	18.00
						100.9	18.65	17.98

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 17
 TIME = 2357(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/16/79
 LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.96	26.96	36.7	27.83	27.83	67.7	22.44	22.44
2.2	26.93	26.93	43.7	27.82	27.82	68.5	22.35	22.35
3.7	26.91	26.91	45.3	27.82	27.82	69.5	22.19	22.19
4.4	26.92	26.92	46.4	27.79	27.79	70.5	22.05	22.05
4.8	26.81	26.81	47.5	27.73	27.73	71.6	22.00	22.00
5.4	26.79	26.79	49.0	27.69	27.69	73.1	21.98	21.98
6.2	26.86	26.86	50.7	27.61	27.61	74.4	21.91	21.91
6.7	26.81	26.81	51.8	27.41	27.41	75.6	21.84	21.84
7.7	26.84	26.84	52.7	27.24	27.24	76.4	21.69	21.69
8.6	26.88	26.88	53.7	27.02	27.02	76.9	21.64	21.64
9.3	26.92	26.92	54.6	26.41	26.41	78.8	21.59	21.59
14.7	26.95	26.95	55.1	25.96	25.96	80.7	21.53	21.53
16.2	26.95	26.95	55.9	25.57	25.57	85.7	21.45	21.45
16.7	27.02	27.02	55.9	25.29	25.29	87.2	21.38	21.38
18.0	27.12	27.12	57.1	24.89	24.89	88.4	21.30	21.30
19.7	27.24	27.24	57.8	24.55	24.55	89.4	21.07	21.07
20.7	27.35	27.35	58.6	24.27	24.27	90.7	20.81	20.81
21.7	27.41	27.41	59.1	23.82	23.82	92.1	20.51	20.51
22.2	27.43	27.43	60.0	23.42	23.42	92.8	20.30	20.30
23.8	27.41	27.41	60.7	23.19	23.19	93.8	19.92	19.92
26.0	27.79	27.79	61.5	23.12	23.12	95.5	19.53	19.53
27.7	27.80	27.80	62.7	23.06	23.06	96.2	19.20	19.20
30.4	27.81	27.81	63.4	22.98	22.98	96.6	19.09	19.09
34.1	27.83	27.83	64.2	22.82	22.82	97.9	18.98	18.98
34.6	27.91	27.91	64.7	22.60	22.60	98.5	18.68	18.68
35.8	27.84	27.84	65.5	22.51	22.51	99.3	18.58	18.58
						99.7	18.57	18.57

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 18
 TIME = 15(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.42DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.92	26.50	37.9	27.83	27.41	70.4	22.03	21.61
3.3	26.92	26.50	42.1	27.79	27.37	71.8	21.93	21.56
5.8	26.86	26.44	45.4	27.70	27.29	73.5	21.69	21.47
7.3	26.79	26.37	47.9	27.60	27.18	74.7	21.82	21.40
8.8	26.94	26.53	49.7	27.40	26.98	76.0	21.80	21.38
9.4	26.96	26.55	51.7	27.34	26.93	76.9	21.63	21.26
16.8	27.01	26.59	53.3	27.04	26.62	77.7	21.57	21.16
17.5	27.04	26.62	54.1	26.52	26.10	78.9	21.49	21.07
18.1	27.20	26.78	55.3	25.49	25.07	81.0	21.46	21.04
19.4	27.29	26.87	56.7	24.87	24.45	83.6	21.46	21.05
20.1	27.29	26.87	57.4	24.59	24.17	84.8	21.45	21.03
20.6	27.26	26.85	58.1	24.12	23.70	87.2	21.40	20.98
21.4	27.33	26.91	59.1	23.52	23.11	89.8	21.31	20.89
22.5	27.57	27.16	59.8	23.44	23.02	90.3	21.19	20.78
23.2	27.70	27.28	60.7	23.15	22.73	91.4	20.95	20.53
23.7	27.79	27.37	61.2	23.07	22.65	93.6	20.59	20.17
24.9	27.83	27.41	63.0	23.00	22.58	95.9	19.79	19.37
26.5	27.81	27.39	64.1	22.95	22.53	97.1	19.45	19.03
28.0	27.81	27.39	64.6	22.78	22.36	97.5	19.16	18.75
29.8	27.88	27.46	65.0	22.48	22.06	98.3	19.02	18.60
31.7	27.92	27.50	65.7	22.36	21.95	99.4	18.85	18.43
32.6	27.89	27.47	67.2	22.33	21.92	100.5	18.53	18.16
34.4	27.81	27.39	67.8	22.24	21.82	101.0	18.57	18.15
35.8	27.82	27.41	68.4	22.14	21.72	101.2	18.66	18.24

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 19
 TIME = 20(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.67DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.07	26.40	35.4	27.97	27.30	62.2	23.16	22.48
2.6	27.06	26.39	38.0	27.95	27.27	63.9	23.12	22.45
4.7	27.06	26.38	40.1	27.97	27.29	65.7	22.54	21.87
5.7	26.98	26.31	42.7	27.95	27.28	67.2	22.48	21.80
7.4	26.94	26.27	44.2	27.90	27.23	68.9	22.40	21.73
8.9	27.05	26.37	46.0	27.83	27.16	70.3	22.23	21.55
9.9	27.12	26.44	47.1	27.79	27.11	71.3	22.14	21.47
11.8	27.15	26.48	48.6	27.78	27.11	73.4	22.14	21.47
17.4	27.19	26.51	49.5	27.82	27.15	74.7	22.05	21.38
17.9	27.26	26.58	51.0	27.69	27.01	77.9	21.97	21.30
18.9	27.38	26.70	52.2	27.60	26.93	78.5	21.88	21.21
19.7	27.41	26.74	53.0	27.50	26.82	79.7	21.67	21.00
20.7	27.38	26.71	54.0	27.12	26.44	83.2	21.59	20.92
21.6	27.36	26.68	54.5	26.68	26.00	87.6	21.55	20.88
22.4	27.37	26.70	55.1	26.06	25.39	88.8	21.56	20.88
23.0	27.55	26.87	56.2	25.52	24.84	90.3	21.46	20.79
23.8	27.80	27.12	57.3	25.11	24.43	91.7	21.28	20.61
24.5	27.89	27.21	58.2	24.74	24.07	92.3	21.15	20.48
25.7	27.93	27.25	58.9	24.28	23.61	95.0	20.68	20.01
27.1	27.92	27.25	59.3	23.89	23.21	96.9	20.03	19.36
28.0	27.95	27.28	59.6	23.72	23.05	98.0	19.63	18.95
30.4	28.03	27.36	60.6	23.65	22.98	99.8	19.15	18.47
33.5	28.03	27.35	61.5	23.28	22.61	100.7	18.97	18.30
						101.4	18.85	18.18
						102.4	18.70	18.02

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 20
 TIME = 45(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.67DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.07	26.40	31.8	27.95	27.28	63.3	22.89	22.22
1.4	27.04	26.37	33.7	27.90	27.23	63.8	22.76	22.09
2.0	27.09	26.42	37.0	27.90	27.23	64.1	22.58	21.91
2.9	27.03	26.37	39.1	27.86	27.19	65.1	22.52	21.85
3.9	27.03	26.36	40.7	27.83	27.17	66.3	22.45	21.78
4.3	27.05	26.38	41.4	27.81	27.14	67.3	22.30	21.63
4.8	26.97	26.30	42.5	27.79	27.12	69.0	22.11	21.45
6.4	26.96	26.29	47.1	27.78	27.11	71.6	22.06	21.39
8.1	27.03	26.36	48.3	27.75	27.09	73.0	21.96	21.29
8.5	27.06	26.39	49.1	27.69	27.02	74.0	21.88	21.21
9.3	27.09	26.42	49.8	27.66	26.99	75.4	21.82	21.15
11.6	27.03	26.36	50.6	27.64	26.97	76.6	21.78	21.11
12.9	27.01	26.34	51.5	27.50	26.83	78.7	21.52	20.85
14.2	27.04	26.37	52.3	26.89	26.22	80.3	21.44	20.77
15.2	27.15	26.49	54.0	26.04	25.37	84.3	21.41	20.75
16.6	27.23	26.56	55.6	25.26	24.59	86.9	21.41	20.74
18.6	27.30	26.63	56.2	25.09	24.43	88.1	21.37	20.70
19.2	27.26	26.59	56.8	24.65	23.98	89.5	21.22	20.55
20.0	27.24	26.57	57.7	24.18	23.51	91.4	20.88	20.21
21.0	27.35	26.68	57.9	23.84	23.17	92.9	20.55	19.88
21.7	27.68	27.01	58.3	23.68	23.01	93.6	20.20	19.53
22.4	27.85	27.18	58.9	23.60	22.93	94.2	19.89	19.22
23.4	27.89	27.22	59.5	23.46	22.80	95.5	19.57	18.90
24.8	27.92	27.25	60.0	23.21	22.54	96.2	19.36	18.69
27.5	27.94	27.27	60.8	23.03	22.36	97.0	19.13	18.46
28.6	27.99	27.32	61.3	22.96	22.29	98.4	18.94	18.27
						100.3	18.63	17.96
						102.3	18.64	17.97

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 21
 TIME = 58(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.30DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.65DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.95	26.30	50.5	27.64	26.99	70.0	22.04	21.39
7.4	26.93	26.27	50.8	27.59	26.94	71.9	21.97	21.32
10.0	27.01	26.36	52.6	27.04	26.39	73.4	21.92	21.27
11.5	27.07	26.42	53.2	26.64	25.99	74.6	21.80	21.15
12.7	26.97	26.31	53.1	26.44	25.79	75.6	21.77	21.12
15.3	26.98	26.33	53.5	26.24	25.59	76.9	21.72	21.07
16.8	27.06	26.40	54.4	25.89	25.24	79.3	21.69	21.04
20.0	27.10	26.45	55.9	25.18	24.52	80.2	21.66	21.01
21.6	27.19	26.54	57.0	24.80	24.15	81.0	21.56	20.90
22.3	27.31	26.66	58.0	24.27	23.62	81.8	21.45	20.79
22.7	27.69	27.04	58.4	23.84	23.19	82.5	21.38	20.73
23.3	27.79	27.13	58.7	23.60	22.95	85.6	21.35	20.70
24.7	27.86	27.21	59.4	23.54	22.89	87.5	21.27	20.62
25.3	27.81	27.16	60.0	23.55	22.90	89.6	21.09	20.44
26.5	27.83	27.18	60.9	23.90	22.65	92.7	20.62	19.97
27.6	27.88	27.23	61.5	23.03	22.38	93.5	20.38	19.73
29.1	27.90	27.24	62.0	22.84	22.18	94.5	19.83	19.18
31.9	27.84	27.19	63.0	22.75	22.09	96.2	19.30	18.65
33.6	27.84	27.19	64.1	22.68	22.03	96.9	19.11	18.46
35.6	27.78	27.13	64.5	22.64	21.99	97.8	19.01	18.36
38.6	27.75	27.10	65.0	22.49	21.84	98.5	18.87	18.22
45.9	27.71	27.06	66.2	22.42	21.77	99.5	18.64	17.99
46.8	27.66	27.01	67.3	22.40	21.75	100.4	18.55	17.90
48.5	27.64	26.99	68.1	22.32	21.67	101.4	18.50	17.85
50.2	27.64	26.99	68.6	22.13	21.48	102.3	18.57	17.92

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 22
 TIME = 119(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.40DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.80	26.40	36.7	27.60	27.21	74.2	21.55	21.16
1.7	26.79	26.39	39.3	27.61	27.21	77.1	21.52	21.12
9.0	26.77	26.38	47.9	27.58	27.19	78.1	21.50	21.10
9.5	26.84	26.44	49.7	27.55	27.15	79.0	21.42	21.03
11.4	26.88	26.49	51.6	27.52	27.12	79.9	21.26	20.86
13.3	26.88	26.49	52.7	27.40	27.01	80.1	21.21	20.81
15.3	26.85	26.45	53.3	27.10	26.70	81.4	21.19	20.80
17.0	26.84	26.44	54.0	26.66	26.27	86.9	21.18	20.78
18.1	26.95	26.55	55.4	25.76	25.36	89.2	21.10	20.71
18.6	27.10	26.70	56.4	25.33	24.93	90.7	20.99	20.59
19.5	27.26	26.87	58.2	24.24	23.84	91.7	20.84	20.45
20.7	27.27	26.88	58.6	23.69	23.30	93.2	20.60	20.21
21.7	27.32	26.92	59.3	23.33	22.94	94.2	20.49	20.10
22.5	27.48	27.08	60.2	23.25	22.85	95.0	20.33	19.93
23.2	27.63	27.23	61.1	23.21	22.81	95.7	19.94	19.55
24.3	27.68	27.29	61.7	22.93	22.54	96.3	19.51	19.12
25.7	27.73	27.33	62.2	22.71	22.31	96.9	19.12	18.73
26.5	27.69	27.30	63.3	22.53	22.14	98.3	18.93	18.53
27.9	27.70	27.30	65.1	22.44	22.04	99.3	18.85	18.46
29.0	27.71	27.32	66.7	22.29	21.90	100.1	18.79	18.40
31.0	27.67	27.28	69.0	22.00	21.60	102.2	18.50	18.11
33.7	27.66	27.26	71.2	21.81	21.42	103.4	18.37	17.98
35.5	27.64	27.24	73.0	21.66	21.26	103.8	18.37	17.98

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 23
 TIME = 130(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.92	26.92	42.8	27.71	27.71	69.5	21.92	21.92
1.6	26.97	26.97	49.3	27.64	27.64	72.2	21.72	21.72
4.8	26.95	26.95	50.8	27.59	27.59	73.1	21.63	21.63
8.1	26.92	26.92	51.9	27.37	27.37	78.7	21.54	21.54
10.0	26.93	26.93	52.8	26.88	26.88	79.4	21.49	21.49
11.2	27.11	27.11	53.5	26.24	26.24	80.1	21.42	21.42
12.5	27.11	27.11	54.2	25.84	25.84	82.4	21.35	21.35
13.2	27.04	27.04	54.6	25.64	25.64	83.0	21.35	21.35
14.6	27.04	27.04	56.1	25.02	25.02	86.0	21.31	21.31
15.8	27.00	27.00	56.9	24.39	24.39	87.5	21.26	21.26
17.9	27.16	27.16	57.9	23.63	23.63	88.6	21.12	21.12
18.1	27.39	27.39	58.4	23.46	23.46	89.5	20.93	20.93
19.5	27.48	27.48	59.9	23.31	23.31	91.5	20.67	20.67
20.8	27.61	27.61	60.5	23.09	23.09	92.0	20.34	20.34
21.5	27.75	27.75	61.2	22.79	22.79	92.8	19.81	19.81
23.2	27.86	27.86	61.8	22.62	22.62	93.6	19.36	19.36
25.4	27.86	27.86	63.3	22.52	22.52	94.3	19.15	19.15
28.1	27.87	27.87	65.2	22.35	22.35	96.0	19.03	19.03
31.1	27.84	27.84	66.6	22.21	22.21	97.8	18.90	18.90
32.7	27.83	27.83	67.2	22.17	22.17	98.6	18.66	18.66
34.7	27.76	27.76	67.7	22.08	22.08	99.3	18.57	18.57
						100.4	18.54	18.54

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 24
 TIME = 145(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.30DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.56DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.86	26.30	51.7	27.05	26.49	78.4	21.53	20.97
.9	26.87	26.31	52.4	26.54	25.93	79.1	21.51	20.95
1.3	27.06	26.50	52.9	26.09	25.53	81.7	21.41	20.85
1.7	26.89	26.33	53.2	25.80	25.24	82.7	21.42	20.86
2.7	26.92	26.36	53.5	25.56	25.00	83.6	21.31	20.75
8.3	26.94	26.38	54.4	25.50	24.94	85.9	21.23	20.72
10.6	27.02	26.46	55.0	25.08	24.52	87.0	21.26	20.70
12.4	27.00	26.44	55.8	24.43	23.87	87.9	21.19	20.63
13.7	26.94	26.38	56.8	23.57	23.01	88.5	21.07	20.51
15.5	26.96	26.40	57.5	23.41	22.85	89.2	20.89	20.33
18.6	27.56	27.00	59.3	23.22	22.66	91.0	20.70	20.14
19.6	27.57	27.01	59.9	23.16	22.60	91.2	20.60	20.04
21.1	27.78	27.22	60.2	22.92	22.36	91.7	20.19	19.63
22.7	27.79	27.23	60.7	22.57	22.01	92.1	19.84	19.28
25.0	27.81	27.25	61.1	22.49	21.93	92.7	19.45	18.89
29.1	27.78	27.22	62.3	22.37	21.81	93.6	19.13	18.57
33.5	27.73	27.17	64.7	22.25	21.69	95.0	19.00	18.44
37.9	27.71	27.15	66.6	22.08	21.52	96.7	18.86	18.30
39.3	27.71	27.15	68.5	21.94	21.38	97.6	18.79	18.23
40.3	27.63	27.07	69.4	21.84	21.23	98.5	18.68	18.12
49.2	27.61	27.05	72.1	21.71	21.15	100.0	18.44	17.88
50.4	27.51	26.95	73.0	21.58	21.02	100.5	18.40	17.84

NOBC COUNTRY CODE = 31
 NOBC SHIP CODE = RU
 XBT NUMBER = 25
 TIME = 158(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NOBC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.50DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.90	26.40	52.0	25.84	25.34	73.6	21.67	21.16
11.2	26.92	26.42	52.4	25.69	25.19	74.8	21.56	21.06
11.9	26.99	26.49	53.0	25.65	25.14	76.0	21.51	21.00
12.8	26.97	26.47	53.4	25.44	24.94	78.0	21.47	20.97
14.0	26.95	26.45	54.7	24.53	24.03	82.4	21.46	20.96
14.9	26.90	26.40	55.9	23.78	23.28	83.1	21.38	20.88
16.1	26.97	26.47	56.4	23.49	22.99	84.6	21.31	20.81
17.0	27.20	26.70	56.9	23.40	22.90	86.5	21.27	20.77
17.6	27.41	26.91	58.5	23.27	22.76	87.8	21.28	20.77
18.9	27.75	27.25	59.5	23.16	22.65	88.7	21.19	20.69
21.4	27.86	27.36	60.0	22.97	22.46	89.2	21.08	20.58
22.9	27.86	27.36	60.6	22.74	22.23	90.4	20.95	20.45
25.8	27.82	27.32	61.4	22.49	21.99	91.5	20.80	20.30
35.0	27.73	27.23	62.0	22.42	21.91	92.2	20.60	20.10
38.9	27.70	27.19	63.0	22.37	21.86	92.6	20.23	19.73
41.6	27.66	27.16	64.4	22.33	21.83	92.8	20.00	19.50
45.4	27.64	27.14	66.0	22.24	21.74	93.3	19.58	19.08
48.0	27.61	27.11	67.2	22.15	21.65	94.0	19.28	18.78
49.2	27.33	26.83	68.5	22.10	21.59	95.4	19.00	18.50
50.3	26.89	26.39	69.7	22.00	21.50	97.1	18.91	18.41
51.2	26.24	25.74	72.0	21.84	21.34	98.4	18.69	18.19
						99.2	18.55	18.05
						100.8	18.38	17.88

NOBC COUNTRY CODE = 31
 NOBC SHIP CODE = RU
 XBT NUMBER = 26
 TIME = 215(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NOBC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.48DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.88	26.40	54.0	25.00	24.52	81.6	21.52	21.05
11.6	26.94	26.46	54.7	24.98	23.90	84.7	21.42	20.95
13.0	27.01	26.53	55.6	23.65	23.17	87.3	21.37	20.90
14.5	26.92	26.45	56.1	23.51	23.03	88.3	21.34	20.86
15.5	26.99	26.52	57.1	23.40	22.92	89.0	21.19	20.71
16.6	27.19	26.71	58.8	23.16	22.69	89.6	21.06	20.58
18.6	27.58	27.10	59.2	22.98	22.50	90.7	20.90	20.43
19.0	27.69	27.22	59.6	22.73	22.25	91.3	20.61	20.14
19.8	27.81	27.33	60.2	22.46	21.98	91.7	20.05	19.57
20.7	27.87	27.39	61.1	22.38	21.91	92.1	19.64	19.17
21.6	27.88	27.41	62.2	22.31	21.83	92.8	19.33	18.85
25.0	27.87	27.40	62.8	22.24	21.76	94.0	19.10	18.62
28.1	27.84	27.37	64.8	22.16	21.69	95.4	19.00	18.53
48.7	27.74	27.27	68.3	21.98	21.50	96.0	18.93	18.45
51.6	26.32	25.85	71.2	21.77	21.30	96.4	18.54	18.06
52.4	25.80	25.32	71.7	21.62	21.14	97.0	18.46	17.98
53.3	25.62	25.14	75.2	21.53	21.05	98.2	18.43	17.95
53.6	25.42	24.95	79.2	21.52	21.04	98.7	18.45	17.97

NODC COUNTRY CODE = 31

NODC SHIP CODE = RU

XBT NUMBER = 27

TIME = 230(CUT)

LATITUDE = 27DEG. 54.70MIN.N.

BUCKET TEMPERATURE = 26.40DEG. C.

REMARKS:

NODC INSTITUTION CODE = 24

CRUISE NUMBER = RS-10-79

DATE = 10/17/79

LONGITUDE = 93DEG. 38.40MIN.W.

SURF. TEMP. DIFF. = -.53DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.93	26.40	43.5	27.82	27.30	68.2	21.88	21.35
4.3	27.03	26.50	46.6	27.83	27.30	69.6	21.73	21.20
4.8	27.10	26.57	49.2	27.80	27.27	70.9	21.59	21.06
4.9	27.02	26.50	50.4	27.80	27.27	72.1	21.49	20.97
6.3	27.02	26.50	51.2	27.78	27.26	74.3	21.44	20.92
10.5	27.03	26.51	51.8	27.66	27.13	76.6	21.43	20.91
11.9	27.09	26.56	52.5	27.23	26.70	79.8	21.43	20.90
13.0	27.07	26.54	53.4	26.82	26.30	83.6	21.40	20.88
13.9	27.07	26.55	54.8	25.84	25.32	85.6	21.38	20.85
15.1	27.03	26.51	55.7	25.34	24.81	87.6	21.38	20.85
16.1	27.13	26.60	56.3	24.67	24.14	89.0	21.34	20.81
17.5	27.38	26.85	56.5	24.38	23.86	89.4	21.22	20.69
18.9	27.64	27.11	56.9	23.84	23.31	90.2	21.09	20.56
20.2	27.81	27.28	57.4	23.54	23.01	90.9	20.93	20.45
21.9	27.88	27.35	57.8	23.43	22.91	91.4	20.71	20.18
23.6	27.98	27.46	58.6	23.31	22.78	91.8	20.30	19.78
25.6	27.95	27.42	59.7	23.18	22.66	92.9	19.45	18.92
27.0	27.98	27.45	60.0	22.96	22.43	93.6	19.19	18.66
29.2	27.95	27.42	60.4	22.65	22.13	94.5	19.08	18.55
30.8	27.93	27.41	61.4	22.37	21.85	95.6	18.66	18.14
32.0	27.89	27.36	62.5	22.22	21.69	96.1	18.55	18.03
35.6	27.90	27.37	64.8	22.15	21.62	97.2	18.46	17.93
37.7	27.91	27.38	66.1	22.14	21.61	98.6	18.41	17.89
41.1	27.89	27.36	67.3	22.06	21.53	98.9	18.53	18.00

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 28
 TIME = 245(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.30DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.63DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.93	26.30	49.9	27.61	26.98	84.3	21.39	20.76
4.1	26.97	26.34	50.7	27.23	26.66	88.2	21.39	20.76
4.7	27.04	26.41	52.0	26.48	25.86	89.4	21.37	20.75
5.0	26.96	26.33	52.8	25.95	25.33	90.0	21.33	20.70
6.7	26.95	26.32	54.1	25.48	24.65	90.4	21.20	20.57
8.4	26.94	26.31	55.0	24.29	23.67	90.7	21.14	20.51
13.3	26.92	26.29	55.7	23.58	22.95	91.3	21.04	20.42
15.2	26.96	26.33	56.7	23.37	22.74	92.1	21.01	20.38
16.8	27.05	26.43	57.7	23.29	22.66	92.3	20.90	20.28
18.0	27.16	26.53	58.3	23.23	22.60	92.7	20.50	19.87
18.6	27.37	26.74	59.2	23.18	22.56	93.7	19.53	18.90
19.0	27.62	26.99	59.8	23.00	22.37	94.4	19.19	18.56
19.8	27.75	27.12	60.4	22.63	22.00	94.9	19.06	18.43
21.1	27.80	27.17	61.1	22.42	21.79	95.9	18.78	18.15
23.1	27.81	27.19	61.8	22.34	21.71	96.8	18.70	18.07
24.9	27.82	27.19	62.4	22.31	21.69	97.0	18.51	17.88
26.7	27.81	27.18	62.9	22.29	21.66	97.8	18.42	17.80
27.3	27.80	27.17	63.3	22.21	21.58	98.7	18.41	17.73
28.0	27.73	27.10	64.4	22.09	21.46	99.4	18.39	17.77
31.2	27.74	27.11	65.9	22.06	21.43	99.6	18.33	17.70
34.5	27.75	27.13	68.1	22.05	21.42	99.7	18.49	17.87
38.7	27.76	27.13	69.1	21.97	21.34	99.8	18.54	17.92
41.2	27.72	27.10	69.7	21.83	21.20	100.7	18.58	17.95
41.7	27.67	27.04	71.3	21.59	20.96	102.6	18.60	17.97
44.4	27.63	27.00	73.0	21.49	20.86	103.3	18.61	17.99
47.1	27.64	27.01	75.0	21.43	20.80	104.2	18.61	17.98
49.5	27.63	27.01	79.9	21.38	20.75	105.9	18.60	17.97

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 29
 TIME = 259(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.50DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.90	26.40	39.9	27.72	27.22	69.9	22.07	21.56
2.4	26.92	26.41	41.0	27.66	27.15	71.2	21.99	21.48
3.7	26.91	26.41	42.0	27.72	27.22	72.2	21.82	21.31
4.6	26.98	26.48	42.8	27.68	27.17	73.2	21.58	21.08
5.0	26.91	26.40	48.4	27.66	27.15	74.0	21.51	21.01
7.8	26.91	26.40	49.4	27.66	27.15	75.3	21.39	20.89
11.5	26.91	26.41	50.2	27.59	27.08	76.6	21.36	20.85
12.1	26.94	26.44	51.6	26.86	26.35	87.8	21.33	20.83
12.7	26.90	26.39	52.5	26.42	25.92	89.2	21.32	20.82
14.0	26.91	26.40	54.0	25.50	24.99	89.7	21.22	20.71
15.9	27.06	26.55	55.7	23.94	23.44	90.4	21.17	20.67
17.7	27.24	26.73	56.3	23.43	22.93	91.2	21.16	20.66
18.6	27.48	26.98	58.0	23.30	22.79	92.0	20.86	20.35
19.3	27.65	27.14	60.0	23.17	22.66	92.5	20.52	20.02
20.0	27.76	27.25	61.4	22.96	22.46	92.9	20.08	19.58
21.1	27.84	27.33	61.8	22.62	22.11	93.3	19.74	19.24
22.4	27.86	27.35	63.3	22.43	21.92	94.1	19.27	18.76
23.6	27.83	27.33	64.6	22.30	21.80	94.8	18.91	18.40
25.7	27.82	27.32	65.5	22.24	21.74	95.9	18.80	18.30
28.0	27.78	27.28	66.5	22.23	21.72	96.9	18.62	18.12
29.2	27.74	27.24	67.0	22.12	21.61	98.3	18.39	17.88
32.2	27.73	27.23	68.2	22.07	21.57	100.0	18.37	17.86
						100.5	18.66	18.15

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 30
 TIME = 320(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.53DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.93	26.40	48.0	27.63	27.10	66.6	21.95	21.42
11.5	26.92	26.40	49.7	27.62	27.09	67.1	21.87	21.35
12.3	26.88	26.35	50.4	27.40	26.87	67.9	21.68	21.16
13.0	26.87	26.34	51.3	26.57	26.05	69.8	21.52	20.99
14.7	27.13	26.60	52.8	25.93	25.40	71.6	21.40	20.87
15.8	27.28	26.76	53.5	25.63	25.10	73.2	21.29	20.77
17.5	27.59	27.07	54.1	25.03	24.51	78.6	21.29	20.76
18.4	27.74	27.22	54.6	24.16	23.64	84.8	21.30	20.78
19.6	27.83	27.31	55.7	23.52	22.99	88.0	21.24	20.71
20.9	27.83	27.31	57.4	23.16	22.63	89.6	21.16	20.63
22.8	27.82	27.29	58.6	23.04	22.52	90.7	20.93	20.41
25.3	27.80	27.28	59.3	22.95	22.43	91.9	20.52	20.00
28.4	27.76	27.24	60.6	22.87	22.35	91.8	20.02	19.50
29.8	27.75	27.23	61.6	22.43	21.90	92.2	19.64	19.11
32.2	27.73	27.20	62.3	22.35	21.82	92.8	19.14	18.62
35.7	27.75	27.23	63.1	22.30	21.77	93.2	18.96	18.43
38.2	27.71	27.18	64.0	22.24	21.71	94.1	18.90	18.38
40.8	27.67	27.14	64.4	22.14	21.61	95.0	18.85	18.32
45.2	27.66	27.13	65.2	22.02	21.50	95.7	18.67	18.15
						96.5	18.50	17.98
						97.6	18.42	17.89

NOOC COUNTRY CODE = 31
 NOOC SHIP CODE = RU
 XBT NUMBER = 31
 TIME = 330(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NOOC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.57DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.97	26.40	50.4	27.59	27.01	72.9	21.39	20.62
4.6	26.98	26.41	51.7	26.86	26.28	74.8	21.32	20.74
10.8	26.98	26.41	52.8	26.58	25.96	78.1	21.29	20.72
13.1	26.96	26.39	53.0	26.18	25.56	81.8	21.26	20.69
14.2	26.99	26.42	54.1	25.70	25.13	84.9	21.27	20.69
15.5	27.14	26.57	54.5	25.26	24.68	88.1	21.26	20.69
16.4	27.41	26.84	55.1	24.68	24.06	89.9	21.21	20.64
17.8	27.66	27.09	55.5	24.15	23.58	91.4	21.10	20.53
18.8	27.84	27.26	56.4	23.60	23.03	91.9	20.97	20.40
20.0	27.88	27.31	57.6	23.29	22.72	92.4	20.62	20.05
23.2	27.88	27.31	59.1	23.08	22.50	92.8	20.20	19.62
34.8	27.83	27.25	60.9	22.94	22.37	93.3	19.71	19.14
39.3	27.81	27.24	61.8	22.87	22.30	93.7	19.30	18.73
41.0	27.80	27.23	62.4	22.85	22.27	94.3	19.14	18.56
42.0	27.74	27.16	64.0	22.40	21.82	94.8	19.00	18.43
44.3	27.72	27.15	66.5	22.12	21.55	96.0	18.89	18.32
48.4	27.73	27.15	68.5	21.92	21.35	96.5	18.60	18.02
49.7	27.73	27.15	71.2	21.61	21.03	97.4	18.47	17.90
						98.1	18.42	17.85
						98.9	18.39	17.82

NOOC COUNTRY CODE = 31
 NOOC SHIP CODE = RU
 XBT NUMBER = 32
 TIME = 344(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NOOC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.59DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.99	26.40	32.4	27.78	27.18	63.4	22.61	22.02
3.2	26.99	26.39	33.2	27.78	27.19	63.7	22.28	21.69
3.6	27.05	26.46	33.6	27.82	27.23	65.8	21.78	21.19
3.9	26.99	26.40	34.0	27.77	27.18	68.0	21.54	20.95
7.6	26.98	26.39	36.2	27.75	27.16	70.5	21.34	20.75
11.3	26.99	26.40	38.8	27.76	27.16	72.3	21.26	20.67
12.9	26.95	26.36	40.4	27.76	27.17	75.5	21.26	20.66
13.8	26.98	26.39	41.5	27.68	27.09	79.5	21.24	20.65
14.6	27.07	26.48	44.2	27.63	27.04	83.6	21.22	20.63
14.8	27.20	26.61	47.2	27.63	27.04	87.5	21.24	20.64
15.4	27.33	26.74	51.1	26.73	26.13	89.2	21.23	20.64
16.9	27.66	27.06	52.0	26.33	25.73	90.2	21.13	20.54
17.7	27.83	27.24	52.9	25.91	25.32	91.2	20.91	20.32
18.5	27.92	27.33	53.5	25.83	25.24	91.4	20.62	20.02
20.5	27.91	27.31	53.7	25.60	25.00	91.8	20.22	19.63
22.5	27.90	27.31	54.1	25.08	24.48	92.3	19.84	19.25
23.8	27.86	27.26	54.7	24.50	23.91	92.9	19.43	18.83
26.0	27.78	27.19	55.6	23.65	23.06	93.3	19.03	18.43
27.5	27.78	27.18	57.4	23.21	22.62	93.8	18.72	18.13
28.7	27.80	27.20	58.9	22.97	22.38	94.4	18.73	18.13
29.6	27.82	27.22	60.4	22.81	22.21	96.0	18.47	17.88
31.1	27.80	27.21	62.6	22.74	22.15	96.3	18.40	17.81
						98.4	18.37	17.77
						98.8	18.49	17.89

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 33
 TIME = 359(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.50DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.90	26.40	53.1	26.21	25.71	68.0	21.62	21.12
11.3	26.92	26.42	53.9	26.05	25.55	68.4	21.55	21.06
12.7	26.87	26.37	54.4	25.67	25.17	70.2	21.53	21.03
13.4	26.89	26.39	55.2	25.04	24.54	71.5	21.45	20.95
14.7	27.00	26.50	55.5	24.58	24.08	72.8	21.32	20.82
15.9	27.43	26.93	55.8	24.15	23.65	74.2	21.26	20.76
17.6	27.65	27.15	56.7	23.78	23.28	75.5	21.19	20.69
19.7	27.83	27.33	57.5	23.44	22.94	77.4	21.16	20.67
22.1	27.86	27.36	58.2	23.37	22.87	90.6	21.19	20.69
24.1	27.83	27.33	58.6	23.34	22.84	92.1	21.19	20.69
26.2	27.78	27.28	59.9	23.05	22.55	93.0	21.16	20.66
30.2	27.78	27.28	60.5	22.88	22.38	93.6	21.03	20.53
34.6	27.74	27.24	61.8	22.79	22.29	94.3	20.65	20.15
37.1	27.74	27.24	62.8	22.77	22.27	94.6	20.19	19.69
40.6	27.69	27.20	63.2	22.68	22.18	94.9	19.76	19.26
41.2	27.69	27.19	63.9	22.56	22.06	95.4	19.36	18.86
42.7	27.62	27.12	64.2	22.37	21.87	95.6	19.06	18.56
48.8	27.60	27.10	64.8	22.12	21.63	96.1	18.88	18.38
50.0	27.60	27.10	65.5	22.03	21.53	96.9	18.81	18.32
50.5	27.34	26.84	66.3	21.95	21.46	97.7	18.70	18.20
51.3	26.90	26.40	67.1	21.88	21.38	98.4	18.31	17.81
51.9	26.60	26.10	67.8	21.73	21.23	98.9	18.30	17.81
						99.7	18.27	17.77
						99.8	18.19	17.69

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 34
 TIME = 418(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -1.16DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.56	26.40	24.5	28.24	27.07	62.8	22.68	21.51
2.8	27.53	26.37	25.0	28.09	26.92	63.7	22.59	21.43
4.0	27.48	26.32	26.3	27.97	26.81	64.4	22.25	21.09
4.6	27.57	26.41	27.9	27.91	26.75	64.8	22.01	20.84
4.8	27.45	26.29	31.0	27.90	26.74	65.1	21.86	20.70
5.9	27.46	26.30	34.3	27.88	26.71	66.3	21.79	20.63
7.1	27.48	26.32	37.2	27.84	26.68	68.2	21.71	20.55
7.3	27.56	26.40	42.7	27.76	26.60	70.4	21.60	20.43
9.7	27.58	26.41	44.9	27.72	26.56	72.7	21.36	20.19
10.8	27.60	26.44	46.8	27.72	26.56	75.1	21.26	20.10
11.5	27.61	26.45	47.8	27.70	26.53	79.7	21.23	20.07
12.9	27.56	26.40	48.6	27.68	26.52	83.2	21.22	20.06
13.5	27.49	26.33	49.3	27.65	26.48	85.9	21.24	20.08
15.4	27.41	26.25	50.2	27.23	26.07	89.8	21.24	20.08
16.4	27.45	26.39	51.0	26.88	25.72	92.5	21.24	20.08
16.9	27.49	26.33	52.4	26.50	25.34	92.9	21.17	20.01
16.9	27.64	26.47	53.6	26.02	24.86	93.6	20.73	19.57
17.5	27.82	26.66	54.1	25.38	24.22	94.4	19.93	18.76
18.3	28.03	26.86	55.1	24.67	23.51	94.8	19.40	18.24
18.8	28.18	27.01	56.0	23.99	22.83	95.2	19.01	17.85
19.5	28.26	27.10	57.1	23.63	22.47	95.9	18.90	17.74
20.6	28.24	27.08	58.3	23.44	22.28	96.3	18.90	17.74
21.9	28.23	27.07	58.6	23.10	21.94	96.7	18.79	17.63
22.9	28.15	26.99	59.5	22.85	21.69	98.3	18.46	17.29
23.2	28.13	26.97	61.9	22.70	21.53	98.9	18.36	17.20

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 35
 TIME = 432(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS: TIME CUT IS WRONG

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.66DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.06	26.40	45.9	27.67	27.01	66.6	21.76	21.09
3.8	27.05	26.39	48.6	27.63	26.97	67.7	21.69	21.03
8.9	27.04	26.37	49.6	27.60	26.93	68.3	21.58	20.91
14.1	27.04	26.38	51.1	27.13	26.46	68.8	21.51	20.85
14.7	27.00	26.33	51.6	27.02	26.35	69.8	21.48	20.81
15.6	27.04	26.39	52.5	26.88	26.22	71.6	21.44	20.78
16.4	27.28	26.62	53.1	26.61	25.94	73.4	21.35	20.68
17.3	27.55	26.89	54.7	25.31	24.65	74.7	21.19	20.53
18.2	27.66	27.00	55.6	24.74	24.08	75.8	21.18	20.51
19.0	27.81	27.14	56.2	24.12	23.45	91.0	21.19	20.52
20.9	27.89	27.22	57.1	23.79	23.13	91.9	21.17	20.51
22.0	27.86	27.20	58.8	23.43	22.77	92.4	21.07	20.40
23.9	27.84	27.18	59.9	23.22	22.56	92.9	20.56	19.89
32.2	27.83	27.17	59.9	22.94	22.27	93.2	20.08	19.42
36.4	27.86	27.19	60.8	22.75	22.09	93.6	19.64	18.97
39.2	27.81	27.15	61.4	22.67	22.01	93.8	19.20	18.53
41.3	27.75	27.09	63.4	22.60	21.93	94.4	18.89	18.23
43.2	27.72	27.06	64.5	22.57	21.91	95.3	18.77	18.10
44.0	27.74	27.07	64.7	22.31	21.65	95.9	18.65	17.99
44.5	27.69	27.02	65.5	21.89	21.22	96.7	18.54	17.88
45.1	27.66	27.00	65.7	21.81	21.14	97.3	18.50	17.83
						97.8	18.47	17.80

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 36
 TIME = 445(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.30DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.71DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.01	26.30	30.3	27.89	27.18	61.9	22.66	21.95
5.3	27.01	26.30	33.0	27.84	27.13	64.6	22.55	21.83
6.8	27.03	26.32	35.7	27.86	27.15	65.3	22.50	21.79
7.0	27.07	26.35	39.2	27.81	27.10	65.8	22.28	21.57
8.6	27.02	26.31	41.2	27.73	27.02	66.3	21.97	21.25
10.7	27.02	26.31	43.2	27.69	26.98	67.7	21.85	21.14
12.3	27.00	26.29	44.9	27.66	26.95	69.8	21.52	20.81
14.0	26.95	26.24	46.8	27.60	26.89	72.9	21.29	20.58
14.8	26.96	26.24	48.4	27.62	26.90	75.6	21.26	20.55
15.4	27.05	26.33	49.1	27.58	26.87	77.5	21.23	20.52
16.1	27.37	26.66	50.2	27.37	26.65	81.1	21.19	20.48
16.6	27.58	26.86	51.9	26.86	26.15	83.8	21.17	20.46
17.5	27.71	27.00	53.0	26.35	25.64	87.1	21.19	20.48
18.4	27.85	27.13	54.1	25.60	24.89	89.7	21.20	20.48
19.5	27.88	27.16	54.9	25.03	24.32	91.8	21.18	20.46
20.5	27.85	27.14	55.8	24.57	23.86	93.2	21.16	20.45
22.2	27.86	27.15	56.2	24.29	23.58	94.0	20.88	20.16
24.1	27.83	27.12	56.8	23.88	23.16	94.5	20.32	19.61
25.5	27.82	27.11	58.2	23.59	22.88	94.7	19.74	19.03
28.2	27.83	27.12	59.5	23.25	22.54	95.2	19.27	18.55
29.7	27.85	27.14	60.2	22.94	22.23	96.0	18.90	18.19
						96.7	18.54	17.83
						98.0	18.45	17.73

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 37
 TIME = 458(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.05	27.05	50.7	27.49	27.49	74.3	21.24	21.24
5.3	27.07	27.07	52.5	26.67	26.67	76.9	21.22	21.22
12.1	27.06	27.06	54.0	25.99	25.99	82.8	21.22	21.22
14.8	27.02	27.02	54.7	25.23	25.23	90.4	21.22	21.22
15.2	27.05	27.05	55.7	24.54	24.54	91.5	21.21	21.21
16.0	27.38	27.38	56.5	24.19	24.19	92.3	21.18	21.18
17.0	27.64	27.64	57.1	23.95	23.95	92.9	21.07	21.07
18.3	27.83	27.83	58.0	23.82	23.82	93.1	20.74	20.74
18.9	27.88	27.88	58.7	23.55	23.55	93.2	20.29	20.29
21.0	27.87	27.87	60.0	23.05	23.05	93.6	19.77	19.77
24.1	27.88	27.88	61.1	22.78	22.78	93.8	19.41	19.41
27.6	27.88	27.88	62.6	22.64	22.64	94.2	19.15	19.15
31.7	27.89	27.89	64.1	22.51	22.51	94.6	18.78	18.78
35.9	27.82	27.82	65.9	22.49	22.49	95.1	18.72	18.72
38.9	27.80	27.80	67.4	22.03	22.03	96.0	18.61	18.61
40.8	27.73	27.73	68.6	21.74	21.74	97.0	18.51	18.51
42.5	27.63	27.63	71.4	21.52	21.52	98.0	18.48	18.48
48.9	27.66	27.66	72.8	21.36	21.36	98.1	18.54	18.54

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 38
 TIME = 519(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.10	27.10	44.0	27.87	27.87	66.4	22.49	22.49
2.6	27.11	27.11	46.8	27.82	27.82	69.2	22.10	22.10
3.6	27.27	27.27	49.0	27.82	27.82	71.3	21.79	21.79
6.7	27.34	27.34	51.0	27.51	27.51	73.7	21.57	21.57
10.0	27.32	27.32	52.2	27.05	27.05	77.4	21.43	21.43
12.3	27.29	27.29	53.9	26.52	26.52	80.7	21.42	21.42
14.6	27.27	27.27	54.6	26.21	26.21	83.6	21.41	21.41
16.2	27.30	27.30	54.8	25.77	25.77	84.6	21.40	21.40
16.9	27.55	27.55	55.0	25.24	25.24	84.9	21.48	21.48
17.7	27.84	27.84	55.9	24.70	24.70	89.5	21.43	21.43
18.3	28.08	28.08	57.6	24.38	24.38	92.8	21.39	21.39
20.0	28.15	28.15	58.6	24.16	24.16	94.2	21.36	21.36
26.4	28.16	28.16	59.6	23.76	23.76	95.0	20.91	20.91
29.0	28.17	28.17	60.4	23.60	23.60	95.6	20.31	20.31
31.8	28.11	28.11	61.8	23.23	23.23	95.9	19.73	19.73
34.0	28.00	28.00	63.6	22.70	22.70	96.3	19.33	19.33
39.8	27.94	27.94	65.1	22.63	22.63	97.0	18.98	18.98
						98.0	18.69	18.69
						98.9	18.56	18.56

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 39
 TIME = 530(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.64DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.14	26.50	53.9	26.32	25.68	73.2	21.47	20.84
3.5	27.09	26.45	54.6	25.71	25.07	74.5	21.35	20.71
7.5	27.09	26.45	55.2	25.05	24.42	76.1	21.28	20.64
14.5	27.08	26.45	55.7	24.68	24.04	78.9	21.26	20.62
16.3	27.10	26.47	57.2	24.09	23.46	81.4	21.25	20.62
17.2	27.17	26.53	59.5	23.59	22.96	84.5	21.24	20.61
18.4	27.71	27.07	60.9	23.16	22.53	88.9	21.28	20.64
19.5	27.88	27.25	61.3	23.03	22.39	92.1	21.30	20.66
21.7	27.94	27.30	62.0	22.75	22.11	94.1	21.26	20.62
28.2	27.95	27.32	63.3	22.54	21.90	95.0	21.05	20.42
35.3	27.91	27.28	63.9	22.49	21.85	95.6	20.51	19.87
39.6	27.85	27.21	64.9	22.45	21.81	95.9	19.86	19.22
43.4	27.75	27.11	65.9	22.29	21.65	96.4	19.19	18.55
48.0	27.71	27.07	68.4	21.91	21.27	97.1	18.82	18.18
50.3	27.68	27.05	70.4	21.59	20.96	97.7	18.64	18.01
52.3	27.12	26.48	71.5	21.50	20.86	99.0	18.56	17.92

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 40
 TIME = 545(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.75DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.15	26.40	52.8	26.56	25.81	69.8	21.70	20.95
8.3	27.15	26.40	53.4	26.47	25.72	70.2	21.60	20.85
13.1	27.13	26.38	53.7	26.18	25.43	71.3	21.61	20.86
15.0	27.08	26.33	53.8	25.83	25.03	72.6	21.49	20.74
16.8	27.15	26.40	54.2	25.40	24.65	73.9	21.35	20.60
17.7	27.54	26.79	54.5	25.03	24.28	77.4	21.30	20.55
18.8	27.83	27.07	55.1	24.64	23.89	80.2	21.25	20.50
20.9	27.94	27.19	56.0	24.33	23.58	83.9	21.24	20.49
23.7	27.97	27.22	57.0	24.15	23.40	87.4	21.24	20.49
26.4	27.98	27.23	58.4	23.77	23.02	90.3	21.25	20.50
30.3	27.97	27.22	59.5	23.38	22.63	92.8	21.24	20.49
33.7	27.91	27.16	60.3	23.08	22.33	93.6	21.18	20.43
37.4	27.83	27.08	61.2	22.66	21.90	94.1	20.86	20.11
39.4	27.79	27.04	62.2	22.59	21.84	94.8	20.39	19.64
44.3	27.76	27.01	63.0	22.57	21.82	95.0	20.02	19.27
47.7	27.76	27.00	63.9	22.40	21.65	95.0	19.59	18.84
49.4	27.76	27.01	66.1	22.22	21.47	95.2	19.21	18.46
50.6	27.50	26.75	66.7	22.12	21.37	95.8	18.93	18.18
51.4	27.20	26.45	67.7	22.07	21.32	96.9	18.61	17.86
52.0	26.83	26.08	68.5	21.92	21.17	100.7	18.55	17.80
						104.2	18.54	17.79
						107.1	18.55	17.80

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 41
 TIME = 600(CUT)

LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/17/79

LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.58DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.08	26.50	52.5	26.88	26.29	70.8	21.57	20.99
13.8	27.09	26.51	53.4	26.57	25.99	72.9	21.54	20.96
15.1	27.04	26.46	54.2	26.22	25.64	73.2	21.47	20.89
16.9	27.05	26.47	54.6	25.58	25.00	74.3	21.34	20.76
18.1	27.08	26.50	55.0	25.14	24.56	75.6	21.23	20.65
19.3	27.36	26.78	55.5	24.68	24.10	77.2	21.21	20.63
21.0	27.74	27.16	56.8	24.12	23.54	79.8	21.17	20.59
22.4	27.90	27.32	58.5	23.80	23.22	81.3	21.16	20.58
24.0	27.96	27.38	60.3	23.50	22.92	83.2	21.17	20.58
27.8	27.93	27.35	61.3	23.11	22.53	84.7	21.14	20.56
30.2	27.94	27.36	61.7	22.81	22.23	91.7	21.12	20.54
33.1	27.90	27.32	62.7	22.60	22.02	92.8	21.10	20.52
34.8	27.84	27.26	63.4	22.55	21.97	93.2	20.96	20.38
36.9	27.81	27.23	64.0	22.40	21.82	93.6	20.63	20.05
39.8	27.73	27.15	64.6	22.29	21.70	94.2	20.10	19.52
43.0	27.71	27.13	65.5	22.19	21.61	94.5	19.71	19.13
45.4	27.69	27.11	66.3	22.09	21.51	94.8	19.40	18.82
47.6	27.66	27.08	67.1	22.04	21.46	95.2	18.93	18.35
49.1	27.67	27.09	68.5	21.91	21.33	95.5	18.69	18.11
50.2	27.60	27.02	69.2	21.73	21.15	96.4	18.55	17.97
51.6	27.31	26.73	69.6	21.65	21.07	98.3	18.52	17.94

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 42
 TIME = 615(CUT)

LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/17/79

LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.78DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.18	26.40	40.7	27.82	27.04	66.0	22.12	21.35
.7	27.07	26.29	43.4	27.79	27.01	66.5	22.01	21.24
1.7	27.08	26.30	44.7	27.75	26.98	68.0	21.86	21.08
6.2	27.10	26.33	46.4	27.74	26.97	68.9	21.77	20.99
9.6	27.08	26.31	47.9	27.76	26.98	69.8	21.71	20.94
13.3	27.11	26.33	48.3	27.77	26.99	70.6	21.71	20.93
15.7	27.07	26.30	48.9	27.68	26.91	71.3	21.70	20.93
16.6	27.05	26.27	49.9	27.63	26.85	71.6	21.61	20.83
17.9	27.10	26.32	50.7	27.48	26.71	72.2	21.53	20.75
18.5	27.22	26.45	51.6	27.09	26.31	73.2	21.46	20.68
19.3	27.36	26.58	52.7	26.65	25.87	74.5	21.38	20.61
20.2	27.43	26.65	53.4	26.29	25.52	76.1	21.31	20.53
20.7	27.52	26.74	53.5	26.00	25.23	77.3	21.26	20.49
21.7	27.76	26.98	53.8	25.49	24.72	91.1	21.23	20.46
23.4	27.93	27.16	54.3	25.07	24.30	93.0	20.85	20.07
24.9	27.99	27.21	55.2	24.71	23.93	93.3	20.39	19.61
27.2	27.99	27.22	56.3	24.44	23.66	93.7	20.07	19.30
29.2	28.02	27.25	56.8	24.05	23.28	93.8	19.72	18.94
31.8	27.98	27.21	58.5	23.81	23.03	94.0	19.40	18.62
33.2	27.93	27.16	59.6	23.57	22.80	94.2	19.14	18.36
34.1	27.91	27.14	60.6	23.39	22.61	94.4	18.74	17.96
34.3	27.93	27.15	61.4	23.99	22.21	94.8	18.60	17.83
35.0	27.88	27.10	62.5	22.64	21.86	95.6	18.56	17.78
37.3	27.86	27.08	63.5	22.44	21.66	96.8	18.55	17.77
39.3	27.85	27.07	64.8	22.22	21.44	97.4	18.53	17.76

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 43
 TIME = 630 (CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/17/79

LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.07	27.07	50.5	27.55	27.55	72.2	21.66	21.66
1.5	27.07	27.07	51.5	27.42	27.42	72.8	21.54	21.54
6.4	27.08	27.08	52.4	27.05	27.05	73.7	21.46	21.46
11.2	27.06	27.06	52.9	26.87	26.87	74.8	21.32	21.32
14.8	27.07	27.07	53.3	26.60	26.60	76.7	21.25	21.25
16.2	27.04	27.04	54.2	26.38	26.38	77.7	21.23	21.23
17.1	27.02	27.02	54.5	26.04	26.04	77.8	21.28	21.28
17.9	27.04	27.04	403.2	26.25	26.25	78.7	21.25	21.25
19.3	27.31	27.31	56.4	24.62	24.62	80.3	21.24	21.24
20.0	27.53	27.53	57.3	24.39	24.39	81.9	21.21	21.21
20.9	27.74	27.74	58.0	24.20	24.20	83.6	21.21	21.21
21.1	27.81	27.81	58.5	23.91	23.91	85.2	21.21	21.21
22.6	27.93	27.93	59.3	23.79	23.79	87.2	21.20	21.20
25.0	27.99	27.99	60.2	23.62	23.62	88.9	21.21	21.21
27.2	28.00	28.00	61.3	23.39	23.39	93.1	21.06	21.06
28.3	28.00	28.00	62.5	23.12	23.12	93.4	20.71	20.71
30.4	27.97	27.97	62.8	22.90	22.90	93.7	20.40	20.40
33.3	27.86	27.86	64.4	22.58	22.58	94.0	20.05	20.05
35.2	27.84	27.84	65.4	22.32	22.32	94.2	19.75	19.75
38.0	27.81	27.81	66.2	22.17	22.17	94.4	19.48	19.48
41.1	27.78	27.78	68.0	22.10	22.10	94.6	19.18	19.18
44.2	27.77	27.77	68.6	21.96	21.96	94.9	18.75	18.75
46.6	27.76	27.76	69.3	21.79	21.79	95.3	18.58	18.58
48.3	27.73	27.73	70.1	21.75	21.75	96.0	18.55	18.55
49.3	27.67	27.67	71.6	21.71	21.71	97.2	18.50	18.50
						98.4	18.46	18.46

NODC COUNTRY CODE = 81
 NODC SHIP CODE = RU
 XBT NUMBER = 44
 TIME = 6.45(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.98	26.98	35.9	27.75	27.75	68.6	22.04	22.04
1.3	26.99	26.99	38.0	27.70	27.70	69.5	22.02	22.02
3.4	27.00	27.00	49.7	27.67	27.67	70.2	21.91	21.91
4.3	26.99	26.99	51.5	27.66	27.66	70.7	21.78	21.78
5.2	26.97	26.97	52.0	27.52	27.52	71.4	21.65	21.65
5.6	27.06	27.06	53.1	27.29	27.29	73.2	21.63	21.63
5.8	27.01	27.01	54.9	26.49	26.49	74.2	21.61	21.61
7.0	26.98	26.98	55.5	26.11	26.11	75.2	21.55	21.55
10.1	26.97	26.97	55.7	25.70	25.70	75.7	21.44	21.44
13.4	26.96	26.96	56.0	25.30	25.30	76.6	21.40	21.40
15.3	26.96	26.96	56.5	25.02	25.02	77.3	21.33	21.33
17.1	27.00	27.00	57.0	24.72	24.72	78.9	21.18	21.18
18.4	27.13	27.13	58.1	24.56	24.56	82.4	21.12	21.12
19.3	27.36	27.36	58.3	24.47	24.47	86.4	21.14	21.14
19.7	27.56	27.56	58.4	24.29	24.29	89.9	21.12	21.12
20.2	27.73	27.73	59.8	23.88	23.88	93.1	21.14	21.14
21.5	27.80	27.80	61.1	23.68	23.68	93.5	21.12	21.12
23.2	27.84	27.84	62.1	23.54	23.54	94.0	21.06	21.06
24.4	27.91	27.91	62.3	23.31	23.31	94.2	20.80	20.80
25.4	27.94	27.94	63.3	23.14	23.14	94.6	20.36	20.36
27.2	27.95	27.95	63.4	22.93	22.93	95.1	19.78	19.78
28.7	27.95	27.95	64.5	22.56	22.56	95.7	19.18	19.18
29.7	27.94	27.94	65.1	22.49	22.49	95.7	18.67	18.67
31.3	27.86	27.86	65.6	22.41	22.41	96.5	18.52	18.52
32.5	27.82	27.82	66.0	22.28	22.28	97.9	18.48	18.48
34.4	27.81	27.81	66.5	22.15	22.15	98.8	18.46	18.46
						99.6	18.45	18.45

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 45
 TIME = 658(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.10DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.88DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.98	26.10	51.4	27.60	26.72	70.0	21.96	21.08
11.8	26.95	26.08	52.0	27.53	26.65	70.5	21.87	20.99
12.2	26.99	26.11	52.5	27.47	26.59	70.7	21.79	20.91
13.0	26.96	26.08	53.1	27.40	26.52	71.3	21.75	20.87
16.9	26.97	26.09	54.2	26.97	26.09	71.7	21.71	20.83
17.8	27.03	26.20	55.0	26.51	25.63	72.6	21.66	20.78
18.5	27.23	26.35	56.0	25.77	24.69	73.2	21.56	20.68
19.0	27.43	26.56	57.1	24.88	24.00	74.2	21.43	20.55
19.6	27.62	26.74	57.7	24.67	23.79	75.4	21.35	20.47
20.2	27.72	26.84	58.2	24.57	23.69	76.8	21.26	20.39
21.0	27.79	26.91	58.8	24.43	23.55	78.0	21.23	20.35
22.4	27.88	27.00	58.8	24.09	23.22	78.9	21.18	20.30
24.8	27.91	27.04	59.2	23.92	23.04	81.4	21.13	20.25
28.3	27.89	27.01	60.0	23.83	22.95	90.1	21.13	20.25
29.9	27.89	27.01	60.6	23.74	22.86	93.6	21.05	20.17
31.8	27.86	26.98	61.7	23.59	22.71	93.9	20.97	20.09
35.6	27.80	26.92	62.3	23.46	22.58	94.0	20.64	19.76
39.0	27.75	26.87	62.5	23.22	22.34	94.5	20.18	19.30
41.2	27.74	26.86	63.6	23.04	22.16	94.6	19.74	18.86
42.8	27.73	26.85	64.2	22.84	21.96	95.1	19.29	18.41
43.3	27.70	26.83	64.8	22.64	21.76	95.2	18.80	17.92
44.0	27.65	26.77	65.9	22.44	21.56	96.1	18.57	17.69
45.3	27.64	26.76	67.1	22.26	21.38	96.9	18.46	17.58
47.9	27.64	26.76	68.1	22.08	21.20	97.9	18.45	17.57
50.4	27.60	26.73	69.3	22.05	21.17	99.0	18.44	17.56

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 46
 TIME = 715(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.30DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.54DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.84	26.80	29.4	27.87	27.33	62.9	23.08	22.54
1.5	26.90	26.86	31.8	27.83	27.29	63.3	22.83	22.29
3.5	26.92	26.88	34.2	27.81	27.26	63.9	22.61	22.07
5.4	26.91	26.86	36.6	27.78	27.24	66.0	22.30	21.76
9.6	26.89	26.85	38.6	27.75	27.21	67.4	22.17	21.63
11.1	26.88	26.84	41.4	27.72	27.17	68.3	22.11	21.56
12.6	26.88	26.84	46.7	27.68	27.13	69.3	22.05	21.51
13.6	26.94	26.89	49.0	27.66	27.12	69.9	21.92	21.38
14.0	26.88	26.84	50.9	27.65	27.10	70.8	21.78	21.24
14.4	26.92	26.88	52.0	27.55	27.01	72.3	21.61	21.06
15.0	26.89	26.85	53.1	27.40	26.85	74.2	21.43	20.89
15.5	26.93	26.88	53.9	27.05	26.51	76.1	21.32	20.78
15.7	26.88	26.84	54.2	26.80	26.26	77.9	21.24	20.70
16.5	26.96	26.41	54.9	26.37	25.82	80.7	21.17	20.62
17.5	27.10	26.56	55.6	25.97	25.43	85.7	21.18	20.63
18.4	27.37	26.83	56.1	25.49	24.94	89.6	21.17	20.62
19.3	27.68	27.13	56.5	25.09	24.55	91.8	21.14	20.59
19.9	27.79	27.25	57.2	24.60	24.06	92.8	21.14	20.60
20.7	27.81	27.26	57.5	24.35	23.81	93.4	20.89	20.35
21.7	27.84	27.30	58.1	23.96	23.41	93.8	20.51	19.97
23.1	27.92	27.38	58.9	23.90	23.36	94.1	19.99	19.45
25.2	27.95	27.40	59.5	23.74	23.20	94.5	19.56	19.01
26.7	27.93	27.39	61.1	23.59	23.05	94.8	19.19	18.65
28.0	27.94	27.39	61.9	23.52	22.97	94.9	18.63	18.14
28.4	27.98	27.44	62.5	23.46	22.92	95.2	18.50	17.96
28.9	27.85	27.31	62.8	23.34	22.80	95.9	18.44	17.89
						98.2	18.40	17.86
						98.7	18.41	17.87

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 47
 TIME = 735(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.34DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.74	26.40	45.2	27.64	27.30	70.3	21.93	21.59
3.3	26.68	26.54	50.3	27.62	27.28	71.4	21.78	21.44
4.9	26.69	26.55	53.1	27.59	27.24	72.2	21.68	21.33
8.1	26.69	26.54	53.1	27.49	27.14	73.5	21.54	21.19
12.1	26.88	26.54	54.0	27.62	26.98	73.7	21.45	21.10
15.2	26.90	26.55	54.8	26.94	26.60	74.7	21.34	20.99
17.6	26.91	26.57	56.3	26.02	25.67	77.1	21.28	20.94
18.7	26.96	26.62	56.3	25.56	25.22	79.1	21.21	20.87
19.6	27.07	26.72	57.3	25.19	24.85	80.6	21.17	20.82
20.2	27.23	26.89	57.4	24.92	24.53	82.0	21.14	20.80
21.5	27.59	27.24	58.7	24.41	24.07	86.1	21.10	20.76
23.1	27.84	27.50	59.2	24.10	23.76	90.0	21.08	20.74
24.9	27.92	27.57	59.5	23.66	23.52	93.2	21.07	20.73
26.6	27.95	27.60	60.3	23.73	23.44	94.9	21.03	20.68
29.6	27.69	27.55	61.6	23.66	23.31	95.0	20.85	20.51
31.5	27.83	27.48	62.4	23.54	23.20	95.3	20.50	20.16
32.4	27.81	27.47	62.9	23.28	22.93	95.8	20.15	19.81
34.2	27.80	27.46	63.3	22.95	22.60	95.9	19.80	19.45
36.2	27.76	27.42	65.0	22.71	22.36	96.5	19.28	18.93
37.7	27.72	27.38	65.6	22.56	22.22	96.6	18.73	18.39
39.8	27.69	27.34	66.7	22.38	22.04	98.4	18.41	18.06
42.1	27.65	27.31	67.6	22.20	21.85	99.0	18.37	18.02

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 48
 TIME = 744(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.30DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.48DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.78	26.30	44.4	27.67	27.19	71.3	22.08	21.60
3.3	26.64	26.36	48.3	27.64	27.16	71.9	21.93	21.45
5.8	26.63	26.35	50.2	27.65	27.17	72.8	21.74	21.26
8.2	26.83	26.35	52.2	27.60	27.12	73.9	21.59	21.11
13.5	26.83	26.35	53.7	27.55	27.07	74.5	21.57	21.09
16.1	26.85	26.37	54.5	27.39	26.91	74.5	21.47	20.98
17.6	26.90	26.42	55.3	27.07	26.59	75.7	21.44	20.96
19.1	27.03	26.60	56.2	26.57	26.09	77.0	21.36	20.88
20.0	27.27	26.79	57.7	25.46	24.98	79.1	21.28	20.80
21.0	27.47	26.99	58.1	25.10	24.61	80.8	21.22	20.74
22.1	27.68	27.20	59.0	24.74	24.26	81.1	21.15	20.66
23.2	27.73	27.30	59.7	24.27	23.79	94.3	21.12	20.64
24.5	27.68	27.40	60.3	24.00	23.52	95.6	21.09	20.61
26.2	27.95	27.47	61.0	23.88	23.40	96.0	20.89	20.41
28.1	27.93	27.45	61.9	23.74	23.26	96.4	20.58	20.09
30.5	27.85	27.37	62.3	23.62	23.14	96.7	20.17	19.69
33.4	27.80	27.32	63.3	23.56	23.08	97.1	19.57	19.08
33.9	27.83	27.35	63.7	23.39	22.91	97.3	19.08	18.60
34.1	27.79	27.30	63.9	23.11	22.63	97.5	18.88	18.39
35.3	27.79	27.31	65.0	22.70	22.22	97.8	18.61	18.13
37.8	27.77	27.28	66.8	22.49	22.01	97.9	18.49	18.01
38.2	27.84	27.35	67.3	22.41	21.93	98.5	18.44	17.96
38.6	27.75	27.27	68.9	22.26	21.77	99.8	18.41	17.93
42.2	27.71	27.23	70.1	22.10	21.61	100.7	18.38	17.89

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 49
 TIME = 803(CUT)
 LATITUDE = 27DEG. 54.70MIN. N.
 BUCKET TEMPERATURE = 26.10DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/17/79
 LONGITUDE = 93DEG. 38.40MIN. W.
 SURF. TEMP. DIFF. = -.67DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.77	26.10	32.0	28.35	27.69	63.8	24.33	23.66
2.7	26.82	26.15	33.7	28.29	27.62	64.7	23.70	23.03
4.1	26.83	26.16	37.1	28.25	27.58	65.6	23.13	22.46
5.6	26.82	26.15	38.8	28.23	27.56	66.8	22.96	22.29
7.7	26.82	26.15	39.4	28.29	27.62	67.6	22.81	22.14
9.4	26.84	26.17	39.8	28.57	27.90	68.0	22.64	21.97
10.6	26.82	26.15	40.4	28.41	27.74	69.3	22.43	21.76
11.7	26.84	26.17	42.0	28.35	27.68	72.3	22.24	21.57
12.7	26.94	26.27	42.4	28.25	27.58	74.4	21.97	21.30
13.3	27.12	26.45	45.1	28.18	27.51	76.2	21.83	21.16
14.2	27.17	26.50	46.8	28.14	27.47	79.3	21.66	20.99
14.5	27.34	26.67	47.3	28.23	27.57	81.3	21.62	20.95
14.7	27.60	26.93	47.8	28.13	27.46	83.8	21.57	20.90
14.9	27.71	27.04	49.1	28.08	27.41	86.7	21.49	20.82
15.2	27.58	26.91	52.2	28.04	27.38	92.1	21.47	20.80
15.3	27.74	27.07	54.2	28.01	27.35	92.6	21.43	20.76
16.2	27.60	26.93	55.3	27.95	27.28	92.8	21.12	20.45
17.2	27.81	27.14	56.1	27.76	27.10	93.1	20.73	20.06
18.3	27.73	27.07	57.1	27.55	26.88	93.4	20.30	19.64
19.1	27.77	27.10	57.6	27.13	26.51	93.9	19.79	19.12
21.2	27.85	27.18	58.5	26.59	25.92	94.3	19.35	18.68
22.1	28.03	27.36	59.5	25.93	25.26	94.8	18.97	18.30
23.4	28.24	27.57	61.3	25.13	24.46	95.8	18.93	18.26
24.3	28.44	27.77	62.1	24.72	24.06	97.6	18.73	18.07
31.2	28.42	27.75	62.6	24.43	23.76	99.2	18.74	18.07
						100.2	18.73	18.06
						100.8	18.63	17.96

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 50
 TIME = 1045(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 26.90DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/18/79
 LONGITUDE = 93DEG. 38.40MIN.W.
 SURF. TEMP. DIFF. = -.16DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.06	26.90	44.6	27.78	27.63	76.2	19.88	19.73
2.3	27.02	26.86	45.9	27.72	27.57	76.9	19.52	19.36
7.1	27.05	26.90	47.6	27.77	27.61	77.8	19.32	19.16
11.7	27.02	26.86	51.2	27.77	27.61	79.2	19.23	19.08
15.3	27.03	26.87	53.7	27.76	27.60	81.3	18.99	18.84
17.1	27.05	26.90	56.2	27.72	27.56	83.4	18.93	18.78
18.4	27.24	27.08	57.4	27.64	27.48	85.0	18.88	18.73
19.2	27.42	27.26	58.9	27.48	27.32	86.3	18.80	18.65
20.0	27.61	27.46	60.0	27.23	27.08	88.2	18.76	18.61
20.4	27.70	27.54	61.6	26.43	26.27	89.4	18.77	18.62
22.3	27.72	27.56	61.9	25.97	25.81	90.2	18.67	18.51
25.2	27.75	27.60	62.3	25.52	25.36	91.1	18.54	18.39
28.0	27.74	27.58	62.5	25.05	24.89	92.6	18.54	18.38
28.8	27.76	27.60	62.9	24.63	24.48	93.4	18.49	18.33
30.1	27.74	27.59	64.2	24.31	24.15	94.9	18.26	18.11
31.2	27.75	27.59	65.6	23.73	23.58	96.5	18.14	17.98
32.4	27.82	27.66	68.1	22.93	22.77	97.4	17.99	17.84
33.7	27.92	27.76	69.3	22.48	22.32	98.3	17.76	17.60
35.4	27.92	27.76	70.8	22.06	21.90	102.3	17.56	17.40
37.1	27.86	27.70	71.5	21.94	21.78	104.0	17.42	17.26
38.4	27.81	27.65	72.4	21.51	21.36	105.0	17.31	17.16
40.6	27.83	27.67	74.1	20.89	20.73	106.4	17.29	17.13
43.0	27.80	27.65	75.4	20.28	20.12	107.0	17.28	17.12

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 51
 TIME = 1430(CUT)
 LATITUDE = 27DEG. 53.50MIN.N.
 BUCKET TEMPERATURE = 27.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/18/79
 LONGITUDE = 93DEG. 47.80MIN.W.
 SURF. TEMP. DIFF. = -.27DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.27	27.00	52.2	26.46	26.19	77.2	21.44	21.17
20.7	27.23	26.95	52.9	26.01	25.74	78.2	21.37	21.10
24.5	27.24	26.97	53.6	25.50	25.23	79.2	21.25	20.98
25.8	27.30	27.03	54.3	25.00	24.73	80.0	21.10	20.82
28.1	27.41	27.14	56.0	24.46	24.19	80.5	21.01	20.74
28.7	27.53	27.26	57.0	24.17	23.90	81.0	20.91	20.64
31.0	27.57	27.30	57.9	23.68	23.41	81.8	20.84	20.57
34.0	27.60	27.32	59.1	23.21	22.94	82.5	20.79	20.52
35.6	27.65	27.38	60.0	22.99	22.72	83.3	20.71	20.44
37.5	27.61	27.34	61.1	22.94	22.67	83.9	20.41	20.14
39.4	27.58	27.30	62.4	22.92	22.65	84.2	20.10	19.83
40.6	27.63	27.36	64.7	22.85	22.58	84.7	19.76	19.49
41.8	27.73	27.46	65.6	22.69	22.42	85.2	19.44	19.17
42.8	27.65	27.38	67.2	22.11	21.84	86.0	19.28	19.01
43.7	27.60	27.33	67.8	21.96	21.69	87.3	19.21	18.94
46.4	27.66	27.39	69.2	21.55	21.58	89.0	19.14	18.87
48.3	27.65	27.38	70.8	21.62	21.35	90.5	19.10	18.83
49.7	27.51	27.24	72.5	21.53	21.25	91.1	19.02	18.75
51.2	27.08	26.81	75.1	21.48	21.21	92.3	18.95	18.67

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 52
 TIME = 1610(CUT)
 LATITUDE = 27DEG. 53.50MIN.N.
 BUCKET TEMPERATURE = 26.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79

DATE = 10/18/79
 LONGITUDE = 93DEG. 47.60MIN.W.
 SURF. TEMP. DIFF. = -.37DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.17	26.80	35.5	27.88	27.51	64.1	22.54	22.17
2.0	27.21	26.84	36.8	27.91	27.54	65.2	22.29	21.92
3.5	27.26	26.89	37.8	27.95	27.59	68.8	22.03	21.66
5.0	27.24	26.88	39.0	27.92	27.55	71.8	21.83	21.46
7.3	27.23	26.86	41.2	27.87	27.50	74.8	21.66	21.29
8.5	27.26	26.90	43.0	27.82	27.45	76.9	21.56	21.19
9.9	27.29	26.92	44.6	27.77	27.41	78.8	21.43	21.06
11.6	27.29	26.92	46.5	27.78	27.41	80.0	21.36	21.00
13.8	27.33	26.97	47.4	27.62	27.26	80.5	21.22	20.86
15.3	27.39	27.02	48.7	27.32	26.95	82.3	21.17	20.80
17.8	27.38	27.01	49.7	27.08	26.72	83.1	21.10	20.74
19.5	27.48	27.11	51.0	26.74	26.37	83.9	20.90	20.53
21.6	27.61	27.25	51.6	25.99	25.62	84.6	20.62	20.25
22.8	27.67	27.30	52.0	25.43	25.07	84.7	20.30	19.93
24.1	27.75	27.38	52.8	24.97	24.60	85.3	20.01	19.65
25.2	27.75	27.38	53.8	24.57	24.20	85.6	19.72	19.35
26.3	27.77	27.40	54.8	24.11	23.74	86.6	19.40	19.03
27.3	27.85	27.49	56.2	23.82	23.45	88.3	19.25	18.88
28.6	27.92	27.55	58.7	23.47	23.10	90.4	19.16	18.79
30.6	27.98	27.62	60.6	23.09	22.73	93.1	19.13	18.76
33.6	27.93	27.56	62.4	22.77	22.40	94.9	19.13	18.76

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 53
 TIME = 1710(CUT)
 LATITUDE = 27DEG. 53.40MIN. N.
 BUCKET TEMPERATURE = 26.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/18/79
 LONGITUDE = 93DEG. 47.70MIN. W.
 SURF. TEMP. DIFF. = -.68DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.18	26.50	52.5	25.47	24.79	77.2	21.38	20.70
13.9	27.17	26.49	52.9	25.32	24.64	78.6	21.36	20.68
16.0	27.21	26.53	54.0	24.91	24.23	79.3	21.32	20.64
16.7	27.27	26.59	54.4	24.65	23.96	80.0	21.26	20.58
17.6	27.29	26.61	54.6	24.53	23.85	81.3	21.10	20.42
17.9	27.45	26.77	55.5	24.38	23.70	82.0	21.08	20.40
18.2	27.36	26.68	56.6	24.19	23.51	82.7	20.98	20.30
19.6	27.38	26.70	57.5	23.90	23.22	83.1	20.88	20.20
22.6	27.42	26.74	58.0	23.66	22.98	83.5	20.80	20.12
24.8	27.46	26.78	58.6	23.41	22.73	84.0	20.72	20.04
27.0	27.57	26.89	59.2	23.21	22.53	85.1	20.68	20.00
29.3	27.68	27.00	60.2	23.09	22.41	85.9	20.67	19.99
30.6	27.74	27.06	61.5	22.99	22.31	86.1	20.57	19.89
31.3	27.78	27.10	62.3	22.94	22.26	86.6	20.42	19.74
33.1	27.80	27.12	62.7	22.68	22.00	87.1	20.16	19.48
35.6	27.78	27.10	63.0	22.43	21.75	87.3	19.90	19.22
37.5	27.79	27.11	64.2	22.38	21.70	87.7	19.72	19.04
38.7	27.87	27.19	65.5	22.17	21.49	88.3	19.64	18.96
40.8	27.86	27.18	66.4	22.02	21.34	88.9	19.61	18.93
43.0	27.82	27.14	67.2	21.92	21.24	89.4	19.56	18.88
44.7	27.81	27.13	68.4	21.90	21.22	90.2	19.39	18.71
46.6	27.81	27.13	69.4	21.87	21.19	90.7	19.24	18.56
47.1	27.79	27.11	70.3	21.84	21.16	91.4	19.16	18.48
48.1	27.66	26.98	71.0	21.78	21.10	92.9	19.16	18.48
49.0	27.45	26.77	71.7	21.69	21.01	94.6	19.18	18.50
49.9	27.20	26.52	72.4	21.64	20.96	96.1	19.15	18.47
51.1	26.90	26.22	73.5	21.58	20.90	97.7	19.10	18.42
51.6	26.53	25.84	74.3	21.53	20.85	98.7	19.09	18.41
51.8	26.08	25.40	75.0	21.43	20.75	99.9	19.06	18.38
52.1	25.78	25.10	76.0	21.41	20.73	100.5	18.99	18.31

NODC COUNTRY CODE = 31
 NODC SHIP CODE = RU
 XBT NUMBER = 54
 TIME = 855(CUT)
 LATITUDE = 27DEG. 53.70MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = RS-10-79
 DATE = 10/18/79
 LONGITUDE = 93DEG. 49.90MIN.W.
 SURF. TEMP. DIFF. = -.41DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.81	26.40	39.9	27.69	27.28	67.2	21.82	21.41
1.1	26.80	26.39	40.7	27.72	27.31	67.9	21.65	21.25
2.9	26.77	26.36	41.7	27.69	27.28	70.0	21.54	21.14
4.0	26.80	26.40	42.4	27.64	27.23	71.5	21.42	21.01
4.3	26.83	26.42	43.0	27.62	27.21	72.5	21.28	20.87
4.6	26.82	26.41	44.1	27.61	27.21	73.5	21.11	20.70
5.3	26.84	26.44	45.1	27.60	27.19	75.0	20.98	20.58
5.7	26.90	26.50	45.7	27.62	27.22	77.4	20.86	20.45
6.2	26.96	26.55	46.3	27.70	27.29	78.8	20.77	20.36
7.2	26.98	26.57	47.1	27.70	27.29	79.7	20.72	20.31
8.1	26.99	26.59	48.2	27.68	27.27	80.4	20.66	20.25
9.1	27.01	26.60	49.1	27.62	27.21	80.7	20.58	20.17
9.9	26.99	26.58	49.6	27.51	27.10	81.1	20.51	20.10
10.4	27.04	26.64	50.9	27.37	26.97	81.6	20.49	20.08
10.8	27.14	26.73	51.9	27.22	26.82	82.7	20.48	20.07
17.2	27.13	26.72	52.7	27.02	26.61	83.2	20.44	20.04
17.9	27.23	26.82	53.0	26.82	26.41	83.7	20.37	19.96
18.4	27.40	27.00	53.4	26.69	26.29	84.6	20.32	19.91
19.0	27.56	27.16	53.9	26.60	26.20	85.5	20.29	19.88
19.4	27.63	27.22	54.4	26.43	26.03	86.7	20.32	19.92
20.1	27.60	27.19	55.1	26.10	25.69	87.5	20.34	19.94
20.9	27.59	27.18	55.4	25.52	25.11	88.0	20.41	20.00
21.4	27.61	27.21	56.0	25.17	24.76	89.3	20.47	20.06
22.4	27.66	27.25	57.1	24.58	24.17	91.4	20.42	20.02
28.0	27.64	27.23	58.1	24.14	23.74	92.1	20.38	19.97
29.1	27.70	27.30	59.0	23.79	23.38	92.9	20.33	19.92
30.5	27.79	27.39	59.7	23.57	23.16	94.2	20.30	19.89
32.7	27.88	27.47	60.3	23.27	22.86	95.1	20.25	19.84
33.6	27.91	27.50	60.6	23.01	22.61	96.6	19.94	19.53
34.6	27.94	27.53	61.3	22.78	22.37	97.2	19.73	19.33
36.0	27.94	27.54	63.4	22.50	22.10	97.6	19.61	19.20
37.1	27.95	27.54	64.1	22.36	21.95	98.2	19.43	19.02
39.1	27.66	27.25	65.3	22.17	21.77	98.5	19.25	18.84
39.5	27.62	27.21	66.6	21.99	21.58	99.1	19.24	18.83

CRUISE 80-BS-1 (BALTIC SEAL, 12-27 Oct 80)

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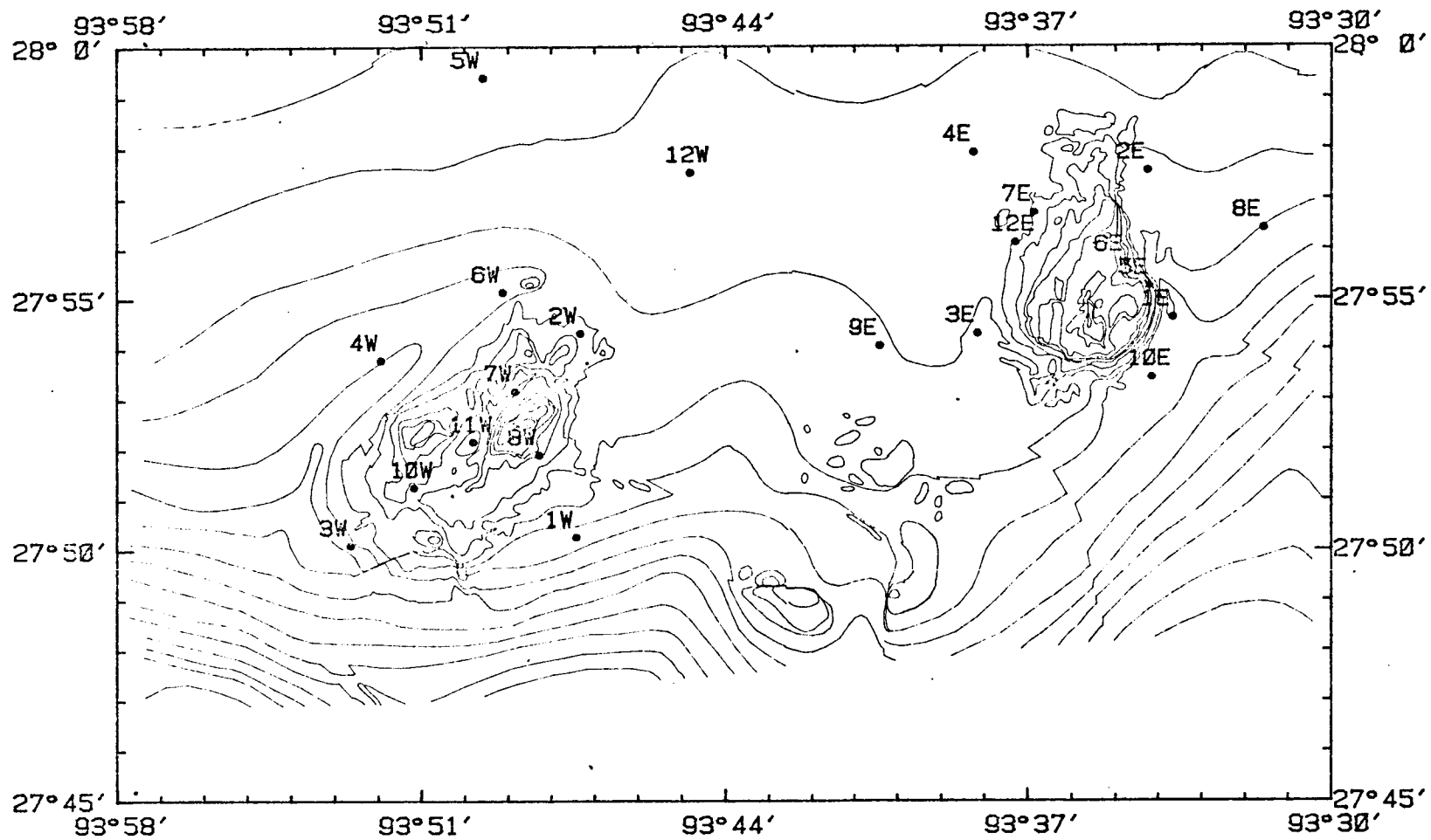
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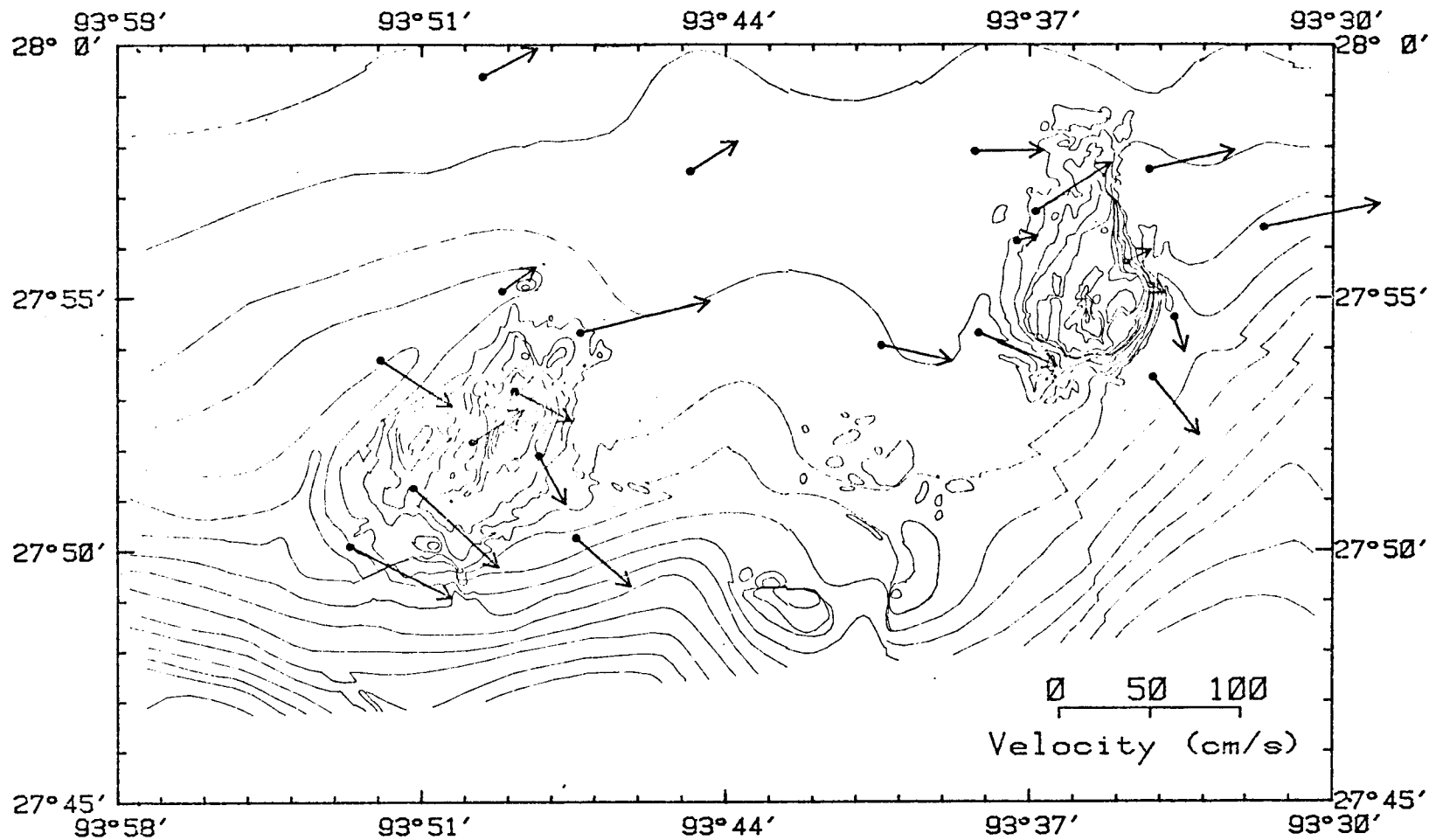
Cruise: 80-B5-1

Station Names

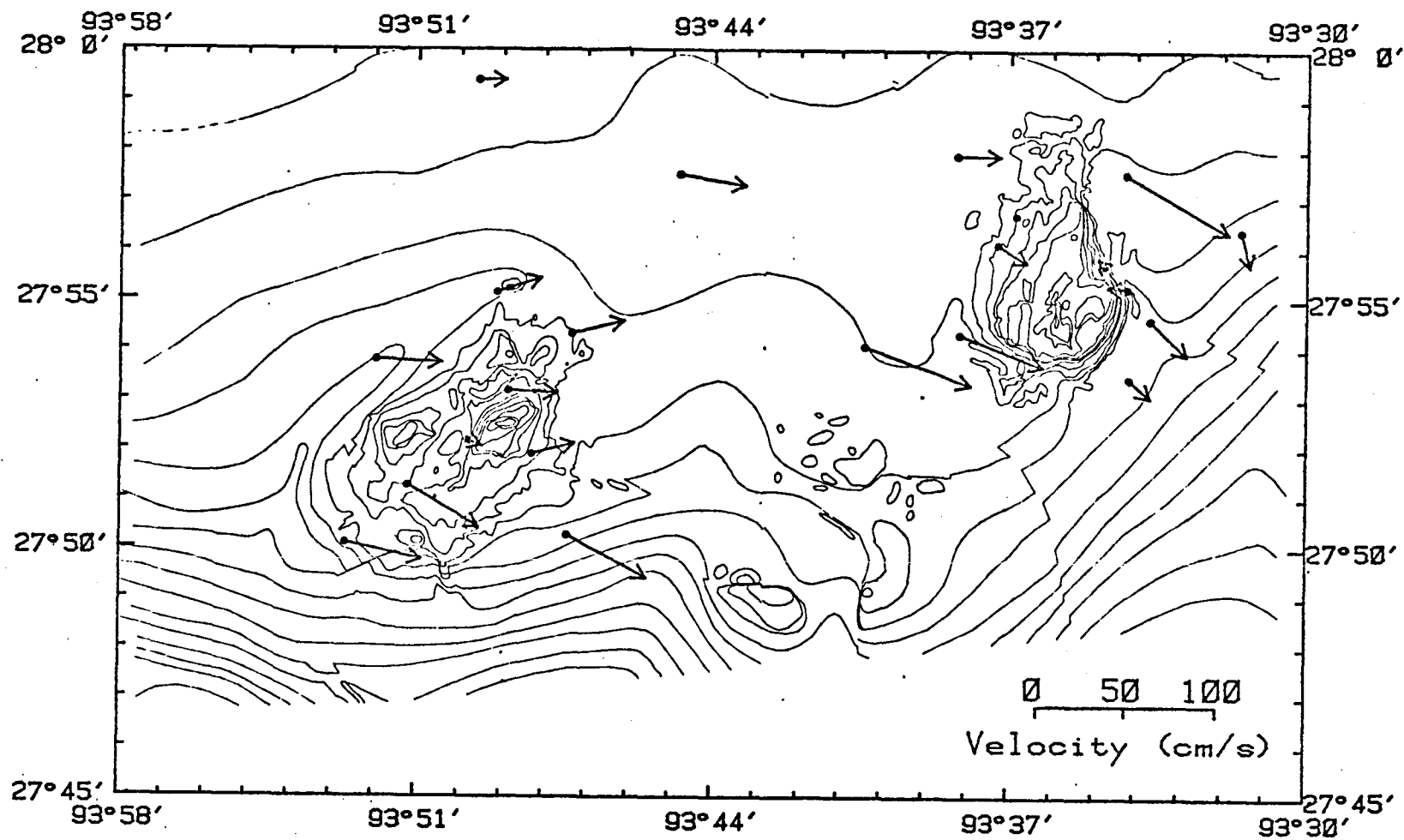
East and West Flower Garden Banks



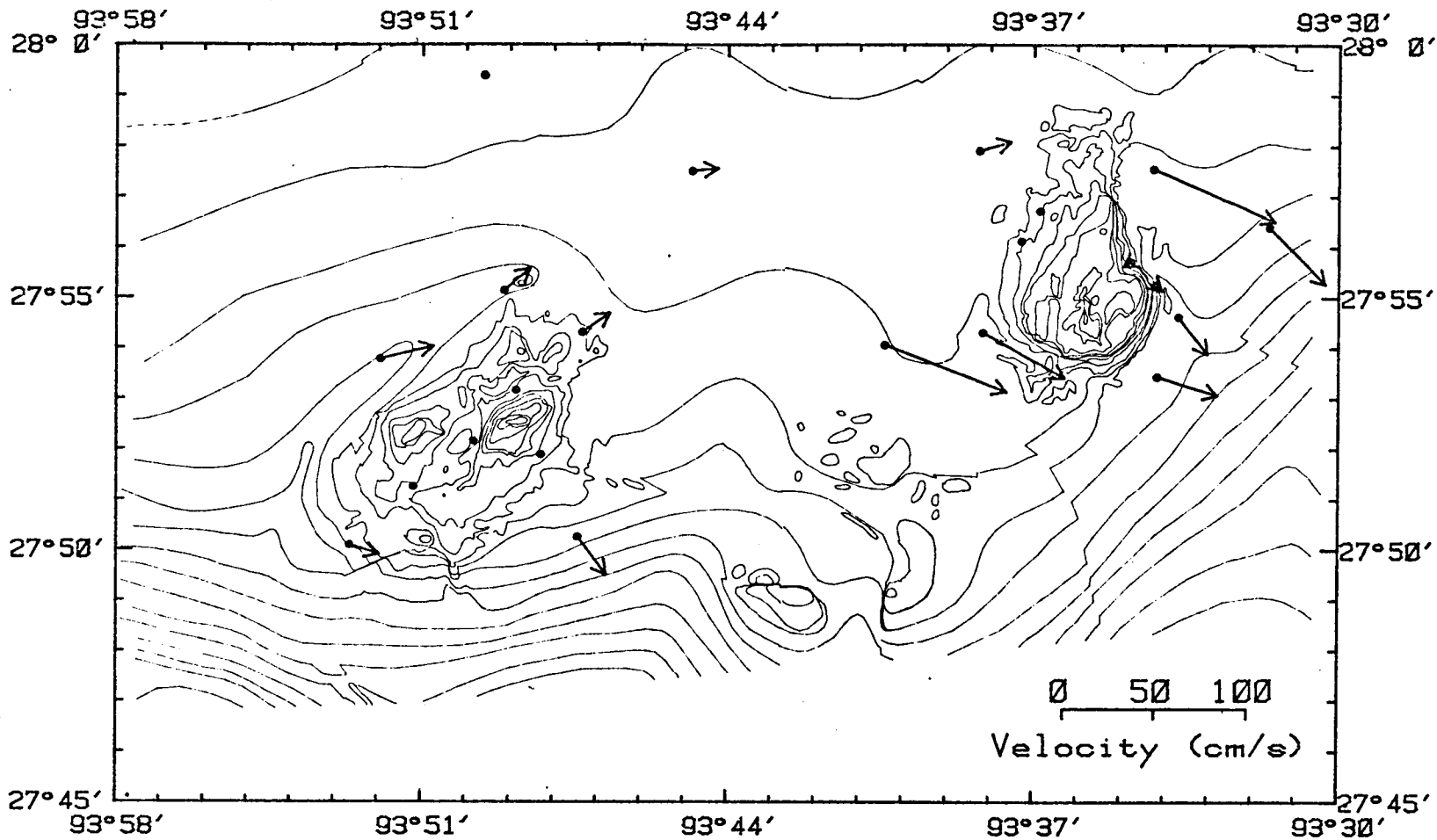
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Velocity Vectors at 5 m Depth
East and West Flower Garden Banks



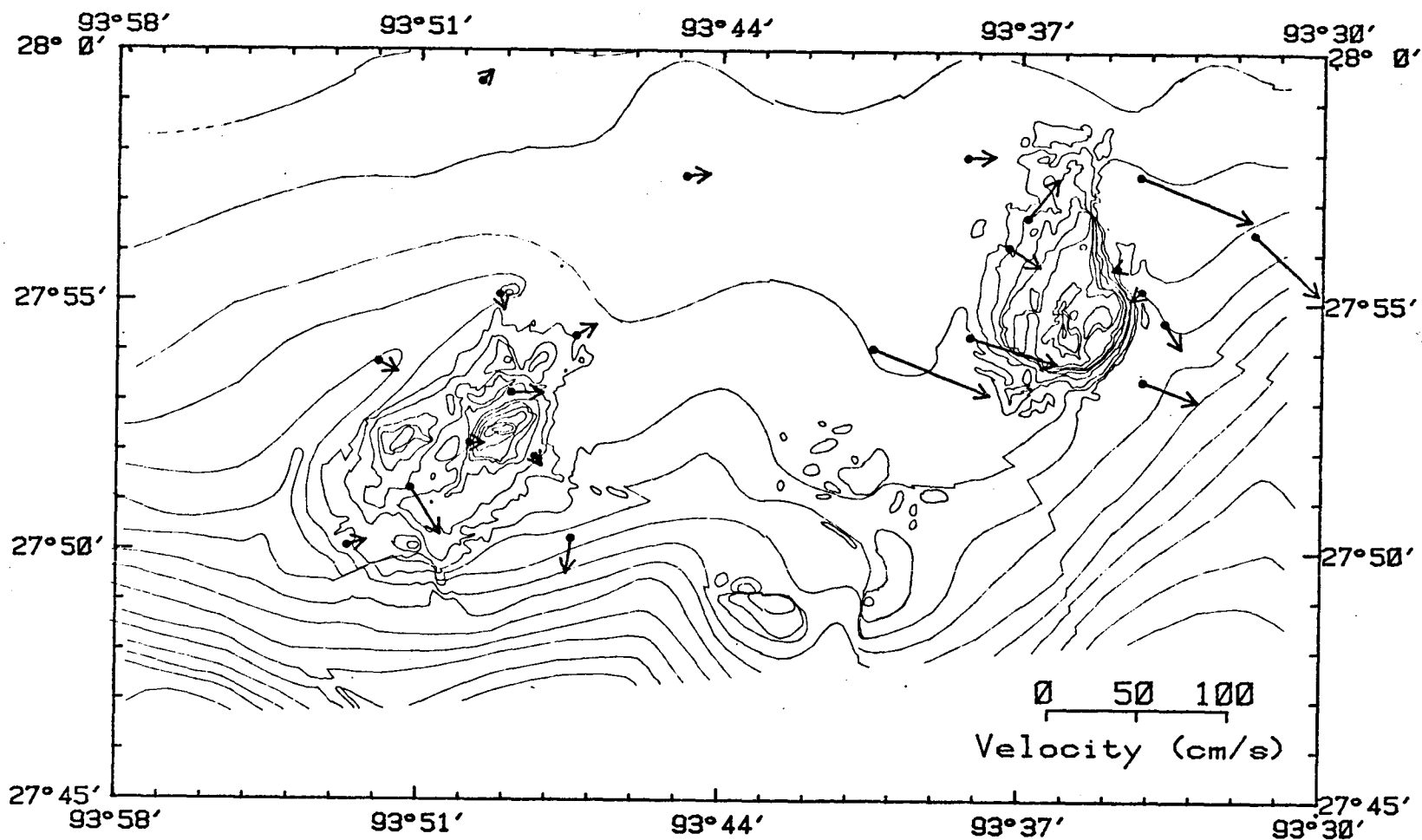
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Velocity Vectors at 70 m Depth
East and West Flower Garden Banks



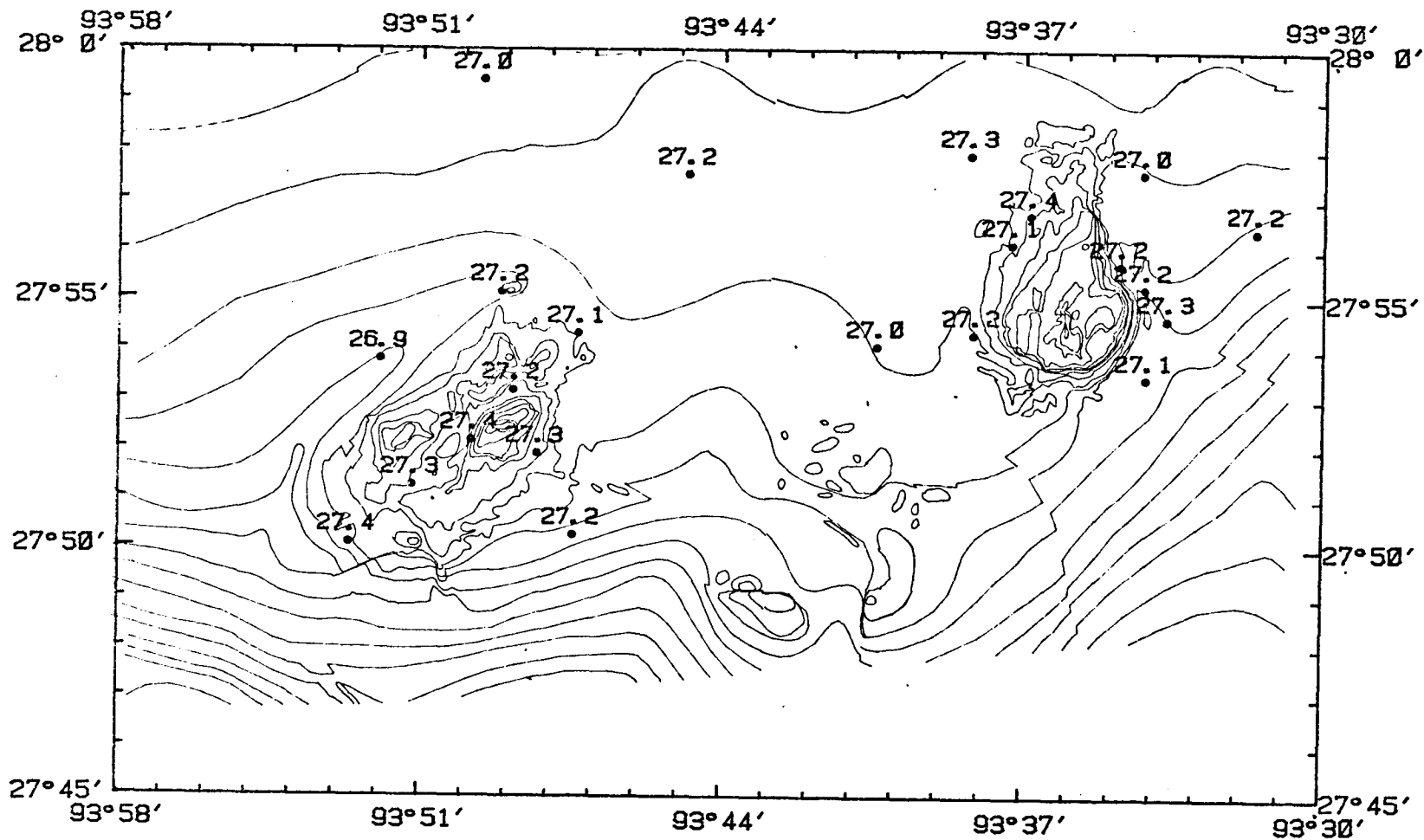
Cruise: 80-BS-1
Velocity Vectors at 90 m Depth
East and West Flower Garden Banks



Cruise: 80-BS-1
Velocity Vectors at 1 m From Bottom
East and West Flower Garden Banks



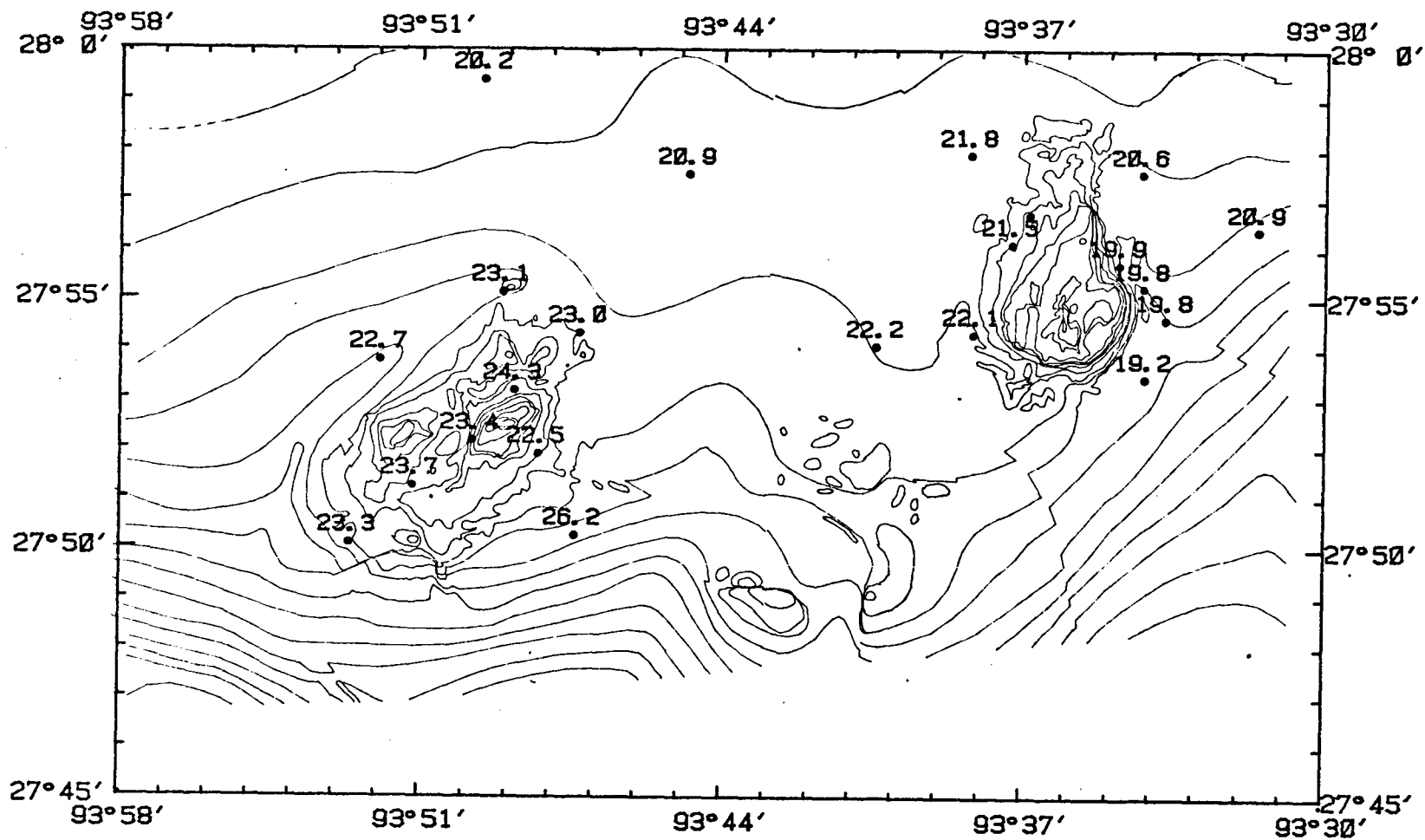
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Temperature (deg. C) at 5 m Depth
East and West Flower Garden Banks



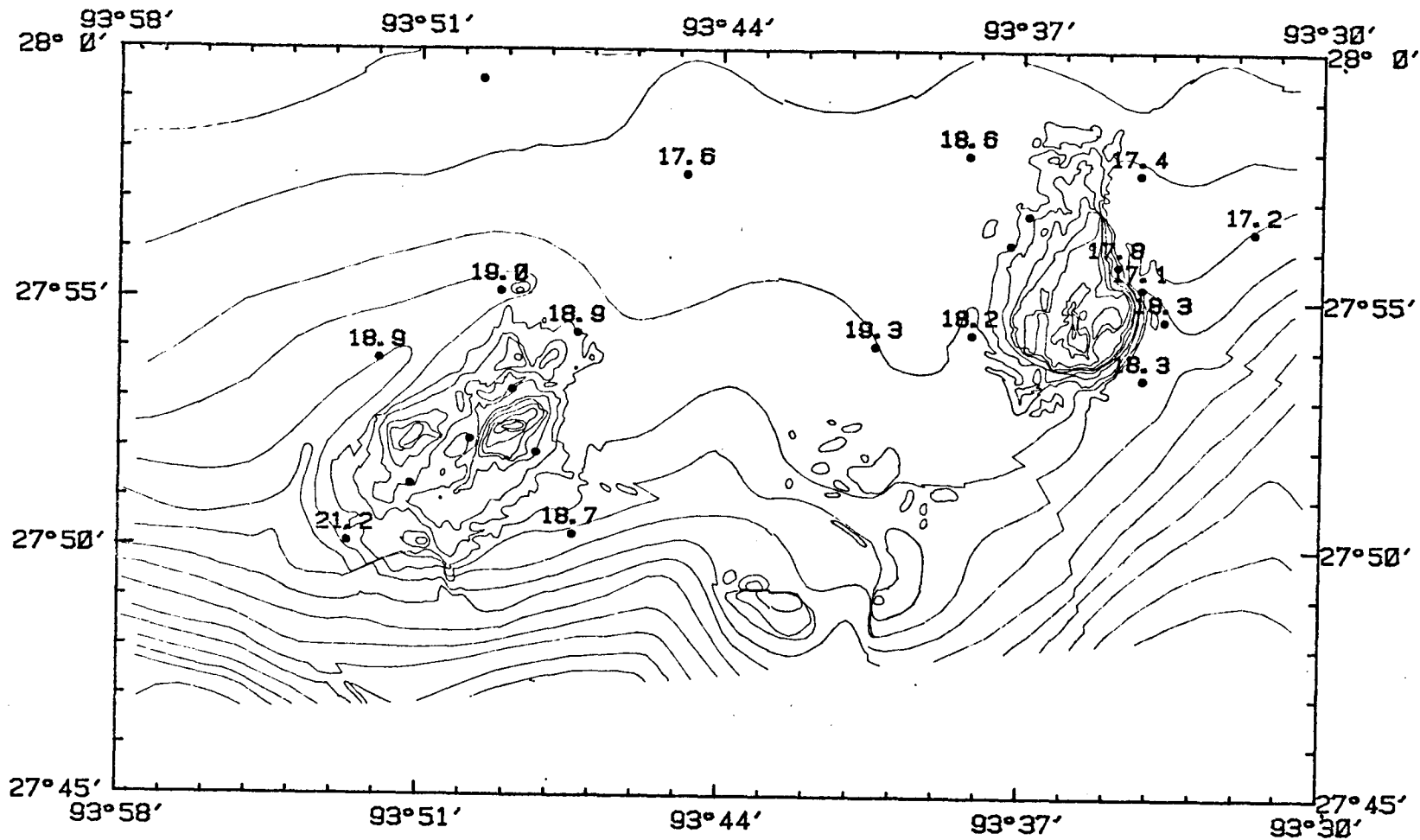
Cruise: 80-BS-1

Temperature (deg. C) at 70 m Depth

East and West Flower Garden Banks



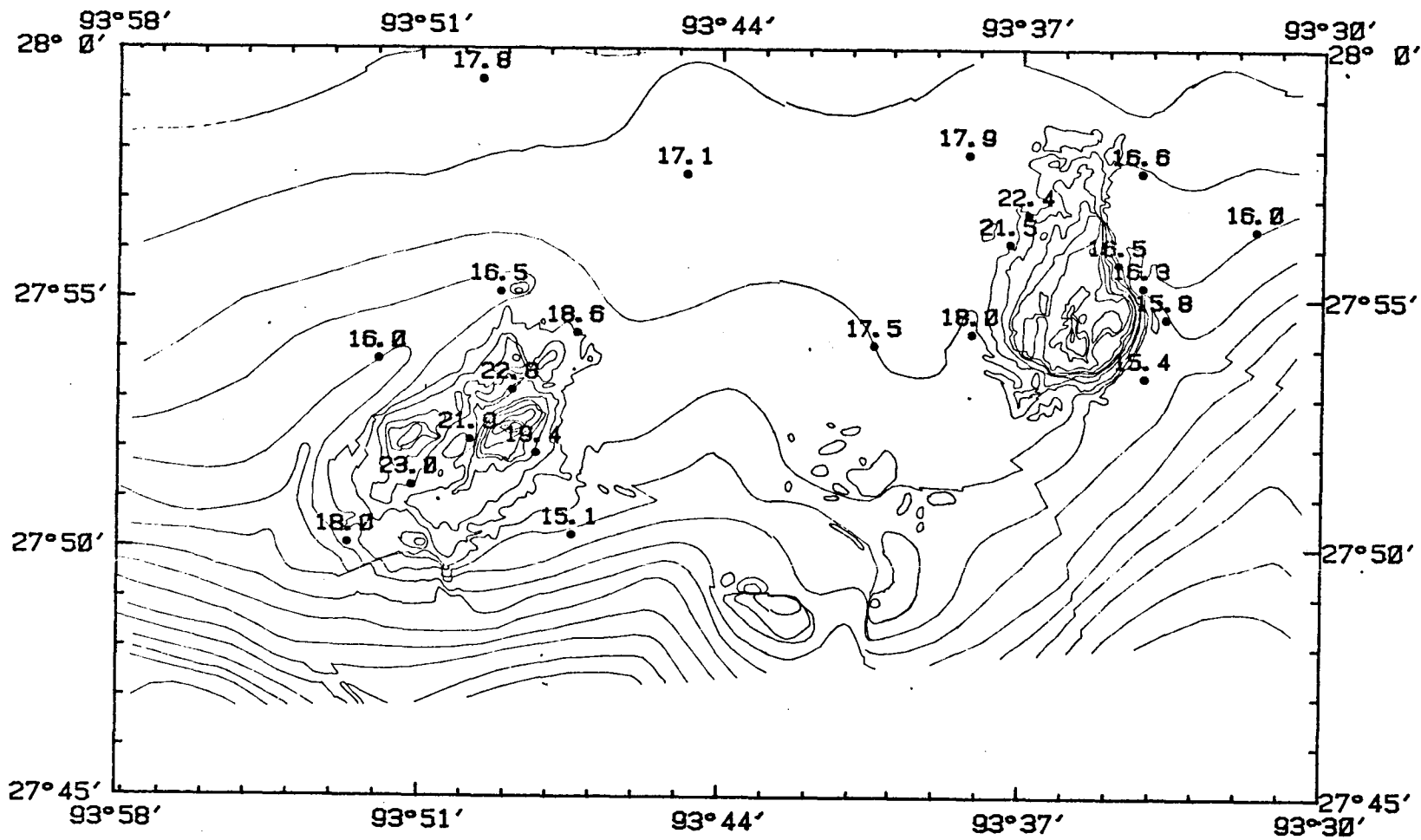
Cruise: 80-BS-1
Temperature (deg. C) at 90 m Depth
East and West Flower Garden Banks



Cruise: 80-BS-1

Temperature (deg. C) at 0 m From Bottom

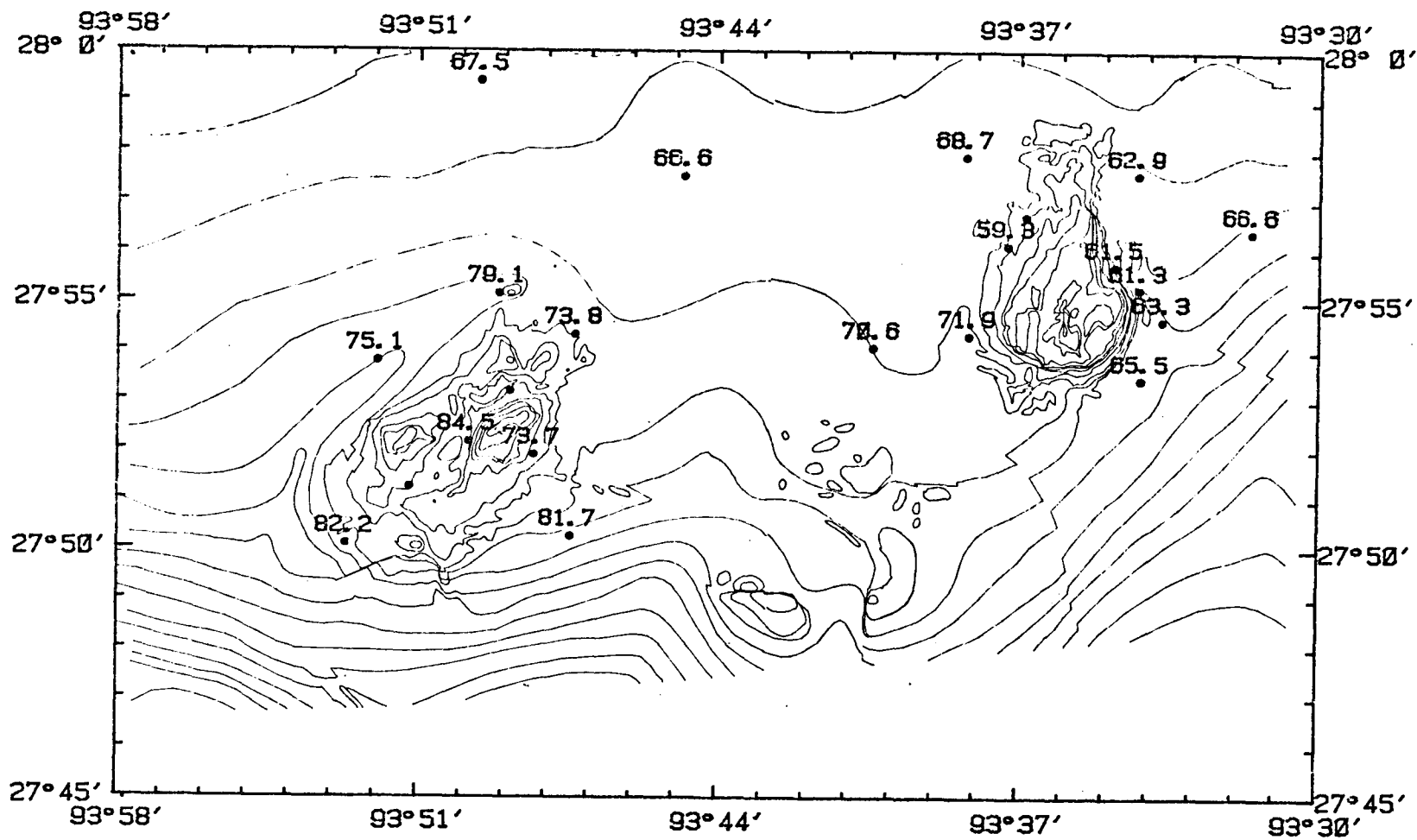
East and West Flower Garden Banks



Cruise: 80-BS-1

Depth (m) Where Temperature (deg C) = 22.0

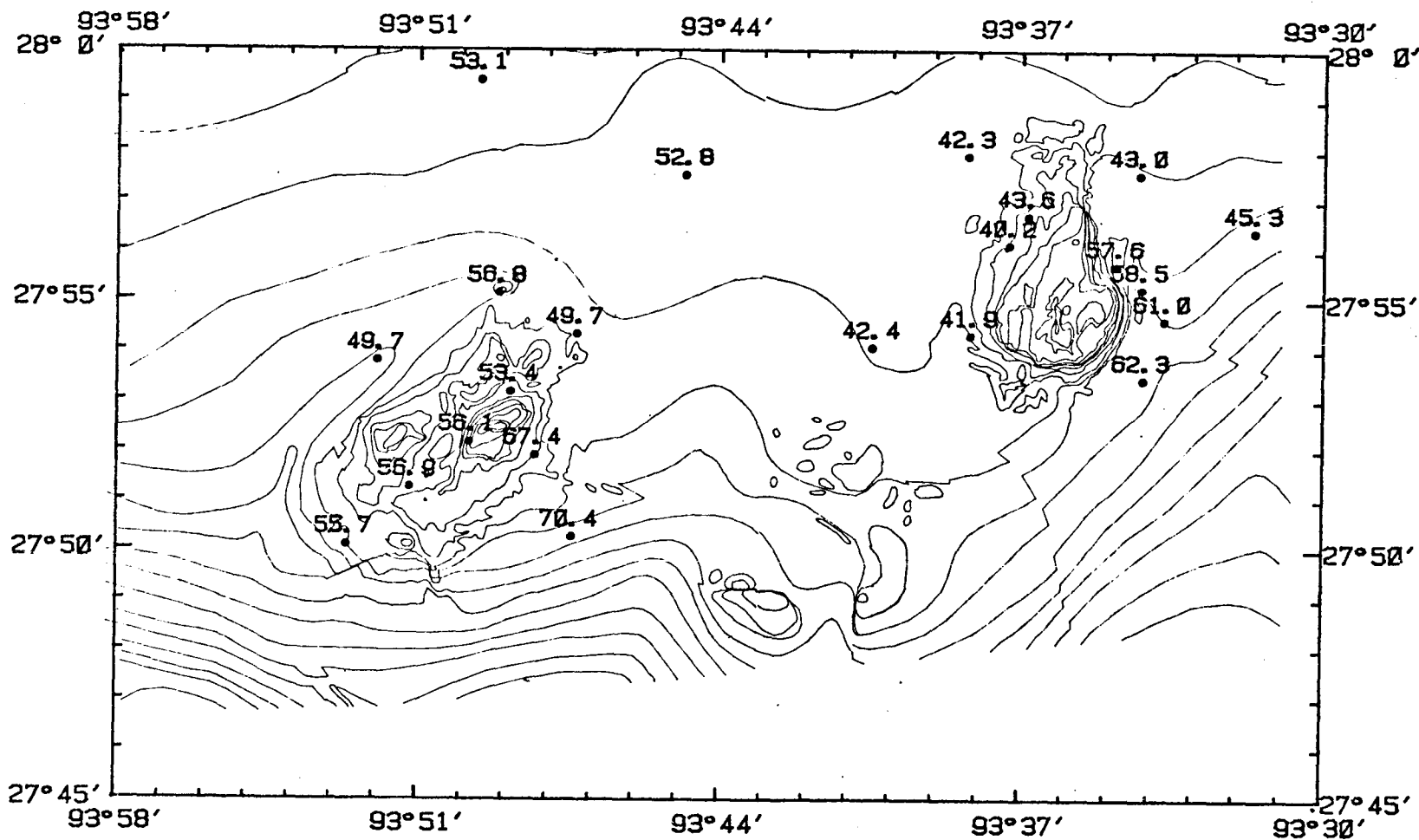
East and West Flower Garden Banks



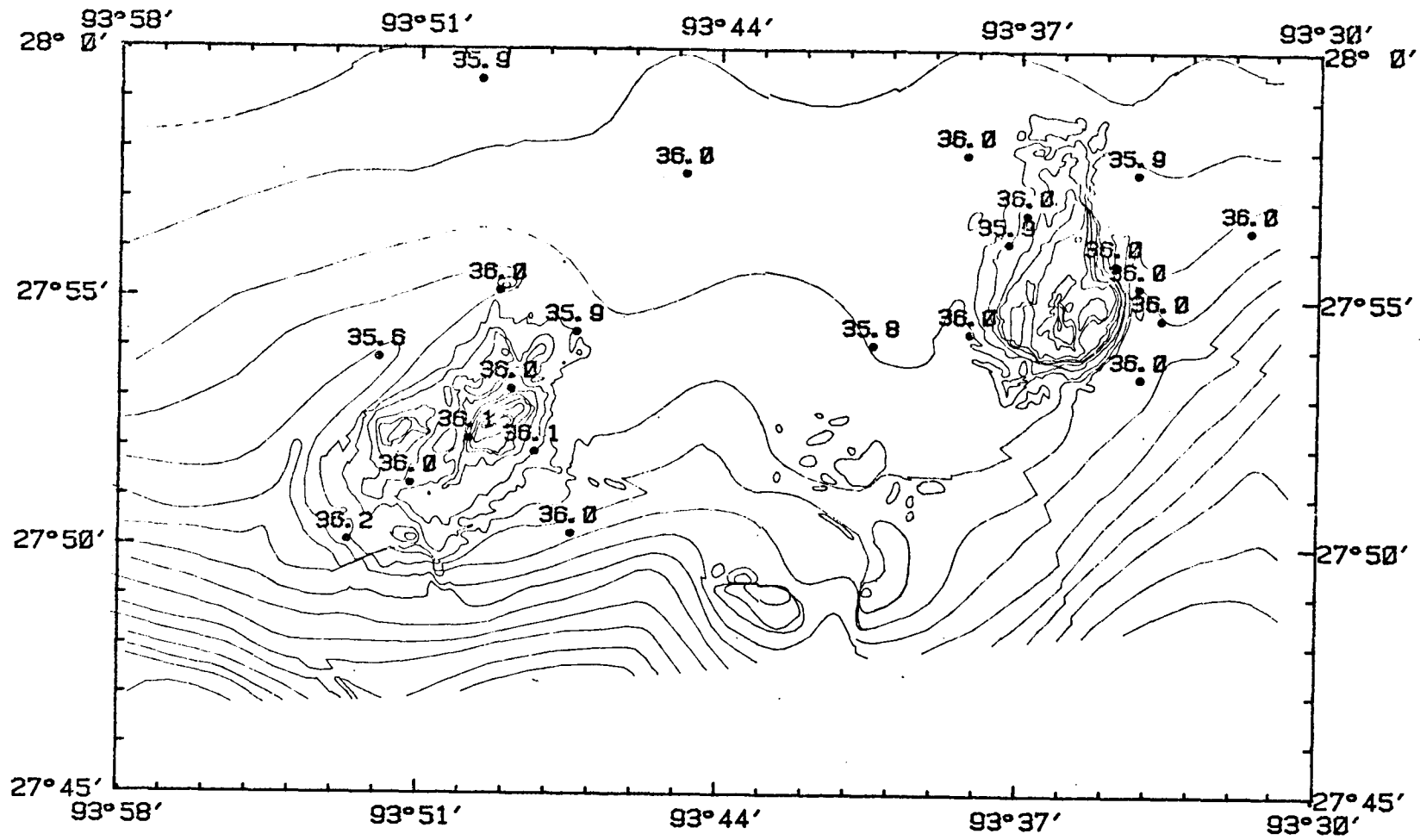
Cruise: 80-BS-1

Depth (m) Where Temperature (deg C) = 26.0

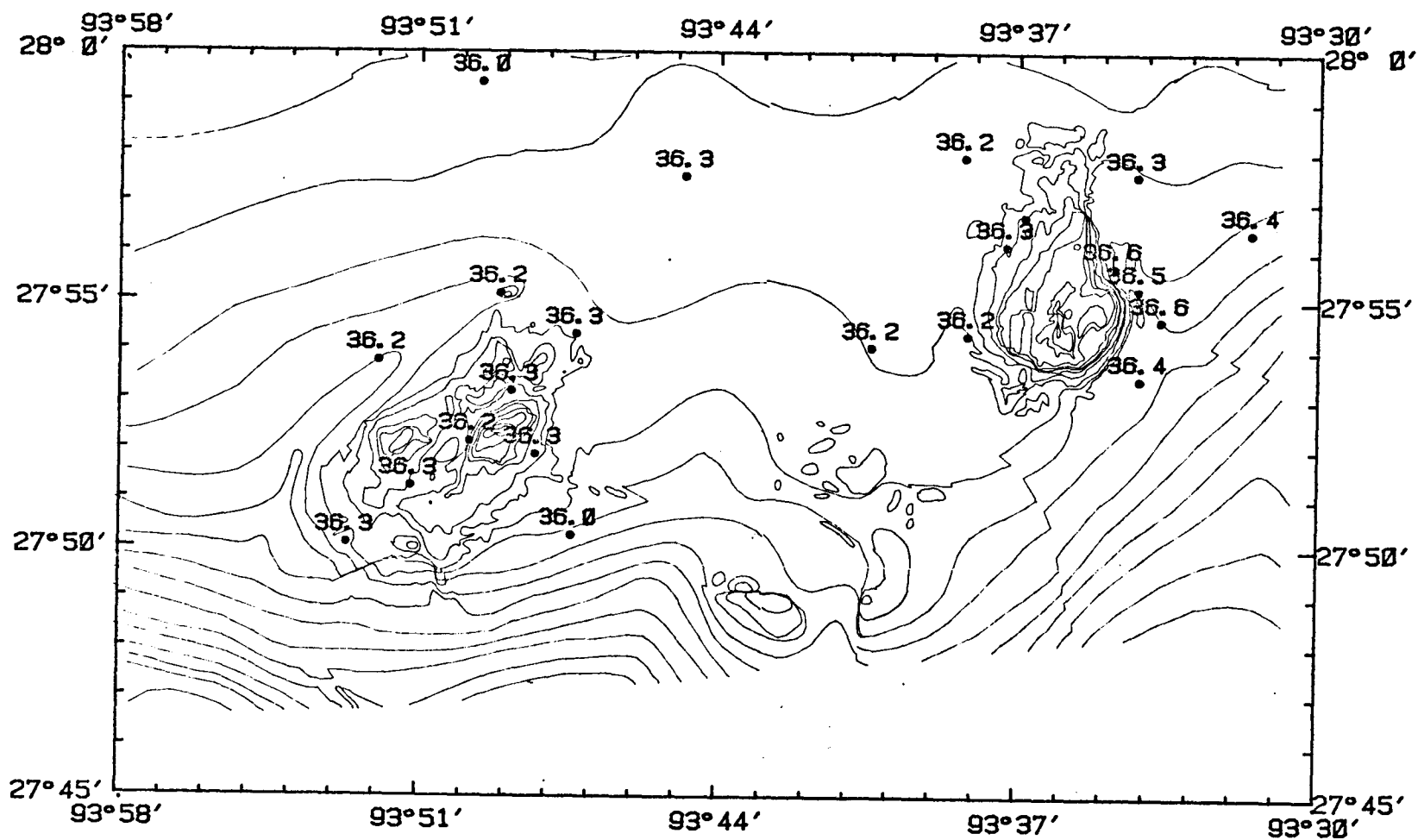
East and West Flower Garden Banks



Cruise: 80-BS-1
Salinity (ppt) at 5 m Depth
East and West Flower Garden Banks



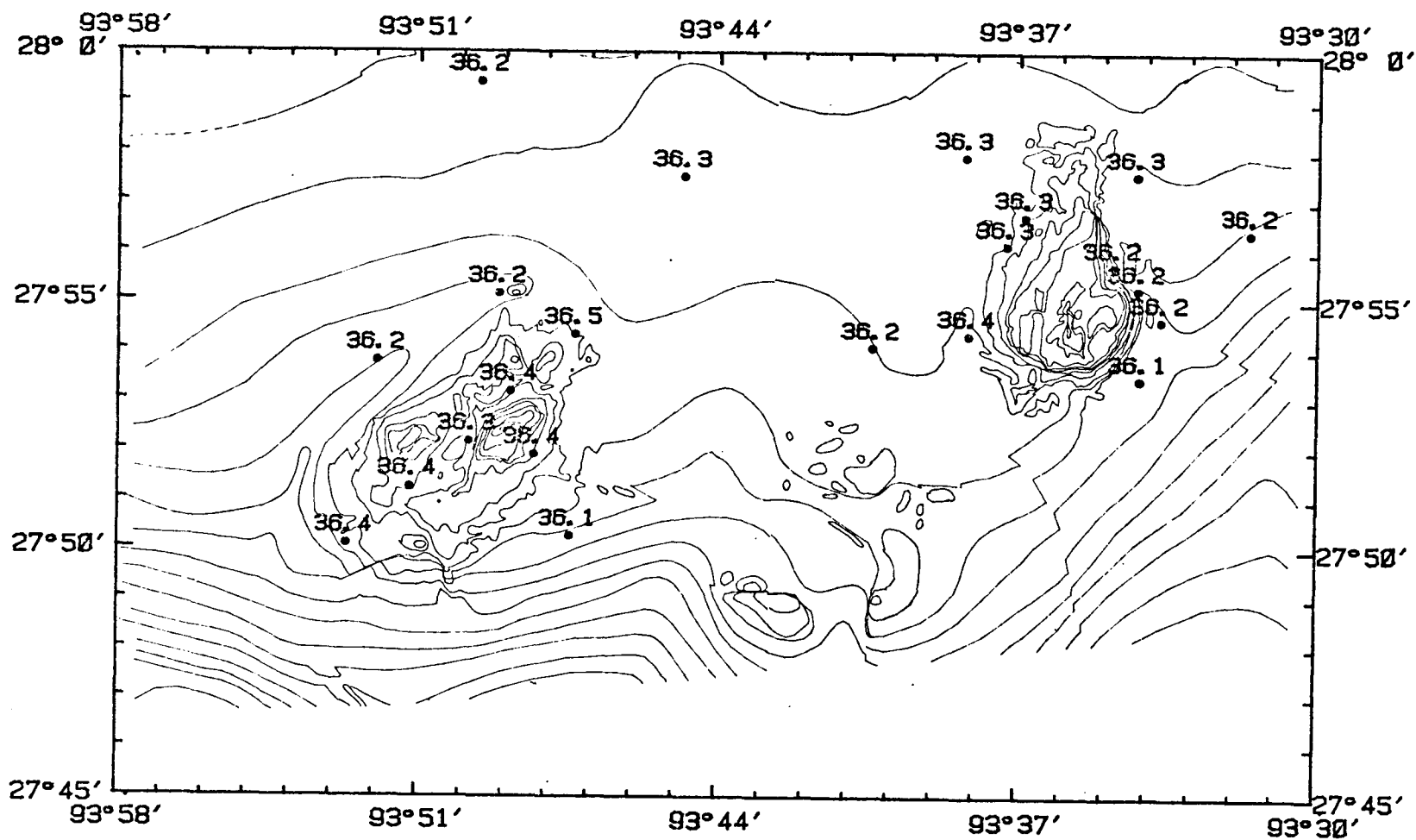
Cruise: 80-BS-1
Salinity (ppt) at 70 m Depth
East and West Flower Garden Banks



Cruise: 80-B5-1

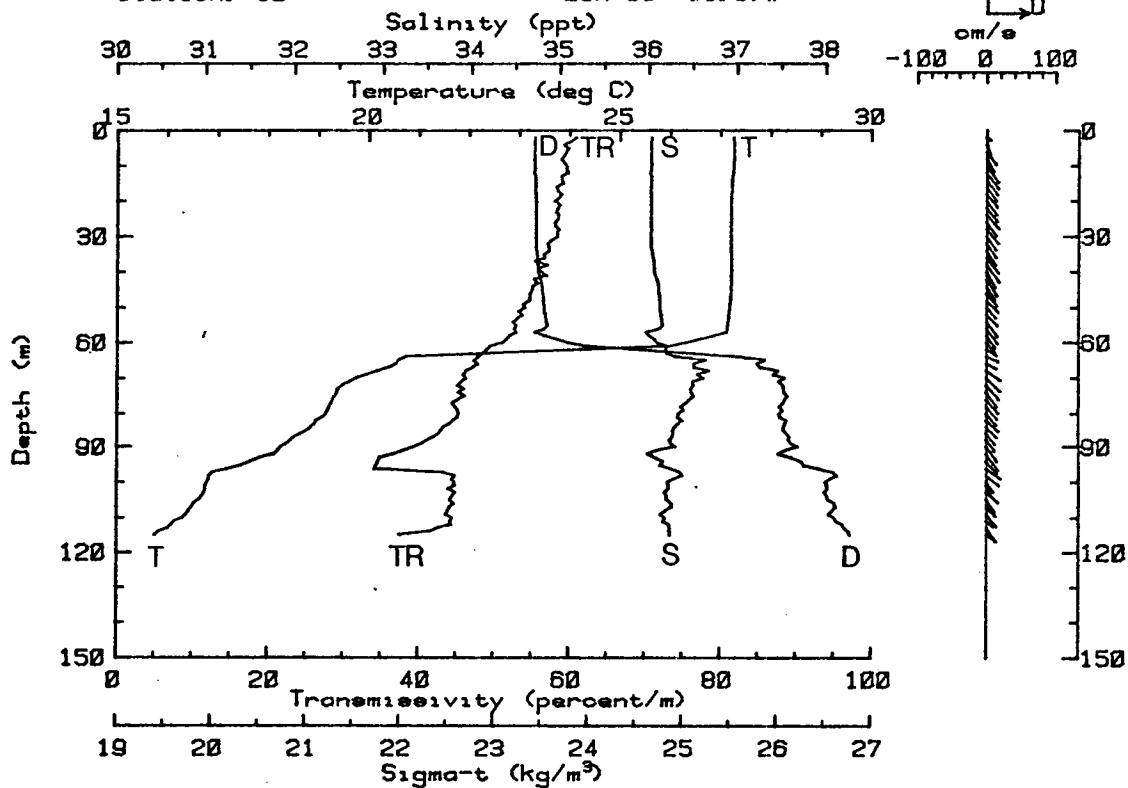
Salinity (ppt) at 1 m From Bottom

East and West Flower Garden Banks



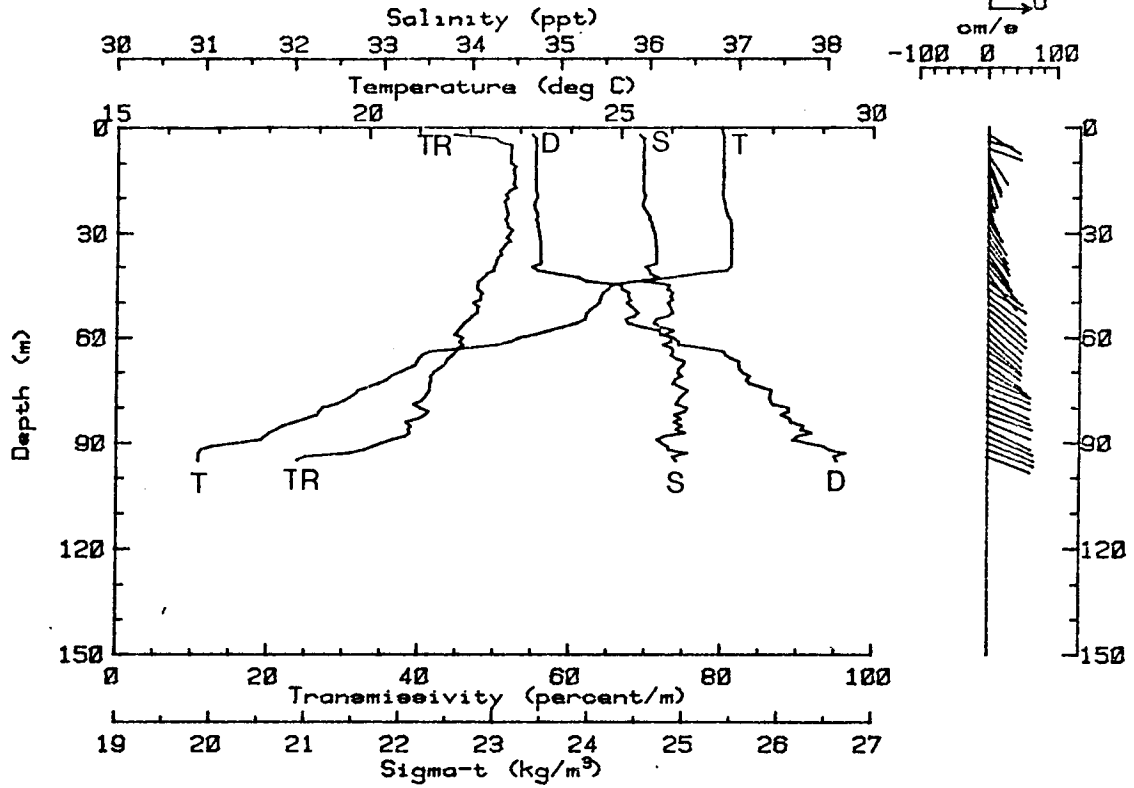
Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Station: 1E

Year Day Hr Min
 1980: 298: 7 : 51
 LAT 27 54.62N
 LON 93 33.67W



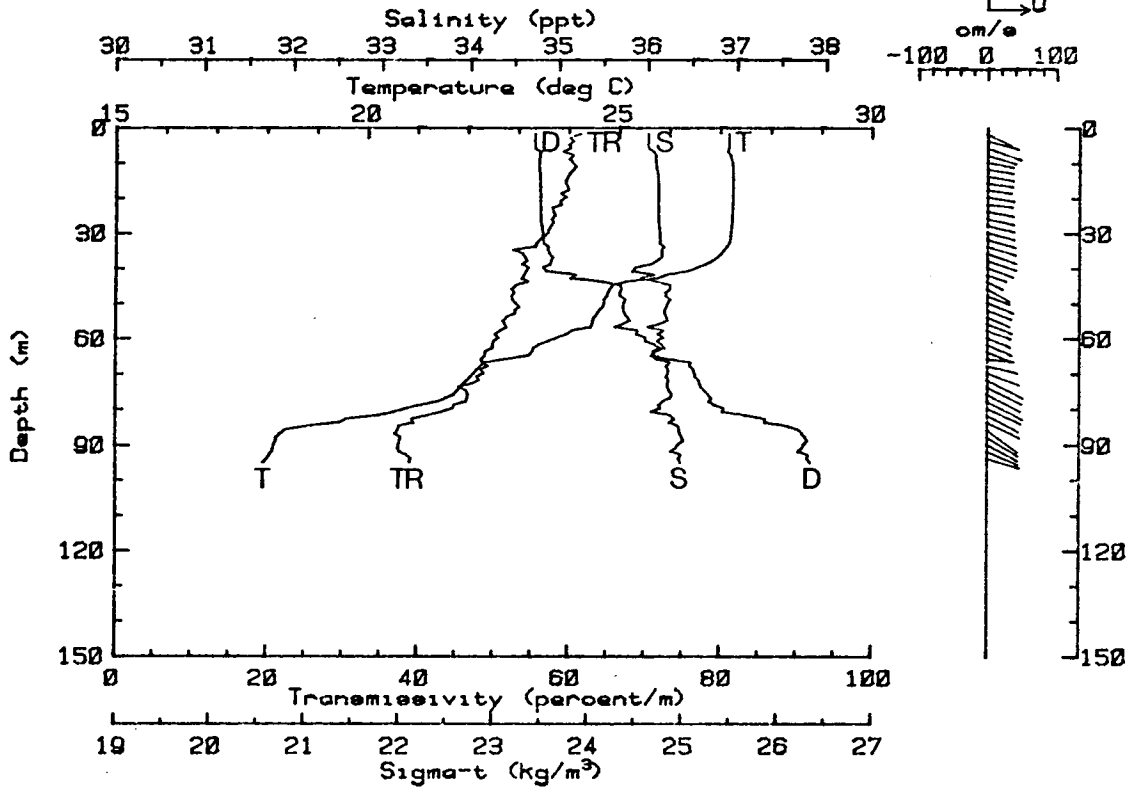
Cruise: 80-B5-1
 Ship: BALTIC SEAL
 Stations: 2E

Year Day Hr Min
 1980: 298: 19: 2
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 LON 93 34.25W



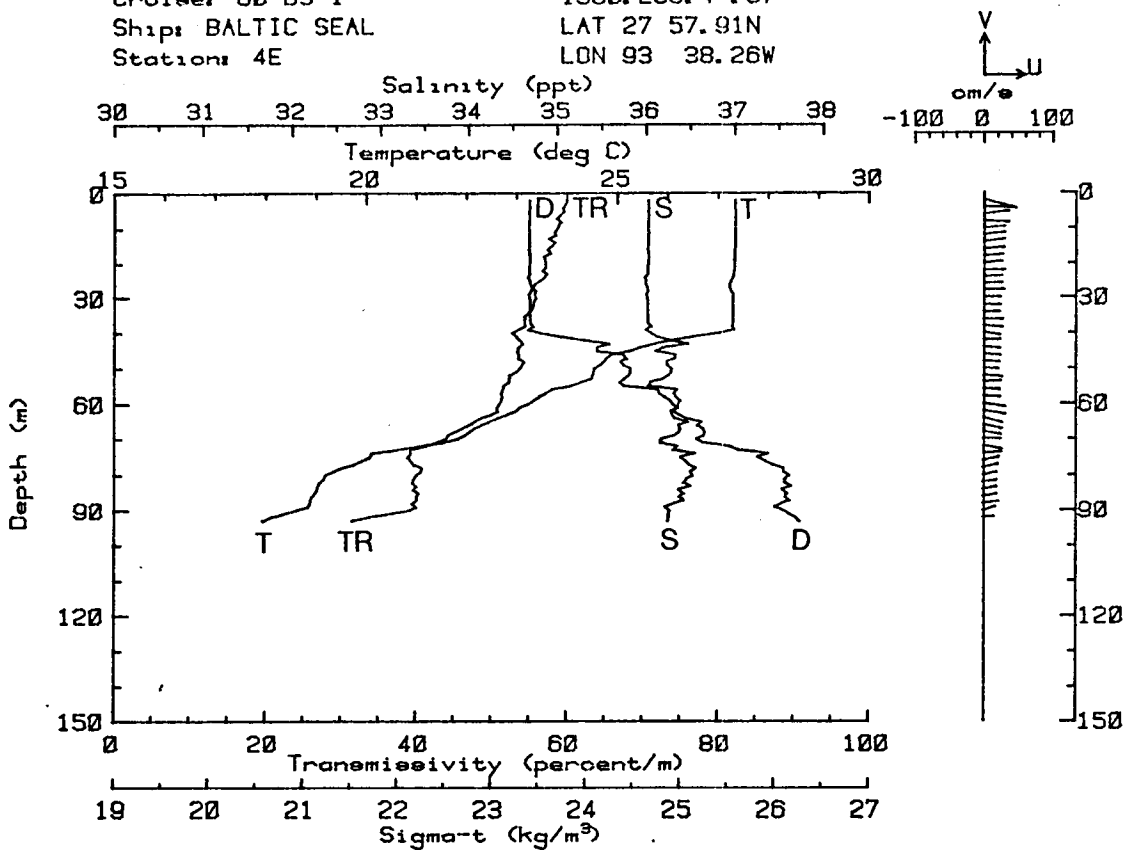
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 Ship: BALTIC SEAL
 Stations: 3E

Year Day Hr Min
 1980: 298: 11: 21
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 LON 93 38.16W



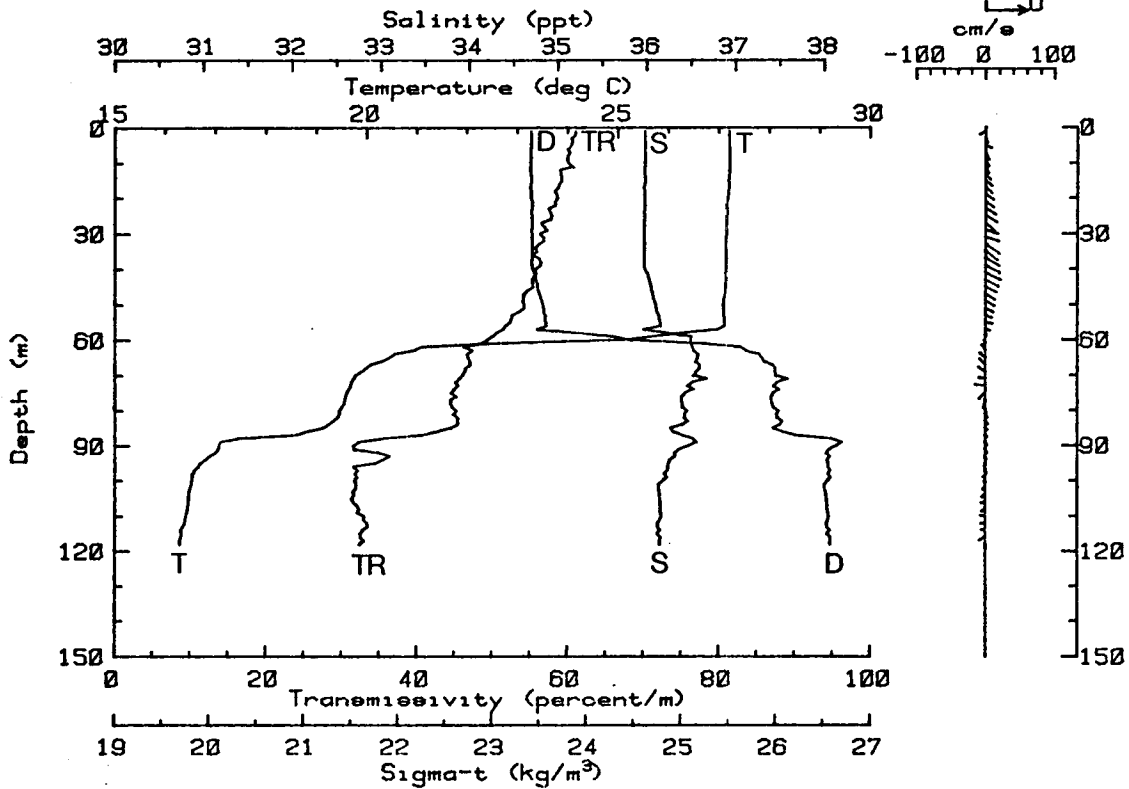
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 Ship: BALTIC SEAL
 Station: 4E

Year Day Hr Min
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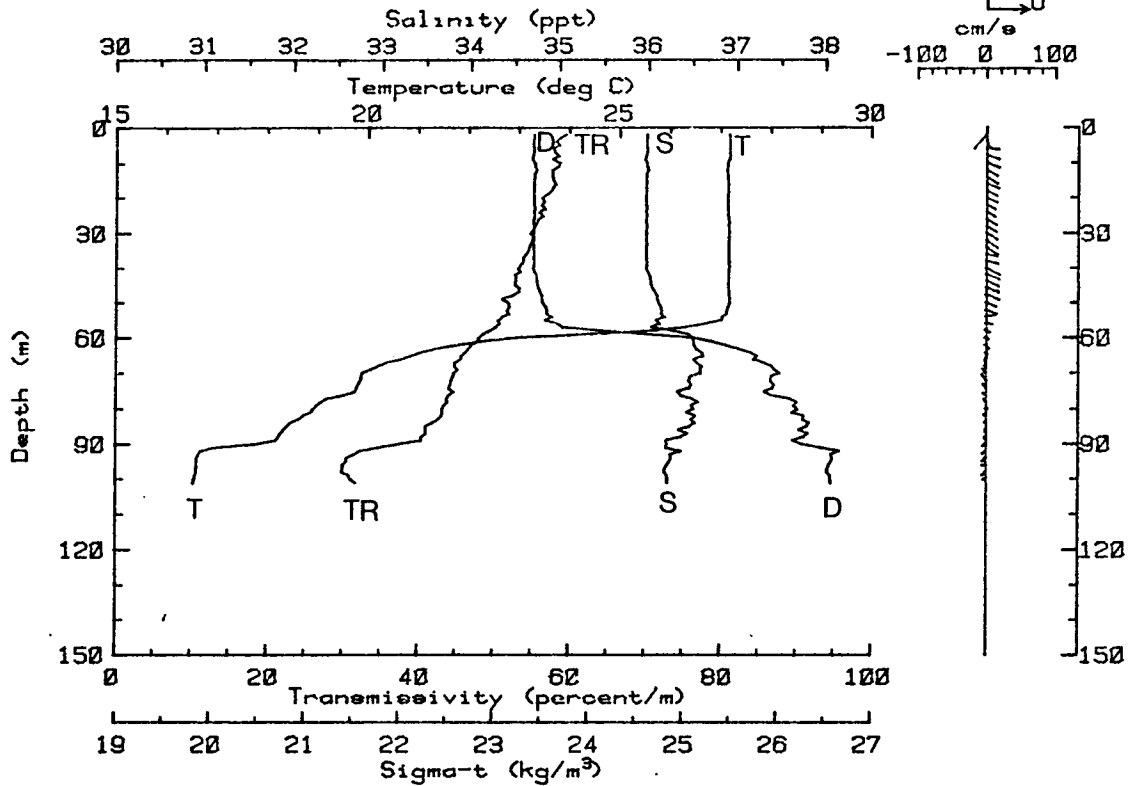
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 Ship: BALTIC SEAL
 Station: 5E

Year Day Hr Min
 1980: 298: 7 : 10
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 LON 93 34.21W



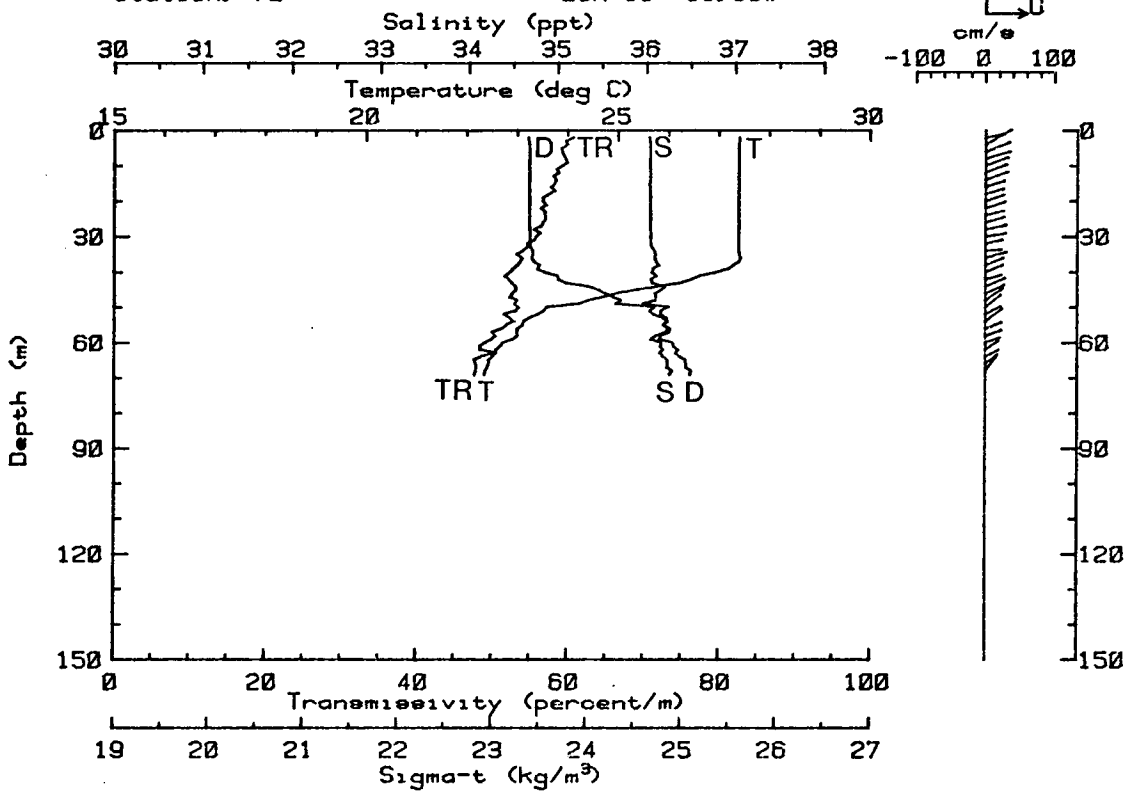
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 Ship: BALTIC SEAL
 Station: 6E

Year Day Hr Min
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 LON 93 34.77W



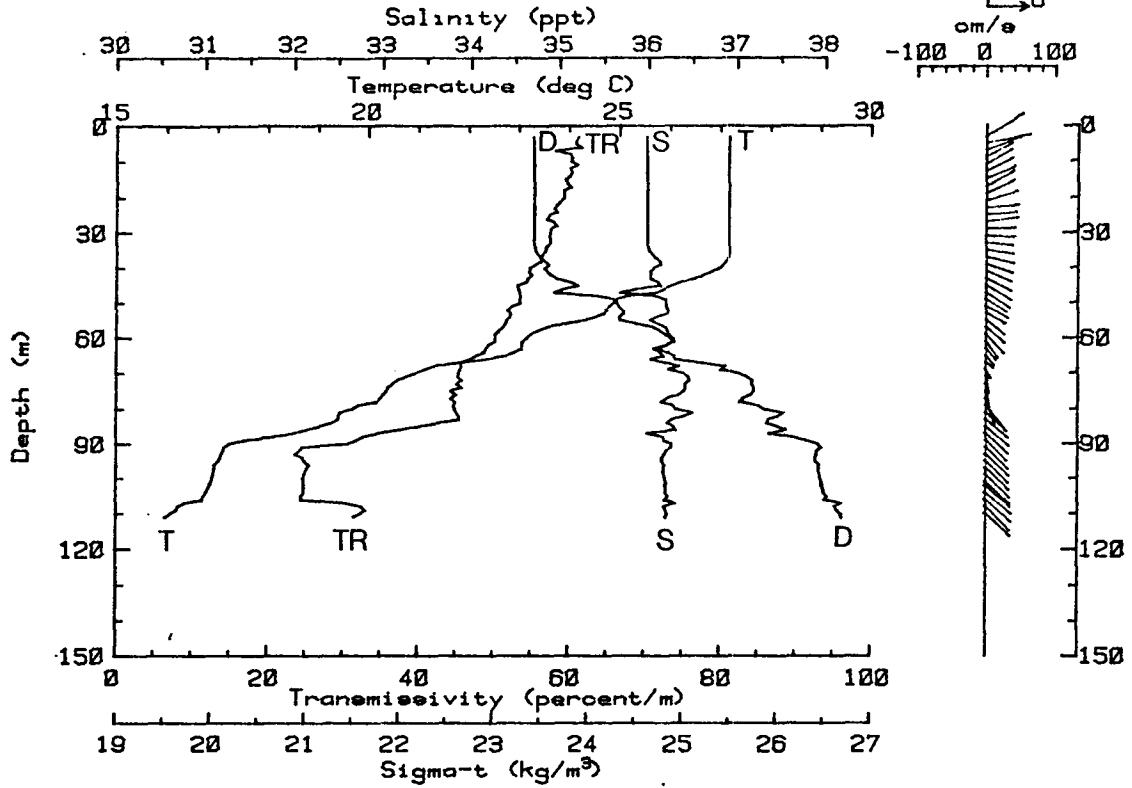
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 Ship: BALTIC SEAL
 Station: 7E

Year Day Hr Min
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 LAT 27 56.72N
 LON 93 36.86W



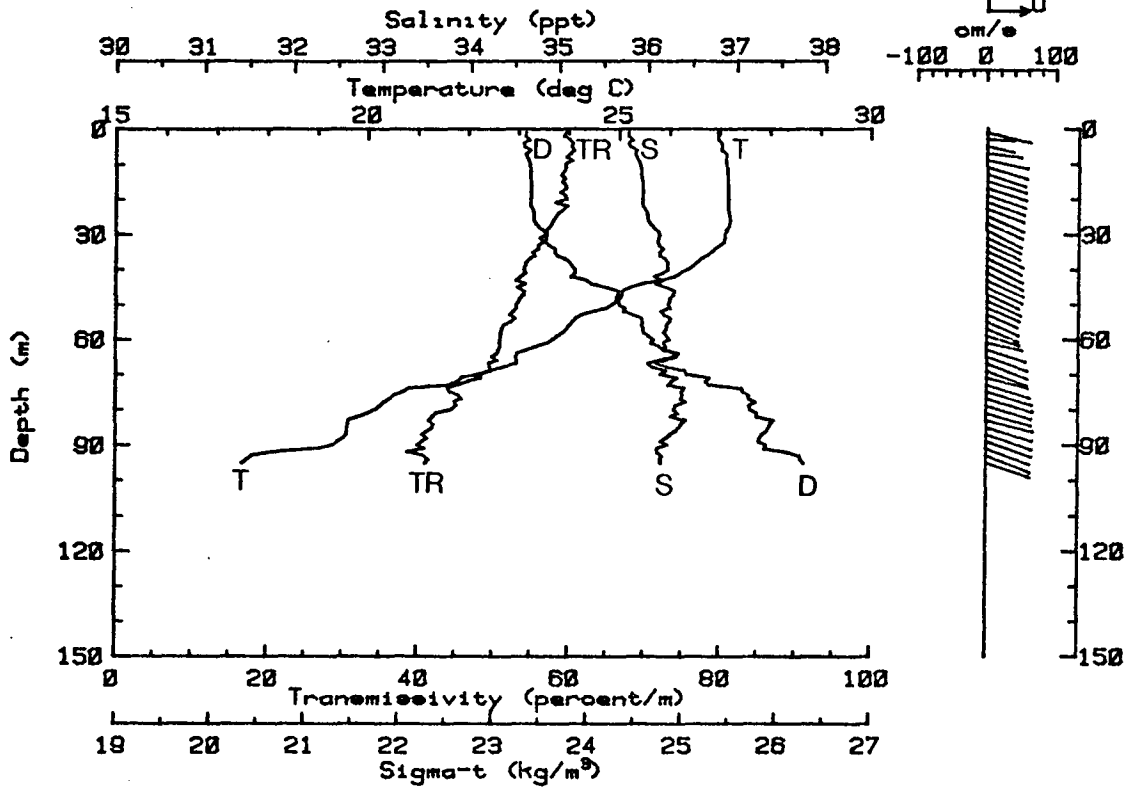
Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Stations: 8E

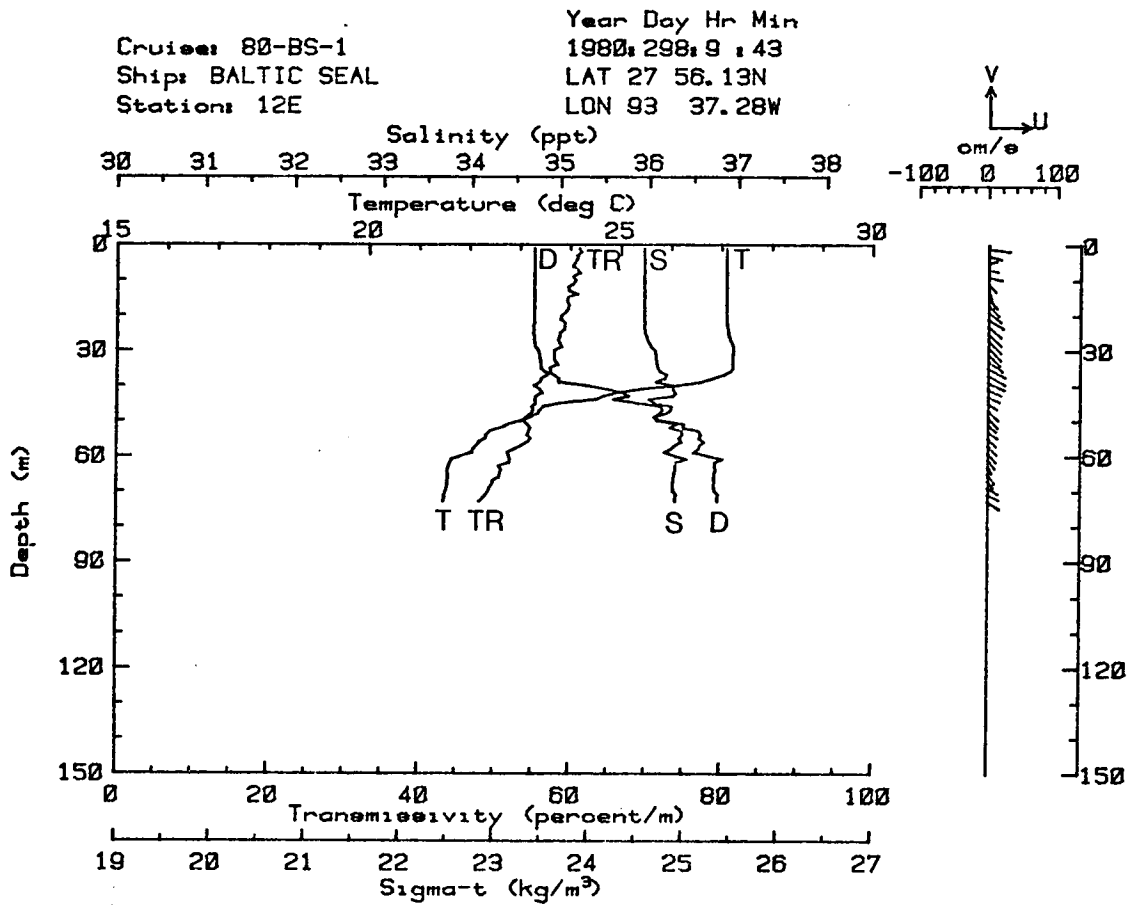
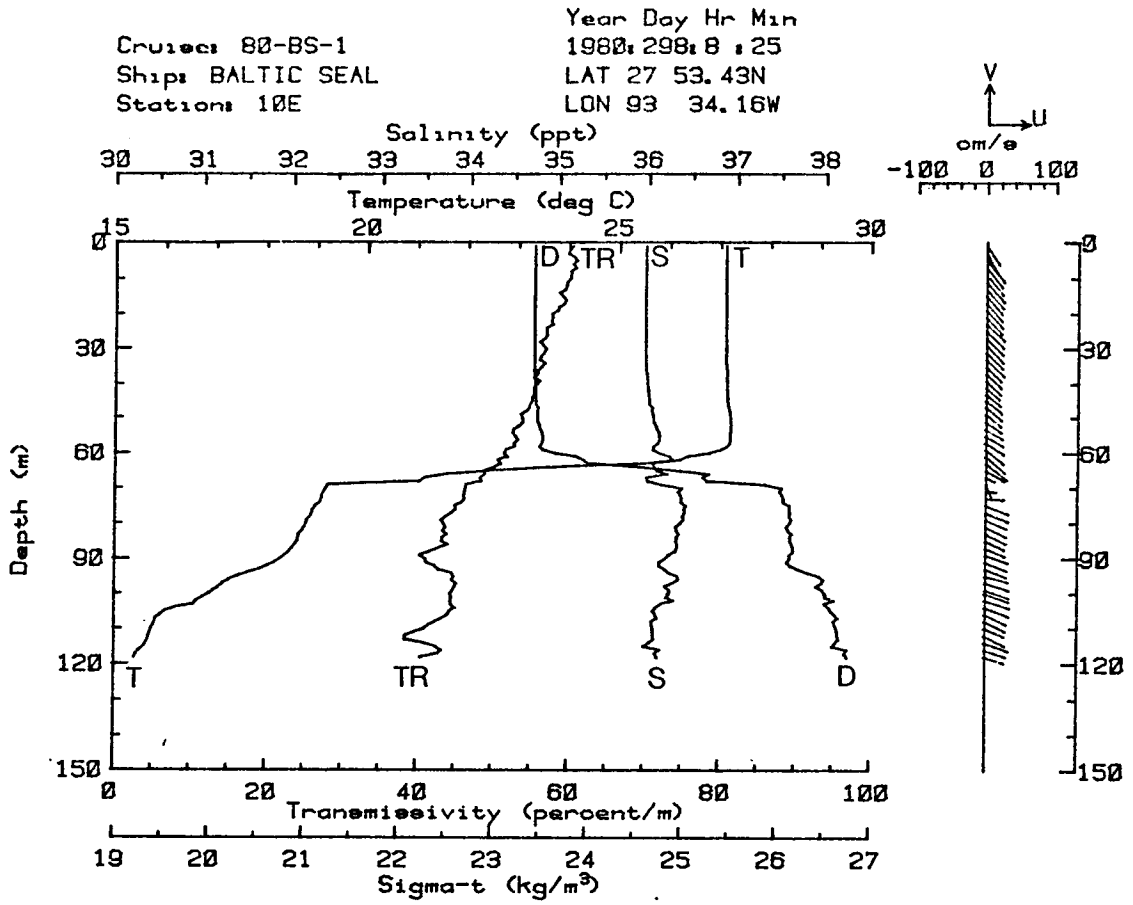
Year Day Hr Min
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 LAT 27 56.40N
 LON 93 31.58W



Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Stations: 9E

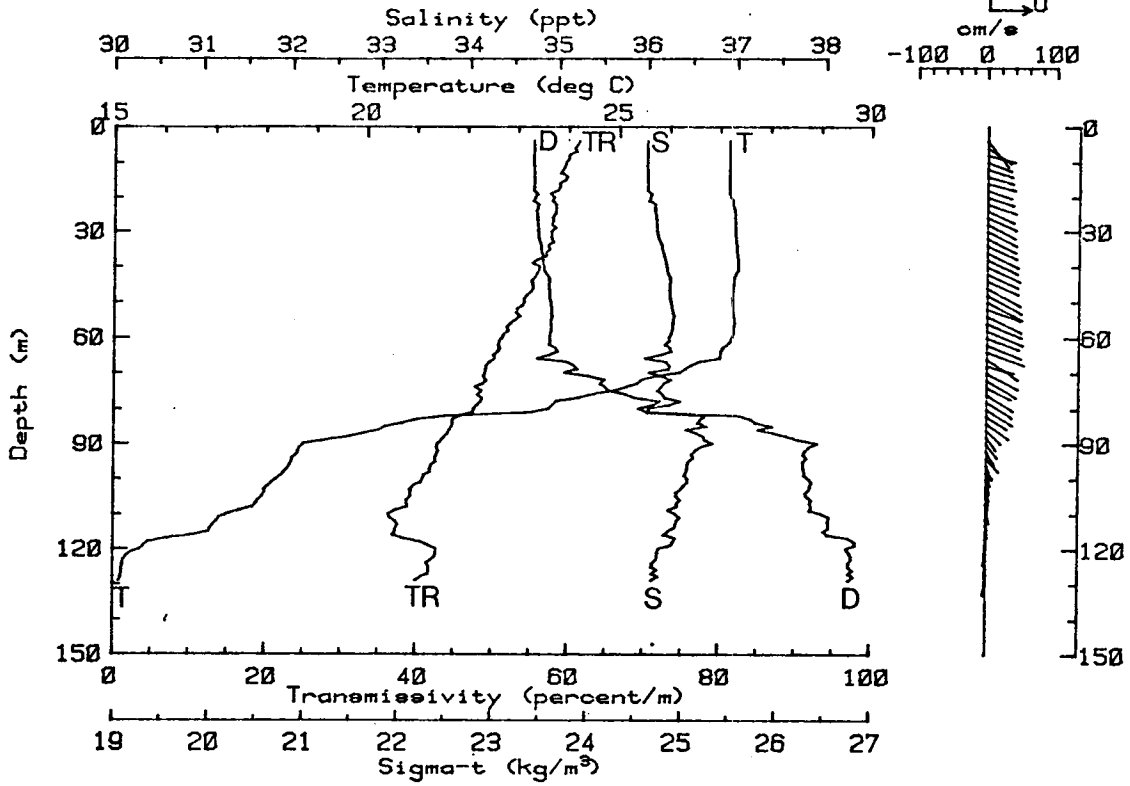
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 LON 93 40.41W





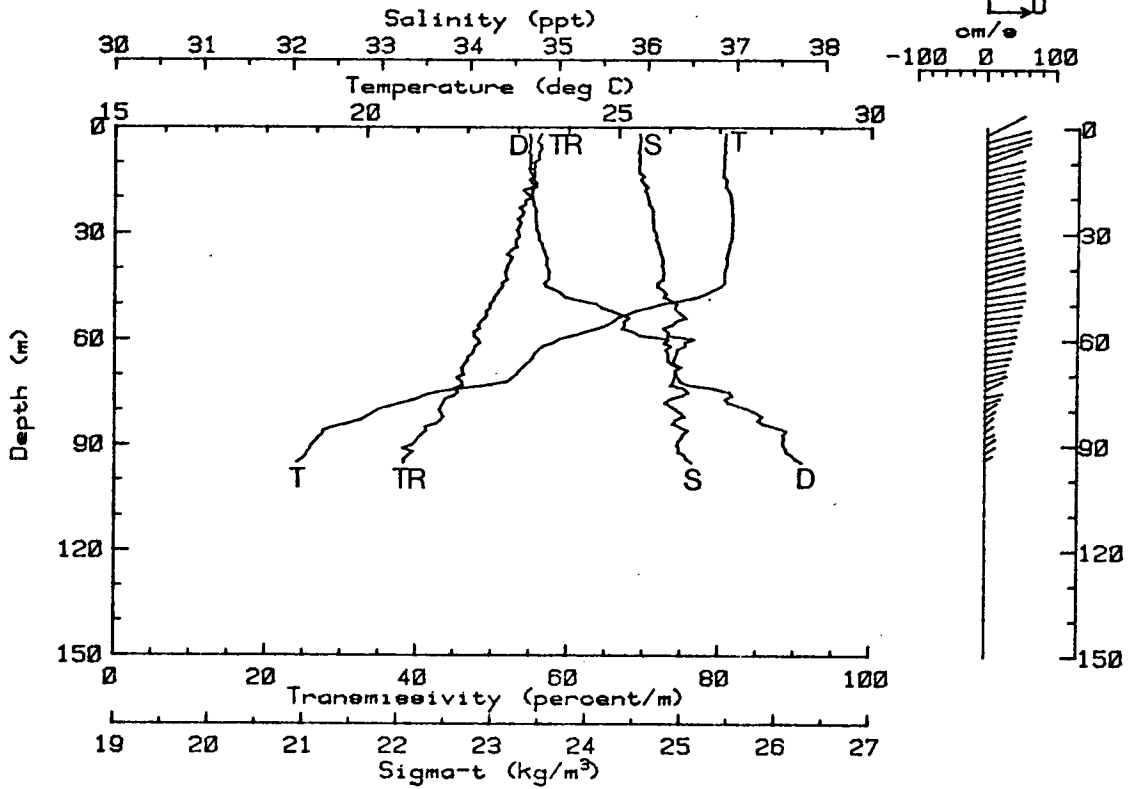
Cruise: 80-B5-1
 Ship: BALTIC SEAL
 Station: 1W

Year Day Hr Min
 1980: 297: 0 : 8
 LAT 27 50.25N
 LON 93 47.43W



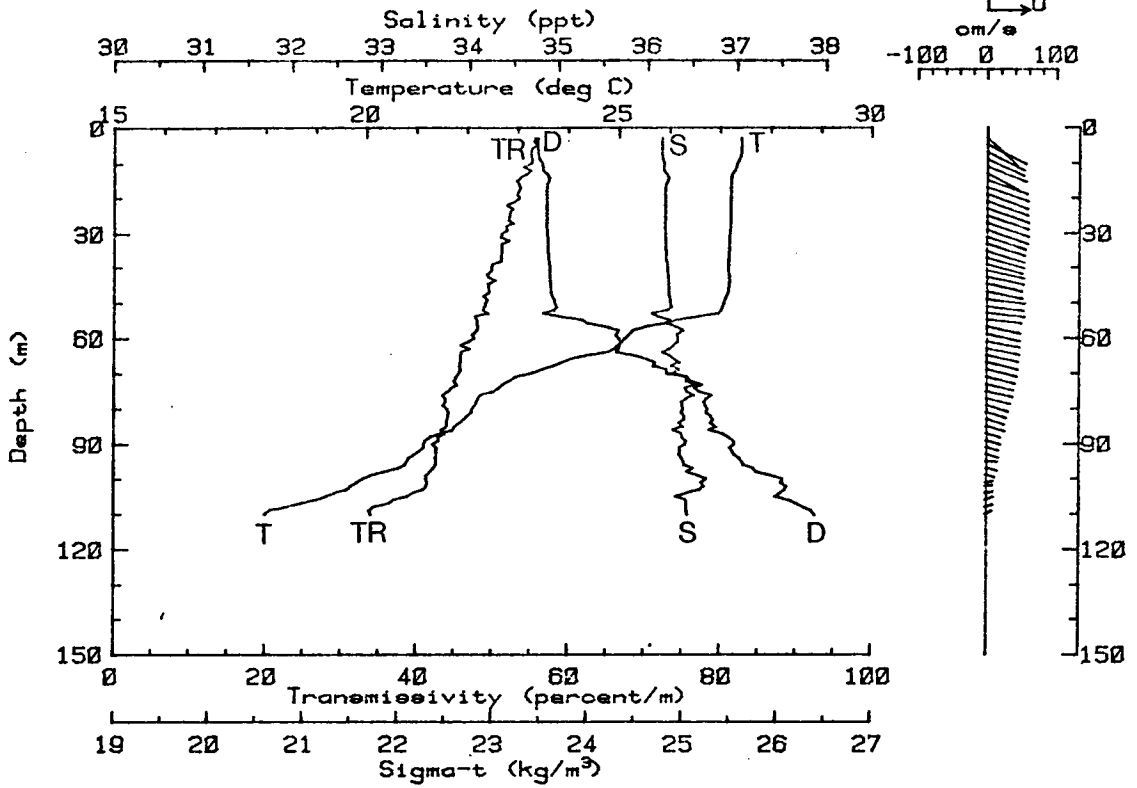
Cruise: 80-B5-1
 Ship: BALTIC SEAL
 Station: 2W

Year Day Hr Min
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 LON 93 47.34W



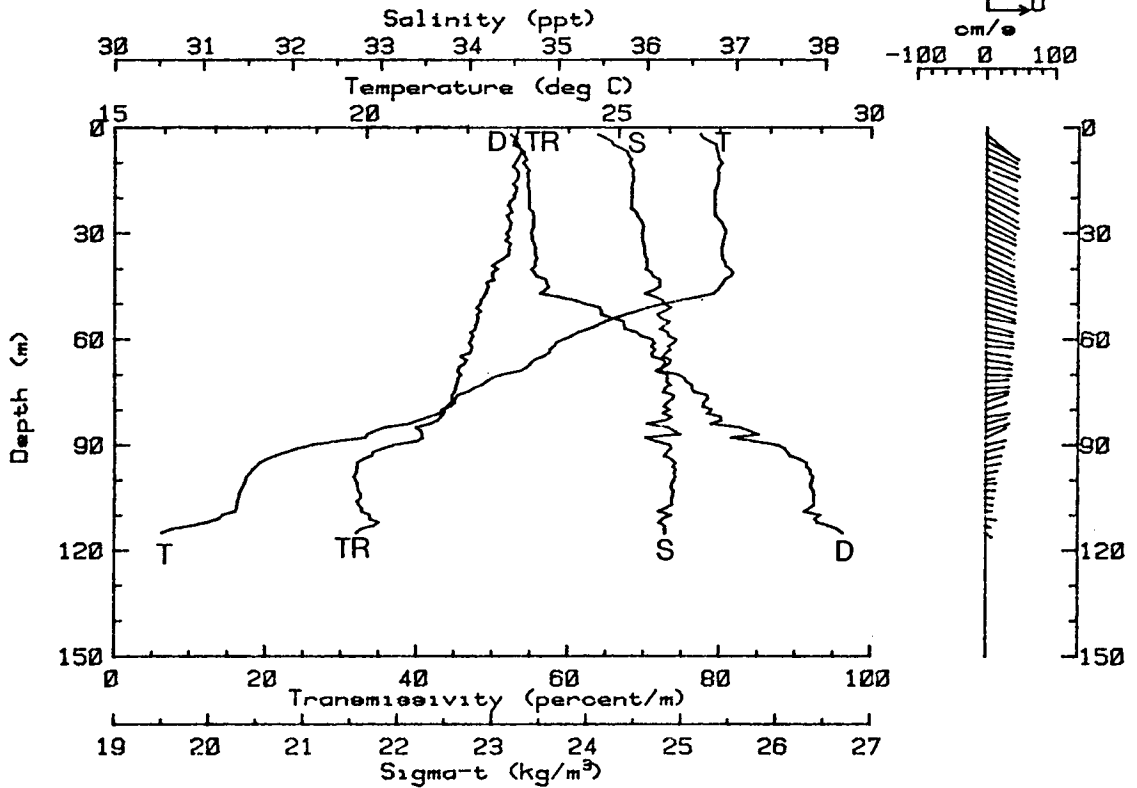
Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Station: 3W

Year Day Hr Min
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 LON 93 52.64W



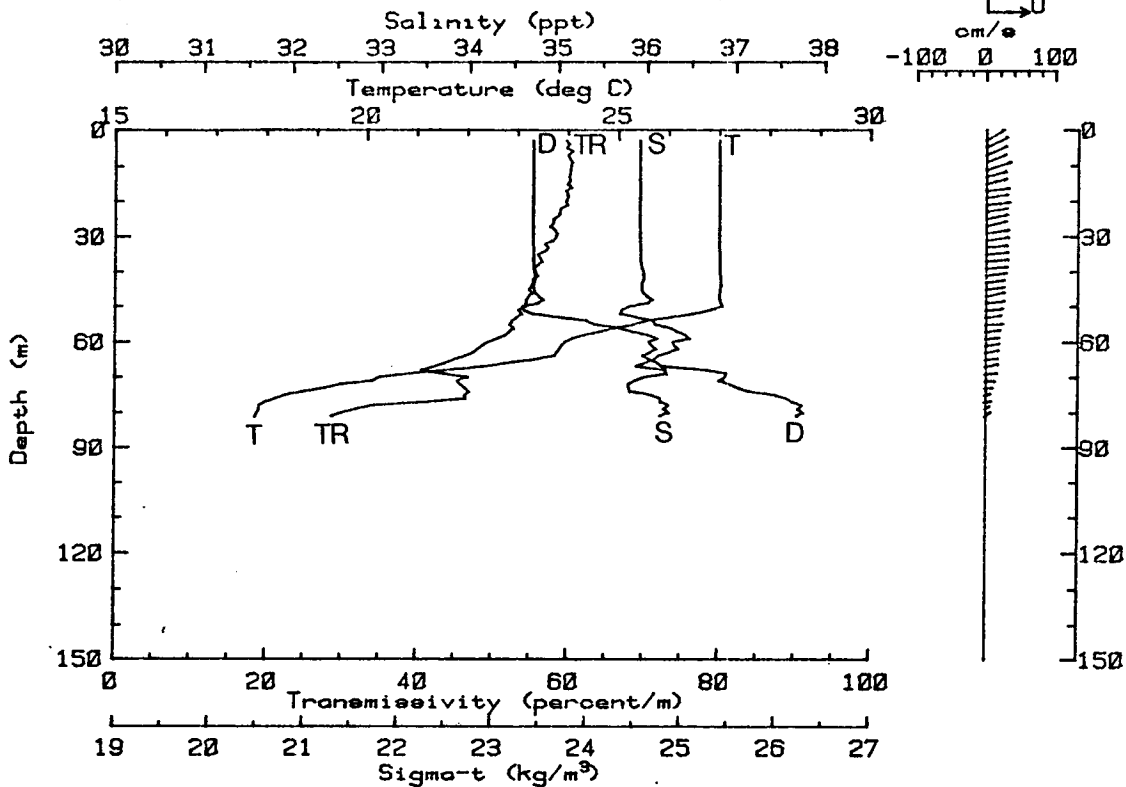
Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Station: 4W

Year Day Hr Min
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 LON 93 51.94W



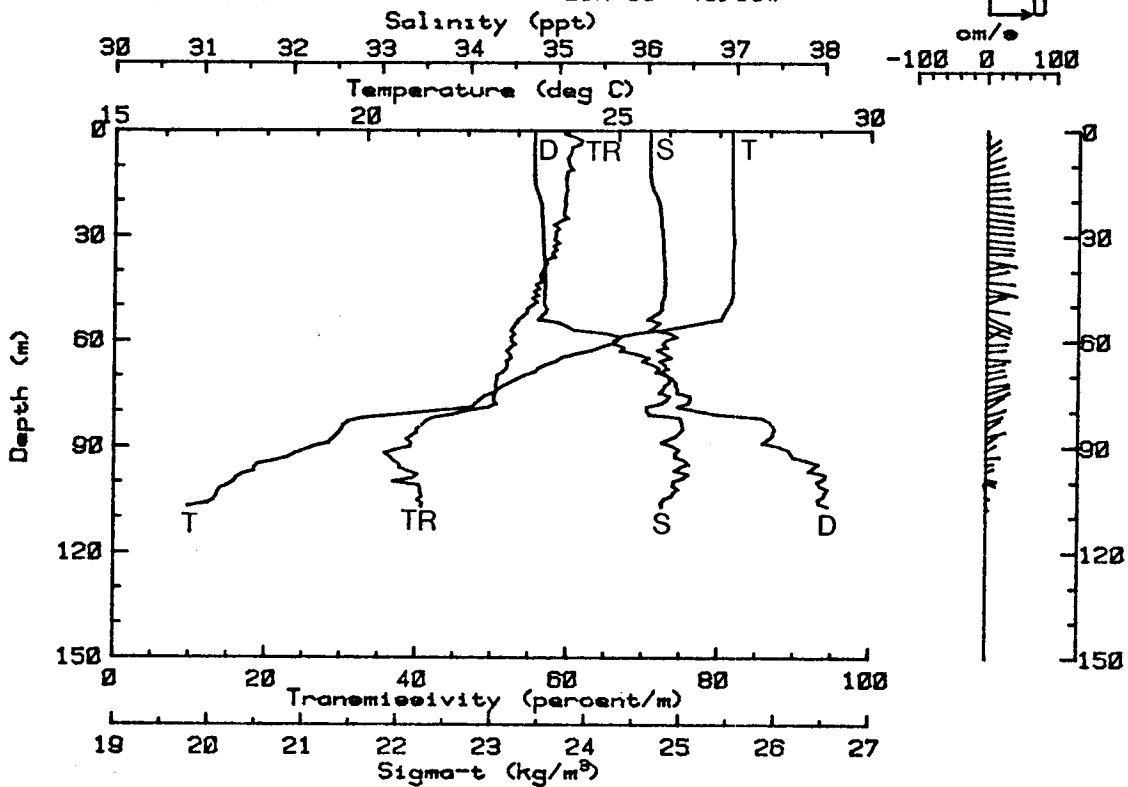
Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Station: 5W

Year Day Hr Min
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 LON 93 49.59W



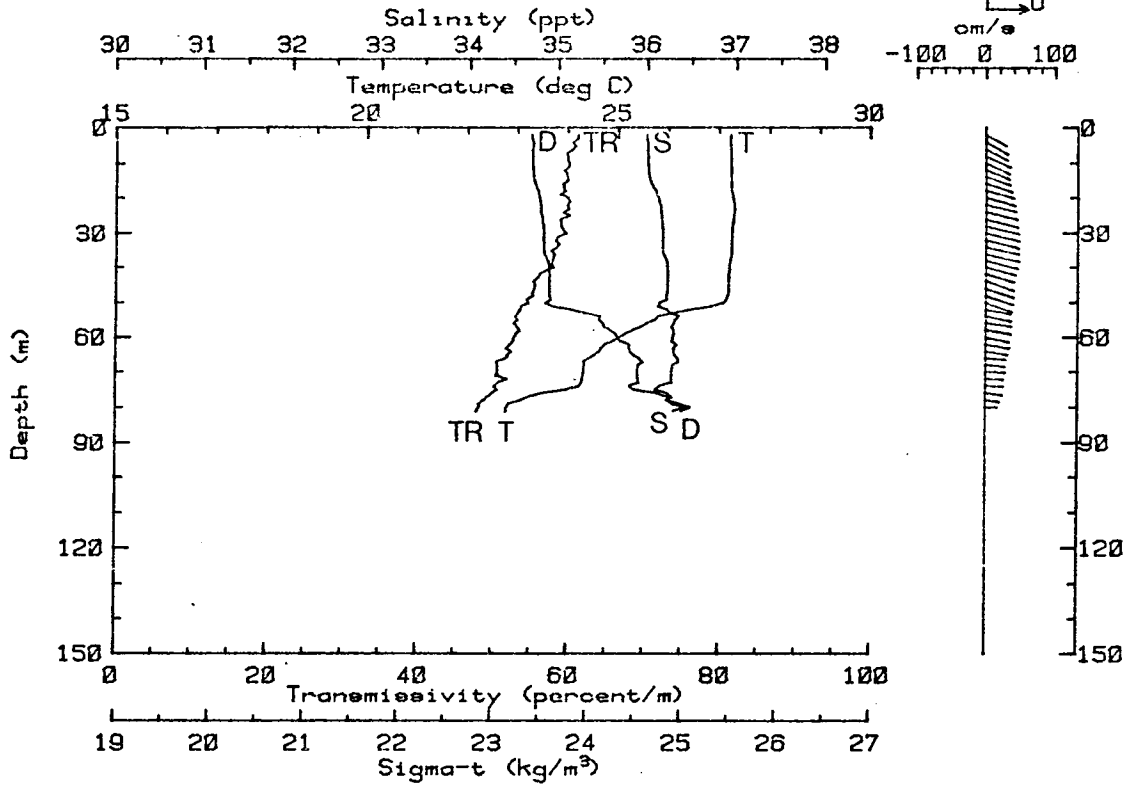
Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Station: 6W

Year Day Hr Min
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 LAT 27 55.14N
 LON 93 49.13W



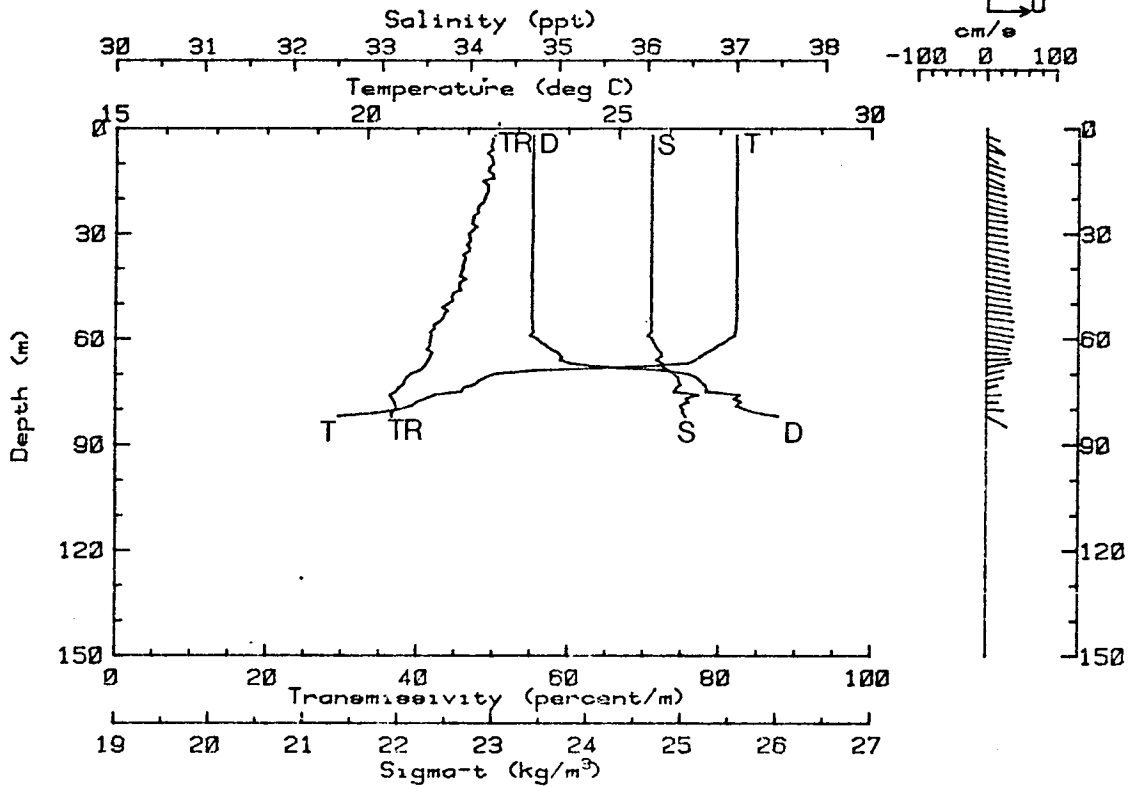
Cruises: 82-BS-1
Ship: BALTIC SEAL
Stations: 7W

Year Day Hr Min
1982, 297, 1, 22
LAT 27 53.17N
LON 93 48.84W



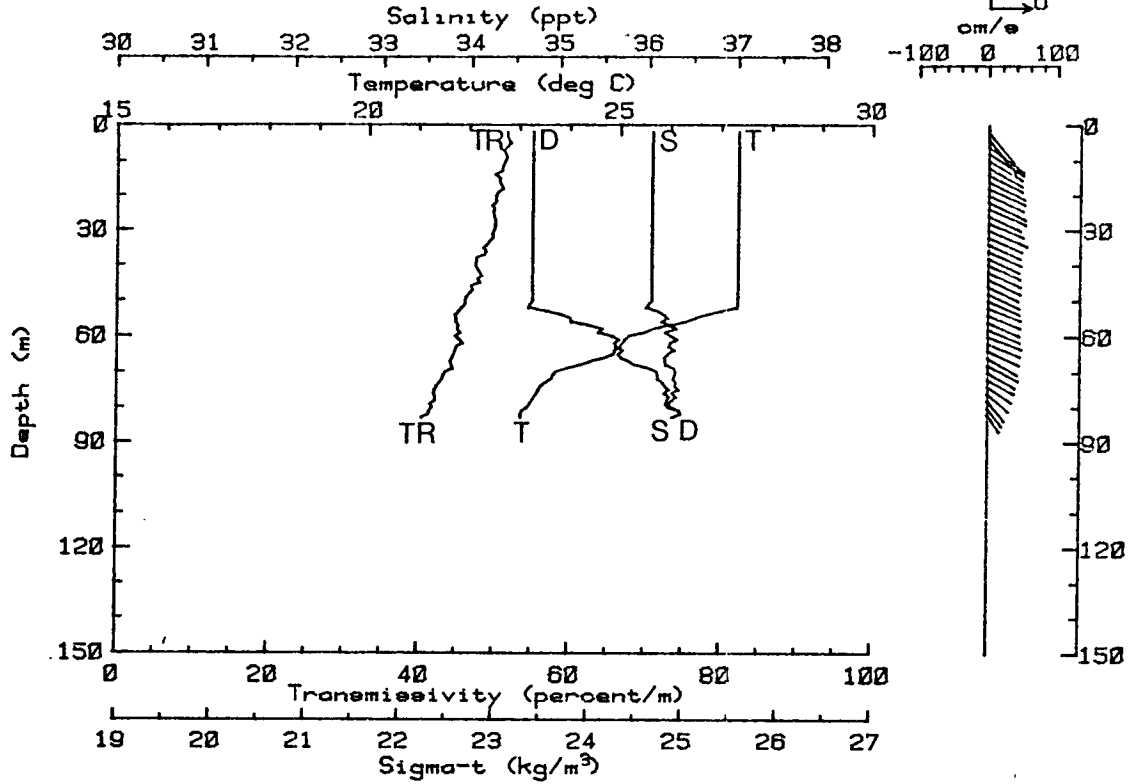
Cruises: BLM SUB
Ship: BALTIC SEAL
Stations: 8W

Year Day Hr Min
1982, 295, 1, 12
LAT 27 51.89N
LON 93 48.29W



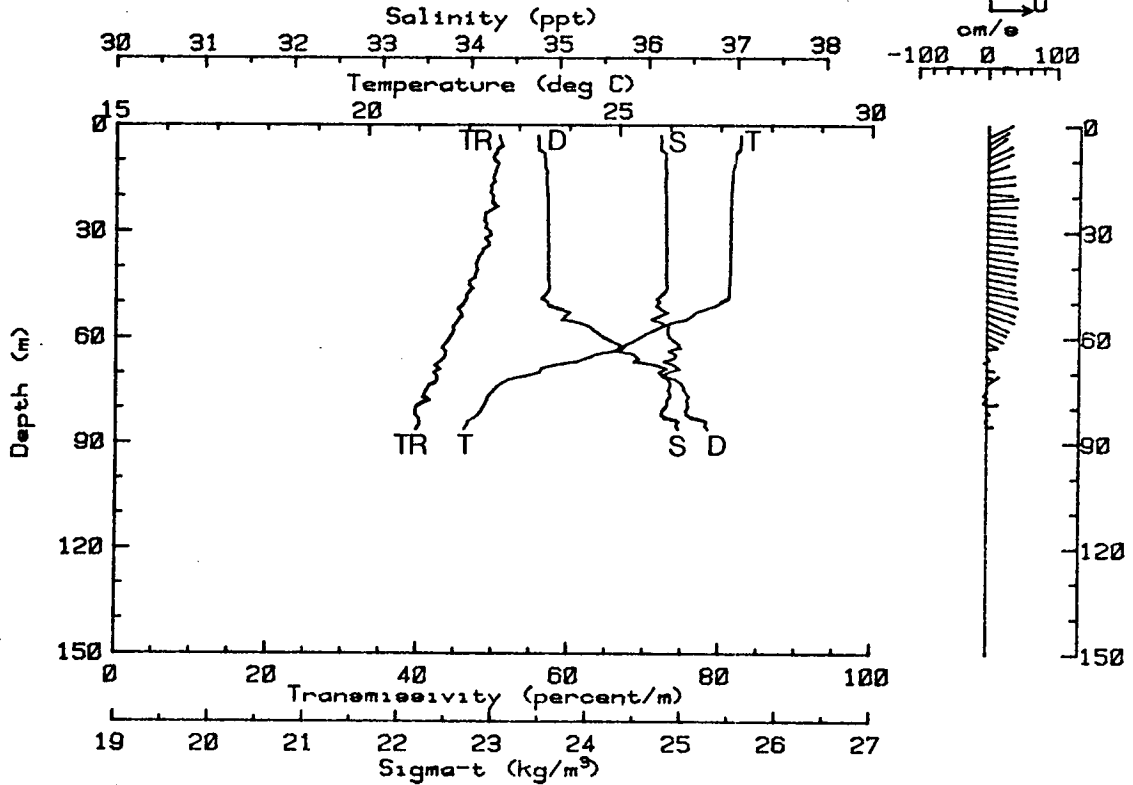
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 Ship: BALTIC SEAL
 Station: 10W

Year Day Hr Min
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 LON 93 51.18W



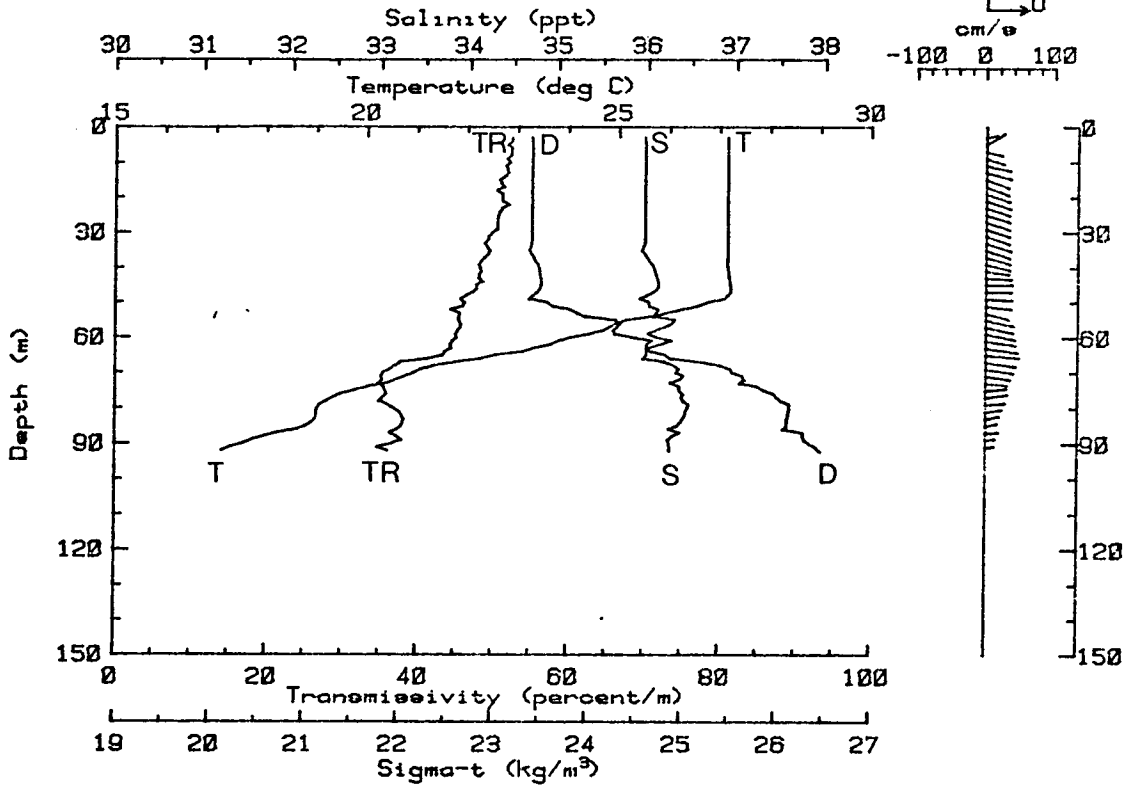
Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Station: 11W

Year Day Hr Min
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 LAT 27 52.15N
 LON 93 49.81W



Cruise: 80-BS-1
 Ship: BALTIC SEAL
 Station: 12W

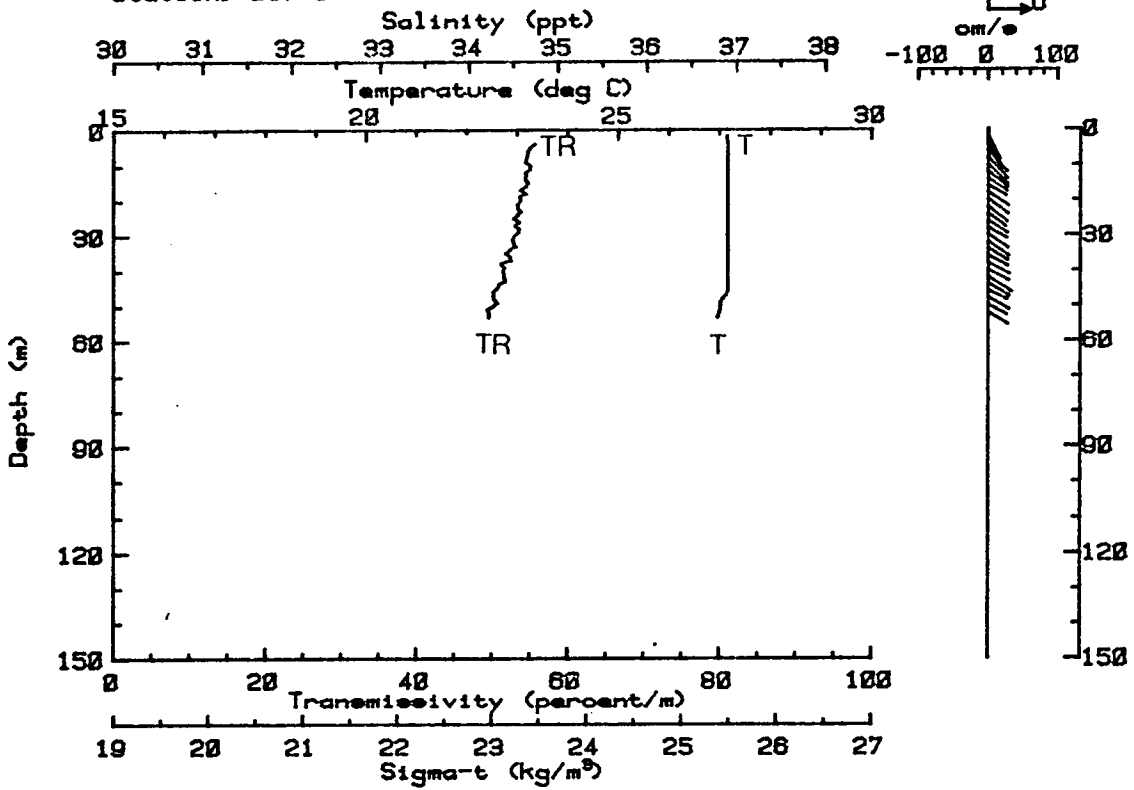
Year Day Hr Min
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 LON 93 44.81W



Cruises 80-BS-1
 Ships BALTIC SEAL
 Stations D17-1

Year Day Hr Min
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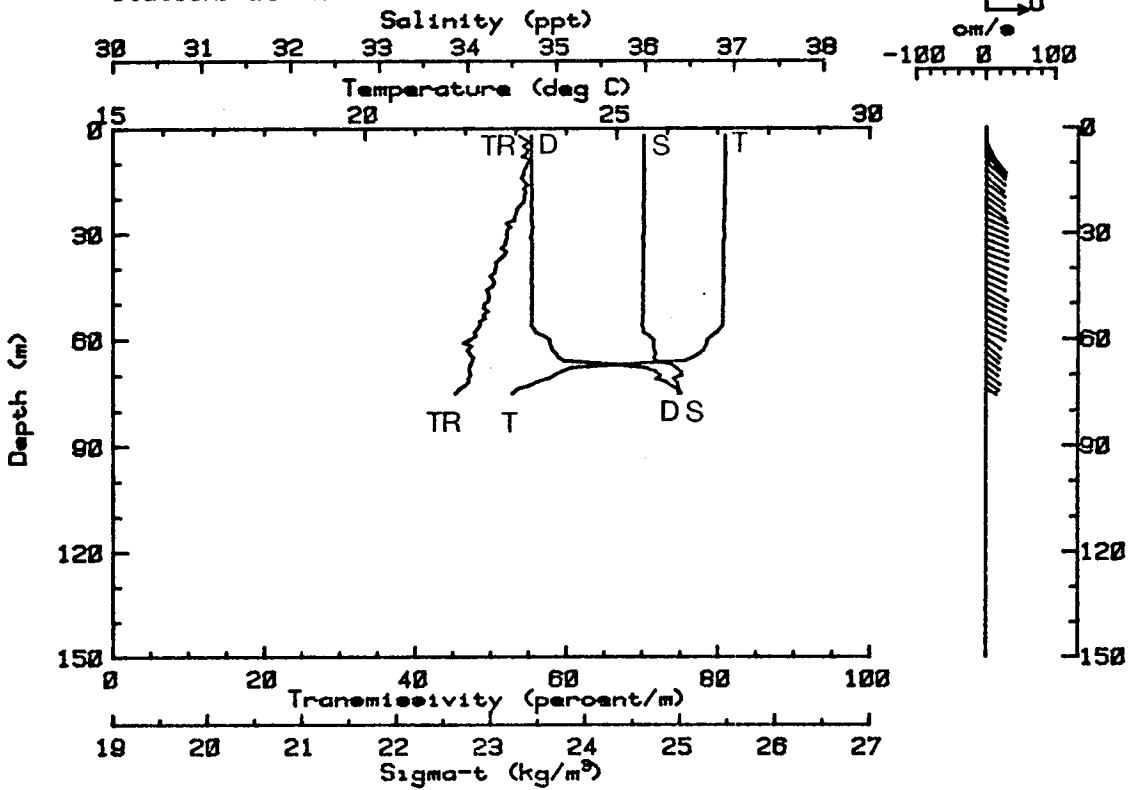
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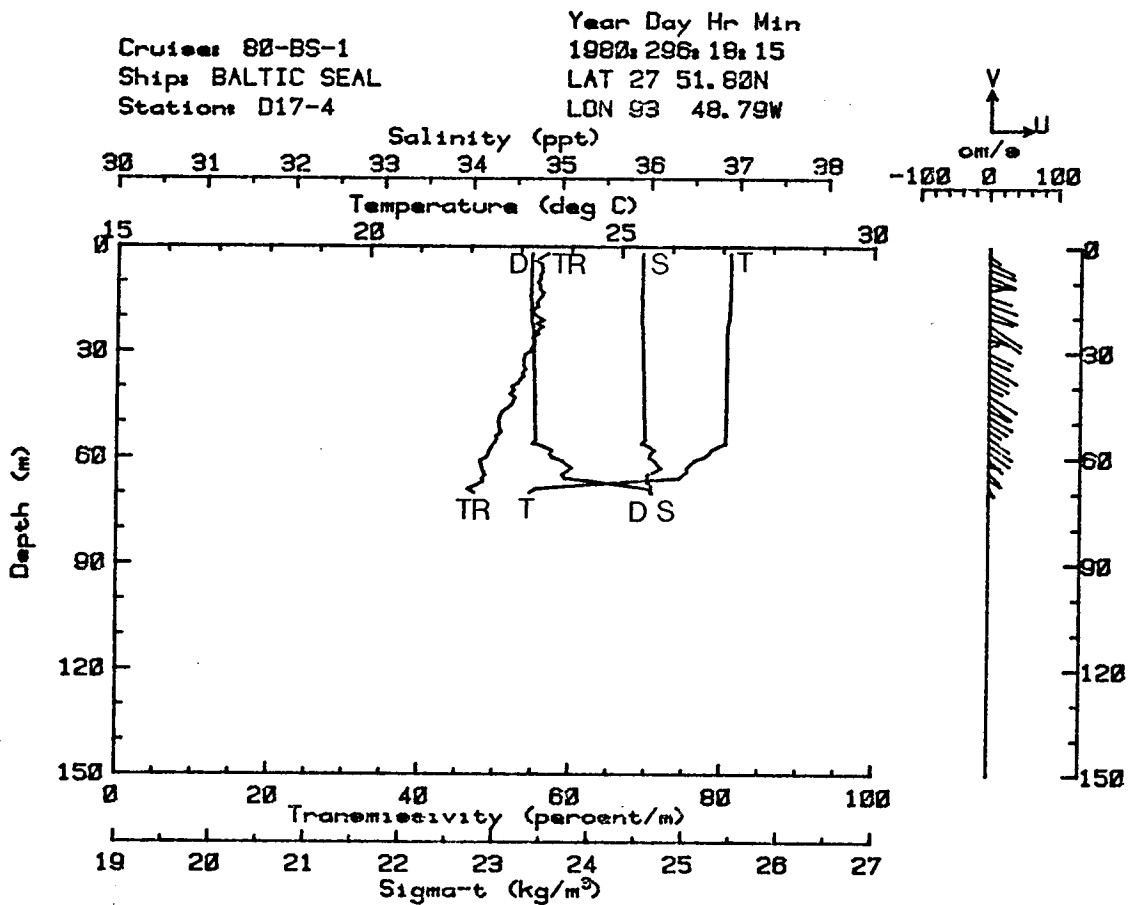
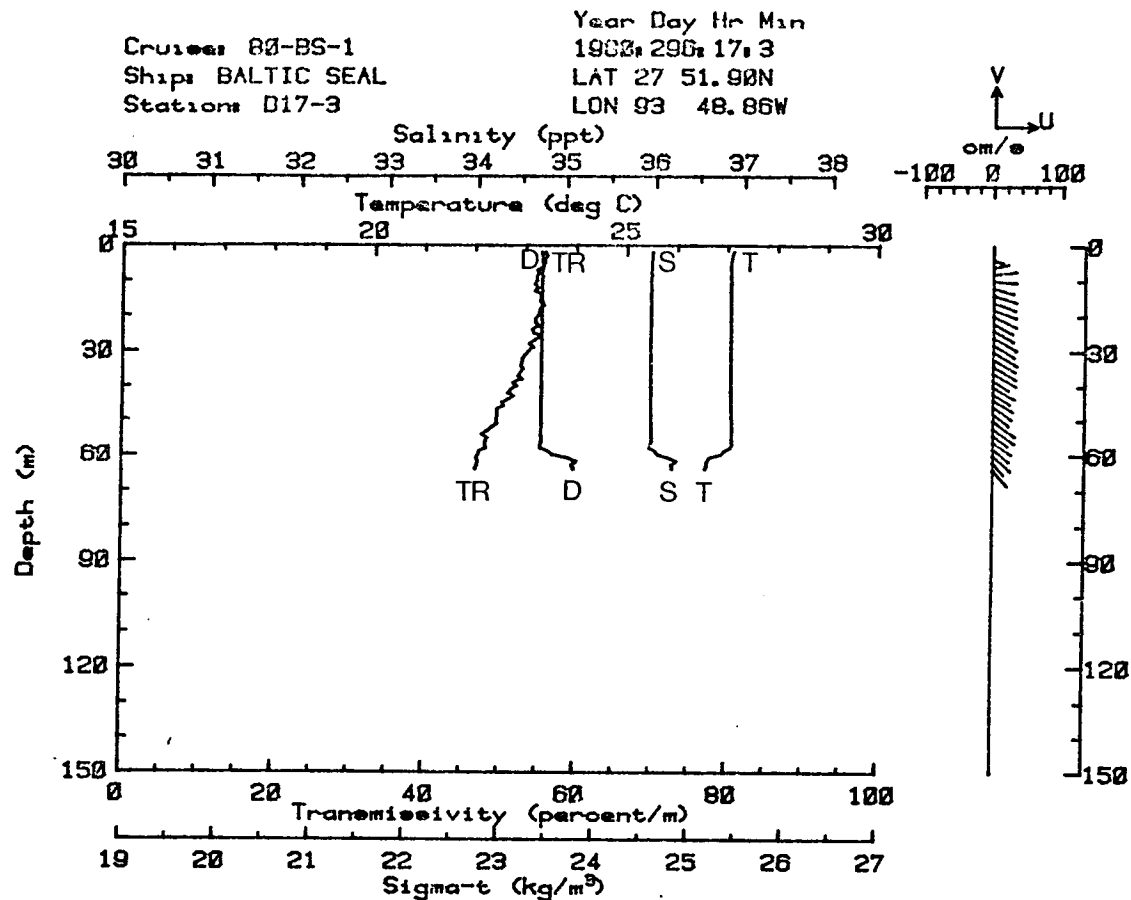


Cruises 80-BS-1
 Ships BALTIC SEAL
 Stations D17-2

Year Day Hr Min
 1980: 296: 16: 27

LAT 27 51.63N
 LON 93 48.82W





Station: 1W
 Cruise: 80-B5-1
 Ship: BALTIC SEAL
 Position: Latitude 27 50.25 N
 Longitude 93 47.43 W
 Time: Year Day Hour Minute
 1980 297 0 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
4.0	27.169	35.989	23.429	61.3	29.1	-36.9	47.0	141.7
5.0	27.172	35.986	23.426	61.1	30.1	-26.0	39.8	130.9
6.0	27.172	35.985	23.426	60.7	32.4	-21.6	39.0	123.7
7.0	27.171	35.989	23.428	61.0	31.1	-15.0	34.5	115.7
8.0	27.172	35.985	23.425	59.9	33.2	-9.9	39.5	104.6
9.0	27.173	35.984	23.424	59.9	35.2	-12.1	37.2	108.9
10.0	27.172	35.984	23.424	59.6	32.7	-12.5	35.1	111.0
11.0	27.171	35.985	23.426	59.4	34.0	-11.8	36.0	109.1
12.0	27.171	35.986	23.426	59.2	35.3	-11.0	37.0	107.3
13.0	27.168	35.987	23.428	58.9	34.8	-10.9	36.4	107.3
14.0	27.169	35.989	23.429	59.7	35.4	-10.9	36.9	106.3
15.0	27.169	35.988	23.428	59.5	36.7	-17.5	40.7	115.5
16.0	27.167	35.988	23.429	58.8	36.6	-10.1	40.1	104.6
17.0	27.168	35.988	23.429	58.7	33.2	-10.7	33.6	105.6
18.0	27.171	35.986	23.426	58.5	35.5	-12.2	35.7	110.0
19.0	27.170	36.030	23.460	57.5	36.7	-13.1	39.0	109.7
20.0	27.205	36.024	23.444	58.0	35.9	-12.1	37.9	108.6
21.0	27.242	36.009	23.421	57.8	41.4	-19.2	45.7	114.9
22.0	27.238	36.076	23.472	58.2	41.1	-14.8	43.7	109.9
23.0	27.258	36.077	23.467	58.2	39.1	-17.4	42.8	114.0
24.0	27.280	36.075	23.458	58.2	37.1	-18.8	41.4	116.2
25.0	27.286	36.083	23.462	58.1	40.4	-19.0	44.7	115.2
26.0	27.286	36.086	23.464	57.8	40.4	-18.8	44.6	115.0
27.0	27.287	36.093	23.469	57.8	42.6	-19.6	46.8	114.7
28.0	27.286	36.096	23.472	57.7	39.6	-20.7	44.6	117.6
29.0	27.287	36.098	23.474	58.2	41.7	-22.9	47.6	118.8
30.0	27.287	36.101	23.476	57.7	41.4	-20.7	46.3	116.6
31.0	27.295	36.107	23.477	57.7	40.8	-20.5	45.7	116.6
32.0	27.304	36.117	23.482	57.6	40.3	-20.3	45.1	116.7
33.0	27.310	36.137	23.495	57.9	40.5	-19.9	45.1	116.1
34.0	27.318	36.154	23.506	57.3	42.1	-19.3	46.3	114.7
35.0	27.327	36.158	23.506	57.3	41.9	-21.1	46.9	116.8
36.0	27.333	36.169	23.511	57.0	44.1	-21.8	49.2	116.3
37.0	27.337	36.183	23.521	57.0	42.3	-20.1	46.9	115.4
38.0	27.350	36.193	23.525	55.9	42.6	-20.2	47.1	115.4
39.0	27.354	36.200	23.528	55.2	45.1	-22.4	50.3	116.5
40.0	27.356	36.210	23.535	56.1	46.9	-21.5	51.6	114.6
41.0	27.355	36.212	23.537	56.8	43.9	-19.6	48.1	114.1
42.0	27.316	36.225	23.559	55.8	43.7	-20.4	48.2	115.0
43.0	27.274	36.245	23.588	55.5	47.3	-23.0	52.6	115.9
44.0	27.264	36.251	23.596	55.1	43.8	-19.5	47.9	114.0
45.0	27.262	36.244	23.591	55.2	43.8	-23.1	52.0	122.7
46.0	27.254	36.243	23.593	55.3	47.7	-26.6	54.6	119.2
47.0	27.246	36.244	23.596	55.0	48.3	-26.6	55.1	118.8
48.0	27.243	36.247	23.600	54.5	49.5	-27.0	56.4	118.6
49.0	27.243	36.248	23.600	54.1	50.4	-29.4	58.3	120.3
50.0	27.239	36.260	23.610	54.1	50.5	-26.0	56.8	117.3
51.0	27.241	36.266	23.614	53.9	48.9	-22.4	53.8	114.7
52.0	27.245	36.275	23.620	53.2	46.8	-16.0	49.5	108.9
53.0	27.255	36.280	23.621	53.0	49.9	-23.7	55.3	115.4
54.0	27.266	36.293	23.627	53.6	48.8	-22.9	53.9	115.2
55.0	27.281	36.286	23.616	53.0	49.8	-23.2	54.9	115.0
56.0	27.283	36.279	23.611	52.4	49.5	-20.4	53.6	112.5
57.0	27.269	36.281	23.617	51.9	45.5	-14.4	47.8	107.5
58.0	27.264	36.270	23.610	52.0	51.4	-21.6	55.8	112.7
59.0	27.258	36.260	23.605	51.5	52.6	-22.4	57.1	113.1
60.0	27.235	36.240	23.597	51.2	46.1	-17.0	49.1	110.2
61.0	27.207	36.242	23.608	50.9	43.9	-16.2	46.8	110.2
62.0	27.155	36.203	23.594	50.7	49.0	-20.2	53.1	112.4
63.0	27.057	36.247	23.659	50.9	52.5	-19.9	56.2	110.8

Station: IW
 Cruise : SO-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 50.25 N
 Longitude 93 47.43 W
 Time: Year Day Hour Minute
 1980 297 0 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
64.0	27.011	36.265	23.688	50.7	53.6	-19.8	57.1	110.3
65.0	27.007	36.152	23.604	50.1	52.3	-25.3	58.1	115.8
66.0	26.996	35.971	23.471	50.3	44.5	-29.9	53.6	123.9
67.0	26.584	36.204	23.778	49.6	48.4	-18.6	51.9	111.0
68.0	26.423	36.242	23.858	49.2	37.2	-10.1	38.6	105.1
69.0	26.310	36.240	23.892	49.0	41.1	-16.6	44.3	112.1
70.0	26.198	36.019	23.761	48.9	44.9	-23.2	50.5	117.3
71.0	25.738	36.151	24.004	48.8	32.5	-16.2	36.4	116.5
72.0	25.454	36.266	24.178	49.1	41.9	-24.3	48.4	120.1
73.0	25.373	36.184	24.141	48.8	39.8	-26.3	47.7	123.5
74.0	25.154	36.155	24.187	47.7	34.0	-16.6	37.9	116.1
75.0	24.920	36.116	24.229	48.5	38.8	-20.6	43.9	118.0
76.0	24.479	36.169	24.402	48.1	37.4	-22.5	43.7	121.0
77.0	24.213	36.195	24.502	48.5	35.5	-22.9	42.2	122.8
78.0	23.767	36.370	24.767	48.5	36.1	-21.8	42.2	121.2
79.0	23.691	36.256	24.704	48.0	36.1	-22.3	42.4	121.7
80.0	23.614	36.017	24.545	47.5	36.0	-22.8	42.6	122.3
81.0	23.241	36.000	24.641	47.3	33.7	-18.6	38.6	118.9
82.0	21.568	36.650	25.611	45.6	28.9	-18.6	34.4	122.7
83.0	20.971	36.600	25.738	44.7	26.9	-18.5	32.6	124.5
84.0	20.730	36.570	25.780	44.8	31.2	-23.2	38.9	126.7
85.0	20.368	36.670	25.954	44.6	25.2	-21.5	33.2	130.5
86.0	20.249	36.489	25.810	44.3	20.8	-20.9	29.2	134.7
87.0	19.934	36.552	25.981	44.1	18.6	-21.1	28.2	138.6
88.0	19.658	36.632	26.114	43.7	13.5	-19.2	23.5	144.8
89.0	19.203	36.646	26.244	43.2	14.5	-19.7	24.4	143.7
90.0	18.747	36.737	26.431	42.8	15.4	-20.2	25.4	142.7
91.0	18.679	36.608	26.349	42.7	11.2	-20.4	23.3	151.1
92.0	18.641	36.545	26.311	42.8	11.2	-19.6	22.6	150.2
93.0	18.613	36.507	26.289	42.6	5.6	-20.7	21.4	164.9
94.0	18.525	36.518	26.320	42.4	17.3	-19.6	26.2	138.5
95.0	18.506	36.471	26.288	42.5	13.2	-19.4	23.4	145.7
96.0	18.469	36.454	26.284	42.0	8.8	-20.9	22.6	157.1
97.0	18.428	36.448	26.291	41.7	10.2	-27.1	29.0	159.3
98.0	18.364	36.441	26.301	41.7	6.4	-20.7	21.6	162.9
99.0	18.313	36.422	26.299	41.0	6.3	-20.7	21.7	163.0
100.0	18.220	36.452	26.346	40.8	5.7	-21.5	22.3	165.3
101.0	18.127	36.457	26.373	40.6	5.0	-22.3	22.8	167.4
102.0	18.053	36.416	26.361	39.6	4.7	-21.5	22.0	167.6
103.0	17.984	36.387	26.355	39.2	3.8	-20.9	21.2	169.7
104.0	17.975	36.337	26.319	39.2	4.1	-18.7	19.1	167.5
105.0	17.933	36.330	26.324	39.2	3.6	-19.1	19.4	169.4
106.0	17.865	36.368	26.370	38.8	3.1	-21.2	21.4	171.6
107.0	17.813	36.342	26.363	38.7	3.1	-21.8	22.0	171.8
108.0	17.756	36.337	26.373	38.9	4.6	-18.8	19.4	166.3
109.0	17.515	36.241	26.359	37.2	4.8	-18.0	18.6	164.9
110.0	17.243	36.327	26.491	36.3	3.3	-20.9	20.8	170.8
111.0	17.079	36.366	26.561	36.5	1.3	-23.1	23.1	176.7
112.0	17.041	36.388	26.548	37.2	2.4	-19.4	19.5	172.9
113.0	16.964	36.326	26.557	37.5	2.1	-18.7	18.8	173.6
114.0	16.914	36.310	26.557	37.3	.6	-23.5	23.5	178.6
115.0	16.836	36.242	26.511	37.2	-.4	-22.8	22.8	180.9
116.0	16.607	36.197	26.543	36.9	1.7	-19.3	19.4	175.0
117.0	16.065	36.323	26.767	38.2	-.8	-19.3	19.4	182.3
118.0	15.686	36.302	26.838	40.6	-.3	-17.8	17.8	181.0
119.0	15.409	36.282	26.840	41.6	-1.9	-16.7	16.8	184.4
120.0	15.532	36.188	26.747	42.7	-3.5	-15.6	15.9	192.5
121.0	15.349	36.123	26.777	42.6	-3.0	-16.9	17.1	190.2
122.0	15.252	36.121	26.797	42.5	-1.0	-12.9	12.9	184.6
123.0	15.205	36.113	26.801	42.1	-.9	-16.3	16.3	183.2

Station: 1W
 Cruise : 80-BS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 50.25 N
 Longitude 93 47.43 W
 Time: Year Day Hour Minute
 1980 297 0 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
124.0	15.181	36.072	26.775	41.4	.2	-19.0	19.0	179.3
125.0	15.170	36.057	26.766	41.7	-1.6	-15.8	15.9	185.9
126.0	15.162	36.115	26.812	41.7	-3.0	-19.9	20.1	188.7
127.0	15.158	36.067	26.776	41.7	-1.2	-16.0	16.1	184.2
128.0	15.146	36.129	26.827	40.7	-2.5	-18.9	19.0	187.6
129.0	15.119	36.059	26.779	40.0	-3.4	-20.5	20.8	189.5

Station: 2W
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.32 N
 Longitude 93 47.34 W
 Time: Year Day Hour Minute
 1980 298 3 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.113	35.911	23.388	56.3	53.9	28.9	61.1	61.8
3.0	27.104	35.917	23.395	56.1	57.7	23.3	62.2	68.0
4.0	27.096	35.919	23.400	55.9	61.5	17.7	64.0	74.0
5.0	27.098	35.910	23.392	56.2	70.3	16.7	72.3	74.6
6.0	27.094	35.911	23.395	56.4	62.8	17.4	65.2	74.5
7.0	27.104	35.896	23.380	56.1	64.8	17.1	67.1	75.2
8.0	27.080	35.913	23.401	56.0	62.8	19.7	65.8	72.6
9.0	27.090	35.907	23.393	56.1	49.1	24.6	55.0	63.4
10.0	27.084	35.908	23.396	55.5	49.1	19.1	52.7	68.7
11.0	27.088	35.905	23.392	55.5	55.1	14.9	57.1	74.9
12.0	27.083	35.901	23.391	55.4	54.9	14.7	56.3	74.9
13.0	27.075	35.908	23.398	55.5	58.0	14.7	59.9	75.8
14.0	27.070	35.957	23.437	55.3	53.6	12.6	55.0	76.8
15.0	27.129	35.931	23.399	55.5	50.9	12.3	52.4	76.4
16.0	27.134	35.950	23.411	55.8	48.7	12.8	50.3	75.3
17.0	27.119	35.999	23.452	55.7	50.5	12.0	51.9	76.7
18.0	27.172	35.977	23.419	54.0	51.5	12.9	53.1	75.9
19.0	27.206	35.994	23.421	54.5	43.1	9.8	44.2	77.2
20.0	27.224	36.007	23.425	55.2	51.0	11.7	52.4	77.1
21.0	27.235	36.017	23.429	54.3	48.9	12.5	50.5	75.7
22.0	27.246	36.024	23.431	54.3	49.9	13.8	51.8	74.5
23.0	27.248	36.053	23.452	53.6	47.4	14.1	49.5	73.4
24.0	27.250	36.065	23.461	54.1	47.3	12.8	49.0	74.9
25.0	27.257	36.062	23.456	53.9	44.3	17.0	47.4	69.0
26.0	27.260	36.066	23.458	53.4	45.8	15.5	48.4	71.3
27.0	27.261	36.067	23.458	53.7	49.5	14.7	51.6	73.5
28.0	27.257	36.072	23.463	53.6	47.2	12.6	48.8	75.0
29.0	27.255	36.074	23.466	53.3	46.5	13.2	48.4	74.1
30.0	27.252	36.098	23.484	53.4	47.1	13.1	48.9	74.5
31.0	27.249	36.106	23.491	53.5	47.3	12.9	49.5	74.9
32.0	27.239	36.103	23.493	53.1	46.6	10.6	47.8	77.2
33.0	27.210	36.127	23.520	53.0	48.9	11.0	50.1	77.4
34.0	27.200	36.134	23.529	53.2	48.8	13.6	50.7	74.4
35.0	27.183	36.148	23.545	52.4	49.0	12.0	50.4	76.2
36.0	27.161	36.155	23.557	52.0	51.6	12.0	52.7	76.8
37.0	27.146	36.173	23.575	52.5	54.6	15.3	56.7	74.4
38.0	27.156	36.182	23.579	52.3	53.5	13.6	55.2	75.7
39.0	27.148	36.170	23.572	52.0	52.3	12.6	53.3	76.5
40.0	27.127	36.182	23.588	51.9	54.4	13.4	56.0	76.2
41.0	27.107	36.192	23.602	51.7	54.0	13.0	55.6	76.4
42.0	27.106	36.184	23.597	51.7	55.3	13.8	57.0	76.0
43.0	27.106	36.187	23.598	52.0	54.3	15.9	56.6	73.7
44.0	27.107	36.191	23.556	51.4	53.9	16.4	55.7	72.9
45.0	27.051	36.121	23.566	51.3	55.9	12.9	57.4	77.0
46.0	26.901	36.183	23.661	51.0	56.3	11.7	57.5	78.3
47.0	26.751	36.219	23.736	50.7	56.3	10.5	57.7	79.5
48.0	26.601	36.193	23.764	50.3	57.2	9.3	57.9	80.8
49.0	26.288	36.274	23.924	50.1	56.3	8.2	57.4	81.8
50.0	25.975	36.340	24.104	49.7	55.2	7.8	55.7	81.9
51.0	25.646	36.313	24.158	49.7	53.1	7.7	53.6	81.7
52.0	25.350	36.342	24.268	49.3	52.2	9.0	53.0	80.2
53.0	25.185	36.394	24.358	49.3	51.1	8.5	51.8	80.6
54.0	24.988	36.441	24.454	49.0	50.8	6.9	51.2	82.2
55.0	24.903	36.323	24.394	48.5	50.1	7.7	50.7	81.3
56.0	24.788	36.293	24.403	48.2	48.0	6.9	48.5	81.8
57.0	24.601	36.182	24.376	48.4	44.5	6.1	44.9	82.3
58.0	24.354	36.244	24.497	47.6	43.3	6.4	43.8	81.6
59.0	24.104	36.235	24.565	47.6	43.6	6.2	44.0	81.9
60.0	23.926	36.530	24.871	48.1	44.4	6.3	44.8	81.9
61.0	23.725	36.430	24.825	48.4	44.6	5.2	44.9	83.4

Station: 2W
 Cruise : 80-B8-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.32 N
 Longitude 93 47.34 W
 Time: Year Day Hour Minute
 1980 298 3 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	23.499	36.433	24.893	47.8	40.4	7.5	41.1	79.6
63.0	23.426	36.342	24.846	47.6	39.1	6.5	39.6	80.5
64.0	23.353	36.338	24.864	47.4	37.7	5.6	38.1	81.6
65.0	23.310	36.322	24.865	46.8	36.2	4.9	36.5	82.3
66.0	23.271	36.303	24.862	46.7	34.9	3.3	35.3	81.4
67.0	23.190	36.318	24.897	46.4	33.4	5.8	33.9	80.2
68.0	23.109	36.386	24.972	46.1	32.0	6.3	32.6	79.8
69.0	23.046	36.320	24.940	46.0	30.3	7.7	31.3	75.8
70.0	22.986	36.319	24.957	46.3	29.2	6.8	29.9	76.8
71.0	22.897	36.309	24.975	45.4	30.4	10.6	32.2	70.7
72.0	22.816	36.299	24.991	46.0	29.3	9.8	30.9	71.5
73.0	22.465	36.274	25.072	46.2	28.2	14.3	31.6	63.0
74.0	21.908	36.419	25.340	45.2	23.8	11.2	26.3	64.8
75.0	21.414	36.469	25.516	45.5	25.2	11.6	27.7	65.3
76.0	21.160	36.411	25.542	45.0	24.6	4.5	25.0	79.7
77.0	21.005	36.269	25.477	43.8	22.9	5.8	23.6	75.3
78.0	20.750	36.212	25.503	43.6	20.9	7.5	22.2	70.2
79.0	20.495	36.274	25.618	43.3	18.8	9.9	20.9	64.0
80.0	20.239	36.336	25.734	43.0	16.8	10.9	20.0	57.0
81.0	20.125	36.390	25.806	43.3	15.9	10.5	19.1	56.5
82.0	20.011	36.425	25.863	43.6	15.0	10.2	18.1	55.9
83.0	19.892	36.330	25.823	43.2	14.5	11.3	18.4	52.2
84.0	19.661	36.302	25.861	42.7	11.8	10.8	16.0	47.6
85.0	19.344	36.385	26.008	41.1	11.8	7.3	13.9	53.1
86.0	19.145	36.471	26.125	41.3	11.7	8.1	14.2	55.4
87.0	19.128	36.417	26.088	40.7	12.5	7.2	14.4	60.2
88.0	19.051	36.399	26.094	40.3	13.4	7.3	15.3	61.4
89.0	18.988	36.366	26.085	39.9	13.5	8.2	15.8	53.3
90.0	18.921	36.348	26.089	39.6	14.7	10.0	17.8	55.9
91.0	18.879	36.366	26.113	38.2	14.5	8.9	17.0	53.6
92.0	18.836	36.362	26.121	39.6	14.6	8.8	17.1	58.9
93.0	18.802	36.431	26.183	38.9	11.5	8.2	14.1	54.6
94.0	18.730	36.454	26.219	38.4	10.7	5.9	12.2	61.3
95.0	18.628	36.504	26.282	38.3	10.5	4.9	11.6	65.0

Station: 3W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 50.09 N
 Longitude 93 52.64 W
 Time: Year Day Hour Minute
 1980 298 0 25

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	27.406	36.160	23.481	55.6	44.8	-42.2	61.6	133.3
4.0	27.414	36.156	23.476	55.4	47.6	-34.1	58.6	125.6
5.0	27.414	36.157	23.477	55.9	55.8	-27.7	62.3	116.4
6.0	27.414	36.159	23.478	55.2	55.4	-31.4	63.7	119.6
7.0	27.411	36.157	23.477	55.0	52.8	-26.9	59.3	116.9
8.0	27.400	36.162	23.485	55.1	51.5	-24.7	57.1	115.6
9.0	27.368	36.167	23.499	55.2	52.9	-24.2	58.2	114.6
10.0	27.331	36.185	23.524	55.1	54.1	-23.9	59.2	113.9
11.0	27.315	36.180	23.526	54.1	56.0	-23.0	60.5	112.3
12.0	27.293	36.182	23.534	55.0	58.6	-22.0	62.6	110.5
13.0	27.241	36.209	23.571	54.6	49.1	-24.9	51.6	118.9
14.0	27.221	36.233	23.596	53.8	49.1	-24.1	54.7	116.1
15.0	27.215	36.228	23.594	53.3	58.3	-21.2	62.0	109.9
16.0	27.214	36.203	23.576	53.5	58.9	-21.1	62.5	109.7
17.0	27.213	36.197	23.571	53.7	59.5	-21.0	63.1	109.4
18.0	27.211	36.195	23.571	53.5	58.8	-20.7	62.4	109.4
19.0	27.210	36.194	23.570	53.5	59.5	-21.3	63.4	110.1
20.0	27.208	36.195	23.572	53.5	59.0	-19.1	62.0	107.9
21.0	27.207	36.194	23.571	53.0	59.1	-20.9	62.7	109.5
22.0	27.207	36.194	23.571	51.9	59.0	-22.2	63.1	110.6
23.0	27.207	36.195	23.572	52.6	60.0	-20.8	63.5	109.1
24.0	27.207	36.194	23.572	52.3	47.4	-26.4	54.3	119.1
25.0	27.206	36.195	23.572	52.3	59.5	-20.0	62.8	108.6
26.0	27.206	36.194	23.572	52.1	58.6	-20.5	62.1	109.3
27.0	27.205	36.194	23.572	52.7	60.4	-20.8	63.9	109.0
28.0	27.203	36.194	23.573	51.8	57.5	-20.1	60.9	109.3
29.0	27.200	36.195	23.575	52.0	59.1	-21.1	62.7	109.6
30.0	27.194	36.199	23.579	51.3	56.4	-19.4	59.6	109.0
31.0	27.186	36.202	23.584	51.1	56.3	-19.0	59.4	108.7
32.0	27.183	36.204	23.586	52.3	57.3	-18.3	60.2	107.7
33.0	27.183	36.205	23.588	51.3	54.9	-17.6	57.7	107.8
34.0	27.181	36.202	23.586	51.2	54.8	-18.1	57.8	108.3
35.0	27.179	36.208	23.591	51.2	54.8	-18.7	57.9	108.8
36.0	27.177	36.209	23.592	51.2	54.7	-19.2	58.0	109.4
37.0	27.171	36.208	23.594	51.2	53.9	-17.2	56.6	107.7
38.0	27.165	36.214	23.600	51.1	53.2	-15.1	55.3	105.9
39.0	27.162	36.220	23.605	50.0	51.6	-16.3	54.2	107.5
40.0	27.164	36.223	23.607	49.9	51.6	-15.1	53.7	106.4
41.0	27.167	36.224	23.607	49.8	54.1	-13.3	55.8	103.8
42.0	27.174	36.228	23.608	49.4	51.0	-12.3	52.5	103.6
43.0	27.185	36.232	23.607	49.5	53.3	-11.8	54.6	102.4
44.0	27.182	36.235	23.610	50.4	53.1	-10.0	54.0	100.6
45.0	27.176	36.237	23.614	49.5	50.9	-10.4	51.9	101.6
46.0	27.166	36.238	23.617	49.5	50.8	-10.1	51.8	101.2
47.0	27.155	36.235	23.619	49.6	50.7	-9.7	51.7	100.9
48.0	27.127	36.241	23.633	49.0	50.4	-7.8	51.0	98.8
49.0	27.091	36.253	23.653	49.3	54.4	-6.8	54.8	97.1
50.0	27.068	36.254	23.661	49.2	53.7	-7.1	54.2	97.5
51.0	27.046	36.268	23.679	49.0	53.1	-7.3	53.6	97.9
52.0	27.023	36.227	23.655	48.8	52.4	-7.6	52.9	98.2
53.0	26.969	36.051	23.540	49.4	54.5	-6.7	54.9	97.0
54.0	26.594	36.115	23.708	47.7	50.2	-9.2	51.0	100.4
55.0	26.162	36.250	23.946	48.0	49.6	-5.8	50.0	96.6
56.0	25.913	36.223	24.003	48.0	50.3	-8.3	51.1	99.9
57.0	25.521	36.327	24.204	48.1	48.3	-10.0	49.3	101.8
58.0	25.279	36.398	24.332	48.0	48.1	-8.7	48.9	100.3
59.0	25.206	36.331	24.304	47.4	46.6	-9.9	47.6	102.0
60.0	25.127	36.337	24.333	47.7	47.7	-9.9	48.8	101.7
61.0	25.053	36.333	24.352	46.8	47.8	-9.3	48.7	101.0
62.0	24.985	36.291	24.342	45.9	46.7	-9.7	47.7	101.7

Station: 3W
 Cruise : 80-RS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 50.09 N
 Longitude 93 52.64 W
 Time: Year Day Hour Minute
 1980 298 0 25

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
63.0	24.915	36.249	24.331	47.1	47.2	-9.8	48.2	101.8
64.0	24.771	36.165	24.311	46.0	46.1	-9.7	47.2	101.9
65.0	24.360	36.250	24.500	45.9	45.0	-10.0	46.1	102.6
66.0	24.054	36.300	24.629	45.9	44.4	-10.9	45.8	103.8
67.0	23.886	36.350	24.717	45.8	44.2	-10.9	45.6	103.9
68.0	23.718	36.264	24.701	45.7	44.0	-11.0	45.4	104.0
69.0	23.486	36.351	24.836	45.8	42.5	-10.0	43.7	103.9
70.0	23.291	36.282	24.840	45.6	42.6	-9.2	43.5	102.2
71.0	22.966	36.442	25.056	45.3	39.9	-9.3	41.0	103.2
72.0	22.838	36.433	25.086	45.0	37.1	-9.1	38.2	103.8
73.0	22.713	36.552	25.212	45.3	38.0	-8.8	39.0	103.0
74.0	22.635	36.421	25.136	44.7	35.8	-9.9	36.9	104.1
75.0	22.526	36.445	25.184	44.2	36.2	-8.9	37.2	102.9
76.0	22.269	36.519	25.314	43.5	33.3	-8.9	34.4	104.9
77.0	22.224	36.438	25.266	43.9	33.7	-9.0	34.9	104.9
78.0	22.198	36.392	25.238	43.9	33.0	-10.9	34.8	108.3
79.0	22.162	36.392	25.248	43.6	29.7	-9.8	31.9	109.9
80.0	22.109	36.402	25.271	44.1	30.7	-9.3	32.1	106.8
81.0	22.092	36.380	25.259	44.3	27.6	-8.7	28.9	107.6
82.0	22.016	36.409	25.302	44.2	26.3	-8.4	27.6	107.7
83.0	21.939	36.414	25.328	44.1	25.0	-8.0	26.2	107.9
84.0	21.863	36.359	25.307	44.0	23.7	-7.7	24.9	108.0
85.0	21.760	36.391	25.360	44.0	25.5	-7.2	26.5	105.9
86.0	21.718	36.286	25.292	43.4	19.6	-6.7	20.8	108.9
87.0	21.478	36.383	25.433	43.7	19.6	-6.6	20.6	108.6
88.0	21.283	36.387	25.490	43.0	18.3	-6.6	19.4	109.9
89.0	21.186	36.427	25.547	43.0	19.4	-6.6	20.4	107.9
90.0	21.154	36.424	25.553	42.2	16.1	-5.3	16.9	108.2
91.0	21.145	36.365	25.511	42.7	16.8	-5.3	17.6	107.1
92.0	21.071	36.366	25.532	42.6	15.5	-3.5	15.9	102.7
93.0	20.968	36.357	25.554	42.7	16.7	-5.1	17.5	107.1
94.0	20.859	36.385	25.605	42.6	12.0	-1.5	12.1	96.9
95.0	20.814	36.407	25.633	42.7	14.6	-1.3	14.6	95.2
96.0	20.780	36.410	25.645	42.6	15.3	-1.3	15.3	93.0
97.0	20.645	36.513	25.760	42.3	15.0	-3.9	15.5	104.4
98.0	20.378	36.449	25.784	41.8	13.6	-3.7	14.0	105.1
99.0	20.110	36.561	25.940	41.4	12.1	-3.5	12.6	106.0
100.0	19.941	36.668	26.067	41.3	10.6	-2.3	10.8	102.5
101.0	19.828	36.611	26.053	41.4	8.7	1.7	8.9	79.1
102.0	19.712	36.635	26.102	41.3	8.2	.6	8.2	85.7
103.0	19.640	36.598	26.093	41.0	8.5	1.1	8.6	82.8
104.0	19.394	36.449	26.044	39.6	8.3	1.2	8.4	81.4
105.0	19.226	36.323	25.993	38.8	9.9	2.6	9.7	74.3
106.0	19.014	36.437	26.133	37.0	9.2	3.8	9.9	67.5
107.0	18.729	36.438	26.207	36.5	10.4	4.6	11.4	66.1
108.0	18.455	36.442	26.279	34.4	9.0	2.9	9.5	72.2
109.0	18.105	36.445	26.369	33.8	10.3	2.8	10.7	74.7
110.0	18.010	36.450	26.397	34.0	7.3	4.0	8.4	61.2

Station: 4W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 53.78 N
 Longitude 93 51.94 W
 Time: Year Day Hour Minute
 1980 298 2 23

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
2.0	26.612	35.442	23.195	53.2	33.5	-29.2	44.4	131.1
3.0	26.670	35.525	23.239	53.2	39.7	-30.9	50.3	127.9
4.0	26.788	35.594	23.254	53.2	46.6	-27.7	54.2	120.7
5.0	26.926	35.612	23.223	53.4	39.0	-24.8	46.2	122.4
6.0	26.926	35.702	23.291	53.6	44.4	-22.4	49.7	116.8
7.0	26.952	35.772	23.335	53.8	43.9	-20.6	48.5	115.2
8.0	26.969	35.781	23.337	53.8	44.2	-19.7	48.4	114.0
9.0	26.986	35.812	23.359	53.8	44.5	-18.7	48.3	112.8
10.0	27.038	35.802	23.390	53.0	47.0	-21.1	51.9	114.2
11.0	27.000	35.815	23.352	52.7	43.7	-17.1	46.9	111.4
12.0	26.968	35.840	23.393	53.2	42.9	-16.7	46.1	111.3
13.0	26.982	35.831	23.370	53.4	41.8	-19.7	46.2	115.2
14.0	26.977	35.837	23.376	53.4	43.5	-20.9	48.3	115.6
15.0	26.975	35.842	23.381	53.2	42.2	-20.0	46.7	115.4
16.0	26.968	35.826	23.372	53.8	43.5	-22.9	49.1	117.7
17.0	26.940	35.823	23.378	53.1	43.4	-23.4	49.3	118.3
18.0	26.904	35.826	23.391	53.2	45.5	-21.9	50.9	115.7
19.0	26.900	35.825	23.392	52.9	46.8	-21.0	51.3	114.2
20.0	26.900	35.825	23.392	52.9	45.5	-22.8	50.5	116.5
21.0	26.902	35.824	23.390	52.4	46.5	-22.8	51.8	116.1
22.0	26.904	35.822	23.389	52.1	44.6	-24.9	51.1	119.2
23.0	26.900	35.822	23.389	52.4	45.6	-24.8	51.9	118.6
24.0	26.897	35.870	23.427	52.6	46.5	-24.9	52.7	118.0
25.0	26.916	35.893	23.434	52.0	43.6	-21.9	48.8	116.6
26.0	26.981	35.919	23.437	52.2	42.9	-23.4	48.9	119.9
27.0	27.042	35.941	23.434	52.5	44.1	-21.1	48.9	115.6
28.0	27.068	35.957	23.437	52.3	42.0	-20.5	46.7	116.0
29.0	27.112	35.953	23.420	52.3	41.7	-22.8	47.5	118.7
30.0	27.116	35.944	23.412	51.9	42.1	-17.7	45.7	112.9
31.0	27.095	35.942	23.418	52.2	39.9	-18.2	43.9	114.5
32.0	27.078	35.946	23.426	51.8	40.8	-19.5	44.8	115.8
33.0	27.060	35.959	23.441	52.4	40.7	-17.9	44.4	113.7
34.0	27.043	35.970	23.455	52.2	39.8	-18.0	43.7	114.4
35.0	27.045	35.970	23.455	52.2	39.8	-17.8	43.6	114.1
36.0	27.046	35.972	23.456	52.2	39.8	-17.6	43.5	113.8
37.0	27.060	35.977	23.471	51.5	39.8	-17.0	43.3	113.2
38.0	27.109	35.993	23.452	50.7	39.9	-20.4	43.3	118.0
39.0	27.120	36.002	23.455	50.0	38.1	-19.5	42.8	117.1
40.0	27.204	36.089	23.418	50.7	38.9	-18.5	43.1	115.5
41.0	27.260	36.045	23.442	50.1	38.2	-18.3	42.4	115.6
42.0	27.233	36.066	23.466	50.0	40.7	-16.2	43.8	111.8
43.0	27.108	36.143	23.565	50.2	41.7	-14.9	44.2	109.7
44.0	27.073	36.143	23.576	49.3	42.0	-15.0	44.6	109.6
45.0	27.022	36.148	23.596	49.5	42.0	-15.2	44.7	109.8
46.0	26.967	36.083	23.565	49.8	43.1	-14.7	45.5	108.9
47.0	26.837	35.975	23.509	49.1	41.4	-14.7	44.0	109.6
48.0	26.599	36.087	23.685	48.9	43.4	-13.0	45.3	106.7
49.0	26.233	36.183	23.873	48.5	42.7	-13.6	44.3	107.7
50.0	25.914	36.186	23.976	48.5	42.0	-14.2	44.3	108.7
51.0	25.600	36.269	24.136	48.0	41.1	-14.6	43.7	109.5
52.0	25.399	36.208	24.152	48.4	41.4	-13.0	43.4	107.4
53.0	25.160	36.116	24.156	48.1	41.8	-8.3	42.6	101.2
54.0	24.934	36.156	24.255	48.1	41.5	-7.4	42.2	100.1
55.0	24.729	36.250	24.389	48.1	37.7	-11.7	39.4	107.3
56.0	24.593	36.204	24.394	47.8	39.1	-10.7	40.5	105.2
57.0	24.431	36.155	24.407	47.8	41.4	-9.0	42.4	102.3
58.0	24.216	36.232	24.529	47.2	37.7	-6.0	38.2	99.1
59.0	24.031	36.243	24.573	47.4	40.3	-8.4	41.2	101.3
60.0	23.927	36.329	24.688	47.3	39.5	-7.2	40.1	100.3
61.0	23.773	36.305	24.716	47.1	38.7	-5.9	39.1	98.7

Station: 4W
 Cruise : 80-BS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 53.78 N
 Longitude 93 51.94 W
 Time: Year Day Hour Minute
 1980 298 2 23

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	23.729	36.247	24.685	47.3	38.5	-3.3	38.7	94.9
63.0	23.646	36.264	24.722	47.3	36.2	-4.0	36.4	96.3
64.0	23.631	36.217	24.692	47.1	34.5	-5.7	35.0	99.3
65.0	23.527	36.183	24.696	45.9	36.9	-6.6	37.5	100.2
66.0	23.327	36.266	24.818	46.6	37.1	-6.1	37.6	99.3
67.0	23.267	36.255	24.827	46.4	36.7	-5.6	37.1	98.7
68.0	23.199	36.187	24.795	45.7	35.7	-3.3	35.9	95.2
69.0	23.067	36.101	24.768	45.5	36.6	-2.9	36.7	94.5
70.0	22.712	36.228	24.967	45.8	36.3	-1.7	36.4	92.7
71.0	22.505	36.232	25.029	45.6	32.5	2.2	32.6	86.1
72.0	22.402	36.222	25.051	45.4	31.9	2.4	32.0	85.7
73.0	22.300	36.261	25.109	45.3	31.3	2.5	31.4	85.4
74.0	22.143	36.208	25.114	45.2	32.7	1.7	32.7	87.1
75.0	22.022	36.189	25.133	45.0	32.3	5.3	32.7	80.6
76.0	21.814	36.303	25.278	44.7	32.0	5.7	32.5	80.0
77.0	21.778	36.291	25.279	44.3	31.8	6.0	32.3	79.3
78.0	21.760	36.235	25.242	44.6	31.5	11.7	33.6	69.6
79.0	21.697	36.196	25.230	44.2	34.7	7.8	35.6	77.4
80.0	21.509	36.255	25.327	43.8	29.6	9.2	31.0	72.7
81.0	21.476	36.183	25.281	43.7	33.7	7.5	34.6	77.4
82.0	21.259	36.288	25.421	43.3	34.0	4.7	34.4	82.1
83.0	21.042	36.218	25.428	42.9	34.3	1.9	34.4	86.8
84.0	20.862	36.006	25.316	41.9	29.7	8.8	31.0	73.5
85.0	20.371	36.242	25.628	39.9	32.1	7.1	32.9	77.5
86.0	20.188	36.306	25.725	40.6	33.2	10.4	34.8	72.6
87.0	20.022	36.378	25.824	40.8	27.8	14.2	31.2	62.9
88.0	19.988	35.988	25.536	40.9	29.0	14.2	32.3	63.9
89.0	19.431	36.104	25.771	40.1	30.9	9.4	32.3	73.1
90.0	18.944	36.259	26.015	37.2	28.8	6.7	29.5	77.0
91.0	18.655	36.271	26.098	35.7	25.6	6.3	26.4	76.2
92.0	18.423	36.237	26.131	34.3	25.0	6.6	25.9	75.2
93.0	18.219	36.204	26.157	34.1	21.0	7.9	22.4	69.4
94.0	18.027	36.279	26.262	33.0	22.6	5.1	23.2	77.4
95.0	17.889	36.324	26.330	32.2	21.8	5.0	22.4	77.1
96.0	17.828	36.302	26.328	32.1	21.5	3.6	21.8	80.4
97.0	17.743	36.325	26.368	32.1	18.8	4.3	19.3	77.1
98.0	17.692	36.312	26.370	32.1	17.1	2.9	17.4	80.4
99.0	17.630	36.325	26.395	31.8	14.7	2.6	14.9	79.8
100.0	17.604	36.309	26.389	32.0	13.6	2.6	13.8	79.2
101.0	17.584	36.288	26.378	32.2	15.4	.8	15.4	87.1
102.0	17.550	36.278	26.378	32.2	14.8	.4	14.8	88.3
103.0	17.517	36.293	26.402	32.3	14.2	.1	14.2	89.7
104.0	17.484	36.297	26.409	32.6	11.6	-2.2	11.8	101.0
105.0	17.471	36.288	26.406	32.7	12.0	-1.0	12.0	94.6
106.0	17.451	36.281	26.405	32.2	14.0	-2.1	14.2	98.3
107.0	17.434	36.286	26.413	32.3	10.7	-1.3	10.7	96.7
108.0	17.428	36.220	26.364	32.8	11.9	-1.4	12.0	91.9
109.0	17.404	36.133	26.304	32.8	9.9	.3	9.9	85.4
110.0	17.166	36.276	26.471	33.8	15.7	-1.8	15.7	92.8
111.0	17.087	36.182	26.417	33.8	15.1	-2.0	15.2	97.7
112.0	16.875	36.141	26.436	35.0	6.0	-2.2	6.4	109.8
113.0	16.561	36.200	26.556	34.5	7.5	-2.5	7.9	108.2
114.0	16.155	36.205	26.655	32.7	10.7	-5.5	12.1	117.3
115.0	15.954	36.210	26.706	32.1	9.3	-6.0	11.1	122.9

Station: SW
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 59.39 N
 Longitude 93 49.59 W
 Time: Year Day Hour Minute
 1980 297 3 32

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	26.998	35.917	23.430	59.7	29.2	15.7	29.7	59.0
4.0	26.997	35.919	23.431	60.1	29.5	15.5	28.2	56.6
5.0	26.994	35.921	23.434	59.8	29.6	14.9	33.1	63.3
6.0	27.000	35.918	23.430	60.5	29.1	16.0	33.2	61.1
7.0	27.001	35.918	23.430	60.0	28.6	12.4	31.2	66.5
8.0	27.000	35.919	23.431	60.2	26.3	8.6	37.3	76.7
9.0	27.001	35.919	23.431	60.5	27.4	10.7	29.4	68.8
10.0	27.001	35.921	23.432	60.3	34.2	12.7	36.4	69.7
11.0	27.001	35.921	23.432	60.3	34.6	10.4	36.3	73.3
12.0	27.001	35.921	23.432	60.2	35.4	8.2	36.4	76.9
13.0	27.001	35.921	23.432	60.1	27.8	7.6	28.8	74.8
14.0	27.001	35.921	23.432	60.2	28.5	7.5	27.4	75.3
15.0	27.002	35.922	23.433	60.0	28.5	7.4	29.5	75.4
16.0	27.002	35.922	23.432	60.4	30.6	5.2	31.1	80.3
17.0	27.003	35.922	23.432	59.8	31.9	3.8	32.2	83.2
18.0	27.004	35.921	23.431	60.0	28.4	7.9	27.5	74.4
19.0	27.004	35.920	23.430	59.9	30.4	5.1	30.8	80.5
20.0	27.005	35.919	23.429	59.7	30.3	5.1	30.7	80.5
21.0	27.004	35.919	23.429	59.9	33.4	4.1	33.7	82.9
22.0	27.005	35.919	23.429	59.0	30.6	4.9	31.0	80.9
23.0	27.005	35.920	23.430	59.9	29.6	5.5	30.1	79.6
24.0	27.005	35.920	23.430	59.8	29.7	6.0	29.3	78.2
25.0	27.006	35.920	23.429	59.1	29.6	6.6	30.5	77.5
26.0	27.006	35.920	23.430	59.1	31.1	4.3	31.4	82.1
27.0	27.007	35.921	23.430	59.7	29.7	7.1	29.8	76.2
28.0	27.006	35.924	23.433	59.2	30.3	3.7	30.5	83.0
29.0	27.008	35.922	23.431	59.6	31.7	5.3	32.1	80.5
30.0	27.008	35.922	23.430	59.4	31.2	4.5	31.5	81.7
31.0	27.008	35.924	23.432	59.1	31.2	4.7	31.6	81.4
32.0	27.008	35.927	23.434	57.0	31.7	3.0	31.8	84.5
33.0	27.009	35.929	23.435	57.3	30.1	2.9	30.2	84.5
34.0	27.009	35.932	23.438	57.1	30.5	3.4	30.7	83.7
35.0	27.011	35.933	23.438	56.0	30.8	3.1	31.0	84.3
36.0	27.013	35.933	23.437	56.3	31.0	2.9	31.1	84.6
37.0	27.015	35.933	23.436	56.5	31.1	2.8	31.2	84.9
38.0	27.016	35.939	23.440	56.0	29.3	3.3	29.6	82.7
39.0	27.016	35.950	23.448	55.5	30.5	3.8	30.6	84.8
40.0	27.015	35.965	23.461	55.6	29.9	2.1	30.0	85.9
41.0	27.031	35.963	23.454	56.0	29.0	4.3	29.3	81.6
42.0	27.032	35.964	23.454	55.5	28.8	2.9	28.9	84.2
43.0	27.041	35.950	23.441	55.5	25.2	3.7	25.5	81.6
44.0	27.038	35.943	23.436	55.2	28.2	2.8	28.3	84.3
45.0	27.021	35.947	23.445	54.9	26.0	3.5	26.2	82.3
46.0	27.012	35.958	23.456	55.3	27.2	5.2	27.7	79.3
47.0	27.006	36.004	23.493	54.8	25.9	5.7	26.5	77.5
48.0	27.014	36.062	23.533	54.5	27.4	4.1	27.8	81.4
49.0	27.043	36.015	23.489	54.4	26.1	3.1	26.3	83.1
50.0	27.071	35.807	23.323	54.4	24.7	3.1	24.8	85.0
51.0	26.828	35.718	23.335	53.5	23.6	2.5	23.7	84.0
52.0	26.531	35.703	23.417	53.9	25.9	2.6	26.0	84.3
53.0	26.056	35.887	23.706	53.3	21.9	3.2	22.2	81.6
54.0	25.561	36.072	23.999	52.7	21.1	1.7	21.1	85.3
55.0	25.333	36.096	24.087	52.3	24.2	1.3	24.2	86.9
56.0	24.942	36.273	24.341	52.8	18.3	2.5	18.5	82.3
57.0	24.660	36.344	24.480	52.3	20.6	2.9	20.8	82.0
58.0	24.346	36.439	24.646	51.8	19.0	2.0	19.1	84.1
59.0	24.099	36.479	24.751	50.7	18.4	1.7	18.5	84.6
60.0	23.949	36.300	24.660	49.5	20.5	4.9	21.1	76.5
61.0	23.883	36.310	24.687	48.7	19.1	3.0	19.3	81.1
62.0	23.833	36.354	24.736	48.1	18.8	3.3	19.1	80.2

Station: 5W
 Cruise : 80-BS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 59.39 N
 Longitude 93 49.59 W
 Time: Year Day Hour Minute
 1980 297 3 32

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
63.0	23.783	36.257	24.677	47.5	18.5	3.5	18.9	79.2
64.0	23.738	36.130	24.594	46.5	19.6	2.1	19.7	84.0
65.0	23.378	36.084	24.665	45.0	17.0	1.5	17.0	85.0
66.0	22.836	35.987	24.749	43.8	15.8	4.1	16.3	75.4
67.0	22.376	35.879	24.798	42.5	17.1	3.7	17.5	77.7
68.0	21.600	36.211	25.268	40.6	18.8	.8	18.8	87.7
69.0	20.850	36.228	25.488	43.5	16.4	.7	16.4	87.4
70.0	20.240	35.978	25.462	46.8	15.0	-1.1	15.0	90.5
71.0	20.129	35.870	25.409	45.8	13.5	-1.3	13.5	91.3
72.0	19.472	35.790	25.521	45.8	12.1	-1.5	12.1	92.2
73.0	19.172	35.800	25.606	46.4	8.8	.9	8.9	84.1
74.0	18.774	35.810	25.716	46.9	6.0	.2	6.0	88.4
75.0	18.386	36.044	25.992	46.5	5.7	1.9	6.0	71.8
76.0	18.197	36.153	26.123	46.5	4.6	.3	4.7	80.5
77.0	17.987	36.160	26.181	41.2	6.6	1.4	6.7	78.1
78.0	17.863	36.250	26.280	34.2	4.7	1.4	4.9	73.9
79.0	17.853	36.200	26.244	32.0	4.5	3.8	5.9	49.6
80.0	17.825	36.250	26.290	30.1	5.7	5.6	8.0	45.8
81.0	17.786	36.155	26.227	28.7	6.6	5.8	8.8	48.5

Station: 6W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 55.14 N
 Longitude 93 49.13 W
 Time: Year Day Hour Minute
 1980 297 2 11

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	27.232	36.027	23.437	59.4	.3	1.5	1.5	11.9
2.0	27.234	36.028	23.438	60.8	-2.9	3.0	4.2	316.3
3.0	27.238	36.027	23.435	61.7	2.4	3.1	3.4	16.3
4.0	27.240	36.024	23.433	61.6	12.9	13.6	18.7	43.5
5.0	27.241	36.024	23.433	60.4	18.0	13.0	22.2	54.3
6.0	27.241	36.025	23.433	60.3	23.2	13.7	26.9	59.3
7.0	27.244	36.024	23.431	60.1	18.0	12.2	21.7	55.8
8.0	27.241	36.023	23.435	59.8	22.7	8.4	24.3	69.7
9.0	27.243	36.023	23.435	59.9	24.6	7.5	25.7	73.1
10.0	27.245	36.030	23.435	60.1	26.5	6.5	27.3	76.1
11.0	27.244	36.030	23.436	60.5	23.2	6.3	24.1	73.7
12.0	27.244	36.030	23.436	59.8	26.5	6.3	26.9	79.7
13.0	27.244	36.031	23.437	59.9	23.9	6.0	29.5	78.3
14.0	27.244	36.036	23.440	59.6	26.9	5.5	27.5	78.4
15.0	27.246	36.041	23.444	59.7	28.1	1.7	28.1	86.5
16.0	27.248	36.052	23.451	59.7	30.2	2.5	30.5	83.4
17.0	27.250	36.063	23.459	59.8	30.3	3.3	30.9	84.1
18.0	27.253	36.085	23.475	59.6	27.3	-1.5	27.3	81.1
19.0	27.253	36.105	23.489	59.6	29.3	3.3	29.7	89.4
20.0	27.254	36.120	23.501	59.6	31.5	1.2	31.6	87.3
21.0	27.257	36.133	23.509	59.6	34.6	-3.3	34.6	95.4
22.0	27.261	36.142	23.515	59.5	35.3	-3.3	35.5	96.2
23.0	27.265	36.143	23.514	59.4	36.1	-4.4	36.3	97.0
24.0	27.268	36.148	23.517	59.4	36.3	-5.0	37.1	97.7
25.0	27.270	36.152	23.519	59.6	36.4	-4.7	36.7	97.4
26.0	27.272	36.155	23.521	58.9	35.1	-3.3	35.3	95.4
27.0	27.276	36.156	23.521	58.1	34.6	-2.9	34.7	94.8
28.0	27.276	36.167	23.529	58.7	34.2	-1.1	34.2	91.3
29.0	27.280	36.168	23.523	58.3	35.0	-1.7	35.0	92.3
30.0	27.284	36.173	23.531	58.3	40.7	-4.0	40.9	95.7
31.0	27.285	36.177	23.533	58.1	37.4	-3.5	37.5	95.3
32.0	27.287	36.178	23.533	58.3	38.7	-2.7	38.8	94.0
33.0	27.286	36.180	23.536	58.1	37.3	-3.7	37.5	95.7
34.0	27.280	36.184	23.540	58.4	40.1	-1.3	40.1	92.6
35.0	27.278	36.182	23.539	57.9	34.7	.1	34.7	89.6
36.0	27.270	36.183	23.544	58.2	39.1	-2.6	39.2	93.3
37.0	27.268	36.190	23.548	57.1	41.1	-7.7	41.6	100.7
38.0	27.264	36.193	23.552	57.2	32.9	3.3	33.1	83.4
39.0	27.265	36.193	23.552	56.9	31.3	4.6	32.2	81.6
40.0	27.265	36.194	23.553	56.6	30.3	5.4	31.3	80.0
41.0	27.265	36.196	23.554	56.4	29.7	6.2	30.4	78.2
42.0	27.263	36.199	23.557	56.3	35.1	.6	35.1	89.1
43.0	27.266	36.201	23.557	56.5	33.3	-2.7	33.4	94.1
44.0	27.263	36.202	23.557	55.3	46.6	-14.6	48.9	107.4
45.0	27.268	36.200	23.556	56.2	42.3	-10.3	43.6	103.7
46.0	27.271	36.192	23.549	55.6	37.3	-4.5	37.5	97.0
47.0	27.262	36.195	23.554	56.0	33.0	2.1	33.1	86.3
48.0	27.247	36.183	23.550	55.3	24.9	11.0	27.2	63.3
49.0	27.230	36.169	23.545	55.3	26.7	9.2	26.2	70.9
50.0	27.192	36.162	23.552	55.3	31.3	-4.1	31.6	97.5
51.0	27.152	36.170	23.571	54.6	30.3	-4.0	30.6	97.5
52.0	27.104	36.142	23.565	54.6	33.0	-9.6	34.4	106.2
53.0	27.076	36.076	23.534	54.1	33.9	-15.6	37.3	114.7
54.0	27.041	36.015	23.490	53.5	36.0	-13.6	38.5	110.7

Station: 6W
 Cruise: 80-B5-1
 Ship: RALPH SEAL
 Position: Latitude 27 55.14 N
 Longitude 93 49.13 W
 Time: Year Day Hour Minute
 1980 297 2 11

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
1.0	27.232	36.027	23.437	59.4	.9	1.5	1.5	11.9
2.0	27.234	36.028	23.438	60.3	-2.9	3.0	4.2	216.2
3.0	27.238	36.027	23.435	61.7	2.4	9.1	9.4	16.3
4.0	27.240	36.024	23.433	61.6	12.9	13.6	18.7	43.5
5.0	27.241	36.024	23.433	60.4	18.0	19.0	26.2	54.3
6.0	27.241	36.025	23.433	60.3	23.2	13.7	26.9	59.3
7.0	27.244	36.024	23.431	60.1	18.0	12.2	21.7	55.8
8.0	27.241	36.023	23.435	59.8	22.7	8.4	24.3	69.7
9.0	27.243	36.023	23.435	59.9	24.6	7.5	25.7	73.1
10.0	27.245	36.030	23.435	60.1	26.5	7.5	27.3	76.1
11.0	27.244	36.030	23.436	60.5	23.2	6.6	24.1	73.7
12.0	27.244	36.030	23.436	59.8	26.5	4.3	26.9	79.7
13.0	27.244	36.031	23.437	59.6	29.9	6.0	30.9	78.9
14.0	27.244	36.036	23.440	59.6	26.9	5.5	27.5	78.4
15.0	27.246	36.041	23.444	59.7	28.1	1.7	28.1	86.5
16.0	27.248	36.052	23.451	59.7	30.3	3.5	30.5	83.4
17.0	27.250	36.063	23.459	59.8	30.6	9.0	30.9	84.1
18.0	27.253	36.083	23.475	59.6	27.3	-1.5	27.3	91.1
19.0	27.253	36.105	23.489	59.6	29.7	3.3	29.7	89.4
20.0	27.254	36.120	23.501	59.5	31.5	1.2	31.6	87.3
21.0	27.257	36.133	23.509	59.6	34.6	-3.3	34.6	95.4
22.0	27.261	36.142	23.515	59.5	35.3	-3.3	35.3	96.2
23.0	27.265	36.143	23.514	59.4	36.1	-4.4	36.3	97.0
24.0	27.268	36.148	23.517	59.3	36.3	-5.0	37.1	97.7
25.0	27.270	36.152	23.519	59.3	36.4	-4.7	36.7	97.4
26.0	27.272	36.155	23.521	59.9	35.1	-3.3	35.3	95.4
27.0	27.276	36.156	23.521	59.1	34.6	-2.9	34.7	94.8
28.0	27.276	36.167	23.529	58.7	32.2	-1.1	32.2	91.3
29.0	27.280	36.168	23.528	58.9	35.0	-1.7	35.0	92.8
30.0	27.284	36.173	23.531	58.3	40.7	-4.0	40.9	95.7
31.0	27.285	36.177	23.533	58.1	37.4	-3.5	37.5	95.9
32.0	27.287	36.178	23.533	58.3	38.7	-2.7	38.3	94.0
33.0	27.286	36.180	23.536	58.1	37.3	-3.7	37.5	95.7
34.0	27.280	36.184	23.540	58.4	40.1	-1.8	40.1	92.6
35.0	27.278	36.182	23.539	57.9	34.7	.1	34.7	89.8
36.0	27.270	36.188	23.546	58.2	39.1	-2.6	39.2	93.3
37.0	27.268	36.190	23.548	57.7	41.1	-7.7	41.1	100.7
38.0	27.264	36.193	23.552	57.2	32.9	3.6	33.1	83.4
39.0	27.265	36.193	23.552	56.9	31.8	4.6	32.2	81.8
40.0	27.265	36.194	23.553	56.6	30.3	5.4	31.3	80.0
41.0	27.265	36.196	23.554	56.4	29.7	6.2	30.4	78.2
42.0	27.263	36.199	23.557	56.3	35.1	.6	35.1	89.1
43.0	27.266	36.201	23.557	56.5	38.3	-2.7	38.4	94.1
44.0	27.268	36.202	23.557	56.8	46.6	-14.6	48.9	107.4
45.0	27.268	36.200	23.556	56.2	42.3	-10.3	43.6	103.7
46.0	27.271	36.192	23.549	55.6	37.3	-4.5	37.3	97.0
47.0	27.262	36.195	23.554	56.0	33.0	2.1	33.1	86.3
48.0	27.247	36.183	23.550	55.3	24.9	11.0	27.2	66.3
49.0	27.230	36.169	23.545	55.3	26.7	9.2	28.2	70.9
50.0	27.192	36.162	23.552	55.2	31.3	-4.1	31.6	97.5
51.0	27.152	36.170	23.571	54.6	30.3	-4.0	30.6	97.5
52.0	27.104	36.142	23.565	54.6	32.0	-9.6	34.4	106.2
53.0	27.076	36.076	23.524	54.1	33.9	-15.6	37.1	114.7
54.0	27.041	36.015	23.490	53.5	26.0	-13.6	33.3	110.7
55.0	26.667	36.149	23.710	53.2	34.3	-12.1	36.4	109.4
56.0	26.292	36.101	23.792	52.3	32.7	-10.5	34.3	107.3
57.0	25.918	36.038	23.863	52.5	31.0	-8.9	32.2	106.0
58.0	25.359	36.262	24.205	52.9	30.6	1.3	30.6	87.5
59.0	25.025	36.333	24.365	52.5	22.0	12.4	25.3	60.6
60.0	24.935	36.221	24.288	52.5	30.9	1.4	30.9	87.4

Station: 6W
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 55.14 N
 Longitude 93 49.13 W
 Time: Year Day Hour Minute
 1980 297 2 11

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	24.882	36.185	24.293	53.0	30.3	1.6	30.3	87.0
62.0	24.646	36.224	24.393	52.5	27.6	5.2	29.0	79.3
63.0	24.486	36.117	24.361	52.0	27.3	2.9	27.5	83.9
64.0	24.145	36.205	24.530	52.3	32.3	-3.9	32.5	96.9
65.0	23.876	36.272	24.661	52.5	33.0	-2.5	33.1	94.3
66.0	23.771	36.144	24.595	51.9	28.4	.1	28.4	89.9
67.0	23.567	36.202	24.639	52.0	26.1	4.3	26.4	80.6
68.0	23.409	36.236	24.771	51.9	26.2	3.6	26.5	82.3
69.0	23.351	36.171	24.738	51.4	24.7	3.0	25.2	78.6
70.0	23.150	36.223	24.837	50.7	25.0	3.1	26.3	72.0
71.0	23.008	36.259	24.905	50.6	27.0	6.8	27.9	75.9
72.0	22.866	36.254	24.943	50.5	29.1	5.4	29.6	79.5
73.0	22.724	36.206	24.946	50.4	31.2	4.0	31.4	82.6
74.0	22.627	36.187	24.960	50.6	36.6	-1.6	36.6	91.0
75.0	22.536	36.150	24.958	50.4	31.3	10.0	32.9	72.3
76.0	22.334	36.260	25.099	50.3	32.8	9.4	34.1	74.0
77.0	22.256	36.229	25.098	50.2	32.8	12.0	34.9	69.9
78.0	22.170	36.170	25.077	50.5	22.6	16.0	27.7	54.3
79.0	22.109	36.000	24.966	49.6	24.4	15.6	28.9	57.4
80.0	21.371	36.001	25.172	46.6	21.0	13.2	24.8	57.9
81.0	20.642	36.029	25.323	44.7	27.8	8.1	28.9	73.3
82.0	19.917	36.385	25.657	41.9	33.4	3.3	33.5	84.3
83.0	19.637	36.395	25.939	41.2	23.3	8.3	24.9	70.4
84.0	19.544	36.400	25.967	40.7	14.3	14.6	20.4	44.4
85.0	19.506	36.415	25.989	40.1	13.7	13.2	22.9	54.6
86.0	19.453	36.382	25.977	40.0	25.8	7.2	26.3	74.3
87.0	19.385	36.348	25.969	39.4	26.8	6.2	27.5	76.9
88.0	19.316	36.263	25.922	38.7	27.7	5.3	28.2	79.3
89.0	19.248	36.174	25.872	39.2	15.6	11.4	19.4	53.6
90.0	18.956	36.309	26.050	39.1	13.7	11.8	18.1	49.3
91.0	18.773	36.369	26.142	37.2	13.8	8.4	16.1	58.6
92.0	18.582	36.333	26.164	35.3	16.7	4.4	17.3	75.3
93.0	18.458	36.325	26.189	36.5	19.5	1.0	19.5	87.2
94.0	18.206	36.438	26.339	36.9	14.3	3.0	14.6	78.2
95.0	17.848	36.476	26.457	37.7	10.1	1.5	10.2	81.5
96.0	17.773	36.388	26.407	37.7	8.6	5.3	10.1	58.4
97.0	17.764	36.326	26.363	38.8	10.4	4.5	11.3	66.6
98.0	17.529	36.474	26.534	40.1	20.5	-3.0	22.0	111.3
99.0	17.418	36.423	26.522	39.6	14.2	-3.5	14.7	104.0
100.0	17.373	36.313	26.449	37.0	13.2	-4.2	13.9	107.6
101.0	17.248	36.303	26.471	40.3	-1.6	7.0	7.0	355.5
102.0	17.083	36.360	26.554	40.5	-1.6	7.2	7.4	347.9
103.0	17.048	36.313	26.528	40.6	-1.8	6.3	6.4	353.0
104.0	17.022	36.291	26.517	40.7	4.0	-2.0	4.5	116.1
105.0	16.969	36.200	26.459	40.3	9.2	-15.5	20.7	153.5
106.0	16.858	36.171	26.464	40.7	2.6	-3.6	9.0	163.4
107.0	16.470	36.175	26.559	40.7	-1.6	-2.3	3.4	190.3

Station: 7W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 53.17 N
 Longitude 93 43.84 W
 Time: Year Day Hour Minute
 1980 297 1 22

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.221	35.994	23.417	61.3	29.3	-15.7	33.3	118.2
3.0	27.220	35.997	23.418	61.3	30.3	-17.9	35.2	120.6
4.0	27.216	36.008	23.429	60.7	30.9	-17.5	35.5	119.5
5.0	27.220	36.011	23.429	61.0	31.2	-15.9	35.0	117.0
6.0	27.230	36.005	23.421	60.6	30.9	-16.4	35.0	117.9
7.0	27.233	36.007	23.422	59.9	33.4	-16.4	37.2	116.1
8.0	27.233	36.009	23.424	59.9	35.3	-16.8	39.1	115.5
9.0	27.236	36.010	23.423	59.9	32.3	-16.9	36.5	117.6
10.0	27.235	36.014	23.426	60.1	34.1	-16.4	37.9	115.7
11.0	27.237	36.016	23.428	60.1	34.5	-15.0	37.6	113.5
12.0	27.237	36.019	23.430	59.5	33.8	-14.3	36.7	112.9
13.0	27.235	36.022	23.432	59.8	34.4	-13.7	37.0	111.8
14.0	27.235	36.027	23.437	59.9	34.7	-12.7	37.0	110.0
15.0	27.237	36.037	23.444	60.0	34.6	-10.8	36.2	107.3
16.0	27.238	36.051	23.453	59.4	37.4	-12.4	39.4	109.4
17.0	27.240	36.073	23.469	59.4	39.4	-11.3	41.0	105.9
18.0	27.247	36.098	23.486	59.7	39.8	-11.0	41.3	105.5
19.0	27.263	36.113	23.492	59.1	41.4	-12.1	43.1	106.4
20.0	27.272	36.131	23.503	60.0	41.2	-11.7	42.8	105.8
21.0	27.283	36.140	23.504	60.2	39.9	-8.3	40.7	101.8
22.0	27.295	36.154	23.513	60.0	43.6	-9.9	44.7	102.8
23.0	27.300	36.159	23.515	60.2	44.2	-10.6	45.4	103.5
24.0	27.298	36.163	23.518	59.5	44.9	-11.0	46.3	103.7
25.0	27.288	36.168	23.526	60.2	44.6	-11.5	46.1	104.4
26.0	27.281	36.170	23.529	59.0	46.6	-12.2	48.2	104.7
27.0	27.271	36.175	23.536	59.1	47.2	-12.0	48.7	104.3
28.0	27.260	36.179	23.543	59.2	47.9	-11.8	49.3	103.8
29.0	27.254	36.182	23.547	59.4	48.9	-11.9	50.4	103.6
30.0	27.251	36.182	23.548	59.8	48.4	-11.8	49.8	103.7
31.0	27.251	36.181	23.547	58.7	47.2	-11.5	48.5	103.7
32.0	27.250	36.183	23.549	59.5	46.9	-11.7	48.4	104.0
33.0	27.250	36.182	23.548	58.8	46.7	-11.6	48.1	103.9
34.0	27.249	36.182	23.548	58.6	46.8	-10.5	48.0	102.6
35.0	27.248	36.183	23.550	57.9	48.2	-11.9	49.7	103.8
36.0	27.245	36.193	23.558	58.2	48.6	-12.1	50.0	104.0
37.0	27.237	36.210	23.574	58.1	47.6	-12.6	49.3	104.8
38.0	27.222	36.226	23.591	58.0	46.3	-13.1	48.1	105.8
39.0	27.206	36.232	23.601	57.9	44.9	-13.5	46.9	106.7
40.0	27.199	36.235	23.604	58.1	42.9	-12.8	44.6	106.0
41.0	27.194	36.237	23.608	57.1	42.6	-12.8	44.5	106.8
42.0	27.192	36.236	23.608	56.3	41.1	-12.6	43.0	107.0
43.0	27.190	36.234	23.607	56.0	39.3	-13.2	41.9	108.3
44.0	27.186	36.236	23.610	55.5	40.8	-13.5	42.9	108.8
45.0	27.185	36.233	23.608	55.7	39.7	-14.4	42.2	109.9
46.0	27.184	36.234	23.609	55.6	39.9	-12.9	41.9	107.9
47.0	27.183	36.229	23.606	55.3	40.5	-12.5	42.4	107.2
48.0	27.166	36.225	23.608	55.4	39.2	-12.9	41.3	108.2
49.0	27.136	36.226	23.618	54.6	37.9	-9.3	39.0	103.8
50.0	27.090	36.147	23.574	54.8	37.7	-13.9	40.2	110.2
51.0	26.848	36.130	23.638	53.8	37.1	-10.4	38.6	105.7
52.0	26.437	36.228	23.842	53.7	35.6	-6.7	36.2	100.7
53.0	26.119	36.269	23.974	53.4	35.9	-7.2	36.6	101.3
54.0	25.802	36.362	24.143	53.1	36.1	-7.6	36.9	101.9
55.0	25.737	36.324	24.135	53.3	36.6	-6.0	37.1	99.3
56.0	25.574	36.306	24.172	52.9	37.1	-5.1	37.5	97.9
57.0	25.468	36.284	24.188	53.3	38.2	-5.6	38.6	98.3
58.0	25.293	36.302	24.255	53.6	36.2	-6.1	36.7	99.5
59.0	25.145	36.307	24.304	53.2	34.5	-5.2	34.8	98.6
60.0	25.017	36.291	24.332	52.9	33.8	-7.1	34.6	101.9
61.0	24.905	36.281	24.359	52.7	33.3	-6.7	34.0	101.4

Station: 7W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 53.17 N
 Longitude 93 48.84 W
 Time: Year Day Hour Minute
 1980 297 1 22

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	24.729	36.330	24.449	52.4	33.5	-5.5	33.9	99.4
63.0	24.667	36.309	24.452	51.9	33.1	-5.5	33.6	99.5
64.0	24.620	36.304	24.462	52.5	31.5	-5.3	31.9	99.6
65.0	24.534	36.316	24.497	52.1	30.4	-5.8	30.9	100.8
66.0	24.420	36.346	24.554	51.8	28.8	-2.5	28.9	94.9
67.0	24.327	36.359	24.592	50.7	27.6	-3.7	27.9	97.5
68.0	24.321	36.302	24.550	50.7	27.6	-2.9	27.8	95.9
69.0	24.315	36.284	24.539	50.7	27.6	-2.1	27.7	94.3
70.0	24.309	36.280	24.537	50.7	27.6	-1.3	27.6	92.6
71.0	24.296	36.279	24.541	50.5	27.0	-1.5	27.0	91.1
72.0	24.282	36.274	24.541	52.0	25.4	-1.4	25.5	93.1
73.0	24.266	36.284	24.553	50.8	25.5	-1.8	25.5	91.7
74.0	24.229	36.145	24.459	50.4	25.5	-1.3	25.6	92.9
75.0	23.977	36.100	24.501	50.6	28.3	-2.2	28.4	94.4
76.0	23.480	36.232	24.747	50.0	24.4	-2.5	24.5	96.5
77.0	23.227	36.278	24.856	49.4	22.8	-3.0	23.0	97.6
78.0	23.071	36.228	24.863	48.9	20.5	-2.9	20.7	98.0
79.0	22.829	36.285	24.976	48.4	18.2	-1.8	18.3	95.7
80.0	22.782	36.429	25.099	48.2	17.8	-1.1	17.8	90.2
81.0	22.772	36.305	25.008	48.0	19.3	.9	19.4	87.4

Station: SW
 Cruise : BLM SUB
 Ship : BALTIC SEAL
 Position: Latitude 27 51.89 N
 Longitude 93 48.29 W
 Time: Year Day Hour Minute
 1980 296 1 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.324	36.052	23.426	50.3	17.4	-7.8	19.1	114.0
3.0	27.323	36.052	23.427	49.9	15.4	-5.6	16.4	110.2
4.0	27.327	36.050	23.424	49.9	22.4	-14.7	26.9	123.2
5.0	27.326	36.051	23.425	49.7	14.5	-26.0	29.7	150.9
6.0	27.328	36.050	23.424	49.9	23.7	-6.5	24.6	105.2
7.0	27.328	36.051	23.424	49.3	23.1	-7.8	24.4	108.7
8.0	27.330	36.050	23.423	49.7	15.3	-9.2	17.9	120.9
9.0	27.332	36.049	23.422	49.9	20.0	-8.5	21.8	112.9
10.0	27.335	36.050	23.421	50.1	24.7	-7.7	25.9	107.3
11.0	27.337	36.049	23.420	49.6	25.8	-7.7	26.9	106.7
12.0	27.338	36.048	23.419	49.4	23.5	-8.6	24.8	110.2
13.0	27.337	36.049	23.420	50.0	23.5	-7.3	24.6	107.3
14.0	27.338	36.049	23.420	50.1	23.5	-10.8	25.8	114.6
15.0	27.336	36.049	23.420	48.7	23.8	-8.2	25.2	109.1
16.0	27.336	36.049	23.420	49.3	23.7	-6.6	24.6	105.7
17.0	27.335	36.048	23.420	49.4	24.8	-6.5	25.6	104.8
18.0	27.332	36.050	23.422	49.3	26.6	-6.9	27.5	104.5
19.0	27.333	36.048	23.421	49.0	26.1	-6.4	26.9	103.8
20.0	27.332	36.049	23.422	48.9	27.2	-7.3	28.1	105.0
21.0	27.330	36.048	23.422	48.7	28.2	-8.1	29.4	106.1
22.0	27.330	36.047	23.421	48.2	25.9	-6.8	26.8	104.7
23.0	27.326	36.054	23.427	48.0	25.8	-6.2	26.5	103.5
24.0	27.327	36.053	23.426	48.1	26.9	-5.4	27.4	101.9
25.0	27.327	36.053	23.426	47.5	27.5	-4.8	27.9	100.0
26.0	27.327	36.053	23.427	47.3	27.8	-3.8	28.1	97.8
27.0	27.331	36.049	23.422	47.3	27.7	-4.4	28.1	99.0
28.0	27.329	36.049	23.423	47.8	27.9	-4.5	28.3	99.1
29.0	27.331	36.048	23.421	47.4	26.1	-3.9	26.4	98.5
30.0	27.327	36.051	23.425	46.8	27.7	-4.3	28.0	98.8
31.0	27.329	36.048	23.422	46.9	28.3	-4.3	28.6	98.6
32.0	27.332	36.051	23.424	47.0	28.9	-4.3	29.2	98.4
33.0	27.336	36.048	23.420	46.6	30.4	-5.7	30.9	100.7
34.0	27.340	36.049	23.419	46.9	30.4	-5.8	31.0	100.7
35.0	27.341	36.048	23.418	46.9	30.0	-6.0	30.6	101.4
36.0	27.341	36.048	23.418	46.1	28.7	-7.6	29.7	104.8
37.0	27.341	36.048	23.418	46.4	28.2	-7.2	29.1	104.3
38.0	27.341	36.048	23.418	46.2	29.8	-6.0	29.9	101.6
39.0	27.342	36.047	23.417	46.0	28.9	-6.3	29.6	102.2
40.0	27.342	36.047	23.417	46.0	31.2	-6.3	31.8	101.4
41.0	27.342	36.046	23.416	45.9	31.2	-6.4	31.8	101.7
42.0	27.342	36.039	23.411	45.7	31.1	-6.6	31.8	102.0
43.0	27.340	36.048	23.418	46.4	33.2	-6.6	33.8	101.2
44.0	27.340	36.050	23.420	45.6	32.7	-6.5	33.4	101.3
45.0	27.340	36.049	23.419	45.5	33.3	-6.3	33.9	100.7
46.0	27.342	36.048	23.418	45.7	33.8	-6.0	33.9	100.3
47.0	27.344	36.049	23.418	44.8	35.5	-6.0	36.0	99.6
48.0	27.344	36.047	23.417	44.6	32.9	-5.0	33.3	98.6
49.0	27.342	36.050	23.419	44.7	33.1	-5.4	33.5	99.4
50.0	27.342	36.050	23.419	44.2	35.3	-5.3	35.7	98.6
51.0	27.343	36.048	23.418	43.3	33.3	-4.3	33.6	97.4
52.0	27.344	36.048	23.418	44.0	34.5	-4.4	34.8	97.3
53.0	27.344	36.047	23.417	43.6	35.8	-3.7	36.0	95.9
54.0	27.340	36.042	23.414	43.4	38.0	-4.8	38.3	97.2
55.0	27.332	36.050	23.422	43.0	37.5	-7.5	38.2	101.3
56.0	27.328	36.050	23.424	42.3	37.5	-6.8	38.1	100.3
57.0	27.325	36.050	23.424	42.3	37.7	-7.3	38.4	100.9
58.0	27.308	36.054	23.433	41.9	38.7	-6.9	39.3	100.1
59.0	27.308	36.013	23.403	41.9	37.8	-6.1	38.3	99.2
60.0	27.193	36.055	23.471	41.8	34.8	-5.3	35.2	98.7
61.0	27.110	36.072	23.511	41.7	34.7	-5.3	35.1	98.6

Station: SW
 Cruise : BLM SUB
 Ship : BALTIC SEAL
 Position: Latitude 27 51.89 N
 Longitude 93 48.29 W
 Time: Year Day Hour Minute
 1980 296 1 12

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direc des
62.0	26.981	36.093	23.568	41.7	32.8	-4.9	33.2	98.4
63.0	26.877	36.117	23.619	41.4	32.5	-4.3	32.8	97.6
64.0	26.747	36.160	23.693	42.0	30.5	-1.6	30.5	92.9
65.0	26.642	36.167	23.731	41.7	31.3	-.1	31.3	90.1
66.0	26.537	36.105	23.718	41.5	32.1	1.4	32.2	87.5
67.0	26.393	36.170	23.813	41.2	37.2	-1.1	37.2	91.7
68.0	25.444	36.175	24.113	40.9	35.0	6.3	35.5	79.8
69.0	23.359	36.250	24.794	40.5	31.3	7.3	32.1	76.9
70.0	22.534	36.300	25.072	39.2	24.2	5.7	24.9	76.8
71.0	22.372	36.350	25.157	38.7	25.9	3.0	26.1	83.5
72.0	22.240	36.355	25.198	38.3	23.7	4.9	24.2	78.4
73.0	22.151	36.380	25.242	38.2	23.4	5.7	24.1	76.4
74.0	21.924	36.330	25.268	37.6	16.4	4.3	16.9	75.3
75.0	21.883	36.307	25.262	37.2	23.2	12.3	26.3	62.1
76.0	21.349	36.573	25.613	36.4	20.3	.6	20.3	88.4
77.0	21.175	36.438	25.559	36.7	19.0	.5	19.0	88.6
78.0	21.001	36.465	25.626	37.0	17.6	.4	17.6	88.7
79.0	20.901	36.374	25.585	37.2	16.1	-1.4	16.1	95.0
80.0	20.666	36.400	25.669	37.3	24.4	-1.2	24.4	92.8
81.0	20.228	36.405	25.790	36.6	3.8	-5.4	6.6	144.8
82.0	19.441	36.430	26.017	36.6	28.8	-15.0	32.5	117.5

Station: 10W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.25 N
 Longitude 93 51.18 W
 Time: Year Day Hour Minute
 1980 295 20 55

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.339	36.038	23.411	51.7	36.0	-43.8	56.7	140.6
3.0	27.333	36.040	23.415	51.7	26.7	-47.5	54.5	150.7
4.0	27.334	36.041	23.415	51.8	38.7	-48.2	61.8	141.3
5.0	27.340	36.037	23.410	52.1	46.6	-42.4	63.0	132.3
6.0	27.342	36.034	23.408	51.7	50.8	-37.8	63.3	126.4
7.0	27.341	36.036	23.409	51.3	52.6	-33.8	62.5	122.9
8.0	27.339	36.037	23.411	51.4	50.3	-31.7	59.4	122.2
9.0	27.340	36.037	23.410	51.6	48.0	-28.1	55.6	120.3
10.0	27.340	36.036	23.410	51.4	48.3	-28.0	55.8	120.2
11.0	27.340	36.036	23.409	51.2	48.5	-28.0	56.0	120.0
12.0	27.341	36.034	23.409	51.0	48.8	-28.0	56.2	119.9
13.0	27.341	36.036	23.409	51.0	49.6	-27.1	56.5	118.6
14.0	27.340	36.036	23.409	50.1	48.5	-25.2	54.4	117.5
15.0	27.339	36.037	23.411	50.7	50.6	-27.8	57.7	118.8
16.0	27.340	36.034	23.408	50.7	52.3	-24.8	58.8	117.2
17.0	27.340	36.034	23.408	50.9	51.5	-26.0	57.6	116.8
18.0	27.339	36.034	23.408	51.1	53.0	-24.8	58.5	119.1
19.0	27.340	36.035	23.409	50.6	53.5	-23.9	58.6	114.1
20.0	27.338	36.034	23.408	50.3	51.1	-24.2	56.6	115.3
21.0	27.339	36.035	23.409	50.2	53.4	-25.0	59.0	115.1
22.0	27.337	36.034	23.411	50.2	53.5	-24.5	59.7	116.3
23.0	27.338	36.035	23.410	49.8	52.0	-23.1	57.9	114.0
24.0	27.339	36.038	23.411	50.0	54.2	-23.4	59.0	113.4
25.0	27.340	36.036	23.409	49.9	47.0	-25.0	53.2	118.0
26.0	27.341	36.035	23.408	50.0	45.6	-21.3	50.4	115.0
27.0	27.339	36.036	23.409	50.1	53.0	-21.3	57.2	111.9
28.0	27.340	36.036	23.410	50.2	50.7	-20.7	54.8	113.2
29.0	27.341	36.034	23.407	50.1	50.5	-24.8	56.2	116.1
30.0	27.340	36.036	23.410	50.0	55.7	-23.8	60.5	113.1
31.0	27.340	36.033	23.407	49.8	45.2	-20.9	49.8	114.8
32.0	27.341	36.036	23.409	49.9	48.9	-21.8	53.5	114.1
33.0	27.340	36.037	23.410	49.5	44.0	-22.2	49.2	116.8
34.0	27.340	36.035	23.409	49.2	46.2	-21.2	50.9	114.7
35.0	27.340	36.034	23.408	48.6	48.1	-21.7	52.8	114.3
36.0	27.340	36.035	23.408	48.9	47.7	-21.6	52.4	114.4
37.0	27.340	36.035	23.408	48.7	46.9	-21.7	51.7	114.9
38.0	27.341	36.034	23.407	47.7	44.4	-21.3	49.2	115.6
39.0	27.341	36.034	23.408	47.6	45.5	-20.8	50.0	114.6
40.0	27.340	36.037	23.410	47.5	46.6	-20.3	50.8	113.6
41.0	27.339	36.038	23.411	47.7	44.8	-22.2	50.0	116.4
42.0	27.341	36.037	23.410	48.1	46.9	-21.1	51.4	114.2
43.0	27.342	36.037	23.409	48.3	46.4	-21.2	51.0	114.6
44.0	27.342	36.036	23.409	47.9	47.0	-21.6	51.7	114.6
45.0	27.342	36.037	23.410	48.1	45.5	-21.4	50.3	115.2
46.0	27.342	36.038	23.410	47.0	43.2	-20.5	47.9	115.4
47.0	27.340	36.037	23.410	47.1	48.2	-22.4	53.2	114.9
48.0	27.338	36.040	23.413	46.8	45.3	-21.0	49.9	114.9
49.0	27.339	36.040	23.413	46.3	45.2	-19.8	49.3	113.6
50.0	27.338	36.039	23.412	46.2	45.7	-19.3	49.6	112.9
51.0	27.337	36.004	23.387	46.2	46.2	-19.5	50.1	112.9
52.0	27.325	35.977	23.370	45.8	48.1	-18.1	51.4	110.6
53.0	27.034	36.097	23.554	45.3	47.5	-18.4	51.0	111.1
54.0	26.742	36.178	23.708	44.9	46.9	-18.6	50.5	111.7
55.0	26.500	36.213	23.812	45.0	44.5	-15.7	47.2	109.5
56.0	26.329	36.155	23.822	45.0	44.7	-19.5	48.7	113.6
57.0	25.948	36.245	24.009	45.3	45.7	-20.0	49.9	113.6
58.0	25.665	36.316	24.151	45.2	46.5	-19.1	50.3	112.3
59.0	25.489	36.192	24.112	45.5	46.5	-18.5	50.0	111.8
60.0	25.198	36.258	24.251	45.0	49.2	-18.6	52.6	110.7
61.0	25.108	36.326	24.330	45.5	49.3	-19.1	52.8	111.2

Station: 10W
 Cruise : 80-B3-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.25 N
 Longitude 93 51.18 W
 Time: Year Day Hour Minute
 1980 295 20 55

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	25.059	36.248	24.286	45.8	46.5	-18.4	50.0	111.7
63.0	25.011	36.234	24.290	45.1	44.1	-19.9	48.4	114.2
64.0	24.913	36.295	24.366	44.9	44.5	-20.1	48.9	114.3
65.0	24.875	36.227	24.327	44.7	42.8	-21.6	47.9	116.8
66.0	24.719	36.190	24.346	44.5	42.1	-24.0	48.5	119.7
67.0	24.445	36.189	24.428	44.2	43.1	-22.9	48.9	118.0
68.0	24.240	36.196	24.495	44.4	43.8	-22.9	49.4	117.6
69.0	23.962	36.297	24.654	44.6	40.8	-21.5	46.1	117.8
70.0	23.731	36.309	24.732	43.6	39.3	-22.7	45.4	120.0
71.0	23.682	36.300	24.739	43.3	38.1	-21.7	43.8	119.7
72.0	23.648	36.286	24.738	43.1	37.2	-20.6	42.6	119.0
73.0	23.532	36.310	24.791	42.8	37.1	-23.2	43.8	122.0
74.0	23.440	36.309	24.817	42.5	34.0	-23.0	41.0	124.1
75.0	23.394	36.342	24.856	42.2	29.4	-22.3	36.9	127.2
76.0	23.361	36.274	24.814	42.0	30.1	-26.6	40.2	131.4
77.0	23.312	36.312	24.857	42.3	27.1	-29.2	39.9	137.1
78.0	23.270	36.278	24.843	42.3	23.8	-29.9	38.2	141.6
79.0	23.226	36.237	24.825	41.7	20.8	-28.3	35.1	143.8
80.0	23.181	36.257	24.854	41.9	19.9	-27.6	34.0	144.2
81.0	23.076	36.361	24.963	41.5	19.0	-26.2	32.4	144.0
82.0	23.041	36.371	24.980	41.3	16.6	-24.9	29.9	146.2
83.0	23.040	36.274	24.907	40.5	16.8	-24.3	29.5	145.4

Station: 11W
 Cruise : 80-B8-1
 Ship : BALTIC SEAL
 Position: Latitude 27 52.15 N
 Longitude 93 49.81 W
 Time: Year Day Hour Minute
 1980 297 23 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	27.396	36.142	23.471	50.7	34.1	16.9	38.0	63.9
4.0	27.392	36.144	23.474	50.8	32.7	17.0	36.9	62.5
5.0	27.389	36.146	23.476	51.0	33.0	17.2	38.9	58.4
6.0	27.388	36.142	23.474	51.2	24.7	17.5	30.3	54.7
7.0	27.381	36.142	23.476	50.5	25.5	19.3	32.0	52.9
8.0	27.309	36.194	23.538	50.4	31.5	17.4	36.0	61.2
9.0	27.303	36.194	23.540	50.0	33.2	16.4	37.0	63.9
10.0	27.291	36.195	23.545	50.1	30.1	15.9	34.0	62.2
11.0	27.282	36.191	23.545	50.7	34.4	16.6	38.2	64.3
12.0	27.271	36.190	23.548	50.4	29.8	12.2	32.2	67.9
13.0	27.245	36.205	23.567	50.3	29.0	10.3	30.9	70.4
14.0	27.242	36.201	23.565	50.1	33.2	7.8	34.1	76.7
15.0	27.240	36.195	23.561	50.0	37.3	5.9	37.7	82.0
16.0	27.235	36.192	23.561	50.2	41.7	9.6	42.8	77.0
17.0	27.230	36.193	23.563	49.7	37.3	3.7	37.5	84.4
18.0	27.222	36.195	23.568	49.8	34.0	-3.2	34.1	95.3
19.0	27.218	36.196	23.569	49.6	34.5	-2.3	34.5	93.9
20.0	27.213	36.200	23.574	49.9	37.0	1.2	37.0	88.2
21.0	27.211	36.203	23.577	49.9	42.9	2.9	43.0	86.1
22.0	27.212	36.203	23.576	49.9	39.0	2.6	39.1	86.2
23.0	27.210	36.205	23.578	50.5	40.9	1.3	40.9	88.2
24.0	27.211	36.206	23.579	49.8	38.3	5.5	38.3	82.3
25.0	27.212	36.205	23.578	48.9	37.7	-2.1	37.9	93.2
26.0	27.211	36.203	23.577	48.9	38.1	-3.0	38.2	94.5
27.0	27.209	36.204	23.578	48.8	38.4	-4.0	38.6	95.9
28.0	27.206	36.207	23.582	49.1	38.2	-3.8	38.4	95.7
29.0	27.207	36.207	23.581	49.0	38.3	-3.6	38.4	95.4
30.0	27.208	36.207	23.581	49.5	39.3	-1.7	39.3	92.5
31.0	27.205	36.210	23.584	49.7	40.8	-2.2	40.9	93.1
32.0	27.207	36.208	23.582	48.9	41.4	-2.9	41.5	94.1
33.0	27.207	36.209	23.582	49.4	42.0	-4.4	42.2	96.0
34.0	27.205	36.212	23.586	49.4	38.2	-3.9	38.4	95.8
35.0	27.204	36.214	23.587	48.6	36.5	-4.0	36.7	96.2
36.0	27.208	36.212	23.584	48.5	39.5	-3.3	39.7	94.8
37.0	27.209	36.212	23.584	48.1	42.7	-6.9	43.2	99.2
38.0	27.207	36.214	23.586	47.9	42.1	-6.7	42.7	99.1
39.0	27.206	36.214	23.587	47.8	41.6	-6.5	42.1	98.9
40.0	27.203	36.212	23.586	47.8	40.4	-7.0	41.0	99.9
41.0	27.202	36.212	23.586	47.9	38.8	-6.6	39.3	99.7
42.0	27.199	36.212	23.588	47.6	35.1	-5.3	35.5	96.6
43.0	27.197	36.211	23.587	47.6	39.8	-7.1	40.4	100.1
44.0	27.191	36.213	23.591	46.9	39.7	-9.9	40.9	103.9
45.0	27.187	36.218	23.596	46.8	39.3	-8.7	40.3	102.5
46.0	27.185	36.220	23.598	47.3	40.0	-8.8	40.9	102.4
47.0	27.184	36.201	23.584	46.9	41.8	-7.5	42.5	100.1
48.0	27.182	36.165	23.558	46.5	42.6	-10.9	44.0	104.3
49.0	27.174	36.115	23.522	46.5	43.5	-11.2	45.0	104.5
50.0	27.056	36.135	23.576	46.2	41.5	-12.0	43.2	106.2
51.0	26.937	36.106	23.592	46.0	39.5	-12.8	41.5	108.0
52.0	26.732	36.146	23.687	45.5	37.3	-6.4	37.8	99.7
53.0	26.521	36.230	23.818	45.7	37.9	-12.8	40.0	108.7
54.0	26.453	36.142	23.773	45.9	35.1	-9.1	36.3	104.6
55.0	26.345	36.052	23.739	45.5	30.4	-14.8	33.8	115.9
56.0	26.023	36.176	23.934	45.2	28.9	-14.2	32.2	116.1
57.0	25.848	36.237	24.035	44.8	26.9	-10.9	29.1	112.1
58.0	25.714	36.229	24.070	44.8	25.0	-11.3	27.4	114.4
59.0	25.552	36.237	24.127	44.6	22.6	-10.9	25.1	115.6
60.0	25.436	36.253	24.174	44.3	16.1	-11.1	19.5	124.5
61.0	25.320	36.294	24.241	44.0	15.2	-8.6	17.4	119.6
62.0	25.175	36.355	24.331	43.7	14.8	-3.8	15.3	104.6

Station: 11W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 52.15 N
 Longitude 93 49.81 W
 Time: Year Day Hour Minute
 1980 297 23 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
63.0	25.031	36.375	24.391	43.4	14.4	.9	14.4	86.3
64.0	24.931	36.342	24.321	43.7	13.3	-2.3	13.5	80.3
65.0	24.557	36.326	24.498	43.7	3.3	-5.4	6.4	149.3
66.0	24.366	36.308	24.542	43.5	13.3	.7	13.3	86.3
67.0	24.195	36.190	24.504	43.0	-2.1	.7	2.2	289.0
68.0	23.731	36.312	24.734	42.4	-7.6	6.0	9.7	303.2
69.0	23.474	36.359	24.845	43.0	10.5	-1.3	10.6	97.1
70.0	23.432	36.234	24.763	42.3	8.3	-3.2	8.9	111.0
71.0	23.160	36.179	24.800	42.6	6.2	-1.0	6.2	98.9
72.0	22.829	36.239	24.941	42.7	6.4	-2.1	6.7	107.3
73.0	22.694	36.262	24.998	42.4	16.6	11.1	20.0	56.3
74.0	22.592	36.258	25.024	41.5	-3.9	-6.1	7.3	212.2
75.0	22.531	36.242	25.029	41.3	-3.8	-6.3	7.4	210.7
76.0	22.471	36.255	25.057	41.0	-3.6	-6.5	7.5	209.3
77.0	22.411	36.261	25.078	40.8	-3.5	-6.7	7.6	207.9
78.0	22.389	36.230	25.061	41.7	21.0	3.5	21.3	80.4
79.0	22.357	36.226	25.067	40.6	15.8	1.0	15.9	86.3
80.0	22.310	36.217	25.073	39.8	9.9	-1.4	9.9	92.1
81.0	22.277	36.172	25.049	39.7	3.6	-1.5	3.9	112.4
82.0	22.221	36.162	25.056	39.8	2.0	-2.1	2.9	137.1
83.0	22.136	36.198	25.108	40.2	-1.0	-2.6	2.8	200.6
84.0	22.014	36.358	25.264	40.3	1.2	-1.7	1.4	122.0
85.0	21.988	36.334	25.253	40.3	3.0	-1.2	3.0	91.1
86.0	21.943	36.348	25.276	39.9	6.4	-2.5	6.9	111.3

Station: 12W
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 57.51 N
 Longitude 93 44.81 W
 Time: Year Day Hour Minute
 1980 297 13 1

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	27.154	35.966	23.417	52.5	15.7	3.6	16.1	77.2
4.0	27.155	35.970	23.419	52.6	24.8	9.9	26.7	68.3
5.0	27.154	35.975	23.423	52.0	25.1	16.0	29.8	57.6
6.0	27.155	35.974	23.422	52.5	23.1	-1.1	23.1	90.1
7.0	27.156	35.974	23.422	52.5	22.7	-5.9	23.3	103.7
8.0	27.157	35.973	23.421	52.4	26.4	-10.2	28.3	111.1
9.0	27.158	35.972	23.420	52.0	25.7	-8.2	27.0	107.6
10.0	27.159	35.973	23.420	52.3	28.7	-7.1	29.5	103.9
11.0	27.159	35.974	23.421	51.8	34.2	-7.2	35.0	101.8
12.0	27.162	35.971	23.418	51.9	32.4	-9.8	33.8	106.8
13.0	27.162	35.973	23.420	52.1	35.6	-8.9	36.7	104.1
14.0	27.163	35.971	23.418	51.7	33.0	-10.2	34.5	107.2
15.0	27.165	35.970	23.416	51.0	31.7	-11.5	33.7	109.9
16.0	27.160	35.972	23.419	51.1	31.5	-11.8	33.7	110.5
17.0	27.160	35.970	23.418	51.5	32.3	-12.0	34.4	110.3
18.0	27.159	35.972	23.419	50.6	32.6	-10.9	34.6	108.5
19.0	27.158	35.970	23.418	51.2	33.5	-11.3	35.4	108.6
20.0	27.157	35.970	23.419	51.3	29.6	-12.4	32.1	112.7
21.0	27.156	35.972	23.420	51.3	34.8	-11.0	36.5	107.5
22.0	27.156	35.972	23.420	52.2	34.5	-11.4	36.3	108.2
23.0	27.157	35.972	23.420	51.3	33.9	-10.4	35.4	107.1
24.0	27.158	35.971	23.419	51.0	33.5	-10.7	35.2	107.7
25.0	27.160	35.971	23.418	50.8	33.8	-10.0	35.2	106.6
26.0	27.161	35.970	23.418	50.7	33.7	-10.1	35.2	106.6
27.0	27.162	35.971	23.418	50.6	33.5	-10.8	35.2	107.9
28.0	27.162	35.972	23.419	50.6	33.3	-11.6	35.3	109.2
29.0	27.164	35.970	23.417	50.7	33.6	-10.9	35.1	108.1
30.0	27.164	35.971	23.417	50.0	33.9	-10.5	35.4	107.3
31.0	27.164	35.972	23.418	49.6	33.0	-10.9	34.7	108.3
32.0	27.164	35.972	23.418	49.4	33.9	-11.4	35.7	108.6
33.0	27.166	35.970	23.416	49.0	33.4	-11.3	37.2	107.8
34.0	27.165	35.957	23.406	49.3	36.3	-11.1	38.0	107.0
35.0	27.164	35.988	23.392	49.6	34.0	-10.9	35.7	107.8
36.0	27.164	35.968	23.415	49.4	34.4	-10.6	36.0	107.2
37.0	27.161	35.994	23.436	49.0	34.7	-9.7	36.1	105.6
38.0	27.158	36.021	23.457	48.6	35.1	-8.8	36.2	104.1
39.0	27.154	36.052	23.481	48.2	34.5	-8.1	35.4	103.3
40.0	27.161	36.073	23.495	48.3	34.2	-7.3	35.0	102.1
41.0	27.171	36.086	23.502	48.5	32.8	-4.7	33.1	98.1
42.0	27.184	36.097	23.505	48.2	34.1	-3.5	34.3	95.8
43.0	27.192	36.112	23.515	48.2	35.8	-1.8	35.8	92.8
44.0	27.206	36.122	23.517	48.7	37.1	-1.2	37.1	90.3
45.0	27.218	36.128	23.518	47.9	37.8	.3	37.8	89.6
46.0	27.227	36.117	23.507	47.9	39.1	.9	39.1	88.7
47.0	27.228	36.080	23.478	47.5	36.2	-1.1	36.2	90.1
48.0	27.171	36.004	23.440	46.6	37.7	-1.3	37.7	92.0
49.0	27.099	35.915	23.396	45.8	37.2	-1.7	37.2	92.7
50.0	26.776	36.018	23.577	46.2	36.6	-4.3	36.8	96.7
51.0	26.588	36.020	23.638	46.1	35.8	-3.9	36.0	96.3
52.0	26.259	36.125	23.821	44.5	34.4	-7.7	37.2	101.9
53.0	25.951	36.102	23.900	45.7	33.0	-8.8	34.2	105.0
54.0	25.661	36.078	23.973	45.6	40.8	-7.9	41.5	101.0
55.0	25.150	36.307	24.303	45.5	39.3	-8.2	40.2	101.8
56.0	24.956	36.281	24.343	45.8	36.8	-7.6	37.6	101.6
57.0	24.829	36.199	24.319	45.8	39.5	-8.3	40.3	101.8
58.0	24.702	36.099	24.282	45.4	39.1	-8.2	40.0	101.8
59.0	24.488	36.008	24.294	45.2	41.5	-8.1	42.3	101.0
60.0	24.075	36.101	24.472	45.2	40.8	-7.0	41.4	99.7
61.0	23.819	36.280	24.683	44.8	42.5	-5.9	42.9	98.0
62.0	23.659	36.153	24.635	44.4	43.9	-6.2	44.3	98.0

Station: 12W
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 57.51 N
 Longitude 93 44.81 W
 Time: Year Day Hour Minute
 1980 297 13 1

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
63.0	23.358	36.020	24.622	44.5	45.4	-6.1	45.8	97.7
64.0	23.110	35.990	24.672	43.7	47.2	-6.1	47.6	97.4
65.0	22.558	35.990	24.830	43.4	47.6	-3.7	47.8	94.4
66.0	22.285	35.957	24.883	41.6	45.0	-6.6	45.9	93.3
67.0	21.777	36.193	25.205	37.9	42.7	-6.3	43.1	93.4
68.0	21.357	36.302	25.405	37.2	39.9	-5.8	40.3	93.2
69.0	21.094	36.359	25.520	36.5	39.2	-6.0	39.7	93.7
70.0	20.943	36.330	25.540	35.6	37.0	-6.1	37.5	93.3
71.0	20.782	36.408	25.643	35.3	34.8	-4.8	35.2	97.9
72.0	20.597	36.376	25.669	35.4	33.7	-6.2	34.2	100.4
73.0	20.422	36.259	25.627	35.0	31.6	-2.8	31.8	95.1
74.0	20.052	36.364	25.806	35.5	29.2	2.3	29.6	85.4
75.0	19.776	36.362	25.877	35.8	29.7	2.3	29.8	84.7
76.0	19.500	36.405	25.982	36.0	30.2	3.2	30.3	83.9
77.0	19.335	36.391	26.015	35.5	31.5	4.7	31.8	81.5
78.0	19.216	36.405	26.057	35.1	30.9	4.3	31.2	82.1
79.0	19.080	36.473	26.144	36.1	28.1	2.4	28.2	85.2
80.0	19.028	36.455	26.143	37.0	23.6	4.9	24.1	78.4
81.0	19.004	36.437	26.135	37.7	23.7	3.5	23.7	81.5
82.0	18.999	36.429	26.131	38.0	20.4	3.4	20.6	80.5
83.0	18.981	36.406	26.118	38.3	19.1	4.0	19.5	78.2
84.0	18.927	36.381	26.112	38.2	18.3	3.8	18.6	78.2
85.0	18.799	36.345	26.118	38.0	17.2	3.5	17.6	78.5
86.0	18.637	36.247	26.084	37.5	17.0	2.1	17.1	83.0
87.0	18.221	36.373	26.286	36.5	18.6	.9	18.7	87.2
88.0	17.980	36.295	26.356	37.3	15.4	1.1	15.5	85.8
89.0	17.743	36.243	26.304	38.0	13.8	1.9	13.9	82.4
90.0	17.555	36.250	26.356	36.8	13.7	1.3	13.8	84.7
91.0	17.292	36.258	26.426	34.8	12.5	1.5	12.6	83.2
92.0	17.142	36.258	26.463	36.2	12.9	1.0	12.9	85.7

Station: 1E
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.62 N
 Longitude 93 33.67 W
 Time: Year Day Hour Minute
 1980 298 7 51

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
2.0	27.261	36.033	23.432	60.9	4.4	-9.0	5.3	123.9
3.0	27.263	36.029	23.439	60.1	11.1	-9.9	14.9	131.6
4.0	27.263	36.029	23.439	59.2	5.5	-13.4	14.5	157.5
5.0	27.263	36.031	23.430	59.6	5.7	-13.7	19.5	163.1
6.0	27.268	36.029	23.427	59.6	13.4	-16.6	23.1	144.5
7.0	27.267	36.028	23.427	59.2	11.9	-16.6	22.2	147.6
8.0	27.267	36.027	23.426	59.6	10.4	-16.6	21.5	151.0
9.0	27.262	36.030	23.430	59.3	13.5	-21.5	25.4	147.9
10.0	27.257	36.032	23.433	59.6	16.6	-24.5	29.4	145.6
11.0	27.254	36.026	23.430	59.6	19.5	-24.5	30.7	143.0
12.0	27.251	36.019	23.425	59.6	16.6	-23.2	28.7	144.1
13.0	27.233	36.031	23.440	58.9	16.3	-22.0	27.4	143.3
14.0	27.231	36.031	23.441	59.0	15.7	-22.2	27.2	144.7
15.0	27.232	36.031	23.440	59.1	14.9	-22.3	26.3	146.2
16.0	27.231	36.027	23.438	58.9	13.9	-19.9	24.3	145.1
17.0	27.228	36.023	23.436	58.4	14.5	-18.3	23.7	142.3
18.0	27.215	36.030	23.445	58.9	15.5	-19.2	24.7	141.1
19.0	27.214	36.030	23.446	58.7	16.8	-21.3	27.1	141.7
20.0	27.214	36.029	23.445	58.1	14.7	-20.3	25.1	144.1
21.0	27.213	36.031	23.447	58.7	14.9	-20.9	25.7	144.5
22.0	27.214	36.031	23.447	58.5	15.5	-19.7	25.1	141.9
23.0	27.214	36.031	23.447	58.3	16.3	-21.4	27.2	141.8
24.0	27.213	36.031	23.446	58.5	17.7	-19.6	26.4	137.9
25.0	27.211	36.029	23.446	58.5	15.7	-21.0	26.2	143.4
26.0	27.210	36.031	23.447	58.1	14.1	-19.7	24.2	144.4
27.0	27.210	36.030	23.447	58.1	16.4	-20.4	26.5	140.3
28.0	27.211	36.032	23.448	58.5	16.8	-20.3	26.3	140.4
29.0	27.213	36.030	23.446	58.4	16.3	-20.9	26.5	142.2
30.0	27.212	36.030	23.446	58.4	13.9	-19.6	24.1	144.6
31.0	27.212	36.031	23.447	57.7	15.5	-21.0	26.1	143.6
32.0	27.212	36.032	23.447	57.1	13.8	-20.2	24.4	145.5
33.0	27.212	36.031	23.446	57.2	13.7	-20.6	24.7	146.4
34.0	27.213	36.042	23.455	57.4	13.5	-21.0	25.0	147.3
35.0	27.215	36.049	23.460	56.7	13.2	-20.2	24.1	146.9
36.0	27.221	36.055	23.462	56.7	17.3	-21.9	27.9	141.8
37.0	27.220	36.063	23.468	55.5	14.3	-21.7	26.0	146.5
38.0	27.223	36.064	23.468	57.1	18.2	-24.5	30.5	143.4
39.0	27.221	36.068	23.472	55.9	11.2	-20.4	23.3	151.3
40.0	27.222	36.069	23.472	56.3	12.5	-21.7	25.1	150.0
41.0	27.216	36.082	23.484	56.9	14.6	-24.2	28.3	148.9
42.0	27.216	36.099	23.497	55.3	15.0	-23.4	27.8	147.3
43.0	27.218	36.110	23.505	55.3	16.7	-23.6	29.9	144.6
44.0	27.213	36.116	23.511	55.1	12.3	-19.2	22.8	147.3
45.0	27.210	36.120	23.515	55.1	15.1	-19.0	24.3	141.5
46.0	27.207	36.125	23.520	54.8	15.0	-17.5	23.0	139.4
47.0	27.201	36.130	23.525	54.3	15.9	-17.2	23.4	137.2
48.0	27.196	36.132	23.528	54.7	16.9	-16.9	23.9	135.1
49.0	27.190	36.133	23.531	53.9	15.9	-16.3	22.7	135.6
50.0	27.183	36.135	23.535	54.1	13.6	-14.3	20.1	137.3
51.0	27.175	36.136	23.538	53.3	13.2	-16.6	22.5	137.5
52.0	27.164	36.147	23.549	53.7	15.6	-15.6	22.0	135.0
53.0	27.160	36.150	23.553	53.2	15.6	-16.9	22.9	137.3
54.0	27.155	36.155	23.559	52.6	15.7	-21.5	26.7	143.9
55.0	27.144	36.166	23.570	52.9	17.2	-21.0	27.1	140.7
56.0	27.138	36.123	23.540	52.7	16.0	-21.8	27.1	143.7
57.0	27.125	35.978	23.435	52.9	16.7	-21.3	27.0	142.0
58.0	26.883	36.010	23.537	52.1	13.0	-18.6	22.3	145.3
59.0	26.602	36.068	23.670	51.7	12.7	-16.9	21.1	143.0
60.0	26.322	36.100	23.783	51.2	12.4	-15.0	19.5	140.3
61.0	26.006	36.210	23.965	49.6	14.4	-11.0	18.1	127.6

Station: 1E
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.62 N
 Longitude 93 33.67 W
 Time: Year Day Hour Minute
 1980 298 7 51

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	24.272	36.200	24.488	49.1	15.2	-9.0	17.7	120.6
63.0	22.539	36.210	25.003	48.6	16.1	-7.0	17.5	113.4
64.0	20.760	36.300	25.567	47.9	16.9	-7.4	18.5	118.7
65.0	20.600	36.454	25.880	47.5	17.1	-8.8	19.3	117.3
66.0	20.547	36.516	25.789	47.8	15.3	-7.4	17.0	115.9
67.0	20.422	36.514	25.821	47.2	18.4	-11.0	21.4	120.8
68.0	20.188	36.683	26.012	46.3	19.9	-13.6	24.1	124.3
69.0	19.974	36.556	25.973	46.0	19.4	-18.6	26.9	133.7
70.0	19.755	36.624	26.082	46.2	19.7	-19.5	27.7	134.6
71.0	19.624	36.504	26.025	45.7	18.7	-21.2	28.3	138.6
72.0	19.491	36.512	26.066	45.2	18.2	-20.8	27.7	138.8
73.0	19.386	36.486	26.074	46.0	16.5	-20.8	26.5	141.6
74.0	19.371	36.489	26.080	45.4	15.0	-20.6	25.5	144.0
75.0	19.330	36.516	26.111	46.1	18.2	-21.3	28.0	139.5
76.0	19.292	36.474	26.089	45.3	17.0	-20.0	26.2	139.6
77.0	19.255	36.432	26.067	44.5	15.9	-18.7	24.5	139.7
78.0	19.222	36.380	26.036	44.8	15.5	-18.1	23.8	139.6
79.0	19.189	36.397	26.057	45.2	15.0	-17.6	23.1	139.4
80.0	19.153	36.350	26.031	45.3	14.4	-16.9	22.2	139.6
81.0	19.091	36.336	26.036	45.2	16.1	-17.4	23.7	137.2
82.0	18.960	36.383	26.106	44.6	17.7	-17.2	24.6	134.2
83.0	18.923	36.344	26.085	44.1	13.7	-16.3	21.3	139.9
84.0	18.855	36.305	26.073	43.3	15.3	-17.0	22.9	138.0
85.0	18.781	36.282	26.074	42.9	11.4	-16.1	19.7	144.7
86.0	18.652	36.283	26.108	42.7	12.7	-17.2	21.4	143.6
87.0	18.532	36.277	26.134	42.0	11.5	-14.1	18.2	140.8
88.0	18.458	36.246	26.129	41.3	12.0	-15.9	20.0	143.0
89.0	18.384	36.257	26.156	40.5	12.5	-17.7	21.7	144.9
90.0	18.268	36.306	26.223	39.5	15.6	-19.9	25.3	142.0
91.0	18.202	36.116	26.093	38.1	16.6	-21.5	27.2	142.2
92.0	18.136	35.995	26.017	36.8	17.7	-23.1	29.1	142.4
93.0	17.837	36.081	26.157	34.9	15.6	-18.6	24.3	140.0
94.0	17.655	36.170	26.270	34.6	15.4	-16.5	22.6	137.1
95.0	17.473	36.144	26.295	34.4	15.1	-14.4	20.9	133.7
96.0	17.205	36.262	26.450	34.2	20.0	-14.6	24.7	126.1
97.0	16.917	36.367	26.600	43.3	21.5	-14.8	26.1	124.5
98.0	16.838	36.393	26.638	44.9	18.0	-15.6	23.8	130.9
99.0	16.830	36.303	26.571	44.6	15.6	-16.4	22.6	136.5
100.0	16.798	36.225	26.519	44.8	10.3	-15.2	18.3	145.9
101.0	16.765	36.234	26.534	44.9	6.2	-14.2	15.4	156.4
102.0	16.761	36.237	26.537	44.0	7.1	-12.6	14.4	150.7
103.0	16.746	36.199	26.512	44.9	16.7	-14.3	22.0	130.5
104.0	16.704	36.212	26.532	44.6	12.6	-13.3	18.3	136.5
105.0	16.645	36.218	26.550	44.2	12.2	-16.7	20.7	143.9
106.0	16.545	36.269	26.613	44.7	18.2	-16.2	24.4	131.6
107.0	16.497	36.273	26.628	44.2	13.6	-12.8	18.7	133.3
108.0	16.443	36.206	26.589	43.9	14.2	-15.4	20.9	137.3
109.0	16.390	36.150	26.558	43.7	14.8	-17.9	23.2	140.5
110.0	16.315	36.193	26.609	44.5	12.3	-15.9	20.1	142.3
111.0	16.162	36.179	26.634	44.2	10.0	-8.4	13.1	129.9
112.0	16.095	36.241	26.697	44.4	12.6	-3.6	13.1	105.8
113.0	16.040	36.250	26.717	42.7	13.5	-20.1	24.3	146.1
114.0	15.855	36.250	26.759	41.6	9.3	-13.8	16.7	146.0
115.0	15.781	36.251	26.777	37.5	10.9	-6.9	12.9	122.2

Station: 2E
 Cruise : 80-B3-1
 Ship : BALTIC SEAL
 Position: Latitude 27 57.55 N
 Longitude 93 34.25 W
 Time: Year Day Hour Minute
 1980 298 19 2

Depth m	Temp deg C	Sal Ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.029	35.987	23.398	44.5	45.6	-28.4	53.7	121.9
3.0	27.029	35.982	23.431	50.0	31.1	-1.3	31.1	90.6
4.0	27.027	35.985	23.434	50.6	32.8	-8.3	33.8	104.2
5.0	27.028	35.988	23.436	52.2	47.0	10.5	48.2	77.4
6.0	27.029	35.986	23.434	52.1	47.2	-17.0	50.1	109.8
7.0	27.033	35.982	23.430	52.1	33.7	-41.4	53.4	140.8
8.0	27.032	35.980	23.429	52.1	27.4	-42.1	50.2	147.0
9.0	27.031	35.935	23.433	52.0	21.1	-42.9	47.8	153.9
10.0	27.028	35.935	23.434	52.1	18.1	-42.7	46.4	157.0
11.0	27.032	35.929	23.428	52.7	13.2	-37.7	40.0	160.7
12.0	27.028	35.938	23.436	52.5	17.4	-38.6	42.3	155.7
13.0	27.030	35.936	23.434	52.5	13.7	-36.5	39.0	159.4
14.0	27.034	35.932	23.429	52.7	11.1	-36.9	38.5	163.3
15.0	27.030	35.931	23.430	52.6	11.7	-37.3	39.5	162.7
16.0	27.023	35.937	23.437	52.5	12.6	-34.2	36.4	159.7
17.0	27.025	35.931	23.432	52.3	11.1	-33.0	34.8	161.4
18.0	27.020	35.933	23.435	51.9	8.6	-30.4	31.6	164.2
19.0	27.018	35.949	23.447	51.5	9.2	-33.3	34.6	164.5
20.0	27.023	35.948	23.445	51.7	7.2	-37.2	37.9	169.1
21.0	27.048	35.934	23.427	51.3	3.2	-32.5	32.6	174.4
22.0	27.062	35.927	23.417	51.4	6.8	-31.5	32.2	167.8
23.0	27.077	35.946	23.427	51.6	10.4	-30.4	32.2	161.1
24.0	27.092	35.973	23.442	51.7	14.0	-29.4	32.6	154.5
25.0	27.114	36.003	23.457	51.7	17.3	-29.4	34.1	149.6
26.0	27.173	36.005	23.440	51.4	20.0	-32.1	37.8	148.1
27.0	27.184	36.029	23.455	51.7	24.1	-39.0	45.9	148.3
28.0	27.189	36.034	23.457	51.8	26.4	-42.1	49.7	147.9
29.0	27.194	36.048	23.466	52.3	26.3	-44.4	51.6	149.4
30.0	27.191	36.061	23.476	52.0	27.6	-45.7	53.4	148.9
31.0	27.191	36.066	23.480	51.6	29.2	-46.4	54.8	147.8
32.0	27.192	36.074	23.486	52.1	29.6	-45.5	54.3	146.9
33.0	27.195	36.074	23.485	51.5	31.0	-45.8	55.3	146.0
34.0	27.195	36.080	23.490	51.1	30.7	-43.5	53.2	144.8
35.0	27.197	36.081	23.490	50.8	27.6	-42.6	50.8	147.1
36.0	27.196	36.081	23.489	51.0	28.0	-43.6	51.8	147.3
37.0	27.195	36.082	23.491	50.5	30.7	-44.4	53.9	145.3
38.0	27.194	36.086	23.494	50.3	34.1	-44.8	56.3	142.7
39.0	27.193	36.079	23.489	50.2	38.2	-45.0	59.1	139.6
40.0	27.179	35.955	23.400	50.0	40.8	-46.8	62.1	138.9
41.0	27.107	36.001	23.458	49.9	40.6	-50.7	64.9	141.3
42.0	26.508	36.010	23.656	49.0	40.4	-53.3	66.8	142.8
43.0	25.980	36.100	23.890	48.6	40.8	-47.4	62.5	139.3
44.0	25.315	35.939	23.975	47.9	48.6	-34.6	59.6	125.4
45.0	24.819	36.227	24.343	47.7	54.6	-30.9	62.8	119.5
46.0	24.760	36.208	24.347	47.8	54.5	-36.4	65.5	123.7
47.0	24.656	36.265	24.422	48.4	53.8	-43.6	69.3	129.0
48.0	24.615	36.241	24.416	48.2	54.2	-43.7	69.6	128.9
49.0	24.590	36.264	24.441	48.2	53.4	-46.7	71.0	131.2
50.0	24.580	36.216	24.408	47.2	54.2	-47.6	72.2	131.3
51.0	24.504	36.235	24.445	47.3	57.9	-46.9	74.5	129.0
52.0	24.406	36.249	24.485	47.7	55.6	-46.8	72.7	130.0
53.0	24.340	36.268	24.519	47.8	55.9	-47.4	73.3	130.3
54.0	24.312	36.213	24.486	47.2	54.9	-46.2	71.8	130.1
55.0	24.296	36.081	24.391	46.7	54.7	-43.9	70.1	128.8
56.0	24.151	36.053	24.413	46.1	51.1	-44.7	67.9	131.1
57.0	23.878	36.129	24.552	45.6	49.5	-45.0	66.9	132.3
58.0	23.605	36.279	24.746	45.2	47.9	-45.4	66.0	133.4
59.0	23.332	36.189	24.758	44.8	46.3	-45.8	65.1	134.7
60.0	22.990	36.248	24.902	45.8	47.9	-45.9	66.3	133.8
61.0	22.844	36.252	24.947	45.5	45.4	-45.3	64.2	134.9

Station: 2E
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 57.55 N
 Longitude 93 34.25 W
 Time: Year Day Hour Minute
 1980 298 19 2

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	22.570	36.157	24.954	45.8	45.4	-41.3	61.3	132.3
63.0	21.911	36.243	25.221	45.3	44.2	-38.6	60.2	129.9
64.0	21.211	36.270	25.421	45.0	43.9	-35.6	60.5	126.1
65.0	21.069	36.250	25.445	44.5	43.1	-33.7	58.7	125.0
66.0	21.007	36.300	25.499	44.0	46.6	-31.4	56.2	124.0
67.0	20.972	36.401	25.586	43.7	47.6	-32.7	57.8	124.5
68.0	20.936	36.386	25.584	43.3	48.7	-34.0	59.3	124.9
69.0	20.775	36.338	25.592	42.7	52.5	-33.0	62.0	122.1
70.0	20.613	36.326	25.626	42.0	56.3	-32.0	64.8	119.6
71.0	20.460	36.367	25.699	41.6	59.0	-33.1	67.7	119.3
72.0	20.364	36.297	25.671	41.7	61.5	-27.3	67.3	113.9
73.0	20.211	36.274	25.696	41.5	60.5	-25.9	65.8	113.2
74.0	20.003	36.356	25.812	41.5	61.2	-24.7	66.0	112.0
75.0	19.795	36.440	25.932	41.4	62.0	-23.5	66.3	110.8
76.0	19.731	36.401	25.919	41.1	61.1	-23.9	65.6	111.3
77.0	19.629	36.354	25.910	40.8	60.7	-26.2	66.1	113.3
78.0	19.516	36.330	25.921	40.5	59.4	-26.7	65.1	114.2
79.0	19.370	36.309	25.943	39.4	59.5	-24.8	64.4	112.6
80.0	19.088	36.434	26.111	40.1	61.5	-24.9	66.3	112.0
81.0	19.024	36.413	26.112	41.3	64.7	-23.5	68.8	109.9
82.0	18.976	36.295	26.034	40.9	64.3	-22.2	68.0	109.0
83.0	18.781	36.351	26.127	40.1	64.8	-21.0	68.1	108.0
84.0	18.564	36.290	26.136	38.4	61.8	-25.4	66.8	112.4
85.0	18.300	36.378	26.270	38.9	62.2	-31.5	69.7	116.9
86.0	18.189	36.310	26.245	38.7	62.5	-31.7	70.0	116.9
87.0	18.038	36.410	26.359	38.8	66.2	-29.7	72.5	114.2
88.0	17.947	36.181	26.207	38.3	65.2	-29.3	71.5	114.2
89.0	17.875	36.100	26.163	36.5	66.1	-28.9	72.1	113.7
90.0	17.381	36.150	26.322	35.2	66.5	-27.9	72.2	112.8
91.0	16.887	36.214	26.490	34.0	67.0	-26.9	72.2	111.9
92.0	16.687	36.227	26.547	32.8	67.3	-25.5	72.0	110.7
93.0	16.646	36.431	26.714	30.8	66.1	-23.7	70.2	109.8
94.0	16.632	36.275	26.597	25.0	61.6	-23.7	66.0	111.0
95.0	16.627	36.303	26.620	23.9	63.3	-21.1	66.7	108.4

Station: SE
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.31 N
 Longitude 93 38.16 W
 Time: Year Day Hour Minute
 1980 298 11 21

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
2.0	27.170	36.009	23.444	61.5	34.5	-16.6	38.3	115.7
3.0	27.172	36.008	23.443	60.2	42.6	-10.7	43.9	104.1
4.0	27.171	36.006	23.441	60.5	44.4	-11.1	45.8	104.1
5.0	27.171	36.005	23.441	60.1	42.7	-17.9	46.3	112.3
6.0	27.168	36.011	23.446	60.2	43.6	-16.8	51.4	109.0
7.0	27.146	36.066	23.494	59.3	43.8	-14.7	46.1	108.5
8.0	27.204	36.092	23.495	60.6	40.6	-11.8	42.3	106.2
9.0	27.224	36.088	23.486	60.2	39.9	-12.9	42.0	107.9
10.0	27.242	36.095	23.486	60.5	37.3	-7.1	37.9	100.8
11.0	27.251	36.099	23.486	60.9	37.1	-8.8	38.1	103.3
12.0	27.259	36.103	23.486	60.7	36.7	-5.8	37.2	99.0
13.0	27.258	36.114	23.495	60.2	37.9	-6.0	38.4	98.9
14.0	27.259	36.118	23.497	59.9	37.4	-6.1	37.9	99.3
15.0	27.260	36.121	23.499	59.6	37.0	-6.3	37.5	99.7
16.0	27.259	36.121	23.499	59.6	36.8	-5.3	37.2	98.2
17.0	27.257	36.123	23.502	59.9	36.8	-6.1	37.3	99.5
18.0	27.258	36.122	23.501	60.0	34.3	-4.3	34.5	97.2
19.0	27.258	36.124	23.502	59.0	35.9	-6.7	36.6	100.6
20.0	27.257	36.122	23.501	59.6	33.3	-5.5	33.7	98.2
21.0	27.258	36.122	23.501	59.0	37.0	-5.6	37.4	98.6
22.0	27.255	36.122	23.501	59.0	36.2	-3.9	36.4	96.2
23.0	27.249	36.123	23.504	57.9	37.0	-7.0	37.7	100.6
24.0	27.247	36.121	23.503	58.0	37.4	-6.9	38.1	100.4
25.0	27.244	36.123	23.506	58.2	36.3	-6.7	36.9	100.4
26.0	27.240	36.125	23.509	57.8	37.5	-8.4	38.5	102.6
27.0	27.239	36.126	23.510	58.0	38.1	-7.9	38.9	101.7
28.0	27.231	36.132	23.517	57.7	38.6	-9.0	39.7	103.1
29.0	27.222	36.136	23.523	57.4	39.2	-10.0	40.5	104.4
30.0	27.215	36.141	23.529	57.3	38.5	-10.0	39.7	104.6
31.0	27.211	36.141	23.530	56.8	40.0	-11.7	41.6	106.3
32.0	27.204	36.147	23.537	56.2	40.6	-11.6	42.2	105.9
33.0	27.185	36.137	23.535	55.8	40.7	-12.7	42.7	107.3
34.0	27.137	36.182	23.585	55.6	41.0	-12.3	42.8	106.7
35.0	27.083	36.160	23.586	52.7	40.2	-13.5	42.5	108.6
36.0	27.031	36.161	23.603	53.9	41.2	-13.3	43.5	108.5
37.0	26.960	36.166	23.629	54.2	39.3	-13.3	41.6	109.3
38.0	26.860	36.109	23.618	54.5	41.7	-13.3	43.9	108.3
39.0	26.736	36.044	23.609	54.0	36.9	-12.3	38.9	108.4
40.0	26.550	35.864	23.532	54.7	37.5	-13.4	39.8	109.6
41.0	26.371	35.833	23.566	54.4	32.1	-11.8	34.2	110.3
42.0	25.943	36.069	23.878	54.1	27.4	-9.3	29.1	109.6
43.0	25.769	35.928	23.826	53.8	25.2	-10.3	27.3	112.3
44.0	25.143	36.105	24.153	54.6	22.2	-10.7	24.7	115.7
45.0	24.872	36.257	24.350	53.1	26.7	-15.1	30.7	119.6
46.0	24.823	36.258	24.366	52.6	31.6	-17.6	36.2	119.2
47.0	24.783	36.210	24.342	52.8	31.2	-16.1	35.1	117.3
48.0	24.760	36.209	24.348	52.5	31.8	-12.2	34.0	111.0
49.0	24.704	36.255	24.400	52.5	35.2	-14.5	38.1	112.4
50.0	24.699	36.234	24.385	53.0	37.5	-14.6	40.3	111.3
51.0	24.684	36.216	24.376	53.4	38.4	-13.4	40.6	109.2
52.0	24.617	36.196	24.381	53.0	35.0	-13.2	37.4	110.7
53.0	24.569	36.199	24.398	52.9	34.0	-13.2	36.5	111.2
54.0	24.516	36.215	24.426	51.8	32.2	-14.4	35.2	114.1
55.0	24.482	36.232	24.449	51.4	33.3	-13.0	36.2	111.0
56.0	24.464	36.140	24.385	51.5	35.3	-14.1	38.0	111.8
57.0	24.437	36.006	24.292	51.8	35.7	-13.5	38.2	110.7
58.0	24.082	36.183	24.532	51.1	34.1	-12.3	36.5	109.9
59.0	23.966	36.122	24.520	50.3	33.4	-12.0	35.5	109.7
60.0	23.787	36.180	24.617	50.7	33.0	-13.7	35.8	112.5
61.0	23.612	36.109	24.615	50.2	33.7	-15.0	36.3	114.0

Station: 3E
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.31 N
 Longitude 93 38.16 W
 Time: Year Day Hour Minute
 1980 298 11 21

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	23.412	36.162	24.714	50.0	35.2	-15.1	38.3	113.2
63.0	23.311	36.193	24.767	50.0	35.4	-15.9	38.8	114.2
64.0	23.277	36.087	24.697	49.0	34.1	-13.9	36.8	112.1
65.0	23.204	36.050	24.690	49.0	34.1	-10.4	35.7	107.0
66.0	22.785	36.100	24.849	48.5	38.6	-4.4	38.8	96.5
67.0	22.339	36.256	25.094	48.6	44.1	-6.0	44.5	97.7
68.0	22.256	36.216	25.088	49.4	43.9	-10.3	45.1	103.2
69.0	22.183	36.233	25.122	48.5	45.3	-14.1	47.4	107.4
70.0	22.124	36.233	25.138	48.8	46.3	-17.5	49.5	110.6
71.0	22.057	36.214	25.143	47.9	54.9	-23.9	59.9	113.5
72.0	21.997	36.238	25.178	48.1	52.2	-26.1	58.4	116.6
73.0	21.914	36.226	25.192	47.3	52.1	-24.4	57.5	115.1
74.0	21.856	36.226	25.208	45.5	49.8	-24.5	55.5	116.2
75.0	21.792	36.250	25.244	46.5	45.5	-26.0	52.4	119.7
76.0	21.727	36.275	25.281	46.7	47.8	-24.9	53.9	117.5
77.0	21.575	36.257	25.310	46.6	49.3	-25.6	55.6	117.4
78.0	21.423	36.175	25.290	46.5	50.9	-26.3	57.3	117.4
79.0	21.093	36.132	25.349	44.9	48.4	-25.7	54.9	118.0
80.0	20.785	36.146	25.443	44.7	49.3	-22.4	54.1	114.4
81.0	20.555	36.047	25.430	43.3	47.3	-21.5	52.0	114.4
82.0	20.250	36.261	25.675	41.5	45.8	-23.1	51.3	116.8
83.0	19.595	36.300	25.878	39.4	45.1	-21.8	50.1	115.8
84.0	19.468	36.258	25.880	39.6	47.6	-21.7	52.3	114.5
85.0	18.792	36.352	26.125	37.6	45.5	-27.9	53.4	121.5
86.0	18.391	36.360	26.233	37.5	44.4	-31.9	54.7	125.7
87.0	18.283	36.370	26.267	37.1	42.5	-31.2	52.7	126.3
88.0	18.210	36.390	26.301	37.8	44.8	-27.2	52.4	121.8
89.0	18.185	36.413	26.325	37.7	44.8	-25.8	51.7	119.9
90.0	18.159	36.357	26.289	37.6	44.9	-24.3	51.0	118.4
91.0	18.133	36.325	26.271	37.4	44.9	-22.8	50.4	116.9
92.0	18.117	36.273	26.235	37.6	45.2	-19.6	49.3	113.5
93.0	18.066	36.384	26.333	38.6	48.4	-15.5	50.8	107.8
94.0	18.021	36.358	26.324	39.2	47.5	-14.3	49.6	106.8
95.0	17.957	36.373	26.351	39.1	46.8	-14.5	49.0	107.2

Station: 4E
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 57.91 N
 Longitude 93 38.26 W
 Time: Year Day Hour Minute
 1980 298 4 37

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.3335	36.0229	23.406	60.0	44.9	-11.6	46.4	104.4
3.0	27.3339	36.0229	23.404	59.8	45.9	-10.5	46.7	100.5
4.0	27.3333	36.0226	23.412	59.5	46.4	-1.5	46.4	91.9
5.0	27.346	36.0228	23.401	59.6	37.2	1.5	37.2	89.3
6.0	27.344	36.0233	23.406	59.2	35.2	4.5	35.5	82.7
7.0	27.341	36.0232	23.406	59.7	37.0	1.0	37.0	86.5
8.0	27.345	36.0228	23.402	59.2	35.5	-2.0	35.5	86.9
9.0	27.344	36.0226	23.401	59.9	33.9	1.7	33.9	86.8
10.0	27.345	36.0224	23.399	59.8	29.8	2.3	29.9	86.6
11.0	27.340	36.0233	23.407	59.4	29.8	3.4	30.0	85.5
12.0	27.347	36.0226	23.400	59.5	29.8	2.4	29.8	85.5
13.0	27.345	36.0227	23.401	57.7	28.5	2.2	28.6	85.6
14.0	27.339	36.0230	23.405	56.4	29.4	2.5	29.6	85.2
15.0	27.340	36.0227	23.403	58.1	28.8	2.6	28.9	84.8
16.0	27.337	36.0220	23.398	57.5	29.0	1.1	29.0	84.9
17.0	27.327	36.0229	23.408	57.8	27.8	3.5	28.0	82.9
18.0	27.326	36.0231	23.410	57.0	27.2	3.2	27.3	85.0
19.0	27.327	36.0233	23.411	57.1	25.9	3.3	26.1	82.9
20.0	27.328	36.0228	23.407	57.2	25.5	3.9	25.4	83.4
21.0	27.328	36.0221	23.402	57.2	24.5	2.6	24.7	84.0
22.0	27.321	36.019	23.403	56.8	28.6	1.1	28.6	90.1
23.0	27.309	36.020	23.407	57.3	27.3	1.4	27.3	89.7
24.0	27.299	35.993	23.391	57.1	25.7	1.1	25.8	86.9
25.0	27.264	36.000	23.406	56.6	26.1	1.3	26.1	87.2
26.0	27.237	36.000	23.415	55.8	25.9	1.9	25.9	87.9
27.0	27.233	36.015	23.430	55.5	28.2	1.8	28.3	88.8
28.0	27.259	36.025	23.427	55.8	27.6	1.6	27.7	88.7
29.0	27.295	36.009	23.403	55.8	22.9	1.3	22.9	89.1
30.0	27.295	36.014	23.407	55.9	23.9	1.1	23.9	90.4
31.0	27.294	36.020	23.412	55.7	23.9	1.1	23.9	91.1
32.0	27.295	36.021	23.413	55.6	23.4	1.1	23.4	91.6
33.0	27.296	36.022	23.413	55.5	22.9	1.8	23.0	92.0
34.0	27.297	36.022	23.412	55.0	22.6	1.8	22.6	93.2
35.0	27.297	36.025	23.415	54.5	24.8	-1.0	24.9	92.9
36.0	27.298	36.024	23.414	54.4	26.9	-1.6	27.0	91.4
37.0	27.295	36.026	23.416	54.5	25.6	-3.2	25.8	97.2
38.0	27.283	36.058	23.444	54.5	26.8	-1.1	26.4	93.9
39.0	27.318	36.006	23.394	53.6	24.9	-3.3	25.5	97.4
40.0	27.037	36.061	23.525	53.9	23.2	-3.5	23.4	98.5
41.0	26.544	36.126	23.732	53.3	23.7	-1.2	23.7	99.9
42.0	26.087	36.270	23.985	53.8	23.5	-2.2	23.5	99.5
43.0	25.746	36.476	24.247	54.2	24.4	-2.1	24.4	99.0
44.0	25.466	36.198	24.123	54.6	23.2	-2.0	23.3	94.9
45.0	25.269	36.115	24.121	53.5	24.0	1.1	24.0	89.7
46.0	24.894	36.331	24.399	53.6	23.8	-1.6	23.9	83.8
47.0	24.786	36.331	24.432	53.6	23.5	1.8	23.5	84.8
48.0	24.741	36.237	24.375	54.3	22.7	1.7	22.7	91.8
49.0	24.660	36.244	24.404	54.1	21.9	1.7	21.9	88.9
50.0	24.549	36.289	24.472	53.8	20.8	1.9	20.8	82.4
51.0	24.523	36.286	24.476	53.3	23.3	-1.2	23.3	82.4
52.0	24.514	36.257	24.459	52.4	25.8	-2.9	25.9	96.9
53.0	24.497	36.188	24.412	52.4	25.2	-1.0	25.2	92.2
54.0	24.302	36.051	24.366	52.4	24.3	2.0	24.4	85.8
55.0	24.117	36.028	24.404	51.7	23.2	1.7	23.2	91.1
56.0	23.717	36.352	24.768	51.5	22.1	1.3	22.1	90.8
57.0	23.592	36.321	24.781	51.3	23.6	1.7	23.6	88.2
58.0	23.467	36.340	24.832	51.4	23.9	1.8	23.9	91.6
59.0	23.365	36.364	24.896	51.3	30.8	-3.4	31.0	96.8
60.0	23.238	36.373	24.924	51.1	30.2	-4.2	30.4	97.9
61.0	23.060	36.363	24.969	50.8	30.9	-4.1	31.2	97.5

Station: 4E
 Cruise : 80-B3-1
 Ship : BALTIC SEAL
 Position: Latitude 27 57.91 N
 Longitude 73 38.26 W
 Time: Year Day Hour Minute
 1980 298 4 37

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	22.988	36.285	24.931	50.9	30.5	-4.7	30.8	98.8
63.0	22.821	36.298	24.989	50.1	30.3	-7.2	31.2	103.9
64.0	22.634	36.327	25.064	48.6	26.1	-7.3	27.1	108.4
65.0	22.472	36.478	25.226	47.9	26.0	-6.5	26.7	104.0
66.0	22.310	36.372	25.191	47.1	25.8	-5.6	26.4	102.8
67.0	22.170	36.390	25.244	46.1	23.9	-4.5	24.3	100.6
68.0	22.065	36.377	25.264	45.1	24.2	-4.2	24.5	99.7
69.0	21.966	36.324	25.252	44.2	24.2	-1.5	24.3	93.5
70.0	21.828	36.176	25.178	43.9	24.2	-1.5	24.2	91.3
71.0	21.554	36.163	25.245	42.9	24.4	1.1	24.4	87.4
72.0	21.083	36.355	25.520	41.2	25.3	-4.9	25.7	100.9
73.0	20.606	36.318	25.623	39.3	21.1	.7	21.1	88.2
74.0	20.115	36.554	25.934	39.3	25.0	1.4	25.1	86.9
75.0	20.082	36.385	25.821	38.9	22.7	3.0	23.0	82.4
76.0	19.923	36.445	25.902	39.3	21.8	4.6	22.3	78.2
77.0	19.764	36.487	25.976	39.7	20.8	6.1	21.7	73.8
78.0	19.520	36.565	26.099	40.8	20.0	4.7	20.6	76.7
79.0	19.350	36.511	26.102	40.7	17.9	4.2	20.3	78.2
80.0	19.188	36.531	26.160	40.0	18.8	4.0	19.2	78.1
81.0	19.162	36.465	26.116	39.7	18.4	4.0	18.3	77.8
82.0	19.083	36.431	26.110	39.6	18.3	2.5	18.4	82.3
83.0	19.039	36.506	26.179	40.0	17.7	6.0	18.7	71.3
84.0	19.024	36.376	26.084	39.7	18.4	4.1	18.9	77.4
85.0	18.981	36.426	26.133	40.3	17.0	5.1	17.8	73.2
86.0	18.927	36.386	26.116	40.1	18.7	3.3	19.0	79.9
87.0	18.890	36.427	26.157	40.1	19.5	4.9	20.1	75.8
88.0	18.882	36.331	26.086	39.5	21.6	2.6	21.8	83.1
89.0	18.845	36.220	26.011	40.0	18.7	5.1	19.4	74.9
90.0	18.624	36.270	26.105	39.2	16.9	4.9	17.6	73.8
91.0	18.367	36.260	26.162	36.4	16.0	2.9	16.2	79.7
92.0	18.110	36.261	26.227	33.6	15.0	.9	15.1	86.7
93.0	17.942	36.254	26.264	31.5	12.9	1.3	13.0	84.0

Station: SE
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 55.26 N
 Longitude 93 34.21 W
 Time: Year Day Hour Minute
 1980 298 7 10

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
1.0	27.205	35.981	23.412	61.0	-6.8	-4.8	8.3	235.1
2.0	27.201	35.985	23.414	61.0	-6.5	-4.2	9.6	235.0
3.0	27.205	35.983	23.413	60.5	-6.9	-6.3	7.7	153.3
4.0	27.205	35.986	23.415	60.6	3.4	-6.4	7.2	151.2
5.0	27.210	35.983	23.411	60.5	7.6	-4.5	9.8	150.0
6.0	27.212	35.985	23.412	60.1	4.3	-3.6	9.6	153.2
7.0	27.217	35.981	23.408	60.3	5.4	-10.8	12.1	153.4
8.0	27.215	35.985	23.411	60.0	5.1	-2.6	10.2	152.9
9.0	27.217	35.983	23.409	59.9	4.6	-2.7	10.8	154.9
10.0	27.216	35.982	23.409	60.1	4.5	-2.8	11.0	153.8
11.0	27.214	35.982	23.409	60.7	4.9	-10.4	11.5	154.7
12.0	27.213	35.977	23.404	59.0	6.4	-10.5	12.3	148.7
13.0	27.206	35.979	23.410	59.1	7.7	-9.9	12.1	141.7
14.0	27.198	35.984	23.416	59.2	9.9	-9.3	13.3	134.3
15.0	27.196	35.987	23.419	59.2	9.2	-8.5	12.5	132.6
16.0	27.202	35.980	23.412	59.0	10.3	-8.1	13.1	123.3
17.0	27.205	35.970	23.403	58.8	9.6	-8.5	12.8	131.6
18.0	27.188	35.981	23.417	58.4	10.1	-2.1	13.6	132.0
19.0	27.189	35.974	23.412	58.6	11.3	-7.9	13.8	124.8
20.0	27.178	35.975	23.415	58.6	12.0	-8.1	14.5	123.9
21.0	27.158	35.982	23.427	58.4	13.5	-9.2	15.5	126.5
22.0	27.159	35.981	23.426	58.4	13.1	-7.5	15.1	119.7
23.0	27.159	35.979	23.425	57.5	15.5	-9.6	16.2	121.6
24.0	27.168	35.971	23.416	57.7	15.3	-8.7	17.6	119.7
25.0	27.157	35.977	23.424	57.9	17.0	-9.9	19.7	120.2
26.0	27.157	35.976	23.424	57.8	16.6	-11.2	20.0	123.9
27.0	27.155	35.977	23.424	56.5	13.5	-12.1	18.1	131.8
28.0	27.154	35.976	23.424	56.2	15.7	-8.9	18.1	119.7
29.0	27.153	35.971	23.421	56.3	17.9	-5.8	18.8	108.0
30.0	27.150	35.974	23.424	56.4	17.5	-6.4	18.6	110.2
31.0	27.147	35.971	23.423	56.8	19.4	-6.1	20.3	107.5
32.0	27.143	35.975	23.427	56.8	19.2	-10.1	21.7	117.7
33.0	27.142	35.975	23.428	56.2	19.3	-13.7	23.6	125.4
34.0	27.145	35.976	23.427	55.8	19.9	-13.7	24.2	124.5
35.0	27.146	35.974	23.425	56.0	17.0	-13.3	21.6	128.1
36.0	27.148	35.974	23.424	55.5	17.3	-12.2	21.2	125.1
37.0	27.147	35.974	23.425	56.2	19.2	-10.8	22.0	119.4
38.0	27.147	35.971	23.423	56.5	19.7	-10.1	22.1	117.0
39.0	27.145	35.973	23.425	56.4	21.4	-10.7	24.0	116.6
40.0	27.143	35.983	23.433	55.7	20.3	-11.4	23.8	118.7
41.0	27.140	36.008	23.453	55.9	21.3	-10.4	23.7	116.1
42.0	27.145	36.022	23.462	55.5	19.3	-9.9	21.7	117.2
43.0	27.147	36.034	23.470	55.3	19.1	-9.8	21.5	117.2
44.0	27.145	36.044	23.478	55.4	17.5	-8.6	19.5	116.3
45.0	27.144	36.052	23.485	55.4	16.4	-8.0	18.3	116.0
46.0	27.139	36.058	23.491	54.7	14.9	-8.1	17.0	118.6
47.0	27.125	36.071	23.505	54.2	13.3	-9.9	15.8	122.5
48.0	27.110	36.080	23.517	54.1	13.3	-7.9	15.5	120.5
49.0	27.095	36.091	23.530	54.1	13.3	-7.2	15.1	118.5
50.0	27.089	36.103	23.541	54.3	12.0	-6.4	13.6	118.0
51.0	27.090	36.114	23.549	54.2	11.9	-6.4	13.5	118.3
52.0	27.095	36.121	23.552	53.6	9.3	-8.9	10.1	112.8
53.0	27.099	36.141	23.564	52.7	8.9	-8.9	9.7	113.9
54.0	27.112	36.147	23.566	52.5	8.6	-4.0	9.5	115.1
55.0	27.114	36.156	23.572	52.3	10.3	-2.2	10.6	102.8
56.0	27.113	36.162	23.578	51.8	8.8	-1.8	8.9	101.8
57.0	26.975	35.970	23.477	51.5	6.6	-2.0	6.9	106.4
58.0	26.289	36.207	23.873	50.6	.6	1.2	1.4	26.9
59.0	25.693	36.505	24.285	50.0	.7	1.2	1.4	30.9
60.0	25.098	36.500	24.465	49.4	.8	1.2	1.5	34.6

Station: 5E
 Cruise : 80-RS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 55.26 N
 Longitude 93 34.21 W
 Time: Year Day Hour Minute
 1980 298 7 10

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
61.0	22.476	36.505	25.244	48.6	-1.0	3.3	3.4	343.3
62.0	21.099	36.520	25.642	46.3	-1.7	4.8	5.1	340.6
63.0	20.944	36.535	25.695	47.4	-4.3	7.4	8.6	330.0
64.0	20.562	36.580	25.834	46.8	-6.2	8.4	10.4	323.3
65.0	20.458	36.578	25.860	46.8	-6.6	8.4	9.5	309.0
66.0	20.312	36.557	25.883	47.1	-4.7	1.5	4.9	288.4
67.0	20.072	36.597	25.978	47.1	-7.5	7.8	10.8	316.2
68.0	19.993	36.600	26.001	46.5	-6.7	3.6	7.6	298.1
69.0	19.893	36.562	25.999	46.4	-9.1	6.3	11.1	304.9
70.0	19.784	36.533	26.006	46.1	-11.4	1.0	11.5	274.9
71.0	19.741	36.683	26.132	45.7	-8.2	1.2	8.3	278.6
72.0	19.697	36.521	26.019	45.2	-5.0	1.5	5.2	286.7
73.0	19.679	36.468	25.984	45.5	-14.3	1.3	14.4	275.1
74.0	19.649	36.529	26.038	45.0	-10.6	-6.3	12.3	299.2
75.0	19.608	36.438	25.979	44.6	-8.2	-8.9	12.0	222.9
76.0	19.585	36.402	25.958	45.2	-7.5	-12.6	14.7	211.0
77.0	19.570	36.395	25.957	44.6	-2.2	-12.6	12.8	189.9
78.0	19.559	36.405	25.967	44.5	1.5	-13.0	13.1	173.6
79.0	19.511	36.405	25.979	44.7	1.5	-10.5	10.6	171.7
80.0	19.467	36.456	26.030	45.2	4.9	-7.0	8.6	144.9
81.0	19.456	36.433	26.015	44.9	3.0	-4.9	5.8	148.4
82.0	19.423	36.428	26.020	45.4	4.0	-4.7	6.2	140.2
83.0	19.340	36.464	26.069	45.4	3.5	-4.2	5.4	139.7
84.0	19.257	36.417	26.055	45.5	3.1	-3.6	4.7	139.1
85.0	19.131	36.274	25.978	44.6	2.2	-2.8	3.7	138.1
86.0	18.839	36.300	26.073	42.8	2.2	-3.9	3.9	137.6
87.0	18.590	36.400	26.213	40.8	2.1	-2.1	3.0	135.6
88.0	17.460	36.527	26.592	35.6	2.2	-2.7	3.7	138.0
89.0	17.108	36.561	26.703	32.3	2.2	-4.7	5.2	154.7
90.0	17.074	36.477	26.647	31.6	3.3	-3.3	4.7	135.1
91.0	17.057	36.374	26.572	31.7	2.2	-4.6	5.1	154.8
92.0	17.005	36.323	26.545	35.0	2.6	-3.7	4.5	145.4
93.0	16.894	36.324	26.573	36.4	1.2	-4.8	4.9	166.2
94.0	16.801	36.269	26.552	35.5	.6	-4.9	5.0	173.5
95.0	16.709	36.250	26.560	34.6	-1.1	-5.1	5.1	180.6
96.0	16.667	36.239	26.561	31.7	.7	-5.4	5.5	172.2
97.0	16.596	36.241	26.580	32.1	1.8	-4.5	4.8	157.7
98.0	16.556	36.206	26.562	31.8	-1.3	-1.4	1.9	222.4
99.0	16.539	36.229	26.584	32.1	-1.7	-1.1	1.7	272.4
100.0	16.530	36.190	26.556	31.8	.0	-2.7	2.7	179.3
101.0	16.524	36.144	26.523	32.0	-2.1	.9	2.3	293.6
102.0	16.501	36.138	26.523	31.9	-2.0	-1.5	2.5	232.3
103.0	16.486	36.146	26.533	31.6	-2.9	-3.4	4.1	213.5
104.0	16.476	36.150	26.533	31.6	-3.2	-2.2	3.9	236.3
105.0	16.469	36.154	26.543	31.4	-2.0	-3.3	3.9	210.4
106.0	16.463	36.158	26.547	31.6	-3.9	-1.3	4.1	252.3
107.0	16.457	36.159	26.550	32.1	-3.4	-1.4	3.7	247.6
108.0	16.446	36.158	26.551	32.3	-3.4	-2.3	4.4	230.6
109.0	16.433	36.164	26.559	32.2	-4.7	.8	4.7	260.1
110.0	16.412	36.169	26.563	33.0	-5.1	.7	5.1	277.4
111.0	16.408	36.158	26.556	33.0	-3.3	-2.1	3.9	237.2
112.0	16.393	36.128	26.541	33.4	-5.1	.8	5.1	260.6
113.0	16.356	36.125	26.547	33.5	-2.6	.7	2.7	264.9
114.0	16.320	36.153	26.577	32.9	-3.7	.4	3.7	276.9
115.0	16.337	36.123	26.550	32.6	-5.3	-1.8	5.5	251.2
116.0	16.317	36.155	26.579	32.6	-6.5	-4.3	7.8	236.8
117.0	16.302	36.154	26.582	33.0	-5.7	-4.6	7.4	229.8
118.0	16.301	36.151	26.580	32.5	.5	-4.7	4.8	174.0

Station: 4E
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 55.72 N
 Longitude 93 34.77 W
 Time: Year Day Hour Minute
 1980 298 6 27

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.169	35.9883	23.425	59.5	-17.6	-21.1	27.5	219.8
3.0	27.171	35.9883	23.424	58.7	-24.9	-16.2	29.7	237.0
4.0	27.180	35.978	23.417	58.3	6.3	-11.7	19.3	152.0
5.0	27.181	35.977	23.416	58.6	13.2	6.2	14.6	64.9
6.0	27.175	35.985	23.424	57.9	17.8	-2.2	17.9	96.9
7.0	27.179	35.983	23.422	58.1	18.4	-4.9	19.1	104.9
8.0	27.181	35.978	23.414	58.5	18.1	-5.6	18.9	107.2
9.0	27.172	35.960	23.407	57.8	19.0	-5.4	19.7	106.0
10.0	27.181	35.980	23.435	58.8	18.9	-7.3	20.3	111.2
11.0	27.181	35.986	23.439	58.5	17.4	-5.7	18.3	108.0
12.0	27.184	35.997	23.450	57.8	14.9	-8.8	17.3	120.6
13.0	27.186	35.981	23.434	57.8	15.2	-9.6	17.9	122.2
14.0	27.147	35.978	23.428	57.7	15.5	-10.3	18.6	123.7
15.0	27.150	35.976	23.426	57.9	16.6	-7.7	18.3	115.0
16.0	27.149	35.977	23.426	58.2	17.5	-7.2	18.9	112.3
17.0	27.150	35.976	23.425	57.8	16.2	-7.9	18.0	116.1
18.0	27.151	35.975	23.424	57.6	15.5	-8.5	17.6	118.7
19.0	27.149	35.975	23.425	57.1	15.1	-6.9	16.6	114.5
20.0	27.148	35.973	23.425	56.4	15.1	-7.5	16.8	116.3
21.0	27.140	35.973	23.426	56.7	13.2	-7.1	14.9	118.2
22.0	27.136	35.974	23.429	56.4	12.7	-6.9	14.4	118.5
23.0	27.135	35.982	23.435	56.7	12.4	-6.7	14.1	118.6
24.0	27.150	35.974	23.424	56.1	12.8	-7.5	14.8	120.4
25.0	27.150	35.984	23.432	56.5	15.3	-6.2	16.5	111.9
26.0	27.161	35.975	23.421	55.9	14.1	-8.8	16.7	121.9
27.0	27.164	35.975	23.421	55.7	13.7	-8.7	16.2	122.6
28.0	27.163	35.982	23.426	55.4	14.2	-8.5	16.5	120.8
29.0	27.169	35.979	23.422	55.2	15.6	-8.3	17.7	118.1
30.0	27.170	35.977	23.420	54.9	15.4	-9.1	17.9	120.6
31.0	27.168	35.978	23.421	55.3	15.5	-11.5	19.3	126.6
32.0	27.167	35.978	23.422	55.1	15.8	-11.5	19.5	126.2
33.0	27.166	35.981	23.424	54.9	16.0	-11.5	19.8	125.7
34.0	27.165	35.979	23.423	54.7	16.3	-11.5	20.0	125.3
35.0	27.163	35.980	23.425	54.6	15.8	-7.1	17.4	114.3
36.0	27.168	35.981	23.423	54.3	15.8	-3.8	16.3	103.3
37.0	27.168	35.981	23.423	53.9	16.4	-3.6	16.3	102.4
38.0	27.169	35.986	23.427	53.9	16.8	-3.6	17.2	102.0
39.0	27.171	35.983	23.424	53.6	18.3	-3.6	20.2	115.1
40.0	27.173	35.976	23.418	53.2	18.8	-11.1	21.8	120.5
41.0	27.168	35.991	23.431	53.5	19.3	-10.1	21.3	117.7
42.0	27.154	36.011	23.451	52.9	18.2	-8.1	19.9	113.9
43.0	27.154	36.020	23.453	52.9	17.1	-8.5	19.1	116.6
44.0	27.154	36.024	23.461	52.9	17.2	-8.8	19.3	117.1
45.0	27.154	36.029	23.464	52.8	17.4	-9.1	19.6	117.5
46.0	27.155	36.044	23.475	53.3	17.2	-7.3	18.7	113.1
47.0	27.161	36.065	23.489	53.4	18.3	-6.5	19.4	109.6
48.0	27.164	36.093	23.509	52.7	18.5	-6.7	19.7	109.9
49.0	27.175	36.101	23.512	51.2	16.7	-5.8	17.7	109.1
50.0	27.176	36.116	23.522	52.0	14.1	-5.5	15.2	111.4
51.0	27.143	36.140	23.551	52.1	14.1	-5.3	15.2	112.5
52.0	27.122	36.150	23.566	51.8	15.0	-6.2	16.2	112.5
53.0	27.117	36.146	23.564	52.1	10.4	2.4	10.7	77.1
54.0	27.088	36.181	23.616	51.2	12.1	2.4	12.3	78.9
55.0	27.017	36.085	23.550	50.7	10.8	-1.6	10.3	93.1
56.0	26.708	36.124	23.678	50.8	8.7	-1.8	8.8	101.7
57.0	26.326	36.029	23.728	50.3	6.8	-3.8	7.7	119.2
58.0	25.754	36.257	24.079	49.6	3.9	-2.8	4.8	125.9
59.0	24.529	36.450	24.600	48.6	1.3	-1.6	2.0	141.2
60.0	22.886	36.500	25.123	48.1	2.1	-1.8	2.8	130.3
61.0	22.251	36.510	25.312	47.8	2.5	-3.8	4.5	147.2

Station: 6E
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 55.72 N
 Longitude 93 34.77 W
 Time: Year Day Hour Minute
 1980 298 6 27

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
62.0	21.751	36.515	25.457	47.0	3.0	-4.1	5.1	144.4
63.0	21.340	36.540	25.590	46.6	3.0	-3.6	4.6	140.3
64.0	21.047	36.600	25.717	46.2	1.9	-3.7	3.9	160.6
65.0	20.854	36.617	25.783	45.8	1.2	-1.2	1.7	135.2
66.0	20.664	36.509	25.752	45.6	1.9	1.0	1.2	38.5
67.0	20.374	36.541	25.854	45.0	-1.3	3.4	3.5	354.2
68.0	20.208	36.597	25.942	44.8	-1.8	6.4	6.6	344.6
69.0	20.056	36.584	25.972	45.2	-3.6	4.2	5.6	319.6
70.0	19.894	36.587	26.021	44.8	-3.7	4.0	5.5	317.0
71.0	19.867	36.472	25.937	44.6	-4.5	5.2	6.3	319.3
72.0	19.850	36.454	25.928	44.4	-5.2	6.4	8.2	320.9
73.0	19.804	36.478	25.958	44.3	-4.4	3.4	5.6	308.0
74.0	19.772	36.465	25.957	44.1	-3.9	3.6	4.9	318.1
75.0	19.743	36.331	25.862	44.7	-2.3	3.9	4.5	322.2
76.0	19.539	36.362	25.939	44.1	-3.0	1.9	3.5	302.5
77.0	19.188	36.499	26.135	43.8	-2.6	2.5	3.6	313.8
78.0	19.078	36.558	26.209	43.9	-2.2	2.9	3.7	322.7
79.0	18.977	36.490	26.183	43.5	4.5	-1.3	4.7	106.0
80.0	18.920	36.510	26.213	43.2	1.3	1.1	1.3	87.0
81.0	18.871	36.436	26.169	43.2	-2.0	1.3	2.4	302.7
82.0	18.718	36.530	26.280	43.1	-1.8	.9	2.0	295.2
83.0	18.633	36.494	26.274	42.6	-1.7	-.4	1.8	257.5
84.0	18.472	36.519	26.334	41.9	-1.0	.4	1.1	290.4
85.0	18.395	36.471	26.316	41.0	.1	-1.7	1.7	176.7
86.0	18.330	36.342	26.234	41.0	-1.2	-1.8	2.2	213.5
87.0	18.265	36.448	26.331	41.0	-2.5	-1.9	3.1	232.2
88.0	18.229	36.374	26.284	40.5	-1.6	-2.4	2.9	213.5
89.0	18.174	36.200	26.165	40.4	-5.5	-1.9	5.6	261.1
90.0	17.789	36.210	26.268	37.5	-4.3	-2.8	5.1	237.2
91.0	16.949	36.201	26.465	34.8	-1.5	-3.0	3.3	207.1
92.0	16.690	36.372	26.658	32.3	-3.6	-3.5	5.0	225.4
93.0	16.649	36.250	26.574	31.5	-2.5	-3.5	4.3	216.2
94.0	16.614	36.255	26.586	30.5	-4.0	-4.2	5.8	223.5
95.0	16.610	36.239	26.575	30.5	-4.5	-1.6	4.3	250.1
96.0	16.614	36.215	26.555	30.1	-4.4	-1.1	4.5	255.8
97.0	16.609	36.190	26.537	30.0	-4.4	-3.0	5.3	235.8
98.0	16.604	36.183	26.533	29.9	-4.4	-4.8	6.5	222.0
99.0	16.583	36.212	26.561	30.8	-1.0	-1.3	1.6	216.6
100.0	16.566	36.217	26.568	31.0	-2.8	-1.2	3.1	247.3
101.0	16.549	36.218	26.573	31.6	-6.3	-1.9	6.4	262.2

Station: ZE
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 56.72 N
 Longitude 93 36.86 W
 Time: Year Day Hour Minute
 1980 298 5 15

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.402	36.030	23.385	60.8	27.1	5.4	27.6	78.7
3.0	27.398	36.033	23.385	59.7	29.5	12.4	32.0	67.2
4.0	27.391	36.038	23.395	60.0	36.8	21.7	42.7	59.5
5.0	27.389	36.038	23.395	59.2	40.6	25.6	48.0	57.7
6.0	27.387	36.039	23.397	59.3	34.7	14.2	37.5	67.8
7.0	27.397	36.038	23.396	59.5	34.9	12.6	37.1	70.1
8.0	27.388	36.038	23.395	59.7	35.0	11.1	36.8	72.5
9.0	27.389	36.037	23.395	59.9	35.2	9.5	36.5	74.9
10.0	27.389	36.038	23.395	59.3	32.0	12.1	34.3	69.3
11.0	27.388	36.040	23.397	58.6	29.7	11.6	31.9	68.7
12.0	27.389	36.041	23.397	58.8	29.9	12.1	32.2	68.0
13.0	27.389	36.040	23.397	58.2	31.1	10.8	32.9	70.8
14.0	27.390	36.039	23.395	58.4	31.9	11.3	33.8	70.4
15.0	27.393	36.037	23.393	58.3	30.5	11.7	32.7	68.9
16.0	27.392	36.037	23.393	57.8	27.3	8.6	28.6	72.5
17.0	27.390	36.040	23.396	58.3	27.0	6.9	27.8	75.6
18.0	27.391	36.040	23.396	57.5	26.0	7.9	27.1	73.2
19.0	27.391	36.040	23.396	56.8	25.0	8.8	26.5	70.6
20.0	27.390	36.040	23.396	56.7	26.2	9.1	27.8	70.8
21.0	27.393	36.038	23.394	57.1	29.9	8.2	31.0	74.7
22.0	27.393	36.040	23.396	56.5	28.2	9.3	29.7	71.7
23.0	27.393	36.043	23.398	56.9	26.4	9.0	27.9	71.1
24.0	27.394	36.044	23.398	57.0	25.6	6.1	26.3	76.6
25.0	27.395	36.043	23.397	57.1	26.5	14.2	30.1	61.8
26.0	27.396	36.042	23.396	56.8	26.8	7.5	27.9	74.4
27.0	27.394	36.042	23.397	56.5	29.2	8.8	30.5	73.3
28.0	27.392	36.044	23.398	55.6	30.0	6.7	30.7	77.4
29.0	27.390	36.046	23.401	56.3	33.3	5.4	33.7	80.5
30.0	27.390	36.045	23.400	55.8	29.3	4.7	29.6	80.9
31.0	27.390	36.045	23.400	55.6	26.7	4.8	27.1	79.9
32.0	27.391	36.047	23.401	54.7	24.9	5.8	25.6	76.9
33.0	27.390	36.059	23.410	54.7	24.5	6.3	25.3	75.5
34.0	27.391	36.084	23.430	54.1	23.6	1.9	23.7	85.4
35.0	27.408	36.098	23.434	53.4	25.4	2.8	25.5	83.7
36.0	27.426	36.093	23.425	53.9	29.9	8.6	31.1	74.0
37.0	27.404	36.105	23.441	53.8	28.7	10.0	30.4	70.7
38.0	27.292	36.139	23.502	53.4	25.6	10.0	27.5	68.7
39.0	27.192	36.072	23.484	52.8	25.5	7.9	26.7	72.7
40.0	26.950	36.063	23.555	52.4	25.0	10.7	27.2	66.8
41.0	26.627	36.110	23.694	51.8	24.1	7.1	25.1	73.5
42.0	26.458	36.054	23.705	52.2	22.6	6.7	23.6	73.5
43.0	26.241	36.064	23.731	52.7	23.9	9.5	25.7	68.2
44.0	25.805	36.210	24.028	53.1	28.6	12.5	31.2	66.3
45.0	25.361	36.167	24.133	53.2	29.8	12.6	32.4	67.1
46.0	24.971	36.100	24.201	52.7	27.1	12.8	30.0	64.6
47.0	24.712	36.105	24.284	52.4	24.1	15.3	28.5	57.5
48.0	24.435	36.100	24.364	53.0	24.6	17.6	30.3	54.4
49.0	24.236	35.963	24.320	53.0	21.4	19.6	29.1	47.5
50.0	23.591	36.247	24.726	53.5	22.4	18.9	29.3	49.8
51.0	23.535	36.161	24.677	53.2	19.5	16.6	25.6	49.6
52.0	23.422	36.158	24.708	51.7	22.2	12.0	25.2	61.5
53.0	23.254	36.225	24.808	52.4	21.9	18.3	28.5	50.1
54.0	23.138	36.239	24.852	52.9	24.4	18.5	30.6	52.8
55.0	23.110	36.190	24.823	51.9	22.0	15.9	27.1	54.2
56.0	23.012	36.238	24.888	51.3	23.3	9.9	25.1	68.3
57.0	22.998	36.218	24.877	50.1	20.7	9.1	22.7	66.2
58.0	23.006	36.107	24.791	50.4	23.1	8.5	24.6	69.7
59.0	22.924	36.055	24.775	50.0	21.9	10.0	24.0	65.4
60.0	22.723	36.168	24.918	49.1	20.9	8.3	22.5	68.3
61.0	22.675	36.159	24.925	48.5	23.3	7.7	24.6	71.6

Station: 7E
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 56.72 N
 Longitude 93 36.86 W
 Time: Year Day Hour Minute
 1980 298 5 15

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	22.591	36.185	24.949	48.4	19.0	13.4	23.6	54.9
63.0	22.586	36.186	24.949	50.5	16.2	13.4	21.0	50.4
64.0	22.525	36.182	24.986	48.7	19.6	9.6	21.9	63.4
65.0	22.446	36.232	25.046	47.7	19.9	10.5	22.5	62.2
66.0	22.431	36.238	25.055	47.9	17.7	13.5	22.2	52.6
67.0	22.417	36.233	25.055	48.0	16.3	16.2	23.0	45.1
68.0	22.375	36.285	25.107	47.9	16.5	20.8	26.5	38.4
69.0	22.356	36.266	25.098	47.7	20.2	20.0	28.5	45.3

Station: SE
 Cruise : 80-BS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 56.40 N
 Longitude 93 31.58 W
 Time: Year Day Hour Minute
 1980 298 12 18

Depth m	Temp deg C	Sal Ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	27.177	35.9881	23.4220	61.2	53.2	31.9	62.0	59.0
4.0	27.175	35.9882	23.4222	60.9	53.1	16.0	60.3	74.6
5.0	27.172	35.9885	23.4225	60.9	63.1	12.6	64.3	78.7
6.0	27.174	35.9884	23.4224	61.6	53.7	13.5	61.5	72.5
7.0	27.172	35.9886	23.4226	58.2	49.1	19.4	52.8	68.4
8.0	27.171	35.9889	23.4229	60.2	37.3	19.4	42.5	62.8
9.0	27.171	35.9890	23.4229	60.4	36.7	20.9	42.2	60.3
10.0	27.169	35.9889	23.4229	60.2	30.3	23.0	38.4	53.3
11.0	27.165	35.9891	23.4322	61.2	36.5	21.7	42.4	59.2
12.0	27.169	35.9888	23.4228	60.1	37.2	20.5	42.5	61.2
13.0	27.168	35.9889	23.4229	60.4	38.1	19.5	42.8	62.9
14.0	27.165	35.9891	23.4322	60.2	37.1	21.0	42.7	60.4
15.0	27.166	35.9890	23.4331	59.6	41.4	17.1	44.8	67.5
16.0	27.169	35.9890	23.4330	59.7	40.1	18.4	44.1	65.4
17.0	27.171	35.9890	23.4229	60.1	39.4	21.1	44.7	61.8
18.0	27.169	35.9890	23.4330	59.3	40.4	19.7	45.0	64.0
19.0	27.168	35.9891	23.4331	59.2	39.9	19.1	44.3	64.4
20.0	27.170	35.9889	23.4228	59.3	43.3	17.6	46.3	67.9
21.0	27.171	35.9890	23.4229	58.9	44.6	13.7	46.6	72.9
22.0	27.170	35.9891	23.4330	58.4	39.1	14.1	41.6	70.1
23.0	27.169	35.9892	23.4332	58.1	46.4	4.0	46.5	85.1
24.0	27.170	35.9893	23.4332	58.4	42.3	5.9	43.2	82.2
25.0	27.169	35.9893	23.4332	57.4	42.9	3.6	43.1	85.2
26.0	27.168	35.9894	23.4333	57.1	44.7	-1.5	44.7	90.7
27.0	27.171	35.9892	23.4331	58.0	45.6	6.5	46.0	81.9
28.0	27.171	35.9894	23.4332	58.3	44.3	1.7	44.3	87.9
29.0	27.172	35.9894	23.4332	57.6	42.1	1.3	42.1	88.3
30.0	27.172	35.9895	23.4332	57.5	41.7	.4	41.7	89.5
31.0	27.174	35.9896	23.4333	57.4	40.7	-1.6	40.7	92.2
32.0	27.175	35.9897	23.4334	57.6	40.3	-3.1	40.4	94.4
33.0	27.174	35.9897	23.4334	57.5	37.7	-3.3	37.8	95.0
34.0	27.174	35.9898	23.4334	57.0	36.7	-3.7	36.9	95.7
35.0	27.176	36.012	23.444	56.8	37.9	-4.9	38.2	97.4
36.0	27.174	36.045	23.470	56.5	40.0	-1.8	40.1	92.5
37.0	27.163	36.077	23.498	56.3	40.1	-9.4	41.1	103.2
38.0	27.123	36.129	23.547	56.3	36.8	-11.1	38.4	106.8
39.0	27.057	36.142	23.581	55.6	37.4	-13.0	39.6	109.2
40.0	26.987	36.067	23.546	54.8	33.0	-14.9	40.3	111.4
41.0	26.835	36.032	23.569	54.7	35.7	-15.0	38.7	112.8
42.0	26.691	36.027	23.611	55.0	39.1	-19.9	43.9	117.0
43.0	26.499	36.029	23.673	54.6	36.0	-18.2	40.3	116.9
44.0	26.236	36.112	23.819	54.4	37.0	-19.4	41.7	117.7
45.0	26.041	36.143	23.903	53.2	36.3	-21.6	42.2	120.7
46.0	25.897	35.865	23.738	53.3	35.3	-22.5	41.9	122.5
47.0	25.752	35.684	23.647	53.5	34.4	-23.5	41.6	124.4
48.0	25.156	36.094	24.140	53.6	32.3	-20.9	38.9	122.5
49.0	24.947	36.206	24.239	53.5	28.6	-18.7	34.2	123.1
50.0	24.893	36.210	24.303	53.6	30.3	-19.3	36.0	122.5
51.0	24.812	36.210	24.332	52.5	30.9	-18.0	35.8	120.3
52.0	24.743	36.223	24.367	52.0	30.7	-17.5	35.4	119.7
53.0	24.696	36.219	24.375	52.2	27.2	-15.5	31.3	119.6
54.0	24.535	36.103	24.336	52.1	23.0	-20.4	34.7	126.1
55.0	24.331	36.022	24.336	51.8	25.3	-20.7	33.1	128.8
56.0	23.942	36.110	24.519	51.5	26.1	-21.7	33.9	129.7
57.0	23.553	36.200	24.701	51.3	26.3	-22.6	34.7	130.6
58.0	23.395	36.218	24.761	50.3	25.9	-25.1	36.0	134.1
59.0	23.233	36.236	24.821	50.3	25.4	-27.5	37.5	137.3
60.0	23.161	36.280	24.877	50.2	21.3	-25.8	33.4	140.5
61.0	23.034	36.295	24.910	50.2	17.1	-24.1	29.5	144.6
62.0	23.060	36.197	24.843	49.4	17.0	-19.6	26.0	139.1

Station: SE
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 56.40 N
 Longitude 93 31.58 W
 Time: Year Day Hour Minute
 1980 298 12 18

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
63.0	23.061	36.062	24.741	49.0	15.0	-17.4	23.0	139.3
64.0	22.910	36.137	24.841	48.8	11.7	-15.4	19.4	142.7
65.0	22.767	36.177	24.912	47.8	11.7	-14.9	19.0	141.7
66.0	22.341	36.036	24.927	46.9	7.9	-7.8	11.2	134.7
67.0	21.812	36.205	25.204	45.7	10.7	-8.4	13.6	127.9
68.0	21.307	36.353	25.461	45.7	7.0	-8.0	10.7	133.8
69.0	21.126	36.236	25.418	45.6	6.1	-13.3	14.6	155.4
70.0	20.946	36.403	25.595	45.4	5.1	-18.6	19.3	164.5
71.0	20.766	36.447	25.677	45.2	4.2	-23.6	24.2	170.0
72.0	20.586	36.445	25.740	45.7	-2.2	-21.1	21.2	185.9
73.0	20.485	36.426	25.737	45.2	1.3	-27.3	27.3	177.3
74.0	20.403	36.423	25.757	45.7	.3	-36.5	36.5	179.6
75.0	20.360	36.408	25.757	44.3	9.0	-37.1	38.2	166.4
76.0	20.293	36.353	25.732	45.0	11.0	-40.0	41.5	164.6
77.0	20.241	36.217	25.643	44.4	13.1	-38.6	40.7	161.3
78.0	20.181	36.156	25.613	44.9	22.0	-36.4	42.5	148.3
79.0	19.810	36.285	25.810	44.8	25.4	-32.0	40.9	141.5
80.0	19.682	36.313	25.868	44.9	27.3	-29.6	40.6	136.3
81.0	19.437	36.503	26.074	45.1	30.0	-27.4	40.7	132.5
82.0	19.409	36.428	26.024	45.4	30.7	-28.0	41.6	132.3
83.0	19.397	36.282	25.915	45.5	31.8	-27.2	41.8	130.5
84.0	19.283	36.224	25.901	42.3	33.0	-28.5	43.6	130.7
85.0	19.026	36.291	26.018	40.1	32.5	-29.1	43.6	131.9
86.0	18.770	36.317	26.104	37.4	31.9	-29.7	43.6	133.0
87.0	18.513	36.001	25.927	34.7	31.3	-30.4	43.6	134.1
88.0	18.100	36.173	26.162	32.7	30.9	-30.9	43.7	135.0
89.0	17.532	36.181	26.309	31.8	30.0	-31.0	43.1	136.0
90.0	17.240	36.259	26.439	30.7	30.3	-30.4	42.9	135.1
91.0	17.141	36.270	26.472	24.6	31.9	-32.5	45.5	135.6
92.0	17.112	36.212	26.434	24.2	33.7	-34.1	48.0	135.3
93.0	17.081	36.188	26.423	23.7	32.7	-32.2	45.9	134.6
94.0	17.057	36.166	26.412	24.6	32.1	-31.3	45.1	134.7
95.0	17.021	36.159	26.416	24.6	32.3	-32.7	46.0	135.4
96.0	16.960	36.136	26.451	25.5	31.2	-30.6	43.7	134.4
97.0	16.947	36.184	26.453	25.3	33.2	-32.3	46.3	134.2
98.0	16.936	36.179	26.451	25.0	35.3	-34.5	49.7	134.0
99.0	16.923	36.188	26.461	24.9	34.3	-33.0	48.0	133.5
100.0	16.810	36.197	26.471	24.7	33.3	-31.6	46.2	133.1
101.0	16.885	36.207	26.485	24.8	34.4	-31.5	46.6	132.5
102.0	16.860	36.206	26.490	24.3	35.0	-31.3	47.0	131.9
103.0	16.830	36.211	26.501	24.8	33.0	-31.3	49.2	129.5
104.0	16.791	36.203	26.503	24.9	36.6	-31.3	48.4	131.0
105.0	16.743	36.234	26.539	24.5	37.2	-32.5	49.4	131.1
106.0	16.713	36.200	26.520	24.5	36.1	-32.3	48.3	132.3
107.0	16.360	36.310	26.683	30.3	38.4	-33.2	50.3	130.9
108.0	16.226	36.185	26.623	32.5	34.0	-34.7	48.6	135.6
109.0	16.198	36.200	26.641	32.9	38.6	-33.1	50.8	130.7
110.0	16.085	36.220	26.683	32.3	35.1	-32.4	47.3	132.7
111.0	15.989	36.206	26.694	31.6	33.9	-35.7	49.2	136.5

Station: 9E
 Cruise : 60-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.07 N
 Longitude 93 40.41 W
 Time: Year Day Hour Minute
 1960 298 10 29

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	26.947	35.776	23.340	59.5	62.8	-15.0	64.6	103.4
2.0	26.955	35.774	23.333	59.2	59.0	-12.0	60.2	101.5
3.0	26.954	35.818	23.369	60.0	37.8	-1.7	37.9	92.5
4.0	27.014	35.784	23.325	60.4	34.1	-4.8	34.4	93.0
5.0	27.036	35.791	23.333	60.3	38.5	-6.5	39.4	102.4
6.0	27.019	35.871	23.388	60.6	39.0	-5.8	39.4	93.4
7.0	27.112	35.856	23.348	60.2	49.7	-5.9	50.0	96.7
8.0	27.119	35.859	23.355	59.7	53.6	-9.0	54.3	99.5
9.0	27.115	35.893	23.374	60.3	59.0	-12.1	60.2	101.6
10.0	27.119	35.910	23.386	59.6	57.6	-15.5	59.6	105.0
11.0	27.126	35.917	23.389	59.5	57.6	-16.8	60.0	106.9
12.0	27.134	35.920	23.389	59.3	57.7	-18.1	60.4	107.5
13.0	27.137	35.918	23.386	59.6	55.6	-18.1	58.5	108.0
14.0	27.142	35.927	23.391	59.3	55.8	-17.2	58.4	107.2
15.0	27.145	35.935	23.396	59.1	55.9	-16.7	58.3	106.6
16.0	27.149	35.936	23.396	59.5	55.2	-18.1	58.1	108.2
17.0	27.155	35.938	23.396	59.6	57.0	-17.8	59.7	107.4
18.0	27.156	35.941	23.397	58.8	53.5	-18.6	56.7	109.1
19.0	27.159	35.941	23.396	59.4	55.8	-18.9	58.9	108.7
20.0	27.162	35.940	23.399	59.7	55.1	-18.8	58.3	108.3
21.0	27.162	35.940	23.395	59.2	54.8	-19.1	58.0	109.2
22.0	27.162	35.943	23.397	59.3	55.4	-18.6	58.5	108.6
23.0	27.163	35.973	23.419	59.3	54.2	-18.8	57.3	109.1
24.0	27.173	35.991	23.423	58.6	53.7	-21.3	57.8	111.6
25.0	27.190	35.994	23.424	58.3	52.7	-22.0	57.1	112.7
26.0	27.203	36.003	23.423	58.0	51.7	-22.8	56.5	113.8
27.0	27.192	36.030	23.453	57.7	51.7	-22.0	56.2	113.1
28.0	27.166	36.066	23.487	57.4	49.9	-22.6	55.2	113.3
29.0	27.118	36.104	23.532	57.0	49.8	-24.7	55.6	114.4
30.0	27.088	36.125	23.553	56.9	50.2	-23.5	55.4	113.1
31.0	27.084	36.119	23.554	56.2	48.4	-23.9	53.7	115.7
32.0	27.071	36.106	23.549	56.5	49.9	-23.6	55.2	115.3
33.0	27.004	36.125	23.584	56.4	47.6	-23.9	55.5	115.1
34.0	26.899	36.164	23.647	55.9	51.9	-23.9	56.7	113.8
35.0	26.825	36.137	23.651	55.2	52.4	-23.2	57.3	113.9
36.0	26.737	36.130	23.674	55.5	53.7	-24.6	59.1	114.6
37.0	26.624	36.191	23.756	54.8	50.2	-23.5	55.5	115.1
38.0	26.549	36.222	23.802	54.4	51.8	-24.6	57.4	115.4
39.0	26.459	36.221	23.830	54.2	52.3	-24.7	57.9	115.2
40.0	26.369	36.226	23.863	54.0	52.9	-24.7	58.3	115.1
41.0	26.225	36.174	23.889	54.3	52.9	-24.9	58.5	115.2
42.0	26.105	36.071	23.829	53.6	52.3	-26.3	58.6	116.7
43.0	25.824	36.171	23.992	53.1	52.8	-24.8	58.4	115.2
44.0	25.466	36.087	24.040	54.2	52.2	-23.6	57.3	114.3
45.0	25.235	36.207	24.201	53.2	50.7	-24.6	56.4	115.9
46.0	25.070	36.306	24.327	54.1	52.6	-24.8	58.2	115.2
47.0	25.055	36.293	24.321	54.0	46.3	-22.7	51.5	116.1
48.0	25.022	36.253	24.302	53.1	53.1	-23.6	53.1	114.0
49.0	24.937	36.244	24.320	53.3	49.2	-22.4	54.1	114.5
50.0	24.862	36.227	24.331	53.0	49.0	-22.7	54.0	114.9
51.0	24.741	36.247	24.383	53.0	47.8	-20.4	52.0	113.1
52.0	24.502	36.146	24.373	52.6	46.1	-19.6	50.1	113.1
53.0	24.263	36.176	24.473	52.2	44.5	-18.9	48.3	113.0
54.0	24.140	36.253	24.563	52.3	42.4	-16.4	45.5	111.2
55.0	24.073	36.242	24.573	52.3	45.4	-19.9	49.6	113.7
56.0	24.016	36.213	24.574	51.4	45.4	-19.0	49.2	112.7
57.0	23.961	36.208	24.587	51.1	45.5	-19.0	49.3	112.7
58.0	23.888	36.186	24.592	51.0	49.0	-19.5	52.7	111.7
59.0	23.780	36.210	24.642	50.9	48.1	-14.4	50.2	106.7
60.0	23.681	36.242	24.695	50.9	46.7	-11.6	48.1	104.0

Station: 9F
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 54.07 N
 Longitude 93 40.41 W
 Time: Year Day Hour Minute
 1980 298 10 29

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	23.591	36.183	24.678	50.9	51.8	-11.0	52.9	102.0
62.0	23.348	36.203	24.758	50.9	54.8	-10.6	55.8	101.0
63.0	23.179	36.187	24.801	50.7	56.6	-16.1	59.4	107.7
64.0	22.983	36.327	24.964	50.5	59.6	-20.5	63.0	108.9
65.0	22.958	36.289	24.944	50.0	59.2	-21.0	62.8	109.5
66.0	22.961	36.140	24.828	50.4	62.6	-21.3	66.2	108.8
67.0	22.960	36.000	24.723	49.4	59.4	-22.1	63.4	110.4
68.0	22.702	36.049	24.834	49.5	59.4	-22.1	63.3	110.4
69.0	22.445	36.209	25.029	49.6	59.3	-22.1	63.3	110.4
70.0	22.224	36.151	25.047	48.4	59.1	-20.8	62.6	109.4
71.0	21.868	36.333	25.286	48.3	60.3	-15.1	62.2	104.1
72.0	21.803	36.270	25.256	46.7	60.5	-20.8	63.9	109.0
73.0	21.611	36.236	25.284	45.5	63.6	-19.8	66.6	107.3
74.0	20.825	36.415	25.637	44.0	64.5	-20.5	67.6	107.6
75.0	20.711	36.384	25.644	44.2	65.9	-19.6	68.9	106.5
76.0	20.524	36.396	25.703	45.4	65.1	-19.2	67.9	103.5
77.0	20.436	36.376	25.712	45.8	67.7	-19.3	70.4	105.9
78.0	20.338	36.430	25.780	45.0	65.1	-18.8	67.8	103.1
79.0	20.257	36.318	25.716	45.1	65.7	-18.6	68.3	105.8
80.0	20.170	36.300	25.725	44.7	66.2	-19.8	69.1	106.6
81.0	20.015	36.341	25.798	42.5	64.9	-17.9	67.4	105.4
82.0	19.823	36.271	25.795	42.1	66.2	-17.4	68.4	104.3
83.0	19.630	36.439	25.974	41.6	67.4	-16.9	69.5	104.1
84.0	19.605	36.384	25.939	42.0	65.2	-18.0	67.6	105.5
85.0	19.586	36.350	25.918	41.9	67.2	-20.4	70.2	106.9
86.0	19.580	36.321	25.897	41.3	66.3	-21.9	69.9	103.3
87.0	19.577	36.258	25.850	40.6	67.0	-22.7	70.8	108.7
88.0	19.521	36.210	25.823	41.1	65.4	-23.4	69.4	109.7
89.0	19.412	36.155	25.815	40.6	66.2	-22.8	70.0	109.0
90.0	19.309	36.222	25.892	40.0	66.1	-25.0	70.7	110.7
91.0	19.037	36.111	25.878	40.9	64.0	-23.3	68.1	110.0
92.0	18.118	36.111	26.111	38.7	65.0	-24.7	69.5	110.6
93.0	17.698	36.155	26.248	40.8	64.1	-24.7	68.6	111.1
94.0	17.615	36.150	26.265	41.4	64.1	-24.6	68.6	111.0
95.0	17.524	36.152	26.288	41.1	64.3	-21.8	67.9	108.7

Station: 10E
 Cruise : 80-BB-1
 Ship : BAL TIC SEAL
 Position: Latitude 27 53.43 N
 Longitude 93 34.16 W
 Time: Year Day Hour Minute
 1980 298 8 25

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	27.108	35.974	23.438	60.4	18.2	-27.3	32.8	146.2
2.0	27.109	35.973	23.437	60.1	17.2	-26.9	31.9	147.4
3.0	27.110	35.972	23.435	59.8	16.6	-30.8	35.0	151.7
4.0	27.109	35.973	23.437	60.6	24.5	-27.7	37.0	138.6
5.0	27.111	35.973	23.436	61.0	25.2	-30.7	39.7	140.6
6.0	27.109	35.975	23.438	60.6	26.7	-29.9	40.1	138.2
7.0	27.106	35.974	23.440	60.9	22.2	-28.2	35.9	141.8
8.0	27.113	35.974	23.436	60.3	23.4	-28.7	37.1	140.9
9.0	27.113	35.971	23.434	60.2	23.4	-28.5	36.6	140.7
10.0	27.109	35.974	23.437	60.2	24.1	-29.3	37.8	140.4
11.0	27.109	35.974	23.437	59.7	25.2	-29.3	38.6	139.3
12.0	27.111	35.974	23.436	59.6	24.4	-27.3	36.6	138.3
13.0	27.110	35.974	23.437	59.5	23.6	-27.7	36.4	139.6
14.0	27.111	35.973	23.436	58.8	22.8	-26.7	35.1	139.5
15.0	27.113	35.972	23.435	59.1	22.7	-26.5	34.9	139.4
16.0	27.115	35.972	23.434	59.5	22.6	-26.3	34.7	139.3
17.0	27.116	35.972	23.434	59.4	22.3	-26.2	34.4	139.6
18.0	27.114	35.975	23.437	58.7	22.0	-25.7	33.8	139.4
19.0	27.116	35.971	23.433	58.5	22.6	-25.7	34.2	138.6
20.0	27.116	35.971	23.433	57.7	24.2	-25.7	35.3	136.8
21.0	27.116	35.973	23.434	57.8	21.8	-24.6	32.9	138.5
22.0	27.116	35.974	23.435	57.7	23.9	-25.2	34.7	136.6
23.0	27.116	35.974	23.435	57.9	25.6	-24.5	35.5	133.8
24.0	27.116	35.974	23.435	57.0	23.5	-24.7	34.1	136.5
25.0	27.114	35.974	23.435	57.0	24.3	-24.4	34.5	135.1
26.0	27.113	35.974	23.436	57.1	24.1	-23.5	33.6	134.3
27.0	27.114	35.973	23.435	56.9	23.5	-24.5	34.0	136.2
28.0	27.115	35.973	23.435	56.2	22.6	-23.3	32.8	136.6
29.0	27.115	35.976	23.437	56.5	23.3	-24.4	33.3	136.3
30.0	27.115	35.973	23.435	56.9	24.1	-24.9	34.6	136.0
31.0	27.116	35.974	23.435	56.8	23.1	-23.1	32.7	135.0
32.0	27.115	35.976	23.437	56.4	22.4	-23.2	32.2	135.9
33.0	27.114	35.979	23.439	56.1	23.1	-23.9	34.7	133.6
34.0	27.117	35.973	23.437	56.8	21.7	-21.7	30.7	135.0
35.0	27.126	35.983	23.438	56.4	21.0	-21.5	30.0	135.7
36.0	27.136	35.981	23.434	55.9	20.7	-20.6	29.2	134.8
37.0	27.139	35.990	23.440	55.9	21.1	-20.7	29.6	134.5
38.0	27.136	35.995	23.444	55.5	19.9	-20.1	28.3	135.2
39.0	27.136	35.998	23.446	56.1	20.2	-20.8	29.0	135.8
40.0	27.139	35.999	23.447	55.8	20.4	-19.7	28.4	134.0
41.0	27.139	36.003	23.450	55.4	18.9	-18.9	26.7	135.0
42.0	27.144	36.009	23.452	55.4	19.7	-18.9	27.3	133.8
43.0	27.150	36.010	23.451	55.4	20.5	-19.9	27.8	132.7
44.0	27.152	36.015	23.454	55.2	19.0	-18.9	26.8	134.8
45.0	27.151	36.020	23.458	55.2	22.1	-19.3	29.3	131.0
46.0	27.163	36.022	23.456	54.9	21.7	-18.6	28.6	130.7
47.0	27.167	36.052	23.477	54.8	22.2	-18.9	29.2	130.4
48.0	27.190	36.050	23.469	54.4	22.6	-17.2	28.4	127.3
49.0	27.200	36.058	23.471	53.7	21.5	-17.0	27.4	126.3
50.0	27.208	36.065	23.473	53.9	23.4	-18.4	29.3	128.3
51.0	27.212	36.067	23.474	54.0	22.4	-15.6	27.3	124.8
52.0	27.217	36.092	23.491	53.5	22.7	-15.7	27.6	124.6
53.0	27.217	36.106	23.502	52.8	23.5	-14.8	27.9	122.1
54.0	27.207	36.126	23.520	52.6	22.9	-15.3	27.5	123.7
55.0	27.204	36.134	23.527	52.9	24.3	-15.0	28.5	121.7
56.0	27.200	36.137	23.531	53.3	25.7	-14.7	29.6	119.9
57.0	27.197	36.118	23.517	52.8	25.2	-17.5	30.7	124.7
58.0	27.157	36.074	23.497	52.9	25.2	-16.1	29.9	122.5
59.0	27.030	36.058	23.525	51.8	24.9	-21.3	32.8	130.5
60.0	26.794	36.131	23.656	51.5	25.4	-22.5	33.9	131.6

Station: 10E
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 53.43 N
 Longitude 93 34.16 W
 Time: Year Day Hour Minute
 1980 298 8 25

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	26.362	36.251	26.884	51.9	26.7	-23.8	35.8	131.8
62.0	26.207	36.287	26.959	50.7	26.9	-23.0	36.3	136.1
63.0	25.519	36.060	24.003	51.0	30.3	-23.9	38.6	128.3
64.0	23.734	36.070	24.550	50.3	28.5	-17.0	33.2	120.9
65.0	22.469	36.100	24.939	49.0	25.9	-14.9	29.9	120.0
66.0	21.570	36.225	25.287	48.9	21.7	-7.6	23.0	109.2
67.0	21.156	35.990	25.223	48.4	13.1	-5.8	14.3	114.1
68.0	21.045	36.000	25.261	48.5	14.2	-11.5	18.2	129.0
69.0	19.219	36.150	25.861	46.5	8.6	-19.2	21.0	155.8
70.0	19.181	36.391	26.055	46.4	11.6	-10.0	15.3	130.7
71.0	19.143	36.355	26.037	46.3	14.5	-7.7	14.5	92.8
72.0	19.105	36.371	26.059	46.2	17.5	8.5	19.4	64.0
73.0	19.087	36.387	26.076	46.2	26.6	-1.8	26.7	93.8
74.0	19.073	36.378	26.072	45.9	31.1	-14.7	34.4	119.3
75.0	18.978	36.430	26.137	45.1	32.9	-12.6	33.4	110.9
76.0	18.925	36.414	26.139	45.1	33.0	-13.9	35.8	112.9
77.0	18.905	36.419	26.147	44.5	32.5	-13.6	35.2	112.7
78.0	18.874	36.398	26.139	43.9	31.6	-13.0	34.2	113.3
79.0	18.812	36.404	26.159	43.3	30.6	-13.2	33.4	113.3
80.0	18.785	36.373	26.143	43.5	30.2	-14.1	33.3	115.0
81.0	18.758	36.325	26.113	43.7	29.8	-14.9	33.3	116.6
82.0	18.717	36.326	26.124	43.4	30.4	-16.2	34.5	118.1
83.0	18.652	36.353	26.161	43.9	29.7	-14.9	33.2	116.6
84.0	18.636	36.333	26.150	43.4	29.2	-13.9	32.9	115.5
85.0	18.612	36.326	26.151	43.3	26.8	-12.7	29.6	115.3
86.0	18.571	36.335	26.163	44.1	26.0	-13.4	29.3	117.2
87.0	18.514	36.332	26.181	42.9	27.9	-12.4	30.5	113.9
88.0	18.456	36.317	26.183	41.7	29.8	-11.4	31.9	110.9
89.0	18.375	36.241	26.146	40.4	32.0	-11.3	34.0	109.5
90.0	18.279	36.203	26.141	41.1	32.6	-9.9	34.1	106.8
91.0	18.176	36.141	26.119	41.2	30.5	-12.1	32.9	111.7
92.0	18.030	36.137	26.153	42.4	30.2	-12.4	32.7	112.3
93.0	17.867	36.194	26.236	42.8	30.3	-11.8	32.6	111.3
94.0	17.640	36.244	26.331	44.7	33.1	-10.4	34.7	107.5
95.0	17.422	36.343	26.459	44.9	33.1	-8.7	34.2	104.8
96.0	17.275	36.354	26.504	44.7	33.3	-10.0	34.8	106.7
97.0	17.161	36.295	26.486	45.1	33.8	-10.5	35.4	107.3
98.0	17.086	36.201	26.432	45.0	34.2	-11.0	35.9	107.9
99.0	16.980	36.246	26.492	44.8	33.9	-11.5	35.8	108.7
100.0	16.873	36.254	26.524	44.5	33.6	-11.9	35.6	109.5
101.0	16.752	36.221	26.527	44.6	33.7	-10.8	35.4	107.8
102.0	16.627	36.302	26.619	44.5	34.6	-10.8	36.3	107.3
103.0	16.580	36.157	26.519	44.5	33.3	-9.6	34.6	106.1
104.0	16.207	36.103	26.565	45.0	34.4	-13.2	36.8	111.0
105.0	16.018	36.073	26.586	44.4	31.6	-15.5	35.2	116.1
106.0	15.923	36.096	26.625	44.1	29.8	-14.7	33.2	116.2
107.0	15.834	36.113	26.658	43.5	29.7	-13.9	32.8	115.1
108.0	15.807	36.059	26.624	42.5	28.7	-14.5	32.2	116.8
109.0	15.779	36.057	26.628	41.6	27.7	-15.1	31.6	118.6
110.0	15.737	36.067	26.646	41.0	27.8	-11.6	30.1	112.7
111.0	15.714	36.073	26.656	39.7	28.1	-13.3	31.1	115.3
112.0	15.690	36.073	26.661	38.5	28.4	-15.0	32.1	117.8
113.0	15.672	36.079	26.669	38.4	29.9	-13.4	32.7	114.1
114.0	15.638	36.029	26.639	41.0	32.9	-11.6	34.9	109.4
115.0	15.590	35.972	26.606	42.6	31.2	-10.0	32.7	107.8
116.0	15.505	36.148	26.761	43.2	29.7	-9.7	31.3	108.2
117.0	15.452	36.097	26.734	42.9	29.9	-10.8	31.8	109.8
118.0	15.408	36.119	26.760	40.6	27.3	-8.5	28.6	107.3

Station: 12E
 Cruise : 80-88-1
 Ship : BALTIC SEAL
 Position: Latitude 27 56.13 N
 Longitude 93 37.28 W
 Time: Year Day Hour Minute
 1980 298 9 43

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
1.0	27.097	35.941	23.416	61.1	30.9	-3.9	31.0	97.2
2.0	27.097	35.940	23.416	61.4	26.8	-1.8	26.8	91.7
3.0	27.095	35.941	23.417	61.0	17.9	-4.6	19.5	104.8
4.0	27.093	35.944	23.419	60.9	9.8	-1.1	9.8	89.3
5.0	27.093	35.944	23.420	60.6	11.0	-2.8	11.4	75.8
6.0	27.093	35.944	23.420	60.3	12.5	-6.2	14.0	116.5
7.0	27.095	35.944	23.419	61.0	13.2	-2.1	13.4	99.0
8.0	27.096	35.943	23.418	61.2	16.8	-1.3	16.8	91.0
9.0	27.098	35.942	23.416	60.4	18.9	-4.9	19.4	102.9
10.0	27.096	35.944	23.419	60.7	15.8	-11.7	19.7	126.5
11.0	27.096	35.943	23.418	60.4	11.0	-11.6	16.0	136.4
12.0	27.097	35.942	23.417	59.7	11.5	-14.2	18.2	141.1
13.0	27.095	35.945	23.420	59.8	8.7	-22.8	24.4	159.2
14.0	27.098	35.943	23.417	60.9	13.2	-14.0	23.9	127.6
15.0	27.097	35.946	23.420	59.6	12.1	-14.8	19.7	139.9
16.0	27.099	35.944	23.417	59.5	14.0	-14.3	20.0	135.6
17.0	27.098	35.944	23.418	59.8	15.0	-15.4	21.5	135.8
18.0	27.097	35.945	23.419	59.7	14.5	-16.9	22.3	139.5
19.0	27.099	35.946	23.419	59.4	17.9	-16.7	22.5	127.6
20.0	27.099	35.945	23.418	58.9	19.2	-11.4	22.3	120.8
21.0	27.106	35.947	23.417	58.7	21.5	-13.1	25.2	121.3
22.0	27.111	35.951	23.419	59.3	18.8	-14.2	23.6	127.1
23.0	27.121	35.944	23.411	59.8	17.6	-15.8	23.4	131.0
24.0	27.131	35.951	23.413	59.2	16.4	-16.4	23.2	134.9
25.0	27.145	35.954	23.410	58.7	18.5	-16.1	25.9	134.4
26.0	27.159	35.972	23.419	58.6	17.7	-17.4	24.8	134.5
27.0	27.161	35.983	23.420	58.4	17.9	-16.9	25.6	135.7
28.0	27.218	36.004	23.425	58.6	18.4	-17.7	25.5	134.0
29.0	27.243	36.028	23.435	58.9	17.7	-18.6	25.6	136.5
30.0	27.250	36.066	23.461	57.9	16.7	-19.4	25.6	139.3
31.0	27.238	36.076	23.473	57.9	16.9	-16.7	23.7	134.6
32.0	27.227	36.081	23.480	57.9	17.0	-13.9	21.9	129.2
33.0	27.223	36.085	23.484	58.0	20.3	-14.2	24.8	124.9
34.0	27.222	36.093	23.490	58.4	21.0	-12.8	24.6	121.4
35.0	27.233	36.101	23.492	57.3	24.1	-12.8	27.3	118.0
36.0	27.182	36.123	23.526	57.4	23.4	-12.6	26.6	118.3
37.0	27.056	36.203	23.627	57.0	24.1	-13.4	27.6	119.1
38.0	26.840	36.180	23.673	56.2	22.9	-12.5	26.1	113.7
39.0	26.597	36.079	23.680	56.8	23.2	-10.4	25.4	114.1
40.0	26.145	36.279	23.973	55.3	21.7	-8.5	23.3	111.4
41.0	25.422	36.270	24.191	56.0	19.1	-8.2	20.8	113.3
42.0	24.952	36.300	24.353	56.3	17.7	-7.3	19.2	112.4
43.0	24.670	36.274	24.424	55.5	16.5	-7.4	18.0	114.3
44.0	24.520	36.000	24.262	55.3	15.2	-6.5	16.5	113.2
45.0	23.815	36.059	24.518	55.4	12.9	-8.0	15.2	121.8
46.0	23.472	36.254	24.766	55.0	13.0	-12.7	18.2	134.2
47.0	23.394	36.245	24.782	55.0	14.2	-14.2	20.1	135.0
48.0	23.362	36.193	24.756	54.9	14.6	-17.3	23.0	140.7
49.0	23.215	36.060	24.694	54.3	14.3	-15.4	21.0	137.1
50.0	23.067	36.036	24.757	53.7	14.1	-13.0	19.2	132.8
51.0	22.787	36.303	25.004	54.3	11.7	-10.3	15.6	131.5
52.0	22.648	36.243	25.000	54.7	13.2	-10.4	16.8	128.3
53.0	22.407	36.373	25.164	54.5	13.1	-8.9	15.9	124.2
54.0	22.346	36.377	25.184	54.4	11.0	-10.1	14.9	132.7
55.0	22.323	36.347	25.168	54.7	11.3	-10.6	15.5	133.4
56.0	22.200	36.364	25.216	54.4	10.5	-13.4	17.0	142.0
57.0	22.148	36.297	25.180	53.7	12.5	-12.8	17.9	135.7
58.0	22.085	36.252	25.163	52.8	9.6	-14.3	17.2	146.2
59.0	22.057	36.177	25.115	51.8	11.3	-13.9	17.9	140.9
60.0	21.851	36.290	25.259	51.9	10.6	-13.1	16.8	141.2

Station: 12E
 Cruise : 80-BG-1
 Ship : BALTIC SEAL
 Position: Latitude 27 56.13 N
 Longitude 93 37.28 W
 Time: Year Day Hour Minute
 1980 298 9 43

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	21.645	36.427	25.420	52.0	9.8	-12.4	15.8	141.5
62.0	21.623	36.303	25.332	52.0	8.6	-10.2	13.3	139.7
63.0	21.590	36.293	25.333	50.6	4.9	-8.2	9.5	148.9
64.0	21.574	36.296	25.340	50.9	7.8	-12.3	14.6	147.5
65.0	21.575	36.285	25.332	50.7	8.9	-13.6	16.2	146.9
66.0	21.577	36.280	25.327	50.7	5.6	-10.8	12.1	152.7
67.0	21.570	36.277	25.327	49.8	7.1	-10.0	12.2	144.6
68.0	21.562	36.271	25.324	49.7	10.2	-7.8	12.8	127.5
69.0	21.558	36.269	25.324	49.4	14.2	-8.7	16.7	121.4
70.0	21.533	36.273	25.334	49.2	16.3	-9.7	18.9	120.7
71.0	21.513	36.306	25.364	48.9	16.1	-7.6	17.8	115.2
72.0	21.504	36.296	25.360	48.6	16.9	-10.5	19.9	121.8
73.0	21.492	36.297	25.364	48.1	16.6	-10.6	19.7	122.5

Station: D17-1
 Cruise : 80-B9-1
 Ship : BALTIC SEAL
 Position: Latitude 27 52.00 N
 Longitude 93 48.92 W
 Time: Year Day Hour Minute
 1980 296 15 50

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.146	33.0338	21.969	55.7	17.2	-33.7	37.8	152.9
3.0	27.155	33.0664	21.686	55.4	17.0	-37.7	41.6	155.7
4.0	27.159	33.0558	21.604	55.7	19.1	-37.2	41.8	152.8
5.0	27.167	33.0531	21.581	55.1	26.2	-32.4	41.6	141.1
6.0	27.166	33.0510	21.566	54.8	26.9	-30.7	40.8	139.8
7.0	27.166	33.0489	21.550	54.7	27.2	-30.7	41.0	138.8
8.0	27.165	33.0522	21.575	54.6	27.5	-30.7	41.2	138.1
9.0	27.165	33.0513	21.568	54.4	27.9	-30.7	41.5	137.8
10.0	27.166	33.0511	21.567	55.0	28.2	-28.6	40.2	135.4
11.0	27.164	33.0520	21.574	55.1	29.5	-26.2	39.5	131.6
12.0	27.165	33.0521	21.575	54.5	28.1	-23.4	36.6	129.8
13.0	27.165	33.0518	21.572	54.5	26.9	-19.8	33.4	126.8
14.0	27.164	33.0614	21.645	54.4	26.7	-18.2	32.8	124.4
15.0	27.163	33.0668	21.636	54.8	27.6	-20.8	34.2	126.8
16.0	27.165	33.0672	21.638	54.5	25.6	-15.1	29.7	120.5
17.0	27.165	33.0675	21.640	53.9	28.8	-19.9	35.0	124.6
18.0	27.165	33.0686	21.649	54.4	28.5	-16.9	34.2	123.6
19.0	27.167	33.0685	21.647	53.7	28.5	-22.8	36.2	128.0
20.0	27.165	33.0909	21.666	53.8	28.3	-20.6	35.0	126.1
21.0	27.166	33.0659	21.628	53.5	27.1	-20.9	34.2	127.5
22.0	27.165	34.0221	22.100	53.4	26.7	-21.8	34.5	129.2
23.0	27.165	34.0886	21.999	53.8	24.0	-18.6	32.0	125.5
24.0	27.165	34.037	21.962	53.4	24.7	-18.5	30.8	126.9
25.0	27.166	34.028	21.955	53.0	27.8	-15.5	31.8	119.2
26.0	27.166	34.010	21.942	53.9	27.2	-17.9	32.6	123.9
27.0	27.165	34.022	21.951	53.2	24.6	-17.5	31.8	123.8
28.0	27.164	34.012	21.944	53.5	26.4	-15.6	30.6	120.5
29.0	27.164	34.010	21.942	53.5	27.0	-17.2	32.1	122.5
30.0	27.167	34.012	21.943	53.0	26.0	-19.3	34.0	124.6
31.0	27.167	34.008	21.940	52.8	32.8	-24.2	40.8	126.8
32.0	27.168	33.987	21.924	52.8	28.8	-20.7	35.4	125.7
33.0	27.165	33.970	21.937	53.1	27.6	-16.0	31.9	120.1
34.0	27.167	33.987	21.949	52.9	27.8	-17.1	32.7	121.6
35.0	27.169	33.988	21.949	51.9	27.3	-15.2	31.3	119.1
36.0	27.168	33.991	21.951	52.8	27.4	-14.5	31.0	118.0
37.0	27.167	33.991	21.952	52.5	28.7	-16.8	33.2	120.8
38.0	27.168	33.994	21.954	51.2	29.7	-16.1	33.8	118.4
39.0	27.168	33.984	21.946	51.6	28.7	-15.2	32.5	117.9
40.0	27.168	33.988	21.946	51.5	29.0	-15.6	33.0	118.8
41.0	27.167	33.988	21.945	51.6	34.3	-23.1	41.3	124.0
42.0	27.167	33.988	21.945	51.7	33.2	-22.2	39.9	123.8
43.0	27.167	33.9877	21.942	51.7	33.1	-21.3	38.5	123.6
44.0	27.167	33.9874	21.939	51.0	29.6	-18.0	34.6	121.2
45.0	27.168	33.9871	21.937	50.8	27.0	-14.2	30.5	117.8
46.0	27.164	33.9866	21.934	50.9	26.0	-12.6	28.9	115.8
47.0	27.132	33.9876	21.952	50.2	27.8	-14.7	31.4	117.9
48.0	27.079	33.9881	21.973	50.2	29.5	-15.9	33.5	118.4
49.0	27.022	33.9752	21.794	50.7	28.6	-15.5	32.5	118.4
50.0	27.015	33.9598	21.681	50.3	28.9	-18.8	29.1	117.8
51.0	27.014	33.9757	21.800	49.4	27.5	-15.6	31.6	119.6
52.0	26.993	33.9615	21.700	49.6	27.4	-16.6	32.0	121.1
53.0	26.969	33.9390	21.589	49.6	26.0	-15.8	30.1	120.5

Station: M17-2
 Cruise : 80-RS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.43 N
 Longitude 93 48.82 W
 Time: Year Day Hour Minute
 1980 296 16 27

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.147	95.9882	23.431	53.8	2.9	-44.5	44.6	176.3
3.0	27.142	95.9885	23.435	54.5	14.9	-43.0	45.5	160.3
4.0	27.148	95.9889	23.431	55.2	20.8	-42.6	47.4	154.0
5.0	27.150	95.9884	23.432	54.3	24.1	-41.1	47.6	149.7
6.0	27.154	95.9884	23.430	54.8	29.2	-35.9	45.6	141.9
7.0	27.154	95.9883	23.430	54.8	26.7	-34.0	43.3	141.3
8.0	27.152	95.9883	23.430	54.3	27.0	-30.3	40.6	138.3
9.0	27.147	95.9886	23.434	55.1	28.0	-27.2	39.1	134.2
10.0	27.147	95.9885	23.434	54.9	26.7	-25.1	36.6	133.3
11.0	27.147	95.9885	23.434	54.7	25.3	-23.0	34.2	132.3
12.0	27.147	95.9886	23.434	54.4	26.2	-22.9	34.8	131.2
13.0	27.147	95.9885	23.433	54.4	26.0	-21.5	33.3	129.6
14.0	27.146	95.9885	23.433	54.1	24.9	-22.4	33.5	132.0
15.0	27.144	95.9882	23.432	54.4	25.9	-21.8	33.9	130.0
16.0	27.140	95.9881	23.432	54.8	26.2	-19.9	32.9	127.2
17.0	27.133	95.9887	23.439	54.5	25.9	-20.0	32.7	127.6
18.0	27.133	95.9887	23.439	54.7	25.6	-20.4	32.7	128.6
19.0	27.135	95.9886	23.433	54.5	24.5	-19.3	33.1	126.3
20.0	27.139	95.9887	23.437	54.4	26.1	-18.8	32.2	125.8
21.0	27.142	95.9880	23.431	54.4	25.3	-17.9	31.4	124.7
22.0	27.137	95.9876	23.430	53.9	27.3	-19.9	33.3	126.2
23.0	27.128	95.9885	23.440	53.5	27.1	-16.7	31.9	121.7
24.0	27.131	95.9881	23.435	53.4	29.2	-16.0	33.9	118.3
25.0	27.131	95.9879	23.434	53.2	30.3	-15.3	34.2	117.5
26.0	27.125	95.9881	23.437	53.2	29.7	-13.8	32.8	115.0
27.0	27.122	95.9883	23.440	52.1	28.3	-14.1	31.6	116.4
28.0	27.114	95.9892	23.449	52.6	29.4	-13.9	32.3	114.4
29.0	27.123	95.9885	23.439	52.3	29.5	-12.6	32.1	113.1
30.0	27.133	95.9882	23.435	52.1	29.6	-12.1	31.9	112.3
31.0	27.136	95.9870	23.425	52.2	29.7	-12.5	32.2	112.9
32.0	27.117	95.9878	23.437	52.0	29.6	-11.4	31.7	111.1
33.0	27.111	95.9880	23.441	51.9	31.0	-12.7	33.5	112.3
34.0	27.111	95.9880	23.441	51.5	30.3	-11.6	32.9	110.7
35.0	27.113	95.9878	23.439	52.0	30.5	-11.5	32.6	110.7
36.0	27.113	95.9876	23.437	51.9	30.4	-11.3	32.4	110.3
37.0	27.115	95.9876	23.437	51.3	30.2	-11.7	32.4	111.1
38.0	27.115	95.9879	23.439	50.8	30.0	-12.1	32.3	111.9
39.0	27.113	95.9875	23.435	50.7	28.5	-11.5	30.3	112.0
40.0	27.115	95.9874	23.435	50.6	28.2	-13.0	31.1	114.3
41.0	27.113	95.9877	23.433	50.6	27.2	-12.0	29.7	113.3
42.0	27.113	95.9878	23.433	50.0	27.6	-12.7	30.3	114.3
43.0	27.113	95.9875	23.435	50.3	27.6	-14.4	31.2	117.6
44.0	27.116	95.9869	23.431	50.5	27.1	-13.4	30.2	116.3
45.0	27.104	95.9873	23.442	50.2	26.3	-14.0	30.3	117.6
46.0	27.107	95.9875	23.439	49.6	30.3	-17.1	34.3	119.4
47.0	27.107	95.9873	23.437	49.7	28.9	-16.0	33.0	118.9
48.0	27.108	95.9874	23.437	49.8	27.5	-14.9	31.3	118.4
49.0	27.107	95.9875	23.433	49.3	26.3	-13.3	29.4	116.3
50.0	27.107	95.9872	23.436	49.3	27.3	-12.6	30.1	114.9
51.0	27.102	95.9873	23.439	49.1	26.1	-11.5	28.5	113.9
52.0	27.105	95.9876	23.440	49.6	27.4	-13.7	30.7	116.6
53.0	27.105	95.9873	23.433	49.1	27.7	-13.7	30.9	116.3
54.0	27.104	95.9871	23.437	49.3	27.3	-13.9	30.6	117.0
55.0	27.099	95.9868	23.436	48.6	27.6	-13.2	30.6	115.6
56.0	27.096	95.9864	23.434	48.6	26.9	-12.9	29.8	115.6
57.0	27.045	95.980	23.462	48.3	26.3	-13.2	29.3	116.2
58.0	26.995	95.9881	23.479	47.9	26.6	-13.5	29.9	116.8
59.0	26.887	96.046	23.563	48.1	25.0	-15.5	29.4	121.7
60.0	26.803	96.088	23.620	47.5	21.4	-15.0	26.2	125.0
61.0	26.733	96.094	23.631	46.5	20.3	-16.6	26.2	129.3

Station: D17-2
 Cruise : 80-DS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.63 N
 Longitude 93 48.82 W
 Time: Year Day Hour Minute
 1980 296 16 27

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
62.0	26.751	36.094	23.642	47.5	20.3	-17.3	26.7	130.4
63.0	26.722	36.103	23.658	47.0	19.4	-16.5	25.5	130.5
64.0	26.641	36.119	23.696	47.3	18.4	-14.6	23.5	128.3
65.0	26.514	36.100	23.722	47.7	18.1	-15.4	23.8	130.4
66.0	26.352	36.110	23.781	47.6	19.2	-14.3	23.9	126.6
67.0	25.226	36.301	24.275	47.4	18.0	-13.4	22.4	126.6
68.0	24.100	36.350	24.653	47.2	16.9	-12.5	20.9	126.6
69.0	23.917	36.400	24.745	47.2	17.0	-14.0	22.1	129.4
70.0	23.777	36.412	24.796	47.3	20.2	-15.3	25.3	127.2
71.0	23.659	36.316	24.758	47.1	19.3	-14.1	23.9	126.1
72.0	23.414	36.356	24.860	47.1	18.8	-13.3	23.0	125.3
73.0	23.271	36.370	24.913	46.6	14.5	-9.1	17.1	122.1
74.0	23.028	36.373	24.986	45.8	14.2	-7.9	16.3	119.1
75.0	22.947	36.375	25.011	45.4	3.6	-8.1	8.9	155.8

Station: D17-3
 Cruise : 80-BB-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.90 N
 Longitude 93 48.86 W
 Time: Year Day Hour Minute
 1980 296 17 3

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.108	35.962	23.428	55.8	.9	-11.7	11.7	175.6
3.0	27.085	35.960	23.435	56.1	8.2	-8.2	11.6	165.2
4.0	27.075	35.959	23.437	55.8	13.8	-4.2	14.5	106.7
5.0	27.061	35.956	23.439	55.5	18.8	-1.1	18.3	90.2
6.0	27.054	35.952	23.444	55.5	21.5	4.6	22.0	77.9
7.0	27.060	35.955	23.438	54.9	27.5	-2.2	27.5	90.5
8.0	27.065	35.951	23.434	54.9	22.2	3.9	22.4	83.0
9.0	27.059	35.956	23.440	54.7	25.5	-5.7	26.1	102.6
10.0	27.068	35.949	23.432	54.7	22.2	-2.2	22.3	94.0
11.0	27.067	35.949	23.432	54.5	22.1	-4.6	22.4	98.1
12.0	27.065	35.950	23.433	54.6	23.5	-8.0	22.9	105.6
13.0	27.061	35.953	23.437	54.7	23.9	-7.6	23.3	102.9
14.0	27.064	35.949	23.433	55.3	22.6	-10.0	24.1	107.0
15.0	27.065	35.949	23.432	55.3	31.6	-9.9	23.2	107.4
16.0	27.063	35.952	23.435	55.2	30.9	-11.6	23.0	110.6
17.0	27.063	35.953	23.436	55.6	30.5	-11.3	22.5	110.4
18.0	27.066	35.950	23.433	55.2	22.1	-12.6	24.5	111.4
19.0	27.067	35.951	23.433	55.1	20.3	-14.0	23.4	114.3
20.0	27.064	35.952	23.435	54.9	22.5	-15.3	23.9	115.2
21.0	27.064	35.949	23.432	54.6	26.3	-13.5	22.9	117.1
22.0	27.062	35.952	23.436	54.6	27.2	-15.2	21.2	119.3
23.0	27.067	35.950	23.433	54.9	22.4	-12.5	25.7	119.2
24.0	27.067	35.951	23.433	54.2	28.2	-16.0	22.4	119.6
25.0	27.063	35.950	23.432	54.2	26.0	-13.5	20.4	117.3
26.0	27.068	35.950	23.432	55.3	23.2	-13.5	23.0	119.1
27.0	27.069	35.953	23.434	54.5	31.0	-17.1	25.4	118.9
28.0	27.069	35.950	23.432	53.9	29.6	-17.4	24.4	120.5
29.0	27.068	35.953	23.435	54.2	29.7	-17.3	24.4	120.3
30.0	27.068	35.953	23.435	53.7	23.5	-19.5	23.7	120.1
31.0	27.072	35.951	23.432	53.3	29.0	-17.5	23.9	121.2
32.0	27.071	35.952	23.433	52.9	31.6	-13.4	26.5	120.2
33.0	27.073	35.952	23.432	52.2	20.6	-13.3	26.0	121.6
34.0	27.072	35.952	23.432	52.7	22.3	-19.1	27.5	120.5
35.0	27.072	35.952	23.432	52.9	26.8	-20.0	41.9	118.6
36.0	27.073	35.953	23.433	52.7	22.6	-19.1	27.3	120.3
37.0	27.073	35.954	23.434	52.4	28.4	-13.1	23.7	122.5
38.0	27.075	35.952	23.432	52.8	22.3	-14.9	26.8	123.3
39.0	27.072	35.957	23.436	51.7	25.7	-16.9	30.7	123.4
40.0	27.073	35.953	23.433	52.0	30.8	-13.8	26.1	121.3
41.0	27.071	35.955	23.435	51.4	26.3	-17.4	21.5	123.5
42.0	27.076	35.956	23.435	51.0	24.1	-16.8	22.4	124.3
43.0	27.076	35.956	23.434	51.7	26.3	-17.7	22.1	123.4
44.0	27.076	35.954	23.433	51.1	22.1	-17.1	22.9	121.3
45.0	27.077	35.956	23.434	50.3	25.3	-13.2	21.6	125.2
46.0	27.077	35.957	23.434	50.4	26.4	-13.4	22.2	124.9
47.0	27.078	35.956	23.434	49.6	15.3	-13.7	20.6	131.3
48.0	27.080	35.954	23.432	49.6	22.3	-17.1	22.1	127.4
49.0	27.082	35.953	23.434	49.6	22.2	-20.0	25.7	124.9
50.0	27.085	35.953	23.433	49.5	20.8	-21.3	27.8	125.2
51.0	27.086	35.961	23.434	49.6	31.9	-22.9	29.3	125.7
52.0	27.086	35.961	23.435	48.9	30.0	-21.8	27.0	126.0
53.0	27.089	35.961	23.434	48.3	15.1	-10.5	18.4	124.3
54.0	27.091	35.959	23.431	47.7	21.4	-15.7	26.5	126.2
55.0	27.089	35.963	23.435	48.2	17.6	-15.5	23.5	131.3
56.0	27.090	35.963	23.435	48.1	25.1	-13.1	22.9	125.3
57.0	27.092	35.951	23.425	48.0	31.9	-23.0	29.4	125.3
58.0	27.065	35.940	23.426	48.1	22.9	-19.7	20.3	130.7
59.0	26.947	36.004	23.512	47.3	23.3	-20.1	31.2	130.2
60.0	26.881	36.035	23.556	47.1	24.9	-21.9	23.2	131.3
61.0	26.652	36.149	23.715	46.9	-3.6	-7.0	7.9	207.0

Station: D17-3
 Cruise : 80-BS-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.90 N
 Longitude 93 48.86 W
 Time: Year Day Hour Minute
 1980 296 17 3

Depth m	Temp deg C	Sal ppt.	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	26.607	36.248	23.804	47.0	15.1	-16.9	22.6	138.2
63.0	26.596	36.191	23.765	47.0	13.0	-19.1	23.1	145.8
64.0	26.577	36.199	23.776	46.8	20.8	-22.2	30.4	136.9

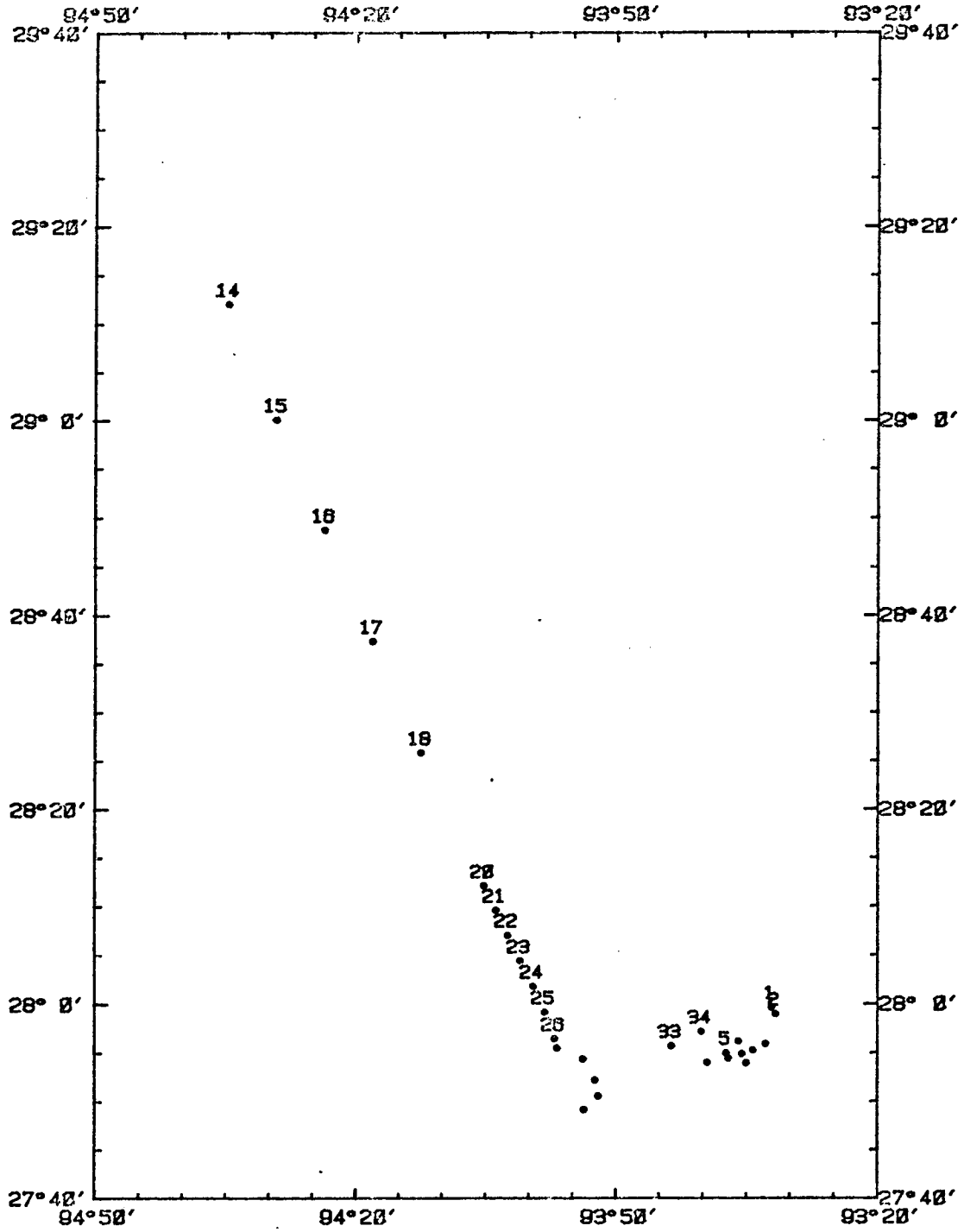
Station: D17-4
 Cruise : 80-ES-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.80 N
 Longitude 98 46.79 W
 Time: Year Day Hour Minute
 1980 296 18 15

Depth m	Temp deg C	Sal Ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	27.146	35.913	23.380	56.8	15.0	-11.4	18.8	127.8
3.0	27.151	35.908	23.374	56.0	26.0	-22.0	34.1	130.2
4.0	27.155	35.909	23.372	55.8	34.1	-17.2	38.2	116.8
5.0	27.153	35.912	23.375	56.0	33.9	-15.7	37.4	114.8
6.0	27.154	35.909	23.373	56.1	35.3	-13.9	38.0	111.5
7.0	27.156	35.908	23.372	56.1	34.7	-12.1	38.7	108.3
8.0	27.154	35.910	23.374	55.8	35.6	-15.6	38.9	113.6
9.0	27.157	35.907	23.371	55.9	37.6	-15.4	40.7	112.2
10.0	27.154	35.909	23.374	55.5	34.5	-6.9	35.1	101.3
11.0	27.153	35.908	23.374	55.8	40.1	-16.3	43.3	112.1
12.0	27.157	35.906	23.371	55.7	35.9	-4.9	36.4	79.4
13.0	27.153	35.908	23.373	56.2	36.9	-12.7	39.0	109.0
14.0	27.157	35.901	23.367	56.1	30.4	-9.8	31.9	107.9
15.0	27.152	35.903	23.369	55.7	33.5	-14.0	41.0	110.0
16.0	27.141	35.908	23.378	55.4	33.3	-13.6	40.6	109.5
17.0	27.142	35.907	23.376	55.6	30.5	-6.3	31.1	101.7
18.0	27.138	35.906	23.377	55.0	33.3	-17.9	42.3	115.1
19.0	27.135	35.906	23.377	54.9	42.3	-9.0	33.5	105.6
20.0	27.131	35.904	23.377	55.5	32.4	-9.6	33.8	106.6
21.0	27.123	35.903	23.379	56.2	32.4	-12.6	35.7	110.7
22.0	27.107	35.905	23.386	55.5	45.7	-20.8	55.1	124.0
23.0	27.092	35.914	23.397	56.1	27.9	-6.4	28.7	102.9
24.0	27.091	35.915	23.399	55.5	44.5	-28.6	52.9	122.7
25.0	27.083	35.915	23.400	55.6	23.6	-5.7	26.2	102.6
26.0	27.087	35.917	23.401	54.9	27.5	-8.1	28.7	106.4
27.0	27.087	35.920	23.404	55.1	35.4	-13.0	39.7	117.0
28.0	27.088	35.918	23.402	55.1	11.9	-2.4	12.2	78.8
29.0	27.089	35.919	23.402	54.8	33.9	-21.9	44.5	119.5
30.0	27.088	35.922	23.405	54.6	32.3	-16.1	36.1	116.4
31.0	27.086	35.923	23.406	53.9	44.6	-23.2	51.8	120.4
32.0	27.087	35.920	23.404	53.7	28.9	-12.6	31.5	113.6
33.0	27.085	35.923	23.406	53.7	35.9	-19.3	40.3	118.3
34.0	27.085	35.924	23.407	53.8	33.8	-22.9	46.4	121.0
35.0	27.083	35.927	23.410	53.9	42.2	-29.3	51.4	124.7
36.0	27.082	35.928	23.411	53.6	26.3	-15.0	30.2	119.6
37.0	27.080	35.930	23.413	53.7	27.2	-15.9	31.5	120.3
38.0	27.081	35.933	23.412	53.2	27.4	-15.7	31.6	119.8
39.0	27.081	35.933	23.415	53.0	32.4	-19.7	37.9	121.3
40.0	27.081	35.935	23.417	52.2	18.5	-8.8	20.4	115.4
41.0	27.081	35.935	23.417	52.5	19.5	-10.5	22.1	113.3
42.0	27.080	35.936	23.418	52.0	39.6	-24.4	46.5	121.6
43.0	27.080	35.937	23.418	52.5	21.5	-25.6	33.4	140.0
44.0	27.080	35.941	23.421	52.3	31.1	-25.3	40.1	129.1
45.0	27.080	35.940	23.421	52.2	40.7	-24.9	47.3	121.5
46.0	27.080	35.936	23.418	51.6	25.9	-14.8	29.8	119.7
47.0	27.079	35.940	23.421	51.0	26.4	-16.2	30.9	121.5
48.0	27.078	35.938	23.420	50.7	33.1	-19.9	38.6	121.0
49.0	27.073	35.940	23.421	50.5	26.0	-16.4	30.7	122.2
50.0	27.077	35.942	23.424	50.5	25.9	-16.4	30.6	122.4
51.0	27.076	35.944	23.425	50.5	22.2	-13.3	26.1	122.0
52.0	27.075	35.945	23.426	50.6	17.1	-10.5	20.0	121.6
53.0	27.074	35.945	23.427	50.3	9.9	-7.3	12.6	123.3
54.0	27.073	35.947	23.428	50.2	29.1	-20.6	35.6	125.3
55.0	27.074	35.952	23.432	50.1	27.9	-19.9	34.2	125.5
56.0	27.073	35.915	23.404	49.9	32.9	-22.1	39.6	123.9
57.0	26.915	36.000	23.519	49.6	29.9	-9.5	13.7	134.0
58.0	26.788	36.054	23.600	49.3	29.1	-21.2	36.0	126.0
59.0	26.738	36.012	23.584	49.1	25.2	-20.7	32.6	129.3
60.0	26.642	35.996	23.603	48.9	19.9	-19.7	28.0	134.8
61.0	26.449	36.057	23.710	48.0	19.6	-19.5	27.7	134.9

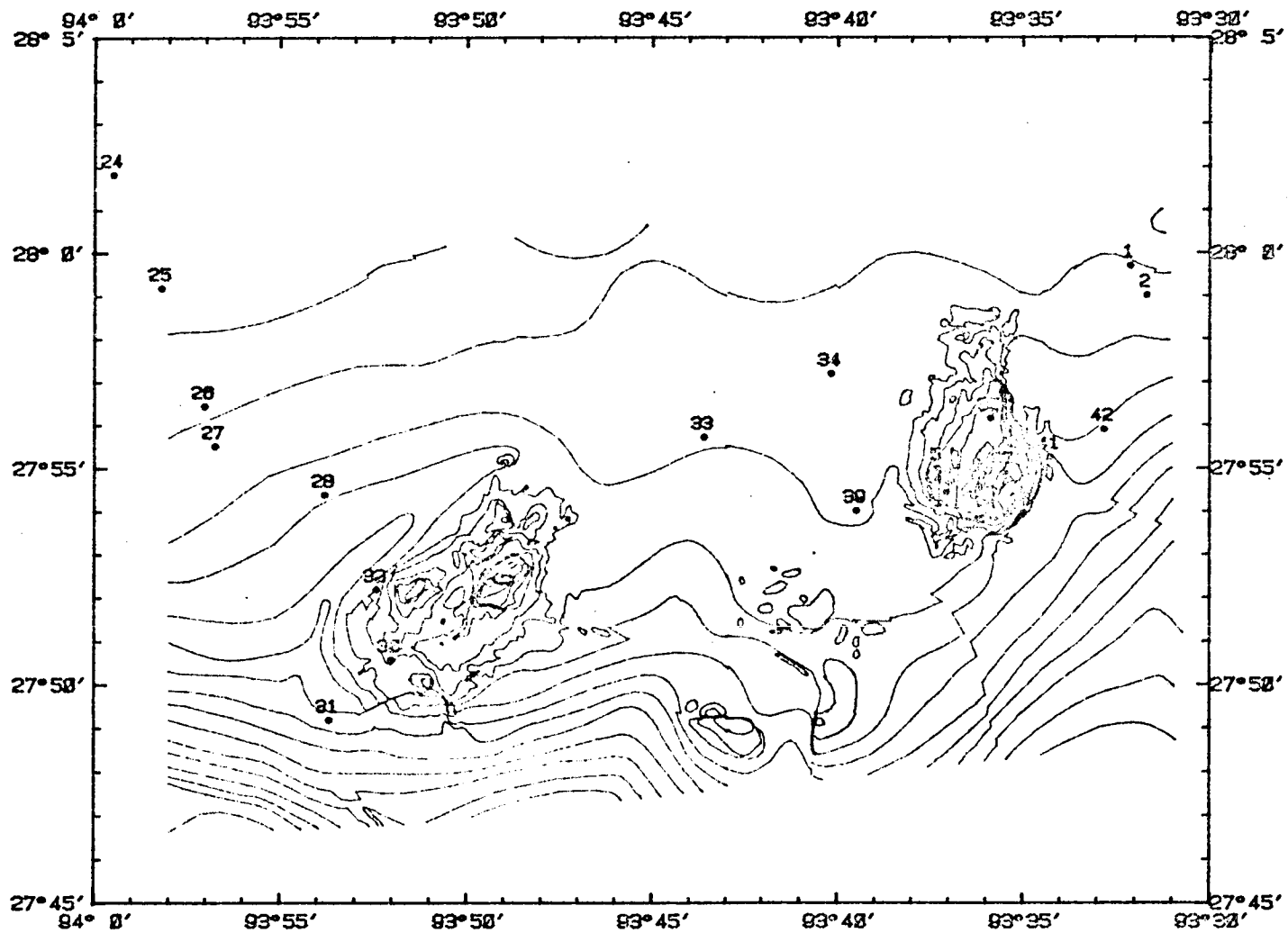
Station: D17-4
 Cruise : 80-B5-1
 Ship : BALTIC SEAL
 Position: Latitude 27 51.80 N
 Longitude 93 48.79 W
 Time: Year Day Hour Minute
 1980 296 18 15

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	26.378	36.087	23.755	48.2	16.5	-9.4	16.8	101.7
63.0	26.306	36.126	23.807	48.3	13.3	12.7	18.4	46.3
64.0	26.308	36.074	23.767	48.5	15.2	-14.5	21.0	133.6
65.0	26.238	36.974	23.714	48.7	20.1	-8.7	21.9	113.3
66.0	26.145	35.970	23.740	48.6	18.1	-8.9	20.1	116.1
67.0	25.155	35.967	24.045	48.4	2.6	-11.7	11.9	167.7
68.0	24.189	36.010	24.369	47.5	7.7	-13.2	15.3	149.8
69.0	23.301	36.015	24.635	46.4	15.7	-13.0	20.4	129.6
70.0	23.197	36.010	24.661	47.2	-1.7	-14.4	14.5	182.8

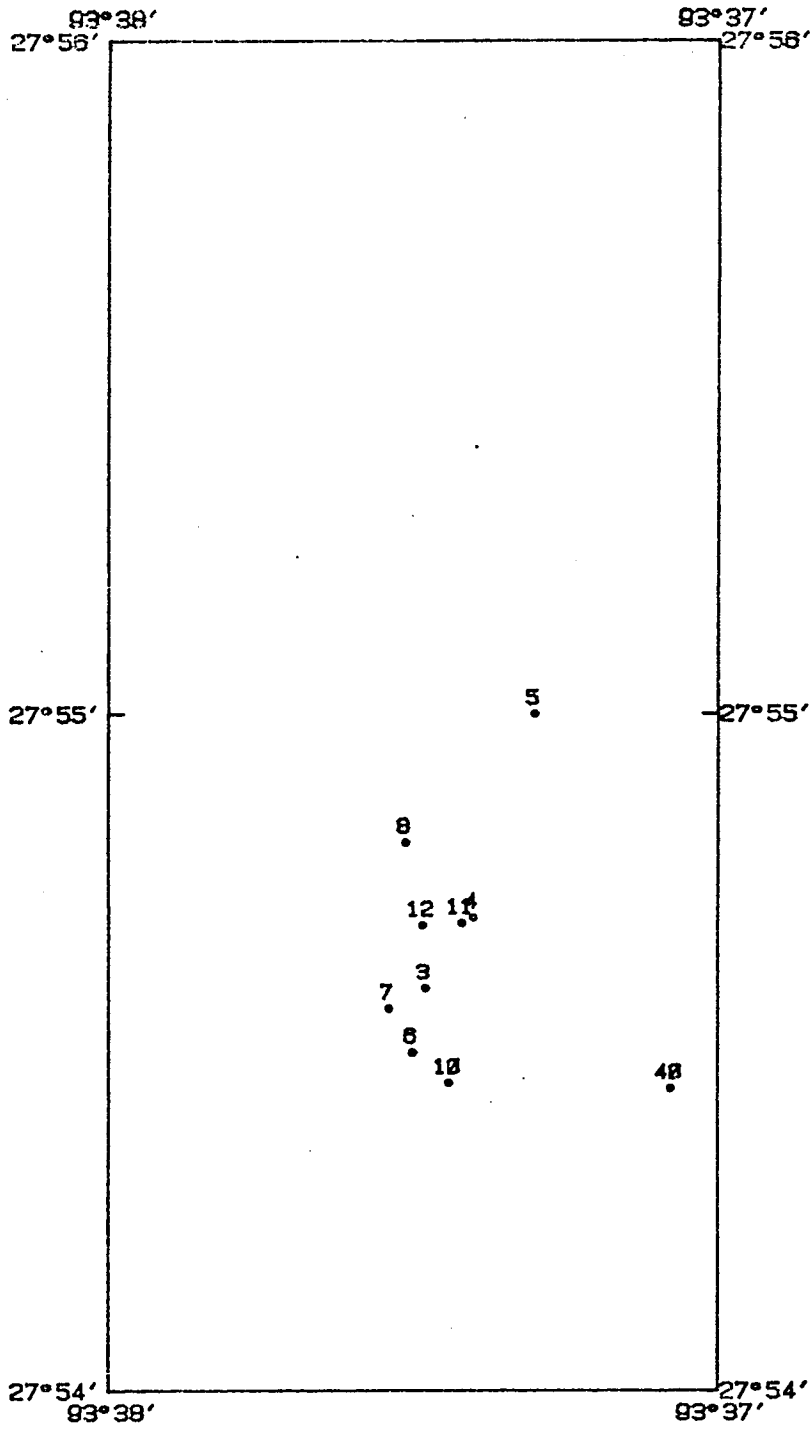
Cruise: 80-B5-1
 XBT Positions
 SHELF REGION



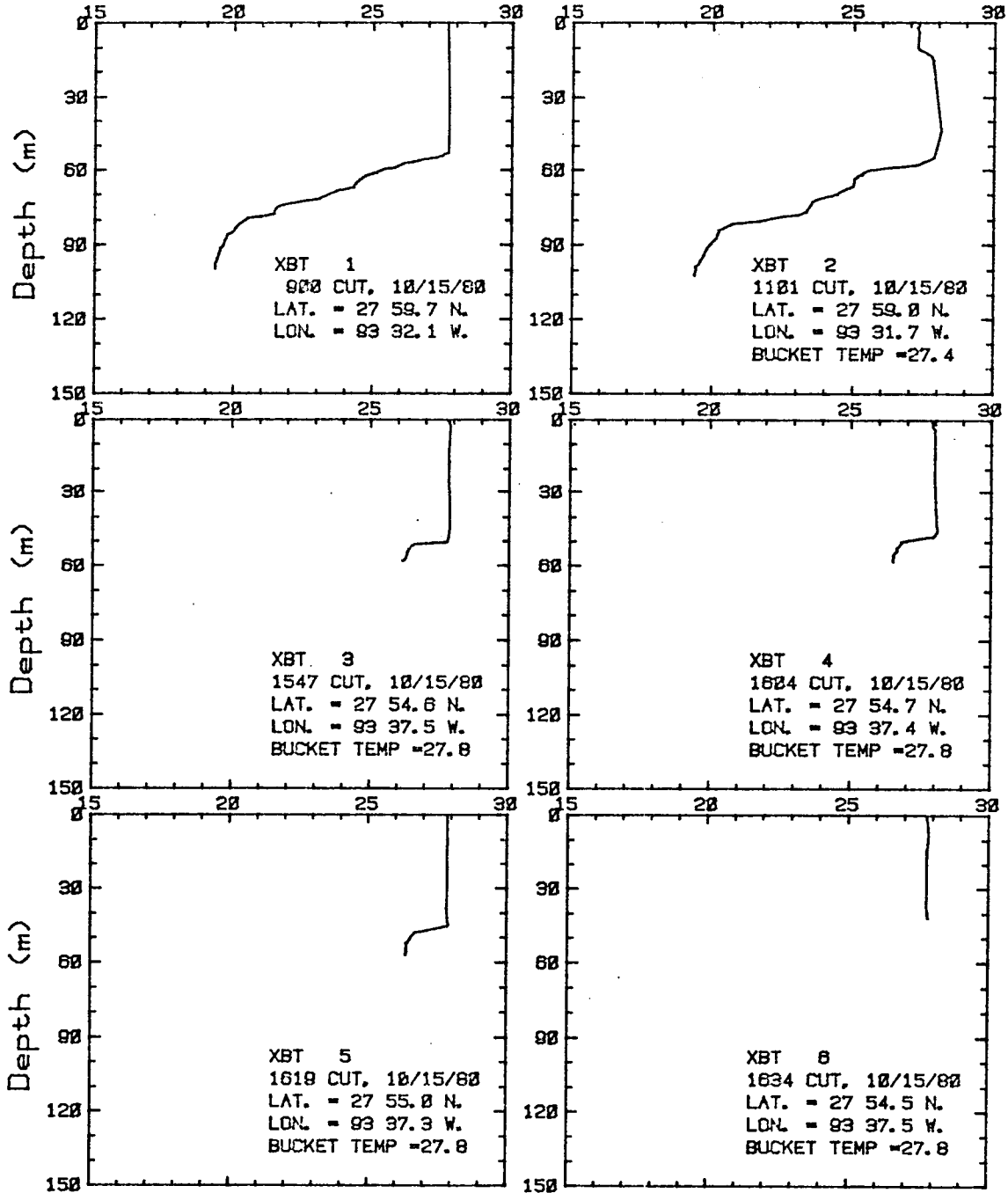
Cruise: 80-B5-1
XBT Positions
East and West Flower Garden Banks



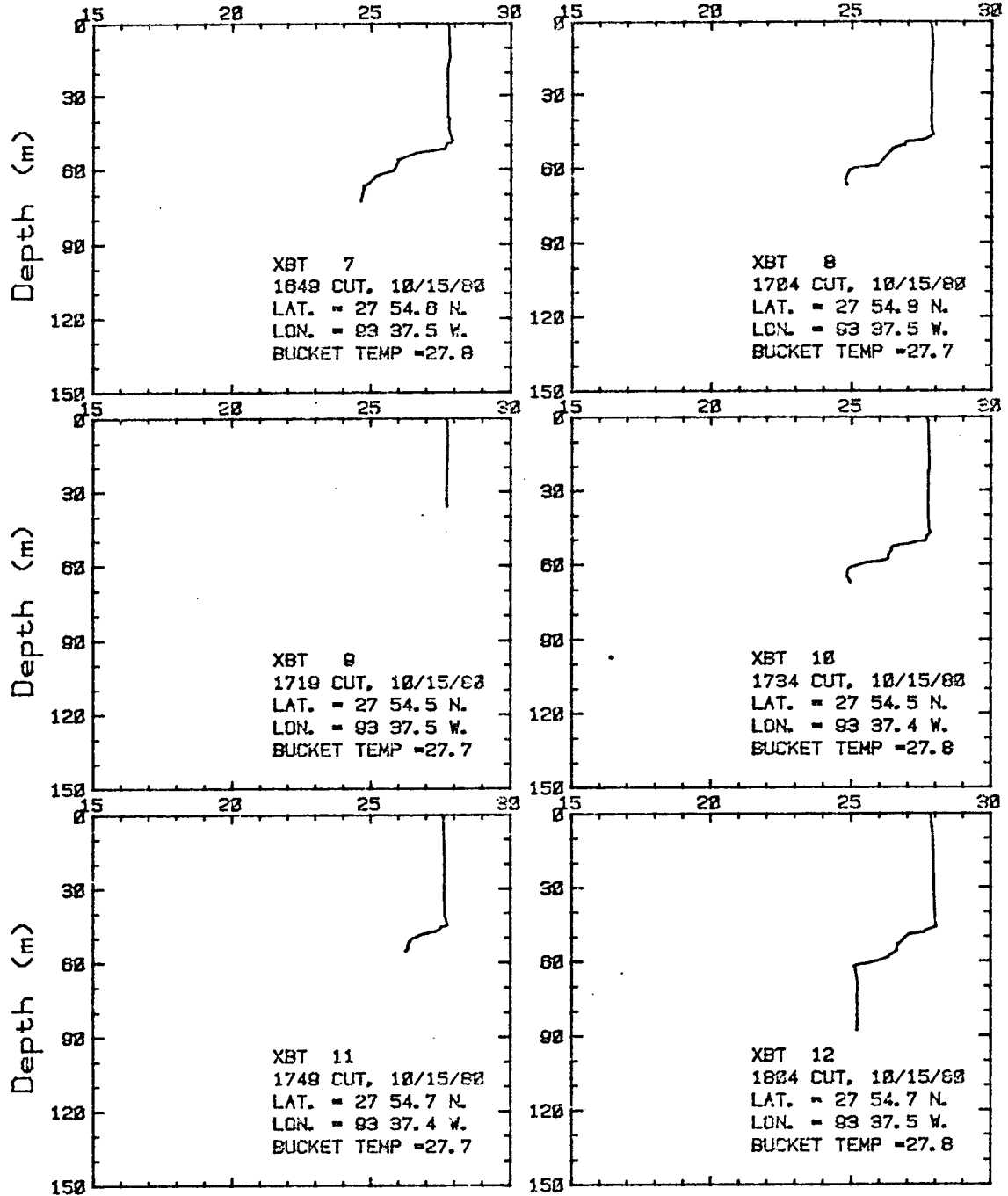
Cruise: 80-BS-1
XBT Positions
EAST FLOWER GARDEN BANK



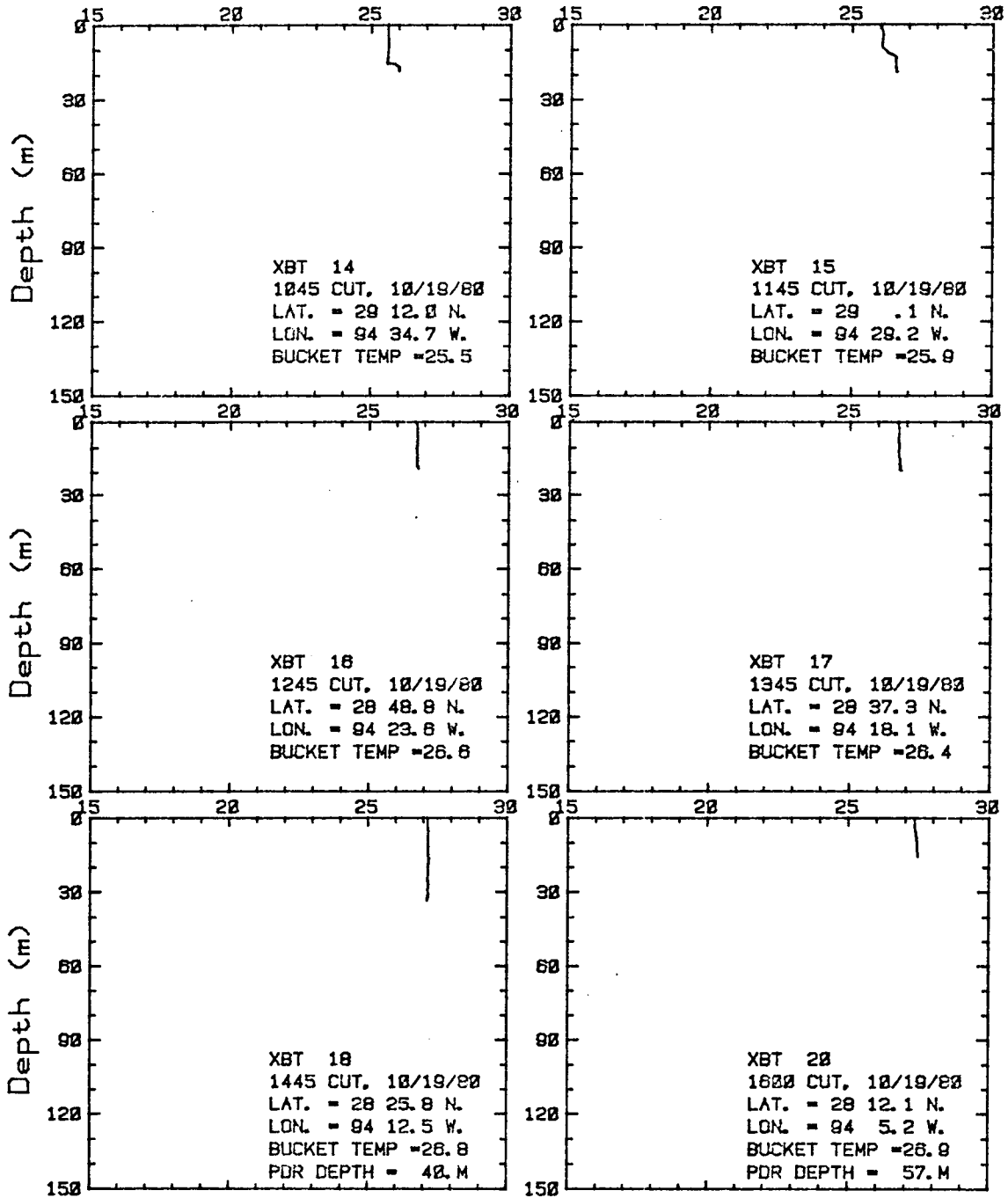
Temperature in Degrees Celsius



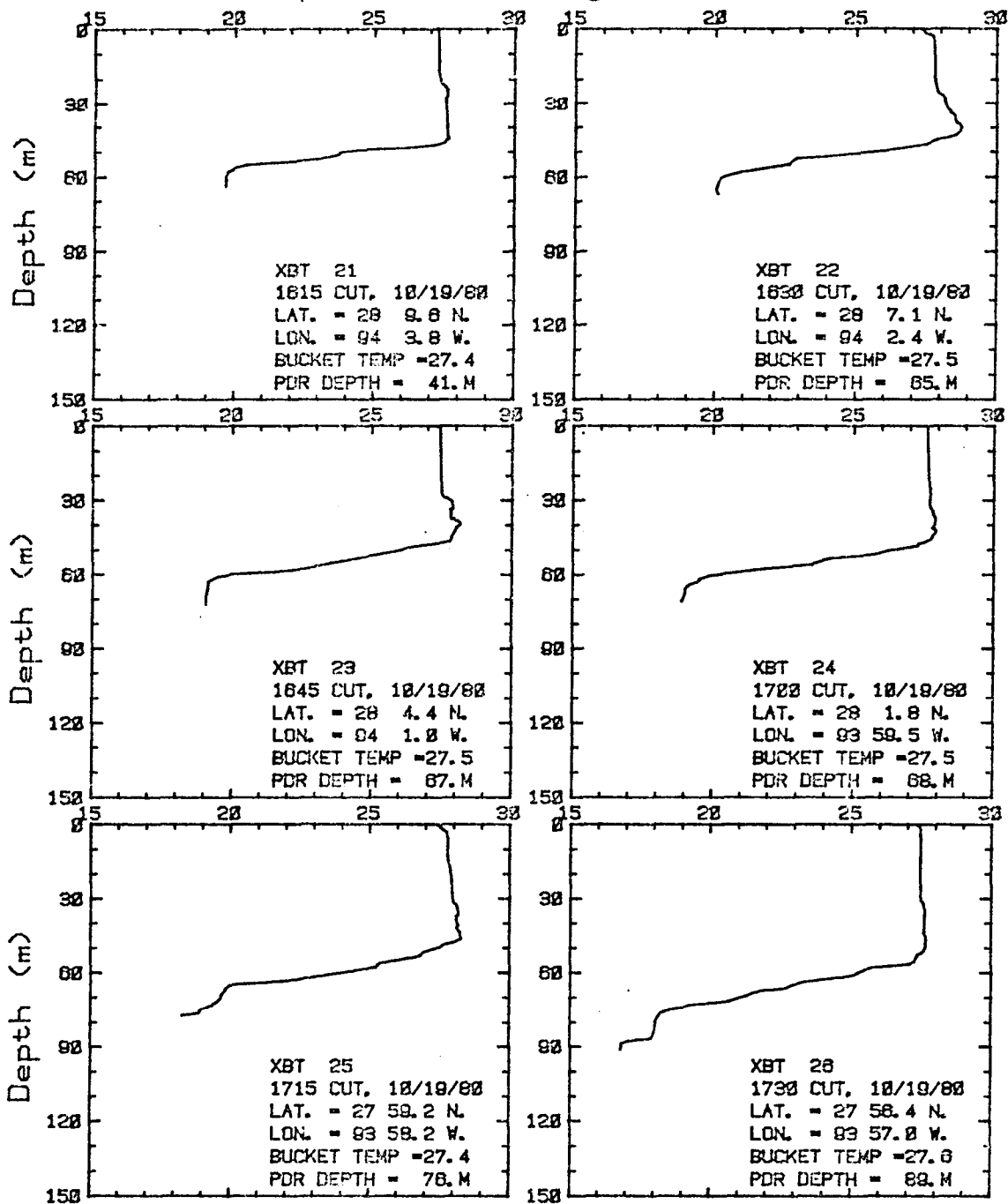
Temperature in Degrees Celsius



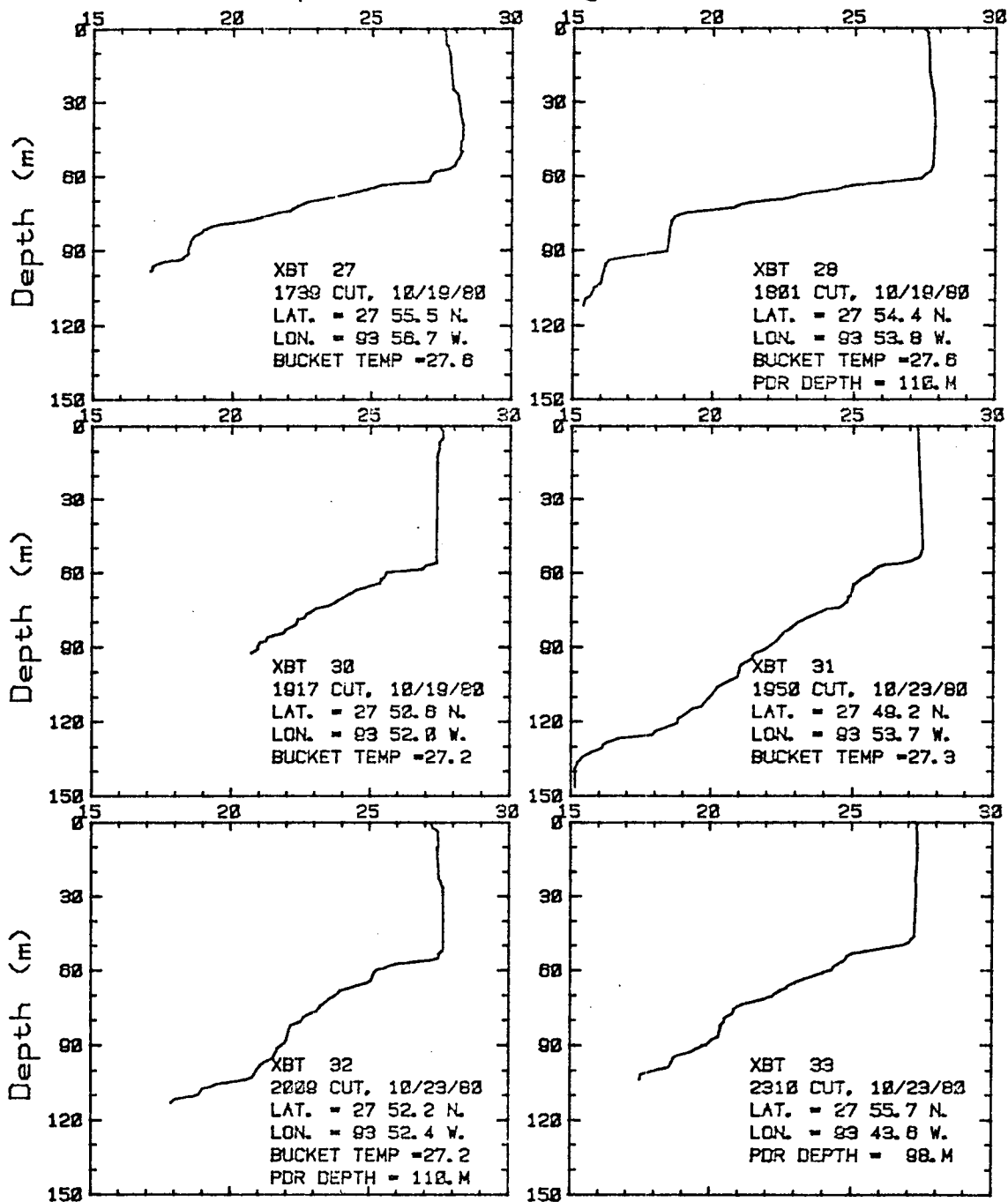
Temperature in Degrees Celsius



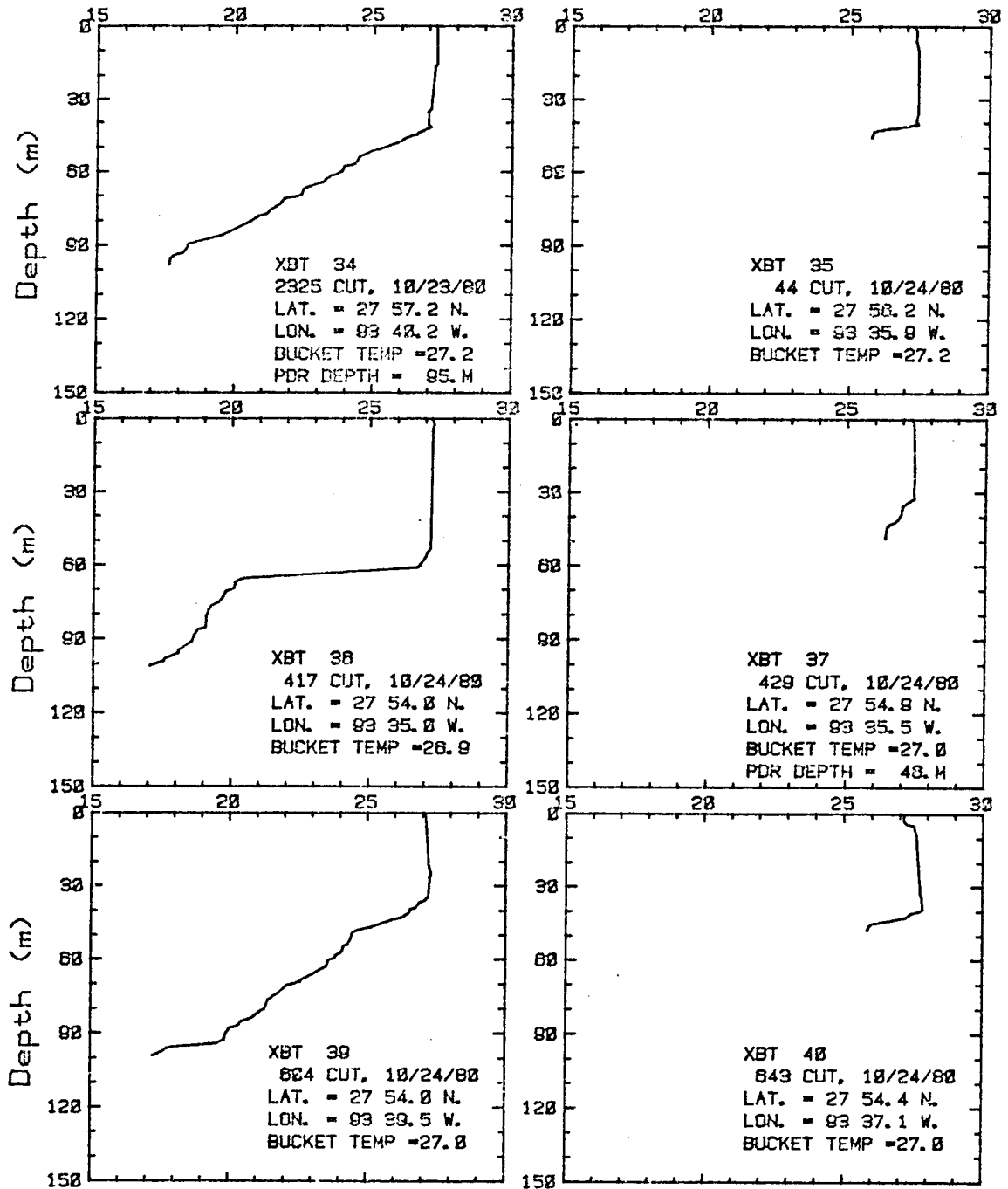
Temperature in Degrees Celsius

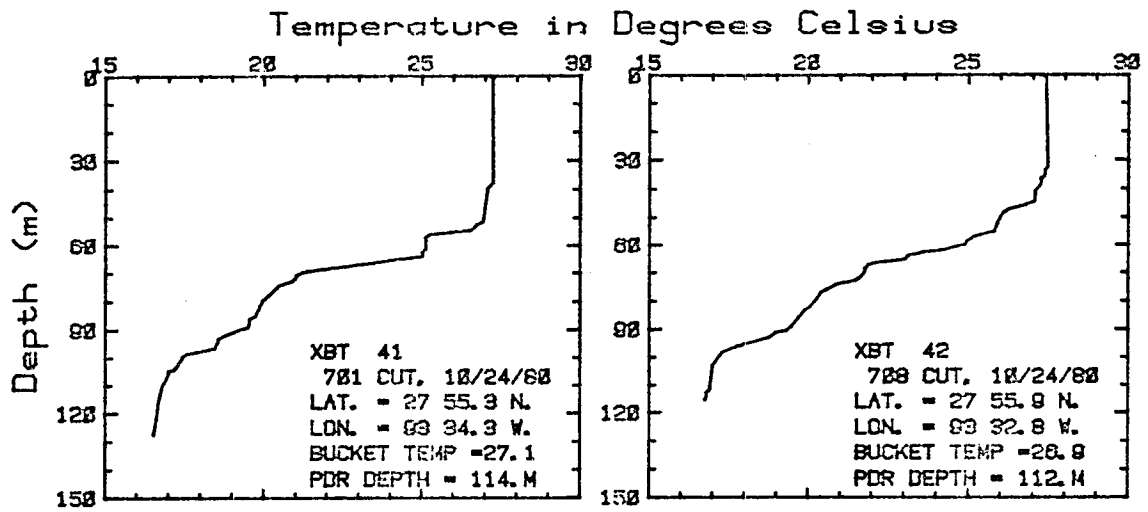


Temperature in Degrees Celsius



Temperature in Degrees Celsius





NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 1
 TIME = 900(CUT)
 LATITUDE = 27DEG. 59.70MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1

DATE = 10/15/80
 LONGITUDE = 93DEG. 32.12MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.69	27.69	61.4	25.03	25.03	75.7	21.52	21.52
8.3	27.71	27.71	61.9	24.86	24.86	76.7	21.46	21.46
33.0	27.75	27.75	62.3	24.74	24.74	77.6	21.47	21.47
52.9	27.73	27.73	62.9	24.65	24.65	77.8	21.41	21.41
53.4	27.62	27.62	63.5	24.60	24.60	78.7	20.97	20.97
53.9	27.55	27.55	63.8	24.53	24.53	79.3	20.49	20.49
54.1	27.52	27.52	64.7	24.46	24.46	80.4	20.35	20.35
55.1	27.26	27.26	65.9	24.35	24.35	81.6	20.20	20.20
55.4	27.00	27.00	66.5	24.30	24.30	82.9	20.08	20.08
55.6	26.85	26.85	67.1	24.31	24.31	84.7	19.98	19.98
56.1	26.70	26.70	68.1	23.90	23.90	85.3	19.90	19.90
56.6	26.47	26.47	68.0	23.81	23.81	85.7	19.81	19.81
57.5	26.10	26.10	68.4	23.72	23.72	86.0	19.76	19.76
57.7	26.05	26.05	71.6	23.08	23.08	88.4	19.67	19.67
58.5	25.92	25.92	71.8	23.08	23.08	90.7	19.60	19.60
59.0	25.79	25.79	72.7	22.54	22.54	91.3	19.53	19.53
59.5	25.51	25.51	73.2	22.27	22.27	93.1	19.47	19.47
59.7	25.39	25.39	74.2	21.81	21.81	95.6	19.40	19.40
60.6	25.17	25.17	74.5	21.70	21.70	97.3	19.34	19.34
61.1	25.14	25.14	74.9	21.60	21.60	99.4	19.33	19.33

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 2
 TIME = 1101(CUT)
 LATITUDE = 27DEG. 59.02MIN.N.
 BUCKET TEMPERATURE = 27.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 31.66MIN.W.
 SURF. TEMP. DIFF. = .09DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.31	27.40	56.7	27.49	27.58	72.8	23.59	23.68
1.3	27.31	27.40	57.5	27.35	27.44	76.9	23.34	23.43
1.8	27.26	27.35	58.1	27.15	27.24	77.9	23.10	23.19
3.6	27.28	27.38	59.0	26.23	26.33	78.7	22.47	22.56
9.9	27.35	27.34	60.1	25.55	25.64	80.4	21.69	21.78
10.7	27.32	27.41	61.0	25.35	25.44	81.5	20.70	20.79
11.2	27.41	27.50	61.7	25.30	25.39	83.3	20.40	20.49
12.0	27.57	27.66	62.3	25.17	25.26	84.1	20.23	20.33
12.7	27.64	27.73	63.1	25.08	25.17	87.4	20.13	20.22
13.5	27.74	27.83	63.6	25.03	25.12	89.6	19.94	20.03
14.8	27.80	27.89	66.5	24.98	25.07	91.5	19.81	19.90
43.7	28.12	28.21	69.1	24.50	24.59	94.4	19.68	19.77
54.9	27.86	27.95	69.8	24.45	24.54	96.2	19.57	19.67
56.2	27.62	27.71	72.2	23.69	23.79	97.7	19.51	19.60
						98.3	19.43	19.52
						102.0	19.37	19.47

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 3
 TIME = 1547(CUT)
 LATITUDE = 27DEG. 54.60MIN.N.
 BUCKET TEMPERATURE = 27.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.48MIN.W.
 SURF. TEMP. DIFF. = .05DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.75	27.80	25.3	27.83	27.87	51.3	26.59	26.64
.6	27.82	27.86	33.2	27.86	27.91	51.9	26.50	26.54
1.4	27.85	27.90	43.2	27.87	27.92	52.7	26.41	26.45
2.6	27.87	27.92	45.9	27.85	27.89	54.1	26.35	26.39
16.6	27.81	27.86	48.1	27.83	27.87	55.3	26.31	26.35
16.9	27.85	27.89	50.2	27.78	27.83	56.3	26.28	26.32
17.5	27.84	27.89	50.4	27.73	27.78	57.7	26.24	26.28
18.1	27.82	27.87	50.7	27.30	27.34	57.9	26.18	26.23

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 4
 TIME = 1604(CUT)
 LATITUDE = 27DEG. 54.70MIN.N.
 BUCKET TEMPERATURE = 27.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.40MIN.W.
 SURF. TEMP. DIFF. = -.08DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.88	27.80	33.4	28.02	27.95	48.0	27.95	27.88
0.0	27.88	27.80	36.5	28.03	27.95	48.7	27.50	27.42
1.2	27.90	27.82	38.0	28.04	27.96	49.7	27.00	26.93
2.4	27.90	27.82	40.3	28.05	27.97	50.0	26.81	26.73
3.1	27.92	27.84	42.4	28.04	27.97	51.4	26.73	26.65
3.7	27.98	27.90	43.9	28.07	27.99	52.1	26.66	26.58
6.9	27.99	27.92	45.1	28.08	28.01	53.8	26.62	26.55
14.0	27.99	27.91	46.1	28.09	28.01	55.1	26.53	26.45
25.4	27.99	27.91	47.6	27.99	27.91	55.6	26.53	26.45
						57.4	26.51	26.43
						58.1	26.52	26.44

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 5
 TIME = 1619(CUT)
 LATITUDE = 27DEG. 55.00MIN.N.
 BUCKET TEMPERATURE = 27.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.30MIN.W.
 SURF. TEMP. DIFF. = -.02DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.82	27.80	33.0	27.85	27.84	47.7	26.90	26.89
.8	27.85	27.84	38.0	27.84	27.82	48.1	26.68	26.67
2.5	27.86	27.84	41.4	27.86	27.84	49.0	26.62	26.60
5.6	27.85	27.84	43.4	27.87	27.85	49.5	26.58	26.56
10.5	27.86	27.84	44.5	27.91	27.89	50.4	26.52	26.51
14.6	27.86	27.84	45.1	27.90	27.88	51.7	26.45	26.44
17.7	27.85	27.83	45.5	27.86	27.84	52.3	26.39	26.38
20.8	27.86	27.84	45.9	27.67	27.65	54.1	26.38	26.36
28.3	27.86	27.84	47.2	27.14	27.12	55.7	26.39	26.37
						56.9	26.37	26.35

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 6
 TIME = 1634(CUT)
 LATITUDE = 27DEG. 54.50MIN.N.
 BUCKET TEMPERATURE = 27.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.50MIN.W.
 SURF. TEMP. DIFF. = .03DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.77	27.80	13.2	27.81	27.83	29.5	27.79	27.82
3.3	27.82	27.85	13.7	27.79	27.82	33.5	27.78	27.81
4.7	27.83	27.86	19.7	27.78	27.81	37.4	27.79	27.81
8.2	27.85	27.88	25.5	27.78	27.81	39.0	27.80	27.83
						40.5	27.81	27.84
						41.4	27.82	27.85

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 7
 TIME = 1649(CUT)
 LATITUDE = 27DEG. 54.56MIN.N.
 BUCKET TEMPERATURE = 27.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.54MIN.W.
 SURF. TEMP. DIFF. = .05DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.75	27.80	47.7	27.91	27.96	57.0	25.97	26.02
.7	27.79	27.84	48.0	27.92	27.98	60.5	25.83	25.88
1.5	27.80	27.86	48.8	27.87	27.92	62.1	25.31	25.36
13.3	27.84	27.89	49.4	27.73	27.79	62.7	25.16	25.22
18.2	27.75	27.81	51.2	27.65	27.71	63.5	25.11	25.17
38.1	27.77	27.83	52.9	26.64	26.69	65.4	24.92	24.97
38.9	27.81	27.87	55.6	26.04	26.09	66.3	24.75	24.81
43.2	27.80	27.85	55.8	25.99	26.04	72.3	24.64	24.69

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 8
 TIME = 1704(CUT)
 LATITUDE = 27DEG. 54.81MIN.N.
 BUCKET TEMPERATURE = 27.70DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.51MIN.W.
 SURF. TEMP. DIFF. = -.11DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.81	27.70	44.5	27.86	27.75	51.8	26.45	26.34
3.5	27.86	27.75	46.5	27.91	27.80	59.1	25.91	25.79
8.2	27.89	27.77	47.3	27.80	27.69	60.0	25.09	24.97
23.5	27.83	27.71	48.6	27.51	27.40	60.8	24.92	24.81
33.4	27.85	27.73	49.2	26.94	26.83	63.1	24.82	24.70
38.7	27.84	27.73	50.2	26.89	26.78	64.4	24.77	24.66
43.2	27.84	27.73	51.2	26.56	26.44	65.5	24.78	24.67
						66.4	24.81	24.69

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 9
 TIME = 1719(CUT)
 LATITUDE = 27DEG. 54.50MIN.N.
 BUCKET TEMPERATURE = 27.70DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.50MIN.W.
 SURF. TEMP. DIFF. = -.00DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.70	27.70	9.9	27.77	27.77	26.1	27.73	27.73
1.1	27.75	27.75	16.2	27.76	27.76	29.7	27.73	27.73
3.8	27.77	27.76	21.1	27.74	27.74	33.5	27.73	27.73
						35.8	27.74	27.74

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 10
 TIME = 1734(CUT)
 LATITUDE = 27DEG. 54.46MIN.N.
 BUCKET TEMPERATURE = 27.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.44MIN.W.
 SURF. TEMP. DIFF. = .13DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.67	27.80	47.7	27.78	27.91	57.5	26.31	26.44
1.5	27.74	27.97	48.7	27.69	27.83	57.8	26.30	26.43
18.0	27.78	27.92	50.5	27.64	27.77	58.8	26.01	26.14
21.2	27.79	27.92	51.1	27.27	27.41	59.3	25.52	25.66
22.0	27.74	27.88	52.4	26.63	26.77	61.3	24.94	25.08
37.8	27.74	27.88	52.9	26.48	26.61	62.0	24.90	25.03
45.5	27.78	27.91	53.4	26.44	26.57	63.2	24.86	24.99
46.6	27.80	27.94	54.3	26.42	26.55	64.7	24.84	24.97
46.9	27.83	27.96	56.0	26.33	26.47	65.8	24.90	25.04
						67.0	24.95	25.08

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 11
 TIME = 1749(CUT)
 LATITUDE = 27DEG. 54.69MIN.N.
 BUCKET TEMPERATURE = 27.70DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.42MIN.W.
 SURF. TEMP. DIFF. = .15DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.55	27.70	39.9	27.66	27.81	47.5	27.33	27.47
.9	27.61	27.76	40.7	27.66	27.81	48.3	26.96	27.10
1.3	27.62	27.77	42.1	27.71	27.86	49.0	26.76	26.91
18.7	27.66	27.81	45.0	27.76	27.91	50.4	26.48	26.63
33.4	27.65	27.80	45.8	27.55	27.70	51.3	26.41	26.56
38.9	27.68	27.82	47.3	27.37	27.52	53.0	26.34	26.49
						54.7	26.33	26.48
						55.1	26.29	26.44

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 12
 TIME = 1304(CUT)
 LATITUDE = 27DEG. 54.69MIN.N.
 BUCKET TEMPERATURE = 27.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/15/80
 LONGITUDE = 93DEG. 37.48MIN.W.
 SURF. TEMP. DIFF. = -.00DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.80	27.80	50.5	26.91	26.91	58.2	26.35	26.35
1.0	27.86	27.85	52.8	26.73	26.72	59.3	26.09	26.09
3.2	27.86	27.86	52.9	26.69	26.69	60.0	25.91	25.91
4.2	27.88	27.88	53.0	26.66	26.65	60.3	25.80	25.80
9.1	27.92	27.92	53.7	26.65	26.65	60.8	25.60	25.60
38.6	27.99	27.98	54.1	26.65	26.65	61.7	25.18	25.18
46.2	28.04	28.03	54.6	26.63	26.63	61.9	25.12	25.11
47.6	27.66	27.66	55.7	26.64	26.63	63.7	25.14	25.14
48.3	27.61	27.61	56.5	26.56	26.55	68.6	25.23	25.22
49.3	27.05	27.05	57.3	26.42	26.42	73.5	25.21	25.20
						83.9	25.22	25.22
						87.6	25.20	25.20

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 14
 TIME = 1045(CUT)
 LATITUDE = 29DEG. 12.00MIN.N.
 BUCKET TEMPERATURE = 25.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/19/80
 LONGITUDE = 94DEG. 34.70MIN.W.
 SURF. TEMP. DIFF. = -.11DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	25.61	25.50	8.5	25.62	25.51	15.2	25.57	25.47
1.6	25.60	25.49	7.2	25.62	25.51	15.5	25.85	25.74
4.1	25.61	25.50	12.8	25.59	25.48	16.1	25.91	25.81
6.1	25.62	25.51	14.6	25.56	25.45	16.6	25.99	25.88
						18.1	26.00	25.90

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 15
 TIME = 1145(CUT)
 LATITUDE = 29DEG. .10MIN.N.
 BUCKET TEMPERATURE = 25.90DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/19/80
 LONGITUDE = 94DEG. 29.20MIN.W.
 SURF. TEMP. DIFF. = -.13DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.03	25.90	10.4	26.20	26.07	12.5	26.50	26.37
4.1	26.09	25.96	11.2	26.26	26.14	12.9	26.52	26.40
8.0	26.04	25.92	11.7	26.34	26.22	16.4	26.53	26.40
9.1	26.08	25.95	12.0	26.43	26.30	18.7	26.55	26.42

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 16
 TIME = 1245(CUT)
 LATITUDE = 28DEG. 48.75MIN.N.
 BUCKET TEMPERATURE = 26.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 DATE = 10/19/80
 LONGITUDE = 94DEG. 23.62MIN.W.
 SURF. TEMP. DIFF. = -.09DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.69	26.60	6.9	26.75	26.66	13.4	26.72	26.63
.9	26.71	26.62	7.4	26.73	26.64	14.2	26.72	26.63
1.6	26.73	26.64	8.2	26.73	26.64	15.2	26.72	26.63
2.5	26.73	26.64	9.3	26.72	26.63	15.9	26.72	26.63
3.3	26.72	26.64	10.2	26.70	26.61	17.2	26.73	26.64
4.1	26.73	26.65	11.7	26.71	26.63	17.6	26.75	26.66
5.3	26.74	26.65	12.6	26.73	26.64	18.1	26.76	26.67

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 17
 TIME = 1345(CUT)
 LATITUDE = 28DEG. 37.33MIN.N.
 BUCKET TEMPERATURE = 26.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 DATE = 10/19/80
 LONGITUDE = 94DEG. 18.08MIN.W.
 SURF. TEMP. DIFF. = -.29DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	26.69	26.40	6.9	26.70	26.42	13.1	26.72	26.44
.8	26.70	26.42	7.6	26.71	26.42	14.4	26.75	26.47
2.1	26.72	26.44	8.5	26.73	26.45	15.5	26.76	26.47
3.8	26.72	26.44	9.4	26.73	26.45	16.5	26.74	26.46
4.7	26.72	26.43	10.2	26.73	26.44	17.3	26.76	26.48
5.5	26.71	26.43	11.3	26.70	26.42	17.8	26.77	26.48
6.1	26.70	26.42	12.2	26.73	26.44	18.7	26.75	26.47
						19.1	26.80	26.51

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 18
 TIME = 1445(CUT)
 LATITUDE = 28DEG. 25.84MIN.N.
 BUCKET TEMPERATURE = 26.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 PDR DEPTH = 40.5
 DATE = 10/19/80
 LONGITUDE = 94DEG. 12.48MIN.W.
 SURF. TEMP. DIFF. = -.33DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.13	26.80	12.5	27.16	26.83	25.1	27.15	26.82
1.0	27.15	26.82	13.6	27.17	26.83	27.0	27.18	26.85
2.2	27.14	26.81	15.1	27.17	26.84	27.9	27.17	26.84
3.6	27.15	26.82	16.4	27.20	26.87	28.9	27.16	26.82
5.0	27.18	26.85	18.3	27.18	26.85	29.9	27.17	26.84
6.8	27.17	26.84	19.5	27.16	26.83	30.8	27.17	26.84
8.2	27.17	26.84	21.0	27.16	26.83	31.7	27.16	26.83
9.7	27.17	26.84	22.5	27.18	26.85	32.4	27.14	26.81
11.0	27.17	26.84	24.0	27.15	26.82	32.8	27.14	26.81
						33.2	27.14	26.81
						33.3	27.14	26.81

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 20
 TIME = 1600(CUT)
 LATITUDE = 28DEG. 12.10MIN.N.
 BUCKET TEMPERATURE = 26.90DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 PDR DEPTH = 56.7
 DATE = 10/19/80
 LONGITUDE = 94DEG. 5.20MIN.W.
 SURF. TEMP. DIFF. = -.41DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.31	26.90	5.2	27.35	26.94	8.7	27.40	27.00
1.0	27.33	26.92	5.4	27.36	26.95	10.2	27.42	27.01
2.1	27.34	26.93	6.7	27.36	26.95	12.2	27.41	27.01
3.6	27.33	26.92	7.1	27.37	26.96	14.6	27.44	27.03
4.6	27.34	26.94	7.7	27.40	27.00	15.3	27.44	27.04

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 21
 TIME = 1615(CUT)
 LATITUDE = 28DEG. 9.60MIN.N.
 BUCKET TEMPERATURE = 27.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 PDR DEPTH = 41.2
 DATE = 10/19/80
 LONGITUDE = 94DEG. 3.80MIN.W.
 SURF. TEMP. DIFF. = .14DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.26	27.40	36.2	27.60	27.74	50.1	23.80	23.94
4.0	27.29	27.42	39.2	27.61	27.74	51.0	23.72	23.86
8.9	27.30	27.44	42.3	27.62	27.76	51.9	23.48	23.62
12.9	27.30	27.44	43.5	27.64	27.77	52.7	23.06	23.19
16.4	27.31	27.44	44.0	27.66	27.80	53.6	22.96	22.49
19.3	27.35	27.48	44.4	27.61	27.74	54.2	21.75	21.89
21.1	27.37	27.51	45.7	27.53	27.67	54.9	20.78	20.92
22.5	27.50	27.64	46.7	27.34	27.47	55.2	20.39	20.53
23.7	27.59	27.72	47.3	26.89	27.02	56.1	20.06	20.20
25.7	27.60	27.74	48.2	26.15	26.29	58.1	19.75	19.89
26.8	27.59	27.73	48.4	25.68	25.81	59.5	19.69	19.82
27.4	27.56	27.69	48.8	24.93	25.07	61.1	19.63	19.82
28.7	27.55	27.68	49.2	24.40	24.54	62.6	19.68	19.82
32.8	27.59	27.72	49.6	24.03	24.17	63.4	19.69	19.82

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 22
 TIME = 1630(CUT)
 LATITUDE = 28DEG. 7.06MIN.N.
 BUCKET TEMPERATURE = 27.50DEG. C.
 REMARKS: TRACE GOOD TO 70 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 PDR DEPTH = 64.8
 DATE = 10/19/80
 LONGITUDE = 94DEG. 2.45MIN.W.
 SURF. TEMP. DIFF. = .21DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.27	27.50	32.8	28.29	28.50	45.2	27.76	27.97
.4	27.36	27.57	33.3	28.35	28.56	46.7	27.51	27.72
1.7	27.44	27.65	33.9	28.34	28.55	47.6	27.06	27.27
2.4	27.61	27.82	34.5	28.42	28.63	49.6	26.04	26.25
3.0	27.70	27.91	35.6	28.50	28.71	52.0	23.96	24.17
3.8	27.73	27.94	36.3	28.51	28.72	52.9	23.68	23.89
4.1	27.76	27.97	37.4	28.53	28.74	53.6	22.78	22.99
13.2	27.80	28.01	38.1	28.55	28.76	54.3	22.70	22.91
21.0	27.80	28.01	38.6	28.66	28.87	55.0	22.65	22.86
25.0	27.89	28.10	39.7	28.73	28.94	56.6	21.73	21.94
25.4	27.92	28.13	41.2	28.70	28.91	58.1	20.84	21.05
26.4	28.04	28.25	42.7	28.56	28.77	59.7	20.34	20.55
27.7	28.14	28.35	43.6	28.65	28.86	60.6	20.19	20.40
29.1	28.16	28.37	44.1	28.15	28.36	61.9	20.12	20.33
31.5	28.22	28.43	44.7	27.90	28.11	63.1	20.07	20.28
						65.1	20.03	20.24
						66.9	20.08	20.29

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 23
 TIME = 1645(CUT)
 LATITUDE = 28DEG. 4.43MIN.N.
 BUCKET TEMPERATURE = 27.50DEG. C.
 REMARKS: TRACE GOOD TO 75 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 PDR DEPTH = 67.5
 DATE = 10/19/80
 LONGITUDE = 94DEG. 1.00MIN.W.
 SURF. TEMP. DIFF. = .16DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.34	27.50	37.3	27.84	28.00	50.1	26.03	26.19
.8	27.42	27.58	37.3	27.92	28.08	51.3	25.49	25.65
3.4	27.44	27.61	38.0	27.98	28.14	53.3	24.52	24.69
27.4	27.50	27.66	38.3	28.06	28.23	54.5	23.97	24.13
28.1	27.53	27.70	38.9	28.14	28.30	56.5	23.00	23.16
28.6	27.58	27.74	39.3	28.16	28.32	57.3	22.83	22.99
29.1	27.68	27.84	40.3	28.11	28.28	59.0	21.51	21.67
29.9	27.80	27.96	40.7	28.06	28.22	59.8	20.01	20.17
30.4	27.85	28.02	41.0	28.03	28.19	61.0	19.43	19.60
32.0	27.89	28.06	42.4	27.97	28.13	62.1	19.24	19.40
33.1	27.91	28.07	44.3	27.88	28.04	62.7	19.15	19.31
33.4	27.88	28.04	46.3	27.81	27.97	63.7	19.12	19.28
33.5	27.83	27.99	46.9	27.61	27.77	65.6	19.10	19.27
35.0	27.82	27.99	48.5	26.58	26.75	68.5	19.06	19.22
36.7	27.83	27.99	49.0	26.29	26.46	72.1	19.05	19.21

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 24
 TIME = 1700(CUT)
 LATITUDE = 28DEG. 1.83MIN.N.
 BUCKET TEMPERATURE = 27.50DEG. C.
 REMARKS: TRACE GOOD TO 74 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 PDR DEPTH = 68.4
 DATE = 10/19/80
 LONGITUDE = 93DEG. 59.50MIN.W.
 SURF. TEMP. DIFF. = -.04DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.54	27.50	41.8	27.90	27.86	53.4	24.21	24.17
.4	27.60	27.56	42.4	27.93	27.89	54.2	23.95	23.91
7.7	27.63	27.59	42.8	27.94	27.90	54.5	23.91	23.87
24.0	27.69	27.65	43.2	27.91	27.87	55.6	23.57	23.53
25.1	27.72	27.68	43.5	27.87	27.83	56.0	23.55	23.51
26.4	27.71	27.67	44.1	27.83	27.79	57.5	21.92	21.88
27.3	27.73	27.69	44.6	27.80	27.76	58.9	20.93	20.89
28.8	27.71	27.67	45.5	27.76	27.72	59.6	20.88	20.84
30.6	27.71	27.67	46.0	27.68	27.64	60.4	19.89	19.85
32.5	27.71	27.67	46.9	27.51	27.47	61.2	19.68	19.64
34.0	27.80	27.76	47.4	27.33	27.29	61.8	19.55	19.51
34.3	27.81	27.77	47.9	27.30	27.26	62.1	19.54	19.50
35.6	27.83	27.79	48.3	27.27	27.23	63.0	19.45	19.41
36.8	27.90	27.86	49.5	26.77	26.73	64.1	19.17	19.13
37.7	27.92	27.88	50.4	26.21	26.17	64.5	19.12	19.08
39.5	27.90	27.86	51.0	26.03	25.99	65.8	19.03	18.99
40.5	27.85	27.81	51.6	25.85	25.81	67.8	19.01	18.97
41.0	27.82	27.78	52.2	25.56	25.52	69.5	18.95	18.91
41.2	27.86	27.82	52.7	25.07	25.03	70.6	18.91	18.87

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 25
 TIME = 1715(CUT)
 LATITUDE = 27DEG. 59.19MIN.N.
 BUCKET TEMPERATURE = 27.40DEG. C.
 REMARKS: TRACE GOOD TO 80 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 PDR DEPTH = 76.5
 DATE = 10/19/80
 LONGITUDE = 93DEG. 58.19MIN.W.
 SURF. TEMP. DIFF. = .01DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.39	27.40	41.1	28.15	28.16	63.2	22.06	22.07
1.1	27.53	27.54	41.8	28.12	28.13	63.4	21.64	21.65
2.3	27.64	27.65	42.5	28.16	28.17	64.3	20.84	20.85
3.0	27.73	27.74	43.5	28.22	28.23	64.7	20.15	20.16
5.2	27.79	27.80	46.4	28.29	28.30	65.0	19.98	20.00
13.0	27.79	27.81	47.3	28.09	28.10	66.4	19.84	19.85
14.6	27.82	27.83	47.8	28.02	28.03	68.5	19.71	19.72
17.7	27.90	27.91	48.5	27.74	27.75	68.9	19.68	19.70
23.1	27.95	27.97	48.7	27.64	27.65	70.7	19.62	19.63
27.7	27.95	27.96	49.6	27.54	27.55	71.7	19.53	19.54
31.5	28.00	28.01	51.8	26.94	26.95	72.5	19.42	19.43
32.0	28.05	28.06	52.7	26.86	26.87	73.4	19.34	19.35
32.7	28.11	28.12	53.6	26.71	26.72	74.2	19.09	19.10
33.8	28.14	28.15	56.2	25.40	25.41	74.9	18.97	18.98
35.6	28.18	28.19	56.7	25.33	25.34	75.1	18.93	18.94
36.7	28.17	28.18	57.9	25.23	25.24	76.1	18.87	18.89
37.0	28.18	28.14	57.8	25.14	25.15	76.3	18.79	18.80
38.7	28.11	28.12	59.9	24.04	24.06	76.8	18.55	18.56
40.1	28.14	28.15	60.8	23.49	23.50	76.9	18.37	18.38
40.6	28.17	28.18	61.8	22.99	23.00	77.0	18.31	18.32

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 26
 TIME = 1730(CUT)
 LATITUDE = 27DEG. 56.45MIN.N.
 BUCKET TEMPERATURE = 27.60DEG. C.
 REMARKS: TRACE GOOD TO 93 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 PDR DEPTH = 89.1
 DATE = 10/19/80
 LONGITUDE = 93DEG. 57.03MIN.W.
 SURF. TEMP. DIFF. = .30DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.30	27.60	55.7	27.24	27.54	72.5	19.85	20.15
.6	27.39	27.70	56.7	27.04	27.35	73.2	19.26	19.56
1.7	27.43	27.75	58.0	25.72	26.02	74.0	19.05	19.35
4.4	27.47	27.77	58.7	25.50	25.80	74.7	18.59	18.89
28.9	27.46	27.76	59.9	25.27	25.57	75.5	18.37	18.67
30.6	27.48	27.78	61.1	25.05	25.35	76.2	18.24	18.54
32.0	27.56	27.86	61.8	24.72	25.02	77.4	18.17	18.47
35.0	27.62	27.92	62.8	23.98	24.28	79.1	18.08	18.38
44.0	27.59	27.89	63.9	23.28	23.58	83.4	18.03	18.33
45.5	27.66	27.96	65.2	22.89	23.19	85.8	17.95	18.25
48.2	27.66	27.96	66.4	22.66	22.96	86.6	17.92	18.22
49.6	27.65	27.95	67.3	21.82	22.12	87.0	17.78	18.08
51.0	27.59	27.89	68.2	21.54	21.84	87.3	17.45	17.75
52.1	27.50	27.80	69.2	21.33	21.63	87.9	17.07	17.37
52.6	27.38	27.68	70.6	20.94	21.24	88.8	16.86	17.16
53.6	27.34	27.64	71.5	20.67	20.97	90.0	16.83	17.13
						90.9	16.80	17.10

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 27
 TIME = 1739(CUT)
 LATITUDE = 27DEG. 55.52MIN.N.
 BUCKET TEMPERATURE = 27.60DEG. C.
 REMARKS: TRACE GOOD TO 100 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/19/80
 LONGITUDE = 93DEG. 56.75MIN.W.
 SURF. TEMP. DIFF. = .08DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.52	27.60	54.1	28.02	28.10	73.3	22.14	22.22
.8	27.61	27.69	55.4	27.98	28.06	74.1	22.06	22.14
2.4	27.64	27.72	56.8	27.80	27.88	74.8	21.70	21.78
6.8	27.66	27.74	57.4	27.64	27.71	77.2	20.90	20.97
7.1	27.72	27.80	57.5	27.46	27.54	78.0	20.63	20.71
10.9	27.79	27.87	58.1	27.30	27.38	79.0	20.02	20.10
23.4	27.89	27.97	58.4	27.24	27.32	79.8	19.52	19.60
24.8	27.90	27.98	59.7	27.14	27.22	80.5	19.24	19.32
26.1	28.02	28.10	61.1	27.07	27.15	81.9	18.95	19.03
27.3	28.09	28.17	61.9	27.07	27.15	82.8	18.87	18.95
33.4	28.16	28.24	62.3	26.97	27.05	84.6	18.59	18.66
38.3	28.24	28.32	63.1	25.95	26.03	86.6	18.49	18.57
38.6	28.26	28.34	63.8	25.84	25.92	89.7	18.40	18.48
43.4	28.25	28.33	64.3	25.19	25.27	91.2	18.41	18.49
45.2	28.24	28.32	65.4	24.86	24.94	92.8	18.24	18.31
45.9	28.20	28.28	67.5	24.11	24.19	93.3	18.19	18.27
49.1	28.16	28.24	69.2	23.33	23.40	93.9	18.07	18.15
49.7	28.22	28.30	70.5	22.70	22.78	94.1	17.81	17.89
51.4	28.17	28.25	71.2	22.54	22.62	94.6	17.54	17.62
52.6	28.12	28.20	72.3	22.33	22.41	95.7	17.26	17.34
						96.4	17.16	17.24
						98.2	17.07	17.15

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 28
 TIME = 1801 (OUT)
 LATITUDE = 27DEG. 54.39MIN. N.
 BUCKET TEMPERATURE = 27.30DEG. C.
 REMARKS: TRACE GOOD TO 115 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 PDR DEPTH = 109.8
 DATE = 10/19/80
 LONGITUDE = 93DEG. 53.79MIN. W.
 SURF. TEMP. DIFF. = .20DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.40	27.60	64.4	24.67	24.87	81.6	18.46	18.66
.6	27.48	27.68	65.4	24.42	24.62	90.4	18.36	18.56
1.6	27.56	27.77	67.7	23.08	23.28	90.6	18.21	18.41
9.1	27.63	27.83	68.5	22.84	23.04	91.0	17.98	18.19
17.5	27.64	27.84	69.6	22.46	22.67	93.1	16.67	16.88
23.5	27.71	27.92	69.9	22.02	22.22	94.0	16.28	16.48
26.6	27.72	27.92	70.8	21.88	21.58	95.3	16.17	16.37
37.2	27.84	28.04	71.3	21.11	21.31	97.5	16.11	16.31
55.5	27.77	27.97	72.0	20.92	21.12	101.0	16.03	16.23
58.0	27.62	27.82	73.0	20.72	20.92	103.3	15.98	16.18
59.0	27.55	27.75	73.0	20.66	20.86	105.0	15.75	15.95
60.1	27.42	27.62	75.0	19.05	19.26	108.0	15.64	15.84
61.0	27.34	27.54	75.9	18.77	18.98	108.8	15.54	15.74
61.3	27.11	27.31	76.6	18.65	18.85	109.2	15.46	15.66
64.0	24.90	25.10	78.0	18.54	18.74	110.5	15.41	15.61
						111.8	15.38	15.58

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 30
 TIME = 1917 (OUT)
 LATITUDE = 27DEG. 50.58MIN. N.
 BUCKET TEMPERATURE = 27.20DEG. C.
 REMARKS: TRACE GOOD TO 93 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/19/80
 LONGITUDE = 93DEG. 52.01MIN. W.
 SURF. TEMP. DIFF. = -.28DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.48	27.20	61.7	25.51	25.22	80.9	22.32	22.04
2.1	27.60	27.31	62.5	25.40	25.11	83.3	21.93	21.65
4.6	27.61	27.32	64.3	25.33	25.05	84.3	21.87	21.59
6.5	27.48	27.19	67.0	24.51	24.23	85.3	21.53	21.25
8.9	27.47	27.19	71.7	23.77	23.48	86.2	21.30	21.01
11.9	27.40	27.11	73.4	23.52	23.23	87.2	21.24	20.95
53.3	27.37	27.08	74.5	23.03	22.75	87.6	21.23	20.95
55.8	27.39	27.11	76.0	22.84	22.56	88.1	21.03	20.75
57.1	26.97	26.69	76.7	22.72	22.43	89.5	20.94	20.66
58.5	26.86	26.57	78.3	22.60	22.31	90.3	20.96	20.68
59.8	25.56	25.30	78.9	22.40	22.11	91.1	20.89	20.61
						91.6	20.85	20.56
						92.3	20.73	20.45

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 31
 TIME = 1950 (CUT)
 LATITUDE = 27DEG. 49.19MIN. N.
 BUCKET TEMPERATURE = 27.30DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 DATE = 10/23/80
 LONGITUDE = 93DEG. 53.67MIN. W.
 SURF. TEMP. DIFF. = .06DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.24	27.30	69.9	24.84	24.90	108.1	20.09	20.15
.9	27.23	27.34	71.9	24.73	24.84	112.6	19.74	19.80
49.8	27.47	27.53	74.2	24.52	24.59	113.8	19.66	19.73
51.3	27.44	27.50	74.7	24.09	24.16	114.8	19.33	19.39
53.1	27.37	27.43	78.1	23.42	23.49	116.9	19.10	19.16
53.9	27.29	27.36	80.3	23.04	23.11	118.7	18.82	18.89
55.1	27.08	27.14	82.9	22.84	22.90	120.7	18.79	18.85
56.0	26.77	26.83	84.4	22.55	22.61	123.9	18.00	18.07
56.8	26.09	26.15	87.8	22.30	22.37	125.3	17.90	17.97
57.6	25.90	25.97	90.8	21.92	21.99	125.9	17.43	17.50
58.6	25.75	25.82	92.5	21.57	21.63	126.7	16.69	16.76
60.1	25.64	25.70	93.2	21.50	21.56	128.4	16.27	16.33
61.4	25.46	25.53	94.6	21.47	21.53	129.2	16.15	16.22
62.2	25.30	25.36	97.1	21.06	21.13	130.6	16.08	16.15
63.7	25.16	25.22	98.2	21.01	21.08	132.2	15.72	15.79
64.7	25.03	25.09	102.0	20.94	21.01	134.1	15.42	15.49
65.5	25.00	25.06	103.4	20.66	20.72	136.4	15.24	15.30
69.2	24.92	24.98	105.9	20.22	20.29	138.8	15.14	15.21
						143.0	15.15	15.21
						146.5	15.16	15.22

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 32
 TIME = 2009 (CUT)
 LATITUDE = 27DEG. 52.19MIN. N.
 BUCKET TEMPERATURE = 27.20DEG. C.
 REMARKS: TRACE GOOD TO 118 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 PDR DEPTH = 109.8
 DATE = 10/23/80
 LONGITUDE = 93DEG. 52.40MIN. W.
 SURF. TEMP. DIFF. = -.01DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.21	27.20	59.2	25.53	25.52	89.2	21.93	21.92
2.2	27.28	27.27	59.7	25.28	25.27	90.1	21.82	21.81
2.9	27.39	27.38	60.6	25.20	25.19	91.3	21.69	21.68
3.5	27.45	27.44	61.8	25.14	25.13	93.1	21.62	21.60
9.8	27.48	27.47	63.4	25.09	25.08	95.1	21.51	21.50
10.2	27.43	27.42	64.4	25.05	25.04	96.0	21.37	21.36
22.8	27.50	27.48	65.1	24.93	24.91	96.6	21.23	21.22
23.4	27.54	27.53	68.2	23.95	23.94	97.7	21.09	21.08
26.6	27.65	27.64	70.0	23.78	23.77	99.6	20.95	20.94
51.0	27.66	27.65	71.4	23.57	23.56	101.7	20.85	20.84
51.9	27.64	27.63	72.9	23.42	23.40	102.8	20.76	20.75
52.6	27.58	27.57	74.1	23.24	23.23	103.7	20.57	20.56
53.2	27.51	27.50	76.5	23.10	23.08	104.6	20.00	19.99
53.8	27.50	27.49	77.4	22.86	22.85	105.5	19.50	19.49
55.0	27.49	27.48	78.9	22.63	22.62	106.6	19.29	19.28
55.8	27.24	27.23	80.6	22.52	22.51	107.4	18.99	18.98
56.5	26.70	26.69	82.1	22.17	22.16	109.8	18.86	18.85
57.4	25.98	25.97	83.9	22.10	22.09	110.5	18.67	18.66
58.1	25.72	25.71	87.8	22.02	22.00	111.1	18.24	18.23
						111.8	18.00	17.99
						112.8	17.91	17.90

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 33
 TIME = 2310 (CUT)
 LATITUDE = 27DEG. 55.72MIN. N.
 REMARKS: TRACE GOOD TO 103 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 PDR DEPTH = 98.1
 DATE = 10/23/80
 LONGITUDE = 93DEG. 43.60MIN. W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.22	27.22	60.7	24.01	24.01	80.7	20.50	20.50
.5	27.28	27.28	61.0	24.02	24.02	81.8	20.40	20.40
10.2	27.32	27.32	64.0	23.23	23.23	86.4	20.31	20.31
19.7	27.28	27.28	64.6	23.09	23.09	87.8	20.07	20.07
22.7	27.24	27.24	66.6	22.74	22.74	89.7	19.89	19.89
25.4	27.28	27.28	67.3	22.71	22.71	90.1	19.74	19.74
46.3	27.20	27.20	68.2	22.49	22.49	92.6	19.33	19.33
47.4	27.10	27.10	69.7	22.28	22.28	94.2	18.80	18.80
48.8	27.01	27.01	70.3	22.24	22.24	95.0	18.70	18.70
49.8	26.82	26.82	71.7	21.87	21.87	96.8	18.61	18.61
53.3	25.02	25.02	73.5	21.20	21.20	98.3	18.55	18.55
54.2	24.83	24.83	74.5	20.98	20.98	98.9	18.46	18.46
56.1	24.73	24.73	75.5	20.86	20.86	100.0	17.98	17.98
58.6	24.36	24.36	77.3	20.80	20.80	101.5	17.54	17.54
60.0	24.29	24.29	79.3	20.52	20.52	103.5	17.49	17.49

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 34
 TIME = 2325 (CUT)
 LATITUDE = 27DEG. 57.19MIN. N.
 BUCKET TEMPERATURE = 27.20DEG. C.
 REMARKS: TRACE GOOD TO 98 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 PDR DEPTH = 95.4
 DATE = 10/23/80
 LONGITUDE = 93DEG. 40.17MIN. W.
 SURF. TEMP. DIFF. = -.04DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.24	27.20	47.4	26.02	25.98	70.2	22.26	22.22
1.0	27.27	27.23	47.7	25.91	25.87	70.8	21.90	21.86
15.3	27.28	27.24	48.0	25.89	25.85	71.0	21.81	21.77
16.1	27.22	27.19	50.2	25.35	25.31	72.3	21.70	21.66
16.7	27.20	27.16	51.5	24.98	24.94	73.2	21.63	21.59
30.0	27.10	27.06	53.9	24.49	24.45	75.9	21.27	21.23
34.5	27.06	27.03	56.6	24.36	24.32	77.3	21.17	21.13
35.4	26.98	26.94	57.2	24.23	24.19	78.3	20.84	20.81
41.0	26.98	26.94	57.8	23.96	23.92	80.1	20.60	20.56
41.5	27.03	26.99	57.8	23.94	23.90	82.0	20.25	20.21
41.7	27.05	27.01	59.7	23.86	23.82	85.8	19.59	19.55
42.0	27.03	26.99	60.9	23.68	23.64	89.5	18.32	18.29
42.3	26.97	26.93	61.7	23.45	23.41	91.5	18.25	18.21
43.2	26.79	26.76	62.9	23.29	23.25	93.1	18.13	18.09
44.0	26.63	26.59	64.0	23.22	23.18	93.6	17.93	17.89
44.7	26.56	26.52	66.5	22.53	22.54	94.3	17.79	17.75
45.5	26.32	26.29	67.2	22.48	22.44	95.1	17.70	17.66
46.2	26.18	26.14	68.3	22.44	22.40	96.2	17.66	17.62
46.7	26.10	26.06	69.4	22.41	22.37	97.6	17.65	17.61

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 35
 TIME = 44(CUT)
 LATITUDE = 27DEG. 56.16MIN.N.
 BUCKET TEMPERATURE = 27.20DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 DATE = 10/24/80
 LONGITUDE = 93DEG. 35.88MIN.W.
 SURF. TEMP. DIFF. = -.03DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.23	27.20	37.4	27.40	27.37	41.2	27.13	27.10
.9	27.30	27.27	38.6	27.37	27.34	43.1	25.95	25.92
1.7	27.34	27.31	39.9	27.37	27.34	43.5	25.95	25.91
5.8	27.33	27.30	40.0	27.40	27.37	44.4	25.79	25.76
10.2	27.41	27.38	40.4	27.42	27.39	45.5	25.77	25.74
35.9	27.43	27.40	40.8	27.39	27.36	45.7	25.76	25.73

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 36
 TIME = 417(CUT)
 LATITUDE = 27DEG. 53.96MIN.N.
 BUCKET TEMPERATURE = 26.90DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 DATE = 10/24/80
 LONGITUDE = 93DEG. 34.99MIN.W.
 SURF. TEMP. DIFF. = -.32DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.22	26.90	65.3	20.76	20.43	81.0	19.09	18.76
1.2	27.28	26.95	65.5	20.47	20.15	85.5	19.07	18.74
2.3	27.29	26.97	66.3	20.26	19.94	86.4	18.73	18.45
4.0	27.25	26.92	67.2	20.14	19.82	88.5	18.66	18.34
53.2	27.19	26.87	69.6	20.09	19.77	91.1	18.53	18.25
55.0	27.08	26.76	70.9	19.78	19.46	94.8	18.09	17.77
57.3	26.98	26.66	72.6	19.71	19.38	95.8	18.09	17.76
59.5	26.83	26.50	75.0	19.56	19.24	98.1	17.60	17.28
60.7	26.77	26.45	76.7	19.27	18.95	98.9	17.56	17.23
60.9	26.70	26.37	78.3	19.17	18.85	100.8	17.06	16.74

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 37
 TIME = 429(CUT)
 LATITUDE = 27DEG. 54.90MIN.N.
 BUCKET TEMPERATURE = 27.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BB-1
 PDR DEPTH = 46.0
 DATE = 10/24/80
 LONGITUDE = 93DEG. 35.50MIN.W.
 SURF. TEMP. DIFF. = -.30DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.30	27.00	30.8	27.41	27.11	40.0	26.39	26.59
1.6	27.38	27.08	31.8	27.42	27.12	40.9	26.84	26.54
3.7	27.39	27.09	32.6	27.42	27.12	41.6	26.78	26.48
7.8	27.40	27.10	32.9	27.35	27.05	42.1	26.73	26.43
10.7	27.41	27.11	33.8	27.21	26.92	42.6	26.63	26.34
15.3	27.41	27.11	34.8	27.10	26.81	43.1	26.51	26.22
19.3	27.42	27.12	35.6	27.02	26.72	44.1	26.45	26.15
24.5	27.43	27.13	37.2	26.97	26.68	45.3	26.42	26.13
29.0	27.39	27.09	38.9	26.95	26.65	46.2	26.40	26.11
						47.3	26.39	26.09
						48.6	26.38	26.09

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 39
 TIME = 604(CUT)
 LATITUDE = 27DEG. 54.02MIN.N.
 BUCKET TEMPERATURE = 27.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/24/80
 LONGITUDE = 93DEG. 39.51MIN.W.
 SURF. TEMP. DIFF. = -.05DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.05	27.00	49.3	24.47	24.41	76.7	21.43	21.37
.9	27.10	27.05	51.4	24.40	24.35	80.2	21.30	21.25
21.1	27.22	27.16	54.0	24.30	24.24	81.2	21.14	21.08
25.5	27.31	27.24	54.4	24.19	24.14	83.0	20.93	20.88
26.9	27.26	27.21	55.0	24.15	24.09	83.7	20.93	20.88
34.4	27.20	27.14	56.2	24.11	24.05	85.4	20.45	20.40
35.1	27.15	27.09	57.3	24.03	23.98	86.5	20.39	20.34
35.9	27.09	27.03	58.4	23.88	23.82	87.5	20.23	20.17
36.8	26.83	26.83	59.6	23.83	23.77	88.0	20.04	19.99
38.0	26.76	26.71	60.2	23.67	23.62	89.6	19.94	19.88
39.5	26.56	26.51	60.6	23.60	23.54	90.6	19.88	19.82
41.0	26.50	26.45	62.8	23.52	23.47	92.0	19.85	19.80
41.8	26.40	26.35	64.0	23.05	22.99	92.8	19.83	19.77
42.9	26.23	26.23	66.5	22.62	22.56	93.3	19.74	19.68
43.8	25.94	25.89	69.2	22.61	22.55	94.1	19.57	19.51
45.0	25.51	25.46	70.8	22.03	22.02	95.7	17.93	17.88
46.9	25.15	25.09	73.8	21.80	21.74	96.1	17.76	17.71
48.2	24.64	24.60	75.3	21.59	21.53	97.0	17.66	17.61
48.8	24.51	24.45	76.3	21.49	21.44	97.6	17.57	17.51
						98.3	17.44	17.38
						99.0	17.28	17.22

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 40
 TIME = 643(CUT)
 LATITUDE = 27DEG. 54.45MIN.N.
 BUCKET TEMPERATURE = 27.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 DATE = 10/24/80
 LONGITUDE = 93DEG. 37.08MIN.W.
 SURF. TEMP. DIFF. = -.09DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.09	27.00	8.9	27.60	27.51	40.8	27.47	27.38
.7	27.14	27.05	33.0	27.75	27.66	41.0	27.38	27.29
3.0	27.15	27.06	33.6	27.78	27.69	42.7	27.21	27.12
4.1	27.25	27.16	39.0	27.85	27.76	45.3	26.01	25.92
4.8	27.50	27.41	40.1	27.71	27.62	45.9	25.92	25.83
						46.7	25.87	25.78
						47.5	25.85	25.76

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 41
 TIME = 701(CUT)
 LATITUDE = 27DEG. 55.26MIN.N.
 BUCKET TEMPERATURE = 27.10DEG. C.
 REMARKS: EP6 STA. 5

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 PDR DEPTH = 114.3
 DATE = 10/24/80
 LONGITUDE = 93DEG. 34.26MIN.W.
 SURF. TEMP. DIFF. = -.03DEG. C.

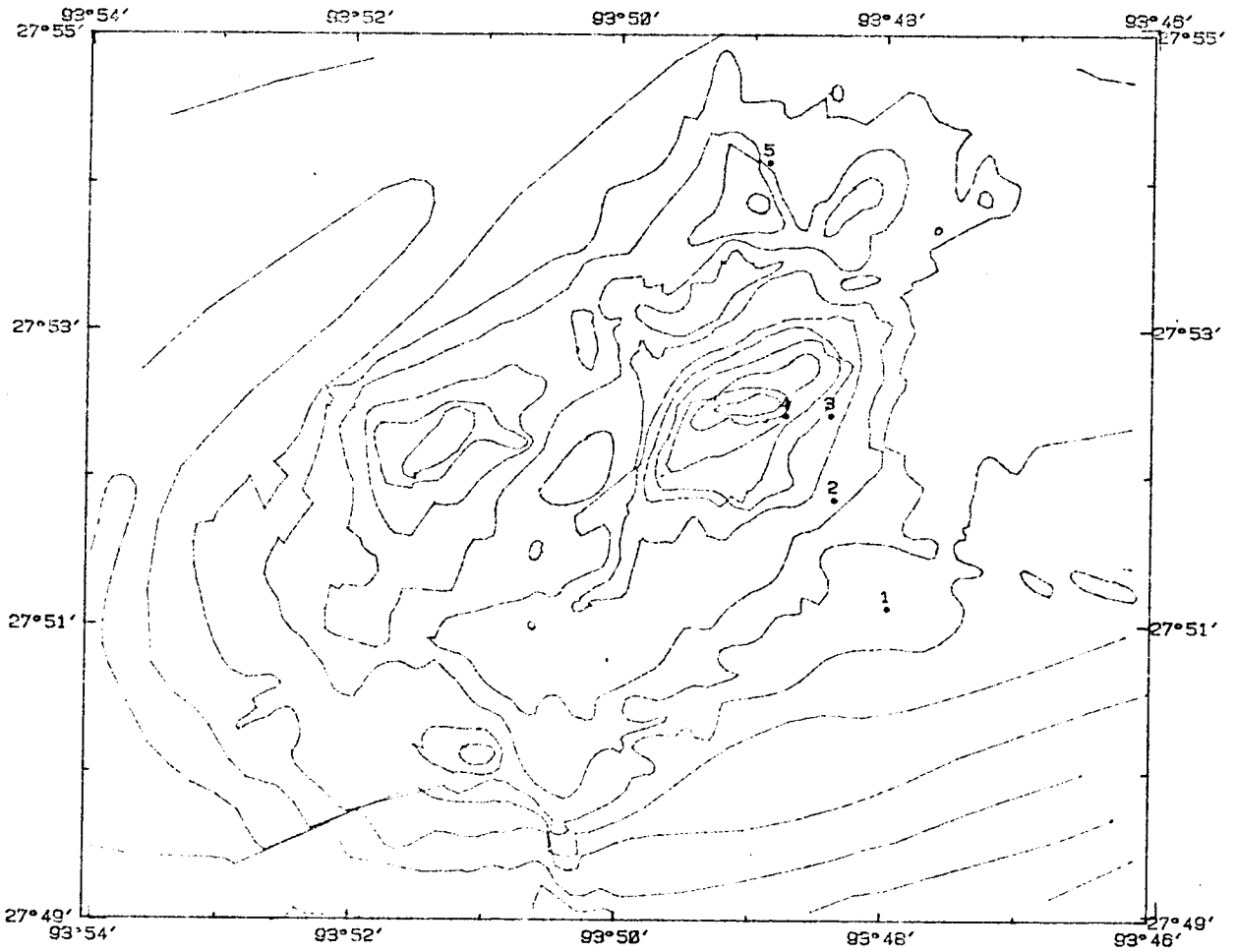
DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.13	27.10	66.0	23.79	23.76	87.9	19.52	19.50
.7	27.23	27.20	66.4	23.49	23.46	89.0	19.52	19.49
37.5	27.25	27.23	69.4	21.36	21.33	90.2	19.16	19.13
38.6	27.14	27.14	69.8	21.18	21.16	92.0	18.77	18.74
39.7	27.07	27.05	70.7	21.04	21.02	93.0	18.59	18.56
51.4	26.93	26.90	71.9	20.99	20.96	96.4	18.48	18.45
52.2	26.74	26.71	72.8	20.89	20.86	97.4	18.09	18.06
54.3	26.56	26.53	73.5	20.68	20.66	98.6	17.53	17.56
55.9	25.24	25.21	74.3	20.48	20.46	99.5	17.47	17.44
56.6	25.15	25.12	76.2	20.31	20.28	102.1	17.31	17.29
57.0	25.12	25.09	77.8	20.15	20.13	104.3	17.18	17.15
61.4	25.11	25.09	79.6	19.96	19.94	104.8	17.01	16.99
62.3	25.03	25.00	82.4	19.85	19.82	107.2	16.94	16.92
64.2	25.00	24.97	85.2	19.73	19.71	110.3	16.80	16.77
65.4	23.98	23.96	86.2	19.56	19.53	115.9	16.68	16.66
						120.9	16.63	16.60
						127.4	16.54	16.51

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 42
 TIME = 700(CUT)
 LATITUDE = 27DEG. 55.91MIN.N.
 BUCKET TEMPERATURE = 26.90DEG. C.
 REMARKS:

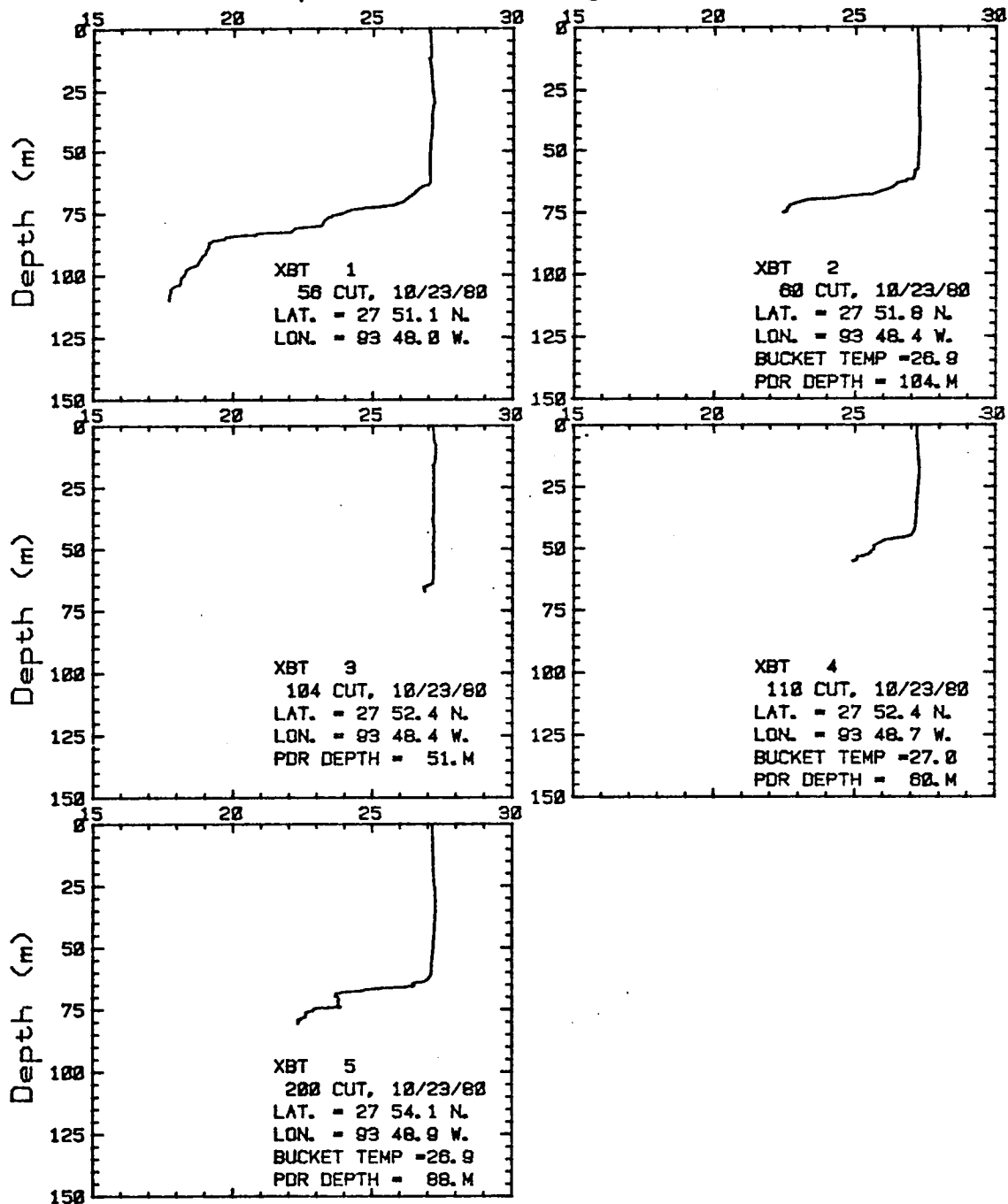
NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-BS-1
 PDR DEPTH = 111.6
 DATE = 10/24/80
 LONGITUDE = 93DEG. 32.82MIN.W.
 SURF. TEMP. DIFF. = -.40DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.30	26.90	56.8	25.17	24.77	75.7	20.62	20.22
.4	27.37	26.96	58.5	24.96	24.56	76.9	20.40	20.00
1.3	27.41	27.01	59.7	24.89	24.48	79.7	20.23	19.83
32.5	27.46	27.06	61.9	24.23	23.83	82.2	20.05	19.65
33.5	27.39	26.99	62.8	23.60	23.19	83.2	19.90	19.50
35.7	27.36	26.96	64.1	23.11	22.71	89.0	19.47	19.07
36.2	27.27	26.87	65.3	23.03	22.63	90.4	19.31	18.91
38.6	27.23	26.83	65.7	22.92	22.52	91.1	18.98	18.58
40.7	27.09	26.69	66.3	22.47	22.07	92.8	18.79	18.38
44.3	27.05	26.65	66.7	22.08	21.68	96.0	17.79	17.39
45.7	26.79	26.39	67.3	21.90	21.50	98.2	17.32	16.92
47.2	26.26	25.86	68.5	21.81	21.41	100.3	17.17	16.77
48.1	26.12	25.72	70.6	21.73	21.33	102.9	17.00	16.60
49.7	26.00	25.60	71.9	21.61	21.21	111.9	16.90	16.49
51.6	25.91	25.50	72.7	21.47	21.07	112.5	16.82	16.42
55.0	25.80	25.40	74.1	20.87	20.47	115.5	16.77	16.36

Cruise: 80-B5-1
XBT Positions
WEST FLOWER GARDEN BANK



Temperature in Degrees Celsius



NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 1
 TIME = 56(CUT)
 LATITUDE = 27DEG. 51.12MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 DATE = 10/23/80
 LONGITUDE = 93DEG. 47.96MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.04	27.04	73.2	24.48	24.48	86.1	19.25	19.25
11.5	27.07	27.07	73.5	24.22	24.22	86.6	19.15	19.15
11.8	27.02	27.02	74.2	24.05	24.05	87.7	19.12	19.12
16.3	27.07	27.07	75.0	23.89	23.89	88.6	19.10	19.10
21.2	27.11	27.11	75.2	23.81	23.81	89.6	19.04	19.04
25.3	27.14	27.14	75.8	23.55	23.55	90.6	19.02	19.02
30.0	27.19	27.19	76.4	23.49	23.49	91.1	19.00	19.00
31.1	27.15	27.15	76.6	23.38	23.38	91.9	18.92	18.92
35.3	27.10	27.10	77.5	23.28	23.28	93.2	18.83	18.83
39.5	27.11	27.11	78.6	23.20	23.20	94.5	18.76	18.76
43.1	27.08	27.08	79.4	23.18	23.18	95.7	18.71	18.71
46.9	27.05	27.05	80.0	23.14	23.14	96.2	18.59	18.59
52.6	27.03	27.03	80.4	22.91	22.91	96.6	18.47	18.47
62.5	27.04	27.04	80.8	22.46	22.46	97.7	18.34	18.34
63.6	26.97	26.97	81.1	22.20	22.20	98.9	18.29	18.29
64.0	26.80	26.80	82.6	22.03	22.03	99.9	18.26	18.26
65.0	26.67	26.67	82.7	21.82	21.82	100.8	18.17	18.17
66.0	26.55	26.55	82.9	21.28	21.28	101.9	18.13	18.13
67.3	26.46	26.46	83.1	20.99	20.99	103.1	18.12	18.12
68.4	26.32	26.32	83.3	20.85	20.85	103.9	18.07	18.07
69.3	26.20	26.20	83.8	20.79	20.79	104.3	17.94	17.94
70.6	26.06	26.06	83.9	20.47	20.47	104.9	17.85	17.85
71.2	25.89	25.89	84.2	20.09	20.09	105.5	17.79	17.79
71.7	25.70	25.70	84.7	19.71	19.71	106.2	17.79	17.79
72.2	25.46	25.46	85.2	19.67	19.67	108.1	17.73	17.73
72.5	25.08	25.08	85.5	19.66	19.66	109.1	17.73	17.73
72.8	24.72	24.72	85.7	19.51	19.51	109.8	17.72	17.72

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 2
 TIME = 60(CUT)
 LATITUDE = 27DEG. 51.85MIN.N.
 BUCKET TEMPERATURE = 26.90DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 PDR DEPTH = 104.2
 DATE = 10/23/80
 LONGITUDE = 93DEG. 48.37MIN.W.
 SURF. TEMP. DIFF. = -.29DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.19	26.90	61.8	27.03	26.73	69.0	24.69	24.40
9.1	27.22	26.93	62.0	26.84	26.55	69.3	24.47	24.18
20.3	27.27	26.98	62.6	26.80	26.51	69.7	24.35	24.05
33.0	27.23	26.94	62.9	26.67	26.38	69.9	24.05	23.75
41.0	27.27	26.98	63.5	26.48	26.18	70.0	23.59	23.30
53.1	27.22	26.93	64.3	26.41	26.12	70.3	23.28	22.99
57.5	27.20	26.91	65.0	26.34	26.05	70.9	23.06	22.77
58.0	27.19	26.89	66.1	26.13	25.84	71.6	22.88	22.59
58.3	27.13	26.83	66.8	25.92	25.63	72.3	22.68	22.39
59.2	27.11	26.81	68.1	25.61	25.31	73.3	22.61	22.32
61.5	27.05	26.76	68.5	25.06	24.77	74.7	22.55	22.26
						75.1	22.47	22.17

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 3
 TIME = 104(CUT)
 LATITUDE = 27DEG. 52.42MIN.N.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 PDR DEPTH = 51.2
 DATE = 10/23/80
 LONGITUDE = 93DEG. 48.40MIN.W.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.17	27.17	25.3	27.18	27.18	60.0	27.19	27.19
6.0	27.21	27.21	33.0	27.20	27.20	63.8	27.16	27.16
7.9	27.27	27.27	37.9	27.16	27.16	64.5	27.07	27.07
11.9	27.25	27.25	42.7	27.21	27.21	64.7	26.98	26.98
14.8	27.23	27.23	47.8	27.18	27.18	65.2	26.94	26.94
15.8	27.19	27.19	51.4	27.19	27.19	65.4	26.86	26.86
20.9	27.19	27.19	56.5	27.20	27.20	66.8	26.87	26.87

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 4
 TIME = 110(CUT)
 LATITUDE = 27DEG. 52.42MIN.N.
 BUCKET TEMPERATURE = 27.00DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 PDR DEPTH = 60.3
 DATE = 10/23/80
 LONGITUDE = 93DEG. 48.74MIN.W.
 SURF. TEMP. DIFF. = -.20DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.20	27.00	30.6	27.20	26.99	47.9	25.87	25.67
4.2	27.19	26.99	36.0	27.19	26.98	49.0	25.69	25.49
8.0	27.23	27.03	39.6	27.15	26.95	50.4	25.68	25.48
12.6	27.25	27.05	42.1	27.13	26.93	51.7	25.55	25.35
15.3	27.28	27.08	44.6	27.02	26.82	52.6	25.48	25.28
18.6	27.29	27.09	45.5	26.76	26.56	53.3	25.23	25.07
22.2	27.26	27.06	46.0	26.40	26.20	53.5	25.10	24.90
26.1	27.23	27.03	46.8	26.05	25.85	54.2	25.08	24.88
						54.9	25.05	24.85
						55.3	24.96	24.76

NODC COUNTRY CODE = 32
 NODC SHIP CODE = 99
 XBT NUMBER = 5
 TIME = 200(CUT)
 LATITUDE = 27DEG. 54.14MIN.N.
 BUCKET TEMPERATURE = 26.90DEG. C.
 REMARKS:

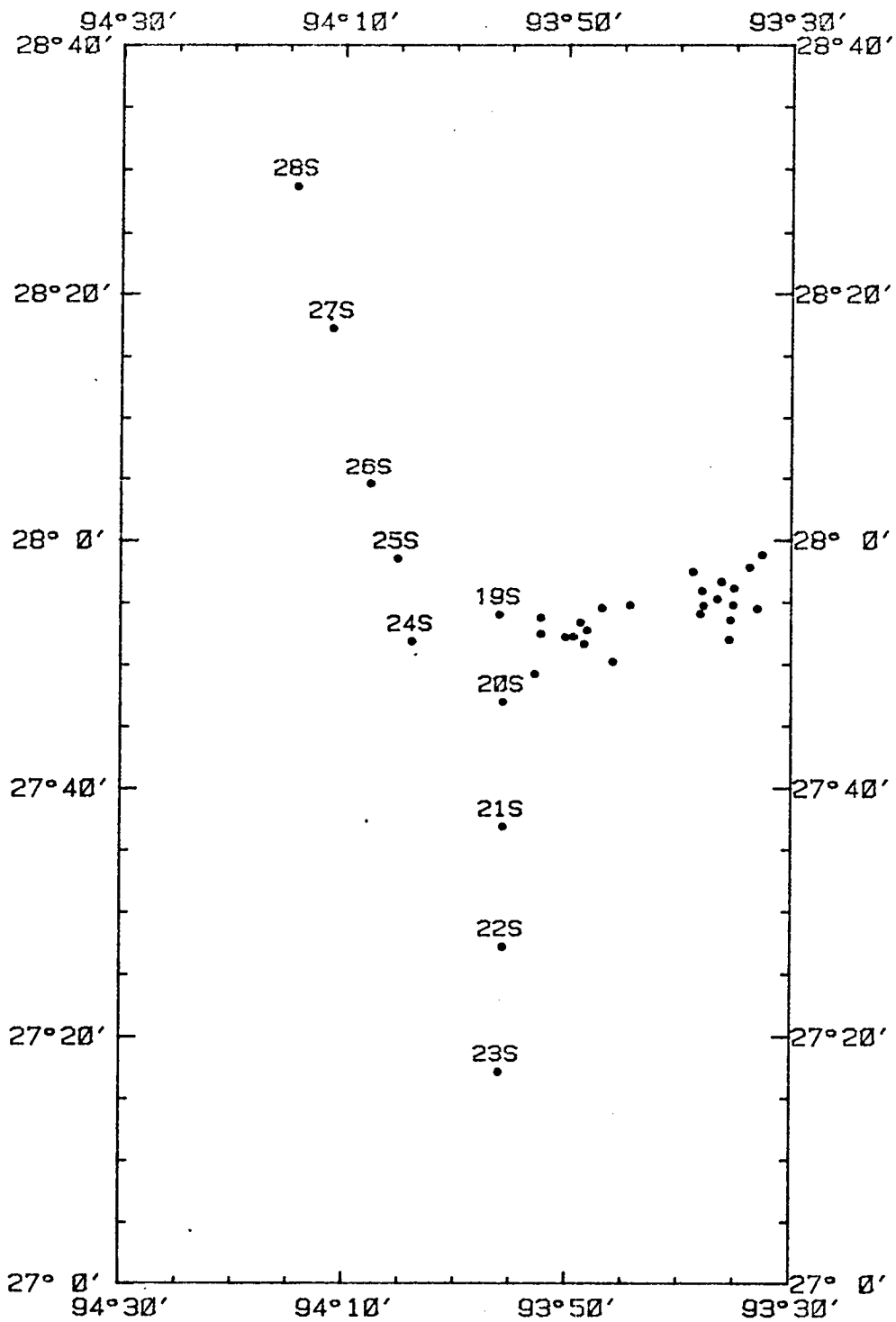
NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 80-B5-1
 PDR DEPTH = 87.6
 DATE = 10/23/80
 LONGITUDE = 93DEG. 48.88MIN.W.
 SURF. TEMP. DIFF. = -.25DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	27.15	26.90	64.2	26.56	26.31	73.0	23.79	23.55
5.6	27.17	26.93	64.4	26.47	26.23	73.3	23.77	23.53
13.5	27.18	26.94	65.1	26.50	26.25	73.6	23.85	23.60
18.0	27.19	26.95	65.6	26.47	26.23	74.1	23.85	23.61
22.5	27.21	26.97	65.9	26.17	25.93	74.4	23.41	23.16
28.0	27.27	27.02	66.4	25.45	25.20	74.4	23.02	22.78
34.7	27.23	27.03	66.9	24.83	24.58	74.7	22.94	22.69
40.5	27.24	26.99	67.6	24.53	24.31	75.4	22.88	22.63
44.3	27.23	26.98	67.9	24.18	23.93	75.6	22.77	22.52
48.5	27.19	26.94	68.1	23.89	23.65	76.0	22.67	22.43
49.1	27.20	26.95	68.4	23.84	23.60	76.3	22.63	22.38
53.1	27.16	26.91	68.6	23.71	23.46	77.1	22.62	22.37
56.7	27.13	26.88	69.5	23.68	23.43	77.6	22.61	22.36
59.1	27.14	26.89	69.7	23.74	23.50	78.2	22.52	22.27
61.2	27.11	26.86	70.9	23.82	23.57	78.6	22.45	22.20
61.6	27.07	26.82	71.4	23.78	23.53	78.9	22.44	22.20
62.4	27.05	26.80	72.0	23.79	23.54	79.1	22.36	22.11
63.7	26.86	26.62	72.4	23.80	23.55	79.7	22.35	22.11
						80.4	22.33	22.09

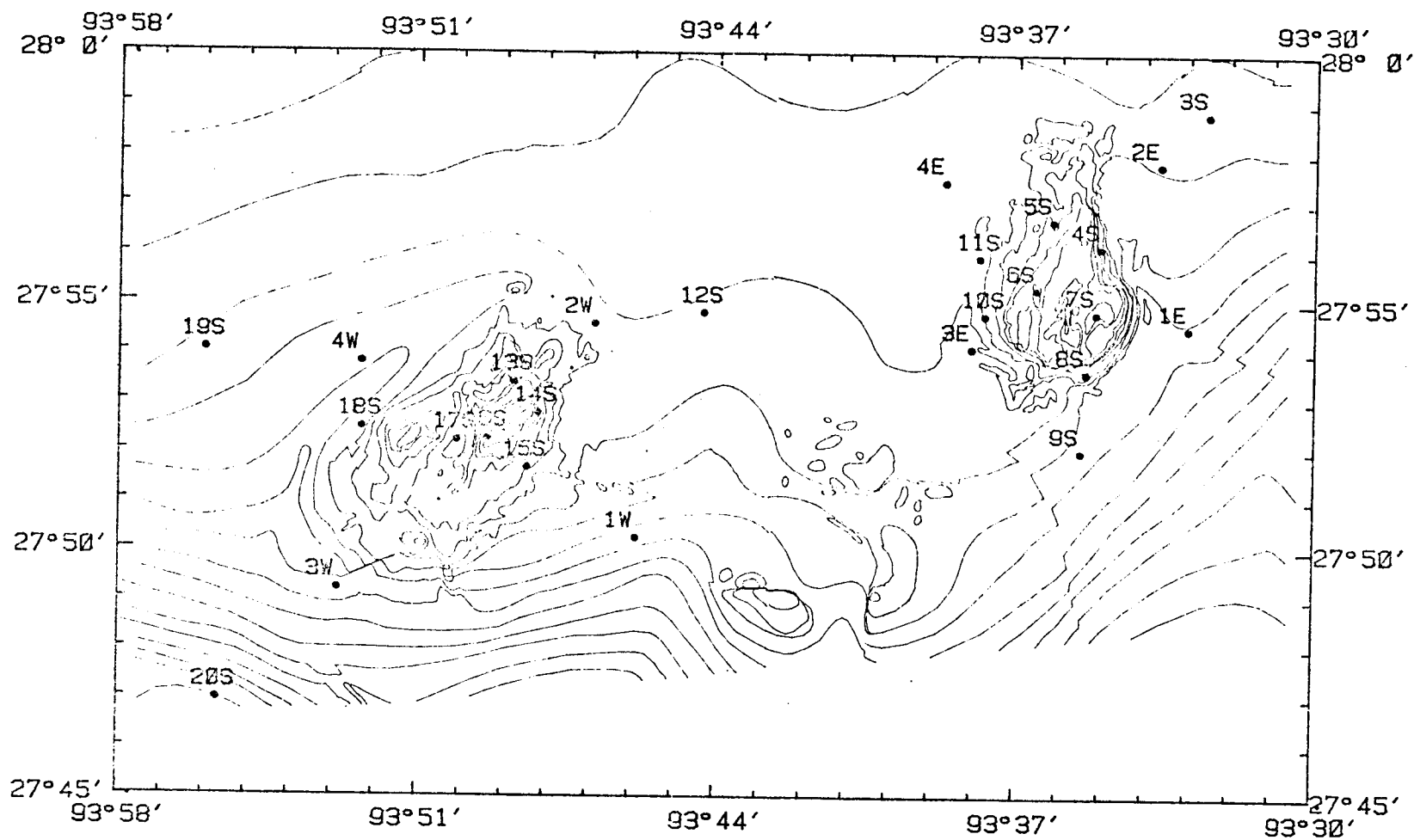
CRUISE 81-G-3 (GYRE, 3-8 Mar 81)

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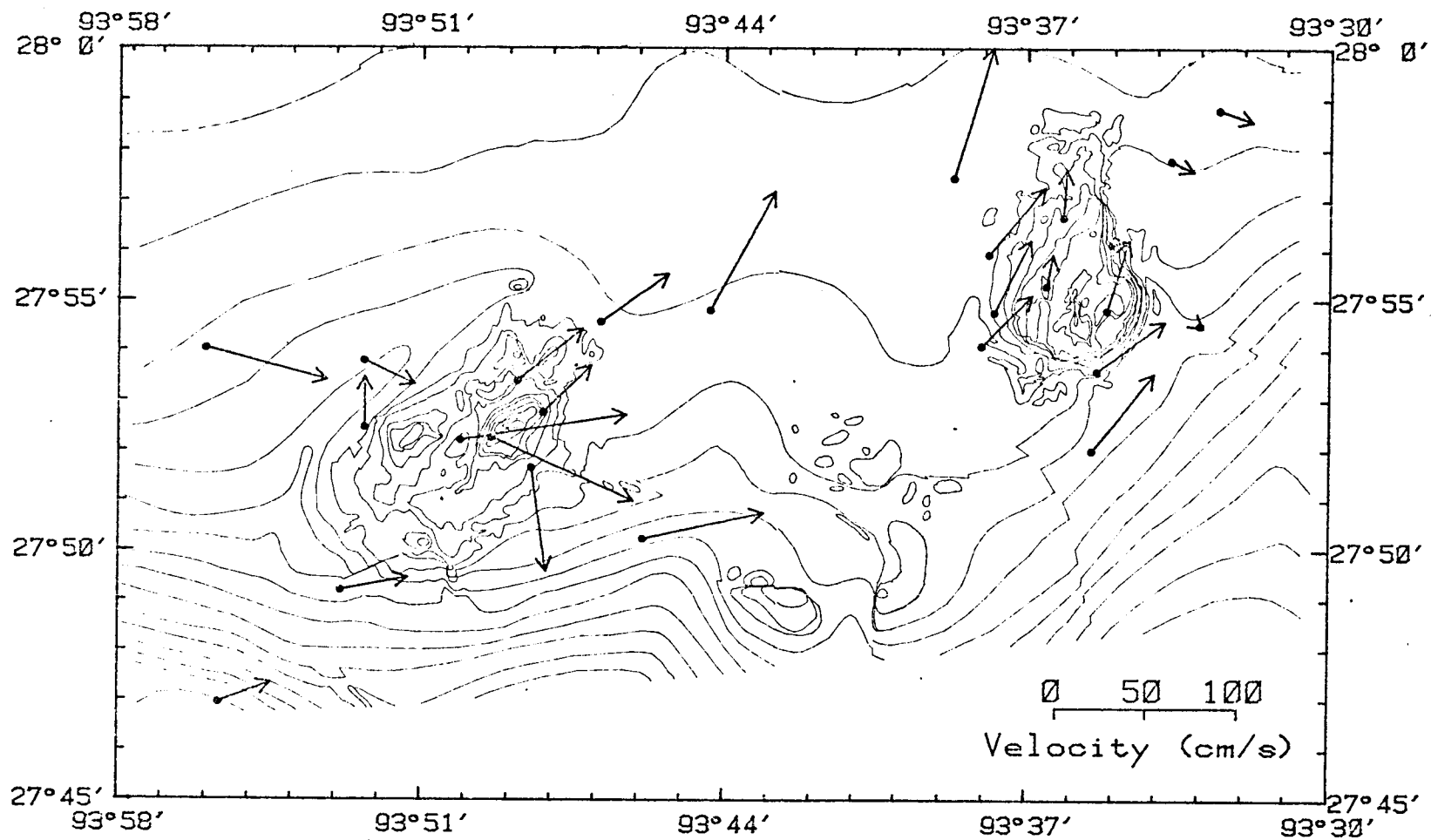
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Station Names
SHELF REGION



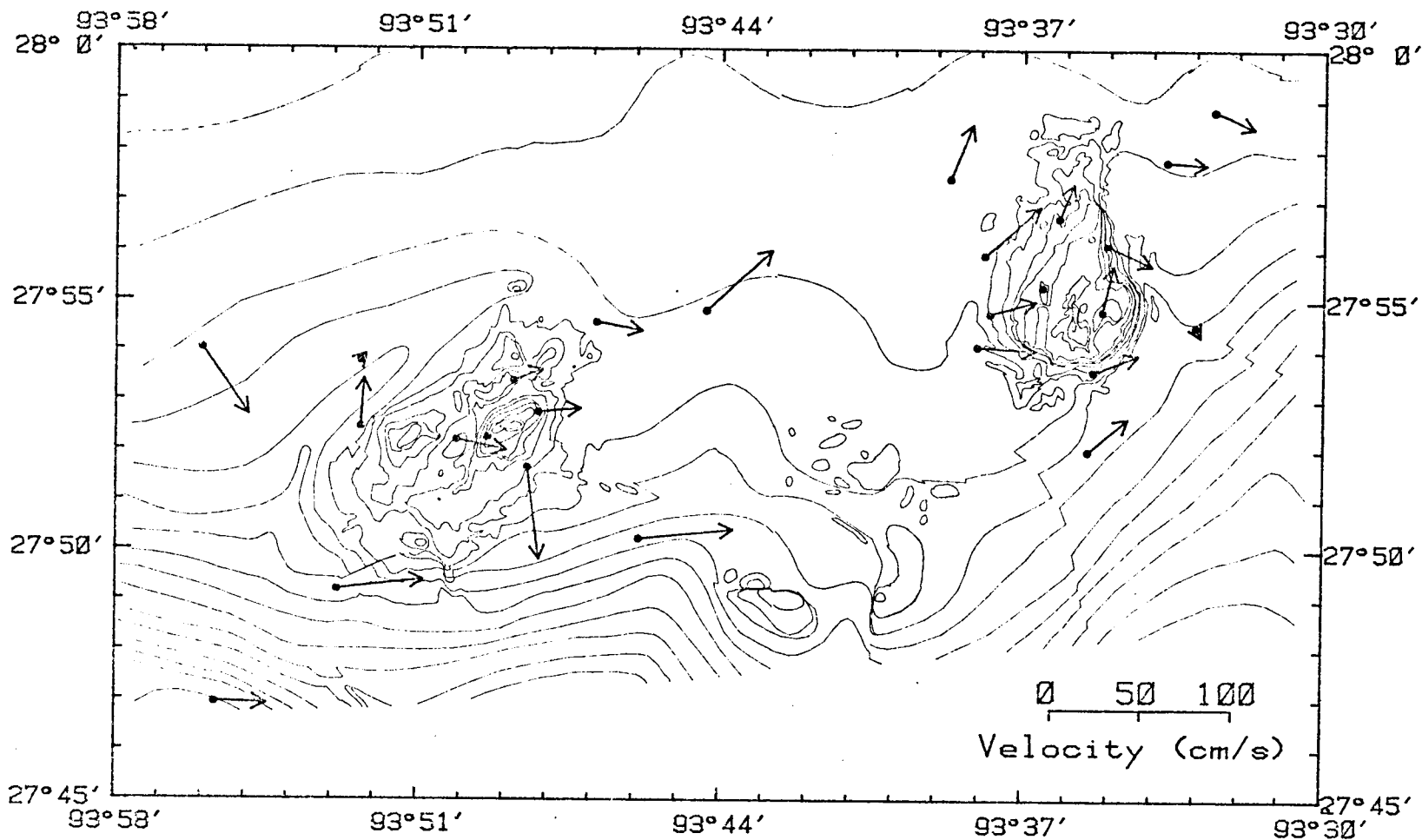
Cruise: 81-G-3
Station Names
East and West Flower Garden Banks



Cruise: 81-G-3
Velocity Vectors at 5 m Depth
East and West Flower Garden Banks

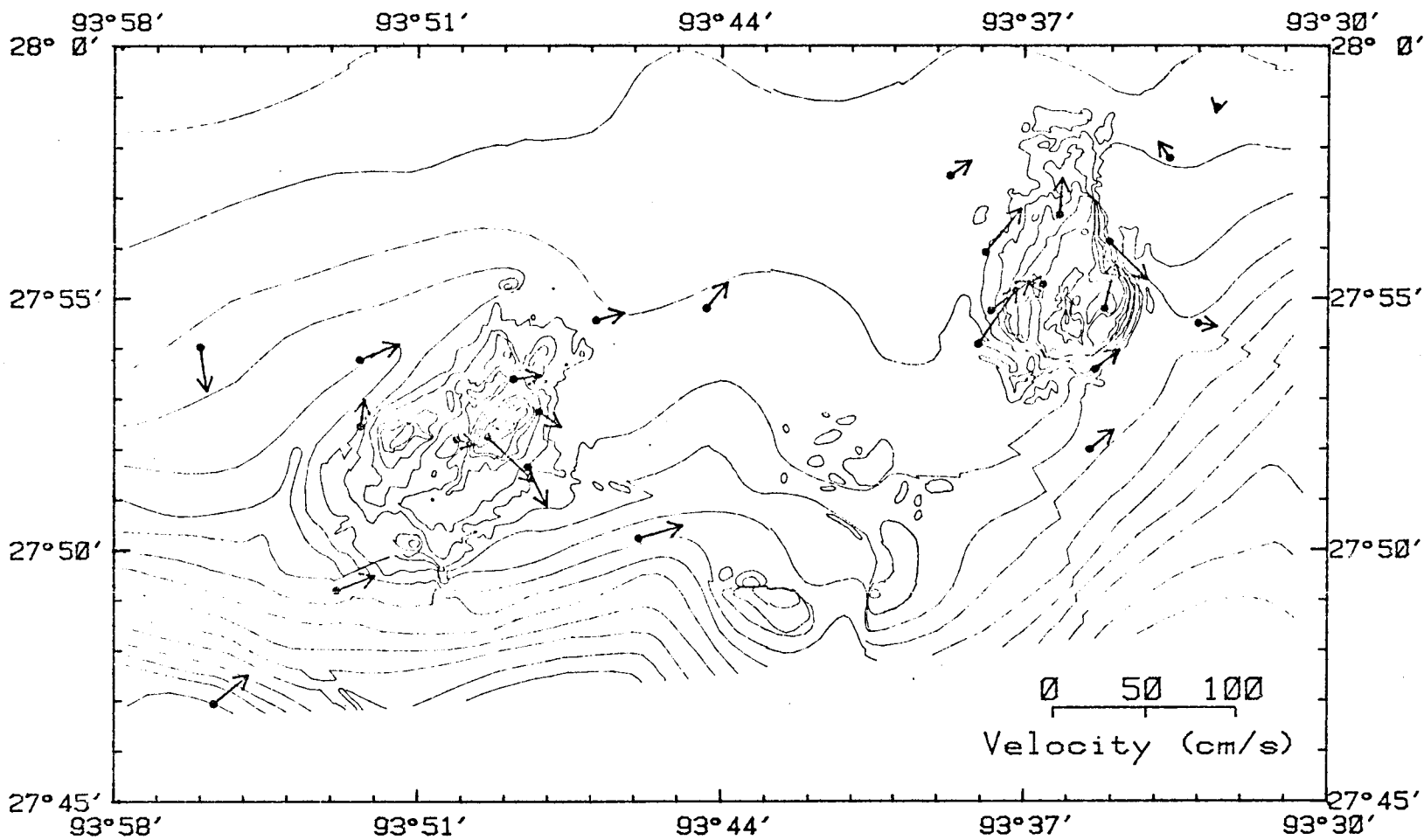


Cruise: 81-G-3
Velocity Vectors at 50 m Depth
East and West Flower Garden Banks



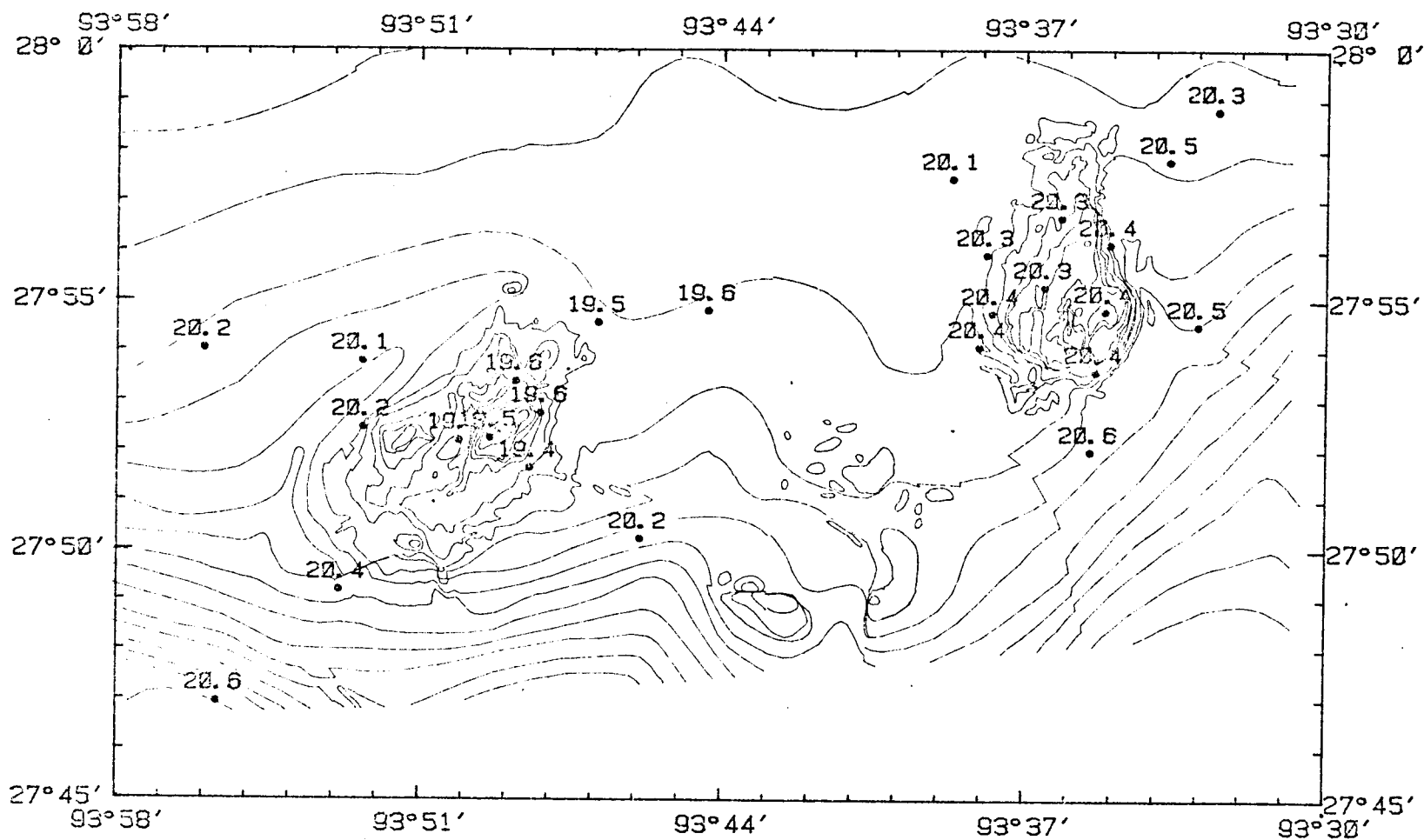
Cruise: 81-G-3

Velocity Vectors at 1 m From Bottom
East and West Flower Garden Banks



Cruise: 81-G-3

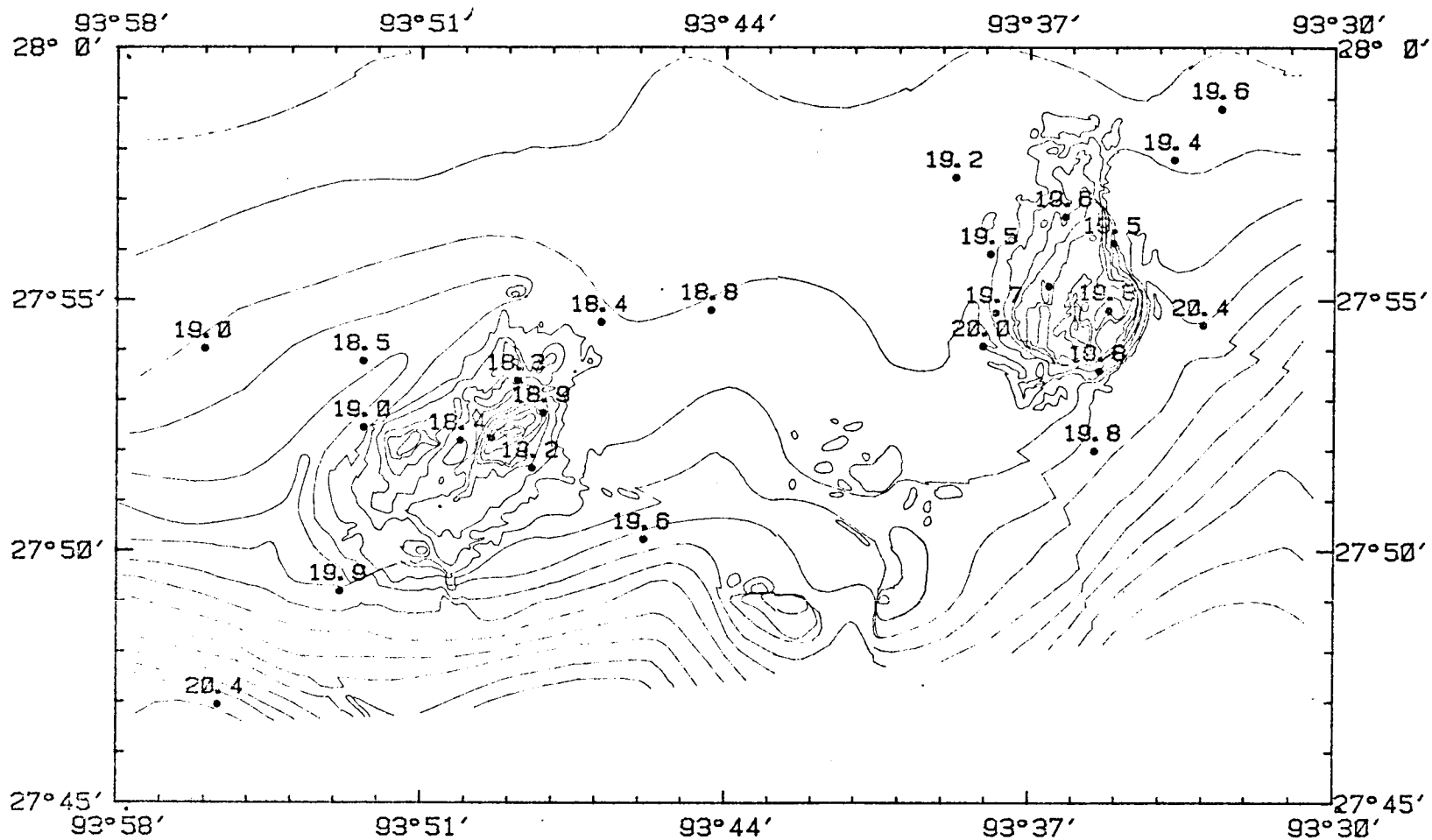
Temperature (deg. C) at 5 m Depth
East and West Flower Garden Banks



Cruise: 81-G-3

Temperature (deg. C) at 50 m Depth

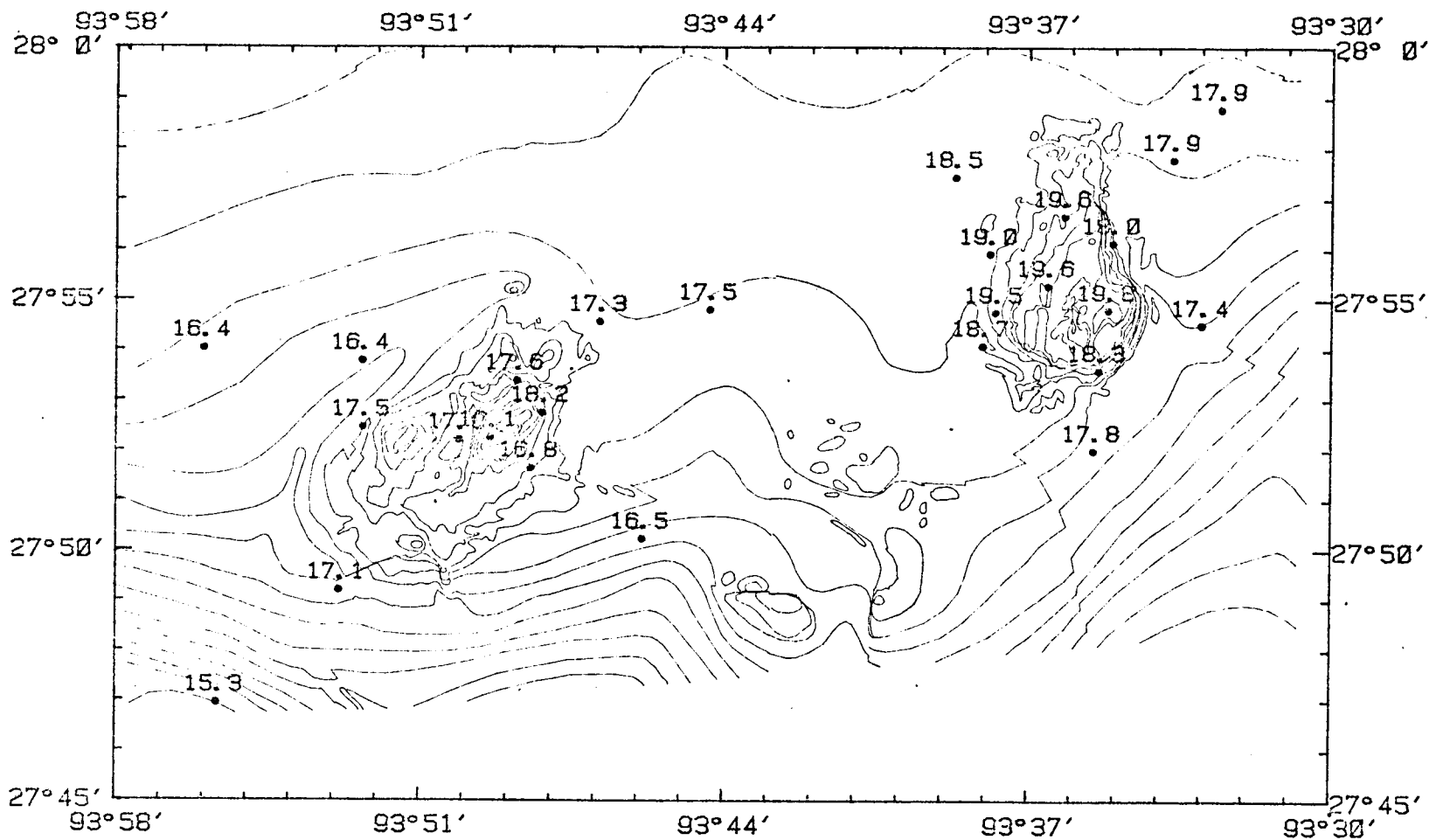
East and West Flower Garden Banks



Cruise: 81-G-3

Temperature (deg. C) at 1 m From Bottom

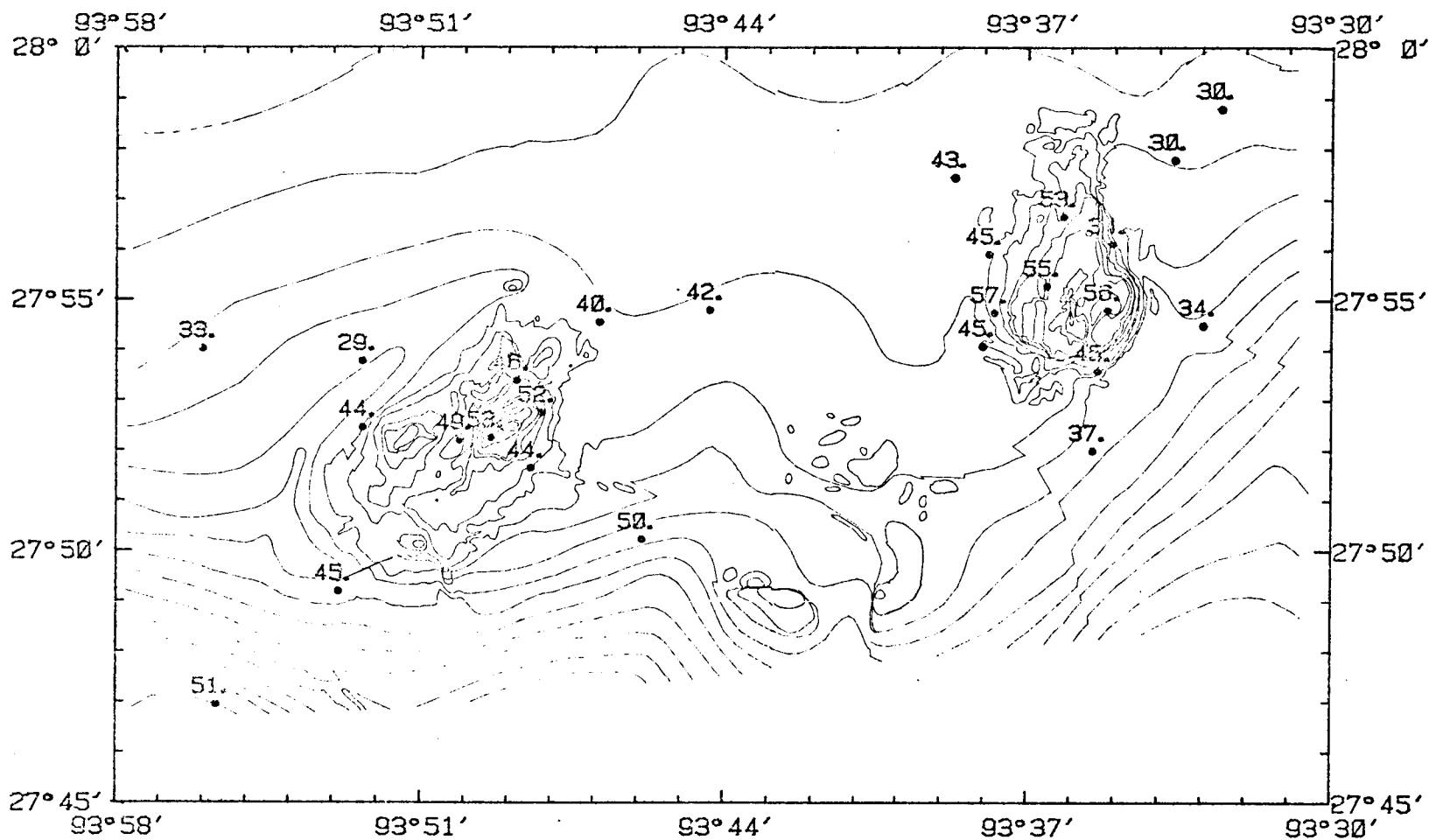
East and West Flower Garden Banks



Cruise: 81-G-3

Transmissivity (%/m) at 1 m From Bottom

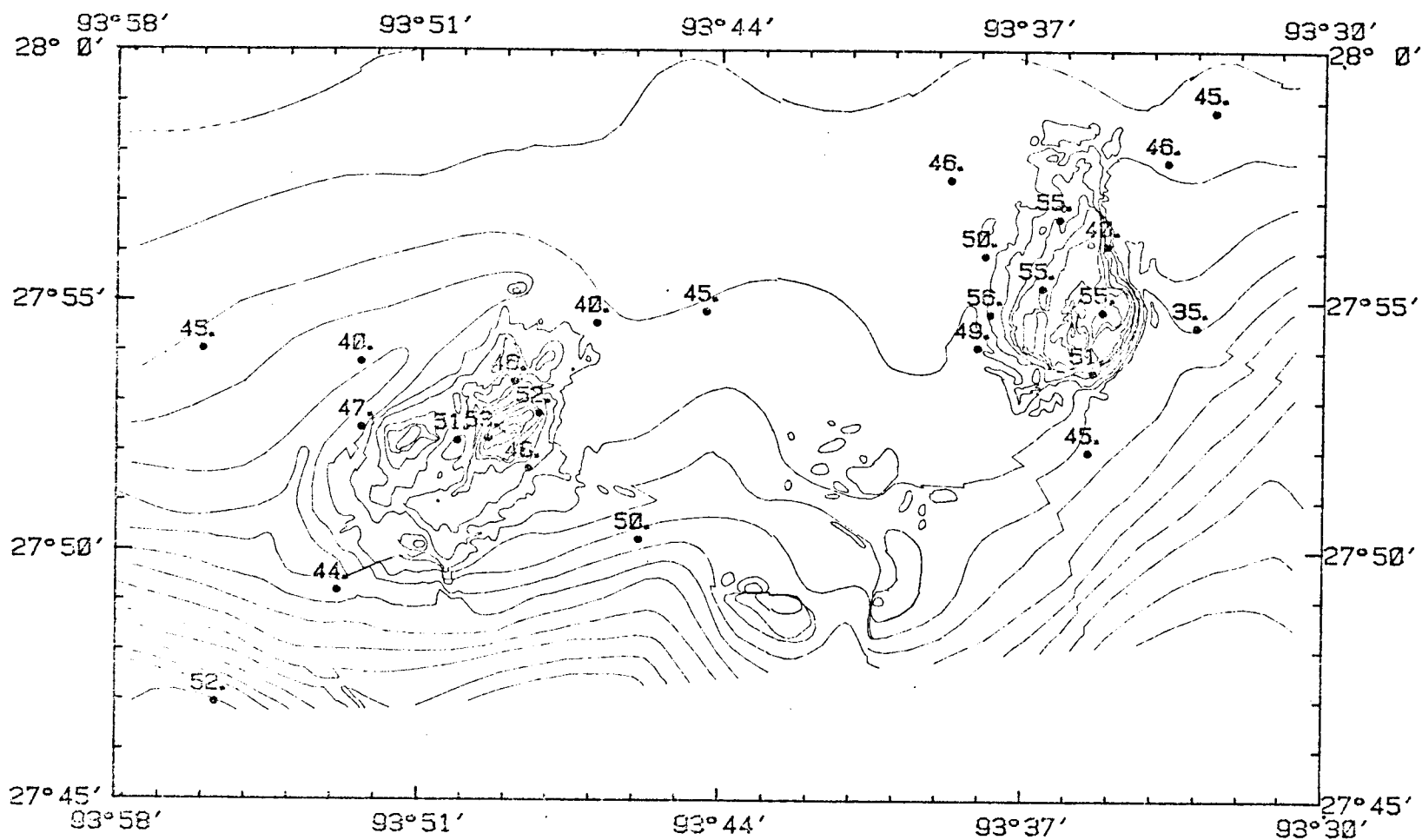
East and West Flower Garden Banks



Cruise: 81-G-3

Transmissivity (%/m) at 10 m From Bottom

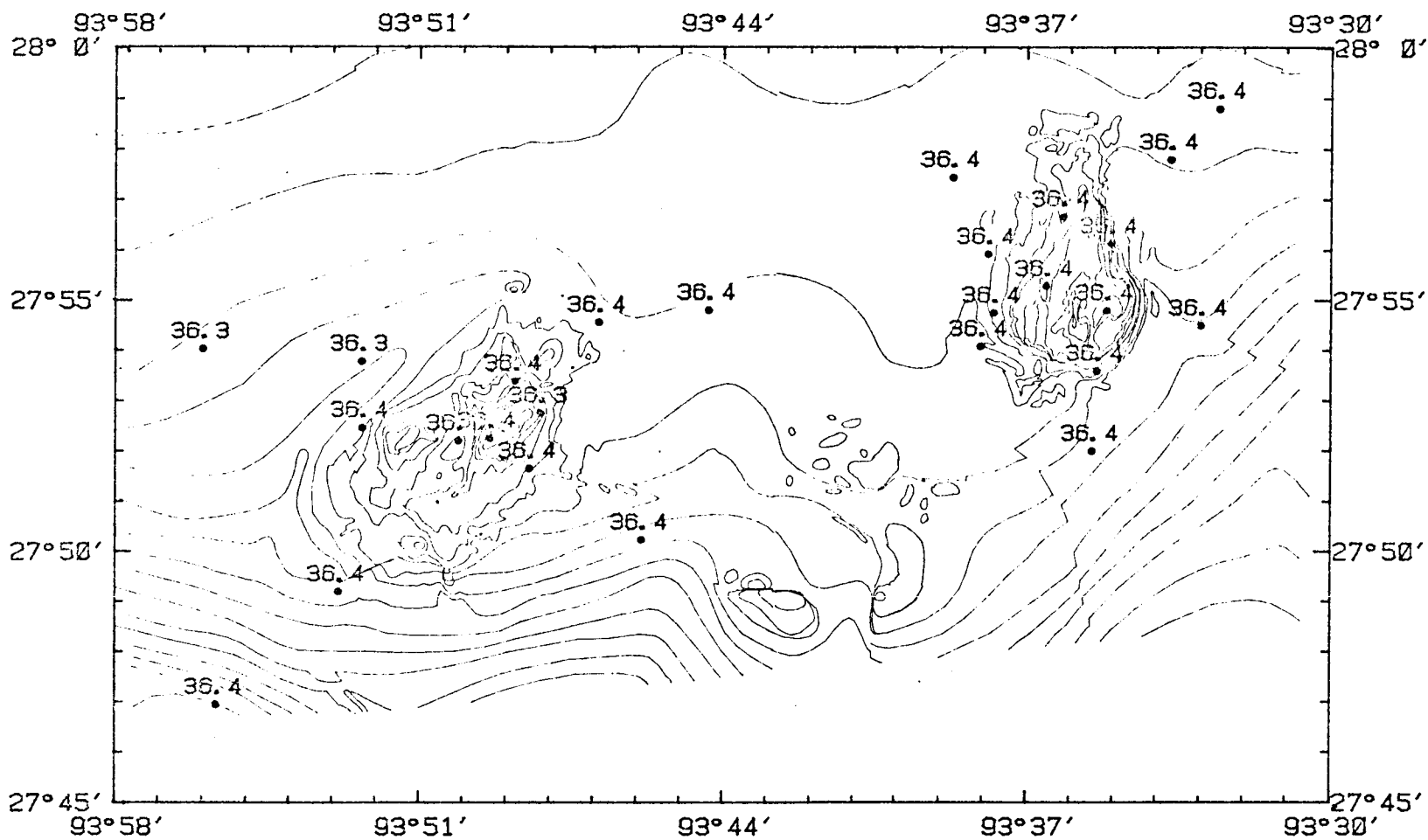
East and West Flower Garden Banks



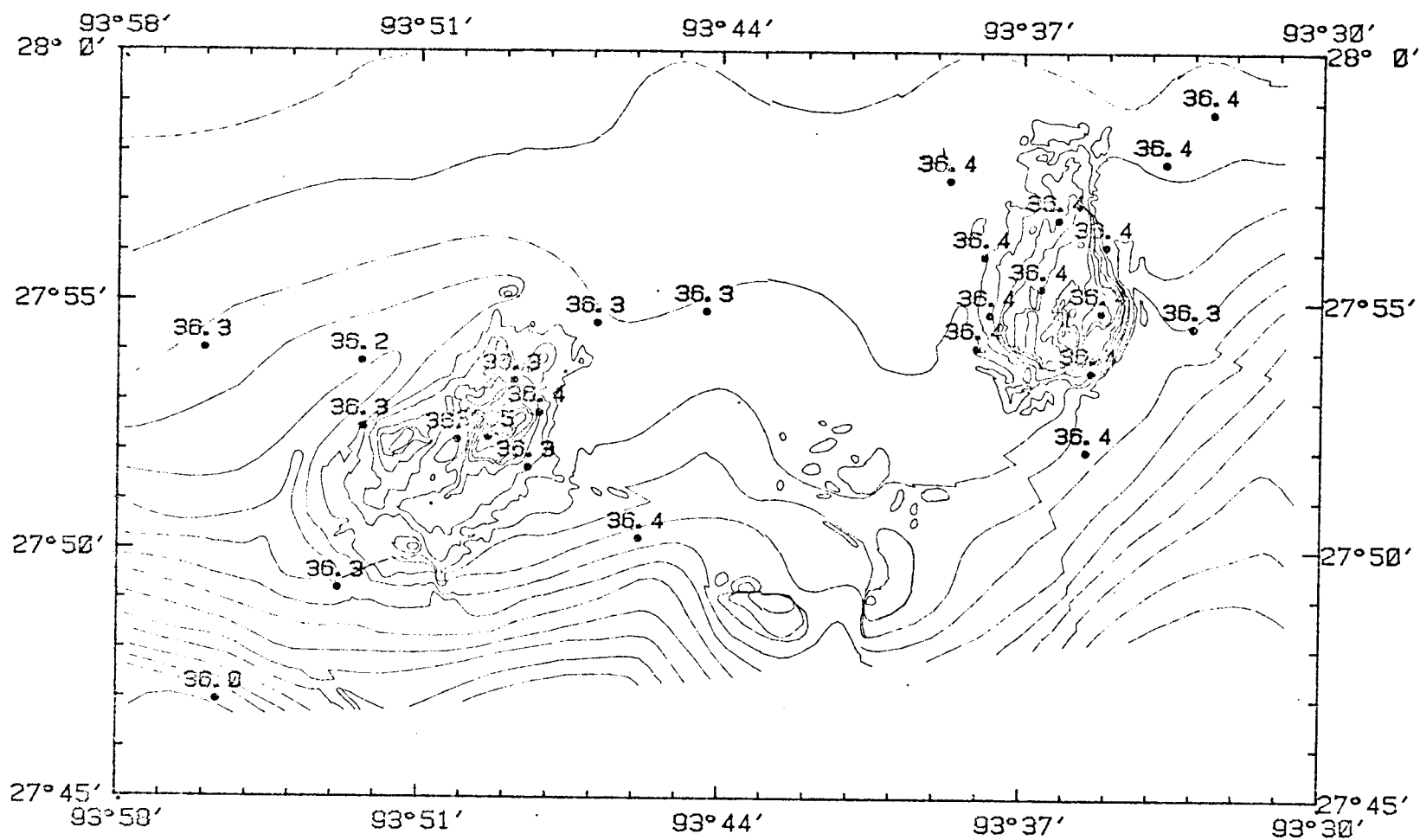
Cruise: 81-G-3

Salinity (ppt) at 5 m Depth

East and West Flower Garden Banks

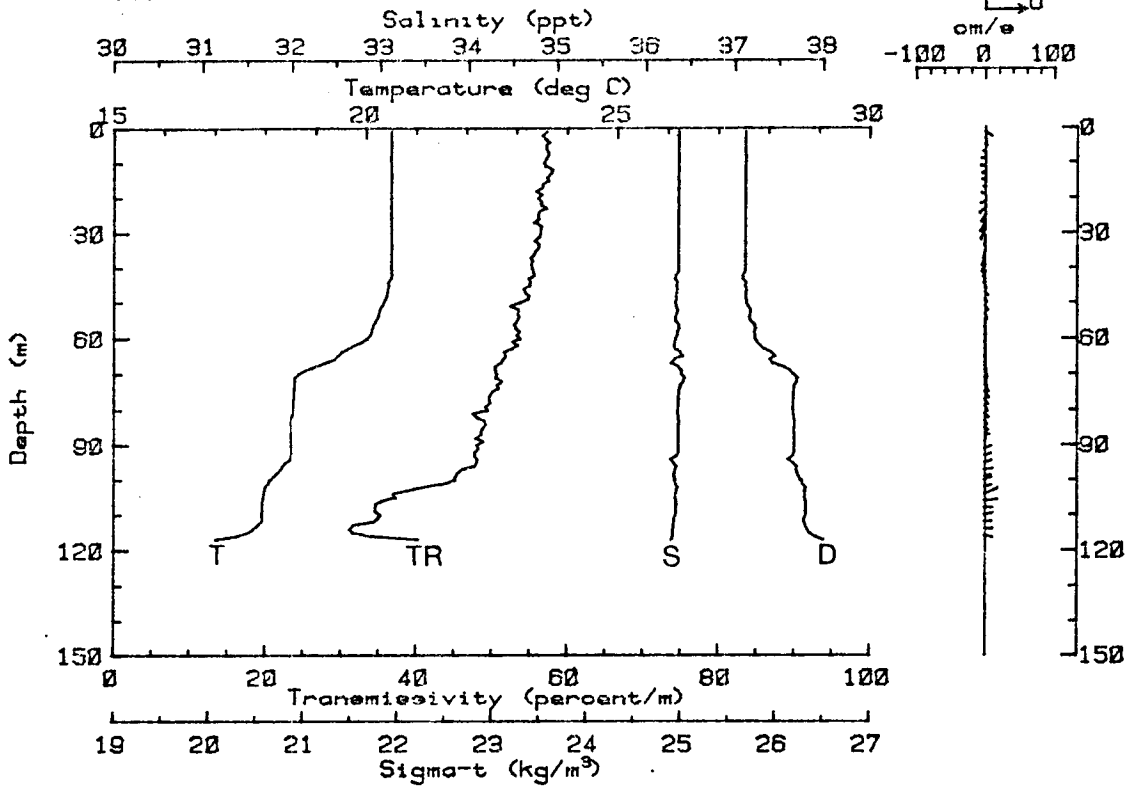


Cruise: 81-G-3
Salinity (ppt) at 1 m From Bottom
East and West Flower Garden Banks



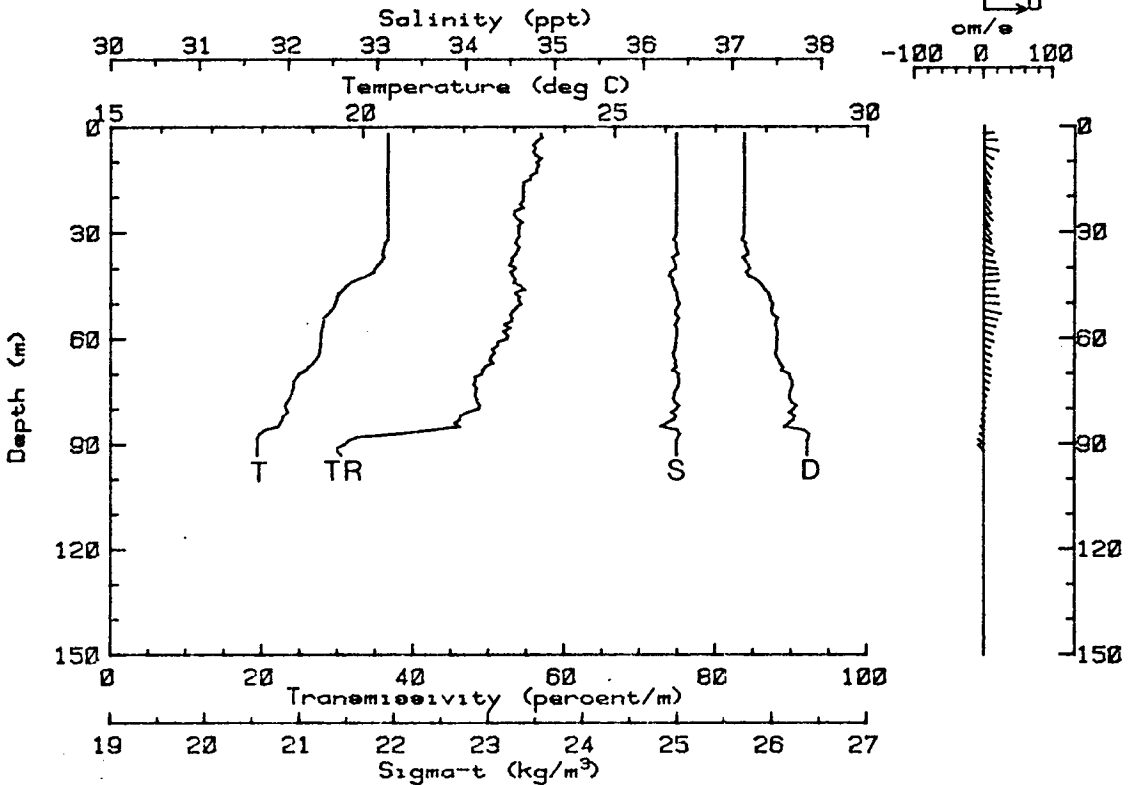
Cruise: 81-G-3
 Ship: GYRE
 Station: 1E

Year Day Hr Min
 1981: 65 : 10 : 19
 LAT 27 54.50N
 LON 93 32.99W



Cruise: 81-G-3
 Ship: GYRE
 Station: 2E

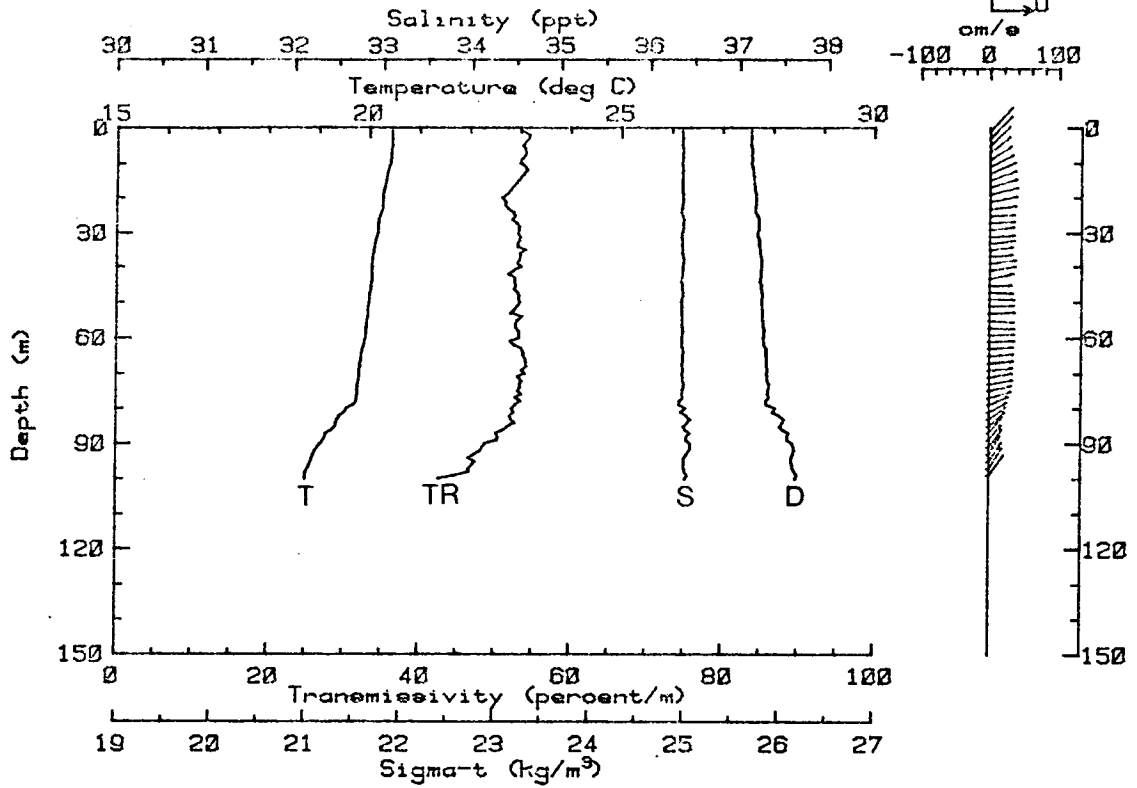
Year Day Hr Min
 1981: 65 : 13 : 57
 LAT 27 57.79N
 LON 93 33.67W



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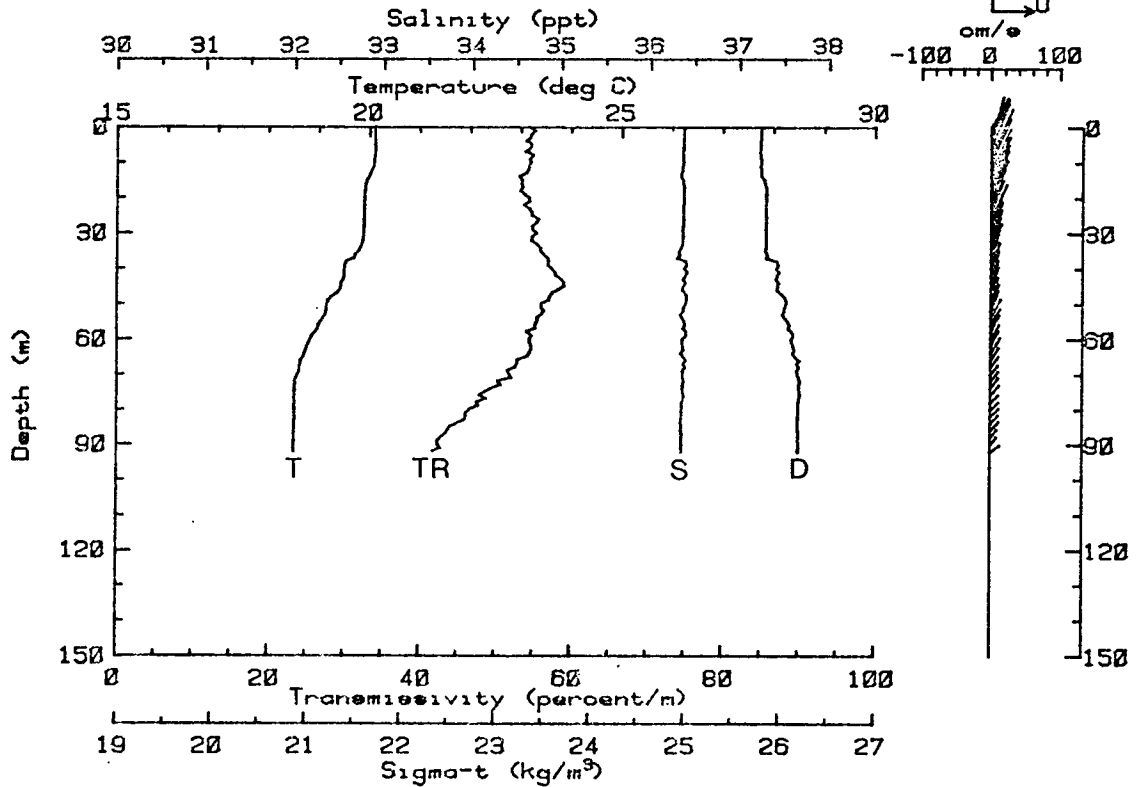
Cruise: 81-G-3
Ship: GYRE
Station: 3E

Year Day Hr Min
1981: 65 : 21 : 56
LAT 27 54.08N
LON 93 38.05W



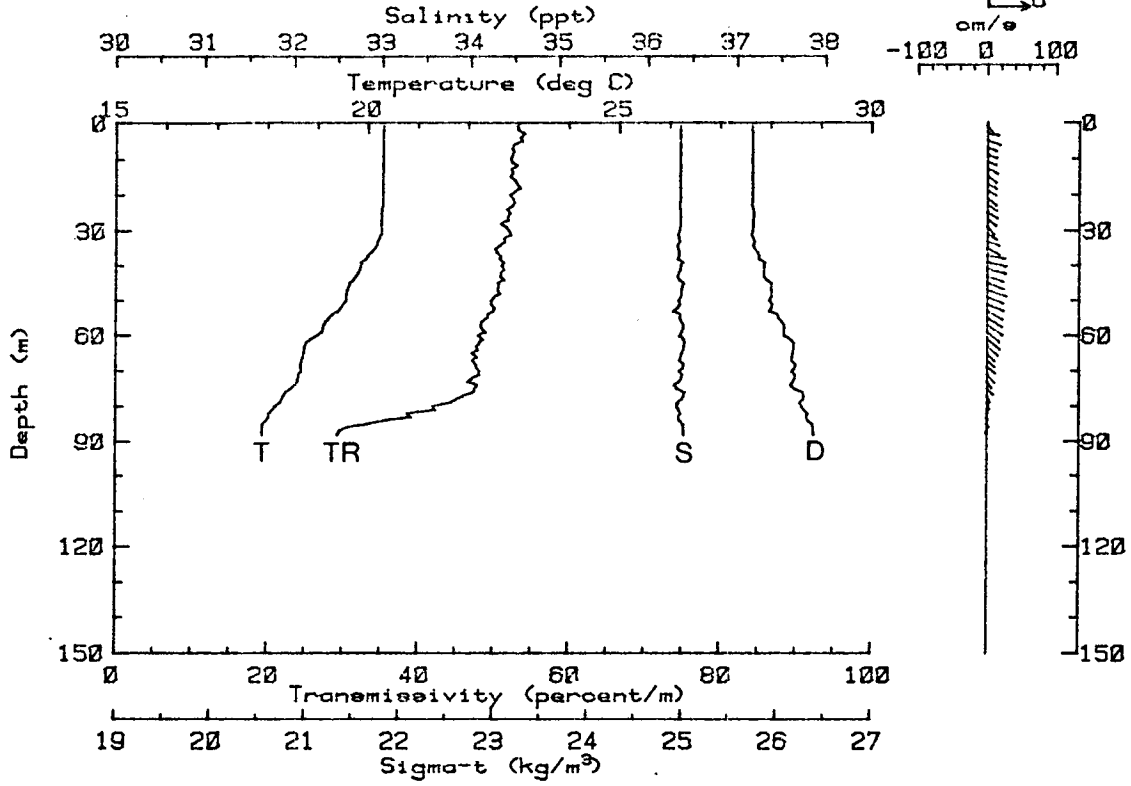
Cruise: 81G3
Ship: GYRE
Station: 4E

Year Day Hr Min
1981: 66 : 0 : 47
LAT 27 57.44N
LON 93 38.70W



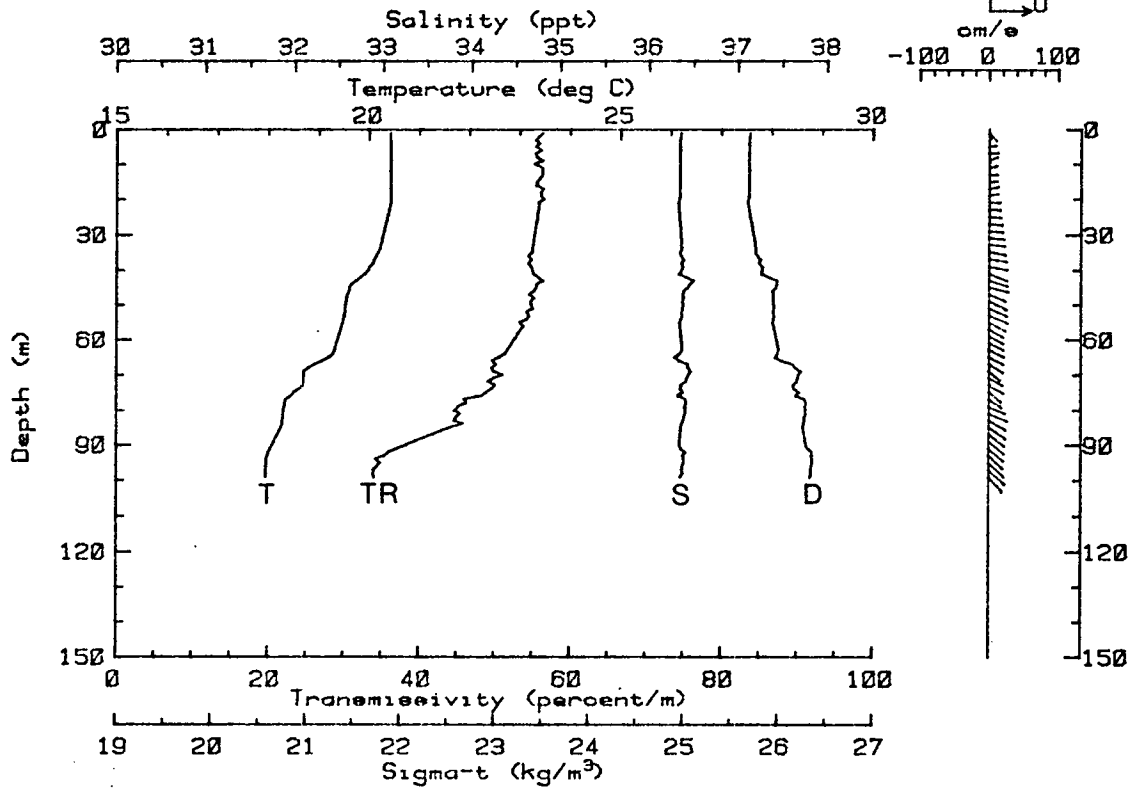
Cruise: 81-G-3
 Ship: GYRE
 Station: 3S

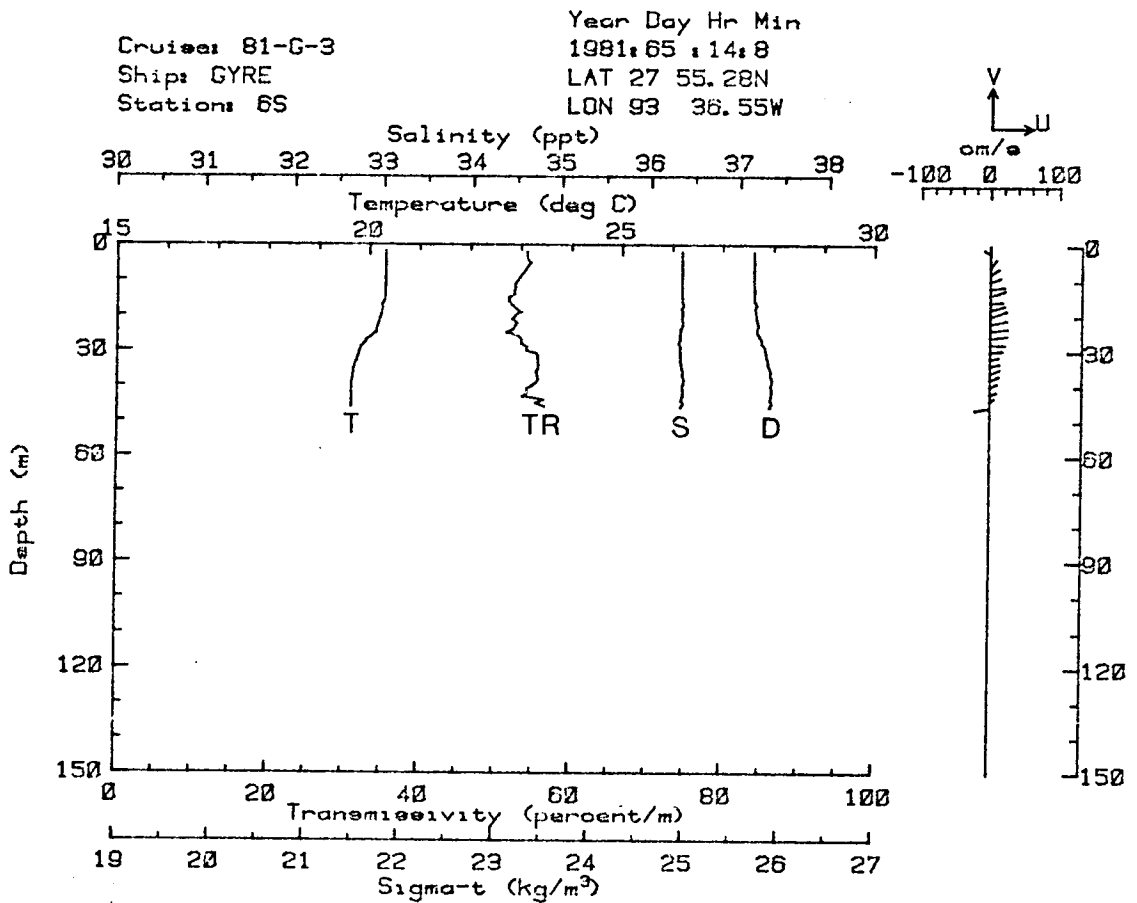
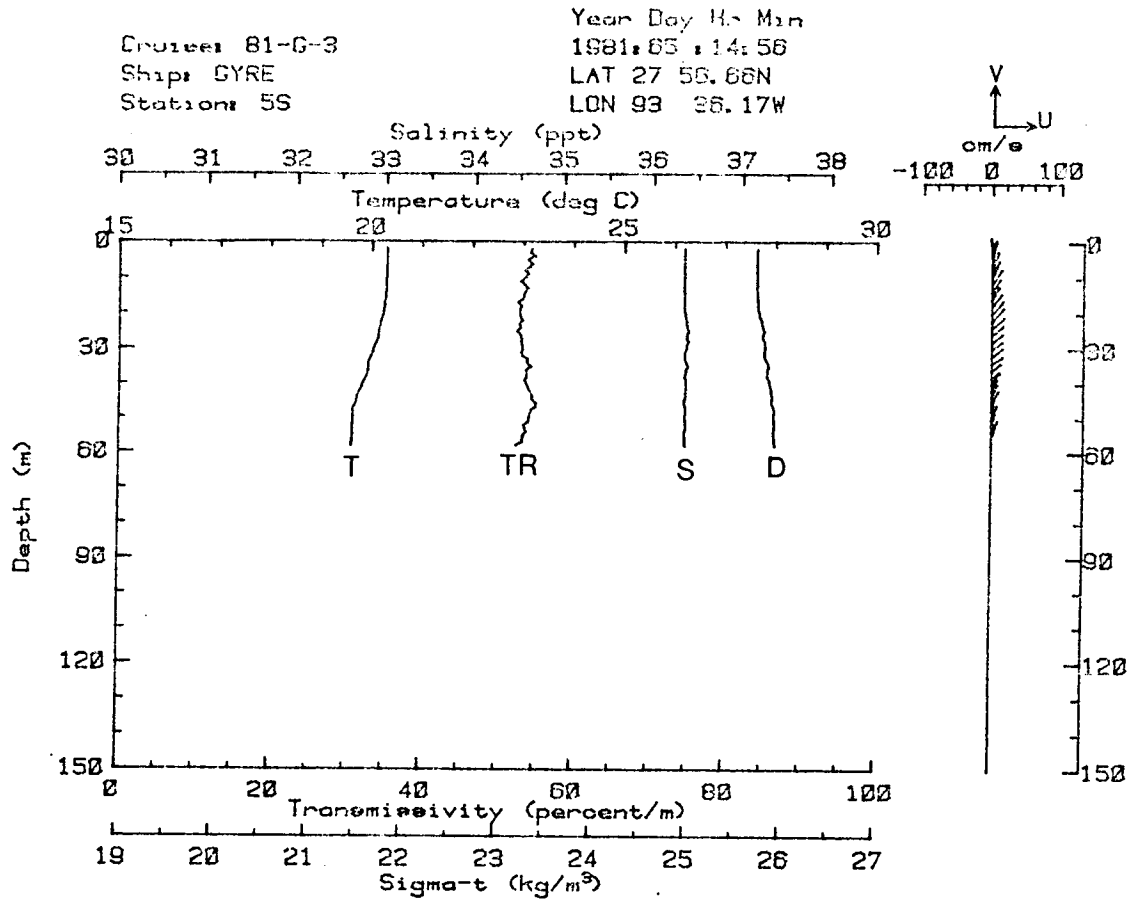
Year Day Hr Min
 1981: 65 : 3 : 3
 LAT 27 58.80N
 LON 93 32.57W



Cruise: 81-G-3
 Ship: GYRE
 Station: 4S

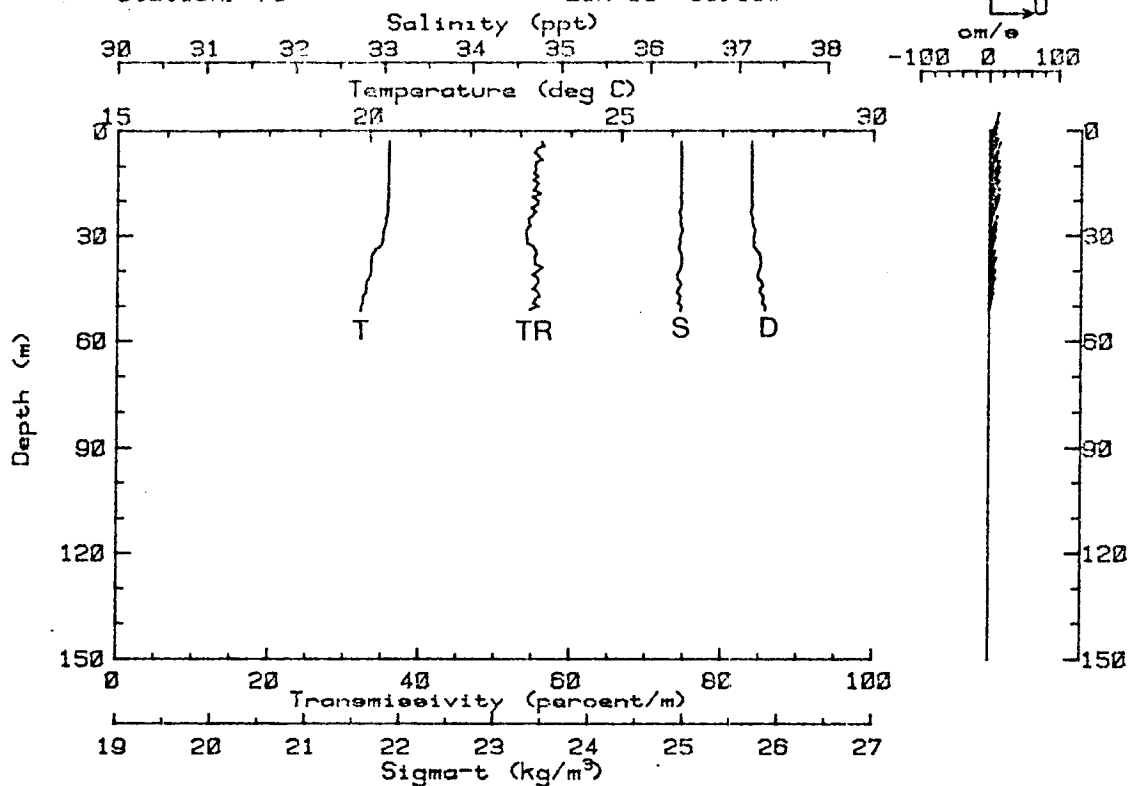
Year Day Hr Min
 1981: 65 : 11 : 32
 LAT 27 56.13N
 LON 93 35.05W





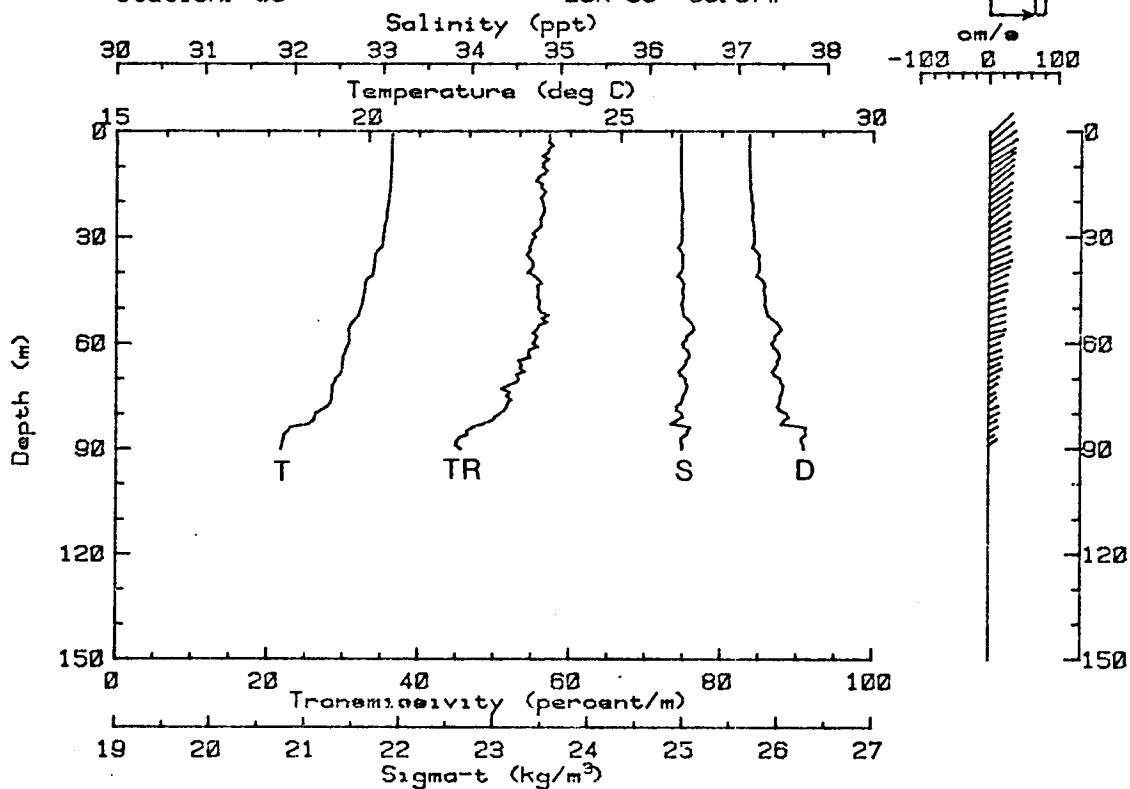
Cruise: 81-G-3
 Ship: GYRE
 Station: 7S

Year Day Hr Min
 1981: 65 : 15 : 31
 LAT 27 54.80N
 LON 93 35.15W



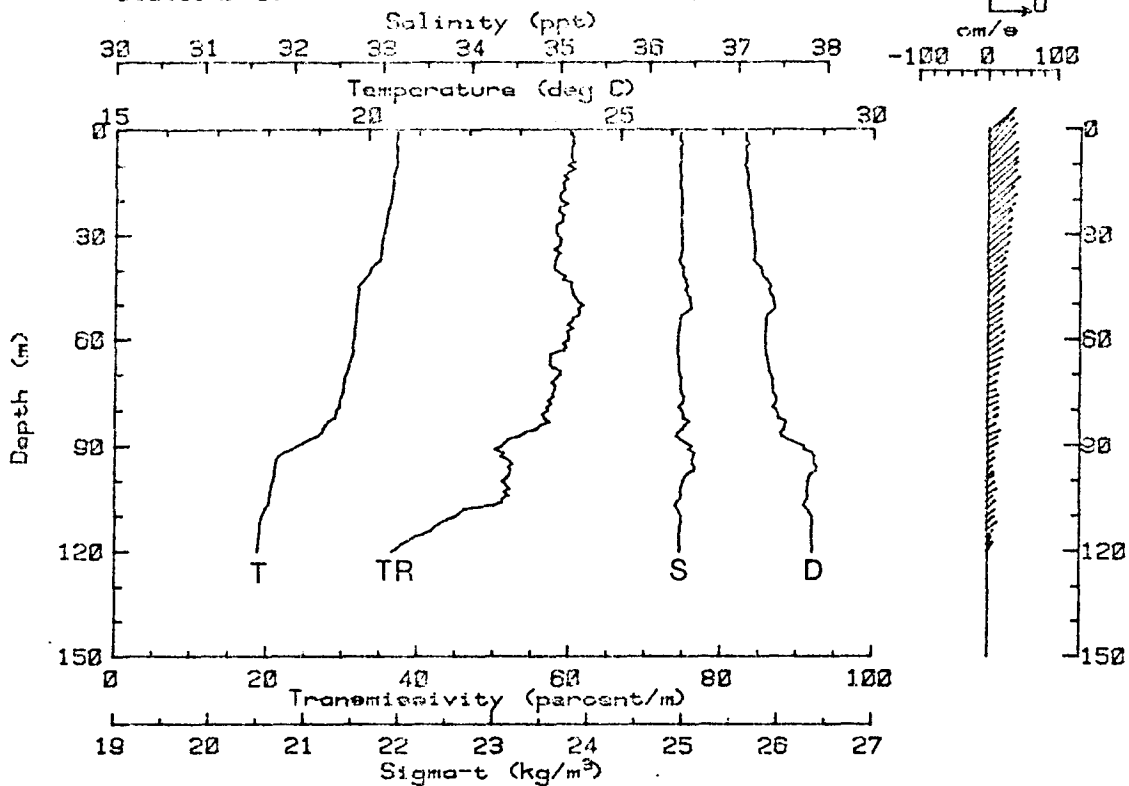
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 Ship: GYRE
 Station: 8S

Year Day Hr Min
 1981: 65 : 16 : 15
 LAT 27 53.59N
 LON 93 35.37W



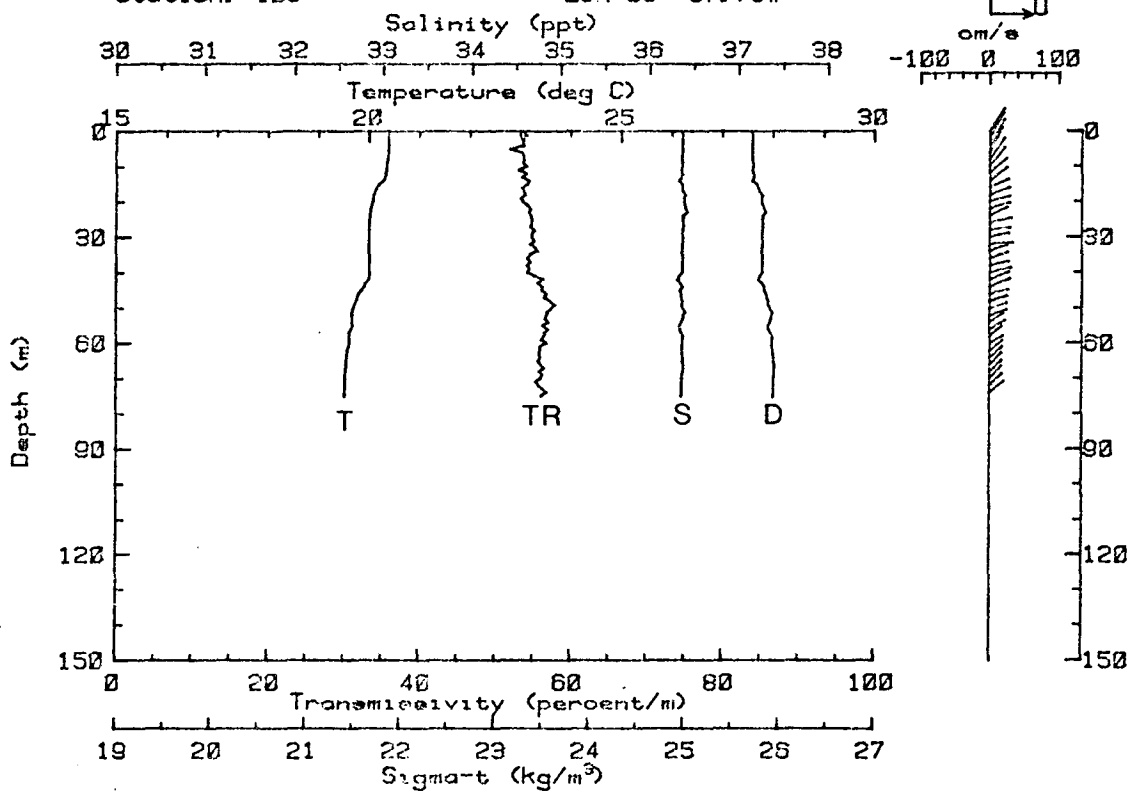
Cruiser 81-G-3
 Ship: GYRE
 Station: 9S

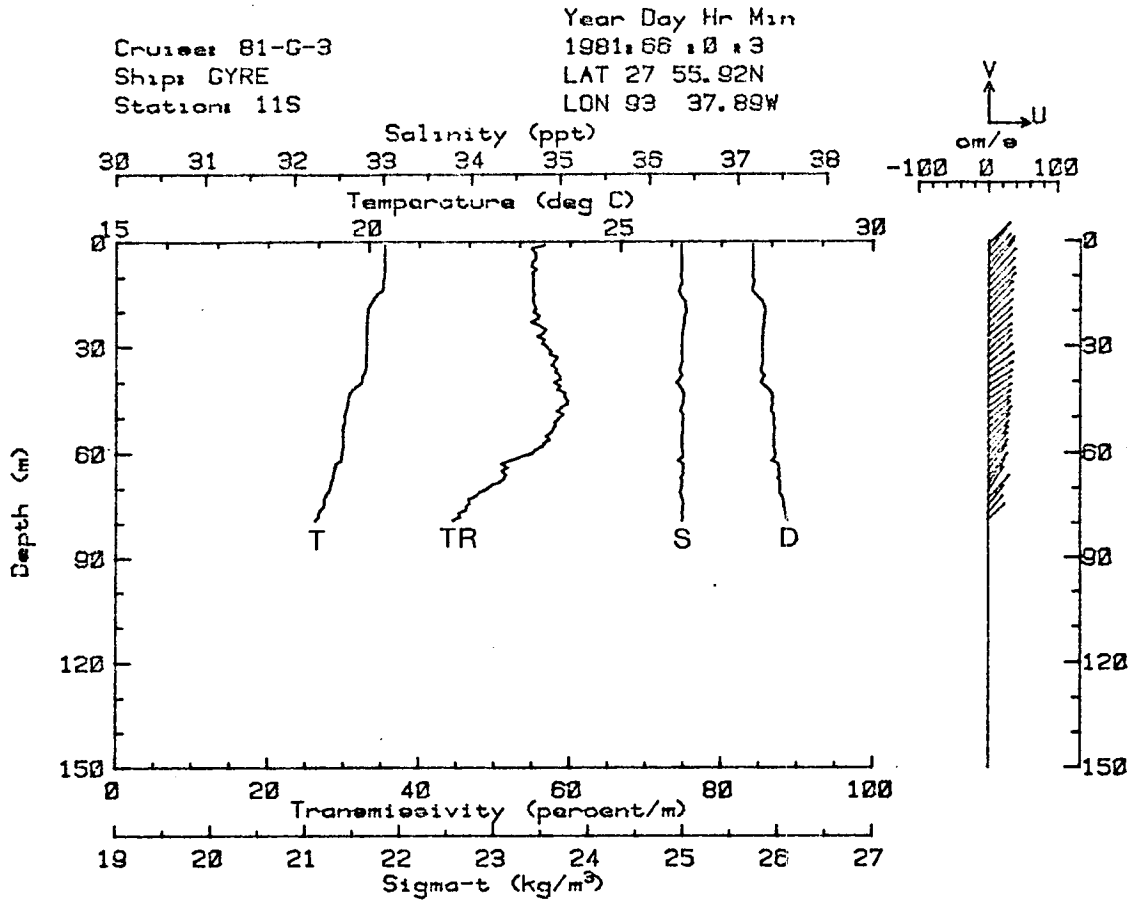
Year Day Hr Min
 1981: 65 : 17: 42
 LAT 27 52.02N
 LON 93 35.48W



Cruiser 81-G-3
 Ship: GYRE
 Station: 10S

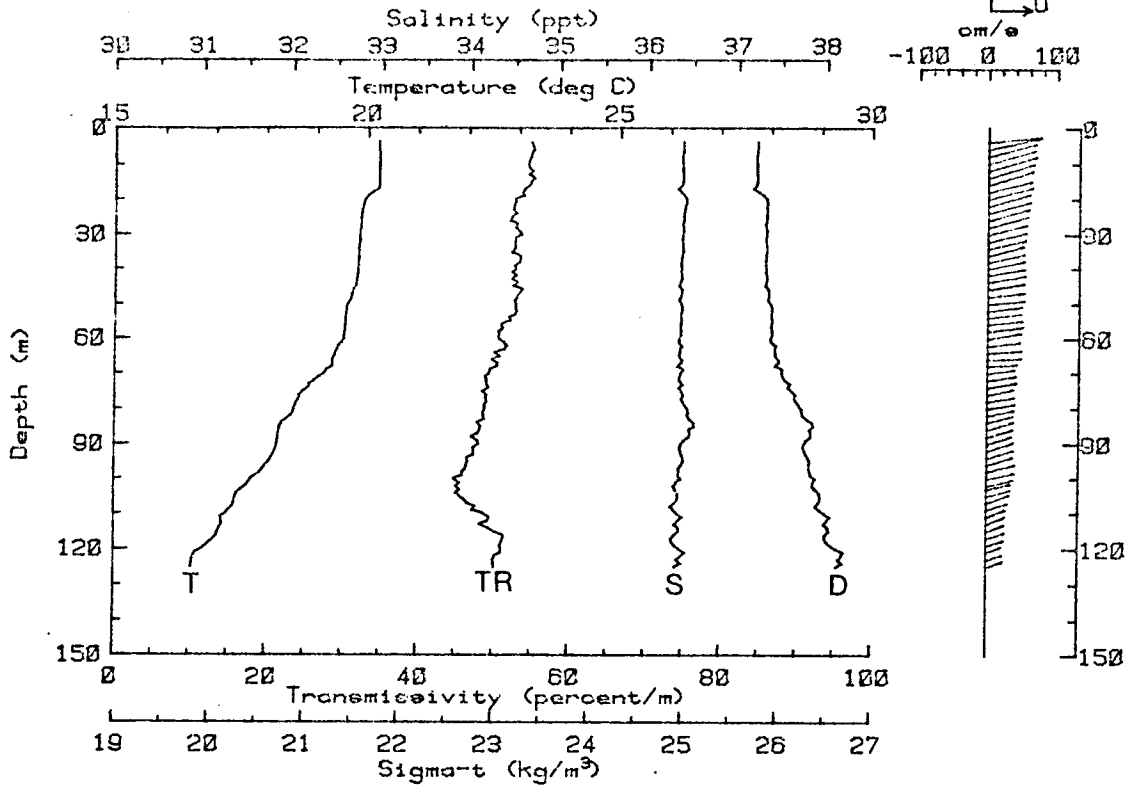
Year Day Hr Min
 1981: 65 : 23: 24
 LAT 27 54.75N
 LON 93 37.76W





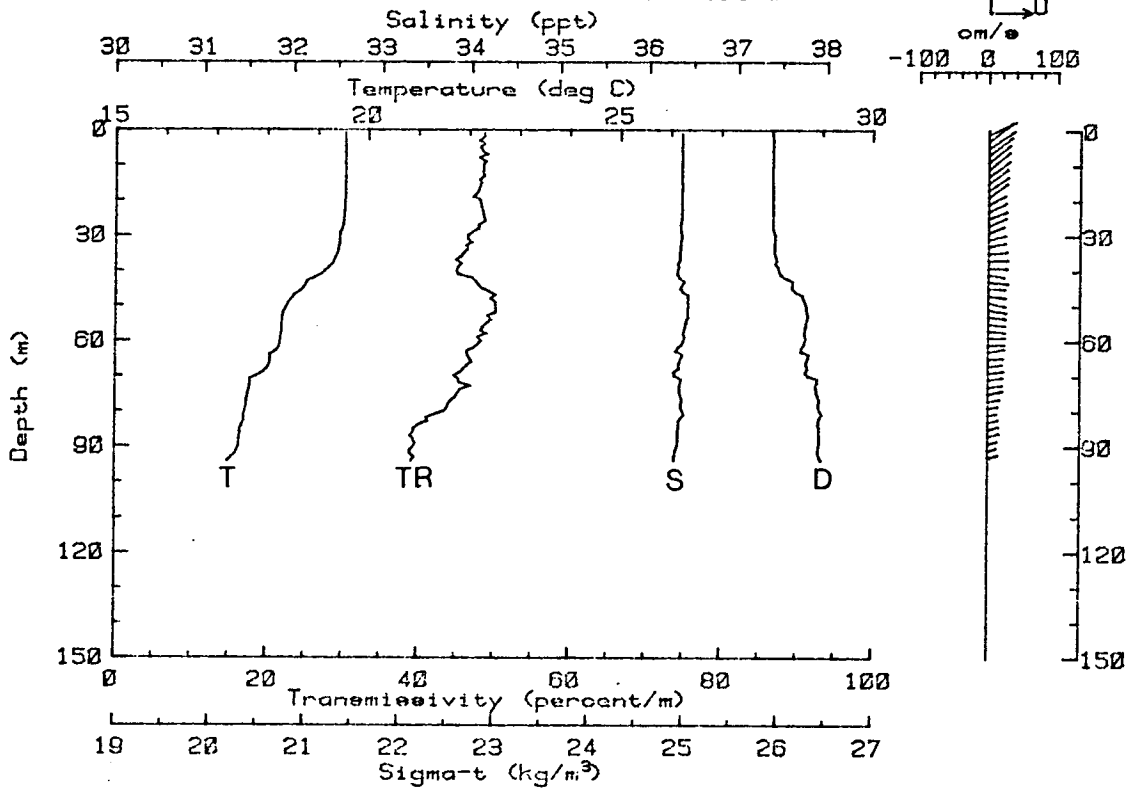
Cruise: 81-G-3
 Ship: GYRE
 Station: 1W

Year Day Hr Min
 1981: 66 : 5 : 58
 LAT 27 50.23N
 LON 93 45.88W



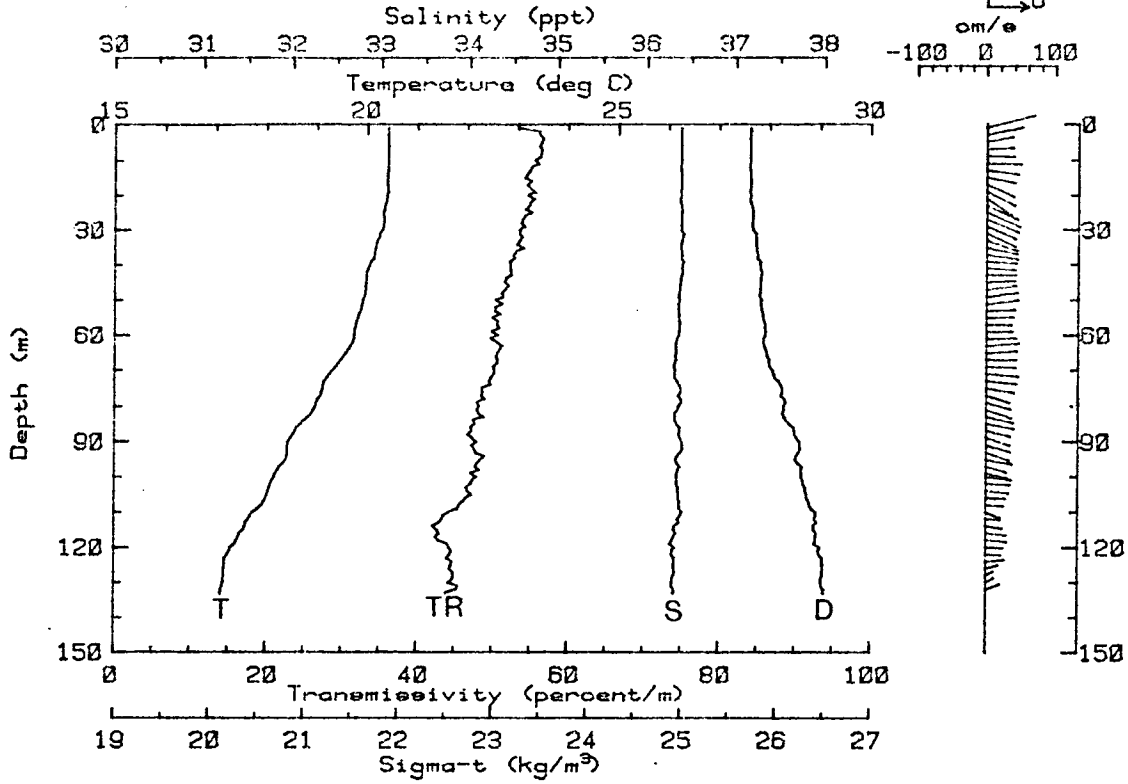
Cruise: 81-G-3
 Ship: GYRE
 Station: 2W

Year Day Hr Min
 1981: 66 : 3 : 15
 LAT 27 54.56N
 LON 93 46.87W



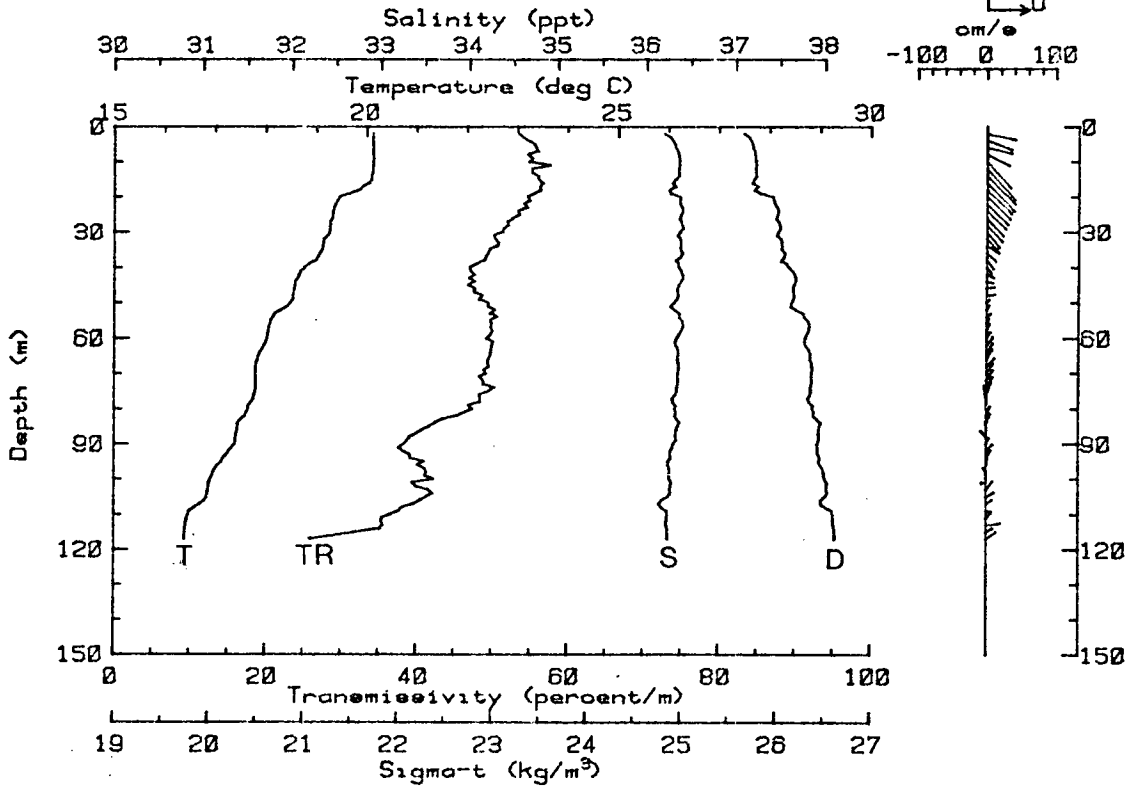
Cruise: 81-G-3
 Ship: GYRE
 Station: 3W

Year Day Hr Min
 1981: 66 : 12: 20
 LAT 27 49.20N
 LON 93 52.85W



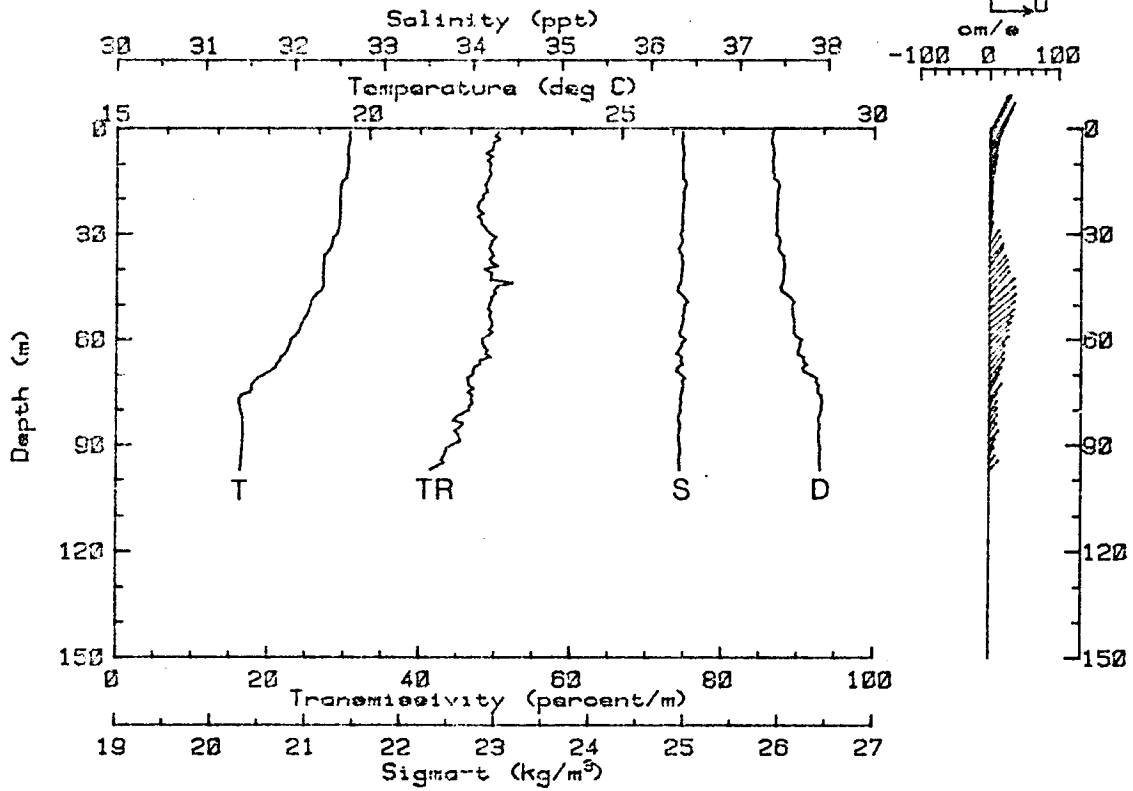
Cruise: 81-G-3
 Ship: GYRE
 Station: 4W

Year Day Hr Min
 1981: 66 : 12: 26
 LAT 27 53.78N
 LON 93 52.32W



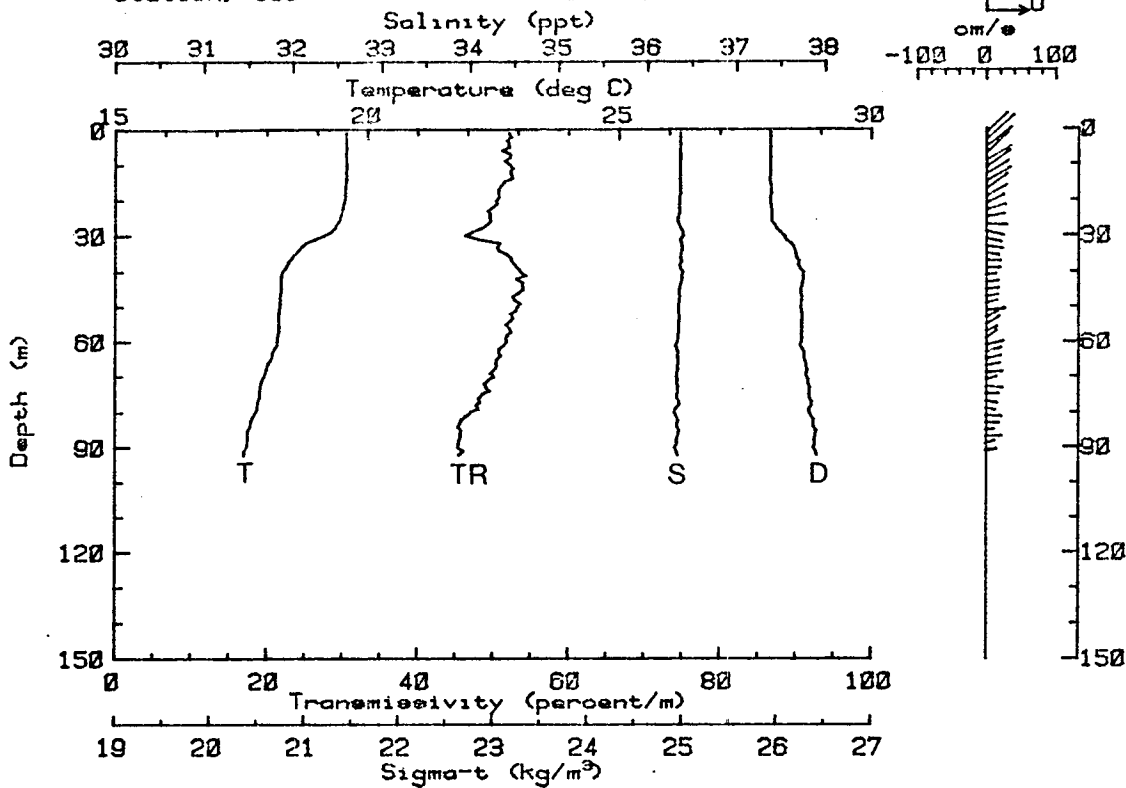
Cruise: 81-G-3
 Ship: GYRE
 Station: 12S

Year Day Hr Min
 1981: 66 : 2 : 14
 LAT 27 54.80N
 LON 93 44.33W



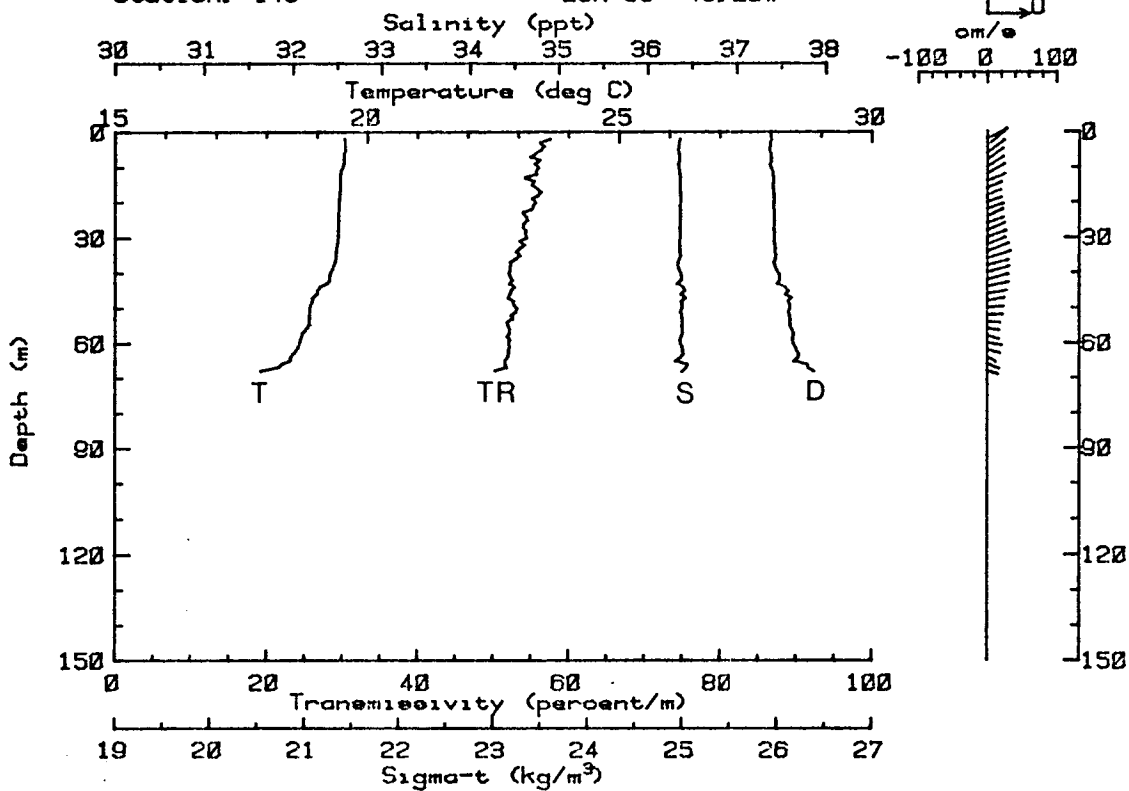
Cruise: 81-G-3
 Ship: GYRE
 Station: 13S

Year Day Hr Min
 1981:66 : 4 : 10
 LAT 27 53.30N
 LON 93 48.78W



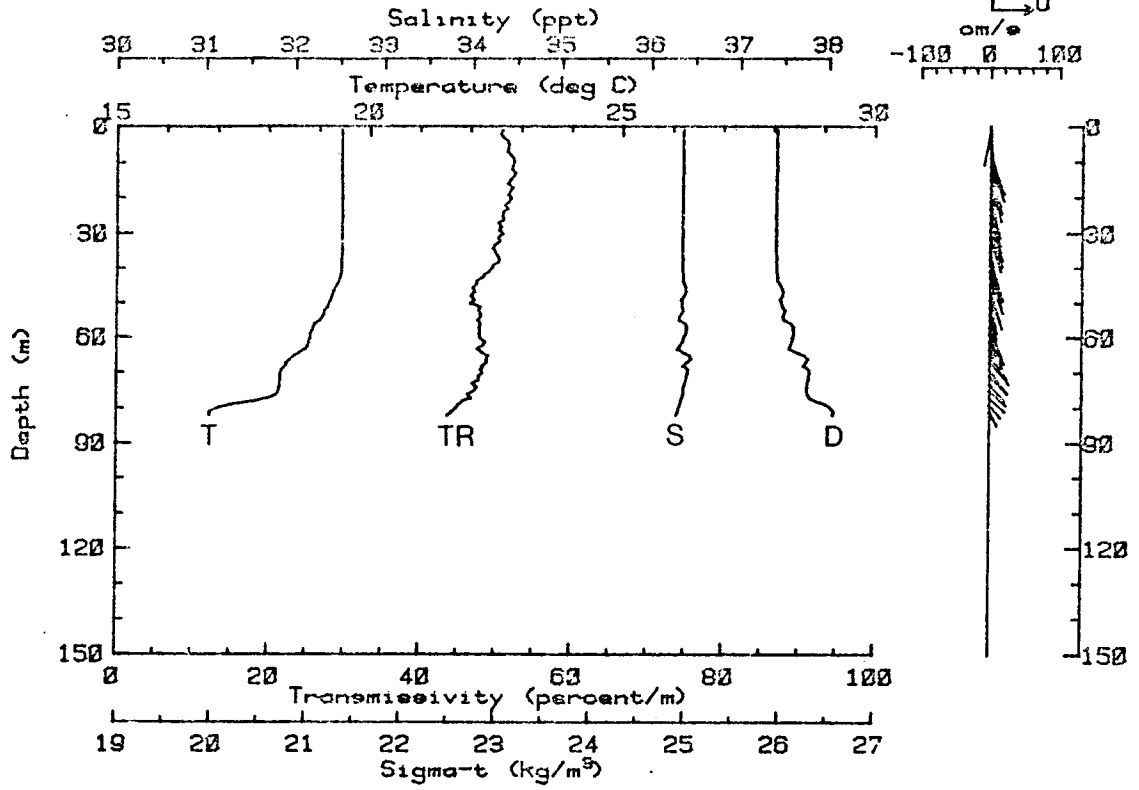
Cruise: 81-G-3
 Ship: GYRE
 Station: 14S

Year Day Hr Min
 1981:66 : 5 : 7
 LAT 27 52.75N
 LON 93 48.20W



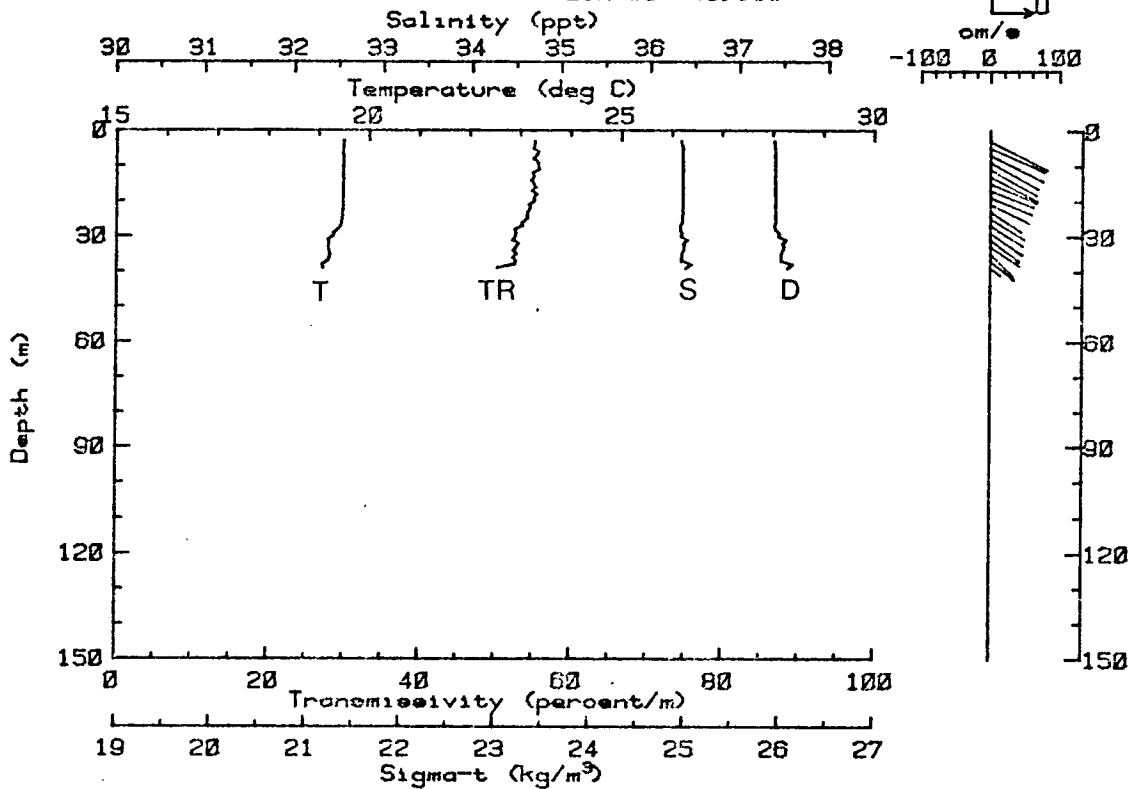
Cruise: 81-G-3
 Ship: GYRE
 Station: 155

Year Day Hr Min
 1981: 66 : 7 : 24
 LAT 27 51.65N
 LON 93 48.45W



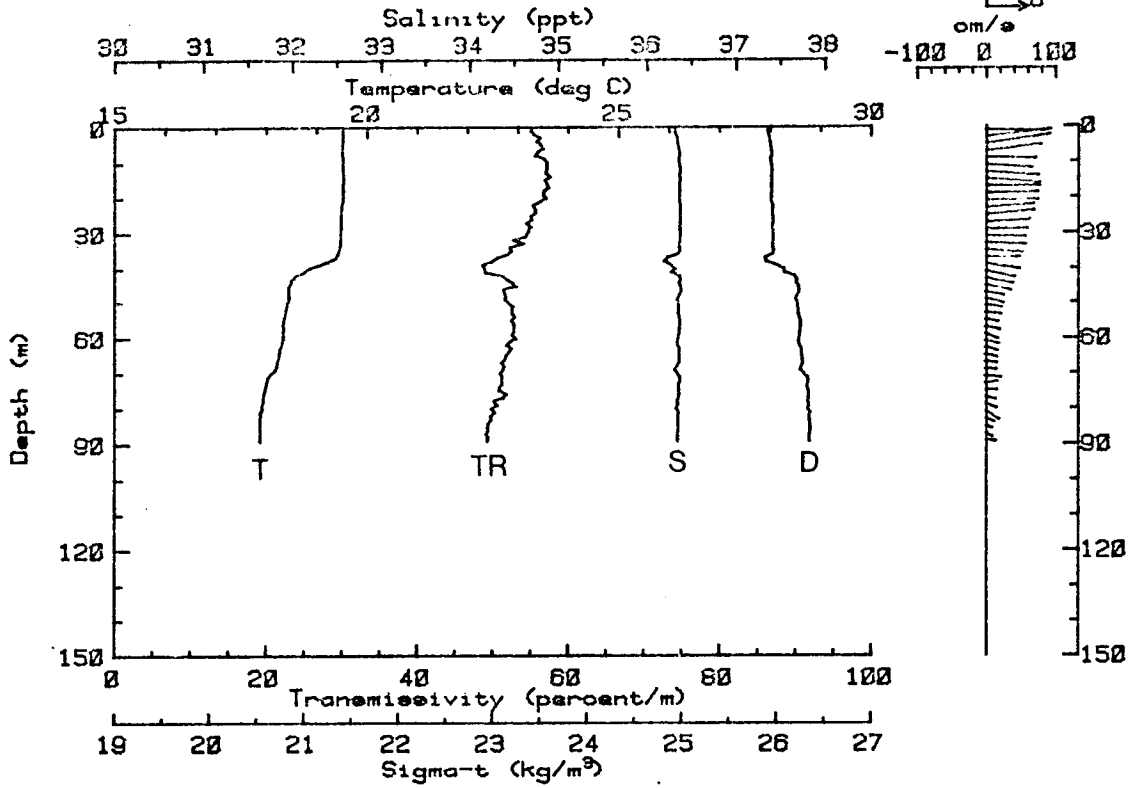
Cruise: 81-G-3
 Ship: GYRE
 Station: 165

Year Day Hr Min
 1981: 66 : 8 : 28
 LAT 27 52.25N
 LON 93 49.38W



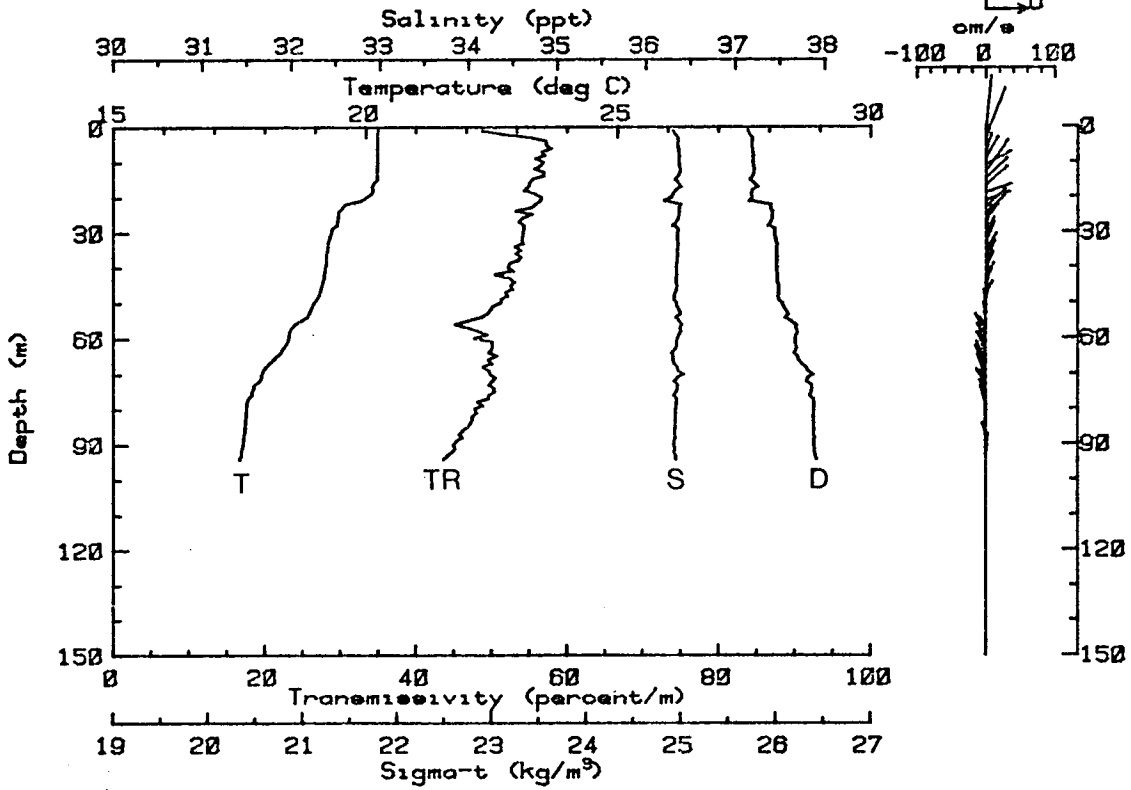
Cruise: 81-G-3
Ship: GYRE
Station: 17S

Year Day Hr Min
1981: 06 : 9 : 10
LAT 27 52.20N
LON 93 52.10W



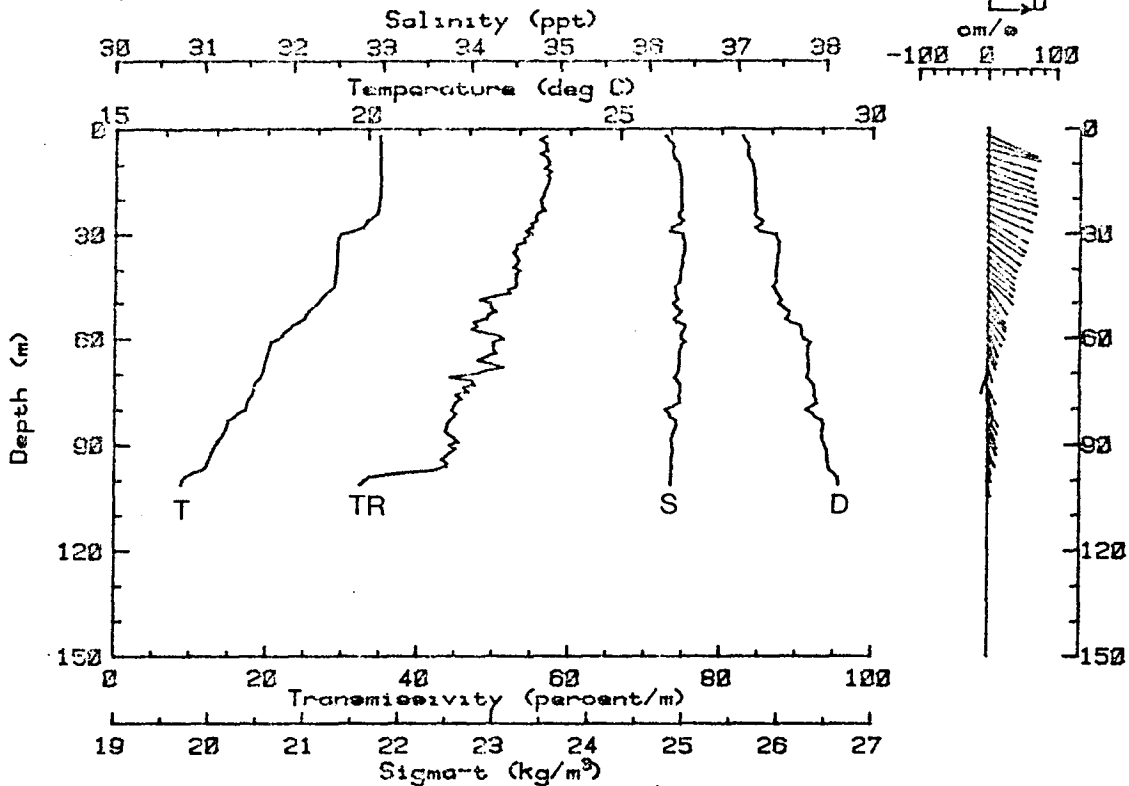
Cruise: 81-G-3
Ship: GYRE
Station: 18S

Year Day Hr Min
1981: 06 : 11 : 10
LAT 27 52.45N
LON 93 52.31W



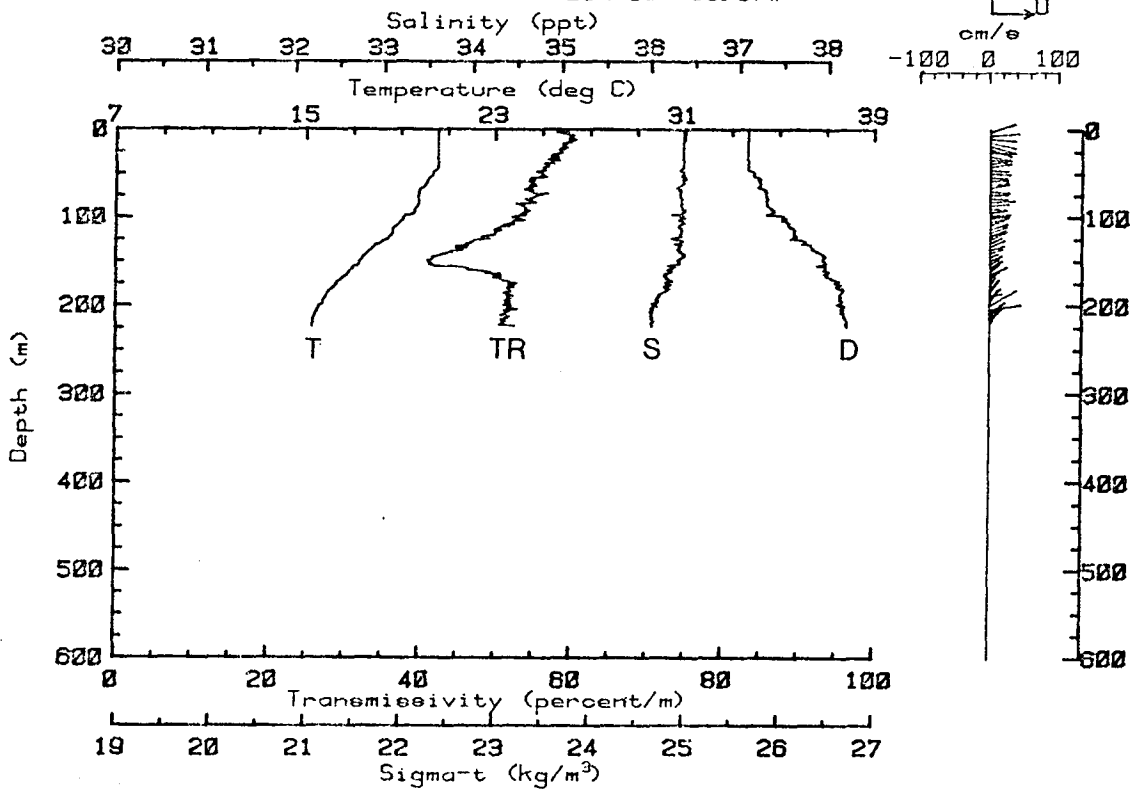
Cruise: 81-G-3
 Ship: GYRE
 Station: 19S

Year Day Hr Min
 1981: 66 : 13 : 16
 LAT 27 54.03N
 LON 93 55.99W



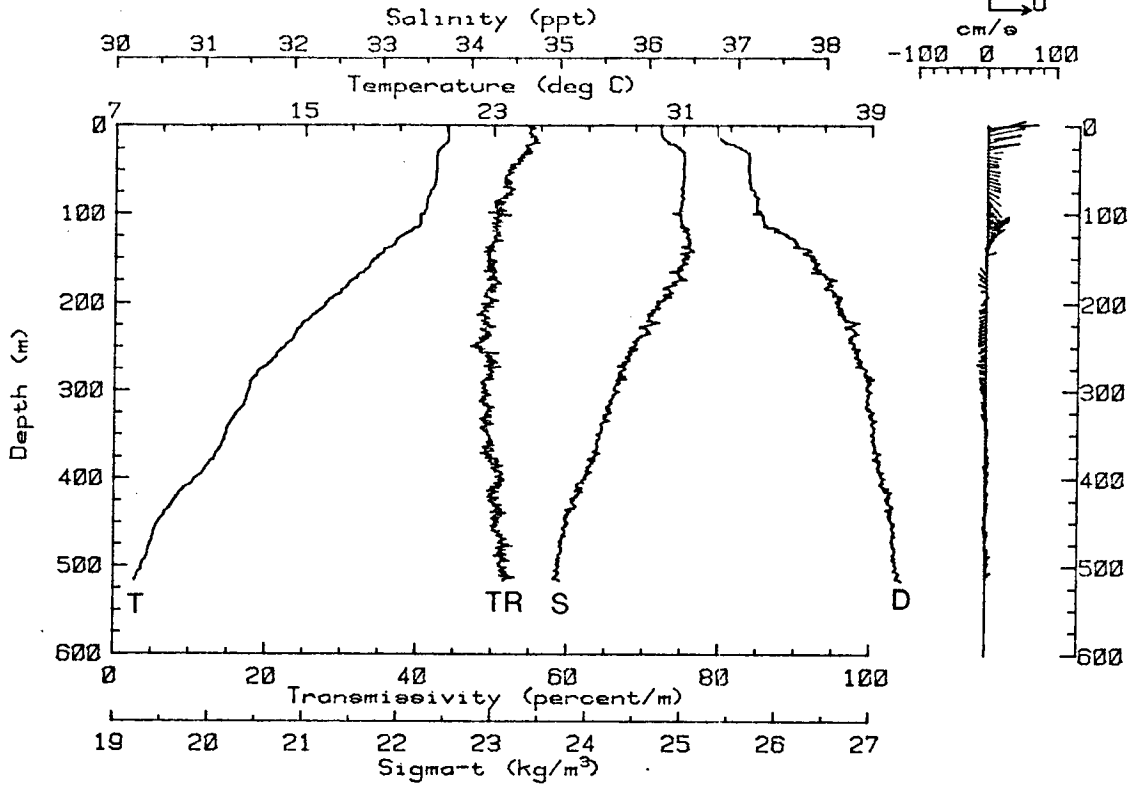
Cruise: 81-G-3
 Ship: GYRE
 Station: 20S

Year Day Hr Min
 1981: 66 : 14 : 34
 LAT 27 46.95N
 LON 93 55.67W



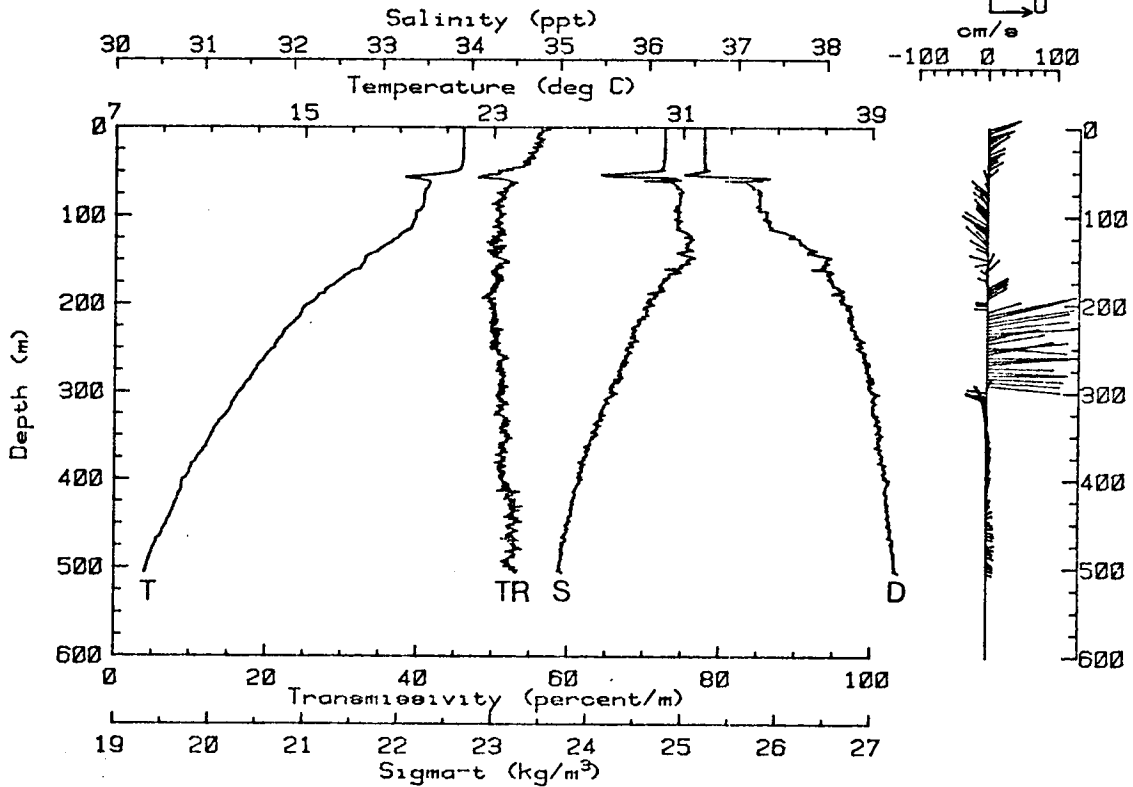
Cruiser: 81-G-3
 Ship: GYRE
 Station: 21S

Year Day Hr Min
 1981: 66 : 16 : 49
 LAT 27 36.87N
 LON 93 55.64W



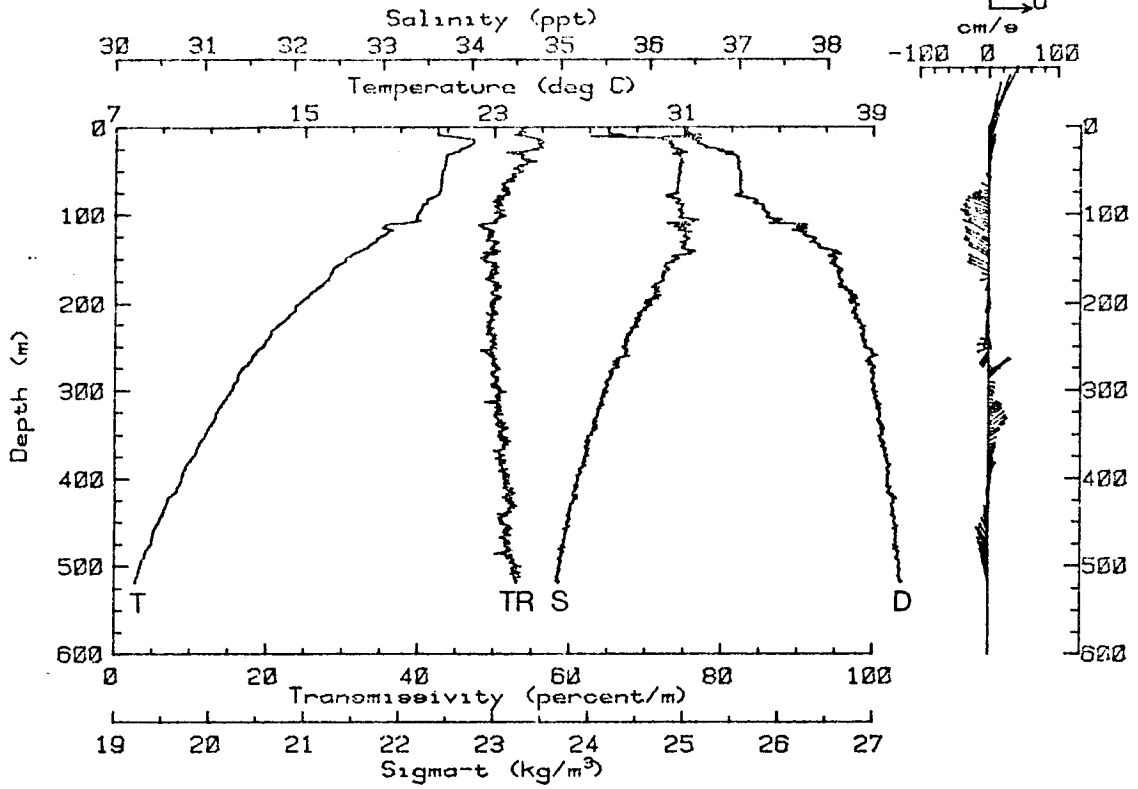
Cruiser: 81-G-3
 Ship: GYRE
 Station: 22S

Year Day Hr Min
 1981: 66 : 19 : 44
 LAT 27 27.19N
 LON 93 55.63W



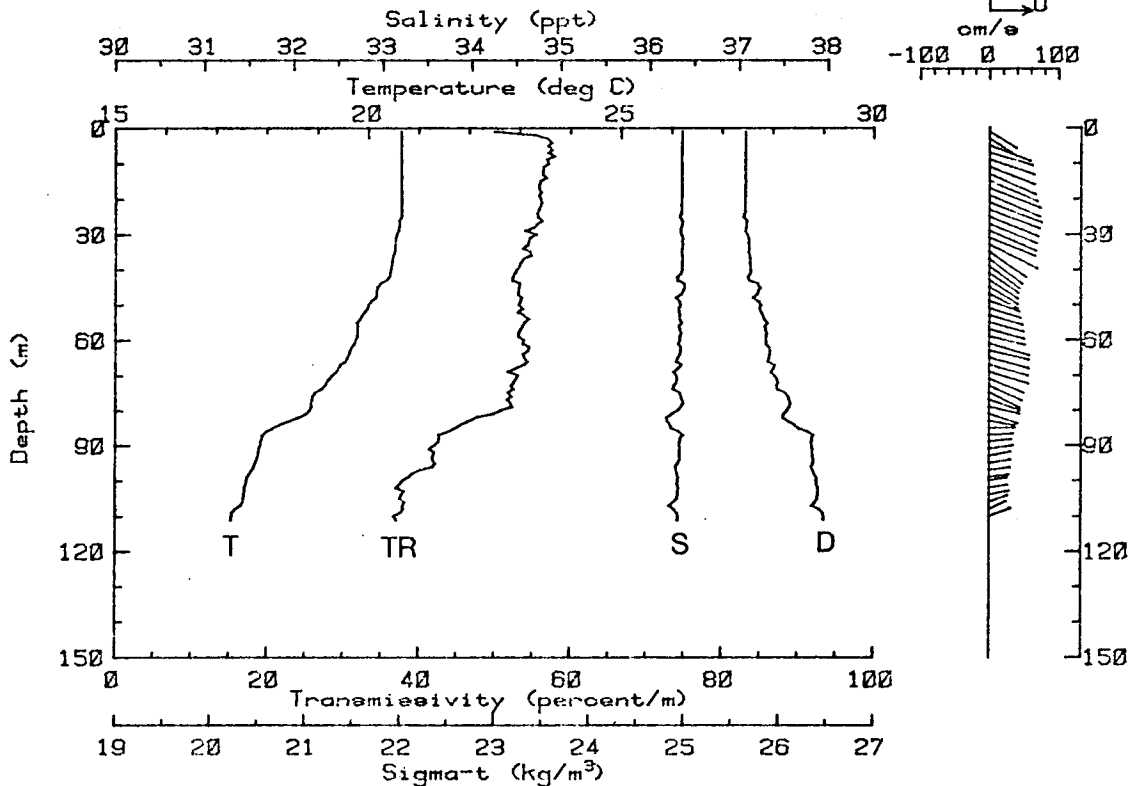
Cruise: 81-G-3
 Ship: GYRE
 Station: 235

Year Day Hr Min
 1981: 66 : 22 : 34
 LAT 27 17.15N
 LON 93 55.90W



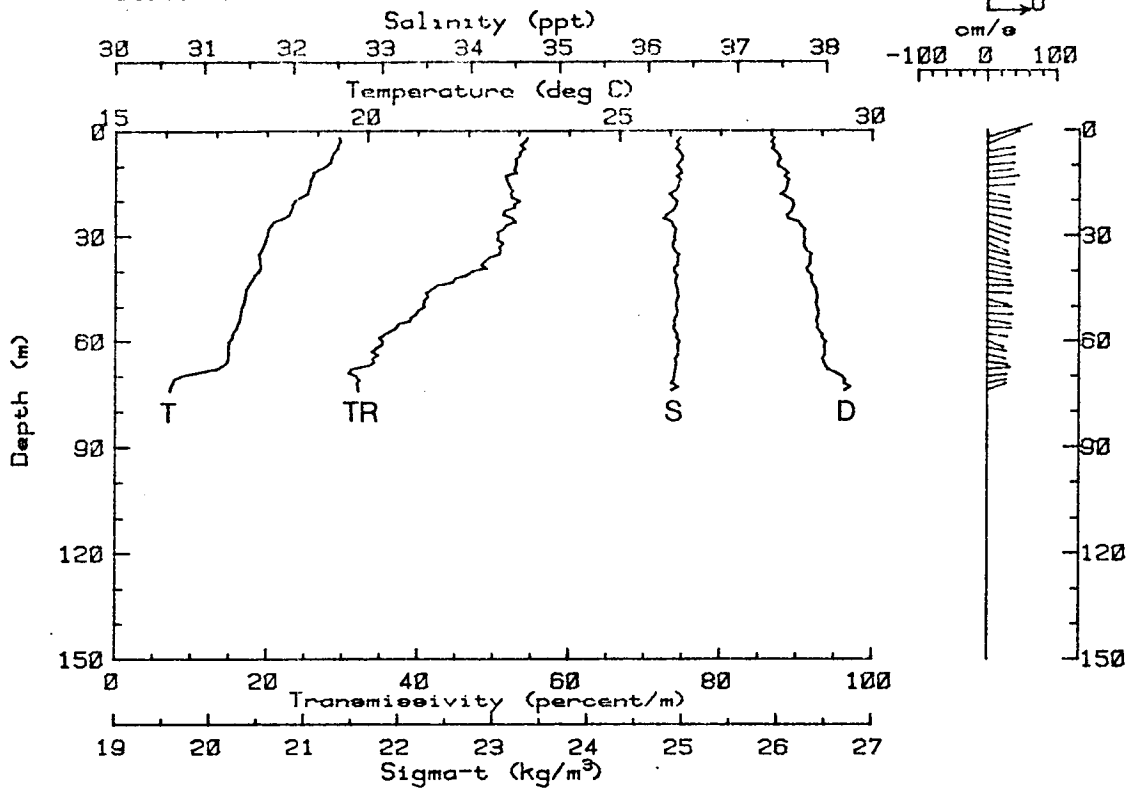
Cruise: 81-G-3
 Ship: GYRE
 Station: 245

Year Day Hr Min
 1981: 67 : 5 : 0
 LAT 27 51.86N
 LON 94 3.86 W



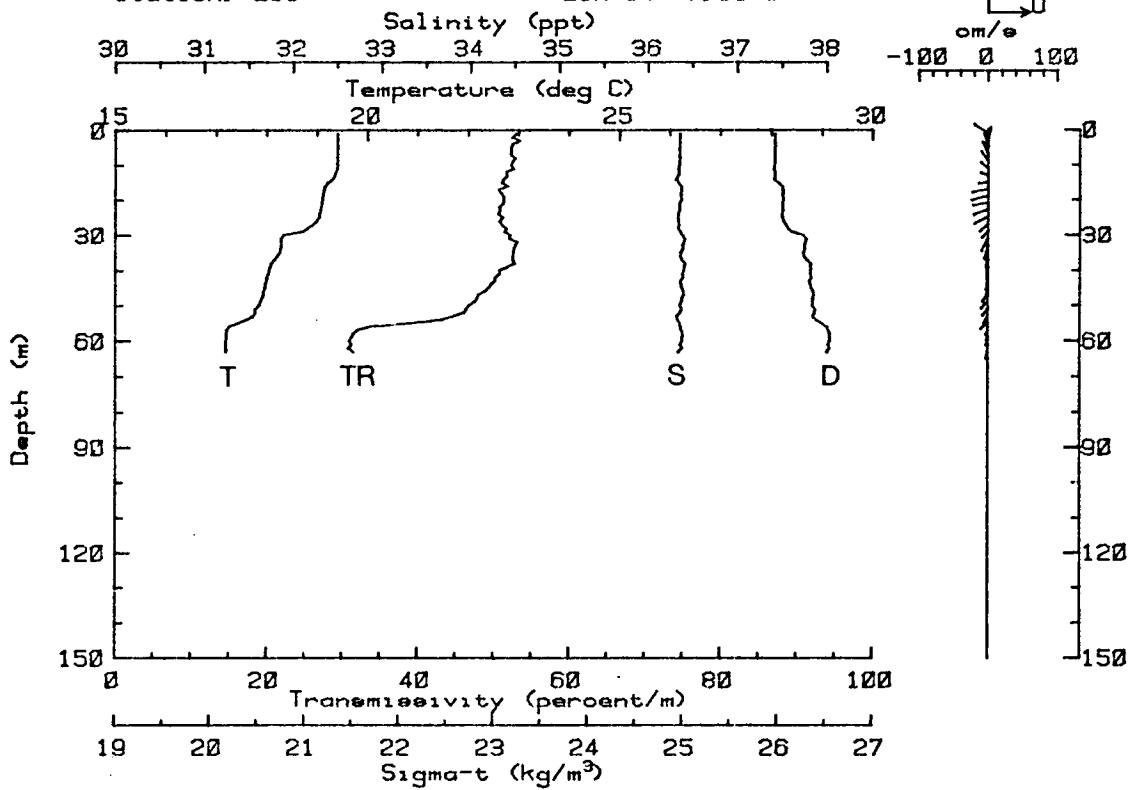
Cruises: 81-G-3
 Ship: GYRE
 Stations: 25S

Year Day Hr Min
 1981: 67 : 6 : 40
 LAT 27 58.51N
 LON 94 5.16 W



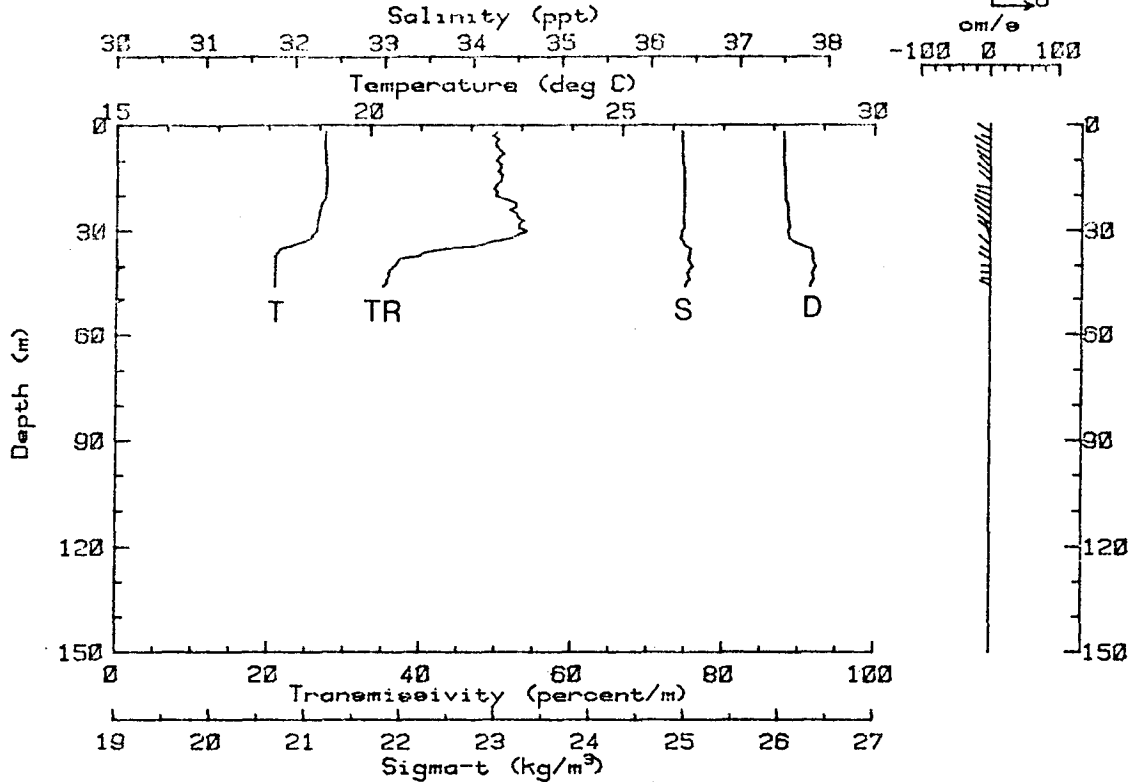
Cruises: 81-G-3
 Ship: GYRE
 Stations: 26S

Year Day Hr Min
 1981: 67 : 8 : 35
 LAT 28 4.54 N
 LON 94 7.61 W



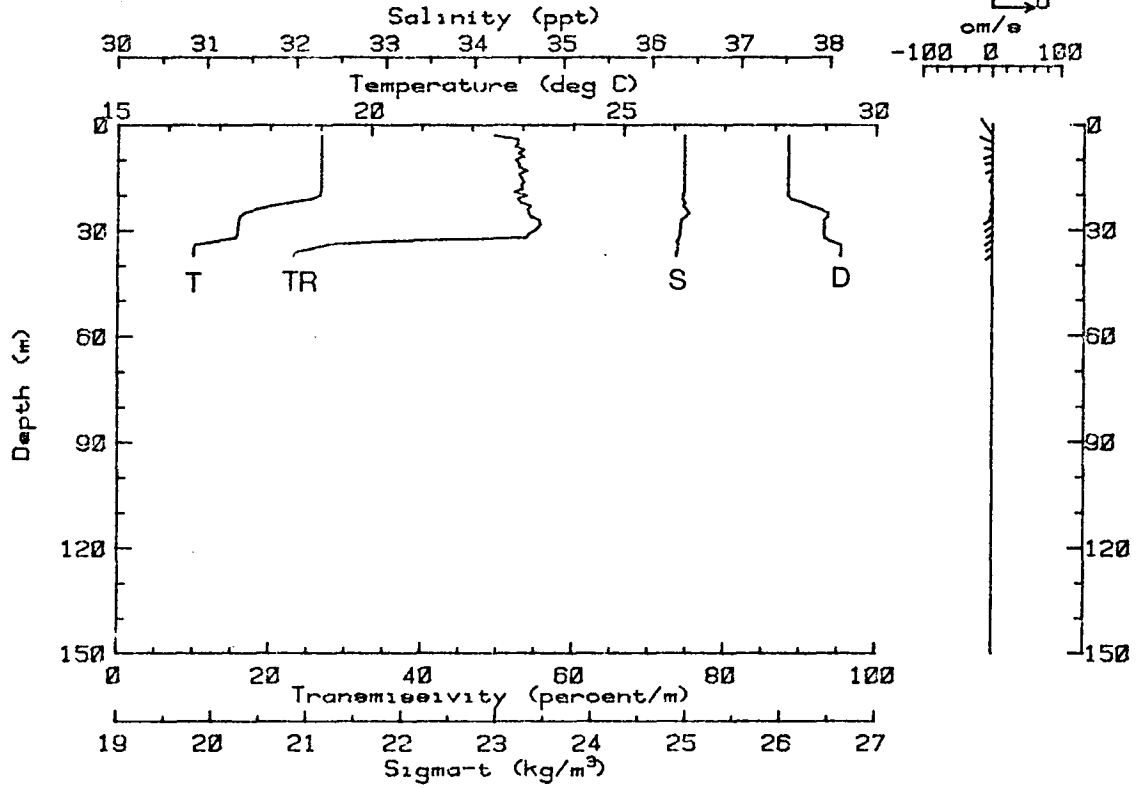
Cruise: 81-G-3
 Ship: GYRE
 Station: 27S

Year Day Hr Min
 1981: 67 : 11: 11
 LAT 28 17.22N
 LON 94 11.05W



Cruise: 81-G-3
 Ship: GYRE
 Station: 28S

Year Day Hr Min
 1981: 67 : 13: 21
 LAT 28 28.65N
 LON 94 14.32W



Station: 1F
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 54.50 N
 Longitude 93 32.99 W
 Time: Year Day Hour Minute
 1981 65 10 19

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.501	36.370	25.690	57.2	-3.6	-7.3	11.2	130.0
2.0	20.502	36.370	25.690	56.8	-3.7	-7.3	4.4	302.2
3.0	20.501	36.370	25.690	57.1	1.1	-7.9	8.0	172.0
4.0	20.503	36.369	25.689	57.6	3.3	-2.9	3.9	175.8
5.0	20.504	36.367	25.687	57.3	1.1	-1.0	1.6	129.7
6.0	20.501	36.368	25.689	57.3	-1.3	1.6	2.1	321.8
7.0	20.500	36.368	25.689	57.5	-1.2	1.1	2.0	275.2
8.0	20.493	36.372	25.694	57.5	-1.5	1.3	2.2	273.2
9.0	20.495	36.370	25.692	57.2	-1.7	1.1	4.7	270.7
10.0	20.498	36.369	25.690	56.9	-3.8	1.1	3.9	267.0
11.0	20.499	36.368	25.689	57.1	-1.5	1.1	5.5	262.1
12.0	20.502	36.368	25.689	58.1	-1.4	1.4	4.7	265.0
13.0	20.504	36.369	25.689	57.9	-1.3	1.3	3.9	258.7
14.0	20.506	36.366	25.685	57.4	-1.3	1.3	3.9	262.4
15.0	20.504	36.370	25.689	57.5	-1.1	1.1	3.3	269.0
16.0	20.506	36.369	25.688	56.8	-3.8	1.6	4.1	292.5
17.0	20.503	36.367	25.688	56.7	-1.6	1.4	1.6	283.5
18.0	20.500	36.367	25.688	55.9	-2.9	1.4	4.2	299.6
19.0	20.499	36.368	25.689	56.5	-1.4	1.3	4.6	286.9
20.0	20.502	36.365	25.686	56.2	-1.5	1.3	3.9	252.2
21.0	20.500	36.367	25.688	56.5	-1.5	1.3	3.9	263.9
22.0	20.500	36.368	25.689	56.6	-1.4	1.3	7.7	241.1
23.0	20.501	36.367	25.688	57.2	-1.7	1.4	10.6	234.2
24.0	20.501	36.367	25.688	56.3	-1.5	1.2	10.5	209.8
25.0	20.502	36.366	25.687	56.1	-1.5	1.7	12.1	207.6
26.0	20.501	36.368	25.688	56.2	-1.7	1.6	14.1	213.1
27.0	20.503	36.366	25.686	55.7	-1.6	1.3	15.4	206.3
28.0	20.504	36.365	25.686	56.6	-1.3	1.1	14.8	207.6
29.0	20.505	36.364	25.684	56.5	-1.4	1.6	15.9	203.6
30.0	20.504	36.366	25.686	56.5	-1.4	1.5	14.7	190.2
31.0	20.504	36.367	25.687	56.3	-1.6	1.5	12.2	187.8
32.0	20.505	36.366	25.686	55.8	-1.9	1.4	13.6	187.9
33.0	20.507	36.366	25.685	56.2	-1.3	1.7	13.7	179.9
34.0	20.508	36.366	25.685	56.2	-1.3	1.7	13.7	192.9
35.0	20.507	36.366	25.685	55.9	-1.2	1.4	12.7	193.3
36.0	20.506	36.367	25.687	55.6	-1.6	1.6	12.8	210.8
37.0	20.506	36.366	25.685	55.2	-1.5	1.4	12.8	205.0
38.0	20.504	36.367	25.687	55.2	-1.2	1.6	12.7	205.5
39.0	20.506	36.366	25.686	55.4	-1.5	1.9	11.9	204.6
40.0	20.506	36.367	25.687	55.4	-1.5	1.2	10.9	200.2
41.0	20.507	36.362	25.682	55.5	-1.3	1.3	8.8	199.7
42.0	20.510	36.367	25.682	55.6	-1.9	1.7	9.7	206.4
43.0	20.495	36.327	25.659	55.0	-1.7	1.0	6.2	195.9
44.0	20.448	36.352	25.691	55.0	1.2	1.2	5.2	176.2
45.0	20.450	36.344	25.684	55.0	1.1	1.8	5.0	162.8
46.0	20.430	36.354	25.697	54.2	2.2	1.1	5.9	149.4
47.0	20.425	36.346	25.693	54.5	3.3	1.4	5.9	141.6
48.0	20.414	36.339	25.690	54.9	3.5	1.3	5.9	134.6
49.0	20.388	36.344	25.701	54.7	3.0	1.2	5.0	158.8
50.0	20.357	36.330	25.699	53.8	3.0	1.0	6.0	149.9
51.0	20.315	36.343	25.720	52.8	3.5	1.9	6.9	149.9
52.0	20.278	36.357	25.740	53.6	1.2	1.7	7.7	171.0
53.0	20.260	36.349	25.739	53.5	1.5	1.8	9.9	163.8
54.0	20.240	36.333	25.732	53.6	1.6	1.9	9.9	170.8
55.0	20.206	36.333	25.741	53.4	1.1	1.0	10.3	179.3
56.0	20.157	36.367	25.780	53.0	1.2	1.0	10.0	173.4
57.0	20.127	36.375	25.794	53.2	1.0	1.1	11.0	175.0
58.0	20.112	36.356	25.784	53.6	1.8	1.1	13.1	183.6
59.0	20.086	36.353	25.788	53.4	1.8	1.5	12.5	183.7
60.0	20.022	36.335	25.791	53.8	1.0	1.7	13.8	184.2

Station: 1E
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 54.50 N
 Longitude 93 32.97 W
 Time: Year Day Hour Minute
 1981 35 10 19

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	19.924	36.326	25.810	52.8	.6	-11.9	11.9	176.9
62.0	19.782	36.320	25.844	53.4	1.8	-12.1	12.3	171.4
63.0	19.658	36.326	25.883	52.7	.8	-12.3	12.5	176.4
64.0	19.525	36.336	25.961	51.7	1.0	-13.0	13.1	175.4
65.0	19.451	36.410	25.999	51.9	1.1	-15.0	15.0	179.8
66.0	19.373	36.325	25.954	51.6	1.6	-14.3	14.4	173.7
67.0	19.192	36.289	25.974	51.3	1.8	-14.2	14.3	172.9
68.0	19.288	36.362	26.032	50.5	2.9	-11.8	12.2	166.0
69.0	19.798	36.398	26.158	50.5	3.2	-11.6	12.0	164.6
70.0	19.663	36.400	26.194	50.7	2.5	-12.9	13.1	168.9
71.0	19.598	36.432	26.236	50.5	3.2	-12.3	12.7	165.5
72.0	19.534	36.434	26.233	51.4	3.3	-12.7	13.1	165.6
73.0	19.577	36.392	26.210	50.8	3.4	-12.0	11.5	152.2
74.0	19.574	36.378	26.200	51.0	3.9	-8.2	9.9	143.3
75.0	19.568	36.373	26.198	50.1	5.7	-9.9	10.5	147.4
76.0	19.566	36.367	26.194	49.8	3.9	-9.9	10.7	158.6
77.0	19.563	36.369	26.196	49.7	4.9	-9.0	9.1	151.3
78.0	19.561	36.365	26.193	49.8	4.2	-7.4	8.5	150.6
79.0	19.554	36.363	26.194	49.3	3.9	-7.0	8.0	151.1
80.0	19.548	36.360	26.193	49.5	3.6	-6.1	7.1	149.8
81.0	19.539	36.360	26.195	47.6	4.5	-5.0	6.7	138.0
82.0	19.526	36.367	26.204	48.1	3.2	-5.7	6.5	150.8
83.0	19.516	36.372	26.210	49.1	2.4	-4.8	5.3	153.1
84.0	19.517	36.370	26.208	49.2	3.3	-3.5	4.3	136.9
85.0	19.518	36.364	26.204	48.9	3.6	-2.5	4.3	125.1
86.0	19.518	36.364	26.204	48.7	3.2	-1.1	5.2	90.7
87.0	19.517	36.368	26.207	48.6	5.0	.3	5.0	60.7
88.0	19.519	36.366	26.205	48.0	5.4	3.5	5.4	34.9
89.0	19.520	36.370	26.207	48.9	6.0	15.9	16.2	10.8
90.0	19.524	36.370	26.206	48.1	6.5	3.0	7.2	65.1
91.0	19.525	36.368	26.205	48.3	7.9	3.6	8.6	65.6
92.0	19.527	36.367	26.204	47.9	7.2	1.2	7.3	60.8
93.0	19.514	36.353	26.196	47.8	8.1	2.9	8.6	70.4
94.0	19.502	36.284	26.147	48.1	8.7	2.6	9.1	73.4
95.0	19.405	36.313	26.193	48.1	9.0	2.3	9.9	75.5
96.0	19.344	36.340	26.230	47.8	9.4	1.0	9.5	83.7
97.0	19.309	36.330	26.230	46.1	10.1	1.1	10.1	83.6
98.0	19.248	36.323	26.240	45.5	10.6	2.7	11.0	75.8
99.0	19.178	36.321	26.256	45.2	7.3	2.0	7.6	75.1
100.0	19.106	36.332	26.233	45.1	3.4	3.9	9.2	64.3
101.0	19.065	36.338	26.298	43.9	3.1	2.1	8.3	75.5
102.0	19.010	36.356	26.325	41.0	3.4	2.5	8.8	73.7
103.0	17.935	36.345	26.320	39.0	10.3	4.2	11.1	67.8
104.0	17.976	36.340	26.321	37.0	13.0	7.7	13.5	66.9
105.0	17.965	36.334	26.319	37.3	8.3	1.8	8.5	77.9
106.0	17.952	36.342	26.329	35.5	17.6	1.8	17.7	84.1
107.0	17.947	36.342	26.330	34.7	7.8	.1	7.8	89.2
108.0	17.945	36.341	26.330	34.6	9.9	.1	9.9	89.3
109.0	17.945	36.341	26.329	34.6	8.7	-1.6	8.8	100.2
110.0	17.945	36.338	26.327	35.2	10.1	2.4	10.4	76.9
111.0	17.943	36.319	26.313	35.0	11.9	1.8	12.1	81.5
112.0	17.934	36.316	26.313	34.4	9.1	1.1	9.1	82.9
113.0	17.857	36.312	26.329	31.7	10.2	-.2	10.2	91.0
114.0	17.786	36.309	26.344	31.3	10.6	.2	10.6	89.0
115.0	17.679	36.306	26.368	31.6	10.6	-.6	10.6	93.4
116.0	17.444	36.304	26.424	34.1	10.0	-1.3	10.1	100.4
117.0	17.040	36.292	26.513	40.3	7.8	-3.8	8.6	116.0

Station: 25
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 57.79 N
 Longitude 93 33.67 W
 Time: Year Day Hour Minute
 1981 65 3 57

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	20.473	36.360	25.690	56.7	13.4	1.5	13.5	83.7
3.0	20.474	36.360	25.690	56.8	21.2	8.7	23.0	67.7
4.0	20.475	36.360	25.689	56.2	17.9	.3	17.9	89.1
5.0	20.476	36.358	25.688	55.8	12.4	-5.3	13.6	114.9
6.0	20.475	36.359	25.689	56.0	20.3	-5.3	20.9	104.5
7.0	20.475	36.360	25.689	55.7	14.2	-7.1	15.9	116.6
8.0	20.473	36.361	25.691	56.0	12.8	-7.5	14.9	120.4
9.0	20.473	36.360	25.690	56.7	12.4	-8.5	15.1	124.6
10.0	20.472	36.361	25.691	56.2	10.5	-11.3	15.4	137.2
11.0	20.471	36.362	25.692	56.4	10.6	-12.2	16.2	139.1
12.0	20.471	36.360	25.691	56.2	8.7	-13.3	15.9	146.8
13.0	20.469	36.362	25.692	56.1	10.1	-13.7	17.0	143.7
14.0	20.468	36.362	25.693	55.4	7.4	-13.0	15.0	150.4
15.0	20.464	36.364	25.696	55.3	6.9	-13.4	15.1	152.8
16.0	20.466	36.363	25.694	54.5	8.1	-15.4	17.4	152.2
17.0	20.467	36.362	25.693	54.4	10.2	-12.7	16.3	141.1
18.0	20.469	36.362	25.692	54.4	9.7	-12.6	15.9	142.5
19.0	20.470	36.361	25.691	54.4	9.2	-12.6	15.6	143.9
20.0	20.472	36.361	25.691	54.4	8.7	-12.5	15.2	145.3
21.0	20.474	36.360	25.690	54.4	8.1	-12.5	14.9	146.9
22.0	20.471	36.362	25.692	54.1	10.1	-14.8	17.9	145.6
23.0	20.473	36.362	25.691	54.4	8.1	-14.3	16.4	150.6
24.0	20.472	36.364	25.693	53.3	11.4	-14.1	18.1	141.1
25.0	20.474	36.361	25.691	53.2	7.6	-11.3	13.6	146.1
26.0	20.475	36.360	25.690	53.6	7.8	-11.7	14.1	146.2
27.0	20.473	36.364	25.693	54.2	10.6	-13.2	16.9	141.2
28.0	20.475	36.362	25.691	53.8	10.4	-13.5	17.0	142.3
29.0	20.474	36.362	25.691	53.8	9.6	-10.8	14.5	138.3
30.0	20.474	36.362	25.692	53.8	9.9	-11.2	14.9	138.6
31.0	20.474	36.353	25.684	53.9	10.1	-9.7	14.0	133.7
32.0	20.476	36.331	25.668	53.6	10.5	-7.1	12.7	124.2
33.0	20.419	36.359	25.704	53.4	11.0	-6.2	12.6	119.4
34.0	20.405	36.355	25.705	53.8	14.0	-8.5	16.4	121.3
35.0	20.387	36.369	25.720	53.7	12.4	-3.6	12.9	106.1
36.0	20.369	36.380	25.733	53.5	11.9	-3.6	12.5	106.8
37.0	20.393	36.323	25.682	53.0	11.0	-2.6	11.3	103.2
38.0	20.341	36.338	25.708	52.9	15.9	-2.3	16.2	99.8
39.0	20.276	36.354	25.738	52.6	17.4	-2.5	17.6	98.1
40.0	20.229	36.355	25.752	52.5	19.5	-1.6	19.5	94.6
41.0	20.198	36.301	25.719	52.8	19.5	.8	19.5	87.6
42.0	20.083	36.265	25.737	53.0	20.2	1.2	20.2	86.6
43.0	19.900	36.319	25.812	53.3	19.4	2.0	19.5	84.1
44.0	19.749	36.319	25.851	53.2	21.4	1.2	21.4	86.7
45.0	19.652	36.331	25.886	54.1	16.3	2.1	16.4	82.5
46.0	19.591	36.346	25.914	54.5	15.9	-1.4	15.9	91.4
47.0	19.510	36.370	25.953	53.4	16.9	-1.2	16.9	94.2
48.0	19.474	36.374	25.966	53.9	20.4	-1.8	20.4	92.2
49.0	19.458	36.378	25.973	53.8	20.7	.2	20.7	89.4
50.0	19.426	36.399	25.998	54.1	21.8	-1.5	21.8	93.9
51.0	19.400	36.378	25.938	53.5	24.2	-2.5	24.3	95.9
52.0	19.346	36.354	25.989	53.1	24.4	-5.5	25.0	102.8
53.0	19.289	36.356	26.000	52.8	19.7	-3.6	20.0	100.4
54.0	19.212	36.388	26.045	52.9	20.1	-4.4	20.5	102.4
55.0	19.196	36.370	26.035	52.9	20.3	-3.3	20.7	100.6
56.0	19.189	36.352	26.023	52.0	17.0	-4.4	17.5	104.5
57.0	19.166	36.364	26.038	52.7	14.4	-4.6	15.2	107.8
58.0	19.153	36.371	26.047	51.8	13.5	-4.9	14.4	109.7
59.0	19.148	36.367	26.045	52.3	14.9	-7.1	16.5	115.4
60.0	19.145	36.362	26.042	52.3	13.5	-5.3	14.5	111.5
61.0	19.141	36.357	26.039	51.1	9.0	-3.6	9.7	111.9

Station: 2E
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 57.79 N
 Longitude 93 33.67 W
 Time: Year Day Hour Minute
 1981 65 3 57

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	19.137	36.351	26.036	51.1	8.2	-3.7	9.0	114.6
63.0	19.124	36.348	26.037	50.4	8.6	-3.3	9.2	111.2
64.0	19.118	36.330	26.025	50.6	10.8	-5.3	12.1	116.3
65.0	19.089	36.335	26.036	50.2	7.3	-4.7	8.7	122.5
66.0	19.042	36.352	26.061	50.0	6.6	-3.9	7.7	120.6
67.0	18.989	36.353	26.075	50.4	8.1	-4.4	9.3	118.7
68.0	18.909	36.361	26.102	49.4	6.5	-4.4	9.6	117.1
69.0	18.853	36.328	26.091	49.1	6.4	-4.2	9.4	116.6
70.0	18.712	36.369	26.174	49.0	9.7	-3.8	10.4	111.5
71.0	18.670	36.364	26.180	48.1	5.7	-3.6	6.8	122.0
72.0	18.614	36.394	26.202	48.1	7.0	-3.4	7.8	115.7
73.0	18.599	36.391	26.204	47.9	5.9	-3.5	6.9	121.0
74.0	18.591	36.376	26.194	48.2	5.7	-3.0	6.4	118.2
75.0	18.577	36.351	26.179	48.2	6.2	-3.3	7.0	118.1
76.0	18.555	36.369	26.175	48.1	2.7	-2.1	3.4	127.6
77.0	18.529	36.331	26.176	48.3	3.3	-2.0	3.8	122.2
78.0	18.484	36.346	26.198	48.4	1.1	-1.5	1.2	113.0
79.0	18.433	36.391	26.245	48.7	6.1	-2.7	6.7	113.7
80.0	18.463	36.367	26.220	48.5	1.7	.2	1.7	84.0
81.0	18.487	36.314	26.173	47.1	-2.4	-1.6	2.5	256.6
82.0	18.400	36.355	26.226	46.1	-1.0	1.6	1.9	327.3
83.0	18.334	36.337	26.217	46.0	.1	3.1	3.1	2.1
84.0	18.339	36.266	26.174	45.4	-1.4	4.9	5.1	344.2
85.0	18.302	36.186	26.122	46.0	-3.4	2.5	4.2	306.1
86.0	18.038	36.373	26.331	42.9	-3.2	4.3	5.3	323.5
87.0	17.936	36.401	26.378	38.1	-2.0	3.4	4.0	329.0
88.0	17.895	36.386	26.377	32.5	-3.6	3.9	5.3	317.5
89.0	17.891	36.366	26.362	31.3	-2.3	5.3	6.0	332.0
90.0	17.890	36.364	26.361	30.8	-6.7	6.4	9.3	313.9
91.0	17.891	36.364	26.361	29.9	-4.9	7.4	8.9	326.5
92.0	17.890	36.365	26.361	29.9	-6.1	8.4	10.4	324.3
93.0	17.889	36.365	26.362	30.3	-7.3	11.9	14.0	326.5

Station: SE
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.08 N
 Longitude 93 38.05 W
 Time: Year Day Hour Minute
 1981 65 21 56

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.442	36.366	25.703	53.5	31.1	34.6	46.5	41.9
2.0	20.444	36.367	25.703	54.5	30.4	35.3	47.4	40.0
3.0	20.440	36.370	25.707	54.4	30.6	32.1	44.3	43.6
4.0	20.445	36.365	25.702	54.0	33.9	33.5	44.6	40.4
5.0	20.444	36.366	25.703	53.7	32.7	37.5	49.2	45.5
6.0	20.432	36.376	25.713	53.9	32.0	27.0	41.3	42.9
7.0	20.425	36.374	25.713	54.1	33.0	22.6	36.0	51.1
8.0	20.426	36.368	25.709	53.9	30.6	21.1	37.2	55.4
9.0	20.416	36.371	25.714	53.6	30.6	19.9	36.4	56.8
10.0	20.413	36.362	25.708	53.3	30.7	13.1	34.5	53.7
11.0	20.393	36.367	25.717	53.9	32.6	17.4	36.9	61.9
12.0	20.373	36.371	25.725	54.2	35.4	17.6	39.5	63.6
13.0	20.359	36.370	25.728	53.8	36.0	16.5	39.6	65.4
14.0	20.345	36.368	25.731	53.5	35.5	15.4	39.6	67.2
15.0	20.331	36.367	25.734	53.1	37.1	14.3	39.8	69.0
16.0	20.316	36.366	25.736	52.7	37.7	13.2	39.9	70.7
17.0	20.302	36.364	25.739	52.4	38.3	12.1	40.1	72.5
18.0	20.286	36.366	25.744	52.0	38.3	11.0	40.3	74.2
19.0	20.274	36.374	25.754	51.6	39.4	9.9	40.6	75.9
20.0	20.277	36.374	25.753	50.9	38.6	8.6	37.1	81.3
21.0	20.274	36.374	25.754	51.3	38.6	7.2	39.2	79.5
22.0	20.270	36.368	25.751	51.3	38.9	6.6	37.1	84.5
23.0	20.264	36.362	25.748	51.7	37.0	4.1	37.3	83.7
24.0	20.244	36.357	25.749	52.4	39.4	5.5	39.2	82.0
25.0	20.212	36.371	25.769	52.7	35.4	5.3	33.5	86.3
26.0	20.187	36.385	25.786	52.3	36.9	5.0	37.2	82.3
27.0	20.173	36.380	25.785	52.7	34.7	3.2	34.3	86.4
28.0	20.177	36.378	25.783	53.2	35.0	3.2	35.3	84.9
29.0	20.172	36.378	25.784	53.2	34.3	4.3	34.4	82.9
30.0	20.169	36.363	25.774	53.1	35.0	2.2	35.0	86.5
31.0	20.150	36.353	25.775	53.3	35.0	2.4	35.0	86.1
32.0	20.125	36.369	25.790	53.2	35.6	3.7	35.3	84.0
33.0	20.117	36.368	25.792	53.0	35.6	5.4	35.0	81.4
34.0	20.105	36.369	25.795	53.0	35.0	5.5	35.5	81.0
35.0	20.092	36.373	25.802	54.0	32.4	5.2	32.8	80.9
36.0	20.086	36.367	25.799	53.4	34.4	5.1	35.3	81.7
37.0	20.073	36.376	25.809	53.3	31.9	3.2	32.0	84.3
38.0	20.066	36.383	25.817	53.2	34.0	2.7	34.5	80.4
39.0	20.063	36.379	25.814	53.0	36.5	4.9	36.9	82.3
40.0	20.062	36.377	25.813	53.4	34.3	5.5	34.5	84.2
41.0	20.062	36.373	25.810	53.6	33.6	5.2	37.2	81.0
42.0	20.062	36.369	25.807	53.1	33.3	5.1	40.1	78.3
43.0	20.061	36.366	25.805	52.7	34.0	6.1	34.5	79.8
44.0	20.053	36.357	25.799	53.2	34.3	5.3	34.3	80.4
45.0	20.033	36.370	25.814	53.8	31.1	1.1	31.5	88.0
46.0	20.033	36.367	25.812	53.6	31.7	4.6	32.0	81.3
47.0	20.019	36.374	25.822	53.9	33.9	-1.4	33.9	92.3
48.0	20.012	36.377	25.826	53.2	33.2	1.1	33.3	89.3
49.0	20.003	36.366	25.819	53.1	35.2	-1.5	35.3	89.9
50.0	20.002	36.357	25.814	53.3	33.2	-2.0	32.2	90.5
51.0	19.988	36.364	25.822	53.4	34.9	1.9	35.0	83.3
52.0	19.984	36.364	25.824	52.7	36.6	-1.0	36.4	81.5
53.0	19.982	36.365	25.825	53.2	35.9	-1.6	35.9	87.5
54.0	19.976	36.364	25.826	53.6	35.1	-1.7	35.1	92.3
55.0	19.962	36.367	25.832	53.0	34.9	-1.7	35.0	92.3
56.0	19.952	36.367	25.835	53.0	34.4	1.4	34.5	89.3
57.0	19.946	36.369	25.833	53.2	34.3	-1.0	34.7	91.7
58.0	19.943	36.379	25.846	53.1	34.3	1.4	34.3	89.3
59.0	19.940	36.371	25.841	53.2	35.4	1.0	35.4	88.4
60.0	19.933	36.362	25.835	53.2	35.5	1.9	35.6	87.0

Station: 3E
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.08 N
 Longitude 93 38.05 W
 Time: Year Day Hour Minute
 1981 65 21 56

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	19.914	36.366	25.844	53.0	35.2	1.6	35.2	87.5
62.0	19.900	36.362	25.845	53.5	35.9	1.7	35.9	86.8
63.0	19.881	36.376	25.861	53.5	35.7	2.2	35.6	86.3
64.0	19.862	36.382	25.870	53.7	35.0	3.4	35.1	84.4
65.0	19.852	36.376	25.868	53.8	34.5	2.6	34.6	85.7
66.0	19.840	36.379	25.873	54.1	33.7	2.9	33.8	83.2
67.0	19.832	36.372	25.870	54.1	34.0	3.1	34.1	84.8
68.0	19.823	36.373	25.873	54.2	34.2	3.2	34.4	84.4
69.0	19.812	36.377	25.879	53.6	33.3	4.3	33.5	82.7
70.0	19.812	36.368	25.873	53.9	32.1	4.5	32.4	82.0
71.0	19.805	36.376	25.880	53.0	32.1	5.5	32.6	79.5
72.0	19.803	36.375	25.880	53.5	32.1	6.5	32.9	78.9
73.0	19.785	36.390	25.896	53.4	32.6	6.2	33.4	79.4
74.0	19.774	36.389	25.898	53.3	31.8	7.1	32.6	77.4
75.0	19.776	36.372	25.885	53.1	31.4	7.9	32.4	75.9
76.0	19.772	36.370	25.884	53.5	31.1	9.4	32.6	72.9
77.0	19.760	36.379	25.895	52.8	31.2	9.2	32.5	73.5
78.0	19.759	36.346	25.869	53.4	31.7	10.8	33.5	71.2
79.0	19.713	36.384	25.873	52.8	26.8	11.6	26.7	66.1
80.0	19.568	36.406	25.966	52.4	26.8	16.2	31.3	58.8
81.0	19.529	36.361	25.941	52.5	24.9	13.7	28.4	61.1
82.0	19.439	36.415	26.006	52.1	22.2	15.5	27.1	55.1
83.0	19.391	36.458	26.051	52.2	24.5	17.9	30.4	53.8
84.0	19.361	36.436	26.043	52.6	20.9	17.9	27.5	49.4
85.0	19.342	36.394	26.015	51.8	22.0	20.5	30.1	47.0
86.0	19.276	36.406	26.042	51.3	18.7	20.1	27.4	42.8
87.0	19.172	36.454	26.105	50.8	18.8	23.8	30.2	38.0
88.0	19.141	36.426	26.092	50.5	17.8	21.6	28.0	39.5
89.0	19.111	36.418	26.093	50.4	17.2	22.6	28.4	37.3
90.0	19.048	36.464	26.145	48.8	18.7	25.4	31.5	36.4
91.0	18.997	36.470	26.162	48.5	18.6	26.0	32.0	35.6
92.0	18.946	36.456	26.165	48.2	18.6	26.7	32.5	34.8
93.0	18.909	36.427	26.152	47.4	15.7	26.7	30.9	30.5
94.0	18.886	36.398	26.136	46.6	16.5	27.7	32.2	30.8
95.0	18.865	36.393	26.138	47.4	18.1	27.6	33.0	33.3
96.0	18.834	36.393	26.145	47.0	18.3	28.5	33.9	32.8
97.0	18.803	36.394	26.154	46.7	18.6	29.4	34.8	32.3
98.0	18.765	36.406	26.173	46.6	17.8	30.1	35.0	30.5
99.0	18.750	36.429	26.194	45.0	21.2	30.2	36.9	35.0
100.0	18.751	36.412	26.181	42.7	27.5	34.6	44.2	38.5

Station: 4E
 Cruise : 8163
 Ship : GYRE
 Position: Latitude 27 57.44 N
 Longitude 98 38.70 W
 Time: Year Day Hour Minute
 1981 66 0 47

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	20.103	36.377	25.802	54.5	24.5	43.2	49.6	29.6
1.0	20.099	36.374	25.801	55.1	22.4	44.9	50.2	26.5
2.0	20.102	36.370	25.797	54.7	25.5	51.2	57.2	26.5
3.0	20.103	36.368	25.795	54.5	22.5	63.1	67.0	19.6
4.0	20.105	36.370	25.796	54.1	18.1	65.8	68.3	15.4
5.0	20.108	36.369	25.795	54.7	21.2	69.3	72.4	17.0
6.0	20.112	36.367	25.792	54.5	25.9	67.0	71.6	21.2
7.0	20.111	36.361	25.788	54.0	30.0	72.2	77.1	20.5
8.0	20.101	36.362	25.791	55.0	27.9	68.5	75.2	24.3
9.0	20.093	36.366	25.796	54.5	32.0	66.6	73.9	25.7
10.0	20.083	36.370	25.802	54.6	28.6	65.0	71.0	23.7
11.0	20.081	36.358	25.794	54.4	29.8	63.6	70.2	25.1
12.0	20.080	36.359	25.802	54.3	29.1	61.2	67.8	25.4
13.0	20.017	36.348	25.803	54.0	26.3	60.1	65.6	23.6
14.0	19.989	36.344	25.807	53.1	23.0	58.4	64.8	25.6
15.0	19.949	36.365	25.834	53.5	29.5	57.5	64.6	27.1
16.0	19.926	36.370	25.843	53.4	26.3	56.4	62.3	25.0
17.0	19.907	36.379	25.855	53.5	27.6	55.1	62.5	26.2
18.0	19.902	36.379	25.857	53.3	25.5	53.2	63.5	23.7
19.0	19.900	36.375	25.854	53.7	23.5	56.0	60.0	22.3
20.0	19.897	36.375	25.855	54.3	24.3	54.9	60.7	23.8
21.0	19.895	36.374	25.855	54.5	23.2	53.3	58.6	23.3
22.0	19.893	36.371	25.853	53.8	20.0	52.4	56.1	20.9
23.0	19.893	36.368	25.851	54.4	20.7	47.7	59.0	23.5
24.0	19.891	36.371	25.854	54.7	18.4	46.8	50.3	21.5
25.0	19.890	36.371	25.854	54.8	22.4	51.0	55.7	23.7
26.0	19.886	36.374	25.857	55.6	23.7	51.2	56.4	24.8
27.0	19.886	36.370	25.855	55.4	15.8	49.2	52.3	17.4
28.0	19.886	36.366	25.851	54.9	16.8	47.6	50.3	19.5
29.0	19.884	36.363	25.850	54.9	17.2	46.7	49.6	20.2
30.0	19.879	36.367	25.854	55.3	16.9	46.2	49.3	20.1
31.0	19.875	36.366	25.854	54.7	15.8	46.1	48.7	18.9
32.0	19.863	36.365	25.857	54.9	16.3	46.1	48.2	19.5
33.0	19.848	36.360	25.857	55.4	13.7	44.2	46.9	17.0
34.0	19.821	36.345	25.852	55.9	14.1	44.3	46.4	17.6
35.0	19.783	36.325	25.848	56.0	15.1	44.3	47.2	18.6
36.0	19.722	36.332	25.862	56.4	15.4	45.2	47.7	18.8
37.0	19.691	36.307	25.857	56.9	17.2	43.3	46.5	21.7
38.0	19.545	36.404	25.970	57.0	10.7	41.5	42.8	14.4
39.0	19.508	36.411	25.965	56.9	16.4	37.6	41.0	23.4
40.0	19.503	36.385	25.967	57.3	13.1	38.6	40.8	18.3
41.0	19.497	36.412	25.989	57.8	13.5	38.7	41.0	19.2
42.0	19.436	36.398	25.978	58.0	11.6	39.5	38.3	17.6
43.0	19.485	36.371	25.960	58.6	10.6	34.9	36.5	16.8
44.0	19.445	36.392	25.987	59.0	10.7	32.5	34.2	18.9
45.0	19.432	36.375	25.977	59.0	10.5	33.2	34.3	17.5
46.0	19.417	36.360	25.970	58.3	11.0	33.8	35.6	18.0
47.0	19.352	36.396	26.014	57.4	11.5	30.0	32.1	21.0
48.0	19.254	36.407	26.048	57.2	10.4	28.8	30.6	19.8
49.0	19.183	36.409	26.068	57.0	9.6	29.2	30.3	18.3
50.0	19.162	36.399	26.066	56.1	12.0	29.6	31.7	22.3
51.0	19.151	36.373	26.053	56.6	13.6	27.6	30.3	24.2
52.0	19.140	36.368	26.048	56.3	10.7	29.5	31.4	20.0
53.0	19.123	36.342	26.031	56.1	14.2	30.7	33.3	24.7
54.0	19.090	36.357	26.052	55.5	14.8	28.2	31.9	27.7
55.0	19.042	36.381	26.083	55.5	14.6	26.9	30.7	28.5
56.0	18.989	36.389	26.103	55.3	13.6	24.2	27.6	29.2
57.0	18.975	36.371	26.092	55.2	10.1	26.5	23.4	20.3
58.0	18.934	36.408	26.129	54.1	12.8	25.7	28.7	26.4
59.0	18.867	36.404	26.145	54.8	12.5	22.5	25.8	29.0

Station: 4E
 Cruise : 6183
 Ship : GYRE
 Position: Latitude 27 57.44 N
 Longitude 93 38.70 W
 Time: Year Day Hour Minute
 1981 66 0 47

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	18.836	36.366	26.124	54.5	12.5	21.4	24.6	30.3
61.0	18.798	36.368	26.132	54.6	13.7	23.5	27.2	30.2
62.0	18.764	36.368	26.144	54.7	11.4	22.9	25.6	26.5
63.0	18.742	36.375	26.155	54.7	13.4	23.9	27.4	29.3
64.0	18.717	36.381	26.143	54.5	13.9	23.4	27.2	30.3
65.0	18.694	36.373	26.166	54.2	11.9	26.0	28.5	24.6
66.0	18.689	36.405	26.204	52.9	11.7	18.8	22.2	31.3
67.0	18.631	36.380	26.188	52.9	11.6	18.5	21.3	31.9
68.0	18.610	36.396	26.205	52.6	12.0	16.5	20.4	35.9
69.0	18.611	36.373	26.187	51.6	12.7	13.8	18.3	42.6
70.0	18.581	36.370	26.192	51.9	11.4	14.4	18.4	38.2
71.0	18.550	36.374	26.203	52.1	10.0	15.1	18.1	33.6
72.0	18.526	36.385	26.218	50.4	11.6	15.5	19.4	36.6
73.0	18.524	36.371	26.208	50.7	12.1	16.2	20.2	36.6
74.0	18.517	36.369	26.208	49.7	11.7	16.6	20.3	35.1
75.0	18.517	36.374	26.212	48.7	11.0	17.0	20.2	32.8
76.0	18.517	36.383	26.218	47.9	12.9	15.4	20.1	33.9
77.0	18.518	36.373	26.211	48.9	9.8	14.3	17.3	34.4
78.0	18.519	36.361	26.201	47.6	11.8	11.8	16.7	45.0
79.0	18.516	36.362	26.203	47.7	12.3	11.3	16.7	47.6
80.0	18.517	36.360	26.201	46.6	12.3	11.3	16.7	47.4
81.0	18.519	36.361	26.201	46.2	12.9	13.5	18.7	43.6
82.0	18.519	36.359	26.200	46.1	12.7	12.4	17.3	45.7
83.0	18.520	36.354	26.196	45.9	11.1	10.9	15.6	45.6
84.0	18.517	36.354	26.196	45.0	11.7	13.4	17.3	41.2
85.0	18.514	36.358	26.200	44.0	12.3	15.9	20.1	37.3
86.0	18.513	36.354	26.197	43.7	12.7	13.8	18.3	42.5
87.0	18.509	36.360	26.203	43.5	10.1	5.3	11.4	62.3
88.0	18.510	36.357	26.201	42.9	9.8	12.0	15.6	39.3
89.0	18.508	36.357	26.200	42.4	9.3	14.2	17.0	33.3
90.0	18.506	36.360	26.204	42.4	9.5	11.5	14.9	39.4
91.0	18.505	36.357	26.202	42.8	11.1	7.7	13.5	55.3
92.0	18.508	36.359	26.202	41.8	14.0	9.5	16.9	55.8

Station: 35
 Cruise: 31-G-3
 Ship: GYRE
 Position: Latitude 27 58.80 N
 Longitude 93 32.57 W
 Time: Year 1981 Day 65 Hour 3 Minute 3

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.2900	36.3662	25.7388	52.0	7.6	-10.0	12.6	142.9
2.0	20.2993	36.3662	25.7399	52.2	10.8	-10.2	14.8	135.4
3.0	20.2996	36.3664	25.741	54.0	16.0	-9.3	16.3	101.8
4.0	20.2994	36.3667	25.744	55.6	9.8	-6.6	12.1	131.1
5.0	20.2994	36.3666	25.742	55.7	18.8	-6.2	19.3	108.9
6.0	20.2994	36.3666	25.742	55.7	12.8	-6.7	15.5	124.1
7.0	20.2994	36.3665	25.742	55.5	12.7	-5.1	13.7	111.8
8.0	20.2995	36.3666	25.742	52.7	12.5	-6.5	12.7	105.7
9.0	20.2996	36.3666	25.742	55.5	13.5	-4.9	14.4	103.9
10.0	20.2997	36.3664	25.740	52.9	11.3	-5.8	12.7	117.1
11.0	20.2996	36.3665	25.741	52.4	12.3	-5.1	13.3	112.4
12.0	20.2995	36.3666	25.743	52.2	16.3	-6.2	18.2	116.4
13.0	20.2995	36.3666	25.742	52.4	14.3	-7.2	16.0	116.7
14.0	20.2996	36.3663	25.740	52.5	14.9	-9.0	17.4	121.1
15.0	20.2994	36.3663	25.741	52.2	12.3	-9.5	15.9	126.6
16.0	20.2993	36.3663	25.741	52.3	11.3	-10.4	15.7	131.4
17.0	20.2991	36.3666	25.743	53.1	13.6	-7.3	15.7	119.9
18.0	20.2992	36.3665	25.742	53.5	16.1	-8.4	18.2	117.7
19.0	20.2991	36.3665	25.743	52.9	12.3	-6.8	13.7	116.1
20.0	20.2993	36.3664	25.741	52.3	12.4	-6.8	14.1	113.6
21.0	20.2992	36.3665	25.742	52.3	13.0	-10.5	16.7	128.9
22.0	20.2993	36.3660	25.738	52.7	14.7	-7.1	16.4	115.7
23.0	20.289	36.3656	25.736	52.5	14.3	-7.3	16.3	113.4
24.0	20.270	36.3666	25.749	51.9	14.1	-7.7	16.1	113.8
25.0	20.265	36.3668	25.752	52.1	14.1	-7.9	16.2	119.3
26.0	20.265	36.3668	25.752	51.9	12.1	-7.9	14.4	123.3
27.0	20.267	36.3667	25.750	51.9	12.5	-8.7	15.2	124.7
28.0	20.268	36.3665	25.749	51.0	14.2	-8.8	16.8	121.8
29.0	20.267	36.3662	25.747	51.7	10.2	-11.5	15.4	133.9
30.0	20.264	36.3666	25.743	52.0	12.0	-7.3	14.3	123.1
31.0	20.254	36.3641	25.734	52.3	13.7	-7.7	15.3	119.4
32.0	20.220	36.3649	25.750	51.4	13.7	-7.9	15.3	119.9
33.0	20.188	36.3659	25.766	51.5	17.4	-6.6	18.6	110.8
34.0	20.172	36.3632	25.750	50.9	16.5	-7.5	18.1	114.4
35.0	20.128	36.3640	25.767	50.3	17.9	-9.7	20.3	118.4
36.0	20.067	36.3651	25.792	50.4	20.5	-6.0	21.3	106.3
37.0	20.000	36.3649	25.808	50.9	25.1	-5.1	25.6	101.6
38.0	19.966	36.3641	25.811	50.9	26.8	-6.3	26.7	104.9
39.0	19.872	36.3687	25.871	51.3	27.2	-6.4	27.9	103.2
40.0	19.855	36.3670	25.863	51.1	28.7	-6.2	29.4	102.1
41.0	19.836	36.3669	25.867	51.3	26.7	-7.1	27.6	104.8
42.0	19.807	36.3651	25.861	51.0	27.7	-8.1	28.8	106.4
43.0	19.761	36.3635	25.861	50.9	23.0	-8.4	24.4	110.0
44.0	19.714	36.3651	25.885	51.7	25.6	-9.4	27.3	110.2
45.0	19.647	36.3640	25.941	50.4	23.1	-9.2	24.6	111.8
46.0	19.615	36.3622	25.943	50.6	25.3	-9.3	26.9	110.3
47.0	19.583	36.3679	25.941	50.6	27.5	-9.3	29.1	109.0
48.0	19.566	36.3682	25.948	50.9	23.2	-9.3	29.9	109.2
49.0	19.562	36.3671	25.940	50.1	23.0	-9.3	24.9	112.4
50.0	19.559	36.3649	25.924	49.8	22.4	-8.8	24.1	111.4
51.0	19.510	36.3663	25.948	49.7	23.6	-10.3	25.7	113.6
52.0	19.460	36.3640	25.943	50.1	26.7	-11.9	29.3	114.1
53.0	19.415	36.3696	25.921	50.0	22.4	-12.9	25.8	119.9
54.0	19.291	36.3666	26.007	49.3	21.0	-13.4	24.9	122.6
55.0	19.229	36.3661	26.019	49.2	21.5	-13.6	25.4	122.1
56.0	19.165	36.3678	26.049	48.5	22.6	-13.6	26.4	121.1
57.0	19.119	36.400	26.078	48.3	21.7	-14.7	26.2	124.0
58.0	19.100	36.402	26.084	48.5	18.1	-13.4	22.6	126.4
59.0	19.080	36.384	26.075	48.9	17.8	-13.2	23.4	130.4
60.0	18.936	36.362	26.083	48.0	14.6	-13.9	20.2	133.5

Station: 35
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 58.80 N
 Longitude 93 22.57 W
 Time: Year Day Hour Minute
 1981 65 3 3

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	18.866	36.402	26.143	48.5	16.5	-15.0	23.9	129.1
62.0	18.780	36.418	26.178	48.2	16.8	-14.4	22.1	130.4
63.0	18.745	36.409	26.180	47.8	15.6	-13.5	20.6	130.8
64.0	18.733	36.404	26.180	47.9	14.7	-15.3	21.2	126.1
65.0	18.718	36.386	26.169	47.3	11.0	-11.6	16.0	125.4
66.0	18.703	36.371	26.162	47.8	11.4	-12.3	16.8	127.1
67.0	18.689	36.360	26.158	47.3	10.7	-9.8	14.5	122.5
68.0	18.658	36.401	26.196	47.7	12.7	-11.6	17.2	122.5
69.0	18.657	36.400	26.196	47.8	11.9	-9.9	14.9	125.7
70.0	18.672	36.361	26.163	48.1	12.2	-11.4	16.7	123.0
71.0	18.625	36.384	26.192	48.2	10.9	-12.4	16.5	122.9
72.0	18.609	36.381	26.194	47.3	7.6	-14.1	16.0	121.9
73.0	18.597	36.356	26.178	46.7	7.2	-9.9	12.2	144.1
74.0	18.554	36.308	26.151	47.9	5.8	-12.3	14.0	153.8
75.0	18.479	36.325	26.184	47.6	8.7	-8.9	12.5	125.8
76.0	18.369	36.419	26.283	47.4	8.4	-9.7	12.8	129.1
77.0	18.316	36.407	26.287	46.1	4.3	-10.6	11.4	127.6
78.0	18.285	36.392	26.284	43.2	6.9	-6.9	9.8	125.2
79.0	18.255	36.343	26.254	44.4	3.5	-9.3	9.9	129.0
80.0	18.165	36.330	26.266	42.0	-1.4	-10.3	10.3	122.3
81.0	18.099	36.348	26.297	42.3	1.0	-4.3	4.4	126.5
82.0	18.039	36.366	26.326	38.6	-3.8	-10.0	10.7	200.9
83.0	18.022	36.353	26.319	39.1	-4.4	-5.0	5.1	175.4
84.0	17.989	36.355	26.330	35.7	-2.9	-6.0	6.7	206.2
85.0	17.921	36.397	26.379	33.3	1.8	-3.6	4.1	153.4
86.0	17.904	36.405	26.389	30.6	1.1	-4.6	4.7	126.4
87.0	17.898	36.407	26.391	29.6	-1.7	-3.1	3.2	123.3
88.0	17.898	36.411	26.395	29.4	-6.3	-4.0	7.5	237.7

Station: 45
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 56.13 N
 Longitude 93 35.05 W
 Time: Year Day Hour Minute
 1981 65 11 32

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.419	36.359	25.704	56.3	10.5	-12.1	16.0	139.0
2.0	20.423	36.357	25.701	55.9	9.4	-9.5	12.7	132.0
3.0	20.427	36.350	25.695	55.5	9.3	-9.4	4.7	44.6
4.0	20.430	36.348	25.693	55.9	13.8	-9.6	14.2	104.7
5.0	20.429	36.350	25.694	55.5	18.7	1.3	18.8	81.8
6.0	20.431	36.349	25.693	56.1	11.5	4.3	12.2	69.7
7.0	20.431	36.349	25.693	55.5	12.9	1.1	13.0	85.3
8.0	20.432	36.348	25.692	55.5	10.1	6.4	12.0	57.9
9.0	20.434	36.346	25.690	56.3	12.0	4.3	12.7	70.1
10.0	20.430	36.349	25.693	55.2	12.2	-1.4	12.3	96.7
11.0	20.431	36.348	25.693	56.3	11.0	2.7	11.3	76.3
12.0	20.427	36.351	25.695	56.3	14.1	2.2	14.2	81.2
13.0	20.430	36.350	25.694	56.3	11.8	.1	11.8	89.5
14.0	20.433	36.349	25.692	56.0	11.4	3.0	11.9	75.5
15.0	20.434	36.350	25.693	55.6	11.6	1.3	11.9	83.9
16.0	20.434	36.350	25.693	55.5	11.2	4.3	12.0	69.2
17.0	20.436	36.349	25.691	56.4	13.9	-2.7	14.2	79.1
18.0	20.436	36.350	25.693	56.1	11.8	-1.8	12.0	98.6
19.0	20.436	36.350	25.692	56.1	13.1	2.7	13.4	78.2
20.0	20.437	36.342	25.686	56.5	13.1	.5	13.1	88.0
21.0	20.437	36.332	25.678	55.9	15.8	-.4	15.8	91.4
22.0	20.420	36.333	25.686	55.8	16.4	-.7	16.4	91.7
23.0	20.403	36.339	25.693	55.8	17.0	-.5	17.0	92.1
24.0	20.386	36.342	25.700	55.7	17.6	-.7	17.6	92.4
25.0	20.370	36.346	25.707	55.6	18.2	-.8	18.2	92.7
26.0	20.353	36.349	25.714	55.5	18.7	-.8	18.8	92.9
27.0	20.336	36.353	25.721	55.5	19.3	-1.1	19.4	93.2
28.0	20.320	36.356	25.728	55.4	19.9	-1.2	20.0	93.4
29.0	20.303	36.360	25.736	55.3	20.5	-1.3	20.6	93.7
30.0	20.286	36.363	25.743	55.3	21.1	-1.4	21.1	93.9
31.0	20.269	36.367	25.750	55.2	21.7	-1.5	21.7	94.1
32.0	20.253	36.370	25.757	55.1	22.3	-1.7	22.3	94.3
33.0	20.236	36.363	25.756	55.1	22.9	-1.8	22.9	94.4
34.0	20.219	36.372	25.767	55.0	23.4	-1.9	23.5	94.6
35.0	20.195	36.355	25.761	55.0	23.7	-4.2	24.0	100.0
36.0	20.150	36.366	25.781	54.5	22.7	-6.0	23.4	104.7
37.0	20.111	36.390	25.810	54.8	25.8	-3.3	26.0	97.4
38.0	20.078	36.368	25.802	54.9	25.1	-6.9	26.0	105.5
39.0	20.019	36.385	25.831	54.5	26.5	-4.8	26.9	106.3
40.0	19.981	36.373	25.831	55.0	27.6	-6.5	28.3	103.3
41.0	19.938	36.344	25.824	55.1	26.0	-10.3	28.3	111.7
42.0	19.896	36.419	25.905	55.8	28.0	-7.2	28.9	104.4
43.0	19.754	36.506	25.993	56.4	26.2	-8.8	27.6	108.5
44.0	19.663	36.465	25.985	55.6	24.3	-10.4	26.4	113.2
45.0	19.614	36.439	25.979	55.5	23.0	-7.4	23.0	104.8
46.0	19.610	36.397	25.948	55.3	26.4	-10.0	28.3	110.3
47.0	19.580	36.385	25.946	54.7	23.7	-10.1	25.7	113.2
48.0	19.562	36.387	25.953	55.2	26.1	-10.2	28.1	111.4
49.0	19.548	36.379	25.950	54.8	25.2	-12.1	27.9	115.6
50.0	19.535	36.382	25.956	54.9	24.6	-11.1	27.0	114.2
51.0	19.529	36.378	25.954	55.0	25.5	-11.2	27.8	113.6
52.0	19.525	36.369	25.948	54.3	24.6	-12.8	27.8	117.5
53.0	19.510	36.375	25.957	54.5	27.4	-11.1	29.9	112.1
54.0	19.497	36.360	25.949	54.3	26.4	-12.2	29.1	114.7
55.0	19.486	36.345	25.941	53.3	24.0	-13.0	27.3	118.4
56.0	19.461	36.352	25.952	53.8	20.3	-12.2	23.7	121.1
57.0	19.441	36.356	25.960	53.5	20.4	-12.0	23.7	120.3
58.0	19.420	36.360	25.969	53.2	20.6	-11.7	23.7	119.6
59.0	19.399	36.364	25.977	52.9	20.7	-11.4	23.7	118.9
60.0	19.379	36.368	25.985	52.6	20.9	-11.2	23.7	118.1

Station: 45
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 56.13 N
 Longitude 93 35.05 W
 Time: Year Day Hour Minute
 1981 65 11 32

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	19.358	36.371	25.994	52.3	21.0	-10.9	23.7	117.4
62.0	19.337	36.375	26.002	52.0	21.2	-10.7	23.7	116.7
63.0	19.317	36.376	26.003	51.7	21.3	-10.4	23.7	116.0
64.0	19.296	36.353	25.996	51.5	21.5	-10.1	23.8	115.3
65.0	19.221	36.300	25.975	50.7	20.4	-10.5	22.9	117.4
66.0	19.094	36.337	26.036	49.7	17.9	-12.9	22.1	125.8
67.0	18.936	36.439	26.155	50.2	19.9	-12.0	23.2	121.2
68.0	18.813	36.444	26.190	49.7	18.0	-12.9	22.1	125.7
69.0	18.711	36.473	26.238	49.8	16.0	-13.7	21.0	130.6
70.0	18.707	36.448	26.220	51.1	19.6	-12.1	23.0	121.7
71.0	18.699	36.429	26.208	49.9	19.7	-10.8	22.5	118.9
72.0	18.698	36.418	26.199	49.2	15.5	-13.8	20.8	131.6
73.0	18.691	36.368	26.163	50.1	20.4	-12.1	23.7	120.6
74.0	18.637	36.353	26.169	49.7	22.2	-10.4	24.5	115.2
75.0	18.516	36.383	26.219	49.0	17.7	-14.2	22.7	123.8
76.0	18.471	36.335	26.193	48.4	23.9	-8.6	25.4	109.7
77.0	18.355	36.413	26.232	46.0	18.5	-11.9	22.0	122.6
78.0	18.332	36.424	26.297	46.2	24.8	-10.7	27.0	116.3
79.0	18.324	36.411	26.286	45.2	23.9	-10.7	26.2	114.1
80.0	18.307	36.414	26.295	44.8	22.1	-13.4	25.9	121.3
81.0	18.301	36.410	26.293	45.4	26.0	-11.4	28.4	113.7
82.0	18.296	36.396	26.284	45.0	24.1	-12.4	27.0	117.2
83.0	18.290	36.392	26.282	44.7	24.1	-14.3	28.0	120.8
84.0	18.283	36.377	26.272	45.8	26.7	-14.7	30.5	118.9
85.0	18.263	36.361	26.265	44.2	23.9	-16.7	29.1	124.9
86.0	18.223	36.353	26.272	43.0	23.5	-16.9	28.9	125.8
87.0	18.193	36.355	26.279	41.9	23.1	-17.2	28.8	126.7
88.0	18.157	36.353	26.286	40.7	22.7	-17.5	28.6	127.6
89.0	18.122	36.350	26.292	39.6	22.3	-17.7	28.5	128.6
90.0	18.087	36.347	26.299	38.4	21.8	-18.0	28.3	129.5
91.0	18.052	36.362	26.319	37.2	21.4	-18.3	28.2	130.5
92.0	18.017	36.407	26.362	36.1	21.0	-18.6	28.1	131.4
93.0	17.990	36.391	26.356	35.5	20.9	-18.6	27.5	132.5
94.0	17.970	36.397	26.346	34.3	23.2	-18.7	29.8	129.0
95.0	17.964	36.398	26.368	34.8	22.0	-20.4	30.0	132.8
96.0	17.963	36.383	26.357	34.5	19.6	-19.0	27.3	134.1
97.0	17.960	36.374	26.351	34.1	23.1	-21.0	31.2	132.3
98.0	17.958	36.364	26.359	34.0	20.5	-20.5	29.0	134.9
99.0	17.960	36.366	26.345	34.0	19.4	-21.1	28.7	137.5

Station: 55
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 56.66 N
 Longitude 93 36.17 W
 Time: Year Day Hour Minute
 1981 65 14 56

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	20.295	36.354	25.735	54.4	6.2	13.9	15.3	24.1
3.0	20.295	36.354	25.733	54.3	1.7	11.6	11.7	8.5
4.0	20.295	36.354	25.733	54.3	-1.9	27.0	27.0	356.0
5.0	20.294	36.356	25.735	53.9	1.6	25.2	25.4	3.7
6.0	20.294	36.355	25.735	54.4	5.6	30.1	30.7	10.4
7.0	20.294	36.354	25.733	54.2	6.5	31.8	32.5	11.5
8.0	20.293	36.354	25.734	53.5	9.1	28.0	29.5	18.1
9.0	20.291	36.356	25.736	53.9	12.5	28.9	31.4	23.3
10.0	20.287	36.356	25.738	53.6	10.4	25.1	27.2	22.5
11.0	20.286	36.356	25.737	53.0	12.0	23.1	26.0	27.4
12.0	20.283	36.357	25.739	53.4	13.9	23.2	27.1	31.0
13.0	20.284	36.353	25.736	53.3	13.7	21.3	25.3	32.2
14.0	20.279	36.356	25.739	53.6	13.5	19.3	23.4	32.2
15.0	20.274	36.353	25.742	53.4	11.2	17.3	21.0	32.1
16.0	20.271	36.355	25.741	53.7	11.0	16.6	21.6	30.4
17.0	20.258	36.353	25.746	52.7	15.3	20.6	25.9	37.5
18.0	20.251	36.357	25.747	53.0	14.0	16.1	22.9	37.7
19.0	20.242	36.359	25.751	52.9	13.1	19.2	24.4	38.1
20.0	20.231	36.370	25.763	52.9	16.3	16.1	24.4	41.9
21.0	20.216	36.373	25.769	53.0	16.3	17.0	23.5	43.7
22.0	20.187	36.384	25.785	53.2	17.1	19.1	25.6	41.7
23.0	20.168	36.386	25.792	53.2	17.0	19.5	23.0	47.6
24.0	20.154	36.393	25.801	53.0	16.1	16.0	24.1	46.5
25.0	20.139	36.410	25.817	52.6	18.1	15.3	24.0	48.9
26.0	20.134	36.390	25.804	52.9	17.3	15.3	23.5	47.6
27.0	20.125	36.394	25.801	52.9	17.2	15.5	24.7	51.0
28.0	20.102	36.403	25.822	53.1	16.2	13.0	20.8	51.1
29.0	20.066	36.392	25.823	53.2	16.2	11.3	20.1	53.9
30.0	20.040	36.387	25.826	53.3	15.7	12.4	20.0	51.3
31.0	20.022	36.371	25.819	53.3	15.1	10.3	18.6	54.6
32.0	19.993	36.365	25.822	53.3	15.5	12.4	19.3	51.4
33.0	19.967	36.367	25.831	53.2	13.4	7.9	15.5	59.5
34.0	19.932	36.365	25.854	53.9	15.6	10.7	18.9	55.4
35.0	19.931	36.401	25.866	54.4	15.1	10.2	18.2	56.0
36.0	19.928	36.381	25.852	53.3	13.2	11.4	17.5	49.0
37.0	19.906	36.374	25.852	53.3	14.0	12.2	18.6	49.0
38.0	19.895	36.367	25.850	53.3	11.3	9.0	14.4	51.7
39.0	19.855	36.379	25.869	53.6	8.6	15.3	17.5	59.5
40.0	19.827	36.380	25.877	53.3	8.5	16.4	18.5	59.5
41.0	19.799	36.381	25.885	54.0	8.4	17.5	19.4	59.7
42.0	19.771	36.382	25.893	54.2	8.3	18.6	20.4	54.1
43.0	19.743	36.373	25.895	54.4	8.2	19.7	21.4	52.6
44.0	19.715	36.374	25.903	54.6	8.1	20.8	22.4	51.2
45.0	19.704	36.366	25.899	54.5	7.7	18.4	19.9	52.7
46.0	19.694	36.357	25.895	55.0	10.3	21.2	23.6	56.0
47.0	19.660	36.368	25.912	55.1	7.9	18.0	19.7	53.7
48.0	19.638	36.373	25.922	54.6	7.3	15.1	15.5	55.5
49.0	19.639	36.370	25.919	54.4	9.2	13.0	20.2	57.1
50.0	19.638	36.365	25.916	54.2	7.9	18.4	20.0	53.3
51.0	19.634	36.373	25.923	54.1	8.1	21.9	23.3	50.3
52.0	19.631	36.376	25.926	53.6	5.5	18.7	19.5	56.4
53.0	19.632	36.371	25.922	53.6	5.4	23.1	23.7	52.2
54.0	19.632	36.362	25.915	53.3	9.2	19.2	21.3	55.9
55.0	19.622	36.362	25.917	53.3	5.0	17.1	17.3	55.7
56.0	19.616	36.365	25.922	53.3	5.7	22.0	22.7	54.7
57.0	19.613	36.368	25.925	53.2	1.5	19.4	19.5	4.4
58.0	19.606	36.371	25.928	52.6	.8	20.8	20.8	2.2

Station: 45
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 55.28 N
 Longitude 93 36.55 W
 Time: Year Day Hour Minute
 1981 65 14 8

Depth m	Temp deg C	Salt ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	20.319	36.354	25.727	54.1	-7.5	4.8	8.9	302.4
3.0	20.318	36.353	25.726	54.1	-7.9	10.4	10.5	355.2
4.0	20.318	36.354	25.727	54.2	.2	12.8	12.8	.7
5.0	20.313	36.355	25.728	54.5	3.5	17.1	17.5	11.6
6.0	20.318	36.355	25.727	54.3	3.9	11.9	14.8	36.8
7.0	20.317	36.355	25.728	53.9	10.5	10.9	14.6	45.6
8.0	20.317	36.356	25.729	53.6	12.0	8.6	14.8	54.3
9.0	20.316	36.356	25.730	53.2	13.6	7.0	15.3	62.6
10.0	20.315	36.356	25.729	52.9	15.2	5.4	16.1	70.3
11.0	20.314	36.355	25.729	52.6	16.8	3.8	17.2	77.1
12.0	20.309	36.358	25.732	52.6	20.6	3.0	20.8	81.8
13.0	20.309	36.358	25.733	52.5	21.5	5.8	22.2	74.8
14.0	20.308	36.360	25.734	52.5	21.7	7.6	22.9	70.7
15.0	20.308	36.360	25.734	51.8	22.2	7.3	23.4	71.8
16.0	20.295	36.360	25.738	51.7	18.9	-1.7	19.0	84.8
17.0	20.253	36.374	25.760	52.1	13.6	-1.0	13.6	94.0
18.0	20.265	36.357	25.744	52.6	21.3	6.0	22.2	74.3
19.0	20.248	36.362	25.752	53.3	24.6	6.5	25.4	75.2
20.0	20.233	36.361	25.755	52.6	24.6	9.2	26.3	69.4
21.0	20.209	36.357	25.759	52.3	26.1	7.3	27.1	74.4
22.0	20.186	36.363	25.769	52.7	24.6	5.0	25.1	78.5
23.0	20.164	36.366	25.773	52.6	25.7	2.4	25.9	84.6
24.0	20.149	36.343	25.764	52.4	25.4	2.7	25.5	84.0
25.0	20.132	36.340	25.766	51.5	26.7	2.8	26.3	84.0
26.0	20.045	36.340	25.789	53.1	24.8	2.9	25.0	83.4
27.0	19.948	36.336	25.812	53.4	23.2	1.4	23.2	86.6
28.0	19.908	36.322	25.812	53.4	21.2	-1.7	21.2	91.9
29.0	19.840	36.340	25.844	54.1	20.4	.8	20.5	87.7
30.0	19.806	36.340	25.853	54.1	18.2	1.9	18.3	84.1
31.0	19.783	36.342	25.860	55.5	12.4	2.3	12.6	79.4
32.0	19.760	36.344	25.868	55.6	12.9	2.7	13.2	77.9
33.0	19.737	36.346	25.876	55.6	13.3	3.2	13.7	76.6
34.0	19.714	36.349	25.884	55.6	13.8	3.6	14.3	75.4
35.0	19.690	36.353	25.897	55.7	14.3	4.0	14.9	74.2
36.0	19.680	36.368	25.907	55.4	13.6	4.8	14.4	70.4
37.0	19.677	36.362	25.903	55.5	12.2	4.0	12.8	71.9
38.0	19.663	36.378	25.919	55.6	13.3	6.0	14.6	65.6
39.0	19.649	36.378	25.923	55.6	10.6	4.8	11.7	65.5
40.0	19.646	36.364	25.913	54.9	10.0	4.8	11.1	64.3
41.0	19.646	36.366	25.914	54.2	10.3	5.1	11.5	63.5
42.0	19.646	36.371	25.918	54.2	9.0	2.9	9.5	72.2
43.0	19.647	36.365	25.913	53.7	6.8	-1.5	7.0	102.1
44.0	19.648	36.352	25.903	56.3	5.3	3.5	6.3	56.6
45.0	19.647	36.373	25.920	57.3	-3.1	.1	3.1	270.5
46.0	19.645	36.353	25.905	56.5	-21.6	-3.3	21.8	261.2

Station: 75
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.80 N
 Longitude 93 35.15 W
 Time: Year Day Hour Minute
 1981 65 15 31

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	20.977	36.351	25.709	56.1	13.4	40.7	42.8	18.2
4.0	20.977	36.351	25.709	56.4	7.7	27.6	28.4	11.5
5.0	20.974	36.351	25.710	55.6	11.8	37.8	39.6	17.3
6.0	20.972	36.352	25.711	55.2	10.1	27.2	28.6	13.2
7.0	20.969	36.355	25.714	55.7	9.0	31.3	32.5	16.1
8.0	20.970	36.353	25.712	56.1	12.6	34.3	36.5	20.2
9.0	20.971	36.353	25.712	55.4	12.0	34.9	36.9	19.0
10.0	20.971	36.353	25.711	55.2	11.1	32.5	33.9	18.3
11.0	20.970	36.353	25.712	55.4	16.1	39.9	43.1	22.0
12.0	20.969	36.353	25.713	55.1	12.5	32.6	34.9	21.0
13.0	20.968	36.352	25.712	55.5	12.6	35.5	37.4	19.7
14.0	20.968	36.351	25.711	55.1	16.5	38.7	42.1	22.1
15.0	20.966	36.352	25.713	55.7	13.4	32.5	35.2	22.4
16.0	20.965	36.353	25.714	55.4	15.2	35.6	38.7	23.1
17.0	20.965	36.353	25.714	55.1	14.9	35.5	38.0	23.5
18.0	20.966	36.350	25.711	56.1	13.8	31.7	34.5	23.5
19.0	20.964	36.343	25.711	54.9	13.8	33.4	35.8	23.8
20.0	20.956	36.354	25.717	55.6	13.3	36.6	39.2	20.7
21.0	20.953	36.356	25.720	55.6	13.5	34.3	36.8	21.5
22.0	20.954	36.349	25.714	54.8	14.7	34.4	37.7	22.9
23.0	20.954	36.337	25.705	55.4	14.3	32.6	35.6	23.7
24.0	20.940	36.341	25.711	53.0	15.4	32.2	39.4	23.0
25.0	20.934	36.350	25.722	54.5	14.0	33.6	36.8	24.0
26.0	20.930	36.346	25.721	54.4	14.3	34.4	37.7	22.7
27.0	20.9310	36.352	25.727	54.6	12.2	34.4	36.3	19.7
28.0	20.934	36.365	25.744	54.3	7.2	22.1	22.9	12.7
29.0	20.9267	36.361	25.746	54.1	5.8	19.9	20.2	11.1
30.0	20.9262	36.350	25.739	54.2	7.1	23.7	23.1	12.3
31.0	20.9255	36.339	25.733	54.4	11.3	33.7	35.6	18.5
32.0	20.9245	36.340	25.736	54.3	11.3	34.7	36.6	18.8
33.0	20.9217	36.330	25.736	53.0	10.0	33.8	35.2	16.6
34.0	20.921	36.331	25.762	53.3	9.2	34.4	35.6	15.0
35.0	20.9267	36.352	25.793	55.5	9.7	35.3	36.6	15.9
36.0	20.939	36.358	25.805	55.3	10.9	35.9	37.5	16.9
37.0	20.931	36.362	25.810	55.3	8.4	33.8	35.8	13.9
38.0	20.927	36.359	25.809	55.5	9.8	34.4	35.9	15.9
39.0	20.923	36.350	25.803	55.6	4.1	20.6	20.8	7.6
40.0	20.921	36.355	25.792	55.7	9.2	35.6	36.6	14.5
41.0	20.915	36.315	25.778	55.0	8.0	34.4	35.5	13.1
42.0	19.988	36.310	25.781	55.5	9.1	35.3	36.3	14.2
43.0	19.942	36.340	25.816	55.8	10.1	34.2	35.7	16.4
44.0	19.927	36.354	25.832	55.5	9.5	34.6	35.0	16.3
45.0	19.933	36.323	25.808	55.5	8.8	33.7	33.1	16.2
46.0	19.923	36.312	25.800	55.5	8.8	33.5	32.7	15.1
47.0	19.979	36.340	25.834	55.9	9.0	36.4	37.9	18.3
48.0	19.964	36.333	25.836	55.4	6.3	24.7	25.5	14.9
49.0	19.959	36.325	25.827	55.1	5.8	22.1	22.9	14.7
50.0	19.934	36.355	25.857	55.7	6.0	24.3	25.5	13.7
51.0	19.824	36.350	25.855	54.7	5.9	24.9	25.6	13.2

Station: 86
 Cruise: 8163
 Ship: GYRE
 Position: Latitude 27 53.59 N
 Longitude 93 35.37 W
 Time: Year Day Hour Minute
 1981 65 16 15

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.440	36.356	25.690	57.2	31.7	31.1	44.4	45.6
2.0	20.433	36.355	25.691	57.2	31.3	29.1	42.7	47.2
3.0	20.450	36.355	25.693	57.1	34.3	29.6	44.8	50.0
4.0	20.447	36.357	25.695	57.6	36.7	24.0	43.9	56.3
5.0	20.447	36.357	25.695	57.2	37.3	26.5	45.3	54.6
6.0	20.447	36.356	25.694	57.0	36.4	24.6	43.9	56.0
7.0	20.444	36.357	25.695	56.3	39.6	25.5	47.0	57.5
8.0	20.443	36.356	25.695	57.1	36.0	23.7	43.1	56.6
9.0	20.444	36.358	25.693	56.4	36.7	23.9	43.2	56.0
10.0	20.439	36.357	25.697	56.3	34.8	25.5	42.9	54.1
11.0	20.437	36.355	25.696	56.6	35.9	26.2	44.5	53.9
12.0	20.433	36.357	25.693	56.6	35.1	26.3	44.1	52.7
13.0	20.429	36.353	25.700	55.9	34.6	26.3	43.5	53.2
14.0	20.427	36.353	25.701	55.5	33.3	26.9	42.5	51.1
15.0	20.423	36.361	25.704	56.2	34.1	27.4	43.3	51.2
16.0	20.421	36.357	25.702	56.1	32.3	26.7	42.0	50.4
17.0	20.413	36.361	25.707	56.7	32.4	26.8	42.3	50.4
18.0	20.403	36.362	25.715	56.6	35.1	24.4	42.9	54.7
19.0	20.401	36.367	25.715	56.2	32.0	23.3	39.6	54.0
20.0	20.391	36.371	25.720	56.3	31.7	23.0	39.1	54.1
21.0	20.382	36.372	25.722	56.4	31.4	22.6	38.1	54.3
22.0	20.372	36.376	25.730	56.5	31.0	22.2	37.2	54.3
23.0	20.357	36.372	25.730	56.6	30.6	21.9	37.6	54.4
24.0	20.353	36.363	25.725	56.4	31.3	22.1	38.7	55.2
25.0	20.349	36.361	25.725	56.1	33.3	20.9	39.5	53.3
26.0	20.323	36.371	25.733	56.1	31.3	20.1	37.3	57.3
27.0	20.313	36.371	25.742	56.1	29.9	19.7	34.9	55.3
28.0	20.303	36.370	25.742	55.6	29.0	19.9	35.2	55.6
29.0	20.292	36.372	25.743	55.2	30.0	17.7	34.9	55.3
30.0	20.266	36.370	25.743	55.4	26.3	17.5	31.6	56.3
31.0	20.277	36.370	25.750	55.0	29.8	16.1	34.8	58.3
32.0	20.273	36.353	25.743	54.9	27.4	15.4	31.4	60.7
33.0	20.254	36.332	25.727	54.6	30.1	16.1	34.1	61.3
34.0	20.177	36.354	25.745	54.7	30.7	17.2	37.3	62.9
35.0	20.133	36.330	25.797	54.4	28.7	11.6	31.0	68.0
36.0	20.122	36.376	25.796	54.6	31.6	13.1	34.2	67.5
37.0	20.110	36.373	25.801	55.5	31.6	13.4	34.3	67.0
38.0	20.106	36.330	25.803	55.0	29.7	13.7	32.7	65.1
39.0	20.096	36.374	25.802	54.9	33.1	12.3	35.5	68.3
40.0	20.084	36.353	25.793	54.5	32.5	13.3	35.1	67.3
41.0	20.068	36.326	25.773	55.3	29.0	14.1	32.2	64.0
42.0	19.969	36.366	25.829	55.3	29.9	11.1	31.9	64.6
43.0	19.938	36.336	25.853	56.2	26.3	13.0	29.3	64.1
44.0	19.926	36.395	25.863	55.3	28.3	12.7	31.0	65.3
45.0	19.924	36.377	25.849	55.3	26.0	9.4	27.7	70.1
46.0	19.910	36.381	25.856	55.3	26.1	9.3	27.9	69.4
47.0	19.895	36.390	25.867	55.7	26.1	10.2	28.0	68.7
48.0	19.883	36.330	25.862	56.0	22.7	7.3	23.3	72.2
49.0	19.869	36.369	25.858	55.5	22.2	6.5	24.0	69.4
50.0	19.846	36.331	25.874	55.3	23.0	9.1	26.7	70.0
51.0	19.820	36.333	25.881	56.1	23.4	7.2	24.5	73.0
52.0	19.800	36.393	25.895	57.2	24.1	3.9	25.7	69.7
53.0	19.756	36.432	25.936	56.3	22.5	7.0	24.5	73.4
54.0	19.685	36.471	25.935	56.9	22.2	6.5	23.2	73.3
55.0	19.637	36.497	26.017	55.9	23.4	6.3	24.4	73.9
56.0	19.609	36.514	26.037	55.7	23.6	6.9	24.6	73.6
57.0	19.612	36.479	26.009	55.2	23.9	6.5	24.5	77.1
58.0	19.619	36.431	25.971	55.6	20.0	6.4	21.0	72.1
59.0	19.618	36.424	25.966	55.5	22.2	3.9	23.7	69.5
60.0	19.617	36.337	25.933	55.2	23.5	7.1	24.5	73.3

Station: 86
 Cruise: 8163
 Ship: GYRE
 Position: Latitude 27 53.59 N
 Longitude 93 55.37 W
 Time: Year Day Hour Minute
 1981 65 16 15

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	19.575	36.392	25.953	55.7	16.3	6.7	17.6	67.7
62.0	19.548	36.434	25.992	54.6	20.2	6.4	21.9	67.4
63.0	19.530	36.455	26.013	54.6	18.2	6.2	19.2	71.1
64.0	19.496	36.457	26.023	54.6	18.8	5.9	19.7	72.6
65.0	19.493	36.424	25.999	53.2	19.8	7.1	21.0	70.3
66.0	19.483	36.417	25.996	53.6	18.7	7.2	20.1	69.1
67.0	19.484	36.387	25.973	53.5	16.5	7.5	18.1	65.6
68.0	19.472	36.345	25.944	54.0	13.4	9.5	16.4	54.3
69.0	19.435	36.357	25.963	53.0	19.1	9.8	21.5	62.3
70.0	19.361	36.415	26.027	53.3	17.1	9.1	18.9	64.5
71.0	19.335	36.412	26.031	53.1	15.9	8.6	17.6	60.7
72.0	19.287	36.432	26.059	52.0	10.8	5.2	12.0	64.0
73.0	19.232	36.428	26.057	51.0	13.2	6.7	15.3	56.6
74.0	19.279	36.415	26.047	52.2	7.7	6.8	10.3	48.3
75.0	19.275	36.391	26.030	51.7	9.9	5.9	11.5	59.0
76.0	19.260	36.381	26.026	52.2	10.8	6.9	12.3	57.3
77.0	19.246	36.367	26.019	51.9	11.2	6.9	14.3	51.6
78.0	19.194	36.324	26.000	51.7	12.0	7.3	14.4	56.9
79.0	19.081	36.314	26.022	51.4	14.2	6.7	15.7	64.7
80.0	18.963	36.374	26.098	50.9	16.2	6.2	18.1	63.0
81.0	18.933	36.391	26.119	50.2	16.2	7.4	17.8	65.5
82.0	18.913	36.317	26.068	49.3	19.5	7.7	20.9	63.4
83.0	18.824	36.255	26.043	48.7	12.3	6.9	14.5	61.7
84.0	18.457	36.471	26.301	47.2	16.5	7.1	18.0	66.7
85.0	18.406	36.442	26.291	46.4	14.4	7.6	16.3	62.2
86.0	18.337	36.433	26.302	45.5	16.6	8.3	18.8	62.1
87.0	18.321	36.372	26.260	45.4	8.1	4.7	9.4	59.6
88.0	18.300	36.362	26.257	45.1	14.1	7.1	15.7	63.3
89.0	18.290	36.381	26.274	44.9	13.1	10.1	16.6	52.4
90.0	18.270	36.377	26.276	45.5	21.3	10.2	23.6	64.5

Station: 98
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 52.00 N
 Longitude 93 35.48 W
 Time: Year Day Hour Minute
 1981 65 17 42

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.572	36.354	25.659	60.2	37.0	34.6	50.8	46.8
2.0	20.564	36.347	25.655	60.4	27.9	38.6	47.8	35.7
3.0	20.560	36.350	25.659	60.3	34.2	40.2	52.8	40.4
4.0	20.543	36.373	25.681	60.4	38.2	41.6	56.5	42.5
5.0	20.566	36.354	25.660	60.3	34.1	41.4	53.6	39.4
6.0	20.570	36.352	25.657	60.2	37.7	43.0	57.2	41.2
7.0	20.562	36.361	25.667	60.2	39.6	44.0	59.1	42.0
8.0	20.568	36.358	25.663	60.2	38.2	43.4	57.8	41.4
9.0	20.572	36.356	25.661	60.6	37.1	42.0	56.0	41.4
10.0	20.574	36.346	25.653	59.8	42.4	42.5	60.1	43.0
11.0	20.548	36.355	25.666	60.6	40.5	36.9	54.8	47.7
12.0	20.538	36.357	25.673	60.0	41.1	37.4	55.6	47.7
13.0	20.508	36.365	25.684	59.9	41.8	38.0	56.5	47.7
14.0	20.504	36.362	25.683	59.6	39.8	39.0	55.7	45.6
15.0	20.500	36.357	25.681	59.2	41.1	35.9	54.6	48.8
16.0	20.493	36.358	25.683	59.2	42.6	40.5	58.3	46.4
17.0	20.482	36.364	25.690	59.9	40.8	38.9	56.4	46.4
18.0	20.466	36.366	25.697	59.3	41.4	36.1	54.9	48.9
19.0	20.454	36.369	25.702	58.6	39.7	37.6	54.7	46.5
20.0	20.443	36.372	25.707	58.8	40.4	37.0	54.8	47.5
21.0	20.434	36.367	25.706	59.7	44.6	37.7	58.8	49.8
22.0	20.411	36.366	25.711	59.7	40.4	34.8	53.3	49.2
23.0	20.387	36.376	25.726	58.5	36.6	33.6	49.7	47.5
24.0	20.379	36.368	25.721	59.1	38.9	32.7	50.9	49.9
25.0	20.370	36.365	25.722	59.0	39.6	33.1	51.6	50.1
26.0	20.353	36.368	25.727	59.0	33.9	33.3	47.5	45.5
27.0	20.353	36.368	25.725	58.9	36.9	30.3	47.8	50.6
28.0	20.332	36.368	25.734	58.2	35.2	32.2	47.7	47.5
29.0	20.319	36.376	25.743	58.2	32.6	30.5	44.6	47.0
30.0	20.302	36.378	25.750	58.4	34.2	30.2	45.7	48.5
31.0	20.290	36.378	25.749	58.8	33.4	28.7	44.0	49.4
32.0	20.277	36.375	25.754	58.8	32.6	27.1	42.4	50.2
33.0	20.269	36.375	25.757	58.7	31.2	26.7	41.1	49.5
34.0	20.264	36.381	25.762	58.1	31.2	26.1	40.7	50.1
35.0	20.260	36.367	25.753	58.7	31.8	27.2	41.8	49.4
36.0	20.251	36.366	25.754	58.4	28.7	24.8	37.9	49.2
37.0	20.239	36.351	25.746	58.2	30.4	25.0	39.3	50.5
38.0	20.157	36.363	25.777	58.1	29.1	23.0	37.1	51.7
39.0	20.089	36.390	25.816	58.0	26.7	21.7	34.4	50.9
40.0	20.041	36.385	25.825	58.1	24.6	20.7	32.2	50.0
41.0	20.019	36.384	25.830	58.6	24.7	21.7	32.9	48.7
42.0	19.980	36.387	25.842	59.3	24.2	22.3	32.9	47.4
43.0	19.922	36.412	25.877	59.1	26.2	20.8	33.4	51.6
44.0	19.868	36.416	25.894	60.2	23.1	19.8	30.4	49.3
45.0	19.811	36.434	25.923	60.1	22.5	19.2	29.6	49.6
46.0	19.811	36.412	25.906	60.3	21.7	18.9	28.8	48.9
47.0	19.809	36.429	25.919	60.4	22.2	18.0	28.6	50.9
48.0	19.799	36.460	25.946	60.8	21.9	18.2	28.5	50.2
49.0	19.788	36.466	25.953	61.2	21.8	18.5	28.5	49.7
50.0	19.777	36.475	25.963	61.7	22.2	17.8	28.5	51.3
51.0	19.770	36.480	25.968	61.2	21.9	16.1	27.2	53.6
52.0	19.767	36.482	25.933	61.3	21.7	17.0	27.6	52.0
53.0	19.763	36.376	25.892	61.3	21.1	15.7	26.3	53.4
54.0	19.764	36.355	25.875	60.5	21.3	14.3	25.7	56.1
55.0	19.764	36.358	25.877	60.3	19.7	14.5	24.5	53.6
56.0	19.750	36.352	25.877	59.9	20.9	14.9	25.7	54.5
57.0	19.745	36.345	25.873	60.4	19.7	13.7	24.0	55.2
58.0	19.739	36.340	25.870	59.8	20.9	15.1	25.8	54.1
59.0	19.737	36.335	25.867	59.9	19.9	14.0	24.3	54.8
60.0	19.728	36.331	25.866	59.9	21.7	16.0	26.9	53.6

Station: 99
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 52.00 N
 Longitude 93 35.48 W
 Time: Year Day Hour Minute
 1981 65 17 42

Depth m	Temp deg C	Sal Ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	19.712	36.322	25.872	59.3	22.9	14.9	27.3	57.0
62.0	19.709	36.322	25.870	59.6	19.2	13.9	23.7	54.1
63.0	19.706	36.325	25.867	59.2	22.6	14.9	27.1	56.5
64.0	19.699	36.323	25.868	57.5	21.3	14.4	26.1	56.6
65.0	19.676	36.326	25.864	57.5	20.7	12.9	24.4	58.1
66.0	19.653	36.357	25.891	57.4	19.9	11.4	22.9	60.2
67.0	19.630	36.337	25.897	57.4	20.2	9.8	22.5	64.0
68.0	19.616	36.341	25.903	57.3	12.7	7.7	14.3	58.3
69.0	19.601	36.340	25.906	58.3	17.0	9.0	19.3	62.0
70.0	19.569	36.351	25.923	58.3	16.6	7.4	18.1	63.9
71.0	19.543	36.366	25.941	58.3	14.6	7.1	16.3	64.0
72.0	19.532	36.364	25.943	57.3	17.3	6.9	13.7	68.4
73.0	19.524	36.364	25.945	58.1	12.5	6.0	13.9	64.5
74.0	19.519	36.364	25.946	58.0	16.3	6.9	17.7	66.9
75.0	19.511	36.373	25.955	57.3	11.3	4.5	12.2	68.1
76.0	19.476	36.393	25.983	57.9	11.2	3.6	12.5	63.5
77.0	19.456	36.400	25.990	57.3	14.6	6.5	16.0	66.1
78.0	19.448	36.393	25.979	57.6	10.6	4.8	11.7	65.6
79.0	19.444	36.350	25.955	57.2	14.6	6.7	16.0	65.3
80.0	19.393	36.376	25.933	57.2	13.3	5.6	14.4	67.2
81.0	19.378	36.394	26.006	56.5	16.0	6.9	18.3	61.0
82.0	19.361	36.391	26.003	56.7	12.9	7.4	14.9	60.1
83.0	19.234	36.464	26.096	57.4	15.5	8.8	17.3	60.4
84.0	19.173	36.422	26.030	56.3	14.9	8.7	17.2	59.6
85.0	19.122	36.389	26.069	55.7	12.3	7.2	14.2	59.7
86.0	19.090	36.336	26.036	54.2	14.3	8.7	17.2	59.6
87.0	19.012	36.313	26.039	53.5	18.0	7.3	19.4	68.0
88.0	18.870	36.357	26.109	51.9	16.3	7.4	17.9	65.6
89.0	18.739	36.419	26.190	51.5	14.1	7.6	16.0	61.4
90.0	18.609	36.435	26.273	51.1	11.3	7.9	14.2	56.2
91.0	18.502	36.457	26.279	50.2	14.5	8.7	16.9	58.9
92.0	18.337	36.513	26.363	51.4	8.8	6.8	10.0	61.5
93.0	18.241	36.506	26.382	51.0	8.8	5.5	8.8	55.1
94.0	18.197	36.495	26.384	52.0	13.3	9.6	16.3	55.1
95.0	18.135	36.429	26.333	52.4	9.2	6.2	11.1	55.7
96.0	18.174	36.520	26.410	52.1	11.4	7.6	13.7	56.1
97.0	18.159	36.514	26.409	52.3	5.2	5.5	7.2	46.2
98.0	18.153	36.444	26.356	52.1	6.4	5.1	8.2	51.4
99.0	18.153	36.414	26.333	51.8	7.1	6.3	9.3	46.5
100.0	18.136	36.395	26.323	51.3	9.6	5.5	12.3	43.6
101.0	18.108	36.385	26.323	51.7	6.0	5.5	8.2	47.3
102.0	18.093	36.371	26.316	52.1	10.0	7.3	12.7	52.2
103.0	18.085	36.364	26.312	51.6	11.5	7.3	13.6	57.7
104.0	18.075	36.371	26.320	52.0	13.6	8.1	15.3	59.4
105.0	18.066	36.365	26.318	51.3	4.3	7.6	8.9	32.1
106.0	18.055	36.334	26.297	51.2	7.2	7.2	10.1	44.9
107.0	18.033	36.311	26.283	50.1	10.3	9.0	13.6	43.9
108.0	17.984	36.331	26.312	46.3	11.5	11.0	13.6	43.0
109.0	17.946	36.346	26.333	45.7	11.4	9.3	15.0	49.3
110.0	17.908	36.363	26.359	45.1	11.2	8.4	14.0	53.1
111.0	17.891	36.369	26.364	44.0	7.9	10.9	13.4	36.0
112.0	17.872	36.367	26.367	43.1	9.2	8.3	12.3	46.2
113.0	17.872	36.357	26.360	42.3	12.4	11.5	16.9	47.3
114.0	17.869	36.357	26.361	41.3	14.0	11.6	18.2	50.5
115.0	17.863	36.353	26.359	40.9	12.0	9.5	15.3	51.7
116.0	17.853	36.352	26.361	39.5	7.5	9.5	12.1	33.2
117.0	17.849	36.352	26.362	38.8	11.7	9.5	15.0	51.1
118.0	17.839	36.353	26.365	38.0	5.1	10.3	11.5	23.2
119.0	17.835	36.361	26.372	37.5	12.8	10.4	16.5	50.3
120.0	17.832	36.354	26.367	36.3	7.7	12.9	15.0	30.6

Station: 96
Cruise : 81-G-3
Ship : GYRE
Position: Latitude 27 52.00 N
Longitude 93 35.48 W
Time: Year Day Hour Minute
1981 65 17 42

Depth	Temp	Sal	Sigma-t	Trans	u	v	Speed	Dirac
m	deg C	prt	kg/cu m	%/m	cm/s	cm/s	cm/s	deg

Station: 108
 Cruise : 61-G-3
 Ship : GYRE
 Position: Latitude 27 54.75 N
 Longitude 93 37.76 W
 Time: Year Day Hour Minute
 1981 65 23 24

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	20.389	36.354	25.708	53.6	20.5	33.2	39.0	31.7
1.0	20.384	36.367	25.720	54.1	20.8	35.3	41.0	30.5
2.0	20.388	36.365	25.717	53.7	19.4	37.7	42.4	27.2
3.0	20.388	36.363	25.716	53.7	18.3	37.7	43.7	24.7
4.0	20.387	36.365	25.717	53.8	21.1	37.5	43.0	29.4
5.0	20.386	36.365	25.717	51.9	20.2	39.2	44.1	27.3
6.0	20.385	36.364	25.717	53.6	17.6	36.2	40.9	25.9
7.0	20.380	36.361	25.716	53.8	20.0	38.8	39.0	30.6
8.0	20.378	36.360	25.716	53.8	21.1	38.7	37.9	34.4
9.0	20.363	36.367	25.725	53.9	20.2	30.4	36.5	33.6
10.0	20.355	36.363	25.728	54.2	22.0	27.4	35.1	33.7
11.0	20.353	36.357	25.720	53.1	21.8	25.5	33.6	40.6
12.0	20.337	36.364	25.730	54.2	24.0	21.9	32.9	48.2
13.0	20.317	36.351	25.725	53.6	24.2	21.3	32.2	48.6
14.0	20.289	36.327	25.714	54.4	25.1	17.9	30.8	54.5
15.0	20.211	36.353	25.753	54.3	25.3	18.6	31.8	54.2
16.0	20.155	36.360	25.776	53.6	26.6	12.0	29.2	65.7
17.0	20.113	36.363	25.791	53.8	27.3	14.6	31.0	61.3
18.0	20.091	36.395	25.819	53.9	27.6	9.6	29.2	70.8
19.0	20.082	36.383	25.814	53.5	26.8	13.7	30.1	62.9
20.0	20.070	36.381	25.814	53.6	23.9	7.4	29.8	75.5
21.0	20.051	36.391	25.826	54.2	27.5	9.6	29.1	70.7
22.0	20.035	36.403	25.841	54.7	28.9	8.5	30.2	73.5
23.0	20.024	36.413	25.855	54.5	26.5	7.8	27.6	73.6
24.0	20.017	36.381	25.828	54.7	25.1	11.5	27.6	65.3
25.0	20.010	36.373	25.824	54.9	23.6	15.2	28.1	57.2
26.0	20.006	36.376	25.827	54.8	30.3	6.9	31.5	77.4
27.0	20.003	36.375	25.827	54.7	28.8	9.2	30.2	72.2
28.0	20.004	36.372	25.825	55.1	29.9	9.4	29.5	68.4
29.0	20.004	36.367	25.821	55.0	28.9	4.4	29.3	81.4
30.0	20.004	36.370	25.823	54.9	28.0	5.5	28.6	78.3
31.0	20.003	36.375	25.827	55.2	26.1	7.9	27.2	73.2
32.0	20.003	36.371	25.824	54.8	33.8	2.0	33.9	86.7
33.0	20.006	36.369	25.822	55.3	30.2	2.8	30.4	84.7
34.0	20.006	36.365	25.819	55.7	25.0	8.8	26.4	71.2
35.0	20.005	36.366	25.819	54.6	29.6	4.9	30.0	80.6
36.0	20.006	36.368	25.821	54.3	26.7	8.5	28.1	72.3
37.0	20.006	36.366	25.819	54.6	24.2	13.2	27.6	61.3
38.0	20.006	36.364	25.818	54.3	27.3	5.5	27.9	78.1
39.0	20.005	36.365	25.819	54.5	29.0	4.9	29.4	81.3
40.0	20.004	36.364	25.819	54.3	30.6	6.9	31.4	77.3
41.0	20.004	36.335	25.797	55.2	30.1	9.1	31.5	73.2
42.0	19.994	36.315	25.784	56.4	27.8	11.0	29.9	68.4
43.0	19.939	36.345	25.821	55.7	29.7	13.2	32.5	66.0
44.0	19.911	36.364	25.843	56.2	29.1	11.6	31.3	68.4
45.0	19.858	36.343	25.845	56.3	29.1	8.9	30.3	73.7
46.0	19.804	36.354	25.864	56.7	26.7	5.9	27.3	77.5
47.0	19.776	36.353	25.874	56.6	25.4	7.2	26.4	74.2
48.0	19.749	36.369	25.899	57.2	25.0	7.3	26.0	73.7
49.0	19.722	36.362	25.892	57.9	24.5	7.4	25.6	73.2
50.0	19.693	36.373	25.908	57.6	24.9	7.0	25.9	74.3
51.0	19.672	36.400	25.934	57.0	24.3	6.6	25.2	74.3
52.0	19.670	36.386	25.923	56.9	24.9	7.5	26.0	73.3
53.0	19.675	36.377	25.916	56.7	23.3	5.4	23.9	77.0
54.0	19.677	36.363	25.904	57.1	20.5	13.6	24.6	56.4
55.0	19.680	36.343	25.883	56.4	22.6	12.9	26.0	40.3
56.0	19.656	36.344	25.895	57.0	22.6	12.9	26.0	60.3
57.0	19.619	36.361	25.917	56.7	23.2	12.7	26.3	61.3
58.0	19.606	36.375	25.932	56.5	18.5	14.6	23.6	51.7
59.0	19.607	36.369	25.927	56.2	19.2	15.1	23.1	50.0

Station: 108
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.75 N
 Longitude 93 37.76 W
 Time: Year Day Hour Minute
 1981 65 23 24

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	19.610	36.367	25.924	56.7	19.4	11.0	22.3	60.6
61.0	19.598	36.363	25.925	56.0	20.4	12.7	24.0	59.2
62.0	19.572	36.367	25.934	55.9	19.0	14.1	23.6	58.5
63.0	19.568	36.369	25.937	55.8	15.7	14.7	21.5	47.0
64.0	19.555	36.373	25.945	56.0	18.5	15.7	24.2	49.7
65.0	19.551	36.372	25.944	55.8	18.3	15.0	23.7	50.6
66.0	19.545	36.382	25.953	56.1	16.9	16.6	23.5	45.3
67.0	19.547	36.384	25.954	56.4	17.8	18.3	25.5	44.1
68.0	19.537	36.379	25.953	56.0	17.7	16.6	24.3	46.9
69.0	19.533	36.370	25.947	56.3	16.7	17.1	23.9	44.2
70.0	19.534	36.365	25.943	56.1	17.1	17.9	24.8	43.8
71.0	19.532	36.366	25.945	55.5	18.1	19.9	26.6	42.3
72.0	19.532	36.366	25.944	55.8	18.4	17.5	25.4	46.4
73.0	19.530	36.364	25.943	56.3	19.9	16.8	26.0	49.9
74.0	19.528	36.366	25.945	56.9	21.4	16.0	26.7	53.2
75.0	19.530	36.361	25.941	56.3	18.5	25.1	31.2	36.4

Station: 116
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 55.92 N
 Longitude 93 37.89 W
 Time: Year Day Hour Minute
 1981 66 0 3

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.910	36.969	25.786	55.6	30.1	31.8	43.7	43.4
2.0	20.915	36.966	25.787	55.0	31.0	31.8	44.4	44.3
3.0	20.914	36.965	25.786	55.4	24.5	33.6	41.6	36.1
4.0	20.913	36.966	25.787	55.5	28.3	33.1	43.6	40.6
5.0	20.913	36.967	25.789	55.9	30.9	35.8	47.9	40.8
6.0	20.913	36.967	25.789	55.1	30.9	40.1	52.4	40.2
7.0	20.913	36.967	25.789	54.4	26.5	42.2	55.8	40.8
8.0	20.911	36.967	25.789	55.5	36.0	44.1	56.9	39.2
9.0	20.909	36.968	25.786	55.2	36.2	46.9	59.9	37.7
10.0	20.906	36.968	25.788	55.1	36.2	43.5	57.8	41.2
11.0	20.885	36.971	25.749	55.2	39.9	44.4	58.6	40.8
12.0	20.885	36.969	25.747	55.2	39.9	43.7	59.1	42.4
13.0	20.884	36.969	25.736	55.1	37.9	40.0	54.7	43.0
14.0	20.860	36.967	25.730	55.1	37.7	41.1	55.8	42.5
15.0	20.173	36.980	25.768	55.9	37.1	37.4	52.7	44.7
16.0	20.114	36.973	25.796	55.1	39.7	38.6	55.4	45.8
17.0	20.071	36.406	25.832	55.3	37.7	39.9	54.5	44.0
18.0	20.027	36.411	25.849	55.3	37.8	36.9	54.1	46.9
19.0	19.987	36.417	25.864	55.6	34.4	37.8	51.1	42.3
20.0	19.975	36.422	25.870	55.9	37.0	36.9	52.3	45.1
21.0	19.970	36.405	25.858	55.9	34.7	39.9	49.9	44.0
22.0	19.964	36.386	25.853	55.8	32.9	34.1	47.4	44.0
23.0	19.963	36.398	25.855	55.4	33.8	31.3	46.1	47.2
24.0	19.960	36.388	25.848	55.1	33.0	31.1	49.1	50.7
25.0	19.959	36.381	25.844	55.8	36.8	34.4	44.4	48.2
26.0	19.957	36.375	25.839	55.6	36.0	39.9	44.3	48.2
27.0	19.956	36.372	25.837	55.9	32.7	30.2	44.5	47.3
28.0	19.956	36.372	25.837	55.6	30.1	30.1	42.6	45.8
29.0	19.954	36.370	25.836	55.7	31.2	27.8	43.1	46.3
31.0	19.952	36.368	25.835	55.7	31.8	28.0	42.3	48.6
32.0	19.946	36.370	25.839	55.7	34.5	28.4	44.7	50.6
33.0	19.945	36.373	25.841	55.8	34.1	30.7	45.1	47.1
34.0	19.943	36.373	25.842	55.8	33.2	27.8	44.9	51.9
35.0	19.944	36.368	25.838	55.7	33.4	28.1	43.7	49.9
36.0	19.939	36.349	25.825	55.2	31.4	27.3	41.6	49.0
37.0	19.919	36.349	25.829	55.8	31.8	26.4	44.4	53.6
38.0	19.880	36.371	25.836	55.7	35.0	27.0	44.2	53.4
39.0	19.869	36.347	25.841	55.8	34.4	23.6	41.7	55.6
40.0	19.855	36.318	25.823	55.8	37.7	23.4	44.4	58.2
41.0	19.772	36.344	25.865	55.8	33.7	21.8	40.1	57.1
42.0	19.687	36.369	25.906	55.4	33.6	27.2	47.2	54.8
43.0	19.630	36.390	25.937	55.4	31.7	22.9	39.1	54.1
44.0	19.602	36.385	25.948	55.3	33.2	23.3	42.2	56.5
45.0	19.595	36.387	25.944	55.9	33.8	22.4	39.7	55.6
46.0	19.575	36.364	25.946	55.7	33.0	24.9	41.3	52.9
47.0	19.564	36.367	25.939	55.0	31.6	23.3	39.3	53.4
48.0	19.551	36.357	25.933	55.4	34.6	22.4	41.3	56.9
49.0	19.522	36.381	25.958	55.3	30.1	24.5	38.8	50.8
50.0	19.522	36.387	25.963	55.8	30.3	26.1	40.0	49.3
51.0	19.521	36.379	25.957	55.8	30.6	27.6	41.2	47.9
52.0	19.500	36.380	25.963	55.1	31.2	26.9	41.2	49.2
53.0	19.486	36.385	25.971	55.7	31.5	30.2	44.4	47.1
54.0	19.486	36.381	25.967	55.7	29.6	30.5	42.5	44.1
55.0	19.490	36.372	25.960	55.7	29.7	30.4	42.5	44.3
56.0	19.489	36.373	25.961	55.7	27.3	30.1	41.0	42.7
57.0	19.490	36.378	25.965	55.6	27.8	29.8	41.2	43.7
58.0	19.489	36.371	25.959	55.6	29.2	31.1	42.7	43.2
59.0	19.476	36.379	25.969	55.6	27.9	32.4	42.7	40.7
60.0	19.469	36.386	25.976	55.0	28.9	34.5	45.0	40.0

Station: 115
 Cruise : S1-G-3
 Ship : GYRE
 Position: Latitude 27 55.92 N
 Longitude 93 37.89 W
 Time: Year Day Hour Minute
 1951 66 0 3

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	19.454	36.382	25.977	53.5	26.7	33.9	43.1	38.3
62.0	19.452	36.340	25.945	52.2	27.6	35.6	45.1	37.8
63.0	19.353	36.362	26.003	51.0	27.7	34.5	44.2	38.8
64.0	19.328	36.388	26.015	51.8	29.1	37.0	47.0	38.2
65.0	19.316	36.384	26.014	51.1	25.1	36.6	44.4	34.4
66.0	19.295	36.389	26.023	51.5	25.9	35.4	43.9	36.3
67.0	19.295	36.366	26.006	51.4	27.1	34.9	44.2	37.8
68.0	19.263	36.379	26.025	50.9	27.3	34.8	44.3	38.1
69.0	19.244	36.374	26.025	49.7	23.1	36.2	42.9	32.6
70.0	19.227	36.366	26.024	49.1	26.4	33.6	42.7	38.1
71.0	19.201	36.356	26.022	48.1	21.3	35.0	41.0	31.3
72.0	19.149	36.367	26.044	47.6	25.8	30.7	40.1	40.1
73.0	19.115	36.377	26.061	46.6	29.9	33.3	44.7	41.9
74.0	19.122	36.389	26.069	46.7	26.6	29.7	39.9	41.8
75.0	19.105	36.381	26.067	46.4	22.2	28.8	36.4	37.7
76.0	19.046	36.379	26.080	46.2	19.6	28.6	34.7	34.5
77.0	19.007	36.375	26.087	45.3	19.9	23.6	30.9	40.2
78.0	19.001	36.381	26.094	45.5	19.6	23.1	30.3	40.3
79.0	18.951	36.377	26.103	44.7	23.6	23.4	33.2	45.2

Station: 125
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.80 N
 Longitude 93 44.33 W
 Time: Year Day Hour Minute
 1981 66 2 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	19.599	36.359	25.921	50.3	25.7	53.0	58.9	25.8
2.0	19.600	36.363	25.925	49.9	16.5	53.6	60.9	15.7
3.0	19.603	36.352	25.916	50.6	29.6	64.3	70.8	24.7
4.0	19.590	36.353	25.919	49.7	35.0	69.1	77.4	26.9
5.0	19.570	36.366	25.934	49.6	35.3	63.6	72.8	29.0
6.0	19.569	36.365	25.934	49.5	32.0	61.0	68.9	27.7
7.0	19.562	36.374	25.943	48.7	32.3	64.7	72.3	26.5
8.0	19.570	36.370	25.937	49.5	29.1	58.8	65.6	26.3
9.0	19.579	36.361	25.928	48.9	25.2	60.3	65.4	22.7
10.0	19.573	36.362	25.930	49.3	21.4	59.4	63.1	19.6
11.0	19.564	36.365	25.935	49.2	19.4	60.3	63.4	17.9
12.0	19.562	36.360	25.932	49.2	20.2	58.5	61.9	19.1
13.0	19.540	36.371	25.946	49.4	14.8	56.6	58.5	14.7
14.0	19.532	36.362	25.941	49.0	15.2	59.2	61.1	14.4
15.0	19.467	36.394	25.982	48.9	12.6	55.5	56.9	12.8
16.0	19.430	36.400	25.997	48.7	9.3	55.4	56.2	10.0
17.0	19.419	36.386	25.989	48.7	10.7	49.2	50.4	12.3
18.0	19.418	36.373	25.979	48.9	10.0	49.2	50.0	11.6
19.0	19.416	36.375	25.982	48.4	8.9	47.5	48.3	10.7
20.0	19.415	36.377	25.984	48.3	8.4	44.4	45.2	10.7
21.0	19.415	36.372	25.979	47.8	3.0	47.3	47.4	3.6
22.0	19.413	36.369	25.978	47.6	5.5	41.6	42.0	7.5
23.0	19.411	36.365	25.975	47.8	4.2	41.7	41.9	5.8
24.0	19.408	36.361	25.973	48.3	2.1	39.8	39.8	3.0
25.0	19.407	36.361	25.973	47.7	3.7	36.9	37.0	5.7
26.0	19.405	36.362	25.974	48.1	3.6	39.9	34.1	6.0
27.0	19.404	36.359	25.972	48.2	4.2	34.2	34.4	7.0
28.0	19.394	36.359	25.975	48.6	2.9	32.7	32.3	5.1
29.0	19.380	36.359	25.979	48.8	4.5	38.8	39.2	8.3
30.0	19.358	36.353	25.968	49.4	6.0	27.4	29.0	12.3
31.0	19.287	36.355	26.000	50.0	4.8	24.4	24.8	11.0
32.0	19.270	36.362	26.009	49.6	11.4	25.3	27.7	24.2
33.0	19.253	36.349	26.004	49.4	13.7	21.8	25.7	32.1
34.0	19.232	36.324	25.991	49.2	13.4	22.2	29.6	33.4
35.0	19.182	36.332	26.009	49.5	15.1	23.1	27.6	33.3
36.0	19.119	36.353	26.046	49.3	17.5	23.6	29.4	36.6
37.0	19.103	36.357	26.048	49.3	19.6	22.2	29.6	41.3
38.0	19.099	36.366	26.056	49.5	18.3	26.3	32.1	34.3
39.0	19.086	36.365	26.056	50.2	19.0	26.3	32.8	35.3
40.0	19.099	36.356	26.049	48.6	20.6	25.9	33.1	38.5
41.0	19.093	36.353	26.052	49.5	23.1	25.8	34.6	41.9
42.0	19.092	36.350	26.046	49.4	23.8	27.0	36.0	41.5
43.0	19.092	36.349	26.046	49.4	25.1	30.1	39.2	39.9
44.0	19.099	36.339	26.036	52.2	18.4	30.3	35.5	31.3
45.0	19.093	36.316	26.020	50.2	26.0	30.6	40.2	40.3
46.0	19.046	36.309	26.027	49.9	27.3	32.6	42.5	40.0
47.0	18.963	36.350	26.080	50.0	28.4	33.8	44.1	40.1
48.0	18.907	36.389	26.124	49.5	31.1	34.4	46.4	42.2
49.0	18.861	36.421	26.160	49.4	35.2	33.4	43.5	46.5
50.0	18.840	36.397	26.147	49.3	36.1	32.6	43.7	47.9
51.0	18.819	36.384	26.143	49.1	37.0	31.9	43.8	49.2
52.0	18.798	36.384	26.143	49.4	38.0	32.4	50.6	48.7
53.0	18.768	36.370	26.145	49.3	37.6	31.8	49.3	49.6
54.0	18.722	36.377	26.161	49.4	38.1	31.8	49.6	50.1
55.0	18.686	36.363	26.164	49.6	36.2	31.3	48.2	48.7
56.0	18.652	36.353	26.165	49.6	36.9	29.5	47.3	51.3
57.0	18.633	36.351	26.164	49.2	35.4	30.2	46.5	49.5
58.0	18.602	36.333	26.159	49.6	33.5	30.9	45.6	47.4
59.0	18.545	36.345	26.183	49.1	33.2	30.4	45.0	47.4
60.0	18.461	36.395	26.242	48.3	30.8	33.1	45.2	43.0

Station: 125
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.80 N
 Longitude 93 44.33 W
 Time: Year Day Hour Minute
 1981 66 2 14

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
61.0	18.446	36.366	26.223	48.3	29.8	30.6	42.7	44.3
62.0	18.417	36.356	26.223	48.5	28.6	31.2	42.4	42.5
63.0	18.386	36.327	26.209	48.9	26.8	30.5	40.6	41.3
64.0	18.352	36.304	26.199	48.8	27.5	30.4	41.0	42.1
65.0	18.261	36.355	26.261	49.3	26.7	30.9	40.8	40.9
66.0	18.235	36.351	26.265	48.0	26.4	30.0	39.9	41.4
67.0	18.185	36.370	26.292	48.0	22.1	28.7	36.2	37.6
68.0	18.152	36.314	26.259	47.3	24.4	29.6	38.3	39.6
69.0	18.069	36.300	26.263	47.1	21.1	27.9	35.0	37.1
70.0	17.947	36.353	26.333	47.1	21.7	29.2	36.3	36.6
71.0	17.815	36.392	26.401	46.5	21.0	29.1	35.9	35.8
72.0	17.735	36.367	26.397	46.5	19.2	28.3	34.2	34.2
73.0	17.695	36.360	26.422	46.6	17.5	27.4	32.5	32.5
74.0	17.487	36.370	26.415	47.1	16.0	28.2	32.4	29.6
75.0	17.672	36.360	26.412	46.6	13.4	26.6	29.8	26.7
76.0	17.484	36.350	26.450	47.0	16.2	25.6	30.3	32.4
77.0	17.440	36.347	26.458	46.9	17.9	22.9	29.1	33.0
78.0	17.433	36.352	26.462	47.0	14.7	22.3	26.7	33.3
79.0	17.453	36.344	26.453	46.7	11.6	20.4	23.4	29.6
80.0	17.463	36.346	26.451	46.6	11.0	20.2	23.1	28.5
81.0	17.490	36.340	26.441	45.9	11.6	18.9	22.2	31.5
82.0	17.505	36.325	26.426	45.0	11.5	19.3	22.9	30.1
83.0	17.511	36.323	26.423	44.6	11.9	18.5	21.7	31.4
84.0	17.511	36.340	26.436	45.3	10.2	15.3	18.3	32.3
85.0	17.515	36.339	26.434	45.4	12.9	19.4	23.0	32.3
86.0	17.513	36.330	26.436	44.3	8.3	15.4	17.7	29.7
87.0	17.519	36.327	26.423	45.1	10.5	17.0	20.0	31.7
88.0	17.515	36.323	26.425	45.3	12.0	16.9	20.7	35.4
89.0	17.512	36.331	26.429	45.5	13.5	16.7	21.5	38.9
90.0	17.503	36.340	26.437	44.5	12.3	16.1	20.3	37.3
91.0	17.493	36.343	26.441	43.7	9.2	14.6	17.3	32.3
92.0	17.495	36.341	26.440	43.5	7.3	12.0	14.1	31.2
93.0	17.491	36.333	26.435	43.3	7.0	13.7	15.4	27.1
94.0	17.484	36.331	26.435	43.0	10.5	14.9	18.2	35.1
95.0	17.476	36.332	26.438	43.3	9.0	11.6	14.6	37.9
96.0	17.474	36.336	26.442	42.4	11.3	13.8	17.9	39.3
97.0	17.466	36.337	26.444	41.5	13.5	14.0	19.4	44.0

Station: 1W
 Cruise : 51-G-3
 Ship : GYRE
 Position: Latitude 27 50.23 N
 Longitude 93 45.88 W
 Time: Year Day Hour Minute
 1981 66 5 58

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
4.0	20.200	36.378	25.777	54.8	75.9	7.9	76.3	84.1
5.0	20.200	36.382	25.780	55.0	66.5	14.1	68.0	78.1
6.0	20.205	36.382	25.779	55.2	72.8	16.1	74.6	77.6
7.0	20.212	36.378	25.774	54.9	69.2	16.3	71.1	76.8
8.0	20.216	36.373	25.769	54.8	68.4	18.6	70.8	74.8
9.0	20.214	36.371	25.768	54.5	67.9	15.4	69.7	77.2
10.0	20.211	36.375	25.772	54.4	67.9	19.5	70.6	74.0
11.0	20.212	36.375	25.772	54.5	65.5	19.4	68.3	73.5
12.0	20.209	36.375	25.773	54.9	69.3	20.7	72.3	73.4
13.0	20.207	36.378	25.775	54.6	64.7	20.5	67.9	72.4
14.0	20.206	36.381	25.778	55.2	66.5	21.0	69.7	72.5
15.0	20.209	36.379	25.776	54.8	64.4	19.7	67.3	73.0
16.0	20.209	36.370	25.769	54.6	64.2	20.2	67.3	72.5
17.0	20.205	36.381	25.740	54.0	64.2	19.5	67.1	73.1
18.0	20.095	36.359	25.791	53.7	62.1	15.8	64.0	75.7
19.0	19.992	36.397	25.847	53.9	61.0	18.5	63.7	73.2
20.0	19.935	36.419	25.878	52.8	64.1	17.2	66.3	75.0
21.0	19.907	36.422	25.888	52.7	61.6	17.7	64.0	74.0
22.0	19.889	36.409	25.888	52.6	60.6	17.6	63.1	73.8
23.0	19.870	36.401	25.882	52.5	59.6	17.5	62.1	73.6
24.0	19.860	36.394	25.879	52.9	61.1	16.9	63.4	74.5
25.0	19.854	36.391	25.879	52.4	63.5	15.3	65.3	76.4
26.0	19.854	36.391	25.879	52.1	58.5	16.6	61.3	74.3
27.0	19.850	36.381	25.872	52.0	60.5	14.3	62.2	76.7
28.0	19.843	36.385	25.877	52.8	57.0	15.9	59.2	74.4
29.0	19.831	36.392	25.886	52.3	58.2	15.1	60.1	75.5
30.0	19.827	36.383	25.880	52.6	56.6	14.9	57.4	75.6
31.0	19.826	36.379	25.877	52.8	54.6	13.5	57.6	76.5
32.0	19.821	36.377	25.877	52.9	55.1	13.9	56.6	76.4
33.0	19.813	36.381	25.882	52.7	55.2	13.1	56.7	76.7
34.0	19.809	36.384	25.885	52.7	54.4	13.2	55.8	76.3
35.0	19.809	36.382	25.883	52.4	53.7	13.9	55.4	75.5
36.0	19.808	36.373	25.877	52.5	51.2	14.9	53.2	74.5
37.0	19.805	36.370	25.875	52.3	53.5	12.9	56.4	76.8
38.0	19.801	36.366	25.874	52.5	52.0	13.1	54.1	76.0
39.0	19.798	36.365	25.873	52.8	54.6	11.1	55.7	78.5
40.0	19.792	36.368	25.878	52.9	52.0	12.1	53.3	76.9
41.0	19.791	36.363	25.874	52.5	55.3	9.7	56.1	80.0
42.0	19.781	36.368	25.881	52.7	52.7	10.3	53.7	79.0
43.0	19.774	36.372	25.886	52.5	55.0	10.6	56.0	79.1
44.0	19.767	36.359	25.878	52.0	54.5	9.7	55.3	79.9
45.0	19.761	36.343	25.867	52.6	54.6	8.0	55.2	81.6
46.0	19.715	36.369	25.898	52.7	51.8	8.3	52.5	80.9
47.0	19.693	36.372	25.907	52.4	52.4	7.4	52.9	81.9
48.0	19.671	36.359	25.902	52.1	52.0	6.6	53.4	82.9
49.0	19.650	36.344	25.896	52.8	53.6	5.7	53.9	83.9
50.0	19.603	36.365	25.925	52.9	52.4	5.1	52.6	84.5
51.0	19.579	36.375	25.939	52.9	51.2	6.9	51.7	82.3
52.0	19.573	36.374	25.940	52.0	49.0	6.8	49.5	82.1
53.0	19.567	36.356	25.935	52.3	48.5	6.5	49.0	82.3
54.0	19.557	36.365	25.937	52.1	48.2	6.0	48.6	82.9
55.0	19.553	36.349	25.941	52.1	50.3	5.8	50.6	83.4
56.0	19.552	36.364	25.937	51.0	49.6	5.6	49.9	83.5
57.0	19.546	36.359	25.935	51.2	50.4	6.4	50.8	82.7
58.0	19.537	36.363	25.941	50.7	50.5	6.8	51.0	82.4
59.0	19.529	36.356	25.945	50.6	49.0	7.0	49.5	81.9
60.0	19.529	36.342	25.927	50.7	48.1	8.5	48.8	80.0
61.0	19.491	36.339	25.934	51.3	46.4	5.9	46.8	82.8
62.0	19.421	36.372	25.978	51.7	46.6	5.7	46.9	83.1
63.0	19.394	36.356	25.973	51.4	45.2	6.2	45.6	82.2

Station: 1W
 Cruise : 81-G-3
 Ship : OYRE
 Position: Latitude 27 50.23 N
 Longitude 93 45.58 W
 Time: Year Day Hour Minute
 1981 66 5 58

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
64.0	19.355	36.350	25.978	50.1	48.2	3.7	48.4	95.6
65.0	19.358	36.348	25.977	50.5	48.5	3.2	48.9	95.3
66.0	19.298	36.373	26.010	49.8	48.3	2.1	48.3	97.5
67.0	19.299	36.368	26.007	50.4	44.1	4.3	44.4	84.4
68.0	19.303	36.390	26.976	50.5	42.9	2.8	42.4	86.3
69.0	19.198	36.387	26.049	49.5	38.4	5.1	38.7	82.5
70.0	19.148	36.364	26.043	49.4	38.6	5.1	38.9	82.5
71.0	19.051	36.350	26.057	49.0	40.6	6.5	41.1	80.9
72.0	18.950	36.347	26.080	49.0	40.7	6.4	41.2	81.1
73.0	18.850	36.379	26.131	49.1	40.8	6.2	41.2	81.3
74.0	18.828	36.350	26.116	49.3	41.2	7.5	41.9	79.7
75.0	18.726	36.368	26.154	48.7	42.3	8.0	42.1	79.3
76.0	18.657	36.392	26.190	49.0	38.3	7.0	38.9	77.3
77.0	18.625	36.372	26.180	49.0	42.1	8.2	42.9	79.0
78.0	18.605	36.384	26.197	49.1	38.3	7.1	39.0	79.5
79.0	18.568	36.409	26.225	48.8	39.6	8.7	40.5	77.6
80.0	18.544	36.435	26.252	48.8	39.3	8.3	39.1	80.0
81.0	18.531	36.449	26.265	48.6	37.6	8.2	38.5	77.7
82.0	18.487	36.440	26.269	48.6	37.9	8.8	38.8	77.8
83.0	18.397	36.462	26.309	48.8	38.3	8.7	39.0	77.1
84.0	18.303	36.504	26.365	47.9	36.0	10.0	37.6	74.7
85.0	18.264	36.516	26.384	48.2	36.1	10.1	37.5	74.4
86.0	18.242	36.463	26.347	48.2	37.2	11.4	38.9	73.0
87.0	18.230	36.467	26.354	47.9	34.7	11.1	36.4	72.2
88.0	18.225	36.465	26.354	47.2	36.6	11.0	38.2	73.3
89.0	18.217	36.404	26.310	47.8	37.1	10.1	38.5	74.7
90.0	18.208	36.372	26.288	48.0	34.9	11.2	36.6	72.2
91.0	18.198	36.355	26.277	47.4	38.9	12.9	40.9	71.6
92.0	18.170	36.363	26.291	47.4	38.1	12.8	40.2	71.5
93.0	18.142	36.375	26.307	47.4	37.3	12.6	39.4	71.5
94.0	18.098	36.390	26.329	46.6	37.5	11.5	39.2	72.9
95.0	18.055	36.397	26.345	46.6	37.2	11.3	38.9	73.0
96.0	18.001	36.373	26.340	46.4	36.5	11.7	38.3	72.3
97.0	17.947	36.348	26.334	46.3	35.8	12.0	37.7	71.5
98.0	17.892	36.347	26.346	46.0	39.7	10.9	41.2	74.7
99.0	17.831	36.340	26.357	45.9	37.9	9.6	38.9	77.2
100.0	17.714	36.325	26.397	44.8	39.9	8.3	39.9	78.0
101.0	17.664	36.325	26.387	45.5	34.4	7.6	35.2	77.5
102.0	17.613	36.325	26.376	45.2	36.7	8.6	37.7	76.7
103.0	17.527	36.306	26.405	45.5	39.9	8.0	34.8	75.7
104.0	17.442	36.333	26.447	45.2	34.1	7.4	34.9	77.6
105.0	17.400	36.336	26.460	45.6	36.6	9.1	34.8	74.8
106.0	17.377	36.332	26.462	46.2	32.6	6.8	33.3	78.2
107.0	17.367	36.309	26.447	46.6	31.8	12.4	34.1	68.3
108.0	17.342	36.262	26.417	47.7	27.7	10.6	29.7	69.1
109.0	17.280	36.287	26.451	47.4	30.1	10.3	31.8	71.2
110.0	17.215	36.334	26.503	48.8	28.1	1.1	28.3	87.7
111.0	17.121	36.332	26.563	49.5	26.2	10.7	29.3	67.3
112.0	17.121	36.347	26.536	49.4	24.1	10.1	26.2	67.3
113.0	17.126	36.310	26.506	48.3	25.8	10.3	29.0	67.4
114.0	17.090	36.343	26.540	49.4	25.9	8.1	27.2	72.6
115.0	17.043	36.351	26.553	50.2	25.1	9.6	26.9	69.1
116.0	17.041	36.302	26.521	51.5	23.1	6.3	29.0	76.3
117.0	16.986	36.272	26.511	51.4	25.5	8.3	26.8	71.9
118.0	16.910	36.274	26.530	51.2	25.2	8.0	26.5	72.3
119.0	16.833	36.308	26.575	51.0	25.0	7.7	26.1	72.3
120.0	16.752	36.355	26.630	51.1	25.0	7.4	26.0	73.5
121.0	16.627	36.419	26.709	51.1	21.6	8.9	23.4	67.7
122.0	16.582	36.384	26.693	50.3	20.6	8.5	22.3	67.7
123.0	16.555	36.333	26.660	50.1	23.0	7.0	24.0	73.0

Station: 1W
 Cruise : S1-G-3
 Ship : GYRE
 Position: Latitude 27 50.23 N
 Longitude 93 45.88 W
 Time: Year Day Hour Minute
 1981 66 5 58

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
124.0	16.547	36.373	26.693	50.1	23.9	6.8	24.8	74.1
125.0	16.541	36.311	26.646	50.2	23.6	8.0	24.9	71.1

Station: 2W
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.56 N
 Longitude 93 46.87 W
 Time: Year Day Hour Minute
 1981 66 3 15

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	19.538	36.373	25.948	48.6	38.2	18.0	42.3	64.8
2.0	19.539	36.372	25.947	48.6	35.9	21.6	41.8	59.8
3.0	19.542	36.372	25.947	48.1	33.3	26.6	42.7	51.4
4.0	19.543	36.372	25.946	48.5	37.2	20.5	42.4	51.1
5.0	19.544	36.370	25.945	48.1	37.0	25.8	45.1	55.1
6.0	19.545	36.370	25.944	48.3	33.5	28.1	46.7	50.0
7.0	19.544	36.373	25.946	49.0	33.6	26.3	42.6	52.0
8.0	19.545	36.373	25.947	48.0	32.4	27.3	42.7	49.4
9.0	19.546	36.373	25.946	48.8	30.5	27.5	39.7	50.2
10.0	19.548	36.372	25.945	48.5	35.1	25.4	42.3	54.1
11.0	19.551	36.368	25.941	48.5	29.9	20.0	39.0	50.2
12.0	19.550	36.369	25.942	48.4	30.0	25.1	39.6	50.6
13.0	19.551	36.370	25.942	48.7	29.9	22.1	39.7	50.3
14.0	19.552	36.369	25.942	48.1	28.5	25.4	38.2	48.6
15.0	19.549	36.370	25.943	48.2	27.0	21.2	34.4	51.9
16.0	19.544	36.374	25.948	48.1	28.9	22.2	36.5	52.5
17.0	19.546	36.372	25.946	47.9	28.0	19.9	34.4	54.5
18.0	19.547	36.371	25.944	47.7	27.5	18.8	33.4	55.6
19.0	19.544	36.372	25.946	47.2	26.6	20.7	33.7	55.1
20.0	19.541	36.371	25.946	48.1	23.7	18.9	27.5	59.5
21.0	19.536	36.371	25.947	48.2	24.1	13.2	27.5	61.4
22.0	19.532	36.371	25.948	48.3	24.6	12.4	27.5	63.3
23.0	19.527	36.371	25.949	48.4	25.1	11.6	27.6	65.1
24.0	19.522	36.370	25.950	48.5	25.5	10.9	27.7	66.9
25.0	19.516	36.368	25.950	48.6	26.0	10.1	27.9	68.8
26.0	19.513	36.363	25.947	48.7	26.5	9.3	28.1	70.6
27.0	19.508	36.359	25.947	48.0	24.9	11.1	27.3	65.9
28.0	19.482	36.356	25.950	47.9	20.3	9.4	22.4	65.2
29.0	19.456	36.364	25.962	47.2	22.1	9.3	24.0	67.3
30.0	19.438	36.373	25.974	46.5	24.8	7.6	26.0	73.1
31.0	19.434	36.370	25.973	46.5	25.3	6.4	26.0	75.9
32.0	19.432	36.361	25.967	47.0	24.4	4.8	24.9	79.0
33.0	19.421	36.359	25.968	46.4	24.7	4.9	25.2	78.3
34.0	19.408	36.355	25.968	46.4	24.5	2.5	24.6	84.3
35.0	19.393	36.350	25.968	46.0	27.3	2.3	27.4	85.1
36.0	19.364	36.352	25.977	45.6	25.3	0.5	25.3	88.9
37.0	19.330	36.353	25.987	45.0	28.1	0.2	28.1	88.2
38.0	19.301	36.331	25.978	45.6	26.7	-0.3	26.7	90.7
39.0	19.283	36.340	26.003	45.2	27.4	-1.9	27.4	91.8
40.0	19.151	36.325	26.012	45.0	24.7	-1.5	24.7	93.5
41.0	19.073	36.322	26.030	45.1	22.7	-2.8	22.9	97.1
42.0	18.943	36.348	26.083	47.1	24.7	-2.4	24.9	95.6
43.0	18.791	36.396	26.159	47.5	27.8	-2.7	27.9	95.6
44.0	18.731	36.382	26.156	47.9	23.9	-1.3	24.0	94.3
45.0	18.718	36.361	26.151	48.3	24.7	-1.5	24.7	91.0
46.0	18.646	36.380	26.183	49.4	24.1	-1.6	24.2	93.9
47.0	18.536	36.443	26.259	50.1	24.3	-3.2	24.5	97.6
48.0	18.495	36.442	26.269	49.6	24.7	-3.3	24.9	96.5
49.0	18.432	36.442	26.285	50.1	24.8	-5.3	25.4	102.0
50.0	18.395	36.449	26.300	50.2	24.9	-4.8	25.4	100.3
51.0	18.357	36.441	26.303	50.2	25.0	-4.2	25.4	99.5
52.0	18.321	36.440	26.311	50.2	23.3	-3.2	23.5	97.3
53.0	18.306	36.446	26.320	49.1	24.5	-2.3	24.7	95.3
54.0	18.299	36.429	26.308	49.6	22.6	-4.0	22.9	100.0
55.0	18.293	36.418	26.302	49.0	24.7	-2.4	24.8	95.5
56.0	18.289	36.409	26.296	48.5	22.7	-2.1	22.8	95.4
57.0	18.283	36.400	26.289	48.2	24.3	-2.1	24.4	94.8
58.0	18.287	36.390	26.282	48.9	24.1	-1.7	24.1	91.6
59.0	18.272	36.403	26.295	47.8	24.5	.5	24.5	88.3
60.0	18.262	36.390	26.288	48.3	24.6	-1.4	24.6	91.0

Station: 2W
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.56 N
 Longitude 93 46.87 W
 Time: Year Day Hour Minute
 1981 66 3 15

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	18.255	36.376	26.279	47.9	24.0	2.9	24.0	87.8
62.0	18.232	36.335	26.253	47.4	24.3	2.8	24.5	88.4
63.0	18.185	36.309	26.246	46.4	23.1	4.2	23.5	79.6
64.0	18.070	36.383	26.331	46.4	23.5	1.1	23.5	87.2
65.0	18.069	36.364	26.317	46.7	21.6	1.0	21.6	87.9
66.0	18.069	36.348	26.304	47.0	23.5	3.6	23.8	81.3
67.0	18.045	36.339	26.303	46.5	20.4	2.4	20.6	89.9
68.0	17.998	36.341	26.316	46.0	23.1	3.9	23.4	80.5
69.0	17.938	36.292	26.294	45.6	22.5	3.9	22.7	82.9
70.0	17.820	36.289	26.321	44.8	22.0	3.5	22.3	80.3
71.0	17.678	36.370	26.417	45.3	21.5	3.9	21.7	81.4
72.0	17.669	36.360	26.412	45.4	21.0	2.8	21.2	82.3
73.0	17.667	36.349	26.404	46.9	20.8	2.4	20.9	89.5
74.0	17.655	36.351	26.409	45.5	22.6	5.3	23.2	76.9
75.0	17.638	36.351	26.413	45.3	20.8	4.5	21.3	77.9
76.0	17.621	36.365	26.423	45.0	19.1	3.7	19.5	79.0
77.0	17.607	36.379	26.442	44.4	17.9	2.5	18.1	82.0
78.0	17.604	36.367	26.433	44.0	16.7	3.2	17.0	79.2
79.0	17.592	36.362	26.433	43.8	14.7	2.9	14.9	78.8
80.0	17.574	36.381	26.451	43.6	15.6	2.7	15.8	80.2
81.0	17.559	36.399	26.469	42.2	12.5	2.5	12.8	78.7
82.0	17.555	36.369	26.447	41.1	16.7	2.5	16.9	81.4
83.0	17.543	36.344	26.431	41.3	15.1	3.3	15.4	77.5
84.0	17.516	36.340	26.434	40.1	15.6	4.2	16.1	74.3
85.0	17.486	36.337	26.439	39.5	15.7	4.1	16.2	75.4
86.0	17.475	36.331	26.433	39.4	13.4	2.8	13.7	73.3
87.0	17.465	36.333	26.441	39.1	16.8	4.7	17.5	74.3
88.0	17.461	36.334	26.443	39.4	16.9	2.9	17.2	80.4
89.0	17.456	36.330	26.441	39.6	14.0	3.1	14.3	77.5
90.0	17.444	36.325	26.441	39.6	14.9	2.8	15.2	79.3
91.0	17.426	36.309	26.432	39.0	12.4	3.8	12.9	73.0
92.0	17.391	36.297	26.432	39.0	14.2	3.2	14.5	77.5
93.0	17.332	36.294	26.444	39.5	15.0	4.1	15.6	74.7
94.0	17.257	36.291	26.460	39.3	14.7	4.8	15.4	71.9

Station: 3W
 Cruise : 61-G-3
 Ship : GYRE
 Position: Latitude 27 49.20 N
 Longitude 73 52.85 W
 Time: Year Day Hour Minute
 1981 66 10 20

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.408	36.386	25.727	53.4	68.4	18.2	70.8	75.1
2.0	20.407	36.386	25.728	56.1	56.6	10.7	57.6	79.2
3.0	20.406	36.386	25.728	56.2	51.7	10.5	52.7	78.5
4.0	20.409	36.385	25.726	56.6	41.5	4.5	41.7	83.8
5.0	20.410	36.383	25.725	56.4	36.9	6.8	37.5	79.5
6.0	20.409	36.385	25.727	56.2	31.2	2.0	31.3	86.3
7.0	20.410	36.386	25.726	56.4	37.4	1.7	37.4	87.4
8.0	20.409	36.385	25.727	56.3	34.6	.4	34.6	89.4
9.0	20.410	36.384	25.725	56.3	39.7	-1.2	39.7	91.7
10.0	20.409	36.386	25.727	55.6	43.4	-1.1	43.4	91.5
11.0	20.410	36.382	25.724	56.0	49.2	-1.5	49.2	91.7
12.0	20.410	36.377	25.720	55.1	44.4	-4.2	44.6	95.5
13.0	20.404	36.388	25.726	54.9	44.5	-6.0	44.9	97.7
14.0	20.396	36.389	25.733	54.5	44.0	-4.5	44.2	95.8
15.0	20.394	36.386	25.731	54.3	40.2	-8.1	41.0	101.4
16.0	20.395	36.388	25.732	55.1	30.3	-17.7	35.5	119.9
17.0	20.397	36.389	25.733	54.7	38.8	-17.7	42.6	114.5
18.0	20.403	36.385	25.728	55.0	39.2	-20.4	44.3	117.5
19.0	20.407	36.379	25.722	55.5	40.2	-20.6	45.2	117.1
20.0	20.389	36.385	25.731	54.7	38.7	-26.4	46.8	124.3
21.0	20.365	36.376	25.726	55.4	35.3	-24.9	43.2	125.2
22.0	20.370	36.376	25.730	55.0	42.6	-23.6	48.7	119.0
23.0	20.351	36.390	25.745	54.3	44.5	-21.1	49.2	115.4
24.0	20.339	36.396	25.753	54.4	42.9	-19.3	47.1	114.3
25.0	20.327	36.395	25.756	55.1	48.1	-21.9	52.9	114.4
26.0	20.325	36.392	25.754	54.3	43.0	-19.3	47.1	114.2
27.0	20.327	36.391	25.753	54.0	46.6	-20.1	50.7	113.3
28.0	20.329	36.387	25.749	53.8	46.4	-18.6	50.0	111.9
29.0	20.324	36.386	25.750	54.2	41.8	-18.5	45.7	113.9
30.0	20.302	36.384	25.754	53.6	43.7	-17.2	46.9	111.5
31.0	20.255	36.409	25.786	53.5	42.1	-19.3	46.3	114.6
32.0	20.238	36.406	25.788	53.9	44.5	-15.1	47.0	108.8
33.0	20.200	36.398	25.792	53.6	43.9	-14.8	46.4	108.7
34.0	20.153	36.387	25.783	53.3	43.6	-11.7	45.1	105.1
35.0	20.165	36.388	25.794	54.0	43.8	-9.5	44.9	102.2
36.0	20.154	36.383	25.797	53.1	44.2	-7.0	44.7	99.0
37.0	20.141	36.395	25.806	52.8	44.3	-6.8	44.9	98.7
38.0	20.134	36.389	25.803	52.9	43.1	-6.0	43.5	97.9
39.0	20.077	36.409	25.834	52.3	42.8	-3.1	42.9	94.2
40.0	20.050	36.402	25.836	52.3	42.3	-3.2	42.4	94.4
41.0	20.023	36.395	25.837	52.3	41.8	-3.3	41.9	94.5
42.0	19.996	36.402	25.850	52.4	41.3	-3.4	41.5	94.7
43.0	19.987	36.397	25.848	52.5	42.2	-1.0	42.2	91.4
44.0	19.982	36.385	25.840	51.8	38.3	-1.0	38.3	91.4
45.0	19.977	36.381	25.838	51.6	40.3	1.5	40.8	88.0
46.0	19.972	36.376	25.836	52.1	43.0	1.9	43.1	87.5
47.0	19.969	36.372	25.834	51.7	42.3	5.1	42.6	83.2
48.0	19.961	36.365	25.830	51.3	43.6	2.9	43.7	82.2
49.0	19.944	36.357	25.829	51.4	44.9	6.2	45.4	82.1
50.0	19.912	36.368	25.846	50.5	47.6	5.3	47.9	83.6
51.0	19.902	36.360	25.842	51.3	45.4	5.5	45.7	83.1
52.0	19.885	36.353	25.845	50.4	43.1	2.9	43.2	82.2
53.0	19.868	36.359	25.851	50.3	41.5	1.9	41.5	87.4
54.0	19.836	36.362	25.862	51.0	38.9	-1.1	38.9	90.1
55.0	19.816	36.362	25.867	50.0	38.7	1.0	38.7	88.5
56.0	19.792	36.367	25.877	50.6	37.1	-1.0	37.1	90.0
57.0	19.771	36.374	25.888	50.6	35.7	-1.3	35.7	90.5
58.0	19.759	36.371	25.883	50.9	35.3	-1.4	35.3	90.7
59.0	19.746	36.366	25.888	50.0	37.1	1.3	37.1	89.6
60.0	19.739	36.363	25.883	50.7	40.0	1.5	40.0	87.8

Station: 3W
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 49.20 N
 Longitude 93 52.85 W
 Time: Year Day Hour Minute
 1981 64 10 20

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	19.735	36.345	25.975	49.8	42.9	.9	42.9	88.7
62.0	19.712	36.330	25.970	50.5	40.8	4.2	41.0	84.1
63.0	19.675	36.326	25.976	51.2	47.0	3.8	47.2	85.8
64.0	19.627	36.332	25.993	51.0	45.4	3.8	45.5	85.8
65.0	19.579	36.329	25.904	50.7	43.8	2.8	43.9	86.8
66.0	19.531	36.322	25.911	50.5	42.2	2.3	42.2	86.9
67.0	19.480	36.329	25.930	50.6	43.5	-1.4	43.5	90.6
68.0	19.438	36.315	25.930	50.6	42.4	.2	42.4	89.8
69.0	19.382	36.308	25.939	50.2	42.5	-1.1	42.5	91.5
70.0	19.318	36.320	25.965	50.3	42.6	-3.3	42.8	94.4
71.0	19.262	36.316	25.976	50.2	46.5	-4.8	46.6	95.8
72.0	19.208	36.314	25.989	49.9	40.1	-3.6	40.3	95.2
73.0	19.152	36.344	26.026	49.6	43.8	-4.8	43.6	95.7
74.0	19.131	36.346	26.049	49.8	41.4	-4.1	41.6	95.6
75.0	19.114	36.366	26.068	48.6	40.6	-6.2	41.1	98.7
76.0	19.100	36.383	26.070	48.7	37.2	-10.2	38.6	105.3
77.0	19.077	36.362	26.059	48.5	33.8	-10.6	35.4	107.4
78.0	19.023	36.385	26.091	48.9	33.1	-10.7	34.8	107.9
79.0	18.992	36.391	26.104	48.1	35.8	-9.6	37.1	105.1
80.0	18.974	36.363	26.087	48.2	34.6	-11.1	36.3	107.8
81.0	18.933	36.351	26.088	48.0	36.0	-12.1	38.0	108.6
82.0	18.896	36.322	26.076	48.2	36.8	-10.9	37.9	106.7
83.0	18.882	36.318	26.089	48.8	39.2	-9.4	40.3	103.5
84.0	18.763	36.321	26.109	47.5	27.8	-10.7	33.3	105.8
85.0	18.686	36.336	26.140	47.7	29.6	-7.4	40.0	100.6
86.0	18.616	36.370	26.183	47.2	24.2	-9.5	35.5	105.5
87.0	18.580	36.373	26.195	47.2	34.7	-8.4	35.7	103.7
88.0	18.535	36.365	26.200	46.8	31.9	-11.8	34.0	110.3
89.0	18.486	36.378	26.222	47.3	34.1	-10.1	35.6	106.4
90.0	18.436	36.402	26.253	47.8	26.3	-8.4	27.2	103.0
91.0	18.424	36.402	26.256	47.4	34.8	-8.8	35.9	104.2
92.0	18.418	36.405	26.260	47.7	37.8	-7.5	38.6	101.8
93.0	18.416	36.384	26.244	47.8	33.6	-11.5	35.5	108.9
94.0	18.410	36.350	26.220	49.0	33.5	-7.5	36.3	101.9
95.0	18.386	36.330	26.211	48.5	37.2	-6.5	37.7	99.9
96.0	18.343	36.345	26.233	48.0	38.0	-4.4	38.2	96.6
97.0	18.270	36.377	26.276	47.8	29.9	-9.0	30.6	107.0
98.0	18.231	36.355	26.269	48.2	22.7	-9.1	24.5	111.8
99.0	18.194	36.346	26.271	47.2	30.9	-7.3	31.7	103.3
100.0	18.163	36.339	26.274	47.8	35.9	-4.6	36.1	97.8
101.0	18.116	36.346	26.291	47.4	36.1	-4.3	36.4	96.7
102.0	18.096	36.342	26.293	47.2	34.8	-1.8	34.8	92.9
103.0	18.070	36.355	26.309	46.7	36.0	-5.6	36.4	98.8
104.0	18.051	36.358	26.316	46.8	32.4	-3.6	32.6	96.4
105.0	18.022	36.364	26.328	47.2	29.4	-5.0	29.8	94.6
106.0	18.001	36.361	26.331	46.6	28.2	-1.9	28.2	91.8
107.0	17.961	36.373	26.350	46.1	26.7	-1.1	26.8	92.3
108.0	17.922	36.372	26.359	45.7	25.3	-1.2	25.3	92.8
109.0	17.850	36.375	26.379	45.5	21.3	-2.3	21.4	94.1
110.0	17.755	36.401	26.423	44.3	20.1	-8.5	21.8	112.8
111.0	17.694	36.385	26.425	43.5	20.1	-3.0	20.3	98.6
112.0	17.657	36.353	26.414	43.4	21.1	-1.1	21.1	93.0
113.0	17.602	36.369	26.435	43.0	24.4	-4.1	24.8	99.5
114.0	17.588	36.327	26.407	42.2	23.7	-3.7	24.0	98.8
115.0	17.555	36.311	26.403	42.7	27.8	-1.9	27.8	93.8
116.0	17.487	36.332	26.435	43.0	29.1	-3.1	29.3	96.0
117.0	17.458	36.311	26.426	42.6	26.8	-3.3	27.0	97.1
118.0	17.419	36.295	26.424	42.9	30.2	-1.9	30.2	93.6
119.0	17.391	36.272	26.413	44.1	26.4	-1.4	26.5	93.0
120.0	17.305	36.315	26.467	44.4	24.6	-.8	24.6	91.8

Station: 3W
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 49.20 N
 Longitude 93 52.85 W
 Time: Year Day Hour Minute
 1981 66 10 20

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	17.280	36.293	26.456	44.7	21.1	-3.3	21.3	99.0
122.0	17.288	36.289	26.463	44.4	21.7	-1.6	21.7	91.6
123.0	17.195	36.314	26.493	44.1	26.0	-1.0	26.0	90.0
124.0	17.184	36.317	26.497	44.7	26.3	2.6	26.4	84.3
125.0	17.180	36.314	26.496	44.6	26.2	2.2	26.3	85.2
126.0	17.173	36.317	26.500	44.4	18.4	5.2	19.2	74.2
127.0	17.173	36.316	26.500	44.9	13.9	4.3	14.6	72.9
128.0	17.170	36.314	26.498	45.0	11.1	6.2	12.7	60.6
129.0	17.167	36.298	26.487	44.9	10.8	6.3	12.5	59.7
130.0	17.154	36.290	26.484	44.4	11.6	6.6	13.3	60.4
131.0	17.136	36.290	26.489	45.5	13.1	8.6	20.1	64.5
132.0	17.118	36.313	26.510	45.3	20.6	7.6	22.1	69.2
133.0	17.103	36.310	26.511	44.0	29.7	13.4	32.5	65.7

Station: 4W
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 53.78 N
 Longitude 93 52.32 W
 Time: Year Day Hour Minute
 1981 66 12 26

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	20.122	36.202	25.663	53.5	41.1	-8.9	42.1	102.2
3.0	20.120	36.264	25.712	54.1	39.7	-11.7	41.4	103.5
4.0	20.122	36.295	25.734	54.7	35.5	-13.2	37.9	110.4
5.0	20.121	36.313	25.748	55.5	27.7	-12.7	30.5	114.7
6.0	20.125	36.327	25.758	55.7	35.2	-8.7	36.3	103.8
7.0	20.127	36.347	25.773	56.0	30.2	-19.7	26.1	123.1
8.0	20.131	36.359	25.781	54.7	32.4	-15.9	36.1	116.2
9.0	20.132	36.364	25.784	55.2	30.4	-23.3	41.9	133.4
10.0	20.128	36.368	25.789	54.9	34.0	-37.9	50.9	138.1
11.0	20.124	36.368	25.789	57.6	40.4	-42.4	58.6	136.4
12.0	20.122	36.362	25.786	55.3	40.8	-45.5	61.1	138.1
13.0	20.113	36.362	25.788	55.2	41.2	-40.5	57.7	134.5
14.0	20.096	36.365	25.795	56.0	40.5	-41.3	57.8	135.6
15.0	20.095	36.331	25.769	56.1	38.5	-37.1	53.5	133.9
16.0	20.097	36.296	25.753	56.6	39.2	-41.3	56.9	136.5
17.0	19.927	36.322	25.807	56.3	36.8	-39.3	53.8	136.8
18.0	19.861	36.259	25.776	56.4	35.2	-34.1	49.1	134.1
19.0	19.683	36.266	25.828	55.6	32.6	-32.5	46.0	134.9
20.0	19.466	36.373	25.971	54.6	33.3	-32.3	46.7	133.7
21.0	19.425	36.376	25.980	55.0	30.8	-28.4	41.9	132.7
22.0	19.383	36.377	25.992	54.2	30.0	-29.7	42.3	134.7
23.0	19.361	36.398	26.013	54.6	27.3	-29.6	40.3	137.3
24.0	19.335	36.407	26.027	53.4	27.5	-26.0	37.8	133.4
25.0	19.323	36.392	26.019	53.6	23.7	-30.3	33.5	142.0
26.0	19.318	36.372	26.004	52.7	23.3	-26.2	35.4	137.7
27.0	19.278	36.388	26.028	52.1	21.3	-23.3	31.6	137.6
28.0	19.269	36.405	26.042	52.1	22.2	-24.7	33.3	138.1
29.0	19.267	36.410	26.047	51.5	19.9	-21.3	29.1	136.8
30.0	19.260	36.378	26.024	51.4	17.6	-22.3	28.8	142.3
31.0	19.231	36.353	26.013	50.3	19.1	-22.4	29.5	139.6
32.0	19.159	36.379	26.052	50.4	15.6	-17.7	23.6	133.6
33.0	19.136	36.384	26.061	50.3	13.5	-11.3	21.6	121.5
34.0	19.127	36.387	26.066	50.7	17.6	-10.6	20.5	121.0
35.0	19.119	36.383	26.065	49.7	14.9	-11.3	18.7	127.1
36.0	19.078	36.407	26.094	49.5	13.2	-11.5	17.5	131.1
37.0	19.037	36.389	26.090	49.2	11.5	-11.7	16.4	135.5
38.0	18.997	36.339	26.063	49.0	9.3	-11.9	15.4	140.6
39.0	18.862	36.359	26.112	48.0	10.6	-8.5	13.6	128.7
40.0	18.772	36.366	26.140	47.0	6.6	-7.9	10.2	140.2
41.0	18.700	36.388	26.176	47.2	9.1	-3.7	9.9	112.0
42.0	18.662	36.407	26.200	47.6	10.4	-4.5	11.3	113.3
43.0	18.632	36.415	26.213	47.0	9.2	-1.6	9.4	99.8
44.0	18.588	36.394	26.209	47.6	8.3	-2.0	8.6	103.8
45.0	18.575	36.367	26.191	46.9	8.2	0.4	8.2	87.5
46.0	18.563	36.353	26.184	47.6	11.1	2.2	11.3	78.7
47.0	18.551	36.354	26.187	47.6	11.9	2.5	12.2	78.3
48.0	18.540	36.357	26.193	48.7	12.2	1.3	12.4	81.5
49.0	18.532	36.345	26.185	48.3	10.3	2.3	10.6	77.4
50.0	18.494	36.314	26.172	49.5	3.3	3.6	4.9	42.7
51.0	18.428	36.278	26.161	49.5	4.2	2.7	5.0	57.3
52.0	18.314	36.314	26.217	50.3	3.1	5.3	6.6	28.4
53.0	18.188	36.370	26.291	49.3	4.9	7.1	8.6	34.7
54.0	18.144	36.369	26.301	50.6	5.6	4.3	7.1	52.8
55.0	18.103	36.399	26.335	49.3	4.5	7.5	8.7	30.9
56.0	18.080	36.414	26.352	49.9	3.5	7.3	8.1	25.7
57.0	18.062	36.403	26.352	49.3	2.4	7.9	8.3	17.1
58.0	18.048	36.393	26.344	50.0	5.2	11.0	12.1	25.2
59.0	18.036	36.365	26.326	49.3	2.4	9.3	9.6	14.7
60.0	18.021	36.338	26.309	49.4	5.7	9.4	11.0	31.3
61.0	18.000	36.324	26.303	50.1	8.7	11.1	14.1	38.2

Station: 4U
 Cruise: 61-G-3
 Ship: GYRE
 Position: Latitude 27 53.78 N
 Longitude 98 52.32 W
 Time: Year Day Hour Minute
 1981 66 12 26

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	17.962	36.331	26.313	50.0	9.2	12.4	15.4	36.6
63.0	17.924	36.331	26.342	49.9	9.7	13.7	16.7	35.3
64.0	17.881	36.360	26.360	49.8	9.5	14.0	16.9	34.0
65.0	17.854	36.356	26.363	49.7	6.4	11.8	13.4	23.5
66.0	17.835	36.350	26.364	49.5	6.4	15.1	17.3	23.0
67.0	17.806	36.357	26.376	49.4	15.2	13.6	20.4	43.2
68.0	17.802	36.364	26.383	49.6	12.1	13.1	17.8	42.7
69.0	17.801	36.362	26.382	49.0	9.4	12.5	15.6	37.0
70.0	17.801	36.359	26.375	49.2	9.8	14.8	17.7	33.4
71.0	17.798	36.353	26.376	48.4	10.8	14.6	18.1	26.5
72.0	17.796	36.357	26.379	48.8	9.7	15.7	18.4	31.3
73.0	17.795	36.352	26.375	48.8	7.8	16.1	17.9	25.9
74.0	17.794	36.343	26.368	50.3	9.0	15.9	18.3	29.5
75.0	17.786	36.342	26.369	49.6	9.3	18.3	20.5	27.0
76.0	17.773	36.338	26.362	48.3	6.9	18.0	19.3	20.3
77.0	17.753	36.296	26.341	48.4	10.4	17.4	20.2	30.9
78.0	17.720	36.297	26.352	48.5	-3.6	23.7	23.9	351.3
79.0	17.665	36.328	26.388	46.9	5.8	19.3	20.2	16.7
80.0	17.649	36.323	26.388	47.4	3.3	18.5	18.5	9
81.0	17.620	36.334	26.404	46.4	3.0	16.5	16.9	10.3
82.0	17.590	36.323	26.403	45.4	5.7	14.6	15.7	21.3
83.0	17.513	36.342	26.436	43.4	3.6	12.5	13.0	16.0
84.0	17.456	36.371	26.473	42.5	5.4	13.8	14.8	21.4
85.0	17.443	36.355	26.463	41.7	2.2	12.6	12.3	9.9
86.0	17.431	36.339	26.454	40.8	-1.0	11.3	11.4	354.9
87.0	17.418	36.331	26.452	40.0	-4.2	10.1	10.9	337.3
88.0	17.405	36.332	26.455	39.2	-7.4	8.8	11.5	320.0
89.0	17.399	36.333	26.458	38.3	-1.7	8.9	9.1	349.5
90.0	17.392	36.303	26.440	38.4	4.1	9.0	9.9	24.6
91.0	17.383	36.295	26.445	37.7	6.0	9.8	11.5	31.6
92.0	17.281	36.276	26.442	38.2	9.5	9.7	13.6	44.3
93.0	17.225	36.248	26.450	39.2	3.5	13.2	13.7	14.9
94.0	17.164	36.276	26.471	39.2	7.3	11.9	13.9	31.5
95.0	17.131	36.246	26.456	41.1	5.9	12.9	14.2	24.4
96.0	17.064	36.247	26.473	40.2	2.2	12.4	12.6	9.3
97.0	17.004	36.262	26.493	41.1	10.8	10.4	15.0	46.1
98.0	16.937	36.264	26.509	41.4	-3.0	6.1	6.8	333.6
99.0	16.942	36.257	26.510	41.2	4.1	8.5	9.3	25.9
100.0	16.915	36.233	26.521	42.3	-1.1	11.3	11.3	359.5
101.0	16.886	36.234	26.544	39.6	-5.3	8.3	5.3	272.3
102.0	16.880	36.277	26.540	39.9	9.6	8.5	12.8	48.4
103.0	16.870	36.270	26.537	41.6	10.0	12.9	16.3	37.8
104.0	16.853	36.277	26.546	42.1	9.1	6.3	11.1	55.2
105.0	16.840	36.247	26.526	41.3	11.4	6.5	13.1	60.1
106.0	16.804	36.180	26.483	40.3	13.4	6.3	14.3	64.3
107.0	16.715	36.149	26.481	39.7	8.8	6.2	10.7	54.7
108.0	16.604	36.174	26.526	38.1	2.7	2.9	4.0	43.6
109.0	16.504	36.233	26.595	37.7	6.6	2.2	6.6	33.6
110.0	16.475	36.239	26.606	36.6	6.0	10.7	12.3	23.3
111.0	16.451	36.237	26.611	35.4	7.6	8.1	11.1	43.0
112.0	16.433	36.230	26.610	35.4	17.0	5.1	17.8	73.2
113.0	16.421	36.231	26.613	35.6	21.5	2.4	21.6	33.6
114.0	16.411	36.241	26.623	35.3	16.1	3.1	16.4	79.1
115.0	16.403	36.244	26.626	32.2	9.8	5.5	11.2	60.7
116.0	16.406	36.244	26.627	29.1	21.1	3.0	22.6	69.2
117.0	16.403	36.247	26.630	26.0	14.6	10.5	18.0	54.3

Station: 108
 Cruise: 51-5-3
 Ship: OYRE
 Position: Latitude 27 53.39 N
 Longitude 93 48.73 W
 Time: Year Day Hour Minute
 1981 66 4 10

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	19.570	36.370	26.938	52.1	29.3	28.2	40.6	46.1
2.0	19.572	36.371	26.937	52.4	28.9	24.1	44.5	39.9
3.0	19.575	36.370	26.936	51.9	28.4	25.3	52.2	47.4
4.0	19.577	36.372	26.937	52.1	28.3	21.7	48.2	48.9
5.0	19.578	36.371	26.936	52.2	28.5	27.7	44.9	51.9
6.0	19.578	36.369	26.934	51.2	28.5	21.4	45.2	46.0
7.0	19.575	36.372	26.937	52.3	28.0	20.9	48.3	44.5
8.0	19.576	36.372	26.937	52.3	28.2	26.8	41.8	50.0
9.0	19.580	36.369	26.934	51.6	28.4	21.0	40.6	52.9
10.0	19.580	36.368	26.933	52.1	28.0	24.7	41.2	53.2
11.0	19.579	36.369	26.935	52.6	28.2	25.0	41.3	52.8
12.0	19.576	36.372	26.937	52.4	28.0	27.9	37.9	54.6
13.0	19.579	36.370	26.935	52.4	29.1	19.8	36.8	57.5
14.0	19.581	36.365	26.930	52.6	28.0	18.1	37.7	61.3
15.0	19.575	36.365	26.933	51.5	28.3	19.8	39.0	59.5
16.0	19.562	36.374	26.943	51.1	28.2	18.3	37.3	60.0
17.0	19.568	36.372	26.942	50.7	28.2	20.7	35.8	54.6
18.0	19.549	36.374	26.946	50.8	27.1	18.3	32.7	56.0
19.0	19.555	36.362	26.935	50.8	28.4	15.4	32.3	61.5
20.0	19.545	36.359	26.935	50.5	28.5	15.1	29.7	59.5
21.0	19.527	36.358	26.939	50.6	28.4	11.8	27.3	64.8
22.0	19.512	36.358	26.943	50.0	26.1	9.0	27.6	71.0
23.0	19.494	36.362	26.951	49.4	26.3	8.4	27.6	72.3
24.0	19.476	36.366	26.951	49.6	25.2	7.4	26.3	73.3
25.0	19.457	36.345	26.948	49.6	25.2	4.9	25.7	79.0
26.0	19.435	36.344	26.953	49.7	27.5	6.6	27.5	83.8
27.0	19.386	36.340	26.973	49.2	28.3	-1.7	28.3	93.4
28.0	19.347	36.374	26.999	48.5	24.7	-5.1	25.3	101.7
29.0	19.271	36.399	26.038	47.4	24.6	-5.4	25.1	102.6
30.0	19.134	36.404	26.077	46.4	21.7	-7.6	23.0	109.3
31.0	18.955	36.373	26.099	48.1	20.9	-4.0	21.3	100.8
32.0	18.773	36.351	26.152	50.9	21.7	-2.7	21.3	97.0
33.0	18.692	36.390	26.180	50.6	22.9	-3.2	22.2	98.0
34.0	18.628	36.389	26.195	50.7	22.3	-1.9	22.9	94.7
35.0	18.568	36.379	26.205	51.8	17.5	-1.9	17.6	96.3
36.0	18.502	36.371	26.213	52.3	19.5	-1.4	19.6	94.0
37.0	18.440	36.365	26.240	52.5	20.5	-2.2	20.5	90.5
38.0	18.405	36.345	26.233	52.9	15.6	-1.3	15.7	94.6
39.0	18.362	36.372	26.249	53.3	19.3	.7	19.3	88.0
40.0	18.307	36.398	26.282	53.7	16.7	.0	16.7	90.0
41.0	18.289	36.398	26.279	54.3	13.7	2.1	13.9	81.5
42.0	18.277	36.390	26.284	53.1	17.2	1.7	17.2	84.5
43.0	18.280	36.377	26.274	53.9	17.3	2.2	17.4	82.9
44.0	18.282	36.370	26.267	54.0	17.4	1.9	17.5	83.9
45.0	18.284	36.359	26.259	54.0	17.4	1.6	17.5	84.8
46.0	18.275	36.357	26.260	53.4	15.7	1.3	15.8	83.6
47.0	18.265	36.363	26.267	52.7	16.8	2.3	16.9	82.1
48.0	18.265	36.360	26.264	52.9	16.7	2.8	16.9	80.4
49.0	18.262	36.354	26.261	53.5	15.3	4.0	15.8	75.3
50.0	18.256	36.349	26.258	53.2	16.3	5.9	17.4	70.2
51.0	18.243	36.352	26.264	53.1	25.8	2.3	25.9	84.9
52.0	18.234	36.357	26.270	52.4	24.7	2.3	24.3	84.6
53.0	18.231	36.361	26.274	52.6	16.3	3.6	16.5	62.2
54.0	18.239	36.355	26.267	52.3	16.1	11.0	19.5	55.7
55.0	18.239	36.354	26.266	51.8	18.2	11.2	21.4	58.4
56.0	18.237	36.355	26.267	52.2	15.9	8.0	17.3	63.2
57.0	18.231	36.352	26.267	52.4	15.6	7.3	17.2	64.8
58.0	18.222	36.347	26.265	52.0	13.6	6.2	19.6	71.5
59.0	18.211	36.343	26.269	51.8	14.3	11.1	18.1	52.2
60.0	18.206	36.339	26.263	51.3	22.5	7.4	23.7	71.7

Station: 138
 Cruise : 81-0-3
 Ship : GYRE
 Position: Latitude 27 53.39 N
 Longitude 93 48.78 W
 Time: Year Day Hour Minute
 1981 66 4 10

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	18.197	36.321	26.252	51.4	24.1	5.7	24.9	76.9
62.0	18.153	36.334	26.273	50.9	24.9	3.8	25.2	81.2
63.0	18.118	36.347	26.291	50.8	21.9	6.5	22.2	79.0
64.0	18.105	36.343	26.291	51.0	21.7	4.7	22.2	77.7
65.0	18.082	36.342	26.296	50.6	19.9	4.6	20.4	77.0
66.0	18.037	36.349	26.313	50.4	14.5	5.5	17.4	71.5
67.0	18.012	36.342	26.314	50.5	19.9	3.8	19.6	78.7
68.0	17.988	36.348	26.324	50.3	20.0	4.5	20.6	77.2
69.0	17.976	36.334	26.317	49.8	22.1	2.0	22.1	84.9
70.0	17.949	36.329	26.320	50.1	18.3	2.9	18.6	81.0
71.0	17.912	36.333	26.336	49.5	14.4	4.6	15.1	72.2
72.0	17.891	36.335	26.338	49.0	25.8	-2.9	25.9	96.5
73.0	17.871	36.345	26.351	49.1	23.0	-1.6	23.0	94.0
74.0	17.867	36.344	26.351	49.5	19.1	.1	19.1	89.6
75.0	17.864	36.338	26.347	48.6	17.8	.2	17.8	89.4
76.0	17.853	36.334	26.346	48.2	18.3	-1.5	18.3	94.7
77.0	17.828	36.359	26.372	48.3	15.6	-2.9	15.6	100.3
78.0	17.816	36.357	26.373	47.9	12.8	-1.1	12.9	94.7
79.0	17.810	36.322	26.349	48.0	12.0	-2.5	12.3	101.9
80.0	17.776	36.308	26.346	47.1	18.1	-3.3	18.4	100.3
81.0	17.736	36.322	26.367	46.5	21.8	-1.3	21.8	98.3
82.0	17.700	36.344	26.392	45.9	22.6	-1.5	22.6	93.9
83.0	17.685	36.338	26.392	45.6	18.6	-.4	18.6	91.2
84.0	17.669	36.333	26.391	45.4	14.7	.3	14.7	87.0
85.0	17.638	36.355	26.418	45.8	11.0	.7	11.0	86.4
86.0	17.626	36.349	26.414	45.7	9.5	1.7	9.6	79.9
87.0	17.623	36.339	26.407	45.7	22.1	.6	22.1	88.4
88.0	17.625	36.330	26.400	45.5	15.1	2.0	15.2	82.3
89.0	17.615	36.331	26.403	45.5	11.6	4.0	12.3	70.9
90.0	17.604	36.313	26.392	45.4	10.2	.6	10.2	84.5
91.0	17.558	36.327	26.414	46.1	14.8	2.3	14.9	81.1
92.0	17.548	36.340	26.426	45.6	22.3	5.5	23.0	76.1

Station: 145
 Cruise : 81-6-3
 Ship : GYRE
 Position: Latitude 27 52.75 N
 Longitude 93 48.20 W
 Time: Year Day Hour Minute
 1981 66 5 7

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	19.541	36.3655	25.941	57.5	27.9	14.3	31.3	62.9
3.0	19.554	36.3653	25.929	56.2	26.9	21.0	34.1	52.0
4.0	19.554	36.3650	25.927	56.7	27.3	24.6	36.8	48.1
5.0	19.555	36.3648	25.921	56.3	26.3	25.2	36.4	46.2
6.0	19.536	36.3654	25.935	55.6	24.5	19.7	30.9	52.6
7.0	19.531	36.3653	25.939	55.0	25.1	21.6	33.1	49.2
8.0	19.526	36.3659	25.941	56.2	22.5	17.2	28.3	52.6
9.0	19.528	36.3645	25.930	55.6	22.3	16.6	28.9	54.0
10.0	19.504	36.3647	25.937	55.9	23.0	15.3	27.7	56.4
11.0	19.472	36.3659	25.955	55.7	22.6	13.5	26.9	59.1
12.0	19.463	36.3663	25.960	55.7	24.3	15.2	29.1	56.5
13.0	19.461	36.3667	25.964	54.2	27.8	17.0	32.2	58.0
14.0	19.462	36.3665	25.962	55.4	25.4	10.4	27.4	67.8
15.0	19.461	36.3662	25.959	55.2	25.6	11.9	28.2	65.1
16.0	19.459	36.3664	25.962	55.8	20.4	8.8	22.3	66.6
17.0	19.452	36.3669	25.968	55.3	22.1	10.2	24.3	65.3
18.0	19.446	36.3672	25.971	55.9	19.6	8.8	21.2	67.7
19.0	19.441	36.3674	25.974	55.2	20.6	8.8	22.4	67.0
20.0	19.437	36.3670	25.972	55.6	20.1	7.1	21.6	70.9
21.0	19.434	36.3665	25.968	55.3	20.4	9.5	22.6	65.1
22.0	19.431	36.3667	25.971	55.1	20.3	7.9	22.4	71.2
23.0	19.427	36.3668	25.974	53.9	23.2	9.1	24.9	68.6
24.0	19.424	36.3669	25.975	54.3	22.3	9.9	24.4	66.1
25.0	19.424	36.3669	25.975	54.5	23.1	8.6	24.7	69.6
26.0	19.424	36.3667	25.973	54.1	23.3	8.4	24.8	70.2
27.0	19.425	36.3664	25.971	54.0	23.9	10.0	25.9	67.3
28.0	19.419	36.3665	25.974	54.3	24.6	10.2	26.6	67.5
29.0	19.414	36.3667	25.976	54.3	24.0	12.5	26.8	64.3
30.0	19.414	36.3664	25.974	54.4	26.7	10.1	28.5	69.6
31.0	19.410	36.3659	25.971	53.5	32.3	9.2	34.1	74.3
32.0	19.400	36.3663	25.977	54.1	35.7	10.6	27.8	67.6
33.0	19.387	36.3667	25.983	53.6	30.4	10.8	32.2	70.4
34.0	19.380	36.3664	25.983	53.1	30.2	11.7	32.4	68.9
35.0	19.373	36.3670	25.989	53.5	30.2	10.9	32.1	70.2
36.0	19.371	36.3661	25.982	53.1	32.9	10.4	34.5	72.4
37.0	19.359	36.3643	25.972	53.3	29.7	7.6	30.6	75.6
38.0	19.329	36.3641	25.978	53.3	30.3	8.0	31.3	75.1
39.0	19.296	36.3652	25.994	52.2	30.9	8.5	32.0	74.7
40.0	19.268	36.3672	26.018	52.1	31.5	8.9	32.7	74.3
41.0	19.252	36.3692	26.029	52.1	31.4	9.0	32.6	74.0
42.0	19.243	36.3677	26.027	52.5	29.7	8.0	30.7	74.9
43.0	19.207	36.3637	26.007	52.2	29.2	6.6	32.8	73.5
44.0	19.060	36.3695	26.089	52.8	29.5	6.5	30.2	77.5
45.0	19.010	36.416	26.118	52.4	23.7	6.6	29.7	77.1
46.0	18.997	36.3632	26.095	52.3	27.8	4.5	28.2	80.8
47.0	18.913	36.421	26.147	52.0	29.4	5.4	29.8	79.6
48.0	18.905	36.3636	26.122	52.7	24.5	4.1	24.8	80.5
49.0	18.871	36.3690	26.134	52.7	25.0	1.5	25.0	86.5
50.0	18.857	36.3689	26.136	53.1	23.1	2.2	23.2	84.6
51.0	18.859	36.3671	26.122	53.0	23.7	.9	22.8	87.3
52.0	18.848	36.3683	26.134	52.5	21.8	.8	21.9	87.3
53.0	18.848	36.3689	26.138	52.6	19.9	-2.0	19.0	96.0
54.0	18.843	36.3690	26.141	51.9	18.7	-1.4	18.6	94.3
55.0	18.828	36.3688	26.143	52.0	15.6	-2.5	15.3	99.0
56.0	18.783	36.3692	26.158	52.2	16.8	-2.1	16.9	97.2
57.0	18.720	36.3695	26.176	52.2	16.0	-4.5	16.6	105.7
58.0	18.692	36.3680	26.171	51.9	16.8	-4.6	17.4	105.4
59.0	18.670	36.3664	26.165	52.2	17.7	-2.9	18.0	99.2
60.0	18.645	36.3670	26.176	52.1	20.5	-3.6	20.8	100.0
61.0	18.632	36.3683	26.193	52.2	19.4	-2.9	19.6	98.5

Station: 148
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 52.75 N
 Longitude 93 48.20 W
 Time: Year Day Hour Minute
 1981 66 5 7

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	18.590	36.397	26.211	52.0	18.4	-4.8	19.1	104.5
63.0	18.528	36.402	26.230	52.0	16.7	-5.9	17.7	109.4
64.0	18.476	36.373	26.221	51.9	12.4	-7.1	14.3	120.0
65.0	18.452	36.323	26.186	51.6	16.3	-8.3	18.3	117.0
66.0	18.300	36.447	26.322	51.6	16.6	-6.9	18.0	112.6
67.0	18.231	36.433	26.329	51.8	12.1	-8.1	14.6	123.7
68.0	17.895	36.398	26.386	50.3	15.1	-5.6	16.1	110.2

Station: 158
 Cruise: S1-G-3
 Ship: GYRE
 Position: Latitude 27 51.65 N
 Longitude 93 48.45 W
 Time: Year Day Hour Minute
 1981 66 7 24

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	19.438	36.362	25.966	50.8	-9.6	-50.3	51.2	190.8
2.0	19.440	36.361	25.965	50.6	-2.1	-51.9	51.9	177.7
3.0	19.440	36.362	25.965	50.9	2.5	-55.8	55.6	177.4
4.0	19.441	36.360	25.964	51.5	8.4	-55.8	56.5	171.5
5.0	19.440	36.361	25.964	51.7	8.1	-55.6	56.2	171.7
6.0	19.438	36.363	25.967	51.6	12.1	-53.8	55.4	166.3
7.0	19.439	36.362	25.965	51.5	14.3	-53.9	55.6	165.0
8.0	19.439	36.362	25.965	51.9	15.3	-52.0	54.2	163.6
9.0	19.438	36.362	25.966	52.3	20.0	-51.8	55.5	158.9
10.0	19.439	36.363	25.966	52.4	17.1	-49.2	52.1	160.9
11.0	19.439	36.366	25.968	52.2	19.6	-51.2	54.9	159.0
12.0	19.440	36.368	25.970	52.1	19.0	-46.6	48.4	164.4
13.0	19.444	36.367	25.968	52.5	15.0	-49.1	51.4	163.1
14.0	19.446	36.363	25.965	52.3	18.0	-49.6	52.7	160.0
15.0	19.445	36.363	25.965	52.0	17.1	-48.9	51.8	160.7
16.0	19.445	36.365	25.966	51.6	16.2	-48.3	50.9	161.4
17.0	19.446	36.365	25.966	52.2	15.3	-49.2	51.7	162.1
18.0	19.448	36.363	25.964	52.0	12.2	-48.9	50.4	165.9
19.0	19.448	36.363	25.964	51.7	11.0	-51.1	52.3	167.8
20.0	19.449	36.363	25.964	52.0	13.3	-51.4	53.1	165.4
21.0	19.447	36.364	25.965	51.7	14.4	-51.7	53.6	164.5
22.0	19.444	36.366	25.967	51.3	15.5	-52.5	54.8	163.6
23.0	19.446	36.365	25.966	51.6	15.0	-54.1	56.1	164.5
24.0	19.449	36.364	25.965	51.0	18.3	-53.5	56.6	161.2
25.0	19.449	36.362	25.963	50.9	15.7	-52.6	54.9	163.4
26.0	19.449	36.362	25.963	51.0	17.7	-55.4	58.2	162.3
27.0	19.448	36.364	25.964	50.4	18.6	-54.6	57.7	161.2
28.0	19.449	36.363	25.964	50.7	19.1	-55.2	58.5	160.9
29.0	19.447	36.365	25.966	50.5	18.5	-55.6	58.6	161.6
30.0	19.449	36.365	25.965	50.9	19.9	-55.0	58.5	160.1
31.0	19.449	36.365	25.965	50.4	16.1	-52.6	55.0	163.0
32.0	19.449	36.365	25.965	50.6	13.3	-52.1	53.8	165.7
33.0	19.450	36.363	25.964	50.0	7.9	-51.6	52.2	171.3
34.0	19.452	36.360	25.961	49.7	11.1	-53.5	54.7	168.3
35.0	19.447	36.362	25.964	50.0	10.5	-53.3	54.3	168.8
36.0	19.442	36.365	25.967	50.2	10.0	-53.0	53.9	169.3
37.0	19.438	36.368	25.970	50.5	9.4	-52.7	53.5	169.9
38.0	19.438	36.365	25.968	50.4	13.8	-53.7	55.5	165.6
39.0	19.437	36.365	25.969	49.8	18.9	-54.0	57.2	160.7
40.0	19.436	36.366	25.969	49.5	14.2	-53.4	55.2	165.1
41.0	19.434	36.364	25.969	49.2	17.4	-53.4	56.1	162.0
42.0	19.422	36.370	25.976	48.6	20.1	-54.9	58.4	159.8
43.0	19.414	36.370	25.979	48.3	19.0	-51.4	54.8	159.7
44.0	19.400	36.367	25.979	47.6	16.9	-54.4	56.9	162.7
45.0	19.365	36.381	26.000	47.5	14.7	-54.4	56.3	164.8
46.0	19.326	36.399	26.023	47.1	18.2	-54.4	57.4	161.5
47.0	19.286	36.405	26.038	47.3	17.4	-54.7	57.4	162.4
48.0	19.253	36.385	26.032	46.9	15.5	-54.1	56.2	164.0
49.0	19.235	36.351	26.010	47.1	10.2	-51.7	52.7	168.8
50.0	19.198	36.355	26.023	46.7	6.9	-49.6	50.1	172.1
51.0	19.167	36.357	26.032	48.0	10.2	-49.1	50.2	168.2
52.0	19.114	36.371	26.057	47.3	14.7	-48.2	50.4	163.0
53.0	19.095	36.350	26.046	48.0	11.3	-48.1	49.4	166.8
54.0	19.067	36.331	26.038	48.1	10.0	-46.0	47.0	167.8
55.0	19.023	36.322	26.043	47.7	5.9	-44.7	45.1	172.4
56.0	18.925	36.387	26.117	48.0	11.3	-44.5	45.9	165.8
57.0	18.889	36.407	26.142	47.9	18.5	-46.3	49.8	158.2
58.0	18.862	36.404	26.146	47.9	20.4	-44.7	49.1	155.5
59.0	18.832	36.397	26.149	47.9	20.6	-43.3	48.0	154.5
60.0	18.824	36.374	26.134	48.0	21.5	-38.9	44.5	151.1

Station: 159
 Cruise : 61-G-3
 Ship : GYRE
 Position: Latitude 27 51.65 N
 Longitude 93 48.45 W
 Time: Year Day Hour Minute
 1981 66 7 24

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	18.729	36.365	26.133	48.6	17.9	-39.3	43.2	155.5
62.0	18.781	36.336	26.115	48.4	17.1	-37.7	41.4	155.6
63.0	18.742	36.309	26.105	47.7	14.4	-35.7	38.5	156.0
64.0	18.720	36.343	26.177	48.2	14.4	-33.9	37.7	154.1
65.0	18.504	36.446	26.270	49.0	24.0	-34.0	41.6	144.9
66.0	18.427	36.460	26.299	48.8	23.1	-33.7	43.9	140.2
67.0	18.365	36.414	26.280	48.9	27.4	-31.7	41.9	139.1
68.0	18.333	36.374	26.257	48.4	21.7	-31.0	37.8	144.9
69.0	18.272	36.417	26.306	48.1	20.1	-28.0	34.5	144.2
70.0	18.243	36.420	26.316	48.3	23.9	-26.6	35.7	138.0
71.0	18.228	36.407	26.309	47.9	25.1	-24.8	35.2	134.7
72.0	18.227	36.404	26.308	47.8	27.8	-26.9	36.7	134.1
73.0	18.229	36.389	26.295	47.1	21.4	-25.4	33.3	139.9
74.0	18.213	36.377	26.289	47.5	21.9	-25.0	33.2	138.9
75.0	18.203	36.371	26.288	47.3	22.9	-21.6	31.4	133.3
76.0	18.157	36.368	26.297	46.4	19.3	-22.0	29.3	133.6
77.0	18.080	36.355	26.319	46.8	21.4	-20.3	29.5	133.6
78.0	17.727	36.342	26.334	45.7	20.9	-18.2	27.7	131.2
79.0	17.273	36.335	26.490	45.2	15.4	-19.2	24.6	141.3
80.0	17.008	36.321	26.543	44.3	11.7	-20.2	23.3	150.0
81.0	16.850	36.310	26.572	44.3	10.5	-20.6	23.2	152.9
82.0	16.846	36.299	26.565	43.8	4.2	-20.9	21.3	166.6

Station: 169
 Cruise : 61-G-3
 Ship : GYRE
 Position: Latitude 27 52.25 N
 Longitude 93 49.38 W
 Time: Year Day Hour Minute
 1981 66 8 28

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	19.484	36.352	25.946	55.2	81.6	-41.7	91.6	117.1
4.0	19.487	36.358	25.950	55.2	79.2	-35.4	86.7	114.1
5.0	19.479	36.363	25.960	55.1	77.8	-34.0	85.0	113.6
6.0	19.479	36.367	25.959	55.7	77.8	-35.8	85.6	114.7
7.0	19.481	36.365	25.957	55.5	75.4	-37.2	84.1	116.3
8.0	19.481	36.367	25.959	55.1	70.4	-37.2	79.6	117.9
9.0	19.481	36.368	25.959	55.6	68.7	-38.4	78.7	119.2
10.0	19.481	36.368	25.959	55.7	69.2	-38.9	79.4	119.3
11.0	19.481	36.370	25.960	55.8	66.0	-37.7	76.0	119.7
12.0	19.483	36.370	25.960	55.0	70.3	-38.1	80.0	118.4
13.0	19.484	36.369	25.959	55.1	67.5	-36.1	76.6	118.1
14.0	19.485	36.363	25.953	54.8	66.4	-31.6	73.6	115.5
15.0	19.482	36.370	25.961	55.0	65.9	-28.2	71.7	113.3
16.0	19.479	36.373	25.963	55.3	65.4	-24.8	69.9	110.8
17.0	19.482	36.369	25.960	54.9	62.9	-24.8	67.6	111.5
18.0	19.477	36.370	25.962	55.4	58.2	-23.8	62.9	112.2
19.0	19.473	36.372	25.964	55.2	58.5	-24.6	64.4	112.4
20.0	19.474	36.371	25.964	55.2	59.0	-27.0	64.8	114.6
21.0	19.477	36.369	25.961	54.5	55.9	-26.4	61.8	115.3
22.0	19.475	36.369	25.962	54.6	56.5	-30.0	64.0	117.9
23.0	19.469	36.370	25.964	54.4	44.7	-29.3	53.5	123.2
24.0	19.465	36.366	25.962	54.2	50.4	-29.3	58.3	120.2
25.0	19.456	36.366	25.964	54.2	48.9	-29.9	57.3	121.5
26.0	19.444	36.363	25.965	53.6	47.5	-28.6	55.4	121.1
27.0	19.433	36.342	25.952	53.6	46.9	-29.0	55.1	121.8
28.0	19.385	36.340	25.963	52.6	46.0	-31.0	55.4	124.0
29.0	19.304	36.359	25.998	52.7	45.6	-31.9	55.6	125.0
30.0	19.280	36.353	26.000	52.7	45.7	-29.4	54.3	122.7
31.0	19.188	36.417	26.073	52.4	41.2	-31.1	51.6	127.0
32.0	19.200	36.381	26.042	53.0	33.5	-34.2	47.9	135.6
33.0	19.185	36.389	26.052	52.8	42.2	-27.7	50.5	123.3
34.0	19.200	36.381	26.042	52.5	37.6	-29.3	47.7	128.0
35.0	19.218	36.363	26.024	52.7	32.0	-31.6	45.0	134.6
36.0	19.210	36.360	26.023	52.4	31.6	-29.2	43.0	132.3
37.0	19.182	36.351	26.024	52.7	33.4	-26.6	42.7	128.6
38.0	19.074	36.471	26.144	52.6	25.5	-23.8	34.9	133.0
39.0	19.079	36.414	26.098	50.4	14.6	-10.3	17.9	125.3

Station: 178
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 52.20 N
 Longitude 73 50.10 W
 Time: Year Day Hour Minute
 1981 66 9 10

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	19.515	36.318	25.912	55.1	83.4	-1.7	83.4	91.2
2.0	19.517	36.319	25.913	55.4	89.6	11.9	90.4	82.4
3.0	19.516	36.333	25.927	56.2	92.8	10.9	93.4	83.3
4.0	19.515	36.342	25.931	55.9	94.7	9.0	95.1	84.5
5.0	19.510	36.347	25.936	56.3	91.0	13.8	92.0	81.4
6.0	19.508	36.357	25.944	56.7	80.4	11.8	81.2	81.7
7.0	19.507	36.367	25.951	56.0	78.8	9.1	79.3	83.4
8.0	19.513	36.368	25.951	55.6	77.2	7.7	77.2	89.5
9.0	19.525	36.355	25.938	56.8	71.5	-1.2	71.5	91.0
10.0	19.522	36.340	25.942	57.2	66.9	-3.3	67.0	92.8
11.0	19.518	36.359	25.950	57.2	65.4	-4.4	65.6	93.9
12.0	19.518	36.374	25.954	57.1	66.9	-6.8	67.3	95.8
13.0	19.525	36.371	25.950	57.0	74.9	-5.1	75.0	93.9
14.0	19.526	36.370	25.949	57.6	74.9	-5.5	75.1	94.2
15.0	19.525	36.370	25.949	57.0	76.8	-5.5	77.0	94.1
16.0	19.527	36.368	25.947	57.1	79.1	-3.0	79.2	92.2
17.0	19.522	36.369	25.949	57.4	76.9	.5	76.9	89.6
18.0	19.522	36.370	25.950	56.9	77.6	.7	77.6	89.5
19.0	19.526	36.366	25.946	56.7	75.2	1.7	75.2	88.7
20.0	19.520	36.366	25.947	57.0	72.6	-1.0	72.6	90.8
21.0	19.518	36.363	25.947	56.8	74.8	1.5	74.8	88.8
22.0	19.494	36.376	25.962	55.3	70.8	1.5	70.8	89.6
23.0	19.492	36.375	25.962	55.6	68.1	5.6	68.4	85.8
24.0	19.490	36.372	25.960	55.7	67.9	12.0	68.9	80.0
25.0	19.484	36.373	25.962	55.1	68.4	7.1	68.7	84.1
26.0	19.483	36.373	25.963	55.2	66.2	3.8	66.3	86.7
27.0	19.482	36.374	25.963	54.5	62.9	3.5	63.0	86.8
28.0	19.484	36.369	25.959	55.0	61.1	3.0	61.2	87.1
29.0	19.477	36.374	25.965	54.8	59.5	1.4	59.5	88.6
30.0	19.475	36.374	25.965	54.9	57.9	.2	57.9	89.8
31.0	19.473	36.374	25.966	54.9	56.4	-.9	56.4	90.9
32.0	19.473	36.370	25.963	52.7	54.0	-1.4	54.0	91.5
33.0	19.469	36.366	25.961	54.1	57.1	-2.6	57.1	92.6
34.0	19.459	36.364	25.962	52.3	55.6	-2.4	55.7	92.5
35.0	19.440	36.373	25.974	52.5	51.9	-4.3	52.1	94.7
36.0	19.415	36.343	25.957	52.0	49.5	3.3	49.6	86.2
37.0	19.379	36.228	25.979	50.7	48.9	-1.3	48.9	90.8
38.0	19.341	36.195	25.990	50.0	48.2	-5.4	48.5	96.8
39.0	19.036	36.266	25.997	48.7	48.0	-6.4	48.5	97.6
40.0	18.937	36.309	26.080	48.9	44.7	-7.6	45.4	99.6
41.0	18.735	36.277	26.082	49.0	40.2	-8.1	41.0	101.4
42.0	18.573	36.362	26.188	51.4	38.7	-8.6	39.7	102.5
43.0	18.514	36.376	26.214	51.9	37.0	-7.3	37.8	101.1
44.0	18.486	36.363	26.211	52.6	36.6	-5.1	37.0	97.9
45.0	18.451	36.377	26.230	53.0	34.3	-7.4	35.1	102.2
46.0	18.443	36.382	26.237	51.4	30.9	-7.0	31.7	102.8
47.0	18.447	36.379	26.233	51.6	24.7	-5.1	25.2	101.6
48.0	18.451	36.358	26.216	51.7	26.4	-3.6	26.6	97.7
49.0	18.447	36.340	26.203	51.6	24.7	-7.2	25.7	104.2
50.0	18.420	36.353	26.220	52.0	27.4	-5.6	27.9	101.5
51.0	18.409	36.354	26.223	52.6	21.8	-2.5	22.0	96.6
52.0	18.392	36.359	26.232	52.5	19.2	-1.0	19.2	92.9
53.0	18.383	36.352	26.228	52.6	21.1	-2.9	21.3	97.7
54.0	18.361	36.361	26.241	52.9	22.6	-3.1	22.8	97.9
55.0	18.346	36.370	26.252	52.6	17.2	-3.2	17.5	100.5
56.0	18.338	36.371	26.254	52.8	19.3	-3.3	19.6	100.6
57.0	18.339	36.365	26.250	52.8	19.5	-4.1	19.9	101.8
58.0	18.341	36.362	26.246	52.8	19.6	-4.5	20.1	102.9
59.0	18.341	36.357	26.243	52.6	16.8	-7.0	17.7	113.8
60.0	18.338	36.349	26.238	53.0	17.3	-.5	17.3	91.8

Station: 17S
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 52.20 N
 Longitude 93 50.10 W
 Time: Year Day Hour Minute
 1981 66 9 10

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	18.323	36.342	26.236	52.3	17.6	-4.8	18.2	105.2
62.0	18.305	36.345	26.241	51.9	18.7	-3.4	19.0	100.3
63.0	18.277	36.360	26.261	52.4	16.1	-4.6	16.7	106.1
64.0	18.266	36.362	26.266	52.2	16.2	-5.6	17.2	108.9
65.0	18.255	36.362	26.268	51.8	15.2	-3.2	15.5	102.1
66.0	18.241	36.364	26.273	51.7	17.0	-3.6	17.4	102.0
67.0	18.222	36.360	26.275	51.3	15.1	-1.8	15.2	96.7
68.0	18.203	36.342	26.266	51.5	13.1	.5	13.1	87.9
69.0	18.180	36.315	26.251	51.3	14.2	-1.7	14.2	92.9
70.0	18.100	36.338	26.289	51.1	13.0	.8	13.0	86.4
71.0	18.046	36.343	26.321	51.3	20.7	-2.2	20.8	96.0
72.0	18.017	36.374	26.337	51.2	19.6	-4.7	20.2	103.5
73.0	18.005	36.358	26.328	51.3	16.1	2.6	16.3	80.9
74.0	17.992	36.351	26.326	51.0	15.8	-1.8	15.8	92.9
75.0	17.971	36.359	26.337	50.9	15.3	-1.2	15.3	90.9
76.0	17.955	36.361	26.343	51.9	16.5	-4.2	17.1	104.3
77.0	17.945	36.353	26.339	51.4	13.6	-3.3	14.0	103.6
78.0	17.942	36.341	26.331	50.2	12.8	1.5	12.9	83.3
79.0	17.921	36.347	26.340	50.6	14.5	-5.4	15.5	110.6
80.0	17.919	36.334	26.331	49.9	13.1	-1.6	13.2	97.0
81.0	17.888	36.354	26.354	50.3	17.6	-11.2	20.8	122.5
82.0	17.887	36.349	26.350	49.8	10.5	-3.4	11.0	107.8
83.0	17.883	36.348	26.350	49.8	11.0	-4.2	11.8	110.9
84.0	17.880	36.350	26.353	49.5	9.1	-3.1	9.6	103.7
85.0	17.879	36.352	26.354	49.4	6.7	-2.7	7.2	112.0
86.0	17.880	36.352	26.354	49.4	6.5	-1.6	6.7	104.1
87.0	17.884	36.347	26.349	49.2	8.1	-5.4	9.7	123.6
88.0	17.885	36.345	26.347	49.4	10.0	-2.8	10.4	105.5
89.0	17.884	36.345	26.348	49.3	14.0	-2.0	14.1	98.0

Station: 185
 Cruise : 81-G-3
 Ship : OYRE
 Position: Latitude 27 52.46 N
 Longitude 93 52.31 W
 Time: Year Day Hour Minute
 1981 66 11 10

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.240	36.304	25.711	48.8	8.2	79.2	79.7	5.9
2.0	20.239	36.324	25.723	51.4	11.0	76.3	77.1	8.2
3.0	20.234	36.359	25.753	55.3	28.1	72.1	77.4	21.3
4.0	20.235	36.359	25.753	57.2	11.9	30.4	32.6	21.3
5.0	20.237	36.355	25.750	57.2	-1.1	26.8	26.8	359.9
6.0	20.233	36.363	25.757	57.8	6.5	22.4	23.3	16.2
7.0	20.232	36.348	25.741	56.7	7.9	24.4	25.6	17.9
8.0	20.231	36.374	25.766	57.0	18.4	29.7	35.0	31.3
9.0	20.234	36.372	25.763	55.8	17.3	30.2	34.8	29.8
10.0	20.235	36.372	25.763	56.8	30.0	27.1	40.4	47.9
11.0	20.234	36.376	25.767	56.5	34.9	19.8	40.1	60.4
12.0	20.228	36.383	25.774	55.7	16.3	41.5	44.6	21.4
13.0	20.231	36.380	25.770	56.9	32.0	47.0	56.9	34.2
14.0	20.231	36.364	25.758	56.9	35.2	32.4	47.9	47.4
15.0	20.233	36.384	25.735	55.4	30.4	30.4	43.0	45.0
16.0	20.176	36.361	25.771	55.0	34.3	29.0	44.9	49.7
17.0	20.134	36.394	25.807	54.9	30.6	29.1	41.5	47.5
18.0	20.143	36.386	25.760	54.4	32.8	29.1	43.3	48.4
19.0	20.133	36.367	25.744	55.7	36.2	12.6	38.4	70.7
20.0	20.023	36.284	25.753	56.6	26.6	30.1	40.2	41.5
21.0	19.911	36.267	25.725	56.4	34.1	11.6	36.0	71.2
22.0	19.598	36.391	25.946	55.8	25.3	25.0	35.5	45.3
23.0	19.544	36.370	25.945	55.3	27.9	25.8	38.0	47.2
24.0	19.481	36.375	25.964	53.3	22.9	26.6	35.1	40.7
25.0	19.463	36.372	25.967	55.4	26.2	26.3	37.1	44.9
26.0	19.456	36.365	25.963	54.1	20.7	26.0	33.2	38.6
27.0	19.439	36.344	25.952	53.7	16.7	24.9	30.0	33.9
28.0	19.434	36.306	25.924	54.2	17.9	27.0	32.4	33.5
29.0	19.345	36.340	25.983	54.3	7.6	32.6	33.5	13.1
30.0	19.321	36.357	25.993	54.2	9.6	28.9	30.5	18.4
31.0	19.297	36.351	25.994	54.1	11.6	25.3	27.8	24.7
32.0	19.273	36.354	26.003	54.1	13.6	21.6	25.5	32.2
33.0	19.253	36.363	26.015	54.2	11.8	28.7	31.0	22.4
34.0	19.249	36.357	26.011	53.1	10.7	22.1	24.5	25.9
35.0	19.244	36.352	26.009	53.9	15.0	23.0	27.5	33.2
36.0	19.228	36.355	26.015	53.3	14.6	18.9	23.9	37.7
37.0	19.221	36.354	26.016	53.8	12.6	23.2	26.5	28.9
38.0	19.215	36.352	26.016	53.6	10.9	25.6	27.8	23.1
39.0	19.213	36.343	26.010	52.4	9.7	27.4	29.0	19.6
40.0	19.201	36.343	26.013	52.2	10.1	22.1	24.3	24.6
41.0	19.191	36.343	26.015	52.9	10.2	26.9	28.8	20.7
42.0	19.179	36.346	26.021	50.5	8.5	16.0	18.1	28.2
43.0	19.171	36.340	26.018	52.4	11.0	20.1	22.9	28.8
44.0	19.154	36.337	26.021	53.0	10.3	16.2	19.2	32.5
45.0	19.133	36.349	26.035	52.6	7.4	21.4	22.6	19.1
46.0	19.115	36.343	26.035	52.8	12.5	17.3	21.4	35.8
47.0	19.092	36.331	26.032	51.9	9.9	14.5	17.5	34.3
48.0	19.067	36.320	26.030	52.1	7.7	20.1	21.5	20.8
49.0	19.031	36.317	26.037	51.3	4.5	19.1	19.6	13.2
50.0	18.975	36.341	26.070	51.3	1.8	25.7	25.8	4.0
51.0	18.938	36.352	26.087	50.2	-2.6	22.8	23.0	353.5
52.0	18.907	36.371	26.110	49.8	-2.9	18.4	18.6	351.0
53.0	18.877	36.392	26.134	49.5	-3.3	14.0	14.4	346.9
54.0	18.841	36.346	26.108	48.7	-4.4	11.2	12.0	338.7
55.0	18.720	36.371	26.158	46.9	-1.9	11.5	11.7	350.5
56.0	18.599	36.405	26.215	45.2	-7.0	19.6	20.8	340.4
57.0	18.530	36.337	26.213	46.9	-8.4	13.9	16.2	328.8
58.0	18.494	36.391	26.230	48.4	-11.0	29.3	31.3	339.4
59.0	18.481	36.372	26.219	49.5	-14.4	29.0	32.3	333.6
60.0	18.469	36.355	26.210	47.8	-12.1	31.8	34.0	339.3

Station: 188
 Cruise : 81-5-3
 Ship : GYRE
 Position: Latitude 27 52.46 N
 Longitude 93 52.31 W
 Time: Year Day Hour Minute
 1981 66 11 10

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	18.447	36.347	26.208	50.1	-11.9	25.1	27.8	334.5
62.0	18.410	36.347	26.218	50.1	-12.9	23.6	26.9	331.4
63.0	18.358	36.334	26.221	50.0	-12.8	23.6	26.8	331.4
64.0	18.323	36.296	26.201	49.7	-13.0	26.0	29.1	333.4
65.0	18.243	36.308	26.230	50.7	-11.0	33.5	35.2	341.9
66.0	18.169	36.302	26.244	49.6	-12.1	26.1	28.8	335.1
67.0	18.096	36.318	26.275	50.0	-12.7	29.6	32.2	336.8
68.0	18.025	36.349	26.316	48.9	-10.8	25.9	28.0	337.4
69.0	17.971	36.363	26.340	49.7	-15.0	34.2	37.3	336.4
70.0	17.943	36.424	26.394	49.9	-13.5	39.4	41.6	341.1
71.0	17.933	36.356	26.344	50.5	-12.0	32.1	34.2	339.5
72.0	17.891	36.323	26.329	50.1	-12.5	23.7	26.8	332.2
73.0	17.798	36.354	26.376	49.7	-13.0	21.4	25.1	328.7
74.0	17.772	36.354	26.383	50.3	-8.8	23.3	29.6	342.7
75.0	17.747	36.342	26.379	50.4	-7.5	29.0	30.0	345.4
76.0	17.736	36.317	26.363	49.8	-8.6	22.1	23.7	338.7
77.0	17.676	36.343	26.397	49.6	-8.3	25.8	27.1	342.2
78.0	17.647	36.344	26.405	48.2	-8.8	18.4	20.4	334.6
79.0	17.640	36.340	26.404	48.8	-7.0	27.7	28.5	345.8
80.0	17.433	36.334	26.401	47.8	-6.8	22.1	23.2	343.0
81.0	17.627	36.332	26.401	48.0	-1.2	21.7	21.7	356.8
82.0	17.623	36.330	26.401	47.5	.6	23.2	23.2	1.5
83.0	17.620	36.330	26.401	47.4	.2	19.4	19.4	.7
84.0	17.616	36.329	26.402	47.2	.7	22.3	22.8	1.7
85.0	17.609	36.328	26.403	46.9	-1.4	25.6	25.6	359.1
86.0	17.604	36.325	26.401	46.2	-1.9	23.5	23.6	355.4
87.0	17.598	36.327	26.404	45.8	-4.9	14.6	15.4	341.6
88.0	17.584	36.331	26.411	46.1	-3.9	22.2	22.6	350.0
89.0	17.580	36.317	26.401	45.4	.4	11.2	11.2	2.1
90.0	17.571	36.314	26.401	45.0	.7	13.6	13.6	2.9
91.0	17.552	36.323	26.413	45.2	3.5	20.6	20.8	9.6
92.0	17.539	36.317	26.412	44.9	1.8	14.2	14.3	7.2
93.0	17.534	36.330	26.422	44.3	2.3	14.0	14.2	9.5
94.0	17.506	36.336	26.434	43.8	5.0	7.4	9.0	34.0

Station: 198
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.03 N
 Longitude 93 55.92 W
 Time: Year Day Hour Minute
 1981 66 13 16

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	20.223	36.195	25.632	56.8	70.8	-32.6	78.0	114.7
3.0	20.229	36.217	25.646	56.0	72.9	-39.1	78.0	111.9
4.0	20.230	36.259	25.678	56.9	65.8	-21.7	69.3	108.3
5.0	20.231	36.276	25.691	56.8	66.6	-17.0	68.7	104.3
6.0	20.233	36.262	25.680	57.0	74.8	-17.9	76.9	103.5
7.0	20.233	36.265	25.682	56.1	74.2	-19.4	76.8	104.3
8.0	20.237	36.280	25.693	57.0	68.4	-21.6	71.7	107.3
9.0	20.238	36.311	25.715	57.2	71.6	-22.9	75.1	107.7
10.0	20.238	36.337	25.736	57.3	64.8	-22.8	68.7	109.4
11.0	20.240	36.346	25.742	56.7	65.6	-21.4	69.0	108.0
12.0	20.241	36.355	25.748	57.5	63.6	-23.7	67.9	110.4
13.0	20.241	36.361	25.753	57.1	62.4	-22.9	66.5	110.1
14.0	20.241	36.359	25.752	57.2	67.1	-23.3	71.2	109.3
15.0	20.242	36.360	25.752	57.2	66.1	-23.8	70.3	109.8
16.0	20.240	36.362	25.754	57.0	67.5	-23.3	71.4	109.0
17.0	20.238	36.364	25.756	56.8	68.9	-22.7	72.5	108.3
18.0	20.237	36.363	25.756	56.6	70.2	-22.2	73.6	107.5
19.0	20.231	36.363	25.758	56.5	74.6	-21.5	77.6	106.1
20.0	20.226	36.364	25.759	56.2	68.6	-23.3	72.5	108.3
21.0	20.216	36.368	25.765	56.3	71.1	-21.1	74.1	106.5
22.0	20.207	36.369	25.768	56.3	62.4	-25.0	67.2	111.8
23.0	20.192	36.373	25.775	56.6	66.6	-25.1	71.1	110.7
24.0	20.177	36.343	25.757	55.8	61.9	-29.3	68.5	119.3
25.0	20.107	36.342	25.774	55.5	59.4	-29.4	66.3	116.3
26.0	19.989	36.386	25.839	55.7	56.0	-33.4	65.2	120.9
27.0	19.956	36.360	25.823	55.0	58.1	-35.6	68.1	121.5
28.0	19.891	36.257	25.767	55.1	53.6	-36.4	64.8	124.1
29.0	19.711	36.235	25.798	54.2	51.6	-36.9	63.4	125.6
30.0	19.443	36.333	25.979	55.0	50.5	-32.3	59.9	122.6
31.0	19.410	36.380	25.987	54.0	50.0	-38.4	63.0	127.3
32.0	19.390	36.402	26.009	54.0	46.5	-34.8	58.1	126.3
33.0	19.391	36.401	26.008	53.0	46.4	-35.4	58.4	127.3
34.0	19.390	36.403	26.010	53.0	40.7	-34.2	53.2	130.0
35.0	19.389	36.402	26.009	52.6	40.8	-33.3	52.7	129.3
36.0	19.390	36.386	25.997	53.0	39.2	-34.2	52.0	131.2
37.0	19.385	36.381	25.994	53.2	41.1	-31.2	51.6	127.2
38.0	19.385	36.385	25.997	53.1	36.5	-33.8	49.7	132.3
39.0	19.379	36.377	25.992	52.7	39.5	-31.9	50.3	129.0
40.0	19.375	36.362	25.982	53.4	36.2	-32.9	48.9	132.2
41.0	19.364	36.361	25.985	53.0	34.3	-32.3	47.1	133.3
42.0	19.354	36.360	25.987	53.0	34.5	-32.2	47.2	133.0
43.0	19.344	36.359	25.989	52.9	34.7	-32.1	47.3	132.7
44.0	19.333	36.345	25.980	52.9	34.9	-32.0	47.4	132.5
45.0	19.323	36.305	25.952	52.9	35.2	-31.9	47.5	132.2
46.0	19.248	36.305	25.972	51.9	27.7	-35.8	45.3	142.3
47.0	19.174	36.300	25.987	52.1	29.2	-35.4	45.9	140.3
48.0	19.115	36.311	26.010	50.2	24.3	-38.0	45.1	147.4
49.0	19.056	36.324	26.036	48.2	19.3	-40.5	44.9	154.5
50.0	19.014	36.275	26.009	49.6	25.4	-36.0	44.0	144.3
51.0	18.920	36.303	26.033	49.7	26.3	-35.3	44.0	143.3
52.0	18.834	36.360	26.120	50.2	25.3	-31.1	40.1	140.9
53.0	18.739	36.343	26.119	49.3	23.5	-32.2	39.9	143.9
54.0	18.751	36.291	26.089	49.2	23.9	-32.6	40.5	143.3
55.0	18.646	36.314	26.133	47.4	19.5	-30.6	36.3	147.4
56.0	18.525	36.414	26.240	47.8	18.5	-31.3	36.4	149.5
57.0	18.463	36.410	26.253	47.3	14.7	-32.0	35.2	155.2
58.0	18.363	36.386	26.239	48.4	13.6	-33.7	36.3	158.1
59.0	18.305	36.363	26.260	50.7	12.0	-30.0	32.4	158.2
60.0	18.235	36.358	26.270	51.2	14.0	-26.4	29.3	152.1
61.0	18.091	36.403	26.344	50.0	17.4	-23.1	33.0	143.3

Station: 198
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 54.03 N
 Longitude 93 55.99 W
 Time: Year Day Hour Minute
 1981 66 13 16

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	18.068	36.343	26.320	50.0	11.9	-26.9	29.5	156.1
63.0	18.045	36.355	26.316	50.0	6.5	-25.8	26.6	165.2
64.0	18.026	36.347	26.314	50.3	11.3	-25.0	27.4	155.6
65.0	18.006	36.344	26.317	49.1	5.0	-26.2	26.7	169.2
66.0	17.985	36.345	26.322	48.0	-1.2	-27.5	27.5	182.5
67.0	17.970	36.342	26.324	49.6	3.0	-25.2	25.4	173.2
68.0	17.956	36.341	26.327	51.3	7.2	-22.9	24.0	162.6
69.0	17.937	36.339	26.330	49.3	-1.3	-25.5	25.6	182.9
70.0	17.918	36.324	26.323	47.3	-9.8	-28.2	29.8	199.2
71.0	17.893	36.300	26.311	44.3	-2.4	-32.0	32.1	184.3
72.0	17.827	36.324	26.346	47.1	-1.2	-27.4	27.4	182.4
73.0	17.777	36.355	26.382	47.5	5.5	-26.4	27.0	168.2
74.0	17.755	36.358	26.390	46.1	11.4	-23.2	25.9	153.6
75.0	17.735	36.356	26.393	46.6	5.7	-26.4	27.0	167.9
76.0	17.714	36.341	26.387	45.0	6.7	-26.2	27.0	165.6
77.0	17.661	36.348	26.405	45.7	6.9	-28.3	29.1	166.2
78.0	17.625	36.352	26.417	45.0	8.8	-26.7	28.1	161.8
79.0	17.608	36.284	26.369	44.3	11.9	-25.7	28.3	155.1
80.0	17.590	36.190	26.302	44.5	15.0	-24.7	28.9	148.6
81.0	17.448	36.235	26.371	45.0	19.0	-22.7	29.6	140.0
82.0	17.367	36.242	26.396	44.8	13.7	-25.8	29.2	152.1
83.0	17.263	36.307	26.471	44.3	10.3	-24.5	26.6	157.2
84.0	17.237	36.319	26.486	44.0	10.8	-23.9	26.3	155.7
85.0	17.216	36.312	26.486	43.9	11.9	-24.3	27.5	154.4
86.0	17.194	36.293	26.477	43.7	13.0	-25.7	28.8	158.2
87.0	17.153	36.279	26.476	44.1	9.7	-26.3	28.0	159.3
88.0	17.111	36.265	26.476	44.9	12.2	-25.0	27.8	153.9
89.0	17.046	36.244	26.490	45.3	7.6	-25.2	26.3	163.2
90.0	16.993	36.261	26.500	44.2	5.1	-26.4	26.9	169.1
91.0	16.955	36.271	26.517	44.9	13.2	-21.0	24.8	147.9
92.0	16.927	36.273	26.526	44.4	10.4	-21.4	23.8	154.2
93.0	16.899	36.267	26.528	43.8	7.5	-21.8	23.0	160.9
94.0	16.871	36.259	26.529	43.3	4.7	-22.2	22.6	163.0
95.0	16.839	36.261	26.537	43.8	.7	-17.9	17.9	177.8
96.0	16.824	36.265	26.544	43.8	5.6	-22.5	23.2	166.1
97.0	16.761	36.263	26.558	42.5	4.6	-23.3	23.8	169.0
98.0	16.560	36.259	26.602	37.5	1.7	-27.3	27.4	176.4
99.0	16.419	36.261	26.637	33.7	3.1	-24.0	24.2	172.6
100.0	16.358	36.260	26.650	33.0	3.8	-23.4	23.7	170.9
101.0	16.337	36.257	26.653	32.5	6.2	-17.8	18.8	160.9

Station: 208
 Cruise : 81-0-3
 Ship : GYRE
 Position: Latitude 27 46.95 N
 Longitude 93 55.47 W
 Time: Year Day Hour Minute
 1981 66 14 34

Depth m	Temp deg C	Sal prt	Sigma-t ke/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
2.0	20.5884	36.378	25.674	59.6	35.1	12.2	37.1	70.9
3.0	20.5884	36.379	25.674	58.1	35.3	10.7	36.9	73.1
4.0	20.5883	36.378	25.674	59.1	33.6	5.0	34.0	81.6
5.0	20.579	36.379	25.674	59.4	28.6	10.6	30.5	69.6
6.0	20.579	36.378	25.675	60.3	41.3	3.2	41.4	85.6
7.0	20.581	36.374	25.674	59.9	36.1	5.1	36.4	82.0
8.0	20.581	36.377	25.674	59.9	36.1	1.9	36.2	87.1
9.0	20.581	36.379	25.675	60.2	35.6	-3.9	35.8	96.3
10.0	20.582	36.378	25.674	59.8	36.6	-2.7	36.7	94.2
11.0	20.581	36.379	25.675	60.6	36.6	-4.8	36.9	97.4
12.0	20.589	36.378	25.674	60.3	32.7	-9.0	33.9	105.5
13.0	20.589	36.377	25.673	59.7	35.4	-6.0	35.9	99.6
14.0	20.589	36.378	25.673	59.9	36.3	-8.1	37.2	102.6
15.0	20.588	36.377	25.672	59.0	34.9	-7.5	35.7	102.1
16.0	20.588	36.377	25.672	59.4	34.5	-16.6	36.3	115.6
17.0	20.588	36.378	25.673	58.9	34.6	-12.0	36.4	109.2
18.0	20.589	36.378	25.673	59.0	35.1	-9.7	36.4	105.4
19.0	20.589	36.378	25.672	59.2	31.9	-10.6	33.6	108.4
20.0	20.590	36.378	25.673	59.4	34.1	-9.3	35.4	105.2
21.0	20.589	36.378	25.673	58.6	34.4	-4.4	34.7	87.2
22.0	20.589	36.378	25.672	59.0	30.8	-9.6	32.2	107.3
23.0	20.590	36.377	25.672	58.5	32.5	-5.8	33.0	100.1
24.0	20.590	36.378	25.672	58.6	33.9	-4.0	34.1	96.7
25.0	20.590	36.378	25.673	58.7	35.3	-2.1	35.4	93.4
26.0	20.590	36.379	25.673	58.8	36.7	-1.3	36.7	90.4
27.0	20.590	36.378	25.672	58.4	34.5	-2.6	34.6	94.2
28.0	20.591	36.379	25.672	57.8	34.3	-4.0	34.5	96.6
29.0	20.591	36.378	25.672	57.9	29.4	-4.9	29.8	99.5
30.0	20.590	36.378	25.672	58.2	29.0	-5.3	29.5	100.4
31.0	20.591	36.378	25.672	57.5	29.0	-2.3	29.1	94.6
32.0	20.591	36.378	25.672	58.4	29.1	-2.8	29.2	94.5
33.0	20.591	36.377	25.671	57.9	28.0	-2.0	28.0	94.0
34.0	20.591	36.375	25.670	57.0	30.0	-1.3	30.0	90.9
35.0	20.585	36.372	25.674	58.5	34.6	3.7	34.8	83.9
36.0	20.585	36.378	25.673	57.3	30.2	1.6	30.2	86.9
37.0	20.583	36.380	25.674	57.5	33.8	3.6	34.0	84.0
38.0	20.583	36.382	25.677	57.6	28.5	2.6	28.6	88.6
39.0	20.583	36.378	25.674	56.4	29.5	2.1	29.6	85.9
40.0	20.581	36.375	25.672	57.0	20.9	2.5	21.0	80.2
41.0	20.574	36.378	25.677	56.9	26.4	2.1	26.5	85.5
42.0	20.571	36.378	25.678	57.0	29.7	4.5	30.0	81.4
43.0	20.570	36.374	25.675	56.3	28.4	3.7	28.6	82.6
44.0	20.565	36.366	25.670	56.5	27.8	1.0	27.8	87.9
45.0	20.541	36.360	25.672	56.4	26.8	1.9	26.8	86.0
46.0	20.498	36.344	25.671	56.2	25.1	-1.3	25.1	93.0
47.0	20.437	36.353	25.694	56.5	24.0	-1.4	24.0	93.3
48.0	20.395	36.372	25.720	55.5	24.3	-1.9	24.4	95.4
49.0	20.370	36.379	25.732	56.1	28.9	-1.3	28.9	92.5
50.0	20.360	36.374	25.731	56.2	28.3	-1.0	28.4	91.9
51.0	20.350	36.391	25.739	56.2	27.8	-1.6	27.8	91.3
52.0	20.340	36.366	25.730	56.3	27.2	-1.3	27.2	90.7
53.0	20.310	36.358	25.732	56.1	30.9	2.6	31.0	85.2
54.0	20.257	36.381	25.764	56.7	24.8	-1.1	24.9	92.6
55.0	20.224	36.397	25.785	54.8	27.9	-1.3	27.9	88.3
56.0	20.189	36.404	25.800	55.1	26.5	-1.3	26.5	92.8
57.0	20.179	36.379	25.784	54.6	25.6	-1.3	25.7	91.9
58.0	20.152	36.380	25.791	55.1	25.3	1.4	25.3	86.9
59.0	20.135	36.374	25.792	54.6	27.1	.9	27.1	88.2
60.0	20.117	36.382	25.802	54.9	24.3	3.5	24.6	81.7
61.0	20.096	36.383	25.808	55.0	28.9	5.5	29.4	79.2

Station: 205
 Cruise : 01-G-3
 Ship : GYRE
 Position: Latitude 27 46.95 N
 Longitude 93 55.67 W
 Time: Year Day Hour Minute
 1981 66 14 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
62.0	20.079	36.367	25.801	55.2	25.3	2.4	25.4	84.6
63.0	20.056	36.359	25.801	54.7	26.6	5.7	27.2	77.9
64.0	20.025	36.347	25.800	55.4	31.6	7.4	32.4	76.9
65.0	20.000	36.317	25.784	54.7	25.6	7.2	26.5	74.3
66.0	19.955	36.303	25.789	54.8	27.1	6.0	27.8	77.6
67.0	19.896	36.322	25.815	54.4	26.5	4.4	26.8	80.5
68.0	19.837	36.350	25.852	54.0	25.8	2.9	26.0	83.7
69.0	19.832	36.336	25.847	55.0	25.6	1.7	25.6	86.2
70.0	19.795	36.347	25.861	54.7	28.0	-1.1	28.1	93.6
71.0	19.786	36.350	25.866	55.0	26.3	-1.7	26.8	90.1
72.0	19.778	36.344	25.865	55.0	26.8	-1.3	26.9	90.7
73.0	19.773	36.340	25.860	57.0	20.7	-1.5	20.7	91.4
74.0	19.769	36.342	25.864	55.9	25.1	1.0	25.2	87.7
75.0	19.759	36.346	25.869	55.6	28.0	-1.2	28.0	90.4
76.0	19.760	36.342	25.867	55.4	27.4	-2.0	27.5	94.1
77.0	19.761	36.345	25.868	55.2	26.8	-3.7	27.1	97.9
78.0	19.762	36.359	25.879	55.0	25.0	-1.1	25.0	92.5
79.0	19.775	36.364	25.879	54.0	27.8	1.3	27.9	86.4
80.0	19.788	36.354	25.869	54.3	28.8	.0	28.8	90.0
81.0	19.791	36.357	25.869	54.6	25.7	.9	25.8	88.0
82.0	19.793	36.360	25.871	55.0	25.6	2.0	25.7	86.8
83.0	19.794	36.360	25.871	55.3	24.3	2.0	24.4	85.4
84.0	19.786	36.366	25.877	54.0	24.3	1.2	24.3	87.2
85.0	19.779	36.357	25.872	52.8	24.3	.4	24.3	89.0
86.0	19.759	36.349	25.872	53.8	26.8	2.2	26.9	85.2
87.0	19.733	36.355	25.883	53.7	26.9	-2.2	27.0	94.7
88.0	19.705	36.363	25.896	54.0	26.3	-1.0	26.3	90.1
89.0	19.672	36.372	25.912	54.0	28.1	.6	28.1	88.8
90.0	19.657	36.366	25.912	54.2	22.7	-1.2	22.7	93.0
91.0	19.616	36.390	25.941	54.0	23.9	-1.5	23.9	91.2
92.0	19.617	36.391	25.941	54.6	23.9	.8	23.9	88.0
93.0	19.609	36.398	25.949	54.1	25.4	.6	25.4	88.5
94.0	19.613	36.376	25.931	54.3	24.6	3.1	24.6	82.8
95.0	19.595	36.362	25.925	53.8	27.1	4.0	27.4	81.7
96.0	19.544	36.324	25.909	53.9	29.1	4.1	29.4	82.0
97.0	19.453	36.248	25.875	53.4	27.6	4.6	28.0	80.5
98.0	19.199	36.379	26.041	53.8	28.5	2.2	28.6	85.4
99.0	19.165	36.370	26.043	52.3	27.0	4.5	27.4	80.5
100.0	19.146	36.351	26.033	52.3	27.6	4.4	28.0	80.9
101.0	19.101	36.333	26.069	52.8	27.6	4.3	28.0	80.0
102.0	19.097	36.338	26.051	53.3	27.8	3.6	28.1	82.6
103.0	19.092	36.333	26.033	53.3	28.0	2.4	28.1	85.1
104.0	19.040	36.359	26.067	52.5	27.5	4.9	27.9	79.9
105.0	19.008	36.370	26.083	52.4	23.1	5.0	23.6	77.7
106.0	18.969	36.381	26.102	52.4	23.9	8.5	25.4	70.5
107.0	18.947	36.366	26.096	52.0	26.2	7.3	27.4	73.5
108.0	18.909	36.349	26.093	52.4	23.1	8.5	24.6	69.9
109.0	18.844	36.342	26.104	51.2	26.6	12.3	29.3	65.1
110.0	18.788	36.333	26.107	51.9	31.6	9.6	33.1	73.1
111.0	18.741	36.325	26.118	50.8	21.9	12.6	25.3	60.0
112.0	18.691	36.349	26.149	50.7	23.4	5.9	29.0	78.2
113.0	18.681	36.351	26.152	50.3	25.3	3.0	26.6	72.4
114.0	18.671	36.363	26.164	50.0	22.3	10.1	24.5	65.5
115.0	18.674	36.354	26.156	50.3	24.9	12.3	28.0	62.9
116.0	18.668	36.351	26.156	50.2	26.1	7.3	27.1	74.4
117.0	18.658	36.360	26.165	50.1	24.0	3.9	25.6	69.7
118.0	18.647	36.358	26.166	50.1	23.7	9.9	25.7	67.4
119.0	18.635	36.342	26.157	50.0	16.7	7.3	18.2	66.4
120.0	18.611	36.343	26.164	49.7	19.9	9.3	22.0	64.9
121.0	18.561	36.353	26.185	48.6	22.5	3.8	24.2	68.6

Station: 205
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 46.95 N
 Longitude 98 55.67 W
 Time: Year Day Hour Minute
 1981 66 14 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
122.0	18.528	36.334	26.179	48.3	17.0	7.7	18.7	65.8
123.0	18.504	36.299	26.157	48.9	24.4	9.7	24.2	48.3
124.0	18.478	36.257	26.132	49.2	26.3	12.3	29.0	64.9
125.0	18.395	36.290	26.181	48.2	24.8	12.0	27.5	64.2
126.0	18.292	36.351	26.250	47.3	23.3	11.6	26.0	63.5
127.0	18.254	36.369	26.274	47.1	24.3	12.3	27.2	63.2
128.0	18.200	36.361	26.281	46.9	20.4	10.0	22.8	63.9
129.0	18.142	36.337	26.279	46.7	17.8	8.1	19.4	65.6
130.0	18.117	36.289	26.247	46.3	19.4	11.0	22.3	60.5
131.0	17.970	36.357	26.336	46.2	20.4	6.1	21.3	73.4
132.0	17.933	36.342	26.338	46.3	19.9	8.4	21.6	67.1
133.0	17.899	36.350	26.332	44.9	21.4	9.2	23.3	66.7
134.0	17.853	36.335	26.349	46.3	27.7	8.6	29.0	72.7
135.0	17.813	36.336	26.359	44.8	22.4	7.3	23.6	72.1
136.0	17.787	36.317	26.350	45.7	21.0	7.4	22.3	70.6
137.0	17.742	36.314	26.361	45.2	20.8	6.6	21.8	72.5
138.0	17.679	36.347	26.400	45.6	20.0	6.0	20.9	73.4
139.0	17.654	36.338	26.398	44.2	19.8	7.9	21.3	68.1
140.0	17.617	36.353	26.419	44.3	21.1	5.6	21.8	75.0
141.0	17.580	36.371	26.443	43.6	18.6	7.2	19.9	68.8
142.0	17.545	36.395	26.470	43.0	10.2	5.8	11.7	60.6
143.0	17.530	36.379	26.463	42.7	13.1	4.7	13.9	70.4
144.0	17.459	36.391	26.488	42.3	9.2	1.7	9.4	79.6
145.0	17.435	36.365	26.489	41.8	12.3	4.8	13.2	66.7
146.0	17.405	36.367	26.482	41.8	15.3	5.0	16.1	71.3
147.0	17.362	36.344	26.471	41.8	16.1	5.0	16.8	72.8
148.0	17.359	36.382	26.467	41.7	16.9	4.9	17.6	73.8
149.0	17.337	36.312	26.461	41.2	18.2	7.4	19.6	67.9
150.0	17.292	36.333	26.484	41.2	19.4	5.1	20.1	75.2
151.0	17.283	36.384	26.487	41.3	17.4	6.8	18.7	68.6
152.0	17.264	36.389	26.495	41.5	16.9	7.6	18.5	65.9
153.0	17.234	36.328	26.489	41.4	13.8	7.5	15.7	61.4
154.0	17.240	36.290	26.456	41.7	14.5	7.6	16.4	62.2
155.0	17.225	36.213	26.408	42.0	15.2	7.8	17.1	63.0
156.0	17.073	36.232	26.497	44.2	16.2	10.4	19.2	57.2
157.0	17.021	36.260	26.493	45.7	18.6	10.2	21.2	61.3
158.0	16.936	36.249	26.493	46.3	19.2	11.8	22.6	58.5
159.0	16.960	36.220	26.477	46.3	22.1	11.6	24.9	62.2
160.0	16.923	36.200	26.470	46.8	17.1	13.4	21.7	51.9
161.0	16.851	36.241	26.519	48.2	14.9	11.1	18.6	53.2
162.0	16.827	36.236	26.521	49.4	17.2	11.5	20.7	56.2
163.0	16.801	36.214	26.511	48.9	16.3	12.2	20.4	53.3
164.0	16.794	36.173	26.480	50.6	23.3	7.5	24.4	72.2
165.0	16.737	36.182	26.501	49.3	24.2	11.8	26.9	64.0
166.0	16.706	36.145	26.495	50.3	30.0	9.9	31.6	71.8
167.0	16.643	36.179	26.514	50.3	28.4	10.1	30.1	70.5
168.0	16.580	36.186	26.541	49.8	26.7	10.3	28.6	69.0
169.0	16.551	36.182	26.545	50.3	13.3	11.4	17.5	49.5
170.0	16.506	36.203	26.572	50.7	15.9	13.6	20.9	49.4
171.0	16.476	36.233	26.602	50.9	12.0	12.1	17.1	44.9
172.0	16.399	36.245	26.629	51.2	6.6	10.2	12.1	32.9
173.0	16.329	36.207	26.616	51.3	4.3	11.6	12.4	20.4
174.0	16.313	36.177	26.597	51.3	10.1	11.7	15.5	40.8
175.0	16.301	36.182	26.603	52.9	12.5	11.9	17.3	46.3
176.0	16.272	36.231	26.643	52.6	11.5	12.9	17.3	41.9
177.0	16.258	36.213	26.642	51.3	8.3	12.5	15.0	33.5
178.0	16.235	36.170	26.610	52.1	8.4	12.0	14.7	35.0
179.0	16.182	36.145	26.613	52.4	10.7	12.4	14.4	40.9
180.0	16.157	36.174	26.631	51.7	15.4	12.9	20.0	50.0
181.0	16.103	36.214	26.675	51.7	13.8	14.3	19.9	44.1

Station: 208
 Cruise : 81-G-3
 Ship : OYRE
 Position: Latitude 27 46.95 N
 Longitude 93 55.67 W
 Time: Year Day Hour Minute
 1981 66 14 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
182.0	16.065	36.209	26.679	51.9	9.7	12.6	15.9	37.5
183.0	16.029	36.188	26.671	52.0	10.6	14.9	18.3	35.4
184.0	15.978	36.175	26.673	52.1	11.4	15.2	19.0	36.8
185.0	15.948	36.156	26.666	51.7	12.0	16.6	20.4	35.9
186.0	15.933	36.141	26.657	51.3	14.1	16.4	21.7	40.7
187.0	15.912	36.117	26.644	51.9	14.3	16.0	21.5	41.7
188.0	15.892	36.104	26.638	51.7	17.6	16.8	24.3	46.2
189.0	15.874	36.096	26.637	52.4	17.6	3.6	18.0	78.5
190.0	15.846	36.112	26.655	51.7	30.4	23.7	38.6	52.0
191.0	15.838	36.101	26.648	52.3	29.4	14.8	32.9	63.2
192.0	15.817	36.083	26.640	52.2	16.1	16.8	23.3	43.8
193.0	15.794	36.074	26.638	51.7	16.0	16.6	23.1	44.0
194.0	15.754	36.095	26.663	52.0	25.4	14.2	29.1	60.3
195.0	15.745	36.100	26.669	51.4	22.0	15.7	27.1	54.4
196.0	15.739	36.097	26.668	51.5	16.2	16.8	23.3	43.9
197.0	15.735	36.070	26.649	52.0	10.8	18.9	21.8	29.9
198.0	15.727	36.038	26.626	52.1	18.2	14.3	23.1	51.8
199.0	15.681	36.041	26.638	51.9	41.8	15.8	44.7	69.2
200.0	15.615	36.063	26.674	51.4	38.4	23.1	44.8	59.0
201.0	15.572	36.082	26.694	52.3	36.7	28.8	46.7	51.9
202.0	15.564	36.047	26.669	52.0	48.9	8.4	49.6	80.2
203.0	15.548	36.028	26.658	51.8	40.3	22.6	46.2	60.7
204.0	15.520	36.042	26.675	53.0	45.7	7.4	46.3	80.8
205.0	15.505	36.046	26.682	52.5	47.4	8.8	48.2	79.4
206.0	15.497	36.027	26.669	51.3	45.5	13.5	47.5	73.5
207.0	15.486	36.013	26.661	51.8	31.1	13.3	33.8	66.9
208.0	15.444	36.032	26.685	51.5	22.9	16.0	28.0	55.1
209.0	15.430	36.022	26.681	51.5	18.8	18.2	26.1	46.0
210.0	15.412	36.024	26.686	51.4	20.9	18.2	27.7	49.0
211.0	15.393	36.027	26.693	51.0	23.6	15.7	28.4	56.4
212.0	15.389	36.019	26.687	52.0	18.7	18.4	26.3	45.6
213.0	15.365	36.035	26.705	51.6	22.1	14.0	26.2	57.7
214.0	15.352	36.030	26.704	51.7	15.6	17.0	23.1	42.4
215.0	15.335	36.027	26.706	51.4	16.3	15.5	22.5	46.5
216.0	15.330	36.031	26.710	51.0	17.9	16.3	24.2	47.7
217.0	15.325	36.039	26.717	51.4	16.2	18.5	24.6	41.2
218.0	15.320	36.037	26.717	51.2	13.5	18.1	22.6	36.6
219.0	15.308	36.032	26.716	51.0	9.7	18.8	21.2	27.1
220.0	15.301	36.020	26.708	51.0	12.1	17.4	21.2	34.9
221.0	15.285	36.019	26.711	51.1	13.7	17.8	22.4	37.5
222.0	15.278	36.028	26.719	50.7	19.0	15.4	24.5	50.9
223.0	15.274	36.024	26.717	52.6	19.2	12.7	23.0	56.5

Station: 218
 Cruise : 81-G-3
 Ship : OYRE
 Position: Latitude 27 36.87 N
 Longitude 93 55.64 W
 Time: Year Day Hour Minute
 1981 86 16 49

Depth m	Temp deg C	Sal Pct	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	21.035	36.138	25.368	54.5	71.9	5.3	72.1	85.8
3.0	21.037	36.137	25.368	55.4	70.0	7.2	70.4	84.1
4.0	21.040	36.136	25.366	54.8	61.2	7.5	61.7	83.1
5.0	21.040	36.136	25.366	54.8	65.1	10.4	65.9	80.9
6.0	21.040	36.137	25.367	54.8	53.1	15.0	55.2	74.3
7.0	21.040	36.137	25.367	54.8	54.8	10.7	55.8	79.0
8.0	21.041	36.138	25.367	54.6	49.1	11.9	50.5	76.3
9.0	21.042	36.138	25.367	54.8	54.1	13.1	55.7	76.4
10.0	21.043	36.142	25.370	54.9	51.9	10.6	53.0	78.5
11.0	21.043	36.146	25.373	54.9	48.6	9.7	49.6	78.7
12.0	21.044	36.150	25.375	55.4	48.0	8.8	48.8	79.6
13.0	21.044	36.157	25.380	54.8	48.9	6.1	48.2	82.9
14.0	21.042	36.167	25.389	55.4	47.7	5.8	48.0	83.1
15.0	21.039	36.173	25.398	55.4	49.0	7.8	49.6	80.9
16.0	21.033	36.189	25.408	55.4	46.6	9.5	47.5	78.4
17.0	21.021	36.202	25.421	55.3	49.7	10.4	50.8	78.2
18.0	20.994	36.219	25.441	55.3	44.9	11.3	46.3	75.8
19.0	20.971	36.213	25.443	55.8	47.1	11.2	48.4	76.6
20.0	20.934	36.232	25.467	55.1	41.4	6.5	42.0	81.0
21.0	20.864	36.296	25.535	54.9	45.1	6.8	45.6	81.4
22.0	20.837	36.295	25.542	54.2	44.6	8.8	44.7	85.1
23.0	20.799	36.317	25.569	54.3	36.9	7.3	37.6	78.8
24.0	20.765	36.339	25.595	54.3	34.4	7.5	35.2	77.7
25.0	20.738	36.334	25.598	54.3	31.7	5.2	32.1	80.7
26.0	20.706	36.339	25.611	54.6	27.9	7.0	28.8	75.9
27.0	20.663	36.368	25.645	54.4	27.3	4.0	27.6	81.8
28.0	20.647	36.373	25.653	54.3	24.3	5.0	24.3	78.5
29.0	20.603	36.391	25.679	54.8	17.6	2.0	17.8	83.5
30.0	20.595	36.387	25.678	53.9	19.8	1.3	19.8	86.1
31.0	20.534	36.397	25.689	54.9	20.7	-1.6	20.7	91.3
32.0	20.579	36.399	25.691	54.2	16.6	-1.7	16.6	92.5
33.0	20.575	36.398	25.692	53.7	16.1	-1.7	16.2	96.0
34.0	20.571	36.398	25.693	53.6	17.9	-3.1	18.2	99.7
35.0	20.566	36.402	25.697	53.5	19.7	-4.4	20.2	102.7
36.0	20.566	36.403	25.698	53.8	16.7	-3.7	17.1	102.6
37.0	20.565	36.403	25.698	53.4	19.6	-4.7	20.2	103.4
38.0	20.565	36.404	25.699	53.2	14.0	-3.1	14.4	102.6
39.0	20.564	36.403	25.698	53.3	16.3	-3.2	16.6	101.0
40.0	20.565	36.401	25.697	53.6	14.2	-3.5	14.6	102.7
41.0	20.564	36.400	25.696	53.3	16.3	-3.4	17.1	101.5
42.0	20.564	36.397	25.694	53.3	15.2	-2.8	15.4	100.6
43.0	20.564	36.397	25.694	53.3	17.2	-2.7	17.4	99.6
44.0	20.565	36.399	25.695	52.2	15.9	-1.8	15.9	93.0
45.0	20.564	36.398	25.694	52.6	17.6	-1.3	17.7	94.2
46.0	20.564	36.395	25.692	52.5	14.5	-1.2	14.5	90.8
47.0	20.563	36.393	25.691	52.2	16.6	-2.3	16.7	97.8
48.0	20.561	36.394	25.692	52.7	18.6	-3.3	18.9	100.1
49.0	20.561	36.392	25.691	52.5	15.9	-1.2	15.9	94.3
50.0	20.557	36.394	25.694	52.4	17.3	-2.7	17.5	98.7
51.0	20.554	36.396	25.695	51.9	16.0	-1.6	16.0	92.1
52.0	20.553	36.393	25.693	52.1	17.5	-2.5	17.6	98.1
53.0	20.547	36.395	25.697	52.4	12.5	-2.3	12.7	100.5
54.0	20.545	36.395	25.697	52.1	16.4	-2.6	16.6	99.0
55.0	20.540	36.397	25.700	52.1	13.6	-3.2	14.0	103.2
56.0	20.537	36.399	25.702	52.0	14.4	-2.9	14.6	101.3
57.0	20.532	36.399	25.704	51.6	14.6	-3.3	15.1	104.6
58.0	20.530	36.398	25.704	51.6	14.0	-3.5	14.5	103.9
59.0	20.528	36.397	25.704	51.5	13.5	-3.2	13.8	103.2
60.0	20.526	36.399	25.705	51.5	12.9	-2.9	13.2	102.4
61.0	20.528	36.394	25.701	51.7	15.6	-2.6	15.8	99.5

Station: 218
 Cruise : 81-B-3
 Ship : GYRE
 Position: Latitude 27 36.87 N
 Longitude 73 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
62.0	20.523	36.394	25.702	51.5	17.0	-3.9	17.5	103.0
63.0	20.517	36.391	25.702	52.1	13.3	-4.0	14.3	106.4
64.0	20.511	36.389	25.702	51.5	13.3	-5.8	19.2	107.4
65.0	20.500	36.395	25.709	52.2	15.1	-3.2	15.4	102.0
66.0	20.493	36.396	25.707	51.5	17.6	-5.0	16.3	105.9
67.0	20.475	36.391	25.713	52.0	13.0	-3.3	13.4	102.1
68.0	20.459	36.393	25.719	51.9	17.6	-3.0	17.9	99.5
69.0	20.449	36.387	25.717	52.0	20.0	-4.7	20.5	103.2
70.0	20.439	36.375	25.711	51.3	13.1	-4.8	16.7	104.8
71.0	20.420	36.368	25.711	52.2	20.1	-6.2	21.0	107.3
72.0	20.381	36.372	25.724	52.6	13.8	-5.8	19.7	107.0
73.0	20.331	36.387	25.749	52.3	21.2	-7.3	22.6	110.4
74.0	20.309	36.389	25.756	52.4	16.2	-9.0	18.0	116.3
75.0	20.302	36.393	25.761	52.3	22.2	-10.3	24.5	114.3
76.0	20.296	36.390	25.761	52.1	17.6	-10.5	20.6	120.0
77.0	20.287	36.382	25.757	51.7	19.0	-12.5	22.7	123.3
78.0	20.274	36.374	25.754	52.4	13.5	-15.0	23.9	129.0
79.0	20.257	36.370	25.755	51.6	13.3	-16.2	24.4	131.5
80.0	20.229	36.379	25.770	51.3	17.9	-17.9	25.4	135.0
81.0	20.206	36.386	25.782	51.6	13.6	-18.2	26.1	134.4
82.0	20.189	36.398	25.795	51.7	16.1	-20.2	25.8	141.4
83.0	20.182	36.391	25.792	51.0	17.5	-21.0	27.4	140.2
84.0	20.178	36.382	25.786	50.8	13.2	-21.1	27.8	139.2
85.0	20.174	36.377	25.783	50.5	13.2	-21.1	28.3	138.2
86.0	20.170	36.375	25.783	50.2	19.6	-21.1	28.8	137.2
87.0	20.165	36.372	25.782	51.5	13.2	-23.0	29.4	141.7
88.0	20.160	36.370	25.781	50.2	19.3	-23.0	29.9	136.5
89.0	20.154	36.375	25.787	50.6	16.3	-23.4	28.5	145.0
90.0	20.152	36.374	25.787	51.1	13.4	-22.7	29.2	141.0
91.0	20.149	36.369	25.784	50.2	19.3	-21.7	29.1	138.3
92.0	20.148	36.366	25.781	50.8	13.0	-24.1	30.1	143.3
93.0	20.145	36.363	25.780	50.3	13.0	-25.2	31.0	144.3
94.0	20.139	36.362	25.781	50.7	19.3	-23.0	30.4	139.2
95.0	20.121	36.354	25.780	51.1	17.3	-23.6	29.6	143.1
96.0	20.093	36.351	25.785	50.4	19.7	-23.1	30.4	139.5
97.0	20.057	36.375	25.813	51.6	17.5	-24.6	30.2	144.6
98.0	20.051	36.371	25.811	50.0	13.4	-24.9	30.9	143.5
99.0	20.047	36.334	25.784	49.4	19.5	-23.1	30.2	139.9
100.0	20.036	36.286	25.750	51.1	13.4	-24.4	30.5	142.9
101.0	19.918	36.356	25.835	50.6	17.4	-24.6	30.1	144.6
102.0	19.898	36.363	25.846	52.3	21.7	-19.0	29.2	129.6
103.0	19.889	36.365	25.850	50.3	20.6	-20.4	29.0	134.7
104.0	19.887	36.365	25.851	50.6	23.3	-16.3	28.4	124.2
105.0	19.886	36.363	25.849	50.0	17.9	-19.4	26.4	137.2
106.0	19.884	36.363	25.850	50.2	22.2	-13.5	25.9	121.3
107.0	19.882	36.366	25.852	50.4	22.8	-9.7	24.8	113.1
108.0	19.882	36.368	25.854	50.8	26.4	-4.0	26.7	98.7
109.0	19.883	36.374	25.858	51.1	29.9	1.7	29.9	36.3
110.0	19.883	36.374	25.858	50.7	21.9	2.9	22.1	32.5
111.0	19.882	36.376	25.860	49.3	20.0	7.0	21.2	70.7
112.0	19.870	36.386	25.871	50.3	27.1	2.8	27.2	34.1
113.0	19.849	36.392	25.881	50.4	29.7	12.1	32.1	67.9
114.0	19.842	36.369	25.865	50.8	31.8	16.9	36.1	62.0
115.0	19.772	36.377	25.889	49.9	31.9	13.3	34.5	67.4
116.0	19.650	36.436	25.966	50.4	32.0	13.4	37.0	60.1
117.0	19.579	36.453	25.998	50.4	30.9	13.2	35.9	59.5
118.0	19.541	36.428	25.939	50.3	29.4	21.4	36.3	54.0
119.0	19.510	36.400	25.976	50.0	30.8	20.6	37.1	56.3
120.0	19.414	36.428	26.022	50.6	30.7	19.0	36.1	58.2
121.0	19.348	36.439	26.048	50.7	30.0	19.0	35.5	57.7

Station: 215
 Cruise : 31-G-3
 Ship : GYRE
 Position: Latitude 27 36.87 N
 Longitude 93 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
122.0	19.287	36.446	26.071	50.5	31.5	18.9	36.7	59.1
123.0	19.230	36.460	26.097	50.7	30.6	16.6	34.9	61.1
124.0	19.179	36.449	26.099	50.8	31.1	20.1	37.1	57.1
125.0	19.110	36.444	26.114	50.3	26.0	20.8	33.3	51.3
126.0	19.082	36.436	26.122	50.1	27.1	22.5	35.2	50.4
127.0	18.980	36.452	26.153	50.3	24.9	22.1	33.3	48.5
128.0	18.920	36.463	26.181	50.2	26.0	20.2	32.9	52.1
129.0	18.897	36.458	26.179	50.6	24.3	16.7	29.5	55.5
130.0	18.873	36.463	26.189	51.1	22.5	13.1	26.1	59.8
131.0	18.859	36.462	26.192	50.4	23.4	16.7	28.8	54.5
132.0	18.835	36.472	26.206	50.0	21.4	17.7	27.8	50.5
133.0	18.821	36.460	26.200	50.0	20.5	19.8	28.5	45.9
134.0	18.795	36.462	26.208	49.9	17.5	20.2	26.7	40.9
135.0	18.779	36.469	26.218	49.8	16.2	22.1	27.4	36.3
136.0	18.706	36.454	26.225	49.6	14.1	20.2	24.7	34.9
137.0	18.643	36.375	26.180	50.0	10.5	22.6	24.8	24.8
138.0	18.519	36.411	26.239	49.0	14.5	18.4	23.4	38.2
139.0	18.408	36.473	26.315	49.8	14.4	16.2	21.7	41.4
140.0	18.354	36.481	26.332	49.5	10.1	16.0	18.9	32.3
141.0	18.338	36.502	26.354	49.9	8.7	17.4	19.5	26.7
142.0	18.328	36.503	26.358	50.1	6.3	18.5	19.6	18.8
143.0	18.323	36.464	26.330	48.8	6.8	16.5	17.8	22.3
144.0	18.302	36.396	26.282	49.5	4.4	18.0	18.0	1.2
145.0	18.248	36.375	26.280	49.4	12.5	3.3	13.0	75.0
146.0	18.167	36.408	26.326	49.3	7.2	11.3	13.4	32.2
147.0	18.085	36.450	26.375	49.5	14.3	2.9	14.6	78.4
148.0	18.072	36.453	26.388	49.4	2.7	13.6	13.8	11.1
149.0	18.054	36.427	26.368	49.4	-1.8	14.9	15.0	353.3
150.0	18.031	36.414	26.364	49.5	-1.6	13.8	13.9	353.4
151.0	17.985	36.439	26.402	49.4	-2.2	9.9	9.9	359.1
152.0	17.928	36.390	26.372	49.6	-1.0	11.8	11.9	355.4
153.0	17.871	36.398	26.392	50.3	.7	10.0	10.0	3.7
154.0	17.840	36.402	26.403	49.2	.6	11.4	11.4	3.0
155.0	17.823	36.401	26.406	50.4	-1.1	9.8	9.8	353.7
156.0	17.787	36.431	26.438	49.4	-1.9	12.6	12.7	351.4
157.0	17.772	36.420	26.433	50.0	-1.7	12.6	12.7	352.5
158.0	17.759	36.385	26.410	49.5	-1.6	12.6	12.7	352.7
159.0	17.739	36.371	26.403	50.0	-1.6	12.6	12.7	352.9
160.0	17.712	36.374	26.412	49.3	-1.5	12.6	12.7	353.1
161.0	17.698	36.342	26.391	50.1	-1.5	12.6	12.7	353.3
162.0	17.688	36.351	26.413	49.4	-1.4	12.6	12.7	353.5
163.0	17.574	36.385	26.455	50.2	-1.4	12.6	12.7	353.7
164.0	17.541	36.366	26.449	49.5	-1.4	12.6	12.7	353.9
165.0	17.507	36.311	26.415	48.9	-1.3	12.6	12.7	354.0
166.0	17.491	36.254	26.375	50.4	-1.3	12.6	12.7	354.2
167.0	17.345	36.343	26.479	50.1	-4.9	11.1	12.2	336.1
168.0	17.294	36.352	26.498	50.0	-7.2	10.8	13.0	326.4
169.0	17.252	36.346	26.503	50.0	-8.3	11.2	13.9	323.6
170.0	17.211	36.340	26.524	50.1	-9.4	11.6	14.9	321.1
171.0	17.204	36.363	26.528	49.6	-7.6	11.5	13.8	326.6
172.0	17.199	36.355	26.523	50.4	-10.1	10.9	14.9	317.2
173.0	17.110	36.412	26.583	50.0	-11.1	8.9	14.2	308.6
174.0	17.023	36.429	26.622	49.3	-11.7	8.9	14.7	307.3
175.0	16.988	36.351	26.571	50.1	-9.2	6.6	11.3	305.4
176.0	16.920	36.317	26.561	50.6	-11.1	7.0	13.1	302.2
177.0	16.864	36.284	26.544	50.7	-8.5	6.2	10.5	306.1
178.0	16.843	36.284	26.554	50.9	-5.6	5.0	7.5	311.7
179.0	16.823	36.310	26.579	50.4	-4.9	4.0	6.3	309.2
180.0	16.811	36.303	26.576	49.8	-8.5	2.4	8.8	285.5
181.0	16.790	36.252	26.542	50.0	-10.3	4.2	11.5	291.3

Station: 218
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 36.87 N
 Longitude 83 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
182.0	16.758	36.226	26.530	49.8	-10.8	3.1	11.2	263.8
183.0	16.725	36.181	26.511	50.3	-6.0	2.5	6.5	292.3
184.0	16.657	36.181	26.519	49.4	-5.0	4.1	6.4	309.3
185.0	16.564	36.238	26.535	50.0	-6.2	1.7	6.2	263.9
186.0	16.555	36.232	26.538	49.2	-5.3	2.9	6.0	296.5
187.0	16.543	36.257	26.604	50.2	-4.6	1.6	4.7	262.3
188.0	16.524	36.271	26.620	49.4	-7.3	3.9	11.5	320.7
189.0	14.512	36.252	26.608	49.1	2.3	-3.4	4.1	145.8
190.0	16.425	36.220	26.604	49.1	2.4	-3.2	3.2	173.1
191.0	16.338	36.184	26.594	49.1	-1.5	-3.0	3.4	206.9
192.0	16.245	36.264	26.650	48.9	13.7	-6.3	15.1	114.7
193.0	14.194	36.261	26.690	49.1	-2.5	-3.8	4.6	213.5
194.0	16.152	36.201	26.653	49.7	-11.1	-2.5	11.4	257.1
195.0	14.092	36.183	26.653	49.7	-9.5	-3.6	9.9	254.5
196.0	16.029	36.188	26.672	50.0	-8.4	-5.1	9.8	238.8
197.0	14.000	36.144	26.660	50.6	-5.6	-4.0	6.9	234.6
198.0	15.983	36.113	26.629	49.6	-1.0	-4.5	4.6	192.1
199.0	15.947	36.103	26.629	49.3	-2.4	-3.6	4.3	214.3
200.0	15.893	36.127	26.656	49.9	-1.6	-5.6	5.8	196.1
201.0	15.831	36.124	26.658	48.5	-3.3	-3.3	4.2	213.7
202.0	15.870	36.118	26.654	49.5	-3.8	-5.1	6.4	216.7
203.0	15.844	36.097	26.644	49.2	-6.4	-5.4	8.3	229.7
204.0	15.810	36.100	26.654	50.0	-8.7	-3.3	9.3	249.1
205.0	15.775	36.124	26.632	48.7	-7.4	-1.4	7.5	259.3
206.0	15.730	36.126	26.692	48.9	-8.0	-5.4	9.6	235.9
207.0	15.669	36.095	26.683	49.0	-10.0	-3.3	10.6	251.7
208.0	15.627	36.053	26.660	49.0	-7.7	-1.3	7.9	257.0
209.0	15.571	36.057	26.676	49.3	-4.5	-2.1	5.0	245.4
210.0	15.521	36.072	26.699	48.5	-4.6	-3.0	5.4	237.0
211.0	15.493	36.055	26.692	48.5	-6.3	-3.3	7.5	244.3
212.0	15.465	36.009	26.663	48.5	-9.0	-3.6	9.7	243.3
213.0	15.361	36.048	26.716	48.1	-6.6	-3.2	7.3	244.2
214.0	15.342	36.024	26.702	48.8	-6.9	-1.1	6.9	261.1
215.0	15.292	36.025	26.714	49.0	-7.1	-3.2	7.8	246.0
216.0	15.263	36.018	26.715	49.3	-7.9	-3.9	8.8	243.6
217.0	15.236	36.013	26.717	49.4	-3.0	-4.0	9.0	243.5
218.0	15.205	36.018	26.728	49.0	-3.1	-4.1	9.1	243.5
219.0	15.162	36.029	26.746	48.9	-3.3	-4.2	9.3	243.4
220.0	15.103	36.001	26.737	48.6	-3.4	-4.2	9.4	243.3
221.0	15.007	36.058	26.803	48.9	-3.5	-4.3	9.6	243.3
222.0	14.943	36.130	26.872	49.3	-3.7	-4.4	9.7	243.2
223.0	14.924	36.091	26.847	49.1	-3.8	-4.4	9.8	243.2
224.0	14.909	36.058	26.824	48.8	-3.9	-4.5	10.0	243.1
225.0	14.884	36.031	26.809	49.3	-9.0	-4.6	10.1	243.0
226.0	14.870	35.979	26.772	49.6	-9.1	-4.6	10.2	243.0
227.0	14.850	35.925	26.735	50.2	-9.3	-4.7	10.4	242.9
228.0	14.809	35.917	26.738	49.1	-9.3	-4.8	10.5	242.9
229.0	14.729	35.937	26.810	49.0	-9.5	-4.9	10.7	242.8
230.0	14.713	35.991	26.817	48.5	-9.7	-5.0	10.9	242.8
231.0	14.695	35.996	26.824	48.8	-9.8	-5.0	11.0	242.7
232.0	14.678	36.009	26.838	49.1	-9.8	-5.1	11.1	242.7
233.0	14.661	35.998	26.833	49.4	-9.9	-5.1	11.1	242.7
234.0	14.647	36.002	26.839	49.2	-10.0	-5.2	11.3	242.6
235.0	14.620	36.023	26.861	49.5	-10.1	-5.2	11.4	242.6
236.0	14.593	35.978	26.833	49.1	-10.2	-5.3	11.5	242.5
237.0	14.572	35.934	26.803	49.7	-10.3	-5.4	11.6	242.5
238.0	14.553	35.930	26.804	48.7	-10.4	-5.4	11.7	242.5
239.0	14.548	35.911	26.791	49.3	-10.5	-5.5	11.9	242.4
240.0	14.537	35.891	26.778	48.3	-10.6	-5.6	12.0	242.3
241.0	14.502	35.897	26.790	49.3	-10.8	-5.6	12.2	242.3

Station: 215
 Cruise : 81-G-3
 Ship : OYRE
 Position: Latitude 27 36.87 N
 Longitude 93 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
242.0	14.444	35.893	26.795	48.4	-10.8	-5.7	12.2	242.3
243.0	14.441	35.870	26.782	48.7	-11.0	-5.8	12.4	242.2
244.0	14.390	35.848	26.776	48.6	-9.6	-4.1	10.5	246.3
245.0	14.313	35.868	26.808	48.3	-7.9	-5.2	9.4	236.5
246.0	14.274	35.874	26.821	47.9	-6.9	-4.0	8.0	240.1
247.0	14.247	35.873	26.826	47.8	-6.0	-3.5	6.9	239.9
248.0	14.229	35.864	26.823	47.9	-5.7	-3.6	6.7	238.0
249.0	14.209	35.856	26.821	47.2	-5.4	-2.1	5.8	249.1
250.0	14.168	35.834	26.813	48.5	-6.4	-4.3	6.8	231.5
251.0	14.111	35.812	26.808	47.9	-6.3	-3.2	7.0	243.3
252.0	14.027	35.832	26.830	48.9	-9.8	-4.0	10.6	247.7
253.0	14.010	35.876	26.879	48.4	-6.5	-3.5	7.2	241.9
254.0	13.985	35.836	26.858	48.3	-5.4	-1.9	5.7	250.2
255.0	13.933	35.799	26.836	48.4	-5.6	-2.9	6.3	242.6
256.0	13.882	35.793	26.843	48.5	-5.8	-3.9	7.0	236.3
257.0	13.850	35.812	26.864	50.7	-4.4	-3.0	5.3	235.7
258.0	13.842	35.806	26.861	49.4	-6.8	-2.7	7.3	248.3
259.0	13.832	35.805	26.862	49.4	-5.9	-3.0	6.7	243.1
260.0	13.821	35.796	26.858	49.2	-5.3	-3.4	6.3	237.7
261.0	13.807	35.771	26.841	49.8	-8.1	-3.7	8.9	245.4
262.0	13.763	35.763	26.843	49.4	-8.5	-1.1	8.5	277.3
263.0	13.705	35.792	26.879	49.7	-8.8	-1.6	8.9	259.9
264.0	13.671	35.786	26.881	49.6	-9.3	-1.6	9.1	266.3
265.0	13.632	35.797	26.893	50.1	-10.6	-4.3	11.5	247.9
266.0	13.616	35.794	26.899	50.2	-8.3	-4.1	9.3	244.0
267.0	13.590	35.750	26.870	49.3	-7.7	-4.2	8.7	241.1
268.0	13.540	35.733	26.867	50.6	-12.2	-1.5	12.3	262.9
269.0	13.485	35.754	26.895	50.2	-7.6	1.0	7.6	277.5
270.0	13.470	35.754	26.898	49.7	-4.5	-1.4	4.6	264.6
271.0	13.440	35.728	26.885	49.6	-5.1	1.0	5.2	280.3
272.0	13.389	35.678	26.857	49.0	-5.9	.8	5.3	277.7
273.0	13.298	35.730	26.915	51.0	-9.7	2.4	10.0	284.0
274.0	13.246	35.741	26.935	49.7	-5.2	3.4	6.2	303.0
275.0	13.177	35.751	26.956	49.6	-11.4	-1.6	11.4	267.2
276.0	13.135	35.744	26.960	49.5	-7.7	1.7	7.8	275.5
277.0	13.085	35.725	26.954	49.8	-7.9	1.7	8.1	281.9
278.0	13.055	35.708	26.947	49.8	-7.5	1.2	7.6	279.3
279.0	13.036	35.691	26.938	50.1	-7.7	1.1	7.8	277.3
280.0	13.020	35.686	26.938	49.9	-7.3	1.9	7.5	284.3
281.0	13.004	35.704	26.955	49.8	-6.8	2.8	7.4	292.1
282.0	12.993	35.690	26.946	49.4	-5.9	4.6	7.5	307.5
283.0	12.983	35.683	26.946	49.9	-11.2	2.5	11.5	282.4
284.0	12.921	35.741	27.000	49.8	-7.1	-1.5	7.3	258.0
285.0	12.895	35.702	26.976	49.8	-9.3	1.5	9.3	272.3
286.0	12.857	35.683	26.969	49.3	-11.1	3.0	11.5	285.2
287.0	12.823	35.764	27.038	50.0	-10.3	4.7	11.4	294.4
288.0	12.783	35.654	26.961	49.0	-7.1	5.0	8.6	305.1
289.0	12.750	35.675	26.984	48.8	-8.7	6.1	10.6	305.3
290.0	12.733	35.670	26.982	48.7	-8.2	5.7	10.0	304.3
291.0	12.733	35.687	26.996	48.7	-8.4	4.3	9.4	297.4
292.0	12.721	35.679	26.992	48.6	-7.2	4.7	8.6	303.2
293.0	12.714	35.654	26.975	49.0	-10.8	1.3	10.3	276.3
294.0	12.707	35.655	26.977	48.9	-7.1	7.0	10.0	314.7
295.0	12.706	35.644	26.969	49.0	-8.2	5.7	9.9	304.9
296.0	12.704	35.636	26.962	49.0	-6.3	7.5	9.9	320.0
297.0	12.695	35.634	26.962	48.3	-6.1	5.6	8.2	312.6
298.0	12.686	35.630	26.962	49.0	-5.9	5.2	7.9	311.6
299.0	12.677	35.633	26.966	49.0	-6.1	6.0	8.5	314.3
300.0	12.664	35.656	26.986	49.3	-5.7	7.8	9.7	323.7
301.0	12.641	35.676	27.006	48.9	-6.3	6.0	8.7	313.5

Station: 215
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 36.87 N
 Longitude 93 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
302.0	12.629	35.664	27.000	48.8	-3.7	8.6	12.0	316.6
303.0	12.610	35.654	26.995	49.0	-7.1	8.2	10.9	316.8
304.0	12.593	35.631	26.980	49.3	-6.3	7.0	9.5	317.9
305.0	12.586	35.619	26.973	49.6	-5.5	5.9	8.1	316.7
306.0	12.576	35.625	26.980	49.3	-2.6	5.1	5.8	331.1
307.0	12.572	35.621	26.978	48.8	-5.6	9.2	10.3	329.0
308.0	12.560	35.613	26.974	48.8	-7.0	7.5	10.3	316.9
309.0	12.551	35.605	26.969	48.8	-4.9	4.7	6.7	313.9
310.0	12.543	35.602	26.969	49.0	-3.6	7.6	8.5	333.4
311.0	12.534	35.590	26.961	48.7	-2.4	6.5	5.1	331.6
312.0	12.522	35.583	26.958	48.5	-1.0	8.5	8.6	333.1
313.0	12.496	35.594	26.972	48.7	-1.3	9.4	9.6	349.1
314.0	12.482	35.602	26.980	48.9	-2.9	9.0	9.4	341.3
315.0	12.479	35.586	26.970	49.3	-4.5	3.5	5.7	308.2
316.0	12.464	35.576	26.964	49.0	-5.7	8.0	9.8	324.5
317.0	12.448	35.566	26.959	49.2	-2.3	10.2	10.5	344.3
318.0	12.421	35.550	26.952	49.6	-3.8	12.5	13.0	343.1
319.0	12.383	35.543	26.958	50.1	-1.3	7.6	7.7	350.2
320.0	12.386	35.574	26.987	49.6	-1.9	8.3	8.5	347.3
321.0	12.316	35.551	26.973	49.5	-2.2	9.9	10.1	347.6
322.0	12.279	35.549	26.980	49.7	-5.6	9.3	10.7	330.3
323.0	12.237	35.576	27.008	49.3	-4.4	9.9	10.8	336.2
324.0	12.191	35.592	27.029	49.4	-3.0	9.9	10.3	342.9
325.0	12.167	35.586	27.030	49.3	-4.2	9.5	10.4	336.3
326.0	12.143	35.574	27.025	49.2	-5.3	9.1	10.6	329.3
327.0	12.130	35.537	26.999	49.2	-4.4	10.3	11.6	333.5
328.0	12.097	35.521	26.993	49.7	-3.9	10.9	11.5	340.3
329.0	12.058	35.535	27.011	49.2	-1.9	9.1	9.2	354.3
330.0	12.045	35.525	27.006	49.7	-1.2	8.2	8.3	351.7
331.0	12.029	35.515	27.002	48.9	.2	7.4	7.4	1.7
332.0	12.003	35.523	27.013	48.5	.0	11.3	11.3	.1
333.0	11.981	35.539	27.030	48.7	-1.0	8.1	8.2	352.9
334.0	11.962	35.563	27.056	49.1	-3.0	20.4	20.6	351.7
335.0	11.933	35.550	27.047	49.7	-5.7	11.9	13.2	334.3
336.0	11.905	35.516	27.026	49.6	-6.7	11.9	13.7	330.6
337.0	11.887	35.502	27.019	49.0	-2.7	11.9	12.2	347.2
338.0	11.863	35.486	27.011	50.2	-3.1	9.7	10.1	342.4
339.0	11.837	35.486	27.016	49.3	1.4	12.5	12.5	6.6
340.0	11.809	35.495	27.028	49.2	1.9	13.8	13.9	7.3
341.0	11.785	35.491	27.030	48.8	-1.3	12.5	12.6	352.0
342.0	11.769	35.489	27.031	49.1	-2.2	11.1	11.3	343.9
343.0	11.747	35.499	27.043	48.6	-1.1	9.3	9.3	359.4
344.0	11.741	35.492	27.039	48.9	-1.6	10.9	10.9	357.0
345.0	11.734	35.487	27.036	49.2	-1.0	12.5	12.6	355.3
346.0	11.731	35.487	27.036	49.0	-1.1	13.9	13.9	359.4
347.0	11.723	35.487	27.038	49.3	-1.9	11.3	11.3	355.6
348.0	11.719	35.482	27.035	49.3	-1.9	13.5	13.7	351.9
349.0	11.714	35.460	27.019	49.4	-1.9	15.4	15.5	353.1
350.0	11.701	35.443	27.009	49.4	-3.1	13.9	14.3	347.5
351.0	11.669	35.461	27.023	49.6	2.3	10.6	11.0	15.0
352.0	11.656	35.464	27.034	49.6	1.3	10.9	11.0	9.1
353.0	11.642	35.467	27.038	49.6	.7	11.2	11.2	3.4
354.0	11.632	35.463	27.041	49.8	-2.9	11.5	11.8	345.9
355.0	11.631	35.463	27.037	49.3	.6	11.6	11.6	2.3
356.0	11.627	35.445	27.024	49.6	.6	11.0	11.0	3.3
357.0	11.611	35.438	27.021	49.9	.9	12.3	12.4	4.1
358.0	11.582	35.444	27.032	50.0	.8	14.6	14.7	3.1
359.0	11.560	35.444	27.036	49.4	2.1	14.4	14.6	3.4
360.0	11.549	35.435	27.031	50.0	.7	13.5	13.5	2.9
361.0	11.524	35.441	27.040	49.6	3.7	7.4	8.3	26.2

Station: 215
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 36.87 N
 Longitude 73 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
362.0	11.515	35.443	27.043	50.2	1.2	11.6	11.7	6.0
363.0	11.508	35.447	27.048	49.5	1.0	12.0	12.0	4.6
364.0	11.500	35.440	27.044	48.9	.7	12.3	12.3	3.3
365.0	11.462	35.436	27.050	49.0	-2.5	10.3	10.6	346.3
366.0	11.423	35.432	27.052	50.0	-3.2	12.0	12.4	345.2
367.0	11.405	35.433	27.057	49.9	-1.5	11.2	11.2	2.5
368.0	11.384	35.421	27.051	50.2	1.3	12.4	12.4	5.9
369.0	11.354	35.399	27.040	49.1	3.7	10.2	10.9	20.0
370.0	11.302	35.441	27.082	49.3	-1.1	12.4	12.4	359.5
371.0	11.274	35.431	27.103	48.6	1.6	10.6	10.7	8.7
372.0	11.263	35.445	27.092	49.5	-2.2	12.8	13.0	350.4
373.0	11.254	35.423	27.077	49.9	-1.9	14.0	14.1	354.5
374.0	11.240	35.412	27.071	49.4	-1.1	12.7	12.7	359.5
375.0	11.222	35.413	27.075	49.9	-1.2	11.3	11.3	353.9
376.0	11.206	35.410	27.075	49.9	1.8	11.6	11.7	8.7
377.0	11.192	35.399	27.038	50.7	-1.9	11.3	11.3	335.2
378.0	11.157	35.348	27.036	49.8	.8	12.3	12.4	3.8
379.0	11.071	35.410	27.100	50.9	3.0	13.5	13.6	6.3
380.0	11.048	35.382	27.083	49.6	5.0	15.2	16.0	19.0
381.0	11.021	35.385	27.080	50.9	1.0	13.2	13.2	359.9
382.0	10.993	35.390	27.099	50.1	.8	10.7	10.7	4.2
383.0	10.974	35.372	27.088	50.0	3.8	12.6	13.1	16.8
384.0	10.943	35.365	27.088	50.7	3.6	14.1	14.5	14.2
385.0	10.912	35.368	27.097	51.4	3.3	15.6	15.9	12.0
386.0	10.893	35.365	27.098	50.5	3.6	14.5	14.9	13.9
387.0	10.883	35.339	27.080	50.8	4.0	9.0	9.9	24.1
388.0	10.850	35.385	27.082	50.1	2.2	8.8	9.1	14.0
389.0	10.819	35.338	27.090	50.4	4.7	9.5	10.6	26.0
390.0	10.803	35.335	27.091	50.4	3.1	12.9	13.3	13.7
391.0	10.785	35.322	27.084	50.7	3.3	10.1	10.6	13.1
392.0	10.752	35.332	27.098	50.5	3.3	13.9	14.3	13.4
393.0	10.725	35.371	27.133	51.2	.8	13.7	13.8	3.3
394.0	10.715	35.358	27.124	51.2	.9	12.2	12.3	4.1
395.0	10.689	35.333	27.110	51.4	-2.7	13.0	13.3	348.5
396.0	10.637	35.323	27.111	51.2	.1	17.6	17.6	5.4
397.0	10.574	35.310	27.112	51.1	.3	14.3	14.3	1.2
398.0	10.525	35.310	27.121	50.6	.5	12.5	12.5	2.4
399.0	10.460	35.308	27.131	51.3	.8	14.1	14.2	356.8
400.0	10.400	35.317	27.148	51.4	2.5	15.2	15.4	9.3
401.0	10.385	35.300	27.138	51.5	2.1	16.3	16.4	7.3
402.0	10.368	35.282	27.127	51.0	4.3	13.8	14.4	17.5
403.0	10.344	35.276	27.126	51.4	3.1	11.2	11.6	15.3
404.0	10.324	35.276	27.130	51.2	1.8	9.5	9.6	10.9
405.0	10.304	35.283	27.139	51.0	.6	7.7	7.7	4.4
406.0	10.284	35.244	27.112	50.5	2.4	6.9	7.3	19.0
407.0	10.215	35.221	27.106	51.2	1.5	12.7	12.3	6.9
408.0	10.158	35.223	27.118	50.8	4.7	16.1	16.7	16.4
409.0	10.082	35.213	27.127	51.1	1.3	15.1	15.2	5.0
410.0	10.023	35.214	27.134	49.9	3.0	11.4	11.8	14.7
411.0	9.947	35.271	27.191	51.0	4.1	16.0	16.5	14.5
412.0	9.935	35.266	27.190	49.9	4.5	11.9	12.7	20.7
413.0	9.904	35.216	27.156	50.1	3.4	12.2	12.6	15.7
414.0	9.853	35.203	27.155	49.5	.5	13.0	13.0	2.0
415.0	9.791	35.277	27.223	50.9	2.7	11.0	11.3	13.8
416.0	9.766	35.246	27.203	50.4	.9	12.0	12.1	4.2
417.0	9.731	35.245	27.208	50.2	-1.5	12.3	12.3	353.1
418.0	9.716	35.233	27.202	49.7	-1.0	6.9	6.9	359.7
419.0	9.699	35.213	27.189	50.1	.8	11.1	11.2	355.9
420.0	9.664	35.220	27.200	49.9	1.5	17.9	18.0	4.8
421.0	9.619	35.216	27.205	49.6	2.7	13.4	13.6	11.6

Station: 218
 Cruise : 51-G-3
 Ship : GYRE
 Position: Latitude 27 36.87 N
 Longitude 93 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
422.0	9.610	35.182	27.180	50.9	- .4	14.3	14.3	358.4
423.0	9.597	35.184	27.167	49.9	2.4	14.3	15.0	9.1
424.0	9.555	35.181	27.188	50.5	2.8	14.3	14.3	9.1
425.0	9.526	35.176	27.189	49.7	4.6	12.1	13.0	21.0
426.0	9.505	35.163	27.182	49.9	3.4	14.0	14.4	13.7
427.0	9.484	35.163	27.186	50.1	2.1	15.3	16.0	7.7
428.0	9.463	35.171	27.195	50.4	2.9	17.7	17.7	2.9
429.0	9.433	35.183	27.210	50.3	1.2	10.6	10.7	6.3
430.0	9.423	35.189	27.216	51.3	-.3	5.5	5.6	351.3
431.0	9.394	35.204	27.232	50.3	3.3	7.3	7.3	2.0
432.0	9.368	35.203	27.237	50.9	-1.1	9.6	9.7	353.6
433.0	9.330	35.192	27.234	50.7	.3	14.2	14.2	3.1
434.0	9.306	35.149	27.205	50.6	.2	10.3	10.3	3.3
435.0	9.280	35.103	27.173	51.2	1.5	15.0	15.1	3.3
436.0	9.229	35.107	27.184	50.5	1.5	7.4	7.5	11.3
437.0	9.153	35.147	27.228	51.2	2.3	16.3	17.0	7.3
438.0	9.142	35.120	27.203	49.9	3.7	14.5	14.9	14.3
439.0	9.121	35.123	27.213	51.3	-.9	9.6	9.6	354.9
440.0	9.114	35.121	27.214	50.3	.3	10.5	10.6	4.3
441.0	9.104	35.102	27.200	51.1	1.5	8.2	8.3	10.3
442.0	9.081	35.090	27.195	50.5	2.2	12.2	12.4	10.4
443.0	9.038	35.107	27.215	51.2	2.1	10.4	10.6	11.6
444.0	9.018	35.090	27.205	50.2	2.9	7.0	7.0	7.5
445.0	8.991	35.084	27.205	50.1	.3	3.9	3.9	11.7
446.0	8.951	35.092	27.218	50.9	1.4	6.4	6.4	3.3
447.0	8.925	35.089	27.219	50.9	1.0	6.4	6.3	3.3
448.0	8.902	35.093	27.227	50.7	-1.1	6.3	6.3	3.3
449.0	8.885	35.093	27.229	50.9	-1.1	7.2	7.2	3.3
450.0	8.854	35.115	27.251	50.5	-2.1	10.2	10.5	3.3
451.0	8.823	35.115	27.256	50.4	-3.1	9.9	9.7	4.6
452.0	8.814	35.092	27.239	50.6	-2.3	8.5	9.0	4.1
453.0	8.789	35.099	27.249	50.7	-2.3	12.2	12.4	4.3
454.0	8.771	35.097	27.250	50.0	-1.2	11.3	11.4	3.3
455.0	8.763	35.078	27.237	50.5	-1.7	13.3	13.3	3.3
456.0	8.748	35.066	27.230	50.3	-1.3	9.7	9.7	3.3
457.0	8.730	35.065	27.232	50.3	-1.5	7.5	7.6	4.4
458.0	8.706	35.075	27.244	50.2	-1.0	9.5	9.5	4.4
459.0	8.694	35.074	27.245	50.1	1.1	9.3	9.4	7.0
460.0	8.684	35.082	27.253	51.1	-.3	12.3	12.3	3.3
461.0	8.675	35.084	27.256	50.6	-.6	9.7	9.8	3.3
462.0	8.670	35.080	27.253	50.9	-3.0	11.0	11.1	4.3
463.0	8.667	35.075	27.250	51.2	-2.0	9.3	9.5	4.4
464.0	8.663	35.063	27.241	51.4	-2.9	10.4	10.3	4.4
465.0	8.639	35.081	27.259	50.3	-1.7	9.6	9.3	5.0
466.0	8.633	35.071	27.252	51.1	-2.4	10.6	10.9	4.7
467.0	8.623	35.057	27.242	51.4	-3.2	11.7	12.1	4.4
468.0	8.622	35.053	27.239	51.4	-1.2	9.9	9.9	5.9
469.0	8.617	35.048	27.236	51.9	.1	11.2	11.2	.6
470.0	8.606	35.045	27.235	51.6	2.4	13.6	13.3	10.0
471.0	8.592	35.036	27.231	51.3	1.3	12.2	12.2	6.0
472.0	8.578	35.028	27.227	51.4	2.2	10.4	10.3	11.9
473.0	8.546	35.043	27.243	51.1	4.0	16.0	16.5	13.3
474.0	8.537	35.037	27.240	51.4	2.6	15.2	15.4	9.7
475.0	8.521	35.038	27.244	52.1	1.0	9.5	9.4	5.7
476.0	8.510	35.036	27.244	52.1	2.1	11.2	11.4	10.5
477.0	8.499	35.027	27.238	52.7	1.2	6.1	6.3	11.5
478.0	8.479	35.036	27.248	51.3	-.7	11.0	11.0	356.3
479.0	8.462	35.049	27.261	50.8	1.3	17.2	17.2	1.1
480.0	8.457	35.044	27.259	51.4	-2.4	12.4	12.6	349.2
481.0	8.446	35.044	27.260	51.3	-.2	11.4	11.4	358.9

Station: 318
 Cruise : 61-G-3
 Ship : GYRE
 Position: Latitude 27 36.87 N
 Longitude 93 55.64 W
 Time: Year Day Hour Minute
 1981 66 16 49

Depth m	Temp deg C	Sal Pct	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
482.0	8.439	35.047	27.264	51.2	-1.3	7.3	7.3	357.6
483.0	8.433	35.048	27.265	51.2	-1.9	14.1	14.1	33.6
484.0	8.425	35.042	27.262	51.0	-1.0	13.2	13.2	359.9
485.0	8.419	35.040	27.261	51.4	-1.0	11.7	11.8	355.0
486.0	8.416	35.039	27.261	51.0	.7	9.5	9.6	4.0
487.0	8.417	35.017	27.244	51.9	.8	14.2	14.2	33.3
488.0	8.398	35.011	27.242	50.4	2.6	11.0	11.3	13.2
489.0	8.374	35.019	27.252	51.3	1.9	7.6	7.9	13.7
490.0	8.352	35.029	27.263	51.5	3.8	9.2	10.0	22.5
491.0	8.345	35.016	27.254	51.8	4.5	13.9	14.7	18.0
492.0	8.327	35.006	27.244	51.4	3.7	13.0	13.6	16.0
493.0	8.291	35.001	27.250	51.5	5.4	19.8	20.6	15.2
494.0	8.245	35.016	27.269	52.4	3.9	16.8	19.2	11.7
495.0	8.226	35.008	27.266	51.2	4.6	15.4	16.1	14.7
496.0	8.211	35.010	27.270	51.2	3.8	11.0	11.7	19.2
497.0	8.200	35.007	27.269	51.0	6.7	13.0	14.6	27.4
498.0	8.192	34.996	27.262	51.1	6.5	16.4	19.5	19.5
499.0	8.171	35.011	27.276	51.2	6.3	11.1	12.7	39.2
500.0	8.167	35.013	27.279	51.1	8.9	19.0	21.0	35.2
501.0	8.167	35.014	27.279	51.3	3.0	14.0	14.3	11.9
502.0	8.168	35.012	27.278	51.9	1.6	10.8	11.0	8.3
503.0	8.167	35.008	27.275	51.5	3.2	12.2	12.6	14.9
504.0	8.156	34.996	27.267	51.6	1.9	12.9	13.0	6.4
505.0	8.131	34.981	27.259	51.2	4.7	12.4	13.3	31.0
506.0	8.071	34.998	27.282	51.6	2.2	12.4	12.6	10.1
507.0	8.040	35.017	27.301	51.5	4.4	8.3	10.3	25.3
508.0	8.018	35.020	27.307	52.0	2.9	10.8	11.2	35.2
509.0	8.004	35.007	27.299	51.3	2.7	9.9	10.3	15.1
510.0	7.989	35.010	27.303	52.1	3.2	12.3	12.7	14.4
511.0	7.977	34.984	27.292	51.1	7.3	11.4	13.5	32.5
512.0	7.968	34.985	27.287	52.1	7.0	9.9	12.2	35.4
513.0	7.959	34.972	27.279	53.0	6.8	6.4	10.3	39.1
514.0	7.941	34.965	27.275	52.1	5.6	12.1	13.3	35.0
515.0	7.910	35.004	27.311	51.7	5.6	10.8	12.2	27.4
516.0	7.890	35.023	27.328	51.7	3.7	12.2	12.7	17.0

Station: 228
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	21.681	36.180	25.222	57.3	44.5	14.0	46.7	72.5
3.0	21.683	36.178	25.220	56.9	39.3	18.5	43.4	64.8
4.0	21.683	36.177	25.219	56.3	37.8	25.5	45.6	56.0
5.0	21.680	36.179	25.222	56.3	40.3	18.4	44.3	65.5
6.0	21.679	36.179	25.222	56.0	36.1	14.5	38.9	68.1
7.0	21.677	36.180	25.223	55.8	40.9	13.0	42.9	72.4
8.0	21.677	36.179	25.223	56.0	36.9	9.4	38.1	75.7
9.0	21.677	36.181	25.224	55.8	34.0	5.5	34.4	80.8
10.0	21.677	36.180	25.223	55.7	36.1	10.0	37.4	74.5
11.0	21.679	36.177	25.221	55.6	35.4	10.6	36.9	73.3
12.0	21.676	36.180	25.224	55.6	34.1	10.6	35.7	72.7
13.0	21.678	36.179	25.222	56.5	23.9	14.4	27.9	59.0
14.0	21.678	36.179	25.223	56.4	33.5	14.6	36.6	66.4
15.0	21.679	36.181	25.223	56.0	30.8	16.0	34.7	62.5
16.0	21.680	36.181	25.223	56.0	30.4	17.8	35.2	59.7
17.0	21.681	36.179	25.222	56.3	28.2	18.1	33.6	57.3
18.0	21.680	36.180	25.222	55.3	26.5	18.2	33.1	56.5
19.0	21.680	36.178	25.221	55.6	24.2	17.1	29.7	54.8
20.0	21.678	36.178	25.222	56.0	22.8	17.2	28.6	52.9
21.0	21.676	36.180	25.224	56.1	25.1	18.4	31.1	58.7
22.0	21.676	36.181	25.225	55.8	23.4	17.4	33.3	58.5
23.0	21.682	36.175	25.218	55.1	28.1	17.6	33.1	57.9
24.0	21.671	36.182	25.227	55.4	17.0	16.9	23.5	46.1
25.0	21.674	36.180	25.224	55.6	15.2	14.8	21.2	45.8
26.0	21.673	36.175	25.221	55.7	15.2	13.7	20.4	48.0
27.0	21.669	36.176	25.222	55.5	18.7	14.2	23.4	52.8
28.0	21.665	36.183	25.229	55.4	19.7	11.1	22.6	60.5
29.0	21.669	36.179	25.225	54.5	19.9	14.6	24.6	58.8
30.0	21.671	36.175	25.221	54.8	22.7	10.2	24.9	65.8
31.0	21.669	36.176	25.223	54.9	23.3	11.0	26.2	65.2
32.0	21.670	36.177	25.223	55.1	22.6	11.2	25.4	63.8
33.0	21.670	36.176	25.222	54.8	22.5	10.0	24.7	64.0
34.0	21.670	36.179	25.224	54.6	22.2	8.8	23.9	68.3
35.0	21.669	36.182	25.227	55.2	22.3	9.3	24.8	66.6
36.0	21.673	36.175	25.221	54.4	19.4	9.9	21.7	62.9
37.0	21.668	36.168	25.216	54.5	22.3	9.9	24.9	66.6
38.0	21.652	36.169	25.222	54.1	15.2	9.7	18.0	57.4
39.0	21.642	36.169	25.225	53.9	16.8	8.5	18.9	63.4
40.0	21.635	36.168	25.226	54.6	11.9	9.0	14.9	58.0
41.0	21.630	36.163	25.227	54.2	24.9	8.6	26.3	70.9
42.0	21.618	36.169	25.232	54.4	12.8	7.7	14.9	59.0
43.0	21.612	36.163	25.232	53.9	14.9	8.5	17.1	60.2
44.0	21.609	36.163	25.229	53.9	17.5	11.1	20.7	57.6
45.0	21.596	36.153	25.225	53.2	20.3	11.1	23.1	61.4
46.0	21.563	36.154	25.235	52.4	20.0	10.7	22.7	61.8
47.0	21.551	36.141	25.229	51.7	13.7	10.3	17.1	53.3
48.0	21.481	36.165	25.266	52.3	9.8	9.8	13.9	45.1
49.0	21.409	36.096	25.234	50.6	5.9	10.1	11.7	30.3
50.0	21.264	35.983	25.188	50.8	-1.3	8.8	8.8	358.4
51.0	21.096	35.853	25.135	50.3	-2.7	15.1	15.4	350.0
52.0	20.794	35.673	25.081	50.6	6.9	12.7	14.5	28.6
53.0	20.448	35.469	25.013	49.4	6.0	12.3	13.7	26.2
54.0	19.911	35.511	25.193	48.9	13.1	10.3	16.7	51.7
55.0	19.533	35.601	25.347	48.5	15.3	14.1	21.2	48.3
56.0	19.256	36.124	25.832	48.0	18.5	17.9	25.7	46.0
57.0	19.476	36.302	25.910	49.4	1.0	19.3	19.3	3.0
58.0	19.863	36.249	25.767	50.8	3.3	16.3	16.3	1.0
59.0	19.931	36.357	25.819	51.7	-5.0	22.3	23.4	347.7
60.0	20.221	35.947	25.443	52.0	-5.8	19.8	20.6	343.6
61.0	20.272	36.251	25.661	52.2	-11.2	22.1	24.7	333.2

Station: 225
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	20.287	36.270	25.671	53.0	-6.5	19.3	20.3	341.5
63.0	20.274	36.284	25.487	52.6	2.5	15.2	15.4	29.5
64.0	20.262	36.294	25.696	52.1	-1.3	16.3	16.3	353.3
65.0	20.234	36.314	25.719	52.4	-1.2	17.1	17.1	359.3
66.0	20.218	36.327	25.733	52.0	-2.3	18.9	19.1	353.1
67.0	20.206	36.325	25.735	52.0	-4.4	14.4	17.0	344.3
68.0	20.186	36.319	25.735	51.7	-9.8	15.3	18.1	327.3
69.0	20.136	36.353	25.778	51.3	-15.5	14.2	22.5	316.2
70.0	20.102	36.363	25.792	51.5	-4.4	11.6	12.4	339.3
71.0	20.066	36.373	25.804	51.7	-13.6	13.4	19.1	314.6
72.0	20.069	36.384	25.817	51.5	-16.7	14.1	21.8	310.3
73.0	20.057	36.373	25.811	51.1	-18.6	13.5	23.0	306.1
74.0	20.055	36.350	25.794	50.5	-22.8	19.7	30.1	310.8
75.0	20.041	36.353	25.800	51.6	-7.2	16.2	17.7	334.0
76.0	20.025	36.363	25.812	50.9	-13.1	15.3	20.5	320.5
77.0	20.025	36.340	25.810	51.1	-15.3	16.0	22.5	315.4
78.0	20.025	36.358	25.808	51.3	-18.5	16.2	24.6	311.1
79.0	20.024	36.356	25.807	51.5	-19.4	16.4	25.4	310.2
80.0	20.021	36.354	25.806	51.1	-11.4	13.3	17.5	319.3
81.0	20.021	36.351	25.804	51.3	-14.3	17.4	24.4	322.6
82.0	20.021	36.351	25.804	50.7	-9.4	18.6	20.8	333.2
83.0	20.019	36.352	25.805	50.6	-13.3	18.2	22.3	322.3
84.0	20.016	36.353	25.807	50.9	-16.4	14.9	22.2	312.3
85.0	20.012	36.352	25.807	50.3	-18.3	13.7	24.5	317.3
86.0	20.007	36.353	25.809	50.5	-20.4	13.3	27.7	312.6
87.0	20.003	36.352	25.810	49.3	-18.4	19.0	26.6	315.6
88.0	20.001	36.334	25.796	50.7	-18.7	18.5	26.3	314.7
89.0	19.993	36.314	25.783	51.1	-11.2	17.3	21.0	327.3
90.0	19.957	36.332	25.807	50.7	-10.9	21.1	23.7	332.7
91.0	19.939	36.332	25.812	50.7	-13.9	19.4	23.3	324.5
92.0	19.916	36.316	25.805	50.3	-14.3	18.3	23.6	322.7
93.0	19.885	36.295	25.797	50.3	-19.4	16.3	25.7	310.3
94.0	19.840	36.293	25.803	50.8	-18.7	17.3	25.3	313.7
95.0	19.722	36.359	25.839	50.7	-25.7	17.7	31.2	304.6
96.0	19.703	36.339	25.879	50.3	-24.7	18.5	30.9	306.9
97.0	19.685	36.333	25.879	50.9	-23.7	19.3	30.6	309.3
98.0	19.677	36.333	25.881	51.5	-13.1	16.3	20.9	321.2
99.0	19.677	36.333	25.881	50.9	-19.3	14.9	24.4	307.3
100.0	19.675	36.340	25.887	51.1	-23.7	22.3	32.9	313.9
101.0	19.682	36.337	25.883	50.9	-15.7	18.3	24.5	320.1
102.0	19.663	36.330	25.877	50.7	-15.0	20.0	25.0	323.2
103.0	19.684	36.303	25.857	50.5	-14.3	21.3	25.7	326.1
104.0	19.652	36.313	25.873	50.3	-14.9	21.0	25.7	324.6
105.0	19.622	36.365	25.920	50.6	-17.0	19.6	25.9	319.0
106.0	19.606	36.330	25.897	50.3	-24.1	15.3	28.6	302.4
107.0	19.586	36.344	25.913	50.9	-23.4	19.2	34.2	304.0
108.0	19.580	36.330	25.904	51.1	-33.0	17.0	37.2	297.3
109.0	19.570	36.323	25.902	50.9	-32.4	19.6	37.9	301.1
110.0	19.551	36.322	25.906	50.5	-28.3	20.0	35.0	304.3
111.0	19.526	36.323	25.917	50.7	-23.5	19.9	34.3	305.0
112.0	19.510	36.347	25.935	49.9	-24.1	18.6	32.1	305.5
113.0	19.504	36.344	25.935	50.6	-23.4	15.2	32.2	293.2
114.0	19.489	36.322	25.922	51.0	-25.7	14.3	29.4	299.0
115.0	19.421	36.338	25.952	50.9	-23.6	18.9	30.3	303.7
116.0	19.348	36.374	25.999	51.3	-30.0	22.4	37.5	306.3
117.0	19.279	36.391	26.029	51.1	-35.7	24.2	43.2	304.1
118.0	19.185	36.428	26.082	50.5	-34.0	21.7	40.3	302.6
119.0	19.143	36.430	26.093	51.4	-17.9	15.3	23.9	311.5
120.0	19.075	36.443	26.126	50.7	-33.9	18.7	33.7	298.9
121.0	19.020	36.477	26.162	51.5	-18.7	15.7	24.4	310.1

Station: 226
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
122.0	19.005	36.482	26.170	50.7	-19.3	20.0	27.8	316.1
123.0	18.986	36.450	26.150	49.8	-21.2	18.2	28.0	310.6
124.0	18.964	36.413	26.128	50.8	-10.2	12.8	16.3	321.4
125.0	18.910	36.472	26.187	50.7	-8.1	15.1	17.2	331.9
126.0	18.838	36.500	26.226	50.0	-14.1	20.5	24.8	325.5
127.0	18.750	36.479	26.233	49.8	-19.7	15.3	24.9	307.5
128.0	18.717	36.472	26.235	51.1	-23.3	16.0	28.3	304.5
129.0	18.693	36.473	26.242	50.1	-16.2	17.7	24.0	317.6
130.0	18.637	36.452	26.241	49.1	-9.0	17.1	19.4	332.2
131.0	18.569	36.430	26.241	50.4	-15.9	12.3	20.1	307.7
132.0	18.497	36.448	26.273	50.1	-22.0	21.5	30.7	314.3
133.0	18.427	36.447	26.290	49.6	-30.4	29.5	42.3	314.1
134.0	18.374	36.438	26.296	51.5	-18.6	18.7	26.4	315.1
135.0	18.325	36.426	26.300	50.6	-19.8	18.5	27.1	313.2
136.0	18.254	36.429	26.319	50.0	-22.0	17.4	28.0	308.4
137.0	18.210	36.444	26.342	51.3	-24.6	14.3	28.4	300.1
138.0	18.169	36.478	26.378	50.9	-22.5	16.2	27.7	305.7
139.0	18.120	36.494	26.403	50.2	-21.2	16.4	26.8	307.7
140.0	18.081	36.434	26.367	49.2	-31.3	13.7	34.1	293.7
141.0	18.031	36.367	26.328	51.0	-15.6	7.4	17.3	295.4
142.0	17.946	36.333	26.324	50.4	-6.4	7.2	9.6	318.1
143.0	17.805	36.371	26.387	49.7	-17.2	13.6	21.9	308.4
144.0	17.737	36.397	26.424	50.5	-10.4	11.3	15.4	317.4
145.0	17.674	36.438	26.471	50.0	-1.7	7.5	7.7	346.9
146.0	17.615	36.481	26.518	50.0	-18.6	11.7	22.0	302.2
147.0	17.557	36.514	26.558	50.5	-23.3	9.2	25.0	291.1
148.0	17.544	36.493	26.545	50.9	-24.8	5.3	25.4	282.1
149.0	17.534	36.459	26.521	51.2	-25.1	7.1	26.0	285.8
150.0	17.524	36.445	26.513	51.5	-25.3	8.9	26.8	289.3
151.0	17.522	36.434	26.505	51.8	-23.8	10.8	26.2	294.4
152.0	17.514	36.449	26.519	51.6	-22.9	6.1	23.8	285.0
153.0	17.496	36.463	26.534	51.9	-17.3	-2.5	17.5	261.3
154.0	17.473	36.424	26.510	50.7	-20.8	-20.1	28.9	226.0
155.0	17.450	36.384	26.485	50.9	-24.9	-23.2	34.0	227.0
156.0	17.412	36.368	26.481	50.6	-8.1	-1.5	8.2	259.2
157.0	17.375	36.377	26.497	50.4	8.7	20.1	21.9	23.4
158.0	17.364	36.379	26.501	51.2	-5.2	14.2	15.1	339.9
159.0	17.350	36.322	26.461	50.8	6.6	16.1	16.1	2.2
160.0	17.337	36.193	26.365	50.4	6.4	18.0	19.1	19.6
161.0	17.114	36.290	26.494	50.1	16.3	16.5	23.1	44.7
162.0	17.012	36.340	26.557	50.3	1.3	14.7	14.8	5.2
163.0	16.958	36.354	26.580	49.8	14.5	16.3	21.9	41.6
164.0	16.900	36.327	26.573	50.1	-4.6	11.9	12.7	339.0
165.0	16.865	36.251	26.523	50.5	-9.9	6.6	11.9	303.9
166.0	16.794	36.232	26.526	49.9	-2.9	8.4	8.9	341.0
167.0	16.721	36.237	26.547	51.0	-12.9	8.0	15.2	301.8
168.0	16.686	36.236	26.554	50.2	-13.7	8.4	16.0	301.5
169.0	16.661	36.236	26.560	51.2	-1.8	11.9	12.0	351.3
170.0	16.607	36.215	26.557	51.0	-5.4	9.8	11.2	331.2
171.0	16.565	36.176	26.537	50.4	-6.2	7.2	9.5	319.3
172.0	16.500	36.199	26.570	50.7	-9.8	4.2	10.6	293.2
173.0	16.467	36.174	26.558	51.2	-12.8	6.0	14.1	295.2
174.0	16.405	36.171	26.571	50.4	-12.7	5.6	13.9	293.9
175.0	16.361	36.171	26.581	50.6	-12.6	7.2	14.5	299.8
176.0	16.319	36.161	26.583	50.7	-1.7	13.7	13.8	353.1
177.0	16.278	36.145	26.581	50.2	-2.7	9.1	9.5	343.3
178.0	16.233	36.143	26.590	50.4	5.9	12.0	13.3	26.4
179.0	16.168	36.127	26.593	50.1	25.3	14.0	28.9	61.1
180.0	16.081	36.146	26.628	50.4	28.1	15.4	32.0	61.3
181.0	16.022	36.155	26.648	50.4	23.4	15.9	32.6	60.8

Station: 226
 Cruise : 81-0-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
182.0	15.980	36.134	26.641	49.8	28.5	16.1	32.8	60.6
183.0	15.942	36.138	26.653	50.2	28.5	16.4	32.8	60.1
184.0	15.882	36.169	26.691	49.8	28.4	16.5	32.8	59.8
185.0	15.860	36.167	26.694	50.1	28.2	17.2	33.0	58.7
186.0	15.856	36.133	26.669	50.2	28.6	17.4	33.0	58.6
187.0	15.849	36.061	26.616	49.8	28.3	17.6	33.4	58.2
188.0	15.795	36.007	26.586	49.8	28.1	17.4	33.1	58.3
189.0	15.640	36.091	26.686	49.3	28.0	17.4	32.7	58.1
190.0	15.592	36.101	26.705	49.4	27.8	17.2	32.7	58.2
191.0	15.566	36.076	26.692	49.1	27.5	17.3	32.5	57.9
192.0	15.539	36.070	26.693	48.9	27.4	17.1	32.3	58.1
193.0	15.511	36.072	26.701	48.6	27.3	16.8	32.0	58.3
194.0	15.496	36.031	26.673	50.2	26.9	16.4	31.5	58.5
195.0	15.464	36.010	26.664	49.6	19.2	15.9	24.9	50.4
196.0	15.414	36.023	26.685	49.7	-14.9	5.4	15.9	230.0
197.0	15.361	36.019	26.694	49.4	-16.0	7.7	16.0	272.7
198.0	15.330	35.935	26.683	49.6	-18.3	-2.2	18.4	263.0
199.0	15.270	36.023	26.717	49.8	-15.6	1.7	15.7	276.1
200.0	15.210	36.029	26.736	50.2	-15.3	1.3	15.3	274.7
201.0	15.102	36.059	26.782	49.8	-18.4	-2.3	18.5	262.9
202.0	15.045	36.030	26.773	50.1	-18.0	-2.2	18.1	263.0
203.0	15.009	35.978	26.741	50.0	-16.4	-3.3	16.4	269.0
204.0	14.967	35.962	26.738	50.1	-17.6	3.3	17.6	269.9
205.0	14.949	35.956	26.737	49.6	-16.6	2.1	16.7	277.2
206.0	14.908	35.937	26.770	49.9	-15.1	3.1	15.5	281.6
207.0	14.891	35.991	26.777	50.1	-16.8	1.0	16.8	273.3
208.0	14.883	35.989	26.777	50.2	48.2	15.2	50.5	72.5
209.0	14.875	35.984	26.775	50.2	113.2	29.4	117.0	75.4
210.0	14.861	35.980	26.775	49.9	122.0	34.8	126.9	74.1
211.0	14.838	35.987	26.785	50.2	100.0	32.8	105.2	71.8
212.0	14.818	35.999	26.800	50.1	128.6	28.0	131.6	77.7
213.0	14.806	35.979	26.787	50.3	127.3	28.4	130.4	77.4
214.0	14.797	35.945	26.762	50.3	116.0	25.8	118.9	77.5
215.0	14.764	35.944	26.769	50.0	122.1	14.1	122.9	83.4
216.0	14.703	35.959	26.794	50.4	115.8	29.2	119.4	75.8
217.0	14.682	35.910	26.760	50.5	109.2	23.2	111.7	78.0
218.0	14.640	35.893	26.757	49.9	112.8	28.3	116.3	75.9
219.0	14.589	35.911	26.782	50.3	105.7	11.2	106.2	84.0
220.0	14.563	35.897	26.776	50.3	125.9	20.6	127.6	80.7
221.0	14.527	35.907	26.792	49.6	126.6	21.9	128.5	80.2
222.0	14.502	35.894	26.787	50.2	123.2	20.8	124.9	80.4
223.0	14.450	35.898	26.802	50.2	113.8	21.4	115.8	79.4
224.0	14.406	35.891	26.806	49.9	119.4	20.3	121.1	80.4
225.0	14.380	35.857	26.785	49.8	114.7	20.7	116.6	79.8
226.0	14.332	35.849	26.789	49.8	116.7	19.4	118.3	80.6
227.0	14.285	35.827	26.782	49.8	118.3	15.9	119.3	82.4
228.0	14.239	35.832	26.796	50.5	117.6	13.8	118.4	83.3
229.0	14.194	35.853	26.826	51.2	116.9	11.7	117.4	84.3
230.0	14.168	35.850	26.825	50.5	90.3	16.6	91.8	79.6
231.0	14.141	35.853	26.833	49.7	90.6	15.0	91.8	80.6
232.0	14.126	35.842	26.828	50.7	125.2	7.7	125.4	86.5
233.0	14.103	35.830	26.823	49.9	113.6	14.2	114.5	82.9
234.0	14.084	35.843	26.838	50.8	119.4	16.5	120.6	82.1
235.0	14.070	35.843	26.841	50.2	120.3	16.7	121.5	82.1
236.0	14.061	35.851	26.849	50.5	75.8	12.3	76.8	80.8
237.0	14.057	35.819	26.825	50.2	4.7	12.2	13.1	20.9
238.0	14.014	35.813	26.830	50.3	-23.2	5.5	23.9	203.3
239.0	13.960	35.847	26.867	50.5	-25.6	4.9	26.1	280.9
240.0	13.924	35.854	26.881	50.5	55.9	14.5	57.7	75.5
241.0	13.900	35.867	26.896	50.6	105.9	22.4	108.2	78.0

Station: 228
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
242.0	13.850	35.884	26.919	50.0	99.3	18.0	100.9	79.7
243.0	13.851	35.836	26.882	50.0	87.5	12.7	88.4	81.8
244.0	13.846	35.800	26.855	49.8	82.7	14.8	84.0	79.9
245.0	13.824	35.792	26.854	50.3	121.8	17.6	123.0	81.8
246.0	13.776	35.818	26.883	49.8	111.7	-4.8	111.8	92.2
247.0	13.764	35.815	26.884	50.2	119.8	11.2	120.3	94.7
248.0	13.755	35.831	26.898	50.5	115.0	-7.9	115.3	94.0
249.0	13.737	35.803	26.880	49.7	110.7	12.0	111.3	83.8
250.0	13.730	35.767	26.854	50.3	116.0	9.9	116.4	85.1
251.0	13.673	35.769	26.868	49.8	123.5	10.3	124.0	85.2
252.0	13.617	35.760	26.872	50.6	116.7	12.0	117.4	82.7
253.0	13.580	35.777	26.893	50.9	98.6	13.4	99.5	82.3
254.0	13.544	35.794	26.913	50.6	103.8	14.8	104.9	81.9
255.0	13.508	35.812	26.935	50.7	99.3	16.8	100.7	80.4
256.0	13.472	35.787	26.923	50.7	94.7	18.8	96.5	78.8
257.0	13.436	35.778	26.924	50.8	90.1	20.8	92.5	77.0
258.0	13.399	35.781	26.933	51.0	111.5	18.1	113.0	80.8
259.0	13.385	35.757	26.918	51.8	108.1	16.5	109.4	81.3
260.0	13.354	35.758	26.925	51.5	131.1	16.8	131.1	89.7
261.0	13.323	35.749	26.925	51.5	130.7	4.6	130.8	88.0
262.0	13.309	35.757	26.934	51.9	103.7	5.9	103.9	86.8
263.0	13.286	35.753	26.935	51.6	120.5	2.9	120.5	89.6
264.0	13.265	35.730	26.922	51.3	117.6	4.6	117.6	87.8
265.0	13.227	35.726	26.927	50.9	119.7	2.5	119.7	88.8
266.0	13.170	35.768	26.971	50.8	110.9	1.7	110.9	89.1
267.0	13.138	35.749	26.963	51.0	120.8	7.9	121.1	86.2
268.0	13.111	35.716	26.942	50.9	115.3	11.6	115.9	84.2
269.0	13.074	35.753	26.979	50.7	111.3	6.6	111.5	86.6
270.0	13.053	35.742	26.974	51.0	115.4	8.3	115.7	85.9
271.0	13.027	35.703	26.949	51.0	118.9	-1.2	118.9	90.6
272.0	12.997	35.697	26.951	51.1	96.0	-1.1	96.0	90.6
273.0	12.983	35.700	26.956	50.8	75.6	4.2	75.7	86.8
274.0	12.972	35.704	26.961	51.3	103.9	-4.8	104.0	92.3
275.0	12.956	35.697	26.960	51.1	106.7	-2.0	106.7	91.1
276.0	12.928	35.677	26.950	50.5	116.5	-4.7	116.6	92.6
277.0	12.904	35.677	26.954	51.0	112.2	-3.8	112.2	91.9
278.0	12.868	35.682	26.965	51.5	105.3	-1.7	105.3	90.9
279.0	12.836	35.695	26.981	51.4	109.6	-2.6	109.6	91.4
280.0	12.819	35.688	26.980	51.0	109.0	3.3	109.0	89.8
281.0	12.810	35.672	26.970	51.1	105.2	4.3	105.3	87.7
282.0	12.797	35.684	26.981	51.6	113.4	2.6	113.4	88.7
283.0	12.758	35.709	27.008	51.4	110.5	-1.5	110.5	90.3
284.0	12.741	35.713	27.015	51.4	110.1	-3.9	110.2	92.0
285.0	12.724	35.692	27.002	51.3	109.7	-7.3	110.0	93.8
286.0	12.708	35.637	26.963	51.3	109.3	-10.7	109.8	95.6
287.0	12.673	35.628	26.963	51.1	111.5	-10.0	112.0	95.1
288.0	12.607	35.685	27.020	51.4	105.0	-5.6	105.2	93.0
289.0	12.557	35.672	27.020	51.2	103.4	-11.8	104.1	96.5
290.0	12.536	35.627	26.989	51.3	114.7	-12.7	115.4	96.5
291.0	12.503	35.618	26.988	51.0	119.8	-13.6	120.6	96.5
292.0	12.493	35.600	26.977	50.9	106.0	-9.3	106.4	95.0
293.0	12.476	35.594	26.975	51.5	90.9	-10.2	91.5	96.4
294.0	12.433	35.614	26.999	51.9	17.7	14.9	23.1	50.1
295.0	12.426	35.589	26.982	51.5	17.0	16.9	24.0	45.2
296.0	12.415	35.580	26.977	50.9	6.2	14.8	16.0	22.7
297.0	12.377	35.590	26.992	51.4	-27.2	2.7	27.3	275.6
298.0	12.335	35.592	27.001	51.5	-27.5	1.1	27.6	272.3
299.0	12.295	35.602	27.018	51.0	-27.0	3.9	27.3	273.3
300.0	12.261	35.584	27.010	50.8	-26.2	3.9	26.5	278.4
301.0	12.232	35.622	27.045	51.5	-28.9	3.1	29.1	276.0

Station: 226
 Cruise : 91-G-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
302.0	12.187	35.650	27.075	50.9	-25.9	5.3	26.4	281.6
303.0	12.171	35.608	27.046	51.3	-28.5	2.1	28.6	274.3
304.0	12.147	35.608	27.051	50.5	-24.5	9.7	26.4	291.6
305.0	12.137	35.590	27.039	50.6	-27.3	5.9	27.9	282.2
306.0	12.123	35.567	27.023	50.9	-26.8	6.4	29.5	282.6
307.0	12.089	35.552	27.019	50.8	-28.5	9.2	29.9	282.6
308.0	12.048	35.549	27.024	51.1	-27.6	12.6	30.3	294.5
309.0	12.034	35.527	27.010	51.3	-28.0	13.6	31.1	295.9
310.0	12.019	35.532	27.016	51.4	-28.4	14.6	31.9	297.2
311.0	11.993	35.545	27.032	51.0	-29.7	13.4	32.6	294.2
312.0	11.957	35.557	27.048	51.9	-27.4	16.6	32.0	301.3
313.0	11.944	35.544	27.041	51.6	-31.8	13.2	34.5	292.6
314.0	11.932	35.524	27.027	52.0	-30.3	16.5	34.4	299.6
315.0	11.920	35.515	27.023	51.2	-17.4	29.3	34.5	329.7
316.0	11.916	35.508	27.018	50.7	-15.1	32.9	36.2	335.4
317.0	11.908	35.504	27.016	50.9	-14.0	32.0	35.0	336.3
318.0	11.882	35.507	27.024	51.2	-12.5	33.3	35.5	339.4
319.0	11.866	35.504	27.024	51.0	-15.0	34.0	37.1	336.6
320.0	11.855	35.496	27.020	51.3	-12.5	33.3	35.6	339.4
321.0	11.838	35.487	27.016	51.1	-12.7	33.6	35.9	339.3
322.0	11.819	35.482	27.016	51.0	-11.7	34.0	35.9	340.9
323.0	11.785	35.487	27.027	50.5	-11.1	34.9	36.6	342.4
324.0	11.753	35.486	27.032	50.7	-8.8	33.4	34.6	345.2
325.0	11.730	35.465	27.020	50.5	-8.7	34.2	35.3	345.7
326.0	11.708	35.464	27.023	50.4	-8.6	35.0	36.1	346.2
327.0	11.686	35.516	27.068	51.1	-10.6	37.1	38.6	344.0
328.0	11.628	35.470	27.043	51.4	-8.3	35.6	36.6	346.9
329.0	11.605	35.475	27.052	51.5	-10.2	37.0	38.4	344.6
330.0	11.566	35.467	27.053	51.9	-10.2	36.0	39.3	345.5
331.0	11.529	35.472	27.064	51.9	-8.2	33.0	39.9	346.3
332.0	11.493	35.490	27.084	51.8	-7.6	33.1	38.8	348.8
333.0	11.451	35.482	27.086	51.5	-5.4	36.4	36.3	351.4
334.0	11.428	35.445	27.061	52.2	-9.9	37.0	39.9	345.5
335.0	11.399	35.439	27.062	51.7	-9.1	37.7	38.6	347.3
336.0	11.362	35.427	27.056	51.8	-5.5	38.8	39.2	351.9
337.0	11.367	35.407	27.043	51.3	-5.5	39.3	39.7	352.1
338.0	11.333	35.437	27.073	52.1	-5.4	39.9	39.9	352.1
339.0	11.284	35.462	27.093	51.5	-4.3	38.3	38.5	353.6
340.0	11.276	35.435	27.082	51.8	-4.8	38.5	38.8	352.9
341.0	11.252	35.438	27.089	51.2	-5.0	39.2	39.5	352.3
342.0	11.214	35.440	27.097	51.1	-5.4	39.6	39.5	352.0
343.0	11.201	35.427	27.090	51.2	-5.1	39.9	40.2	352.0
344.0	11.169	35.423	27.089	51.7	-3.2	39.7	39.8	355.4
345.0	11.180	35.410	27.080	51.9	-2.9	33.9	39.0	355.3
346.0	11.171	35.395	27.070	51.3	-3.2	40.1	40.2	355.5
347.0	11.158	35.378	27.059	51.2	-1.5	33.0	38.0	357.7
348.0	11.113	35.426	27.105	51.9	-1.3	33.7	38.8	356.0
349.0	11.087	35.437	27.113	52.1	-1.7	39.1	39.1	359.0
350.0	11.080	35.428	27.113	51.8	-2.3	40.3	40.3	357.6
351.0	11.076	35.414	27.103	51.7	-1.0	38.5	38.5	359.5
352.0	11.074	35.382	27.078	52.1	-1.1	38.0	38.0	358.4
353.0	11.038	35.392	27.092	52.5	-2.7	40.7	40.8	356.2
354.0	11.020	35.379	27.085	52.1	-1.3	39.2	39.2	358.1
355.0	11.003	35.367	27.080	51.9	1.3	35.6	35.7	352.1
356.0	10.983	35.361	27.078	51.9	1.5	35.2	35.2	352.7
357.0	10.964	35.349	27.073	51.9	1.4	34.7	34.7	359.3
358.0	10.926	35.352	27.081	51.5	-3.6	37.8	38.0	354.5
359.0	10.902	35.352	27.086	51.1	-1.7	40.6	40.7	357.6
360.0	10.891	35.355	27.090	51.0	1.5	40.4	40.4	359.3
361.0	10.885	35.355	27.092	51.5	1.7	37.7	37.7	1.1

Station: 22S
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year 1981 Day 66 Hour 19 Minute 44

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
362.0	10.884	35.334	27.075	51.5	.6	39.7	39.7	.9
363.0	10.864	35.302	27.054	51.5	.4	38.2	38.2	.5
364.0	10.813	35.213	27.072	51.0	.5	40.2	40.2	.7
365.0	10.765	35.341	27.102	51.6	.6	39.6	39.6	.9
366.0	10.757	35.334	27.098	51.6	1.1	39.0	39.0	2.0
367.0	10.745	35.331	27.098	51.6	1.2	40.8	40.8	3.5
368.0	10.728	35.312	27.086	51.2	1.0	40.8	40.8	1.7
369.0	10.694	35.306	27.088	51.9	2.0	37.1	37.1	3.0
370.0	10.654	35.310	27.098	51.3	1.1	38.9	38.9	1.6
371.0	10.617	35.316	27.109	51.1	.7	40.0	40.0	1.0
372.0	10.583	35.323	27.121	51.6	2.6	37.9	37.9	3.0
373.0	10.560	35.320	27.123	51.0	2.6	38.2	38.2	3.0
374.0	10.536	35.305	27.115	51.3	2.6	38.5	38.5	3.0
375.0	10.512	35.287	27.105	51.7	2.7	38.8	38.8	3.0
376.0	10.479	35.296	27.120	51.4	3.0	38.7	38.7	3.0
377.0	10.461	35.295	27.121	51.6	5.0	35.1	35.4	8.0
378.0	10.446	35.290	27.119	51.3	3.5	35.9	36.1	5.6
379.0	10.433	35.279	27.113	51.6	3.4	37.4	37.6	5.6
380.0	10.411	35.265	27.106	51.0	3.8	37.0	37.2	5.8
381.0	10.385	35.236	27.088	50.4	4.7	37.3	37.6	7.2
382.0	10.329	35.254	27.112	51.2	4.9	35.0	35.3	8.0
383.0	10.271	35.293	27.153	51.1	4.9	36.6	36.9	7.6
384.0	10.264	35.278	27.142	51.0	5.9	34.8	35.3	9.6
385.0	10.254	35.277	27.143	51.7	5.7	35.7	36.1	9.1
386.0	10.249	35.261	27.132	50.8	5.7	33.8	34.3	9.9
387.0	10.235	35.252	27.127	51.4	6.3	31.4	32.3	11.4
388.0	10.205	35.268	27.145	50.8	3.6	39.1	39.3	5.2
389.0	10.198	35.262	27.142	50.3	6.1	33.6	34.2	10.0
390.0	10.182	35.266	27.147	50.9	5.9	30.7	31.2	11.0
391.0	10.167	35.273	27.155	51.6	3.8	30.9	31.1	7.7
392.0	10.163	35.258	27.144	51.1	4.2	32.4	32.7	7.5
393.0	10.154	35.237	27.130	51.6	6.5	29.9	30.6	12.0
394.0	10.134	35.238	27.133	51.6	6.2	29.5	30.2	11.9
395.0	10.115	35.235	27.134	51.6	5.9	29.1	29.7	11.4
396.0	10.088	35.243	27.145	51.0	5.9	30.2	30.8	11.1
397.0	10.055	35.255	27.160	51.3	6.1	28.1	28.7	12.3
398.0	10.035	35.230	27.144	51.1	5.0	28.5	28.9	9.9
399.0	9.986	35.241	27.161	51.1	4.2	25.9	25.9	9.9
400.0	9.905	35.264	27.193	51.3	3.9	25.9	25.5	8.8
401.0	9.880	35.244	27.182	51.4	6.0	25.0	25.7	13.6
402.0	9.868	35.240	27.181	51.4	4.1	27.0	27.3	6.7
403.0	9.861	35.237	27.180	51.8	4.1	24.3	24.9	13.0
404.0	9.843	35.242	27.187	51.5	2.9	24.7	24.9	6.8
405.0	9.836	35.228	27.177	52.0	5.8	23.0	23.7	14.2
406.0	9.833	35.223	27.173	51.7	5.6	23.1	23.8	13.6
407.0	9.833	35.212	27.165	52.1	7.5	21.3	22.6	19.3
408.0	9.830	35.208	27.163	51.4	2.5	25.3	25.4	4.5
409.0	9.830	35.206	27.161	52.0	4.7	23.8	24.2	11.2
410.0	9.828	35.204	27.160	51.8	1.2	25.9	25.9	2.6
411.0	9.827	35.197	27.154	52.4	.8	29.1	29.1	1.1
412.0	9.821	35.188	27.148	51.4	-5.0	29.8	30.2	35.0
413.0	9.805	35.190	27.153	50.8	-3.1	25.7	25.9	35.2
414.0	9.793	35.179	27.146	53.6	6.2	22.1	23.0	15.8
415.0	9.769	35.176	27.148	53.7	4.4	24.5	24.5	.8
416.0	9.731	35.189	27.164	52.5	4.2	21.4	21.8	11.2
417.0	9.708	35.187	27.167	51.9	2.2	21.6	21.7	5.7
418.0	9.693	35.190	27.172	52.7	3.4	19.2	19.5	10.1
419.0	9.690	35.187	27.170	51.9	-1.1	20.0	20.0	35.8
420.0	9.687	35.185	27.169	52.1	4.6	19.7	20.2	13.2
421.0	9.680	35.179	27.165	51.9	.9	19.9	19.9	2.7

Station: 22S
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
422.0	9.670	35.174	27.163	51.8	1.4	17.3	17.4	4.6
423.0	9.655	35.169	27.162	53.1	5.1	14.5	15.3	19.3
424.0	9.642	35.162	27.159	52.4	-1.5	13.4	13.4	357.9
425.0	9.620	35.168	27.167	52.4	7.5	14.7	16.5	27.0
426.0	9.604	35.157	27.161	52.9	1.4	13.6	13.7	5.8
427.0	9.574	35.159	27.168	53.0	3.0	10.5	11.0	15.8
428.0	9.545	35.170	27.181	53.0	5.6	11.7	13.0	25.4
429.0	9.537	35.158	27.173	52.2	2.3	9.5	9.7	13.4
430.0	9.528	35.152	27.169	52.3	6.3	10.7	12.4	20.5
431.0	9.515	35.155	27.175	54.0	4.0	8.9	9.8	24.0
432.0	9.505	35.149	27.171	53.0	-4.3	4.3	6.1	314.9
433.0	9.494	35.150	27.174	53.1	2.8	4.7	5.4	30.9
434.0	9.480	35.154	27.180	53.4	4.7	5.6	7.3	39.9
435.0	9.474	35.143	27.172	53.7	5.6	5.4	7.3	45.7
436.0	9.454	35.143	27.175	53.5	6.1	5.3	8.1	49.3
437.0	9.437	35.144	27.179	52.7	5.9	5.7	8.3	45.9
438.0	9.415	35.149	27.187	52.8	7.8	3.9	8.7	63.7
439.0	9.401	35.148	27.188	52.6	4.0	3.8	4.1	78.2
440.0	9.386	35.145	27.188	52.3	1.1	-2.2	2.2	177.2
441.0	9.370	35.149	27.194	52.3	5.5	5.3	7.6	46.1
442.0	9.363	35.134	27.183	52.4	8.9	2.3	9.2	75.9
443.0	9.345	35.118	27.174	51.7	7.3	4.7	8.7	57.4
444.0	9.315	35.119	27.179	53.5	9.3	4.7	10.4	63.0
445.0	9.277	35.120	27.186	52.3	8.2	3.4	8.9	67.7
446.0	9.252	35.123	27.193	53.0	4.7	-1.0	4.8	101.7
447.0	9.233	35.134	27.204	53.2	9.4	6.2	11.3	56.6
448.0	9.233	35.117	27.191	53.9	10.8	7.4	13.1	55.3
449.0	9.219	35.109	27.187	52.9	7.4	-1.0	7.5	93.0
450.0	9.197	35.114	27.195	52.9	8.9	-1.9	9.0	95.8
451.0	9.180	35.112	27.196	52.4	6.9	-2.0	7.1	106.6
452.0	9.174	35.088	27.178	52.9	10.6	-1.3	10.7	83.2
453.0	9.137	35.091	27.187	52.0	9.2	-1.5	9.3	99.6
454.0	9.108	35.096	27.195	52.2	10.1	-1.6	10.1	86.6
455.0	9.098	35.097	27.197	52.1	10.4	-1.8	10.4	94.3
456.0	9.063	35.109	27.212	52.9	11.4	-1.6	11.4	87.0
457.0	9.044	35.092	27.202	52.8	11.6	1.1	11.7	84.4
458.0	9.024	35.097	27.210	53.3	10.1	-2.4	10.4	103.5
459.0	9.019	35.097	27.210	53.0	11.4	-2.7	11.7	103.3
460.0	9.012	35.097	27.212	52.8	11.5	-1.9	11.6	94.6
461.0	9.004	35.085	27.204	52.4	11.4	-1.0	11.5	95.1
462.0	8.986	35.077	27.200	52.2	11.5	-1.6	11.6	98.0
463.0	8.968	35.066	27.195	52.0	11.5	-2.2	11.7	100.8
464.0	8.930	35.073	27.206	52.8	11.7	-1.4	11.8	97.0
465.0	8.911	35.047	27.189	52.6	10.5	-1.4	10.6	88.1
466.0	8.870	35.047	27.196	52.9	9.7	-1.7	9.8	99.8
467.0	8.803	35.084	27.235	51.3	12.1	-2.6	12.4	77.9
468.0	8.787	35.080	27.235	52.8	10.4	-2.4	10.7	102.9
469.0	8.774	35.085	27.241	53.4	9.0	-12.5	15.4	144.1
470.0	8.763	35.082	27.240	52.1	8.5	-19.1	20.9	156.1
471.0	8.751	35.066	27.230	52.8	6.1	-14.0	15.2	156.4
472.0	8.743	35.046	27.215	52.9	7.1	-9.0	11.4	141.6
473.0	8.718	35.057	27.228	52.6	8.5	-4.2	9.5	116.2
474.0	8.704	35.055	27.228	53.0	12.1	-1.6	12.1	87.3
475.0	8.693	35.043	27.221	52.3	10.7	-1.5	10.7	92.7
476.0	8.669	35.049	27.229	52.8	10.1	-2.1	10.3	101.8
477.0	8.654	35.046	27.229	53.3	13.5	-1.4	13.6	88.4
478.0	8.637	35.040	27.227	53.3	11.5	-1.9	11.6	94.4
479.0	8.621	35.030	27.222	53.9	9.5	-2.2	9.8	102.3
480.0	8.599	35.041	27.233	52.8	8.3	-2.5	8.7	106.7
481.0	8.589	35.039	27.234	52.5	9.7	-1.0	9.8	96.1

Station: 226
 Cruise : 01-G-3
 Ship : GYRE
 Position: Latitude 27 27.19 N
 Longitude 93 55.63 W
 Time: Year Day Hour Minute
 1981 66 19 44

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
482.0	8.578	35.033	27.231	51.9	8.9	-1.1	9.0	97.2
483.0	8.555	35.042	27.247	52.0	10.1	-1.9	10.3	100.6
484.0	8.539	35.052	27.252	52.0	10.6	-3.7	11.3	109.4
485.0	8.532	35.040	27.244	52.8	11.3	-3.1	11.8	105.2
486.0	8.514	35.044	27.249	53.0	11.0	-3.6	11.6	108.3
487.0	8.507	35.039	27.247	52.6	9.0	-2.9	9.4	107.9
488.0	8.501	35.032	27.242	52.9	11.0	-1.4	11.1	97.0
489.0	8.480	35.041	27.252	52.3	11.7	.2	11.7	89.1
490.0	8.470	35.037	27.251	52.2	7.7	-7.5	10.7	134.3
491.0	8.457	35.036	27.252	51.9	5.4	-8.8	10.3	143.6
492.0	8.452	35.029	27.248	52.1	7.5	-6.5	8.3	115.0
493.0	8.442	35.025	27.245	51.4	9.9	-4.9	11.1	116.1
494.0	8.427	35.024	27.247	51.6	9.8	-4.9	11.0	116.8
495.0	8.411	35.024	27.249	51.8	9.7	-5.0	10.9	117.5
496.0	8.396	35.025	27.253	52.2	11.4	-3.3	11.8	106.2
497.0	8.389	35.019	27.249	52.3	9.8	-3.1	10.3	107.3
498.0	8.375	35.022	27.254	51.7	9.7	-2.3	9.9	103.3
499.0	8.369	35.017	27.251	53.0	8.9	-2.5	9.3	105.3
500.0	8.349	35.022	27.258	52.8	10.0	-2.2	10.3	102.3
501.0	8.337	35.028	27.264	52.5	9.3	-2.5	9.7	104.3
502.0	8.334	35.019	27.258	52.5	9.4	-3.2	10.0	108.8
503.0	8.331	35.008	27.249	53.4	12.5	-2.0	12.6	98.9
504.0	8.314	35.028	27.268	53.0	12.1	-1.4	12.1	91.7
505.0	8.294	35.042	27.282	53.1	8.6	-2.8	9.0	108.3

Station: 235
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.98 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal Ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
1.0	20.5899	35.5394	25.031	53.9	41.5	69.0	98.2	25.0
2.0	20.5887	35.5388	25.034	53.6	19.8	74.9	77.2	14.1
3.0	20.5955	35.5383	25.028	53.5	17.2	60.5	82.3	12.1
4.0	20.5988	35.5383	25.027	53.3	23.4	63.3	88.2	16.6
5.0	20.5997	35.5385	25.029	54.0	29.2	61.2	86.3	19.6
6.0	20.5995	35.5385	25.029	54.0	21.6	61.9	84.9	14.6
7.0	20.5888	35.5399	25.034	53.1	9.8	60.2	60.8	7.0
8.0	20.5995	35.6288	25.100	53.2	12.7	78.1	79.2	9.2
9.0	20.5994	35.713	25.165	53.7	16.6	76.1	77.9	12.3
10.0	20.811	35.716	25.109	53.4	15.6	69.1	70.8	12.7
11.0	21.172	35.836	24.722	54.2	14.3	69.1	70.6	11.7
12.0	21.470	35.953	25.103	54.7	12.8	66.1	67.9	11.0
13.0	21.768	36.143	25.170	55.3	11.3	63.1	64.1	10.2
14.0	22.066	36.142	25.085	55.9	9.8	60.1	60.9	9.3
15.0	22.102	36.165	25.093	56.0	7.3	55.9	56.4	7.4
16.0	22.103	36.221	25.135	55.8	11.4	52.8	54.0	12.2
17.0	22.099	36.244	25.154	56.6	11.2	57.0	58.1	11.1
18.0	22.090	36.247	25.153	56.2	10.7	47.5	48.7	12.7
19.0	22.081	36.219	25.139	55.8	11.9	44.7	46.3	14.9
20.0	22.016	36.238	25.172	55.9	12.8	45.5	47.2	15.7
21.0	21.951	36.257	25.205	56.0	13.7	46.2	48.2	16.5
22.0	21.886	36.258	25.224	56.1	14.6	47.0	49.2	17.3
23.0	21.821	36.241	25.229	56.2	15.6	47.8	50.2	18.1
24.0	21.707	36.257	25.273	55.6	11.4	40.2	41.9	15.8
25.0	21.592	36.309	25.345	55.1	7.2	32.7	33.5	12.4
26.0	21.537	36.347	25.389	55.5	9.1	40.4	41.4	12.7
27.0	21.520	36.309	25.365	54.1	8.2	35.9	36.8	12.9
28.0	21.468	36.327	25.393	54.1	5.4	35.9	36.3	8.5
29.0	21.293	36.410	25.505	51.6	2.7	33.3	33.4	4.6
30.0	21.214	36.290	25.435	52.4	2.6	31.2	31.3	4.3
31.0	21.116	36.259	25.439	53.0	4.4	32.3	32.6	7.8
32.0	20.987	36.338	25.534	53.9	7.6	32.7	33.6	13.0
33.0	20.961	36.337	25.540	53.6	9.2	29.6	31.0	17.2
34.0	20.938	36.355	25.560	53.5	10.3	30.8	32.5	18.5
35.0	20.936	36.352	25.558	53.6	9.9	28.0	29.7	19.4
36.0	20.934	36.354	25.560	53.6	9.5	25.3	27.0	20.5
37.0	20.930	36.356	25.563	54.4	8.5	27.2	28.5	17.0
38.0	20.931	36.349	25.558	54.1	8.6	24.9	26.3	19.0
39.0	20.922	36.357	25.566	55.4	5.7	19.7	20.5	16.1
40.0	20.907	36.365	25.577	54.4	6.5	20.4	21.4	17.8
41.0	20.905	36.352	25.567	54.3	3.9	17.0	17.4	12.8
42.0	20.901	36.340	25.559	54.3	4.1	17.5	18.0	13.2
43.0	20.885	36.345	25.567	53.4	3.1	16.3	16.6	10.7
44.0	20.873	36.348	25.572	53.1	5.4	16.3	17.2	18.4
45.0	20.867	36.341	25.569	53.5	3.5	14.0	14.4	13.9
46.0	20.868	36.334	25.563	52.9	4.0	14.5	15.1	15.3
47.0	20.862	36.336	25.566	52.6	3.6	15.4	15.8	13.2
48.0	20.838	36.332	25.570	52.9	2.6	14.4	14.6	10.4
49.0	20.813	36.328	25.574	53.2	1.7	13.4	13.5	7.1
50.0	20.791	36.333	25.583	53.6	2.7	13.9	14.2	10.9
51.0	20.776	36.337	25.591	53.5	.1	13.9	13.9	.3
52.0	20.774	36.344	25.597	53.2	2.6	12.0	12.3	12.1
53.0	20.771	36.335	25.590	52.8	1.6	9.9	10.1	9.3
54.0	20.762	36.326	25.586	52.4	-2.2	12.6	12.8	350.0
55.0	20.756	36.328	25.589	52.4	-2.4	12.7	12.9	349.5
56.0	20.751	36.333	25.594	52.5	-1.9	11.5	11.6	350.4
57.0	20.750	36.328	25.591	52.7	.9	8.9	9.0	5.9
58.0	20.749	36.322	25.587	52.3	.9	5.4	5.5	350.2
59.0	20.748	36.317	25.583	52.0	1.2	7.8	7.9	8.9
60.0	20.742	36.321	25.588	52.3	-2.2	6.0	6.4	339.6

Station: 236
 Cruise : 31-G-3
 Ship : GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.93 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	20.731	36.329	25.597	51.6	-2.7	9.1	9.5	343.7
62.0	20.731	36.319	25.589	52.5	-7.1	7.7	10.5	317.4
63.0	20.730	36.315	25.586	51.7	-3.8	8.4	9.3	335.9
64.0	20.728	36.312	25.585	51.3	1.7	10.5	10.7	31.9
65.0	20.726	36.313	25.586	51.0	-2.5	10.0	10.3	14.0
66.0	20.724	36.314	25.587	51.3	-3.7	8.2	9.0	336.0
67.0	20.723	36.311	25.585	51.4	-7.7	4.4	8.9	299.4
68.0	20.719	36.311	25.586	51.2	-13.5	-2.9	13.3	257.7
69.0	20.715	36.310	25.586	51.7	-9.8	4.6	10.8	295.1
70.0	20.712	36.308	25.586	51.4	-9.7	5.5	11.2	299.9
71.0	20.708	36.307	25.586	51.0	-10.1	3.1	10.6	297.9
72.0	20.696	36.307	25.590	51.7	-12.3	2.0	12.9	278.3
73.0	20.684	36.304	25.590	51.2	-13.7	-1.4	13.7	266.3
74.0	20.673	36.302	25.592	51.8	-16.4	2.3	16.5	273.8
75.0	20.649	36.310	25.605	51.8	-18.8	-2.2	19.0	263.0
76.0	20.644	36.284	25.586	51.6	-18.0	-1.5	18.1	265.2
77.0	20.624	36.235	25.554	51.7	-19.6	2.2	19.7	276.4
78.0	20.545	36.188	25.540	51.3	-13.3	2.2	18.9	276.7
79.0	20.450	36.198	25.573	50.3	-16.7	2.7	17.0	279.1
80.0	20.341	36.263	25.652	51.0	-18.6	5.5	19.4	286.3
81.0	20.298	36.258	25.659	51.0	-22.8	4.3	23.2	290.7
82.0	20.197	36.316	25.731	51.1	-23.5	5.4	24.1	292.3
83.0	20.149	36.333	25.756	50.1	-21.6	6.4	22.5	286.6
84.0	20.134	36.329	25.757	50.3	-21.3	5.1	21.9	283.4
85.0	20.133	36.317	25.748	49.9	-21.8	7.0	22.9	287.3
86.0	20.136	36.299	25.734	50.7	-23.9	8.4	25.4	289.9
87.0	20.104	36.303	25.745	50.4	-25.8	8.3	25.7	287.7
88.0	19.984	36.374	25.831	50.8	-31.1	4.1	31.4	277.5
89.0	19.956	36.368	25.835	51.0	-28.8	11.5	31.0	291.7
90.0	19.951	36.353	25.828	50.0	-31.5	7.7	32.4	283.3
91.0	19.933	36.358	25.833	50.2	-31.7	9.0	32.9	285.3
92.0	19.916	36.353	25.834	50.4	-31.8	10.5	33.5	283.3
93.0	19.899	36.339	25.827	50.6	-31.9	12.0	34.1	290.7
94.0	19.888	36.328	25.822	50.4	-30.8	13.3	33.3	294.1
95.0	19.850	36.349	25.848	51.1	-31.6	9.5	33.0	287.4
96.0	19.839	36.346	25.848	50.7	-34.5	9.7	35.3	285.3
97.0	19.819	36.348	25.855	50.3	-33.0	11.9	35.1	289.3
98.0	19.775	36.369	25.883	50.1	-35.7	11.6	37.6	283.0
99.0	19.761	36.368	25.886	50.8	-35.3	12.2	37.3	289.1
100.0	19.751	36.358	25.881	51.0	-35.6	14.6	38.5	292.2
101.0	19.730	36.357	25.885	51.3	-33.9	13.7	36.6	292.0
102.0	19.725	36.340	25.874	50.6	-37.2	17.7	41.1	295.4
103.0	19.717	36.333	25.870	51.0	-35.6	14.7	38.5	292.4
104.0	19.695	36.361	25.898	50.5	-33.3	16.8	37.7	296.5
105.0	19.687	36.466	25.980	50.3	-32.7	18.8	37.7	299.9
106.0	19.715	36.536	26.026	50.2	-34.1	14.4	37.0	292.9
107.0	19.817	36.452	25.935	50.0	-31.8	18.1	36.6	299.6
108.0	19.706	36.478	25.985	50.2	-33.9	16.3	37.3	296.3
109.0	19.510	36.367	25.951	50.1	-34.0	15.7	37.4	294.7
110.0	19.217	36.200	25.899	49.5	-37.4	17.6	41.3	295.2
111.0	18.626	36.410	26.211	48.3	-34.8	17.1	38.8	296.2
112.0	18.393	36.444	26.296	48.0	-39.4	22.4	45.4	299.7
113.0	18.361	36.325	26.213	48.1	-36.8	21.9	42.8	300.8
114.0	18.321	36.283	26.191	48.4	-33.5	21.1	39.6	302.2
115.0	18.282	36.337	26.243	48.7	-30.2	20.2	36.4	303.3
116.0	18.309	36.397	26.282	48.6	-33.6	20.1	39.2	300.9
117.0	18.510	36.366	26.207	49.3	-34.6	20.1	40.0	300.1
118.0	18.649	36.327	26.142	49.6	-35.0	19.6	40.1	299.2
119.0	18.567	36.403	26.221	49.9	-31.7	20.0	37.5	302.3
120.0	18.487	36.459	26.284	49.3	-36.6	16.9	40.3	294.3

Station: 235
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.93 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.471	36.427	26.264	49.7	-32.0	18.1	36.7	299.6
122.0	18.418	36.403	26.259	49.3	-31.3	19.1	36.7	301.4
123.0	18.358	36.401	26.272	49.7	-33.4	19.4	38.6	300.1
124.0	18.266	36.383	26.277	49.2	-28.0	22.1	35.7	308.3
125.0	18.198	36.383	26.298	49.6	-31.3	19.2	36.7	301.5
126.0	18.106	36.425	26.354	49.4	-28.8	20.1	35.1	304.9
127.0	18.035	36.437	26.381	49.3	-31.4	18.3	36.4	300.3
128.0	18.023	36.420	26.371	49.3	-33.8	16.8	37.8	296.5
129.0	18.002	36.405	26.364	49.0	-30.1	17.7	34.9	300.5
130.0	17.984	36.396	26.362	50.1	-31.7	19.1	37.1	301.1
131.0	17.953	36.351	26.336	50.5	-29.6	20.1	35.8	304.2
132.0	17.855	36.382	26.383	50.0	-32.1	19.3	37.4	301.0
133.0	17.790	36.397	26.411	50.2	-32.1	18.6	37.1	300.0
134.0	17.729	36.390	26.420	49.9	-26.8	17.8	32.2	303.6
135.0	17.708	36.378	26.416	49.9	-30.0	18.9	35.5	302.2
136.0	17.667	36.366	26.417	49.7	-31.6	19.9	37.3	302.3
137.0	17.619	36.360	26.425	49.6	-32.8	20.2	38.6	301.7
138.0	17.531	36.384	26.465	49.5	-30.7	20.2	36.8	303.3
139.0	17.454	36.399	26.495	49.9	-32.0	19.4	37.4	301.3
140.0	17.376	36.454	26.556	50.2	-33.3	18.7	38.2	299.3
141.0	17.299	36.493	26.605	50.6	-34.6	18.0	39.0	297.5
142.0	17.237	36.438	26.577	49.6	-32.7	17.1	36.9	297.6
143.0	17.096	36.459	26.628	48.9	-32.5	17.8	37.1	298.7
144.0	17.014	36.457	26.645	50.3	-34.2	20.1	39.7	300.4
145.0	16.979	36.396	26.607	49.7	-32.5	18.4	37.4	299.4
146.0	16.944	36.282	26.528	49.0	-30.9	16.7	35.1	298.4
147.0	16.868	36.259	26.529	48.7	-31.1	17.5	35.7	299.3
148.0	16.800	36.305	26.580	48.9	-28.1	16.9	32.8	301.1
149.0	16.742	36.317	26.603	48.2	-18.8	15.0	24.1	308.6
150.0	16.729	36.313	26.604	48.6	-24.7	17.1	30.0	304.7
151.0	16.718	36.285	26.584	48.6	-27.0	17.5	32.2	302.9
152.0	16.694	36.258	26.569	48.8	-1.6	10.4	10.5	351.1
153.0	16.649	36.268	26.588	48.9	-20.6	11.0	23.3	298.2
154.0	16.603	36.241	26.578	50.2	-32.7	15.7	36.3	295.6
155.0	16.555	36.193	26.553	50.0	-30.9	13.0	33.5	292.8
156.0	16.458	36.186	26.570	49.8	-27.6	13.3	30.7	295.7
157.0	16.365	36.188	26.593	50.2	-27.9	13.3	30.9	295.5
158.0	16.327	36.172	26.590	49.7	-24.6	12.9	27.8	297.7
159.0	16.263	36.191	26.619	50.4	-25.1	13.3	28.4	298.0
160.0	16.215	36.193	26.632	50.3	-27.1	12.5	29.9	294.8
161.0	16.183	36.203	26.646	50.1	-29.7	12.4	32.2	292.7
162.0	16.162	36.219	26.664	49.7	-28.7	13.1	31.6	294.5
163.0	16.150	36.204	26.655	49.8	-29.5	13.8	32.5	295.1
164.0	16.142	36.164	26.626	50.3	-29.3	13.5	32.2	294.3
165.0	16.119	36.153	26.624	49.5	-11.6	7.5	13.8	303.0
166.0	16.089	36.167	26.641	50.5	-11.0	6.3	12.7	300.0
167.0	16.079	36.155	26.634	49.9	-25.4	11.2	27.8	293.9
168.0	16.069	36.148	26.631	49.6	-7.7	2.0	7.9	284.3
169.0	16.062	36.150	26.634	49.7	-31.3	18.7	36.5	300.8
170.0	16.040	36.147	26.638	49.3	-10.5	9.0	13.8	310.8
171.0	16.029	36.148	26.641	49.8	-22.6	17.9	28.8	308.3
172.0	16.006	36.152	26.649	48.9	-11.1	-2.9	11.4	255.4
173.0	15.989	36.149	26.650	49.2	2.4	-12.9	13.1	169.3
174.0	15.937	36.157	26.669	49.4	-8.0	-8.2	11.5	224.1
175.0	15.876	36.141	26.671	49.7	-7.1	-4.2	8.2	239.2
176.0	15.824	36.120	26.666	50.4	-2.7	-10.8	11.2	194.3
177.0	15.783	36.099	26.659	50.3	-3.0	-9.4	9.9	197.4
178.0	15.751	36.072	26.646	50.5	-7.5	-7.6	10.7	224.8
179.0	15.711	36.060	26.646	50.0	-10.5	-1.5	10.5	267.3
180.0	15.659	36.067	26.663	50.8	-1.0	-12.2	12.2	180.2

Station: 235
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.98 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
181.0	15.622	36.038	26.650	50.3	2.8	-14.7	15.0	169.1
182.0	15.524	36.096	26.716	50.7	3.8	-15.6	16.1	166.5
183.0	15.489	36.081	26.713	50.1	3.7	-15.9	16.3	167.0
184.0	15.463	36.068	26.709	50.2	3.6	-12.4	12.4	177.3
185.0	15.434	36.081	26.725	50.3	-1.2	-12.1	12.1	185.8
186.0	15.245	36.109	26.767	49.9	1.4	-14.6	14.7	174.7
187.0	15.285	36.096	26.771	49.7	2.6	-16.0	16.2	170.7
188.0	15.246	36.066	26.756	49.7	2.6	-16.3	16.5	170.8
189.0	15.207	36.073	26.770	49.7	2.7	-16.7	16.9	170.9
190.0	15.182	36.114	26.807	50.0	2.5	-16.8	17.0	171.4
191.0	15.150	36.117	26.817	50.6	2.2	-16.8	16.9	172.6
192.0	15.117	36.048	26.770	50.8	2.1	-16.9	17.0	172.7
193.0	15.075	36.055	26.786	50.5	-3.8	-5.4	10.3	238.7
194.0	15.003	36.087	26.826	50.0	-3.1	-9.4	12.4	220.9
195.0	14.950	36.022	26.788	50.5	-1.1	-16.2	16.2	180.3
196.0	14.915	35.973	26.758	49.8	1.9	-17.1	17.1	177.1
197.0	14.842	36.008	26.801	50.1	1.2	-17.4	17.4	176.0
198.0	14.825	35.983	26.786	49.7	-5.6	-11.7	12.9	205.6
199.0	14.801	35.957	26.771	49.6	-3.0	-14.8	15.1	191.4
200.0	14.740	36.007	26.823	50.0	1.1	-17.7	17.7	180.3
201.0	14.682	36.020	26.846	49.5	1.1	-17.8	17.8	179.6
202.0	14.626	35.998	26.840	49.5	1.1	-18.0	18.0	179.7
203.0	14.607	35.977	26.829	49.9	2.2	-18.1	18.1	179.5
204.0	14.594	35.962	26.820	49.8	1.1	-18.1	18.1	179.6
205.0	14.585	35.943	26.807	49.8	1.3	-18.2	18.2	181.0
206.0	14.581	35.942	26.808	49.7	1.6	-18.3	18.3	182.0
207.0	14.580	35.957	26.819	49.8	1.0	-18.5	18.5	183.1
208.0	14.572	35.933	26.802	49.8	1.2	-18.5	18.5	183.6
209.0	14.533	35.915	26.796	50.1	1.2	-18.7	18.7	183.7
210.0	14.487	35.915	26.807	49.9	1.4	-18.7	18.8	184.2
211.0	14.462	35.883	26.787	49.0	1.4	-18.7	18.7	184.4
212.0	14.404	35.895	26.809	50.4	1.5	-18.7	18.8	184.7
213.0	14.361	35.906	26.827	49.2	2.1	-18.9	19.0	186.5
214.0	14.344	35.891	26.819	49.6	2.3	-19.0	19.2	187.7
215.0	14.308	35.893	26.829	49.6	2.6	-19.1	19.3	188.7
216.0	14.273	35.888	26.833	49.7	3.0	-19.2	19.4	189.3
217.0	14.257	35.857	26.812	49.6	3.4	-19.2	19.5	190.2
218.0	14.224	35.851	26.814	49.7	3.5	-19.3	19.6	190.5
219.0	14.179	35.867	26.852	49.9	3.3	-19.3	19.5	189.9
220.0	14.138	35.887	26.860	49.5	3.5	-19.4	19.7	190.1
221.0	14.086	35.878	26.864	49.6	3.0	-19.4	19.7	188.8
222.0	14.053	35.850	26.850	49.2	2.9	-19.5	19.7	188.4
223.0	14.012	35.853	26.861	49.4	2.7	-19.5	19.7	188.0
224.0	13.976	35.857	26.872	49.4	2.8	-19.3	19.5	188.4
225.0	13.912	35.849	26.879	49.4	2.8	-19.5	19.7	188.0
226.0	13.860	35.841	26.884	49.2	2.9	-19.7	19.9	188.3
227.0	13.820	35.865	26.911	49.3	2.9	-19.5	19.7	188.6
228.0	13.803	35.837	26.892	49.2	1.1	-17.6	17.6	183.7
229.0	13.783	35.803	26.871	49.8	23.0	-55.7	60.2	157.5
230.0	13.736	35.803	26.880	49.5	17.6	-55.4	58.1	162.4
231.0	13.669	35.809	26.899	49.6	11.1	-5.0	5.2	192.2
232.0	13.629	35.803	26.903	49.3	6.7	-1.7	6.9	256.2
233.0	13.598	35.799	26.906	49.5	7.8	1.4	7.8	273.3
234.0	13.592	35.799	26.908	49.3	8.1	-	8.4	254.9
235.0	13.588	35.783	26.896	49.9	-6.0	-19.2	20.2	197.3
236.0	13.585	35.763	26.881	49.1	-6.6	-17.6	18.8	200.5
237.0	13.559	35.775	26.896	50.3	63.0	-76.6	99.1	140.6
238.0	13.550	35.755	26.883	49.9	12.2	-25.9	28.6	154.8
239.0	13.525	35.751	26.884	50.0	4.1	-17.9	18.0	166.8
240.0	13.500	35.752	26.890	50.0	-4.0	-9.1	9.9	203.8

Station: 238
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.98 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
241.0	13.475	35.748	26.893	50.1	-12.1	-1.7	12.1	266.6
242.0	13.442	35.735	26.889	49.9	-11.3	-1.3	11.3	271.5
243.0	13.385	35.759	26.920	49.8	-10.4	2.2	10.7	281.9
244.0	13.369	35.761	26.924	49.6	-13.5	-1.1	13.5	269.7
245.0	13.362	35.738	26.908	50.0	-12.8	1.1	12.8	270.5
246.0	13.342	35.734	26.909	50.0	-16.2	-4.4	16.8	254.9
247.0	13.316	35.740	26.919	50.2	-15.5	-1.3	15.5	265.1
248.0	13.289	35.738	26.923	49.9	-14.4	-1.0	14.4	266.2
249.0	13.260	35.727	26.921	49.7	-14.8	-2.7	15.1	259.7
250.0	13.238	35.705	26.908	49.6	-15.2	-2.9	15.5	259.1
251.0	13.186	35.711	26.924	50.2	-15.3	-6.6	16.6	246.6
252.0	13.135	35.725	26.944	49.7	-16.9	-10.7	20.0	237.6
253.0	13.074	35.751	26.977	49.5	-14.2	-10.8	17.9	232.7
254.0	13.026	35.741	26.979	48.3	-13.9	-19.4	23.9	215.7
255.0	12.985	35.746	26.992	49.2	-12.1	-18.9	22.5	212.5
256.0	12.967	35.735	26.987	49.8	-10.3	-20.0	22.5	207.4
257.0	12.942	35.730	26.987	49.1	-9.8	-21.9	24.0	204.2
258.0	12.909	35.737	27.000	49.7	-9.2	-18.0	20.2	207.0
259.0	12.886	35.735	27.003	49.4	-9.5	-16.3	18.9	210.3
260.0	12.827	35.764	27.037	50.0	-8.3	-15.3	17.4	208.4
261.0	12.816	35.727	27.010	49.7	-7.1	-16.0	17.5	203.9
262.0	12.804	35.691	26.985	49.8	-7.5	-15.0	16.8	206.7
263.0	12.792	35.662	26.965	50.0	-8.0	-13.9	16.1	209.8
264.0	12.780	35.642	26.952	50.2	-8.4	-12.9	15.4	213.1
265.0	12.763	35.651	26.963	49.9	-7.2	-14.5	16.2	206.3
266.0	12.751	35.647	26.962	50.0	-3.5	-13.6	14.0	194.5
267.0	12.734	35.605	26.933	50.1	-2.2	-15.5	15.5	179.2
268.0	12.660	35.637	26.972	50.0	2.5	-14.1	14.3	170.0
269.0	12.638	35.643	26.981	49.8	3.0	-14.1	14.4	167.9
270.0	12.635	35.625	26.968	50.2	6.8	-12.5	14.2	151.5
271.0	12.615	35.603	26.955	50.2	9.1	-11.1	14.4	140.4
272.0	12.547	35.635	26.993	50.0	8.9	-9.6	13.1	137.2
273.0	12.498	35.650	27.015	50.3	11.9	-7.0	13.8	120.3
274.0	12.444	35.639	27.017	50.6	12.5	-3.9	13.1	107.4
275.0	12.397	35.617	27.008	50.4	16.9	-1.7	16.9	92.4
276.0	12.371	35.587	26.991	50.6	19.1	2.4	19.2	82.9
277.0	12.343	35.583	26.993	50.4	23.6	9.4	25.4	68.2
278.0	12.312	35.582	26.998	50.3	29.4	13.9	32.5	64.7
279.0	12.296	35.561	26.985	49.9	31.1	18.5	36.2	59.3
280.0	12.269	35.558	26.988	50.1	34.7	23.7	42.0	55.6
281.0	12.230	35.577	27.011	49.8	33.3	25.3	41.8	52.8
282.0	12.215	35.578	27.014	49.7	29.1	24.2	37.9	50.2
283.0	12.205	35.570	27.010	49.8	28.1	24.9	37.5	48.9
284.0	12.195	35.562	27.005	50.0	27.1	25.5	37.2	46.8
285.0	12.188	35.562	27.007	50.4	29.1	27.4	40.0	46.7
286.0	12.184	35.563	27.008	50.5	26.7	27.3	38.2	44.3
287.0	12.177	35.559	27.007	50.3	25.0	27.1	36.9	42.7
288.0	12.174	35.541	26.994	50.5	27.1	28.4	39.2	43.7
289.0	12.158	35.531	26.989	50.4	24.7	28.6	37.8	40.8
290.0	12.124	35.521	26.988	50.4	21.2	20.7	29.7	45.7
291.0	12.088	35.514	26.989	50.2	7.9	-1.8	7.9	96.1
292.0	12.049	35.523	27.004	50.2	6.5	-6.2	9.0	133.7
293.0	12.026	35.521	27.007	49.8	5.4	-4.9	7.3	132.5
294.0	12.007	35.529	27.016	50.3	5.6	-3.5	6.6	122.5
295.0	11.995	35.526	27.016	50.5	8.0	-2.0	8.2	104.0
296.0	11.987	35.522	27.015	49.9	7.1	-2.8	7.7	111.2
297.0	11.978	35.519	27.014	50.8	8.9	-2.3	9.2	104.6
298.0	11.966	35.506	27.007	50.7	5.5	-3.2	6.4	120.2
299.0	11.951	35.491	26.998	50.9	6.3	-2.4	6.7	111.4
300.0	11.916	35.493	27.006	50.7	6.2	-2.0	6.5	108.1

Station: 233
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.98 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
301.0	11.874	35.522	27.037	51.5	4.9	-1.8	5.2	110.5
302.0	11.859	35.515	27.034	50.9	6.7	-1.6	6.7	95.0
303.0	11.852	35.489	27.015	50.8	8.6	.5	8.6	86.9
304.0	11.820	35.484	27.017	50.6	8.0	.6	8.1	85.4
305.0	11.789	35.479	27.020	50.4	7.5	.8	7.5	83.9
306.0	11.750	35.491	27.036	50.8	4.3	.6	4.3	81.9
307.0	11.739	35.478	27.028	50.4	8.9	2.0	9.1	77.6
308.0	11.726	35.463	27.019	50.4	6.7	.6	6.7	84.8
309.0	11.704	35.465	27.025	50.7	6.6	.1	6.6	89.9
310.0	11.681	35.471	27.034	50.6	5.5	.3	5.5	93.2
311.0	11.650	35.466	27.036	50.8	7.9	1.8	8.1	77.1
312.0	11.617	35.471	27.046	50.2	7.6	1.2	7.7	80.6
313.0	11.591	35.474	27.054	48.9	7.7	.3	7.7	92.4
314.0	11.563	35.455	27.044	50.3	8.2	.2	8.2	88.5
315.0	11.542	35.459	27.051	50.6	6.2	-1.9	6.5	107.6
316.0	11.508	35.481	27.075	50.6	6.5	-2.6	7.0	112.0
317.0	11.491	35.463	27.063	50.5	9.1	3.6	9.8	68.4
318.0	11.467	35.442	27.052	50.9	7.5	-4.2	8.6	119.0
319.0	11.441	35.435	27.051	50.3	5.7	-2.1	6.1	110.0
320.0	11.405	35.447	27.067	50.6	13.1	11.7	17.6	48.3
321.0	11.395	35.426	27.053	50.9	13.5	16.0	20.9	40.2
322.0	11.370	35.430	27.061	50.6	11.8	12.1	16.9	44.4
323.0	11.349	35.434	27.068	50.8	15.3	13.4	20.3	48.8
324.0	11.327	35.431	27.069	50.3	15.6	16.1	22.4	44.2
325.0	11.304	35.430	27.073	50.4	15.5	15.9	22.2	44.2
326.0	11.282	35.428	27.075	50.5	15.3	15.8	21.9	44.1
327.0	11.271	35.419	27.070	51.1	17.9	19.0	26.1	43.4
328.0	11.264	35.424	27.076	50.1	15.5	18.5	24.1	39.9
329.0	11.263	35.422	27.074	50.2	16.2	17.1	23.6	43.5
330.0	11.254	35.416	27.071	50.2	19.0	18.5	26.5	45.8
331.0	11.241	35.410	27.069	50.4	23.2	21.9	31.9	46.7
332.0	11.232	35.399	27.062	50.5	23.3	23.1	32.3	45.7
333.0	11.220	35.384	27.052	50.7	21.6	19.8	29.9	47.0
334.0	11.187	35.387	27.061	50.9	18.4	17.8	25.6	45.9
335.0	11.168	35.405	27.079	50.8	22.4	21.0	30.7	46.8
336.0	11.167	35.389	27.066	50.7	23.3	18.5	29.8	51.6
337.0	11.133	35.378	27.063	51.4	23.7	19.8	30.1	48.8
338.0	11.101	35.390	27.079	50.3	22.7	18.0	29.0	51.5
339.0	11.073	35.409	27.099	51.1	23.3	17.2	28.9	53.6
340.0	11.046	35.388	27.088	50.8	23.0	17.3	28.7	53.1
341.0	11.014	35.393	27.098	50.9	24.3	16.8	29.5	55.4
342.0	10.989	35.405	27.112	51.8	24.1	16.8	29.4	55.2
343.0	10.978	35.374	27.089	51.7	22.2	18.4	28.8	50.0
344.0	10.936	35.384	27.104	51.3	25.0	16.5	29.9	56.5
345.0	10.922	35.380	27.104	51.1	25.6	16.9	30.7	56.6
346.0	10.908	35.369	27.098	50.8	26.2	17.3	31.4	56.6
347.0	10.885	35.355	27.092	50.9	28.2	19.8	34.5	54.9
348.0	10.852	35.361	27.102	51.0	29.4	20.6	35.9	55.0
349.0	10.834	35.362	27.106	51.1	22.0	16.7	27.6	52.8
350.0	10.831	35.344	27.092	50.8	22.8	15.9	27.8	55.2
351.0	10.832	35.317	27.071	50.7	25.0	16.9	30.1	55.9
352.0	10.805	35.319	27.078	51.1	26.2	17.9	31.7	55.6
353.0	10.783	35.316	27.079	51.7	25.8	17.6	31.2	55.7
354.0	10.749	35.311	27.082	51.4	15.8	12.9	20.4	50.7
355.0	10.711	35.309	27.087	51.0	13.9	6.5	15.3	64.8
356.0	10.669	35.325	27.107	51.3	12.6	6.8	14.4	61.7
357.0	10.661	35.296	27.086	52.2	11.1	7.1	13.2	57.6
358.0	10.626	35.301	27.096	51.5	11.3	7.2	13.4	57.4
359.0	10.594	35.321	27.118	51.7	13.2	7.4	15.2	60.6
360.0	10.586	35.318	27.117	51.8	10.0	6.9	12.1	55.6

Station: 235
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.93 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal Ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
361.0	10.574	35.322	27.122	51.3	5.6	3.3	6.5	59.0
362.0	10.566	35.308	27.112	51.4	9.3	3.0	9.7	72.0
363.0	10.552	35.297	27.098	51.3	6.0	3.0	6.6	65.5
364.0	10.517	35.293	27.109	51.4	6.7	3.0	7.7	59.5
365.0	10.483	35.314	27.132	51.4	7.3	5.0	8.8	55.5
366.0	10.478	35.301	27.122	51.3	9.0	5.2	10.5	59.9
367.0	10.470	35.301	27.123	50.9	5.4	4.2	6.8	52.0
368.0	10.457	35.310	27.133	50.1	9.2	5.7	10.8	58.3
369.0	10.450	35.301	27.127	50.7	7.2	6.7	9.9	47.3
370.0	10.437	35.301	27.130	50.8	9.7	7.5	12.3	52.4
371.0	10.427	35.296	27.127	50.7	9.0	7.1	11.5	51.7
372.0	10.419	35.297	27.129	50.3	7.4	7.3	10.7	43.4
373.0	10.406	35.315	27.146	51.3	9.2	9.3	13.3	44.1
374.0	10.372	35.292	27.134	51.0	7.7	10.1	12.7	37.3
375.0	10.324	35.280	27.133	50.9	9.3	11.3	15.0	38.2
376.0	10.284	35.283	27.143	50.8	8.5	11.7	14.4	36.1
377.0	10.251	35.283	27.148	50.4	7.4	11.2	13.4	33.3
378.0	10.232	35.273	27.144	50.9	7.3	12.2	14.4	32.7
379.0	10.205	35.271	27.147	51.5	5.3	11.5	12.6	24.6
380.0	10.185	35.280	27.157	51.4	6.5	11.3	13.0	30.1
381.0	10.160	35.270	27.154	50.9	7.0	15.6	17.1	24.2
382.0	10.116	35.261	27.155	51.4	5.5	13.2	14.3	22.6
383.0	10.094	35.263	27.160	50.9	5.1	13.0	13.9	21.3
384.0	10.076	35.280	27.176	50.9	7.6	14.9	16.7	27.1
385.0	10.054	35.278	27.178	51.1	4.3	13.4	14.1	17.9
386.0	10.028	35.264	27.172	51.2	4.7	14.1	14.9	18.4
387.0	10.002	35.251	27.166	51.2	5.1	14.3	15.7	18.9
388.0	9.993	35.234	27.155	51.2	7.5	16.3	18.0	24.6
389.0	9.976	35.227	27.152	51.7	2.3	14.2	14.4	9.1
390.0	9.961	35.220	27.149	51.4	2.3	16.3	17.0	7.3
391.0	9.940	35.222	27.154	50.3	-1.0	17.2	17.2	360.0
392.0	9.921	35.233	27.167	51.3	5.3	17.3	18.6	16.4
393.0	9.909	35.232	27.168	51.3	7.1	19.3	20.6	20.1
394.0	9.888	35.231	27.170	51.7	6.6	21.3	22.7	16.3
395.0	9.877	35.221	27.164	51.5	6.2	19.1	20.0	17.9
396.0	9.866	35.206	27.155	52.0	3.3	17.3	18.2	12.1
397.0	9.853	35.205	27.156	51.5	10.1	19.3	22.0	27.4
398.0	9.845	35.205	27.153	51.9	2.6	18.7	18.9	7.9
399.0	9.840	35.202	27.156	51.7	6.9	20.5	21.7	18.7
400.0	9.831	35.207	27.162	51.5	2.1	20.3	20.4	6.0
401.0	9.825	35.206	27.162	51.9	2.2	21.7	21.3	5.3
402.0	9.816	35.204	27.161	51.9	2.9	21.5	21.7	7.6
403.0	9.807	35.194	27.155	51.6	4.3	22.4	22.3	10.9
404.0	9.792	35.193	27.157	51.5	2.5	20.9	21.0	7.0
405.0	9.780	35.195	27.161	52.0	3.2	23.3	24.0	7.7
406.0	9.770	35.195	27.162	51.6	2.3	22.9	23.1	6.9
407.0	9.750	35.177	27.152	51.6	2.5	23.3	24.0	5.9
408.0	9.731	35.175	27.154	51.6	2.2	24.3	24.9	5.0
409.0	9.679	35.201	27.183	51.3	4.5	22.9	23.4	11.1
410.0	9.658	35.183	27.172	51.4	3.7	21.2	21.5	9.9
411.0	9.639	35.186	27.178	52.6	5.2	23.9	24.4	12.2
412.0	9.627	35.183	27.178	51.9	2.7	22.3	22.5	6.9
413.0	9.621	35.179	27.175	52.0	2.2	22.6	22.7	5.6
414.0	9.615	35.167	27.167	52.4	-1.5	21.2	21.2	353.3
415.0	9.599	35.156	27.162	52.5	1.4	21.9	21.9	3.7
416.0	9.553	35.150	27.164	52.3	3.0	23.6	23.6	3.1
417.0	9.505	35.158	27.178	51.3	3.3	24.4	24.7	3.9
418.0	9.459	35.139	27.210	52.5	1.1	24.3	24.3	2.6
419.0	9.425	35.160	27.193	51.3	-1.0	23.6	23.6	359.9
420.0	9.368	35.167	27.208	51.7	-1.1	23.3	23.3	359.7

Station: 235
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.98 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
421.0	9.326	35.168	27.231	51.4	1.6	26.4	26.5	3.4
422.0	9.277	35.192	27.242	52.4	-1.5	22.9	22.9	358.6
423.0	9.264	35.166	27.224	51.8	1.8	23.4	23.5	4.4
424.0	9.252	35.159	27.221	52.2	.5	26.5	26.5	1.1
425.0	9.239	35.158	27.223	51.8	1.3	23.5	23.5	3.3
426.0	9.232	35.148	27.216	52.2	.6	24.5	24.5	1.5
427.0	9.225	35.149	27.218	52.6	-1.1	25.5	25.5	359.9
428.0	9.218	35.144	27.215	52.1	1.3	27.9	28.0	2.7
429.0	9.207	35.127	27.203	52.6	.3	25.4	25.4	7.2
430.0	9.187	35.126	27.206	52.5	1.5	27.6	27.6	3.2
431.0	9.169	35.122	27.204	52.9	1.0	26.8	26.9	2.2
432.0	9.156	35.123	27.208	52.4	-1.2	26.2	26.3	357.9
433.0	9.141	35.123	27.211	52.6	-1.3	26.2	26.2	357.2
434.0	9.118	35.121	27.214	52.1	.0	26.3	26.3	360.0
435.0	9.105	35.114	27.210	52.0	.7	28.7	28.7	1.4
436.0	9.090	35.115	27.213	52.1	.7	26.3	26.3	1.5
437.0	9.073	35.120	27.219	52.0	-1.0	25.7	25.8	357.8
438.0	9.064	35.108	27.212	52.3	-1.7	25.0	25.1	356.2
439.0	9.060	35.101	27.207	51.9	-1.1	29.0	29.1	357.8
440.0	9.041	35.109	27.216	51.9	-3.2	31.1	32.1	345.2
441.0	9.026	35.103	27.214	50.6	-1.3	25.4	25.4	359.3
442.0	9.020	35.090	27.205	52.0	-1.6	25.0	25.1	356.3
443.0	8.987	35.102	27.219	51.7	-2.5	24.5	24.6	354.2
444.0	8.965	35.110	27.230	51.3	1.5	24.2	24.2	3.4
445.0	8.944	35.116	27.237	50.8	1.6	24.0	24.1	3.7
446.0	8.929	35.108	27.234	50.8	-2.1	22.8	22.9	354.8
447.0	8.915	35.102	27.231	51.1	-4.6	23.9	24.4	349.2
448.0	8.900	35.099	27.231	50.9	-2.1	25.1	25.2	355.3
449.0	8.882	35.087	27.224	51.0	-4.9	21.9	22.4	347.4
450.0	8.863	35.091	27.231	51.2	3.5	22.9	23.2	358.6
451.0	8.846	35.093	27.235	51.0	-2.5	21.2	21.3	353.2
452.0	8.827	35.082	27.230	51.3	-1.0	20.2	20.2	359.9
453.0	8.789	35.090	27.242	51.8	-4.2	20.5	20.9	348.4
454.0	8.762	35.106	27.259	52.1	3.2	20.7	20.9	358.7
455.0	8.753	35.096	27.252	52.0	-1.1	19.1	19.2	356.7
456.0	8.717	35.086	27.251	51.8	-2.8	21.1	21.3	352.5
457.0	8.714	35.056	27.228	52.3	-4.9	18.8	19.4	345.4
458.0	8.681	35.067	27.241	51.5	-6.1	18.4	19.4	341.7
459.0	8.662	35.073	27.249	52.0	-9.2	20.6	22.5	336.0
460.0	8.650	35.072	27.250	52.0	-8.2	17.7	19.5	335.3
461.0	8.640	35.071	27.251	51.4	-9.0	19.2	21.1	334.9
462.0	8.629	35.066	27.248	51.7	-10.2	17.8	20.5	330.1
463.0	8.622	35.059	27.245	51.6	-10.8	18.9	21.7	330.3
464.0	8.617	35.058	27.244	52.2	-11.1	18.4	21.5	328.9
465.0	8.613	35.058	27.245	51.7	-11.9	14.6	18.8	320.8
466.0	8.607	35.061	27.248	51.5	-13.1	19.0	23.1	325.6
467.0	8.600	35.056	27.245	51.0	-13.5	18.5	22.9	324.0
468.0	8.589	35.060	27.250	51.5	-11.2	21.1	23.9	332.1
469.0	8.583	35.056	27.248	51.5	-11.2	21.7	24.4	332.7
470.0	8.576	35.045	27.240	51.7	-11.0	22.3	24.8	333.7
471.0	8.558	35.049	27.247	52.0	-14.5	20.0	24.7	324.1
472.0	8.552	35.047	27.246	52.1	-16.1	21.7	27.0	323.3
473.0	8.548	35.051	27.250	51.5	-16.6	21.7	27.3	322.5
474.0	8.549	35.049	27.248	52.1	-20.2	20.8	29.0	315.8
475.0	8.544	35.038	27.240	51.9	-15.1	22.7	27.3	326.3
476.0	8.541	35.025	27.230	51.6	-16.8	21.6	27.4	322.2
477.0	8.508	35.028	27.238	51.5	-12.7	24.8	27.9	332.9
478.0	8.458	35.050	27.263	51.8	-14.6	24.6	28.6	329.2
479.0	8.438	35.038	27.256	52.1	-12.0	26.8	29.3	335.9
480.0	8.423	35.003	27.232	52.0	-16.4	26.6	31.3	328.4

Station: 235
 Cruise : 91-G-3
 Ship : GYRE
 Position: Latitude 27 17.15 N
 Longitude 93 55.93 W
 Time: Year Day Hour Minute
 1981 66 22 34

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
481.0	8.379	35.011	27.245	51.8	-12.6	27.1	29.9	335.1
482.0	8.345	35.026	27.243	52.3	-10.8	26.6	28.7	337.9
483.0	8.321	35.038	27.274	52.0	-14.6	27.4	31.1	331.9
484.0	8.310	35.031	27.271	51.4	-16.0	28.5	32.7	330.8
485.0	8.300	35.025	27.267	50.9	-13.0	29.0	31.8	335.9
486.0	8.293	35.020	27.265	50.3	-14.8	27.4	31.2	331.6
487.0	8.281	35.023	27.269	52.4	-9.9	27.6	29.3	340.2
488.0	8.277	35.021	27.268	52.4	-13.9	28.1	31.4	333.7
489.0	8.270	35.015	27.265	51.7	-14.8	28.0	31.7	332.1
490.0	8.263	35.000	27.254	52.4	-8.9	26.7	28.1	341.5
491.0	8.248	35.002	27.258	52.0	-14.6	27.8	31.4	332.4
492.0	8.227	34.994	27.255	52.6	-13.7	27.1	30.4	333.1
493.0	8.175	35.012	27.276	52.5	-8.8	25.8	27.2	341.1
494.0	8.160	35.013	27.279	52.7	-13.5	27.4	30.5	333.8
495.0	8.143	35.013	27.282	52.5	-12.0	29.6	32.0	337.9
496.0	8.132	35.012	27.283	52.3	-13.4	30.2	33.0	336.1
497.0	8.127	35.007	27.280	52.7	-10.2	29.1	30.8	340.8
498.0	8.118	35.007	27.282	52.9	-10.6	28.4	30.3	339.5
499.0	8.109	35.001	27.278	53.1	-6.3	25.9	26.6	346.4
500.0	8.094	35.001	27.280	53.5	-7.7	25.8	26.9	343.3
501.0	8.078	35.000	27.282	52.7	-11.8	29.2	31.5	338.0
502.0	8.070	34.992	27.277	53.0	-11.8	30.9	33.1	339.1
503.0	8.049	35.000	27.286	52.6	-11.0	30.8	32.7	340.3
504.0	8.041	35.001	27.288	52.8	-11.3	30.1	32.2	339.4
505.0	8.039	34.997	27.286	52.6	-10.9	27.8	29.8	338.5
506.0	8.032	34.991	27.282	53.0	-7.7	27.4	28.4	344.4
507.0	8.028	34.988	27.280	53.4	-10.7	29.5	31.4	340.1
508.0	8.019	34.992	27.285	53.2	-7.4	26.9	27.9	344.6
509.0	8.014	34.988	27.282	52.9	-9.4	30.6	32.1	342.9
510.0	8.007	34.983	27.279	53.2	-9.0	28.3	29.7	342.3
511.0	7.998	34.978	27.273	52.9	-10.2	30.1	31.7	341.2
512.0	7.972	34.968	27.273	53.5	-8.7	29.6	30.8	343.7
513.0	7.936	34.980	27.288	52.8	-10.5	33.0	34.6	342.4
514.0	7.927	34.979	27.288	52.8	-12.0	33.0	35.1	340.1
515.0	7.918	34.980	27.291	53.0	-7.1	27.8	28.7	345.7
516.0	7.908	34.973	27.284	53.0	-7.2	27.9	28.9	345.5
517.0	7.898	34.993	27.304	53.0	-7.4	28.1	29.0	345.3
518.0	7.887	34.987	27.301	53.0	-9.0	33.6	34.8	345.0

Station: 249
 Cruise: 81-G-3
 Ship: GYRE
 Position: Latitude 27 51.86 N
 Longitude 94 3.86 W
 Time: Year 1981 Day 67 Hour 5 Minute 0

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	20.649	36.363	25.644	50.0	39.5	-24.8	46.6	122.2
2.0	20.650	36.363	25.645	55.3	67.3	-22.5	71.0	108.5
3.0	20.651	36.361	25.643	57.0	39.7	-26.0	47.4	123.2
4.0	20.649	36.361	25.643	57.4	45.4	-29.3	54.0	122.8
5.0	20.650	36.360	25.643	57.1	59.6	-22.9	63.9	111.0
6.0	20.649	36.362	25.644	57.5	48.2	-28.4	55.9	120.6
7.0	20.651	36.360	25.642	57.1	62.2	-19.0	65.1	107.0
8.0	20.650	36.360	25.642	57.9	55.3	-33.2	64.5	121.0
9.0	20.650	36.361	25.643	56.9	65.2	-21.8	68.7	108.5
10.0	20.651	36.361	25.643	57.1	64.3	-24.6	68.9	111.0
11.0	20.652	36.362	25.643	56.4	65.5	-26.1	70.5	111.8
12.0	20.652	36.363	25.645	56.4	67.5	-31.4	74.4	114.9
13.0	20.653	36.361	25.643	56.3	66.8	-30.2	73.4	114.3
14.0	20.653	36.361	25.642	56.3	69.2	-28.9	75.0	112.7
15.0	20.652	36.361	25.643	56.8	69.8	-30.0	76.0	113.2
16.0	20.654	36.362	25.643	55.9	76.1	-28.4	81.3	110.5
17.0	20.655	36.361	25.642	55.8	73.9	-29.1	79.4	111.5
18.0	20.655	36.361	25.642	56.1	79.1	-27.9	83.9	109.4
19.0	20.654	36.363	25.644	55.9	73.7	-31.3	80.0	113.0
20.0	20.656	36.361	25.641	56.1	75.4	-30.2	81.2	111.9
21.0	20.656	36.361	25.641	56.2	76.1	-29.6	81.7	111.9
22.0	20.657	36.361	25.641	56.0	74.4	-28.7	79.8	111.1
23.0	20.657	36.363	25.642	55.8	72.7	-27.7	77.9	110.9
24.0	20.657	36.356	25.637	55.7	71.1	-26.8	75.9	110.6
25.0	20.657	36.344	25.628	55.7	71.1	-29.3	76.5	112.4
26.0	20.614	36.373	25.642	56.3	72.6	-27.3	77.5	110.6
27.0	20.612	36.368	25.659	55.6	68.7	-29.5	74.8	118.3
28.0	20.605	36.358	25.653	55.2	67.0	-27.4	72.4	112.3
29.0	20.591	36.349	25.650	54.1	67.6	-30.1	74.0	114.0
30.0	20.562	36.361	25.667	55.5	68.3	-29.4	74.4	113.3
31.0	20.543	36.375	25.682	54.7	67.2	-27.6	72.7	112.9
32.0	20.539	36.373	25.682	54.6	68.6	-28.7	74.3	112.7
33.0	20.528	36.375	25.687	54.4	69.3	-34.8	77.6	116.7
34.0	20.526	36.373	25.686	53.3	59.5	-33.2	68.2	119.2
35.0	20.522	36.366	25.681	54.7	54.1	-37.8	66.0	125.0
36.0	20.496	36.374	25.694	54.9	49.3	-38.6	62.6	123.1
37.0	20.480	36.374	25.699	53.9	48.0	-37.5	60.9	128.0
38.0	20.472	36.370	25.698	53.3	44.1	-35.3	56.5	128.6
39.0	20.459	36.369	25.701	53.3	43.3	-33.4	54.7	127.6
40.0	20.446	36.368	25.703	53.0	42.6	-31.6	53.0	126.6
41.0	20.434	36.361	25.702	52.7	41.8	-29.8	51.3	125.5
42.0	20.421	36.320	25.674	52.5	41.0	-28.0	49.6	124.3
43.0	20.362	36.316	25.686	52.4	41.0	-27.5	49.4	123.9
44.0	20.246	36.391	25.775	53.4	41.1	-25.5	48.4	121.8
45.0	20.184	36.401	25.799	53.3	41.4	-25.7	48.7	121.8
46.0	20.173	36.380	25.786	53.3	42.3	-24.1	48.7	119.6
47.0	20.165	36.360	25.773	53.2	41.3	-21.3	46.5	117.3
48.0	20.158	36.304	25.732	53.6	43.8	-17.0	47.0	111.1
49.0	20.064	36.338	25.783	53.5	43.8	-15.3	46.4	109.2
50.0	20.013	36.351	25.806	53.2	43.9	-15.4	46.5	109.3
51.0	19.988	36.333	25.799	53.7	45.1	-14.2	47.3	107.5
52.0	19.939	36.337	25.815	53.2	47.1	-13.7	49.1	106.2
53.0	19.884	36.342	25.833	53.9	48.4	-14.4	50.5	106.5
54.0	19.841	36.343	25.845	54.6	48.3	-13.2	50.1	105.3
55.0	19.782	36.365	25.878	54.0	50.0	-14.0	51.9	105.7
56.0	19.782	36.336	25.856	53.8	50.3	-14.1	52.3	105.7
57.0	19.782	36.343	25.861	53.5	50.7	-14.2	52.6	105.6
58.0	19.782	36.358	25.873	53.2	51.0	-14.3	53.0	105.6
59.0	19.780	36.347	25.865	53.2	51.8	-12.8	53.4	103.9
60.0	19.754	36.344	25.869	53.9	54.5	-13.8	56.2	104.2

Station: 245
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 51.86 N
 Longitude 94 3.86 W
 Time: Year Day Hour Minute
 1981 67 5 0

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
61.0	19.731	36.329	25.864	53.8	58.4	-17.7	61.1	106.8
62.0	19.675	36.354	25.898	54.6	57.1	-15.2	61.2	105.0
63.0	19.645	36.359	25.909	54.5	57.7	-13.7	59.3	103.4
64.0	19.624	36.347	25.906	53.8	58.8	-15.2	60.7	104.5
65.0	19.591	36.325	25.898	54.0	58.1	-16.3	60.3	105.7
66.0	19.560	36.304	25.890	54.3	57.0	-16.6	59.4	106.2
67.0	19.456	36.362	25.961	54.0	56.5	-16.4	58.9	106.2
68.0	19.416	36.329	25.946	52.9	56.8	-17.3	59.4	106.9
69.0	19.376	36.283	25.922	51.8	57.2	-18.1	60.0	107.6
70.0	19.293	36.305	25.960	53.1	50.5	-23.6	55.7	115.1
71.0	19.232	36.313	25.982	52.9	50.7	-21.7	55.1	113.2
72.0	19.182	36.312	25.994	52.6	48.1	-21.8	52.8	114.4
73.0	19.139	36.280	25.981	52.2	47.6	-22.5	52.7	115.3
74.0	19.082	36.270	25.988	52.5	46.2	-23.2	52.0	117.4
75.0	18.958	36.342	26.075	51.9	44.4	-22.4	49.7	116.8
76.0	18.903	36.358	26.100	52.3	44.9	-20.0	49.2	114.0
77.0	18.890	36.371	26.115	51.8	44.4	-15.8	47.1	109.6
78.0	18.874	36.384	26.128	52.1	42.6	-15.4	45.3	109.9
79.0	18.874	36.363	26.112	52.3	44.1	-10.7	45.4	103.6
80.0	18.847	36.324	26.089	50.9	41.7	-15.1	44.3	110.0
81.0	18.769	36.258	26.059	50.0	40.9	-13.9	43.2	108.7
82.0	18.634	36.201	26.049	47.7	35.0	-13.8	37.6	111.5
83.0	18.450	36.207	26.101	46.7	36.6	-6.8	37.3	100.5
84.0	18.265	36.233	26.167	45.7	38.3	0.3	38.3	89.6
85.0	18.132	36.247	26.211	44.9	37.4	2.2	37.4	89.7
86.0	17.999	36.332	26.309	44.0	36.6	2.2	36.6	89.7
87.0	17.922	36.380	26.365	42.7	34.7	1.8	34.7	87.0
88.0	17.903	36.354	26.350	42.7	33.5	1.8	33.6	86.9
89.0	17.880	36.346	26.349	42.6	32.0	3.8	32.3	83.2
90.0	17.862	36.340	26.349	42.1	34.3	4.3	34.6	82.8
91.0	17.838	36.345	26.359	41.4	34.3	4.7	34.6	82.1
92.0	17.828	36.342	26.360	42.0	31.4	6.2	32.0	78.8
93.0	17.823	36.339	26.358	41.9	30.9	5.8	31.4	79.3
94.0	17.802	36.347	26.370	41.9	32.2	6.2	32.8	79.1
95.0	17.770	36.328	26.363	42.1	31.3	4.6	31.6	81.7
96.0	17.741	36.301	26.350	41.9	29.4	4.5	29.7	81.3
97.0	17.702	36.305	26.362	40.3	30.7	3.9	31.0	82.8
98.0	17.662	36.312	26.377	39.2	31.1	2.4	31.2	85.5
99.0	17.619	36.327	26.400	38.7	28.9	3.5	29.1	83.0
100.0	17.600	36.324	26.401	37.9	25.5	4.1	25.9	80.9
101.0	17.583	36.322	26.404	37.5	26.0	4.1	26.3	81.1
102.0	17.566	36.330	26.415	37.1	26.5	4.0	26.8	81.4
103.0	17.555	36.331	26.418	38.1	26.5	6.1	27.2	77.1
104.0	17.547	36.324	26.414	37.8	28.4	5.6	28.9	78.8
105.0	17.540	36.316	26.411	37.6	28.9	6.0	29.5	78.3
106.0	17.524	36.282	26.388	38.1	26.3	8.8	27.7	71.6
107.0	17.488	36.229	26.356	37.9	25.7	10.1	27.6	68.5
108.0	17.367	36.281	26.425	37.9	24.3	10.6	26.5	66.4
109.0	17.311	36.313	26.464	37.7	29.9	8.0	30.9	75.1
110.0	17.303	36.330	26.479	36.7	30.7	11.4	32.7	69.6
111.0	17.288	36.322	26.476	37.0	29.2	9.2	30.6	72.6

Station: 256
 Cruise : 51-G-3
 Ship : GYRE
 Position: Latitude 27 58.51 N
 Longitude 94 5.16 W
 Time: Year Day Hour Minute
 1981 67 6 40

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	19.429	36.361	25.967	54.4	63.6	18.6	66.3	73.7
3.0	19.451	36.328	25.936	54.2	41.3	16.8	44.6	67.9
4.0	19.406	36.346	25.962	53.6	45.6	19.1	49.9	67.3
5.0	19.397	36.317	25.942	54.0	38.2	11.5	39.9	73.3
6.0	19.338	36.354	25.985	53.5	37.5	5.6	38.0	91.6
7.0	19.299	36.381	26.016	53.5	36.8	7.2	37.5	79.9
8.0	19.269	36.385	26.027	53.0	38.3	6.2	38.3	90.3
9.0	19.252	36.357	26.011	53.9	40.9	5.6	41.3	92.1
10.0	19.187	36.325	26.003	53.2	37.9	3.4	38.1	94.9
11.0	19.046	36.361	26.066	53.7	37.1	3.8	37.2	95.7
12.0	18.929	36.376	26.108	53.0	35.7	3.8	35.9	93.9
13.0	18.911	36.334	26.080	51.6	36.5	-2.1	36.6	93.4
14.0	18.864	36.363	26.115	51.7	44.6	5.1	44.9	93.5
15.0	18.855	36.348	26.106	51.9	39.7	3.3	39.7	99.6
16.0	18.839	36.336	26.100	52.1	38.2	2.1	38.3	99.9
17.0	18.820	36.315	26.090	52.3	34.0	-1.6	34.0	91.0
18.0	18.799	36.245	26.041	52.3	30.5	-6.5	31.2	102.1
19.0	18.668	36.276	26.098	52.3	29.1	-3.2	29.2	96.2
20.0	18.554	36.320	26.161	53.5	30.7	-4.1	30.9	97.7
21.0	18.508	36.322	26.174	53.8	32.9	-1.1	32.9	91.8
22.0	18.497	36.303	26.162	52.7	32.5	-4.3	32.7	97.4
23.0	18.472	36.273	26.146	51.4	32.4	-5.3	32.9	100.1
24.0	18.435	36.210	26.107	51.3	32.3	-6.3	32.9	101.0
25.0	18.328	36.180	26.111	52.3	33.3	-8.4	34.4	104.2
26.0	18.132	36.269	26.228	52.9	31.7	-11.6	33.7	109.6
27.0	18.083	36.278	26.247	51.7	28.9	-12.2	31.4	112.9
28.0	18.030	36.309	26.284	51.4	31.3	-10.5	33.3	108.6
29.0	18.017	36.305	26.284	50.6	30.5	-11.3	32.5	110.3
30.0	18.001	36.297	26.282	50.7	29.4	-10.8	31.3	110.2
31.0	17.974	36.299	26.290	50.5	29.3	-13.5	32.3	114.7
32.0	17.955	36.281	26.281	51.3	28.4	-12.8	30.9	113.3
33.0	17.921	36.278	26.288	50.9	27.8	-10.7	29.8	111.1
34.0	17.895	36.298	26.309	50.9	30.5	-7.7	31.4	104.2
35.0	17.845	36.341	26.354	50.8	28.0	-12.2	30.6	113.5
36.0	17.855	36.335	26.347	49.5	30.8	-9.1	32.1	106.5
37.0	17.865	36.338	26.347	49.0	32.2	-7.5	33.1	103.2
38.0	17.874	36.333	26.341	48.5	33.6	-5.9	34.1	100.0
39.0	17.879	36.299	26.313	48.9	35.2	-6.6	35.8	100.6
40.0	17.838	36.296	26.322	47.2	31.6	-6.2	32.8	101.2
41.0	17.766	36.325	26.362	46.5	33.7	-2.8	33.8	94.7
42.0	17.727	36.315	26.364	45.0	33.0	-4.4	33.9	97.6
43.0	17.683	36.309	26.370	44.7	34.0	-3.8	34.2	96.3
44.0	17.639	36.317	26.387	42.6	35.3	-1.6	35.3	91.0
45.0	17.597	36.333	26.409	41.9	36.8	1.4	36.8	89.4
46.0	17.583	36.338	26.416	41.2	33.9	-1.1	33.9	91.9
47.0	17.567	36.343	26.424	41.3	31.0	-2.3	31.1	94.3
48.0	17.557	36.329	26.416	40.9	28.6	-7.3	29.6	104.3
49.0	17.541	36.317	26.410	40.8	30.1	-4.6	30.4	98.6
50.0	17.514	36.320	26.420	40.9	34.5	-1.3	34.5	90.4
51.0	17.492	36.330	26.433	40.1	35.5	-1.5	35.6	92.5
52.0	17.481	36.330	26.435	39.8	35.8	-1.3	35.6	92.1
53.0	17.473	36.313	26.424	39.2	34.6	-1.9	34.6	91.5
54.0	17.461	36.296	26.415	39.0	33.2	-4.7	33.5	98.0
55.0	17.426	36.305	26.430	37.5	33.5	1.2	33.5	97.9
56.0	17.407	36.290	26.423	37.2	33.3	-1.3	33.4	92.3
57.0	17.361	36.308	26.448	36.4	32.7	-1.1	32.8	92.0
58.0	17.326	36.333	26.476	35.7	28.8	-4.1	29.1	98.1
59.0	17.316	36.323	26.474	34.9	28.5	-5.3	29.0	100.6
60.0	17.257	36.355	26.509	35.3	23.5	-9.5	25.4	112.1
61.0	17.247	36.342	26.501	35.3	23.2	-7.4	25.3	107.1

Station: 255
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 27 58.51 N
 Longitude 94 5.16 W
 Time: Year Day Hour Minute
 1981 67 6 40

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	17.244	36.336	26.498	34.5	26.9	-5.3	27.4	101.0
63.0	17.243	36.343	26.503	34.0	29.4	-4.1	29.7	97.9
64.0	17.239	36.340	26.502	34.7	25.7	-5.4	26.3	101.8
65.0	17.236	36.312	26.481	34.1	26.9	-3.3	27.1	96.9
66.0	17.217	36.320	26.492	34.2	29.0	-4.1	29.3	98.0
67.0	17.139	36.318	26.509	33.5	32.2	.2	32.2	89.4
68.0	17.002	36.311	26.537	31.2	32.1	2.3	32.2	85.9
69.0	16.631	36.305	26.620	30.9	31.6	3.4	31.8	83.8
70.0	16.319	36.298	26.688	31.9	27.7	2.7	27.9	84.4
71.0	16.168	36.292	26.719	32.2	27.6	4.6	28.0	80.5
72.0	16.140	36.268	26.707	32.0	27.6	5.6	28.2	78.6
73.0	16.103	36.343	26.773	32.0	21.9	5.3	22.5	76.3
74.0	16.088	36.272	26.723	32.1	26.9	9.7	28.6	70.2

Station: 26S
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 28 4.54 N
 Longitude 94 7.61 W
 Time: Year 1981 Day 67 Hour 8 Minute 35

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	19.401	36.358	25.973	52.9	-19.7	12.7	23.4	302.9
2.0	19.401	36.358	25.973	52.5	-5.4	15.1	16.0	340.5
3.0	19.404	36.357	25.971	52.4	4.1	18.1	18.5	12.7
4.0	19.404	36.358	25.971	52.5	-1.5	15.5	15.6	354.5
5.0	19.404	36.357	25.971	52.3	-5.0	19.2	19.9	345.4
6.0	19.404	36.357	25.971	52.3	-11.0	19.4	22.3	330.4
7.0	19.404	36.356	25.970	52.3	-7.6	19.0	19.5	337.0
8.0	19.405	36.356	25.969	52.3	-6.1	16.0	17.1	339.2
9.0	19.404	36.356	25.970	52.6	-9.6	14.5	17.4	326.4
10.0	19.403	36.351	25.966	52.3	-13.2	13.0	18.5	314.4
11.0	19.396	36.341	25.961	52.6	-9.4	8.1	12.4	310.5
12.0	19.372	36.349	25.973	51.7	-12.3	5.7	13.5	294.3
13.0	19.347	36.339	25.972	51.8	-9.9	3.6	10.5	269.3
14.0	19.305	36.315	25.965	51.3	-14.1	1.3	14.2	275.5
15.0	19.218	36.341	26.007	51.1	-13.4	-2.0	13.5	261.7
16.0	19.157	36.374	26.048	51.9	-17.1	-1.6	17.2	264.6
17.0	19.136	36.378	26.056	50.7	-22.3	-4.6	22.7	258.4
18.0	19.121	36.372	26.056	51.0	-20.1	-3.3	20.4	259.3
19.0	19.115	36.372	26.057	51.3	-22.7	-6.3	23.5	254.4
20.0	19.101	36.374	26.063	51.3	-18.7	-4.7	19.2	256.0
21.0	19.089	36.357	26.053	51.3	-21.5	-3.9	21.9	259.6
22.0	19.080	36.354	26.053	50.8	-17.9	-7.4	19.4	247.6
23.0	19.064	36.355	26.057	50.9	-20.3	-7.2	21.5	250.3
24.0	19.052	36.341	26.050	50.6	-15.7	-6.9	17.2	246.2
25.0	19.041	36.336	26.049	51.2	-18.9	-9.6	21.2	243.1
26.0	18.991	36.342	26.066	50.3	-16.0	-12.1	20.1	232.3
27.0	18.917	36.346	26.088	51.1	-11.8	-11.0	16.1	226.3
28.0	18.818	36.341	26.110	51.7	-6.2	-5.9	8.6	226.6
29.0	18.712	36.362	26.153	51.5	-8.3	-9.4	12.5	221.6
30.0	18.339	36.391	26.269	52.2	-8.9	-15.3	17.7	210.2
31.0	18.283	36.413	26.301	52.1	-9.1	-19.0	21.0	205.6
32.0	18.283	36.405	26.294	53.1	-5.2	-16.9	17.7	197.0
33.0	18.291	36.392	26.282	52.9	-4.8	-20.5	21.1	193.2
34.0	18.274	36.393	26.287	52.7	-1.2	-20.6	20.7	183.2
35.0	18.261	36.369	26.272	52.6	-2.3	-21.2	21.4	186.3
36.0	18.216	36.362	26.278	52.6	-1.1	-19.3	19.3	180.3
37.0	18.163	36.379	26.305	52.5	-1.6	-20.1	20.2	184.6
38.0	18.101	36.414	26.346	52.8	-1.1	-18.5	18.6	183.4
39.0	18.073	36.409	26.350	51.9	-1.6	-18.1	18.2	184.9
40.0	18.051	36.403	26.350	50.8	-2.2	-17.3	17.5	187.1
41.0	18.035	36.390	26.345	50.8	-1.9	-18.3	18.3	182.9
42.0	18.002	36.393	26.355	50.3	-2.9	-15.4	15.7	190.5
43.0	17.996	36.367	26.337	50.2	-2.3	-13.8	14.0	189.5
44.0	17.973	36.369	26.344	49.7	-2.6	-15.4	15.6	189.4
45.0	17.964	36.379	26.354	49.4	-2.4	-14.7	14.9	189.1
46.0	17.942	36.397	26.373	49.0	-3.5	-13.6	14.1	194.4
47.0	17.928	36.402	26.380	48.0	-7.4	-11.1	13.3	213.9
48.0	17.905	36.385	26.373	47.3	-3.2	-10.6	13.4	218.0
49.0	17.881	36.374	26.370	47.5	-9.1	-10.1	13.6	222.0
50.0	17.847	36.359	26.367	46.8	-3.9	-12.3	13.4	197.1
51.0	17.782	36.376	26.396	46.4	-7.5	-10.0	12.5	216.6
52.0	17.769	36.360	26.388	46.1	-6.0	-10.3	12.0	210.3
53.0	17.723	36.327	26.373	44.7	-5.3	-10.9	12.2	205.9
54.0	17.603	36.334	26.409	43.2	-3.3	-8.3	11.3	224.9
55.0	17.442	36.354	26.463	39.4	-9.4	-9.1	13.1	226.0
56.0	17.249	36.365	26.519	33.7	-6.3	-7.3	10.0	218.9
57.0	17.209	36.377	26.537	32.0	-2.2	-6.7	7.0	197.9
58.0	17.195	36.389	26.550	31.5	-2.7	-5.5	6.1	205.3
59.0	17.191	36.386	26.548	31.2	-1.1	-4.3	4.4	194.7
60.0	17.187	36.381	26.546	31.0	-1.6	-4.6	4.9	199.4

Station: 26S
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 28 4.54 N
 Longitude 94 7.61 W
 Time: Year Day Hour Minute
 1981 67 8 35

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	17.187	36.367	26.535	31.2	-1.1	-1.1	1.6	223.6
62.0	17.187	36.382	26.546	30.8	-1.8	-2.1	2.2	201.6
63.0	17.186	36.351	26.523	31.4	-2.0	-10.3	10.5	191.2

Station: 27S
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 28 17.22 N
 Longitude 94 11.05 W
 Time: Year Day Hour Minute
 1981 67 11 11

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
2.0	19.112	36.354	26.044	50.1	-17.6	10.8	20.7	301.5
3.0	19.111	36.354	26.045	49.6	-22.3	7.2	23.4	287.9
4.0	19.108	36.354	26.046	50.9	-12.5	4.7	13.4	290.6
5.0	19.106	36.355	26.047	50.0	-21.2	10.9	23.9	297.2
6.0	19.109	36.358	26.048	50.0	-21.5	13.1	25.2	301.3
7.0	19.116	36.359	26.047	50.5	-20.3	12.2	23.7	300.9
8.0	19.123	36.359	26.045	51.0	-19.1	11.2	22.2	300.4
9.0	19.123	36.361	26.047	50.5	-14.4	13.5	19.7	313.0
10.0	19.126	36.361	26.046	50.1	-17.5	13.0	21.8	306.6
11.0	19.130	36.368	26.050	50.6	-14.1	11.9	18.5	310.3
12.0	19.136	36.372	26.052	50.6	-14.5	15.0	20.9	315.9
13.0	19.133	36.374	26.053	50.3	-17.7	17.6	25.0	314.7
14.0	19.138	36.374	26.053	50.7	-16.5	15.0	22.3	312.4
15.0	19.137	36.375	26.054	50.7	-16.5	14.4	21.9	311.1
16.0	19.133	36.377	26.056	50.6	-15.8	14.7	21.6	313.0
17.0	19.132	36.379	26.058	50.1	-15.6	12.1	19.3	307.7
18.0	19.129	36.379	26.059	49.8	-19.2	2.9	19.4	278.5
19.0	19.126	36.376	26.058	50.1	-21.2	3.1	21.4	278.4
20.0	19.118	36.379	26.062	50.0	-17.9	6.8	19.1	290.8
21.0	19.104	36.372	26.060	51.3	-19.5	9.1	21.5	295.0
22.0	19.055	36.379	26.078	52.6	-21.2	10.5	23.7	296.2
23.0	19.030	36.380	26.085	52.7	-20.9	14.9	25.6	305.5
24.0	19.015	36.378	26.088	51.9	-21.5	13.4	25.4	302.0
25.0	18.999	36.375	26.089	52.7	-18.6	14.9	23.8	308.6
26.0	18.988	36.371	26.089	52.9	-17.9	14.0	22.7	308.1
27.0	18.972	36.374	26.095	53.5	-17.9	14.0	22.7	309.0
28.0	18.962	36.376	26.099	53.1	-17.4	12.1	21.2	304.8
29.0	18.952	36.380	26.106	53.0	-18.8	10.6	21.6	299.4
30.0	18.941	36.356	26.090	54.0	-15.5	14.0	20.9	312.1
31.0	18.886	36.352	26.101	53.0	-11.5	19.0	22.2	328.9
32.0	18.831	36.340	26.105	52.0	-7.5	24.1	25.2	342.7
33.0	18.711	36.367	26.157	49.6	-13.6	15.7	20.7	319.0
34.0	18.493	36.385	26.226	48.2	-14.7	14.0	20.3	313.6
35.0	18.245	36.448	26.336	43.2	-11.3	12.0	16.5	316.9
36.0	18.182	36.446	26.351	40.6	-12.9	7.5	14.9	300.1
37.0	18.137	36.441	26.358	39.8	-15.7	8.5	17.9	298.3
38.0	18.124	36.423	26.348	37.1	-14.2	9.2	16.9	302.9
39.0	18.123	36.439	26.360	36.9	-11.8	5.3	13.0	294.3
40.0	18.124	36.465	26.380	36.5	-11.7	.1	11.7	270.4
41.0	18.124	36.437	26.359	36.0	-12.7	3.3	13.1	284.7
42.0	18.123	36.416	26.343	35.7	-11.8	.6	11.8	272.7
43.0	18.125	36.421	26.346	35.9	-12.6	1.1	12.7	275.0
44.0	18.123	36.432	26.355	35.5	-11.6	1.1	11.6	275.4
45.0	18.126	36.406	26.334	35.5	-12.8	2.6	13.0	281.4
46.0	18.122	36.389	26.323	35.1	-13.8	7.2	15.5	297.4

Station: 28S
 Cruise : 81-G-3
 Ship : GYRE
 Position: Latitude 28 28.65 N
 Longitude 94 14.32 W
 Time: Year Day Hour Minute
 1981 67 13 21

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	19.018	36.362	26.074	49.6	-16.2	23.1	28.2	325.0
4.0	19.016	36.365	26.077	52.7	-22.4	8.5	24.0	290.8
5.0	19.017	36.364	26.077	52.7	-17.1	7.6	18.7	294.0
6.0	19.017	36.362	26.075	52.4	-21.3	8.8	23.1	292.3
7.0	19.015	36.362	26.076	53.4	-10.8	1.3	10.9	276.8
8.0	19.013	36.365	26.079	52.9	-17.9	4.1	18.3	283.0
9.0	19.015	36.365	26.078	53.4	-11.8	-3.3	12.2	254.4
10.0	19.017	36.364	26.077	52.5	-13.3	1.4	13.4	276.1
11.0	19.017	36.365	26.077	52.9	-9.2	-1.2	9.3	262.7
12.0	19.017	36.365	26.077	52.9	-9.1	-4.1	10.0	245.8
13.0	19.019	36.363	26.075	53.9	-7.6	-4.2	8.7	241.2
14.0	19.020	36.365	26.076	52.9	-11.4	-5.2	12.6	245.6
15.0	19.020	36.366	26.077	53.2	-2.6	-5.5	6.1	205.1
16.0	19.022	36.365	26.076	53.5	1.0	-7.7	7.8	172.4
17.0	19.022	36.364	26.075	53.3	-.2	-8.7	8.7	181.0
18.0	19.018	36.365	26.077	53.3	.7	-7.0	7.0	174.2
19.0	19.007	36.363	26.078	53.3	.1	-10.2	10.2	179.5
20.0	18.985	36.346	26.071	53.8	-.1	-11.3	11.3	180.7
21.0	18.836	36.340	26.104	52.7	-1.8	-7.8	8.0	193.0
22.0	18.415	36.366	26.231	53.1	-2.7	-5.7	6.3	205.6
23.0	18.036	36.349	26.313	54.3	-2.8	-10.3	10.7	195.0
24.0	17.740	36.382	26.412	54.0	-1.8	-13.2	13.3	187.7
25.0	17.508	36.410	26.490	54.1	-5.8	-13.7	14.8	202.9
26.0	17.409	36.381	26.492	54.4	-10.6	-9.9	14.5	227.2
27.0	17.386	36.330	26.459	55.4	-11.2	-6.7	13.1	239.1
28.0	17.381	36.321	26.453	55.6	-8.6	-6.7	10.9	232.1
29.0	17.370	36.320	26.455	55.4	-9.4	-6.7	11.6	234.6
30.0	17.365	36.315	26.452	55.0	-7.9	-6.6	10.3	230.0
31.0	17.357	36.313	26.453	54.1	-7.4	-5.7	9.3	232.4
32.0	17.321	36.305	26.455	53.3	-7.8	-7.5	10.3	226.1
33.0	16.982	36.283	26.520	36.5	-9.8	-6.6	11.8	236.2
34.0	16.535	36.295	26.636	27.6	-9.5	-3.2	10.0	251.7
35.0	16.504	36.288	26.637	25.8	-6.9	-4.7	8.4	235.4
36.0	16.498	36.281	26.633	23.6	2.3	-4.5	5.0	153.4
37.0	16.499	36.275	26.629	23.2	-7.2	-6.6	9.8	227.7

CRUISE 81-NS-1 (NORTH SEAL, 13-17 Jul 81)

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East Flower Garden and Vicinity

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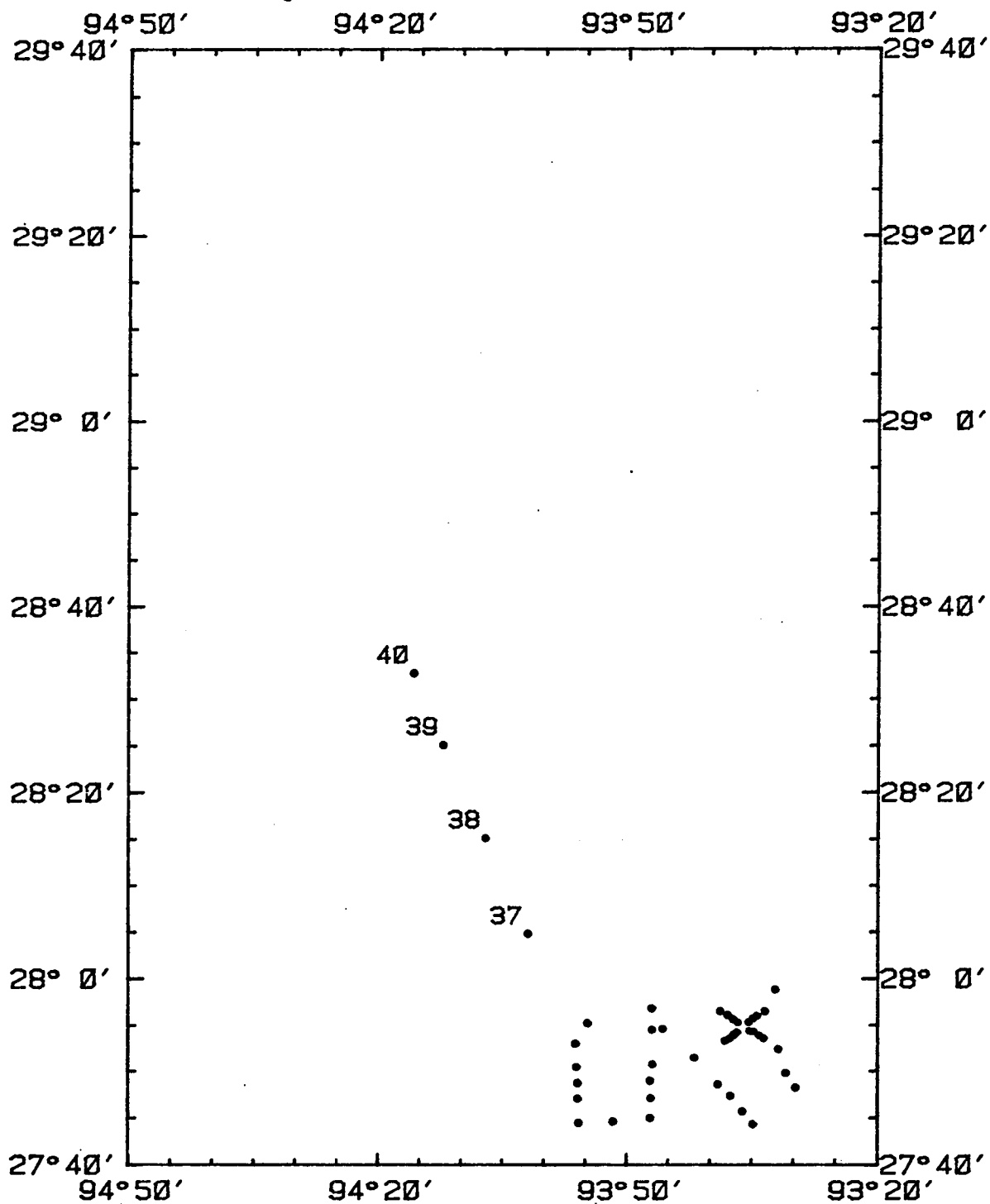
West Flower Garden and Vicinity

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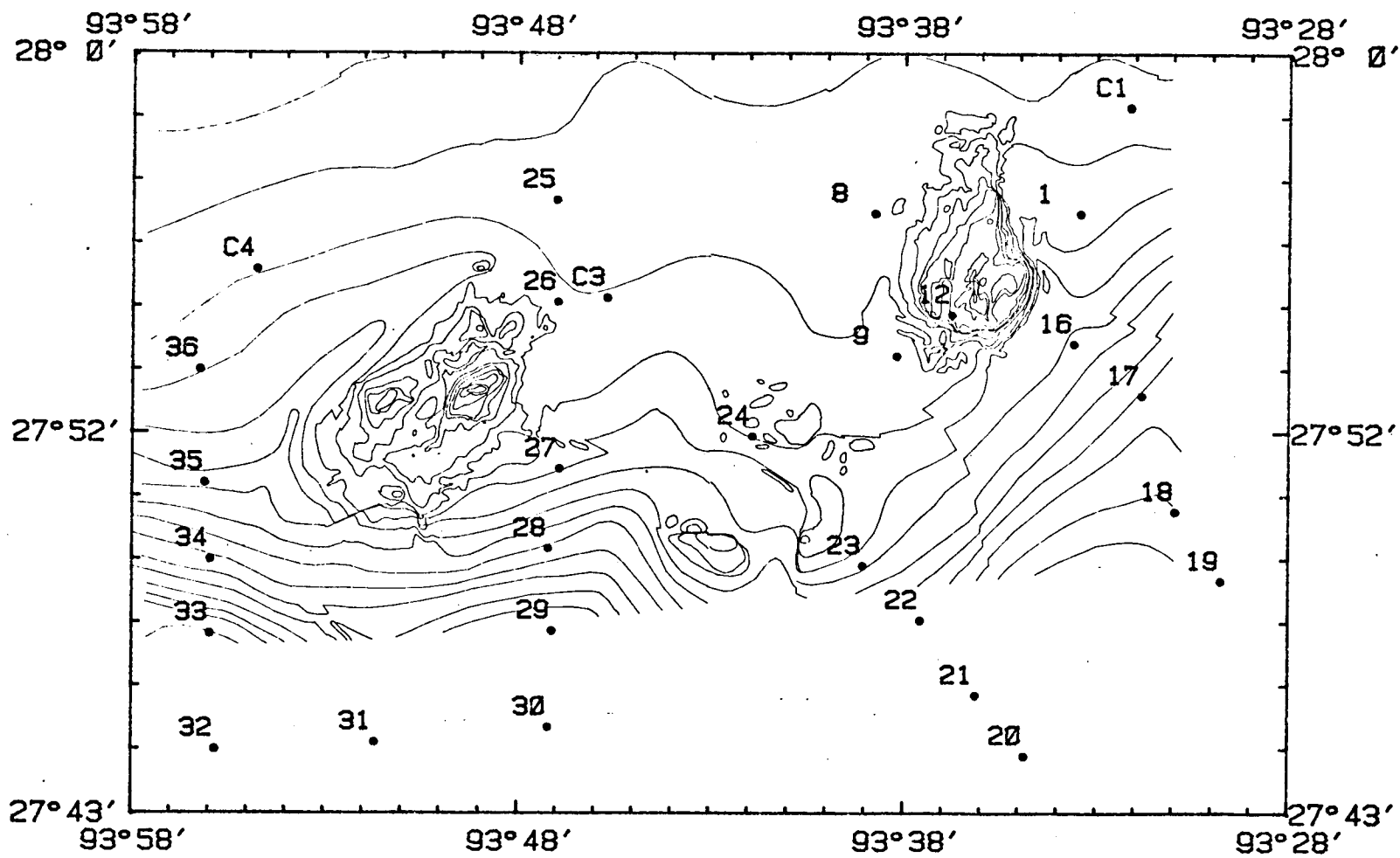
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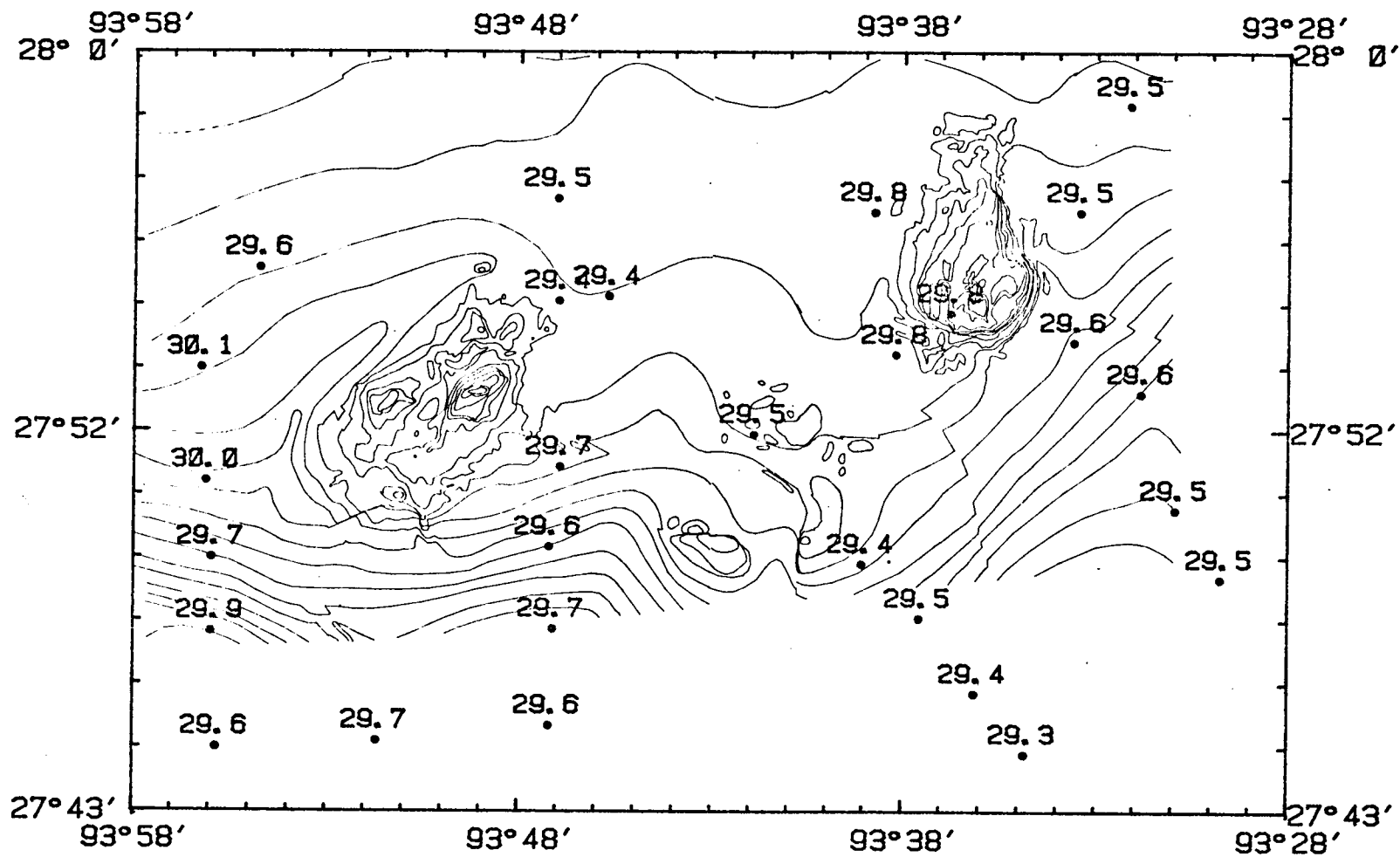
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Station Names
Shelf Region



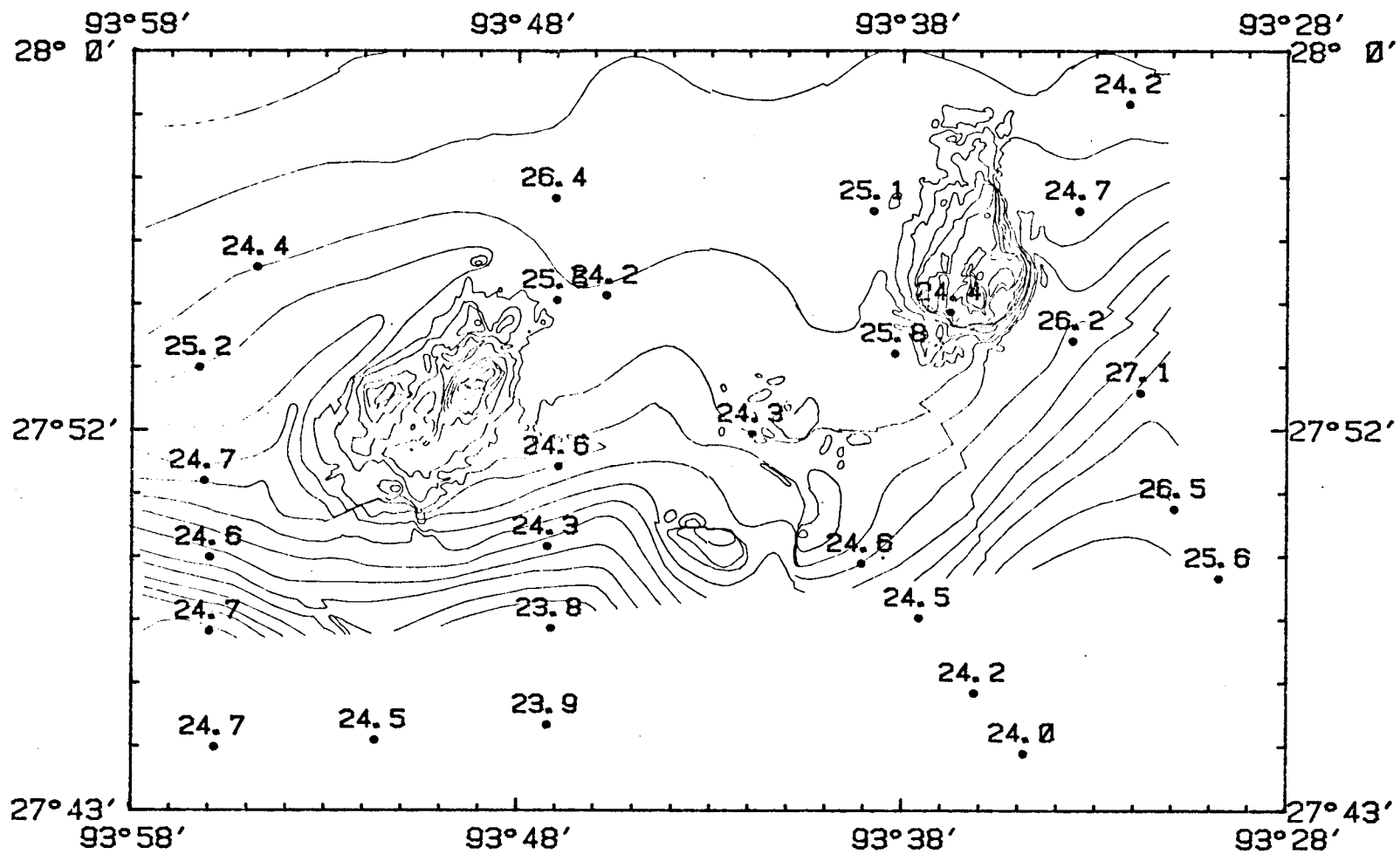
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Station Names
East and West Flower Garden Banks



Cruises: 81-NS-1
Temperature (deg. C) at 5 m Depth
East and West Flower Garden Banks



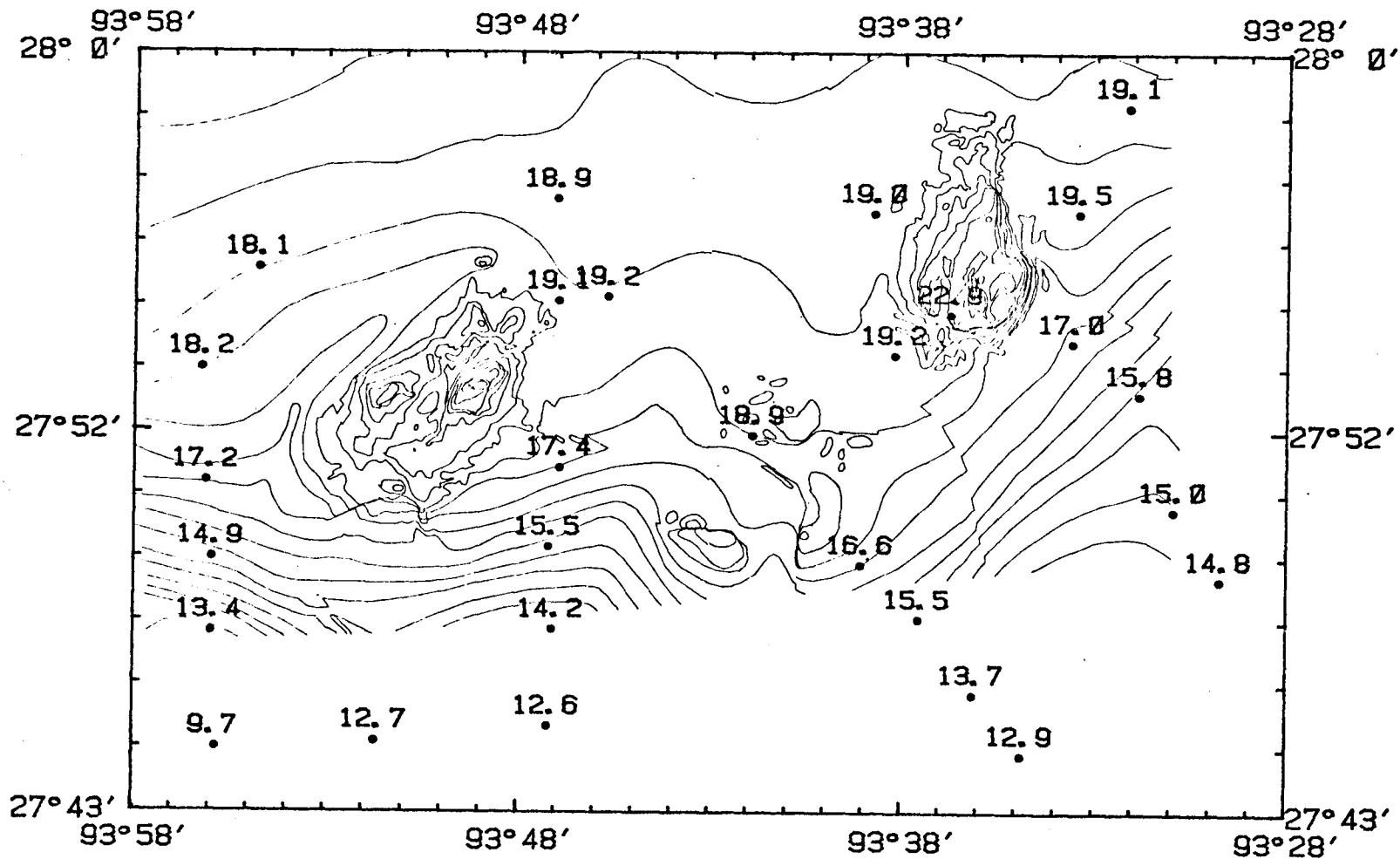
Cruise: 81-NS-1
Temperature (deg. C) at 45 m Depth
East and West Flower Garden Banks



Cruise: 81-NS-1

Temperature (deg. C) at 0 m From Bottom

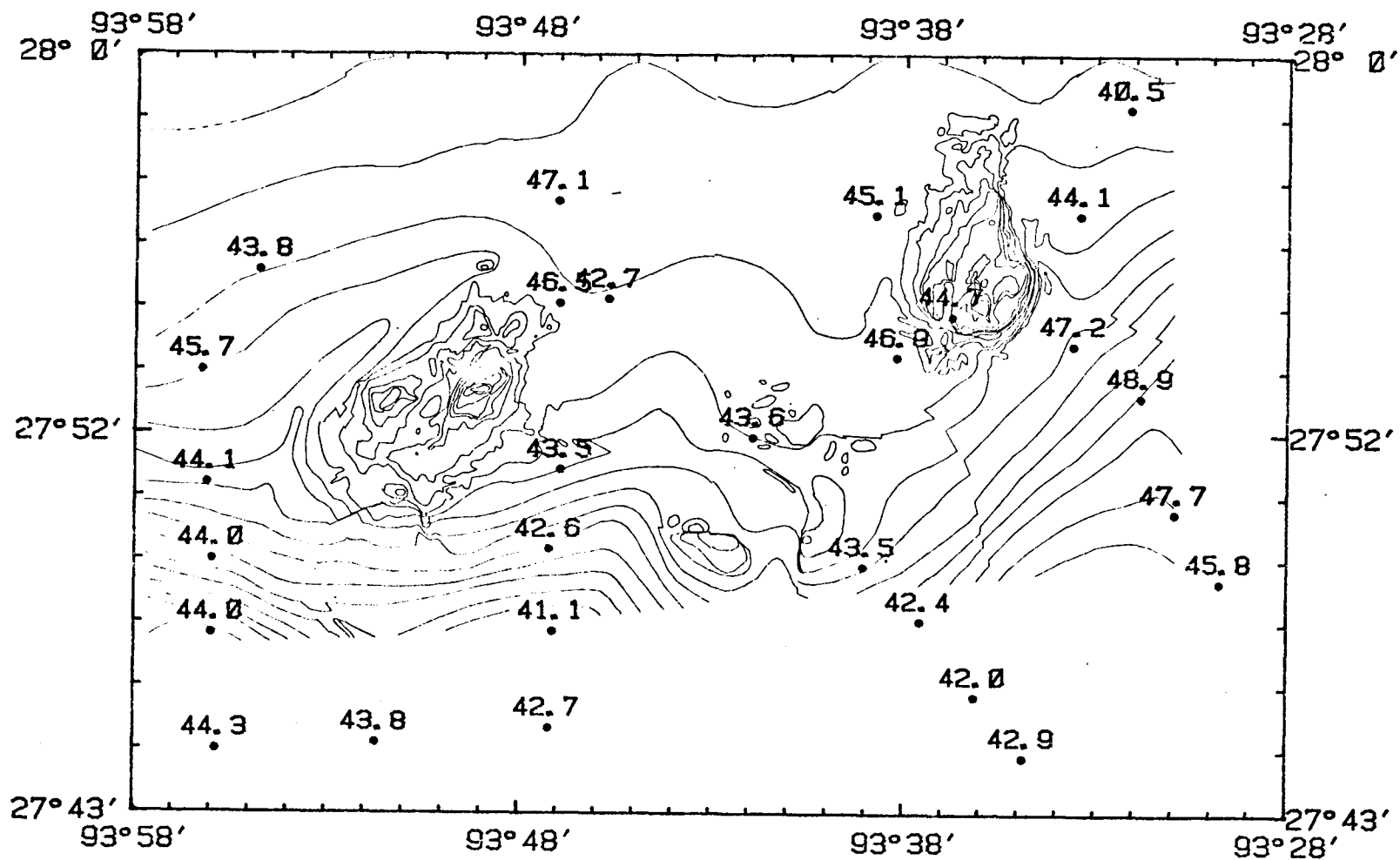
East and West Flower Garden Banks



Cruise: 81-NS-1

Depth (m) Where Temperature (deg C) = 25.0

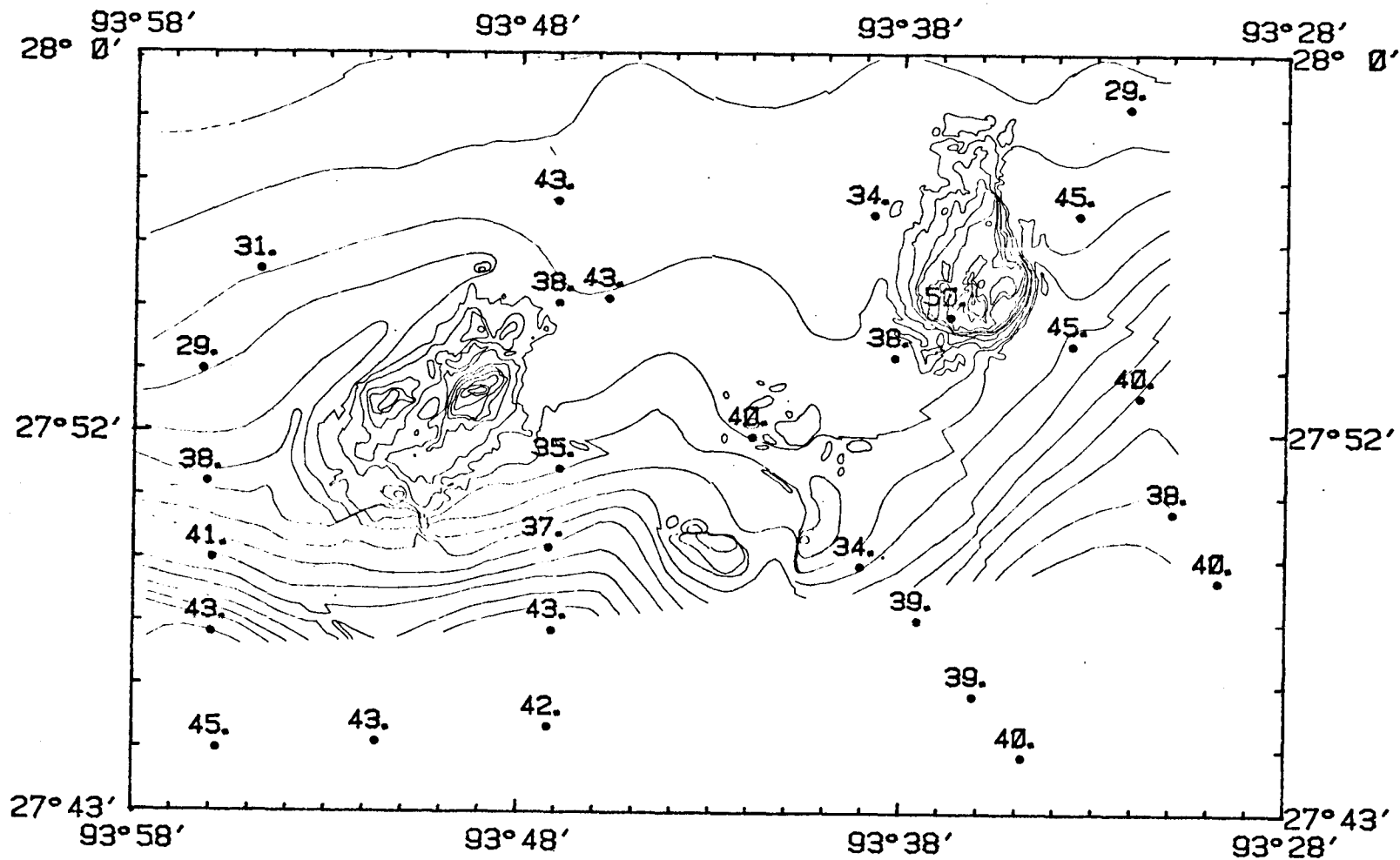
East and West Flower Garden Banks



Cruise: 81-NS-1

Transmissivity (%/m) at 1 m From Bottom

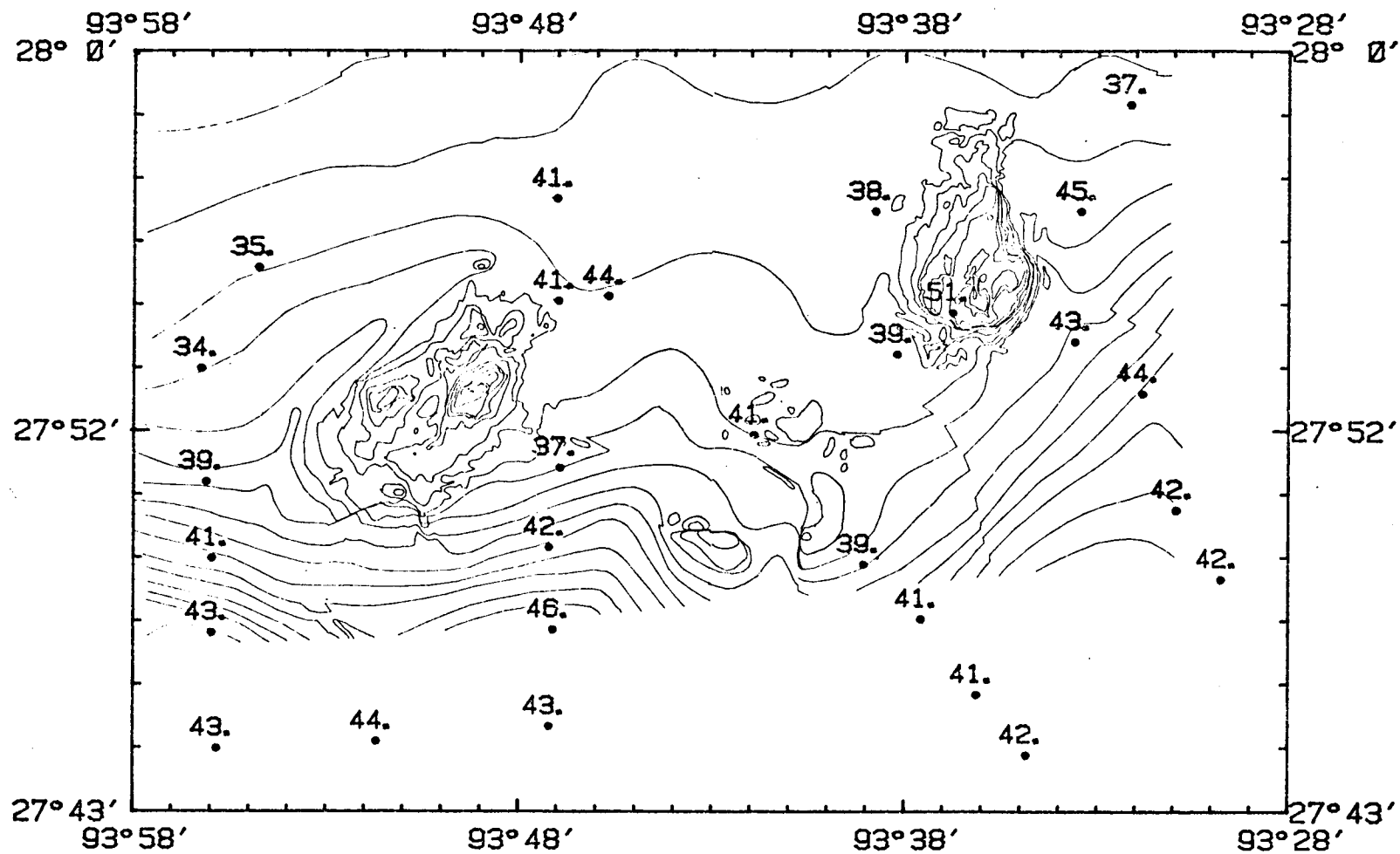
East and West Flower Garden Banks



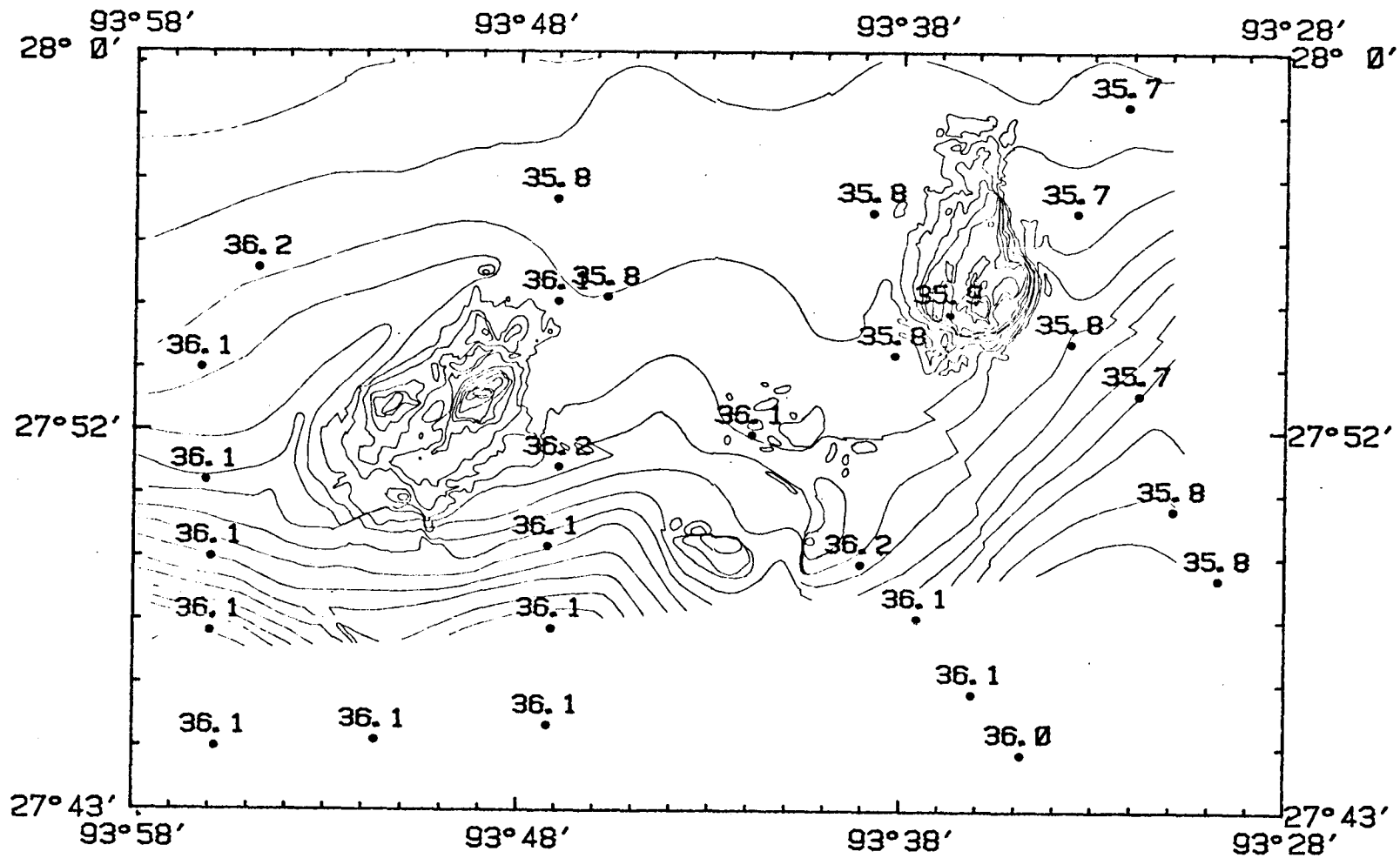
Cruise: 81-NS-1

Transmissivity (%/m) at 10 m From Bottom

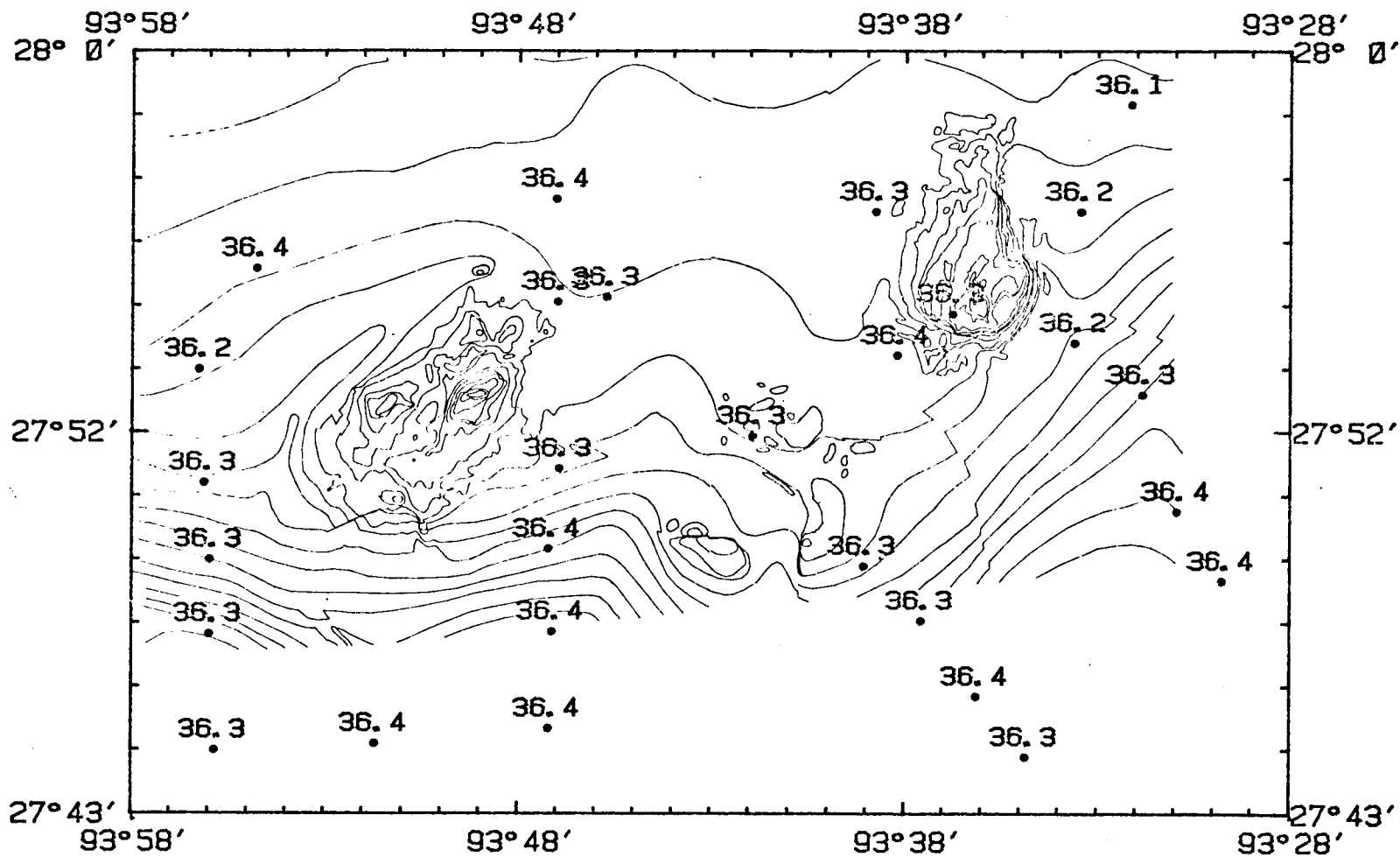
East and West Flower Garden Banks



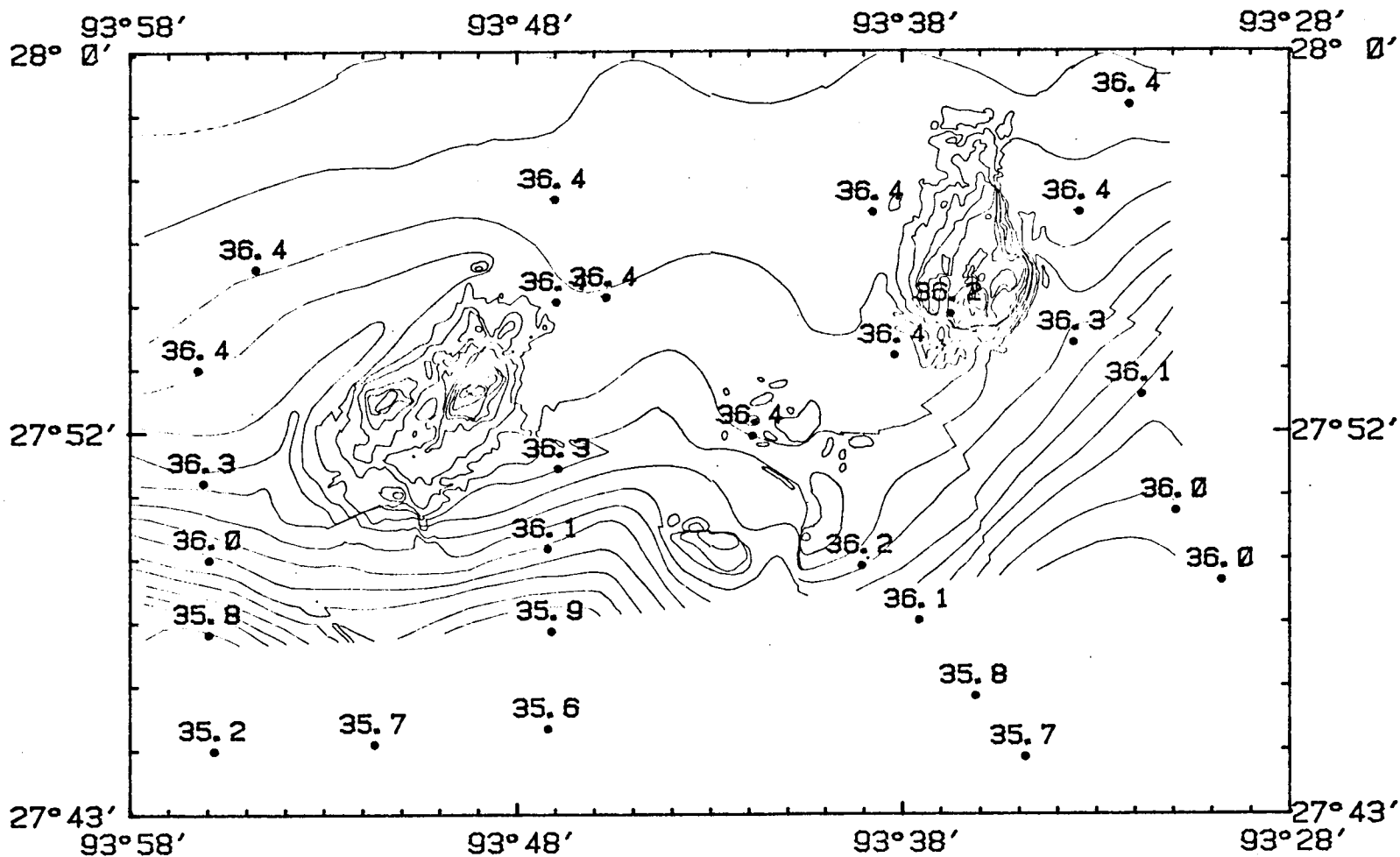
Cruises: 81-NS-1
Salinity (ppt) at 5 m Depth
East and West Flower Garden Banks



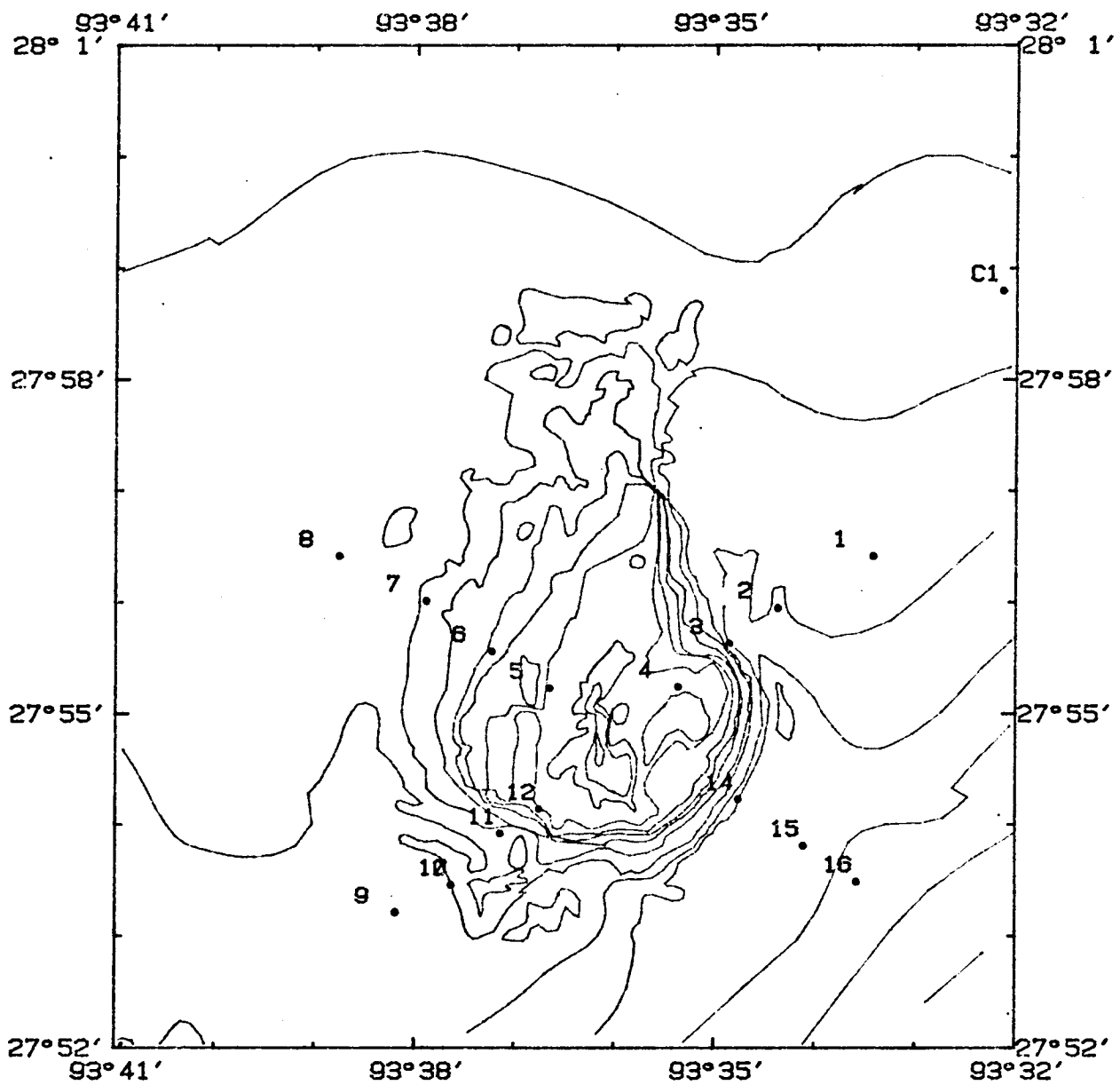
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Salinity (ppt) at 45 m Depth
East and West Flower Garden Banks



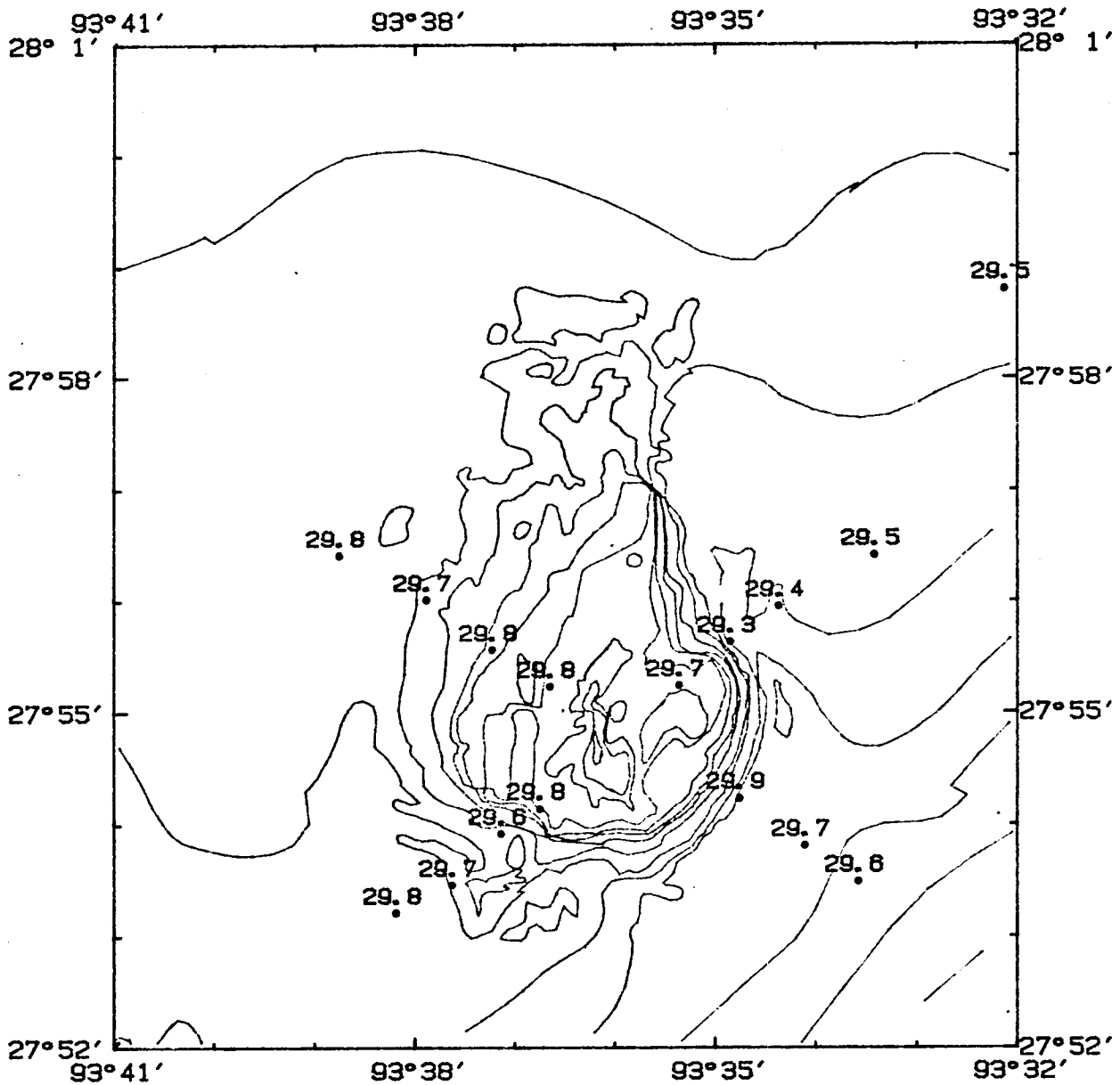
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Salinity (ppt) at 1 m From Bottom
East and West Flower Garden Banks



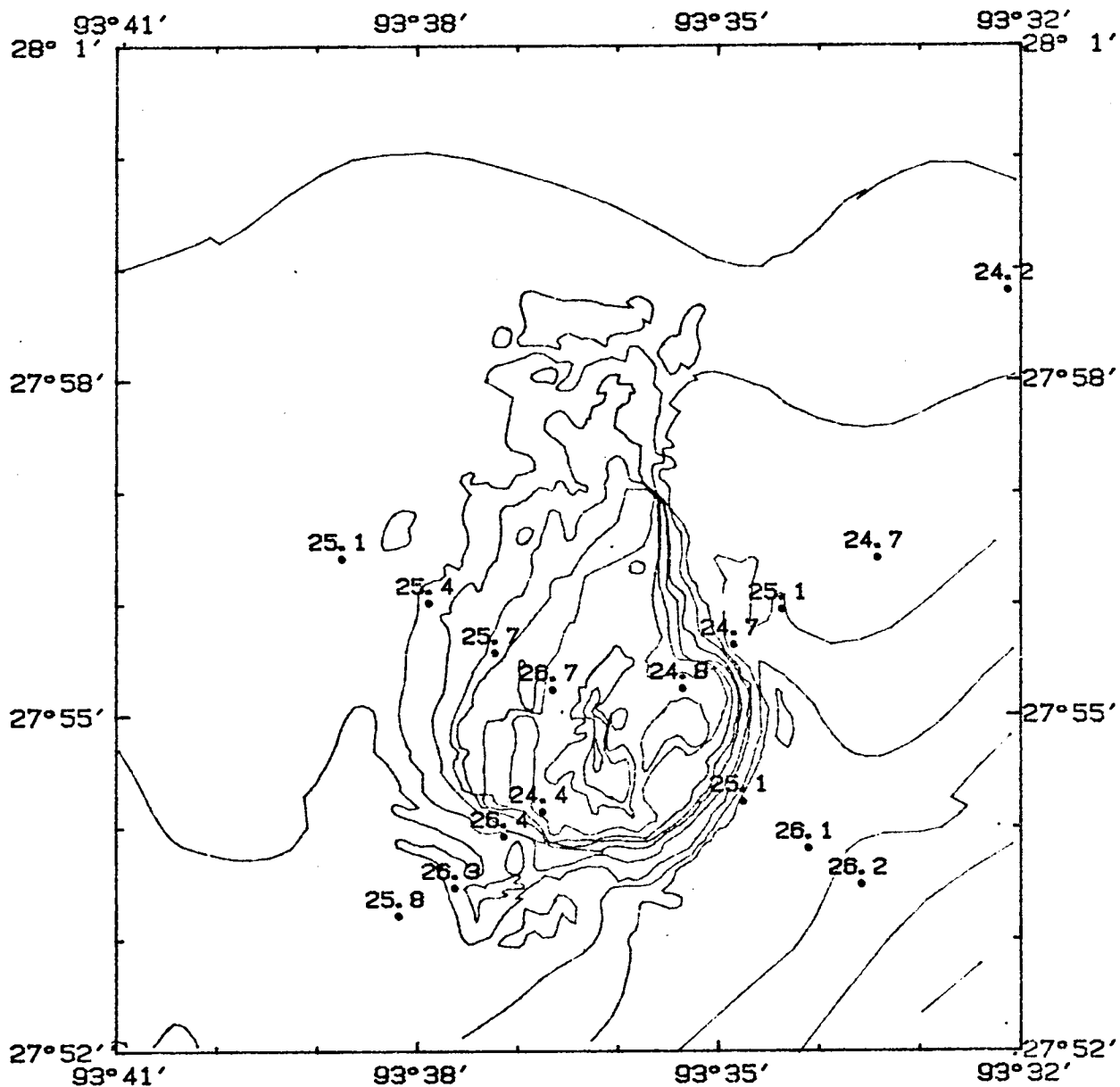
Cruises: 81-NS-1
Station Names
East Flower Garden Bank



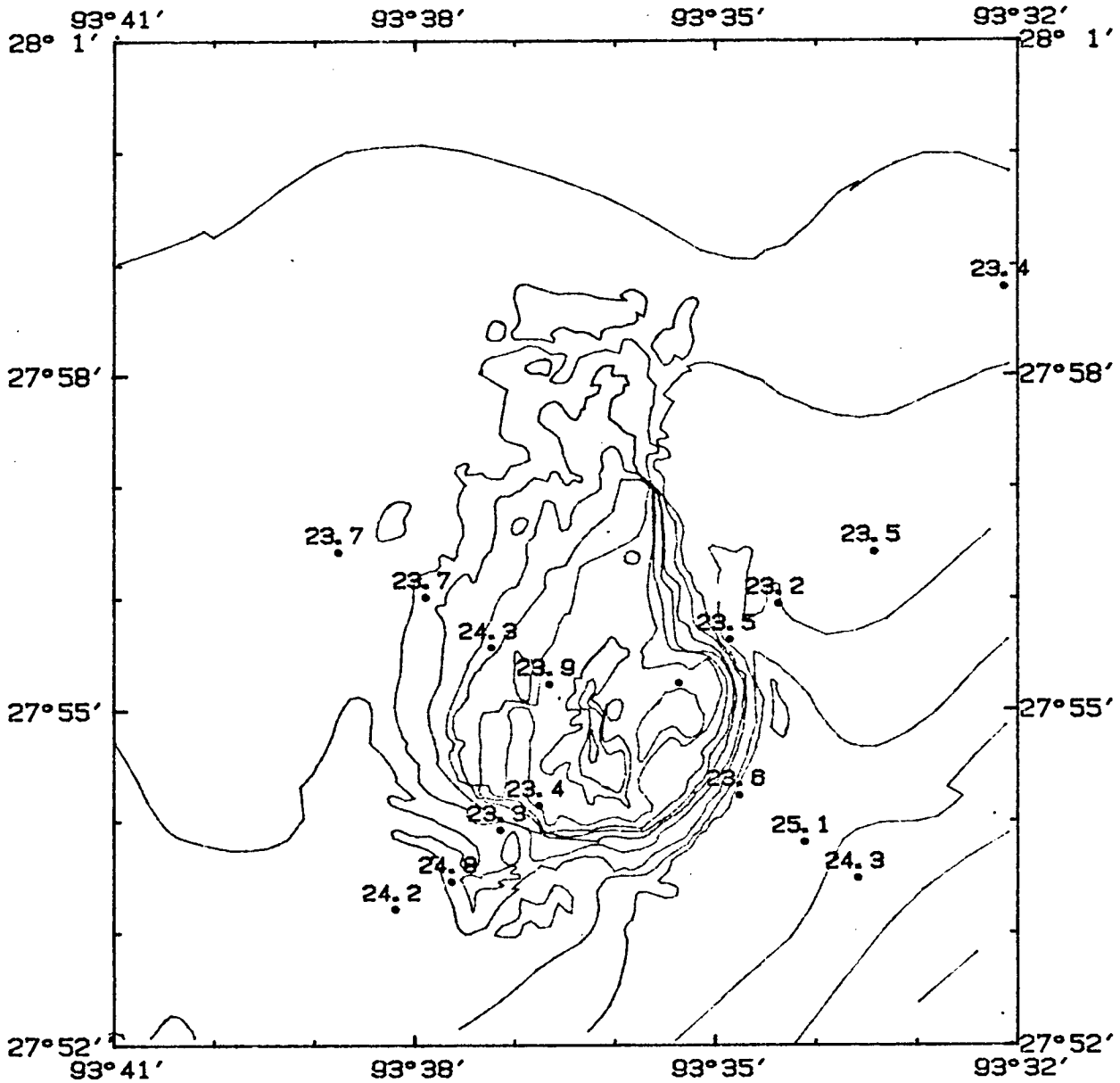
Cruise: 81-NS-1
Temperature (deg. C) at 5 m Depth
East Flower Garden Bank



Cruise: 81-NS-1
Temperature (deg. C) at 45 m Depth
East Flower Garden Bank



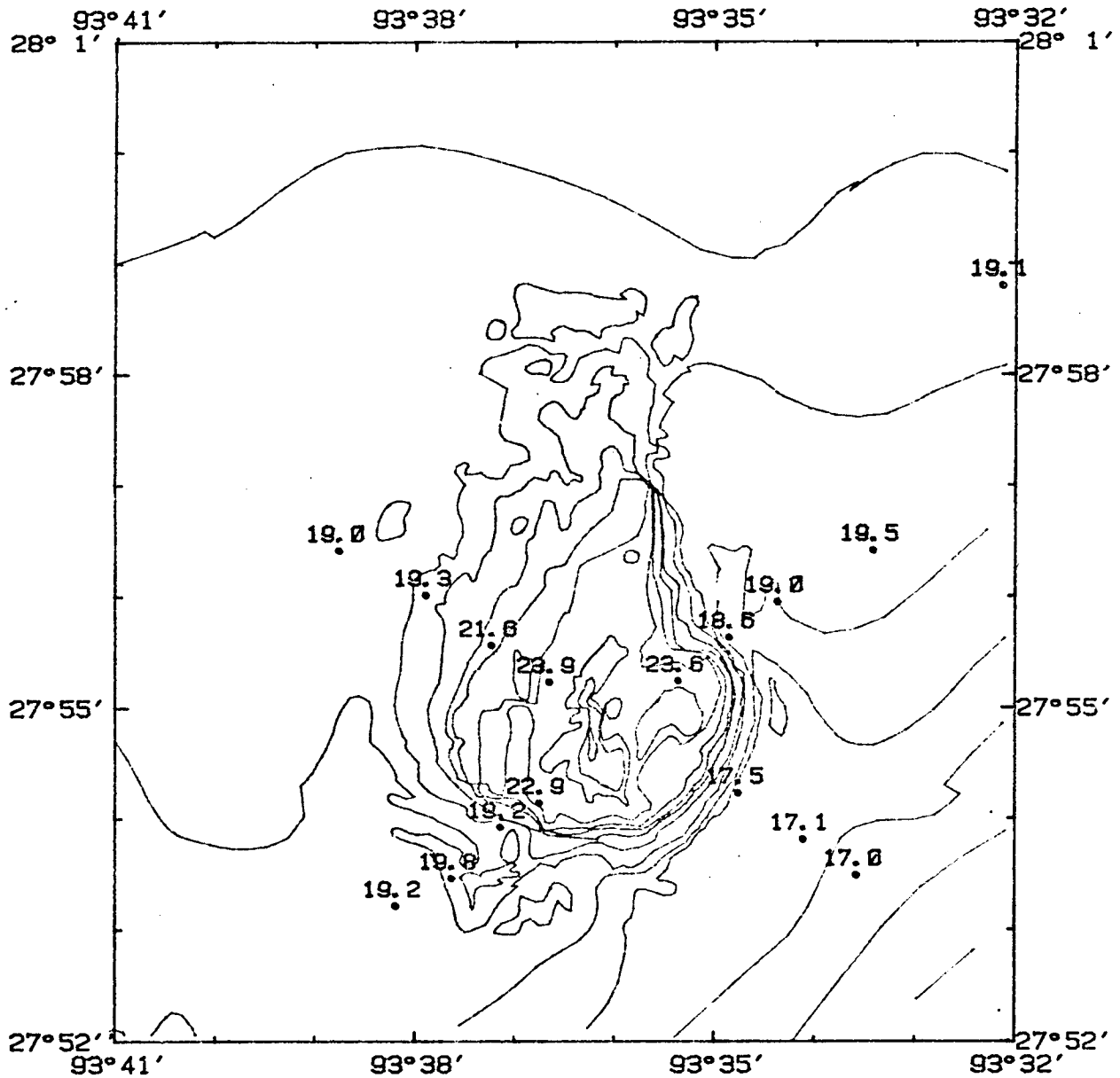
Cruise: 81-NS-1
Temperature (deg. C) at 50 m. Depth
East Flower Garden Bank



Cruiser 81-NS-1

Temperature (deg. C) at 0 m From Bottom

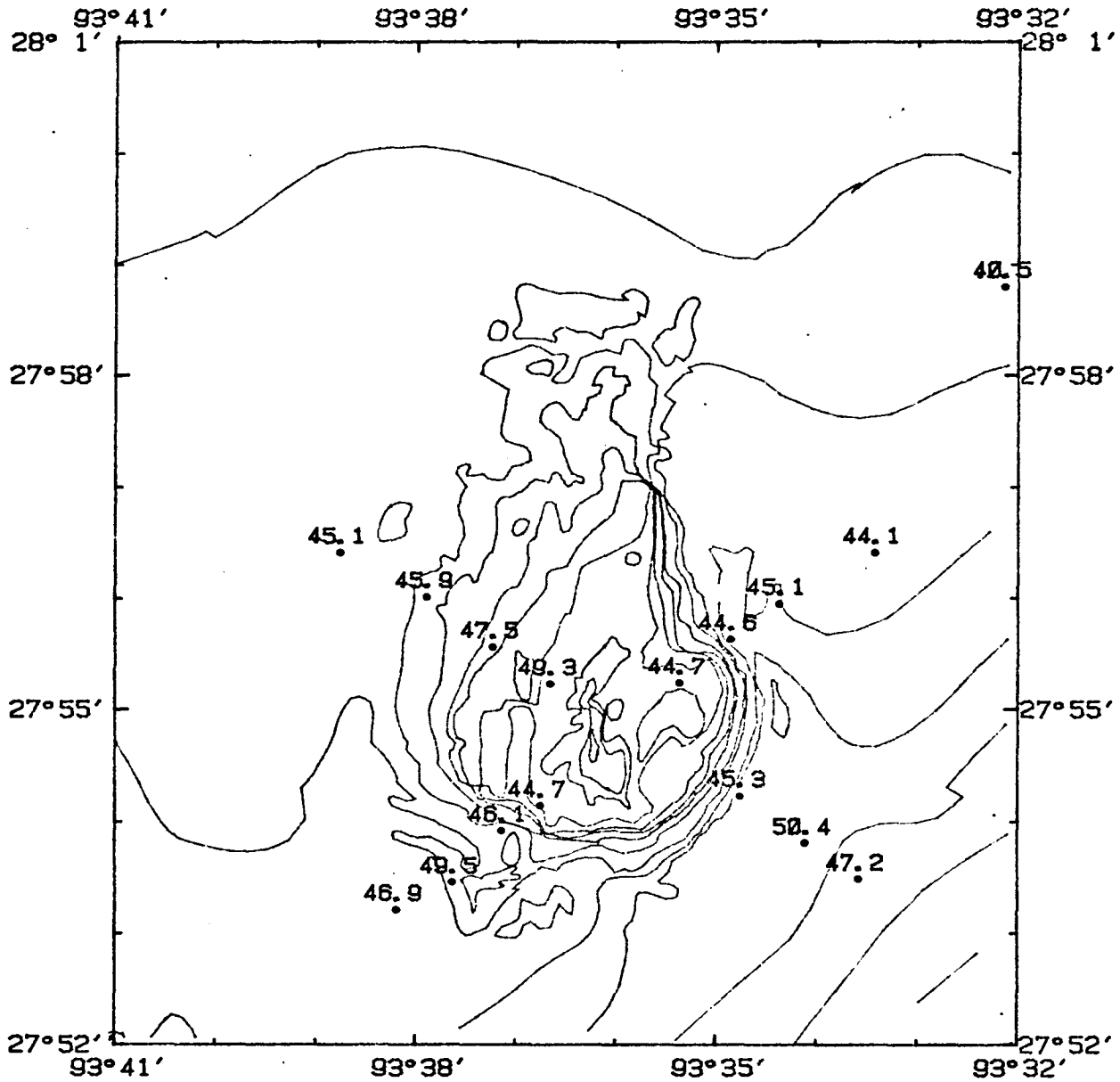
East Flower Garden Bank



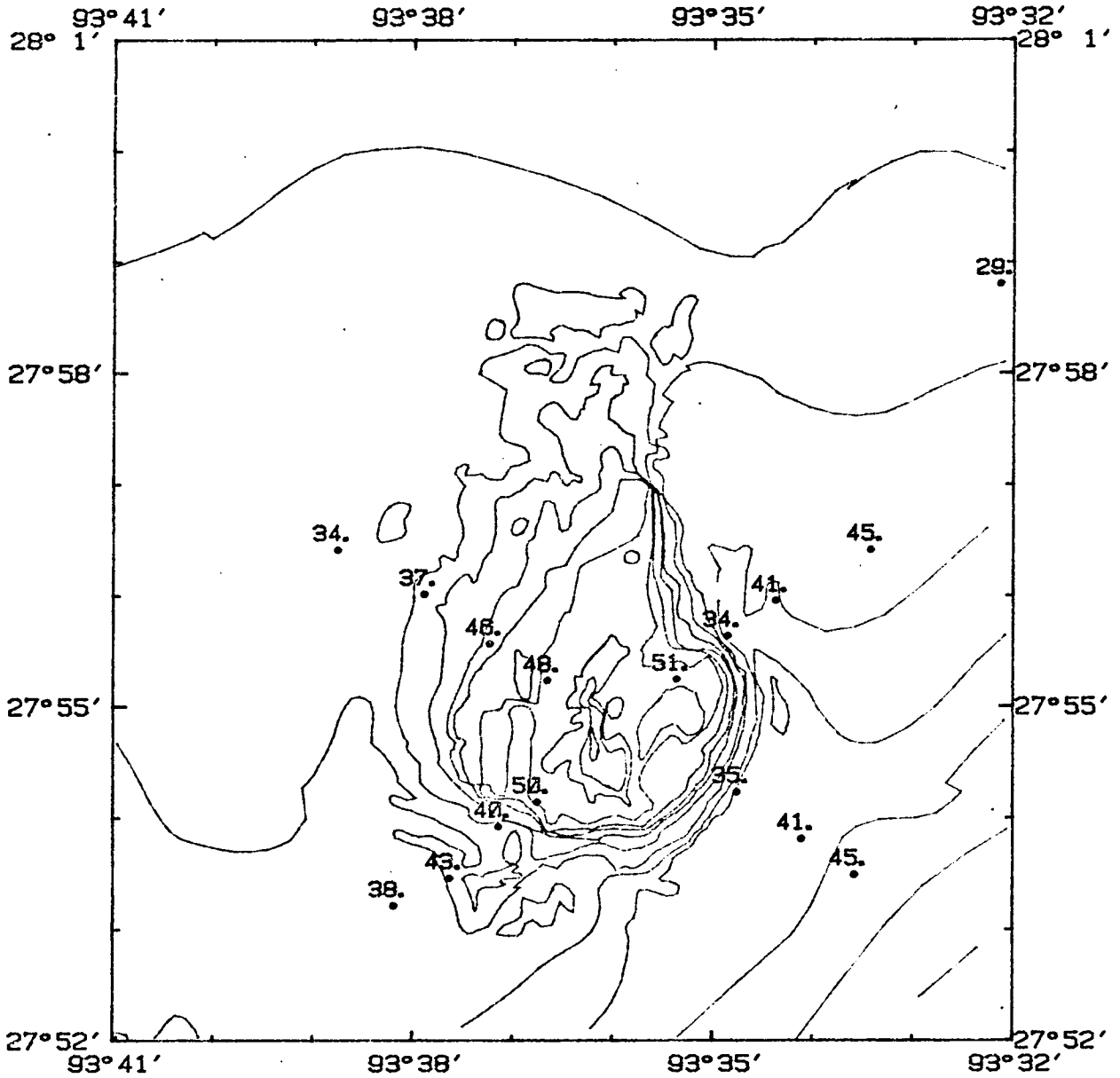
Cruiser: 81-NS-1

Depth (m) Where Temperature (deg C) = 25.0

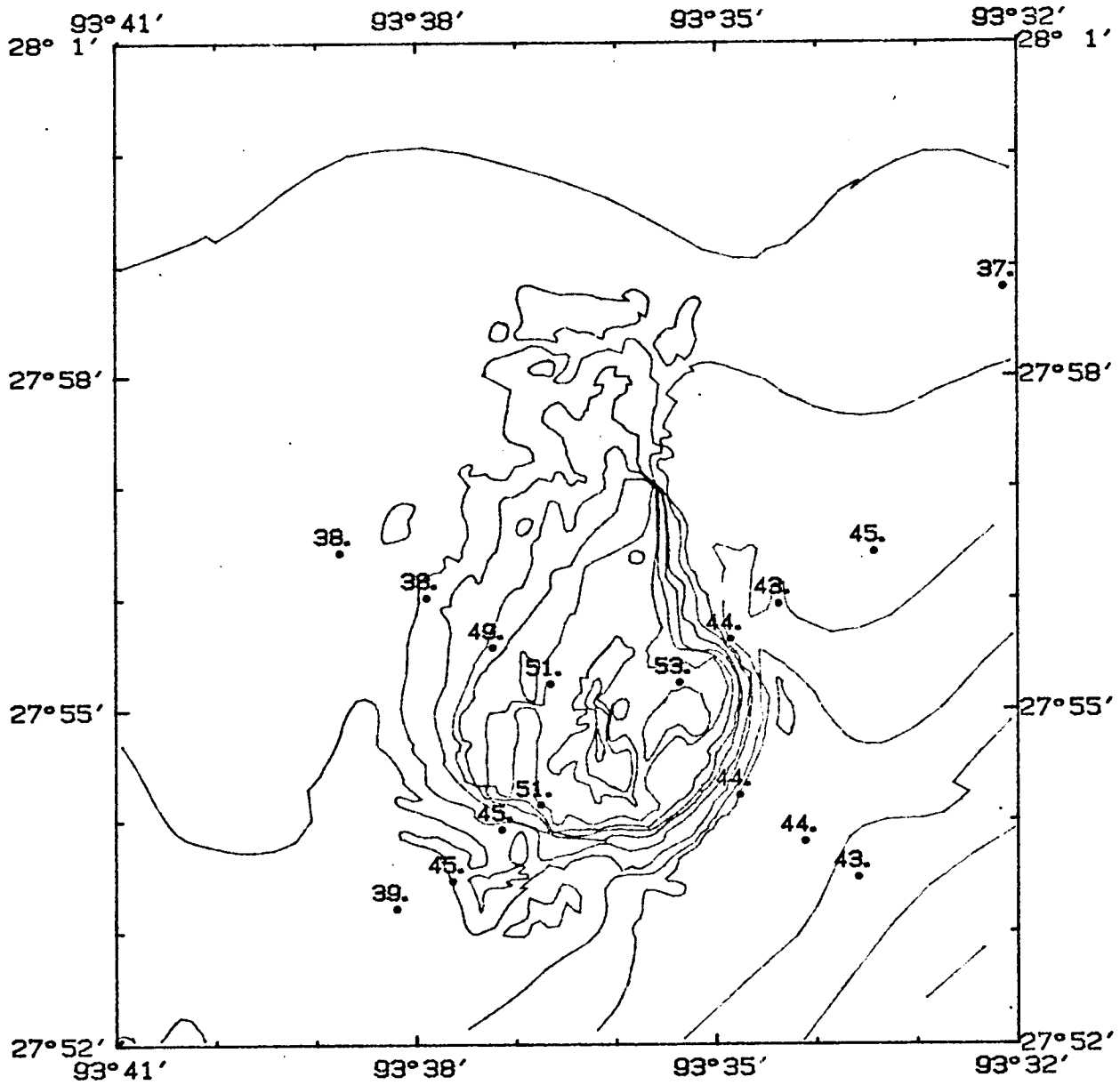
East Flower Garden Bank



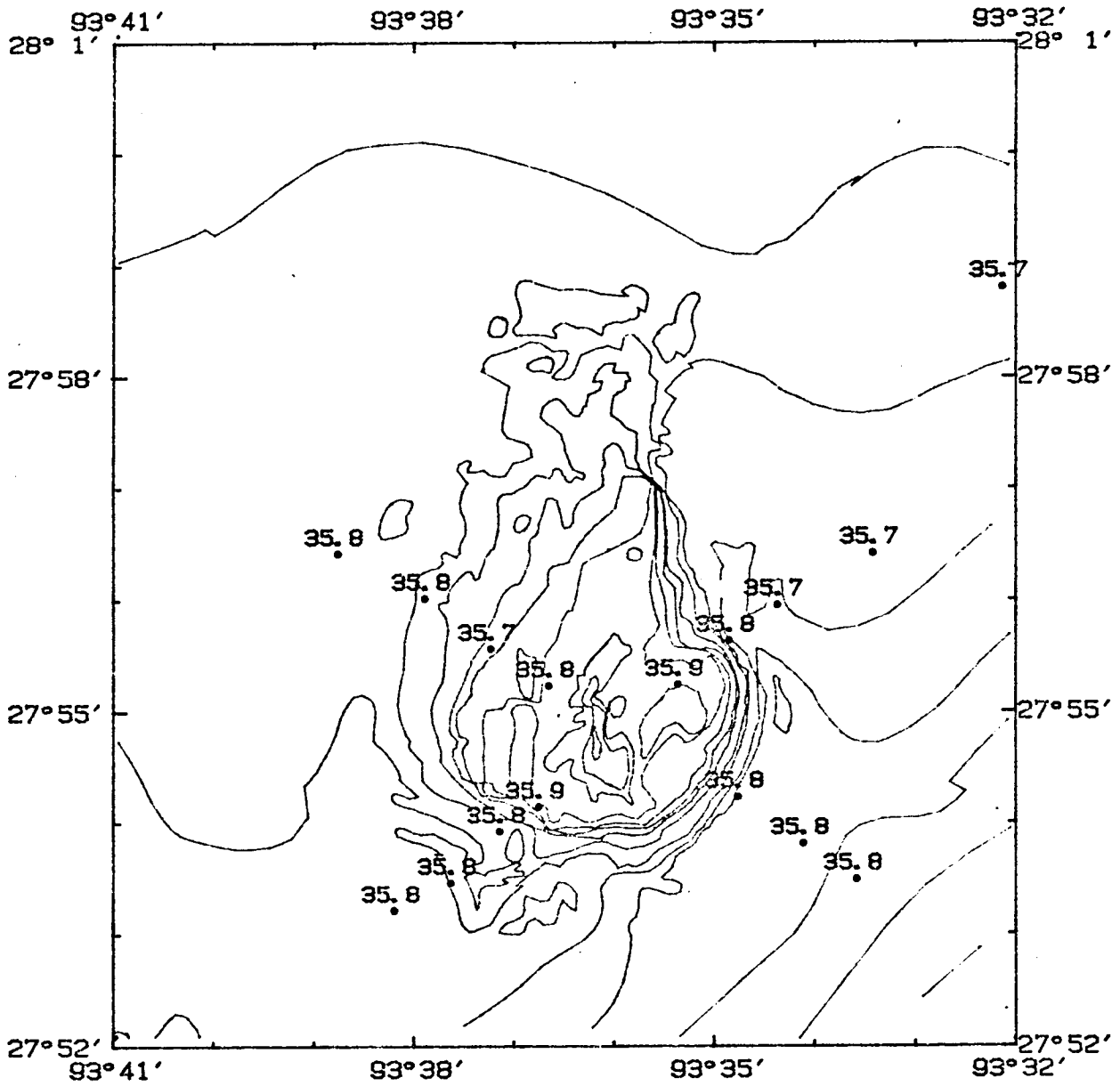
Cruise: 81-NS-1
Transmissivity (%/m) at 1 m From Bottom
East Flower Garden Bank



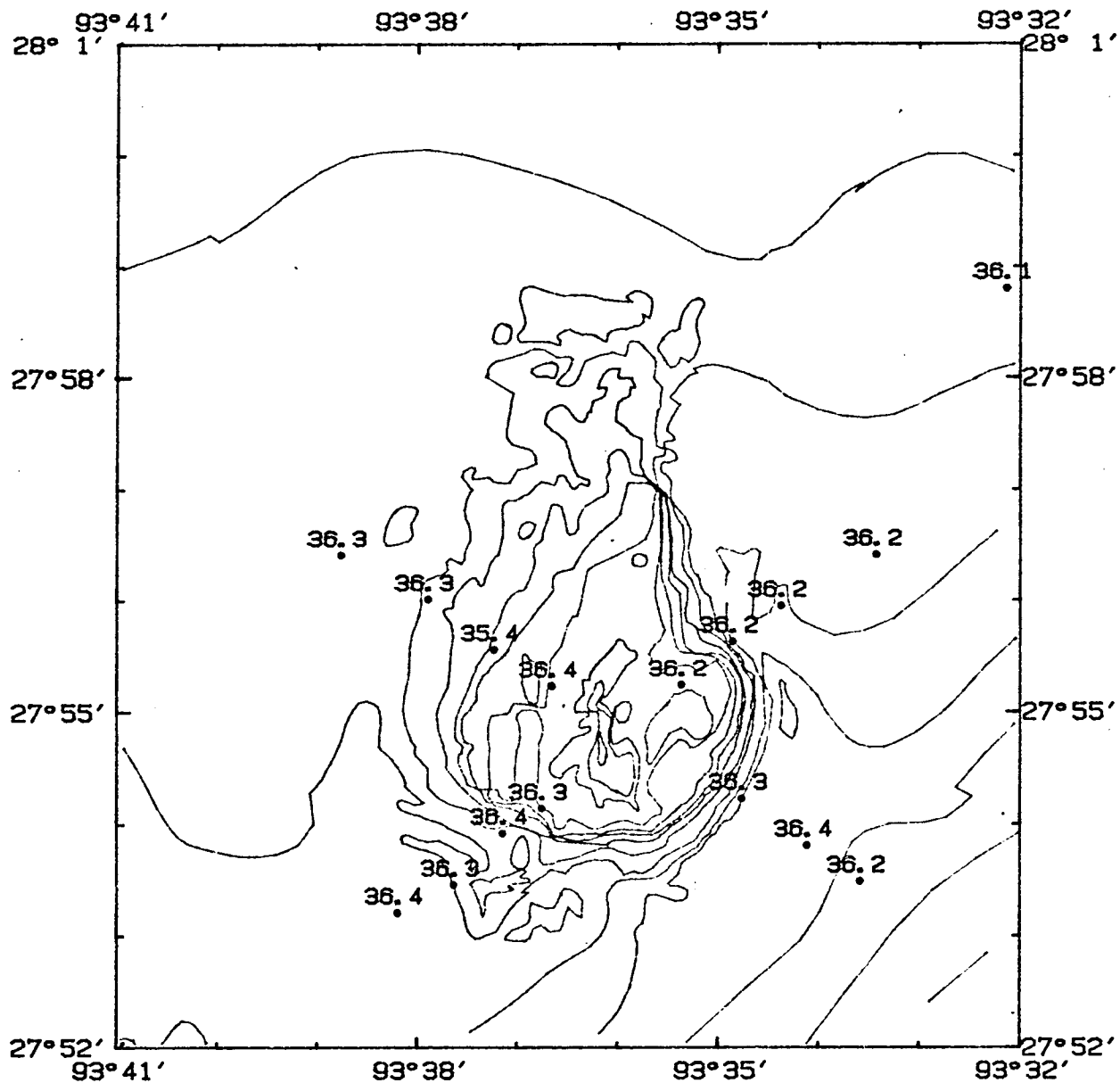
Cruise: 81-NS-1
Transmissivity (%/m) at 10 m From Bottom
East Flower Garden Bank



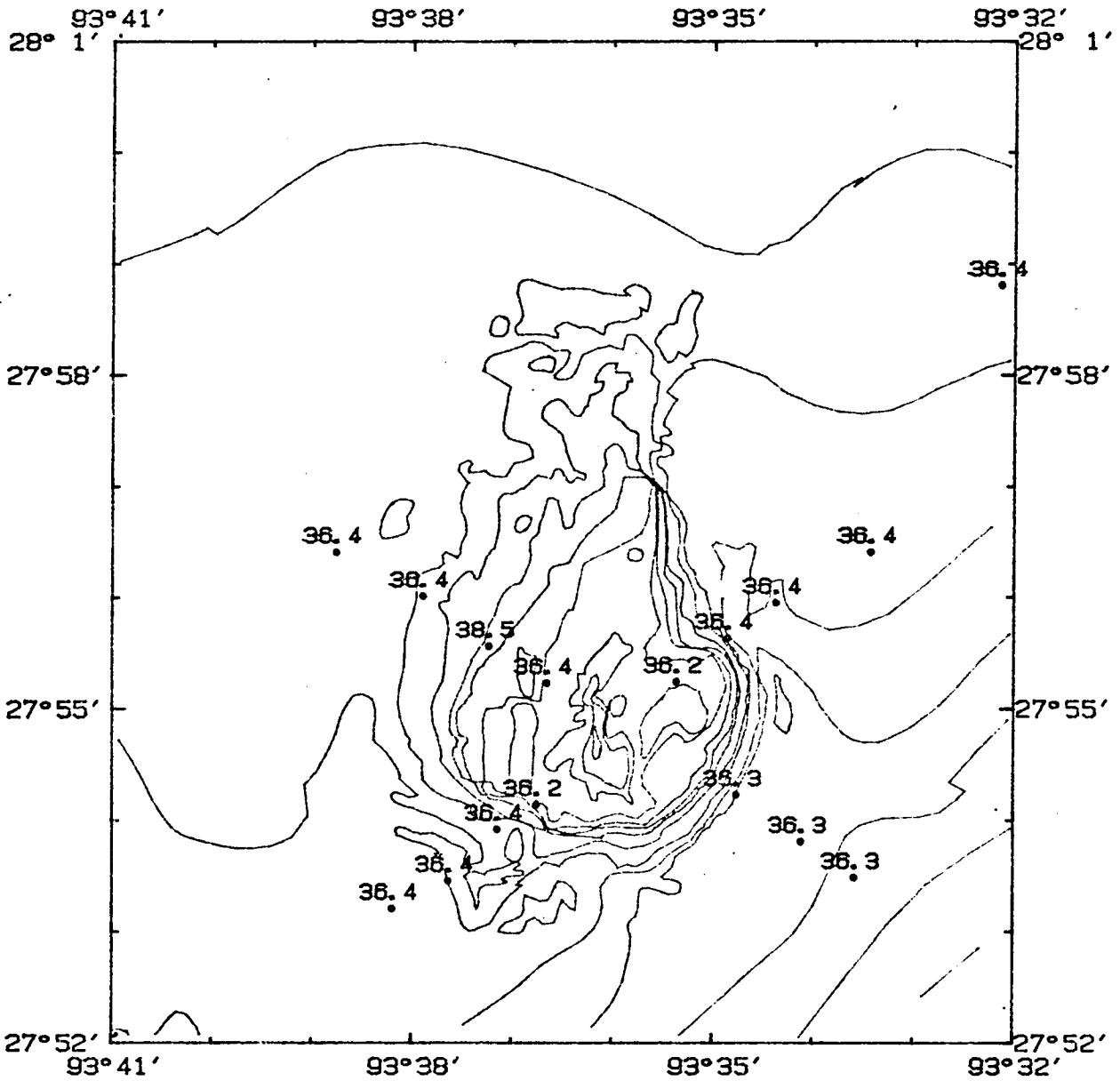
Cruise: 81-NS-1
Salinity (ppt) at 5 m Depth
East Flower Garden Bank



Cruise: 81-NS-1
Salinity (ppt) at 45 m Depth
East Flower Garden Bank



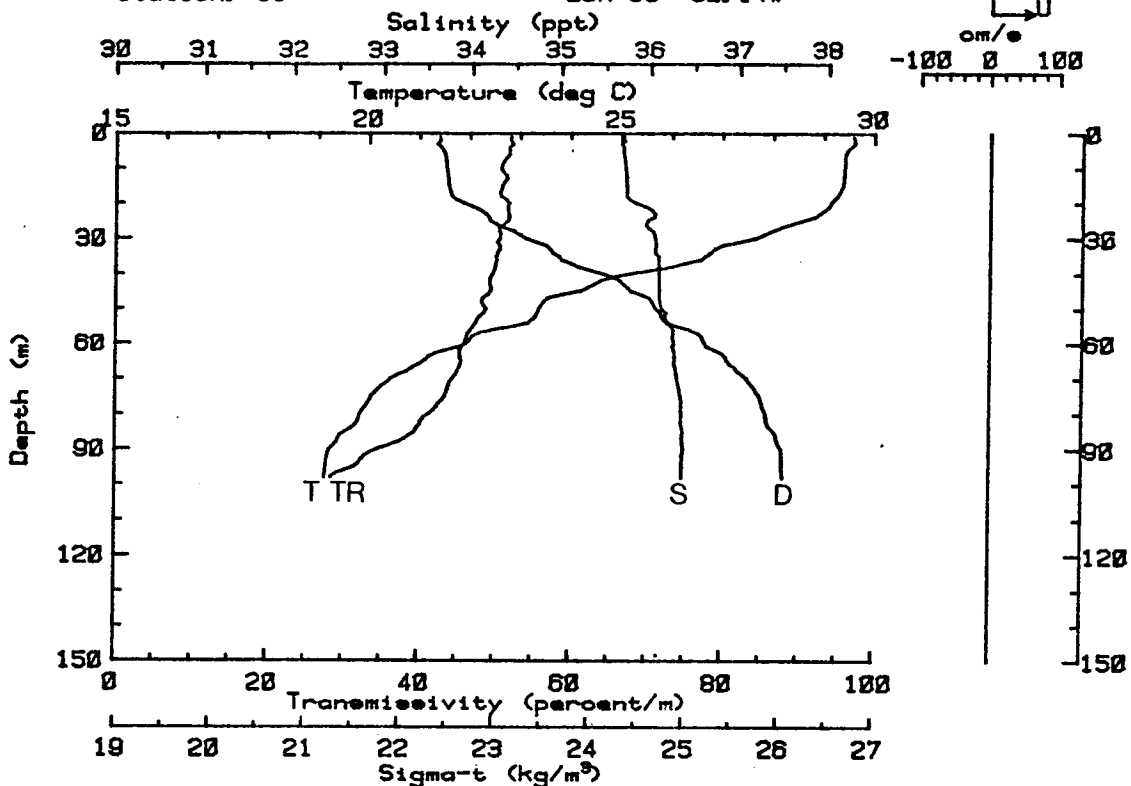
Cruises: 81-NS-1
Salinity (ppt) at 1 m From Bottom
East Flower Garden Bank



360

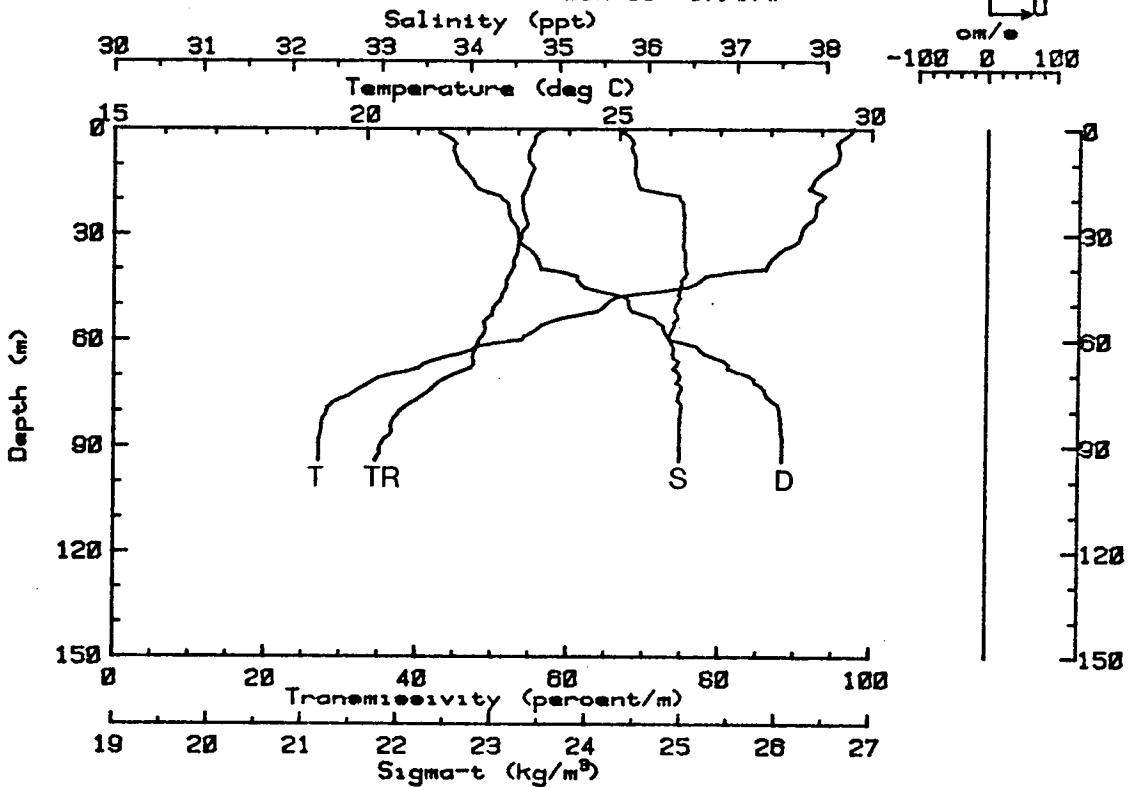
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Ship: NORTH SEAL
Station: C1

Year Day Hr Min
1981: 196: 18: 38
LAT 27 58.80N
LON 93 32.14W



Cruise: 81-NS-1
Ship: NORTH SEAL
Station: C2

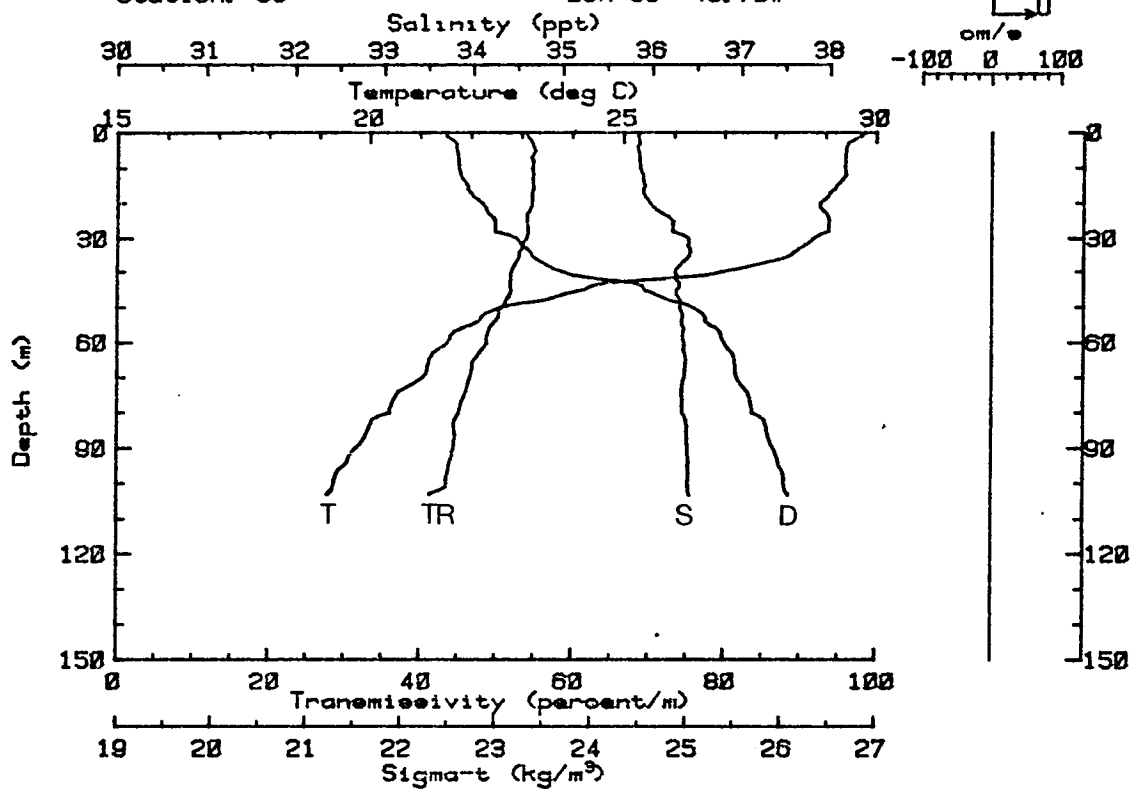
Year Day Hr Min
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LAT 27 53.80N
LON 93 37.17W



361

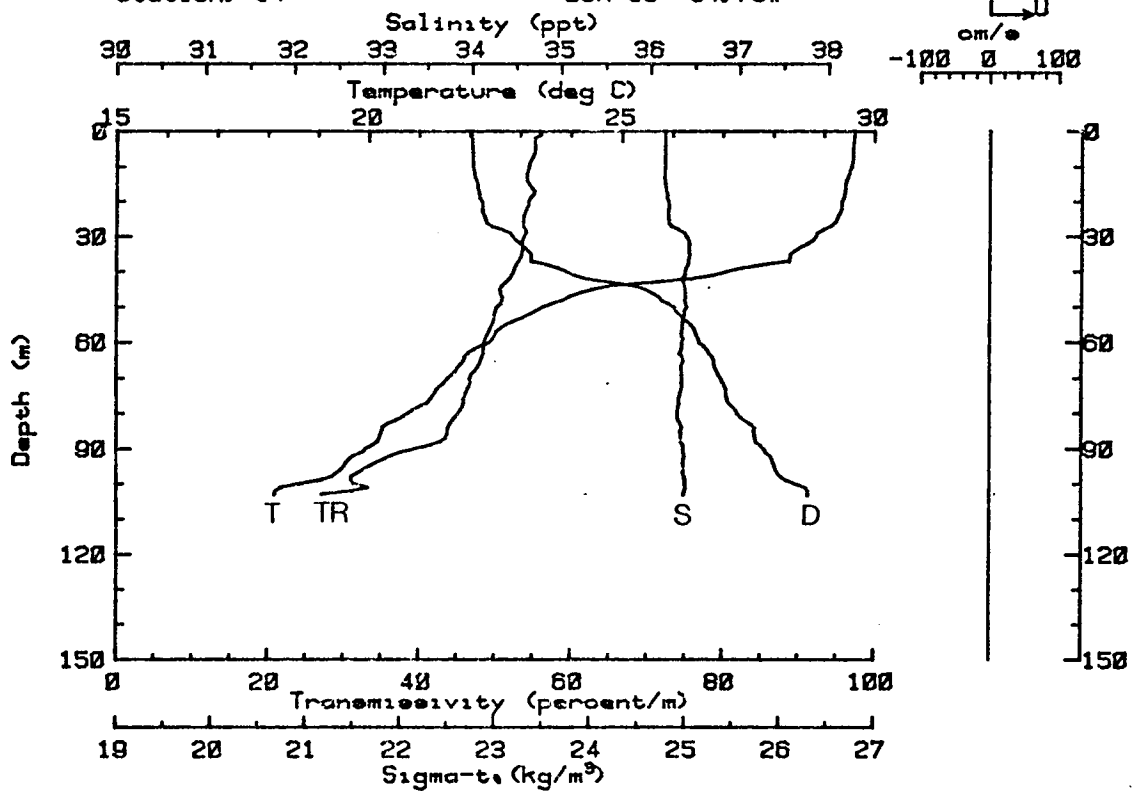
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Ship: NORTH SEAL
Station: C3

Year Day Hr Min
1981: 196: 15: 21
LAT 27 54.51N
LON 93 45.70W



Cruise: 81-NS-1
Ship: NORTH SEAL
Station: C4

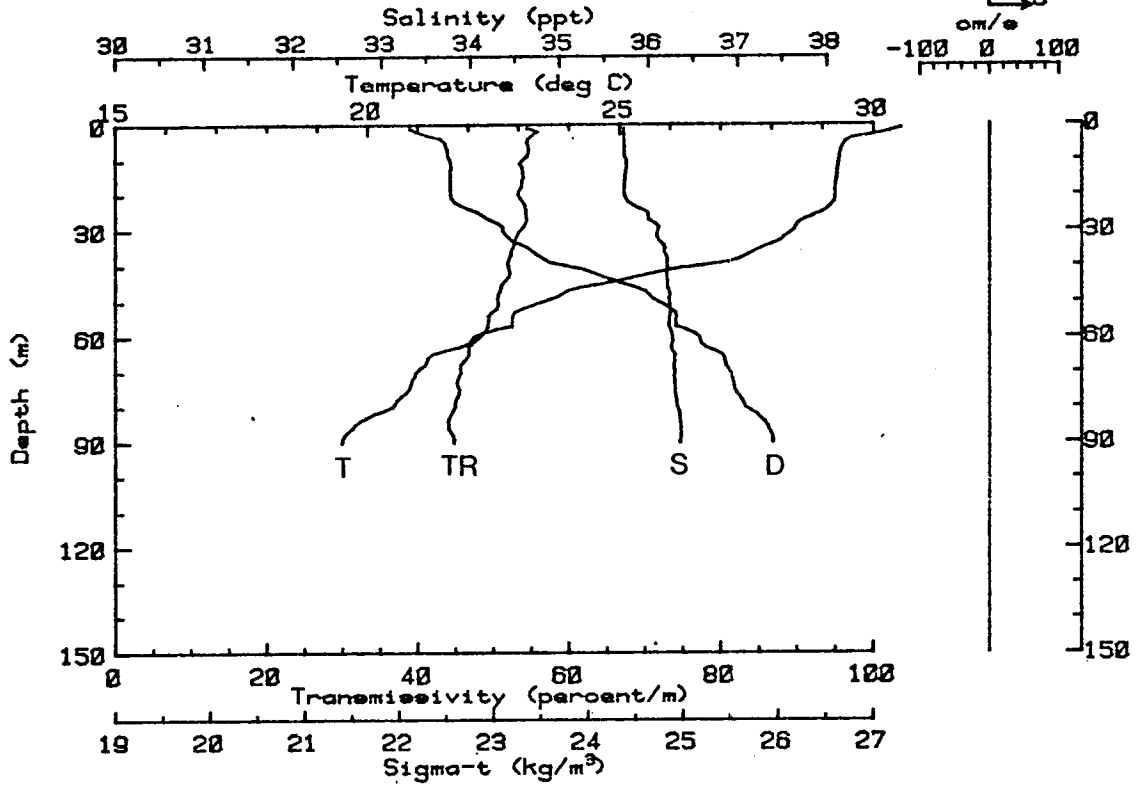
Year Day Hr Min
1981: 196: 13: 43
LAT 27 55.15N
LON 93 54.76W



362

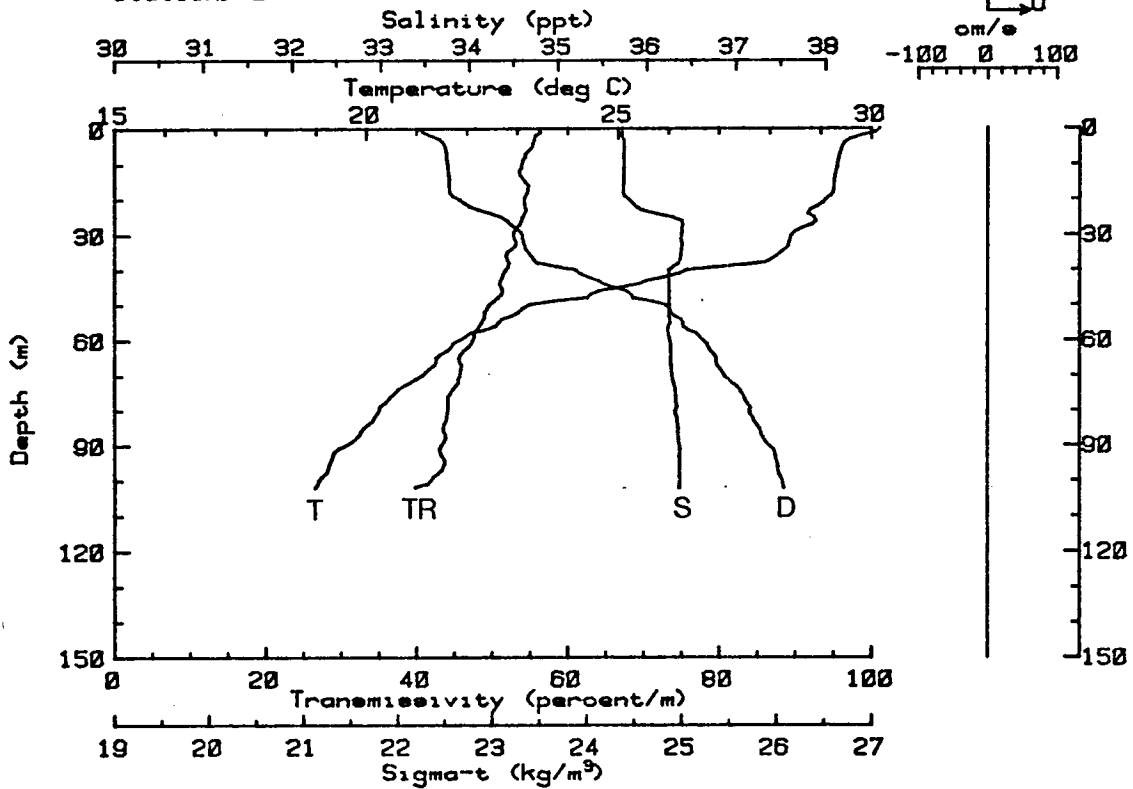
Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 1

Year Day Hr Min
1981: 196: 20: 12
LAT 27 56.41N
LON 93 33.43W



Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 2

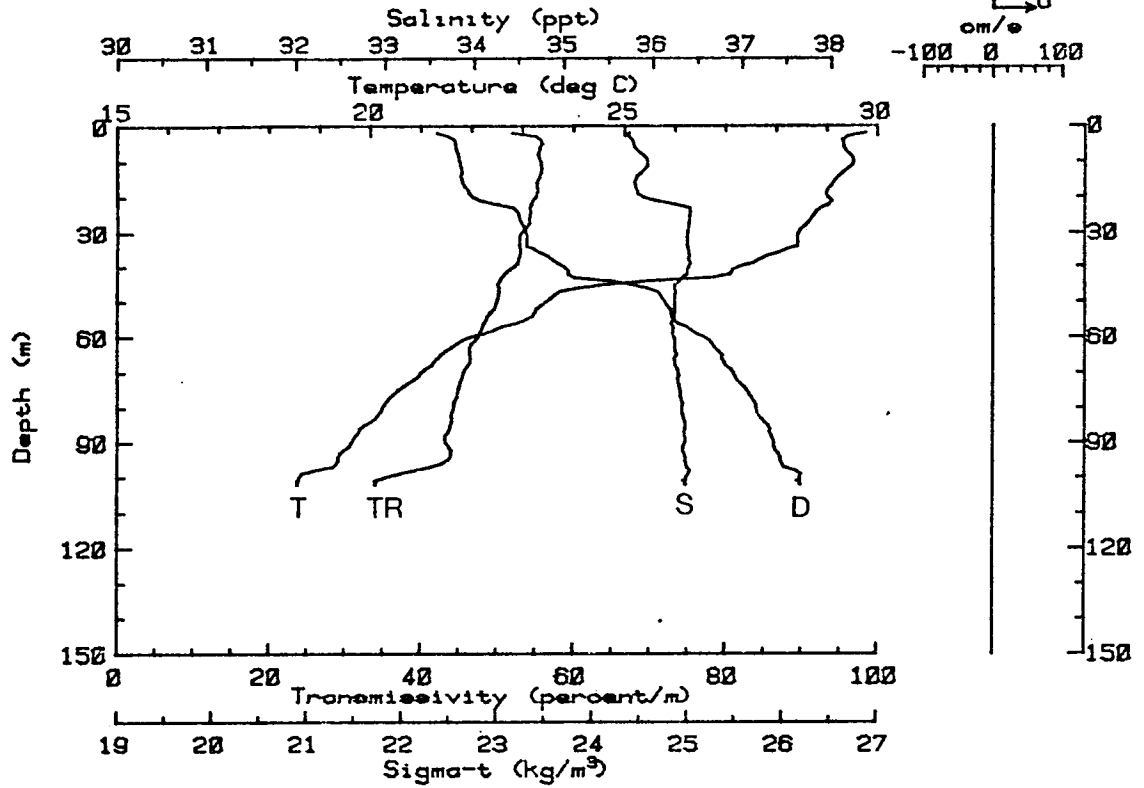
Year Day Hr Min
1981: 196: 20: 50
LAT 27 55.95N
LON 93 34.38W



363

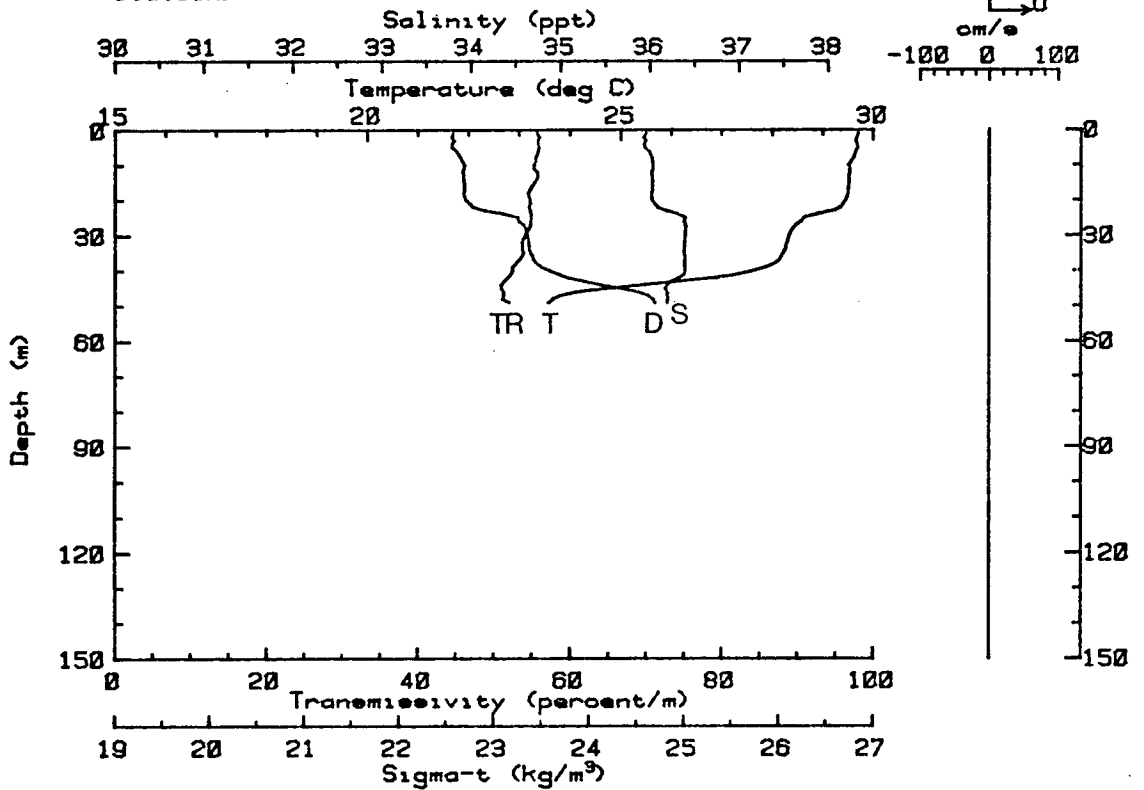
Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 3

Year Day Hr Min
1981: 196: 21: 17
LAT 27 55.63N
LON 93 34.86W



Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 4

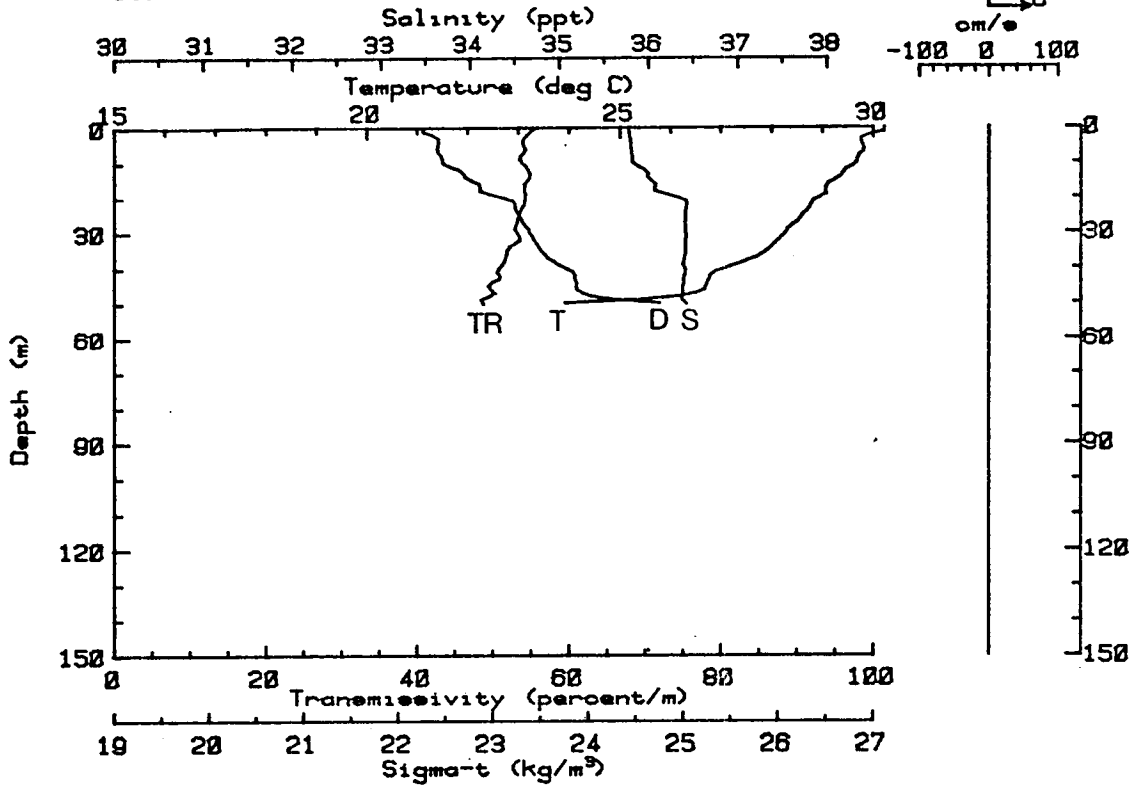
Year Day Hr Min
1981: 196: 21: 51
LAT 27 55.24N
LON 93 35.37W



364

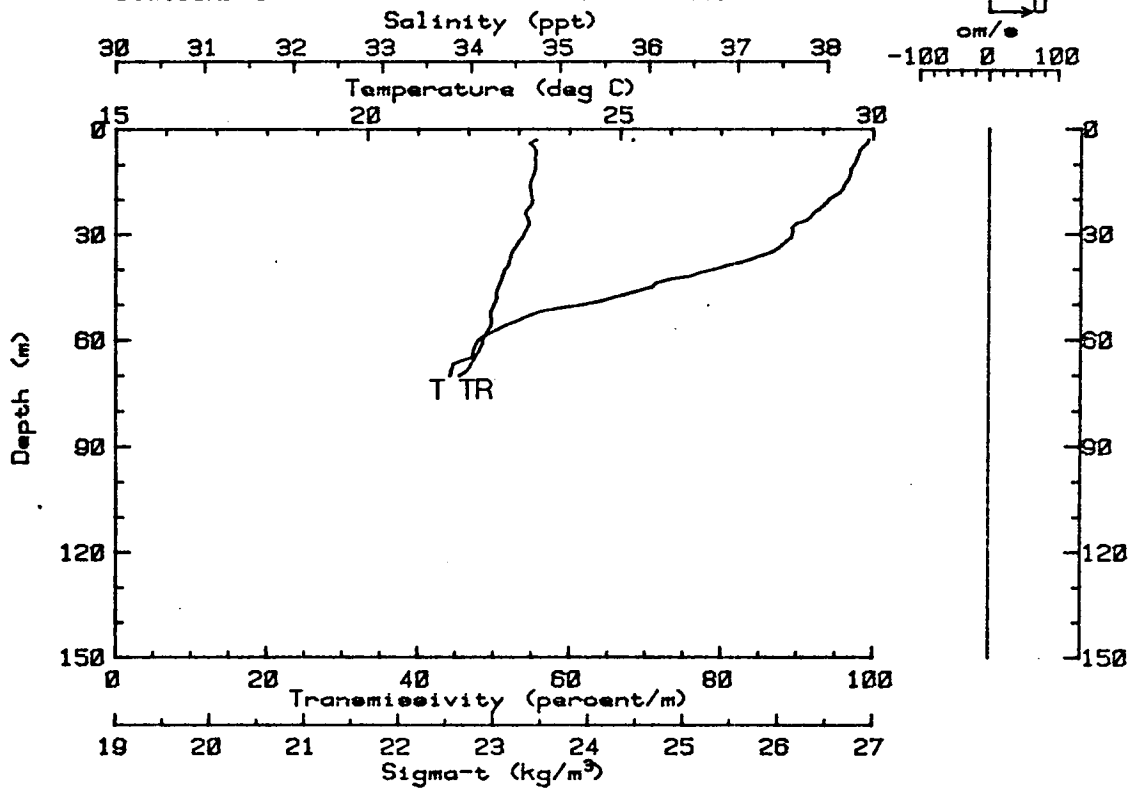
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 5

Year Day Hr Min
1981: 196: 22: 22
LAT 27 55.23N
LON 93 36.66W



Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 6

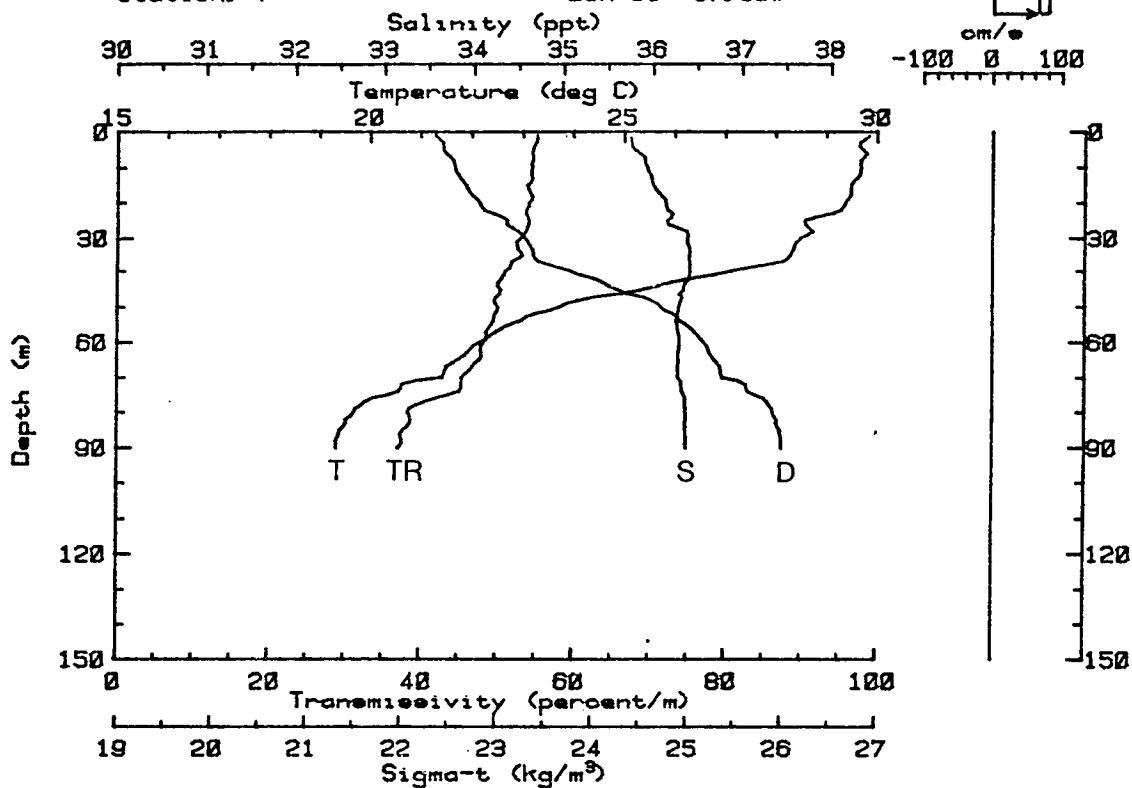
Year Day Hr Min
1981: 196: 22: 46
LAT 27 55.56N
LON 93 37.24W



365

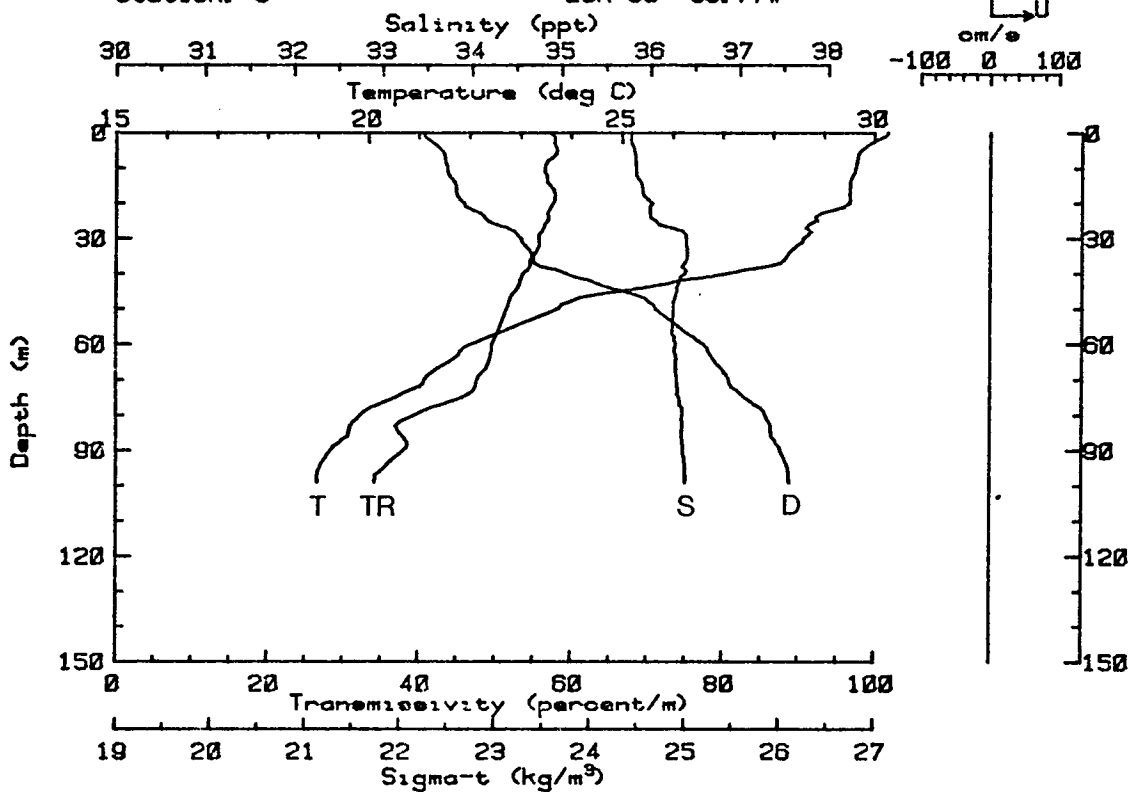
Cruises: 81-NS-1
Ship: NORTH SEAL
Stations: 7

Year Day Hr Min
1981: 196: 23: 13
LAT 27 56.01N
LON 93 37.90W



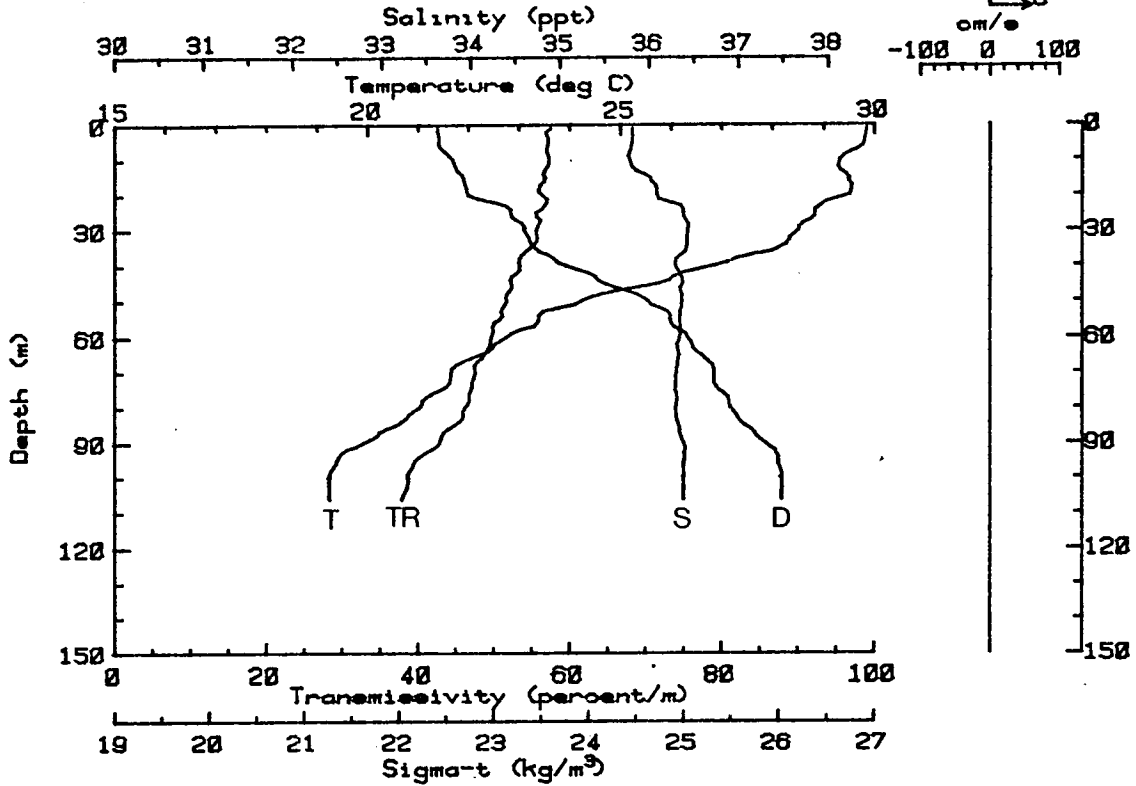
Cruises: 81-NS-1
Ship: NORTH SEAL
Stations: 8

Year Day Hr Min
1981: 196: 23: 41
LAT 27 56.41N
LON 93 38.77W



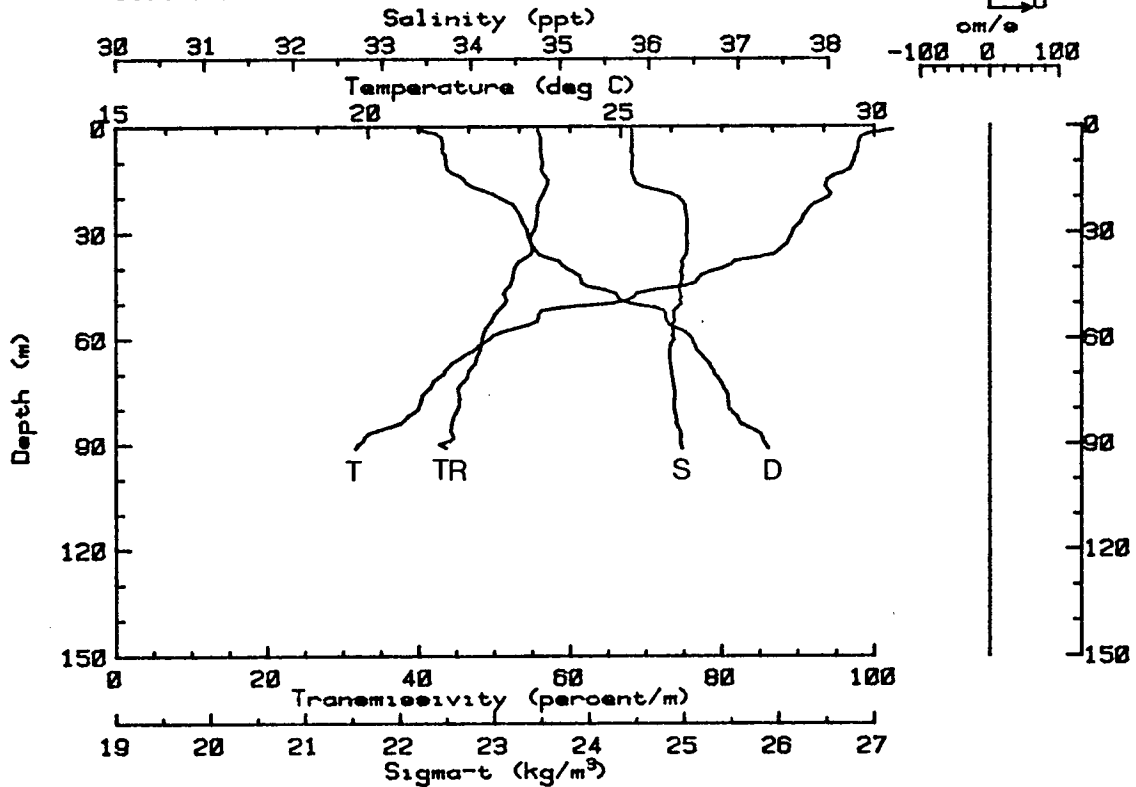
Cruises 81-NS-1
Ship: NORTH SEAL
Stations 9

Year Day Hr Min
1981:197:0:31
LAT 27 53.21N
LON 93 38.20W



Cruises 81-NS-1
Ship: NORTH SEAL
Stations 10

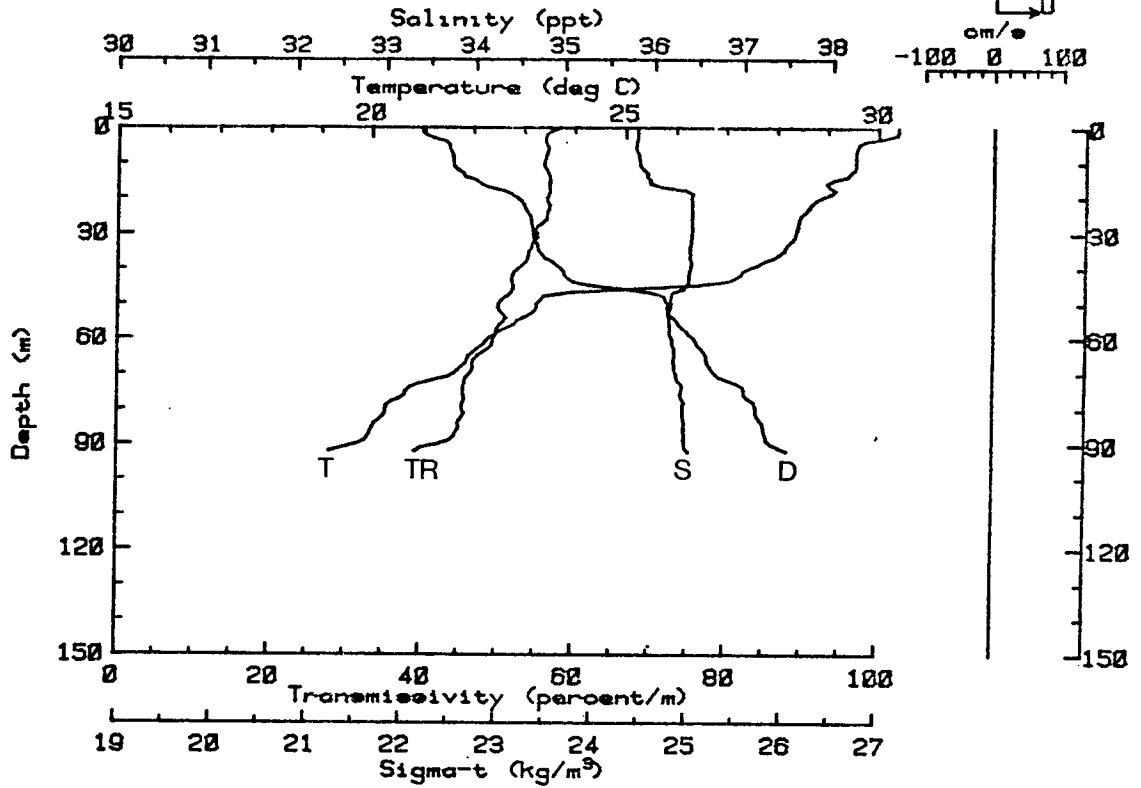
Year Day Hr Min
1981:197:1:6
LAT 27 53.46N
LON 93 37.64W



367

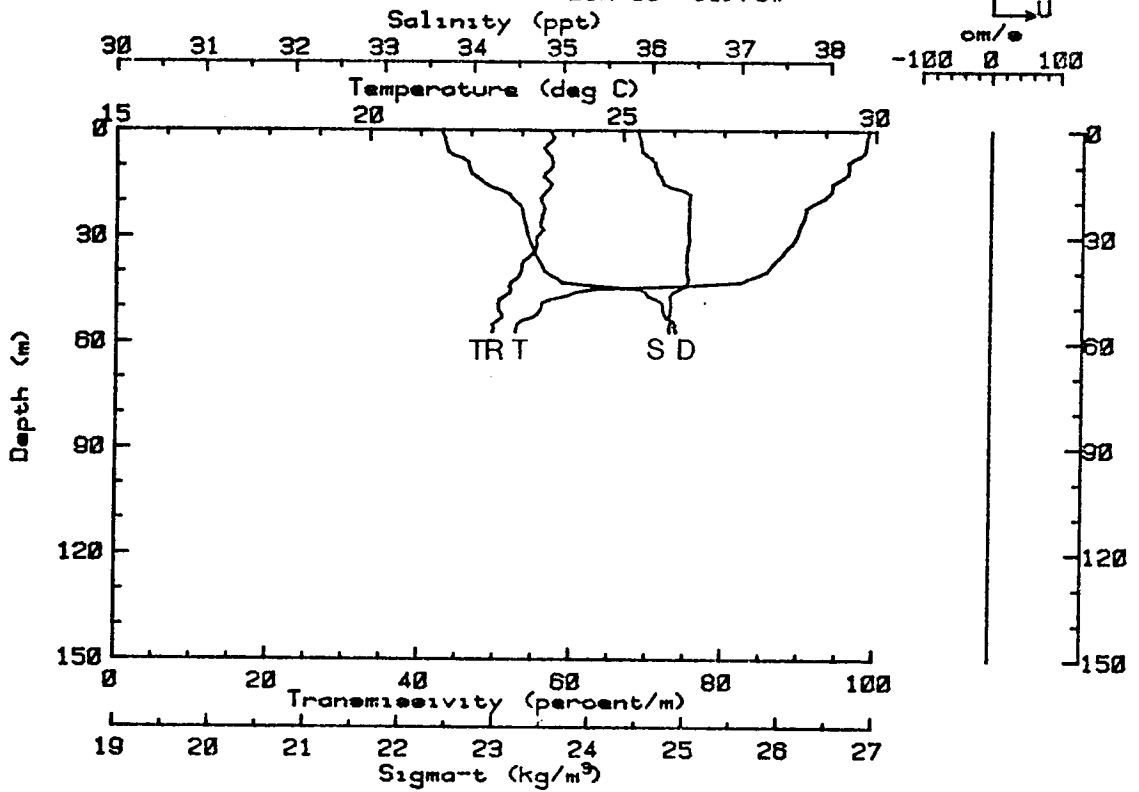
Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 11

Year Day Hr Min
1981: 197: 1 : 36
LAT 27 53.92N
LON 93 37.15W



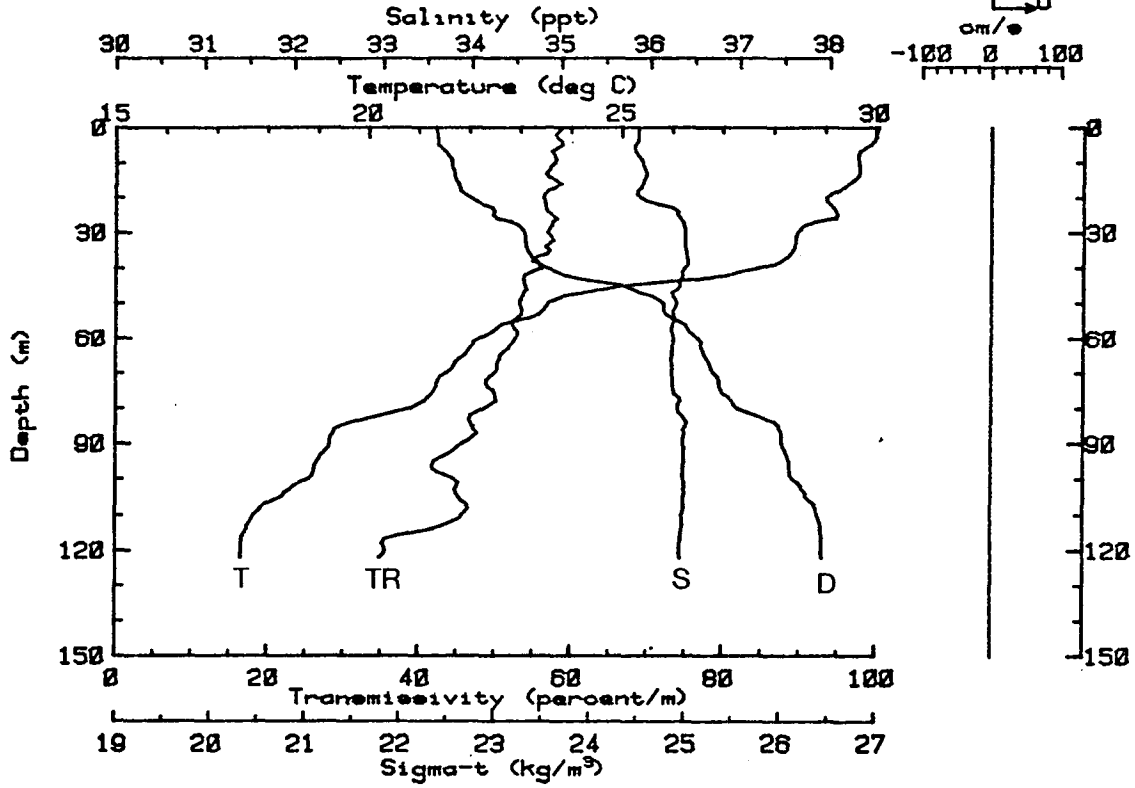
Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 12

Year Day Hr Min
1981: 197: 2 : 14
LAT 27 54.14N
LON 93 36.76W



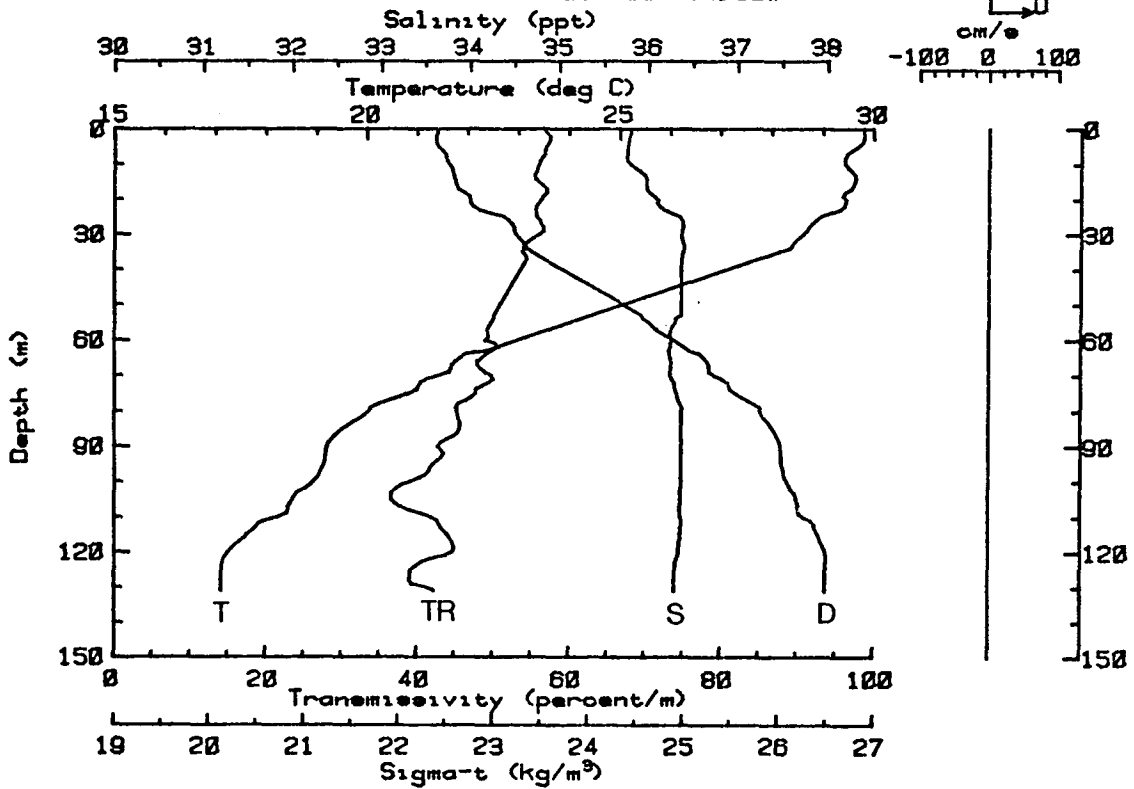
Cruise: 81-NS-1
 Ship: NORTH SEAL
 Station: 14

Year Day Hr Min
 1981: 197: 5 : 14
 LAT 27 54.23N
 LON 93 34.77W



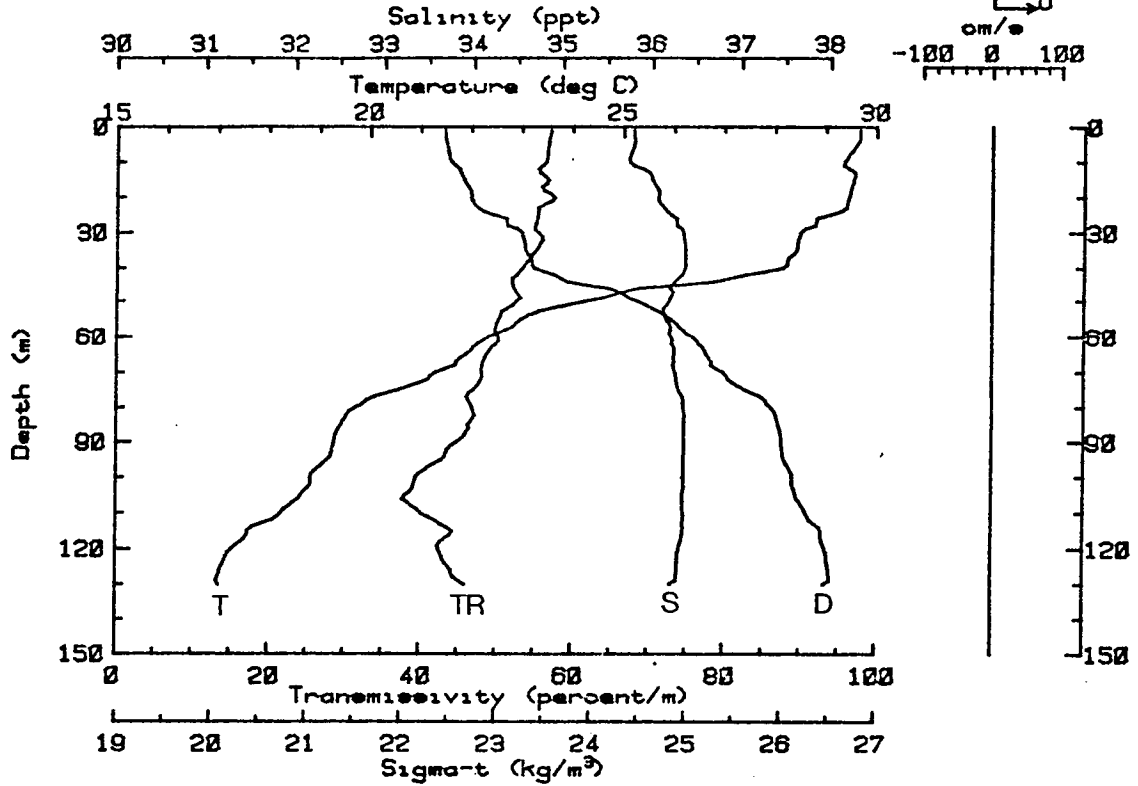
Cruise: 81-NS-1
 Ship: NORTH SEAL
 Station: 15

Year Day Hr Min
 1981: 197: 5 : 52
 LAT 27 53.81N
 LON 93 34.12W



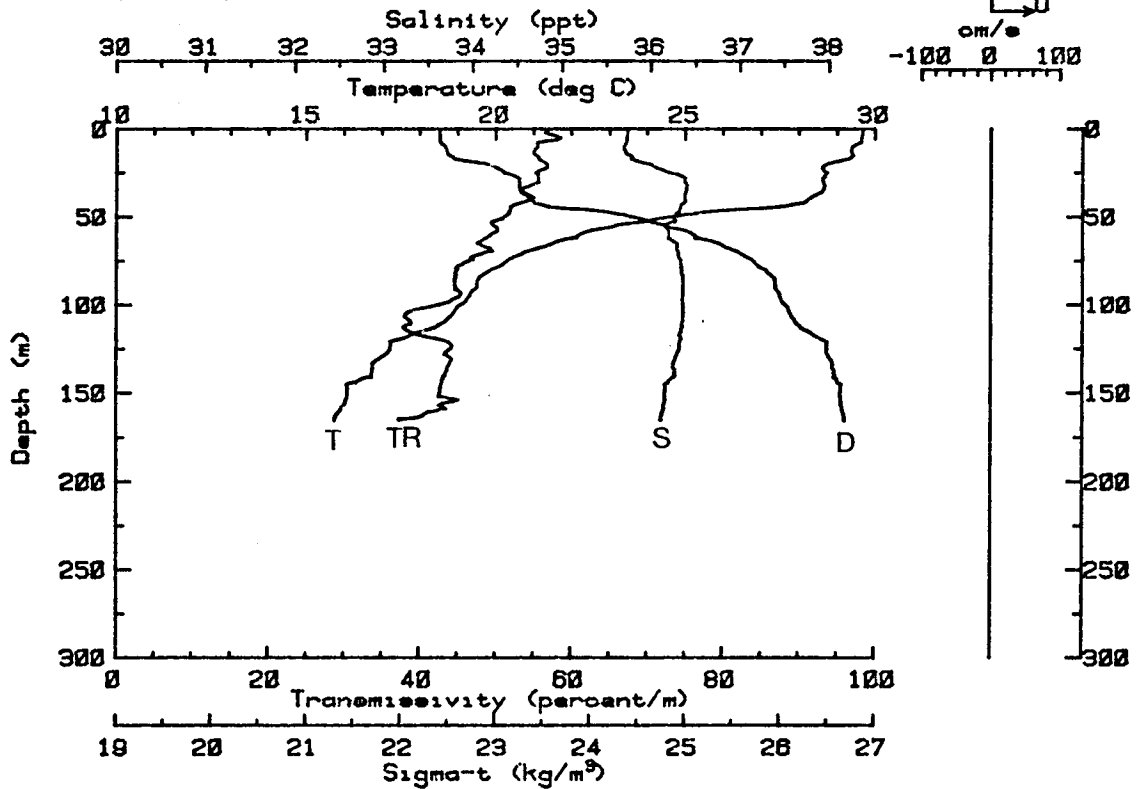
Cruises 81-NS-1
Ships NORTH SEAL
Stations 16

Year Day Hr Min
1981: 197: 6 : 32
LAT 27 53.49N
LON 93 33.59W



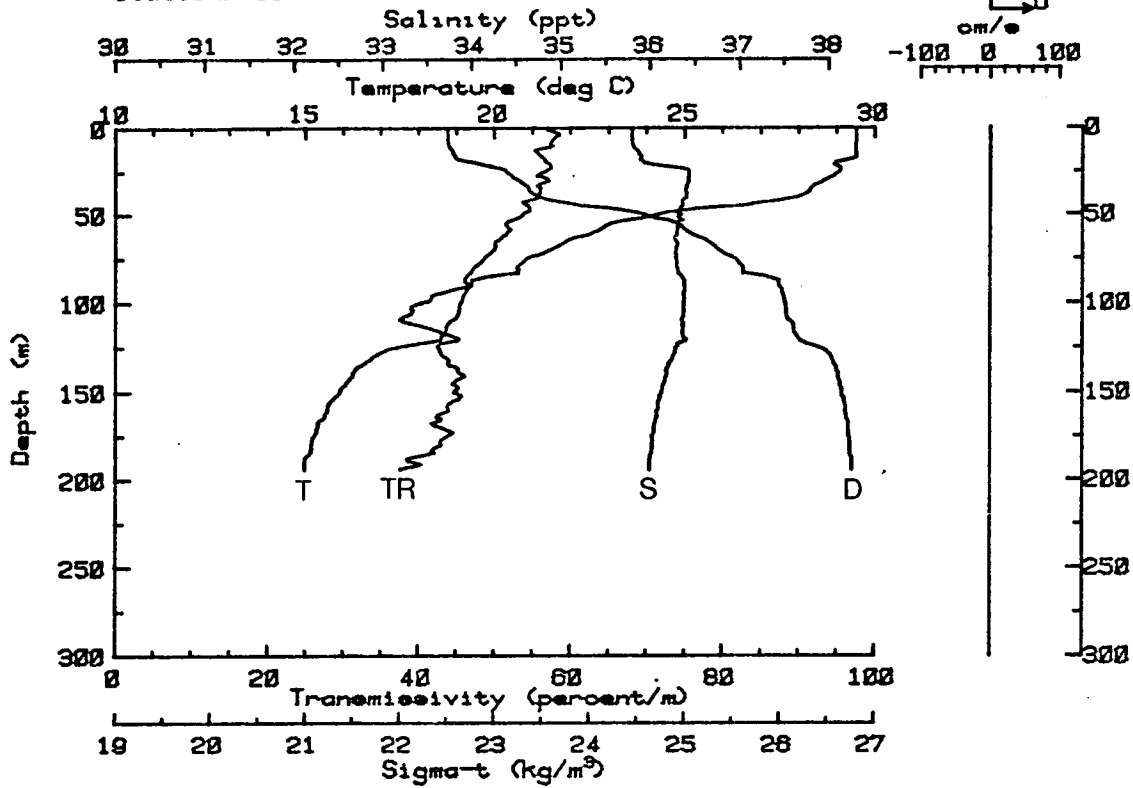
Cruises 81-NS-1
Ships NORTH SEAL
Stations 17

Year Day Hr Min
1981: 197: 7 : 12
LAT 27 52.33N
LON 93 31.83W



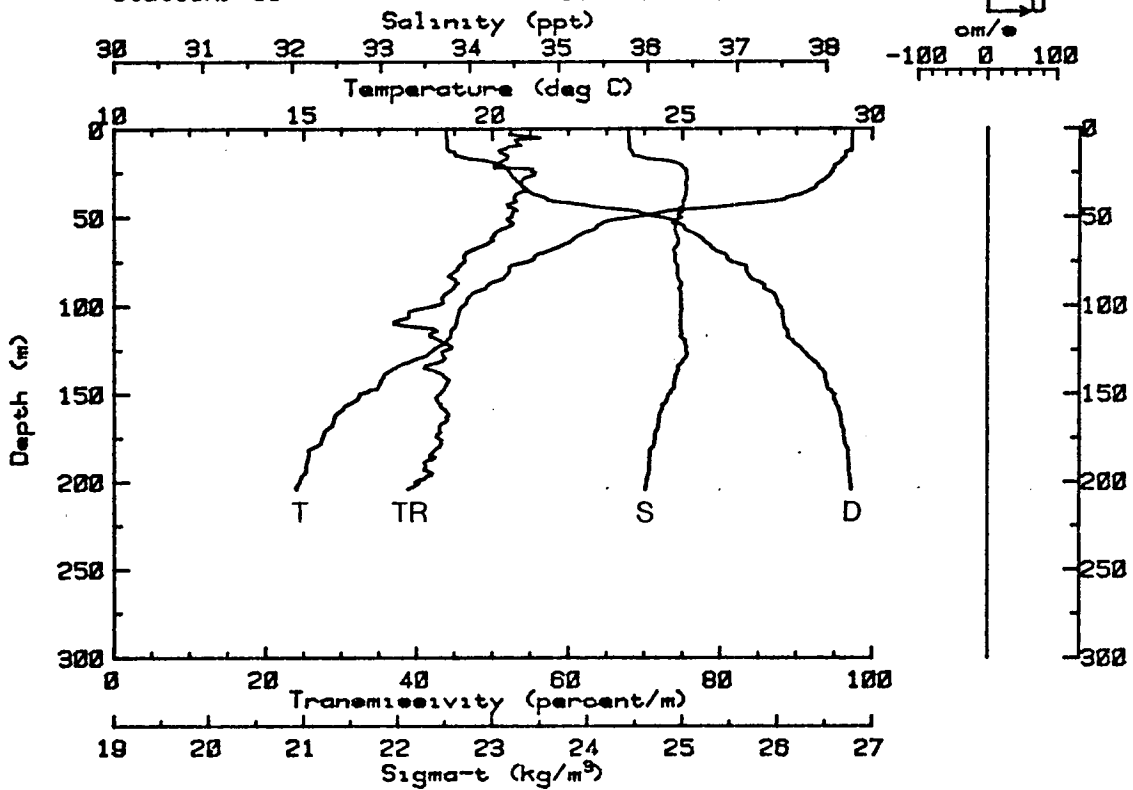
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 18

Year Day Hr Min
1981: 197: 8 : 8
LAT 27 49.73N
LON 93 30.94W



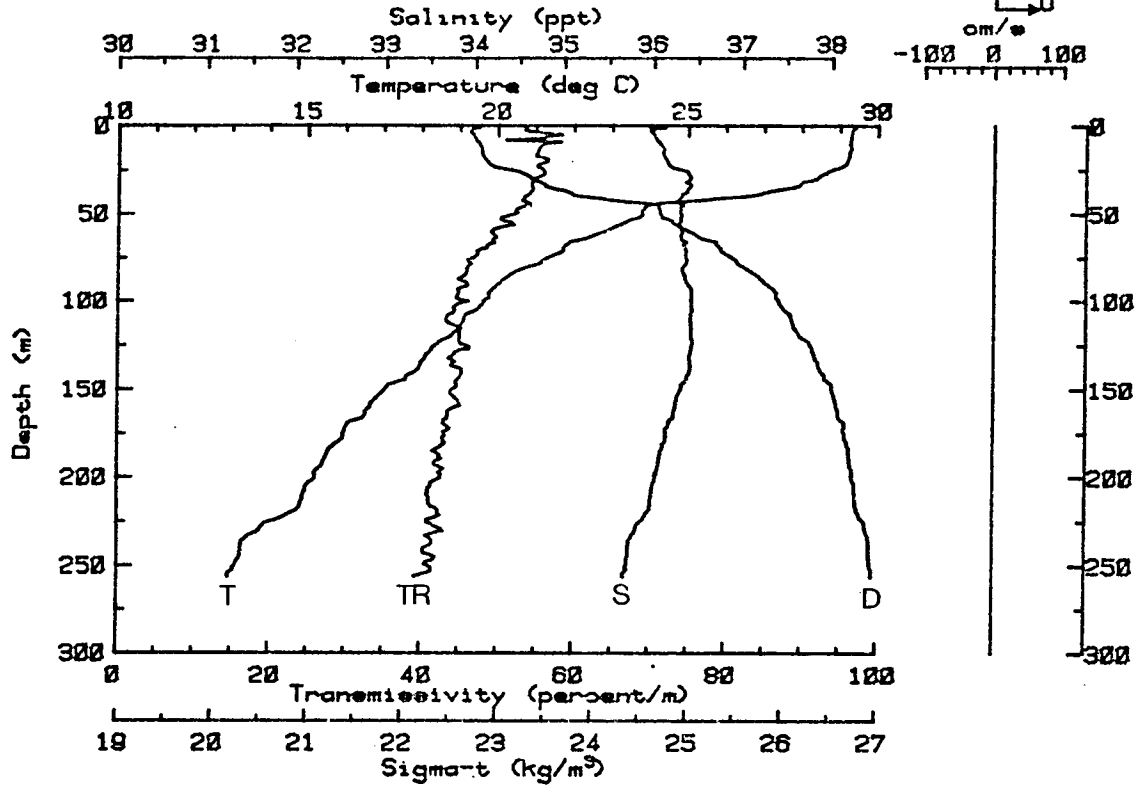
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 19

Year Day Hr Min
1981: 197: 8 : 58
LAT 27 48.18N
LON 93 29.75W



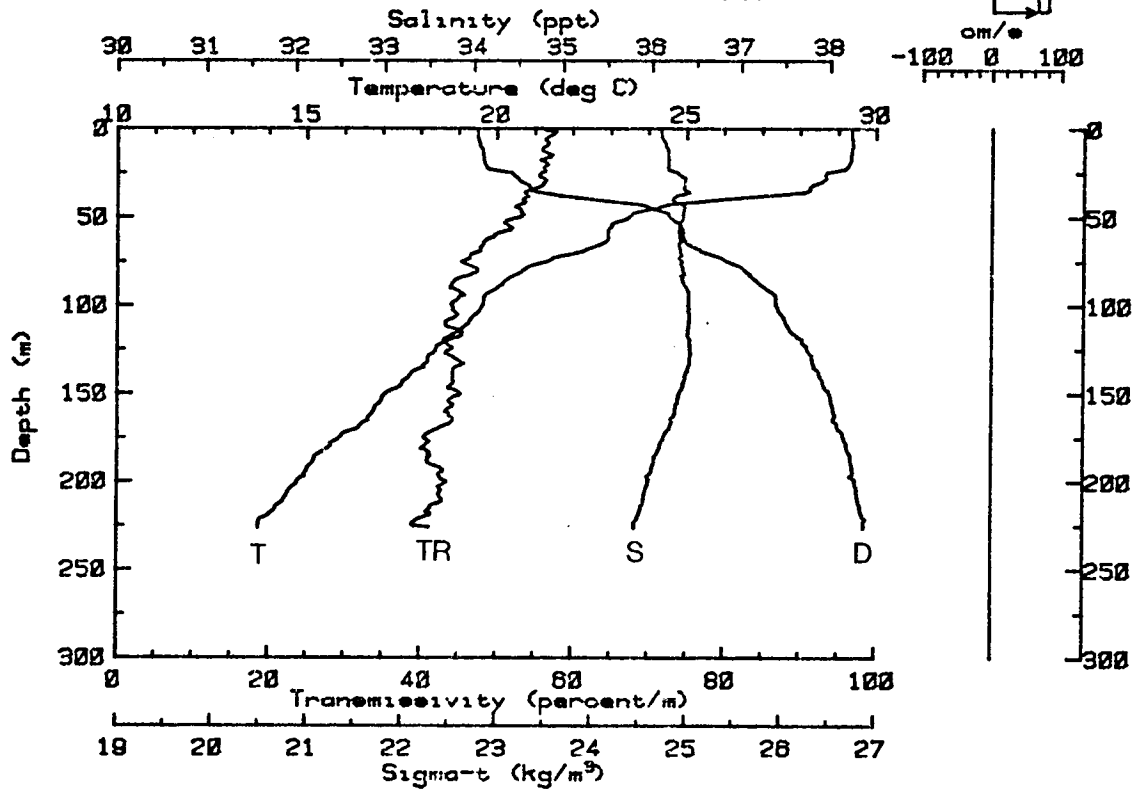
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 20

Year Day Hr Min
1981: 197: 10: 35
LAT 27 44.26N
LON 93 34.85W



Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 21

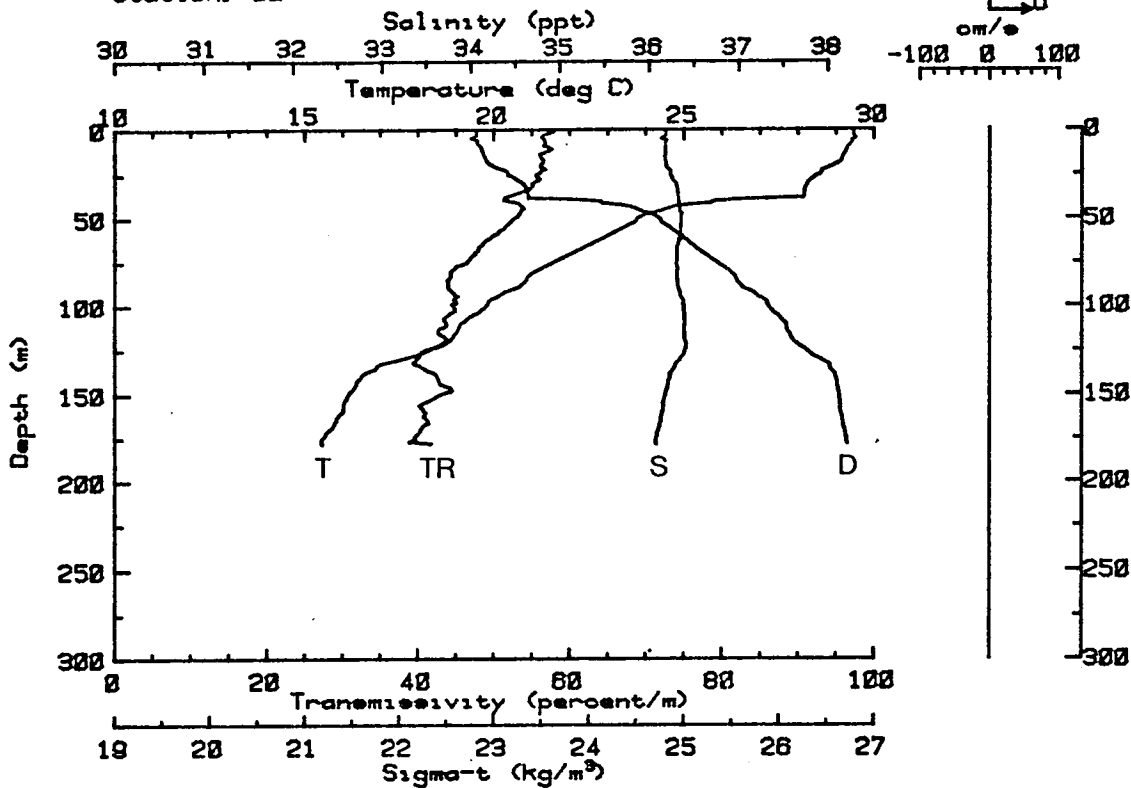
Year Day Hr Min
1981: 197: 11: 40
LAT 27 45.61N
LON 93 36.13W



372

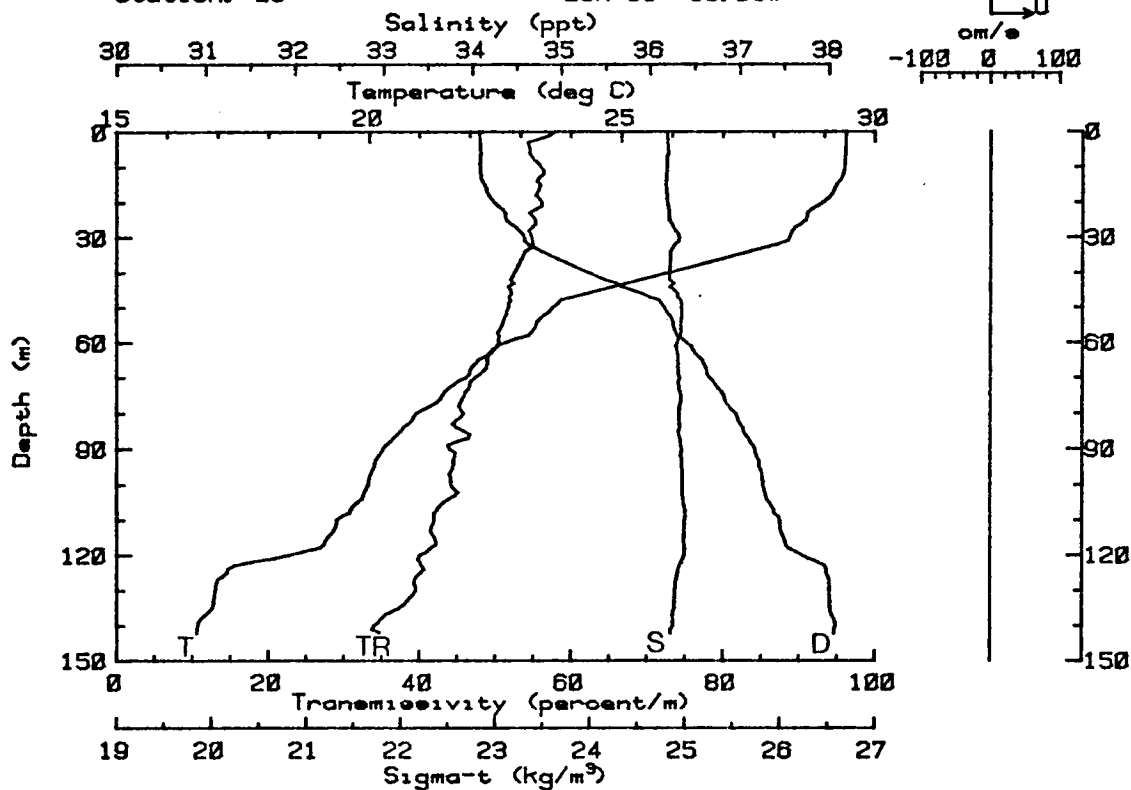
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 22

Year Day Hr Min
1981: 197: 12: 31
LAT 27 47.29N
LON 93 37.57W



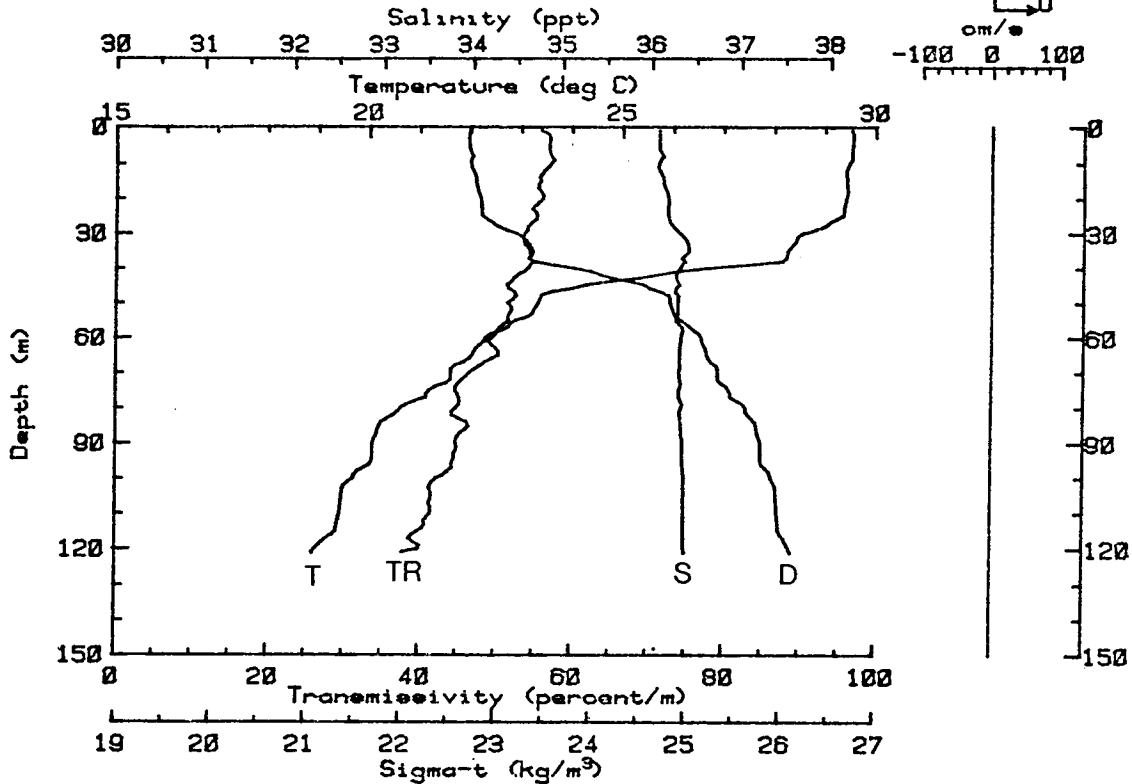
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 23

Year Day Hr Min
1981: 197: 13: 27
LAT 27 48.51N
LON 93 39.06W



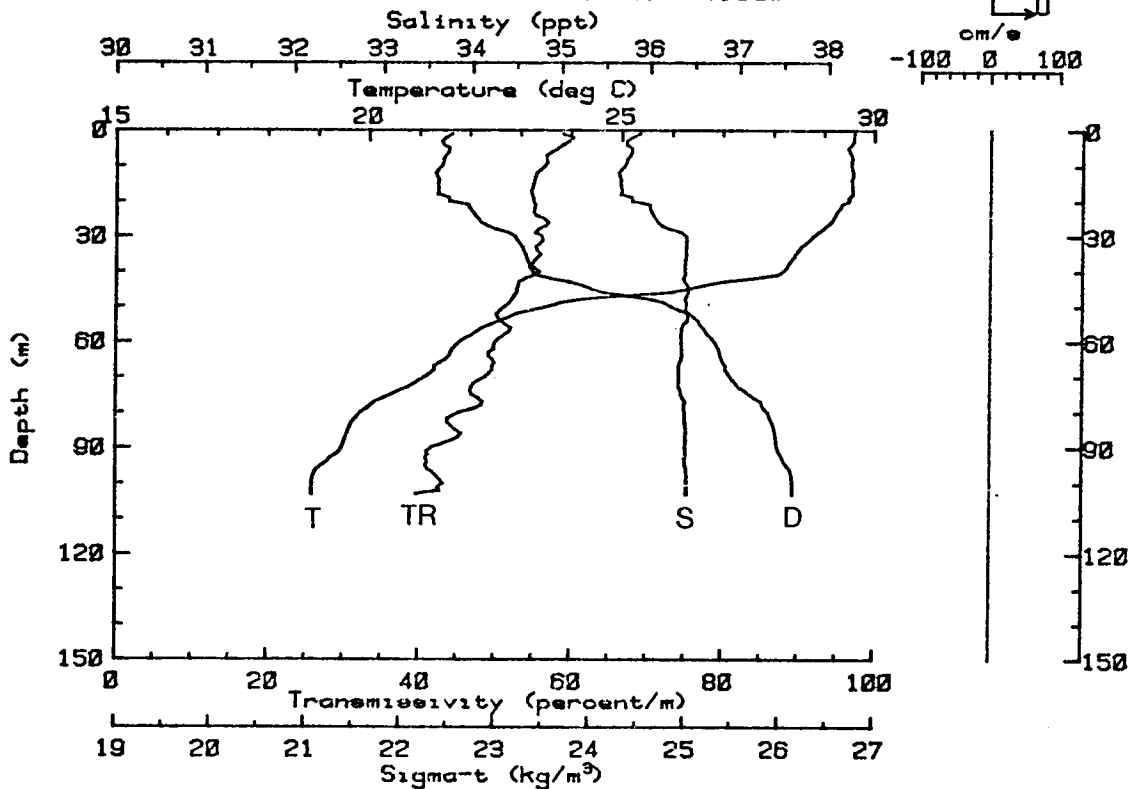
Cruise: 81-NS-1
 Ship: NORTH SEAL
 Station: 24

Year Day Hr Min
 1981: 197: 14: 14
 LAT 27 51.41N
 LON 93 41.91W



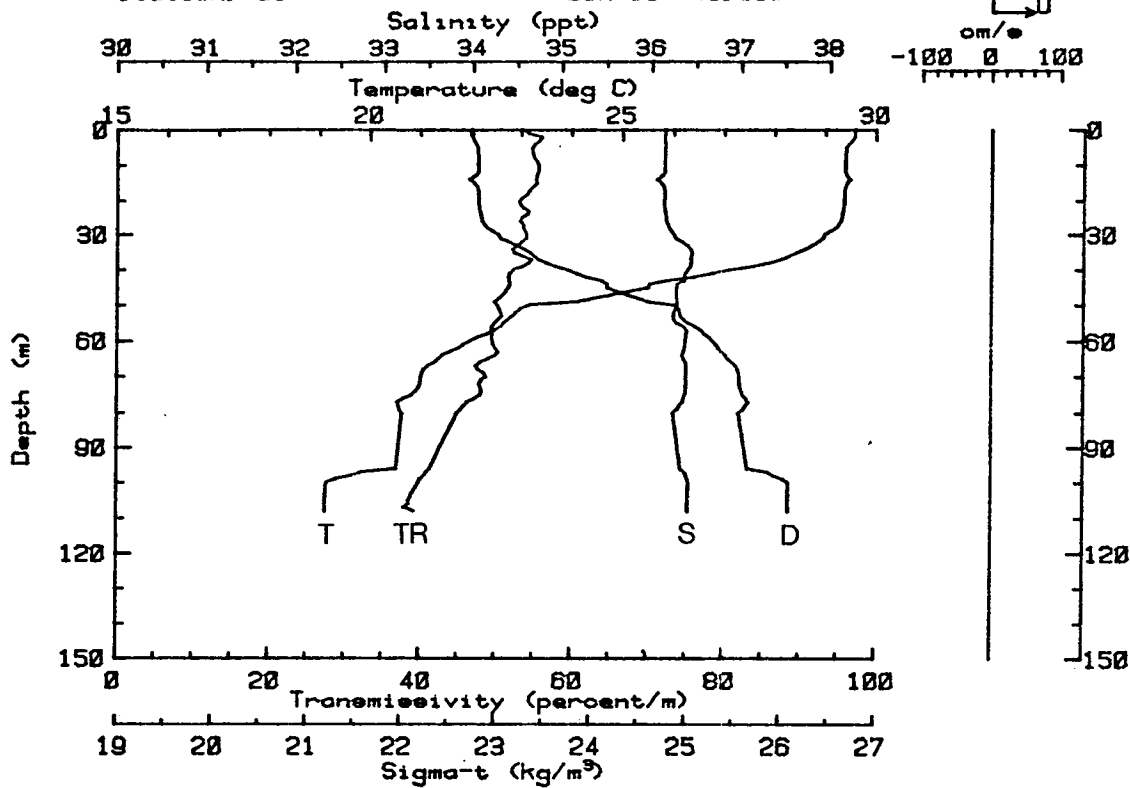
Cruise: 81-NS-1
 Ship: NORTH SEAL
 Station: 25

Year Day Hr Min
 1981: 197: 15: 14
 LAT 27 56.70N
 LON 93 47.02W



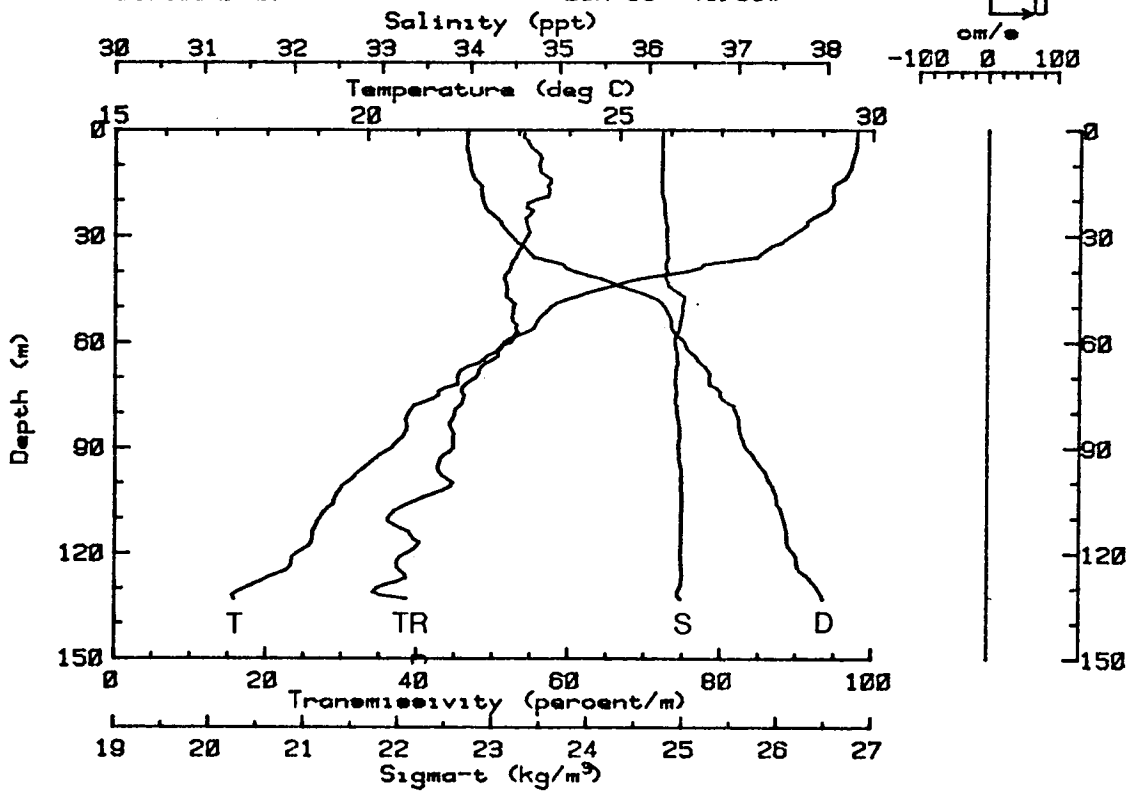
Cruise: 81-NS-1
 Ship: NORTH SEAL
 Stations: 26

Year Day Hr Min
 1981: 197: 15: 52
 LAT 27 54.41N
 LON 93 46.98W



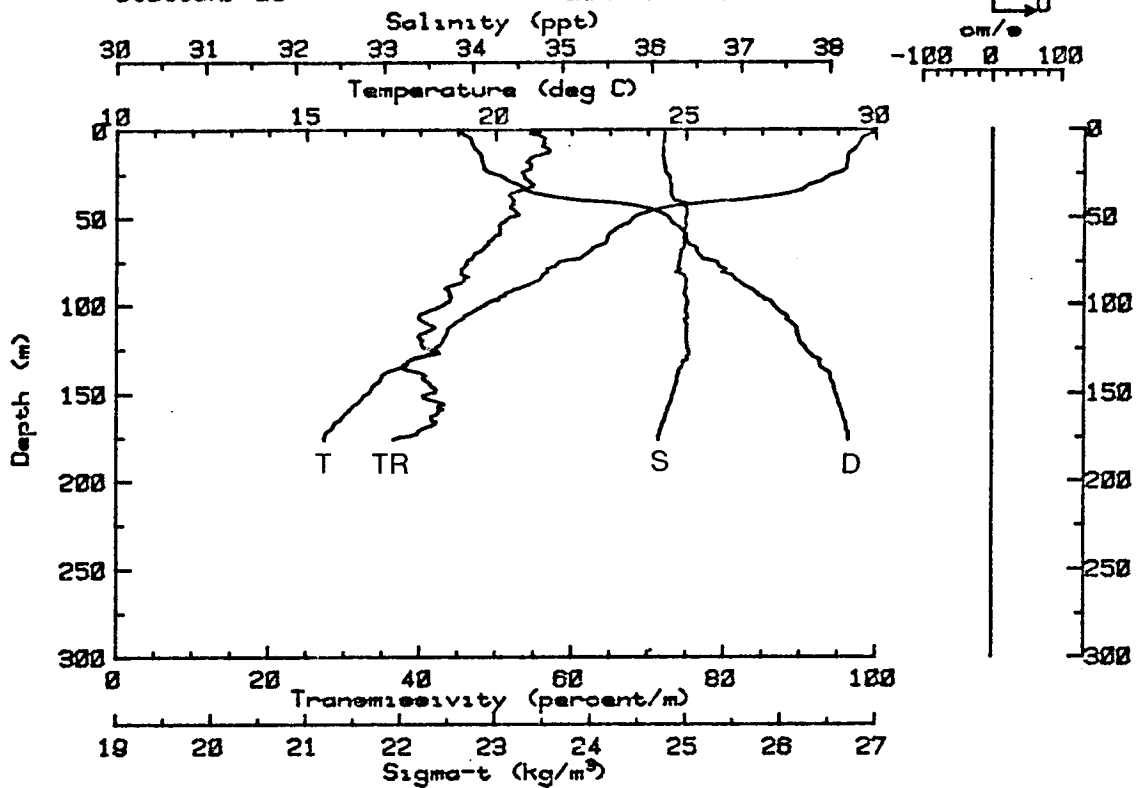
Cruise: 81-NS-1
 Ship: NORTH SEAL
 Stations: 27

Year Day Hr Min
 1981: 197: 16: 52
 LAT 27 50.68N
 LON 93 46.93W



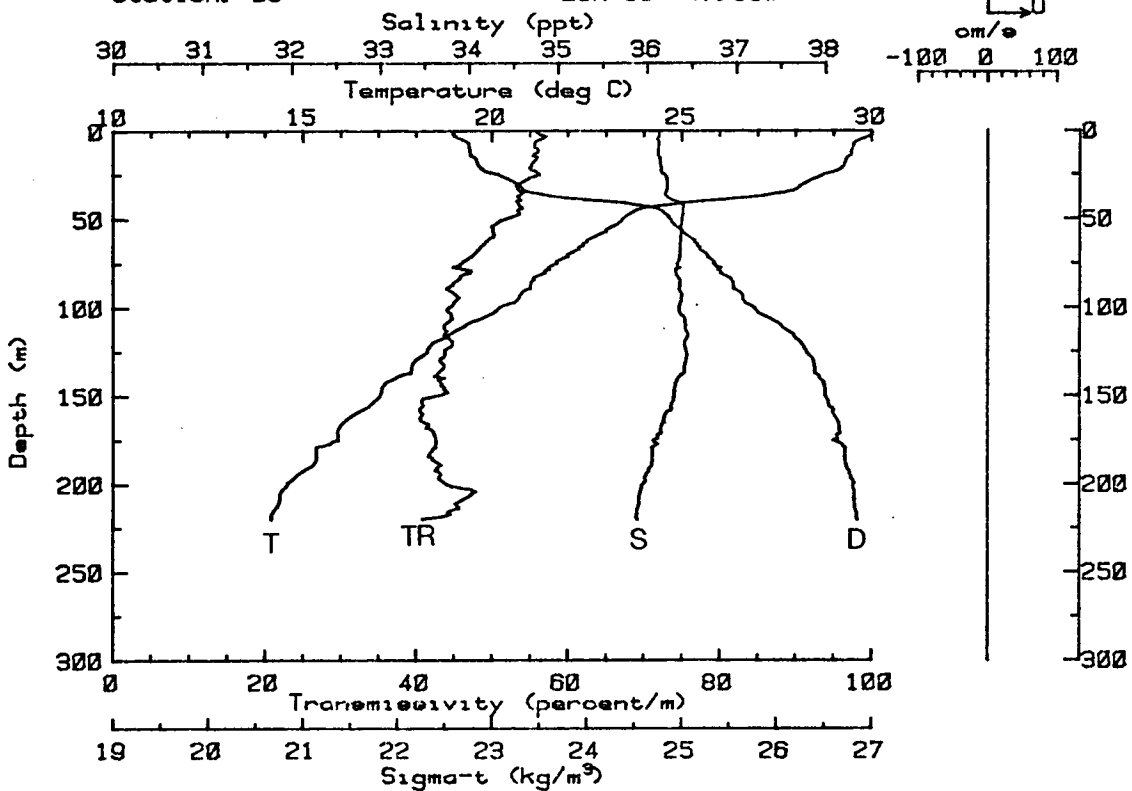
Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 28

Year Day Hr Min
1981: 197: 17: 29
LAT 27 48.89N
LON 93 47.21W



Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 29

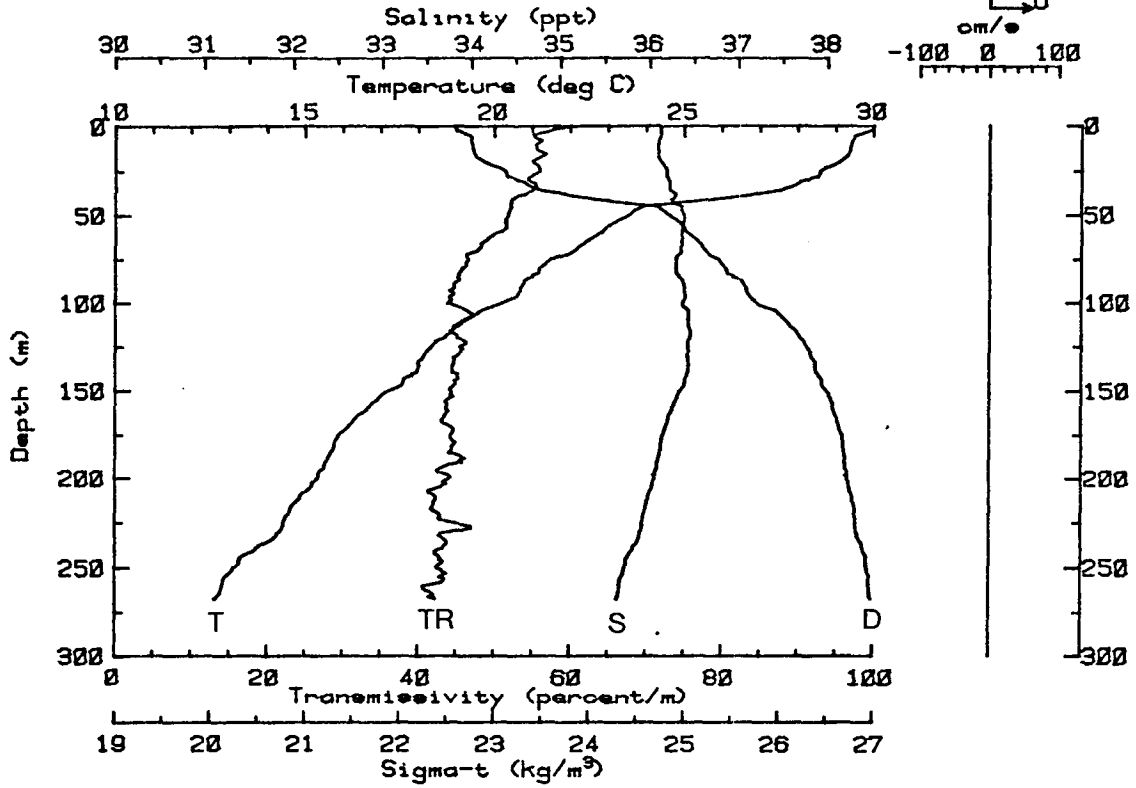
Year Day Hr Min
1981: 197: 18: 13
LAT 27 47.85N
LON 93 47.11W



376

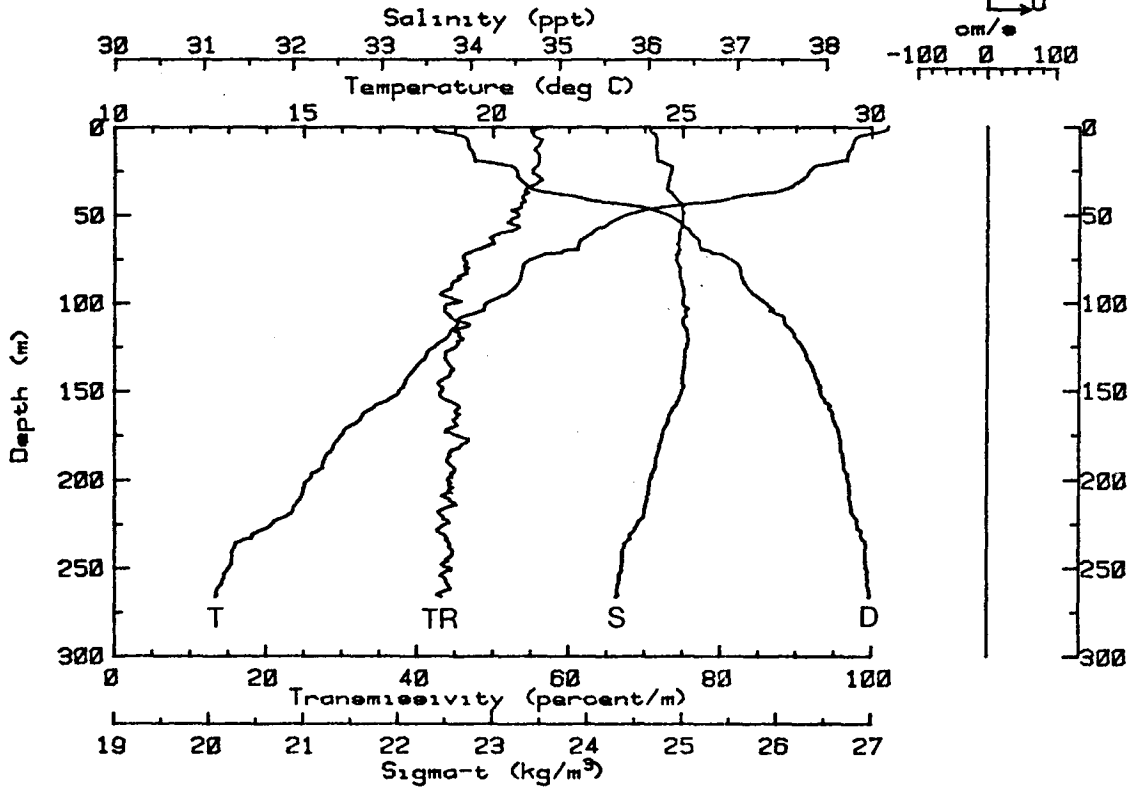
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 30

Year Day Hr Min
1981: 197: 19: 1
LAT 27 44.89N
LON 93 47.20W



Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 31

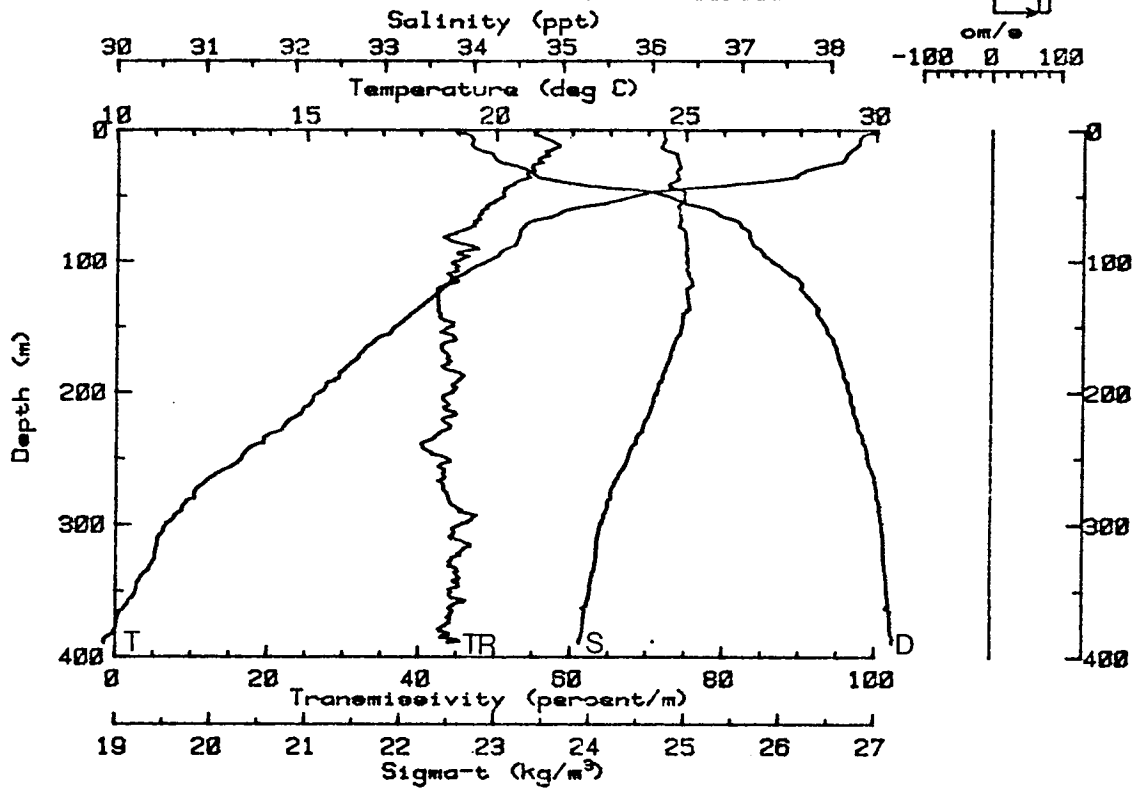
Year Day Hr Min
1981: 197: 19: 59
LAT 27 44.55N
LON 93 51.68W



377

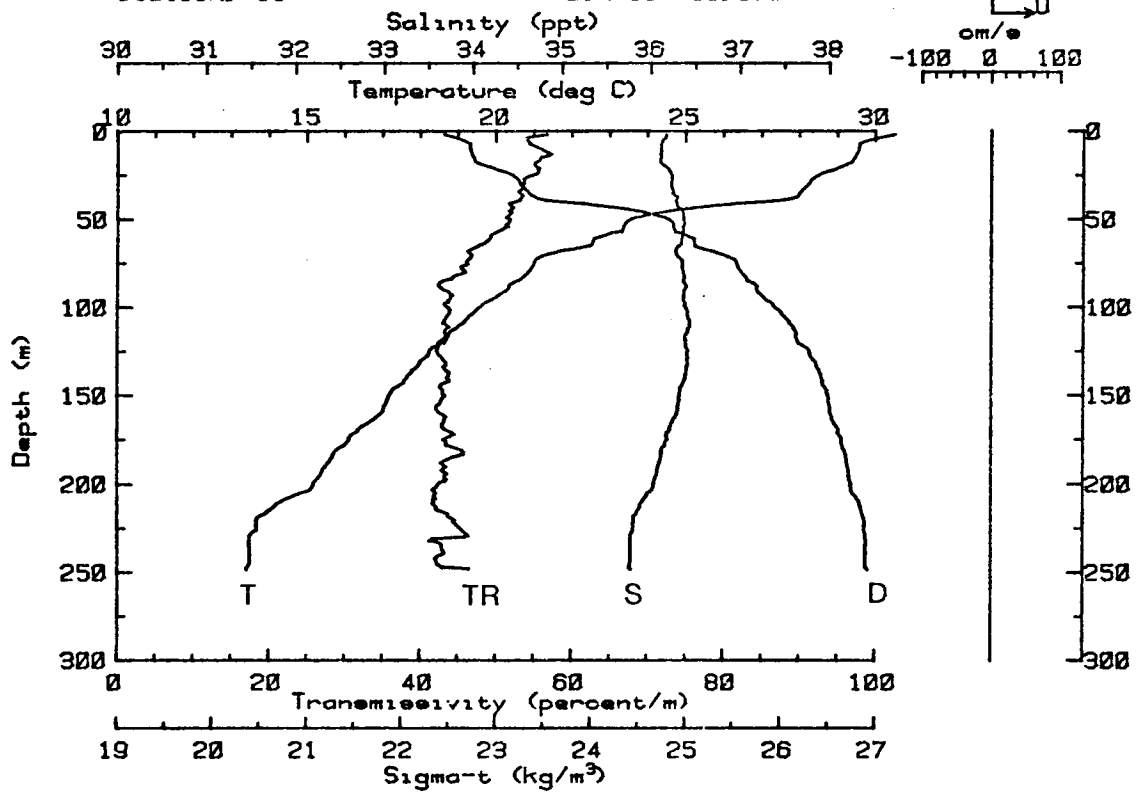
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 32

Year Day Hr Min
1981: 197: 20: 56
LAT 27 44.40N
LON 93 55.83W



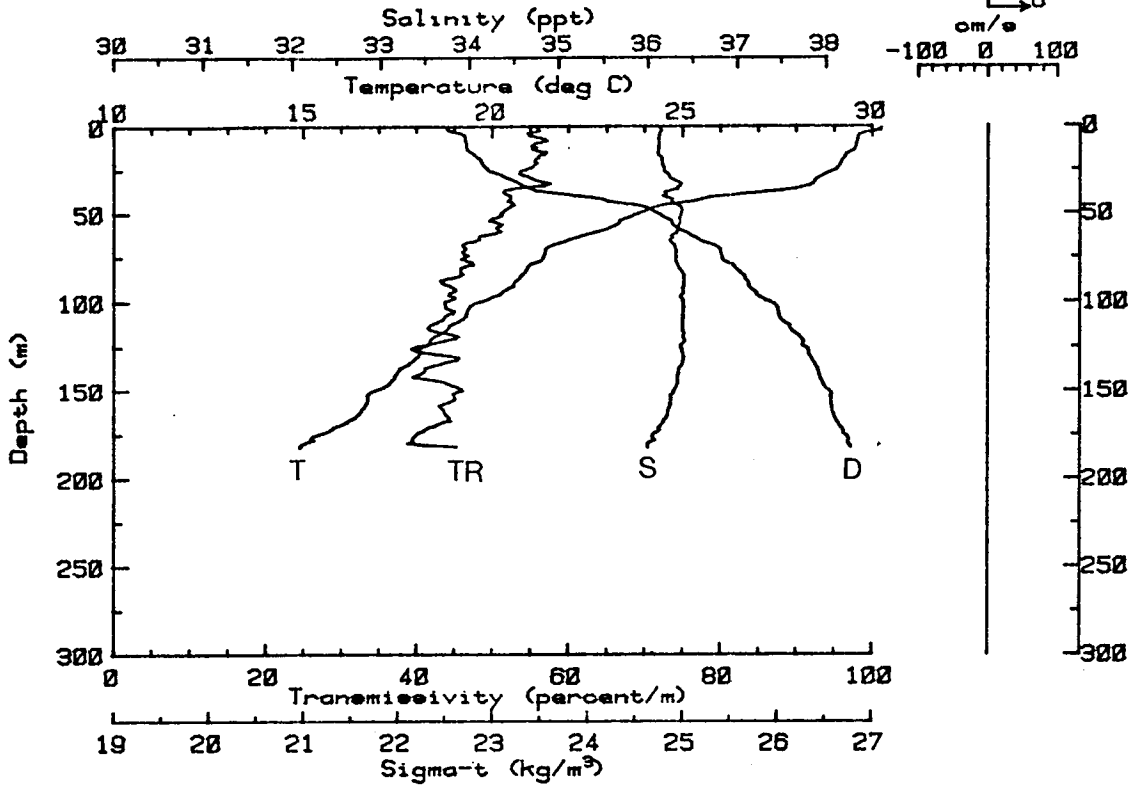
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 33

Year Day Hr Min
1981: 197: 21: 49
LAT 27 46.99N
LON 93 55.97W



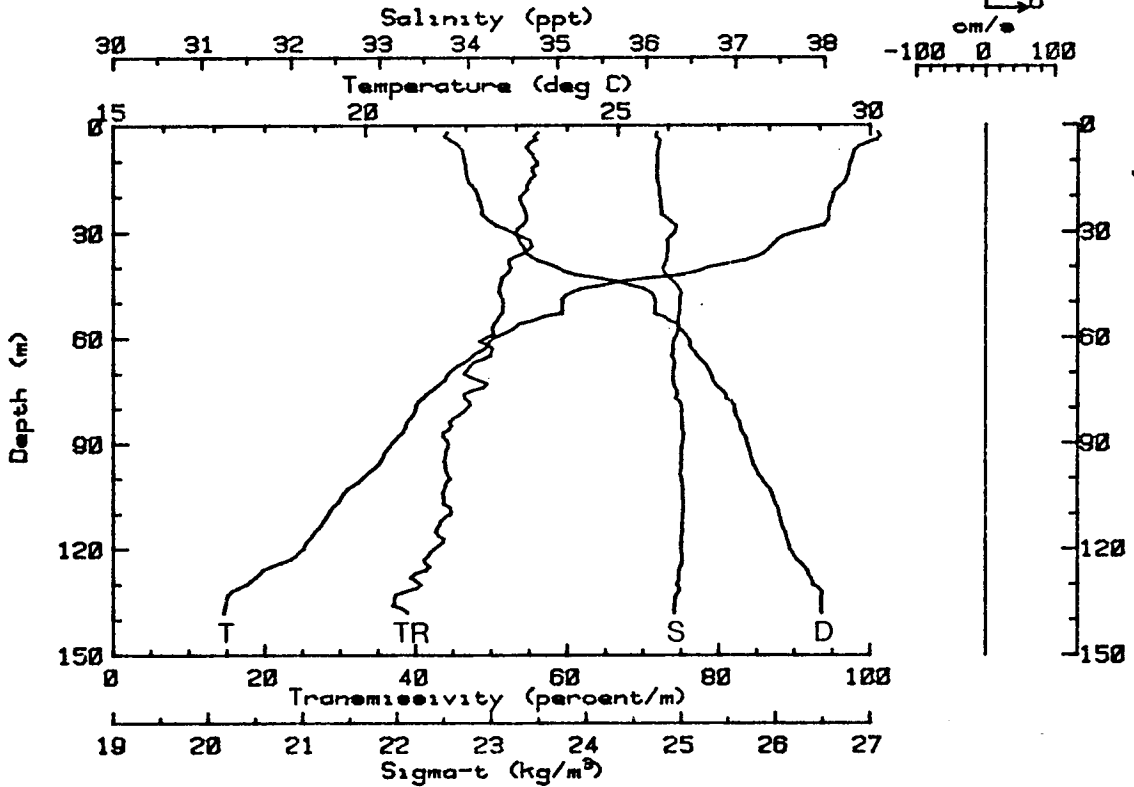
Cruise: 81-NS-1
 Ship: NORTH SEAL
 Station: 34

Year Day Hr Min
 1981: 197: 22: 27
 LAT 27 48.65N
 LON 93 55.96W



Cruise: 81-NS-1
 Ship: NORTH SEAL
 Station: 35

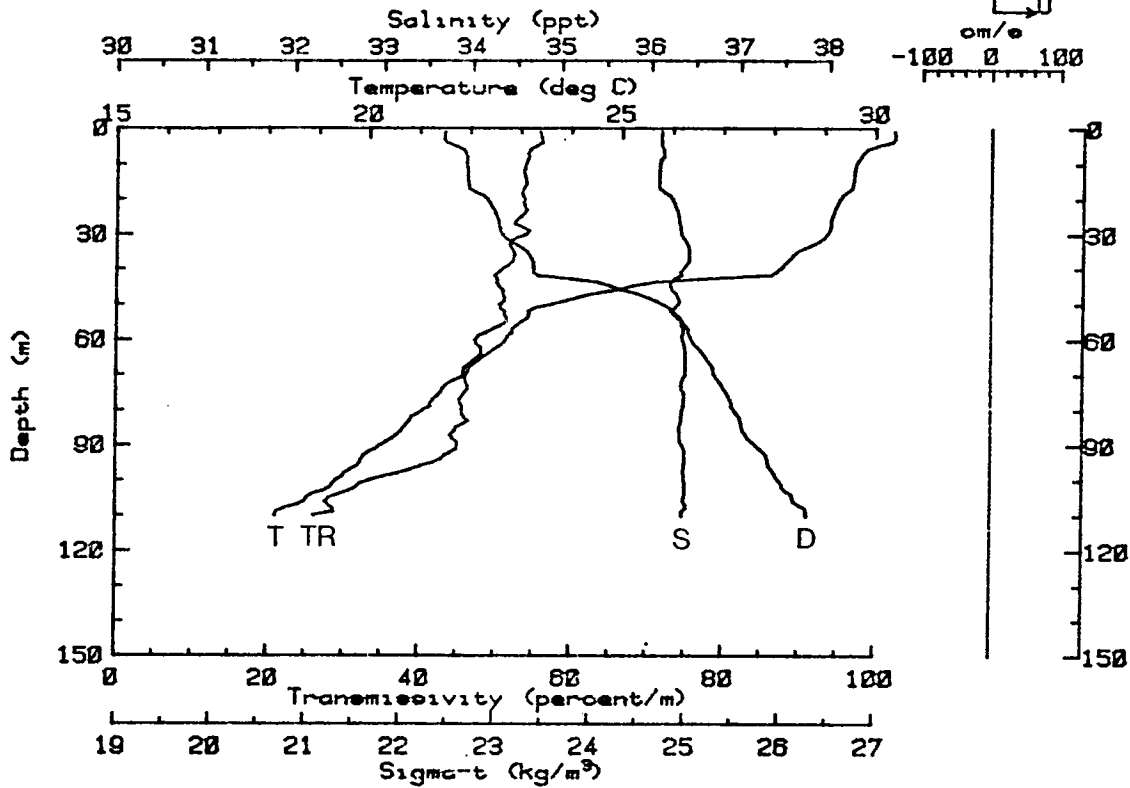
Year Day Hr Min
 1981: 197: 23: 8
 LAT 27 50.37N
 LON 93 56.11W



379

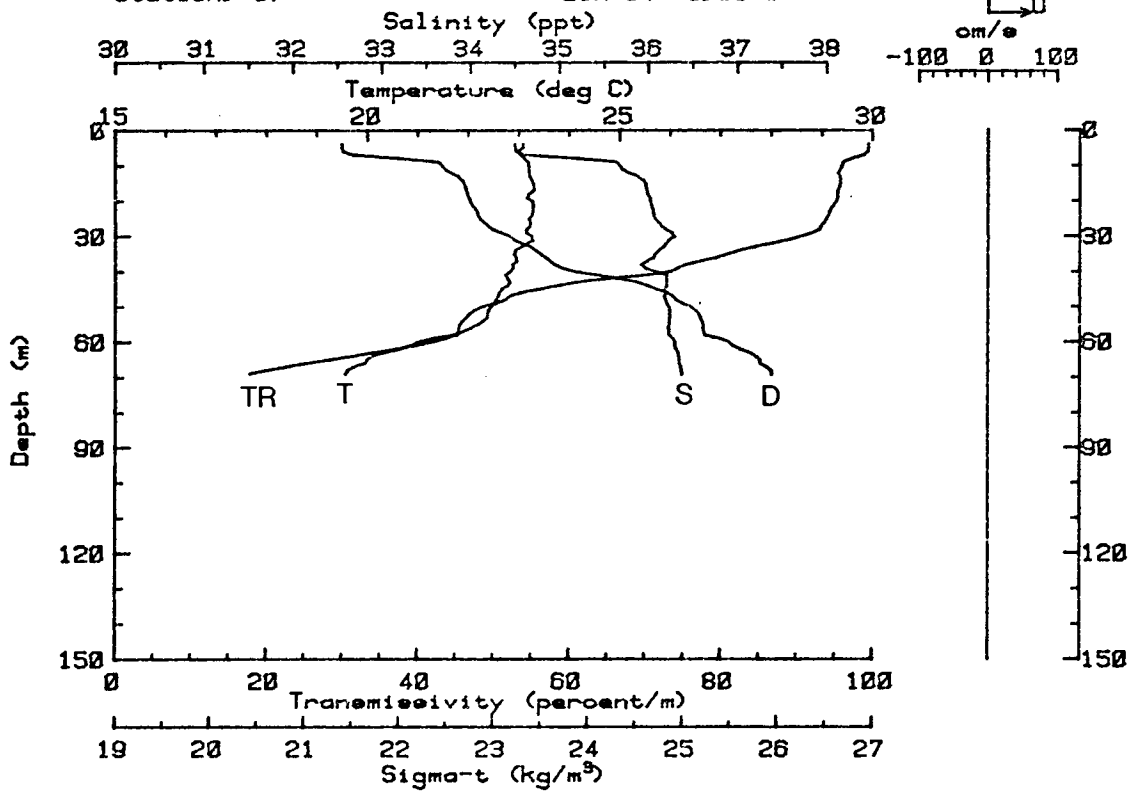
Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 36

Year Day Hr Min
1991: 197: 23: 46
LAT 27 52.98N
LON 93 56.24W



Cruise: 81-NS-1
Ship: NORTH SEAL
Station: 37

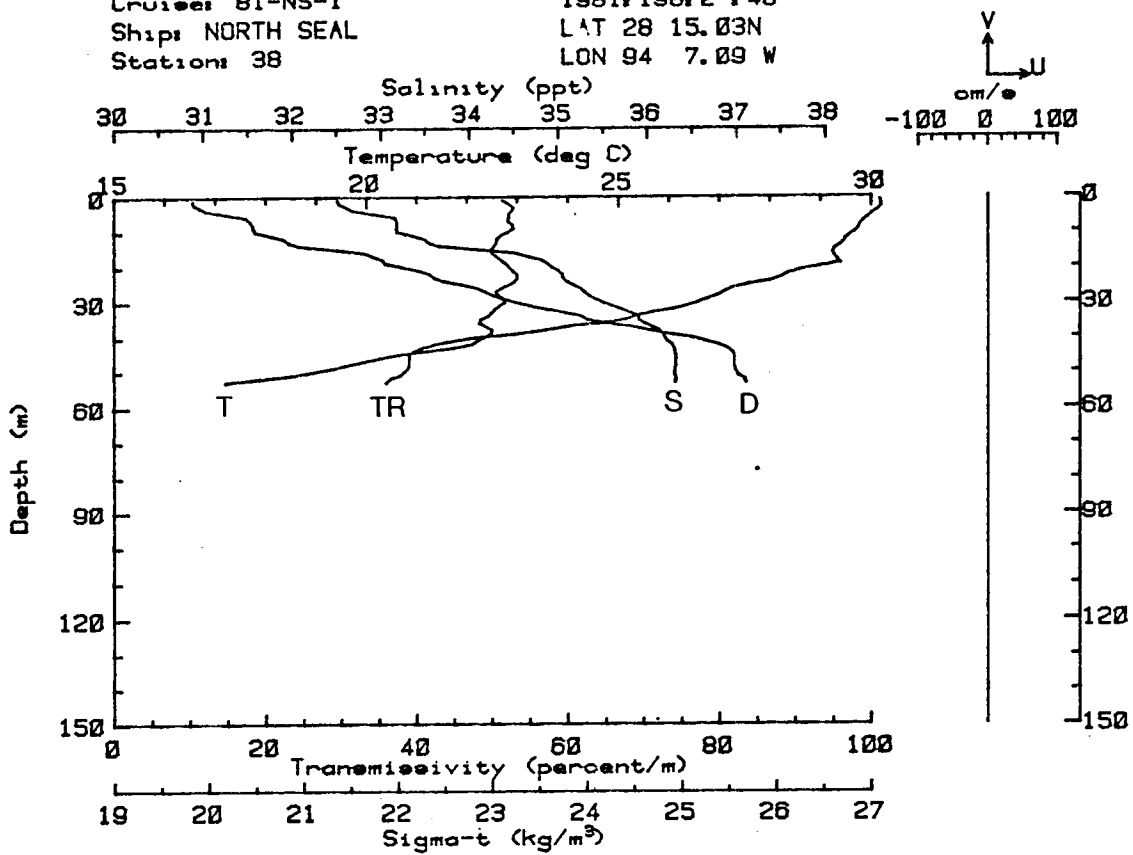
Year Day Hr Min
1991: 198: 1: 30
LAT 28 4.75 N
LON 94 1.98 W



380

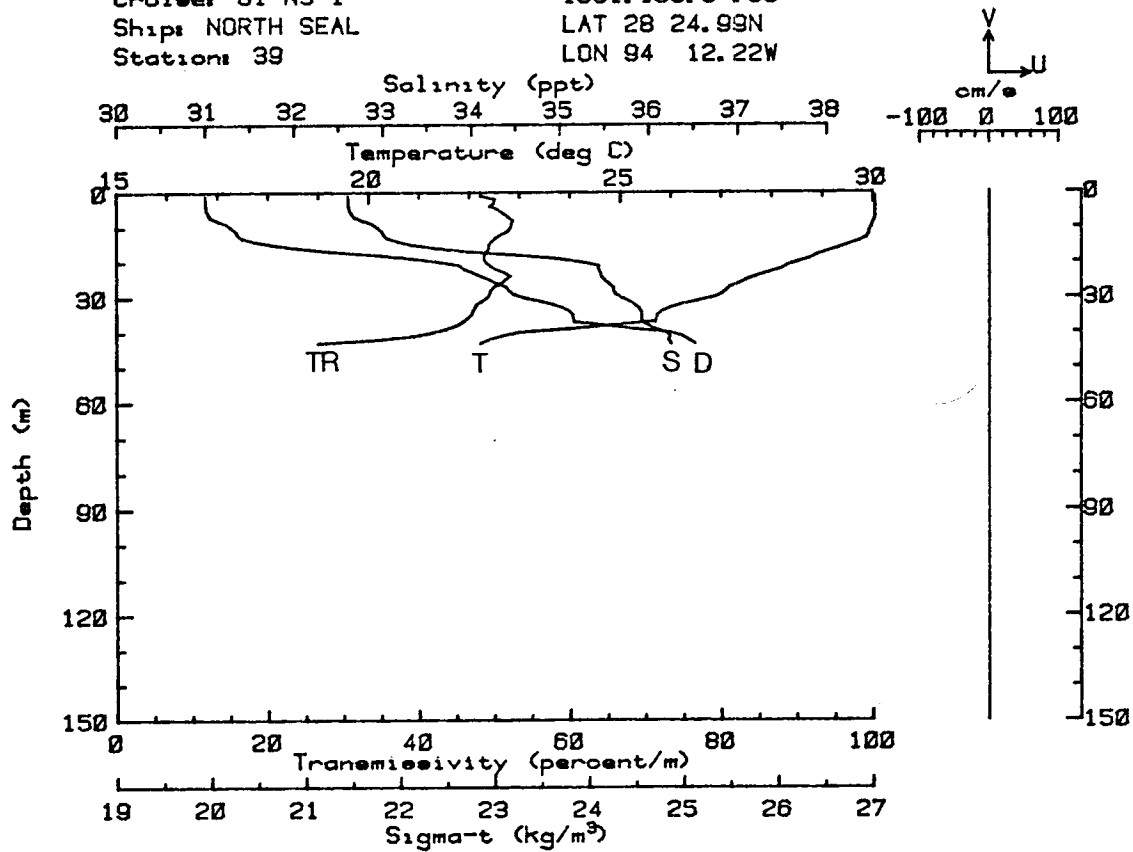
Cruises: 81-NS-1
Ships: NORTH SEAL
Stations: 38

Year Day Hr Min
1981: 198: 2 : 46
LAT 28 15.03N
LON 94 7.09 W



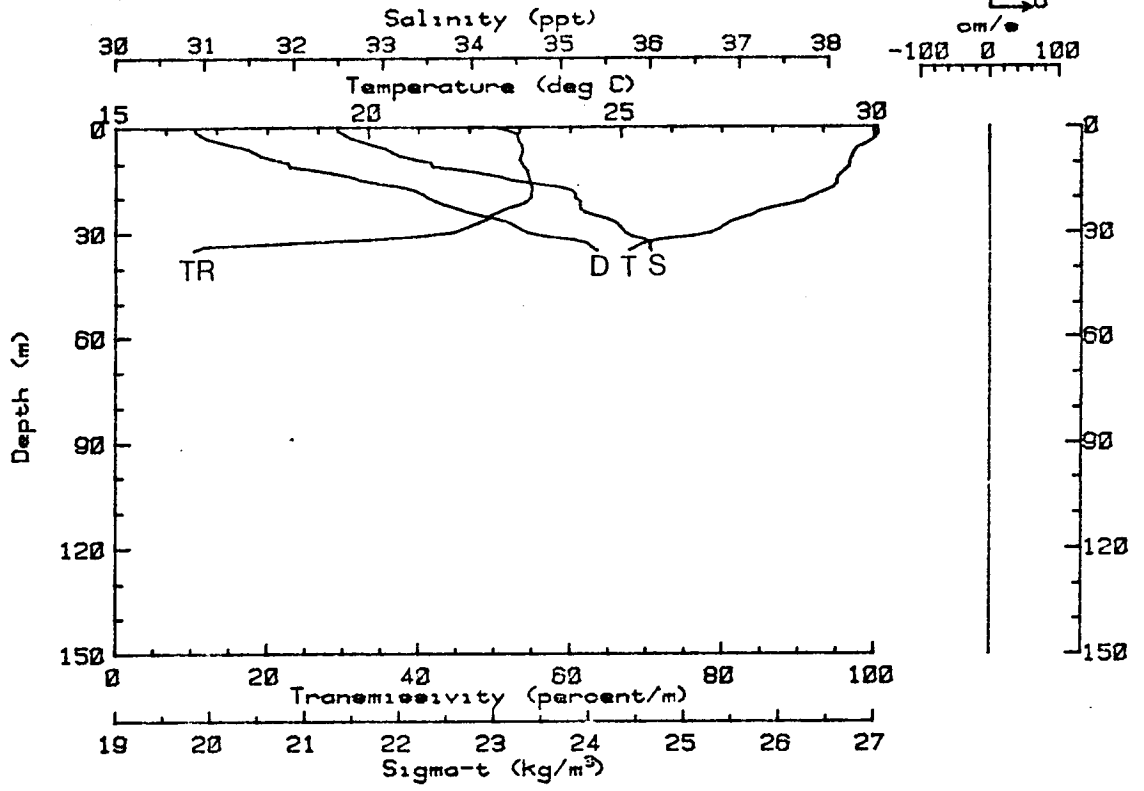
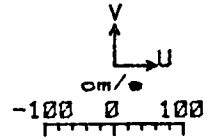
Cruises: 81-NS-1
Ships: NORTH SEAL
Stations: 39

Year Day Hr Min
1981: 198: 3 : 58
LAT 28 24.99N
LON 94 12.22W



Cruise: 81-NS-1
Ship: NORTH SEAL
Stations: 40

Year Day Hr Min
1981: 198: 4 : 55
LAT 28 32.71N
LON 94 15.80W



Station: C1
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 58.80 N
 Longitude 93 32.14 W
 Time: Year Day Hour Minute
 1981 196 18 38

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.582	35.701	22.415	52.0	0.0	0.0	0.0	0.0
2.0	29.599	35.711	22.416	52.0	0.0	0.0	0.0	0.0
3.0	29.603	35.679	22.391	52.3	0.0	0.0	0.0	0.0
4.0	29.540	35.694	22.424	51.9	0.0	0.0	0.0	0.0
5.0	29.461	35.692	22.449	51.9	0.0	0.0	0.0	0.0
6.0	29.423	35.693	22.466	51.9	0.0	0.0	0.0	0.0
7.0	29.417	35.708	22.476	51.5	0.0	0.0	0.0	0.0
8.0	29.415	35.712	22.480	51.2	0.0	0.0	0.0	0.0
9.0	29.414	35.716	22.483	50.9	0.0	0.0	0.0	0.0
10.0	29.407	35.720	22.483	50.8	0.0	0.0	0.0	0.0
11.0	29.400	35.724	22.494	51.0	0.0	0.0	0.0	0.0
12.0	29.397	35.726	22.493	51.4	0.0	0.0	0.0	0.0
13.0	29.390	35.731	22.502	51.6	0.0	0.0	0.0	0.0
14.0	29.384	35.731	22.504	51.3	0.0	0.0	0.0	0.0
15.0	29.376	35.732	22.508	51.0	0.0	0.0	0.0	0.0
16.0	29.350	35.736	22.521	50.9	0.0	0.0	0.0	0.0
17.0	29.315	35.734	22.530	50.7	0.0	0.0	0.0	0.0
18.0	29.275	35.733	22.543	50.8	0.0	0.0	0.0	0.0
19.0	29.203	35.762	22.589	51.4	0.0	0.0	0.0	0.0
20.0	29.144	35.833	22.665	51.3	0.0	0.0	0.0	0.0
21.0	29.105	35.945	22.759	51.7	0.0	0.0	0.0	0.0
22.0	29.023	36.020	22.843	51.7	0.0	0.0	0.0	0.0
23.0	28.928	36.053	22.900	51.6	0.0	0.0	0.0	0.0
24.0	28.819	36.043	22.932	51.9	0.0	0.0	0.0	0.0
25.0	28.606	35.977	22.950	51.6	0.0	0.0	0.0	0.0
26.0	28.358	35.956	23.017	51.2	0.0	0.0	0.0	0.0
27.0	28.163	35.977	23.096	50.6	0.0	0.0	0.0	0.0
28.0	27.974	36.031	23.200	50.6	0.0	0.0	0.0	0.0
29.0	27.825	36.051	23.263	50.6	0.0	0.0	0.0	0.0
30.0	27.659	36.060	23.324	50.7	0.0	0.0	0.0	0.0
31.0	27.354	36.065	23.427	50.4	0.0	0.0	0.0	0.0
32.0	27.004	36.069	23.542	50.6	0.0	0.0	0.0	0.0
33.0	26.858	36.062	23.584	50.7	0.0	0.0	0.0	0.0
34.0	26.770	36.059	23.609	50.4	0.0	0.0	0.0	0.0
35.0	26.662	36.099	23.674	50.2	0.0	0.0	0.0	0.0
36.0	26.570	36.100	23.704	50.3	0.0	0.0	0.0	0.0
37.0	26.272	36.101	23.799	50.1	0.0	0.0	0.0	0.0
38.0	26.004	36.102	23.884	50.0	0.0	0.0	0.0	0.0
39.0	25.597	36.103	24.011	49.9	0.0	0.0	0.0	0.0
40.0	25.186	36.103	24.138	49.7	0.0	0.0	0.0	0.0
41.0	24.820	36.104	24.250	49.4	0.0	0.0	0.0	0.0
42.0	24.592	36.104	24.319	49.4	0.0	0.0	0.0	0.0
43.0	24.472	36.105	24.356	49.4	0.0	0.0	0.0	0.0
44.0	24.344	36.105	24.395	49.5	0.0	0.0	0.0	0.0
45.0	24.219	36.107	24.434	49.5	0.0	0.0	0.0	0.0
46.0	23.849	36.107	24.544	49.1	0.0	0.0	0.0	0.0
47.0	23.548	36.109	24.634	48.4	0.0	0.0	0.0	0.0
48.0	23.475	36.111	24.657	48.3	0.0	0.0	0.0	0.0
49.0	23.422	36.120	24.679	48.5	0.0	0.0	0.0	0.0
50.0	23.377	36.130	24.700	48.3	0.0	0.0	0.0	0.0
51.0	23.343	36.176	24.745	48.6	0.0	0.0	0.0	0.0
52.0	23.306	36.171	24.752	48.0	0.0	0.0	0.0	0.0
53.0	23.239	36.182	24.780	47.7	0.0	0.0	0.0	0.0
54.0	23.169	36.210	24.821	47.5	0.0	0.0	0.0	0.0
55.0	22.895	36.237	24.921	47.1	0.0	0.0	0.0	0.0
56.0	22.494	36.264	25.056	46.3	0.0	0.0	0.0	0.0
57.0	22.193	36.261	25.140	46.5	0.0	0.0	0.0	0.0
58.0	22.046	36.260	25.181	46.3	0.0	0.0	0.0	0.0
59.0	22.009	36.264	25.194	46.1	0.0	0.0	0.0	0.0
60.0	21.949	36.270	25.216	46.0	0.0	0.0	0.0	0.0

Station: C1
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 58.80 N
 Longitude 93 32.14 W
 Time: Year Day Hour Minute
 1981 196 18 38

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	21.831	36.257	25.282	45.7	0.0	0.0	0.0	0.0
62.0	21.573	36.267	25.319	45.4	0.0	0.0	0.0	0.0
63.0	21.330	36.280	25.395	45.4	0.0	0.0	0.0	0.0
64.0	21.198	36.283	25.434	45.5	0.0	0.0	0.0	0.0
65.0	21.120	36.279	25.458	45.6	0.0	0.0	0.0	0.0
66.0	20.998	36.276	25.483	45.5	0.0	0.0	0.0	0.0
67.0	20.875	36.282	25.528	45.3	0.0	0.0	0.0	0.0
68.0	20.768	36.297	25.562	45.1	0.0	0.0	0.0	0.0
69.0	20.592	36.303	25.614	44.9	0.0	0.0	0.0	0.0
70.0	20.460	36.312	25.657	44.5	0.0	0.0	0.0	0.0
71.0	20.325	36.317	25.681	44.1	0.0	0.0	0.0	0.0
72.0	20.279	36.327	25.717	43.9	0.0	0.0	0.0	0.0
73.0	20.201	36.337	25.745	43.8	0.0	0.0	0.0	0.0
74.0	20.135	36.337	25.763	43.7	0.0	0.0	0.0	0.0
75.0	20.063	36.342	25.792	43.5	0.0	0.0	0.0	0.0
76.0	20.025	36.356	25.806	43.2	0.0	0.0	0.0	0.0
77.0	19.985	36.358	25.819	42.7	0.0	0.0	0.0	0.0
78.0	19.940	36.355	25.829	42.4	0.0	0.0	0.0	0.0
79.0	19.881	36.356	25.845	42.0	0.0	0.0	0.0	0.0
80.0	19.837	36.360	25.859	41.4	0.0	0.0	0.0	0.0
81.0	19.810	36.359	25.866	40.7	0.0	0.0	0.0	0.0
82.0	19.789	36.360	25.872	40.3	0.0	0.0	0.0	0.0
83.0	19.746	36.359	25.883	40.2	0.0	0.0	0.0	0.0
84.0	19.678	36.370	25.909	39.3	0.0	0.0	0.0	0.0
85.0	19.553	36.380	25.942	39.5	0.0	0.0	0.0	0.0
86.0	19.445	36.372	25.972	38.9	0.0	0.0	0.0	0.0
87.0	19.410	36.370	25.979	38.2	0.0	0.0	0.0	0.0
88.0	19.381	36.374	25.990	37.4	0.0	0.0	0.0	0.0
89.0	19.324	36.378	26.008	36.1	0.0	0.0	0.0	0.0
90.0	19.252	36.385	26.032	34.6	0.0	0.0	0.0	0.0
91.0	19.214	36.380	26.038	33.6	0.0	0.0	0.0	0.0
92.0	19.191	36.370	26.036	32.9	0.0	0.0	0.0	0.0
93.0	19.180	36.371	26.040	32.4	0.0	0.0	0.0	0.0
94.0	19.174	36.369	26.039	32.1	0.0	0.0	0.0	0.0
95.0	19.167	36.369	26.042	31.5	0.0	0.0	0.0	0.0
96.0	19.159	36.367	26.042	30.3	0.0	0.0	0.0	0.0
97.0	19.152	36.369	26.045	29.1	0.0	0.0	0.0	0.0
98.0	19.140	36.370	26.049	28.5	0.0	0.0	0.0	0.0

Station: C2
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.80 N
 Longitude 93 37.17 W
 Time: Year Day Hour Minute
 1981 196 16 50

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	29.636	35.757	22.438	57.0	0.0	0.0	0.0	0.0
1.0	29.584	35.720	22.428	56.1	0.0	0.0	0.0	0.0
2.0	29.496	35.731	22.504	55.6	0.0	0.0	0.0	0.0
3.0	29.384	35.819	22.571	55.5	0.0	0.0	0.0	0.0
4.0	29.314	35.836	22.607	55.4	0.0	0.0	0.0	0.0
5.0	29.235	35.816	22.588	55.1	0.0	0.0	0.0	0.0
6.0	29.148	35.819	22.583	54.9	0.0	0.0	0.0	0.0
7.0	29.054	35.845	22.600	54.7	0.0	0.0	0.0	0.0
8.0	29.043	35.856	22.612	54.7	0.0	0.0	0.0	0.0
9.0	29.027	35.859	22.620	54.8	0.0	0.0	0.0	0.0
10.0	29.026	35.858	22.639	55.2	0.0	0.0	0.0	0.0
11.0	29.159	35.855	22.673	55.4	0.0	0.0	0.0	0.0
12.0	29.049	35.851	22.707	55.3	0.0	0.0	0.0	0.0
13.0	29.075	35.858	22.737	55.1	0.0	0.0	0.0	0.0
14.0	29.003	35.872	22.772	54.9	0.0	0.0	0.0	0.0
15.0	29.054	35.864	22.797	54.8	0.0	0.0	0.0	0.0
16.0	29.024	35.891	22.813	54.7	0.0	0.0	0.0	0.0
17.0	29.079	35.915	22.849	54.4	0.0	0.0	0.0	0.0
18.0	29.014	36.107	22.945	54.2	0.0	0.0	0.0	0.0
19.0	29.069	36.349	23.075	54.0	0.0	0.0	0.0	0.0
20.0	29.016	36.366	23.105	53.9	0.0	0.0	0.0	0.0
21.0	29.035	36.399	23.157	54.0	0.0	0.0	0.0	0.0
22.0	29.007	36.403	23.169	54.0	0.0	0.0	0.0	0.0
23.0	29.099	36.406	23.175	54.0	0.0	0.0	0.0	0.0
24.0	29.099	36.407	23.175	54.2	0.0	0.0	0.0	0.0
25.0	29.079	36.409	23.184	54.4	0.0	0.0	0.0	0.0
26.0	29.037	36.413	23.200	54.4	0.0	0.0	0.0	0.0
27.0	29.073	36.408	23.229	54.7	0.0	0.0	0.0	0.0
28.0	29.064	36.412	23.258	54.5	0.0	0.0	0.0	0.0
29.0	29.028	36.410	23.268	54.1	0.0	0.0	0.0	0.0
30.0	29.007	36.412	23.276	53.9	0.0	0.0	0.0	0.0
31.0	29.058	36.411	23.283	53.8	0.0	0.0	0.0	0.0
32.0	29.055	36.411	23.294	53.5	0.0	0.0	0.0	0.0
33.0	29.046	36.404	23.316	53.4	0.0	0.0	0.0	0.0
34.0	29.304	36.408	23.374	53.4	0.0	0.0	0.0	0.0
35.0	29.191	36.420	23.420	53.3	0.0	0.0	0.0	0.0
36.0	29.116	36.428	23.451	53.2	0.0	0.0	0.0	0.0
37.0	29.049	36.426	23.472	52.9	0.0	0.0	0.0	0.0
38.0	29.087	36.421	23.489	52.8	0.0	0.0	0.0	0.0
39.0	29.038	36.424	23.507	52.9	0.0	0.0	0.0	0.0
40.0	29.018	36.431	23.518	52.7	0.0	0.0	0.0	0.0
41.0	29.208	36.446	23.760	52.5	0.0	0.0	0.0	0.0
42.0	29.030	36.427	23.899	52.1	0.0	0.0	0.0	0.0
43.0	29.038	36.389	23.901	51.9	0.0	0.0	0.0	0.0
44.0	29.044	36.390	23.931	51.9	0.0	0.0	0.0	0.0
45.0	29.373	36.370	23.970	51.8	0.0	0.0	0.0	0.0
46.0	29.038	36.370	24.107	51.6	0.0	0.0	0.0	0.0
47.0	29.062	36.353	24.272	51.3	0.0	0.0	0.0	0.0
48.0	29.059	36.370	24.409	51.2	0.0	0.0	0.0	0.0
49.0	29.830	36.353	24.435	51.0	0.0	0.0	0.0	0.0
50.0	29.070	36.330	24.436	50.6	0.0	0.0	0.0	0.0
51.0	29.086	36.315	24.451	50.2	0.0	0.0	0.0	0.0
52.0	29.003	36.315	24.476	50.0	0.0	0.0	0.0	0.0
53.0	29.275	36.340	24.593	50.0	0.0	0.0	0.0	0.0
54.0	29.889	36.348	24.714	49.4	0.0	0.0	0.0	0.0
55.0	29.660	36.309	24.753	49.0	0.0	0.0	0.0	0.0
56.0	29.466	36.307	24.808	49.0	0.0	0.0	0.0	0.0
57.0	29.386	36.287	24.817	49.1	0.0	0.0	0.0	0.0
58.0	29.287	36.266	24.829	49.0	0.0	0.0	0.0	0.0
59.0	29.143	36.248	24.857	48.6	0.0	0.0	0.0	0.0

Station: C2
 Cruise : 61-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.80 N
 Longitude 93 37.17 W
 Time: Year Day Hour Minute
 1981 196 16 50

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	23.103	36.260	24.878	48.3	0.0	0.0	0.0	0.0
61.0	22.566	36.272	25.042	48.1	0.0	0.0	0.0	0.0
62.0	22.193	36.299	25.169	47.9	0.0	0.0	0.0	0.0
63.0	22.105	36.301	25.195	47.7	0.0	0.0	0.0	0.0
64.0	21.891	36.291	25.248	47.5	0.0	0.0	0.0	0.0
65.0	21.565	36.297	25.344	47.4	0.0	0.0	0.0	0.0
66.0	21.332	36.354	25.452	47.5	0.0	0.0	0.0	0.0
67.0	21.139	36.347	25.499	47.6	0.0	0.0	0.0	0.0
68.0	21.050	36.310	25.495	47.1	0.0	0.0	0.0	0.0
69.0	20.813	36.345	25.587	45.9	0.0	0.0	0.0	0.0
70.0	20.440	36.373	25.709	44.7	0.0	0.0	0.0	0.0
71.0	20.221	36.368	25.764	43.8	0.0	0.0	0.0	0.0
72.0	20.105	36.341	25.774	43.0	0.0	0.0	0.0	0.0
73.0	19.982	36.386	25.841	42.4	0.0	0.0	0.0	0.0
74.0	19.864	36.391	25.876	42.0	0.0	0.0	0.0	0.0
75.0	19.754	36.370	25.889	41.4	0.0	0.0	0.0	0.0
76.0	19.645	36.356	25.907	40.7	0.0	0.0	0.0	0.0
77.0	19.461	36.351	25.952	40.0	0.0	0.0	0.0	0.0
78.0	19.342	36.388	26.010	39.2	0.0	0.0	0.0	0.0
79.0	19.259	36.388	26.032	38.4	0.0	0.0	0.0	0.0
80.0	19.220	36.385	26.040	37.8	0.0	0.0	0.0	0.0
81.0	19.210	36.380	26.039	37.5	0.0	0.0	0.0	0.0
82.0	19.158	36.376	26.049	37.1	0.0	0.0	0.0	0.0
83.0	19.130	36.375	26.055	36.8	0.0	0.0	0.0	0.0
84.0	19.120	36.372	26.056	36.6	0.0	0.0	0.0	0.0
85.0	19.113	36.370	26.057	36.6	0.0	0.0	0.0	0.0
86.0	19.105	36.373	26.060	36.7	0.0	0.0	0.0	0.0
87.0	19.090	36.376	26.067	36.4	0.0	0.0	0.0	0.0
88.0	19.072	36.373	26.073	36.8	0.0	0.0	0.0	0.0
89.0	19.068	36.373	26.070	35.5	0.0	0.0	0.0	0.0
90.0	19.068	36.373	26.070	35.2	0.0	0.0	0.0	0.0
91.0	19.068	36.373	26.070	35.1	0.0	0.0	0.0	0.0
92.0	19.068	36.374	26.071	35.1	0.0	0.0	0.0	0.0
93.0	19.068	36.373	26.070	34.9	0.0	0.0	0.0	0.0
94.0	19.067	36.369	26.068	34.6	0.0	0.0	0.0	0.0

Station: C3
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.51 N
 Longitude 93 45.70 W
 Time: Year Day Hour Minute
 1981 196 15 21

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direc des
0.0	29.762	35.857	22.470	53.9	0.0	0.0	0.0	0.0
1.0	29.712	35.859	22.474	54.1	0.0	0.0	0.0	0.0
2.0	29.570	35.853	22.533	54.4	0.0	0.0	0.0	0.0
3.0	29.446	35.859	22.579	54.7	0.0	0.0	0.0	0.0
4.0	29.409	35.859	22.577	54.9	0.0	0.0	0.0	0.0
5.0	29.400	35.844	22.584	55.1	0.0	0.0	0.0	0.0
6.0	29.392	35.853	22.593	54.9	0.0	0.0	0.0	0.0
7.0	29.386	35.853	22.599	54.6	0.0	0.0	0.0	0.0
8.0	29.387	35.859	22.600	54.8	0.0	0.0	0.0	0.0
9.0	29.384	35.863	22.604	54.8	0.0	0.0	0.0	0.0
10.0	29.380	35.867	22.607	54.7	0.0	0.0	0.0	0.0
11.0	29.389	35.863	22.616	54.8	0.0	0.0	0.0	0.0
12.0	29.400	35.858	22.624	54.8	0.0	0.0	0.0	0.0
13.0	29.348	35.893	22.642	54.8	0.0	0.0	0.0	0.0
14.0	29.289	35.907	22.668	54.8	0.0	0.0	0.0	0.0
15.0	29.224	35.917	22.698	54.9	0.0	0.0	0.0	0.0
16.0	29.185	35.903	22.701	54.8	0.0	0.0	0.0	0.0
17.0	29.094	35.898	22.728	54.7	0.0	0.0	0.0	0.0
18.0	29.050	35.921	22.759	54.7	0.0	0.0	0.0	0.0
19.0	28.985	35.943	22.802	54.7	0.0	0.0	0.0	0.0
20.0	28.900	35.974	22.850	54.7	0.0	0.0	0.0	0.0
21.0	28.883	36.012	22.884	54.6	0.0	0.0	0.0	0.0
22.0	28.935	36.055	22.899	54.4	0.0	0.0	0.0	0.0
23.0	29.014	36.120	22.921	54.1	0.0	0.0	0.0	0.0
24.0	29.049	36.195	22.966	54.0	0.0	0.0	0.0	0.0
25.0	29.060	36.229	22.988	54.1	0.0	0.0	0.0	0.0
26.0	29.058	36.230	22.989	54.1	0.0	0.0	0.0	0.0
27.0	29.057	36.230	22.990	54.1	0.0	0.0	0.0	0.0
28.0	29.055	36.231	22.991	54.2	0.0	0.0	0.0	0.0
29.0	28.886	36.344	23.132	54.1	0.0	0.0	0.0	0.0
30.0	28.770	36.404	23.216	54.0	0.0	0.0	0.0	0.0
31.0	28.693	36.410	23.247	53.7	0.0	0.0	0.0	0.0
32.0	28.601	36.400	23.269	53.6	0.0	0.0	0.0	0.0
33.0	28.484	36.420	23.324	53.4	0.0	0.0	0.0	0.0
34.0	28.385	36.428	23.362	53.1	0.0	0.0	0.0	0.0
35.0	28.306	36.413	23.377	53.0	0.0	0.0	0.0	0.0
36.0	28.150	36.389	23.411	52.9	0.0	0.0	0.0	0.0
37.0	27.877	36.347	23.469	52.6	0.0	0.0	0.0	0.0
38.0	27.607	36.311	23.530	52.4	0.0	0.0	0.0	0.0
39.0	27.315	36.275	23.597	52.2	0.0	0.0	0.0	0.0
40.0	26.972	36.253	23.691	52.0	0.0	0.0	0.0	0.0
41.0	26.640	36.269	23.809	51.9	0.0	0.0	0.0	0.0
42.0	25.811	36.261	24.064	51.9	0.0	0.0	0.0	0.0
43.0	24.676	36.293	24.441	51.3	0.0	0.0	0.0	0.0
44.0	24.368	36.300	24.535	51.9	0.0	0.0	0.0	0.0
45.0	24.209	36.270	24.560	51.9	0.0	0.0	0.0	0.0
46.0	23.861	36.264	24.659	51.8	0.0	0.0	0.0	0.0
47.0	23.657	36.290	24.739	51.5	0.0	0.0	0.0	0.0
48.0	23.422	36.312	24.825	51.3	0.0	0.0	0.0	0.0
49.0	22.901	36.315	24.973	51.1	0.0	0.0	0.0	0.0
50.0	22.595	36.305	25.059	50.7	0.0	0.0	0.0	0.0
51.0	22.427	36.322	25.119	50.4	0.0	0.0	0.0	0.0
52.0	22.281	36.336	25.172	50.3	0.0	0.0	0.0	0.0
53.0	22.210	36.334	25.190	50.3	0.0	0.0	0.0	0.0
54.0	22.177	36.326	25.194	49.9	0.0	0.0	0.0	0.0
55.0	22.036	36.329	25.236	49.5	0.0	0.0	0.0	0.0
56.0	21.826	36.351	25.312	49.1	0.0	0.0	0.0	0.0
57.0	21.679	36.347	25.349	48.9	0.0	0.0	0.0	0.0
58.0	21.609	36.338	25.363	48.8	0.0	0.0	0.0	0.0
59.0	21.585	36.344	25.373	48.7	0.0	0.0	0.0	0.0

Station: C3
 Cruise : SI-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.51 N
 Longitude 98 45.70 W
 Time: Year Day Hour Minute
 1981 196 15 21

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	21.537	36.357	25.397	48.8	0.0	0.0	0.0	0.0
61.0	21.474	36.359	25.416	48.5	0.0	0.0	0.0	0.0
62.0	21.353	36.351	25.443	48.1	0.0	0.0	0.0	0.0
63.0	21.264	36.361	25.475	47.8	0.0	0.0	0.0	0.0
64.0	21.221	36.372	25.495	47.5	0.0	0.0	0.0	0.0
65.0	21.188	36.374	25.507	47.2	0.0	0.0	0.0	0.0
66.0	21.167	36.372	25.511	46.9	0.0	0.0	0.0	0.0
67.0	21.149	36.369	25.513	46.9	0.0	0.0	0.0	0.0
68.0	21.137	36.366	25.514	46.8	0.0	0.0	0.0	0.0
69.0	21.120	36.363	25.517	46.7	0.0	0.0	0.0	0.0
70.0	21.061	36.359	25.530	46.6	0.0	0.0	0.0	0.0
71.0	20.962	36.347	25.547	46.4	0.0	0.0	0.0	0.0
72.0	20.847	36.339	25.573	46.3	0.0	0.0	0.0	0.0
73.0	20.722	36.334	25.603	46.2	0.0	0.0	0.0	0.0
74.0	20.586	36.330	25.637	46.1	0.0	0.0	0.0	0.0
75.0	20.536	36.331	25.651	45.9	0.0	0.0	0.0	0.0
76.0	20.498	36.337	25.666	45.7	0.0	0.0	0.0	0.0
77.0	20.460	36.336	25.675	45.5	0.0	0.0	0.0	0.0
78.0	20.435	36.333	25.680	45.4	0.0	0.0	0.0	0.0
79.0	20.406	36.336	25.690	45.2	0.0	0.0	0.0	0.0
80.0	20.401	36.336	25.692	45.1	0.0	0.0	0.0	0.0
81.0	20.183	36.345	25.772	44.8	0.0	0.0	0.0	0.0
82.0	20.053	36.350	25.818	44.6	0.0	0.0	0.0	0.0
83.0	20.024	36.356	25.830	44.5	0.0	0.0	0.0	0.0
84.0	19.990	36.353	25.844	44.5	0.0	0.0	0.0	0.0
85.0	19.962	36.352	25.851	44.6	0.0	0.0	0.0	0.0
86.0	19.934	36.350	25.857	44.6	0.0	0.0	0.0	0.0
87.0	19.903	36.354	25.868	44.6	0.0	0.0	0.0	0.0
88.0	19.860	36.356	25.881	44.5	0.0	0.0	0.0	0.0
89.0	19.809	36.355	25.894	44.5	0.0	0.0	0.0	0.0
90.0	19.734	36.400	25.918	44.4	0.0	0.0	0.0	0.0
91.0	19.667	36.401	25.936	44.3	0.0	0.0	0.0	0.0
92.0	19.622	36.405	25.950	44.3	0.0	0.0	0.0	0.0
93.0	19.582	36.410	25.965	44.1	0.0	0.0	0.0	0.0
94.0	19.558	36.411	25.972	43.9	0.0	0.0	0.0	0.0
95.0	19.501	36.405	25.982	43.8	0.0	0.0	0.0	0.0
96.0	19.411	36.408	26.006	43.8	0.0	0.0	0.0	0.0
97.0	19.356	36.412	26.025	43.7	0.0	0.0	0.0	0.0
98.0	19.326	36.409	26.031	43.6	0.0	0.0	0.0	0.0
99.0	19.308	36.407	26.034	43.5	0.0	0.0	0.0	0.0
100.0	19.296	36.404	26.035	43.5	0.0	0.0	0.0	0.0
101.0	19.279	36.408	26.042	43.5	0.0	0.0	0.0	0.0
102.0	19.251	36.413	26.053	42.6	0.0	0.0	0.0	0.0
103.0	19.182	36.420	26.077	41.3	0.0	0.0	0.0	0.0

Station: C4
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.15 N
 Longitude 93 54.76 W
 Time: Year Day Hour Minute
 1981 196 18 48

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	29.608	36.156	22.747	55.8	0.0	0.0	0.0	0.0
1.0	29.604	36.163	22.754	56.0	0.0	0.0	0.0	0.0
2.0	29.598	36.165	22.757	55.9	0.0	0.0	0.0	0.0
3.0	29.591	36.165	22.760	55.9	0.0	0.0	0.0	0.0
4.0	29.584	36.163	22.761	55.9	0.0	0.0	0.0	0.0
5.0	29.577	36.164	22.763	55.9	0.0	0.0	0.0	0.0
6.0	29.576	36.166	22.766	55.9	0.0	0.0	0.0	0.0
7.0	29.575	36.165	22.765	55.9	0.0	0.0	0.0	0.0
8.0	29.573	36.163	22.765	54.8	0.0	0.0	0.0	0.0
9.0	29.559	36.163	22.770	54.5	0.0	0.0	0.0	0.0
10.0	29.547	36.161	22.772	54.5	0.0	0.0	0.0	0.0
11.0	29.525	36.159	22.778	54.3	0.0	0.0	0.0	0.0
12.0	29.508	36.162	22.786	54.2	0.0	0.0	0.0	0.0
13.0	29.483	36.157	22.791	54.2	0.0	0.0	0.0	0.0
14.0	29.445	36.160	22.806	54.3	0.0	0.0	0.0	0.0
15.0	29.423	36.163	22.813	54.5	0.0	0.0	0.0	0.0
16.0	29.427	36.172	22.821	54.6	0.0	0.0	0.0	0.0
17.0	29.420	36.181	22.830	55.1	0.0	0.0	0.0	0.0
18.0	29.407	36.188	22.839	55.1	0.0	0.0	0.0	0.0
19.0	29.391	36.189	22.846	54.7	0.0	0.0	0.0	0.0
20.0	29.359	36.203	22.867	54.4	0.0	0.0	0.0	0.0
21.0	29.351	36.209	22.875	54.4	0.0	0.0	0.0	0.0
22.0	29.348	36.204	22.871	54.2	0.0	0.0	0.0	0.0
23.0	29.327	36.196	22.874	54.2	0.0	0.0	0.0	0.0
24.0	29.286	36.202	22.891	53.8	0.0	0.0	0.0	0.0
25.0	29.257	36.206	22.904	53.7	0.0	0.0	0.0	0.0
26.0	29.225	36.207	22.915	53.7	0.0	0.0	0.0	0.0
27.0	29.187	36.236	22.967	53.8	0.0	0.0	0.0	0.0
28.0	28.990	36.318	23.073	54.0	0.0	0.0	0.0	0.0
29.0	28.879	36.377	23.160	54.1	0.0	0.0	0.0	0.0
30.0	28.841	36.401	23.190	54.1	0.0	0.0	0.0	0.0
31.0	28.796	36.425	23.223	53.6	0.0	0.0	0.0	0.0
32.0	28.680	36.434	23.269	53.6	0.0	0.0	0.0	0.0
33.0	28.546	36.434	23.314	53.7	0.0	0.0	0.0	0.0
34.0	28.434	36.430	23.343	53.6	0.0	0.0	0.0	0.0
35.0	28.243	36.435	23.382	53.5	0.0	0.0	0.0	0.0
36.0	28.025	36.430	23.384	53.4	0.0	0.0	0.0	0.0
37.0	27.812	36.420	23.381	53.1	0.0	0.0	0.0	0.0
38.0	27.808	36.419	23.346	52.8	0.0	0.0	0.0	0.0
39.0	27.358	36.395	23.674	52.6	0.0	0.0	0.0	0.0
40.0	27.082	36.383	23.754	52.5	0.0	0.0	0.0	0.0
41.0	26.834	36.381	23.822	52.2	0.0	0.0	0.0	0.0
42.0	26.359	36.354	23.962	51.9	0.0	0.0	0.0	0.0
43.0	25.610	36.365	24.205	51.5	0.0	0.0	0.0	0.0
44.0	24.824	36.380	24.458	51.0	0.0	0.0	0.0	0.0
45.0	24.434	36.364	24.579	50.7	0.0	0.0	0.0	0.0
46.0	24.184	36.335	24.655	50.7	0.0	0.0	0.0	0.0
47.0	23.970	36.321	24.722	51.0	0.0	0.0	0.0	0.0
48.0	23.857	36.331	24.748	51.0	0.0	0.0	0.0	0.0
49.0	23.630	36.323	24.825	50.8	0.0	0.0	0.0	0.0
50.0	23.463	36.406	24.884	50.3	0.0	0.0	0.0	0.0
51.0	23.312	36.378	24.907	50.1	0.0	0.0	0.0	0.0
52.0	23.189	36.379	24.943	49.9	0.0	0.0	0.0	0.0
53.0	23.051	36.366	24.974	49.9	0.0	0.0	0.0	0.0
54.0	22.871	36.358	25.020	49.8	0.0	0.0	0.0	0.0
55.0	22.725	36.355	25.059	49.6	0.0	0.0	0.0	0.0
56.0	22.607	36.355	25.093	49.4	0.0	0.0	0.0	0.0
57.0	22.531	36.345	25.107	49.2	0.0	0.0	0.0	0.0
58.0	22.498	36.346	25.118	48.9	0.0	0.0	0.0	0.0
59.0	22.456	36.362	25.142	48.7	0.0	0.0	0.0	0.0

Station: C4
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.15 N
 Longitude 93 54.76 W
 Time: Year Day Hour Minute
 1981 196 13 43

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	22.398	36.351	25.150	48.6	0.0	0.0	0.0	0.0
61.0	22.233	36.353	25.193	48.5	0.0	0.0	0.0	0.0
62.0	22.091	36.343	25.231	48.5	0.0	0.0	0.0	0.0
63.0	21.979	36.323	25.251	48.5	0.0	0.0	0.0	0.0
64.0	21.914	36.352	25.288	48.3	0.0	0.0	0.0	0.0
65.0	21.892	36.369	25.307	48.2	0.0	0.0	0.0	0.0
66.0	21.839	36.355	25.311	47.9	0.0	0.0	0.0	0.0
67.0	21.782	36.341	25.316	47.7	0.0	0.0	0.0	0.0
68.0	21.727	36.350	25.338	47.4	0.0	0.0	0.0	0.0
69.0	21.665	36.349	25.355	46.9	0.0	0.0	0.0	0.0
70.0	21.581	36.354	25.382	46.7	0.0	0.0	0.0	0.0
71.0	21.520	36.353	25.399	46.3	0.0	0.0	0.0	0.0
72.0	21.442	36.354	25.421	46.7	0.0	0.0	0.0	0.0
73.0	21.364	36.348	25.438	46.5	0.0	0.0	0.0	0.0
74.0	21.322	36.336	25.440	46.2	0.0	0.0	0.0	0.0
75.0	21.279	36.325	25.444	46.1	0.0	0.0	0.0	0.0
76.0	21.228	36.318	25.452	45.9	0.0	0.0	0.0	0.0
77.0	21.167	36.320	25.471	45.9	0.0	0.0	0.0	0.0
78.0	21.024	36.314	25.505	45.8	0.0	0.0	0.0	0.0
79.0	20.891	36.307	25.537	45.5	0.0	0.0	0.0	0.0
80.0	20.793	36.305	25.562	45.2	0.0	0.0	0.0	0.0
81.0	20.682	36.305	25.592	44.8	0.0	0.0	0.0	0.0
82.0	20.561	36.316	25.633	44.5	0.0	0.0	0.0	0.0
83.0	20.392	36.339	25.684	44.2	0.0	0.0	0.0	0.0
84.0	20.286	36.354	25.735	43.9	0.0	0.0	0.0	0.0
85.0	20.266	36.339	25.730	43.3	0.0	0.0	0.0	0.0
86.0	20.239	36.345	25.741	43.7	0.0	0.0	0.0	0.0
87.0	20.216	36.344	25.747	43.6	0.0	0.0	0.0	0.0
88.0	20.184	36.343	25.755	42.9	0.0	0.0	0.0	0.0
89.0	20.083	36.368	25.800	41.5	0.0	0.0	0.0	0.0
90.0	19.950	36.370	25.837	39.6	0.0	0.0	0.0	0.0
91.0	19.885	36.374	25.858	37.6	0.0	0.0	0.0	0.0
92.0	19.729	36.381	25.904	36.4	0.0	0.0	0.0	0.0
93.0	19.626	36.373	25.925	35.4	0.0	0.0	0.0	0.0
94.0	19.566	36.368	25.937	34.4	0.0	0.0	0.0	0.0
95.0	19.519	36.372	25.953	33.5	0.0	0.0	0.0	0.0
96.0	19.466	36.369	25.964	32.7	0.0	0.0	0.0	0.0
97.0	19.375	36.367	25.986	31.9	0.0	0.0	0.0	0.0
98.0	19.282	36.382	26.021	31.1	0.0	0.0	0.0	0.0
99.0	19.077	36.392	26.052	31.1	0.0	0.0	0.0	0.0
100.0	18.686	36.388	26.179	31.5	0.0	0.0	0.0	0.0
101.0	18.286	36.396	26.287	33.3	0.0	0.0	0.0	0.0
102.0	18.165	36.393	26.307	31.3	0.0	0.0	0.0	0.0
103.0	18.139	36.374	26.306	27.2	0.0	0.0	0.0	0.0

Station: 1
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.41 N
 Longitude 93 33.43 W
 Time: Year Day Hour Minute
 1981 196 20 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	30.524	35.725	22.109	54.3	0.0	0.0	0.0	0.0
2.0	30.320	35.725	22.180	55.9	0.0	0.0	0.0	0.0
3.0	29.988	35.725	22.294	55.1	0.0	0.0	0.0	0.0
4.0	29.574	35.726	22.436	54.6	0.0	0.0	0.0	0.0
5.0	29.453	35.727	22.478	54.4	0.0	0.0	0.0	0.0
6.0	29.405	35.728	22.495	54.5	0.0	0.0	0.0	0.0
7.0	29.367	35.728	22.508	54.6	0.0	0.0	0.0	0.0
8.0	29.349	35.729	22.515	54.6	0.0	0.0	0.0	0.0
9.0	29.336	35.730	22.520	54.4	0.0	0.0	0.0	0.0
10.0	29.321	35.750	22.540	53.9	0.0	0.0	0.0	0.0
11.0	29.310	35.751	22.544	53.5	0.0	0.0	0.0	0.0
12.0	29.301	35.755	22.550	53.3	0.0	0.0	0.0	0.0
13.0	29.293	35.743	22.544	53.9	0.0	0.0	0.0	0.0
14.0	29.287	35.733	22.543	53.9	0.0	0.0	0.0	0.0
15.0	29.279	35.735	22.543	54.0	0.0	0.0	0.0	0.0
16.0	29.268	35.732	22.544	53.7	0.0	0.0	0.0	0.0
17.0	29.258	35.730	22.546	53.3	0.0	0.0	0.0	0.0
18.0	29.252	35.723	22.547	53.7	0.0	0.0	0.0	0.0
19.0	29.249	35.726	22.547	53.4	0.0	0.0	0.0	0.0
20.0	29.246	35.730	22.550	53.3	0.0	0.0	0.0	0.0
21.0	29.246	35.742	22.539	53.5	0.0	0.0	0.0	0.0
22.0	29.228	35.770	22.536	53.9	0.0	0.0	0.0	0.0
23.0	29.170	35.826	22.648	54.1	0.0	0.0	0.0	0.0
24.0	29.103	35.907	22.731	54.2	0.0	0.0	0.0	0.0
25.0	28.995	36.000	22.837	54.3	0.0	0.0	0.0	0.0
26.0	28.819	36.002	22.898	54.4	0.0	0.0	0.0	0.0
27.0	28.646	36.006	22.959	54.4	0.0	0.0	0.0	0.0
28.0	28.523	36.075	23.049	54.3	0.0	0.0	0.0	0.0
29.0	28.471	36.116	23.099	54.0	0.0	0.0	0.0	0.0
30.0	28.444	36.106	23.101	53.6	0.0	0.0	0.0	0.0
31.0	28.350	36.096	23.124	53.3	0.0	0.0	0.0	0.0
32.0	28.248	36.101	23.162	53.0	0.0	0.0	0.0	0.0
33.0	28.180	36.121	23.199	52.3	0.0	0.0	0.0	0.0
34.0	28.003	36.164	23.233	52.3	0.0	0.0	0.0	0.0
35.0	27.833	36.185	23.361	52.6	0.0	0.0	0.0	0.0
36.0	27.665	36.179	23.412	52.4	0.0	0.0	0.0	0.0
37.0	27.544	36.195	23.463	52.3	0.0	0.0	0.0	0.0
38.0	27.401	36.215	23.525	52.1	0.0	0.0	0.0	0.0
39.0	27.182	36.207	23.590	51.9	0.0	0.0	0.0	0.0
40.0	26.663	36.215	23.761	52.0	0.0	0.0	0.0	0.0
41.0	26.052	36.217	23.956	52.1	0.0	0.0	0.0	0.0
42.0	25.699	36.210	24.060	52.2	0.0	0.0	0.0	0.0
43.0	25.350	36.211	24.169	52.0	0.0	0.0	0.0	0.0
44.0	25.041	36.213	24.266	51.6	0.0	0.0	0.0	0.0
45.0	24.654	36.215	24.384	51.2	0.0	0.0	0.0	0.0
46.0	24.228	36.218	24.515	51.0	0.0	0.0	0.0	0.0
47.0	23.963	36.237	24.603	50.9	0.0	0.0	0.0	0.0
48.0	23.852	36.242	24.645	50.6	0.0	0.0	0.0	0.0
49.0	23.703	36.233	24.682	50.6	0.0	0.0	0.0	0.0
50.0	23.506	36.235	24.742	50.6	0.0	0.0	0.0	0.0
51.0	23.286	36.244	24.813	50.6	0.0	0.0	0.0	0.0
52.0	23.090	36.243	24.869	50.5	0.0	0.0	0.0	0.0
53.0	22.928	36.243	24.920	49.9	0.0	0.0	0.0	0.0
54.0	22.837	36.243	24.928	49.4	0.0	0.0	0.0	0.0
55.0	22.877	36.234	24.924	49.4	0.0	0.0	0.0	0.0
56.0	22.872	36.233	24.925	49.3	0.0	0.0	0.0	0.0
57.0	22.868	36.232	24.925	49.2	0.0	0.0	0.0	0.0
58.0	22.526	36.250	25.037	49.0	0.0	0.0	0.0	0.0
59.0	22.275	36.264	25.119	48.6	0.0	0.0	0.0	0.0
60.0	22.109	36.273	25.173	48.2	0.0	0.0	0.0	0.0

Station: 1
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.41 N
 Longitude 93 33.43 W
 Time: Year Day Hour Minute
 1981 196 20 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.067	36.272	25.184	47.6	0.0	0.0	0.0	0.0
62.0	22.003	36.249	25.199	47.1	0.0	0.0	0.0	0.0
63.0	21.830	36.259	25.241	46.8	0.0	0.0	0.0	0.0
64.0	21.544	36.275	25.332	46.7	0.0	0.0	0.0	0.0
65.0	21.302	36.296	25.416	46.7	0.0	0.0	0.0	0.0
66.0	21.209	36.295	25.440	46.5	0.0	0.0	0.0	0.0
67.0	21.183	36.293	25.446	46.1	0.0	0.0	0.0	0.0
68.0	21.144	36.289	25.454	45.7	0.0	0.0	0.0	0.0
69.0	21.049	36.290	25.480	45.6	0.0	0.0	0.0	0.0
70.0	20.973	36.294	25.504	45.7	0.0	0.0	0.0	0.0
71.0	20.942	36.292	25.511	45.5	0.0	0.0	0.0	0.0
72.0	20.898	36.293	25.524	45.3	0.0	0.0	0.0	0.0
73.0	20.871	36.299	25.536	45.2	0.0	0.0	0.0	0.0
74.0	20.854	36.300	25.541	45.3	0.0	0.0	0.0	0.0
75.0	20.820	36.301	25.551	45.5	0.0	0.0	0.0	0.0
76.0	20.765	36.305	25.569	45.4	0.0	0.0	0.0	0.0
77.0	20.671	36.310	25.598	45.3	0.0	0.0	0.0	0.0
78.0	20.599	36.316	25.623	45.0	0.0	0.0	0.0	0.0
79.0	20.547	36.321	25.640	45.0	0.0	0.0	0.0	0.0
80.0	20.497	36.326	25.657	44.9	0.0	0.0	0.0	0.0
81.0	20.330	36.343	25.715	44.7	0.0	0.0	0.0	0.0
82.0	20.127	36.355	25.779	44.4	0.0	0.0	0.0	0.0
83.0	19.987	36.355	25.816	44.2	0.0	0.0	0.0	0.0
84.0	19.850	36.359	25.856	44.0	0.0	0.0	0.0	0.0
85.0	19.750	36.367	25.888	44.1	0.0	0.0	0.0	0.0
86.0	19.698	36.368	25.903	44.1	0.0	0.0	0.0	0.0
87.0	19.615	36.369	25.925	44.4	0.0	0.0	0.0	0.0
88.0	19.550	36.368	25.941	44.6	0.0	0.0	0.0	0.0
89.0	19.506	36.365	25.950	44.8	0.0	0.0	0.0	0.0
90.0	19.487	36.356	25.949	44.8	0.0	0.0	0.0	0.0

Station: 2
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.85 N
 Longitude 98 04.88 W
 Time: Year Day Hour Minute
 1981 196 20 50

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
0.0	30.154	35.727	22.239	56.2	0.0	0.0	0.0	0.0
1.0	30.075	35.727	22.266	56.4	0.0	0.0	0.0	0.0
2.0	29.804	35.718	22.352	55.7	0.0	0.0	0.0	0.0
3.0	29.581	35.738	22.443	55.6	0.0	0.0	0.0	0.0
4.0	29.481	35.748	22.481	55.4	0.0	0.0	0.0	0.0
5.0	29.430	35.745	22.499	55.3	0.0	0.0	0.0	0.0
6.0	29.401	35.744	22.508	55.0	0.0	0.0	0.0	0.0
7.0	29.377	35.742	22.515	54.5	0.0	0.0	0.0	0.0
8.0	29.360	35.738	22.518	54.3	0.0	0.0	0.0	0.0
9.0	29.345	35.739	22.523	54.1	0.0	0.0	0.0	0.0
10.0	29.329	35.741	22.530	53.9	0.0	0.0	0.0	0.0
11.0	29.316	35.740	22.534	53.8	0.0	0.0	0.0	0.0
12.0	29.303	35.738	22.537	53.6	0.0	0.0	0.0	0.0
13.0	29.286	35.738	22.543	53.7	0.0	0.0	0.0	0.0
14.0	29.272	35.737	22.547	54.0	0.0	0.0	0.0	0.0
15.0	29.265	35.736	22.548	54.4	0.0	0.0	0.0	0.0
16.0	29.260	35.734	22.548	54.8	0.0	0.0	0.0	0.0
17.0	29.254	35.734	22.550	54.7	0.0	0.0	0.0	0.0
18.0	29.245	35.733	22.553	54.6	0.0	0.0	0.0	0.0
19.0	29.197	35.745	22.573	54.4	0.0	0.0	0.0	0.0
20.0	29.108	35.795	22.645	54.2	0.0	0.0	0.0	0.0
21.0	29.048	35.836	22.696	54.3	0.0	0.0	0.0	0.0
22.0	28.943	35.875	22.761	54.4	0.0	0.0	0.0	0.0
23.0	28.796	35.936	22.856	54.5	0.0	0.0	0.0	0.0
24.0	28.753	36.037	22.991	54.3	0.0	0.0	0.0	0.0
25.0	28.861	36.280	23.093	54.1	0.0	0.0	0.0	0.0
26.0	28.907	36.391	23.161	53.9	0.0	0.0	0.0	0.0
27.0	28.935	36.405	23.195	53.7	0.0	0.0	0.0	0.0
28.0	28.650	36.395	23.249	53.3	0.0	0.0	0.0	0.0
29.0	28.502	36.393	23.297	53.0	0.0	0.0	0.0	0.0
30.0	28.431	36.390	23.319	52.8	0.0	0.0	0.0	0.0
31.0	28.403	36.385	23.324	52.7	0.0	0.0	0.0	0.0
32.0	28.378	36.389	23.335	52.2	0.0	0.0	0.0	0.0
33.0	28.372	36.393	23.344	52.1	0.0	0.0	0.0	0.0
34.0	28.323	36.391	23.355	52.7	0.0	0.0	0.0	0.0
35.0	28.222	36.381	23.381	52.1	0.0	0.0	0.0	0.0
36.0	28.126	36.380	23.412	51.9	0.0	0.0	0.0	0.0
37.0	28.034	36.374	23.437	52.0	0.0	0.0	0.0	0.0
38.0	27.900	36.366	23.475	52.2	0.0	0.0	0.0	0.0
39.0	27.130	36.300	23.676	52.2	0.0	0.0	0.0	0.0
40.0	26.862	36.249	23.882	51.9	0.0	0.0	0.0	0.0
41.0	26.204	36.248	23.931	51.5	0.0	0.0	0.0	0.0
42.0	25.921	36.247	24.019	51.4	0.0	0.0	0.0	0.0
43.0	25.588	36.246	24.122	51.1	0.0	0.0	0.0	0.0
44.0	25.403	36.247	24.180	51.0	0.0	0.0	0.0	0.0
45.0	25.056	36.249	24.288	51.2	0.0	0.0	0.0	0.0
46.0	24.627	36.250	24.419	51.4	0.0	0.0	0.0	0.0
47.0	24.454	36.250	24.471	51.2	0.0	0.0	0.0	0.0
48.0	24.396	36.251	24.489	50.8	0.0	0.0	0.0	0.0
49.0	23.699	36.251	24.697	50.2	0.0	0.0	0.0	0.0
50.0	23.247	36.252	24.830	49.7	0.0	0.0	0.0	0.0
51.0	23.105	36.253	24.872	49.3	0.0	0.0	0.0	0.0
52.0	23.032	36.250	24.891	49.0	0.0	0.0	0.0	0.0
53.0	22.909	36.247	24.924	49.0	0.0	0.0	0.0	0.0
54.0	22.702	36.260	24.994	48.8	0.0	0.0	0.0	0.0
55.0	22.626	36.259	25.015	48.6	0.0	0.0	0.0	0.0
56.0	22.569	36.242	25.018	48.3	0.0	0.0	0.0	0.0
57.0	22.364	36.233	25.070	48.0	0.0	0.0	0.0	0.0
58.0	22.074	36.240	25.158	47.6	0.0	0.0	0.0	0.0
59.0	21.971	36.249	25.193	47.6	0.0	0.0	0.0	0.0

Station: 2
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.95 N
 Longitude 93 34.38 W
 Time: Year Day Hour Minute
 1981 196 20 50

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	21.853	36.258	25.234	47.4	0.0	0.0	0.0	0.0
61.0	21.733	36.265	25.272	47.2	0.0	0.0	0.0	0.0
62.0	21.686	36.267	25.287	46.8	0.0	0.0	0.0	0.0
63.0	21.626	36.271	25.306	46.3	0.0	0.0	0.0	0.0
64.0	21.491	36.271	25.344	45.8	0.0	0.0	0.0	0.0
65.0	21.399	36.271	25.369	45.6	0.0	0.0	0.0	0.0
66.0	21.368	36.268	25.371	45.6	0.0	0.0	0.0	0.0
67.0	21.363	36.270	25.379	45.9	0.0	0.0	0.0	0.0
68.0	21.271	36.278	25.410	45.8	0.0	0.0	0.0	0.0
69.0	21.191	36.282	25.436	45.8	0.0	0.0	0.0	0.0
70.0	21.118	36.283	25.456	45.7	0.0	0.0	0.0	0.0
71.0	20.993	36.289	25.495	45.5	0.0	0.0	0.0	0.0
72.0	20.873	36.300	25.536	45.5	0.0	0.0	0.0	0.0
73.0	20.737	36.313	25.583	45.2	0.0	0.0	0.0	0.0
74.0	20.634	36.321	25.617	44.8	0.0	0.0	0.0	0.0
75.0	20.565	36.325	25.638	44.5	0.0	0.0	0.0	0.0
76.0	20.490	36.326	25.660	44.2	0.0	0.0	0.0	0.0
77.0	20.437	36.326	25.674	44.1	0.0	0.0	0.0	0.0
78.0	20.366	36.331	25.696	44.1	0.0	0.0	0.0	0.0
79.0	20.270	36.336	25.727	44.1	0.0	0.0	0.0	0.0
80.0	20.249	36.320	25.720	44.1	0.0	0.0	0.0	0.0
81.0	20.218	36.319	25.727	44.0	0.0	0.0	0.0	0.0
82.0	20.167	36.337	25.755	44.0	0.0	0.0	0.0	0.0
83.0	20.129	36.339	25.766	43.9	0.0	0.0	0.0	0.0
84.0	20.052	36.345	25.791	43.7	0.0	0.0	0.0	0.0
85.0	19.957	36.349	25.819	43.5	0.0	0.0	0.0	0.0
86.0	19.899	36.351	25.836	43.6	0.0	0.0	0.0	0.0
87.0	19.865	36.352	25.846	43.8	0.0	0.0	0.0	0.0
88.0	19.801	36.355	25.866	43.9	0.0	0.0	0.0	0.0
89.0	19.719	36.359	25.890	43.6	0.0	0.0	0.0	0.0
90.0	19.606	36.365	25.924	43.3	0.0	0.0	0.0	0.0
91.0	19.449	36.371	25.970	43.1	0.0	0.0	0.0	0.0
92.0	19.362	36.368	25.990	43.1	0.0	0.0	0.0	0.0
93.0	19.334	36.366	25.996	43.3	0.0	0.0	0.0	0.0
94.0	19.309	36.369	26.005	43.6	0.0	0.0	0.0	0.0
95.0	19.275	36.367	26.012	43.7	0.0	0.0	0.0	0.0
96.0	19.248	36.367	26.019	43.6	0.0	0.0	0.0	0.0
97.0	19.231	36.368	26.024	43.4	0.0	0.0	0.0	0.0
98.0	19.201	36.367	26.032	42.9	0.0	0.0	0.0	0.0
99.0	19.125	36.368	26.051	42.3	0.0	0.0	0.0	0.0
100.0	19.060	36.369	26.069	42.0	0.0	0.0	0.0	0.0
101.0	19.035	36.367	26.074	41.5	0.0	0.0	0.0	0.0
102.0	18.990	36.362	26.082	39.8	0.0	0.0	0.0	0.0

Station: S
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.63 N
 Longitude 93 34.86 W
 Time: Year Day Hour Minute
 1981 196 21 17

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
2.0	29.771	35.728	22.370	52.0	0.0	0.0	0.0	0.0
3.0	29.413	35.727	22.491	55.1	0.0	0.0	0.0	0.0
4.0	29.311	35.764	22.553	55.7	0.0	0.0	0.0	0.0
5.0	29.323	35.773	22.560	55.9	0.0	0.0	0.0	0.0
6.0	29.337	35.792	22.566	55.6	0.0	0.0	0.0	0.0
7.0	29.370	35.823	22.573	55.5	0.0	0.0	0.0	0.0
8.0	29.442	35.873	22.591	55.4	0.0	0.0	0.0	0.0
9.0	29.512	35.916	22.600	55.5	0.0	0.0	0.0	0.0
10.0	29.536	35.937	22.607	55.7	0.0	0.0	0.0	0.0
11.0	29.514	35.939	22.616	55.8	0.0	0.0	0.0	0.0
12.0	29.431	35.916	22.627	55.6	0.0	0.0	0.0	0.0
13.0	29.334	35.873	22.632	55.9	0.0	0.0	0.0	0.0
14.0	29.255	35.827	22.620	55.6	0.0	0.0	0.0	0.0
15.0	29.185	35.807	22.628	55.4	0.0	0.0	0.0	0.0
16.0	29.131	35.795	22.638	55.2	0.0	0.0	0.0	0.0
17.0	29.087	35.803	22.659	55.2	0.0	0.0	0.0	0.0
18.0	29.022	35.820	22.693	55.3	0.0	0.0	0.0	0.0
19.0	28.998	35.832	22.710	55.3	0.0	0.0	0.0	0.0
20.0	29.017	35.892	22.749	55.1	0.0	0.0	0.0	0.0
21.0	29.102	36.030	22.824	54.7	0.0	0.0	0.0	0.0
22.0	29.053	36.232	23.007	54.5	0.0	0.0	0.0	0.0
23.0	28.903	36.413	23.179	54.4	0.0	0.0	0.0	0.0
24.0	28.804	36.421	23.218	54.4	0.0	0.0	0.0	0.0
25.0	28.753	36.419	23.233	54.3	0.0	0.0	0.0	0.0
26.0	28.701	36.413	23.246	54.3	0.0	0.0	0.0	0.0
27.0	28.652	36.403	23.253	54.3	0.0	0.0	0.0	0.0
28.0	28.585	36.404	23.278	54.1	0.0	0.0	0.0	0.0
29.0	28.503	36.396	23.299	53.7	0.0	0.0	0.0	0.0
30.0	28.459	36.387	23.308	53.3	0.0	0.0	0.0	0.0
31.0	28.434	36.389	23.317	53.0	0.0	0.0	0.0	0.0
32.0	28.434	36.388	23.316	53.0	0.0	0.0	0.0	0.0
33.0	28.434	36.387	23.316	53.0	0.0	0.0	0.0	0.0
34.0	28.434	36.386	23.313	53.0	0.0	0.0	0.0	0.0
35.0	28.212	36.396	23.396	53.1	0.0	0.0	0.0	0.0
36.0	28.054	36.405	23.455	53.1	0.0	0.0	0.0	0.0
37.0	27.820	36.406	23.532	53.0	0.0	0.0	0.0	0.0
38.0	27.668	36.399	23.576	52.8	0.0	0.0	0.0	0.0
39.0	27.550	36.413	23.629	52.8	0.0	0.0	0.0	0.0
40.0	27.295	36.402	23.699	52.3	0.0	0.0	0.0	0.0
41.0	27.133	36.384	23.733	51.6	0.0	0.0	0.0	0.0
42.0	27.101	36.379	23.745	51.1	0.0	0.0	0.0	0.0
43.0	26.773	36.324	23.803	50.7	0.0	0.0	0.0	0.0
44.0	25.523	36.300	24.183	50.4	0.0	0.0	0.0	0.0
45.0	24.694	36.250	24.399	50.1	0.0	0.0	0.0	0.0
46.0	24.125	36.241	24.563	50.3	0.0	0.0	0.0	0.0
47.0	23.742	36.250	24.684	50.3	0.0	0.0	0.0	0.0
48.0	23.642	36.245	24.709	50.2	0.0	0.0	0.0	0.0
49.0	23.549	36.242	24.734	50.1	0.0	0.0	0.0	0.0
50.0	23.468	36.243	24.759	50.0	0.0	0.0	0.0	0.0
51.0	23.374	36.240	24.784	49.9	0.0	0.0	0.0	0.0
52.0	23.283	36.245	24.815	49.7	0.0	0.0	0.0	0.0
53.0	23.243	36.245	24.826	49.2	0.0	0.0	0.0	0.0
54.0	23.210	36.241	24.833	48.8	0.0	0.0	0.0	0.0
55.0	23.075	36.224	24.859	48.6	0.0	0.0	0.0	0.0
56.0	22.918	36.208	24.892	48.3	0.0	0.0	0.0	0.0
57.0	22.611	36.225	24.994	48.2	0.0	0.0	0.0	0.0
58.0	22.459	36.229	25.040	48.0	0.0	0.0	0.0	0.0
59.0	22.267	36.223	25.090	47.7	0.0	0.0	0.0	0.0
60.0	21.988	36.236	25.179	47.6	0.0	0.0	0.0	0.0
61.0	21.825	36.249	25.234	47.2	0.0	0.0	0.0	0.0

Station: 3
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.63 N
 Longitude 93 34.86 W
 Time: Year Day Hour Minute
 1981 196 21 17

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	21.723	36.250	25.264	46.7	0.0	0.0	0.0	0.0
63.0	21.619	36.245	25.289	46.4	0.0	0.0	0.0	0.0
64.0	21.508	36.253	25.326	46.4	0.0	0.0	0.0	0.0
65.0	21.411	36.267	25.364	46.5	0.0	0.0	0.0	0.0
66.0	21.338	36.244	25.366	46.6	0.0	0.0	0.0	0.0
67.0	21.270	36.250	25.389	46.5	0.0	0.0	0.0	0.0
68.0	21.219	36.254	25.406	46.2	0.0	0.0	0.0	0.0
69.0	21.104	36.276	25.455	45.8	0.0	0.0	0.0	0.0
70.0	21.018	36.286	25.486	45.6	0.0	0.0	0.0	0.0
71.0	20.971	36.291	25.503	45.5	0.0	0.0	0.0	0.0
72.0	20.881	36.283	25.521	45.4	0.0	0.0	0.0	0.0
73.0	20.771	36.290	25.556	45.2	0.0	0.0	0.0	0.0
74.0	20.666	36.299	25.591	45.1	0.0	0.0	0.0	0.0
75.0	20.561	36.308	25.626	45.0	0.0	0.0	0.0	0.0
76.0	20.483	36.310	25.650	44.9	0.0	0.0	0.0	0.0
77.0	20.406	36.314	25.673	44.8	0.0	0.0	0.0	0.0
78.0	20.339	36.328	25.702	44.5	0.0	0.0	0.0	0.0
79.0	20.290	36.337	25.722	44.4	0.0	0.0	0.0	0.0
80.0	20.244	36.330	25.729	44.4	0.0	0.0	0.0	0.0
81.0	20.213	36.330	25.737	44.2	0.0	0.0	0.0	0.0
82.0	20.157	36.335	25.756	44.1	0.0	0.0	0.0	0.0
83.0	20.101	36.351	25.783	44.1	0.0	0.0	0.0	0.0
84.0	20.026	36.361	25.811	44.1	0.0	0.0	0.0	0.0
85.0	19.897	36.367	25.849	43.9	0.0	0.0	0.0	0.0
86.0	19.809	36.365	25.870	43.9	0.0	0.0	0.0	0.0
87.0	19.782	36.356	25.871	43.7	0.0	0.0	0.0	0.0
88.0	19.732	36.360	25.887	43.3	0.0	0.0	0.0	0.0
89.0	19.681	36.366	25.905	43.2	0.0	0.0	0.0	0.0
90.0	19.641	36.365	25.915	43.3	0.0	0.0	0.0	0.0
91.0	19.594	36.347	25.914	43.7	0.0	0.0	0.0	0.0
92.0	19.509	36.337	25.928	44.0	0.0	0.0	0.0	0.0
93.0	19.422	36.351	25.962	44.0	0.0	0.0	0.0	0.0
94.0	19.380	36.349	25.986	44.0	0.0	0.0	0.0	0.0
95.0	19.375	36.367	25.986	43.6	0.0	0.0	0.0	0.0
96.0	19.340	36.375	26.001	42.8	0.0	0.0	0.0	0.0
97.0	19.272	36.383	26.025	41.5	0.0	0.0	0.0	0.0
98.0	18.928	36.416	26.139	39.4	0.0	0.0	0.0	0.0
99.0	18.660	36.406	26.200	37.3	0.0	0.0	0.0	0.0
100.0	18.610	36.377	26.190	35.5	0.0	0.0	0.0	0.0
101.0	18.581	36.370	26.192	34.2	0.0	0.0	0.0	0.0
102.0	18.560	36.368	26.196	34.0	0.0	0.0	0.0	0.0

Station: 4
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.24 N
 Longitude 93 35.37 W
 Time: Year Day Hour Minute
 1981 196 21 51

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.703	35.964	22.571	55.7	0.0	0.0	0.0	0.0
2.0	29.682	35.937	22.558	55.9	0.0	0.0	0.0	0.0
3.0	29.656	35.955	22.580	55.8	0.0	0.0	0.0	0.0
4.0	29.680	35.942	22.563	55.8	0.0	0.0	0.0	0.0
5.0	29.695	35.947	22.561	55.9	0.0	0.0	0.0	0.0
6.0	29.663	35.991	22.605	55.8	0.0	0.0	0.0	0.0
7.0	29.686	36.013	22.630	55.7	0.0	0.0	0.0	0.0
8.0	29.615	36.032	22.652	55.5	0.0	0.0	0.0	0.0
9.0	29.572	36.035	22.669	55.5	0.0	0.0	0.0	0.0
10.0	29.517	36.040	22.691	55.3	0.0	0.0	0.0	0.0
11.0	29.538	36.041	22.685	55.2	0.0	0.0	0.0	0.0
12.0	29.533	36.026	22.675	55.6	0.0	0.0	0.0	0.0
13.0	29.519	36.029	22.683	55.7	0.0	0.0	0.0	0.0
14.0	29.521	36.034	22.685	55.6	0.0	0.0	0.0	0.0
15.0	29.515	36.033	22.687	55.4	0.0	0.0	0.0	0.0
16.0	29.506	36.035	22.691	55.1	0.0	0.0	0.0	0.0
17.0	29.500	36.032	22.691	54.8	0.0	0.0	0.0	0.0
18.0	29.495	36.025	22.687	54.5	0.0	0.0	0.0	0.0
19.0	29.480	36.025	22.692	54.6	0.0	0.0	0.0	0.0
20.0	29.450	36.031	22.703	54.3	0.0	0.0	0.0	0.0
21.0	29.399	36.058	22.745	54.3	0.0	0.0	0.0	0.0
22.0	29.359	36.089	22.782	54.7	0.0	0.0	0.0	0.0
23.0	29.226	36.181	22.896	54.8	0.0	0.0	0.0	0.0
24.0	28.896	36.333	23.113	54.9	0.0	0.0	0.0	0.0
25.0	28.640	36.399	23.256	54.9	0.0	0.0	0.0	0.0
26.0	28.579	36.389	23.268	54.8	0.0	0.0	0.0	0.0
27.0	28.479	36.406	23.314	54.8	0.0	0.0	0.0	0.0
28.0	28.412	36.406	23.337	54.7	0.0	0.0	0.0	0.0
29.0	28.371	36.404	23.349	54.3	0.0	0.0	0.0	0.0
30.0	28.336	36.403	23.360	54.3	0.0	0.0	0.0	0.0
31.0	28.314	36.400	23.365	53.9	0.0	0.0	0.0	0.0
32.0	28.294	36.398	23.370	53.3	0.0	0.0	0.0	0.0
33.0	28.272	36.394	23.374	53.3	0.0	0.0	0.0	0.0
34.0	28.256	36.390	23.377	53.3	0.0	0.0	0.0	0.0
35.0	28.216	36.392	23.391	54.0	0.0	0.0	0.0	0.0
36.0	28.176	36.399	23.410	53.8	0.0	0.0	0.0	0.0
37.0	28.144	36.400	23.421	53.4	0.0	0.0	0.0	0.0
38.0	28.055	36.399	23.450	53.0	0.0	0.0	0.0	0.0
39.0	27.887	36.394	23.501	52.5	0.0	0.0	0.0	0.0
40.0	27.657	36.400	23.580	52.5	0.0	0.0	0.0	0.0
41.0	27.361	36.395	23.673	52.3	0.0	0.0	0.0	0.0
42.0	26.916	36.337	23.772	51.9	0.0	0.0	0.0	0.0
43.0	26.164	36.253	23.948	51.4	0.0	0.0	0.0	0.0
44.0	25.495	36.200	24.116	51.1	0.0	0.0	0.0	0.0
45.0	24.768	36.179	24.323	51.0	0.0	0.0	0.0	0.0
46.0	24.156	36.199	24.522	51.3	0.0	0.0	0.0	0.0
47.0	23.820	36.204	24.626	51.3	0.0	0.0	0.0	0.0
48.0	23.662	36.203	24.675	51.2	0.0	0.0	0.0	0.0
49.0	23.590	36.204	24.693	52.0	0.0	0.0	0.0	0.0

Station: 5
 Cruise : 81-N8-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.23 N
 Longitude 93 36.66 W
 Time: Year Day Hour Minute
 1981 196 22 22

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	30.218	35.773	22.251	55.8	0.0	0.0	0.0	0.0
1.0	30.212	35.784	22.241	55.0	0.0	0.0	0.0	0.0
2.0	29.993	35.786	22.359	54.5	0.0	0.0	0.0	0.0
3.0	29.772	35.794	22.420	54.1	0.0	0.0	0.0	0.0
4.0	29.769	35.802	22.427	53.9	0.0	0.0	0.0	0.0
5.0	29.789	35.805	22.422	54.0	0.0	0.0	0.0	0.0
6.0	29.821	35.808	22.414	54.3	0.0	0.0	0.0	0.0
7.0	29.811	35.812	22.420	54.1	0.0	0.0	0.0	0.0
8.0	29.796	35.819	22.451	53.7	0.0	0.0	0.0	0.0
9.0	29.696	35.821	22.466	53.5	0.0	0.0	0.0	0.0
10.0	29.681	35.822	22.472	53.3	0.0	0.0	0.0	0.0
11.0	29.613	35.878	22.537	54.3	0.0	0.0	0.0	0.0
12.0	29.469	35.956	22.644	54.6	0.0	0.0	0.0	0.0
13.0	29.411	35.993	22.692	54.9	0.0	0.0	0.0	0.0
14.0	29.360	35.993	22.709	54.9	0.0	0.0	0.0	0.0
15.0	29.245	36.026	22.773	54.6	0.0	0.0	0.0	0.0
16.0	29.119	36.077	22.854	54.3	0.0	0.0	0.0	0.0
17.0	29.069	36.074	22.868	54.1	0.0	0.0	0.0	0.0
18.0	29.067	36.073	22.868	54.2	0.0	0.0	0.0	0.0
19.0	29.068	36.188	22.954	54.3	0.0	0.0	0.0	0.0
20.0	28.952	36.326	23.097	54.3	0.0	0.0	0.0	0.0
21.0	28.819	36.426	23.217	54.2	0.0	0.0	0.0	0.0
22.0	28.776	36.431	23.234	54.1	0.0	0.0	0.0	0.0
23.0	28.749	36.424	23.238	53.9	0.0	0.0	0.0	0.0
24.0	28.698	36.418	23.251	53.6	0.0	0.0	0.0	0.0
25.0	28.632	36.418	23.276	53.5	0.0	0.0	0.0	0.0
26.0	28.562	36.418	23.296	53.3	0.0	0.0	0.0	0.0
27.0	28.513	36.412	23.303	53.2	0.0	0.0	0.0	0.0
28.0	28.410	36.409	23.340	53.0	0.0	0.0	0.0	0.0
29.0	28.323	36.416	23.374	52.9	0.0	0.0	0.0	0.0
30.0	28.284	36.417	23.388	52.8	0.0	0.0	0.0	0.0
31.0	28.219	36.423	23.414	52.5	0.0	0.0	0.0	0.0
32.0	28.152	36.418	23.432	52.6	0.0	0.0	0.0	0.0
33.0	28.073	36.415	23.456	52.0	0.0	0.0	0.0	0.0
34.0	28.001	36.414	23.479	52.3	0.0	0.0	0.0	0.0
35.0	27.918	36.413	23.505	51.9	0.0	0.0	0.0	0.0
36.0	27.816	36.413	23.536	51.6	0.0	0.0	0.0	0.0
37.0	27.702	36.404	23.569	51.7	0.0	0.0	0.0	0.0
38.0	27.507	36.400	23.629	51.5	0.0	0.0	0.0	0.0
39.0	27.301	36.387	23.686	51.2	0.0	0.0	0.0	0.0
40.0	27.110	36.408	23.763	50.9	0.0	0.0	0.0	0.0
41.0	26.893	36.414	23.838	50.6	0.0	0.0	0.0	0.0
42.0	26.795	36.405	23.862	50.9	0.0	0.0	0.0	0.0
43.0	26.769	36.391	23.860	50.9	0.0	0.0	0.0	0.0
44.0	26.732	36.399	23.878	49.9	0.0	0.0	0.0	0.0
45.0	26.703	36.384	23.876	49.5	0.0	0.0	0.0	0.0
46.0	26.679	36.381	23.881	49.7	0.0	0.0	0.0	0.0
47.0	26.520	36.386	23.936	50.2	0.0	0.0	0.0	0.0
48.0	26.193	36.370	24.027	49.6	0.0	0.0	0.0	0.0
49.0	25.415	36.375	24.273	48.5	0.0	0.0	0.0	0.0
50.0	23.924	36.415	24.754	48.7	0.0	0.0	0.0	0.0

Station: 6
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.56 N
 Longitude 93 37.24 W
 Time: Year Day Hour Minute
 1981 196 22 46

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
3.0	29.898	35.818	22.395	55.5	0.0	0.0	0.0	0.0
4.0	29.873	35.760	22.360	54.8	0.0	0.0	0.0	0.0
5.0	29.799	35.706	22.345	55.3	0.0	0.0	0.0	0.0
6.0	29.735	35.644	22.320	55.5	0.0	0.0	0.0	0.0
7.0	29.710	35.554	22.261	55.6	0.0	0.0	0.0	0.0
8.0	29.681	35.465	22.204	55.4	0.0	0.0	0.0	0.0
9.0	29.659	35.369	22.189	55.5	0.0	0.0	0.0	0.0
10.0	29.623	35.285	22.089	55.5	0.0	0.0	0.0	0.0
11.0	29.563	35.219	22.060	55.5	0.0	0.0	0.0	0.0
12.0	29.547	35.117	21.988	55.4	0.0	0.0	0.0	0.0
13.0	29.541	35.008	21.908	55.3	0.0	0.0	0.0	0.0
14.0	29.516	34.916	21.849	55.0	0.0	0.0	0.0	0.0
15.0	29.471	34.855	21.818	54.9	0.0	0.0	0.0	0.0
16.0	29.420	34.807	21.799	54.8	0.0	0.0	0.0	0.0
17.0	29.395	34.749	21.764	54.8	0.0	0.0	0.0	0.0
18.0	29.333	34.714	21.757	54.9	0.0	0.0	0.0	0.0
19.0	29.236	34.717	21.793	55.0	0.0	0.0	0.0	0.0
20.0	29.127	34.737	21.846	55.1	0.0	0.0	0.0	0.0
21.0	29.069	34.725	21.855	55.1	0.0	0.0	0.0	0.0
22.0	28.997	34.706	21.866	54.8	0.0	0.0	0.0	0.0
23.0	28.910	34.688	21.881	54.4	0.0	0.0	0.0	0.0
24.0	28.817	34.657	21.889	54.2	0.0	0.0	0.0	0.0
25.0	28.771	34.607	21.866	54.4	0.0	0.0	0.0	0.0
26.0	28.676	34.602	21.894	54.6	0.0	0.0	0.0	0.0
27.0	28.482	34.658	22.001	54.7	0.0	0.0	0.0	0.0
28.0	28.403	34.631	22.006	54.5	0.0	0.0	0.0	0.0
29.0	28.415	34.535	21.930	54.2	0.0	0.0	0.0	0.0
30.0	28.401	34.455	21.875	54.0	0.0	0.0	0.0	0.0
31.0	28.387	34.375	21.819	53.8	0.0	0.0	0.0	0.0
32.0	28.286	34.375	21.853	53.4	0.0	0.0	0.0	0.0
33.0	28.210	34.361	21.868	53.1	0.0	0.0	0.0	0.0
34.0	28.125	34.355	21.890	52.9	0.0	0.0	0.0	0.0
35.0	28.017	34.379	21.944	52.5	0.0	0.0	0.0	0.0
36.0	27.827	34.452	22.061	52.2	0.0	0.0	0.0	0.0
37.0	27.619	34.528	22.185	52.2	0.0	0.0	0.0	0.0
38.0	27.397	34.615	22.222	52.1	0.0	0.0	0.0	0.0
39.0	27.085	34.771	22.539	51.9	0.0	0.0	0.0	0.0
40.0	26.857	34.867	22.685	51.5	0.0	0.0	0.0	0.0
41.0	26.574	35.004	22.877	51.4	0.0	0.0	0.0	0.0
42.0	26.378	35.077	22.994	51.2	0.0	0.0	0.0	0.0
43.0	25.950	35.324	23.315	51.1	0.0	0.0	0.0	0.0
44.0	25.709	35.430	23.469	50.9	0.0	0.0	0.0	0.0
45.0	25.650	35.397	23.463	50.7	0.0	0.0	0.0	0.0
46.0	25.407	35.506	23.619	50.5	0.0	0.0	0.0	0.0
47.0	25.188	35.636	23.800	50.4	0.0	0.0	0.0	0.0
48.0	24.870	35.768	23.982	50.5	0.0	0.0	0.0	0.0
49.0	24.619	35.886	24.146	50.3	0.0	0.0	0.0	0.0
50.0	24.307	36.055	24.368	50.1	0.0	0.0	0.0	0.0
51.0	23.785	36.395	24.781	49.9	0.0	0.0	0.0	0.0
52.0	23.420	36.611	25.052	49.6	0.0	0.0	0.0	0.0
53.0	23.235	36.679	25.158	49.7	0.0	0.0	0.0	0.0
54.0	23.072	36.731	25.244	49.7	0.0	0.0	0.0	0.0
55.0	22.927	36.768	25.314	49.7	0.0	0.0	0.0	0.0
56.0	22.742	36.838	25.421	49.7	0.0	0.0	0.0	0.0
57.0	22.594	36.874	25.491	49.4	0.0	0.0	0.0	0.0
58.0	22.466	36.897	25.545	49.1	0.0	0.0	0.0	0.0
59.0	22.305	36.950	25.631	48.8	0.0	0.0	0.0	0.0
60.0	22.208	36.959	25.666	48.6	0.0	0.0	0.0	0.0
61.0	22.163	36.950	25.671	48.5	0.0	0.0	0.0	0.0
62.0	22.129	36.917	25.656	48.3	0.0	0.0	0.0	0.0

Station: 6
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 55.56 N
 Longitude 93 37.24 W
 Time: Year Day Hour Minute
 1981 196 22 46

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
63.0	22.099	36.875	25.632	48.2	0.0	0.0	0.0	0.0
64.0	22.088	36.768	25.555	47.8	0.0	0.0	0.0	0.0
65.0	22.074	36.657	25.474	47.5	0.0	0.0	0.0	0.0
66.0	21.859	36.733	25.592	47.3	0.0	0.0	0.0	0.0
67.0	21.699	36.744	25.646	47.0	0.0	0.0	0.0	0.0
68.0	21.684	36.678	25.599	46.8	0.0	0.0	0.0	0.0
69.0	21.665	38.527	27.012	46.4	0.0	0.0	0.0	0.0
70.0	21.645	38.840	27.255	45.6	0.0	0.0	0.0	0.0

Station: 7
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.01 N
 Longitude 93 37.90 W
 Time: Year Day Hour Minute
 1981 196 23 13

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.860	35.747	22.354	55.2	0.0	0.0	0.0	0.0
2.0	29.769	35.754	22.391	55.2	0.0	0.0	0.0	0.0
3.0	29.670	35.761	22.430	55.0	0.0	0.0	0.0	0.0
4.0	29.656	35.764	22.437	54.8	0.0	0.0	0.0	0.0
5.0	29.712	35.793	22.440	54.6	0.0	0.0	0.0	0.0
6.0	29.735	35.856	22.462	54.6	0.0	0.0	0.0	0.0
7.0	29.758	35.900	22.504	54.7	0.0	0.0	0.0	0.0
8.0	29.690	35.910	22.535	54.6	0.0	0.0	0.0	0.0
9.0	29.671	35.921	22.549	54.5	0.0	0.0	0.0	0.0
10.0	29.681	35.937	22.559	54.5	0.0	0.0	0.0	0.0
11.0	29.678	35.947	22.567	54.4	0.0	0.0	0.0	0.0
12.0	29.648	35.973	22.589	54.4	0.0	0.0	0.0	0.0
13.0	29.621	35.986	22.615	54.5	0.0	0.0	0.0	0.0
14.0	29.544	35.991	22.645	54.4	0.0	0.0	0.0	0.0
15.0	29.503	36.005	22.670	54.0	0.0	0.0	0.0	0.0
16.0	29.497	36.029	22.690	54.0	0.0	0.0	0.0	0.0
17.0	29.496	36.057	22.711	54.2	0.0	0.0	0.0	0.0
18.0	29.480	36.097	22.746	54.5	0.0	0.0	0.0	0.0
19.0	29.431	36.133	22.791	54.5	0.0	0.0	0.0	0.0
20.0	29.386	36.147	22.816	54.2	0.0	0.0	0.0	0.0
21.0	29.351	36.152	22.832	54.1	0.0	0.0	0.0	0.0
22.0	29.296	36.164	22.859	53.8	0.0	0.0	0.0	0.0
23.0	29.137	36.218	22.953	53.7	0.0	0.0	0.0	0.0
24.0	28.815	36.206	23.053	53.9	0.0	0.0	0.0	0.0
25.0	28.581	36.169	23.103	54.1	0.0	0.0	0.0	0.0
26.0	28.589	36.173	23.103	54.1	0.0	0.0	0.0	0.0
27.0	28.655	36.271	23.155	53.9	0.0	0.0	0.0	0.0
28.0	28.722	36.384	23.217	53.9	0.0	0.0	0.0	0.0
29.0	28.639	36.395	23.253	53.4	0.0	0.0	0.0	0.0
30.0	28.500	36.388	23.294	53.0	0.0	0.0	0.0	0.0
31.0	28.421	36.384	23.317	52.6	0.0	0.0	0.0	0.0
32.0	28.383	36.393	23.340	52.6	0.0	0.0	0.0	0.0
33.0	28.362	36.418	23.363	52.6	0.0	0.0	0.0	0.0
34.0	28.327	36.414	23.371	53.0	0.0	0.0	0.0	0.0
35.0	28.298	36.411	23.379	53.2	0.0	0.0	0.0	0.0
36.0	28.242	36.406	23.393	52.8	0.0	0.0	0.0	0.0
37.0	28.154	36.413	23.427	52.0	0.0	0.0	0.0	0.0
38.0	27.830	36.413	23.534	51.8	0.0	0.0	0.0	0.0
39.0	27.441	36.413	23.660	51.6	0.0	0.0	0.0	0.0
40.0	27.103	36.416	23.772	51.1	0.0	0.0	0.0	0.0
41.0	26.795	36.407	23.864	50.9	0.0	0.0	0.0	0.0
42.0	26.346	36.409	24.003	50.6	0.0	0.0	0.0	0.0
43.0	25.938	36.367	24.105	50.2	0.0	0.0	0.0	0.0
44.0	25.677	36.342	24.167	50.1	0.0	0.0	0.0	0.0
45.0	25.367	36.343	24.263	50.5	0.0	0.0	0.0	0.0
46.0	24.947	36.303	24.362	50.4	0.0	0.0	0.0	0.0
47.0	24.406	36.321	24.540	49.9	0.0	0.0	0.0	0.0
48.0	24.117	36.310	24.618	49.7	0.0	0.0	0.0	0.0
49.0	23.954	36.300	24.688	49.8	0.0	0.0	0.0	0.0
50.0	23.726	36.290	24.719	50.1	0.0	0.0	0.0	0.0
51.0	23.539	36.280	24.766	50.0	0.0	0.0	0.0	0.0
52.0	23.263	36.275	24.843	49.8	0.0	0.0	0.0	0.0
53.0	23.064	36.266	24.894	49.6	0.0	0.0	0.0	0.0
54.0	22.971	36.253	24.915	49.5	0.0	0.0	0.0	0.0
55.0	22.784	36.267	24.976	49.3	0.0	0.0	0.0	0.0
56.0	22.619	36.274	25.029	48.9	0.0	0.0	0.0	0.0
57.0	22.494	36.281	25.069	48.6	0.0	0.0	0.0	0.0
58.0	22.383	36.291	25.109	48.6	0.0	0.0	0.0	0.0
59.0	22.286	36.298	25.141	48.6	0.0	0.0	0.0	0.0
60.0	22.169	36.299	25.175	48.2	0.0	0.0	0.0	0.0

Station: 7
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.01 N
 Longitude 93 37.90 W
 Time: Year Day Hour Minute
 1981 196 23 13

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dir.ec des
61.0	22.048	36.296	25.208	47.9	0.0	0.0	0.0	0.0
62.0	21.989	36.292	25.221	47.9	0.0	0.0	0.0	0.0
63.0	21.920	36.285	25.235	47.9	0.0	0.0	0.0	0.0
64.0	21.847	36.286	25.256	48.0	0.0	0.0	0.0	0.0
65.0	21.750	36.287	25.284	47.7	0.0	0.0	0.0	0.0
66.0	21.635	36.284	25.314	47.2	0.0	0.0	0.0	0.0
67.0	21.519	36.282	25.345	46.8	0.0	0.0	0.0	0.0
68.0	21.494	36.282	25.352	46.4	0.0	0.0	0.0	0.0
69.0	21.469	36.284	25.360	45.9	0.0	0.0	0.0	0.0
70.0	21.444	36.286	25.369	45.4	0.0	0.0	0.0	0.0
71.0	20.897	36.313	25.539	45.4	0.0	0.0	0.0	0.0
72.0	20.642	36.325	25.618	45.3	0.0	0.0	0.0	0.0
73.0	20.617	36.326	25.625	45.3	0.0	0.0	0.0	0.0
74.0	20.571	36.329	25.640	45.1	0.0	0.0	0.0	0.0
75.0	20.383	36.347	25.705	45.8	0.0	0.0	0.0	0.0
76.0	20.056	36.364	25.805	42.1	0.0	0.0	0.0	0.0
77.0	19.914	36.362	25.841	40.7	0.0	0.0	0.0	0.0
78.0	19.836	36.364	25.863	39.5	0.0	0.0	0.0	0.0
79.0	19.727	36.369	25.895	38.6	0.0	0.0	0.0	0.0
80.0	19.680	36.368	25.907	38.4	0.0	0.0	0.0	0.0
81.0	19.625	36.370	25.923	38.6	0.0	0.0	0.0	0.0
82.0	19.535	36.372	25.948	38.8	0.0	0.0	0.0	0.0
83.0	19.529	36.363	25.948	38.7	0.0	0.0	0.0	0.0
84.0	19.484	36.369	25.959	38.3	0.0	0.0	0.0	0.0
85.0	19.412	36.373	25.981	37.7	0.0	0.0	0.0	0.0
86.0	19.391	36.372	25.986	37.4	0.0	0.0	0.0	0.0
87.0	19.363	36.376	25.996	37.5	0.0	0.0	0.0	0.0
88.0	19.337	36.373	26.001	37.6	0.0	0.0	0.0	0.0
89.0	19.337	36.372	26.000	37.5	0.0	0.0	0.0	0.0
90.0	19.337	36.375	26.002	37.2	0.0	0.0	0.0	0.0

Station: 8
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.41 N
 Longitude 93 08.77 W
 Time: Year Day Hour Minute
 1981 196 23 41

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	30.266	35.782	22.242	57.1	0.0	0.0	0.0	0.0
1.0	30.213	35.784	22.261	57.7	0.0	0.0	0.0	0.0
2.0	30.072	35.779	22.306	57.8	0.0	0.0	0.0	0.0
3.0	29.941	35.786	22.356	57.7	0.0	0.0	0.0	0.0
4.0	29.849	35.803	22.400	57.9	0.0	0.0	0.0	0.0
5.0	29.755	35.815	22.441	58.1	0.0	0.0	0.0	0.0
6.0	29.695	35.823	22.467	57.9	0.0	0.0	0.0	0.0
7.0	29.680	35.831	22.479	57.5	0.0	0.0	0.0	0.0
8.0	29.667	35.830	22.482	56.9	0.0	0.0	0.0	0.0
9.0	29.642	35.834	22.495	56.6	0.0	0.0	0.0	0.0
10.0	29.628	35.839	22.502	56.5	0.0	0.0	0.0	0.0
11.0	29.621	35.838	22.505	56.4	0.0	0.0	0.0	0.0
12.0	29.585	35.840	22.518	56.7	0.0	0.0	0.0	0.0
13.0	29.547	35.853	22.545	56.8	0.0	0.0	0.0	0.0
14.0	29.531	35.859	22.576	56.8	0.0	0.0	0.0	0.0
15.0	29.524	35.905	22.587	57.2	0.0	0.0	0.0	0.0
16.0	29.518	35.910	22.593	57.6	0.0	0.0	0.0	0.0
17.0	29.516	35.914	22.597	57.8	0.0	0.0	0.0	0.0
18.0	29.516	35.926	22.606	57.8	0.0	0.0	0.0	0.0
19.0	29.522	35.970	22.637	57.8	0.0	0.0	0.0	0.0
20.0	29.519	36.015	22.672	57.6	0.0	0.0	0.0	0.0
21.0	29.414	35.996	22.693	57.3	0.0	0.0	0.0	0.0
22.0	29.202	35.996	22.765	57.0	0.0	0.0	0.0	0.0
23.0	28.943	35.996	22.851	56.8	0.0	0.0	0.0	0.0
24.0	28.842	36.001	22.890	57.0	0.0	0.0	0.0	0.0
25.0	28.870	36.054	22.920	56.9	0.0	0.0	0.0	0.0
26.0	28.707	36.097	23.006	56.5	0.0	0.0	0.0	0.0
27.0	28.662	36.232	23.123	56.3	0.0	0.0	0.0	0.0
28.0	28.735	36.366	23.199	56.1	0.0	0.0	0.0	0.0
29.0	28.702	36.394	23.231	55.8	0.0	0.0	0.0	0.0
30.0	28.604	36.403	23.271	55.7	0.0	0.0	0.0	0.0
31.0	28.579	36.404	23.280	55.7	0.0	0.0	0.0	0.0
32.0	28.485	36.402	23.310	55.7	0.0	0.0	0.0	0.0
33.0	28.401	36.413	23.345	55.5	0.0	0.0	0.0	0.0
34.0	28.329	36.415	23.371	55.3	0.0	0.0	0.0	0.0
35.0	28.283	36.412	23.384	55.0	0.0	0.0	0.0	0.0
36.0	28.230	36.411	23.401	54.6	0.0	0.0	0.0	0.0
37.0	28.150	36.384	23.407	54.5	0.0	0.0	0.0	0.0
38.0	27.903	36.357	23.468	54.5	0.0	0.0	0.0	0.0
39.0	27.430	36.394	23.650	54.2	0.0	0.0	0.0	0.0
40.0	27.128	36.391	23.745	53.7	0.0	0.0	0.0	0.0
41.0	26.730	36.338	23.832	53.5	0.0	0.0	0.0	0.0
42.0	26.181	36.319	23.992	53.3	0.0	0.0	0.0	0.0
43.0	25.892	36.311	24.077	53.2	0.0	0.0	0.0	0.0
44.0	25.508	36.295	24.184	53.0	0.0	0.0	0.0	0.0
45.0	25.055	36.293	24.322	52.7	0.0	0.0	0.0	0.0
46.0	24.554	36.279	24.463	52.3	0.0	0.0	0.0	0.0
47.0	24.157	36.271	24.576	52.0	0.0	0.0	0.0	0.0
48.0	24.000	36.257	24.612	51.9	0.0	0.0	0.0	0.0
49.0	23.800	36.255	24.670	51.7	0.0	0.0	0.0	0.0
50.0	23.738	36.253	24.687	51.5	0.0	0.0	0.0	0.0
51.0	23.570	36.251	24.735	51.3	0.0	0.0	0.0	0.0
52.0	23.402	36.249	24.783	51.2	0.0	0.0	0.0	0.0
53.0	23.234	36.247	24.830	51.0	0.0	0.0	0.0	0.0
54.0	23.066	36.245	24.878	50.8	0.0	0.0	0.0	0.0
55.0	22.899	36.243	24.925	50.6	0.0	0.0	0.0	0.0
56.0	22.731	36.241	24.972	50.5	0.0	0.0	0.0	0.0
57.0	22.563	36.239	25.018	50.3	0.0	0.0	0.0	0.0
58.0	22.395	36.266	25.086	50.0	0.0	0.0	0.0	0.0
59.0	22.227	36.264	25.133	49.8	0.0	0.0	0.0	0.0

Station: 8
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.41 N
 Longitude 93 38.77 W
 Time: Year Day Hour Minute
 1981 196 23 41

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	22.059	36.280	25.192	49.6	0.0	0.0	0.0	0.0
61.0	21.895	36.270	25.231	49.5	0.0	0.0	0.0	0.0
62.0	21.819	36.263	25.247	49.5	0.0	0.0	0.0	0.0
63.0	21.784	36.279	25.269	49.4	0.0	0.0	0.0	0.0
64.0	21.706	36.287	25.296	49.3	0.0	0.0	0.0	0.0
65.0	21.618	36.284	25.319	49.2	0.0	0.0	0.0	0.0
66.0	21.489	36.281	25.352	49.0	0.0	0.0	0.0	0.0
67.0	21.371	36.286	25.389	48.8	0.0	0.0	0.0	0.0
68.0	21.274	36.285	25.415	48.4	0.0	0.0	0.0	0.0
69.0	21.175	36.290	25.446	47.9	0.0	0.0	0.0	0.0
70.0	21.117	36.294	25.465	47.7	0.0	0.0	0.0	0.0
71.0	21.097	36.296	25.472	47.6	0.0	0.0	0.0	0.0
72.0	21.023	36.300	25.495	47.4	0.0	0.0	0.0	0.0
73.0	20.829	36.309	25.555	47.2	0.0	0.0	0.0	0.0
74.0	20.668	36.300	25.591	46.6	0.0	0.0	0.0	0.0
75.0	20.549	36.319	25.639	45.7	0.0	0.0	0.0	0.0
76.0	20.387	36.330	25.690	44.6	0.0	0.0	0.0	0.0
77.0	20.210	36.331	25.739	43.1	0.0	0.0	0.0	0.0
78.0	20.044	36.357	25.803	41.6	0.0	0.0	0.0	0.0
79.0	19.929	36.364	25.838	40.5	0.0	0.0	0.0	0.0
80.0	19.845	36.358	25.856	39.5	0.0	0.0	0.0	0.0
81.0	19.787	36.354	25.869	38.5	0.0	0.0	0.0	0.0
82.0	19.700	36.358	25.894	37.5	0.0	0.0	0.0	0.0
83.0	19.653	36.362	25.910	37.0	0.0	0.0	0.0	0.0
84.0	19.632	36.359	25.913	37.2	0.0	0.0	0.0	0.0
85.0	19.607	36.354	25.916	37.5	0.0	0.0	0.0	0.0
86.0	19.601	36.357	25.919	37.9	0.0	0.0	0.0	0.0
87.0	19.488	36.360	25.952	38.3	0.0	0.0	0.0	0.0
88.0	19.423	36.365	25.972	38.6	0.0	0.0	0.0	0.0
89.0	19.312	36.369	26.004	38.5	0.0	0.0	0.0	0.0
90.0	19.260	36.366	26.015	38.1	0.0	0.0	0.0	0.0
91.0	19.202	36.372	26.035	37.5	0.0	0.0	0.0	0.0
92.0	19.162	36.381	26.052	36.9	0.0	0.0	0.0	0.0
93.0	19.111	36.386	26.069	36.3	0.0	0.0	0.0	0.0
94.0	19.062	36.391	26.085	35.9	0.0	0.0	0.0	0.0
95.0	19.032	36.395	26.096	35.5	0.0	0.0	0.0	0.0
96.0	19.006	36.396	26.104	34.9	0.0	0.0	0.0	0.0
97.0	18.994	36.398	26.108	34.3	0.0	0.0	0.0	0.0
98.0	18.992	36.398	26.109	34.3	0.0	0.0	0.0	0.0
99.0	18.992	36.399	26.109	34.2	0.0	0.0	0.0	0.0

Station: 9
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.21 N
 Longitude 93 38.20 W
 Time: Year Day Hour Minute
 1981 197 0 31

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.847	35.812	22.408	57.4	0.0	0.0	0.0	0.0
2.0	29.837	35.810	22.410	56.9	0.0	0.0	0.0	0.0
3.0	29.824	35.815	22.418	56.9	0.0	0.0	0.0	0.0
4.0	29.809	35.818	22.425	57.2	0.0	0.0	0.0	0.0
5.0	29.797	35.809	22.422	57.1	0.0	0.0	0.0	0.0
6.0	29.779	35.801	22.423	57.1	0.0	0.0	0.0	0.0
7.0	29.687	35.795	22.450	56.9	0.0	0.0	0.0	0.0
8.0	29.534	35.780	22.490	57.0	0.0	0.0	0.0	0.0
9.0	29.404	35.767	22.525	57.2	0.0	0.0	0.0	0.0
10.0	29.324	35.780	22.562	57.3	0.0	0.0	0.0	0.0
11.0	29.301	35.797	22.582	57.2	0.0	0.0	0.0	0.0
12.0	29.268	35.809	22.595	57.0	0.0	0.0	0.0	0.0
13.0	29.328	35.850	22.613	56.7	0.0	0.0	0.0	0.0
14.0	29.430	35.950	22.654	56.5	0.0	0.0	0.0	0.0
15.0	29.498	36.015	22.679	56.7	0.0	0.0	0.0	0.0
16.0	29.504	36.028	22.687	56.6	0.0	0.0	0.0	0.0
17.0	29.554	36.070	22.701	56.2	0.0	0.0	0.0	0.0
18.0	29.559	36.087	22.713	55.9	0.0	0.0	0.0	0.0
19.0	29.539	36.083	22.720	55.9	0.0	0.0	0.0	0.0
20.0	29.516	36.093	22.732	56.3	0.0	0.0	0.0	0.0
21.0	29.276	36.109	22.824	56.9	0.0	0.0	0.0	0.0
22.0	29.041	36.226	22.992	57.0	0.0	0.0	0.0	0.0
23.0	28.941	36.357	23.123	56.7	0.0	0.0	0.0	0.0
24.0	28.840	36.381	23.175	56.3	0.0	0.0	0.0	0.0
25.0	28.828	36.384	23.182	55.6	0.0	0.0	0.0	0.0
26.0	28.817	36.390	23.190	55.6	0.0	0.0	0.0	0.0
27.0	28.749	36.410	23.228	56.1	0.0	0.0	0.0	0.0
28.0	28.604	36.437	23.297	56.0	0.0	0.0	0.0	0.0
29.0	28.533	36.439	23.321	55.8	0.0	0.0	0.0	0.0
30.0	28.519	36.431	23.321	55.6	0.0	0.0	0.0	0.0
31.0	28.441	36.423	23.344	55.6	0.0	0.0	0.0	0.0
32.0	28.361	36.425	23.363	55.7	0.0	0.0	0.0	0.0
33.0	28.326	36.424	23.379	55.6	0.0	0.0	0.0	0.0
34.0	28.280	36.427	23.397	55.3	0.0	0.0	0.0	0.0
35.0	28.138	36.415	23.433	54.8	0.0	0.0	0.0	0.0
36.0	27.968	36.405	23.476	54.2	0.0	0.0	0.0	0.0
37.0	27.592	36.357	23.570	53.7	0.0	0.0	0.0	0.0
38.0	27.292	36.308	23.629	53.4	0.0	0.0	0.0	0.0
39.0	27.131	36.291	23.669	53.3	0.0	0.0	0.0	0.0
40.0	26.858	36.295	23.760	53.4	0.0	0.0	0.0	0.0
41.0	26.531	36.315	23.878	53.4	0.0	0.0	0.0	0.0
42.0	26.202	36.342	24.003	53.1	0.0	0.0	0.0	0.0
43.0	26.038	36.360	24.066	52.4	0.0	0.0	0.0	0.0
44.0	25.973	36.373	24.098	52.2	0.0	0.0	0.0	0.0
45.0	25.764	36.379	24.167	52.3	0.0	0.0	0.0	0.0
46.0	25.362	36.350	24.270	52.4	0.0	0.0	0.0	0.0
47.0	24.958	36.349	24.394	52.1	0.0	0.0	0.0	0.0
48.0	24.643	36.363	24.500	51.7	0.0	0.0	0.0	0.0
49.0	24.404	36.366	24.574	51.6	0.0	0.0	0.0	0.0
50.0	24.242	36.365	24.621	51.7	0.0	0.0	0.0	0.0
51.0	24.112	36.363	24.659	51.5	0.0	0.0	0.0	0.0
52.0	23.797	36.358	24.749	51.2	0.0	0.0	0.0	0.0
53.0	23.476	36.344	24.833	51.0	0.0	0.0	0.0	0.0
54.0	23.392	36.345	24.858	51.2	0.0	0.0	0.0	0.0
55.0	23.392	36.341	24.856	50.8	0.0	0.0	0.0	0.0
56.0	23.359	36.343	24.866	50.1	0.0	0.0	0.0	0.0
57.0	23.291	36.351	24.892	49.8	0.0	0.0	0.0	0.0
58.0	22.999	36.333	24.964	49.9	0.0	0.0	0.0	0.0
59.0	22.839	36.349	25.022	49.8	0.0	0.0	0.0	0.0
60.0	22.744	36.336	25.040	49.7	0.0	0.0	0.0	0.0

Station: 9
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.21 N
 Longitude 93 38.20 W
 Time: Year Day Hour Minute
 1981 197 0 31

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.629	36.333	25.070	49.5	0.0	0.0	0.0	0.0
62.0	22.514	36.313	25.088	49.5	0.0	0.0	0.0	0.0
63.0	22.476	36.316	25.101	49.4	0.0	0.0	0.0	0.0
64.0	22.400	36.326	25.131	49.1	0.0	0.0	0.0	0.0
65.0	22.240	36.335	25.182	48.7	0.0	0.0	0.0	0.0
66.0	22.057	36.324	25.226	48.4	0.0	0.0	0.0	0.0
67.0	21.896	36.316	25.265	47.9	0.0	0.0	0.0	0.0
68.0	21.763	36.320	25.306	47.5	0.0	0.0	0.0	0.0
69.0	21.679	36.307	25.320	47.5	0.0	0.0	0.0	0.0
70.0	21.659	36.306	25.324	47.6	0.0	0.0	0.0	0.0
71.0	21.651	36.298	25.321	47.4	0.0	0.0	0.0	0.0
72.0	21.642	36.298	25.323	47.3	0.0	0.0	0.0	0.0
73.0	21.627	36.296	25.325	47.2	0.0	0.0	0.0	0.0
74.0	21.574	36.299	25.342	47.1	0.0	0.0	0.0	0.0
75.0	21.491	36.290	25.370	47.0	0.0	0.0	0.0	0.0
76.0	21.291	36.305	25.425	46.8	0.0	0.0	0.0	0.0
77.0	21.168	36.315	25.467	46.8	0.0	0.0	0.0	0.0
78.0	21.089	36.308	25.483	46.8	0.0	0.0	0.0	0.0
79.0	21.077	36.307	25.486	46.5	0.0	0.0	0.0	0.0
80.0	21.024	36.298	25.493	46.2	0.0	0.0	0.0	0.0
81.0	20.909	36.300	25.526	45.9	0.0	0.0	0.0	0.0
82.0	20.824	36.304	25.552	46.0	0.0	0.0	0.0	0.0
83.0	20.760	36.309	25.574	45.9	0.0	0.0	0.0	0.0
84.0	20.676	36.317	25.602	45.4	0.0	0.0	0.0	0.0
85.0	20.559	36.333	25.647	44.8	0.0	0.0	0.0	0.0
86.0	20.375	36.343	25.704	44.0	0.0	0.0	0.0	0.0
87.0	20.233	36.347	25.745	43.4	0.0	0.0	0.0	0.0
88.0	20.181	36.354	25.764	43.1	0.0	0.0	0.0	0.0
89.0	20.061	36.370	25.808	43.0	0.0	0.0	0.0	0.0
90.0	19.909	36.387	25.861	42.8	0.0	0.0	0.0	0.0
91.0	19.787	36.401	25.904	42.5	0.0	0.0	0.0	0.0
92.0	19.585	36.406	25.961	41.8	0.0	0.0	0.0	0.0
93.0	19.490	36.393	25.976	40.9	0.0	0.0	0.0	0.0
94.0	19.434	36.401	25.997	40.2	0.0	0.0	0.0	0.0
95.0	19.389	36.391	26.001	39.7	0.0	0.0	0.0	0.0
96.0	19.376	36.383	25.998	39.4	0.0	0.0	0.0	0.0
97.0	19.327	36.384	26.012	39.2	0.0	0.0	0.0	0.0
98.0	19.282	36.387	26.026	38.9	0.0	0.0	0.0	0.0
99.0	19.246	36.390	26.037	38.7	0.0	0.0	0.0	0.0
100.0	19.244	36.389	26.037	38.6	0.0	0.0	0.0	0.0
101.0	19.241	36.388	26.037	38.7	0.0	0.0	0.0	0.0
102.0	19.240	36.388	26.037	38.6	0.0	0.0	0.0	0.0
103.0	19.240	36.387	26.036	38.5	0.0	0.0	0.0	0.0
104.0	19.241	36.385	26.035	38.3	0.0	0.0	0.0	0.0
105.0	19.241	36.384	26.034	38.0	0.0	0.0	0.0	0.0
106.0	19.242	36.384	26.034	37.8	0.0	0.0	0.0	0.0

Station: 10
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.46 N
 Longitude 93 37.64 W
 Time: Year Day Hour Minute
 1981 197 1 6

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	30.350	35.804	22.229	55.7	0.0	0.0	0.0	0.0
2.0	29.891	35.808	22.389	55.9	0.0	0.0	0.0	0.0
3.0	29.742	35.809	22.441	56.1	0.0	0.0	0.0	0.0
4.0	29.708	35.809	22.453	56.1	0.0	0.0	0.0	0.0
5.0	29.687	35.809	22.460	56.1	0.0	0.0	0.0	0.0
6.0	29.683	35.804	22.458	56.2	0.0	0.0	0.0	0.0
7.0	29.678	35.797	22.455	56.1	0.0	0.0	0.0	0.0
8.0	29.633	35.815	22.483	56.2	0.0	0.0	0.0	0.0
9.0	29.613	35.814	22.489	56.3	0.0	0.0	0.0	0.0
10.0	29.591	35.809	22.493	56.4	0.0	0.0	0.0	0.0
11.0	29.560	35.805	22.500	56.3	0.0	0.0	0.0	0.0
12.0	29.530	35.804	22.510	56.2	0.0	0.0	0.0	0.0
13.0	29.414	35.808	22.552	56.4	0.0	0.0	0.0	0.0
14.0	29.193	35.824	22.638	56.7	0.0	0.0	0.0	0.0
15.0	29.082	35.837	22.686	57.1	0.0	0.0	0.0	0.0
16.0	29.052	35.856	22.710	57.1	0.0	0.0	0.0	0.0
17.0	29.037	35.930	22.770	56.9	0.0	0.0	0.0	0.0
18.0	29.080	36.098	22.882	56.7	0.0	0.0	0.0	0.0
19.0	29.139	36.256	22.981	56.5	0.0	0.0	0.0	0.0
20.0	29.105	36.333	23.050	56.2	0.0	0.0	0.0	0.0
21.0	28.967	36.367	23.122	55.9	0.0	0.0	0.0	0.0
22.0	28.808	36.400	23.200	55.8	0.0	0.0	0.0	0.0
23.0	28.732	36.404	23.229	55.7	0.0	0.0	0.0	0.0
24.0	28.681	36.412	23.252	55.7	0.0	0.0	0.0	0.0
25.0	28.629	36.418	23.274	55.7	0.0	0.0	0.0	0.0
26.0	28.594	36.425	23.291	55.6	0.0	0.0	0.0	0.0
27.0	28.565	36.428	23.303	55.5	0.0	0.0	0.0	0.0
28.0	28.492	36.427	23.326	55.4	0.0	0.0	0.0	0.0
29.0	28.429	36.427	23.347	55.3	0.0	0.0	0.0	0.0
30.0	28.401	36.423	23.353	55.0	0.0	0.0	0.0	0.0
31.0	28.364	36.420	23.363	54.8	0.0	0.0	0.0	0.0
32.0	28.325	36.422	23.373	54.8	0.0	0.0	0.0	0.0
33.0	28.295	36.428	23.392	54.9	0.0	0.0	0.0	0.0
34.0	28.211	36.424	23.417	55.0	0.0	0.0	0.0	0.0
35.0	28.115	36.420	23.445	55.0	0.0	0.0	0.0	0.0
36.0	28.028	36.417	23.472	54.8	0.0	0.0	0.0	0.0
37.0	27.696	36.392	23.562	54.2	0.0	0.0	0.0	0.0
38.0	27.256	36.365	23.684	53.4	0.0	0.0	0.0	0.0
39.0	27.178	36.376	23.718	52.9	0.0	0.0	0.0	0.0
40.0	27.016	36.368	23.763	52.7	0.0	0.0	0.0	0.0
41.0	26.760	36.354	23.835	52.6	0.0	0.0	0.0	0.0
42.0	26.589	36.372	23.903	52.5	0.0	0.0	0.0	0.0
43.0	26.524	36.365	23.918	52.4	0.0	0.0	0.0	0.0
44.0	26.485	36.360	23.927	52.3	0.0	0.0	0.0	0.0
45.0	26.254	36.334	23.960	52.1	0.0	0.0	0.0	0.0
46.0	25.685	36.340	24.163	51.6	0.0	0.0	0.0	0.0
47.0	25.323	36.350	24.282	51.3	0.0	0.0	0.0	0.0
48.0	25.270	36.358	24.305	51.5	0.0	0.0	0.0	0.0
49.0	25.144	36.346	24.335	51.6	0.0	0.0	0.0	0.0
50.0	24.828	36.359	24.441	51.4	0.0	0.0	0.0	0.0
51.0	23.874	36.316	24.695	51.0	0.0	0.0	0.0	0.0
52.0	23.434	36.278	24.795	50.5	0.0	0.0	0.0	0.0
53.0	23.381	36.276	24.809	50.1	0.0	0.0	0.0	0.0
54.0	23.366	36.276	24.814	49.8	0.0	0.0	0.0	0.0
55.0	23.349	36.286	24.826	49.7	0.0	0.0	0.0	0.0
56.0	23.189	36.258	24.852	49.3	0.0	0.0	0.0	0.0
57.0	22.916	36.261	24.934	48.9	0.0	0.0	0.0	0.0
58.0	22.672	36.273	25.013	48.7	0.0	0.0	0.0	0.0
59.0	22.482	36.262	25.059	48.5	0.0	0.0	0.0	0.0
60.0	22.413	36.277	25.090	48.4	0.0	0.0	0.0	0.0

Station: 10
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.46 N
 Longitude 93 37.64 W
 Time: Year Day Hour Minute
 1981 197 1 6

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direc des
61.0	22.306	36.253	25.102	48.3	0.0	0.0	0.0	0.0
62.0	22.197	36.240	25.123	48.3	0.0	0.0	0.0	0.0
63.0	22.139	36.232	25.133	48.2	0.0	0.0	0.0	0.0
64.0	22.014	36.227	25.165	48.0	0.0	0.0	0.0	0.0
65.0	21.879	36.227	25.203	47.7	0.0	0.0	0.0	0.0
66.0	21.780	36.234	25.236	47.6	0.0	0.0	0.0	0.0
67.0	21.667	36.240	25.272	47.5	0.0	0.0	0.0	0.0
68.0	21.606	36.242	25.290	47.1	0.0	0.0	0.0	0.0
69.0	21.538	36.250	25.315	46.7	0.0	0.0	0.0	0.0
70.0	21.504	36.256	25.329	46.5	0.0	0.0	0.0	0.0
71.0	21.408	36.262	25.360	46.4	0.0	0.0	0.0	0.0
72.0	21.309	36.266	25.391	46.0	0.0	0.0	0.0	0.0
73.0	21.267	36.275	25.409	45.6	0.0	0.0	0.0	0.0
74.0	21.229	36.282	25.425	45.3	0.0	0.0	0.0	0.0
75.0	21.150	36.288	25.452	45.2	0.0	0.0	0.0	0.0
76.0	21.082	36.287	25.469	45.4	0.0	0.0	0.0	0.0
77.0	21.060	36.286	25.475	45.4	0.0	0.0	0.0	0.0
78.0	21.041	36.282	25.477	45.4	0.0	0.0	0.0	0.0
79.0	21.017	36.279	25.481	45.4	0.0	0.0	0.0	0.0
80.0	20.997	36.280	25.487	45.2	0.0	0.0	0.0	0.0
81.0	20.908	36.290	25.519	44.9	0.0	0.0	0.0	0.0
82.0	20.793	36.300	25.553	44.7	0.0	0.0	0.0	0.0
83.0	20.730	36.307	25.581	44.5	0.0	0.0	0.0	0.0
84.0	20.648	36.305	25.601	44.4	0.0	0.0	0.0	0.0
85.0	20.441	36.325	25.672	44.3	0.0	0.0	0.0	0.0
86.0	20.196	36.346	25.753	44.3	0.0	0.0	0.0	0.0
87.0	20.001	36.353	25.811	44.5	0.0	0.0	0.0	0.0
88.0	19.933	36.355	25.830	44.7	0.0	0.0	0.0	0.0
89.0	19.898	36.353	25.838	44.2	0.0	0.0	0.0	0.0
90.0	19.807	36.355	25.864	42.8	0.0	0.0	0.0	0.0
91.0	19.757	36.367	25.886	43.6	0.0	0.0	0.0	0.0

Station: 11
 Cruise : 81-MS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.92 N
 Longitude 93 37.15 W
 Time: Year Day Hour Minute
 1981 197 1 36

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	30.391	35.817	22.224	58.1	0.0	0.0	0.0	0.0
1.0	30.390	35.816	22.224	56.9	0.0	0.0	0.0	0.0
2.0	30.368	35.817	22.234	56.3	0.0	0.0	0.0	0.0
3.0	30.118	35.814	22.314	56.1	0.0	0.0	0.0	0.0
4.0	29.729	35.805	22.442	56.0	0.0	0.0	0.0	0.0
5.0	29.613	35.799	22.478	56.3	0.0	0.0	0.0	0.0
6.0	29.582	35.795	22.485	56.5	0.0	0.0	0.0	0.0
7.0	29.556	35.809	22.504	56.4	0.0	0.0	0.0	0.0
8.0	29.556	35.826	22.518	56.2	0.0	0.0	0.0	0.0
9.0	29.555	35.834	22.523	56.1	0.0	0.0	0.0	0.0
10.0	29.557	35.838	22.526	55.9	0.0	0.0	0.0	0.0
11.0	29.557	35.844	22.531	56.0	0.0	0.0	0.0	0.0
12.0	29.535	35.878	22.563	56.2	0.0	0.0	0.0	0.0
13.0	29.444	35.925	22.629	56.5	0.0	0.0	0.0	0.0
14.0	29.366	35.927	22.651	56.7	0.0	0.0	0.0	0.0
15.0	29.115	35.957	22.765	56.7	0.0	0.0	0.0	0.0
16.0	28.977	35.960	22.814	56.7	0.0	0.0	0.0	0.0
17.0	29.023	36.083	22.890	56.7	0.0	0.0	0.0	0.0
18.0	29.138	36.351	23.053	56.7	0.0	0.0	0.0	0.0
19.0	29.074	36.434	23.137	56.6	0.0	0.0	0.0	0.0
20.0	28.890	36.422	23.190	56.4	0.0	0.0	0.0	0.0
21.0	28.751	36.424	23.237	56.4	0.0	0.0	0.0	0.0
22.0	28.678	36.428	23.265	56.7	0.0	0.0	0.0	0.0
23.0	28.627	36.425	23.280	56.7	0.0	0.0	0.0	0.0
24.0	28.563	36.428	23.304	56.5	0.0	0.0	0.0	0.0
25.0	28.487	36.427	23.328	56.4	0.0	0.0	0.0	0.0
26.0	28.438	36.426	23.344	56.3	0.0	0.0	0.0	0.0
27.0	28.424	36.425	23.347	55.8	0.0	0.0	0.0	0.0
28.0	28.413	36.429	23.354	55.1	0.0	0.0	0.0	0.0
29.0	28.390	36.429	23.361	54.8	0.0	0.0	0.0	0.0
30.0	28.372	36.430	23.368	55.1	0.0	0.0	0.0	0.0
31.0	28.358	36.430	23.373	55.2	0.0	0.0	0.0	0.0
32.0	28.306	36.420	23.383	54.7	0.0	0.0	0.0	0.0
33.0	28.232	36.419	23.406	54.5	0.0	0.0	0.0	0.0
34.0	28.180	36.409	23.416	54.4	0.0	0.0	0.0	0.0
35.0	28.151	36.409	23.426	54.0	0.0	0.0	0.0	0.0
36.0	28.051	36.413	23.462	54.0	0.0	0.0	0.0	0.0
37.0	27.948	36.411	23.494	53.9	0.0	0.0	0.0	0.0
38.0	27.761	36.425	23.565	53.7	0.0	0.0	0.0	0.0
39.0	27.630	36.425	23.603	53.2	0.0	0.0	0.0	0.0
40.0	27.466	36.418	23.656	52.7	0.0	0.0	0.0	0.0
41.0	27.337	36.406	23.689	52.2	0.0	0.0	0.0	0.0
42.0	27.284	36.398	23.700	51.9	0.0	0.0	0.0	0.0
43.0	27.175	36.399	23.736	51.8	0.0	0.0	0.0	0.0
44.0	27.029	36.398	23.782	51.8	0.0	0.0	0.0	0.0
45.0	26.421	36.370	23.955	52.0	0.0	0.0	0.0	0.0
46.0	25.164	36.340	24.324	52.0	0.0	0.0	0.0	0.0
47.0	23.889	36.210	24.610	51.7	0.0	0.0	0.0	0.0
48.0	23.389	36.193	24.748	51.1	0.0	0.0	0.0	0.0
49.0	23.329	36.192	24.761	50.5	0.0	0.0	0.0	0.0
50.0	23.270	36.199	24.784	50.1	0.0	0.0	0.0	0.0
51.0	23.252	36.193	24.784	50.1	0.0	0.0	0.0	0.0
52.0	23.221	36.185	24.787	50.3	0.0	0.0	0.0	0.0
53.0	23.138	36.163	24.794	50.7	0.0	0.0	0.0	0.0
54.0	23.005	36.176	24.843	51.0	0.0	0.0	0.0	0.0
55.0	22.877	36.176	24.880	50.8	0.0	0.0	0.0	0.0
56.0	22.821	36.170	24.897	50.3	0.0	0.0	0.0	0.0
57.0	22.693	36.182	24.933	50.0	0.0	0.0	0.0	0.0
58.0	22.543	36.183	24.982	49.8	0.0	0.0	0.0	0.0
59.0	22.448	36.184	25.009	49.7	0.0	0.0	0.0	0.0

Station: 11
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.92 N
 Longitude 93 37.15 W
 Time: Year Day Hour Minute
 1981 197 1 36

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	22.327	36.202	25.057	49.4	0.0	0.0	0.0	0.0
61.0	22.262	36.210	25.081	49.3	0.0	0.0	0.0	0.0
62.0	22.208	36.218	25.103	49.2	0.0	0.0	0.0	0.0
63.0	22.110	36.231	25.141	48.8	0.0	0.0	0.0	0.0
64.0	22.022	36.237	25.170	48.1	0.0	0.0	0.0	0.0
65.0	21.935	36.238	25.195	47.4	0.0	0.0	0.0	0.0
66.0	21.901	36.230	25.199	46.9	0.0	0.0	0.0	0.0
67.0	21.874	36.230	25.207	46.7	0.0	0.0	0.0	0.0
68.0	21.797	36.233	25.234	46.8	0.0	0.0	0.0	0.0
69.0	21.723	36.241	25.257	46.7	0.0	0.0	0.0	0.0
70.0	21.639	36.256	25.291	46.4	0.0	0.0	0.0	0.0
71.0	21.524	36.257	25.325	46.0	0.0	0.0	0.0	0.0
72.0	21.236	36.273	25.416	45.8	0.0	0.0	0.0	0.0
73.0	20.970	36.311	25.518	45.7	0.0	0.0	0.0	0.0
74.0	20.791	36.330	25.582	45.5	0.0	0.0	0.0	0.0
75.0	20.712	36.318	25.593	45.5	0.0	0.0	0.0	0.0
76.0	20.684	36.309	25.594	45.6	0.0	0.0	0.0	0.0
77.0	20.592	36.322	25.629	45.7	0.0	0.0	0.0	0.0
78.0	20.419	36.348	25.693	45.6	0.0	0.0	0.0	0.0
79.0	20.323	36.336	25.712	45.4	0.0	0.0	0.0	0.0
80.0	20.300	36.341	25.722	45.4	0.0	0.0	0.0	0.0
81.0	20.291	36.338	25.722	45.6	0.0	0.0	0.0	0.0
82.0	20.247	36.338	25.734	45.5	0.0	0.0	0.0	0.0
83.0	20.182	36.348	25.759	45.1	0.0	0.0	0.0	0.0
84.0	20.088	36.353	25.788	44.9	0.0	0.0	0.0	0.0
85.0	20.042	36.352	25.799	45.0	0.0	0.0	0.0	0.0
86.0	20.010	36.351	25.807	44.8	0.0	0.0	0.0	0.0
87.0	19.987	36.354	25.816	44.5	0.0	0.0	0.0	0.0
88.0	19.946	36.358	25.829	44.3	0.0	0.0	0.0	0.0
89.0	19.896	36.351	25.838	43.8	0.0	0.0	0.0	0.0
90.0	19.740	36.359	25.884	42.4	0.0	0.0	0.0	0.0
91.0	19.451	36.364	25.964	40.0	0.0	0.0	0.0	0.0
92.0	19.197	36.394	26.053	39.3	0.0	0.0	0.0	0.0

Station: 12
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.14 N
 Longitude 93 36.76 W
 Time: Year Day Hour Minute
 1981 197 2 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	29.851	35.851	22.436	56.8	0.0	0.0	0.0	0.0
1.0	29.851	35.847	22.433	57.2	0.0	0.0	0.0	0.0
2.0	29.827	35.863	22.453	57.5	0.0	0.0	0.0	0.0
3.0	29.815	35.872	22.464	57.2	0.0	0.0	0.0	0.0
4.0	29.808	35.875	22.469	56.6	0.0	0.0	0.0	0.0
5.0	29.794	35.885	22.480	56.3	0.0	0.0	0.0	0.0
6.0	29.783	35.892	22.490	56.5	0.0	0.0	0.0	0.0
7.0	29.716	35.933	22.543	57.0	0.0	0.0	0.0	0.0
8.0	29.567	35.999	22.644	57.2	0.0	0.0	0.0	0.0
9.0	29.469	36.034	22.703	57.4	0.0	0.0	0.0	0.0
10.0	29.466	36.042	22.710	57.4	0.0	0.0	0.0	0.0
11.0	29.466	36.058	22.722	57.0	0.0	0.0	0.0	0.0
12.0	29.456	36.071	22.735	56.5	0.0	0.0	0.0	0.0
13.0	29.377	36.105	22.788	56.2	0.0	0.0	0.0	0.0
14.0	29.252	36.123	22.843	56.7	0.0	0.0	0.0	0.0
15.0	29.146	36.136	22.868	57.2	0.0	0.0	0.0	0.0
16.0	29.137	36.216	22.952	57.1	0.0	0.0	0.0	0.0
17.0	29.133	36.367	23.067	56.6	0.0	0.0	0.0	0.0
18.0	29.067	36.433	23.142	56.2	0.0	0.0	0.0	0.0
19.0	29.001	36.438	23.165	55.9	0.0	0.0	0.0	0.0
20.0	28.874	36.428	23.200	55.9	0.0	0.0	0.0	0.0
21.0	28.741	36.429	23.245	56.1	0.0	0.0	0.0	0.0
22.0	28.652	36.430	23.275	56.3	0.0	0.0	0.0	0.0
23.0	28.635	36.430	23.281	56.3	0.0	0.0	0.0	0.0
24.0	28.615	36.428	23.286	56.1	0.0	0.0	0.0	0.0
25.0	28.594	36.427	23.293	56.0	0.0	0.0	0.0	0.0
26.0	28.558	36.423	23.301	55.9	0.0	0.0	0.0	0.0
27.0	28.518	36.422	23.314	55.8	0.0	0.0	0.0	0.0
28.0	28.497	36.427	23.325	56.2	0.0	0.0	0.0	0.0
29.0	28.478	36.427	23.331	55.9	0.0	0.0	0.0	0.0
30.0	28.450	36.427	23.340	55.4	0.0	0.0	0.0	0.0
31.0	28.417	36.432	23.355	55.3	0.0	0.0	0.0	0.0
32.0	28.364	36.428	23.369	55.4	0.0	0.0	0.0	0.0
33.0	28.292	36.414	23.383	55.3	0.0	0.0	0.0	0.0
34.0	28.222	36.410	23.402	55.1	0.0	0.0	0.0	0.0
35.0	28.181	36.405	23.412	54.8	0.0	0.0	0.0	0.0
36.0	28.110	36.404	23.435	54.3	0.0	0.0	0.0	0.0
37.0	28.041	36.401	23.456	53.7	0.0	0.0	0.0	0.0
38.0	27.967	36.398	23.473	53.5	0.0	0.0	0.0	0.0
39.0	27.910	36.402	23.499	53.4	0.0	0.0	0.0	0.0
40.0	27.853	36.403	23.519	53.3	0.0	0.0	0.0	0.0
41.0	27.700	36.408	23.573	53.1	0.0	0.0	0.0	0.0
42.0	27.491	36.421	23.650	52.8	0.0	0.0	0.0	0.0
43.0	27.348	36.414	23.691	52.1	0.0	0.0	0.0	0.0
44.0	26.275	36.395	24.020	51.8	0.0	0.0	0.0	0.0
45.0	24.433	36.319	24.530	52.0	0.0	0.0	0.0	0.0
46.0	24.053	36.242	24.585	51.9	0.0	0.0	0.0	0.0
47.0	23.889	36.214	24.613	51.2	0.0	0.0	0.0	0.0
48.0	23.583	36.221	24.709	50.6	0.0	0.0	0.0	0.0
49.0	23.417	36.223	24.759	50.4	0.0	0.0	0.0	0.0
50.0	23.396	36.223	24.765	50.4	0.0	0.0	0.0	0.0
51.0	23.375	36.217	24.767	50.5	0.0	0.0	0.0	0.0
52.0	23.334	36.216	24.778	50.8	0.0	0.0	0.0	0.0
53.0	23.231	36.201	24.797	50.9	0.0	0.0	0.0	0.0
54.0	23.018	36.220	24.872	50.3	0.0	0.0	0.0	0.0
55.0	22.933	36.212	24.891	49.7	0.0	0.0	0.0	0.0
56.0	22.906	36.206	24.895	49.8	0.0	0.0	0.0	0.0
57.0	22.893	36.208	24.900	49.6	0.0	0.0	0.0	0.0

Station: 14
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.23 N
 Longitude 93 04.77 W
 Time: Year Day Hour Minute
 1981 197 5 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	30.055	35.868	22.879	58.7	0.0	0.0	0.0	0.0
1.0	30.030	35.867	22.886	58.4	0.0	0.0	0.0	0.0
2.0	30.006	35.866	22.894	58.0	0.0	0.0	0.0	0.0
3.0	29.992	35.864	22.897	58.2	0.0	0.0	0.0	0.0
4.0	29.966	35.858	22.402	58.7	0.0	0.0	0.0	0.0
5.0	29.903	35.831	22.403	58.8	0.0	0.0	0.0	0.0
6.0	29.783	35.824	22.489	58.1	0.0	0.0	0.0	0.0
7.0	29.682	35.831	22.478	57.4	0.0	0.0	0.0	0.0
8.0	29.656	35.855	22.505	57.7	0.0	0.0	0.0	0.0
9.0	29.650	35.892	22.535	58.0	0.0	0.0	0.0	0.0
10.0	29.667	35.911	22.548	57.8	0.0	0.0	0.0	0.0
11.0	29.674	35.919	22.548	57.4	0.0	0.0	0.0	0.0
12.0	29.679	35.938	22.559	57.2	0.0	0.0	0.0	0.0
13.0	29.679	35.954	22.572	56.7	0.0	0.0	0.0	0.0
14.0	29.646	35.948	22.576	56.9	0.0	0.0	0.0	0.0
15.0	29.569	35.927	22.589	58.0	0.0	0.0	0.0	0.0
16.0	29.471	35.912	22.611	58.6	0.0	0.0	0.0	0.0
17.0	29.387	35.903	22.632	58.0	0.0	0.0	0.0	0.0
18.0	29.273	35.862	22.640	57.0	0.0	0.0	0.0	0.0
19.0	29.132	35.854	22.681	56.6	0.0	0.0	0.0	0.0
20.0	29.037	35.891	22.742	56.4	0.0	0.0	0.0	0.0
21.0	29.031	35.961	22.796	56.6	0.0	0.0	0.0	0.0
22.0	29.092	36.087	22.870	56.6	0.0	0.0	0.0	0.0
23.0	29.156	36.250	22.971	56.7	0.0	0.0	0.0	0.0
24.0	29.210	36.303	22.993	56.9	0.0	0.0	0.0	0.0
25.0	29.244	36.305	22.983	57.4	0.0	0.0	0.0	0.0
26.0	29.211	36.337	23.018	58.1	0.0	0.0	0.0	0.0
27.0	29.826	36.364	23.168	57.6	0.0	0.0	0.0	0.0
28.0	29.606	36.375	23.249	57.5	0.0	0.0	0.0	0.0
29.0	29.531	36.383	23.284	57.1	0.0	0.0	0.0	0.0
30.0	29.467	36.390	23.307	56.9	0.0	0.0	0.0	0.0
31.0	29.430	36.388	23.317	57.3	0.0	0.0	0.0	0.0
32.0	29.427	36.387	23.318	57.6	0.0	0.0	0.0	0.0
33.0	29.420	36.388	23.321	57.2	0.0	0.0	0.0	0.0
34.0	29.403	36.389	23.327	56.7	0.0	0.0	0.0	0.0
35.0	29.374	36.397	23.343	57.1	0.0	0.0	0.0	0.0
36.0	29.332	36.405	23.363	56.8	0.0	0.0	0.0	0.0
37.0	29.265	36.409	23.387	55.4	0.0	0.0	0.0	0.0
38.0	29.154	36.418	23.432	55.0	0.0	0.0	0.0	0.0
39.0	29.030	36.419	23.473	56.0	0.0	0.0	0.0	0.0
40.0	27.713	36.386	23.552	56.1	0.0	0.0	0.0	0.0
41.0	27.366	36.360	23.645	55.0	0.0	0.0	0.0	0.0
42.0	27.103	36.365	23.732	55.9	0.0	0.0	0.0	0.0
43.0	26.599	36.353	23.835	53.8	0.0	0.0	0.0	0.0
44.0	25.839	36.326	24.104	53.8	0.0	0.0	0.0	0.0
45.0	25.102	36.334	24.338	54.0	0.0	0.0	0.0	0.0
46.0	24.696	36.309	24.443	54.2	0.0	0.0	0.0	0.0
47.0	24.273	36.244	24.521	53.8	0.0	0.0	0.0	0.0
48.0	23.868	36.252	24.648	53.7	0.0	0.0	0.0	0.0
49.0	23.693	36.279	24.720	53.4	0.0	0.0	0.0	0.0
50.0	23.554	36.291	24.770	53.3	0.0	0.0	0.0	0.0
51.0	23.496	36.281	24.779	53.4	0.0	0.0	0.0	0.0
52.0	23.442	36.254	24.775	53.6	0.0	0.0	0.0	0.0
53.0	23.371	36.256	24.797	53.5	0.0	0.0	0.0	0.0
54.0	23.217	36.268	24.851	53.0	0.0	0.0	0.0	0.0
55.0	22.926	36.260	24.929	52.5	0.0	0.0	0.0	0.0
56.0	22.633	36.244	25.002	52.3	0.0	0.0	0.0	0.0
57.0	22.541	36.234	25.020	52.5	0.0	0.0	0.0	0.0
58.0	22.466	36.236	25.044	52.9	0.0	0.0	0.0	0.0
59.0	22.350	36.248	25.086	52.9	0.0	0.0	0.0	0.0

Station: 14
 Cruise : 61-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.23 N
 Longitude 93 34.77 W
 Time: Year Day Hour Minute
 1981 197 5 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	22.204	36.258	25.134	52.7	0.0	0.0	0.0	0.0
61.0	22.087	36.256	25.166	52.4	0.0	0.0	0.0	0.0
62.0	22.085	36.248	25.169	52.1	0.0	0.0	0.0	0.0
63.0	22.012	36.245	25.179	51.8	0.0	0.0	0.0	0.0
64.0	21.960	36.247	25.195	51.3	0.0	0.0	0.0	0.0
65.0	21.909	36.245	25.207	50.8	0.0	0.0	0.0	0.0
66.0	21.796	36.233	25.231	50.6	0.0	0.0	0.0	0.0
67.0	21.727	36.239	25.254	50.4	0.0	0.0	0.0	0.0
68.0	21.689	36.245	25.269	50.3	0.0	0.0	0.0	0.0
69.0	21.645	36.245	25.282	50.3	0.0	0.0	0.0	0.0
70.0	21.548	36.240	25.305	50.0	0.0	0.0	0.0	0.0
71.0	21.483	36.247	25.342	49.5	0.0	0.0	0.0	0.0
72.0	21.379	36.251	25.360	49.0	0.0	0.0	0.0	0.0
73.0	21.351	36.251	25.368	48.9	0.0	0.0	0.0	0.0
74.0	21.342	36.252	25.371	49.1	0.0	0.0	0.0	0.0
75.0	21.302	36.259	25.387	49.7	0.0	0.0	0.0	0.0
76.0	21.257	36.266	25.405	50.0	0.0	0.0	0.0	0.0
77.0	21.181	36.320	25.467	50.1	0.0	0.0	0.0	0.0
78.0	21.114	36.333	25.495	50.2	0.0	0.0	0.0	0.0
79.0	20.972	36.308	25.515	49.5	0.0	0.0	0.0	0.0
80.0	20.844	36.306	25.549	48.7	0.0	0.0	0.0	0.0
81.0	20.528	36.316	25.641	47.7	0.0	0.0	0.0	0.0
82.0	20.290	36.351	25.743	46.6	0.0	0.0	0.0	0.0
83.0	19.955	36.381	25.844	46.6	0.0	0.0	0.0	0.0
84.0	19.640	36.404	25.945	46.8	0.0	0.0	0.0	0.0
85.0	19.443	36.397	25.991	47.1	0.0	0.0	0.0	0.0
86.0	19.334	36.376	26.003	47.3	0.0	0.0	0.0	0.0
87.0	19.304	36.386	26.019	47.7	0.0	0.0	0.0	0.0
88.0	19.258	36.378	26.025	47.3	0.0	0.0	0.0	0.0
89.0	19.236	36.371	26.026	46.8	0.0	0.0	0.0	0.0
90.0	19.233	36.369	26.024	45.9	0.0	0.0	0.0	0.0
91.0	19.212	36.379	26.037	45.1	0.0	0.0	0.0	0.0
92.0	19.148	36.381	26.056	44.6	0.0	0.0	0.0	0.0
93.0	19.076	36.375	26.069	43.9	0.0	0.0	0.0	0.0
94.0	19.023	36.379	26.086	42.8	0.0	0.0	0.0	0.0
95.0	18.977	36.382	26.100	42.0	0.0	0.0	0.0	0.0
96.0	18.939	36.372	26.103	41.8	0.0	0.0	0.0	0.0
97.0	18.921	36.370	26.106	41.8	0.0	0.0	0.0	0.0
98.0	18.909	36.370	26.109	42.5	0.0	0.0	0.0	0.0
99.0	18.883	36.369	26.115	43.6	0.0	0.0	0.0	0.0
100.0	18.817	36.373	26.135	44.6	0.0	0.0	0.0	0.0
101.0	18.652	36.382	26.184	45.2	0.0	0.0	0.0	0.0
102.0	18.526	36.384	26.217	45.1	0.0	0.0	0.0	0.0
103.0	18.443	36.378	26.233	44.8	0.0	0.0	0.0	0.0
104.0	18.334	36.384	26.265	44.9	0.0	0.0	0.0	0.0
105.0	18.280	36.373	26.271	45.2	0.0	0.0	0.0	0.0
106.0	18.126	36.372	26.308	45.5	0.0	0.0	0.0	0.0
107.0	17.957	36.374	26.352	46.3	0.0	0.0	0.0	0.0
108.0	17.883	36.381	26.376	46.6	0.0	0.0	0.0	0.0
109.0	17.830	36.373	26.383	46.3	0.0	0.0	0.0	0.0
110.0	17.741	36.359	26.394	45.6	0.0	0.0	0.0	0.0
111.0	17.700	36.361	26.406	45.3	0.0	0.0	0.0	0.0
112.0	17.661	36.367	26.419	44.5	0.0	0.0	0.0	0.0
113.0	17.611	36.362	26.428	43.3	0.0	0.0	0.0	0.0
114.0	17.598	36.360	26.430	42.0	0.0	0.0	0.0	0.0
115.0	17.560	36.351	26.432	39.7	0.0	0.0	0.0	0.0
116.0	17.515	36.344	26.439	37.0	0.0	0.0	0.0	0.0
117.0	17.496	36.342	26.441	35.5	0.0	0.0	0.0	0.0
118.0	17.487	36.335	26.433	35.2	0.0	0.0	0.0	0.0
119.0	17.485	36.334	26.437	35.4	0.0	0.0	0.0	0.0

Station: 14
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.23 N
 Longitude 93 34.77 W
 Time: Year Day Hour Minute
 1981 197 5 14

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
120.0	17.484	36.334	26.438	35.6	0.0	0.0	0.0	0.0
121.0	17.481	36.334	26.438	35.4	0.0	0.0	0.0	0.0
122.0	17.476	36.337	26.442	34.9	0.0	0.0	0.0	0.0

Station: 15
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.81 N
 Longitude 93 34.12 W
 Time: Year Day Hour Minute
 1981 197 5 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	29.805	35.801	22.414	56.6	0.0	0.0	0.0	0.0
1.0	29.804	35.802	22.415	56.9	0.0	0.0	0.0	0.0
2.0	29.813	35.788	22.401	57.4	0.0	0.0	0.0	0.0
3.0	29.802	35.780	22.399	57.5	0.0	0.0	0.0	0.0
4.0	29.776	35.772	22.402	57.2	0.0	0.0	0.0	0.0
5.0	29.701	35.765	22.422	57.0	0.0	0.0	0.0	0.0
6.0	29.584	35.763	22.460	56.8	0.0	0.0	0.0	0.0
7.0	29.478	35.760	22.494	56.7	0.0	0.0	0.0	0.0
8.0	29.442	35.754	22.502	56.5	0.0	0.0	0.0	0.0
9.0	29.424	35.761	22.513	56.2	0.0	0.0	0.0	0.0
10.0	29.435	35.794	22.534	56.0	0.0	0.0	0.0	0.0
11.0	29.488	35.850	22.559	55.8	0.0	0.0	0.0	0.0
12.0	29.568	35.911	22.577	55.8	0.0	0.0	0.0	0.0
13.0	29.635	35.959	22.590	55.5	0.0	0.0	0.0	0.0
14.0	29.655	35.982	22.601	55.5	0.0	0.0	0.0	0.0
15.0	29.636	35.983	22.608	56.0	0.0	0.0	0.0	0.0
16.0	29.611	35.985	22.618	56.5	0.0	0.0	0.0	0.0
17.0	29.568	35.988	22.635	57.0	0.0	0.0	0.0	0.0
18.0	29.440	36.018	22.701	57.1	0.0	0.0	0.0	0.0
19.0	29.402	36.066	22.750	56.6	0.0	0.0	0.0	0.0
20.0	29.453	36.103	22.761	56.4	0.0	0.0	0.0	0.0
21.0	29.447	36.105	22.764	56.0	0.0	0.0	0.0	0.0
22.0	29.420	36.128	22.790	55.7	0.0	0.0	0.0	0.0
23.0	29.342	36.175	22.852	55.6	0.0	0.0	0.0	0.0
24.0	29.150	36.259	22.980	55.7	0.0	0.0	0.0	0.0
25.0	28.954	36.349	23.113	55.7	0.0	0.0	0.0	0.0
26.0	28.868	36.379	23.165	56.1	0.0	0.0	0.0	0.0
27.0	28.791	36.388	23.197	56.3	0.0	0.0	0.0	0.0
28.0	28.722	36.387	23.220	56.6	0.0	0.0	0.0	0.0
29.0	28.681	36.376	23.225	56.7	0.0	0.0	0.0	0.0
30.0	28.618	36.369	23.240	56.1	0.0	0.0	0.0	0.0
31.0	28.536	36.371	23.269	55.3	0.0	0.0	0.0	0.0
32.0	28.458	36.382	23.304	54.6	0.0	0.0	0.0	0.0
33.0	28.403	36.395	23.332	54.1	0.0	0.0	0.0	0.0
34.0	28.372	36.401	23.346	54.0	0.0	0.0	0.0	0.0
35.0	28.166	36.393	23.408	53.9	0.0	0.0	0.0	0.0
36.0	27.959	36.382	23.468	54.3	0.0	0.0	0.0	0.0
37.0	27.754	36.375	23.530	54.4	0.0	0.0	0.0	0.0
38.0	27.547	36.371	23.594	54.2	0.0	0.0	0.0	0.0
39.0	27.341	36.370	23.661	53.9	0.0	0.0	0.0	0.0
40.0	27.135	36.370	23.727	53.7	0.0	0.0	0.0	0.0
41.0	26.929	36.370	23.793	53.4	0.0	0.0	0.0	0.0
42.0	26.723	36.370	23.859	53.1	0.0	0.0	0.0	0.0
43.0	26.517	36.369	23.924	52.8	0.0	0.0	0.0	0.0
44.0	26.311	36.369	23.989	52.6	0.0	0.0	0.0	0.0
45.0	26.105	36.369	24.054	52.3	0.0	0.0	0.0	0.0
46.0	25.899	36.369	24.118	52.0	0.0	0.0	0.0	0.0
47.0	25.693	36.368	24.182	51.8	0.0	0.0	0.0	0.0
48.0	25.487	36.368	24.245	51.5	0.0	0.0	0.0	0.0
49.0	25.280	36.368	24.309	51.2	0.0	0.0	0.0	0.0
50.0	25.074	36.368	24.372	50.9	0.0	0.0	0.0	0.0
51.0	24.868	36.367	24.435	50.7	0.0	0.0	0.0	0.0
52.0	24.662	36.367	24.497	50.4	0.0	0.0	0.0	0.0
53.0	24.456	36.367	24.559	50.1	0.0	0.0	0.0	0.0
54.0	24.250	36.308	24.577	50.0	0.0	0.0	0.0	0.0
55.0	24.044	36.303	24.634	49.8	0.0	0.0	0.0	0.0
56.0	23.838	36.273	24.673	49.5	0.0	0.0	0.0	0.0
57.0	23.632	36.254	24.719	49.3	0.0	0.0	0.0	0.0
58.0	23.426	36.246	24.773	49.4	0.0	0.0	0.0	0.0
59.0	23.219	36.248	24.836	49.4	0.0	0.0	0.0	0.0

Station: 15
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 58.81 N
 Longitude 93 34.12 W
 Time: Year Day Hour Minute
 1981 197 5 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	23.013	36.260	24.904	49.0	0.0	0.0	0.0	0.0
61.0	22.807	36.250	24.956	50.3	0.0	0.0	0.0	0.0
62.0	22.601	36.246	25.012	50.7	0.0	0.0	0.0	0.0
63.0	22.395	36.234	25.062	49.9	0.0	0.0	0.0	0.0
64.0	21.954	36.235	25.188	49.1	0.0	0.0	0.0	0.0
65.0	21.866	36.246	25.221	48.6	0.0	0.0	0.0	0.0
66.0	21.771	36.257	25.255	48.0	0.0	0.0	0.0	0.0
67.0	21.702	36.257	25.275	47.9	0.0	0.0	0.0	0.0
68.0	21.670	36.251	25.279	48.3	0.0	0.0	0.0	0.0
69.0	21.649	36.247	25.282	48.9	0.0	0.0	0.0	0.0
70.0	21.450	36.244	25.335	49.8	0.0	0.0	0.0	0.0
71.0	21.210	36.261	25.414	50.0	0.0	0.0	0.0	0.0
72.0	21.075	36.288	25.472	49.5	0.0	0.0	0.0	0.0
73.0	21.026	36.295	25.490	48.5	0.0	0.0	0.0	0.0
74.0	20.997	36.299	25.502	47.8	0.0	0.0	0.0	0.0
75.0	20.845	36.315	25.555	47.7	0.0	0.0	0.0	0.0
76.0	20.655	36.324	25.614	47.2	0.0	0.0	0.0	0.0
77.0	20.441	36.335	25.680	46.5	0.0	0.0	0.0	0.0
78.0	20.232	36.354	25.750	45.4	0.0	0.0	0.0	0.0
79.0	20.071	36.375	25.809	45.1	0.0	0.0	0.0	0.0
80.0	20.035	36.376	25.819	45.3	0.0	0.0	0.0	0.0
81.0	19.967	36.374	25.836	45.4	0.0	0.0	0.0	0.0
82.0	19.865	36.375	25.864	45.5	0.0	0.0	0.0	0.0
83.0	19.735	36.379	25.901	45.7	0.0	0.0	0.0	0.0
84.0	19.632	36.376	25.926	45.7	0.0	0.0	0.0	0.0
85.0	19.519	36.374	25.954	45.6	0.0	0.0	0.0	0.0
86.0	19.435	36.373	25.975	45.4	0.0	0.0	0.0	0.0
87.0	19.363	36.372	25.993	45.0	0.0	0.0	0.0	0.0
88.0	19.303	36.376	26.012	44.0	0.0	0.0	0.0	0.0
89.0	19.242	36.376	26.028	43.2	0.0	0.0	0.0	0.0
90.0	19.213	36.371	26.032	42.8	0.0	0.0	0.0	0.0
91.0	19.195	36.371	26.036	43.2	0.0	0.0	0.0	0.0
92.0	19.181	36.371	26.039	43.5	0.0	0.0	0.0	0.0
93.0	19.172	36.371	26.042	43.3	0.0	0.0	0.0	0.0
94.0	19.167	36.369	26.041	42.8	0.0	0.0	0.0	0.0
95.0	19.151	36.368	26.044	42.1	0.0	0.0	0.0	0.0
96.0	19.111	36.370	26.057	41.8	0.0	0.0	0.0	0.0
97.0	19.080	36.370	26.065	41.5	0.0	0.0	0.0	0.0
98.0	19.051	36.368	26.070	41.1	0.0	0.0	0.0	0.0
99.0	19.007	36.368	26.082	40.3	0.0	0.0	0.0	0.0
100.0	18.937	36.371	26.102	39.1	0.0	0.0	0.0	0.0
101.0	18.875	36.373	26.120	38.0	0.0	0.0	0.0	0.0
102.0	18.771	36.364	26.139	37.2	0.0	0.0	0.0	0.0
103.0	18.643	36.366	26.174	36.7	0.0	0.0	0.0	0.0
104.0	18.576	36.370	26.193	36.6	0.0	0.0	0.0	0.0
105.0	18.541	36.367	26.201	36.6	0.0	0.0	0.0	0.0
106.0	18.495	36.368	26.213	37.0	0.0	0.0	0.0	0.0
107.0	18.450	36.358	26.217	37.7	0.0	0.0	0.0	0.0
108.0	18.443	36.358	26.218	39.0	0.0	0.0	0.0	0.0
109.0	18.418	36.359	26.225	40.5	0.0	0.0	0.0	0.0
110.0	18.255	36.368	26.272	41.9	0.0	0.0	0.0	0.0
111.0	17.991	36.377	26.346	42.7	0.0	0.0	0.0	0.0
112.0	17.862	36.378	26.379	42.9	0.0	0.0	0.0	0.0
113.0	17.810	36.367	26.383	43.2	0.0	0.0	0.0	0.0
114.0	17.733	36.367	26.402	43.6	0.0	0.0	0.0	0.0
115.0	17.634	36.360	26.421	44.1	0.0	0.0	0.0	0.0
116.0	17.578	36.363	26.437	44.4	0.0	0.0	0.0	0.0
117.0	17.496	36.352	26.448	44.6	0.0	0.0	0.0	0.0
118.0	17.395	36.345	26.468	44.8	0.0	0.0	0.0	0.0
119.0	17.322	36.347	26.487	44.9	0.0	0.0	0.0	0.0

Station: 15
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.81 N
 Longitude 93 34.12 W
 Time: Year Day Hour Minute
 1981 197 5 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	x	v cm/s	Speed cm/s	Dir.ec deg
120.0	17.262	36.342	26.498	44.7	0.0		0.0	0.0	0.0
121.0	17.212	36.335	26.505	43.6	0.0		0.0	0.0	0.0
122.0	17.166	36.321	26.505	41.7	0.0		0.0	0.0	0.0
123.0	17.146	36.308	26.500	40.5	0.0		0.0	0.0	0.0
124.0	17.131	36.304	26.500	39.9	0.0		0.0	0.0	0.0
125.0	17.130	36.304	26.500	39.3	0.0		0.0	0.0	0.0
126.0	17.128	36.301	26.499	39.2	0.0		0.0	0.0	0.0
127.0	17.127	36.300	26.498	39.1	0.0		0.0	0.0	0.0
128.0	17.127	36.299	26.498	39.1	0.0		0.0	0.0	0.0
129.0	17.127	36.299	26.497	39.3	0.0		0.0	0.0	0.0
130.0	17.127	36.298	26.497	41.4	0.0		0.0	0.0	0.0
131.0	17.127	36.299	26.498	42.3	0.0		0.0	0.0	0.0

Station: 16
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.49 N
 Longitude 93 33.59 W
 Time: Year Day Hour Minute
 1981 197 6 32

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.674	35.792	22.452	57.1	0.0	0.0	0.0	0.0
2.0	29.676	35.796	22.454	57.0	0.0	0.0	0.0	0.0
3.0	29.679	35.798	22.454	56.9	0.0	0.0	0.0	0.0
4.0	29.665	35.806	22.465	56.8	0.0	0.0	0.0	0.0
5.0	29.621	35.796	22.473	56.8	0.0	0.0	0.0	0.0
6.0	29.571	35.783	22.480	56.7	0.0	0.0	0.0	0.0
7.0	29.521	35.769	22.487	56.6	0.0	0.0	0.0	0.0
8.0	29.465	35.756	22.495	56.6	0.0	0.0	0.0	0.0
9.0	29.420	35.741	22.500	56.6	0.0	0.0	0.0	0.0
10.0	29.369	35.744	22.519	56.5	0.0	0.0	0.0	0.0
11.0	29.347	35.785	22.537	56.0	0.0	0.0	0.0	0.0
12.0	29.454	35.892	22.601	55.5	0.0	0.0	0.0	0.0
13.0	29.577	35.968	22.617	55.7	0.0	0.0	0.0	0.0
14.0	29.578	35.994	22.636	56.3	0.0	0.0	0.0	0.0
15.0	29.552	36.001	22.650	56.7	0.0	0.0	0.0	0.0
16.0	29.536	36.034	22.673	56.6	0.0	0.0	0.0	0.0
17.0	29.512	36.049	22.700	56.0	0.0	0.0	0.0	0.0
18.0	29.492	36.071	22.723	56.1	0.0	0.0	0.0	0.0
19.0	29.480	36.073	22.732	57.1	0.0	0.0	0.0	0.0
20.0	29.465	36.070	22.732	57.5	0.0	0.0	0.0	0.0
21.0	29.437	36.074	22.743	57.3	0.0	0.0	0.0	0.0
22.0	29.422	36.098	22.767	56.3	0.0	0.0	0.0	0.0
23.0	29.408	36.136	22.800	55.5	0.0	0.0	0.0	0.0
24.0	29.318	36.167	22.854	55.5	0.0	0.0	0.0	0.0
25.0	29.099	36.212	22.961	55.4	0.0	0.0	0.0	0.0
26.0	28.818	36.274	23.103	55.4	0.0	0.0	0.0	0.0
27.0	28.806	36.277	23.109	55.2	0.0	0.0	0.0	0.0
28.0	28.794	36.279	23.115	55.1	0.0	0.0	0.0	0.0
29.0	28.596	36.333	23.221	55.0	0.0	0.0	0.0	0.0
30.0	28.515	36.355	23.264	55.5	0.0	0.0	0.0	0.0
31.0	28.489	36.358	23.275	55.9	0.0	0.0	0.0	0.0
32.0	28.463	36.365	23.289	56.0	0.0	0.0	0.0	0.0
33.0	28.449	36.370	23.297	55.8	0.0	0.0	0.0	0.0
34.0	28.448	36.377	23.303	55.5	0.0	0.0	0.0	0.0
35.0	28.430	36.377	23.309	55.2	0.0	0.0	0.0	0.0
36.0	28.374	36.376	23.327	54.7	0.0	0.0	0.0	0.0
37.0	28.284	36.378	23.358	54.6	0.0	0.0	0.0	0.0
38.0	28.252	36.380	23.370	54.1	0.0	0.0	0.0	0.0
39.0	28.242	36.382	23.375	53.8	0.0	0.0	0.0	0.0
40.0	28.177	36.376	23.392	53.4	0.0	0.0	0.0	0.0
41.0	27.838	36.364	23.494	53.1	0.0	0.0	0.0	0.0
42.0	27.411	36.336	23.612	52.7	0.0	0.0	0.0	0.0
43.0	27.118	36.295	23.676	52.1	0.0	0.0	0.0	0.0
44.0	26.833	36.259	23.740	52.1	0.0	0.0	0.0	0.0
45.0	26.171	36.225	23.924	52.1	0.0	0.0	0.0	0.0
46.0	25.334	36.204	24.169	52.3	0.0	0.0	0.0	0.0
47.0	25.048	36.232	24.278	52.6	0.0	0.0	0.0	0.0
48.0	24.844	36.226	24.335	52.9	0.0	0.0	0.0	0.0
49.0	24.622	36.207	24.388	53.1	0.0	0.0	0.0	0.0
50.0	24.284	36.193	24.479	52.7	0.0	0.0	0.0	0.0
51.0	23.936	36.169	24.565	52.2	0.0	0.0	0.0	0.0
52.0	23.616	36.133	24.633	51.5	0.0	0.0	0.0	0.0
53.0	23.311	36.127	24.717	50.7	0.0	0.0	0.0	0.0
54.0	23.130	36.142	24.781	50.6	0.0	0.0	0.0	0.0
55.0	22.985	36.156	24.833	50.3	0.0	0.0	0.0	0.0
56.0	22.890	36.190	24.887	50.0	0.0	0.0	0.0	0.0
57.0	22.822	36.208	24.920	49.9	0.0	0.0	0.0	0.0
58.0	22.678	36.210	24.963	49.8	0.0	0.0	0.0	0.0
59.0	22.515	36.197	25.000	50.0	0.0	0.0	0.0	0.0
60.0	22.345	36.217	25.063	50.2	0.0	0.0	0.0	0.0

Station: 16
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.49 N
 Longitude 93 33.59 W
 Time: Year Day Hour Minute
 1981 197 6 32

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.242	36.229	25.102	50.3	0.0	0.0	0.0	0.0
62.0	22.137	36.221	25.125	50.0	0.0	0.0	0.0	0.0
63.0	22.056	36.242	25.164	49.4	0.0	0.0	0.0	0.0
64.0	21.999	36.255	25.191	49.1	0.0	0.0	0.0	0.0
65.0	21.915	36.246	25.207	48.8	0.0	0.0	0.0	0.0
66.0	21.801	36.241	25.235	48.5	0.0	0.0	0.0	0.0
67.0	21.722	36.243	25.263	48.3	0.0	0.0	0.0	0.0
68.0	21.689	36.235	25.262	48.2	0.0	0.0	0.0	0.0
69.0	21.507	36.248	25.322	48.0	0.0	0.0	0.0	0.0
70.0	21.303	36.261	25.388	48.1	0.0	0.0	0.0	0.0
71.0	21.206	36.270	25.422	48.2	0.0	0.0	0.0	0.0
72.0	21.151	36.274	25.440	48.0	0.0	0.0	0.0	0.0
73.0	20.999	36.280	25.487	47.8	0.0	0.0	0.0	0.0
74.0	20.812	36.289	25.544	47.5	0.0	0.0	0.0	0.0
75.0	20.603	36.297	25.607	47.1	0.0	0.0	0.0	0.0
76.0	20.359	36.317	25.688	46.5	0.0	0.0	0.0	0.0
77.0	20.098	36.345	25.779	46.1	0.0	0.0	0.0	0.0
78.0	19.946	36.355	25.827	46.3	0.0	0.0	0.0	0.0
79.0	19.859	36.354	25.850	46.7	0.0	0.0	0.0	0.0
80.0	19.720	36.361	25.891	46.8	0.0	0.0	0.0	0.0
81.0	19.604	36.366	25.926	47.0	0.0	0.0	0.0	0.0
82.0	19.550	36.371	25.943	47.2	0.0	0.0	0.0	0.0
83.0	19.512	36.369	25.952	46.9	0.0	0.0	0.0	0.0
84.0	19.467	36.369	25.963	46.7	0.0	0.0	0.0	0.0
85.0	19.436	36.368	25.971	46.3	0.0	0.0	0.0	0.0
86.0	19.392	36.368	25.982	46.4	0.0	0.0	0.0	0.0
87.0	19.352	36.368	25.993	46.1	0.0	0.0	0.0	0.0
88.0	19.325	36.369	26.001	45.9	0.0	0.0	0.0	0.0
89.0	19.310	36.369	26.005	45.5	0.0	0.0	0.0	0.0
90.0	19.299	36.368	26.007	44.8	0.0	0.0	0.0	0.0
91.0	19.282	36.368	26.011	44.1	0.0	0.0	0.0	0.0
92.0	19.265	36.368	26.016	43.6	0.0	0.0	0.0	0.0
93.0	19.247	36.368	26.020	43.4	0.0	0.0	0.0	0.0
94.0	19.220	36.365	26.025	43.3	0.0	0.0	0.0	0.0
95.0	19.155	36.362	26.039	42.6	0.0	0.0	0.0	0.0
96.0	19.084	36.362	26.058	42.0	0.0	0.0	0.0	0.0
97.0	19.012	36.367	26.080	41.2	0.0	0.0	0.0	0.0
98.0	18.926	36.365	26.101	40.5	0.0	0.0	0.0	0.0
99.0	18.860	36.366	26.118	39.9	0.0	0.0	0.0	0.0
100.0	18.842	36.367	26.124	39.5	0.0	0.0	0.0	0.0
101.0	18.836	36.367	26.125	39.3	0.0	0.0	0.0	0.0
102.0	18.833	36.367	26.126	39.2	0.0	0.0	0.0	0.0
103.0	18.777	36.364	26.138	39.1	0.0	0.0	0.0	0.0
104.0	18.704	36.357	26.151	38.7	0.0	0.0	0.0	0.0
105.0	18.646	36.350	26.160	38.1	0.0	0.0	0.0	0.0
106.0	18.591	36.350	26.174	37.8	0.0	0.0	0.0	0.0
107.0	18.500	36.357	26.203	38.4	0.0	0.0	0.0	0.0
108.0	18.412	36.356	26.224	39.0	0.0	0.0	0.0	0.0
109.0	18.318	36.355	26.247	39.7	0.0	0.0	0.0	0.0
110.0	18.257	36.363	26.269	40.2	0.0	0.0	0.0	0.0
111.0	18.188	36.365	26.287	41.1	0.0	0.0	0.0	0.0
112.0	18.089	36.360	26.309	42.1	0.0	0.0	0.0	0.0
113.0	17.882	36.352	26.354	42.6	0.0	0.0	0.0	0.0
114.0	17.688	36.360	26.408	43.6	0.0	0.0	0.0	0.0
115.0	17.610	36.361	26.427	44.3	0.0	0.0	0.0	0.0
116.0	17.593	36.354	26.426	44.1	0.0	0.0	0.0	0.0
117.0	17.548	36.347	26.432	43.5	0.0	0.0	0.0	0.0
118.0	17.479	36.337	26.441	42.8	0.0	0.0	0.0	0.0
119.0	17.376	36.323	26.456	42.5	0.0	0.0	0.0	0.0
120.0	17.286	36.315	26.471	42.5	0.0	0.0	0.0	0.0

Station: 16
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 53.49 N
 Longitude 93 33.59 W
 Time: Year Day Hour Minute
 1981 197 6 32

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
121.0	17.224	36.310	26.482	42.8	0.0	0.0	0.0	0.0
122.0	17.185	36.305	26.488	43.0	0.0	0.0	0.0	0.0
123.0	17.156	36.301	26.492	43.1	0.0	0.0	0.0	0.0
124.0	17.125	36.297	26.496	43.4	0.0	0.0	0.0	0.0
125.0	17.087	36.295	26.504	43.8	0.0	0.0	0.0	0.0
126.0	17.058	36.296	26.512	44.2	0.0	0.0	0.0	0.0
127.0	17.044	36.294	26.514	44.2	0.0	0.0	0.0	0.0
128.0	17.015	36.290	26.518	44.5	0.0	0.0	0.0	0.0
129.0	16.994	36.289	26.522	45.2	0.0	0.0	0.0	0.0
130.0	17.028	36.224	26.464	45.9	0.0	0.0	0.0	0.0

Station: 17
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 52.33 N
 Longitude 93 31.83 W
 Time: Year Day Hour Minute
 1981 197 7 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.675	35.736	22.410	56.9	0.0	0.0	0.0	0.0
2.0	29.673	35.735	22.409	56.6	0.0	0.0	0.0	0.0
3.0	29.672	35.732	22.407	57.0	0.0	0.0	0.0	0.0
4.0	29.663	35.729	22.408	58.0	0.0	0.0	0.0	0.0
5.0	29.649	35.728	22.412	58.4	0.0	0.0	0.0	0.0
6.0	29.645	35.729	22.414	58.1	0.0	0.0	0.0	0.0
7.0	29.646	35.728	22.413	58.5	0.0	0.0	0.0	0.0
8.0	29.609	35.721	22.421	55.4	0.0	0.0	0.0	0.0
9.0	29.521	35.711	22.443	55.5	0.0	0.0	0.0	0.0
10.0	29.434	35.700	22.464	55.5	0.0	0.0	0.0	0.0
11.0	29.393	35.695	22.475	55.3	0.0	0.0	0.0	0.0
12.0	29.388	35.707	22.485	55.1	0.0	0.0	0.0	0.0
13.0	29.388	35.713	22.490	55.0	0.0	0.0	0.0	0.0
14.0	29.403	35.725	22.493	55.0	0.0	0.0	0.0	0.0
15.0	29.427	35.761	22.512	55.3	0.0	0.0	0.0	0.0
16.0	29.389	35.787	22.544	55.6	0.0	0.0	0.0	0.0
17.0	29.313	35.783	22.567	55.7	0.0	0.0	0.0	0.0
18.0	29.141	35.825	22.657	56.0	0.0	0.0	0.0	0.0
19.0	29.904	35.900	22.793	56.4	0.0	0.0	0.0	0.0
20.0	28.743	35.984	22.909	56.7	0.0	0.0	0.0	0.0
21.0	28.652	36.034	22.973	56.8	0.0	0.0	0.0	0.0
22.0	28.617	36.057	23.007	56.7	0.0	0.0	0.0	0.0
23.0	28.627	36.103	23.042	56.3	0.0	0.0	0.0	0.0
24.0	28.657	36.163	23.073	55.7	0.0	0.0	0.0	0.0
25.0	28.713	36.204	23.085	55.4	0.0	0.0	0.0	0.0
26.0	28.698	36.297	23.160	55.6	0.0	0.0	0.0	0.0
27.0	28.682	36.350	23.205	55.5	0.0	0.0	0.0	0.0
28.0	28.638	36.383	23.244	55.6	0.0	0.0	0.0	0.0
29.0	28.622	36.380	23.248	55.6	0.0	0.0	0.0	0.0
30.0	28.621	36.383	23.250	55.7	0.0	0.0	0.0	0.0
31.0	28.641	36.396	23.253	55.4	0.0	0.0	0.0	0.0
32.0	28.664	36.405	23.253	54.9	0.0	0.0	0.0	0.0
33.0	28.666	36.405	23.252	54.3	0.0	0.0	0.0	0.0
34.0	28.654	36.402	23.253	53.6	0.0	0.0	0.0	0.0
35.0	28.633	36.400	23.259	53.5	0.0	0.0	0.0	0.0
36.0	28.600	36.396	23.267	53.6	0.0	0.0	0.0	0.0
37.0	28.511	36.387	23.289	54.0	0.0	0.0	0.0	0.0
38.0	28.409	36.381	23.319	54.6	0.0	0.0	0.0	0.0
39.0	28.330	36.381	23.345	54.9	0.0	0.0	0.0	0.0
40.0	28.261	36.385	23.371	54.7	0.0	0.0	0.0	0.0
41.0	28.208	36.390	23.393	54.2	0.0	0.0	0.0	0.0
42.0	28.126	36.374	23.408	53.4	0.0	0.0	0.0	0.0
43.0	27.854	36.346	23.476	52.6	0.0	0.0	0.0	0.0
44.0	27.596	36.336	23.552	52.0	0.0	0.0	0.0	0.0
45.0	27.145	36.330	23.694	52.0	0.0	0.0	0.0	0.0
46.0	26.244	36.327	23.978	51.9	0.0	0.0	0.0	0.0
47.0	25.662	36.319	24.154	51.8	0.0	0.0	0.0	0.0
48.0	25.308	36.286	24.239	51.3	0.0	0.0	0.0	0.0
49.0	24.957	36.314	24.367	51.5	0.0	0.0	0.0	0.0
50.0	24.696	36.279	24.420	51.2	0.0	0.0	0.0	0.0
51.0	24.340	36.262	24.515	50.9	0.0	0.0	0.0	0.0
52.0	24.106	36.278	24.597	50.2	0.0	0.0	0.0	0.0
53.0	23.901	36.264	24.647	49.5	0.0	0.0	0.0	0.0
54.0	23.514	36.196	24.710	49.5	0.0	0.0	0.0	0.0
55.0	23.192	36.158	24.775	49.7	0.0	0.0	0.0	0.0
56.0	23.068	36.165	24.816	50.1	0.0	0.0	0.0	0.0
57.0	22.776	36.185	24.916	50.2	0.0	0.0	0.0	0.0
58.0	22.528	36.193	24.997	50.2	0.0	0.0	0.0	0.0
59.0	22.364	36.201	25.046	49.9	0.0	0.0	0.0	0.0
60.0	22.247	36.201	25.079	49.5	0.0	0.0	0.0	0.0

Station: 17
 Cruise : 81-N8-1
 Ship : NORTH SEAL
 Position: Latitude 27 52.33 N
 Longitude 93 31.83 W
 Time: Year Day Hour Minute
 1981 197 7 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.161	36.201	25.103	49.2	0.0	0.0	0.0	0.0
62.0	22.147	36.196	25.104	48.9	0.0	0.0	0.0	0.0
63.0	21.858	36.224	25.206	48.5	0.0	0.0	0.0	0.0
64.0	21.642	36.256	25.291	48.1	0.0	0.0	0.0	0.0
65.0	21.527	36.291	25.349	47.7	0.0	0.0	0.0	0.0
66.0	21.426	36.299	25.384	48.1	0.0	0.0	0.0	0.0
67.0	21.276	36.292	25.419	48.6	0.0	0.0	0.0	0.0
68.0	21.112	36.294	25.467	49.3	0.0	0.0	0.0	0.0
69.0	20.938	36.300	25.519	49.5	0.0	0.0	0.0	0.0
70.0	20.781	36.309	25.568	48.8	0.0	0.0	0.0	0.0
71.0	20.697	36.312	25.593	48.2	0.0	0.0	0.0	0.0
72.0	20.581	36.312	25.624	47.3	0.0	0.0	0.0	0.0
73.0	20.471	36.314	25.656	46.8	0.0	0.0	0.0	0.0
74.0	20.380	36.330	25.692	47.0	0.0	0.0	0.0	0.0
75.0	20.309	36.338	25.717	46.6	0.0	0.0	0.0	0.0
76.0	20.253	36.340	25.733	45.9	0.0	0.0	0.0	0.0
77.0	20.199	36.343	25.751	45.6	0.0	0.0	0.0	0.0
78.0	20.132	36.343	25.768	45.1	0.0	0.0	0.0	0.0
79.0	20.023	36.342	25.796	44.9	0.0	0.0	0.0	0.0
80.0	19.903	36.348	25.833	45.0	0.0	0.0	0.0	0.0
81.0	19.829	36.354	25.857	44.8	0.0	0.0	0.0	0.0
82.0	19.758	36.348	25.872	44.7	0.0	0.0	0.0	0.0
83.0	19.683	36.356	25.897	44.8	0.0	0.0	0.0	0.0
84.0	19.611	36.360	25.920	44.7	0.0	0.0	0.0	0.0
85.0	19.555	36.365	25.937	44.7	0.0	0.0	0.0	0.0
86.0	19.531	36.365	25.944	44.5	0.0	0.0	0.0	0.0
87.0	19.512	36.366	25.949	44.6	0.0	0.0	0.0	0.0
88.0	19.509	36.367	25.951	44.6	0.0	0.0	0.0	0.0
89.0	19.509	36.365	25.950	44.7	0.0	0.0	0.0	0.0
90.0	19.506	36.363	25.949	44.7	0.0	0.0	0.0	0.0
91.0	19.467	36.361	25.957	44.7	0.0	0.0	0.0	0.0
92.0	19.400	36.361	25.975	45.1	0.0	0.0	0.0	0.0
93.0	19.347	36.366	25.993	45.4	0.0	0.0	0.0	0.0
94.0	19.322	36.365	25.998	45.4	0.0	0.0	0.0	0.0
95.0	19.298	36.364	26.004	45.2	0.0	0.0	0.0	0.0
96.0	19.264	36.360	26.010	44.8	0.0	0.0	0.0	0.0
97.0	19.231	36.359	26.017	44.3	0.0	0.0	0.0	0.0
98.0	19.208	36.360	26.024	44.1	0.0	0.0	0.0	0.0
99.0	19.167	36.363	26.037	43.4	0.0	0.0	0.0	0.0
100.0	19.091	36.364	26.057	42.6	0.0	0.0	0.0	0.0
101.0	19.013	36.366	26.079	41.6	0.0	0.0	0.0	0.0
102.0	18.975	36.368	26.091	40.4	0.0	0.0	0.0	0.0
103.0	18.956	36.367	26.094	39.4	0.0	0.0	0.0	0.0
104.0	18.931	36.366	26.100	38.7	0.0	0.0	0.0	0.0
105.0	18.896	36.366	26.109	38.3	0.0	0.0	0.0	0.0
106.0	18.857	36.365	26.118	38.1	0.0	0.0	0.0	0.0
107.0	18.818	36.362	26.126	38.1	0.0	0.0	0.0	0.0
108.0	18.764	36.361	26.139	38.3	0.0	0.0	0.0	0.0
109.0	18.714	36.361	26.152	38.6	0.0	0.0	0.0	0.0
110.0	18.667	36.358	26.162	38.8	0.0	0.0	0.0	0.0
111.0	18.583	36.353	26.179	38.8	0.0	0.0	0.0	0.0
112.0	18.498	36.356	26.203	38.3	0.0	0.0	0.0	0.0
113.0	18.423	36.354	26.220	37.9	0.0	0.0	0.0	0.0
114.0	18.286	36.344	26.246	38.1	0.0	0.0	0.0	0.0
115.0	18.114	36.339	26.286	38.4	0.0	0.0	0.0	0.0
116.0	17.967	36.335	26.319	39.0	0.0	0.0	0.0	0.0
117.0	17.800	36.323	26.351	39.7	0.0	0.0	0.0	0.0
118.0	17.698	36.330	26.382	40.6	0.0	0.0	0.0	0.0
119.0	17.602	36.345	26.417	42.0	0.0	0.0	0.0	0.0
120.0	17.396	36.333	26.458	43.1	0.0	0.0	0.0	0.0

Station: 17
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 52.33 N
 Longitude 93 31.83 W
 Time: Year Day Hour Minute
 1981 197 7 12

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	17.238	36.324	26.490	43.7	0.0	0.0	0.0	0.0
122.0	17.233	36.324	26.491	44.0	0.0	0.0	0.0	0.0
123.0	17.231	36.323	26.491	44.2	0.0	0.0	0.0	0.0
124.0	17.224	36.323	26.492	44.3	0.0	0.0	0.0	0.0
125.0	17.221	36.321	26.492	44.1	0.0	0.0	0.0	0.0
126.0	17.211	36.315	26.489	43.8	0.0	0.0	0.0	0.0
127.0	17.175	36.305	26.490	43.5	0.0	0.0	0.0	0.0
128.0	17.123	36.298	26.498	43.4	0.0	0.0	0.0	0.0
129.0	17.059	36.288	26.505	43.7	0.0	0.0	0.0	0.0
130.0	17.000	36.282	26.515	44.0	0.0	0.0	0.0	0.0
131.0	16.928	36.276	26.528	44.2	0.0	0.0	0.0	0.0
132.0	16.846	36.267	26.540	44.2	0.0	0.0	0.0	0.0
133.0	16.795	36.260	26.547	44.0	0.0	0.0	0.0	0.0
134.0	16.768	36.258	26.552	43.9	0.0	0.0	0.0	0.0
135.0	16.761	36.256	26.552	43.8	0.0	0.0	0.0	0.0
136.0	16.755	36.254	26.552	43.7	0.0	0.0	0.0	0.0
137.0	16.749	36.271	26.566	43.7	0.0	0.0	0.0	0.0
138.0	16.743	36.272	26.569	43.6	0.0	0.0	0.0	0.0
139.0	16.737	36.265	26.564	43.4	0.0	0.0	0.0	0.0
140.0	16.732	36.280	26.577	43.4	0.0	0.0	0.0	0.0
141.0	16.726	36.264	26.567	43.2	0.0	0.0	0.0	0.0
142.0	16.494	36.233	26.597	43.1	0.0	0.0	0.0	0.0
143.0	16.425	36.212	26.598	43.0	0.0	0.0	0.0	0.0
144.0	16.341	36.201	26.608	42.9	0.0	0.0	0.0	0.0
145.0	16.087	36.167	26.642	42.9	0.0	0.0	0.0	0.0
146.0	16.087	36.166	26.641	42.8	0.0	0.0	0.0	0.0
147.0	16.089	36.164	26.639	42.8	0.0	0.0	0.0	0.0
148.0	16.090	36.163	26.638	42.7	0.0	0.0	0.0	0.0
149.0	16.091	36.162	26.638	42.7	0.0	0.0	0.0	0.0
150.0	16.092	36.161	26.636	42.7	0.0	0.0	0.0	0.0
151.0	16.093	36.161	26.636	42.7	0.0	0.0	0.0	0.0
152.0	16.090	36.163	26.639	42.6	-79.9	-40.9	89.3	242.9
153.0	16.083	36.163	26.640	43.9	-35.0	-17.9	39.3	242.9
154.0	16.066	36.159	26.641	45.2	0.0	0.0	0.0	0.0
155.0	16.047	36.157	26.643	44.4	0.0	0.0	0.0	0.0
156.0	16.030	36.154	26.645	43.2	0.0	0.0	0.0	0.0
157.0	16.008	36.147	26.645	42.7	0.0	0.0	0.0	0.0
158.0	15.972	36.143	26.654	43.1	0.0	0.0	0.0	0.0
159.0	15.944	36.146	26.659	43.4	0.0	0.0	0.0	0.0
160.0	15.906	36.139	26.662	42.4	0.0	0.0	0.0	0.0
161.0	15.862	36.131	26.666	41.2	0.0	0.0	0.0	0.0
162.0	15.824	36.128	26.673	40.7	0.0	0.0	0.0	0.0
163.0	15.787	36.122	26.676	40.4	0.0	0.0	0.0	0.0
164.0	15.769	36.121	26.680	39.8	0.0	0.0	0.0	0.0
165.0	15.756	36.117	26.680	37.4	0.0	0.0	0.0	0.0

Station: 18
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 49.73 N
 Longitude 93 30.94 W
 Time: Year Day Hour Minute
 1981 197 8 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.517	35.802	22.513	56.9	0.0	0.0	0.0	0.0
2.0	29.522	35.800	22.510	57.4	0.0	0.0	0.0	0.0
3.0	29.515	35.802	22.513	58.4	0.0	0.0	0.0	0.0
4.0	29.518	35.802	22.512	58.5	0.0	0.0	0.0	0.0
5.0	29.522	35.801	22.510	58.1	0.0	0.0	0.0	0.0
6.0	29.520	35.801	22.510	57.9	0.0	0.0	0.0	0.0
7.0	29.519	35.800	22.510	57.6	0.0	0.0	0.0	0.0
8.0	29.520	35.801	22.511	57.6	0.0	0.0	0.0	0.0
9.0	29.513	35.806	22.517	57.4	0.0	0.0	0.0	0.0
10.0	29.504	35.812	22.524	57.6	0.0	0.0	0.0	0.0
11.0	29.504	35.819	22.530	57.3	0.0	0.0	0.0	0.0
12.0	29.504	35.834	22.541	56.1	0.0	0.0	0.0	0.0
13.0	29.509	35.858	22.557	55.4	0.0	0.0	0.0	0.0
14.0	29.513	35.871	22.566	55.6	0.0	0.0	0.0	0.0
15.0	29.514	35.878	22.570	55.8	0.0	0.0	0.0	0.0
16.0	29.520	35.897	22.583	56.0	0.0	0.0	0.0	0.0
17.0	29.515	35.905	22.591	56.3	0.0	0.0	0.0	0.0
18.0	29.428	35.895	22.612	56.5	0.0	0.0	0.0	0.0
19.0	29.207	35.916	22.703	56.6	0.0	0.0	0.0	0.0
20.0	28.978	35.940	22.798	57.0	0.0	0.0	0.0	0.0
21.0	28.940	36.035	22.882	57.3	0.0	0.0	0.0	0.0
22.0	29.008	36.168	22.959	57.4	0.0	0.0	0.0	0.0
23.0	29.093	36.345	23.064	57.5	0.0	0.0	0.0	0.0
24.0	29.108	36.421	23.116	57.1	0.0	0.0	0.0	0.0
25.0	29.089	36.433	23.131	56.7	0.0	0.0	0.0	0.0
26.0	29.028	36.435	23.153	56.0	0.0	0.0	0.0	0.0
27.0	28.958	36.438	23.181	55.7	0.0	0.0	0.0	0.0
28.0	28.877	36.431	23.201	56.4	0.0	0.0	0.0	0.0
29.0	28.786	36.431	23.231	57.0	0.0	0.0	0.0	0.0
30.0	28.685	36.433	23.266	57.1	0.0	0.0	0.0	0.0
31.0	28.614	36.427	23.286	56.7	0.0	0.0	0.0	0.0
32.0	28.518	36.419	23.311	56.0	0.0	0.0	0.0	0.0
33.0	28.409	36.410	23.341	55.7	0.0	0.0	0.0	0.0
34.0	28.355	36.409	23.358	56.0	0.0	0.0	0.0	0.0
35.0	28.319	36.401	23.364	56.0	0.0	0.0	0.0	0.0
36.0	28.293	36.399	23.371	56.0	0.0	0.0	0.0	0.0
37.0	28.253	36.407	23.390	56.0	0.0	0.0	0.0	0.0
38.0	28.192	36.412	23.414	55.7	0.0	0.0	0.0	0.0
39.0	28.088	36.411	23.448	55.9	0.0	0.0	0.0	0.0
40.0	27.959	36.407	23.488	55.7	0.0	0.0	0.0	0.0
41.0	27.737	36.386	23.544	55.4	0.0	0.0	0.0	0.0
42.0	27.474	36.366	23.614	54.6	0.0	0.0	0.0	0.0
43.0	27.108	36.361	23.729	53.8	0.0	0.0	0.0	0.0
44.0	26.787	36.363	23.833	54.1	0.0	0.0	0.0	0.0
45.0	26.540	36.363	23.912	54.4	0.0	0.0	0.0	0.0
46.0	25.776	36.344	24.138	54.6	0.0	0.0	0.0	0.0
47.0	25.253	36.332	24.290	54.6	0.0	0.0	0.0	0.0
48.0	24.896	36.330	24.398	54.6	0.0	0.0	0.0	0.0
49.0	24.541	36.315	24.494	54.1	0.0	0.0	0.0	0.0
50.0	24.323	36.340	24.579	53.8	0.0	0.0	0.0	0.0
51.0	24.139	36.320	24.618	53.6	0.0	0.0	0.0	0.0
52.0	23.887	36.323	24.696	53.1	0.0	0.0	0.0	0.0
53.0	23.555	36.363	24.824	52.5	0.0	0.0	0.0	0.0
54.0	23.259	36.315	24.875	51.9	0.0	0.0	0.0	0.0
55.0	23.059	36.315	24.932	51.6	0.0	0.0	0.0	0.0
56.0	22.951	36.308	24.959	51.7	0.0	0.0	0.0	0.0
57.0	22.860	36.303	24.975	51.8	0.0	0.0	0.0	0.0
58.0	22.810	36.310	25.001	52.1	0.0	0.0	0.0	0.0
59.0	22.718	36.302	25.021	52.0	0.0	0.0	0.0	0.0
60.0	22.603	36.302	25.054	51.8	0.0	0.0	0.0	0.0

Station: 18
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 49.73 N
 Longitude 93 30.94 W
 Time: Year Day Hour Minute
 1981 197 8 8

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
61.0	22.497	36.305	25.087	51.6	0.0	0.0	0.0	0.0
62.0	22.311	36.289	25.127	51.1	0.0	0.0	0.0	0.0
63.0	22.098	36.277	25.179	50.9	0.0	0.0	0.0	0.0
64.0	21.970	36.285	25.221	50.7	0.0	0.0	0.0	0.0
65.0	21.885	36.293	25.251	50.3	0.0	0.0	0.0	0.0
66.0	21.823	36.304	25.277	50.1	0.0	0.0	0.0	0.0
67.0	21.747	36.311	25.304	50.2	0.0	0.0	0.0	0.0
68.0	21.657	36.301	25.321	50.1	0.0	0.0	0.0	0.0
69.0	21.562	36.295	25.343	50.1	0.0	0.0	0.0	0.0
70.0	21.481	36.295	25.365	49.9	0.0	0.0	0.0	0.0
71.0	21.375	36.290	25.391	49.8	0.0	0.0	0.0	0.0
72.0	21.272	36.287	25.417	49.5	0.0	0.0	0.0	0.0
73.0	21.134	36.292	25.459	49.1	0.0	0.0	0.0	0.0
74.0	20.974	36.290	25.501	48.9	0.0	0.0	0.0	0.0
75.0	20.869	36.293	25.532	48.7	0.0	0.0	0.0	0.0
76.0	20.808	36.298	25.552	48.5	0.0	0.0	0.0	0.0
77.0	20.757	36.302	25.569	48.3	0.0	0.0	0.0	0.0
78.0	20.700	36.301	25.584	48.0	0.0	0.0	0.0	0.0
79.0	20.639	36.303	25.601	47.7	0.0	0.0	0.0	0.0
80.0	20.604	36.307	25.614	47.4	0.0	0.0	0.0	0.0
81.0	20.650	36.313	25.607	47.2	0.0	0.0	0.0	0.0
82.0	20.619	36.316	25.617	47.1	0.0	0.0	0.0	0.0
83.0	20.639	36.318	25.614	46.9	0.0	0.0	0.0	0.0
84.0	20.193	36.341	25.750	46.6	0.0	0.0	0.0	0.0
85.0	19.808	36.358	25.866	46.4	0.0	0.0	0.0	0.0
86.0	19.604	36.370	25.928	46.2	0.0	0.0	0.0	0.0
87.0	19.402	36.383	25.991	46.1	0.0	0.0	0.0	0.0
88.0	19.409	36.383	25.990	46.2	0.0	0.0	0.0	0.0
89.0	19.409	36.385	25.991	46.5	0.0	0.0	0.0	0.0
90.0	19.408	36.389	25.994	46.5	0.0	0.0	0.0	0.0
91.0	19.353	36.388	26.008	46.2	0.0	0.0	0.0	0.0
92.0	19.302	36.391	26.024	45.0	0.0	0.0	0.0	0.0
93.0	19.273	36.387	26.028	44.2	0.0	0.0	0.0	0.0
94.0	19.249	36.381	26.029	43.3	0.0	0.0	0.0	0.0
95.0	19.216	36.377	26.035	42.4	0.0	0.0	0.0	0.0
96.0	19.185	36.373	26.044	41.9	0.0	0.0	0.0	0.0
97.0	19.174	36.381	26.049	41.7	0.0	0.0	0.0	0.0
98.0	19.159	36.381	26.052	41.6	0.0	0.0	0.0	0.0
99.0	19.137	36.380	26.057	41.3	0.0	0.0	0.0	0.0
100.0	19.117	36.380	26.063	40.5	0.0	0.0	0.0	0.0
101.0	19.096	36.378	26.067	39.7	0.0	0.0	0.0	0.0
102.0	19.087	36.377	26.068	39.2	0.0	0.0	0.0	0.0
103.0	19.078	36.377	26.071	39.0	0.0	0.0	0.0	0.0
104.0	19.071	36.379	26.074	39.3	0.0	0.0	0.0	0.0
105.0	19.066	36.373	26.074	39.2	0.0	0.0	0.0	0.0
106.0	19.057	36.375	26.075	39.1	0.0	0.0	0.0	0.0
107.0	19.037	36.376	26.080	38.6	0.0	0.0	0.0	0.0
108.0	19.001	36.369	26.085	38.0	0.0	0.0	0.0	0.0
109.0	18.954	36.359	26.089	37.6	0.0	0.0	0.0	0.0
110.0	18.871	36.363	26.113	37.9	0.0	0.0	0.0	0.0
111.0	18.809	36.373	26.137	38.7	0.0	0.0	0.0	0.0
112.0	18.773	36.366	26.140	39.6	0.0	0.0	0.0	0.0
113.0	18.743	36.368	26.149	40.6	0.0	0.0	0.0	0.0
114.0	18.734	36.369	26.153	41.5	0.0	0.0	0.0	0.0
115.0	18.729	36.369	26.154	42.1	0.0	0.0	0.0	0.0
116.0	18.718	36.366	26.154	42.3	0.0	0.0	0.0	0.0
117.0	18.684	36.370	26.166	43.3	0.0	0.0	0.0	0.0
118.0	18.631	36.372	26.181	44.2	0.0	0.0	0.0	0.0
119.0	18.603	36.376	26.191	44.8	0.0	0.0	0.0	0.0
120.0	18.609	36.402	26.210	45.3	0.0	0.0	0.0	0.0

Station: 18
 Cruise : 51-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 49.73 N
 Longitude 93 30.94 W
 Time: Year Day Hour Minute
 1981 197 8 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.582	36.404	26.218	45.1	0.0	0.0	0.0	0.0
122.0	18.283	36.357	26.257	43.9	0.0	0.0	0.0	0.0
123.0	18.008	36.311	26.291	43.0	0.0	0.0	0.0	0.0
124.0	17.701	36.311	26.367	42.6	0.0	0.0	0.0	0.0
125.0	17.442	36.290	26.414	42.6	0.0	0.0	0.0	0.0
126.0	17.233	36.287	26.462	42.8	0.0	0.0	0.0	0.0
127.0	17.115	36.282	26.487	42.8	0.0	0.0	0.0	0.0
128.0	17.023	36.280	26.508	43.0	0.0	0.0	0.0	0.0
129.0	16.922	36.272	26.526	43.1	0.0	0.0	0.0	0.0
130.0	16.834	36.263	26.540	43.3	0.0	0.0	0.0	0.0
131.0	16.769	36.255	26.550	43.7	0.0	0.0	0.0	0.0
132.0	16.721	36.246	26.554	44.0	0.0	0.0	0.0	0.0
133.0	16.687	36.235	26.566	43.9	0.0	0.0	0.0	0.0
134.0	16.574	36.220	26.569	43.9	0.0	0.0	0.0	0.0
135.0	16.515	36.214	26.578	44.0	0.0	0.0	0.0	0.0
136.0	16.406	36.206	26.598	44.8	0.0	0.0	0.0	0.0
137.0	16.345	36.192	26.601	45.2	0.0	0.0	0.0	0.0
138.0	16.312	36.181	26.601	45.2	0.0	0.0	0.0	0.0
139.0	16.270	36.191	26.618	45.3	0.0	0.0	0.0	0.0
140.0	16.258	36.189	26.619	45.8	0.0	0.0	0.0	0.0
141.0	16.253	36.185	26.617	46.1	0.0	0.0	0.0	0.0
142.0	16.206	36.176	26.621	45.8	0.0	0.0	0.0	0.0
143.0	16.165	36.168	26.625	45.2	0.0	0.0	0.0	0.0
144.0	16.126	36.170	26.635	44.9	0.0	0.0	0.0	0.0
145.0	16.085	36.163	26.640	44.6	0.0	0.0	0.0	0.0
146.0	16.050	36.148	26.636	44.9	0.0	0.0	0.0	0.0
147.0	15.995	36.146	26.647	45.2	0.0	0.0	0.0	0.0
148.0	15.947	36.145	26.657	45.2	0.0	0.0	0.0	0.0
149.0	15.928	36.137	26.656	44.9	0.0	0.0	0.0	0.0
150.0	15.909	36.135	26.658	44.7	0.0	0.0	0.0	0.0
151.0	15.884	36.126	26.657	45.2	0.0	0.0	0.0	0.0
152.0	15.834	36.115	26.660	45.6	0.0	0.0	0.0	0.0
153.0	15.774	36.117	26.676	45.5	0.0	0.0	0.0	0.0
154.0	15.732	36.111	26.680	45.3	0.0	0.0	0.0	0.0
155.0	15.690	36.101	26.682	44.6	0.0	0.0	0.0	0.0
156.0	15.643	36.095	26.689	44.3	0.0	0.0	0.0	0.0
157.0	15.610	36.094	26.695	44.0	0.0	0.0	0.0	0.0
158.0	15.599	36.094	26.698	43.9	0.0	0.0	0.0	0.0
159.0	15.592	36.098	26.702	43.9	0.0	0.0	0.0	0.0
160.0	15.584	36.093	26.700	44.0	0.0	0.0	0.0	0.0
161.0	15.576	36.082	26.694	43.8	0.0	0.0	0.0	0.0
162.0	15.541	36.080	26.700	43.2	0.0	0.0	0.0	0.0
163.0	15.513	36.082	26.708	42.7	0.0	0.0	0.0	0.0
164.0	15.512	36.081	26.708	42.5	0.0	0.0	0.0	0.0
165.0	15.481	36.074	26.709	42.9	0.0	0.0	0.0	0.0
166.0	15.408	36.068	26.721	42.9	0.0	0.0	0.0	0.0
167.0	15.349	36.065	26.732	42.5	0.0	0.0	0.0	0.0
168.0	15.345	36.057	26.727	41.8	0.0	0.0	0.0	0.0
169.0	15.332	36.056	26.729	42.2	0.0	0.0	0.0	0.0
170.0	15.322	36.050	26.726	42.9	0.0	0.0	0.0	0.0
171.0	15.310	36.049	26.728	43.5	0.0	0.0	0.0	0.0
172.0	15.300	36.050	26.731	44.0	0.0	0.0	0.0	0.0
173.0	15.287	36.048	26.733	44.5	0.0	0.0	0.0	0.0
174.0	15.266	36.042	26.733	44.3	0.0	0.0	0.0	0.0
175.0	15.231	36.031	26.732	43.9	0.0	0.0	0.0	0.0
176.0	15.194	36.031	26.741	43.5	0.0	0.0	0.0	0.0
177.0	15.179	36.035	26.747	43.1	0.0	0.0	0.0	0.0
178.0	15.178	36.033	26.746	42.9	0.0	0.0	0.0	0.0
179.0	15.169	36.032	26.747	43.0	0.0	0.0	0.0	0.0
180.0	15.159	36.032	26.749	43.0	0.0	0.0	0.0	0.0

Station: 18
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 49.73 N
 Longitude 93 30.94 W
 Time: Year Day Hour Minute
 1981 197 8 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
181.0	15.155	36.030	26.748	42.5	0.0	0.0	0.0	0.0
182.0	15.151	36.029	26.749	42.0	0.0	0.0	0.0	0.0
183.0	15.145	36.028	26.749	41.8	0.0	0.0	0.0	0.0
184.0	15.135	36.023	26.748	42.0	0.0	0.0	0.0	0.0
185.0	15.117	36.017	26.747	41.5	0.0	0.0	0.0	0.0
186.0	15.062	36.008	26.753	40.5	0.0	0.0	0.0	0.0
187.0	15.011	36.011	26.766	39.2	0.0	0.0	0.0	0.0
188.0	14.993	36.002	26.763	38.5	0.0	0.0	0.0	0.0
189.0	14.979	36.001	26.765	38.6	0.0	0.0	0.0	0.0
190.0	14.976	36.002	26.767	39.5	0.0	0.0	0.0	0.0
191.0	14.975	36.001	26.766	40.3	0.0	0.0	0.0	0.0
192.0	14.973	36.000	26.766	40.0	0.0	0.0	0.0	0.0
193.0	14.973	36.001	26.767	38.5	0.0	0.0	0.0	0.0
194.0	14.974	36.002	26.768	37.6	0.0	0.0	0.0	0.0

Station: 19
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.18 N
 Longitude 93 29.75 W
 Time: Year Day Hour Minute
 1981 197 8 58

Depth m	Temp des C	Sal ppt	Sigma-t ks/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
1.0	29.470	35.782	22.513	52.4	74.6	74.6	105.5	45.0
2.0	29.470	35.783	22.514	52.3	74.6	74.6	105.5	45.0
3.0	29.469	35.784	22.515	52.2	74.6	74.6	105.5	45.0
4.0	29.468	35.785	22.516	54.0	74.6	74.6	105.5	45.0
5.0	29.467	35.787	22.518	56.2	74.6	74.6	105.5	45.0
6.0	29.462	35.789	22.521	52.9	74.6	74.6	105.5	45.0
7.0	29.463	35.791	22.523	53.1	74.6	74.6	105.5	45.0
8.0	29.462	35.792	22.524	53.3	74.6	74.6	105.5	45.0
9.0	29.461	35.793	22.525	53.7	74.6	74.6	105.5	45.0
10.0	29.460	35.795	22.527	52.1	74.6	74.6	105.5	45.0
11.0	29.465	35.798	22.527	51.9	74.6	74.6	105.5	45.0
12.0	29.456	35.810	22.539	50.9	74.6	74.6	105.5	45.0
13.0	29.310	35.820	22.596	51.0	74.6	74.6	105.5	45.0
14.0	29.295	35.830	22.609	51.5	74.6	74.6	105.5	45.0
15.0	29.290	35.839	22.617	52.0	74.6	74.6	105.5	45.0
16.0	29.285	35.930	22.687	52.1	74.6	74.6	105.5	45.0
17.0	29.215	36.000	22.763	51.9	74.6	74.6	105.5	45.0
18.0	29.195	36.200	22.920	51.5	74.6	74.6	105.5	45.0
19.0	29.150	36.300	23.011	51.0	74.6	74.6	105.5	45.0
20.0	29.090	36.353	23.071	50.7	74.6	74.6	105.5	45.0
21.0	29.002	36.375	23.117	50.3	74.6	74.6	105.5	45.0
22.0	29.000	36.395	23.132	50.3	0.0	0.0	0.0	0.0
23.0	28.961	36.419	23.164	55.4	0.0	0.0	0.0	0.0
24.0	28.955	36.429	23.173	55.2	0.0	0.0	0.0	0.0
25.0	28.918	36.429	23.187	55.5	0.0	0.0	0.0	0.0
26.0	28.893	36.435	23.198	55.5	0.0	0.0	0.0	0.0
27.0	28.860	36.437	23.211	55.0	0.0	0.0	0.0	0.0
28.0	28.799	36.439	23.233	54.2	0.0	0.0	0.0	0.0
29.0	28.743	36.435	23.249	54.0	0.0	0.0	0.0	0.0
30.0	28.671	36.429	23.268	53.9	0.0	0.0	0.0	0.0
31.0	28.581	36.424	23.295	53.9	0.0	0.0	0.0	0.0
32.0	28.531	36.429	23.315	53.9	0.0	0.0	0.0	0.0
33.0	28.518	36.433	23.322	54.1	0.0	0.0	0.0	0.0
34.0	28.452	36.433	23.344	54.5	0.0	0.0	0.0	0.0
35.0	28.342	36.431	23.379	54.4	0.0	0.0	0.0	0.0
36.0	28.247	36.423	23.405	53.7	0.0	0.0	0.0	0.0
37.0	28.148	36.425	23.438	53.2	0.0	0.0	0.0	0.0
38.0	27.937	36.418	23.503	53.0	0.0	0.0	0.0	0.0
39.0	27.747	36.412	23.560	52.9	0.0	0.0	0.0	0.0
40.0	27.687	36.411	23.579	52.9	0.0	0.0	0.0	0.0
41.0	27.480	36.397	23.636	53.1	0.0	0.0	0.0	0.0
42.0	26.947	36.394	23.806	52.7	0.0	0.0	0.0	0.0
43.0	26.512	36.399	23.948	52.0	0.0	0.0	0.0	0.0
44.0	26.108	36.398	24.074	52.1	0.0	0.0	0.0	0.0
45.0	25.592	36.366	24.211	52.8	0.0	0.0	0.0	0.0
46.0	24.874	36.335	24.403	53.2	0.0	0.0	0.0	0.0
47.0	24.536	36.373	24.544	52.8	0.0	0.0	0.0	0.0
48.0	24.324	36.353	24.588	52.7	0.0	0.0	0.0	0.0
49.0	24.057	36.341	24.659	52.6	0.0	0.0	0.0	0.0
50.0	23.788	36.371	24.762	52.6	0.0	0.0	0.0	0.0
51.0	23.397	36.350	24.861	52.0	0.0	0.0	0.0	0.0
52.0	23.062	36.299	24.920	52.2	0.0	0.0	0.0	0.0
53.0	22.928	36.281	24.945	52.7	0.0	0.0	0.0	0.0
54.0	22.847	36.298	24.981	52.7	0.0	0.0	0.0	0.0
55.0	22.764	36.310	25.014	52.3	0.0	0.0	0.0	0.0
56.0	22.744	36.307	25.017	51.8	0.0	0.0	0.0	0.0
57.0	22.685	36.304	25.032	51.2	0.0	0.0	0.0	0.0
58.0	22.560	36.310	25.072	50.8	0.0	0.0	0.0	0.0
59.0	22.405	36.314	25.120	50.4	0.0	0.0	0.0	0.0
60.0	22.332	36.323	25.147	50.4	0.0	0.0	0.0	0.0

Station: 19
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.18 N
 Longitude 93 29.75 W
 Time: Year Day Hour Minute
 1981 197 8 58

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.238	36.331	25.180	50.1	0.0	0.0	0.0	0.0
62.0	22.159	36.339	25.209	49.9	0.0	0.0	0.0	0.0
63.0	22.121	36.342	25.222	50.1	0.0	0.0	0.0	0.0
64.0	22.050	36.343	25.243	49.8	0.0	0.0	0.0	0.0
65.0	21.947	36.343	25.272	49.4	0.0	0.0	0.0	0.0
66.0	21.836	36.331	25.293	49.0	0.0	0.0	0.0	0.0
67.0	21.736	36.314	25.308	48.3	0.0	0.0	0.0	0.0
68.0	21.605	36.297	25.332	47.7	0.0	0.0	0.0	0.0
69.0	21.488	36.293	25.362	47.1	0.0	0.0	0.0	0.0
70.0	21.346	36.305	25.410	46.6	0.0	0.0	0.0	0.0
71.0	21.184	36.310	25.459	46.4	0.0	0.0	0.0	0.0
72.0	21.117	36.306	25.474	46.3	0.0	0.0	0.0	0.0
73.0	21.106	36.307	25.473	46.3	0.0	0.0	0.0	0.0
74.0	21.060	36.308	25.491	46.3	0.0	0.0	0.0	0.0
75.0	20.944	36.309	25.524	46.3	0.0	0.0	0.0	0.0
76.0	20.719	36.321	25.594	46.0	0.0	0.0	0.0	0.0
77.0	20.496	36.334	25.665	45.7	0.0	0.0	0.0	0.0
78.0	20.457	36.335	25.676	45.5	0.0	0.0	0.0	0.0
79.0	20.455	36.334	25.675	45.5	0.0	0.0	0.0	0.0
80.0	20.448	36.333	25.677	45.2	0.0	0.0	0.0	0.0
81.0	20.430	36.334	25.682	44.9	0.0	0.0	0.0	0.0
82.0	20.397	36.336	25.692	44.6	0.0	0.0	0.0	0.0
83.0	20.354	36.340	25.707	44.3	0.0	0.0	0.0	0.0
84.0	20.318	36.342	25.718	44.6	0.0	0.0	0.0	0.0
85.0	20.253	36.347	25.739	45.0	0.0	0.0	0.0	0.0
86.0	20.104	36.364	25.792	45.2	0.0	0.0	0.0	0.0
87.0	19.978	36.373	25.833	45.4	0.0	0.0	0.0	0.0
88.0	19.909	36.379	25.855	45.3	0.0	0.0	0.0	0.0
89.0	19.855	36.372	25.864	45.0	0.0	0.0	0.0	0.0
90.0	19.820	36.356	25.861	44.9	0.0	0.0	0.0	0.0
91.0	19.720	36.355	25.887	44.7	0.0	0.0	0.0	0.0
92.0	19.590	36.372	25.934	44.3	0.0	0.0	0.0	0.0
93.0	19.477	36.375	25.965	43.9	0.0	0.0	0.0	0.0
94.0	19.430	36.374	25.977	43.7	0.0	0.0	0.0	0.0
95.0	19.389	36.374	25.988	43.4	0.0	0.0	0.0	0.0
96.0	19.351	36.375	25.999	43.4	0.0	0.0	0.0	0.0
97.0	19.327	36.374	26.004	43.5	0.0	0.0	0.0	0.0
98.0	19.316	36.372	26.005	43.5	0.0	0.0	0.0	0.0
99.0	19.282	36.371	26.013	43.2	0.0	0.0	0.0	0.0
100.0	19.232	36.374	26.029	42.4	0.0	0.0	0.0	0.0
101.0	19.183	36.379	26.045	41.3	0.0	0.0	0.0	0.0
102.0	19.145	36.381	26.056	40.0	0.0	0.0	0.0	0.0
103.0	19.127	36.376	26.057	39.1	0.0	0.0	0.0	0.0
104.0	19.116	36.371	26.056	39.0	0.0	0.0	0.0	0.0
105.0	19.105	36.372	26.059	39.0	0.0	0.0	0.0	0.0
106.0	19.090	36.370	26.062	39.0	0.0	0.0	0.0	0.0
107.0	19.080	36.370	26.064	38.7	0.0	0.0	0.0	0.0
108.0	19.071	36.371	26.068	37.8	0.0	0.0	0.0	0.0
109.0	19.063	36.371	26.070	37.1	0.0	0.0	0.0	0.0
110.0	19.054	36.371	26.072	37.0	0.0	0.0	0.0	0.0
111.0	19.041	36.371	26.075	38.0	0.0	0.0	0.0	0.0
112.0	19.015	36.372	26.083	40.0	0.0	0.0	0.0	0.0
113.0	18.960	36.371	26.096	42.3	0.0	0.0	0.0	0.0
114.0	18.921	36.375	26.110	42.7	0.0	0.0	0.0	0.0
115.0	18.916	36.379	26.114	42.2	0.0	0.0	0.0	0.0
116.0	18.903	36.381	26.119	41.8	0.0	0.0	0.0	0.0
117.0	18.904	36.371	26.111	41.8	0.0	0.0	0.0	0.0
118.0	18.882	36.381	26.124	42.3	0.0	0.0	0.0	0.0
119.0	18.824	36.410	26.161	42.9	0.0	0.0	0.0	0.0
120.0	18.796	36.418	26.174	43.3	0.0	0.0	0.0	0.0

Station: 19
 Cruise : 81-NG-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.18 N
 Longitude 93 29.75 W
 Time: Year Day Hour Minute
 1981 197 8 58

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.761	36.422	26.186	43.7	0.0	0.0	0.0	0.0
122.0	18.681	36.425	26.209	44.3	0.0	0.0	0.0	0.0
123.0	18.588	36.430	26.236	44.6	0.0	0.0	0.0	0.0
124.0	18.506	36.431	26.258	44.6	0.0	0.0	0.0	0.0
125.0	18.451	36.428	26.269	44.0	0.0	0.0	0.0	0.0
126.0	18.393	36.438	26.291	43.4	0.0	0.0	0.0	0.0
127.0	18.332	36.442	26.310	43.4	0.0	0.0	0.0	0.0
128.0	18.285	36.438	26.318	43.5	0.0	0.0	0.0	0.0
129.0	18.179	36.428	26.338	43.7	0.0	0.0	0.0	0.0
130.0	18.026	36.412	26.364	43.7	0.0	0.0	0.0	0.0
131.0	17.907	36.398	26.383	43.5	0.0	0.0	0.0	0.0
132.0	17.786	36.392	26.408	43.0	0.0	0.0	0.0	0.0
133.0	17.637	36.369	26.427	42.1	0.0	0.0	0.0	0.0
134.0	17.533	36.351	26.439	41.3	0.0	0.0	0.0	0.0
135.0	17.455	36.344	26.453	41.1	0.0	0.0	0.0	0.0
136.0	17.367	36.343	26.473	41.7	0.0	0.0	0.0	0.0
137.0	17.294	36.337	26.487	42.5	0.0	0.0	0.0	0.0
138.0	17.215	36.330	26.500	43.0	0.0	0.0	0.0	0.0
139.0	17.155	36.317	26.505	43.5	0.0	0.0	0.0	0.0
140.0	17.128	36.313	26.508	43.7	0.0	0.0	0.0	0.0
141.0	17.106	36.310	26.511	44.0	0.0	0.0	0.0	0.0
142.0	17.070	36.305	26.516	44.2	0.0	0.0	0.0	0.0
143.0	17.049	36.302	26.519	44.3	0.0	0.0	0.0	0.0
144.0	17.024	36.302	26.524	44.1	0.0	0.0	0.0	0.0
145.0	17.008	36.298	26.525	43.9	0.0	0.0	0.0	0.0
146.0	16.985	36.298	26.531	43.8	0.0	0.0	0.0	0.0
147.0	16.959	36.297	26.536	43.7	0.0	0.0	0.0	0.0
148.0	16.756	36.273	26.566	43.6	0.0	0.0	0.0	0.0
149.0	16.687	36.265	26.576	43.4	0.0	0.0	0.0	0.0
150.0	16.494	36.240	26.603	43.1	0.0	0.0	0.0	0.0
151.0	16.480	36.234	26.602	42.9	0.0	0.0	0.0	0.0
152.0	16.463	36.228	26.601	42.7	0.0	0.0	0.0	0.0
153.0	16.441	36.221	26.601	42.7	0.0	0.0	0.0	0.0
154.0	16.368	36.214	26.612	42.8	0.0	0.0	0.0	0.0
155.0	16.296	36.205	26.623	43.0	0.0	0.0	0.0	0.0
156.0	16.202	36.179	26.625	43.2	0.0	0.0	0.0	0.0
157.0	16.101	36.171	26.642	43.2	0.0	0.0	0.0	0.0
158.0	16.065	36.169	26.648	43.4	0.0	0.0	0.0	0.0
159.0	16.034	36.166	26.653	43.8	0.0	0.0	0.0	0.0
160.0	15.970	36.153	26.658	44.0	0.0	0.0	0.0	0.0
161.0	15.900	36.142	26.666	44.2	0.0	0.0	0.0	0.0
162.0	15.848	36.135	26.672	44.3	0.0	0.0	0.0	0.0
163.0	15.826	36.132	26.675	44.0	0.0	0.0	0.0	0.0
164.0	15.814	36.130	26.677	44.1	0.0	0.0	0.0	0.0
165.0	15.803	36.129	26.678	44.1	0.0	0.0	0.0	0.0
166.0	15.789	36.127	26.680	43.8	0.0	0.0	0.0	0.0
167.0	15.773	36.124	26.681	43.4	0.0	0.0	0.0	0.0
168.0	15.758	36.122	26.683	43.1	0.0	0.0	0.0	0.0
169.0	15.699	36.117	26.693	43.1	0.0	0.0	0.0	0.0
170.0	15.627	36.115	26.708	43.0	0.0	0.0	0.0	0.0
171.0	15.581	36.098	26.705	43.2	0.0	0.0	0.0	0.0
172.0	15.551	36.092	26.707	43.2	0.0	0.0	0.0	0.0
173.0	15.536	36.087	26.706	42.8	0.0	0.0	0.0	0.0
174.0	15.523	36.084	26.707	42.7	0.0	0.0	0.0	0.0
175.0	15.509	36.084	26.710	42.9	0.0	0.0	0.0	0.0
176.0	15.492	36.084	26.714	43.3	0.0	0.0	0.0	0.0
177.0	15.478	36.080	26.714	43.3	0.0	0.0	0.0	0.0
178.0	15.464	36.081	26.719	43.4	0.0	0.0	0.0	0.0
179.0	15.410	36.072	26.724	43.2	0.0	0.0	0.0	0.0
180.0	15.341	36.066	26.735	43.1	0.0	0.0	0.0	0.0

Station: 19
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.18 N
 Longitude 93 29.75 W
 Time: Year Day Hour Minute
 1981 197 8 58

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
181.0	15.231	36.046	26.744	42.7	0.0	0.0	0.0	0.0
182.0	15.143	36.030	26.751	42.5	0.0	0.0	0.0	0.0
183.0	15.141	36.030	26.752	42.2	0.0	0.0	0.0	0.0
184.0	15.141	36.030	26.751	42.1	0.0	0.0	0.0	0.0
185.0	15.138	36.028	26.750	41.8	0.0	0.0	0.0	0.0
186.0	15.125	36.025	26.752	42.4	0.0	0.0	0.0	0.0
187.0	15.118	36.025	26.753	42.1	0.0	0.0	0.0	0.0
188.0	15.105	36.023	26.755	41.5	0.0	0.0	0.0	0.0
189.0	15.089	36.021	26.756	41.1	0.0	0.0	0.0	0.0
190.0	15.075	36.019	26.758	41.2	0.0	0.0	0.0	0.0
191.0	15.071	36.017	26.757	41.3	0.0	0.0	0.0	0.0
192.0	15.069	36.017	26.758	41.2	0.0	0.0	0.0	0.0
193.0	15.066	36.017	26.758	41.1	0.0	0.0	0.0	0.0
194.0	15.060	36.016	26.759	41.5	0.0	0.0	0.0	0.0
195.0	15.043	36.014	26.761	42.0	0.0	0.0	0.0	0.0
196.0	14.994	36.007	26.767	42.0	0.0	0.0	0.0	0.0
197.0	14.953	36.001	26.771	41.3	0.0	0.0	0.0	0.0
198.0	14.934	35.997	26.772	41.2	0.0	0.0	0.0	0.0
199.0	14.920	35.995	26.774	40.4	0.0	0.0	0.0	0.0
200.0	14.904	35.992	26.775	39.9	0.0	0.0	0.0	0.0
201.0	14.883	35.990	26.778	40.2	0.0	0.0	0.0	0.0
202.0	14.856	35.988	26.782	39.9	0.0	0.0	0.0	0.0
203.0	14.812	35.980	26.786	39.5	0.0	0.0	0.0	0.0
204.0	14.820	35.977	26.782	39.0	0.0	0.0	0.0	0.0

Station: 20
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.26 N
 Longitude 93 34.85 W
 Time: Year Day Hour Minute
 1981 197 10 35

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direc des
1.0	29.400	36.127	22.726	53.6	.0	.*	.*	45.0
2.0	29.350	36.004	22.721	53.5	.0	.*	.*	45.0
3.0	29.325	35.978	22.710	53.9	.0	.*	.*	45.0
4.0	29.315	35.981	22.715	54.0	.0	.*	.*	45.0
5.0	29.300	36.000	22.735	53.3	.0	.*	.*	45.0
6.0	29.293	36.011	22.745	54.2	.0	.*	.*	45.0
7.0	29.285	36.024	22.758	56.0	.0	.*	.*	45.0
8.0	29.279	36.030	22.764	51.0	.0	.*	.*	45.0
9.0	29.273	36.055	22.785	56.2	0.0	0.0	0.0	0.0
10.0	29.261	36.064	22.797	56.1	0.0	0.0	0.0	0.0
11.0	29.279	36.090	22.809	55.7	0.0	0.0	0.0	0.0
12.0	29.298	36.113	22.820	55.5	0.0	0.0	0.0	0.0
13.0	29.300	36.119	22.824	55.3	0.0	0.0	0.0	0.0
14.0	29.270	36.111	22.828	55.2	0.0	0.0	0.0	0.0
15.0	29.254	36.107	22.830	55.1	0.0	0.0	0.0	0.0
16.0	29.248	36.107	22.833	55.0	0.0	0.0	0.0	0.0
17.0	29.242	36.114	22.840	55.0	0.0	0.0	0.0	0.0
18.0	29.228	36.126	22.854	55.3	0.0	0.0	0.0	0.0
19.0	29.213	36.137	22.867	56.5	0.0	0.0	0.0	0.0
20.0	29.192	36.149	22.883	56.5	0.0	0.0	0.0	0.0
21.0	29.173	36.157	22.895	56.0	0.0	0.0	0.0	0.0
22.0	29.139	36.167	22.914	55.3	0.0	0.0	0.0	0.0
23.0	29.088	36.184	22.944	55.2	0.0	0.0	0.0	0.0
24.0	28.996	36.215	22.999	55.4	0.0	0.0	0.0	0.0
25.0	28.918	36.230	23.114	55.6	0.0	0.0	0.0	0.0
26.0	28.899	36.376	23.219	56.0	0.0	0.0	0.0	0.0
27.0	28.614	36.385	23.254	56.1	0.0	0.0	0.0	0.0
28.0	28.512	36.398	23.298	55.3	0.0	0.0	0.0	0.0
29.0	28.449	36.412	23.329	55.4	0.0	0.0	0.0	0.0
30.0	28.405	36.412	23.344	54.3	0.0	0.0	0.0	0.0
31.0	28.273	36.397	23.376	54.6	0.0	0.0	0.0	0.0
32.0	28.030	36.372	23.438	54.5	0.0	0.0	0.0	0.0
33.0	27.979	36.401	23.476	54.4	0.0	0.0	0.0	0.0
34.0	27.935	36.413	23.500	54.4	0.0	0.0	0.0	0.0
35.0	27.797	36.405	23.533	54.5	0.0	0.0	0.0	0.0
36.0	27.504	36.384	23.619	54.5	0.0	0.0	0.0	0.0
37.0	27.182	36.375	23.716	54.4	0.0	0.0	0.0	0.0
38.0	27.015	36.362	23.759	54.2	0.0	0.0	0.0	0.0
39.0	26.831	36.322	23.788	54.0	0.0	0.0	0.0	0.0
40.0	26.516	36.310	23.879	53.6	0.0	0.0	0.0	0.0
41.0	25.888	36.297	24.067	53.4	0.0	0.0	0.0	0.0
42.0	25.471	36.282	24.185	53.2	0.0	0.0	0.0	0.0
43.0	24.938	36.274	24.343	53.6	0.0	0.0	0.0	0.0
44.0	24.227	36.308	24.583	54.1	0.0	0.0	0.0	0.0
45.0	23.967	36.336	24.682	54.2	0.0	0.0	0.0	0.0
46.0	23.877	36.309	24.689	53.1	0.0	0.0	0.0	0.0
47.0	23.847	36.307	24.696	52.6	0.0	0.0	0.0	0.0
48.0	23.809	36.300	24.702	52.4	0.0	0.0	0.0	0.0
49.0	23.787	36.296	24.705	52.5	0.0	0.0	0.0	0.0
50.0	23.795	36.308	24.712	52.3	0.0	0.0	0.0	0.0
51.0	23.800	36.321	24.720	51.4	0.0	0.0	0.0	0.0
52.0	23.723	36.303	24.729	50.5	0.0	0.0	0.0	0.0
53.0	23.556	36.304	24.779	50.4	0.0	0.0	0.0	0.0
54.0	23.434	36.310	24.820	50.3	0.0	0.0	0.0	0.0
55.0	23.346	36.295	24.834	51.7	0.0	0.0	0.0	0.0
56.0	23.232	36.290	24.863	52.0	0.0	0.0	0.0	0.0
57.0	23.114	36.293	24.900	51.1	0.0	0.0	0.0	0.0
58.0	23.019	36.302	24.935	50.2	0.0	0.0	0.0	0.0
59.0	22.932	36.311	24.966	49.4	0.0	0.0	0.0	0.0
60.0	22.818	36.322	25.003	49.2	0.0	0.0	0.0	0.0

Station: 20
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.26 N
 Longitude 98 34.85 W
 Time: Year Day Hour Minute
 1981 197 10 35

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
61.0	22.675	36.324	25.050	49.4	0.0	0.0	0.0	0.0
62.0	22.538	36.311	25.080	49.5	0.0	0.0	0.0	0.0
63.0	22.427	36.310	25.111	49.7	0.0	0.0	0.0	0.0
64.0	22.303	36.310	25.144	49.5	0.0	0.0	0.0	0.0
65.0	22.116	36.331	25.215	49.3	0.0	0.0	0.0	0.0
66.0	21.893	36.343	25.302	49.5	0.0	0.0	0.0	0.0
67.0	21.837	36.347	25.305	48.9	0.0	0.0	0.0	0.0
68.0	21.780	36.343	25.318	48.6	0.0	0.0	0.0	0.0
69.0	21.724	36.351	25.340	48.5	0.0	0.0	0.0	0.0
70.0	21.724	36.361	25.348	47.7	0.0	0.0	0.0	0.0
71.0	21.713	36.367	25.356	47.3	0.0	0.0	0.0	0.0
72.0	21.624	36.366	25.379	47.4	0.0	0.0	0.0	0.0
73.0	21.509	36.362	25.409	47.2	0.0	0.0	0.0	0.0
74.0	21.409	36.364	25.437	47.1	0.0	0.0	0.0	0.0
75.0	21.317	36.370	25.468	46.7	0.0	0.0	0.0	0.0
76.0	21.225	36.377	25.498	46.1	0.0	0.0	0.0	0.0
77.0	21.155	36.375	25.516	46.1	0.0	0.0	0.0	0.0
78.0	21.115	36.372	25.525	46.4	0.0	0.0	0.0	0.0
79.0	21.013	36.359	25.543	46.3	0.0	0.0	0.0	0.0
80.0	20.844	36.345	25.578	46.1	0.0	0.0	0.0	0.0
81.0	20.694	36.330	25.607	45.9	0.0	0.0	0.0	0.0
82.0	20.575	36.328	25.638	46.0	0.0	0.0	0.0	0.0
83.0	20.479	36.329	25.665	45.9	0.0	0.0	0.0	0.0
84.0	20.390	36.345	25.701	45.8	0.0	0.0	0.0	0.0
85.0	20.323	36.350	25.723	45.6	0.0	0.0	0.0	0.0
86.0	20.251	36.359	25.749	45.3	0.0	0.0	0.0	0.0
87.0	20.179	36.359	25.768	44.9	0.0	0.0	0.0	0.0
88.0	20.130	36.367	25.788	45.3	0.0	0.0	0.0	0.0
89.0	20.088	36.374	25.804	45.8	0.0	0.0	0.0	0.0
90.0	20.021	36.384	25.831	46.0	0.0	0.0	0.0	0.0
91.0	19.965	36.401	25.857	45.9	0.0	0.0	0.0	0.0
92.0	19.916	36.420	25.884	45.2	0.0	0.0	0.0	0.0
93.0	19.862	36.426	25.903	44.8	0.0	0.0	0.0	0.0
94.0	19.813	36.426	25.917	44.8	0.0	0.0	0.0	0.0
95.0	19.758	36.429	25.933	44.8	0.0	0.0	0.0	0.0
96.0	19.759	36.429	25.933	44.7	0.0	0.0	0.0	0.0
97.0	19.760	36.428	25.932	44.6	0.0	0.0	0.0	0.0
98.0	19.762	36.428	25.931	44.6	0.0	0.0	0.0	0.0
99.0	19.692	36.430	25.951	44.8	0.0	0.0	0.0	0.0
100.0	19.647	36.429	25.962	46.1	0.0	0.0	0.0	0.0
101.0	19.625	36.428	25.968	45.3	0.0	0.0	0.0	0.0
102.0	19.593	36.430	25.977	44.7	0.0	0.0	0.0	0.0
103.0	19.542	36.431	25.991	44.4	0.0	0.0	0.0	0.0
104.0	19.494	36.430	26.003	44.2	0.0	0.0	0.0	0.0
105.0	19.455	36.432	26.015	44.3	0.0	0.0	0.0	0.0
106.0	19.366	36.435	26.041	44.3	0.0	0.0	0.0	0.0
107.0	19.239	36.427	26.067	44.0	0.0	0.0	0.0	0.0
108.0	19.156	36.422	26.085	43.5	0.0	0.0	0.0	0.0
109.0	19.118	36.419	26.093	43.4	0.0	0.0	0.0	0.0
110.0	19.110	36.419	26.095	43.2	0.0	0.0	0.0	0.0
111.0	19.088	36.421	26.102	43.3	0.0	0.0	0.0	0.0
112.0	19.064	36.421	26.108	43.5	0.0	0.0	0.0	0.0
113.0	19.039	36.422	26.115	44.1	0.0	0.0	0.0	0.0
114.0	19.018	36.425	26.123	44.7	0.0	0.0	0.0	0.0
115.0	19.005	36.426	26.127	45.1	0.0	0.0	0.0	0.0
116.0	18.948	36.427	26.142	45.0	0.0	0.0	0.0	0.0
117.0	18.895	36.427	26.156	44.9	0.0	0.0	0.0	0.0
118.0	18.834	36.426	26.171	45.0	0.0	0.0	0.0	0.0
119.0	18.809	36.427	26.178	45.0	0.0	0.0	0.0	0.0
120.0	18.762	36.428	26.190	45.0	0.0	0.0	0.0	0.0

Station: 20
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.26 N
 Longitude 98 34.85 W
 Time: Year Day Hour Minute
 1981 197 10 35

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
121.0	18.671	36.429	26.215	45.0	0.0	0.0	0.0	0.0
122.0	18.566	36.438	26.248	44.9	0.0	0.0	0.0	0.0
123.0	18.472	36.444	26.275	44.9	0.0	0.0	0.0	0.0
124.0	18.432	36.443	26.285	45.1	0.0	0.0	0.0	0.0
125.0	18.367	36.435	26.296	45.7	0.0	0.0	0.0	0.0
126.0	18.307	36.430	26.307	46.3	0.0	0.0	0.0	0.0
127.0	18.272	36.430	26.316	46.2	0.0	0.0	0.0	0.0
128.0	18.250	36.425	26.318	44.9	0.0	0.0	0.0	0.0
129.0	18.202	36.421	26.327	44.4	0.0	0.0	0.0	0.0
130.0	18.142	36.416	26.338	44.3	0.0	0.0	0.0	0.0
131.0	18.108	36.412	26.343	44.1	0.0	0.0	0.0	0.0
132.0	18.092	36.411	26.347	43.7	0.0	0.0	0.0	0.0
133.0	18.049	36.414	26.350	44.0	0.0	0.0	0.0	0.0
134.0	17.998	36.419	26.376	44.3	0.0	0.0	0.0	0.0
135.0	17.990	36.421	26.379	44.1	0.0	0.0	0.0	0.0
136.0	17.972	36.422	26.385	43.9	0.0	0.0	0.0	0.0
137.0	17.943	36.420	26.391	44.6	0.0	0.0	0.0	0.0
138.0	17.914	36.419	26.397	45.2	0.0	0.0	0.0	0.0
139.0	17.871	36.415	26.405	45.3	0.0	0.0	0.0	0.0
140.0	17.801	36.410	26.418	45.3	0.0	0.0	0.0	0.0
141.0	17.688	36.401	26.439	45.2	0.0	0.0	0.0	0.0
142.0	17.620	36.390	26.447	45.2	0.0	0.0	0.0	0.0
143.0	17.594	36.383	26.448	45.0	0.0	0.0	0.0	0.0
144.0	17.581	36.380	26.449	44.8	0.0	0.0	0.0	0.0
145.0	17.486	36.371	26.478	44.6	0.0	0.0	0.0	0.0
146.0	17.306	36.355	26.497	44.5	0.0	0.0	0.0	0.0
147.0	17.151	36.334	26.513	44.7	0.0	0.0	0.0	0.0
148.0	17.105	36.329	26.526	44.7	0.0	0.0	0.0	0.0
149.0	17.078	36.320	26.526	44.4	0.0	0.0	0.0	0.0
150.0	17.050	36.314	26.527	44.1	0.0	0.0	0.0	0.0
151.0	17.006	36.305	26.531	43.9	0.0	0.0	0.0	0.0
152.0	16.949	36.296	26.538	43.8	0.0	0.0	0.0	0.0
153.0	16.908	36.289	26.542	44.0	0.0	0.0	0.0	0.0
154.0	16.852	36.280	26.548	44.3	0.0	0.0	0.0	0.0
155.0	16.805	36.274	26.555	44.4	0.0	0.0	0.0	0.0
156.0	16.766	36.268	26.560	44.7	0.0	0.0	0.0	0.0
157.0	16.715	36.261	26.567	44.9	0.0	0.0	0.0	0.0
158.0	16.675	36.256	26.572	45.0	0.0	0.0	0.0	0.0
159.0	16.657	36.252	26.574	45.1	0.0	0.0	0.0	0.0
160.0	16.645	36.250	26.575	44.5	0.0	0.0	0.0	0.0
161.0	16.587	36.247	26.587	44.0	0.0	0.0	0.0	0.0
162.0	16.537	36.239	26.592	43.6	0.0	0.0	0.0	0.0
163.0	16.529	36.235	26.591	43.5	0.0	0.0	0.0	0.0
164.0	16.521	36.233	26.591	43.5	0.0	0.0	0.0	0.0
165.0	16.488	36.231	26.597	43.4	0.0	0.0	0.0	0.0
166.0	16.451	36.226	26.602	43.5	0.0	0.0	0.0	0.0
167.0	16.318	36.202	26.615	43.1	0.0	0.0	0.0	0.0
168.0	16.157	36.188	26.641	43.0	0.0	0.0	0.0	0.0
169.0	16.074	36.184	26.658	42.9	0.0	0.0	0.0	0.0
170.0	16.051	36.175	26.656	43.2	0.0	0.0	0.0	0.0
171.0	16.013	36.171	26.662	43.5	0.0	0.0	0.0	0.0
172.0	15.996	36.153	26.652	43.7	0.0	0.0	0.0	0.0
173.0	15.983	36.143	26.647	43.5	0.0	0.0	0.0	0.0
174.0	15.967	36.145	26.653	43.1	0.0	0.0	0.0	0.0
175.0	15.954	36.151	26.661	43.0	0.0	0.0	0.0	0.0
176.0	15.950	36.150	26.660	43.1	0.0	0.0	0.0	0.0
177.0	15.941	36.149	26.662	42.9	0.0	0.0	0.0	0.0
178.0	15.922	36.146	26.664	42.9	0.0	0.0	0.0	0.0
179.0	15.867	36.145	26.676	42.9	0.0	0.0	0.0	0.0
180.0	15.803	36.139	26.686	43.1	0.0	0.0	0.0	0.0

Station: 20
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.26 N
 Longitude 93 34.85 W
 Time: Year Day Hour Minute
 1981 197 10 35

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
181.0	15.740	36.121	26.686	43.0	0.0	0.0	0.0	0.0
182.0	15.693	36.113	26.691	42.7	0.0	0.0	0.0	0.0
183.0	15.626	36.111	26.704	42.4	0.0	0.0	0.0	0.0
184.0	15.584	36.106	26.711	42.1	0.0	0.0	0.0	0.0
185.0	15.553	36.093	26.707	41.6	0.0	0.0	0.0	0.0
186.0	15.536	36.089	26.708	42.1	0.0	0.0	0.0	0.0
187.0	15.511	36.084	26.710	42.4	0.0	0.0	0.0	0.0
188.0	15.495	36.081	26.712	42.4	0.0	0.0	0.0	0.0
189.0	15.472	36.079	26.715	42.6	0.0	0.0	0.0	0.0
190.0	15.451	36.076	26.718	42.3	0.0	0.0	0.0	0.0
191.0	15.433	36.072	26.718	42.0	0.0	0.0	0.0	0.0
192.0	15.416	36.071	26.721	41.8	0.0	0.0	0.0	0.0
193.0	15.396	36.069	26.724	42.0	0.0	0.0	0.0	0.0
194.0	15.363	36.063	26.727	42.5	0.0	0.0	0.0	0.0
195.0	15.306	36.058	26.736	43.0	0.0	0.0	0.0	0.0
196.0	15.251	36.052	26.744	42.8	0.0	0.0	0.0	0.0
197.0	15.215	36.042	26.744	42.4	0.0	0.0	0.0	0.0
198.0	15.211	36.041	26.744	42.6	0.0	0.0	0.0	0.0
199.0	15.208	36.039	26.743	42.6	0.0	0.0	0.0	0.0
200.0	15.204	36.038	26.744	42.6	0.0	0.0	0.0	0.0
201.0	15.191	36.038	26.746	42.3	0.0	0.0	0.0	0.0
202.0	15.134	36.030	26.753	41.9	0.0	0.0	0.0	0.0
203.0	15.066	36.020	26.761	41.4	0.0	0.0	0.0	0.0
204.0	15.010	36.012	26.767	41.4	0.0	0.0	0.0	0.0
205.0	14.972	36.006	26.771	41.3	0.0	0.0	0.0	0.0
206.0	14.955	36.001	26.771	41.1	0.0	0.0	0.0	0.0
207.0	14.944	35.999	26.772	41.0	0.0	0.0	0.0	0.0
208.0	14.937	35.999	26.773	41.0	0.0	0.0	0.0	0.0
209.0	14.920	35.996	26.775	40.9	0.0	0.0	0.0	0.0
210.0	14.901	35.993	26.777	40.9	0.0	0.0	0.0	0.0
211.0	14.887	35.991	26.778	41.1	0.0	0.0	0.0	0.0
212.0	14.877	35.989	26.778	41.1	0.0	0.0	0.0	0.0
213.0	14.862	35.984	26.778	41.1	0.0	0.0	0.0	0.0
214.0	14.841	35.982	26.781	41.1	0.0	0.0	0.0	0.0
215.0	14.821	35.982	26.785	41.2	0.0	0.0	0.0	0.0
216.0	14.819	35.980	26.784	41.3	0.0	0.0	0.0	0.0
217.0	14.801	35.978	26.787	41.9	0.0	0.0	0.0	0.0
218.0	14.757	35.975	26.794	42.2	0.0	0.0	0.0	0.0
219.0	14.691	35.962	26.798	42.3	0.0	0.0	0.0	0.0
220.0	14.578	35.944	26.809	42.3	0.0	0.0	0.0	0.0
221.0	14.481	35.932	26.822	42.5	0.0	0.0	0.0	0.0
222.0	14.415	35.917	26.824	42.3	0.0	0.0	0.0	0.0
223.0	14.327	35.906	26.835	41.7	0.0	0.0	0.0	0.0
224.0	14.211	35.899	26.854	40.9	0.0	0.0	0.0	0.0
225.0	14.046	35.875	26.871	40.9	0.0	0.0	0.0	0.0
226.0	13.906	35.853	26.883	41.2	0.0	0.0	0.0	0.0
227.0	13.848	35.836	26.883	41.7	0.0	0.0	0.0	0.0
228.0	13.799	35.828	26.887	42.1	0.0	0.0	0.0	0.0
229.0	13.764	35.820	26.888	42.6	0.0	0.0	0.0	0.0
230.0	13.726	35.816	26.893	42.9	0.0	0.0	0.0	0.0
231.0	13.675	35.809	26.898	42.2	0.0	0.0	0.0	0.0
232.0	13.559	35.791	26.908	41.4	0.0	0.0	0.0	0.0
233.0	13.465	35.777	26.917	40.8	0.0	0.0	0.0	0.0
234.0	13.416	35.772	26.923	41.1	0.0	0.0	0.0	0.0
235.0	13.358	35.759	26.925	41.4	0.0	0.0	0.0	0.0
236.0	13.296	35.747	26.928	41.5	0.0	0.0	0.0	0.0
237.0	13.271	35.743	26.930	41.6	0.0	0.0	0.0	0.0
238.0	13.261	35.740	26.931	41.4	0.0	0.0	0.0	0.0
239.0	13.253	35.738	26.930	41.1	0.0	0.0	0.0	0.0
240.0	13.249	35.737	26.931	40.6	0.0	0.0	0.0	0.0

Station: 20
 Cruise : 61-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.26 N
 Longitude 93 34.85 W
 Time: Year Day Hour Minute
 1981 197 10 35

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direc des
241.0	13.248	35.736	26.930	40.4	0.0	0.0	0.0	0.0
242.0	13.245	35.735	26.930	40.4	0.0	0.0	0.0	0.0
243.0	13.237	35.735	26.932	40.5	0.0	0.0	0.0	0.0
244.0	13.231	35.733	26.931	41.4	0.0	0.0	0.0	0.0
245.0	13.221	35.731	26.932	41.9	0.0	0.0	0.0	0.0
246.0	13.204	35.727	26.932	41.8	0.0	0.0	0.0	0.0
247.0	13.165	35.722	26.936	41.6	0.0	0.0	0.0	0.0
248.0	13.143	35.719	26.938	40.9	0.0	0.0	0.0	0.0
249.0	13.130	35.719	26.941	40.6	0.0	0.0	0.0	0.0
250.0	13.103	35.716	26.944	41.0	0.0	0.0	0.0	0.0
251.0	13.067	35.706	26.944	41.4	0.0	0.0	0.0	0.0
252.0	13.064	35.719	26.954	41.5	0.0	0.0	0.0	0.0
253.0	13.014	35.712	26.959	41.5	0.0	0.0	0.0	0.0
254.0	12.944	35.687	26.954	40.9	0.0	0.0	0.0	0.0
255.0	12.926	35.685	26.956	40.1	0.0	0.0	0.0	0.0
256.0	12.922	35.686	26.957	39.4	0.0	0.0	0.0	0.0

Station: 21
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 45.61 N
 Longitude 93 36.13 W
 Time: Year Day Hour Minute
 1981 197 11 40

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.3553	36.101	22.793	56.3	0.0	0.0	0.0	0.0
2.0	29.351	36.102	22.794	57.7	0.0	0.0	0.0	0.0
3.0	29.348	36.103	22.726	57.5	0.0	0.0	0.0	0.0
4.0	29.348	36.105	22.797	57.2	0.0	0.0	0.0	0.0
5.0	29.352	36.108	22.798	56.7	0.0	0.0	0.0	0.0
6.0	29.361	36.118	22.803	56.4	0.0	0.0	0.0	0.0
7.0	29.372	36.131	22.803	56.5	0.0	0.0	0.0	0.0
8.0	29.378	36.142	22.815	56.7	0.0	0.0	0.0	0.0
9.0	29.381	36.151	22.821	56.7	0.0	0.0	0.0	0.0
10.0	29.380	36.153	22.823	56.5	0.0	0.0	0.0	0.0
11.0	29.369	36.165	22.835	56.1	0.0	0.0	0.0	0.0
12.0	29.355	36.174	22.848	56.0	0.0	0.0	0.0	0.0
13.0	29.351	36.178	22.852	56.2	0.0	0.0	0.0	0.0
14.0	29.344	36.181	22.855	56.6	0.0	0.0	0.0	0.0
15.0	29.339	36.180	22.857	57.2	0.0	0.0	0.0	0.0
16.0	29.336	36.182	22.859	57.1	0.0	0.0	0.0	0.0
17.0	29.334	36.183	22.861	56.4	0.0	0.0	0.0	0.0
18.0	29.329	36.183	22.862	55.8	0.0	0.0	0.0	0.0
19.0	29.311	36.183	22.863	56.3	0.0	0.0	0.0	0.0
20.0	29.292	36.182	22.874	56.8	0.0	0.0	0.0	0.0
21.0	29.262	36.181	22.884	56.5	0.0	0.0	0.0	0.0
22.0	29.228	36.179	22.894	56.2	0.0	0.0	0.0	0.0
23.0	29.167	36.184	22.918	56.3	0.0	0.0	0.0	0.0
24.0	28.942	36.224	23.024	56.3	0.0	0.0	0.0	0.0
25.0	28.686	36.281	23.152	55.9	0.0	0.0	0.0	0.0
26.0	28.462	36.303	23.177	55.6	0.0	0.0	0.0	0.0
27.0	28.657	36.329	23.197	55.6	0.0	0.0	0.0	0.0
28.0	28.669	36.364	23.220	56.1	0.0	0.0	0.0	0.0
29.0	28.695	36.367	23.234	56.4	0.0	0.0	0.0	0.0
30.0	28.575	36.370	23.256	56.3	0.0	0.0	0.0	0.0
31.0	28.461	36.372	23.296	56.1	0.0	0.0	0.0	0.0
32.0	28.335	36.367	23.333	56.1	0.0	0.0	0.0	0.0
33.0	28.269	36.359	23.349	55.7	0.0	0.0	0.0	0.0
34.0	28.248	36.356	23.353	55.1	0.0	0.0	0.0	0.0
35.0	28.260	36.379	23.367	54.3	0.0	0.0	0.0	0.0
36.0	28.140	36.410	23.430	53.8	0.0	0.0	0.0	0.0
37.0	27.661	36.369	23.556	54.0	0.0	0.0	0.0	0.0
38.0	27.099	36.279	23.670	54.1	0.0	0.0	0.0	0.0
39.0	26.510	36.251	23.837	53.8	0.0	0.0	0.0	0.0
40.0	25.940	36.235	24.004	53.5	0.0	0.0	0.0	0.0
41.0	25.507	36.240	24.142	53.6	0.0	0.0	0.0	0.0
42.0	24.977	36.285	24.339	53.6	0.0	0.0	0.0	0.0
43.0	24.523	36.343	24.525	53.0	0.0	0.0	0.0	0.0
44.0	24.344	36.359	24.587	52.6	0.0	0.0	0.0	0.0
45.0	24.220	36.359	24.624	52.9	0.0	0.0	0.0	0.0
46.0	23.987	36.360	24.694	53.2	0.0	0.0	0.0	0.0
47.0	23.742	36.352	24.761	53.2	0.0	0.0	0.0	0.0
48.0	23.590	36.349	24.804	53.4	0.0	0.0	0.0	0.0
49.0	23.549	36.348	24.814	53.5	0.0	0.0	0.0	0.0
50.0	23.499	36.347	24.828	53.1	0.0	0.0	0.0	0.0
51.0	23.427	36.347	24.849	52.2	0.0	0.0	0.0	0.0
52.0	23.299	36.331	24.875	51.3	0.0	0.0	0.0	0.0
53.0	23.131	36.309	24.907	51.1	0.0	0.0	0.0	0.0
54.0	23.045	36.309	24.932	51.3	0.0	0.0	0.0	0.0
55.0	23.036	36.309	24.935	51.6	0.0	0.0	0.0	0.0
56.0	22.990	36.309	24.948	52.0	0.0	0.0	0.0	0.0
57.0	22.952	36.309	24.959	51.9	0.0	0.0	0.0	0.0
58.0	22.935	36.307	24.962	51.2	0.0	0.0	0.0	0.0
59.0	22.931	36.307	24.964	50.3	0.0	0.0	0.0	0.0
60.0	22.934	36.309	24.965	49.8	0.0	0.0	0.0	0.0

Station: 21
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 45.61 N
 Longitude 93 36.13 W
 Time: Year Day Hour Minute
 1981 197 11 40

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.932	36.310	24.966	49.7	0.0	0.0	0.0	0.0
62.0	22.939	36.319	24.970	49.1	0.0	0.0	0.0	0.0
63.0	22.911	36.321	24.980	48.6	0.0	0.0	0.0	0.0
64.0	22.850	36.319	24.996	48.3	0.0	0.0	0.0	0.0
65.0	22.766	36.308	25.012	48.3	0.0	0.0	0.0	0.0
66.0	22.659	36.308	25.043	48.2	0.0	0.0	0.0	0.0
67.0	22.515	36.313	25.088	47.9	0.0	0.0	0.0	0.0
68.0	22.392	36.320	25.128	47.9	0.0	0.0	0.0	0.0
69.0	22.295	36.320	25.156	47.8	0.0	0.0	0.0	0.0
70.0	22.144	36.322	25.200	47.3	0.0	0.0	0.0	0.0
71.0	21.920	36.329	25.269	46.7	0.0	0.0	0.0	0.0
72.0	21.673	36.325	25.334	46.5	0.0	0.0	0.0	0.0
73.0	21.493	36.312	25.375	46.4	0.0	0.0	0.0	0.0
74.0	21.425	36.328	25.406	46.0	0.0	0.0	0.0	0.0
75.0	21.340	36.341	25.439	45.5	0.0	0.0	0.0	0.0
76.0	21.154	36.330	25.482	45.8	0.0	0.0	0.0	0.0
77.0	20.959	36.337	25.541	46.4	0.0	0.0	0.0	0.0
78.0	20.847	36.344	25.577	46.9	0.0	0.0	0.0	0.0
79.0	20.773	36.349	25.601	47.4	0.0	0.0	0.0	0.0
80.0	20.705	36.350	25.620	47.5	0.0	0.0	0.0	0.0
81.0	20.657	36.360	25.640	47.3	0.0	0.0	0.0	0.0
82.0	20.574	36.367	25.668	46.8	0.0	0.0	0.0	0.0
83.0	20.481	36.340	25.673	46.4	0.0	0.0	0.0	0.0
84.0	20.384	36.340	25.699	45.4	0.0	0.0	0.0	0.0
85.0	20.316	36.341	25.718	44.9	0.0	0.0	0.0	0.0
86.0	20.251	36.347	25.740	44.6	0.0	0.0	0.0	0.0
87.0	20.185	36.357	25.765	44.3	0.0	0.0	0.0	0.0
88.0	20.149	36.364	25.780	44.1	0.0	0.0	0.0	0.0
89.0	20.089	36.379	25.808	44.0	0.0	0.0	0.0	0.0
90.0	20.030	36.391	25.832	43.9	0.0	0.0	0.0	0.0
91.0	19.973	36.399	25.854	44.5	0.0	0.0	0.0	0.0
92.0	19.891	36.408	25.882	45.0	0.0	0.0	0.0	0.0
93.0	19.794	36.414	25.912	45.4	0.0	0.0	0.0	0.0
94.0	19.708	36.416	25.936	45.7	0.0	0.0	0.0	0.0
95.0	19.672	36.415	25.945	45.2	0.0	0.0	0.0	0.0
96.0	19.664	36.413	25.946	45.1	0.0	0.0	0.0	0.0
97.0	19.660	36.412	25.946	44.8	0.0	0.0	0.0	0.0
98.0	19.653	36.411	25.947	44.4	0.0	0.0	0.0	0.0
99.0	19.649	36.412	25.948	44.2	0.0	0.0	0.0	0.0
100.0	19.635	36.412	25.953	44.2	0.0	0.0	0.0	0.0
101.0	19.603	36.416	25.964	44.3	0.0	0.0	0.0	0.0
102.0	19.579	36.417	25.971	44.2	0.0	0.0	0.0	0.0
103.0	19.557	36.417	25.977	44.4	0.0	0.0	0.0	0.0
104.0	19.509	36.421	25.992	44.7	0.0	0.0	0.0	0.0
105.0	19.459	36.425	26.008	44.9	0.0	0.0	0.0	0.0
106.0	19.405	36.426	26.023	44.7	0.0	0.0	0.0	0.0
107.0	19.358	36.425	26.035	44.4	0.0	0.0	0.0	0.0
108.0	19.323	36.423	26.042	43.9	0.0	0.0	0.0	0.0
109.0	19.290	36.421	26.049	43.4	0.0	0.0	0.0	0.0
110.0	19.272	36.420	26.054	43.3	0.0	0.0	0.0	0.0
111.0	19.215	36.417	26.066	43.4	0.0	0.0	0.0	0.0
112.0	19.151	36.414	26.080	43.6	0.0	0.0	0.0	0.0
113.0	19.108	36.411	26.088	44.4	0.0	0.0	0.0	0.0
114.0	19.070	36.410	26.098	45.3	0.0	0.0	0.0	0.0
115.0	19.015	36.409	26.111	45.5	0.0	0.0	0.0	0.0
116.0	18.911	36.407	26.136	45.4	0.0	0.0	0.0	0.0
117.0	18.801	36.406	26.164	45.5	0.0	0.0	0.0	0.0
118.0	18.753	36.412	26.181	45.1	0.0	0.0	0.0	0.0
119.0	18.639	36.428	26.222	44.2	0.0	0.0	0.0	0.0
120.0	18.617	36.427	26.227	43.6	0.0	0.0	0.0	0.0

Station: 21
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 45.61 N
 Longitude 98 36.13 W
 Time: Year Day Hour Minute
 1981 197 11 40

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.610	36.426	26.227	43.5	0.0	0.0	0.0	0.0
122.0	18.549	36.429	26.246	43.6	0.0	0.0	0.0	0.0
123.0	18.458	36.431	26.270	43.8	0.0	0.0	0.0	0.0
124.0	18.429	36.438	26.275	44.1	0.0	0.0	0.0	0.0
125.0	18.404	36.429	26.282	44.0	0.0	0.0	0.0	0.0
126.0	18.396	36.434	26.288	43.6	0.0	0.0	0.0	0.0
127.0	18.348	36.441	26.306	43.4	0.0	0.0	0.0	0.0
128.0	18.261	36.437	26.324	43.7	0.0	0.0	0.0	0.0
129.0	18.219	36.429	26.328	44.2	0.0	0.0	0.0	0.0
130.0	18.210	36.427	26.329	44.5	0.0	0.0	0.0	0.0
131.0	18.202	36.428	26.332	44.9	0.0	0.0	0.0	0.0
132.0	18.191	36.431	26.337	45.3	0.0	0.0	0.0	0.0
133.0	18.159	36.427	26.342	45.7	0.0	0.0	0.0	0.0
134.0	18.095	36.421	26.353	45.4	0.0	0.0	0.0	0.0
135.0	18.095	36.415	26.349	44.8	0.0	0.0	0.0	0.0
136.0	17.990	36.409	26.370	44.4	0.0	0.0	0.0	0.0
137.0	17.875	36.403	26.394	44.3	0.0	0.0	0.0	0.0
138.0	17.791	36.390	26.405	44.3	0.0	0.0	0.0	0.0
139.0	17.759	36.382	26.407	44.3	0.0	0.0	0.0	0.0
140.0	17.715	36.376	26.413	44.4	0.0	0.0	0.0	0.0
141.0	17.689	36.375	26.419	44.3	0.0	0.0	0.0	0.0
142.0	17.620	36.376	26.436	44.3	0.0	0.0	0.0	0.0
143.0	17.552	36.368	26.447	44.4	0.0	0.0	0.0	0.0
144.0	17.530	36.358	26.445	44.4	0.0	0.0	0.0	0.0
145.0	17.494	36.356	26.452	44.2	0.0	0.0	0.0	0.0
146.0	17.456	36.353	26.459	43.9	0.0	0.0	0.0	0.0
147.0	17.394	36.347	26.470	43.8	0.0	0.0	0.0	0.0
148.0	17.268	36.335	26.491	44.5	0.0	0.0	0.0	0.0
149.0	17.168	36.325	26.507	45.0	0.0	0.0	0.0	0.0
150.0	17.102	36.315	26.516	45.2	0.0	0.0	0.0	0.0
151.0	17.032	36.307	26.522	45.2	0.0	0.0	0.0	0.0
152.0	17.003	36.304	26.531	44.3	0.0	0.0	0.0	0.0
153.0	16.988	36.298	26.530	44.1	0.0	0.0	0.0	0.0
154.0	16.948	36.293	26.531	43.8	0.0	0.0	0.0	0.0
155.0	16.938	36.291	26.537	43.9	0.0	0.0	0.0	0.0
156.0	16.889	36.284	26.543	44.3	0.0	0.0	0.0	0.0
157.0	16.834	36.275	26.549	44.3	0.0	0.0	0.0	0.0
158.0	16.804	36.272	26.554	43.9	0.0	0.0	0.0	0.0
159.0	16.783	36.270	26.558	43.7	0.0	0.0	0.0	0.0
160.0	16.762	36.267	26.560	43.4	0.0	0.0	0.0	0.0
161.0	16.731	36.267	26.568	43.7	0.0	0.0	0.0	0.0
162.0	16.680	36.261	26.575	43.8	0.0	0.0	0.0	0.0
163.0	16.635	36.249	26.577	43.9	0.0	0.0	0.0	0.0
164.0	16.623	36.227	26.563	44.2	0.0	0.0	0.0	0.0
165.0	16.623	36.226	26.562	44.3	0.0	0.0	0.0	0.0
166.0	16.531	36.225	26.583	44.1	0.0	0.0	0.0	0.0
167.0	16.462	36.224	26.598	43.9	0.0	0.0	0.0	0.0
168.0	16.417	36.215	26.602	43.4	0.0	0.0	0.0	0.0
169.0	16.384	36.209	26.605	42.7	0.0	0.0	0.0	0.0
170.0	16.325	36.201	26.613	42.3	0.0	0.0	0.0	0.0
171.0	16.188	36.187	26.634	41.7	0.0	0.0	0.0	0.0
172.0	16.041	36.169	26.654	41.4	0.0	0.0	0.0	0.0
173.0	15.958	36.156	26.664	40.9	0.0	0.0	0.0	0.0
174.0	15.926	36.149	26.666	40.6	0.0	0.0	0.0	0.0
175.0	15.880	36.142	26.671	40.6	0.0	0.0	0.0	0.0
176.0	15.831	36.136	26.677	40.8	0.0	0.0	0.0	0.0
177.0	15.742	36.124	26.689	41.2	0.0	0.0	0.0	0.0
178.0	15.654	36.110	26.698	41.0	0.0	0.0	0.0	0.0
179.0	15.640	36.105	26.697	40.8	0.0	0.0	0.0	0.0
180.0	15.619	36.102	26.700	40.6	0.0	0.0	0.0	0.0

Station: 21
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 45.61 N
 Longitude 93 36.13 W
 Time: Year Day Hour Minute
 1981 197 11 40

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
181.0	15.564	36.096	26.707	40.3	0.0	0.0	0.0	0.0
182.0	15.499	36.086	26.715	40.8	0.0	0.0	0.0	0.0
183.0	15.428	36.076	26.723	41.2	0.0	0.0	0.0	0.0
184.0	15.342	36.066	26.734	41.1	0.0	0.0	0.0	0.0
185.0	15.262	36.054	26.743	41.3	0.0	0.0	0.0	0.0
186.0	15.217	36.044	26.746	41.1	0.0	0.0	0.0	0.0
187.0	15.201	36.039	26.749	41.0	0.0	0.0	0.0	0.0
188.0	15.187	36.037	26.746	41.0	0.0	0.0	0.0	0.0
189.0	15.165	36.036	26.751	41.1	0.0	0.0	0.0	0.0
190.0	15.126	36.029	26.754	41.4	0.0	0.0	0.0	0.0
191.0	15.081	36.021	26.758	42.1	0.0	0.0	0.0	0.0
192.0	15.037	36.016	26.763	42.7	0.0	0.0	0.0	0.0
193.0	15.013	36.010	26.765	43.0	0.0	0.0	0.0	0.0
194.0	14.999	36.007	26.766	43.0	0.0	0.0	0.0	0.0
195.0	14.961	36.003	26.771	42.7	0.0	0.0	0.0	0.0
196.0	14.930	35.986	26.764	42.5	0.0	0.0	0.0	0.0
197.0	14.945	35.963	26.743	42.6	0.0	0.0	0.0	0.0
198.0	14.861	35.970	26.767	42.7	0.0	0.0	0.0	0.0
199.0	14.792	35.977	26.788	43.1	0.0	0.0	0.0	0.0
200.0	14.759	35.971	26.791	43.4	0.0	0.0	0.0	0.0
201.0	14.737	35.967	26.793	43.3	0.0	0.0	0.0	0.0
202.0	14.704	35.964	26.797	43.0	0.0	0.0	0.0	0.0
203.0	14.639	35.957	26.806	42.5	0.0	0.0	0.0	0.0
204.0	14.590	35.948	26.810	42.6	0.0	0.0	0.0	0.0
205.0	14.560	35.942	26.812	42.8	0.0	0.0	0.0	0.0
206.0	14.519	35.937	26.816	42.7	0.0	0.0	0.0	0.0
207.0	14.500	35.931	26.816	42.5	0.0	0.0	0.0	0.0
208.0	14.477	35.927	26.818	42.6	0.0	0.0	0.0	0.0
209.0	14.446	35.924	26.823	42.7	0.0	0.0	0.0	0.0
210.0	14.421	35.920	26.825	42.9	0.0	0.0	0.0	0.0
211.0	14.391	35.915	26.828	43.0	0.0	0.0	0.0	0.0
212.0	14.351	35.913	26.835	42.6	0.0	0.0	0.0	0.0
213.0	14.282	35.906	26.844	41.9	0.0	0.0	0.0	0.0
214.0	14.213	35.891	26.848	41.4	0.0	0.0	0.0	0.0
215.0	14.193	35.885	26.847	41.4	0.0	0.0	0.0	0.0
216.0	14.167	35.883	26.851	41.2	0.0	0.0	0.0	0.0
217.0	14.124	35.877	26.855	41.0	0.0	0.0	0.0	0.0
218.0	14.062	35.867	26.861	41.3	0.0	0.0	0.0	0.0
219.0	14.011	35.861	26.867	41.3	0.0	0.0	0.0	0.0
220.0	13.946	35.851	26.873	40.7	0.0	0.0	0.0	0.0
221.0	13.827	35.848	26.896	39.9	0.0	0.0	0.0	0.0
222.0	13.770	35.834	26.897	39.6	0.0	0.0	0.0	0.0
223.0	13.754	35.815	26.886	39.2	0.0	0.0	0.0	0.0
224.0	13.740	35.811	26.886	39.0	0.0	0.0	0.0	0.0
225.0	13.739	35.811	26.886	39.2	0.0	0.0	0.0	0.0
226.0	13.737	35.811	26.886	41.2	0.0	0.0	0.0	0.0

Station: 22
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 47.29 N
 Longitude 93 37.57 W
 Time: Year Day Hour Minute
 1981 197 12 31

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	29.473	36.189	22.818	57.3	0.0	0.0	0.0	0.0
1.0	29.477	36.190	22.818	57.3	0.0	0.0	0.0	0.0
2.0	29.475	36.190	22.818	57.3	0.0	0.0	0.0	0.0
3.0	29.465	36.189	22.821	56.6	0.0	0.0	0.0	0.0
4.0	29.488	36.170	22.799	56.4	0.0	0.0	0.0	0.0
5.0	29.521	36.145	22.768	56.5	0.0	0.0	0.0	0.0
6.0	29.455	36.189	22.824	56.6	0.0	0.0	0.0	0.0
7.0	29.437	36.186	22.828	56.6	0.0	0.0	0.0	0.0
8.0	29.417	36.181	22.831	56.6	0.0	0.0	0.0	0.0
9.0	29.370	36.185	22.850	56.6	0.0	0.0	0.0	0.0
10.0	29.330	36.186	22.864	57.1	0.0	0.0	0.0	0.0
11.0	29.303	36.184	22.872	57.6	0.0	0.0	0.0	0.0
12.0	29.284	36.186	22.880	57.3	0.0	0.0	0.0	0.0
13.0	29.262	36.185	22.887	56.6	0.0	0.0	0.0	0.0
14.0	29.233	36.181	22.894	56.1	0.0	0.0	0.0	0.0
15.0	29.201	36.179	22.902	56.2	0.0	0.0	0.0	0.0
16.0	29.174	36.180	22.912	56.2	0.0	0.0	0.0	0.0
17.0	29.156	36.182	22.920	56.5	0.0	0.0	0.0	0.0
18.0	29.138	36.186	22.929	56.6	0.0	0.0	0.0	0.0
19.0	29.080	36.188	22.950	56.4	0.0	0.0	0.0	0.0
20.0	28.961	36.190	22.991	56.2	0.0	0.0	0.0	0.0
21.0	28.875	36.193	23.026	56.2	0.0	0.0	0.0	0.0
22.0	28.751	36.218	23.083	56.7	0.0	0.0	0.0	0.0
23.0	28.635	36.235	23.134	56.3	0.0	0.0	0.0	0.0
24.0	28.621	36.242	23.144	56.2	0.0	0.0	0.0	0.0
25.0	28.582	36.239	23.155	55.6	0.0	0.0	0.0	0.0
26.0	28.478	36.254	23.200	55.6	0.0	0.0	0.0	0.0
27.0	28.404	36.255	23.226	55.6	0.0	0.0	0.0	0.0
28.0	28.342	36.265	23.254	55.9	0.0	0.0	0.0	0.0
29.0	28.286	36.288	23.290	55.4	0.0	0.0	0.0	0.0
30.0	28.251	36.303	23.312	55.1	0.0	0.0	0.0	0.0
31.0	28.229	36.308	23.323	55.1	0.0	0.0	0.0	0.0
32.0	28.199	36.315	23.339	55.0	0.0	0.0	0.0	0.0
33.0	28.173	36.319	23.351	54.8	0.0	0.0	0.0	0.0
34.0	28.169	36.322	23.354	54.1	0.0	0.0	0.0	0.0
35.0	28.165	36.324	23.357	53.5	0.0	0.0	0.0	0.0
36.0	28.160	36.326	23.360	52.8	0.0	0.0	0.0	0.0
37.0	28.156	36.328	23.363	52.2	0.0	0.0	0.0	0.0
38.0	28.152	36.331	23.366	51.5	0.0	0.0	0.0	0.0
39.0	28.140	36.330	23.379	51.4	0.0	0.0	0.0	0.0
40.0	28.785	36.331	24.125	52.1	0.0	0.0	0.0	0.0
41.0	28.727	36.333	24.144	53.3	0.0	0.0	0.0	0.0
42.0	28.150	36.339	24.327	53.4	0.0	0.0	0.0	0.0
43.0	24.783	36.340	24.440	53.7	0.0	0.0	0.0	0.0
44.0	24.603	36.342	24.496	54.0	0.0	0.0	0.0	0.0
45.0	24.479	36.344	24.535	53.7	0.0	0.0	0.0	0.0
46.0	24.339	36.345	24.578	53.5	0.0	0.0	0.0	0.0
47.0	24.138	36.365	24.653	53.4	0.0	0.0	0.0	0.0
48.0	23.983	36.359	24.695	53.3	0.0	0.0	0.0	0.0
49.0	23.885	36.355	24.721	53.1	0.0	0.0	0.0	0.0
50.0	23.797	36.359	24.750	52.7	0.0	0.0	0.0	0.0
51.0	23.758	36.353	24.761	52.5	0.0	0.0	0.0	0.0
52.0	23.720	36.358	24.772	52.2	0.0	0.0	0.0	0.0
53.0	23.430	36.355	24.796	52.0	0.0	0.0	0.0	0.0
54.0	23.530	36.355	24.826	51.7	0.0	0.0	0.0	0.0
55.0	23.440	36.353	24.850	51.5	0.0	0.0	0.0	0.0
56.0	23.350	36.350	24.875	51.3	0.0	0.0	0.0	0.0
57.0	23.250	36.352	24.905	50.8	0.0	0.0	0.0	0.0
58.0	23.160	36.348	24.928	50.7	0.0	0.0	0.0	0.0
59.0	23.070	36.349	24.956	50.2	0.0	0.0	0.0	0.0

Station: 22
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 47.39 N
 Longitude 93 37.57 W
 Time: Year Day Hour Minute
 1981 197 12 31

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	22.970	36.351	24.986	49.8	0.0	0.0	0.0	0.0
61.0	22.880	36.338	25.002	49.6	0.0	0.0	0.0	0.0
62.0	22.790	36.344	25.032	49.1	0.0	0.0	0.0	0.0
63.0	22.690	36.334	25.053	48.8	0.0	0.0	0.0	0.0
64.0	22.600	36.323	25.071	48.6	0.0	0.0	0.0	0.0
65.0	22.500	36.326	25.102	48.5	0.0	0.0	0.0	0.0
66.0	22.410	36.312	25.117	48.1	0.0	0.0	0.0	0.0
67.0	22.320	36.312	25.143	48.0	0.0	0.0	0.0	0.0
68.0	22.220	36.312	25.171	47.9	0.0	0.0	0.0	0.0
69.0	22.130	36.312	25.196	47.6	0.0	0.0	0.0	0.0
70.0	22.040	36.312	25.222	47.5	0.0	0.0	0.0	0.0
71.0	21.940	36.312	25.250	47.2	0.0	0.0	0.0	0.0
72.0	21.850	36.311	25.275	47.0	0.0	0.0	0.0	0.0
73.0	21.760	36.311	25.299	46.9	0.0	0.0	0.0	0.0
74.0	21.660	36.310	25.327	46.6	0.0	0.0	0.0	0.0
75.0	21.570	36.310	25.352	46.4	0.0	0.0	0.0	0.0
76.0	21.480	36.308	25.375	46.0	0.0	0.0	0.0	0.0
77.0	21.380	36.312	25.406	45.1	0.0	0.0	0.0	0.0
78.0	21.290	36.321	25.438	44.9	0.0	0.0	0.0	0.0
79.0	21.200	36.318	25.460	44.7	0.0	0.0	0.0	0.0
80.0	21.105	36.315	25.484	44.4	0.0	0.0	0.0	0.0
81.0	21.029	36.314	25.504	44.3	0.0	0.0	0.0	0.0
82.0	20.960	36.312	25.521	44.3	0.0	0.0	0.0	0.0
83.0	20.909	36.314	25.537	44.3	0.0	0.0	0.0	0.0
84.0	20.876	36.315	25.547	44.2	0.0	0.0	0.0	0.0
85.0	20.856	36.316	25.553	43.9	0.0	0.0	0.0	0.0
86.0	20.823	36.318	25.563	43.9	0.0	0.0	0.0	0.0
87.0	20.762	36.320	25.581	44.0	0.0	0.0	0.0	0.0
88.0	20.710	36.321	25.597	43.9	0.0	0.0	0.0	0.0
89.0	20.664	36.323	25.611	44.0	0.0	0.0	0.0	0.0
90.0	20.559	36.331	25.645	44.1	0.0	0.0	0.0	0.0
91.0	20.414	36.338	25.689	44.3	0.0	0.0	0.0	0.0
92.0	20.283	36.348	25.732	44.7	0.0	0.0	0.0	0.0
93.0	20.218	36.349	25.750	44.8	0.0	0.0	0.0	0.0
94.0	20.144	36.353	25.773	45.2	0.0	0.0	0.0	0.0
95.0	20.050	36.363	25.805	45.0	0.0	0.0	0.0	0.0
96.0	19.957	36.374	25.838	44.8	0.0	0.0	0.0	0.0
97.0	19.887	36.383	25.864	45.0	0.0	0.0	0.0	0.0
98.0	19.854	36.385	25.874	45.1	0.0	0.0	0.0	0.0
99.0	19.833	36.386	25.880	44.6	0.0	0.0	0.0	0.0
100.0	19.802	36.388	25.891	44.7	0.0	0.0	0.0	0.0
101.0	19.757	36.390	25.904	44.8	0.0	0.0	0.0	0.0
102.0	19.681	36.391	25.925	44.9	0.0	0.0	0.0	0.0
103.0	19.635	36.392	25.938	44.7	0.0	0.0	0.0	0.0
104.0	19.586	36.395	25.952	44.3	0.0	0.0	0.0	0.0
105.0	19.473	36.400	25.986	44.1	0.0	0.0	0.0	0.0
106.0	19.391	36.399	26.006	43.8	0.0	0.0	0.0	0.0
107.0	19.325	36.394	26.020	43.5	0.0	0.0	0.0	0.0
108.0	19.275	36.396	26.035	43.5	0.0	0.0	0.0	0.0
109.0	19.216	36.402	26.054	43.6	0.0	0.0	0.0	0.0
110.0	19.137	36.400	26.073	43.8	0.0	0.0	0.0	0.0
111.0	19.109	36.395	26.076	43.7	0.0	0.0	0.0	0.0
112.0	19.081	36.396	26.084	43.5	0.0	0.0	0.0	0.0
113.0	19.058	36.392	26.087	42.9	0.0	0.0	0.0	0.0
114.0	19.042	36.390	26.090	42.7	0.0	0.0	0.0	0.0
115.0	18.999	36.394	26.104	42.7	0.0	0.0	0.0	0.0
116.0	18.962	36.402	26.119	43.0	0.0	0.0	0.0	0.0
117.0	18.931	36.399	26.126	43.5	0.0	0.0	0.0	0.0
118.0	18.903	36.400	26.133	43.7	0.0	0.0	0.0	0.0
119.0	18.860	36.404	26.147	43.8	0.0	0.0	0.0	0.0

Station: 22
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 47.29 N
 Longitude 98 37.57 W
 Time: Year Day Hour Minute
 1981 197 12 31

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
120.0	18.799	36.408	26.166	43.6	0.0	0.0	0.0	0.0
121.0	18.732	36.413	26.187	43.2	0.0	0.0	0.0	0.0
122.0	18.667	36.418	26.207	43.0	0.0	0.0	0.0	0.0
123.0	18.553	36.414	26.233	42.3	0.0	0.0	0.0	0.0
124.0	18.390	36.408	26.270	41.7	0.0	0.0	0.0	0.0
125.0	18.287	36.402	26.291	41.0	0.0	0.0	0.0	0.0
126.0	18.181	36.396	26.313	40.5	0.0	0.0	0.0	0.0
127.0	18.076	36.389	26.334	40.3	0.0	0.0	0.0	0.0
128.0	17.971	36.381	26.353	40.3	0.0	0.0	0.0	0.0
129.0	17.781	36.364	26.388	40.1	0.0	0.0	0.0	0.0
130.0	17.576	36.350	26.427	39.9	0.0	0.0	0.0	0.0
131.0	17.443	36.341	26.453	39.8	0.0	0.0	0.0	0.0
132.0	17.223	36.321	26.491	39.5	0.0	0.0	0.0	0.0
133.0	17.033	36.303	26.523	39.6	0.0	0.0	0.0	0.0
134.0	16.943	36.293	26.537	40.2	0.0	0.0	0.0	0.0
135.0	16.911	36.284	26.537	40.6	0.0	0.0	0.0	0.0
136.0	16.861	36.273	26.541	41.0	0.0	0.0	0.0	0.0
137.0	16.735	36.259	26.560	41.4	0.0	0.0	0.0	0.0
138.0	16.607	36.240	26.576	42.0	0.0	0.0	0.0	0.0
139.0	16.536	36.236	26.590	42.4	0.0	0.0	0.0	0.0
140.0	16.503	36.231	26.594	42.5	0.0	0.0	0.0	0.0
141.0	16.459	36.226	26.601	42.6	0.0	0.0	0.0	0.0
142.0	16.411	36.221	26.607	42.7	0.0	0.0	0.0	0.0
143.0	16.376	36.216	26.613	42.8	0.0	0.0	0.0	0.0
144.0	16.343	36.212	26.612	42.9	0.0	0.0	0.0	0.0
145.0	16.338	36.207	26.614	43.6	0.0	0.0	0.0	0.0
146.0	16.303	36.203	26.620	44.2	0.0	0.0	0.0	0.0
147.0	16.269	36.200	26.625	44.5	0.0	0.0	0.0	0.0
148.0	16.224	36.192	26.629	44.3	0.0	0.0	0.0	0.0
149.0	16.180	36.185	26.634	43.6	0.0	0.0	0.0	0.0
150.0	16.147	36.180	26.638	42.9	0.0	0.0	0.0	0.0
151.0	16.125	36.176	26.640	42.5	0.0	0.0	0.0	0.0
152.0	16.109	36.171	26.640	42.1	0.0	0.0	0.0	0.0
153.0	16.080	36.168	26.644	41.7	0.0	0.0	0.0	0.0
154.0	16.051	36.161	26.646	41.1	0.0	0.0	0.0	0.0
155.0	16.032	36.158	26.648	40.6	0.0	0.0	0.0	0.0
156.0	16.024	36.158	26.649	40.3	0.0	0.0	0.0	0.0
157.0	16.023	36.157	26.649	40.4	0.0	0.0	0.0	0.0
158.0	16.023	36.157	26.649	40.7	0.0	0.0	0.0	0.0
159.0	16.022	36.156	26.649	40.7	0.0	0.0	0.0	0.0
160.0	15.991	36.152	26.652	41.0	0.0	0.0	0.0	0.0
161.0	15.938	36.144	26.659	40.9	0.0	0.0	0.0	0.0
162.0	15.889	36.139	26.666	40.8	0.0	0.0	0.0	0.0
163.0	15.854	36.135	26.671	41.0	0.0	0.0	0.0	0.0
164.0	15.843	36.133	26.672	41.1	0.0	0.0	0.0	0.0
165.0	15.828	36.130	26.673	41.3	0.0	0.0	0.0	0.0
166.0	15.803	36.126	26.676	41.4	0.0	0.0	0.0	0.0
167.0	15.777	36.122	26.679	41.1	0.0	0.0	0.0	0.0
168.0	15.759	36.120	26.681	40.8	0.0	0.0	0.0	0.0
169.0	15.723	36.115	26.686	40.5	0.0	0.0	0.0	0.0
170.0	15.663	36.108	26.694	40.3	0.0	0.0	0.0	0.0
171.0	15.607	36.101	26.701	40.3	0.0	0.0	0.0	0.0
172.0	15.569	36.094	26.705	40.1	0.0	0.0	0.0	0.0
173.0	15.546	36.091	26.707	39.9	0.0	0.0	0.0	0.0
174.0	15.515	36.087	26.711	39.6	0.0	0.0	0.0	0.0
175.0	15.472	36.080	26.716	39.7	0.0	0.0	0.0	0.0
176.0	15.450	36.076	26.718	39.5	0.0	0.0	0.0	0.0
177.0	15.449	36.076	26.718	39.0	0.0	0.0	0.0	0.0
178.0	15.455	36.082	26.721	41.7	0.0	0.0	0.0	0.0

Station: 28
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.51 N
 Longitude 93 39.06 W
 Time: Year Day Hour Minute
 1981 197 13 27

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direc des
0.0	29.432	36.193	22.835	57.8	0.0	0.0	0.0	0.0
1.0	29.432	36.193	22.835	57.1	0.0	0.0	0.0	0.0
2.0	29.429	36.196	22.838	56.0	0.0	0.0	0.0	0.0
3.0	29.426	36.196	22.841	54.3	0.0	0.0	0.0	0.0
4.0	29.425	36.201	22.843	54.4	0.0	0.0	0.0	0.0
5.0	29.424	36.204	22.846	54.5	0.0	0.0	0.0	0.0
6.0	29.417	36.208	22.851	54.5	0.0	0.0	0.0	0.0
7.0	29.413	36.191	22.840	54.8	0.0	0.0	0.0	0.0
8.0	29.407	36.190	22.841	55.2	0.0	0.0	0.0	0.0
9.0	29.407	36.189	22.841	55.7	0.0	0.0	0.0	0.0
10.0	29.404	36.189	22.841	56.0	0.0	0.0	0.0	0.0
11.0	29.393	36.188	22.845	56.4	0.0	0.0	0.0	0.0
12.0	29.373	36.186	22.849	56.4	0.0	0.0	0.0	0.0
13.0	29.351	36.183	22.855	55.9	0.0	0.0	0.0	0.0
14.0	29.309	36.180	22.867	55.5	0.0	0.0	0.0	0.0
15.0	29.248	36.179	22.887	55.9	0.0	0.0	0.0	0.0
16.0	29.209	36.182	22.902	55.8	0.0	0.0	0.0	0.0
17.0	29.182	36.185	22.914	55.6	0.0	0.0	0.0	0.0
18.0	29.136	36.190	22.933	55.4	0.0	0.0	0.0	0.0
19.0	29.071	36.191	22.954	55.8	0.0	0.0	0.0	0.0
20.0	28.985	36.195	22.987	56.1	0.0	0.0	0.0	0.0
21.0	28.872	36.202	23.030	56.2	0.0	0.0	0.0	0.0
22.0	28.749	36.211	23.078	55.4	0.0	0.0	0.0	0.0
23.0	28.673	36.214	23.108	54.6	0.0	0.0	0.0	0.0
24.0	28.658	36.215	23.112	55.0	0.0	0.0	0.0	0.0
25.0	28.638	36.219	23.121	55.3	0.0	0.0	0.0	0.0
26.0	28.551	36.242	23.167	55.3	0.0	0.0	0.0	0.0
27.0	28.432	36.243	23.223	54.9	0.0	0.0	0.0	0.0
28.0	28.379	36.281	23.254	54.5	0.0	0.0	0.0	0.0
29.0	28.344	36.312	23.289	54.6	0.0	0.0	0.0	0.0
30.0	28.312	36.324	23.308	54.8	0.0	0.0	0.0	0.0
31.0	28.293	36.323	23.314	54.9	0.0	0.0	0.0	0.0
32.0	28.081	36.281	23.352	55.0	0.0	0.0	0.0	0.0
33.0	27.813	36.253	23.419	54.7	0.0	0.0	0.0	0.0
34.0	27.545	36.232	23.491	54.0	0.0	0.0	0.0	0.0
35.0	27.277	36.230	23.574	53.8	0.0	0.0	0.0	0.0
36.0	27.010	36.228	23.660	53.5	0.0	0.0	0.0	0.0
37.0	26.741	36.225	23.744	53.3	0.0	0.0	0.0	0.0
38.0	26.474	36.223	23.827	53.0	0.0	0.0	0.0	0.0
39.0	26.206	36.221	23.910	52.8	0.0	0.0	0.0	0.0
40.0	25.938	36.219	23.992	52.6	0.0	0.0	0.0	0.0
41.0	25.670	36.214	24.074	52.3	0.0	0.0	0.0	0.0
42.0	25.402	36.214	24.155	52.1	0.0	0.0	0.0	0.0
43.0	25.135	36.248	24.278	52.5	0.0	0.0	0.0	0.0
44.0	24.867	36.230	24.331	51.8	0.0	0.0	0.0	0.0
45.0	24.599	36.266	24.440	52.0	0.0	0.0	0.0	0.0
46.0	24.331	36.303	24.548	52.2	0.0	0.0	0.0	0.0
47.0	24.064	36.308	24.632	51.9	0.0	0.0	0.0	0.0
48.0	23.797	36.343	24.737	52.0	0.0	0.0	0.0	0.0
49.0	23.739	36.352	24.761	51.8	0.0	0.0	0.0	0.0
50.0	23.641	36.347	24.787	51.8	0.0	0.0	0.0	0.0
51.0	23.532	36.356	24.811	51.5	0.0	0.0	0.0	0.0
52.0	23.491	36.354	24.836	51.5	0.0	0.0	0.0	0.0
53.0	23.398	36.349	24.860	51.3	0.0	0.0	0.0	0.0
54.0	23.335	36.345	24.875	51.1	0.0	0.0	0.0	0.0
55.0	23.309	36.342	24.881	50.9	0.0	0.0	0.0	0.0
56.0	23.276	36.342	24.890	50.7	0.0	0.0	0.0	0.0
57.0	23.224	36.342	24.905	50.4	0.0	0.0	0.0	0.0
58.0	23.165	36.340	24.921	50.5	0.0	0.0	0.0	0.0
59.0	22.908	36.316	24.977	50.5	0.0	0.0	0.0	0.0

Station: 23
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.51 N
 Longitude 93 39.06 W
 Time: Year Day Hour Minute
 1981 197 13 27

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
60.0	22.732	36.303	25.018	50.5	0.0	0.0	0.0	0.0
61.0	22.534	36.288	25.064	50.4	0.0	0.0	0.0	0.0
62.0	22.486	36.300	25.087	49.7	0.0	0.0	0.0	0.0
63.0	22.420	36.308	25.111	49.3	0.0	0.0	0.0	0.0
64.0	22.304	36.314	25.149	49.1	0.0	0.0	0.0	0.0
65.0	22.169	36.314	25.187	49.0	0.0	0.0	0.0	0.0
66.0	22.112	36.313	25.202	49.0	0.0	0.0	0.0	0.0
67.0	22.041	36.314	25.223	48.9	0.0	0.0	0.0	0.0
68.0	22.006	36.316	25.235	48.5	0.0	0.0	0.0	0.0
69.0	21.997	36.318	25.238	48.0	0.0	0.0	0.0	0.0
70.0	21.934	36.329	25.265	47.4	0.0	0.0	0.0	0.0
71.0	21.788	36.322	25.300	46.8	0.0	0.0	0.0	0.0
72.0	21.689	36.320	25.326	46.7	0.0	0.0	0.0	0.0
73.0	21.594	36.324	25.356	46.5	0.0	0.0	0.0	0.0
74.0	21.513	36.333	25.387	46.2	0.0	0.0	0.0	0.0
75.0	21.461	36.348	25.411	45.9	0.0	0.0	0.0	0.0
76.0	21.420	36.347	25.422	45.7	0.0	0.0	0.0	0.0
77.0	21.344	36.343	25.439	45.4	0.0	0.0	0.0	0.0
78.0	21.233	36.331	25.461	45.2	0.0	0.0	0.0	0.0
79.0	21.096	36.327	25.496	45.5	0.0	0.0	0.0	0.0
80.0	20.954	36.325	25.533	45.8	0.0	0.0	0.0	0.0
81.0	20.890	36.328	25.552	45.5	0.0	0.0	0.0	0.0
82.0	20.857	36.327	25.561	45.0	0.0	0.0	0.0	0.0
83.0	20.792	36.332	25.582	44.5	0.0	0.0	0.0	0.0
84.0	20.695	36.332	25.609	44.9	0.0	0.0	0.0	0.0
85.0	20.634	36.322	25.618	45.9	0.0	0.0	0.0	0.0
86.0	20.566	36.323	25.637	46.7	0.0	0.0	0.0	0.0
87.0	20.492	36.338	25.668	46.5	0.0	0.0	0.0	0.0
88.0	20.426	36.342	25.689	45.0	0.0	0.0	0.0	0.0
89.0	20.343	36.348	25.716	43.8	0.0	0.0	0.0	0.0
90.0	20.283	36.355	25.737	44.0	0.0	0.0	0.0	0.0
91.0	20.246	36.349	25.743	44.7	0.0	0.0	0.0	0.0
92.0	20.198	36.347	25.754	44.7	0.0	0.0	0.0	0.0
93.0	20.140	36.358	25.777	44.5	0.0	0.0	0.0	0.0
94.0	20.115	36.357	25.784	44.5	0.0	0.0	0.0	0.0
95.0	20.101	36.356	25.786	44.5	0.0	0.0	0.0	0.0
96.0	20.068	36.363	25.801	44.3	0.0	0.0	0.0	0.0
97.0	20.032	36.364	25.811	44.0	0.0	0.0	0.0	0.0
98.0	20.005	36.364	25.818	44.2	0.0	0.0	0.0	0.0
99.0	19.994	36.364	25.821	44.2	0.0	0.0	0.0	0.0
100.0	19.983	36.363	25.823	44.2	0.0	0.0	0.0	0.0
101.0	19.949	36.366	25.834	44.5	0.0	0.0	0.0	0.0
102.0	19.916	36.367	25.844	45.0	0.0	0.0	0.0	0.0
103.0	19.886	36.366	25.851	44.7	0.0	0.0	0.0	0.0
104.0	19.855	36.372	25.864	44.0	0.0	0.0	0.0	0.0
105.0	19.770	36.379	25.892	43.2	0.0	0.0	0.0	0.0
106.0	19.690	36.381	25.914	42.8	0.0	0.0	0.0	0.0
107.0	19.640	36.396	25.939	42.4	0.0	0.0	0.0	0.0
108.0	19.625	36.395	25.942	42.1	0.0	0.0	0.0	0.0
109.0	19.464	36.399	25.987	42.0	0.0	0.0	0.0	0.0
110.0	19.368	36.389	26.005	42.0	0.0	0.0	0.0	0.0
111.0	19.357	36.389	26.008	41.9	0.0	0.0	0.0	0.0
112.0	19.335	36.386	26.011	41.6	0.0	0.0	0.0	0.0
113.0	19.299	36.383	26.018	41.5	0.0	0.0	0.0	0.0
114.0	19.247	36.383	26.032	41.8	0.0	0.0	0.0	0.0
115.0	19.178	36.383	26.049	42.1	0.0	0.0	0.0	0.0
116.0	19.129	36.383	26.062	42.2	0.0	0.0	0.0	0.0
117.0	19.100	36.384	26.070	42.2	0.0	0.0	0.0	0.0
118.0	19.012	36.393	26.099	41.5	0.0	0.0	0.0	0.0
119.0	18.698	36.389	26.177	41.0	0.0	0.0	0.0	0.0

Station: 23
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.51 N
 Longitude 93 39.06 W
 Time: Year Day Hour Minute
 1981 197 13 27

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
120.0	18.415	36.383	26.244	40.2	0.0	0.0	0.0	0.0
121.0	18.127	36.371	26.307	39.9	0.0	0.0	0.0	0.0
122.0	17.690	36.353	26.402	40.1	0.0	0.0	0.0	0.0
123.0	17.332	36.332	26.473	40.3	0.0	0.0	0.0	0.0
124.0	17.209	36.318	26.493	40.7	0.0	0.0	0.0	0.0
125.0	17.137	36.311	26.492	40.2	0.0	0.0	0.0	0.0
126.0	17.106	36.303	26.506	39.7	0.0	0.0	0.0	0.0
127.0	17.000	36.291	26.522	39.4	0.0	0.0	0.0	0.0
128.0	16.978	36.286	26.524	39.3	0.0	0.0	0.0	0.0
129.0	16.964	36.285	26.526	39.6	0.0	0.0	0.0	0.0
130.0	16.951	36.280	26.525	39.6	0.0	0.0	0.0	0.0
131.0	16.946	36.278	26.525	39.2	0.0	0.0	0.0	0.0
132.0	16.936	36.276	26.526	38.8	0.0	0.0	0.0	0.0
133.0	16.927	36.274	26.527	38.4	0.0	0.0	0.0	0.0
134.0	16.919	36.273	26.528	38.1	0.0	0.0	0.0	0.0
135.0	16.899	36.271	26.531	37.4	0.0	0.0	0.0	0.0
136.0	16.841	36.263	26.538	36.4	0.0	0.0	0.0	0.0
137.0	16.743	36.254	26.550	35.5	0.0	0.0	0.0	0.0
138.0	16.689	36.259	26.571	35.0	0.0	0.0	0.0	0.0
139.0	16.630	36.258	26.585	34.7	0.0	0.0	0.0	0.0
140.0	16.610	36.257	26.589	34.1	0.0	0.0	0.0	0.0
141.0	16.598	36.234	26.574	33.7	0.0	0.0	0.0	0.0
142.0	16.592	36.233	26.575	34.7	0.0	0.0	0.0	0.0

Station: 24
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 51.41 N
 Longitude 93 41.91 W
 Time: Year Day Hour Minute
 1981 197 14 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.525	36.085	22.722	55.9	0.0	0.0	0.0	0.0
2.0	29.546	36.086	22.716	56.8	0.0	0.0	0.0	0.0
3.0	29.558	36.086	22.712	57.1	0.0	0.0	0.0	0.0
4.0	29.553	36.087	22.715	57.0	0.0	0.0	0.0	0.0
5.0	29.546	36.088	22.717	56.9	0.0	0.0	0.0	0.0
6.0	29.538	36.089	22.721	56.9	0.0	0.0	0.0	0.0
7.0	29.535	36.108	22.737	57.1	0.0	0.0	0.0	0.0
8.0	29.535	36.133	22.755	57.2	0.0	0.0	0.0	0.0
9.0	29.535	36.106	22.735	57.6	0.0	0.0	0.0	0.0
10.0	29.494	36.087	22.734	57.3	0.0	0.0	0.0	0.0
11.0	29.457	36.077	22.739	56.9	0.0	0.0	0.0	0.0
12.0	29.430	36.087	22.756	56.4	0.0	0.0	0.0	0.0
13.0	29.424	36.109	22.774	56.1	0.0	0.0	0.0	0.0
14.0	29.434	36.131	22.788	55.7	0.0	0.0	0.0	0.0
15.0	29.438	36.137	22.790	55.9	0.0	0.0	0.0	0.0
16.0	29.434	36.139	22.793	55.6	0.0	0.0	0.0	0.0
17.0	29.442	36.154	22.802	55.5	0.0	0.0	0.0	0.0
18.0	29.454	36.176	22.815	55.9	0.0	0.0	0.0	0.0
19.0	29.443	36.185	22.825	56.2	0.0	0.0	0.0	0.0
20.0	29.421	36.192	22.838	56.2	0.0	0.0	0.0	0.0
21.0	29.406	36.196	22.846	55.8	0.0	0.0	0.0	0.0
22.0	29.392	36.192	22.848	55.3	0.0	0.0	0.0	0.0
23.0	29.377	36.188	22.850	54.8	0.0	0.0	0.0	0.0
24.0	29.373	36.187	22.851	55.2	0.0	0.0	0.0	0.0
25.0	29.367	36.192	22.856	55.4	0.0	0.0	0.0	0.0
26.0	29.338	36.203	22.908	55.3	0.0	0.0	0.0	0.0
27.0	29.097	36.215	22.965	54.8	0.0	0.0	0.0	0.0
28.0	29.001	36.241	23.017	54.3	0.0	0.0	0.0	0.0
29.0	28.830	36.276	23.100	54.1	0.0	0.0	0.0	0.0
30.0	28.576	36.319	23.217	53.8	0.0	0.0	0.0	0.0
31.0	28.469	36.364	23.286	53.6	0.0	0.0	0.0	0.0
32.0	28.437	36.395	23.320	53.7	0.0	0.0	0.0	0.0
33.0	28.396	36.413	23.347	53.8	0.0	0.0	0.0	0.0
34.0	28.334	36.420	23.374	54.2	0.0	0.0	0.0	0.0
35.0	28.276	36.423	23.395	54.3	0.0	0.0	0.0	0.0
36.0	28.255	36.397	23.382	54.6	0.0	0.0	0.0	0.0
37.0	28.249	36.355	23.352	54.5	0.0	0.0	0.0	0.0
38.0	28.170	36.379	23.397	54.9	0.0	0.0	0.0	0.0
39.0	27.466	36.349	23.605	54.5	0.0	0.0	0.0	0.0
40.0	26.723	36.327	23.827	54.2	0.0	0.0	0.0	0.0
41.0	26.103	36.303	24.004	53.8	0.0	0.0	0.0	0.0
42.0	25.743	36.280	24.099	53.0	0.0	0.0	0.0	0.0
43.0	25.353	36.282	24.222	52.5	0.0	0.0	0.0	0.0
44.0	24.788	36.294	24.404	52.1	0.0	0.0	0.0	0.0
45.0	24.324	36.315	24.560	51.6	0.0	0.0	0.0	0.0
46.0	24.046	36.282	24.617	51.7	0.0	0.0	0.0	0.0
47.0	23.620	36.267	24.733	52.4	0.0	0.0	0.0	0.0
48.0	23.405	36.301	24.821	52.7	0.0	0.0	0.0	0.0
49.0	23.363	36.300	24.833	52.3	0.0	0.0	0.0	0.0
50.0	23.342	36.296	24.834	51.7	0.0	0.0	0.0	0.0
51.0	23.297	36.301	24.853	52.0	0.0	0.0	0.0	0.0
52.0	23.249	36.300	24.866	52.1	0.0	0.0	0.0	0.0
53.0	23.220	36.302	24.876	51.8	0.0	0.0	0.0	0.0
54.0	23.130	36.293	24.895	51.6	0.0	0.0	0.0	0.0
55.0	22.902	36.277	24.950	51.7	0.0	0.0	0.0	0.0
56.0	22.790	36.309	25.006	51.2	0.0	0.0	0.0	0.0
57.0	22.751	36.347	25.046	50.6	0.0	0.0	0.0	0.0
58.0	22.621	36.354	25.089	50.2	0.0	0.0	0.0	0.0
59.0	22.407	36.344	25.142	50.0	0.0	0.0	0.0	0.0
60.0	22.305	36.337	25.166	49.6	0.0	0.0	0.0	0.0

Station: 24
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 51.41 N
 Longitude 93 41.91 W
 Time: Year Day Hour Minute
 1981 197 14 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.273	36.332	25.171	49.0	0.0	0.0	0.0	0.0
62.0	22.203	36.327	25.187	49.5	0.0	0.0	0.0	0.0
63.0	22.122	36.324	25.208	50.0	0.0	0.0	0.0	0.0
64.0	22.075	36.319	25.218	50.4	0.0	0.0	0.0	0.0
65.0	22.045	36.322	25.228	50.4	0.0	0.0	0.0	0.0
66.0	21.983	36.321	25.244	49.6	0.0	0.0	0.0	0.0
67.0	21.877	36.317	25.271	48.7	0.0	0.0	0.0	0.0
68.0	21.711	36.323	25.322	48.0	0.0	0.0	0.0	0.0
69.0	21.634	36.321	25.342	47.3	0.0	0.0	0.0	0.0
70.0	21.622	36.315	25.341	46.6	0.0	0.0	0.0	0.0
71.0	21.618	36.316	25.343	46.2	0.0	0.0	0.0	0.0
72.0	21.620	36.322	25.347	45.6	0.0	0.0	0.0	0.0
73.0	21.532	36.333	25.380	45.2	0.0	0.0	0.0	0.0
74.0	21.326	36.328	25.433	44.8	0.0	0.0	0.0	0.0
75.0	21.194	36.314	25.459	44.7	0.0	0.0	0.0	0.0
76.0	21.140	36.314	25.474	45.0	0.0	0.0	0.0	0.0
77.0	21.129	36.316	25.478	45.2	0.0	0.0	0.0	0.0
78.0	20.944	36.334	25.543	45.3	0.0	0.0	0.0	0.0
79.0	20.752	36.350	25.607	45.2	0.0	0.0	0.0	0.0
80.0	20.637	36.340	25.631	44.9	0.0	0.0	0.0	0.0
81.0	20.578	36.327	25.637	44.4	0.0	0.0	0.0	0.0
82.0	20.489	36.326	25.660	44.3	0.0	0.0	0.0	0.0
83.0	20.363	36.329	25.696	45.2	0.0	0.0	0.0	0.0
84.0	20.252	36.337	25.732	46.2	0.0	0.0	0.0	0.0
85.0	20.210	36.341	25.746	46.5	0.0	0.0	0.0	0.0
86.0	20.176	36.341	25.755	46.1	0.0	0.0	0.0	0.0
87.0	20.158	36.343	25.762	45.5	0.0	0.0	0.0	0.0
88.0	20.135	36.347	25.770	45.1	0.0	0.0	0.0	0.0
89.0	20.099	36.356	25.787	44.9	0.0	0.0	0.0	0.0
90.0	20.078	36.357	25.794	44.8	0.0	0.0	0.0	0.0
91.0	20.076	36.361	25.797	45.0	0.0	0.0	0.0	0.0
92.0	20.074	36.359	25.796	44.8	0.0	0.0	0.0	0.0
93.0	20.072	36.357	25.795	44.6	0.0	0.0	0.0	0.0
94.0	20.071	36.353	25.796	44.7	0.0	0.0	0.0	0.0
95.0	20.060	36.357	25.798	44.5	0.0	0.0	0.0	0.0
96.0	20.029	36.358	25.808	44.3	0.0	0.0	0.0	0.0
97.0	19.909	36.366	25.845	44.4	0.0	0.0	0.0	0.0
98.0	19.734	36.371	25.882	43.8	0.0	0.0	0.0	0.0
99.0	19.724	36.373	25.900	43.2	0.0	0.0	0.0	0.0
100.0	19.698	36.377	25.909	42.3	0.0	0.0	0.0	0.0
101.0	19.602	36.374	25.932	41.8	0.0	0.0	0.0	0.0
102.0	19.526	36.373	25.951	41.5	0.0	0.0	0.0	0.0
103.0	19.497	36.374	25.960	41.4	0.0	0.0	0.0	0.0
104.0	19.486	36.374	25.963	41.6	0.0	0.0	0.0	0.0
105.0	19.479	36.375	25.965	41.6	0.0	0.0	0.0	0.0
106.0	19.470	36.374	25.967	41.6	0.0	0.0	0.0	0.0
107.0	19.459	36.374	25.970	41.4	0.0	0.0	0.0	0.0
108.0	19.452	36.375	25.972	41.5	0.0	0.0	0.0	0.0
109.0	19.446	36.376	25.974	41.6	0.0	0.0	0.0	0.0
110.0	19.440	36.376	25.976	41.5	0.0	0.0	0.0	0.0
111.0	19.420	36.376	25.981	41.1	0.0	0.0	0.0	0.0
112.0	19.401	36.376	25.986	40.8	0.0	0.0	0.0	0.0
113.0	19.385	36.375	25.989	40.8	0.0	0.0	0.0	0.0
114.0	19.372	36.374	25.992	40.6	0.0	0.0	0.0	0.0
115.0	19.361	36.377	25.998	39.9	0.0	0.0	0.0	0.0
116.0	19.293	36.377	26.015	39.2	0.0	0.0	0.0	0.0
117.0	19.175	36.377	26.046	38.8	0.0	0.0	0.0	0.0
118.0	19.098	36.378	26.066	39.3	0.0	0.0	0.0	0.0
119.0	19.022	36.376	26.084	40.1	0.0	0.0	0.0	0.0
120.0	18.955	36.380	26.105	39.9	0.0	0.0	0.0	0.0

Station: 24
Cruise : S1-NS-1
Ship : NORTH SEAL
Position: Latitude 27 51.41 N
Longitude 93 41.91 W
Time: Year Day Hour Minute
1981 197 14 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.914	36.387	26.120	37.9	0.0	0.0	0.0	0.0

Station: 25
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.70 N
 Longitude 93 47.02 W
 Time: Year Day Hour Minute
 1981 197 15 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.594	35.881	22.546	58.8	0.0	0.0	0.0	0.0
2.0	29.588	35.794	22.483	60.3	0.0	0.0	0.0	0.0
3.0	29.583	35.729	22.485	59.7	0.0	0.0	0.0	0.0
4.0	29.543	35.731	22.450	59.9	0.0	0.0	0.0	0.0
5.0	29.485	35.783	22.509	58.3	0.0	0.0	0.0	0.0
6.0	29.507	35.791	22.508	57.4	0.0	0.0	0.0	0.0
7.0	29.544	35.770	22.480	56.7	0.0	0.0	0.0	0.0
8.0	29.557	35.742	22.454	56.7	0.0	0.0	0.0	0.0
9.0	29.542	35.731	22.451	56.8	0.0	0.0	0.0	0.0
10.0	29.544	35.711	22.435	56.5	0.0	0.0	0.0	0.0
11.0	29.561	35.673	22.401	56.0	0.0	0.0	0.0	0.0
12.0	29.577	35.645	22.374	55.5	0.0	0.0	0.0	0.0
13.0	29.573	35.653	22.382	55.2	0.0	0.0	0.0	0.0
14.0	29.550	35.669	22.402	55.1	0.0	0.0	0.0	0.0
15.0	29.561	35.662	22.393	55.0	0.0	0.0	0.0	0.0
16.0	29.560	35.669	22.398	54.9	0.0	0.0	0.0	0.0
17.0	29.568	35.677	22.401	54.7	0.0	0.0	0.0	0.0
18.0	29.575	35.665	22.390	54.8	0.0	0.0	0.0	0.0
19.0	29.504	35.793	22.510	55.0	0.0	0.0	0.0	0.0
20.0	29.496	35.797	22.516	55.0	0.0	0.0	0.0	0.0
21.0	29.356	35.995	22.712	55.3	0.0	0.0	0.0	0.0
22.0	29.317	36.002	22.730	55.2	0.0	0.0	0.0	0.0
23.0	29.262	36.015	22.759	55.1	0.0	0.0	0.0	0.0
24.0	29.227	36.038	22.788	55.4	0.0	0.0	0.0	0.0
25.0	29.189	36.065	22.821	56.4	0.0	0.0	0.0	0.0
26.0	29.146	36.093	22.856	57.0	0.0	0.0	0.0	0.0
27.0	29.065	36.139	22.918	56.7	0.0	0.0	0.0	0.0
28.0	28.987	36.225	23.009	55.7	0.0	0.0	0.0	0.0
29.0	28.893	36.354	23.138	55.3	0.0	0.0	0.0	0.0
30.0	28.798	36.405	23.207	56.1	0.0	0.0	0.0	0.0
31.0	28.738	36.413	23.233	56.3	0.0	0.0	0.0	0.0
32.0	28.650	36.409	23.260	55.9	0.0	0.0	0.0	0.0
33.0	28.565	36.403	23.284	55.4	0.0	0.0	0.0	0.0
34.0	28.507	36.402	23.302	55.5	0.0	0.0	0.0	0.0
35.0	28.459	36.403	23.323	56.0	0.0	0.0	0.0	0.0
36.0	28.416	36.403	23.333	55.6	0.0	0.0	0.0	0.0
37.0	28.356	36.397	23.349	55.2	0.0	0.0	0.0	0.0
38.0	28.305	36.395	23.364	54.9	0.0	0.0	0.0	0.0
39.0	28.273	36.393	23.373	55.2	0.0	0.0	0.0	0.0
40.0	28.200	36.391	23.396	55.8	0.0	0.0	0.0	0.0
41.0	28.098	36.396	23.433	55.2	0.0	0.0	0.0	0.0
42.0	27.594	36.376	23.583	54.1	0.0	0.0	0.0	0.0
43.0	27.008	36.390	23.783	53.2	0.0	0.0	0.0	0.0
44.0	26.442	36.419	23.922	53.1	0.0	0.0	0.0	0.0
45.0	26.353	36.427	24.019	52.9	0.0	0.0	0.0	0.0
46.0	25.995	36.430	24.134	52.8	0.0	0.0	0.0	0.0
47.0	25.089	36.410	24.399	52.6	0.0	0.0	0.0	0.0
48.0	24.248	36.392	24.641	52.2	0.0	0.0	0.0	0.0
49.0	23.784	36.403	24.791	51.9	0.0	0.0	0.0	0.0
50.0	23.563	36.402	24.851	51.4	0.0	0.0	0.0	0.0
51.0	23.249	36.402	24.943	50.7	0.0	0.0	0.0	0.0
52.0	22.938	36.418	25.046	50.3	0.0	0.0	0.0	0.0
53.0	22.787	36.424	25.094	50.3	0.0	0.0	0.0	0.0
54.0	22.621	36.422	25.140	50.8	0.0	0.0	0.0	0.0
55.0	22.487	36.378	25.160	51.3	0.0	0.0	0.0	0.0
56.0	22.252	36.340	25.198	52.1	0.0	0.0	0.0	0.0
57.0	22.149	36.353	25.222	51.9	0.0	0.0	0.0	0.0
58.0	22.049	36.343	25.246	51.3	0.0	0.0	0.0	0.0
59.0	21.920	36.351	25.285	50.6	0.0	0.0	0.0	0.0
60.0	21.811	36.354	25.318	50.1	0.0	0.0	0.0	0.0

Station: 26
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 56.70 N
 Longitude 93 47.02 W
 Time: Year Day Hour Minute
 1981 197 15 14

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	21.738	36.354	25.339	49.9	0.0	0.0	0.0	0.0
62.0	21.670	36.358	25.360	49.9	0.0	0.0	0.0	0.0
63.0	21.628	36.360	25.374	49.2	0.0	0.0	0.0	0.0
64.0	21.598	36.360	25.382	49.1	0.0	0.0	0.0	0.0
65.0	21.529	36.351	25.394	49.6	0.0	0.0	0.0	0.0
66.0	21.407	36.334	25.415	49.9	0.0	0.0	0.0	0.0
67.0	21.308	36.324	25.435	49.7	0.0	0.0	0.0	0.0
68.0	21.302	36.323	25.434	49.6	0.0	0.0	0.0	0.0
69.0	21.234	36.327	25.458	49.3	0.0	0.0	0.0	0.0
70.0	21.132	36.326	25.485	48.8	0.0	0.0	0.0	0.0
71.0	21.019	36.320	25.512	48.0	0.0	0.0	0.0	0.0
72.0	20.908	36.325	25.544	47.2	0.0	0.0	0.0	0.0
73.0	20.793	36.327	25.578	46.9	0.0	0.0	0.0	0.0
74.0	20.617	36.343	25.638	46.8	0.0	0.0	0.0	0.0
75.0	20.459	36.350	25.686	46.9	0.0	0.0	0.0	0.0
76.0	20.306	36.368	25.741	47.8	0.0	0.0	0.0	0.0
77.0	20.133	36.395	25.808	48.4	0.0	0.0	0.0	0.0
78.0	20.049	36.381	25.820	48.3	0.0	0.0	0.0	0.0
79.0	19.966	36.381	25.841	47.3	0.0	0.0	0.0	0.0
80.0	19.854	36.391	25.879	45.5	0.0	0.0	0.0	0.0
81.0	19.789	36.392	25.897	44.5	0.0	0.0	0.0	0.0
82.0	19.734	36.392	25.911	43.8	0.0	0.0	0.0	0.0
83.0	19.677	36.396	25.929	43.8	0.0	0.0	0.0	0.0
84.0	19.642	36.402	25.943	44.3	0.0	0.0	0.0	0.0
85.0	19.611	36.406	25.954	44.8	0.0	0.0	0.0	0.0
86.0	19.583	36.405	25.960	45.6	0.0	0.0	0.0	0.0
87.0	19.554	36.403	25.967	45.3	0.0	0.0	0.0	0.0
88.0	19.529	36.403	25.973	44.4	0.0	0.0	0.0	0.0
89.0	19.506	36.399	25.977	43.0	0.0	0.0	0.0	0.0
90.0	19.475	36.396	25.982	41.7	0.0	0.0	0.0	0.0
91.0	19.440	36.405	25.998	41.1	0.0	0.0	0.0	0.0
92.0	19.360	36.404	26.018	41.1	0.0	0.0	0.0	0.0
93.0	19.245	36.393	26.040	40.9	0.0	0.0	0.0	0.0
94.0	19.189	36.394	26.055	41.1	0.0	0.0	0.0	0.0
95.0	19.090	36.398	26.084	40.9	0.0	0.0	0.0	0.0
96.0	19.000	36.409	26.115	41.2	0.0	0.0	0.0	0.0
97.0	18.948	36.415	26.133	41.9	0.0	0.0	0.0	0.0
98.0	18.912	36.416	26.143	42.4	0.0	0.0	0.0	0.0
99.0	18.893	36.417	26.149	42.8	0.0	0.0	0.0	0.0
100.0	18.892	36.418	26.149	43.2	0.0	0.0	0.0	0.0
101.0	18.892	36.417	26.149	42.6	0.0	0.0	0.0	0.0
102.0	18.893	36.416	26.148	42.8	0.0	0.0	0.0	0.0
103.0	18.892	36.417	26.149	39.7	0.0	0.0	0.0	0.0

Station: 26
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.41 N
 Longitude 93 46.98 W
 Time: Year Day Hour Minute
 1981 197 15 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	29.583	36.149	22.751	53.6	0.0	0.0	0.0	0.0
1.0	29.574	36.150	22.755	54.3	0.0	0.0	0.0	0.0
2.0	29.569	36.142	22.750	56.0	0.0	0.0	0.0	0.0
3.0	29.526	36.146	22.768	55.7	0.0	0.0	0.0	0.0
4.0	29.468	36.149	22.790	55.1	0.0	0.0	0.0	0.0
5.0	29.411	36.145	22.806	54.8	0.0	0.0	0.0	0.0
6.0	29.403	36.146	22.809	54.8	0.0	0.0	0.0	0.0
7.0	29.397	36.147	22.812	54.9	0.0	0.0	0.0	0.0
8.0	29.394	36.146	22.813	55.0	0.0	0.0	0.0	0.0
9.0	29.392	36.146	22.814	55.4	0.0	0.0	0.0	0.0
10.0	29.391	36.146	22.813	55.6	0.0	0.0	0.0	0.0
11.0	29.390	36.146	22.814	55.6	0.0	0.0	0.0	0.0
12.0	29.389	36.146	22.815	55.5	0.0	0.0	0.0	0.0
13.0	29.421	36.118	22.782	55.3	0.0	0.0	0.0	0.0
14.0	29.435	36.067	22.722	55.3	0.0	0.0	0.0	0.0
15.0	29.434	36.105	22.768	55.4	0.0	0.0	0.0	0.0
16.0	29.398	36.132	22.801	55.0	0.0	0.0	0.0	0.0
17.0	29.379	36.144	22.816	54.4	0.0	0.0	0.0	0.0
18.0	29.376	36.143	22.816	54.1	0.0	0.0	0.0	0.0
19.0	29.373	36.143	22.817	53.6	0.0	0.0	0.0	0.0
20.0	29.370	36.141	22.817	53.1	0.0	0.0	0.0	0.0
21.0	29.365	36.141	22.818	53.2	0.0	0.0	0.0	0.0
22.0	29.359	36.144	22.823	53.6	0.0	0.0	0.0	0.0
23.0	29.352	36.150	22.830	54.3	0.0	0.0	0.0	0.0
24.0	29.341	36.156	22.838	54.2	0.0	0.0	0.0	0.0
25.0	29.328	36.163	22.848	53.5	0.0	0.0	0.0	0.0
26.0	29.314	36.166	22.854	53.2	0.0	0.0	0.0	0.0
27.0	29.276	36.180	22.878	53.5	0.0	0.0	0.0	0.0
28.0	29.227	36.198	22.908	53.6	0.0	0.0	0.0	0.0
29.0	29.116	36.221	22.963	53.8	0.0	0.0	0.0	0.0
30.0	28.987	36.251	23.023	54.1	0.0	0.0	0.0	0.0
31.0	28.957	36.269	23.052	54.0	0.0	0.0	0.0	0.0
32.0	28.853	36.341	23.141	53.4	0.0	0.0	0.0	0.0
33.0	28.743	36.399	23.222	52.8	0.0	0.0	0.0	0.0
34.0	28.617	36.438	23.293	52.9	0.0	0.0	0.0	0.0
35.0	28.442	36.455	23.364	52.4	0.0	0.0	0.0	0.0
36.0	28.310	36.447	23.401	53.5	0.0	0.0	0.0	0.0
37.0	28.146	36.440	23.451	54.7	0.0	0.0	0.0	0.0
38.0	27.902	36.443	23.533	54.4	0.0	0.0	0.0	0.0
39.0	27.584	36.434	23.630	53.5	0.0	0.0	0.0	0.0
40.0	27.129	36.407	23.757	52.3	0.0	0.0	0.0	0.0
41.0	26.768	36.380	23.852	51.9	0.0	0.0	0.0	0.0
42.0	26.427	36.366	23.950	51.7	0.0	0.0	0.0	0.0
43.0	25.882	36.364	24.120	51.8	0.0	0.0	0.0	0.0
44.0	25.537	36.287	24.169	51.9	0.0	0.0	0.0	0.0
45.0	25.510	36.278	24.170	51.6	0.0	0.0	0.0	0.0
46.0	25.160	36.274	24.275	51.3	0.0	0.0	0.0	0.0
47.0	24.810	36.274	24.382	50.9	0.0	0.0	0.0	0.0
48.0	24.460	36.282	24.494	50.5	0.0	0.0	0.0	0.0
49.0	24.119	36.286	24.599	49.9	0.0	0.0	0.0	0.0
50.0	23.158	36.295	24.881	50.2	0.0	0.0	0.0	0.0
51.0	22.984	36.247	24.918	50.5	0.0	0.0	0.0	0.0
52.0	22.898	36.250	24.930	50.7	0.0	0.0	0.0	0.0
53.0	22.841	36.242	24.940	50.9	0.0	0.0	0.0	0.0
54.0	22.750	36.251	24.973	50.4	0.0	0.0	0.0	0.0
55.0	22.665	36.279	25.019	49.9	0.0	0.0	0.0	0.0
56.0	22.607	36.362	25.099	49.5	0.0	0.0	0.0	0.0
57.0	22.488	36.396	25.159	49.4	0.0	0.0	0.0	0.0
58.0	22.347	36.392	25.196	49.5	0.0	0.0	0.0	0.0
59.0	22.137	36.386	25.250	49.5	0.0	0.0	0.0	0.0

Station: 26
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 54.41 N
 Longitude 93 46.98 W
 Time: Year Day Hour Minute
 1981 197 15 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direc deg
60.0	21.2997	36.381	25.286	49.6	0.0	0.0	0.0	0.0
61.0	21.868	36.379	25.321	49.7	0.0	0.0	0.0	0.0
62.0	21.764	36.373	25.345	50.0	0.0	0.0	0.0	0.0
63.0	21.605	36.359	25.380	50.3	0.0	0.0	0.0	0.0
64.0	21.442	36.347	25.416	50.0	0.0	0.0	0.0	0.0
65.0	21.374	36.357	25.442	49.1	0.0	0.0	0.0	0.0
66.0	21.292	36.384	25.485	48.0	0.0	0.0	0.0	0.0
67.0	21.170	36.392	25.525	47.5	0.0	0.0	0.0	0.0
68.0	21.085	36.390	25.547	47.6	0.0	0.0	0.0	0.0
69.0	21.042	36.390	25.558	48.4	0.0	0.0	0.0	0.0
70.0	21.020	36.389	25.564	48.8	0.0	0.0	0.0	0.0
71.0	21.010	36.389	25.566	48.2	0.0	0.0	0.0	0.0
72.0	20.999	36.388	25.568	47.9	0.0	0.0	0.0	0.0
73.0	20.977	36.388	25.574	48.0	0.0	0.0	0.0	0.0
74.0	20.920	36.386	25.589	48.2	0.0	0.0	0.0	0.0
75.0	20.842	36.374	25.601	48.0	0.0	0.0	0.0	0.0
76.0	20.680	36.362	25.636	47.3	0.0	0.0	0.0	0.0
77.0	20.554	36.350	25.660	46.3	0.0	0.0	0.0	0.0
78.0	20.571	36.319	25.633	45.8	0.0	0.0	0.0	0.0
79.0	20.593	36.293	25.606	45.5	0.0	0.0	0.0	0.0
80.0	20.643	36.247	25.558	45.0	0.0	0.0	0.0	0.0
81.0	20.636	36.252	25.564	44.7	0.0	0.0	0.0	0.0
82.0	20.629	36.257	25.570	44.5	0.0	0.0	0.0	0.0
83.0	20.622	36.263	25.576	44.3	0.0	0.0	0.0	0.0
84.0	20.616	36.268	25.582	44.1	0.0	0.0	0.0	0.0
85.0	20.609	36.273	25.588	43.8	0.0	0.0	0.0	0.0
86.0	20.602	36.279	25.594	43.6	0.0	0.0	0.0	0.0
87.0	20.595	36.284	25.600	43.4	0.0	0.0	0.0	0.0
88.0	20.588	36.290	25.606	43.1	0.0	0.0	0.0	0.0
89.0	20.581	36.295	25.612	42.9	0.0	0.0	0.0	0.0
90.0	20.574	36.300	25.618	42.7	0.0	0.0	0.0	0.0
91.0	20.567	36.306	25.624	42.5	0.0	0.0	0.0	0.0
92.0	20.560	36.311	25.629	42.2	0.0	0.0	0.0	0.0
93.0	20.553	36.317	25.635	42.0	0.0	0.0	0.0	0.0
94.0	20.546	36.322	25.641	41.8	0.0	0.0	0.0	0.0
95.0	20.539	36.327	25.647	41.6	0.0	0.0	0.0	0.0
96.0	20.532	36.333	25.653	41.3	0.0	0.0	0.0	0.0
97.0	19.851	36.379	25.871	40.9	0.0	0.0	0.0	0.0
98.0	19.654	36.396	25.935	40.6	0.0	0.0	0.0	0.0
99.0	19.328	36.414	26.034	40.1	0.0	0.0	0.0	0.0
100.0	19.151	36.425	26.088	39.8	0.0	0.0	0.0	0.0
101.0	19.138	36.424	26.091	39.6	0.0	0.0	0.0	0.0
102.0	19.134	36.422	26.090	39.3	0.0	0.0	0.0	0.0
103.0	19.129	36.419	26.090	39.1	0.0	0.0	0.0	0.0
104.0	19.124	36.417	26.089	38.8	0.0	0.0	0.0	0.0
105.0	19.119	36.416	26.090	38.6	0.0	0.0	0.0	0.0
106.0	19.118	36.415	26.089	38.6	0.0	0.0	0.0	0.0
107.0	19.119	36.415	26.089	38.0	0.0	0.0	0.0	0.0
108.0	19.120	36.416	26.089	39.2	0.0	0.0	0.0	0.0

Station: 27
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 50.68 N
 Longitude 93 46.93 W
 Time: Year Day Hour Minute
 1981 197 16 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.685	36.153	22.718	54.0	0.0	0.0	0.0	0.0
2.0	29.682	36.153	22.720	53.9	0.0	0.0	0.0	0.0
3.0	29.678	36.150	22.719	54.5	0.0	0.0	0.0	0.0
4.0	29.674	36.150	22.720	54.6	0.0	0.0	0.0	0.0
5.0	29.672	36.150	22.719	54.9	0.0	0.0	0.0	0.0
6.0	29.669	36.150	22.724	55.5	0.0	0.0	0.0	0.0
7.0	29.640	36.151	22.732	56.1	0.0	0.0	0.0	0.0
8.0	29.615	36.152	22.742	56.3	0.0	0.0	0.0	0.0
9.0	29.593	36.151	22.749	56.2	0.0	0.0	0.0	0.0
10.0	29.580	36.151	22.753	56.0	0.0	0.0	0.0	0.0
11.0	29.564	36.150	22.758	56.2	0.0	0.0	0.0	0.0
12.0	29.524	36.148	22.770	56.2	0.0	0.0	0.0	0.0
13.0	29.487	36.146	22.781	56.8	0.0	0.0	0.0	0.0
14.0	29.435	36.148	22.800	57.5	0.0	0.0	0.0	0.0
15.0	29.316	36.144	22.838	57.5	0.0	0.0	0.0	0.0
16.0	29.225	36.150	22.873	57.2	0.0	0.0	0.0	0.0
17.0	29.213	36.149	22.876	57.4	0.0	0.0	0.0	0.0
18.0	29.209	36.149	22.878	57.4	0.0	0.0	0.0	0.0
19.0	29.216	36.158	22.882	57.2	0.0	0.0	0.0	0.0
20.0	29.225	36.173	22.889	55.6	0.0	0.0	0.0	0.0
21.0	29.201	36.177	22.901	54.5	0.0	0.0	0.0	0.0
22.0	29.159	36.179	22.917	54.4	0.0	0.0	0.0	0.0
23.0	29.083	36.180	22.943	55.3	0.0	0.0	0.0	0.0
24.0	28.934	36.182	22.994	54.8	0.0	0.0	0.0	0.0
25.0	28.809	36.188	23.041	54.3	0.0	0.0	0.0	0.0
26.0	28.705	36.194	23.080	54.3	0.0	0.0	0.0	0.0
27.0	28.695	36.206	23.092	54.5	0.0	0.0	0.0	0.0
28.0	28.595	36.208	23.127	54.6	0.0	0.0	0.0	0.0
29.0	28.495	36.204	23.158	54.8	0.0	0.0	0.0	0.0
30.0	28.395	36.206	23.192	54.5	0.0	0.0	0.0	0.0
31.0	28.295	36.207	23.226	54.3	0.0	0.0	0.0	0.0
32.0	28.195	36.208	23.260	54.0	0.0	0.0	0.0	0.0
33.0	28.000	36.209	23.325	53.7	0.0	0.0	0.0	0.0
34.0	27.900	36.210	23.358	53.5	0.0	0.0	0.0	0.0
35.0	27.800	36.212	23.392	53.2	0.0	0.0	0.0	0.0
36.0	27.726	36.224	23.427	53.0	0.0	0.0	0.0	0.0
37.0	27.220	36.209	23.578	52.7	0.0	0.0	0.0	0.0
38.0	26.680	36.194	23.740	52.5	0.0	0.0	0.0	0.0
39.0	26.578	36.193	23.772	52.3	0.0	0.0	0.0	0.0
40.0	26.322	36.214	23.868	52.1	0.0	0.0	0.0	0.0
41.0	25.861	36.187	23.993	51.6	0.0	0.0	0.0	0.0
42.0	25.406	36.197	24.141	51.5	0.0	0.0	0.0	0.0
43.0	25.103	36.213	24.247	51.7	0.0	0.0	0.0	0.0
44.0	24.890	36.226	24.321	51.8	0.0	0.0	0.0	0.0
45.0	24.619	36.275	24.440	51.9	0.0	0.0	0.0	0.0
46.0	24.364	36.338	24.565	51.8	0.0	0.0	0.0	0.0
47.0	24.181	36.398	24.665	51.8	0.0	0.0	0.0	0.0
48.0	23.939	36.404	24.742	52.3	0.0	0.0	0.0	0.0
49.0	23.755	36.398	24.784	52.8	0.0	0.0	0.0	0.0
50.0	23.651	36.383	24.811	52.7	0.0	0.0	0.0	0.0
51.0	23.581	36.383	24.832	52.7	0.0	0.0	0.0	0.0
52.0	23.513	36.381	24.850	52.6	0.0	0.0	0.0	0.0
53.0	23.429	36.373	24.869	52.5	0.0	0.0	0.0	0.0
54.0	23.379	36.363	24.876	52.6	0.0	0.0	0.0	0.0
55.0	23.346	36.356	24.880	53.1	0.0	0.0	0.0	0.0
56.0	23.309	36.348	24.885	53.0	0.0	0.0	0.0	0.0
57.0	23.212	36.339	24.906	53.2	0.0	0.0	0.0	0.0
58.0	23.023	36.313	24.941	52.9	0.0	0.0	0.0	0.0
59.0	22.840	36.299	24.984	52.7	0.0	0.0	0.0	0.0
60.0	22.736	36.304	25.018	52.4	0.0	0.0	0.0	0.0

Station: 27
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 50.68 N
 Longitude 93 46.93 W
 Time: Year Day Hour Minute
 1981 197 16 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.694	36.305	25.030	51.2	0.0	0.0	0.0	0.0
62.0	22.650	36.314	25.050	50.8	0.0	0.0	0.0	0.0
63.0	22.544	36.326	25.089	50.6	0.0	0.0	0.0	0.0
64.0	22.388	36.325	25.133	50.6	0.0	0.0	0.0	0.0
65.0	22.311	36.328	25.157	50.0	0.0	0.0	0.0	0.0
66.0	22.201	36.332	25.192	49.1	0.0	0.0	0.0	0.0
67.0	22.011	36.321	25.237	48.5	0.0	0.0	0.0	0.0
68.0	21.871	36.311	25.269	48.2	0.0	0.0	0.0	0.0
69.0	21.816	36.314	25.286	48.1	0.0	0.0	0.0	0.0
70.0	21.801	36.309	25.287	47.8	0.0	0.0	0.0	0.0
71.0	21.800	36.308	25.286	47.1	0.0	0.0	0.0	0.0
72.0	21.799	36.307	25.286	46.4	0.0	0.0	0.0	0.0
73.0	21.556	36.316	25.360	46.0	0.0	0.0	0.0	0.0
74.0	21.427	36.319	25.398	45.9	0.0	0.0	0.0	0.0
75.0	21.418	36.316	25.398	46.2	0.0	0.0	0.0	0.0
76.0	21.314	36.303	25.422	46.1	0.0	0.0	0.0	0.0
77.0	21.127	36.309	25.473	46.0	0.0	0.0	0.0	0.0
78.0	20.937	36.324	25.537	45.7	0.0	0.0	0.0	0.0
79.0	20.880	36.322	25.551	45.1	0.0	0.0	0.0	0.0
80.0	20.834	36.327	25.567	45.0	0.0	0.0	0.0	0.0
81.0	20.794	36.333	25.583	44.9	0.0	0.0	0.0	0.0
82.0	20.774	36.339	25.593	44.7	0.0	0.0	0.0	0.0
83.0	20.789	36.346	25.594	44.3	0.0	0.0	0.0	0.0
84.0	20.802	36.357	25.598	44.4	0.0	0.0	0.0	0.0
85.0	20.785	36.353	25.604	44.6	0.0	0.0	0.0	0.0
86.0	20.752	36.358	25.613	44.8	0.0	0.0	0.0	0.0
87.0	20.712	36.358	25.624	44.8	0.0	0.0	0.0	0.0
88.0	20.628	36.352	25.642	44.8	0.0	0.0	0.0	0.0
89.0	20.551	36.341	25.654	44.8	0.0	0.0	0.0	0.0
90.0	20.497	36.346	25.673	44.8	0.0	0.0	0.0	0.0
91.0	20.381	36.348	25.706	44.4	0.0	0.0	0.0	0.0
92.0	20.262	36.351	25.740	43.7	0.0	0.0	0.0	0.0
93.0	20.179	36.350	25.761	43.1	0.0	0.0	0.0	0.0
94.0	20.088	36.359	25.792	43.0	0.0	0.0	0.0	0.0
95.0	20.013	36.365	25.817	42.8	0.0	0.0	0.0	0.0
96.0	19.930	36.375	25.847	42.7	0.0	0.0	0.0	0.0
97.0	19.829	36.379	25.877	43.0	0.0	0.0	0.0	0.0
98.0	19.762	36.378	25.893	43.4	0.0	0.0	0.0	0.0
99.0	19.708	36.375	25.905	44.0	0.0	0.0	0.0	0.0
100.0	19.609	36.374	25.931	44.7	0.0	0.0	0.0	0.0
101.0	19.510	36.375	25.957	44.4	0.0	0.0	0.0	0.0
102.0	19.465	36.373	25.967	43.6	0.0	0.0	0.0	0.0
103.0	19.410	36.364	25.990	42.3	0.0	0.0	0.0	0.0
104.0	19.372	36.383	25.999	41.0	0.0	0.0	0.0	0.0
105.0	19.343	36.378	26.003	39.9	0.0	0.0	0.0	0.0
106.0	19.329	36.382	26.009	38.7	0.0	0.0	0.0	0.0
107.0	19.235	36.382	26.034	37.9	0.0	0.0	0.0	0.0
108.0	19.167	36.380	26.050	37.0	0.0	0.0	0.0	0.0
109.0	19.117	36.376	26.060	36.6	0.0	0.0	0.0	0.0
110.0	19.077	36.376	26.070	36.2	0.0	0.0	0.0	0.0
111.0	19.023	36.377	26.085	36.2	0.0	0.0	0.0	0.0
112.0	18.999	36.377	26.091	37.0	0.0	0.0	0.0	0.0
113.0	18.963	36.377	26.100	37.9	0.0	0.0	0.0	0.0
114.0	18.928	36.377	26.110	39.0	0.0	0.0	0.0	0.0
115.0	18.928	36.376	26.108	39.2	0.0	0.0	0.0	0.0
116.0	18.917	36.376	26.112	39.6	0.0	0.0	0.0	0.0
117.0	18.902	36.374	26.114	40.4	0.0	0.0	0.0	0.0
118.0	18.849	36.374	26.127	40.1	0.0	0.0	0.0	0.0
119.0	18.731	36.372	26.155	39.5	0.0	0.0	0.0	0.0
120.0	18.612	36.370	26.185	38.8	0.0	0.0	0.0	0.0

Station: 27
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 50.48 N
 Longitude 93 46.93 W
 Time: Year Day Hour Minute
 1981 197 16 52

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.535	36.373	26.206	37.8	0.0	0.0	0.0	0.0
122.0	18.514	36.373	26.212	37.5	0.0	0.0	0.0	0.0
123.0	18.505	36.378	26.217	37.3	0.0	0.0	0.0	0.0
124.0	18.478	36.378	26.224	37.4	0.0	0.0	0.0	0.0
125.0	18.393	36.383	26.250	37.8	0.0	0.0	0.0	0.0
126.0	18.207	36.388	26.300	38.4	0.0	0.0	0.0	0.0
127.0	18.023	36.381	26.341	38.6	0.0	0.0	0.0	0.0
128.0	17.900	36.374	26.346	37.6	0.0	0.0	0.0	0.0
129.0	17.740	36.375	26.406	35.2	0.0	0.0	0.0	0.0
130.0	17.578	36.357	26.432	34.7	0.0	0.0	0.0	0.0
131.0	17.426	36.336	26.454	34.2	0.0	0.0	0.0	0.0
132.0	17.336	36.334	26.474	35.1	0.0	0.0	0.0	0.0
133.0	17.376	36.362	26.486	36.6	0.0	0.0	0.0	0.0

Station: 28
 Cruise : 81-NB-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.89 N
 Longitude 93 47.21 W
 Time: Year Day Hour Minute
 1981 197 17 29

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	29.957	36.146	22.620	55.8	0.0	0.0	0.0	0.0
2.0	29.899	36.149	22.642	54.4	0.0	0.0	0.0	0.0
3.0	29.817	36.144	22.667	55.6	0.0	0.0	0.0	0.0
4.0	29.699	36.143	22.706	56.0	0.0	0.0	0.0	0.0
5.0	29.634	36.142	22.728	56.4	0.0	0.0	0.0	0.0
6.0	29.604	36.142	22.738	56.3	0.0	0.0	0.0	0.0
7.0	29.584	36.140	22.743	56.2	0.0	0.0	0.0	0.0
8.0	29.561	36.137	22.749	56.4	0.0	0.0	0.0	0.0
9.0	29.532	36.134	22.757	56.1	0.0	0.0	0.0	0.0
10.0	29.500	36.130	22.765	56.4	0.0	0.0	0.0	0.0
11.0	29.453	36.130	22.781	56.8	0.0	0.0	0.0	0.0
12.0	29.396	36.131	22.801	57.0	0.0	0.0	0.0	0.0
13.0	29.336	36.128	22.813	56.9	0.0	0.0	0.0	0.0
14.0	29.281	36.125	22.835	56.0	0.0	0.0	0.0	0.0
15.0	29.262	36.128	22.844	56.2	0.0	0.0	0.0	0.0
16.0	29.257	36.133	22.849	54.6	0.0	0.0	0.0	0.0
17.0	29.254	36.137	22.853	54.4	0.0	0.0	0.0	0.0
18.0	29.250	36.141	22.858	54.1	0.0	0.0	0.0	0.0
19.0	29.243	36.144	22.862	54.4	0.0	0.0	0.0	0.0
20.0	29.233	36.145	22.866	54.6	0.0	0.0	0.0	0.0
21.0	29.223	36.149	22.873	54.5	0.0	0.0	0.0	0.0
22.0	29.221	36.152	22.875	54.6	0.0	0.0	0.0	0.0
23.0	29.171	36.155	22.895	54.0	0.0	0.0	0.0	0.0
24.0	29.093	36.160	22.924	53.5	0.0	0.0	0.0	0.0
25.0	28.941	36.173	22.986	53.6	0.0	0.0	0.0	0.0
26.0	28.787	36.195	23.053	53.8	0.0	0.0	0.0	0.0
27.0	28.708	36.202	23.085	53.7	0.0	0.0	0.0	0.0
28.0	28.648	36.205	23.103	54.0	0.0	0.0	0.0	0.0
29.0	28.561	36.208	23.139	54.3	0.0	0.0	0.0	0.0
30.0	28.435	36.211	23.183	54.5	0.0	0.0	0.0	0.0
31.0	28.276	36.217	23.239	54.9	0.0	0.0	0.0	0.0
32.0	28.196	36.220	23.268	54.9	0.0	0.0	0.0	0.0
33.0	28.133	36.219	23.289	54.2	0.0	0.0	0.0	0.0
34.0	28.062	36.220	23.313	53.6	0.0	0.0	0.0	0.0
35.0	27.935	36.219	23.354	52.9	0.0	0.0	0.0	0.0
36.0	27.734	36.216	23.417	52.1	0.0	0.0	0.0	0.0
37.0	27.488	36.223	23.502	51.9	0.0	0.0	0.0	0.0
38.0	27.213	36.231	23.596	52.0	0.0	0.0	0.0	0.0
39.0	26.792	36.241	23.740	52.1	0.0	0.0	0.0	0.0
40.0	26.434	36.253	23.866	52.3	0.0	0.0	0.0	0.0
41.0	25.695	36.329	24.151	52.2	0.0	0.0	0.0	0.0
42.0	25.272	36.392	24.330	52.4	0.0	0.0	0.0	0.0
43.0	24.822	36.371	24.451	52.0	0.0	0.0	0.0	0.0
44.0	24.517	36.383	24.553	51.9	0.0	0.0	0.0	0.0
45.0	24.305	36.395	24.626	52.2	0.0	0.0	0.0	0.0
46.0	24.098	36.393	24.686	52.5	0.0	0.0	0.0	0.0
47.0	23.959	36.398	24.731	52.7	0.0	0.0	0.0	0.0
48.0	23.814	36.395	24.772	53.0	0.0	0.0	0.0	0.0
49.0	23.695	36.389	24.803	52.7	0.0	0.0	0.0	0.0
50.0	23.619	36.382	24.820	51.7	0.0	0.0	0.0	0.0
51.0	23.586	36.384	24.831	51.4	0.0	0.0	0.0	0.0
52.0	23.533	36.382	24.845	51.2	0.0	0.0	0.0	0.0
53.0	23.477	36.381	24.861	50.8	0.0	0.0	0.0	0.0
54.0	23.352	36.384	24.900	50.5	0.0	0.0	0.0	0.0
55.0	23.246	36.381	24.928	50.5	0.0	0.0	0.0	0.0
56.0	23.172	36.375	24.945	50.5	0.0	0.0	0.0	0.0
57.0	23.115	36.372	24.960	50.5	0.0	0.0	0.0	0.0
58.0	23.043	36.371	24.980	50.5	0.0	0.0	0.0	0.0
59.0	22.967	36.369	24.995	50.5	0.0	0.0	0.0	0.0
60.0	22.948	36.364	25.002	50.0	0.0	0.0	0.0	0.0

Station: 28
 Cruise : S1-N5-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.89 N
 Longitude 98 47.21 W
 Time: Year Day Hour Minute
 1981 197 17 29

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.938	36.364	25.004	49.7	0.0	0.0	0.0	0.0
62.0	22.926	36.364	25.008	49.5	0.0	0.0	0.0	0.0
63.0	22.909	36.365	25.014	49.2	0.0	0.0	0.0	0.0
64.0	22.879	36.365	25.022	49.0	0.0	0.0	0.0	0.0
65.0	22.794	36.365	25.047	49.0	0.0	0.0	0.0	0.0
66.0	22.660	36.367	25.087	48.6	0.0	0.0	0.0	0.0
67.0	22.554	36.368	25.114	48.5	0.0	0.0	0.0	0.0
68.0	22.517	36.342	25.109	48.2	0.0	0.0	0.0	0.0
69.0	22.464	36.335	25.119	47.9	0.0	0.0	0.0	0.0
70.0	22.408	36.329	25.130	47.3	0.0	0.0	0.0	0.0
71.0	22.344	36.327	25.147	47.1	0.0	0.0	0.0	0.0
72.0	22.280	36.325	25.164	47.0	0.0	0.0	0.0	0.0
73.0	22.215	36.322	25.180	46.8	0.0	0.0	0.0	0.0
74.0	21.890	36.318	25.269	46.4	0.0	0.0	0.0	0.0
75.0	21.670	36.318	25.326	46.2	0.0	0.0	0.0	0.0
76.0	21.619	36.310	25.338	46.2	0.0	0.0	0.0	0.0
77.0	21.578	36.306	25.346	46.0	0.0	0.0	0.0	0.0
78.0	21.493	36.307	25.371	45.9	0.0	0.0	0.0	0.0
79.0	21.365	36.323	25.419	45.6	0.0	0.0	0.0	0.0
80.0	21.345	36.309	25.413	45.5	0.0	0.0	0.0	0.0
81.0	21.350	36.292	25.392	45.5	0.0	0.0	0.0	0.0
82.0	21.290	36.325	25.441	45.4	0.0	0.0	0.0	0.0
83.0	21.233	36.361	25.484	45.7	0.0	0.0	0.0	0.0
84.0	21.196	36.374	25.504	46.3	0.0	0.0	0.0	0.0
85.0	21.184	36.383	25.514	46.9	0.0	0.0	0.0	0.0
86.0	21.142	36.367	25.528	45.8	0.0	0.0	0.0	0.0
87.0	21.038	36.368	25.558	45.6	0.0	0.0	0.0	0.0
88.0	20.950	36.383	25.578	45.3	0.0	0.0	0.0	0.0
89.0	20.854	36.378	25.601	44.5	0.0	0.0	0.0	0.0
90.0	20.737	36.378	25.632	43.9	0.0	0.0	0.0	0.0
91.0	20.632	36.364	25.665	43.4	0.0	0.0	0.0	0.0
92.0	20.471	36.378	25.704	43.7	0.0	0.0	0.0	0.0
93.0	20.398	36.373	25.720	43.8	0.0	0.0	0.0	0.0
94.0	20.259	36.365	25.751	44.0	0.0	0.0	0.0	0.0
95.0	20.245	36.363	25.758	43.9	0.0	0.0	0.0	0.0
96.0	20.121	36.383	25.802	44.1	0.0	0.0	0.0	0.0
97.0	20.072	36.388	25.818	44.0	0.0	0.0	0.0	0.0
98.0	19.865	36.402	25.864	43.9	0.0	0.0	0.0	0.0
99.0	19.787	36.400	25.903	43.5	0.0	0.0	0.0	0.0
100.0	19.712	36.397	25.920	43.1	0.0	0.0	0.0	0.0
101.0	19.627	36.392	25.940	42.6	0.0	0.0	0.0	0.0
102.0	19.525	36.385	25.961	42.0	0.0	0.0	0.0	0.0
103.0	19.447	36.383	25.980	41.3	0.0	0.0	0.0	0.0
104.0	19.375	36.382	25.993	40.8	0.0	0.0	0.0	0.0
105.0	19.286	36.396	26.031	40.1	0.0	0.0	0.0	0.0
106.0	19.183	36.399	26.060	39.9	0.0	0.0	0.0	0.0
107.0	19.161	36.404	26.070	39.8	0.0	0.0	0.0	0.0
108.0	19.119	36.377	26.060	39.9	0.0	0.0	0.0	0.0
109.0	19.031	36.376	26.082	40.3	0.0	0.0	0.0	0.0
110.0	18.949	36.379	26.105	40.6	0.0	0.0	0.0	0.0
111.0	18.908	36.391	26.125	41.1	0.0	0.0	0.0	0.0
112.0	18.848	36.393	26.145	41.6	0.0	0.0	0.0	0.0
113.0	18.788	36.394	26.158	41.9	0.0	0.0	0.0	0.0
114.0	18.743	36.390	26.167	41.7	0.0	0.0	0.0	0.0
115.0	18.725	36.390	26.171	41.2	0.0	0.0	0.0	0.0
116.0	18.712	36.391	26.175	40.8	0.0	0.0	0.0	0.0
117.0	18.706	36.389	26.176	40.0	0.0	0.0	0.0	0.0
118.0	18.673	36.389	26.183	39.8	0.0	0.0	0.0	0.0
119.0	18.638	36.387	26.191	40.0	0.0	0.0	0.0	0.0
120.0	18.616	36.386	26.196	40.3	0.0	0.0	0.0	0.0

Station: 38
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.89 N
 Longitude 93 47.21 W
 Time: Year Day Hour Minute
 1981 197 17 29

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.600	36.388	26.201	40.2	0.0	0.0	0.0	0.0
122.0	18.578	36.396	26.213	40.2	0.0	0.0	0.0	0.0
123.0	18.522	36.401	26.231	40.2	0.0	0.0	0.0	0.0
124.0	18.482	36.396	26.249	40.4	0.0	0.0	0.0	0.0
125.0	18.404	36.405	26.263	41.4	0.0	0.0	0.0	0.0
126.0	18.395	36.416	26.274	42.3	0.0	0.0	0.0	0.0
127.0	18.320	36.419	26.296	42.5	0.0	0.0	0.0	0.0
128.0	18.215	36.416	26.320	41.9	0.0	0.0	0.0	0.0
129.0	18.115	36.400	26.332	40.5	0.0	0.0	0.0	0.0
130.0	17.978	36.400	26.367	39.4	0.0	0.0	0.0	0.0
131.0	17.804	36.402	26.411	38.9	0.0	0.0	0.0	0.0
132.0	17.701	36.357	26.402	38.6	0.0	0.0	0.0	0.0
133.0	17.676	36.356	26.407	38.3	0.0	0.0	0.0	0.0
134.0	17.658	36.350	26.407	37.9	0.0	0.0	0.0	0.0
135.0	17.614	36.343	26.413	37.7	0.0	0.0	0.0	0.0
136.0	17.476	36.326	26.433	37.8	0.0	0.0	0.0	0.0
137.0	17.311	36.311	26.463	38.3	0.0	0.0	0.0	0.0
138.0	17.176	36.304	26.490	39.4	0.0	0.0	0.0	0.0
139.0	17.074	36.301	26.512	40.3	0.0	0.0	0.0	0.0
140.0	17.009	36.293	26.521	40.7	0.0	0.0	0.0	0.0
141.0	16.983	36.285	26.521	40.5	0.0	0.0	0.0	0.0
142.0	16.962	36.284	26.526	40.4	0.0	0.0	0.0	0.0
143.0	16.946	36.283	26.528	40.7	0.0	0.0	0.0	0.0
144.0	16.886	36.282	26.542	41.2	0.0	0.0	0.0	0.0
145.0	16.801	36.273	26.555	41.4	0.0	0.0	0.0	0.0
146.0	16.746	36.261	26.560	41.5	0.0	0.0	0.0	0.0
147.0	16.724	36.257	26.561	42.0	0.0	0.0	0.0	0.0
148.0	16.694	36.255	26.567	42.1	0.0	0.0	0.0	0.0
149.0	16.670	36.250	26.569	42.0	0.0	0.0	0.0	0.0
150.0	16.612	36.243	26.577	41.2	0.0	0.0	0.0	0.0
151.0	16.535	36.233	26.588	40.4	0.0	0.0	0.0	0.0
152.0	16.485	36.227	26.595	40.5	0.0	0.0	0.0	0.0
153.0	16.451	36.225	26.602	41.0	0.0	0.0	0.0	0.0
154.0	16.417	36.220	26.606	41.9	0.0	0.0	0.0	0.0
155.0	16.372	36.212	26.611	42.5	0.0	0.0	0.0	0.0
156.0	16.304	36.204	26.620	43.1	0.0	0.0	0.0	0.0
157.0	16.238	36.194	26.628	42.5	0.0	0.0	0.0	0.0
158.0	16.192	36.187	26.633	42.4	0.0	0.0	0.0	0.0
159.0	16.146	36.181	26.639	42.9	0.0	0.0	0.0	0.0
160.0	16.103	36.174	26.644	42.5	0.0	0.0	0.0	0.0
161.0	16.057	36.170	26.651	42.4	0.0	0.0	0.0	0.0
162.0	16.016	36.164	26.656	42.1	0.0	0.0	0.0	0.0
163.0	15.974	36.155	26.659	41.6	0.0	0.0	0.0	0.0
164.0	15.922	36.148	26.666	41.5	0.0	0.0	0.0	0.0
165.0	15.895	36.147	26.671	41.6	0.0	0.0	0.0	0.0
166.0	15.814	36.137	26.682	42.1	0.0	0.0	0.0	0.0
167.0	15.758	36.128	26.688	42.1	0.0	0.0	0.0	0.0
168.0	15.721	36.121	26.691	41.8	0.0	0.0	0.0	0.0
169.0	15.700	36.116	26.691	41.1	0.0	0.0	0.0	0.0
170.0	15.667	36.104	26.690	40.4	0.0	0.0	0.0	0.0
171.0	15.609	36.099	26.699	40.0	0.0	0.0	0.0	0.0
172.0	15.542	36.096	26.714	39.8	0.0	0.0	0.0	0.0
173.0	15.504	36.089	26.716	39.6	0.0	0.0	0.0	0.0
174.0	15.487	36.081	26.713	38.8	0.0	0.0	0.0	0.0
175.0	15.473	36.082	26.717	37.2	0.0	0.0	0.0	0.0
176.0	15.466	36.080	26.717	36.6	0.0	0.0	0.0	0.0

Station: 29
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 47.05 N
 Longitude 93 47.11 W
 Time: Year Day Hour Minute
 1981 197 18 13

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
1.0	30.030	36.132	22.585	55.9	0.0	0.0	0.0	0.0
2.0	30.021	36.131	22.588	56.2	0.0	0.0	0.0	0.0
3.0	29.951	36.129	22.610	57.0	0.0	0.0	0.0	0.0
4.0	29.842	36.119	22.640	56.8	0.0	0.0	0.0	0.0
5.0	29.718	36.118	22.682	56.3	0.0	0.0	0.0	0.0
6.0	29.607	36.128	22.727	55.8	0.0	0.0	0.0	0.0
7.0	29.547	36.128	22.747	55.6	0.0	0.0	0.0	0.0
8.0	29.533	36.126	22.750	55.6	0.0	0.0	0.0	0.0
9.0	29.518	36.123	22.753	55.5	0.0	0.0	0.0	0.0
10.0	29.498	36.122	22.759	55.9	0.0	0.0	0.0	0.0
11.0	29.477	36.122	22.766	56.0	0.0	0.0	0.0	0.0
12.0	29.465	36.120	22.769	56.0	0.0	0.0	0.0	0.0
13.0	29.462	36.120	22.770	55.7	0.0	0.0	0.0	0.0
14.0	29.459	36.120	22.770	55.4	0.0	0.0	0.0	0.0
15.0	29.388	36.134	22.806	55.8	0.0	0.0	0.0	0.0
16.0	29.343	36.141	22.826	55.8	0.0	0.0	0.0	0.0
17.0	29.323	36.142	22.834	55.6	0.0	0.0	0.0	0.0
18.0	29.303	36.144	22.841	55.4	0.0	0.0	0.0	0.0
19.0	29.286	36.146	22.849	55.2	0.0	0.0	0.0	0.0
20.0	29.268	36.151	22.859	55.2	0.0	0.0	0.0	0.0
21.0	29.228	36.156	22.876	55.0	0.0	0.0	0.0	0.0
22.0	29.164	36.157	22.898	55.1	0.0	0.0	0.0	0.0
23.0	29.087	36.152	22.921	55.6	0.0	0.0	0.0	0.0
24.0	28.932	36.164	22.981	56.0	0.0	0.0	0.0	0.0
25.0	28.735	36.189	23.066	56.2	0.0	0.0	0.0	0.0
26.0	28.645	36.207	23.110	55.5	0.0	0.0	0.0	0.0
27.0	28.526	36.218	23.158	54.9	0.0	0.0	0.0	0.0
28.0	28.414	36.221	23.197	54.5	0.0	0.0	0.0	0.0
29.0	28.317	36.221	23.229	54.1	0.0	0.0	0.0	0.0
30.0	28.238	36.219	23.258	53.6	0.0	0.0	0.0	0.0
31.0	28.142	36.220	23.287	53.3	0.0	0.0	0.0	0.0
32.0	28.064	36.222	23.307	53.3	0.0	0.0	0.0	0.0
33.0	28.038	36.220	23.321	53.3	0.0	0.0	0.0	0.0
34.0	27.928	36.215	23.353	53.6	0.0	0.0	0.0	0.0
35.0	27.698	36.203	23.419	53.9	0.0	0.0	0.0	0.0
36.0	27.351	36.198	23.528	53.8	0.0	0.0	0.0	0.0
37.0	27.140	36.215	23.609	53.4	0.0	0.0	0.0	0.0
38.0	26.694	36.235	23.766	53.6	0.0	0.0	0.0	0.0
39.0	26.126	36.266	23.969	53.7	0.0	0.0	0.0	0.0
40.0	25.550	36.318	24.188	53.3	0.0	0.0	0.0	0.0
41.0	25.022	36.377	24.395	53.5	0.0	0.0	0.0	0.0
42.0	24.701	36.394	24.506	53.5	0.0	0.0	0.0	0.0
43.0	24.307	36.402	24.631	53.8	0.0	0.0	0.0	0.0
44.0	23.944	36.400	24.737	53.9	0.0	0.0	0.0	0.0
45.0	23.806	36.399	24.777	53.4	0.0	0.0	0.0	0.0
46.0	23.717	36.400	24.804	53.5	0.0	0.0	0.0	0.0
47.0	23.637	36.399	24.827	53.6	0.0	0.0	0.0	0.0
48.0	23.560	36.394	24.846	53.3	0.0	0.0	0.0	0.0
49.0	23.497	36.389	24.861	52.6	0.0	0.0	0.0	0.0
50.0	23.444	36.390	24.877	52.0	0.0	0.0	0.0	0.0
51.0	23.403	36.389	24.888	51.2	0.0	0.0	0.0	0.0
52.0	23.345	36.384	24.902	50.8	0.0	0.0	0.0	0.0
53.0	23.292	36.380	24.914	50.5	0.0	0.0	0.0	0.0
54.0	23.200	36.379	24.940	50.0	0.0	0.0	0.0	0.0
55.0	23.100	36.378	24.969	50.1	0.0	0.0	0.0	0.0
56.0	23.000	36.377	24.997	50.1	0.0	0.0	0.0	0.0
57.0	23.000	36.375	24.995	50.1	0.0	0.0	0.0	0.0
58.0	22.900	36.374	25.024	50.2	0.0	0.0	0.0	0.0
59.0	22.800	36.374	25.052	50.3	0.0	0.0	0.0	0.0
60.0	22.700	36.373	25.080	50.2	0.0	0.0	0.0	0.0

Station: 29
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 47.05 N
 Longitude 98 47.11 W
 Time: Year Day Hour Minute
 1981 197 18 13

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.600	36.372	25.108	49.7	0.0	0.0	0.0	0.0
62.0	22.500	36.371	25.136	49.5	0.0	0.0	0.0	0.0
63.0	22.500	36.370	25.135	49.2	0.0	0.0	0.0	0.0
64.0	22.400	36.369	25.163	49.0	0.0	0.0	0.0	0.0
65.0	22.400	36.368	25.163	48.8	0.0	0.0	0.0	0.0
66.0	22.300	36.367	25.190	48.5	0.0	0.0	0.0	0.0
67.0	22.300	36.367	25.190	48.3	0.0	0.0	0.0	0.0
68.0	22.200	36.366	25.217	48.1	0.0	0.0	0.0	0.0
69.0	22.100	36.365	25.245	47.8	0.0	0.0	0.0	0.0
70.0	22.000	36.364	25.272	47.6	0.0	0.0	0.0	0.0
71.0	22.000	36.363	25.272	47.4	0.0	0.0	0.0	0.0
72.0	21.900	36.362	25.299	47.0	0.0	0.0	0.0	0.0
73.0	21.800	36.356	25.322	46.6	0.0	0.0	0.0	0.0
74.0	21.700	36.347	25.343	46.2	0.0	0.0	0.0	0.0
75.0	21.700	36.337	25.336	46.0	0.0	0.0	0.0	0.0
76.0	21.600	36.334	25.362	45.8	0.0	0.0	0.0	0.0
77.0	21.500	36.331	25.410	44.9	0.0	0.0	0.0	0.0
78.0	21.500	36.324	25.382	45.9	0.0	0.0	0.0	0.0
79.0	21.400	36.320	25.407	47.3	0.0	0.0	0.0	0.0
80.0	21.400	36.322	25.408	47.1	0.0	0.0	0.0	0.0
81.0	21.300	36.327	25.440	46.3	0.0	0.0	0.0	0.0
82.0	21.200	36.340	25.477	45.9	0.0	0.0	0.0	0.0
83.0	21.100	36.351	25.513	45.8	0.0	0.0	0.0	0.0
84.0	21.100	36.367	25.525	45.6	0.0	0.0	0.0	0.0
85.0	21.047	36.369	25.541	45.2	0.0	0.0	0.0	0.0
86.0	21.030	36.367	25.544	45.0	0.0	0.0	0.0	0.0
87.0	21.014	36.364	25.546	44.8	0.0	0.0	0.0	0.0
88.0	21.009	36.364	25.548	44.5	0.0	0.0	0.0	0.0
89.0	21.003	36.364	25.549	44.1	0.0	0.0	0.0	0.0
90.0	20.878	36.367	25.584	44.3	0.0	0.0	0.0	0.0
91.0	20.807	36.375	25.611	44.6	0.0	0.0	0.0	0.0
92.0	20.772	36.383	25.631	45.0	0.0	0.0	0.0	0.0
93.0	20.733	36.392	25.644	45.3	0.0	0.0	0.0	0.0
94.0	20.719	36.384	25.642	45.6	0.0	0.0	0.0	0.0
95.0	20.699	36.384	25.647	45.5	0.0	0.0	0.0	0.0
96.0	20.660	36.384	25.658	45.2	0.0	0.0	0.0	0.0
97.0	20.601	36.377	25.668	45.0	0.0	0.0	0.0	0.0
98.0	20.439	36.367	25.705	45.0	0.0	0.0	0.0	0.0
99.0	20.304	36.362	25.737	44.8	0.0	0.0	0.0	0.0
100.0	20.208	36.362	25.763	44.4	0.0	0.0	0.0	0.0
101.0	20.155	36.365	25.779	44.1	0.0	0.0	0.0	0.0
102.0	20.098	36.369	25.797	44.2	0.0	0.0	0.0	0.0
103.0	20.050	36.374	25.814	44.5	0.0	0.0	0.0	0.0
104.0	19.949	36.389	25.852	44.7	0.0	0.0	0.0	0.0
105.0	19.852	36.407	25.891	44.6	0.0	0.0	0.0	0.0
106.0	19.749	36.422	25.930	44.8	0.0	0.0	0.0	0.0
107.0	19.620	36.424	25.965	44.6	0.0	0.0	0.0	0.0
108.0	19.475	36.424	26.004	44.3	0.0	0.0	0.0	0.0
109.0	19.380	36.431	26.034	44.0	0.0	0.0	0.0	0.0
110.0	19.313	36.429	26.050	43.7	0.0	0.0	0.0	0.0
111.0	19.224	36.427	26.071	43.7	0.0	0.0	0.0	0.0
112.0	19.137	36.429	26.095	43.8	0.0	0.0	0.0	0.0
113.0	19.048	36.438	26.125	44.0	0.0	0.0	0.0	0.0
114.0	18.979	36.450	26.152	43.9	0.0	0.0	0.0	0.0
115.0	18.898	36.460	26.180	43.8	0.0	0.0	0.0	0.0
116.0	18.858	36.457	26.188	43.7	0.0	0.0	0.0	0.0
117.0	18.779	36.449	26.202	44.2	0.0	0.0	0.0	0.0
118.0	18.666	36.458	26.222	44.5	0.0	0.0	0.0	0.0
119.0	18.533	36.426	26.247	44.8	0.0	0.0	0.0	0.0
120.0	18.456	36.425	26.266	44.8	0.0	0.0	0.0	0.0

Station: 29
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 47.05 N
 Longitude 93 47.11 W
 Time: Year Day Hour Minute
 1981 197 18 13

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.406	36.424	26.278	44.8	0.0	0.0	0.0	0.0
122.0	18.369	36.425	26.288	44.7	0.0	0.0	0.0	0.0
123.0	18.336	36.429	26.299	44.3	0.0	0.0	0.0	0.0
124.0	18.300	36.433	26.311	43.9	0.0	0.0	0.0	0.0
125.0	18.287	36.440	26.320	43.9	0.0	0.0	0.0	0.0
126.0	18.261	36.447	26.332	43.8	0.0	0.0	0.0	0.0
127.0	18.194	36.449	26.351	43.8	0.0	0.0	0.0	0.0
128.0	18.118	36.447	26.368	43.7	0.0	0.0	0.0	0.0
129.0	18.035	36.440	26.383	43.3	0.0	0.0	0.0	0.0
130.0	17.988	36.456	26.392	43.2	0.0	0.0	0.0	0.0
131.0	17.949	36.432	26.398	43.3	0.0	0.0	0.0	0.0
132.0	17.914	36.425	26.402	43.6	0.0	0.0	0.0	0.0
133.0	17.892	36.421	26.404	43.7	0.0	0.0	0.0	0.0
134.0	17.880	36.421	26.407	43.7	0.0	0.0	0.0	0.0
135.0	17.873	36.420	26.407	43.5	0.0	0.0	0.0	0.0
136.0	17.871	36.419	26.407	43.2	0.0	0.0	0.0	0.0
137.0	17.867	36.418	26.408	43.0	0.0	0.0	0.0	0.0
138.0	17.864	36.388	26.435	42.8	0.0	0.0	0.0	0.0
139.0	17.827	36.367	26.453	42.5	0.0	0.0	0.0	0.0
140.0	17.453	36.350	26.458	43.7	0.0	0.0	0.0	0.0
141.0	17.361	36.342	26.474	42.9	0.0	0.0	0.0	0.0
142.0	17.251	36.330	26.492	43.2	0.0	0.0	0.0	0.0
143.0	17.190	36.321	26.499	43.4	0.0	0.0	0.0	0.0
144.0	17.154	36.317	26.505	43.3	0.0	0.0	0.0	0.0
145.0	17.109	36.312	26.511	43.7	0.0	0.0	0.0	0.0
146.0	17.089	36.309	26.514	43.6	0.0	0.0	0.0	0.0
147.0	17.079	36.306	26.515	43.9	0.0	0.0	0.0	0.0
148.0	17.074	36.304	26.514	44.1	0.0	0.0	0.0	0.0
149.0	17.068	36.303	26.514	43.7	0.0	0.0	0.0	0.0
150.0	17.052	36.302	26.518	43.0	0.0	0.0	0.0	0.0
151.0	17.015	36.299	26.524	41.9	0.0	0.0	0.0	0.0
152.0	16.952	36.299	26.540	40.9	0.0	0.0	0.0	0.0
153.0	16.901	36.291	26.546	40.7	0.0	0.0	0.0	0.0
154.0	16.855	36.278	26.546	40.8	0.0	0.0	0.0	0.0
155.0	16.800	36.272	26.555	40.9	0.0	0.0	0.0	0.0
156.0	16.755	36.267	26.562	40.9	0.0	0.0	0.0	0.0
157.0	16.669	36.277	26.590	40.6	0.0	0.0	0.0	0.0
158.0	16.574	36.267	26.605	40.5	0.0	0.0	0.0	0.0
159.0	16.481	36.228	26.597	40.6	0.0	0.0	0.0	0.0
160.0	16.403	36.214	26.604	40.8	0.0	0.0	0.0	0.0
161.0	16.319	36.201	26.614	40.8	0.0	0.0	0.0	0.0
162.0	16.249	36.195	26.626	40.6	0.0	0.0	0.0	0.0
163.0	16.194	36.189	26.636	40.6	0.0	0.0	0.0	0.0
164.0	16.131	36.187	26.647	40.7	0.0	0.0	0.0	0.0
165.0	16.077	36.187	26.659	41.1	0.0	0.0	0.0	0.0
166.0	16.024	36.173	26.661	41.6	0.0	0.0	0.0	0.0
167.0	15.994	36.166	26.663	41.6	0.0	0.0	0.0	0.0
168.0	15.962	36.164	26.668	41.4	0.0	0.0	0.0	0.0
169.0	15.935	36.155	26.668	41.9	0.0	0.0	0.0	0.0
170.0	15.916	36.154	26.671	42.3	0.0	0.0	0.0	0.0
171.0	15.914	36.160	26.676	42.4	0.0	0.0	0.0	0.0
172.0	15.933	36.123	26.644	42.4	0.0	0.0	0.0	0.0
173.0	15.932	36.126	26.646	42.5	0.0	0.0	0.0	0.0
174.0	15.915	36.123	26.648	42.6	0.0	0.0	0.0	0.0
175.0	15.936	36.078	26.603	42.6	0.0	0.0	0.0	0.0
176.0	15.796	36.085	26.646	42.7	0.0	0.0	0.0	0.0
177.0	15.723	36.117	26.687	42.7	0.0	0.0	0.0	0.0
178.0	15.580	36.096	26.704	42.6	0.0	0.0	0.0	0.0
179.0	15.352	36.063	26.730	42.6	0.0	0.0	0.0	0.0
180.0	15.352	36.063	26.729	42.3	0.0	0.0	0.0	0.0

Station: 29
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 47.05 N
 Longitude 93 47.11 W
 Time: Year Day Hour Minute
 1981 197 18 13

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
181.0	15.352	36.062	26.729	42.1	0.0	0.0	0.0	0.0
182.0	15.353	36.062	26.728	41.9	0.0	0.0	0.0	0.0
183.0	15.353	36.061	26.728	41.8	0.0	0.0	0.0	0.0
184.0	15.353	36.061	26.728	41.7	0.0	0.0	0.0	0.0
185.0	15.352	36.061	26.728	42.1	0.0	0.0	0.0	0.0
186.0	15.346	36.062	26.731	42.2	0.0	0.0	0.0	0.0
187.0	15.328	36.062	26.734	42.6	0.0	0.0	0.0	0.0
188.0	15.300	36.057	26.737	43.0	0.0	0.0	0.0	0.0
189.0	15.272	36.057	26.743	43.2	0.0	0.0	0.0	0.0
190.0	15.222	36.047	26.747	42.9	0.0	0.0	0.0	0.0
191.0	15.122	36.029	26.755	42.9	0.0	0.0	0.0	0.0
192.0	15.036	36.025	26.771	42.6	0.0	0.0	0.0	0.0
193.0	14.970	36.014	26.777	43.0	0.0	0.0	0.0	0.0
194.0	14.899	35.997	26.780	43.2	0.0	0.0	0.0	0.0
195.0	14.833	35.994	26.792	43.2	0.0	0.0	0.0	0.0
196.0	14.788	35.979	26.790	43.1	0.0	0.0	0.0	0.0
197.0	14.743	35.984	26.804	43.1	0.0	0.0	0.0	0.0
198.0	14.690	35.983	26.815	43.4	0.0	0.0	0.0	0.0
199.0	14.616	35.975	26.825	43.7	0.0	0.0	0.0	0.0
200.0	14.583	35.956	26.817	44.1	0.0	0.0	0.0	0.0
201.0	14.561	35.946	26.815	44.6	0.0	0.0	0.0	0.0
202.0	14.521	35.942	26.820	45.8	0.0	0.0	0.0	0.0
203.0	14.465	35.933	26.825	47.3	0.0	0.0	0.0	0.0
204.0	14.431	35.931	26.831	47.8	0.0	0.0	0.0	0.0
205.0	14.407	35.923	26.830	47.5	0.0	0.0	0.0	0.0
206.0	14.390	35.917	26.829	47.2	0.0	0.0	0.0	0.0
207.0	14.386	35.915	26.829	46.9	0.0	0.0	0.0	0.0
208.0	14.383	35.914	26.829	46.5	0.0	0.0	0.0	0.0
209.0	14.377	35.913	26.829	46.1	0.0	0.0	0.0	0.0
210.0	14.369	35.911	26.829	45.7	0.0	0.0	0.0	0.0
211.0	14.359	35.910	26.831	45.2	0.0	0.0	0.0	0.0
212.0	14.339	35.908	26.834	45.3	0.0	0.0	0.0	0.0
213.0	14.310	35.903	26.836	45.6	0.0	0.0	0.0	0.0
214.0	14.280	35.896	26.837	45.6	0.0	0.0	0.0	0.0
215.0	14.237	35.892	26.843	44.6	0.0	0.0	0.0	0.0
216.0	14.200	35.890	26.849	44.2	0.0	0.0	0.0	0.0
217.0	14.178	35.888	26.853	44.5	0.0	0.0	0.0	0.0
218.0	14.170	35.884	26.851	44.2	0.0	0.0	0.0	0.0
219.0	14.163	35.882	26.851	43.2	0.0	0.0	0.0	0.0
220.0	14.161	35.890	26.857	40.9	0.0	0.0	0.0	0.0

Station: 30
 Cruise : 61-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.89 N
 Longitude 93 47.20 W
 Time: Year Day Hour Minute
 1981 197 19 1 1

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	30.017	36.119	22.580	60.1	0.0	0.0	0.0	0.0
1.0	30.007	36.122	22.585	59.0	0.0	0.0	0.0	0.0
2.0	29.977	36.124	22.597	57.7	0.0	0.0	0.0	0.0
3.0	29.876	36.124	22.632	57.0	0.0	0.0	0.0	0.0
4.0	29.788	36.126	22.680	55.9	0.0	0.0	0.0	0.0
5.0	29.582	36.128	22.731	55.2	0.0	0.0	0.0	0.0
6.0	29.505	36.116	22.752	55.3	0.0	0.0	0.0	0.0
7.0	29.479	36.107	22.754	55.7	0.0	0.0	0.0	0.0
8.0	29.455	36.101	22.758	56.2	0.0	0.0	0.0	0.0
9.0	29.434	36.100	22.744	55.9	0.0	0.0	0.0	0.0
10.0	29.417	36.099	22.763	55.6	0.0	0.0	0.0	0.0
11.0	29.406	36.098	22.772	55.4	0.0	0.0	0.0	0.0
12.0	29.394	36.098	22.777	55.6	0.0	0.0	0.0	0.0
13.0	29.383	36.098	22.780	55.7	0.0	0.0	0.0	0.0
14.0	29.370	36.100	22.786	56.2	0.0	0.0	0.0	0.0
15.0	29.354	36.102	22.793	56.7	0.0	0.0	0.0	0.0
16.0	29.325	36.100	22.802	56.5	0.0	0.0	0.0	0.0
17.0	29.276	36.102	22.818	56.1	0.0	0.0	0.0	0.0
18.0	29.209	36.109	22.847	55.6	0.0	0.0	0.0	0.0
19.0	29.144	36.124	22.880	55.2	0.0	0.0	0.0	0.0
20.0	29.083	36.136	22.910	55.2	0.0	0.0	0.0	0.0
21.0	28.998	36.153	22.952	55.5	0.0	0.0	0.0	0.0
22.0	28.894	36.164	22.997	55.8	0.0	0.0	0.0	0.0
23.0	28.785	36.177	23.057	55.9	0.0	0.0	0.0	0.0
24.0	28.673	36.189	23.087	56.0	0.0	0.0	0.0	0.0
25.0	28.596	36.192	23.115	56.0	0.0	0.0	0.0	0.0
26.0	28.577	36.191	23.121	55.6	0.0	0.0	0.0	0.0
27.0	28.558	36.191	23.127	55.2	0.0	0.0	0.0	0.0
28.0	28.539	36.191	23.133	54.8	0.0	0.0	0.0	0.0
29.0	28.546	36.207	23.209	54.5	0.0	0.0	0.0	0.0
30.0	28.289	36.210	23.230	54.4	0.0	0.0	0.0	0.0
31.0	28.074	36.225	23.312	54.7	0.0	0.0	0.0	0.0
32.0	28.014	36.224	23.331	55.3	0.0	0.0	0.0	0.0
33.0	27.949	36.222	23.351	55.4	0.0	0.0	0.0	0.0
34.0	27.881	36.227	23.394	55.5	0.0	0.0	0.0	0.0
35.0	27.678	36.224	23.441	55.3	0.0	0.0	0.0	0.0
36.0	27.526	36.230	23.495	54.9	0.0	0.0	0.0	0.0
37.0	27.224	36.240	23.615	54.4	0.0	0.0	0.0	0.0
38.0	26.926	36.291	23.735	54.2	0.0	0.0	0.0	0.0
39.0	26.683	36.292	23.812	53.2	0.0	0.0	0.0	0.0
40.0	26.245	36.283	23.945	52.8	0.0	0.0	0.0	0.0
41.0	25.817	36.252	24.055	52.5	0.0	0.0	0.0	0.0
42.0	25.349	36.256	24.203	52.3	0.0	0.0	0.0	0.0
43.0	24.833	36.276	24.376	52.3	0.0	0.0	0.0	0.0
44.0	24.380	36.316	24.544	52.2	0.0	0.0	0.0	0.0
45.0	23.825	36.357	24.711	52.3	0.0	0.0	0.0	0.0
46.0	23.809	36.358	24.745	52.2	0.0	0.0	0.0	0.0
47.0	23.703	36.357	24.776	52.1	0.0	0.0	0.0	0.0
48.0	23.640	36.365	24.801	52.0	0.0	0.0	0.0	0.0
49.0	23.594	36.376	24.822	51.8	0.0	0.0	0.0	0.0
50.0	23.524	36.385	24.850	51.9	0.0	0.0	0.0	0.0
51.0	23.448	36.389	24.875	51.8	0.0	0.0	0.0	0.0
52.0	23.336	36.387	24.906	51.6	0.0	0.0	0.0	0.0
53.0	23.245	36.384	24.931	51.6	0.0	0.0	0.0	0.0
54.0	23.158	36.381	24.954	51.5	0.0	0.0	0.0	0.0
55.0	23.096	36.378	24.970	51.6	0.0	0.0	0.0	0.0
56.0	23.019	36.372	24.987	51.5	0.0	0.0	0.0	0.0
57.0	22.963	36.366	24.999	51.4	0.0	0.0	0.0	0.0
58.0	22.911	36.361	25.010	51.4	0.0	0.0	0.0	0.0
59.0	22.875	36.361	25.020	51.1	0.0	0.0	0.0	0.0

Station: 30
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.89 N
 Longitude 93 47.20 W
 Time: Year Day Hour Minute
 1981 197 19 1

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	22.808	36.359	25.039	50.4	0.0	0.0	0.0	0.0
61.0	22.723	36.359	25.063	49.9	0.0	0.0	0.0	0.0
62.0	22.651	36.361	25.086	49.6	0.0	0.0	0.0	0.0
63.0	22.578	36.364	25.108	49.2	0.0	0.0	0.0	0.0
64.0	22.493	36.368	25.128	49.0	0.0	0.0	0.0	0.0
65.0	22.420	36.355	25.147	48.6	0.0	0.0	0.0	0.0
66.0	22.366	36.357	25.164	48.3	0.0	0.0	0.0	0.0
67.0	22.292	36.359	25.186	48.3	0.0	0.0	0.0	0.0
68.0	22.240	36.356	25.199	48.2	0.0	0.0	0.0	0.0
69.0	22.194	36.353	25.209	48.0	0.0	0.0	0.0	0.0
70.0	22.132	36.354	25.228	47.9	0.0	0.0	0.0	0.0
71.0	22.056	36.352	25.248	47.2	0.0	0.0	0.0	0.0
72.0	21.960	36.338	25.264	46.5	0.0	0.0	0.0	0.0
73.0	21.795	36.316	25.293	46.4	0.0	0.0	0.0	0.0
74.0	21.620	36.299	25.330	46.5	0.0	0.0	0.0	0.0
75.0	21.490	36.302	25.368	46.6	0.0	0.0	0.0	0.0
76.0	21.423	36.298	25.383	46.4	0.0	0.0	0.0	0.0
77.0	21.367	36.294	25.396	46.3	0.0	0.0	0.0	0.0
78.0	21.307	36.294	25.413	46.3	0.0	0.0	0.0	0.0
79.0	21.260	36.295	25.426	46.1	0.0	0.0	0.0	0.0
80.0	21.196	36.294	25.443	45.8	0.0	0.0	0.0	0.0
81.0	21.133	36.295	25.448	45.7	0.0	0.0	0.0	0.0
82.0	21.170	36.297	25.453	45.5	0.0	0.0	0.0	0.0
83.0	21.157	36.299	25.458	45.4	0.0	0.0	0.0	0.0
84.0	21.019	36.322	25.513	45.3	0.0	0.0	0.0	0.0
85.0	21.002	36.325	25.520	45.2	0.0	0.0	0.0	0.0
86.0	20.882	36.343	25.570	45.3	0.0	0.0	0.0	0.0
87.0	20.804	36.365	25.604	45.3	0.0	0.0	0.0	0.0
88.0	20.786	36.372	25.615	45.0	0.0	0.0	0.0	0.0
89.0	20.765	36.373	25.625	44.7	0.0	0.0	0.0	0.0
90.0	20.741	36.384	25.636	44.7	0.0	0.0	0.0	0.0
91.0	20.702	36.387	25.649	44.7	0.0	0.0	0.0	0.0
92.0	20.685	36.388	25.654	44.5	0.0	0.0	0.0	0.0
93.0	20.682	36.390	25.656	44.2	0.0	0.0	0.0	0.0
94.0	20.652	36.392	25.666	44.5	0.0	0.0	0.0	0.0
95.0	20.623	36.394	25.676	44.6	0.0	0.0	0.0	0.0
96.0	20.597	36.398	25.686	44.2	0.0	0.0	0.0	0.0
97.0	20.536	36.399	25.703	44.1	0.0	0.0	0.0	0.0
98.0	20.441	36.391	25.722	44.3	0.0	0.0	0.0	0.0
99.0	20.337	36.383	25.744	44.2	0.0	0.0	0.0	0.0
100.0	20.233	36.379	25.769	44.0	0.0	0.0	0.0	0.0
101.0	20.111	36.373	25.797	44.7	0.0	0.0	0.0	0.0
102.0	19.965	36.384	25.844	45.4	0.0	0.0	0.0	0.0
103.0	19.814	36.412	25.905	46.0	0.0	0.0	0.0	0.0
104.0	19.685	36.433	25.955	46.4	0.0	0.0	0.0	0.0
105.0	19.606	36.441	25.982	46.7	0.0	0.0	0.0	0.0
106.0	19.534	36.441	26.001	47.1	0.0	0.0	0.0	0.0
107.0	19.459	36.442	26.021	47.2	0.0	0.0	0.0	0.0
108.0	19.381	36.439	26.040	46.8	0.0	0.0	0.0	0.0
109.0	19.300	36.438	26.060	46.1	0.0	0.0	0.0	0.0
110.0	19.221	36.437	26.079	45.8	0.0	0.0	0.0	0.0
111.0	19.149	36.439	26.099	45.6	0.0	0.0	0.0	0.0
112.0	19.110	36.440	26.110	45.2	0.0	0.0	0.0	0.0
113.0	19.065	36.442	26.123	44.7	0.0	0.0	0.0	0.0
114.0	18.987	36.445	26.146	44.6	0.0	0.0	0.0	0.0
115.0	18.918	36.453	26.169	44.6	0.0	0.0	0.0	0.0
116.0	18.876	36.459	26.185	44.3	0.0	0.0	0.0	0.0
117.0	18.836	36.459	26.195	44.5	0.0	0.0	0.0	0.0
118.0	18.777	36.459	26.210	44.9	0.0	0.0	0.0	0.0
119.0	18.727	36.454	26.220	45.1	0.0	0.0	0.0	0.0

Station: 30
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.89 N
 Longitude 83 47.20 W
 Time: Year Day Hour Minute
 1981 197 19 1

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
120.0	18.678	36.449	26.228	45.1	0.0	0.0	0.0	0.0
121.0	18.567	36.440	26.249	45.7	0.0	0.0	0.0	0.0
122.0	18.470	36.430	26.267	46.2	0.0	0.0	0.0	0.0
123.0	18.431	36.427	26.274	46.3	0.0	0.0	0.0	0.0
124.0	18.386	36.427	26.285	45.9	0.0	0.0	0.0	0.0
125.0	18.344	36.426	26.285	45.5	0.0	0.0	0.0	0.0
126.0	18.303	36.427	26.303	45.8	0.0	0.0	0.0	0.0
127.0	18.250	36.432	26.323	45.6	0.0	0.0	0.0	0.0
128.0	18.213	36.432	26.333	45.5	0.0	0.0	0.0	0.0
129.0	18.183	36.432	26.340	45.4	0.0	0.0	0.0	0.0
130.0	18.152	36.430	26.346	45.2	0.0	0.0	0.0	0.0
131.0	18.126	36.430	26.352	44.7	0.0	0.0	0.0	0.0
132.0	18.092	36.435	26.365	44.8	0.0	0.0	0.0	0.0
133.0	18.022	36.437	26.384	44.7	0.0	0.0	0.0	0.0
134.0	17.996	36.438	26.391	44.7	0.0	0.0	0.0	0.0
135.0	18.025	36.440	26.385	44.6	0.0	0.0	0.0	0.0
136.0	18.009	36.438	26.388	44.5	0.0	0.0	0.0	0.0
137.0	17.993	36.437	26.391	44.5	0.0	0.0	0.0	0.0
138.0	17.976	36.435	26.394	44.5	0.0	0.0	0.0	0.0
139.0	17.960	36.434	26.397	44.4	0.0	0.0	0.0	0.0
140.0	17.847	36.421	26.415	45.1	0.0	0.0	0.0	0.0
141.0	17.827	36.419	26.419	45.1	0.0	0.0	0.0	0.0
142.0	17.725	36.410	26.437	45.2	0.0	0.0	0.0	0.0
143.0	17.638	36.402	26.452	45.2	0.0	0.0	0.0	0.0
144.0	17.615	36.398	26.454	44.9	0.0	0.0	0.0	0.0
145.0	17.593	36.394	26.457	44.9	0.0	0.0	0.0	0.0
146.0	17.574	36.391	26.459	44.9	0.0	0.0	0.0	0.0
147.0	17.545	36.387	26.463	44.7	0.0	0.0	0.0	0.0
148.0	17.455	36.374	26.476	44.4	0.0	0.0	0.0	0.0
149.0	17.356	36.359	26.493	44.2	0.0	0.0	0.0	0.0
150.0	17.228	36.340	26.505	44.3	0.0	0.0	0.0	0.0
151.0	17.123	36.332	26.524	44.3	0.0	0.0	0.0	0.0
152.0	17.051	36.320	26.532	44.2	0.0	0.0	0.0	0.0
153.0	17.003	36.311	26.536	44.5	0.0	0.0	0.0	0.0
154.0	16.950	36.304	26.543	44.1	0.0	0.0	0.0	0.0
155.0	16.915	36.297	26.547	43.8	0.0	0.0	0.0	0.0
156.0	16.846	36.288	26.557	43.6	0.0	0.0	0.0	0.0
157.0	16.774	36.276	26.565	43.7	0.0	0.0	0.0	0.0
158.0	16.737	36.271	26.569	43.8	0.0	0.0	0.0	0.0
159.0	16.702	36.264	26.572	43.7	0.0	0.0	0.0	0.0
160.0	16.664	36.259	26.577	43.7	0.0	0.0	0.0	0.0
161.0	16.619	36.253	26.584	43.9	0.0	0.0	0.0	0.0
162.0	16.548	36.242	26.591	43.8	0.0	0.0	0.0	0.0
163.0	16.479	36.227	26.597	43.6	0.0	0.0	0.0	0.0
164.0	16.411	36.221	26.608	43.5	0.0	0.0	0.0	0.0
165.0	16.353	36.216	26.617	43.4	0.0	0.0	0.0	0.0
166.0	16.316	36.211	26.622	43.1	0.0	0.0	0.0	0.0
167.0	16.289	36.206	26.625	43.1	0.0	0.0	0.0	0.0
168.0	16.257	36.200	26.628	43.3	0.0	0.0	0.0	0.0
169.0	16.206	36.193	26.634	43.9	0.0	0.0	0.0	0.0
170.0	16.156	36.185	26.640	44.2	0.0	0.0	0.0	0.0
171.0	16.113	36.179	26.645	44.6	0.0	0.0	0.0	0.0
172.0	16.072	36.172	26.649	44.7	0.0	0.0	0.0	0.0
173.0	16.022	36.166	26.656	44.6	0.0	0.0	0.0	0.0
174.0	15.954	36.158	26.666	44.5	0.0	0.0	0.0	0.0
175.0	15.904	36.152	26.673	44.3	0.0	0.0	0.0	0.0
176.0	15.881	36.147	26.674	44.2	0.0	0.0	0.0	0.0
177.0	15.847	36.141	26.678	44.3	0.0	0.0	0.0	0.0
178.0	15.816	36.136	26.681	44.5	0.0	0.0	0.0	0.0
179.0	15.792	36.131	26.682	44.8	0.0	0.0	0.0	0.0

Station: 30
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.89 N
 Longitude 93 47.20 W
 Time: Year Day Hour Minute
 1981 197 19 1

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
180.0	15.780	36.129	26.683	44.7	0.0	0.0	0.0	0.0
181.0	15.774	36.127	26.683	44.5	0.0	0.0	0.0	0.0
182.0	15.766	36.125	26.684	44.4	0.0	0.0	0.0	0.0
183.0	15.752	36.123	26.686	44.4	0.0	0.0	0.0	0.0
184.0	15.719	36.118	26.689	44.3	0.0	0.0	0.0	0.0
185.0	15.678	36.113	26.695	44.1	0.0	0.0	0.0	0.0
186.0	15.655	36.108	26.696	44.9	0.0	0.0	0.0	0.0
187.0	15.625	36.104	26.700	45.6	0.0	0.0	0.0	0.0
188.0	15.602	36.101	26.703	46.0	0.0	0.0	0.0	0.0
189.0	15.596	36.100	26.703	45.6	0.0	0.0	0.0	0.0
190.0	15.573	36.095	26.705	45.8	0.0	0.0	0.0	0.0
191.0	15.546	36.090	26.707	45.2	0.0	0.0	0.0	0.0
192.0	15.526	36.086	26.708	44.0	0.0	0.0	0.0	0.0
193.0	15.521	36.087	26.710	43.5	0.0	0.0	0.0	0.0
194.0	15.517	36.087	26.711	43.0	0.0	0.0	0.0	0.0
195.0	15.445	36.080	26.722	42.6	0.0	0.0	0.0	0.0
196.0	15.393	36.071	26.727	42.6	0.0	0.0	0.0	0.0
197.0	15.367	36.065	26.728	43.4	0.0	0.0	0.0	0.0
198.0	15.366	36.064	26.727	44.0	0.0	0.0	0.0	0.0
199.0	15.360	36.062	26.728	44.2	0.0	0.0	0.0	0.0
200.0	15.344	36.061	26.730	44.1	0.0	0.0	0.0	0.0
201.0	15.301	36.054	26.734	43.8	0.0	0.0	0.0	0.0
202.0	15.246	36.046	26.740	43.4	0.0	0.0	0.0	0.0
203.0	15.206	36.041	26.745	43.7	0.0	0.0	0.0	0.0
204.0	15.186	36.037	26.747	43.3	0.0	0.0	0.0	0.0
205.0	15.172	36.034	26.748	43.0	0.0	0.0	0.0	0.0
206.0	15.135	36.030	26.753	42.3	0.0	0.0	0.0	0.0
207.0	15.076	36.017	26.756	41.5	0.0	0.0	0.0	0.0
208.0	15.021	36.007	26.760	41.4	0.0	0.0	0.0	0.0
209.0	14.932	35.999	26.774	41.9	0.0	0.0	0.0	0.0
210.0	14.884	35.991	26.779	42.2	0.0	0.0	0.0	0.0
211.0	14.869	35.986	26.778	42.4	0.0	0.0	0.0	0.0
212.0	14.836	35.982	26.783	42.2	0.0	0.0	0.0	0.0
213.0	14.782	35.972	26.787	42.1	0.0	0.0	0.0	0.0
214.0	14.732	35.972	26.797	42.1	0.0	0.0	0.0	0.0
215.0	14.682	35.961	26.800	42.0	0.0	0.0	0.0	0.0
216.0	14.645	35.955	26.804	41.9	0.0	0.0	0.0	0.0
217.0	14.624	35.954	26.807	41.7	0.0	0.0	0.0	0.0
218.0	14.606	35.949	26.807	41.9	0.0	0.0	0.0	0.0
219.0	14.592	35.947	26.809	42.5	0.0	0.0	0.0	0.0
220.0	14.574	35.944	26.810	42.9	0.0	0.0	0.0	0.0
221.0	14.533	35.937	26.814	43.0	0.0	0.0	0.0	0.0
222.0	14.502	35.934	26.818	42.8	0.0	0.0	0.0	0.0
223.0	14.482	35.932	26.821	42.9	0.0	0.0	0.0	0.0
224.0	14.458	35.926	26.822	43.8	0.0	0.0	0.0	0.0
225.0	14.443	35.921	26.821	44.9	0.0	0.0	0.0	0.0
226.0	14.442	35.922	26.822	45.9	0.0	0.0	0.0	0.0
227.0	14.431	35.920	26.823	47.0	0.0	0.0	0.0	0.0
228.0	14.416	35.919	26.825	47.0	0.0	0.0	0.0	0.0
229.0	14.397	35.915	26.826	46.0	0.0	0.0	0.0	0.0
230.0	14.347	35.903	26.828	44.4	0.0	0.0	0.0	0.0
231.0	14.289	35.899	26.837	43.0	0.0	0.0	0.0	0.0
232.0	14.261	35.894	26.839	42.9	0.0	0.0	0.0	0.0
233.0	14.236	35.888	26.840	43.1	0.0	0.0	0.0	0.0
234.0	14.183	35.885	26.849	43.4	0.0	0.0	0.0	0.0
235.0	14.103	35.874	26.858	43.7	0.0	0.0	0.0	0.0
236.0	14.014	35.869	26.873	43.8	0.0	0.0	0.0	0.0
237.0	13.901	35.854	26.885	43.7	0.0	0.0	0.0	0.0
238.0	13.803	35.829	26.886	43.5	0.0	0.0	0.0	0.0
239.0	13.739	35.820	26.893	43.3	0.0	0.0	0.0	0.0

Station: 30
 Cruise : SI-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.89 N
 Longitude 93 47.20 W
 Time: Year Day Hour Minute
 1981 197 19 1

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
240.0	18.694	35.812	26.896	42.7	0.0	0.0	0.0	0.0
241.0	18.689	35.801	26.900	42.3	0.0	0.0	0.0	0.0
242.0	18.625	35.785	26.910	42.2	0.0	0.0	0.0	0.0
243.0	18.412	35.772	26.924	42.6	0.0	0.0	0.0	0.0
244.0	18.324	35.759	26.932	42.8	0.0	0.0	0.0	0.0
245.0	18.274	35.744	26.930	42.8	0.0	0.0	0.0	0.0
246.0	18.260	35.739	26.930	43.2	0.0	0.0	0.0	0.0
247.0	18.253	35.738	26.930	43.2	0.0	0.0	0.0	0.0
248.0	18.251	35.736	26.930	42.9	0.0	0.0	0.0	0.0
249.0	18.204	35.734	26.937	42.6	0.0	0.0	0.0	0.0
250.0	18.140	35.726	26.944	42.6	0.0	0.0	0.0	0.0
251.0	18.109	35.721	26.947	43.1	0.0	0.0	0.0	0.0
252.0	18.078	35.717	26.950	43.3	0.0	0.0	0.0	0.0
253.0	18.033	35.711	26.954	43.7	0.0	0.0	0.0	0.0
254.0	12.964	35.706	26.965	43.4	0.0	0.0	0.0	0.0
255.0	12.911	35.695	26.967	42.9	0.0	0.0	0.0	0.0
256.0	12.877	35.683	26.965	43.4	0.0	0.0	0.0	0.0
257.0	12.853	35.674	26.964	43.5	0.0	0.0	0.0	0.0
258.0	12.846	35.673	26.963	43.2	0.0	0.0	0.0	0.0
259.0	12.837	35.671	26.963	42.2	0.0	0.0	0.0	0.0
260.0	12.825	35.670	26.965	40.7	0.0	0.0	0.0	0.0
261.0	12.812	35.668	26.966	40.7	0.0	0.0	0.0	0.0
262.0	12.797	35.668	26.969	41.0	0.0	0.0	0.0	0.0
263.0	12.751	35.664	26.969	41.6	0.0	0.0	0.0	0.0
264.0	12.761	35.658	26.969	41.9	0.0	0.0	0.0	0.0
265.0	12.736	35.654	26.970	42.0	0.0	0.0	0.0	0.0
266.0	12.698	35.650	26.974	41.5	0.0	0.0	0.0	0.0
267.0	12.640	35.640	26.979	42.2	0.0	0.0	0.0	0.0

Station: 31
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.55 N
 Longitude 93 51.68 W
 Time: Year Day Hour Minute
 1981 197 19 59

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
0.0	30.423	36.027	22.371	57.2	0.0	0.0	0.0	0.0
1.0	30.414	36.027	22.374	55.9	0.0	0.0	0.0	0.0
2.0	30.362	36.026	22.391	55.5	0.0	0.0	0.0	0.0
3.0	30.168	36.051	22.477	55.3	0.0	0.0	0.0	0.0
4.0	29.900	36.080	22.590	55.3	0.0	0.0	0.0	0.0
5.0	29.663	36.086	22.676	55.3	0.0	0.0	0.0	0.0
6.0	29.590	36.097	22.709	55.8	0.0	0.0	0.0	0.0
7.0	29.548	36.098	22.724	56.4	0.0	0.0	0.0	0.0
8.0	29.526	36.097	22.731	56.3	0.0	0.0	0.0	0.0
9.0	29.509	36.094	22.735	56.1	0.0	0.0	0.0	0.0
10.0	29.490	36.090	22.738	56.1	0.0	0.0	0.0	0.0
11.0	29.476	36.089	22.742	55.9	0.0	0.0	0.0	0.0
12.0	29.463	36.090	22.747	55.6	0.0	0.0	0.0	0.0
13.0	29.412	36.092	22.766	55.5	0.0	0.0	0.0	0.0
14.0	29.379	36.094	22.779	55.7	0.0	0.0	0.0	0.0
15.0	29.365	36.098	22.784	55.9	0.0	0.0	0.0	0.0
16.0	29.354	36.097	22.789	56.0	0.0	0.0	0.0	0.0
17.0	29.346	36.100	22.794	56.0	0.0	0.0	0.0	0.0
18.0	29.337	36.103	22.799	56.0	0.0	0.0	0.0	0.0
19.0	29.329	36.105	22.804	56.0	0.0	0.0	0.0	0.0
20.0	29.088	36.171	22.952	56.0	0.0	0.0	0.0	0.0
21.0	28.841	36.205	23.043	55.9	0.0	0.0	0.0	0.0
22.0	28.505	36.258	23.194	55.7	0.0	0.0	0.0	0.0
23.0	28.434	36.261	23.221	55.5	0.0	0.0	0.0	0.0
24.0	28.390	36.262	23.236	55.2	0.0	0.0	0.0	0.0
25.0	28.344	36.257	23.243	55.2	0.0	0.0	0.0	0.0
26.0	28.306	36.253	23.257	55.2	0.0	0.0	0.0	0.0
27.0	28.290	36.244	23.256	55.6	0.0	0.0	0.0	0.0
28.0	28.265	36.241	23.261	56.0	0.0	0.0	0.0	0.0
29.0	28.214	36.242	23.279	56.3	0.0	0.0	0.0	0.0
30.0	28.158	36.239	23.295	56.4	0.0	0.0	0.0	0.0
31.0	28.086	36.233	23.315	56.1	0.0	0.0	0.0	0.0
32.0	28.021	36.227	23.332	55.8	0.0	0.0	0.0	0.0
33.0	27.950	36.223	23.351	55.5	0.0	0.0	0.0	0.0
34.0	27.898	36.221	23.367	54.6	0.0	0.0	0.0	0.0
35.0	27.776	36.218	23.405	54.4	0.0	0.0	0.0	0.0
36.0	27.624	36.225	23.460	54.2	0.0	0.0	0.0	0.0
37.0	27.432	36.254	23.544	54.6	0.0	0.0	0.0	0.0
38.0	26.971	36.271	23.705	54.3	0.0	0.0	0.0	0.0
39.0	26.563	36.289	23.849	54.0	0.0	0.0	0.0	0.0
40.0	26.350	36.305	23.929	53.9	0.0	0.0	0.0	0.0
41.0	26.218	36.319	23.981	54.1	0.0	0.0	0.0	0.0
42.0	25.927	36.337	24.085	54.2	0.0	0.0	0.0	0.0
43.0	25.436	36.365	24.259	53.8	0.0	0.0	0.0	0.0
44.0	24.906	36.388	24.439	53.7	0.0	0.0	0.0	0.0
45.0	24.522	36.386	24.554	53.7	0.0	0.0	0.0	0.0
46.0	24.201	36.377	24.643	53.3	0.0	0.0	0.0	0.0
47.0	23.973	36.363	24.715	52.4	0.0	0.0	0.0	0.0
48.0	23.810	36.394	24.772	53.0	0.0	0.0	0.0	0.0
49.0	23.635	36.389	24.821	53.3	0.0	0.0	0.0	0.0
50.0	23.483	36.384	24.861	53.3	0.0	0.0	0.0	0.0
51.0	23.374	36.386	24.894	53.2	0.0	0.0	0.0	0.0
52.0	23.280	36.385	24.921	52.4	0.0	0.0	0.0	0.0
53.0	23.191	36.384	24.947	52.3	0.0	0.0	0.0	0.0
54.0	23.100	36.381	24.970	52.0	0.0	0.0	0.0	0.0
55.0	23.030	36.377	24.988	52.4	0.0	0.0	0.0	0.0
56.0	22.968	36.373	25.003	53.3	0.0	0.0	0.0	0.0
57.0	22.879	36.373	25.029	53.4	0.0	0.0	0.0	0.0
58.0	22.761	36.368	25.059	53.0	0.0	0.0	0.0	0.0
59.0	22.635	36.362	25.076	52.6	0.0	0.0	0.0	0.0

Station: 31
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.55 N
 Longitude 93 51.68 W
 Time: Year Day Hour Minute
 1981 197 19 59

Depth m	Temp des C	Sal prt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
60.0	22.641	36.355	25.084	51.4	0.0	0.0	0.0	0.0
61.0	22.573	36.354	25.102	50.7	0.0	0.0	0.0	0.0
62.0	22.504	36.353	25.121	50.1	0.0	0.0	0.0	0.0
63.0	22.424	36.351	25.142	49.7	0.0	0.0	0.0	0.0
64.0	22.335	36.353	25.169	49.9	0.0	0.0	0.0	0.0
65.0	22.294	36.348	25.177	50.0	0.0	0.0	0.0	0.0
66.0	22.271	36.335	25.174	50.1	0.0	0.0	0.0	0.0
67.0	22.262	36.342	25.182	49.5	0.0	0.0	0.0	0.0
68.0	22.252	36.349	25.190	48.9	0.0	0.0	0.0	0.0
69.0	22.242	36.355	25.197	48.3	0.0	0.0	0.0	0.0
70.0	21.858	36.338	25.292	47.5	0.0	0.0	0.0	0.0
71.0	21.802	36.341	25.311	46.9	0.0	0.0	0.0	0.0
72.0	21.354	36.331	25.420	46.3	0.0	0.0	0.0	0.0
73.0	21.251	36.324	25.451	46.1	0.0	0.0	0.0	0.0
74.0	21.132	36.322	25.482	46.1	0.0	0.0	0.0	0.0
75.0	21.006	36.316	25.512	46.1	0.0	0.0	0.0	0.0
76.0	20.911	36.322	25.542	46.4	0.0	0.0	0.0	0.0
77.0	20.841	36.334	25.571	46.5	0.0	0.0	0.0	0.0
78.0	20.806	36.342	25.586	46.3	0.0	0.0	0.0	0.0
79.0	20.790	36.349	25.596	46.2	0.0	0.0	0.0	0.0
80.0	20.783	36.355	25.603	46.7	0.0	0.0	0.0	0.0
81.0	20.772	36.356	25.606	46.4	0.0	0.0	0.0	0.0
82.0	20.756	36.357	25.611	46.5	0.0	0.0	0.0	0.0
83.0	20.747	36.358	25.614	46.6	0.0	0.0	0.0	0.0
84.0	20.738	36.358	25.617	46.0	0.0	0.0	0.0	0.0
85.0	20.730	36.355	25.619	45.5	0.0	0.0	0.0	0.0
86.0	20.718	36.362	25.625	45.6	0.0	0.0	0.0	0.0
87.0	20.704	36.368	25.634	45.3	0.0	0.0	0.0	0.0
88.0	20.689	36.376	25.644	44.8	0.0	0.0	0.0	0.0
89.0	20.668	36.384	25.656	44.6	0.0	0.0	0.0	0.0
90.0	20.638	36.392	25.670	44.6	0.0	0.0	0.0	0.0
91.0	20.597	36.398	25.685	44.7	0.0	0.0	0.0	0.0
92.0	20.545	36.400	25.701	44.5	0.0	0.0	0.0	0.0
93.0	20.483	36.400	25.718	43.9	0.0	0.0	0.0	0.0
94.0	20.426	36.403	25.735	43.3	0.0	0.0	0.0	0.0
95.0	20.352	36.406	25.758	43.2	0.0	0.0	0.0	0.0
96.0	20.247	36.406	25.786	43.6	0.0	0.0	0.0	0.0
97.0	20.153	36.401	25.807	44.4	0.0	0.0	0.0	0.0
98.0	20.044	36.398	25.834	45.1	0.0	0.0	0.0	0.0
99.0	19.935	36.392	25.858	45.7	0.0	0.0	0.0	0.0
100.0	19.841	36.399	25.888	45.0	0.0	0.0	0.0	0.0
101.0	19.789	36.398	25.901	44.0	0.0	0.0	0.0	0.0
102.0	19.772	36.420	25.923	43.7	0.0	0.0	0.0	0.0
103.0	19.760	36.451	25.949	43.7	0.0	0.0	0.0	0.0
104.0	19.756	36.425	25.931	43.6	0.0	0.0	0.0	0.0
105.0	19.636	36.422	25.960	43.6	0.0	0.0	0.0	0.0
106.0	19.495	36.423	25.998	44.0	0.0	0.0	0.0	0.0
107.0	19.327	36.432	26.048	44.3	0.0	0.0	0.0	0.0
108.0	19.174	36.407	26.069	44.3	0.0	0.0	0.0	0.0
109.0	19.100	36.393	26.078	44.6	0.0	0.0	0.0	0.0
110.0	19.092	36.390	26.077	45.0	0.0	0.0	0.0	0.0
111.0	19.078	36.392	26.082	46.0	0.0	0.0	0.0	0.0
112.0	19.060	36.395	26.089	46.8	0.0	0.0	0.0	0.0
113.0	19.039	36.403	26.101	46.8	0.0	0.0	0.0	0.0
114.0	18.999	36.420	26.124	46.2	0.0	0.0	0.0	0.0
115.0	18.950	36.427	26.142	45.4	0.0	0.0	0.0	0.0
116.0	18.896	36.433	26.160	44.8	0.0	0.0	0.0	0.0
117.0	18.863	36.440	26.174	45.5	0.0	0.0	0.0	0.0
118.0	18.846	36.443	26.181	45.4	0.0	0.0	0.0	0.0
119.0	18.823	36.447	26.190	45.6	0.0	0.0	0.0	0.0

Station: 31
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.55 N
 Longitude 93 51.68 W
 Time: Year Day Hour Minute
 1981 197 19 59

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
120.0	18.789	36.453	26.203	46.0	0.0	0.0	0.0	0.0
121.0	18.732	36.456	26.220	46.0	0.0	0.0	0.0	0.0
122.0	18.661	36.451	26.234	45.4	0.0	0.0	0.0	0.0
123.0	18.585	36.445	26.248	45.5	0.0	0.0	0.0	0.0
124.0	18.519	36.443	26.264	45.4	0.0	0.0	0.0	0.0
125.0	18.477	36.440	26.272	45.1	0.0	0.0	0.0	0.0
126.0	18.393	36.438	26.283	44.8	0.0	0.0	0.0	0.0
127.0	18.326	36.419	26.294	44.4	0.0	0.0	0.0	0.0
128.0	18.281	36.418	26.305	43.9	0.0	0.0	0.0	0.0
129.0	18.260	36.417	26.309	43.8	0.0	0.0	0.0	0.0
130.0	18.249	36.416	26.311	43.7	0.0	0.0	0.0	0.0
131.0	18.227	36.414	26.315	43.7	0.0	0.0	0.0	0.0
132.0	18.197	36.412	26.322	43.7	0.0	0.0	0.0	0.0
133.0	18.180	36.411	26.337	43.9	0.0	0.0	0.0	0.0
134.0	18.079	36.411	26.350	44.0	0.0	0.0	0.0	0.0
135.0	18.035	36.410	26.360	44.2	0.0	0.0	0.0	0.0
136.0	17.995	36.407	26.368	44.3	0.0	0.0	0.0	0.0
137.0	17.958	36.404	26.375	44.6	0.0	0.0	0.0	0.0
138.0	17.922	36.403	26.383	44.8	0.0	0.0	0.0	0.0
139.0	17.884	36.396	26.387	44.5	0.0	0.0	0.0	0.0
140.0	17.840	36.391	26.394	44.4	0.0	0.0	0.0	0.0
141.0	17.799	36.387	26.401	44.4	0.0	0.0	0.0	0.0
142.0	17.762	36.385	26.408	44.2	0.0	0.0	0.0	0.0
143.0	17.725	36.381	26.415	43.8	0.0	0.0	0.0	0.0
144.0	17.687	36.386	26.428	43.3	0.0	0.0	0.0	0.0
145.0	17.679	36.383	26.427	42.9	0.0	0.0	0.0	0.0
146.0	17.662	36.391	26.438	42.8	0.0	0.0	0.0	0.0
147.0	17.633	36.405	26.456	42.9	0.0	0.0	0.0	0.0
148.0	17.633	36.393	26.446	43.3	0.0	0.0	0.0	0.0
149.0	17.571	36.387	26.457	43.4	0.0	0.0	0.0	0.0
150.0	17.531	36.382	26.463	43.4	0.0	0.0	0.0	0.0
151.0	17.516	36.379	26.464	43.1	0.0	0.0	0.0	0.0
152.0	17.482	36.372	26.467	43.1	0.0	0.0	0.0	0.0
153.0	17.408	36.360	26.476	43.1	0.0	0.0	0.0	0.0
154.0	17.308	36.354	26.496	43.4	0.0	0.0	0.0	0.0
155.0	17.248	36.347	26.505	43.8	0.0	0.0	0.0	0.0
156.0	17.178	36.334	26.511	44.3	0.0	0.0	0.0	0.0
157.0	17.027	36.327	26.543	45.0	0.0	0.0	0.0	0.0
158.0	16.907	36.315	26.563	45.4	0.0	0.0	0.0	0.0
159.0	16.871	36.291	26.552	45.6	0.0	0.0	0.0	0.0
160.0	16.801	36.277	26.559	45.4	0.0	0.0	0.0	0.0
161.0	16.708	36.268	26.574	45.1	0.0	0.0	0.0	0.0
162.0	16.625	36.257	26.585	45.1	0.0	0.0	0.0	0.0
163.0	16.571	36.245	26.588	45.6	0.0	0.0	0.0	0.0
164.0	16.545	36.239	26.590	45.3	0.0	0.0	0.0	0.0
165.0	16.509	36.233	26.594	45.2	0.0	0.0	0.0	0.0
166.0	16.489	36.228	26.595	44.9	0.0	0.0	0.0	0.0
167.0	16.440	36.227	26.606	44.9	0.0	0.0	0.0	0.0
168.0	16.386	36.219	26.612	45.1	0.0	0.0	0.0	0.0
169.0	16.306	36.207	26.622	45.3	0.0	0.0	0.0	0.0
170.0	16.223	36.195	26.632	44.9	0.0	0.0	0.0	0.0
171.0	16.136	36.184	26.644	44.5	0.0	0.0	0.0	0.0
172.0	16.077	36.174	26.649	43.9	0.0	0.0	0.0	0.0
173.0	16.050	36.170	26.653	43.8	0.0	0.0	0.0	0.0
174.0	16.027	36.166	26.655	44.6	0.0	0.0	0.0	0.0
175.0	15.987	36.160	26.660	45.3	0.0	0.0	0.0	0.0
176.0	15.953	36.155	26.663	45.9	0.0	0.0	0.0	0.0
177.0	15.919	36.151	26.668	46.7	0.0	0.0	0.0	0.0
178.0	15.879	36.145	26.673	46.7	0.0	0.0	0.0	0.0
179.0	15.842	36.139	26.677	46.5	0.0	0.0	0.0	0.0

Station: 31
 Cruise : 31-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.55 N
 Longitude 93 51.68 W
 Time: Year Day Hour Minute
 1981 197 19 59

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
180.0	15.816	36.134	26.679	44.0	0.0	0.0	0.0	0.0
181.0	15.792	36.130	26.681	45.8	0.0	0.0	0.0	0.0
182.0	15.777	36.128	26.683	45.5	0.0	0.0	0.0	0.0
183.0	15.758	36.123	26.684	44.7	0.0	0.0	0.0	0.0
184.0	15.711	36.117	26.690	44.5	0.0	0.0	0.0	0.0
185.0	15.646	36.109	26.699	44.3	0.0	0.0	0.0	0.0
186.0	15.600	36.104	26.705	44.4	0.0	0.0	0.0	0.0
187.0	15.574	36.096	26.705	44.2	0.0	0.0	0.0	0.0
188.0	15.557	36.095	26.708	44.1	0.0	0.0	0.0	0.0
189.0	15.530	36.091	26.711	44.0	0.0	0.0	0.0	0.0
190.0	15.520	36.090	26.712	44.1	0.0	0.0	0.0	0.0
191.0	15.500	36.085	26.713	44.3	0.0	0.0	0.0	0.0
192.0	15.497	36.083	26.713	44.6	0.0	0.0	0.0	0.0
193.0	15.494	36.082	26.712	44.9	0.0	0.0	0.0	0.0
194.0	15.419	36.065	26.716	45.0	0.0	0.0	0.0	0.0
195.0	15.340	36.058	26.729	44.9	0.0	0.0	0.0	0.0
196.0	15.219	36.046	26.747	44.6	0.0	0.0	0.0	0.0
197.0	15.205	36.042	26.746	44.6	0.0	0.0	0.0	0.0
198.0	15.193	36.039	26.747	44.5	0.0	0.0	0.0	0.0
199.0	15.161	36.032	26.749	44.2	0.0	0.0	0.0	0.0
200.0	15.107	36.023	26.754	44.1	0.0	0.0	0.0	0.0
201.0	15.050	36.018	26.762	44.3	0.0	0.0	0.0	0.0
202.0	15.027	36.014	26.765	44.2	0.0	0.0	0.0	0.0
203.0	15.016	36.014	26.767	44.2	0.0	0.0	0.0	0.0
204.0	15.000	36.010	26.768	44.7	0.0	0.0	0.0	0.0
205.0	14.985	36.008	26.769	44.4	0.0	0.0	0.0	0.0
206.0	14.970	36.006	26.771	44.2	0.0	0.0	0.0	0.0
207.0	14.959	36.003	26.771	44.4	0.0	0.0	0.0	0.0
208.0	14.953	36.002	26.772	43.8	0.0	0.0	0.0	0.0
209.0	14.939	35.998	26.772	43.4	0.0	0.0	0.0	0.0
210.0	14.923	35.997	26.774	43.8	0.0	0.0	0.0	0.0
211.0	14.909	35.993	26.775	44.4	0.0	0.0	0.0	0.0
212.0	14.862	35.991	26.783	44.4	0.0	0.0	0.0	0.0
213.0	14.824	35.984	26.786	45.0	0.0	0.0	0.0	0.0
214.0	14.790	35.979	26.790	45.2	0.0	0.0	0.0	0.0
215.0	14.750	35.973	26.794	44.5	0.0	0.0	0.0	0.0
216.0	14.730	35.968	26.795	43.9	0.0	0.0	0.0	0.0
217.0	14.723	35.966	26.795	43.4	0.0	0.0	0.0	0.0
218.0	14.705	35.961	26.795	42.9	0.0	0.0	0.0	0.0
219.0	14.656	35.961	26.806	43.0	0.0	0.0	0.0	0.0
220.0	14.574	35.956	26.820	43.3	0.0	0.0	0.0	0.0
221.0	14.500	35.955	26.835	43.5	0.0	0.0	0.0	0.0
222.0	14.357	35.931	26.848	43.5	0.0	0.0	0.0	0.0
223.0	14.239	35.907	26.854	44.1	0.0	0.0	0.0	0.0
224.0	14.192	35.893	26.853	44.3	0.0	0.0	0.0	0.0
225.0	14.152	35.884	26.855	43.9	0.0	0.0	0.0	0.0
226.0	14.111	35.876	26.857	43.4	0.0	0.0	0.0	0.0
227.0	14.039	35.858	26.859	43.1	0.0	0.0	0.0	0.0
228.0	13.924	35.855	26.882	42.8	0.0	0.0	0.0	0.0
229.0	13.785	35.840	26.899	42.7	0.0	0.0	0.0	0.0
230.0	13.719	35.819	26.897	43.1	0.0	0.0	0.0	0.0
231.0	13.642	35.793	26.893	43.6	0.0	0.0	0.0	0.0
232.0	13.626	35.797	26.899	43.8	0.0	0.0	0.0	0.0
233.0	13.611	35.800	26.905	44.0	0.0	0.0	0.0	0.0
234.0	13.421	35.779	26.927	43.3	0.0	0.0	0.0	0.0
235.0	13.311	35.759	26.935	44.1	0.0	0.0	0.0	0.0
236.0	13.192	35.735	26.941	44.3	0.0	0.0	0.0	0.0
237.0	13.179	35.734	26.943	44.3	0.0	0.0	0.0	0.0
238.0	13.162	35.729	26.942	44.2	0.0	0.0	0.0	0.0
239.0	13.140	35.722	26.941	44.5	0.0	0.0	0.0	0.0

Station: 31
 Cruise : 61-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.55 N
 Longitude 93 51.68 W
 Time: Year Day Hour Minute
 1961 197 19 59

Depth m	Temp deg C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
240.0	13.121	35.717	26.941	44.7	0.0	0.0	0.0	0.0
241.0	13.113	35.716	26.942	44.7	0.0	0.0	0.0	0.0
242.0	13.111	35.716	26.942	44.8	0.0	0.0	0.0	0.0
243.0	13.109	35.716	26.943	44.6	0.0	0.0	0.0	0.0
244.0	13.107	35.714	26.942	44.4	0.0	0.0	0.0	0.0
245.0	13.104	35.713	26.942	44.0	0.0	0.0	0.0	0.0
246.0	13.101	35.713	26.943	44.1	0.0	0.0	0.0	0.0
247.0	13.092	35.713	26.944	43.7	0.0	0.0	0.0	0.0
248.0	13.081	35.715	26.948	43.4	0.0	0.0	0.0	0.0
249.0	13.046	35.707	26.949	43.6	0.0	0.0	0.0	0.0
250.0	13.016	35.701	26.950	44.6	0.0	0.0	0.0	0.0
251.0	12.994	35.712	26.963	44.5	0.0	0.0	0.0	0.0
252.0	12.943	35.702	26.965	44.0	0.0	0.0	0.0	0.0
253.0	12.904	35.683	26.959	43.5	0.0	0.0	0.0	0.0
254.0	12.897	35.682	26.959	43.2	0.0	0.0	0.0	0.0
255.0	12.895	35.680	26.958	43.5	0.0	0.0	0.0	0.0
256.0	12.871	35.680	26.963	43.8	0.0	0.0	0.0	0.0
257.0	12.845	35.678	26.967	43.9	0.0	0.0	0.0	0.0
258.0	12.832	35.673	26.966	43.9	0.0	0.0	0.0	0.0
259.0	12.824	35.668	26.963	44.0	0.0	0.0	0.0	0.0
260.0	12.786	35.660	26.965	44.2	0.0	0.0	0.0	0.0
261.0	12.744	35.659	26.973	44.4	0.0	0.0	0.0	0.0
262.0	12.715	35.653	26.973	44.3	0.0	0.0	0.0	0.0
263.0	12.694	35.653	26.973	43.8	0.0	0.0	0.0	0.0
264.0	12.678	35.651	26.979	43.2	0.0	0.0	0.0	0.0
265.0	12.701	35.646	26.986	42.7	0.0	0.0	0.0	0.0
266.0	12.672	35.647	26.978	43.1	0.0	0.0	0.0	0.0

Station: 32
 Cruise : SI-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.40 N
 Longitude 93 55.53 W
 Time: Year Day Hour Minute
 1981 197 20 56

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirrec deg
2.0	30.038	36.129	22.580	55.3	0.0	0.0	0.0	0.0
3.0	29.752	36.139	22.585	55.1	0.0	0.0	0.0	0.0
4.0	29.608	36.138	22.717	55.5	0.0	0.0	0.0	0.0
5.0	29.514	36.142	22.735	55.9	0.0	0.0	0.0	0.0
6.0	29.597	36.145	22.744	56.3	0.0	0.0	0.0	0.0
7.0	29.577	36.154	22.757	56.8	0.0	0.0	0.0	0.0
8.0	29.575	36.148	22.753	57.1	0.0	0.0	0.0	0.0
9.0	29.573	36.142	22.749	57.5	0.0	0.0	0.0	0.0
10.0	29.571	36.135	22.745	57.8	0.0	0.0	0.0	0.0
11.0	29.548	36.129	22.740	58.2	0.0	0.0	0.0	0.0
12.0	29.521	36.116	22.747	58.3	0.0	0.0	0.0	0.0
13.0	29.482	36.112	22.757	58.0	0.0	0.0	0.0	0.0
14.0	29.427	36.131	22.790	57.6	0.0	0.0	0.0	0.0
15.0	29.374	36.151	22.823	57.2	0.0	0.0	0.0	0.0
16.0	29.345	36.189	22.861	56.5	0.0	0.0	0.0	0.0
17.0	29.298	36.242	22.917	56.7	0.0	0.0	0.0	0.0
18.0	29.261	36.288	22.960	56.5	0.0	0.0	0.0	0.0
19.0	29.246	36.288	22.965	56.8	0.0	0.0	0.0	0.0
20.0	29.228	36.286	22.975	56.3	0.0	0.0	0.0	0.0
21.0	29.199	36.288	22.985	55.8	0.0	0.0	0.0	0.0
22.0	29.182	36.294	22.995	55.6	0.0	0.0	0.0	0.0
23.0	29.188	36.301	23.015	55.6	0.0	0.0	0.0	0.0
24.0	29.096	36.307	23.034	56.0	0.0	0.0	0.0	0.0
25.0	28.986	36.305	23.086	55.4	0.0	0.0	0.0	0.0
26.0	28.750	36.311	23.158	54.9	0.0	0.0	0.0	0.0
27.0	28.574	36.324	23.222	54.7	0.0	0.0	0.0	0.0
28.0	28.450	36.319	23.259	54.7	0.0	0.0	0.0	0.0
29.0	28.309	36.308	23.298	54.9	0.0	0.0	0.0	0.0
30.0	28.175	36.293	23.330	55.0	0.0	0.0	0.0	0.0
31.0	28.119	36.288	23.345	54.7	0.0	0.0	0.0	0.0
32.0	28.031	36.283	23.370	54.1	0.0	0.0	0.0	0.0
33.0	27.977	36.290	23.394	54.1	0.0	0.0	0.0	0.0
34.0	27.929	36.298	23.415	54.1	0.0	0.0	0.0	0.0
35.0	27.910	36.305	23.426	54.4	0.0	0.0	0.0	0.0
36.0	27.753	36.292	23.468	54.1	0.0	0.0	0.0	0.0
37.0	27.588	36.312	23.553	53.5	0.0	0.0	0.0	0.0
38.0	27.282	36.265	23.612	53.0	0.0	0.0	0.0	0.0
39.0	26.970	36.251	23.690	52.6	0.0	0.0	0.0	0.0
40.0	26.632	36.217	23.772	52.4	0.0	0.0	0.0	0.0
41.0	26.251	36.194	23.876	52.3	0.0	0.0	0.0	0.0
42.0	26.027	36.214	23.961	51.9	0.0	0.0	0.0	0.0
43.0	25.557	36.209	24.104	51.5	0.0	0.0	0.0	0.0
44.0	25.124	36.200	24.230	51.1	0.0	0.0	0.0	0.0
45.0	24.670	36.326	24.464	51.2	0.0	0.0	0.0	0.0
46.0	24.401	36.352	24.564	51.0	0.0	0.0	0.0	0.0
47.0	24.137	36.372	24.658	51.0	0.0	0.0	0.0	0.0
48.0	23.982	36.373	24.706	50.9	0.0	0.0	0.0	0.0
49.0	23.796	36.364	24.754	51.0	0.0	0.0	0.0	0.0
50.0	23.679	36.365	24.789	51.0	0.0	0.0	0.0	0.0
51.0	23.521	36.367	24.837	50.8	0.0	0.0	0.0	0.0
52.0	23.406	36.367	24.871	50.5	0.0	0.0	0.0	0.0
53.0	23.293	36.368	24.905	50.1	0.0	0.0	0.0	0.0
54.0	23.142	36.358	24.941	49.8	0.0	0.0	0.0	0.0
55.0	22.972	36.344	24.980	49.6	0.0	0.0	0.0	0.0
56.0	22.878	36.329	24.996	49.1	0.0	0.0	0.0	0.0
57.0	22.624	36.314	25.037	48.9	0.0	0.0	0.0	0.0
58.0	22.368	36.305	25.123	48.8	0.0	0.0	0.0	0.0
59.0	22.191	36.305	25.174	48.3	0.0	0.0	0.0	0.0
60.0	21.991	36.315	25.238	48.5	0.0	0.0	0.0	0.0
61.0	21.828	36.314	25.283	48.2	0.0	0.0	0.0	0.0

Station: 32
 Cruise : 81-N3-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.40 N
 Longitude 93 55.83 W
 Time: Year Day Hour Minute
 1981 197 20 56

Depth m	Temp des C	Sal PPT	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
62.0	21.734	36.308	25.305	48.0	0.0	0.0	0.0	0.0
63.0	21.681	36.315	25.325	48.1	0.0	0.0	0.0	0.0
64.0	21.632	36.324	25.345	47.9	0.0	0.0	0.0	0.0
65.0	21.580	36.324	25.371	47.7	0.0	0.0	0.0	0.0
66.0	21.428	36.330	25.407	47.8	0.0	0.0	0.0	0.0
67.0	21.242	36.332	25.459	47.9	0.0	0.0	0.0	0.0
68.0	21.069	36.333	25.508	47.5	0.0	0.0	0.0	0.0
69.0	20.933	36.329	25.542	47.1	0.0	0.0	0.0	0.0
70.0	20.846	36.330	25.566	47.3	0.0	0.0	0.0	0.0
71.0	20.790	36.325	25.578	47.1	0.0	0.0	0.0	0.0
72.0	20.774	36.315	25.575	47.2	0.0	0.0	0.0	0.0
73.0	20.737	36.311	25.581	46.8	0.0	0.0	0.0	0.0
74.0	20.700	36.337	25.611	46.4	0.0	0.0	0.0	0.0
75.0	20.667	36.360	25.633	45.9	0.0	0.0	0.0	0.0
76.0	20.641	36.373	25.659	45.5	0.0	0.0	0.0	0.0
77.0	20.631	36.384	25.666	44.9	0.0	0.0	0.0	0.0
78.0	20.624	36.386	25.669	44.7	0.0	0.0	0.0	0.0
79.0	20.620	36.383	25.672	44.1	0.0	0.0	0.0	0.0
80.0	20.616	36.389	25.673	43.5	0.0	0.0	0.0	0.0
81.0	20.615	36.388	25.673	43.2	0.0	0.0	0.0	0.0
82.0	20.597	36.392	25.681	43.5	0.0	0.0	0.0	0.0
83.0	20.579	36.397	25.689	43.8	0.0	0.0	0.0	0.0
84.0	20.560	36.398	25.696	44.2	0.0	0.0	0.0	0.0
85.0	20.541	36.399	25.701	44.7	0.0	0.0	0.0	0.0
86.0	20.523	36.400	25.706	45.6	0.0	0.0	0.0	0.0
87.0	20.511	36.401	25.711	46.2	0.0	0.0	0.0	0.0
88.0	20.457	36.404	25.728	46.9	0.0	0.0	0.0	0.0
89.0	20.388	36.405	25.747	47.4	0.0	0.0	0.0	0.0
90.0	20.303	36.410	25.774	47.6	0.0	0.0	0.0	0.0
91.0	20.230	36.403	25.788	46.8	0.0	0.0	0.0	0.0
92.0	20.171	36.393	25.796	45.7	0.0	0.0	0.0	0.0
93.0	20.125	36.395	25.810	45.0	0.0	0.0	0.0	0.0
94.0	20.102	36.400	25.820	45.0	0.0	0.0	0.0	0.0
95.0	20.087	36.397	25.822	45.6	0.0	0.0	0.0	0.0
96.0	20.041	36.399	25.835	46.4	0.0	0.0	0.0	0.0
97.0	19.975	36.407	25.859	46.0	0.0	0.0	0.0	0.0
98.0	19.917	36.413	25.879	45.4	0.0	0.0	0.0	0.0
99.0	19.864	36.414	25.893	45.2	0.0	0.0	0.0	0.0
100.0	19.786	36.408	25.910	44.6	0.0	0.0	0.0	0.0
101.0	19.720	36.405	25.925	44.3	0.0	0.0	0.0	0.0
102.0	19.649	36.406	25.944	44.4	0.0	0.0	0.0	0.0
103.0	19.564	36.410	25.970	44.7	0.0	0.0	0.0	0.0
104.0	19.477	36.414	25.996	45.0	0.0	0.0	0.0	0.0
105.0	19.431	36.415	26.008	44.8	0.0	0.0	0.0	0.0
106.0	19.368	36.408	26.019	44.9	0.0	0.0	0.0	0.0
107.0	19.305	36.401	26.030	45.0	0.0	0.0	0.0	0.0
108.0	19.260	36.412	26.050	44.7	0.0	0.0	0.0	0.0
109.0	19.214	36.423	26.071	44.4	0.0	0.0	0.0	0.0
110.0	19.160	36.422	26.084	43.7	0.0	0.0	0.0	0.0
111.0	19.080	36.425	26.107	43.9	0.0	0.0	0.0	0.0
112.0	18.991	36.429	26.133	44.1	0.0	0.0	0.0	0.0
113.0	18.909	36.443	26.164	44.5	0.0	0.0	0.0	0.0
114.0	18.856	36.451	26.184	44.6	0.0	0.0	0.0	0.0
115.0	18.826	36.457	26.196	45.0	0.0	0.0	0.0	0.0
116.0	18.804	36.461	26.205	44.9	0.0	0.0	0.0	0.0
117.0	18.777	36.465	26.215	44.4	0.0	0.0	0.0	0.0
118.0	18.737	36.465	26.225	43.5	0.0	0.0	0.0	0.0
119.0	18.698	36.449	26.223	43.1	0.0	0.0	0.0	0.0
120.0	18.672	36.428	26.214	42.6	0.0	0.0	0.0	0.0
121.0	18.697	36.401	26.186	42.3	0.0	0.0	0.0	0.0

Station: 37
 Cruise : 81-NE-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.40 N
 Longitude 93 55.88 W
 Time: Year Day Hour Minute
 1981 197 20 56

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
122.0	18.687	36.403	26.191	42.3	0.0	0.0	0.0	0.0
123.0	18.678	36.406	26.195	42.4	0.0	0.0	0.0	0.0
124.0	18.669	36.408	26.199	42.4	0.0	0.0	0.0	0.0
125.0	18.660	36.410	26.203	42.4	0.0	0.0	0.0	0.0
126.0	18.650	36.413	26.207	42.4	0.0	0.0	0.0	0.0
127.0	18.641	36.415	26.211	42.4	0.0	0.0	0.0	0.0
128.0	18.632	36.417	26.216	42.4	0.0	0.0	0.0	0.0
129.0	18.623	36.420	26.220	42.4	0.0	0.0	0.0	0.0
130.0	18.613	36.422	26.224	42.4	0.0	0.0	0.0	0.0
131.0	18.604	36.425	26.228	42.5	0.0	0.0	0.0	0.0
132.0	18.595	36.427	26.232	42.5	0.0	0.0	0.0	0.0
133.0	18.586	36.429	26.236	42.5	0.0	0.0	0.0	0.0
134.0	18.576	36.432	26.241	42.5	0.0	0.0	0.0	0.0
135.0	18.567	36.434	26.245	42.5	0.0	0.0	0.0	0.0
136.0	18.558	36.436	26.249	42.5	0.0	0.0	0.0	0.0
137.0	18.049	36.402	26.350	42.4	0.0	0.0	0.0	0.0
138.0	18.037	36.404	26.355	42.5	0.0	0.0	0.0	0.0
139.0	17.486	36.378	26.422	42.7	0.0	0.0	0.0	0.0
140.0	17.502	36.364	26.456	42.7	0.0	0.0	0.0	0.0
141.0	17.499	36.362	26.456	42.8	0.0	0.0	0.0	0.0
142.0	17.496	36.361	26.456	42.7	0.0	0.0	0.0	0.0
143.0	17.495	36.360	26.455	42.7	0.0	0.0	0.0	0.0
144.0	17.492	36.360	26.455	42.9	0.0	0.0	0.0	0.0
145.0	17.485	36.359	26.456	43.2	0.0	0.0	0.0	0.0
146.0	17.472	36.357	26.458	43.9	0.0	0.0	0.0	0.0
147.0	17.457	36.357	26.462	44.4	0.0	0.0	0.0	0.0
148.0	17.426	36.354	26.467	44.4	0.0	0.0	0.0	0.0
149.0	17.366	36.350	26.474	44.4	0.0	0.0	0.0	0.0
150.0	17.358	36.347	26.479	44.1	0.0	0.0	0.0	0.0
151.0	17.316	36.343	26.485	43.6	0.0	0.0	0.0	0.0
152.0	17.286	36.339	26.489	43.4	0.0	0.0	0.0	0.0
153.0	17.263	36.337	26.493	43.2	0.0	0.0	0.0	0.0
154.0	17.248	36.334	26.495	42.9	0.0	0.0	0.0	0.0
155.0	17.211	36.330	26.501	43.5	0.0	0.0	0.0	0.0
156.0	17.125	36.319	26.513	44.2	0.0	0.0	0.0	0.0
157.0	17.006	36.305	26.531	44.5	0.0	0.0	0.0	0.0
158.0	16.921	36.294	26.543	44.5	0.0	0.0	0.0	0.0
159.0	16.861	36.287	26.552	44.7	0.0	0.0	0.0	0.0
160.0	16.822	36.281	26.556	44.6	0.0	0.0	0.0	0.0
161.0	16.794	36.275	26.558	44.1	0.0	0.0	0.0	0.0
162.0	16.759	36.270	26.563	43.4	0.0	0.0	0.0	0.0
163.0	16.717	36.264	26.568	43.0	0.0	0.0	0.0	0.0
164.0	16.656	36.257	26.578	43.0	0.0	0.0	0.0	0.0
165.0	16.608	36.251	26.584	42.9	0.0	0.0	0.0	0.0
166.0	16.568	36.248	26.592	42.9	0.0	0.0	0.0	0.0
167.0	16.544	36.243	26.593	43.0	0.0	0.0	0.0	0.0
168.0	16.515	36.237	26.595	43.0	0.0	0.0	0.0	0.0
169.0	16.484	36.232	26.599	43.3	0.0	0.0	0.0	0.0
170.0	16.449	36.231	26.606	43.5	0.0	0.0	0.0	0.0
171.0	16.419	36.227	26.610	43.7	0.0	0.0	0.0	0.0
172.0	16.393	36.223	26.613	43.9	0.0	0.0	0.0	0.0
173.0	16.378	36.219	26.614	43.8	0.0	0.0	0.0	0.0
174.0	16.351	36.215	26.617	43.7	0.0	0.0	0.0	0.0
175.0	16.312	36.210	26.623	43.9	0.0	0.0	0.0	0.0
176.0	16.267	36.205	26.629	44.1	0.0	0.0	0.0	0.0
177.0	16.219	36.197	26.634	43.8	0.0	0.0	0.0	0.0
178.0	16.184	36.190	26.637	43.9	0.0	0.0	0.0	0.0
179.0	16.143	36.185	26.642	43.5	0.0	0.0	0.0	0.0
180.0	16.098	36.178	26.648	43.1	0.0	0.0	0.0	0.0
181.0	16.055	36.173	26.654	43.1	0.0	0.0	0.0	0.0

Station: 32
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.40 N
 Longitude 93 55.83 W
 Time: Year Day Hour Minute
 1981 197 20 56

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
182.0	16.033	36.171	26.657	43.4	0.0	0.0	0.0	0.0
183.0	15.993	36.167	26.664	43.9	0.0	0.0	0.0	0.0
184.0	15.936	36.156	26.668	44.7	0.0	0.0	0.0	0.0
185.0	15.899	36.149	26.671	45.3	0.0	0.0	0.0	0.0
186.0	15.891	36.145	26.671	45.5	0.0	0.0	0.0	0.0
187.0	15.885	36.141	26.669	45.8	0.0	0.0	0.0	0.0
188.0	15.875	36.141	26.671	45.7	0.0	0.0	0.0	0.0
189.0	15.866	36.141	26.673	45.5	0.0	0.0	0.0	0.0
190.0	15.771	36.130	26.686	45.3	0.0	0.0	0.0	0.0
191.0	15.748	36.129	26.691	45.2	0.0	0.0	0.0	0.0
192.0	15.591	36.109	26.711	45.0	0.0	0.0	0.0	0.0
193.0	15.556	36.101	26.713	44.7	0.0	0.0	0.0	0.0
194.0	15.539	36.095	26.712	44.4	0.0	0.0	0.0	0.0
195.0	15.529	36.092	26.712	44.4	0.0	0.0	0.0	0.0
196.0	15.513	36.090	26.714	44.8	0.0	0.0	0.0	0.0
197.0	15.495	36.088	26.716	44.8	0.0	0.0	0.0	0.0
198.0	15.472	36.084	26.719	44.7	0.0	0.0	0.0	0.0
199.0	15.425	36.073	26.725	44.5	0.0	0.0	0.0	0.0
200.0	15.362	36.071	26.733	44.3	0.0	0.0	0.0	0.0
201.0	15.308	36.065	26.741	43.9	0.0	0.0	0.0	0.0
202.0	15.249	36.055	26.747	43.4	0.0	0.0	0.0	0.0
203.0	15.211	36.047	26.749	43.2	0.0	0.0	0.0	0.0
204.0	15.200	36.043	26.748	43.1	0.0	0.0	0.0	0.0
205.0	15.194	36.040	26.747	43.1	0.0	0.0	0.0	0.0
206.0	15.184	36.039	26.749	43.3	0.0	0.0	0.0	0.0
207.0	15.171	36.037	26.750	43.5	0.0	0.0	0.0	0.0
208.0	15.146	36.034	26.754	43.7	0.0	0.0	0.0	0.0
209.0	15.117	36.032	26.758	43.9	0.0	0.0	0.0	0.0
210.0	15.057	36.024	26.766	43.7	0.0	0.0	0.0	0.0
211.0	14.992	36.014	26.772	43.4	0.0	0.0	0.0	0.0
212.0	14.957	36.008	26.775	43.3	0.0	0.0	0.0	0.0
213.0	14.936	36.003	26.777	43.6	0.0	0.0	0.0	0.0
214.0	14.919	36.000	26.778	44.1	0.0	0.0	0.0	0.0
215.0	14.907	35.997	26.778	44.7	0.0	0.0	0.0	0.0
216.0	14.871	35.988	26.779	44.9	0.0	0.0	0.0	0.0
217.0	14.830	35.986	26.787	44.7	0.0	0.0	0.0	0.0
218.0	14.763	35.978	26.795	44.2	0.0	0.0	0.0	0.0
219.0	14.697	35.968	26.802	43.4	0.0	0.0	0.0	0.0
220.0	14.627	35.960	26.811	43.2	0.0	0.0	0.0	0.0
221.0	14.569	35.950	26.816	43.1	0.0	0.0	0.0	0.0
222.0	14.529	35.943	26.819	43.3	0.0	0.0	0.0	0.0
223.0	14.502	35.941	26.823	43.6	0.0	0.0	0.0	0.0
224.0	14.474	35.935	26.825	43.9	0.0	0.0	0.0	0.0
225.0	14.444	35.928	26.826	44.1	0.0	0.0	0.0	0.0
226.0	14.426	35.923	26.827	44.1	0.0	0.0	0.0	0.0
227.0	14.406	35.920	26.828	44.0	0.0	0.0	0.0	0.0
228.0	14.376	35.916	26.832	43.7	0.0	0.0	0.0	0.0
229.0	14.339	35.914	26.838	43.2	0.0	0.0	0.0	0.0
230.0	14.225	35.899	26.851	42.8	0.0	0.0	0.0	0.0
231.0	14.108	35.881	26.862	42.7	0.0	0.0	0.0	0.0
232.0	14.030	35.870	26.870	42.4	0.0	0.0	0.0	0.0
233.0	13.975	35.859	26.873	42.2	0.0	0.0	0.0	0.0
234.0	13.921	35.849	26.877	42.1	0.0	0.0	0.0	0.0
235.0	13.903	35.847	26.879	41.8	0.0	0.0	0.0	0.0
236.0	13.900	35.845	26.879	41.4	0.0	0.0	0.0	0.0
237.0	13.897	35.844	26.879	41.0	0.0	0.0	0.0	0.0
238.0	13.894	35.843	26.879	40.5	0.0	0.0	0.0	0.0
239.0	13.756	35.825	26.893	40.4	0.0	0.0	0.0	0.0
240.0	13.667	35.811	26.901	40.4	0.0	0.0	0.0	0.0
241.0	13.571	35.796	26.910	40.5	0.0	0.0	0.0	0.0

Station: 32
 Cruise : 31-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.40 N
 Longitude 93 55.83 W
 Time: Year Day Hour Minute
 1961 197 20 56

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
242.0	13.532	35.792	26.914	40.6	0.0	0.0	0.0	0.0
243.0	13.491	35.783	26.917	40.8	0.0	0.0	0.0	0.0
244.0	13.450	35.775	26.919	41.2	0.0	0.0	0.0	0.0
245.0	13.416	35.770	26.922	41.5	0.0	0.0	0.0	0.0
246.0	13.392	35.766	26.923	41.6	0.0	0.0	0.0	0.0
247.0	13.367	35.762	26.925	42.2	0.0	0.0	0.0	0.0
248.0	13.345	35.758	26.927	42.9	0.0	0.0	0.0	0.0
249.0	13.334	35.754	26.927	43.5	0.0	0.0	0.0	0.0
250.0	13.315	35.752	26.928	43.7	0.0	0.0	0.0	0.0
251.0	13.273	35.745	26.931	44.1	0.0	0.0	0.0	0.0
252.0	13.250	35.740	26.933	44.1	0.0	0.0	0.0	0.0
253.0	13.210	35.735	26.937	43.5	0.0	0.0	0.0	0.0
254.0	13.159	35.727	26.941	43.1	0.0	0.0	0.0	0.0
255.0	13.103	35.720	26.946	42.9	0.0	0.0	0.0	0.0
256.0	13.058	35.711	26.950	42.7	0.0	0.0	0.0	0.0
257.0	13.000	35.704	26.955	42.9	0.0	0.0	0.0	0.0
258.0	12.914	35.695	26.965	43.2	0.0	0.0	0.0	0.0
259.0	12.822	35.679	26.972	43.3	0.0	0.0	0.0	0.0
260.0	12.761	35.668	26.976	43.4	0.0	0.0	0.0	0.0
261.0	12.702	35.658	26.980	43.2	0.0	0.0	0.0	0.0
262.0	12.642	35.648	26.984	43.2	0.0	0.0	0.0	0.0
263.0	12.594	35.645	26.992	43.4	0.0	0.0	0.0	0.0
264.0	12.540	35.641	26.999	43.5	0.0	0.0	0.0	0.0
265.0	12.492	35.633	27.002	43.3	0.0	0.0	0.0	0.0
266.0	12.448	35.621	27.002	43.0	0.0	0.0	0.0	0.0
267.0	12.401	35.613	27.005	42.7	0.0	0.0	0.0	0.0
268.0	12.368	35.604	27.004	42.9	0.0	0.0	0.0	0.0
269.0	12.336	35.600	27.008	43.1	0.0	0.0	0.0	0.0
270.0	12.289	35.595	27.013	43.2	0.0	0.0	0.0	0.0
271.0	12.232	35.585	27.016	43.3	0.0	0.0	0.0	0.0
272.0	12.186	35.576	27.018	43.3	0.0	0.0	0.0	0.0
273.0	12.145	35.569	27.021	43.2	0.0	0.0	0.0	0.0
274.0	12.110	35.564	27.024	43.3	0.0	0.0	0.0	0.0
275.0	12.089	35.561	27.026	43.5	0.0	0.0	0.0	0.0
276.0	12.079	35.558	27.025	43.7	0.0	0.0	0.0	0.0
277.0	12.077	35.556	27.024	43.7	0.0	0.0	0.0	0.0
278.0	12.076	35.557	27.025	43.9	0.0	0.0	0.0	0.0
279.0	12.075	35.556	27.025	43.9	0.0	0.0	0.0	0.0
280.0	12.075	35.556	27.024	44.0	0.0	0.0	0.0	0.0
281.0	11.950	35.539	27.035	44.0	0.0	0.0	0.0	0.0
282.0	11.878	35.529	27.041	44.0	0.0	0.0	0.0	0.0
283.0	11.867	35.527	27.042	44.2	0.0	0.0	0.0	0.0
284.0	11.839	35.524	27.045	44.2	0.0	0.0	0.0	0.0
285.0	11.803	35.522	27.050	44.4	0.0	0.0	0.0	0.0
286.0	11.779	35.522	27.055	44.3	0.0	0.0	0.0	0.0
287.0	11.764	35.520	27.056	45.0	0.0	0.0	0.0	0.0
288.0	11.749	35.515	27.055	45.2	0.0	0.0	0.0	0.0
289.0	11.740	35.506	27.050	45.6	0.0	0.0	0.0	0.0
290.0	11.719	35.505	27.053	45.4	0.0	0.0	0.0	0.0
291.0	11.649	35.496	27.059	46.1	0.0	0.0	0.0	0.0
292.0	11.606	35.489	27.062	46.9	0.0	0.0	0.0	0.0
293.0	11.565	35.482	27.065	47.6	0.0	0.0	0.0	0.0
294.0	11.554	35.481	27.065	47.3	0.0	0.0	0.0	0.0
295.0	11.542	35.480	27.067	47.1	0.0	0.0	0.0	0.0
296.0	11.502	35.472	27.068	47.0	0.0	0.0	0.0	0.0
297.0	11.467	35.464	27.069	46.7	0.0	0.0	0.0	0.0
298.0	11.423	35.461	27.074	46.5	0.0	0.0	0.0	0.0
299.0	11.358	35.451	27.080	45.9	0.0	0.0	0.0	0.0
300.0	11.342	35.448	27.079	45.5	0.0	0.0	0.0	0.0
301.0	11.325	35.443	27.079	45.2	0.0	0.0	0.0	0.0

Station: 32
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.40 N
 Longitude 93 55.83 W
 Time: Year Day Hour Minute
 1981 197 20 56

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
302.0	11.290	35.438	27.082	44.7	0.0	0.0	0.0	0.0
303.0	11.249	35.435	27.083	44.5	0.0	0.0	0.0	0.0
304.0	11.265	35.433	27.082	44.5	0.0	0.0	0.0	0.0
305.0	11.255	35.431	27.083	44.7	0.0	0.0	0.0	0.0
306.0	11.238	35.429	27.084	44.7	0.0	0.0	0.0	0.0
307.0	11.207	35.425	27.087	44.6	0.0	0.0	0.0	0.0
308.0	11.176	35.422	27.090	44.4	0.0	0.0	0.0	0.0
309.0	11.145	35.418	27.093	44.1	0.0	0.0	0.0	0.0
310.0	11.119	35.413	27.093	44.2	0.0	0.0	0.0	0.0
311.0	11.103	35.410	27.094	44.8	0.0	0.0	0.0	0.0
312.0	11.102	35.410	27.094	45.5	0.0	0.0	0.0	0.0
313.0	11.101	35.410	27.095	45.9	0.0	0.0	0.0	0.0
314.0	11.099	35.409	27.094	46.3	0.0	0.0	0.0	0.0
315.0	11.097	35.409	27.094	46.8	0.0	0.0	0.0	0.0
316.0	11.093	35.409	27.095	46.8	0.0	0.0	0.0	0.0
317.0	11.082	35.408	27.097	46.4	0.0	0.0	0.0	0.0
318.0	11.068	35.406	27.098	46.0	0.0	0.0	0.0	0.0
319.0	11.056	35.404	27.093	45.8	0.0	0.0	0.0	0.0
320.0	11.049	35.402	27.098	45.6	0.0	0.0	0.0	0.0
321.0	11.045	35.401	27.098	45.5	0.0	0.0	0.0	0.0
322.0	11.042	35.400	27.098	45.2	0.0	0.0	0.0	0.0
323.0	11.041	35.400	27.098	45.4	0.0	0.0	0.0	0.0
324.0	11.039	35.399	27.098	44.9	0.0	0.0	0.0	0.0
325.0	11.034	35.399	27.098	44.4	0.0	0.0	0.0	0.0
326.0	11.025	35.393	27.099	44.4	0.0	0.0	0.0	0.0
327.0	11.005	35.396	27.102	44.3	0.0	0.0	0.0	0.0
328.0	10.986	35.393	27.103	44.1	0.0	0.0	0.0	0.0
329.0	10.969	35.391	27.104	44.1	0.0	0.0	0.0	0.0
330.0	10.944	35.387	27.106	44.2	0.0	0.0	0.0	0.0
331.0	10.916	35.382	27.106	44.0	0.0	0.0	0.0	0.0
332.0	10.901	35.380	27.108	44.5	0.0	0.0	0.0	0.0
333.0	10.881	35.378	27.110	45.0	0.0	0.0	0.0	0.0
334.0	10.869	35.377	27.111	45.0	0.0	0.0	0.0	0.0
335.0	10.843	35.374	27.114	45.2	0.0	0.0	0.0	0.0
336.0	10.787	35.366	27.118	44.9	0.0	0.0	0.0	0.0
337.0	10.754	35.362	27.121	45.0	0.0	0.0	0.0	0.0
338.0	10.712	35.357	27.124	45.1	0.0	0.0	0.0	0.0
339.0	10.684	35.351	27.125	45.1	0.0	0.0	0.0	0.0
340.0	10.664	35.348	27.126	45.4	0.0	0.0	0.0	0.0
341.0	10.648	35.345	27.126	45.2	0.0	0.0	0.0	0.0
342.0	10.626	35.344	27.129	44.7	0.0	0.0	0.0	0.0
343.0	10.601	35.341	27.131	44.6	0.0	0.0	0.0	0.0
344.0	10.579	35.338	27.133	45.2	0.0	0.0	0.0	0.0
345.0	10.569	35.334	27.132	45.2	0.0	0.0	0.0	0.0
346.0	10.565	35.333	27.132	45.3	0.0	0.0	0.0	0.0
347.0	10.560	35.333	27.133	45.0	0.0	0.0	0.0	0.0
348.0	10.554	35.333	27.133	44.5	0.0	0.0	0.0	0.0
349.0	10.547	35.330	27.133	44.1	0.0	0.0	0.0	0.0
350.0	10.539	35.329	27.133	44.2	0.0	0.0	0.0	0.0
351.0	10.527	35.327	27.134	44.3	0.0	0.0	0.0	0.0
352.0	10.511	35.325	27.135	44.1	0.0	0.0	0.0	0.0
353.0	10.490	35.324	27.138	44.1	0.0	0.0	0.0	0.0
354.0	10.473	35.320	27.138	44.2	0.0	0.0	0.0	0.0
355.0	10.443	35.316	27.140	44.3	0.0	0.0	0.0	0.0
356.0	10.401	35.312	27.145	45.1	0.0	0.0	0.0	0.0
357.0	10.366	35.303	27.147	46.2	0.0	0.0	0.0	0.0
358.0	10.346	35.302	27.146	46.0	0.0	0.0	0.0	0.0
359.0	10.331	35.301	27.148	45.2	0.0	0.0	0.0	0.0
360.0	10.311	35.299	27.150	44.8	0.0	0.0	0.0	0.0
361.0	10.283	35.294	27.151	44.5	0.0	0.0	0.0	0.0

Station: 32
 Cruise : SI-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 44.40 N
 Longitude 98 55.83 W
 Time: Year Day Hour Minute
 1981 197 20 56

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
362.0	10.254	35.270	27.188	44.3	0.0	0.0	0.0	0.0
363.0	10.232	35.247	27.183	44.1	0.0	0.0	0.0	0.0
364.0	10.207	35.249	27.148	44.3	0.0	0.0	0.0	0.0
365.0	10.189	35.275	27.161	44.5	0.0	0.0	0.0	0.0
366.0	10.117	35.272	27.163	44.5	0.0	0.0	0.0	0.0
367.0	10.105	35.271	27.164	44.3	0.0	0.0	0.0	0.0
368.0	10.091	35.268	27.164	44.3	0.0	0.0	0.0	0.0
369.0	10.088	35.265	27.164	44.2	0.0	0.0	0.0	0.0
370.0	10.074	35.264	27.164	43.9	0.0	0.0	0.0	0.0
371.0	10.065	35.263	27.165	44.2	0.0	0.0	0.0	0.0
372.0	10.053	35.261	27.166	44.2	0.0	0.0	0.0	0.0
373.0	10.041	35.259	27.166	44.1	0.0	0.0	0.0	0.0
374.0	10.038	35.258	27.166	44.1	0.0	0.0	0.0	0.0
375.0	10.033	35.258	27.168	43.8	0.0	0.0	0.0	0.0
376.0	10.025	35.256	27.167	43.6	0.0	0.0	0.0	0.0
377.0	10.021	35.253	27.165	43.4	0.0	0.0	0.0	0.0
378.0	10.018	35.255	27.167	43.0	0.0	0.0	0.0	0.0
379.0	10.004	35.252	27.167	42.8	0.0	0.0	0.0	0.0
380.0	9.977	35.249	27.169	42.8	0.0	0.0	0.0	0.0
381.0	9.964	35.249	27.171	43.3	0.0	0.0	0.0	0.0
382.0	9.948	35.248	27.173	44.0	0.0	0.0	0.0	0.0
383.0	9.918	35.243	27.175	44.0	0.0	0.0	0.0	0.0
384.0	9.885	35.239	27.183	43.3	0.0	0.0	0.0	0.0
385.0	9.790	35.236	27.191	43.0	0.0	0.0	0.0	0.0
386.0	9.743	35.231	27.195	44.0	0.0	0.0	0.0	0.0
387.0	9.723	35.221	27.191	45.2	0.0	0.0	0.0	0.0
388.0	9.722	35.215	27.185	45.4	0.0	0.0	0.0	0.0
389.0	9.715	35.216	27.187	44.0	0.0	0.0	0.0	0.0

Station: 33
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 46.99 N
 Longitude 93 05.97 W
 Time: Year Day Hour Minute
 1981 197 21 49

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac des
2.0	30.497	36.170	22.452	56.7	0.0	0.0	0.0	0.0
3.0	30.293	36.167	22.521	55.1	0.0	0.0	0.0	0.0
4.0	30.026	36.160	22.583	53.9	0.0	0.0	0.0	0.0
5.0	29.881	36.137	22.640	54.1	0.0	0.0	0.0	0.0
6.0	29.711	36.124	22.688	54.3	0.0	0.0	0.0	0.0
7.0	29.601	36.116	22.719	54.4	0.0	0.0	0.0	0.0
8.0	29.584	36.115	22.725	54.9	0.0	0.0	0.0	0.0
9.0	29.573	36.115	22.728	55.3	0.0	0.0	0.0	0.0
10.0	29.565	36.113	22.730	56.0	0.0	0.0	0.0	0.0
11.0	29.552	36.113	22.734	56.3	0.0	0.0	0.0	0.0
12.0	29.536	36.112	22.738	56.7	0.0	0.0	0.0	0.0
13.0	29.511	36.109	22.745	57.2	0.0	0.0	0.0	0.0
14.0	29.486	36.110	22.754	56.9	0.0	0.0	0.0	0.0
15.0	29.462	36.113	22.765	55.9	0.0	0.0	0.0	0.0
16.0	29.430	36.107	22.771	55.8	0.0	0.0	0.0	0.0
17.0	29.396	36.104	22.780	55.6	0.0	0.0	0.0	0.0
18.0	29.350	36.109	22.799	55.2	0.0	0.0	0.0	0.0
19.0	29.243	36.132	22.853	55.1	0.0	0.0	0.0	0.0
20.0	29.129	36.159	22.912	55.2	0.0	0.0	0.0	0.0
21.0	29.014	36.187	22.972	55.6	0.0	0.0	0.0	0.0
22.0	28.898	36.199	23.020	55.5	0.0	0.0	0.0	0.0
23.0	28.727	36.214	23.088	55.6	0.0	0.0	0.0	0.0
24.0	28.595	36.221	23.137	55.4	0.0	0.0	0.0	0.0
25.0	28.511	36.234	23.174	54.9	0.0	0.0	0.0	0.0
26.0	28.430	36.236	23.203	54.2	0.0	0.0	0.0	0.0
27.0	28.344	36.234	23.230	53.7	0.0	0.0	0.0	0.0
28.0	28.302	36.233	23.243	53.7	0.0	0.0	0.0	0.0
29.0	28.275	36.228	23.248	53.7	0.0	0.0	0.0	0.0
30.0	28.248	36.226	23.256	53.7	0.0	0.0	0.0	0.0
31.0	28.198	36.227	23.274	53.6	0.0	0.0	0.0	0.0
32.0	28.150	36.235	23.295	53.6	0.0	0.0	0.0	0.0
33.0	28.101	36.241	23.315	53.4	0.0	0.0	0.0	0.0
34.0	28.058	36.248	23.335	53.1	0.0	0.0	0.0	0.0
35.0	28.020	36.248	23.347	53.2	0.0	0.0	0.0	0.0
36.0	27.987	36.262	23.369	53.5	0.0	0.0	0.0	0.0
37.0	27.958	36.233	23.393	53.4	0.0	0.0	0.0	0.0
38.0	27.842	36.291	23.438	53.3	0.0	0.0	0.0	0.0
39.0	27.584	36.280	23.514	53.2	0.0	0.0	0.0	0.0
40.0	27.056	36.285	23.688	52.6	0.0	0.0	0.0	0.0
41.0	26.371	36.290	23.910	51.3	0.0	0.0	0.0	0.0
42.0	25.891	36.295	24.065	51.9	0.0	0.0	0.0	0.0
43.0	25.435	36.308	24.216	52.2	0.0	0.0	0.0	0.0
44.0	24.995	36.333	24.370	52.1	0.0	0.0	0.0	0.0
45.0	24.693	36.348	24.473	51.8	0.0	0.0	0.0	0.0
46.0	24.395	36.358	24.571	52.1	0.0	0.0	0.0	0.0
47.0	24.178	36.362	24.639	51.9	0.0	0.0	0.0	0.0
48.0	23.929	36.366	24.716	51.7	0.0	0.0	0.0	0.0
49.0	23.717	36.372	24.783	51.4	0.0	0.0	0.0	0.0
50.0	23.571	36.366	24.822	51.9	0.0	0.0	0.0	0.0
51.0	23.491	36.371	24.849	51.8	0.0	0.0	0.0	0.0
52.0	23.436	36.376	24.869	51.7	0.0	0.0	0.0	0.0
53.0	23.405	36.374	24.876	51.4	0.0	0.0	0.0	0.0
54.0	23.371	36.361	24.877	51.6	0.0	0.0	0.0	0.0
55.0	23.356	36.363	24.883	51.2	0.0	0.0	0.0	0.0
56.0	23.341	36.365	24.888	50.7	0.0	0.0	0.0	0.0
57.0	23.325	36.366	24.894	50.3	0.0	0.0	0.0	0.0
58.0	23.036	36.356	24.971	49.9	0.0	0.0	0.0	0.0
59.0	22.905	36.353	25.006	49.4	0.0	0.0	0.0	0.0
60.0	22.766	36.352	25.045	49.3	0.0	0.0	0.0	0.0
61.0	22.597	36.348	25.090	49.2	0.0	0.0	0.0	0.0

Station: 33
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 46.99 N
 Longitude 93 55.97 W
 Time: Year Day Hour Minute
 1981 197 21 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	22.574	36.345	25.096	48.9	0.0	0.0	0.0	0.0
63.0	22.558	36.343	25.099	48.7	0.0	0.0	0.0	0.0
64.0	22.539	36.344	25.105	48.3	0.0	0.0	0.0	0.0
65.0	22.495	36.319	25.098	47.8	0.0	0.0	0.0	0.0
66.0	22.275	36.293	25.141	47.3	0.0	0.0	0.0	0.0
67.0	22.033	36.283	25.201	46.8	0.0	0.0	0.0	0.0
68.0	21.717	36.276	25.285	46.4	0.0	0.0	0.0	0.0
69.0	21.528	36.284	25.344	46.4	0.0	0.0	0.0	0.0
70.0	21.345	36.287	25.397	46.7	0.0	0.0	0.0	0.0
71.0	21.210	36.297	25.442	46.7	0.0	0.0	0.0	0.0
72.0	21.111	36.326	25.491	46.6	0.0	0.0	0.0	0.0
73.0	21.049	36.345	25.522	46.3	0.0	0.0	0.0	0.0
74.0	21.022	36.352	25.535	46.2	0.0	0.0	0.0	0.0
75.0	21.000	36.355	25.543	46.3	0.0	0.0	0.0	0.0
76.0	20.982	36.355	25.543	46.1	0.0	0.0	0.0	0.0
77.0	20.953	36.353	25.554	45.4	0.0	0.0	0.0	0.0
78.0	20.923	36.356	25.565	45.5	0.0	0.0	0.0	0.0
79.0	20.893	36.359	25.576	45.8	0.0	0.0	0.0	0.0
80.0	20.857	36.364	25.589	46.0	0.0	0.0	0.0	0.0
81.0	20.823	36.367	25.601	45.6	0.0	0.0	0.0	0.0
82.0	20.773	36.373	25.619	44.8	0.0	0.0	0.0	0.0
83.0	20.730	36.376	25.633	44.4	0.0	0.0	0.0	0.0
84.0	20.682	36.377	25.646	44.2	0.0	0.0	0.0	0.0
85.0	20.613	36.362	25.654	43.2	0.0	0.0	0.0	0.0
86.0	20.480	36.373	25.698	42.7	0.0	0.0	0.0	0.0
87.0	20.397	36.384	25.729	42.5	0.0	0.0	0.0	0.0
88.0	20.354	36.397	25.750	42.4	0.0	0.0	0.0	0.0
89.0	20.342	36.391	25.749	42.8	0.0	0.0	0.0	0.0
90.0	20.307	36.379	25.749	43.0	0.0	0.0	0.0	0.0
91.0	20.253	36.370	25.757	43.6	0.0	0.0	0.0	0.0
92.0	20.164	36.369	25.780	43.9	0.0	0.0	0.0	0.0
93.0	20.092	36.370	25.799	44.2	0.0	0.0	0.0	0.0
94.0	20.021	36.368	25.817	44.0	0.0	0.0	0.0	0.0
95.0	19.957	36.364	25.831	44.0	0.0	0.0	0.0	0.0
96.0	19.879	36.364	25.851	43.8	0.0	0.0	0.0	0.0
97.0	19.762	36.377	25.892	43.7	0.0	0.0	0.0	0.0
98.0	19.686	36.381	25.915	43.3	0.0	0.0	0.0	0.0
99.0	19.635	36.375	25.924	43.3	0.0	0.0	0.0	0.0
100.0	19.592	36.386	25.944	43.6	0.0	0.0	0.0	0.0
101.0	19.523	36.400	25.973	43.9	0.0	0.0	0.0	0.0
102.0	19.470	36.410	25.995	43.9	0.0	0.0	0.0	0.0
103.0	19.419	36.410	26.007	43.9	0.0	0.0	0.0	0.0
104.0	19.369	36.410	26.021	43.8	0.0	0.0	0.0	0.0
105.0	19.309	36.413	26.038	43.6	0.0	0.0	0.0	0.0
106.0	19.264	36.419	26.054	43.5	0.0	0.0	0.0	0.0
107.0	19.222	36.429	26.073	43.3	0.0	0.0	0.0	0.0
108.0	19.178	36.436	26.090	43.2	0.0	0.0	0.0	0.0
109.0	19.142	36.433	26.097	43.0	0.0	0.0	0.0	0.0
110.0	19.071	36.434	26.116	43.4	0.0	0.0	0.0	0.0
111.0	19.004	36.435	26.134	43.7	0.0	0.0	0.0	0.0
112.0	18.937	36.421	26.141	43.5	0.0	0.0	0.0	0.0
113.0	18.871	36.414	26.152	43.4	0.0	0.0	0.0	0.0
114.0	18.792	36.411	26.170	43.3	0.0	0.0	0.0	0.0
115.0	18.768	36.402	26.169	43.3	0.0	0.0	0.0	0.0
116.0	18.745	36.384	26.161	43.7	0.0	0.0	0.0	0.0
117.0	18.719	36.385	26.168	43.4	0.0	0.0	0.0	0.0
118.0	18.694	36.386	26.176	43.1	0.0	0.0	0.0	0.0
119.0	18.668	36.387	26.183	42.8	0.0	0.0	0.0	0.0
120.0	18.642	36.388	26.191	42.5	0.0	0.0	0.0	0.0
121.0	18.515	36.389	26.223	42.5	0.0	0.0	0.0	0.0

Station: 33
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 46.99 N
 Longitude 93 55.97 W
 Time: Year Day Hour Minute
 1981 197 21 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
122.0	18.452	36.393	26.243	42.3	0.0	0.0	0.0	0.0
123.0	18.385	36.399	26.276	42.3	0.0	0.0	0.0	0.0
124.0	18.288	36.407	26.296	42.2	0.0	0.0	0.0	0.0
125.0	18.251	36.409	26.306	42.2	0.0	0.0	0.0	0.0
126.0	18.226	36.409	26.309	42.3	0.0	0.0	0.0	0.0
127.0	18.220	36.408	26.312	42.5	0.0	0.0	0.0	0.0
128.0	18.184	36.407	26.321	42.7	0.0	0.0	0.0	0.0
129.0	18.127	36.406	26.334	42.9	0.0	0.0	0.0	0.0
130.0	18.062	36.406	26.350	43.0	0.0	0.0	0.0	0.0
131.0	18.005	36.411	26.368	43.3	0.0	0.0	0.0	0.0
132.0	17.983	36.411	26.374	43.4	0.0	0.0	0.0	0.0
133.0	17.959	36.410	26.379	43.4	0.0	0.0	0.0	0.0
134.0	17.936	36.405	26.381	43.1	0.0	0.0	0.0	0.0
135.0	17.865	36.401	26.395	43.3	0.0	0.0	0.0	0.0
136.0	17.800	36.397	26.408	43.4	0.0	0.0	0.0	0.0
137.0	17.779	36.394	26.411	43.6	0.0	0.0	0.0	0.0
138.0	17.726	36.389	26.421	43.6	0.0	0.0	0.0	0.0
139.0	17.676	36.383	26.428	43.6	0.0	0.0	0.0	0.0
140.0	17.650	36.380	26.432	43.6	0.0	0.0	0.0	0.0
141.0	17.615	36.376	26.438	43.6	0.0	0.0	0.0	0.0
142.0	17.580	36.371	26.442	43.9	0.0	0.0	0.0	0.0
143.0	17.562	36.361	26.439	43.4	0.0	0.0	0.0	0.0
144.0	17.490	36.350	26.448	42.9	0.0	0.0	0.0	0.0
145.0	17.409	36.340	26.461	42.6	0.0	0.0	0.0	0.0
146.0	17.320	36.326	26.472	42.3	0.0	0.0	0.0	0.0
147.0	17.273	36.329	26.485	43.0	0.0	0.0	0.0	0.0
148.0	17.244	36.324	26.488	43.0	0.0	0.0	0.0	0.0
149.0	17.208	36.320	26.494	43.0	0.0	0.0	0.0	0.0
150.0	17.177	36.318	26.500	43.2	0.0	0.0	0.0	0.0
151.0	17.156	36.316	26.503	43.1	0.0	0.0	0.0	0.0
152.0	17.135	36.313	26.507	42.9	0.0	0.0	0.0	0.0
153.0	17.123	36.310	26.507	42.8	0.0	0.0	0.0	0.0
154.0	17.108	36.309	26.510	42.7	0.0	0.0	0.0	0.0
155.0	17.089	36.303	26.510	42.6	0.0	0.0	0.0	0.0
156.0	17.052	36.302	26.518	42.2	0.0	0.0	0.0	0.0
157.0	17.034	36.302	26.522	42.1	0.0	0.0	0.0	0.0
158.0	17.031	36.300	26.521	42.2	0.0	0.0	0.0	0.0
159.0	17.015	36.296	26.522	42.3	0.0	0.0	0.0	0.0
160.0	16.980	36.290	26.526	42.6	0.0	0.0	0.0	0.0
161.0	16.922	36.284	26.535	43.0	0.0	0.0	0.0	0.0
162.0	16.861	36.274	26.542	43.3	0.0	0.0	0.0	0.0
163.0	16.809	36.260	26.544	43.3	0.0	0.0	0.0	0.0
164.0	16.749	36.246	26.547	43.2	0.0	0.0	0.0	0.0
165.0	16.674	36.241	26.561	43.2	0.0	0.0	0.0	0.0
166.0	16.609	36.230	26.568	43.0	0.0	0.0	0.0	0.0
167.0	16.521	36.222	26.583	43.0	0.0	0.0	0.0	0.0
168.0	16.445	36.214	26.594	43.0	0.0	0.0	0.0	0.0
169.0	16.375	36.213	26.610	43.2	0.0	0.0	0.0	0.0
170.0	16.353	36.211	26.614	43.7	0.0	0.0	0.0	0.0
171.0	16.304	36.185	26.605	44.2	0.0	0.0	0.0	0.0
172.0	16.217	36.175	26.618	44.5	0.0	0.0	0.0	0.0
173.0	16.161	36.173	26.630	44.1	0.0	0.0	0.0	0.0
174.0	16.126	36.182	26.645	43.6	0.0	0.0	0.0	0.0
175.0	16.123	36.181	26.644	43.2	0.0	0.0	0.0	0.0
176.0	16.085	36.169	26.644	43.4	0.0	0.0	0.0	0.0
177.0	16.046	36.162	26.647	43.5	0.0	0.0	0.0	0.0
178.0	16.011	36.159	26.654	43.5	0.0	0.0	0.0	0.0
179.0	15.937	36.146	26.660	44.2	0.0	0.0	0.0	0.0
180.0	15.858	36.128	26.665	44.9	0.0	0.0	0.0	0.0
181.0	15.788	36.123	26.677	45.5	0.0	0.0	0.0	0.0

Station: 33
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 46.99 N
 Longitude 98 55.97 W
 Time: Year Day Hour Minute
 1981 197 21 49

Depth m	Temp des C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Direr deg
182.0	15.741	36.117	26.683	45.7	0.0	0.0	0.0	0.0
183.0	15.713	36.118	26.690	45.8	0.0	0.0	0.0	0.0
184.0	15.669	36.115	26.693	45.2	0.0	0.0	0.0	0.0
185.0	15.673	36.113	26.696	44.3	0.0	0.0	0.0	0.0
186.0	15.642	36.109	26.699	43.8	0.0	0.0	0.0	0.0
187.0	15.613	36.103	26.702	43.3	0.0	0.0	0.0	0.0
188.0	15.572	36.096	26.706	42.9	0.0	0.0	0.0	0.0
189.0	15.532	36.089	26.709	43.1	0.0	0.0	0.0	0.0
190.0	15.496	36.082	26.712	43.4	0.0	0.0	0.0	0.0
191.0	15.453	36.079	26.719	43.2	0.0	0.0	0.0	0.0
192.0	15.424	36.075	26.723	43.0	0.0	0.0	0.0	0.0
193.0	15.407	36.071	26.724	43.1	0.0	0.0	0.0	0.0
194.0	15.386	36.068	26.726	43.6	0.0	0.0	0.0	0.0
195.0	15.363	36.064	26.728	43.4	0.0	0.0	0.0	0.0
196.0	15.329	36.054	26.730	43.3	0.0	0.0	0.0	0.0
197.0	15.285	36.048	26.733	43.5	0.0	0.0	0.0	0.0
198.0	15.240	36.042	26.739	43.4	0.0	0.0	0.0	0.0
199.0	15.197	36.038	26.745	42.7	0.0	0.0	0.0	0.0
200.0	15.150	36.036	26.743	42.4	0.0	0.0	0.0	0.0
201.0	15.161	36.034	26.750	42.3	0.0	0.0	0.0	0.0
202.0	15.144	36.030	26.751	42.1	0.0	0.0	0.0	0.0
203.0	15.114	36.025	26.754	41.8	0.0	0.0	0.0	0.0
204.0	15.021	36.004	26.753	41.9	0.0	0.0	0.0	0.0
205.0	14.880	35.969	26.763	42.1	0.0	0.0	0.0	0.0
206.0	14.750	35.960	26.784	42.0	0.0	0.0	0.0	0.0
207.0	14.634	35.953	26.805	41.9	0.0	0.0	0.0	0.0
208.0	14.526	35.929	26.809	42.1	0.0	0.0	0.0	0.0
209.0	14.408	35.917	26.824	41.8	0.0	0.0	0.0	0.0
210.0	14.316	35.907	26.837	41.8	0.0	0.0	0.0	0.0
211.0	14.237	35.891	26.842	41.7	0.0	0.0	0.0	0.0
212.0	14.173	35.878	26.846	41.9	0.0	0.0	0.0	0.0
213.0	14.133	35.879	26.855	42.2	0.0	0.0	0.0	0.0
214.0	14.080	35.865	26.856	42.1	0.0	0.0	0.0	0.0
215.0	14.007	35.856	26.864	42.5	0.0	0.0	0.0	0.0
216.0	13.942	35.847	26.871	43.2	0.0	0.0	0.0	0.0
217.0	13.897	35.837	26.873	43.7	0.0	0.0	0.0	0.0
218.0	13.791	35.818	26.880	43.7	0.0	0.0	0.0	0.0
219.0	13.714	35.809	26.890	44.1	0.0	0.0	0.0	0.0
220.0	13.685	35.803	26.895	44.6	0.0	0.0	0.0	0.0
221.0	13.676	35.804	26.896	44.5	0.0	0.0	0.0	0.0
222.0	13.676	35.806	26.895	44.7	0.0	0.0	0.0	0.0
223.0	13.675	35.805	26.895	44.9	0.0	0.0	0.0	0.0
224.0	13.675	35.804	26.894	45.2	0.0	0.0	0.0	0.0
225.0	13.674	35.803	26.893	45.4	0.0	0.0	0.0	0.0
226.0	13.674	35.802	26.893	45.6	0.0	0.0	0.0	0.0
227.0	13.590	35.789	26.901	45.9	0.0	0.0	0.0	0.0
228.0	13.552	35.783	26.904	46.1	0.0	0.0	0.0	0.0
229.0	13.498	35.775	26.909	46.4	0.0	0.0	0.0	0.0
230.0	13.497	35.775	26.909	46.0	0.0	0.0	0.0	0.0
231.0	13.490	35.773	26.909	41.7	0.0	0.0	0.0	0.0
232.0	13.487	35.773	26.909	41.4	0.0	0.0	0.0	0.0
233.0	13.487	35.773	26.910	42.4	0.0	0.0	0.0	0.0
234.0	13.487	35.773	26.909	42.8	0.0	0.0	0.0	0.0
235.0	13.494	35.774	26.908	42.9	0.0	0.0	0.0	0.0
236.0	13.501	35.775	26.903	43.0	0.0	0.0	0.0	0.0
237.0	13.501	35.775	26.903	42.9	0.0	0.0	0.0	0.0
238.0	13.501	35.775	26.903	43.1	0.0	0.0	0.0	0.0
239.0	13.500	35.775	26.903	43.3	0.0	0.0	0.0	0.0
240.0	13.501	35.775	26.903	43.0	0.0	0.0	0.0	0.0
241.0	13.502	35.775	26.903	42.4	0.0	0.0	0.0	0.0

Station: 33
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 46.99 N
 Longitude 93 55.97 W
 Time: Year Day Hour Minute
 1981 197 21 49

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
242.0	13.504	35.776	26.908	42.1	0.0	0.0	0.0	0.0
243.0	13.505	35.775	26.907	42.1	0.0	0.0	0.0	0.0
244.0	13.503	35.774	26.906	42.2	0.0	0.0	0.0	0.0
245.0	13.497	35.773	26.907	42.3	0.0	0.0	0.0	0.0
246.0	13.471	35.766	26.907	42.6	0.0	0.0	0.0	0.0
247.0	13.438	35.761	26.910	42.9	0.0	0.0	0.0	0.0
248.0	13.423	35.777	26.925	46.5	0.0	0.0	0.0	0.0

Station: 34
 Cruise: 81-NS-1
 Ship: NORTH SEAL
 Position: Latitude 37 48.65 N
 Longitude 98 55.96 W
 Time: Year Day Hour Minute
 1981 107 22 27

Depth m	Temp deg C	Sal ppt	Sigma-t Rg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	30.233	36.140	22.521	55.9	0.0	0.0	0.0	0.0
2.0	30.214	36.149	22.534	56.1	0.0	0.0	0.0	0.0
3.0	30.088	36.139	22.590	55.7	0.0	0.0	0.0	0.0
4.0	29.758	36.128	22.675	54.7	0.0	0.0	0.0	0.0
5.0	29.664	36.128	22.703	54.8	0.0	0.0	0.0	0.0
6.0	29.635	36.121	22.712	55.8	0.0	0.0	0.0	0.0
7.0	29.620	36.119	22.716	56.8	0.0	0.0	0.0	0.0
8.0	29.614	36.119	22.718	57.1	0.0	0.0	0.0	0.0
9.0	29.598	36.121	22.724	56.5	0.0	0.0	0.0	0.0
10.0	29.584	36.120	22.729	55.5	0.0	0.0	0.0	0.0
11.0	29.576	36.119	22.730	55.2	0.0	0.0	0.0	0.0
12.0	29.567	36.117	22.732	55.7	0.0	0.0	0.0	0.0
13.0	29.554	36.117	22.737	55.4	0.0	0.0	0.0	0.0
14.0	29.515	36.119	22.751	55.8	0.0	0.0	0.0	0.0
15.0	29.428	36.115	22.777	57.1	0.0	0.0	0.0	0.0
16.0	29.347	36.114	22.805	56.9	0.0	0.0	0.0	0.0
17.0	29.309	36.126	22.826	56.0	0.0	0.0	0.0	0.0
18.0	29.286	36.152	22.853	56.0	0.0	0.0	0.0	0.0
19.0	29.242	36.157	22.872	55.7	0.0	0.0	0.0	0.0
20.0	29.217	36.158	22.881	55.6	0.0	0.0	0.0	0.0
21.0	29.188	36.161	22.893	55.8	0.0	0.0	0.0	0.0
22.0	29.163	36.164	22.904	55.6	0.0	0.0	0.0	0.0
23.0	29.145	36.168	22.913	55.4	0.0	0.0	0.0	0.0
24.0	29.098	36.180	22.938	55.1	0.0	0.0	0.0	0.0
25.0	29.066	36.180	22.949	54.4	0.0	0.0	0.0	0.0
26.0	28.979	36.183	22.980	53.7	0.0	0.0	0.0	0.0
27.0	28.884	36.212	23.051	53.6	0.0	0.0	0.0	0.0
28.0	28.746	36.233	23.096	53.9	0.0	0.0	0.0	0.0
29.0	28.664	36.238	23.127	54.7	0.0	0.0	0.0	0.0
30.0	28.570	36.255	23.171	55.1	0.0	0.0	0.0	0.0
31.0	28.508	36.290	23.218	55.8	0.0	0.0	0.0	0.0
32.0	28.491	36.335	23.258	56.5	0.0	0.0	0.0	0.0
33.0	28.457	36.366	23.292	57.6	0.0	0.0	0.0	0.0
34.0	28.367	36.362	23.319	56.9	0.0	0.0	0.0	0.0
35.0	28.184	36.388	23.361	54.5	0.0	0.0	0.0	0.0
36.0	28.008	36.334	23.416	52.6	0.0	0.0	0.0	0.0
37.0	27.681	36.252	23.461	51.7	0.0	0.0	0.0	0.0
38.0	27.167	36.191	23.582	51.5	0.0	0.0	0.0	0.0
39.0	26.643	36.201	23.757	51.8	0.0	0.0	0.0	0.0
40.0	26.198	36.174	23.877	52.4	0.0	0.0	0.0	0.0
41.0	25.735	36.204	24.045	52.4	0.0	0.0	0.0	0.0
42.0	25.519	36.276	24.166	52.4	0.0	0.0	0.0	0.0
43.0	25.365	36.264	24.204	52.2	0.0	0.0	0.0	0.0
44.0	24.998	36.266	24.319	52.6	0.0	0.0	0.0	0.0
45.0	24.597	36.317	24.479	52.8	0.0	0.0	0.0	0.0
46.0	24.349	36.359	24.579	52.5	0.0	0.0	0.0	0.0
47.0	24.227	36.371	24.631	52.1	0.0	0.0	0.0	0.0
48.0	24.094	36.379	24.677	51.8	0.0	0.0	0.0	0.0
49.0	24.013	36.376	24.698	51.5	0.0	0.0	0.0	0.0
50.0	23.870	36.373	24.739	51.2	0.0	0.0	0.0	0.0
51.0	23.739	36.369	24.774	51.3	0.0	0.0	0.0	0.0
52.0	23.629	36.361	24.801	50.8	0.0	0.0	0.0	0.0
53.0	23.463	36.348	24.839	50.1	0.0	0.0	0.0	0.0
54.0	23.360	36.357	24.877	49.7	0.0	0.0	0.0	0.0
55.0	23.327	36.359	24.888	50.5	0.0	0.0	0.0	0.0
56.0	23.282	36.349	24.894	51.2	0.0	0.0	0.0	0.0
57.0	23.198	36.340	24.911	51.0	0.0	0.0	0.0	0.0
58.0	23.094	36.340	24.941	50.6	0.0	0.0	0.0	0.0
59.0	22.989	36.333	24.967	50.8	0.0	0.0	0.0	0.0
60.0	22.825	36.322	25.005	51.1	0.0	0.0	0.0	0.0

Station: 34
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.65 N
 Longitude 93 55.96 W
 Time: Year Day Hour Minute
 1981 197 22 27

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.638	36.318	25.057	50.6	0.0	0.0	0.0	0.0
62.0	22.480	36.287	25.078	49.6	0.0	0.0	0.0	0.0
63.0	22.330	36.267	25.106	48.4	0.0	0.0	0.0	0.0
64.0	22.184	36.273	25.151	48.3	0.0	0.0	0.0	0.0
65.0	22.030	36.254	25.181	48.3	0.0	0.0	0.0	0.0
66.0	21.923	36.251	25.208	47.7	0.0	0.0	0.0	0.0
67.0	21.762	36.267	25.266	46.6	0.0	0.0	0.0	0.0
68.0	21.611	36.289	25.325	46.1	0.0	0.0	0.0	0.0
69.0	21.499	36.297	25.362	46.3	0.0	0.0	0.0	0.0
70.0	21.418	36.308	25.393	46.5	0.0	0.0	0.0	0.0
71.0	21.396	36.312	25.401	46.4	0.0	0.0	0.0	0.0
72.0	21.384	36.312	25.405	46.1	0.0	0.0	0.0	0.0
73.0	21.374	36.310	25.406	46.2	0.0	0.0	0.0	0.0
74.0	21.352	36.310	25.413	46.7	0.0	0.0	0.0	0.0
75.0	21.334	36.313	25.419	46.5	0.0	0.0	0.0	0.0
76.0	21.321	36.311	25.422	46.0	0.0	0.0	0.0	0.0
77.0	21.273	36.312	25.435	46.6	0.0	0.0	0.0	0.0
78.0	21.154	36.320	25.475	47.4	0.0	0.0	0.0	0.0
79.0	21.011	36.329	25.520	47.5	0.0	0.0	0.0	0.0
80.0	20.950	36.337	25.544	46.6	0.0	0.0	0.0	0.0
81.0	20.923	36.348	25.559	45.9	0.0	0.0	0.0	0.0
82.0	20.894	36.363	25.578	45.8	0.0	0.0	0.0	0.0
83.0	20.863	36.378	25.598	45.8	0.0	0.0	0.0	0.0
84.0	20.817	36.392	25.621	46.1	0.0	0.0	0.0	0.0
85.0	20.766	36.403	25.644	45.8	0.0	0.0	0.0	0.0
86.0	20.727	36.404	25.655	45.3	0.0	0.0	0.0	0.0
87.0	20.693	36.402	25.662	44.1	0.0	0.0	0.0	0.0
88.0	20.632	36.403	25.680	43.2	0.0	0.0	0.0	0.0
89.0	20.585	36.405	25.694	43.4	0.0	0.0	0.0	0.0
90.0	20.560	36.403	25.700	43.3	0.0	0.0	0.0	0.0
91.0	20.558	36.405	25.701	44.4	0.0	0.0	0.0	0.0
92.0	20.461	36.389	25.715	44.9	0.0	0.0	0.0	0.0
93.0	20.384	36.391	25.737	45.1	0.0	0.0	0.0	0.0
94.0	20.299	36.395	25.763	45.0	0.0	0.0	0.0	0.0
95.0	20.233	36.399	25.779	44.5	0.0	0.0	0.0	0.0
96.0	20.181	36.382	25.785	44.3	0.0	0.0	0.0	0.0
97.0	20.033	36.364	25.810	44.9	0.0	0.0	0.0	0.0
98.0	19.937	36.379	25.848	45.0	0.0	0.0	0.0	0.0
99.0	19.857	36.389	25.876	44.5	0.0	0.0	0.0	0.0
100.0	19.693	36.394	25.923	43.8	0.0	0.0	0.0	0.0
101.0	19.529	36.396	25.968	43.8	0.0	0.0	0.0	0.0
102.0	19.441	36.393	25.992	43.9	0.0	0.0	0.0	0.0
103.0	19.393	36.401	26.006	43.9	0.0	0.0	0.0	0.0
104.0	19.367	36.396	26.011	44.3	0.0	0.0	0.0	0.0
105.0	19.343	36.395	26.016	45.0	0.0	0.0	0.0	0.0
106.0	19.328	36.394	26.019	44.9	0.0	0.0	0.0	0.0
107.0	19.314	36.394	26.023	44.2	0.0	0.0	0.0	0.0
108.0	19.297	36.394	26.027	43.8	0.0	0.0	0.0	0.0
109.0	19.260	36.394	26.036	43.7	0.0	0.0	0.0	0.0
110.0	19.183	36.389	26.053	43.4	0.0	0.0	0.0	0.0
111.0	19.099	36.388	26.073	42.9	0.0	0.0	0.0	0.0
112.0	18.982	36.387	26.103	42.4	0.0	0.0	0.0	0.0
113.0	18.883	36.391	26.130	41.9	0.0	0.0	0.0	0.0
114.0	18.860	36.391	26.137	41.6	0.0	0.0	0.0	0.0
115.0	18.816	36.391	26.148	41.7	0.0	0.0	0.0	0.0
116.0	18.780	36.392	26.159	42.3	0.0	0.0	0.0	0.0
117.0	18.684	36.402	26.191	43.4	0.0	0.0	0.0	0.0
118.0	18.583	36.403	26.215	44.3	0.0	0.0	0.0	0.0
119.0	18.487	36.398	26.237	45.5	0.0	0.0	0.0	0.0
120.0	18.421	36.401	26.257	45.2	0.0	0.0	0.0	0.0

Station: 34
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.45 N
 Longitude 93 55.96 W
 Time: Year Day Hour Minute
 1981 197 22 27

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
121.0	18.376	36.407	26.272	44.2	0.0	0.0	0.0	0.0
122.0	18.354	36.408	26.279	43.3	0.0	0.0	0.0	0.0
123.0	18.333	36.397	26.276	42.4	0.0	0.0	0.0	0.0
124.0	18.278	36.371	26.269	41.2	0.0	0.0	0.0	0.0
125.0	18.176	36.365	26.291	40.0	0.0	0.0	0.0	0.0
126.0	18.098	36.372	26.320	39.4	0.0	0.0	0.0	0.0
127.0	18.067	36.379	26.329	39.8	0.0	0.0	0.0	0.0
128.0	18.060	36.384	26.336	40.7	0.0	0.0	0.0	0.0
129.0	18.072	36.393	26.336	42.5	0.0	0.0	0.0	0.0
130.0	18.055	36.400	26.347	44.4	0.0	0.0	0.0	0.0
131.0	18.003	36.400	26.360	45.6	0.0	0.0	0.0	0.0
132.0	17.951	36.397	26.371	45.4	0.0	0.0	0.0	0.0
133.0	17.899	36.393	26.381	44.7	0.0	0.0	0.0	0.0
134.0	17.834	36.388	26.393	43.7	0.0	0.0	0.0	0.0
135.0	17.771	36.382	26.404	42.8	0.0	0.0	0.0	0.0
136.0	17.689	36.372	26.416	41.9	0.0	0.0	0.0	0.0
137.0	17.570	36.351	26.429	41.2	0.0	0.0	0.0	0.0
138.0	17.529	36.342	26.431	41.1	0.0	0.0	0.0	0.0
139.0	17.508	36.346	26.441	41.0	0.0	0.0	0.0	0.0
140.0	17.476	36.340	26.445	40.6	0.0	0.0	0.0	0.0
141.0	17.436	36.333	26.448	40.1	0.0	0.0	0.0	0.0
142.0	17.409	36.331	26.454	39.7	0.0	0.0	0.0	0.0
143.0	17.397	36.332	26.458	40.8	0.0	0.0	0.0	0.0
144.0	17.354	36.334	26.470	42.4	0.0	0.0	0.0	0.0
145.0	17.303	36.332	26.480	43.7	0.0	0.0	0.0	0.0
146.0	17.271	36.329	26.486	44.2	0.0	0.0	0.0	0.0
147.0	17.211	36.322	26.495	44.6	0.0	0.0	0.0	0.0
148.0	17.145	36.313	26.507	45.3	0.0	0.0	0.0	0.0
149.0	17.086	36.305	26.524	45.8	0.0	0.0	0.0	0.0
150.0	16.895	36.283	26.543	46.0	0.0	0.0	0.0	0.0
151.0	16.791	36.283	26.565	45.4	0.0	0.0	0.0	0.0
152.0	16.720	36.279	26.580	44.9	0.0	0.0	0.0	0.0
153.0	16.692	36.260	26.571	45.0	0.0	0.0	0.0	0.0
154.0	16.693	36.253	26.569	45.0	0.0	0.0	0.0	0.0
155.0	16.691	36.253	26.570	45.1	0.0	0.0	0.0	0.0
156.0	16.685	36.260	26.573	44.9	0.0	0.0	0.0	0.0
157.0	16.680	36.254	26.570	44.3	0.0	0.0	0.0	0.0
158.0	16.650	36.250	26.574	43.7	0.0	0.0	0.0	0.0
159.0	16.630	36.250	26.578	43.1	0.0	0.0	0.0	0.0
160.0	16.586	36.239	26.581	43.3	0.0	0.0	0.0	0.0
161.0	16.540	36.231	26.585	43.5	0.0	0.0	0.0	0.0
162.0	16.516	36.229	26.589	43.7	0.0	0.0	0.0	0.0
163.0	16.478	36.225	26.595	43.8	0.0	0.0	0.0	0.0
164.0	16.427	36.219	26.603	44.0	0.0	0.0	0.0	0.0
165.0	16.381	36.214	26.609	44.2	0.0	0.0	0.0	0.0
166.0	16.299	36.202	26.619	44.2	0.0	0.0	0.0	0.0
167.0	16.210	36.182	26.628	44.5	0.0	0.0	0.0	0.0
168.0	16.147	36.177	26.636	43.6	0.0	0.0	0.0	0.0
169.0	16.042	36.164	26.650	42.9	0.0	0.0	0.0	0.0
170.0	15.913	36.143	26.662	42.4	0.0	0.0	0.0	0.0
171.0	15.803	36.126	26.676	41.6	0.0	0.0	0.0	0.0
172.0	15.744	36.134	26.695	41.2	0.0	0.0	0.0	0.0
173.0	15.678	36.121	26.701	40.9	0.0	0.0	0.0	0.0
174.0	15.553	36.086	26.702	40.3	0.0	0.0	0.0	0.0
175.0	15.410	36.063	26.717	40.0	0.0	0.0	0.0	0.0
176.0	15.273	36.053	26.740	39.8	0.0	0.0	0.0	0.0
177.0	15.220	36.056	26.754	39.5	0.0	0.0	0.0	0.0
178.0	15.243	36.076	26.760	39.4	0.0	0.0	0.0	0.0
179.0	15.154	36.038	26.755	39.6	0.0	0.0	0.0	0.0
180.0	15.039	36.006	26.756	38.9	0.0	0.0	0.0	0.0

Station: 34
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 48.65 N
 Longitude 93 55.96 W
 Time: Year Day Hour Minute
 1981 197 22 27

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
181.0	14.951	36.000	26.771	40.9	0.0	0.0	0.0	0.0
182.0	14.907	36.000	26.780	45.3	0.0	0.0	0.0	0.0

Station: 35
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 50.37 N
 Longitude 93 56.11 W
 Time: Year Day Hour Minute
 1981 197 23 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cm ³	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
2.0	30.141	36.118	22.586	56.1	0.0	0.0	0.0	0.0
3.0	30.137	36.104	22.510	55.7	0.0	0.0	0.0	0.0
4.0	30.142	36.145	22.556	55.9	0.0	0.0	0.0	0.0
5.0	29.952	36.148	22.624	55.0	0.0	0.0	0.0	0.0
6.0	29.772	36.137	22.677	54.7	0.0	0.0	0.0	0.0
7.0	29.494	36.127	22.696	54.9	0.0	0.0	0.0	0.0
8.0	29.668	36.120	22.702	55.4	0.0	0.0	0.0	0.0
9.0	29.645	36.121	22.708	55.6	0.0	0.0	0.0	0.0
10.0	29.620	36.123	22.718	55.9	0.0	0.0	0.0	0.0
11.0	29.595	36.122	22.726	56.1	0.0	0.0	0.0	0.0
12.0	29.580	36.121	22.731	55.4	0.0	0.0	0.0	0.0
13.0	29.567	36.121	22.735	55.4	0.0	0.0	0.0	0.0
14.0	29.553	36.121	22.740	55.8	0.0	0.0	0.0	0.0
15.0	29.524	36.121	22.749	55.3	0.0	0.0	0.0	0.0
16.0	29.491	36.127	22.765	55.0	0.0	0.0	0.0	0.0
17.0	29.414	36.140	22.801	54.7	0.0	0.0	0.0	0.0
18.0	29.330	36.145	22.833	54.7	0.0	0.0	0.0	0.0
19.0	29.277	36.146	22.852	54.3	0.0	0.0	0.0	0.0
20.0	29.257	36.151	22.863	53.9	0.0	0.0	0.0	0.0
21.0	29.241	36.156	22.872	53.8	0.0	0.0	0.0	0.0
22.0	29.208	36.161	22.887	54.0	0.0	0.0	0.0	0.0
23.0	29.186	36.165	22.897	54.2	0.0	0.0	0.0	0.0
24.0	29.172	36.170	22.905	54.4	0.0	0.0	0.0	0.0
25.0	29.172	36.169	22.905	54.6	0.0	0.0	0.0	0.0
26.0	29.173	36.230	22.949	54.7	0.0	0.0	0.0	0.0
27.0	29.147	36.275	22.993	54.5	0.0	0.0	0.0	0.0
28.0	29.090	36.327	23.051	54.2	0.0	0.0	0.0	0.0
29.0	28.820	36.331	23.144	53.5	0.0	0.0	0.0	0.0
30.0	28.504	36.310	23.234	53.2	0.0	0.0	0.0	0.0
31.0	28.239	36.273	23.278	53.8	0.0	0.0	0.0	0.0
32.0	28.161	36.237	23.293	53.0	0.0	0.0	0.0	0.0
33.0	28.107	36.237	23.311	53.2	0.0	0.0	0.0	0.0
34.0	28.029	36.240	23.338	53.3	0.0	0.0	0.0	0.0
35.0	27.970	36.238	23.356	54.9	0.0	0.0	0.0	0.0
36.0	27.887	36.231	23.379	54.4	0.0	0.0	0.0	0.0
37.0	27.746	36.229	23.423	53.2	0.0	0.0	0.0	0.0
38.0	27.527	36.221	23.438	52.4	0.0	0.0	0.0	0.0
39.0	27.157	36.204	23.595	52.4	0.0	0.0	0.0	0.0
40.0	26.804	36.187	23.695	52.6	0.0	0.0	0.0	0.0
41.0	26.600	36.193	23.764	52.4	0.0	0.0	0.0	0.0
42.0	26.295	36.224	23.825	52.0	0.0	0.0	0.0	0.0
43.0	25.584	36.260	24.134	51.4	0.0	0.0	0.0	0.0
44.0	25.019	36.309	24.345	51.3	0.0	0.0	0.0	0.0
45.0	24.705	36.346	24.468	51.2	0.0	0.0	0.0	0.0
46.0	24.275	36.367	24.614	51.1	0.0	0.0	0.0	0.0
47.0	24.091	36.383	24.635	51.1	0.0	0.0	0.0	0.0
48.0	23.965	36.373	24.714	51.3	0.0	0.0	0.0	0.0
49.0	23.904	36.371	24.727	51.5	0.0	0.0	0.0	0.0
50.0	23.897	36.376	24.733	51.6	0.0	0.0	0.0	0.0
51.0	23.896	36.373	24.731	51.6	0.0	0.0	0.0	0.0
52.0	23.896	36.369	24.728	51.5	0.0	0.0	0.0	0.0
53.0	23.896	36.366	24.726	51.5	0.0	0.0	0.0	0.0
54.0	23.826	36.356	24.828	51.1	0.0	0.0	0.0	0.0
55.0	23.354	36.354	24.877	50.2	0.0	0.0	0.0	0.0
56.0	23.047	36.358	24.969	50.4	0.0	0.0	0.0	0.0
57.0	22.975	36.351	24.984	50.2	0.0	0.0	0.0	0.0
58.0	22.869	36.349	25.013	50.2	0.0	0.0	0.0	0.0
59.0	22.720	36.339	25.049	50.4	0.0	0.0	0.0	0.0
60.0	22.551	36.316	25.080	49.3	0.0	0.0	0.0	0.0
61.0	22.468	36.306	25.096	48.6	0.0	0.0	0.0	0.0

Station: 35
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 50.37 N
 Longitude 93 56.11 W
 Time: Year Day Hour Minute
 1981 197 23 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
62.0	22.439	36.294	25.095	49.5	0.0	0.0	0.0	0.0
63.0	22.385	36.295	25.111	50.2	0.0	0.0	0.0	0.0
64.0	22.258	36.297	25.149	50.0	0.0	0.0	0.0	0.0
65.0	22.145	36.281	25.169	49.9	0.0	0.0	0.0	0.0
66.0	22.080	36.305	25.205	49.0	0.0	0.0	0.0	0.0
67.0	21.965	36.317	25.247	47.7	0.0	0.0	0.0	0.0
68.0	21.843	36.310	25.276	47.2	0.0	0.0	0.0	0.0
69.0	21.750	36.302	25.296	46.8	0.0	0.0	0.0	0.0
70.0	21.664	36.299	25.317	46.5	0.0	0.0	0.0	0.0
71.0	21.614	36.302	25.333	47.1	0.0	0.0	0.0	0.0
72.0	21.580	36.301	25.343	43.4	0.0	0.0	0.0	0.0
73.0	21.495	36.304	25.368	49.5	0.0	0.0	0.0	0.0
74.0	21.414	36.319	25.402	49.1	0.0	0.0	0.0	0.0
75.0	21.320	36.342	25.445	47.4	0.0	0.0	0.0	0.0
76.0	21.216	36.343	25.475	46.4	0.0	0.0	0.0	0.0
77.0	21.152	36.327	25.481	46.5	0.0	0.0	0.0	0.0
78.0	21.070	36.369	25.535	47.0	0.0	0.0	0.0	0.0
79.0	21.014	36.391	25.567	47.2	0.0	0.0	0.0	0.0
80.0	20.996	36.394	25.573	46.8	0.0	0.0	0.0	0.0
81.0	20.983	36.392	25.576	46.4	0.0	0.0	0.0	0.0
82.0	20.949	36.395	25.588	45.8	0.0	0.0	0.0	0.0
83.0	20.883	36.400	25.609	45.0	0.0	0.0	0.0	0.0
84.0	20.827	36.400	25.625	44.5	0.0	0.0	0.0	0.0
85.0	20.804	36.401	25.632	44.7	0.0	0.0	0.0	0.0
86.0	20.779	36.402	25.639	44.5	0.0	0.0	0.0	0.0
87.0	20.742	36.416	25.660	43.8	0.0	0.0	0.0	0.0
88.0	20.656	36.413	25.685	43.6	0.0	0.0	0.0	0.0
89.0	20.588	36.409	25.696	44.1	0.0	0.0	0.0	0.0
90.0	20.529	36.401	25.706	44.3	0.0	0.0	0.0	0.0
91.0	20.468	36.395	25.718	44.3	0.0	0.0	0.0	0.0
92.0	20.412	36.389	25.729	44.1	0.0	0.0	0.0	0.0
93.0	20.368	36.386	25.738	44.0	0.0	0.0	0.0	0.0
94.0	20.339	36.390	25.749	43.9	0.0	0.0	0.0	0.0
95.0	20.301	36.391	25.760	43.8	0.0	0.0	0.0	0.0
96.0	20.262	36.387	25.767	44.0	0.0	0.0	0.0	0.0
97.0	20.180	36.391	25.792	44.0	0.0	0.0	0.0	0.0
98.0	20.087	36.381	25.809	44.1	0.0	0.0	0.0	0.0
99.0	20.019	36.378	25.825	44.3	0.0	0.0	0.0	0.0
100.0	19.936	36.391	25.857	44.6	0.0	0.0	0.0	0.0
101.0	19.862	36.401	25.884	44.2	0.0	0.0	0.0	0.0
102.0	19.757	36.406	25.916	44.0	0.0	0.0	0.0	0.0
103.0	19.645	36.410	25.948	43.9	0.0	0.0	0.0	0.0
104.0	19.581	36.410	25.965	43.6	0.0	0.0	0.0	0.0
105.0	19.527	36.411	25.980	43.8	0.0	0.0	0.0	0.0
106.0	19.494	36.414	25.991	43.8	0.0	0.0	0.0	0.0
107.0	19.446	36.417	26.006	43.8	0.0	0.0	0.0	0.0
108.0	19.360	36.416	26.027	44.6	0.0	0.0	0.0	0.0
109.0	19.306	36.414	26.040	44.8	0.0	0.0	0.0	0.0
110.0	19.270	36.411	26.047	44.7	0.0	0.0	0.0	0.0
111.0	19.228	36.409	26.056	44.0	0.0	0.0	0.0	0.0
112.0	19.178	36.405	26.066	43.4	0.0	0.0	0.0	0.0
113.0	19.133	36.401	26.074	43.2	0.0	0.0	0.0	0.0
114.0	19.084	36.403	26.089	42.9	0.0	0.0	0.0	0.0
115.0	19.008	36.403	26.108	42.8	0.0	0.0	0.0	0.0
116.0	18.950	36.400	26.121	43.1	0.0	0.0	0.0	0.0
117.0	18.900	36.395	26.130	43.8	0.0	0.0	0.0	0.0
118.0	18.835	36.390	26.143	43.7	0.0	0.0	0.0	0.0
119.0	18.796	36.390	26.153	43.1	0.0	0.0	0.0	0.0
120.0	18.773	36.390	26.158	42.5	0.0	0.0	0.0	0.0
121.0	18.683	36.397	26.187	42.0	0.0	0.0	0.0	0.0

Station: 35
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 50.37 N
 Longitude 93 56.11 W
 Time: Year Day Hour Minute
 1981 197 23 8

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
122.0	18.628	36.404	26.206	41.8	0.0	0.0	0.0	0.0
123.0	18.531	36.404	26.231	41.2	0.0	0.0	0.0	0.0
124.0	18.342	36.398	26.274	41.3	0.0	0.0	0.0	0.0
125.0	18.152	36.385	26.312	41.8	0.0	0.0	0.0	0.0
126.0	17.969	36.368	26.344	41.5	0.0	0.0	0.0	0.0
127.0	17.905	36.364	26.357	39.9	0.0	0.0	0.0	0.0
128.0	17.832	36.366	26.377	39.5	0.0	0.0	0.0	0.0
129.0	17.738	36.362	26.397	40.1	0.0	0.0	0.0	0.0
130.0	17.651	36.345	26.405	40.7	0.0	0.0	0.0	0.0
131.0	17.500	36.372	26.463	40.3	0.0	0.0	0.0	0.0
132.0	17.352	36.368	26.496	38.8	0.0	0.0	0.0	0.0
133.0	17.277	36.339	26.492	37.4	0.0	0.0	0.0	0.0
134.0	17.251	36.325	26.487	37.2	0.0	0.0	0.0	0.0
135.0	17.241	36.324	26.489	37.2	0.0	0.0	0.0	0.0
136.0	17.234	36.318	26.488	37.0	0.0	0.0	0.0	0.0
137.0	17.210	36.316	26.490	38.4	0.0	0.0	0.0	0.0
138.0	17.199	36.314	26.492	38.9	0.0	0.0	0.0	0.0

Station: 36
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 27 52.90 N
 Longitude 93 56.24 W
 Time: Year Day Hour Minute
 1981 197 23 46

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	30.353	36.117	22.463	55.8	0.0	0.0	0.0	0.0
2.0	30.372	36.115	22.454	55.9	0.0	0.0	0.0	0.0
3.0	30.372	36.113	22.453	56.0	0.0	0.0	0.0	0.0
4.0	30.324	36.112	22.474	56.2	0.0	0.0	0.0	0.0
5.0	30.077	36.116	22.557	55.4	0.0	0.0	0.0	0.0
6.0	29.843	36.139	22.654	54.6	0.0	0.0	0.0	0.0
7.0	29.772	36.142	22.681	54.3	0.0	0.0	0.0	0.0
8.0	29.726	36.145	22.699	54.3	0.0	0.0	0.0	0.0
9.0	29.672	36.112	22.692	54.2	0.0	0.0	0.0	0.0
10.0	29.628	36.096	22.695	54.0	0.0	0.0	0.0	0.0
11.0	29.604	36.093	22.702	53.8	0.0	0.0	0.0	0.0
12.0	29.594	36.092	22.704	53.7	0.0	0.0	0.0	0.0
13.0	29.587	36.090	22.705	53.6	0.0	0.0	0.0	0.0
14.0	29.578	36.089	22.707	53.9	0.0	0.0	0.0	0.0
15.0	29.569	36.089	22.710	54.0	0.0	0.0	0.0	0.0
16.0	29.559	36.089	22.714	54.0	0.0	0.0	0.0	0.0
17.0	29.545	36.095	22.723	53.7	0.0	0.0	0.0	0.0
18.0	29.465	36.142	22.786	53.5	0.0	0.0	0.0	0.0
19.0	29.371	36.206	22.866	53.6	0.0	0.0	0.0	0.0
20.0	29.317	36.243	22.911	53.6	0.0	0.0	0.0	0.0
21.0	29.276	36.259	22.937	53.7	0.0	0.0	0.0	0.0
22.0	29.239	36.274	22.961	53.8	0.0	0.0	0.0	0.0
23.0	29.204	36.291	22.985	54.1	0.0	0.0	0.0	0.0
24.0	29.183	36.302	23.001	53.8	0.0	0.0	0.0	0.0
25.0	29.154	36.311	23.017	53.4	0.0	0.0	0.0	0.0
26.0	29.130	36.319	23.032	52.8	0.0	0.0	0.0	0.0
27.0	29.126	36.327	23.039	52.5	0.0	0.0	0.0	0.0
28.0	29.121	36.335	23.047	52.6	0.0	0.0	0.0	0.0
29.0	29.100	36.337	23.055	54.5	0.0	0.0	0.0	0.0
30.0	29.057	36.342	23.074	54.1	0.0	0.0	0.0	0.0
31.0	29.004	36.365	23.108	52.8	0.0	0.0	0.0	0.0
32.0	28.905	36.392	23.162	52.0	0.0	0.0	0.0	0.0
33.0	28.774	36.413	23.222	51.9	0.0	0.0	0.0	0.0
34.0	28.625	36.430	23.284	52.2	0.0	0.0	0.0	0.0
35.0	28.472	36.432	23.337	52.5	0.0	0.0	0.0	0.0
36.0	28.386	36.428	23.362	52.5	0.0	0.0	0.0	0.0
37.0	28.337	36.431	23.381	52.4	0.0	0.0	0.0	0.0
38.0	28.260	36.427	23.403	52.2	0.0	0.0	0.0	0.0
39.0	28.197	36.396	23.401	51.7	0.0	0.0	0.0	0.0
40.0	28.137	36.371	23.401	51.0	0.0	0.0	0.0	0.0
41.0	28.062	36.336	23.400	50.5	0.0	0.0	0.0	0.0
42.0	27.945	36.345	23.445	50.0	0.0	0.0	0.0	0.0
43.0	26.681	36.270	23.797	50.3	0.0	0.0	0.0	0.0
44.0	25.655	36.219	24.080	50.2	0.0	0.0	0.0	0.0
45.0	25.231	36.219	24.211	50.5	0.0	0.0	0.0	0.0
46.0	24.907	36.237	24.324	50.9	0.0	0.0	0.0	0.0
47.0	24.474	36.281	24.488	51.1	0.0	0.0	0.0	0.0
48.0	24.165	36.300	24.596	51.2	0.0	0.0	0.0	0.0
49.0	23.899	36.319	24.689	51.1	0.0	0.0	0.0	0.0
50.0	23.628	36.306	24.760	50.7	0.0	0.0	0.0	0.0
51.0	23.288	36.270	24.832	50.7	0.0	0.0	0.0	0.0
52.0	23.160	36.245	24.850	51.2	0.0	0.0	0.0	0.0
53.0	23.158	36.287	24.883	51.2	0.0	0.0	0.0	0.0
54.0	23.135	36.329	24.921	51.5	0.0	0.0	0.0	0.0
55.0	23.031	36.347	24.965	51.5	0.0	0.0	0.0	0.0
56.0	22.933	36.343	24.991	50.8	0.0	0.0	0.0	0.0
57.0	22.846	36.362	25.029	49.8	0.0	0.0	0.0	0.0
58.0	22.832	36.364	25.035	48.9	0.0	0.0	0.0	0.0
59.0	22.754	36.352	25.049	47.6	0.0	0.0	0.0	0.0
60.0	22.708	36.359	25.068	47.4	0.0	0.0	0.0	0.0

Station: 36
 Cruise : 31-M3-1
 Ship : NORTH SEAL
 Position: Latitude: 27 52.90 N
 Longitude 93 56.24 W
 Time: Year Day Hour Minute
 1981 197 23 46

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cm ³	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
61.0	22.664	36.371	25.088	47.5	0.0	0.0	0.0	0.0
62.0	22.564	36.380	25.125	45.0	0.0	0.0	0.0	0.0
63.0	22.457	36.387	25.161	43.2	0.0	0.0	0.0	0.0
64.0	22.367	36.391	25.189	43.2	0.0	0.0	0.0	0.0
65.0	22.262	36.391	25.219	47.5	0.0	0.0	0.0	0.0
66.0	22.184	36.393	25.242	47.1	0.0	0.0	0.0	0.0
67.0	22.094	36.393	25.268	46.7	0.0	0.0	0.0	0.0
68.0	22.005	36.395	25.294	46.0	0.0	0.0	0.0	0.0
69.0	21.974	36.393	25.302	45.8	0.0	0.0	0.0	0.0
70.0	21.937	36.392	25.311	45.8	0.0	0.0	0.0	0.0
71.0	21.799	36.371	25.334	46.1	0.0	0.0	0.0	0.0
72.0	21.688	36.352	25.365	46.2	0.0	0.0	0.0	0.0
73.0	21.586	36.346	25.389	46.4	0.0	0.0	0.0	0.0
74.0	21.470	36.351	25.411	46.5	0.0	0.0	0.0	0.0
75.0	21.435	36.375	25.439	46.1	0.0	0.0	0.0	0.0
76.0	21.369	36.379	25.460	45.7	0.0	0.0	0.0	0.0
77.0	21.290	36.375	25.479	45.4	0.0	0.0	0.0	0.0
78.0	21.235	36.373	25.492	45.4	0.0	0.0	0.0	0.0
79.0	21.227	36.371	25.493	45.7	0.0	0.0	0.0	0.0
80.0	21.087	36.356	25.520	45.7	0.0	0.0	0.0	0.0
81.0	20.995	36.351	25.542	45.7	0.0	0.0	0.0	0.0
82.0	20.864	36.347	25.575	46.0	0.0	0.0	0.0	0.0
83.0	20.824	36.350	25.587	46.4	0.0	0.0	0.0	0.0
84.0	20.765	36.339	25.595	45.9	0.0	0.0	0.0	0.0
85.0	20.701	36.329	25.605	44.9	0.0	0.0	0.0	0.0
86.0	20.654	36.328	25.617	44.7	0.0	0.0	0.0	0.0
87.0	20.572	36.335	25.644	44.2	0.0	0.0	0.0	0.0
88.0	20.487	36.334	25.667	44.4	0.0	0.0	0.0	0.0
89.0	20.360	36.340	25.706	45.1	0.0	0.0	0.0	0.0
90.0	20.248	36.361	25.751	45.1	0.0	0.0	0.0	0.0
91.0	20.149	36.377	25.790	45.0	0.0	0.0	0.0	0.0
92.0	20.012	36.388	25.835	44.3	0.0	0.0	0.0	0.0
93.0	19.912	36.392	25.864	43.5	0.0	0.0	0.0	0.0
94.0	19.831	36.390	25.876	42.9	0.0	0.0	0.0	0.0
95.0	19.832	36.385	25.880	41.9	0.0	0.0	0.0	0.0
96.0	19.778	36.383	25.893	40.3	0.0	0.0	0.0	0.0
97.0	19.650	36.373	25.922	39.0	0.0	0.0	0.0	0.0
98.0	19.542	36.376	25.949	37.4	0.0	0.0	0.0	0.0
99.0	19.487	36.381	25.968	35.4	0.0	0.0	0.0	0.0
100.0	19.376	36.384	25.999	33.6	0.0	0.0	0.0	0.0
101.0	19.304	36.397	26.027	32.2	0.0	0.0	0.0	0.0
102.0	19.251	36.393	26.038	31.7	0.0	0.0	0.0	0.0
103.0	19.123	36.395	26.072	30.8	0.0	0.0	0.0	0.0
104.0	18.884	36.395	26.134	29.5	0.0	0.0	0.0	0.0
105.0	18.791	36.381	26.147	28.2	0.0	0.0	0.0	0.0
106.0	18.737	36.378	26.159	27.7	0.0	0.0	0.0	0.0
107.0	18.612	36.403	26.210	28.1	0.0	0.0	0.0	0.0
108.0	18.352	36.408	26.279	28.6	0.0	0.0	0.0	0.0
109.0	18.199	36.369	26.288	28.8	0.0	0.0	0.0	0.0
110.0	18.160	36.362	26.292	26.2	0.0	0.0	0.0	0.0

Station: 37
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 28 4.75 N
 Longitude 94 1.98 W
 Time: Year Day Hour Minute
 1981 198 1 30

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac des
4.0	29.920	34.498	21.398	53.9	0.0	0.0	0.0	0.0
5.0	29.920	34.502	21.401	53.9	0.0	0.0	0.0	0.0
6.0	29.909	34.512	21.411	53.2	0.0	0.0	0.0	0.0
7.0	29.849	34.621	21.514	53.5	0.0	0.0	0.0	0.0
8.0	29.629	35.177	22.006	54.1	0.0	0.0	0.0	0.0
9.0	29.425	35.641	22.423	54.6	0.0	0.0	0.0	0.0
10.0	29.396	35.678	22.461	54.7	0.0	0.0	0.0	0.0
11.0	29.365	35.706	22.492	54.7	0.0	0.0	0.0	0.0
12.0	29.334	35.775	22.555	54.7	0.0	0.0	0.0	0.0
13.0	29.354	35.883	22.628	54.8	0.0	0.0	0.0	0.0
14.0	29.365	35.936	22.665	55.0	0.0	0.0	0.0	0.0
15.0	29.364	35.970	22.691	55.2	0.0	0.0	0.0	0.0
16.0	29.350	35.979	22.702	55.4	0.0	0.0	0.0	0.0
17.0	29.323	35.988	22.718	55.4	0.0	0.0	0.0	0.0
18.0	29.311	35.998	22.730	54.8	0.0	0.0	0.0	0.0
19.0	29.315	36.021	22.745	54.5	0.0	0.0	0.0	0.0
20.0	29.290	36.028	22.759	55.1	0.0	0.0	0.0	0.0
21.0	29.245	36.038	22.781	55.3	0.0	0.0	0.0	0.0
22.0	29.190	36.053	22.811	55.2	0.0	0.0	0.0	0.0
23.0	29.151	36.060	22.830	55.2	0.0	0.0	0.0	0.0
24.0	29.132	36.067	22.842	55.1	0.0	0.0	0.0	0.0
25.0	29.094	36.084	22.867	54.8	0.0	0.0	0.0	0.0
26.0	29.055	36.125	22.911	54.9	0.0	0.0	0.0	0.0
27.0	28.997	36.152	22.950	54.9	0.0	0.0	0.0	0.0
28.0	28.965	36.192	22.997	54.4	0.0	0.0	0.0	0.0
29.0	28.838	36.267	23.091	54.4	0.0	0.0	0.0	0.0
30.0	28.624	36.291	23.180	55.1	0.0	0.0	0.0	0.0
31.0	28.371	36.243	23.228	55.3	0.0	0.0	0.0	0.0
32.0	28.049	36.205	23.306	54.5	0.0	0.0	0.0	0.0
33.0	27.695	36.178	23.401	53.8	0.0	0.0	0.0	0.0
34.0	27.411	36.124	23.453	53.0	0.0	0.0	0.0	0.0
35.0	27.162	36.085	23.504	52.8	0.0	0.0	0.0	0.0
36.0	26.937	36.064	23.560	53.0	0.0	0.0	0.0	0.0
37.0	26.647	35.998	23.603	53.2	0.0	0.0	0.0	0.0
38.0	26.333	35.934	23.654	52.7	0.0	0.0	0.0	0.0
39.0	26.158	35.972	23.737	52.6	0.0	0.0	0.0	0.0
40.0	26.035	36.097	23.870	52.3	0.0	0.0	0.0	0.0
41.0	25.585	36.212	24.098	51.7	0.0	0.0	0.0	0.0
42.0	24.816	36.209	24.331	51.9	0.0	0.0	0.0	0.0
43.0	24.196	36.214	24.521	52.3	0.0	0.0	0.0	0.0
44.0	23.823	36.215	24.633	52.0	0.0	0.0	0.0	0.0
45.0	23.454	36.190	24.723	51.2	0.0	0.0	0.0	0.0
46.0	23.065	36.197	24.842	50.9	0.0	0.0	0.0	0.0
47.0	22.836	36.184	24.898	50.7	0.0	0.0	0.0	0.0
48.0	22.750	36.198	24.933	50.4	0.0	0.0	0.0	0.0
49.0	22.566	36.215	24.998	50.2	0.0	0.0	0.0	0.0
50.0	22.296	36.238	25.093	49.8	0.0	0.0	0.0	0.0
51.0	22.133	36.245	25.145	49.4	0.0	0.0	0.0	0.0
52.0	22.037	36.244	25.171	49.3	0.0	0.0	0.0	0.0
53.0	21.970	36.247	25.193	49.2	0.0	0.0	0.0	0.0
54.0	21.901	36.242	25.208	48.8	0.0	0.0	0.0	0.0
55.0	21.842	36.238	25.221	48.1	0.0	0.0	0.0	0.0
56.0	21.823	36.231	25.222	47.2	0.0	0.0	0.0	0.0
57.0	21.809	36.236	25.229	46.1	0.0	0.0	0.0	0.0
58.0	21.795	36.241	25.236	45.0	0.0	0.0	0.0	0.0
59.0	21.326	36.281	25.398	43.8	0.0	0.0	0.0	0.0
60.0	21.020	36.303	25.498	42.1	0.0	0.0	0.0	0.0
61.0	20.889	36.305	25.536	39.9	0.0	0.0	0.0	0.0
62.0	20.665	36.316	25.605	37.5	0.0	0.0	0.0	0.0
63.0	20.354	36.340	25.707	34.6	0.0	0.0	0.0	0.0

Station: 37
 Cruise : S1-NS-1
 Ship : NORTH SEAL
 Position: Latitude 28 4.75 N
 Longitude 94 1.98 W
 Time: Year Day Hour Minute
 1981 198 1 30

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
64.0	20.116	36.348	25.777	31.6	0.0	0.0	0.0	0.0
65.0	19.894	36.354	25.814	23.7	0.0	0.0	0.0	0.0
66.0	19.967	36.355	25.822	25.6	0.0	0.0	0.0	0.0
67.0	19.767	36.349	25.865	23.0	0.0	0.0	0.0	0.0
68.0	19.608	36.378	25.984	20.3	0.0	0.0	0.0	0.0
69.0	19.571	36.381	25.946	17.9	0.0	0.0	0.0	0.0

Station: 38
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 28 15.03 N
 Longitude 94 7.09 W
 Time: Year Day Hour Minute
 1981 198 2 46

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dirac deg
1.0	30.153	32.505	19.825	51.3	0.0	0.0	0.0	0.0
2.0	30.176	32.526	19.834	52.1	0.0	0.0	0.0	0.0
3.0	30.172	32.603	19.893	52.7	0.0	0.0	0.0	0.0
4.0	30.114	32.674	19.967	52.6	0.0	0.0	0.0	0.0
5.0	30.008	32.917	20.184	52.2	0.0	0.0	0.0	0.0
6.0	29.931	33.154	20.388	52.1	0.0	0.0	0.0	0.0
7.0	29.844	33.173	20.432	52.0	0.0	0.0	0.0	0.0
8.0	29.783	33.175	20.454	52.6	0.0	0.0	0.0	0.0
9.0	29.750	33.174	20.464	52.8	0.0	0.0	0.0	0.0
10.0	29.696	33.174	20.484	52.2	0.0	0.0	0.0	0.0
11.0	29.586	33.338	20.643	51.2	0.0	0.0	0.0	0.0
12.0	29.497	33.485	20.782	50.6	0.0	0.0	0.0	0.0
13.0	29.452	33.534	20.834	50.5	0.0	0.0	0.0	0.0
14.0	29.379	33.643	20.944	50.2	0.0	0.0	0.0	0.0
15.0	29.265	34.085	21.311	49.9	0.0	0.0	0.0	0.0
16.0	29.231	34.509	21.639	50.0	0.0	0.0	0.0	0.0
17.0	29.270	34.650	21.732	50.5	0.0	0.0	0.0	0.0
18.0	29.326	34.814	21.836	51.1	0.0	0.0	0.0	0.0
19.0	29.381	34.871	21.860	51.7	0.0	0.0	0.0	0.0
20.0	28.969	34.921	22.036	52.2	0.0	0.0	0.0	0.0
21.0	28.600	35.000	22.218	52.6	0.0	0.0	0.0	0.0
22.0	28.341	35.041	22.335	53.2	0.0	0.0	0.0	0.0
23.0	28.223	35.049	22.380	53.3	0.0	0.0	0.0	0.0
24.0	27.997	35.084	22.481	53.0	0.0	0.0	0.0	0.0
25.0	27.574	35.152	22.674	52.4	0.0	0.0	0.0	0.0
26.0	27.244	35.247	22.847	51.2	0.0	0.0	0.0	0.0
27.0	27.098	35.291	22.927	50.5	0.0	0.0	0.0	0.0
28.0	26.966	35.342	23.007	50.7	0.0	0.0	0.0	0.0
29.0	26.782	35.403	23.116	51.5	0.0	0.0	0.0	0.0
30.0	26.579	35.494	23.245	51.6	0.0	0.0	0.0	0.0
31.0	26.363	35.592	23.392	51.0	0.0	0.0	0.0	0.0
32.0	26.074	35.712	23.543	50.3	0.0	0.0	0.0	0.0
33.0	25.671	35.804	23.763	50.0	0.0	0.0	0.0	0.0
34.0	25.323	35.898	23.941	49.4	0.0	0.0	0.0	0.0
35.0	25.139	35.903	24.003	48.5	0.0	0.0	0.0	0.0
36.0	24.661	35.948	24.195	48.3	0.0	0.0	0.0	0.0
37.0	23.982	36.050	24.461	49.2	0.0	0.0	0.0	0.0
38.0	23.543	36.132	24.651	50.0	0.0	0.0	0.0	0.0
39.0	23.012	36.175	24.840	49.8	0.0	0.0	0.0	0.0
40.0	22.193	36.193	25.033	48.9	0.0	0.0	0.0	0.0
41.0	21.733	36.224	25.241	48.0	0.0	0.0	0.0	0.0
42.0	21.359	36.274	25.363	47.3	0.0	0.0	0.0	0.0
43.0	21.102	36.300	25.473	44.8	0.0	0.0	0.0	0.0
44.0	20.927	36.310	25.529	41.2	0.0	0.0	0.0	0.0
45.0	20.851	36.313	25.556	37.5	0.0	0.0	0.0	0.0
46.0	20.842	36.313	25.558	35.1	0.0	0.0	0.0	0.0
47.0	20.842	36.317	25.558	33.0	0.0	0.0	0.0	0.0
48.0	20.841	36.316	25.557	30.9	0.0	0.0	0.0	0.0
49.0	20.814	36.312	25.561	28.9	0.0	0.0	0.0	0.0
50.0	20.755	36.304	25.571	26.5	0.0	0.0	0.0	0.0
51.0	20.670	36.306	25.596	23.6	0.0	0.0	0.0	0.0
52.0	20.474	36.323	25.661	19.2	0.0	0.0	0.0	0.0
53.0	20.395	36.311	25.674	14.6	0.0	0.0	0.0	0.0

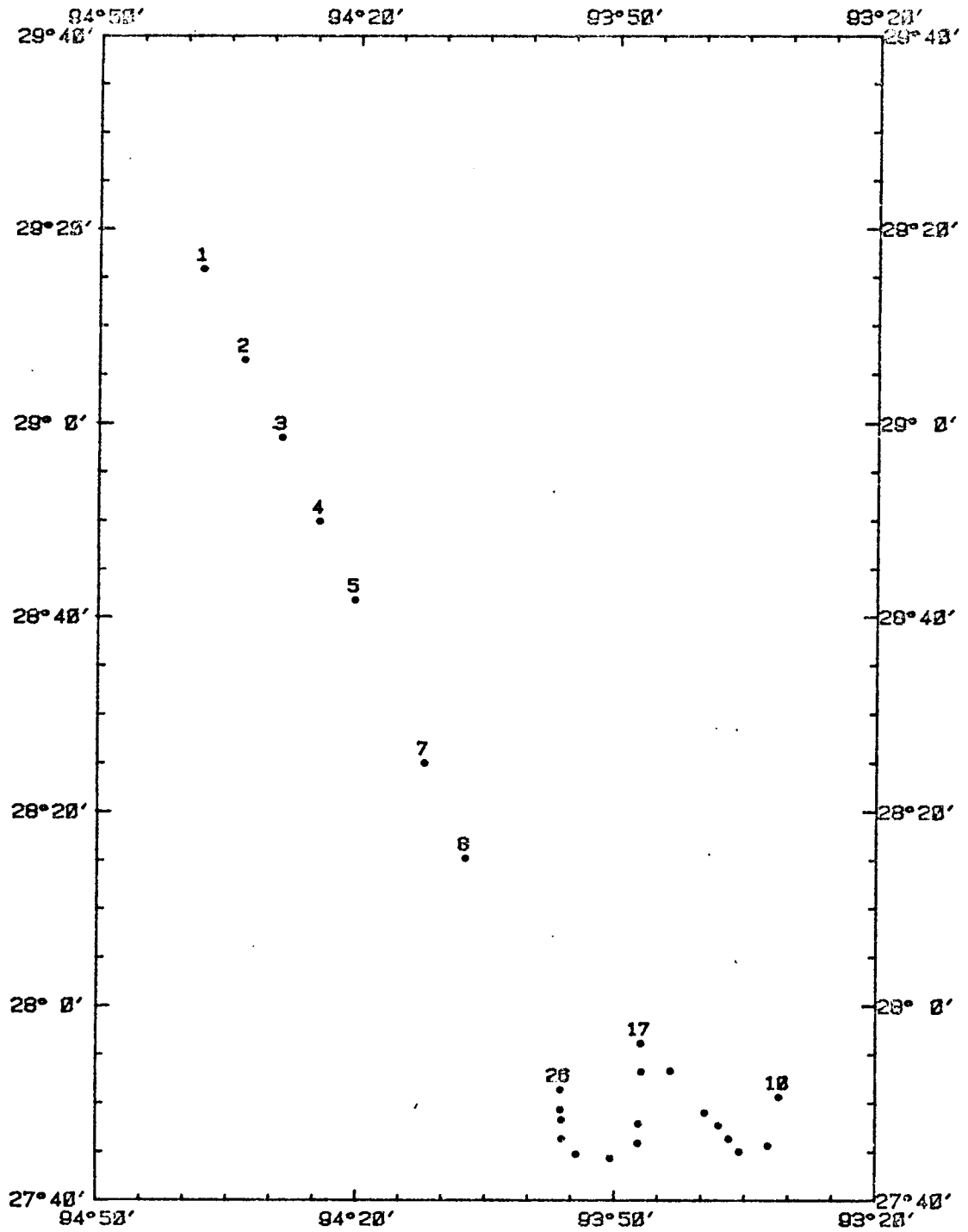
Station: 39
 Cruise: 41-NS-J
 Ship: NORTH SEAL
 Position: Latitude 28 24.99 N
 Longitude 94 12.22 W
 Time: Year Day Hour Minute
 1981 198 3 59

Depth m	Time des C	Sal ppt	Density kg/cu m	Trans %/m	u cm/s	v cm/s	Speed cm/s	Dir: deg
1.0	30.038	32.604	19.940	49.2	0.0	0.0	0.0	0.0
2.0	30.041	32.607	19.942	50.0	0.0	0.0	0.0	0.0
3.0	30.041	32.611	19.944	50.0	0.0	0.0	0.0	0.0
4.0	30.039	32.618	19.946	49.5	0.0	0.0	0.0	0.0
5.0	30.038	32.618	19.950	50.5	0.0	0.0	0.0	0.0
6.0	30.042	32.645	19.969	51.2	0.0	0.0	0.0	0.0
7.0	30.044	32.675	19.991	51.8	0.0	0.0	0.0	0.0
8.0	30.024	32.762	20.063	52.4	0.0	0.0	0.0	0.0
9.0	29.990	32.881	20.163	52.3	0.0	0.0	0.0	0.0
10.0	29.964	32.932	20.215	52.2	0.0	0.0	0.0	0.0
11.0	29.929	32.982	20.266	51.2	0.0	0.0	0.0	0.0
12.0	29.913	33.006	20.283	51.0	0.0	0.0	0.0	0.0
13.0	29.875	33.044	20.324	50.2	0.0	0.0	0.0	0.0
14.0	29.731	33.160	20.460	49.6	0.0	0.0	0.0	0.0
15.0	29.534	33.310	20.632	49.3	0.0	0.0	0.0	0.0
16.0	29.329	33.505	20.914	49.3	0.0	0.0	0.0	0.0
17.0	29.114	33.746	21.255	49.0	0.0	0.0	0.0	0.0
18.0	28.895	34.517	21.758	48.7	0.0	0.0	0.0	0.0
19.0	28.776	34.745	22.119	48.6	0.0	0.0	0.0	0.0
20.0	28.532	35.234	22.417	48.8	0.0	0.0	0.0	0.0
21.0	28.312	35.427	22.584	49.4	0.0	0.0	0.0	0.0
22.0	28.183	35.483	22.681	50.2	0.0	0.0	0.0	0.0
23.0	27.948	35.453	22.773	51.3	0.0	0.0	0.0	0.0
24.0	27.705	35.462	22.859	52.1	0.0	0.0	0.0	0.0
25.0	27.512	35.496	22.947	51.5	0.0	0.0	0.0	0.0
26.0	27.361	35.545	23.033	50.9	0.0	0.0	0.0	0.0
27.0	27.178	35.596	23.130	50.0	0.0	0.0	0.0	0.0
28.0	27.094	35.601	23.141	49.5	0.0	0.0	0.0	0.0
29.0	27.017	35.623	23.202	49.4	0.0	0.0	0.0	0.0
30.0	26.838	35.692	23.312	49.1	0.0	0.0	0.0	0.0
31.0	26.515	35.772	23.480	48.4	0.0	0.0	0.0	0.0
32.0	26.202	35.841	23.625	47.7	0.0	0.0	0.0	0.0
33.0	25.978	35.886	23.729	47.4	0.0	0.0	0.0	0.0
34.0	25.823	35.914	23.798	47.2	0.0	0.0	0.0	0.0
35.0	25.742	35.922	23.830	47.1	0.0	0.0	0.0	0.0
36.0	25.719	35.922	23.837	46.5	0.0	0.0	0.0	0.0
37.0	25.696	35.923	23.845	45.9	0.0	0.0	0.0	0.0
38.0	24.838	35.888	24.157	45.1	0.0	0.0	0.0	0.0
39.0	23.991	36.071	24.474	43.8	0.0	0.0	0.0	0.0
40.0	22.931	36.194	24.863	42.0	0.0	0.0	0.0	0.0
41.0	22.657	36.235	24.988	39.5	0.0	0.0	0.0	0.0
42.0	22.391	36.220	25.053	34.8	0.0	0.0	0.0	0.0
43.0	22.228	36.245	25.118	26.7	0.0	0.0	0.0	0.0

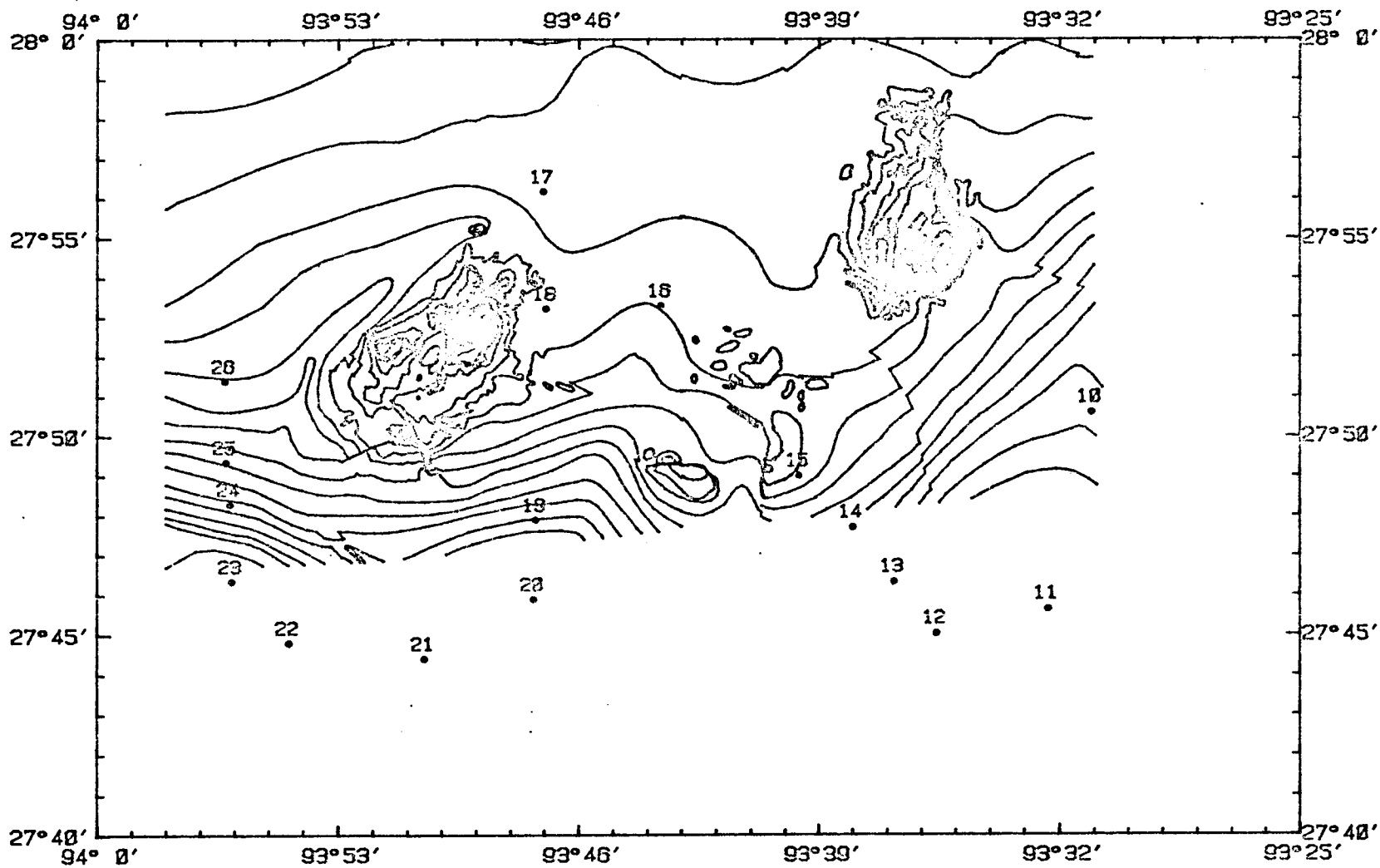
Station: 40
 Cruise : 81-NS-1
 Ship : NORTH SEAL
 Position: Latitude 38 24.81 N
 Longitude 94 11.95 W
 Time: Year Day Hour Minute
 1981 198 4 55

Depth m	Temp deg C	Sal ppt	Sigma-t kg/cu m	Trans %/m	U cm/s	V cm/s	Speed cm/s	Dirac deg
0.0	30.063	32.488	19.845	49.9	0.0	0.0	0.0	0.0
1.0	30.081	32.493	19.842	51.9	0.0	0.0	0.0	0.0
2.0	30.080	32.559	19.892	53.1	0.0	0.0	0.0	0.0
3.0	30.041	32.625	19.955	53.1	0.0	0.0	0.0	0.0
4.0	29.954	32.747	20.076	53.3	0.0	0.0	0.0	0.0
5.0	29.824	32.877	20.217	53.6	0.0	0.0	0.0	0.0
6.0	29.661	33.000	20.386	53.7	0.0	0.0	0.0	0.0
7.0	29.612	33.104	20.458	53.7	0.0	0.0	0.0	0.0
8.0	29.580	33.182	20.527	53.6	0.0	0.0	0.0	0.0
9.0	29.546	33.249	20.634	53.4	0.0	0.0	0.0	0.0
10.0	29.523	33.347	20.820	53.6	0.0	0.0	0.0	0.0
11.0	29.518	33.565	20.835	53.9	0.0	0.0	0.0	0.0
12.0	29.450	33.870	21.086	54.3	0.0	0.0	0.0	0.0
13.0	29.374	34.120	21.300	54.5	0.0	0.0	0.0	0.0
14.0	29.296	34.335	21.486	54.5	0.0	0.0	0.0	0.0
15.0	29.273	34.455	21.584	54.7	0.0	0.0	0.0	0.0
16.0	29.271	34.715	21.780	54.8	0.0	0.0	0.0	0.0
17.0	29.208	35.007	22.021	55.0	0.0	0.0	0.0	0.0
18.0	29.067	35.139	22.167	55.0	0.0	0.0	0.0	0.0
19.0	28.911	35.170	22.242	54.9	0.0	0.0	0.0	0.0
20.0	28.738	35.165	22.297	54.9	0.0	0.0	0.0	0.0
21.0	28.628	35.224	22.377	54.4	0.0	0.0	0.0	0.0
22.0	28.537	35.222	22.472	53.4	0.0	0.0	0.0	0.0
23.0	27.980	35.228	22.594	51.8	0.0	0.0	0.0	0.0
24.0	27.720	35.270	22.710	50.7	0.0	0.0	0.0	0.0
25.0	27.597	35.387	22.838	49.6	0.0	0.0	0.0	0.0
26.0	27.351	35.535	23.029	49.1	0.0	0.0	0.0	0.0
27.0	27.156	35.619	23.155	48.1	0.0	0.0	0.0	0.0
28.0	27.058	35.661	23.219	47.0	0.0	0.0	0.0	0.0
29.0	26.948	35.697	23.282	45.9	0.0	0.0	0.0	0.0
30.0	26.785	35.730	23.357	44.6	0.0	0.0	0.0	0.0
31.0	26.431	35.800	23.522	40.6	0.0	0.0	0.0	0.0
32.0	25.770	35.952	23.844	33.6	0.0	0.0	0.0	0.0
33.0	25.470	36.009	23.980	22.9	0.0	0.0	0.0	0.0
34.0	25.316	36.004	24.024	11.6	0.0	0.0	0.0	0.0
35.0	25.169	36.021	24.082	10.3	0.0	0.0	0.0	0.0

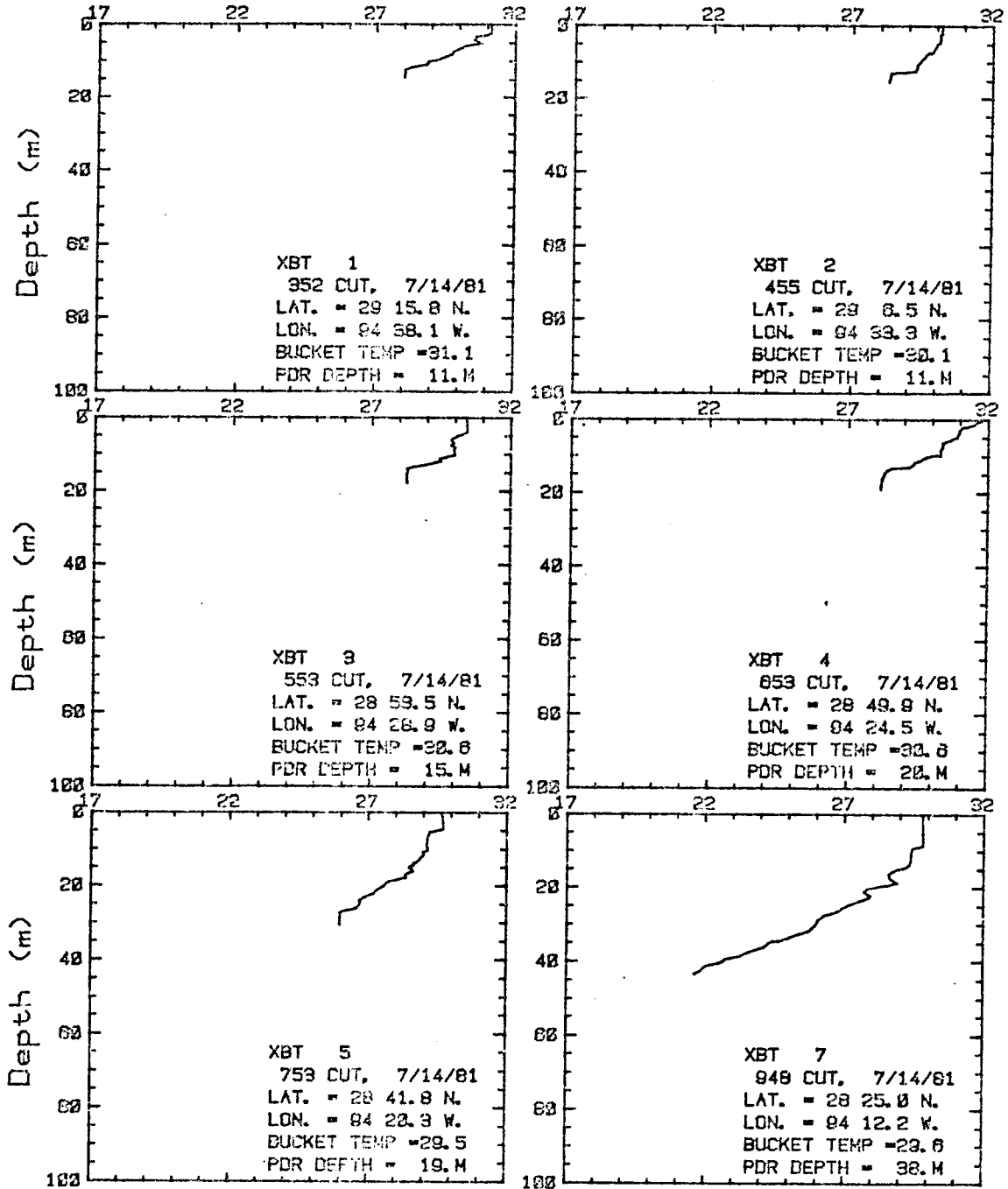
Cruise: 81-NS-1
XBT Positions
SHELF REGION



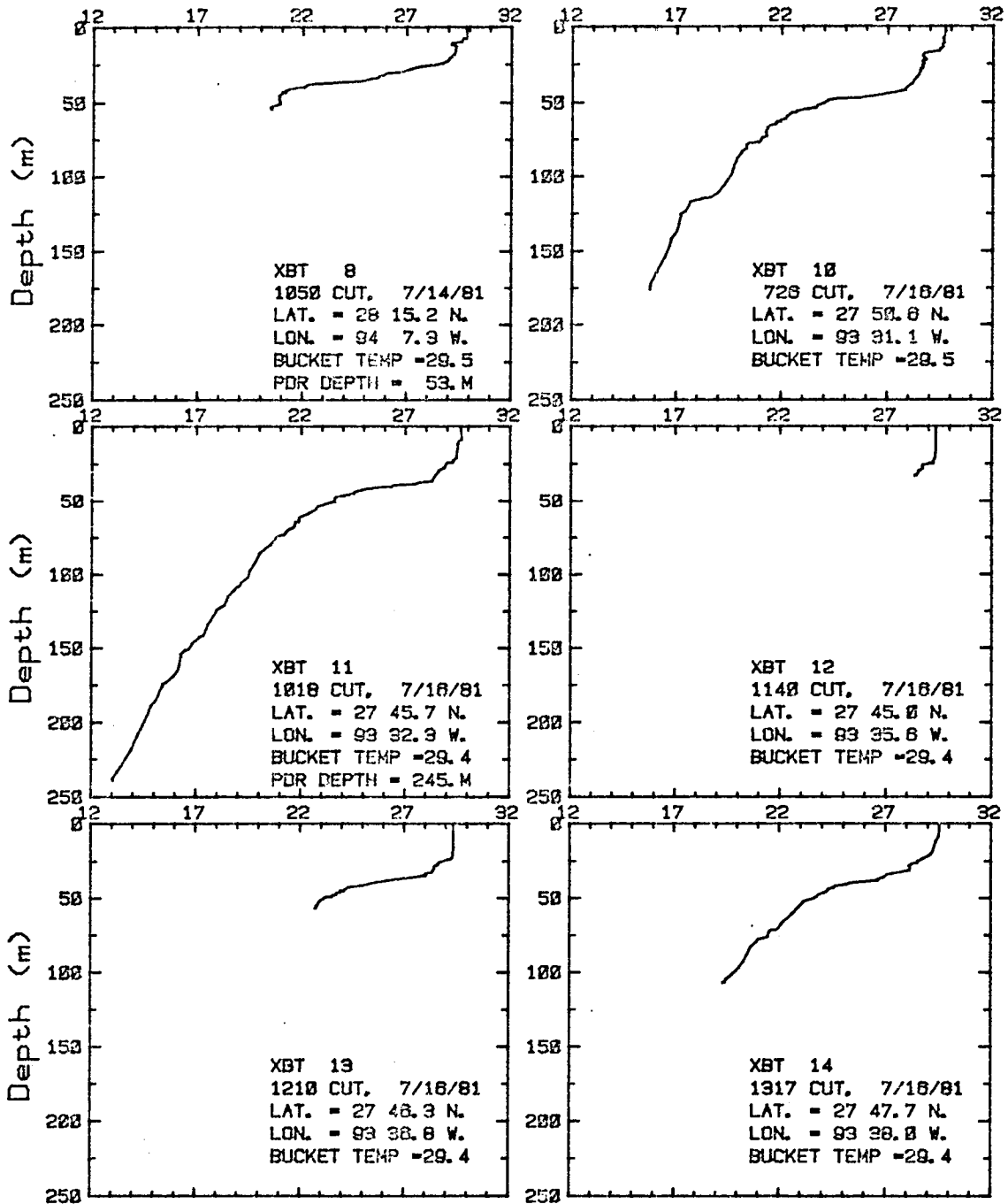
Cruise: 81-NS-1
XBT Positions
EAST AND WEST FLOWER GARDEN BANKS



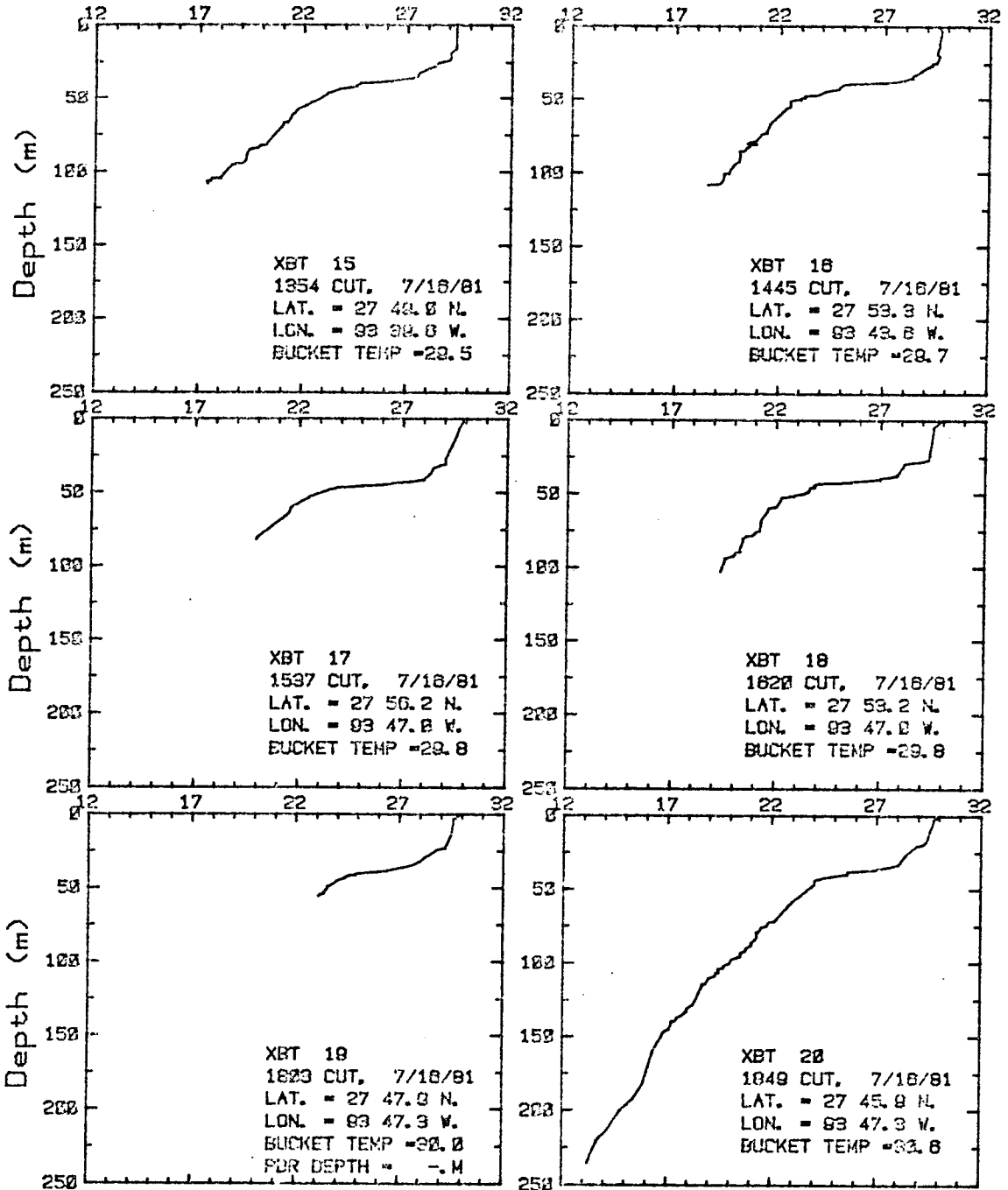
Temperature in Degrees Celsius



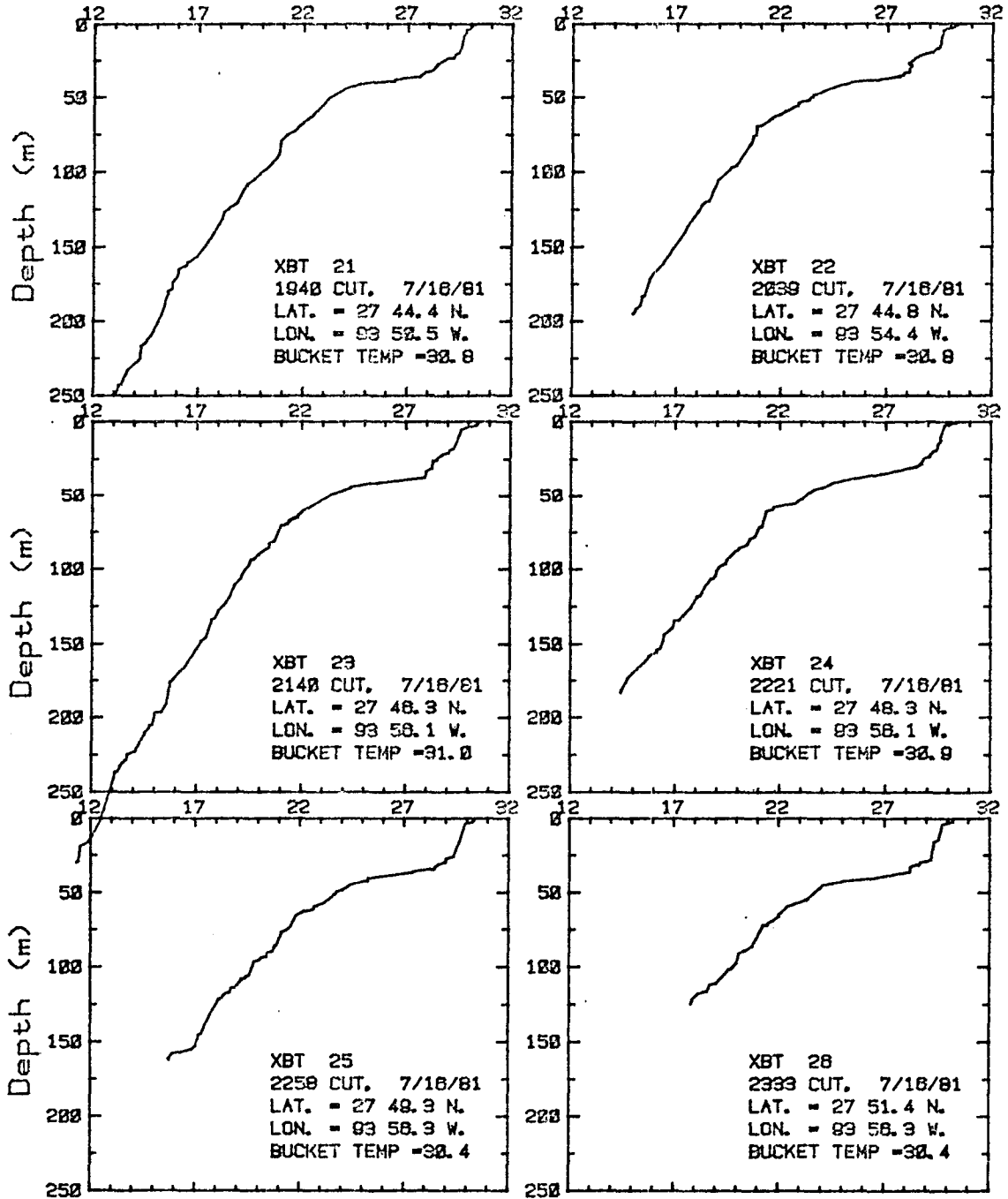
Temperature in Degrees Celsius



Temperature in Degrees Celsius



Temperature in Degrees Celsius



NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 1
 TIME = 352(CUT)
 LATITUDE = 29DEG. 15.84MIN.N.
 BUCKET TEMPERATURE = 31.10DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 PDR DEPTH = 11.0
 DATE = 7/14/81
 LONGITUDE = 94DEG. 38.06MIN.W.
 SURF. TEMP. DIFF. = -.03DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	31.13	31.10	4.9	30.76	30.73	9.6	29.22	29.19
2.3	31.14	31.10	5.4	30.62	30.58	10.0	29.60	28.97
2.9	31.00	30.97	5.6	30.59	30.36	10.2	28.88	28.85
3.2	30.69	30.66	5.8	30.22	30.18	11.0	28.72	28.74
3.3	30.60	30.56	6.6	30.08	29.99	11.3	28.51	28.48
3.8	30.60	30.56	7.5	29.77	29.73	11.8	28.23	28.20
4.1	30.54	30.51	8.1	29.71	29.68	12.3	28.05	28.02
4.6	30.66	30.62	8.7	29.51	29.48	13.4	28.02	27.97
						14.4	28.01	27.98

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 2
 TIME = 455(CUT)
 LATITUDE = 29DEG. 6.46MIN.N.
 BUCKET TEMPERATURE = 30.10DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 PDR DEPTH = 11.0
 DATE = 7/14/81
 LONGITUDE = 94DEG. 33.28MIN.W.
 SURF. TEMP. DIFF. = -.07DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.17	30.10	6.9	29.86	29.79	10.4	29.31	29.24
2.1	30.16	30.09	7.3	29.82	29.74	11.6	29.26	29.19
2.3	30.12	30.05	7.3	29.70	29.63	12.4	29.23	29.15
3.6	30.10	30.03	7.7	29.62	29.55	12.6	28.90	28.83
4.4	30.09	30.02	8.6	29.53	29.46	12.7	28.57	28.49
4.9	30.01	29.93	9.1	29.46	29.39	13.1	28.36	28.29
5.8	29.94	29.87	9.7	29.39	29.32	14.6	28.31	28.24
						15.1	28.29	28.22

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 3
 TIME = 553(CUT)
 LATITUDE = 28DEG. 58.53MIN.N.
 BUCKET TEMPERATURE = 30.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 PDR DEPTH = 14.6
 DATE = 7/14/81
 LONGITUDE = 94DEG. 28.89MIN.W.
 SURF. TEMP. DIFF. = .20DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.40	30.60	7.1	29.90	30.10	11.2	29.45	29.64
3.9	30.43	30.62	7.5	29.87	30.06	11.8	29.47	29.66
4.6	30.29	30.49	8.0	29.96	30.16	12.1	29.34	29.54
5.0	30.08	30.28	9.0	29.96	30.16	12.8	28.97	29.16
5.6	29.93	30.13	10.1	29.98	30.18	13.5	28.47	28.67
6.0	29.88	30.07	10.7	29.72	29.92	13.9	28.28	28.47
6.9	29.94	30.13	11.1	29.55	29.75	15.5	28.25	28.45
						17.1	28.25	28.45
						17.5	28.27	28.46

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 4
 TIME = 453(CUT)
 LATITUDE = 28DEG. 49.87MIN.N.
 BUCKET TEMPERATURE = 30.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 PDR DEPTH = 20.1
 DATE = 7/14/81
 LONGITUDE = 94DEG. 24.49MIN.W.
 SURF. TEMP. DIFF. = -1.26DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	31.86	30.60	6.0	30.49	29.23	11.6	29.39	28.13
1.0	31.52	30.26	6.4	30.38	29.13	12.2	29.31	28.05
1.4	31.49	30.23	7.5	30.35	29.09	13.0	29.18	27.92
1.9	31.26	30.00	8.2	30.30	29.04	13.2	28.90	27.64
2.1	31.07	29.81	9.2	30.28	29.02	13.3	28.56	27.30
2.8	30.99	29.73	9.7	30.29	29.03	13.8	28.39	27.13
3.3	30.93	29.67	9.9	29.97	28.71	14.5	28.30	27.04
4.9	30.87	29.61	10.3	29.80	28.54	16.1	28.19	26.94
5.3	30.75	29.49	10.6	29.69	28.43	17.9	28.15	26.89
5.8	30.64	29.38	11.3	29.51	28.25	18.8	28.15	26.89

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 5
 TIME = 753(CUT)
 LATITUDE = 28DEG. 41.76MIN.N.
 BUCKET TEMPERATURE = 29.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 PDR DEPTH = 19.2
 DATE = 7/14/81
 LONGITUDE = 94DEG. 20.33MIN.W.
 SURF. TEMP. DIFF. = -.13DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.63	29.50	12.4	28.90	28.77	18.6	27.92	27.79
1.1	29.68	29.55	12.9	28.85	28.72	18.8	27.77	27.64
2.8	29.70	29.57	13.5	28.76	28.63	19.1	27.70	27.57
4.6	29.71	29.57	13.9	28.66	28.53	20.2	27.54	27.41
5.2	29.42	29.29	14.3	28.64	28.50	21.2	27.33	27.20
5.4	29.21	29.07	14.6	28.57	28.43	22.2	27.19	27.06
6.8	29.15	29.02	15.0	28.50	28.36	22.7	27.02	26.89
8.0	29.13	29.00	15.4	28.56	28.42	23.3	26.84	26.70
9.1	29.11	28.97	15.9	28.61	28.48	24.0	26.72	26.58
9.5	29.15	29.02	16.2	28.55	28.42	25.2	26.68	26.55
10.3	29.14	29.01	16.6	28.43	28.30	26.0	26.58	26.45
10.6	29.05	28.92	16.9	28.36	28.22	26.4	26.43	26.30
10.8	29.00	28.86	17.4	28.35	28.21	26.8	26.15	26.02
11.4	28.99	28.86	17.7	28.37	28.24	27.3	26.00	25.87
11.7	28.99	28.85	18.1	28.14	28.00	28.6	25.97	25.84
						30.1	25.97	25.84
						30.5	25.98	25.84

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 7
 TIME = 948(CUT)
 LATITUDE = 29DEG. 25.00MIN. N.
 BUCKET TEMPERATURE = 29.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 PDR DEPTH = 38.4
 DATE = 7/14/81
 LONGITUDE = 94DEG. 12.18MIN. W.
 SURF. TEMP. DIFF. = -.19DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.79	29.60	19.8	28.21	28.02	33.3	25.10	24.91
8.4	29.82	29.63	20.5	27.82	27.63	34.5	24.71	24.52
8.9	29.68	29.49	21.1	27.72	27.53	34.6	24.43	24.24
9.3	29.44	29.25	21.8	27.51	27.32	35.1	24.29	24.10
10.8	29.39	29.20	22.2	27.92	27.73	36.1	24.12	23.94
12.4	29.38	29.19	22.9	27.87	27.68	36.9	23.82	23.63
13.8	29.33	29.14	24.0	27.46	27.27	37.5	23.56	23.37
14.6	29.19	29.00	24.7	27.17	26.98	38.5	23.29	23.10
15.1	28.90	28.71	25.8	26.91	26.72	38.8	23.14	22.96
15.8	28.70	28.52	26.4	26.78	26.59	39.2	22.90	22.71
16.2	28.61	28.42	27.1	26.52	26.33	39.4	22.70	22.51
16.8	28.60	28.42	27.6	26.26	26.07	40.0	22.64	22.45
17.7	28.65	28.46	28.9	26.05	25.87	40.5	22.51	22.32
18.1	28.77	28.58	30.4	25.93	25.74	41.0	22.15	21.96
18.7	28.87	28.69	31.1	25.83	25.64	41.4	21.99	21.80
19.3	28.63	28.44	31.8	25.73	25.54	42.6	21.82	21.63
						43.3	21.63	21.44

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 8
 TIME = 1050(CUT)
 LATITUDE = 28DEG. 15.22MIN. N.
 BUCKET TEMPERATURE = 29.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 PDR DEPTH = 53.0
 DATE = 7/14/81
 LONGITUDE = 94DEG. 7.35MIN. W.
 SURF. TEMP. DIFF. = -.32DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.82	29.50	18.9	29.24	28.92	35.3	24.92	24.60
3.0	29.84	29.54	20.2	29.13	28.81	36.0	24.43	24.12
6.4	29.85	29.53	21.1	29.05	28.73	36.5	23.65	23.34
7.6	29.83	29.51	22.0	29.00	28.68	37.4	22.53	22.21
7.8	29.74	29.42	22.8	28.96	28.64	38.0	22.29	21.97
8.0	29.69	29.36	23.2	28.87	28.56	38.9	22.14	21.82
8.8	29.65	29.34	23.7	28.81	28.49	39.6	22.07	21.76
10.0	29.64	29.33	24.3	28.72	28.40	40.0	21.67	21.35
10.3	29.52	29.20	25.6	28.18	27.86	40.8	21.38	21.06
10.6	29.32	29.00	26.3	27.63	27.31	42.0	21.13	20.87
10.8	29.18	28.86	27.0	27.39	27.07	42.6	21.15	20.84
11.2	29.15	28.83	27.3	26.82	26.50	43.0	21.04	20.72
11.5	29.13	28.82	29.8	26.63	26.31	45.1	20.88	20.56
11.9	29.13	28.81	30.1	26.30	25.98	47.3	20.86	20.54
12.2	29.24	28.92	30.7	26.00	25.69	49.3	20.88	20.57
12.6	29.30	28.99	31.3	25.93	25.61	50.6	20.89	20.57
13.2	29.35	29.03	32.1	25.80	25.48	51.7	20.74	20.42
14.4	29.34	29.02	32.6	25.66	25.34	52.2	20.59	20.28
16.0	29.32	29.00	33.1	25.60	25.29	52.8	20.47	20.15
17.6	29.29	28.98	33.5	25.55	25.23	53.8	20.48	20.17
18.3	29.26	28.94	34.0	25.29	24.98	53.9	20.50	20.19

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 10
 TIME = 726(CUT)
 LATITUDE = 27DEG. 50.6MIN.N.
 BUCKET TEMPERATURE = 29.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/ 6/81
 LONGITUDE = 23DEG. 31.10MIN.W.
 SURF. TEMP. DIFF. = -.24DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.74	29.50	37.2	28.17	27.93	72.7	21.30	21.06
2.6	29.75	29.51	39.3	27.96	27.72	73.8	21.10	20.86
7.1	29.69	29.45	40.5	27.86	27.62	75.5	21.01	20.77
7.5	29.65	29.40	41.5	27.85	27.61	76.9	20.97	20.72
11.0	29.67	29.42	42.3	27.71	27.47	77.7	20.45	20.21
11.7	29.62	29.38	44.7	26.78	26.54	78.6	20.35	20.11
13.8	29.62	29.38	46.8	25.71	25.47	81.1	20.32	20.08
14.5	29.53	29.28	47.6	24.47	24.23	83.0	20.15	19.91
14.5	29.42	29.18	48.6	24.17	23.93	88.2	19.88	19.64
17.3	28.96	28.72	50.3	23.97	23.73	92.9	19.75	19.51
18.1	28.73	28.49	52.0	23.68	23.44	98.8	19.62	19.37
19.1	28.68	28.44	53.2	23.62	23.38	102.7	19.42	19.18
20.5	28.70	28.46	54.9	22.90	22.66	110.4	19.05	18.81
21.4	28.76	28.52	55.6	22.72	22.48	112.5	18.88	18.64
22.2	28.80	28.55	56.3	22.69	22.45	114.2	18.66	18.41
22.6	28.71	28.47	56.7	22.50	22.26	115.9	18.05	17.80
23.2	28.67	28.43	59.0	22.26	22.02	117.5	17.65	17.41
24.6	28.70	28.46	60.6	22.21	21.97	121.3	17.50	17.26
25.6	28.65	28.41	61.5	22.00	21.76	123.4	17.43	17.19
27.0	28.67	28.43	62.5	21.97	21.72	125.3	17.21	16.97
27.5	28.65	28.41	62.9	21.78	21.54	131.4	17.11	16.87
28.0	28.57	28.33	64.1	21.75	21.50	136.7	17.01	16.77
30.8	28.50	28.26	65.3	21.50	21.26	141.9	16.75	16.50
31.6	28.49	28.25	66.4	21.36	21.12	146.1	16.68	16.44
33.1	28.38	28.14	69.1	21.27	21.03	152.8	16.48	16.24
35.0	28.27	28.03	69.7	21.27	21.02	164.1	16.05	15.81
						172.3	15.77	15.53
						175.7	15.73	15.49

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 11
 TIME = 1018(CUT)
 LATITUDE = 27DEG. 45.66MIN.N.
 BUCKET TEMPERATURE = 29.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 MAX DEPTH = 245.1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 32.34MIN.W.
 SURF. TEMP. DIFF. = -.25DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.65	29.40	50.8	23.44	23.19	120.9	18.35	18.10
8.8	29.70	29.45	51.3	23.33	23.13	122.6	18.17	17.92
10.0	29.58	29.33	54.1	22.79	22.55	123.8	18.00	17.75
11.5	29.51	29.27	56.0	22.71	22.46	131.3	17.69	17.44
17.8	29.46	29.22	56.9	22.64	22.39	133.6	17.57	17.32
20.9	29.44	29.19	59.0	22.42	22.17	140.6	17.39	17.15
22.4	29.31	29.06	62.5	21.90	21.65	141.3	17.37	17.12
23.7	29.28	29.03	65.0	21.87	21.63	142.4	17.20	16.96
24.3	28.98	28.74	65.3	21.75	21.50	146.8	16.83	16.58
27.3	28.86	28.62	66.3	21.65	21.40	151.0	16.63	16.39
29.4	28.60	28.35	70.7	21.32	21.07	151.3	16.47	16.23
33.1	28.41	28.16	71.5	21.27	21.03	153.6	16.30	16.05
36.2	28.27	28.03	72.9	21.19	20.94	164.2	16.15	15.91
37.1	27.62	27.37	74.5	20.83	20.58	168.1	15.98	15.74
37.9	27.54	27.29	78.8	20.60	20.36	173.3	15.58	15.34
39.2	26.39	26.15	80.1	20.53	20.28	174.3	15.43	15.18
39.9	26.32	26.07	82.7	20.29	20.05	179.9	15.24	15.00
40.6	25.59	25.34	86.1	20.01	19.77	184.9	15.08	14.84
41.1	25.42	25.18	90.7	19.87	19.62	188.6	14.86	14.62
41.5	25.08	24.84	97.7	19.54	19.30	195.5	14.67	14.42
43.8	24.55	24.30	101.6	19.46	19.21	201.5	14.47	14.22
44.6	24.51	24.27	105.3	19.13	18.89	208.3	14.22	13.98
45.0	24.43	24.18	107.9	19.07	18.83	218.4	13.92	13.67
47.4	23.64	23.39	108.6	18.95	18.71	229.0	13.46	13.21
49.4	23.60	23.35	110.4	18.84	18.59	232.9	13.25	13.01
50.3	23.61	23.36	115.5	18.50	18.26	237.2	13.05	12.81
						238.0	13.05	12.80
						238.7	13.03	12.79

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 12
 TIME = 1140(CUT)
 LATITUDE = 27DEG. 45.05MIN.N.
 BUCKET TEMPERATURE = 29.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 35.59MIN.W.
 SURF. TEMP. DIFF. = .05DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.35	29.40	24.4	29.22	29.27	29.5	28.54	28.59
16.6	29.34	29.39	25.7	28.72	28.77	31.2	28.49	28.53
20.7	29.31	29.35	27.7	28.71	28.76	32.3	28.43	28.48
22.9	29.23	29.28	29.0	28.66	28.71	32.6	28.38	28.43

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 13
 TIME = 1210(CUT)
 LATITUDE = 27DEG. 46.33MIN.N.
 BUCKET TEMPERATURE = 29.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 36.82MIN.W.
 SURF. TEMP. DIFF. = .05DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.35	29.40	32.8	28.18	28.23	44.9	24.10	24.15
18.3	29.34	29.41	33.3	28.07	28.12	45.0	23.95	24.00
18.8	29.32	29.37	33.6	28.02	28.07	46.2	23.93	23.93
22.7	29.31	29.36	34.0	28.04	28.09	46.5	23.79	23.84
23.3	29.24	29.29	34.7	28.04	28.09	47.6	23.73	23.73
25.6	28.68	28.73	35.6	27.58	27.63	48.0	23.60	23.65
26.6	28.63	28.68	37.1	26.67	26.72	48.9	23.56	23.61
27.4	28.60	28.65	39.2	25.70	25.75	49.6	23.20	23.25
28.0	28.48	28.53	41.3	25.04	25.09	51.7	22.96	23.01
29.3	28.42	28.47	42.7	24.34	24.39	54.7	22.80	22.85
32.2	28.34	28.39	44.3	24.14	24.19	56.4	22.75	22.80

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 14
 TIME = 1317(CUT)
 LATITUDE = 27DEG. 47.72MIN.N.
 BUCKET TEMPERATURE = 29.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 38.02MIN.W.
 SURF. TEMP. DIFF. = -.15DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.55	29.40	37.8	26.63	26.48	67.4	22.10	21.95
5.1	29.56	29.41	39.4	25.57	25.42	70.2	21.96	21.81
8.8	29.50	29.35	40.0	25.28	25.13	71.4	21.90	21.74
11.3	29.39	29.24	40.7	25.18	25.02	71.9	21.54	21.39
17.3	29.24	29.09	41.9	24.62	24.46	76.3	21.44	21.29
20.5	29.13	28.98	42.8	24.56	24.41	77.0	21.26	21.11
23.5	28.75	28.59	44.0	24.30	24.14	77.9	21.00	20.85
25.0	28.55	28.40	45.4	24.25	24.09	83.2	20.64	20.48
26.6	28.53	28.37	46.7	24.08	23.92	88.8	20.44	20.29
27.0	28.23	28.08	47.7	23.87	23.71	91.4	20.36	20.21
27.8	28.15	27.99	49.8	23.68	23.52	96.8	20.08	19.93
31.2	28.14	27.99	51.6	23.34	23.19	100.3	19.85	19.70
33.0	27.49	27.34	52.5	23.14	22.98	102.7	19.61	19.46
34.0	27.10	26.94	55.7	22.93	22.77	104.1	19.50	19.35
35.9	26.88	26.73	58.0	22.79	22.63	106.0	19.42	19.26
37.1	26.67	26.51	59.6	22.69	22.54	106.6	19.34	19.18

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 15
 TIME = 1354 (CUT)
 LATITUDE = 27DEG. 49.01MIN. N.
 BUCKET TEMPERATURE = 29.50DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 39.62MIN. W.
 SURF. TEMP. DIFF. = .16DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.34	29.50	41.4	24.51	24.67	80.3	20.29	20.45
14.3	29.32	29.43	42.5	24.11	24.27	82.2	20.23	20.39
17.9	29.15	29.32	43.3	23.71	23.87	82.7	19.90	20.06
18.4	29.10	29.26	45.2	23.40	23.56	84.1	19.85	20.01
22.3	29.06	29.22	46.0	23.18	23.34	84.7	19.65	19.81
24.0	28.92	29.08	49.9	22.86	23.02	85.2	19.41	19.57
25.4	28.49	28.65	51.1	22.74	22.90	86.8	19.29	19.45
27.6	28.31	28.47	53.3	22.37	22.54	92.2	19.23	19.39
30.3	27.85	28.01	55.5	22.13	22.29	94.0	19.14	19.32
32.1	27.59	27.75	58.0	21.75	21.91	94.6	18.81	18.97
34.0	27.51	27.67	61.8	21.46	21.62	95.1	18.60	18.76
35.6	27.26	27.42	66.2	21.24	21.40	98.0	18.40	18.56
36.9	26.50	26.66	66.5	21.06	21.22	101.2	18.20	18.36
37.9	26.15	26.31	69.7	20.92	21.09	103.9	18.05	18.21
38.4	25.52	25.68	72.9	20.70	20.86	104.5	18.03	18.19
38.7	25.36	25.52	75.7	20.55	20.71	104.8	17.61	17.77
39.1	24.75	24.91	78.9	20.37	20.53	106.4	17.57	17.74
						106.9	17.41	17.58
						108.0	17.40	17.56

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 16
 TIME = 1445 (CUT)
 LATITUDE = 27DEG. 53.29MIN. N.
 BUCKET TEMPERATURE = 29.70DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 43.61MIN. W.
 SURF. TEMP. DIFF. = .15DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.55	29.70	40.2	24.93	25.08	78.2	20.85	21.00
2.9	29.69	29.83	41.4	24.82	24.97	79.7	20.53	20.68
15.4	29.55	29.69	42.3	24.78	24.93	80.3	20.45	20.60
18.0	29.46	29.61	44.5	24.09	24.24	80.6	20.69	20.84
19.7	29.56	29.71	47.1	23.73	23.88	80.9	20.81	20.96
22.1	29.53	29.68	47.8	23.14	23.29	81.2	20.59	20.74
24.3	29.44	29.59	48.9	23.14	23.29	83.2	20.43	20.58
24.7	29.28	29.43	49.6	23.00	23.15	85.3	20.27	20.41
25.2	29.23	29.38	49.6	22.97	23.12	85.8	20.08	20.23
25.7	29.25	29.40	50.5	22.63	22.77	92.5	20.03	20.18
28.2	28.88	29.03	51.6	22.49	22.64	93.8	19.83	19.98
29.7	28.73	28.88	55.7	22.46	22.61	97.8	19.61	19.76
33.3	28.30	28.45	56.1	22.39	22.54	100.4	19.53	19.68
34.5	28.29	28.44	56.9	22.29	22.44	100.8	19.32	19.47
37.0	27.61	27.76	66.4	21.50	21.65	104.8	19.23	19.43
37.5	27.22	27.37	71.5	21.36	21.51	107.4	19.17	19.32
37.7	27.11	27.26	72.7	21.35	21.50	108.0	19.06	19.20
39.1	25.02	25.17	73.7	21.12	21.27	108.6	18.55	18.70

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 17
 TIME = 1537(CUT)
 LATITUDE = 27DEG. 56.17MIN.N.
 BUCKET TEMPERATURE = 29.80DEG. C.
 REMARKS:

512
 NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 47.04MIN.W.
 SURF. TEMP. DIFF. = -.07DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.87	29.80	33.6	28.46	28.38	48.2	23.45	23.38
1.6	29.87	29.79	37.2	28.31	28.23	52.6	22.58	22.51
6.6	29.66	29.59	41.5	27.98	27.91	60.5	21.59	21.52
14.5	29.45	29.38	42.6	27.47	27.39	63.9	21.50	21.42
21.7	29.21	29.14	43.7	26.52	26.45	66.0	21.35	21.28
27.2	29.03	28.95	44.5	26.35	26.27	72.5	20.72	20.65
30.7	29.06	28.99	45.8	24.99	24.92	78.2	20.20	20.13
31.6	28.77	28.69	46.7	23.86	23.79	80.6	20.00	19.92
						81.8	19.95	19.88

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 18
 TIME = 1620(CUT)
 LATITUDE = 27DEG. 53.22MIN.N.
 BUCKET TEMPERATURE = 29.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 46.96MIN.W.
 SURF. TEMP. DIFF. = .01DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.79	29.80	41.8	25.60	25.61	59.5	21.78	21.79
.4	29.83	29.83	42.3	25.57	25.58	59.9	21.68	21.69
1.1	29.78	29.79	43.2	24.05	24.05	68.0	21.30	21.31
3.5	29.65	29.66	43.5	23.94	23.95	75.3	21.22	21.23
4.7	29.53	29.54	43.9	23.86	23.87	76.1	21.05	21.05
26.5	29.30	29.31	44.4	23.82	23.82	78.0	20.93	20.93
27.3	29.12	29.13	45.5	23.82	23.83	78.4	20.88	20.89
27.9	29.04	29.04	46.1	23.64	23.65	78.9	20.59	20.60
29.4	28.14	28.15	48.7	23.53	23.54	80.4	20.45	20.46
32.6	28.01	28.02	49.1	23.44	23.45	88.9	20.27	20.27
34.7	27.93	27.94	49.8	23.39	23.39	89.5	20.29	20.30
36.4	27.81	27.82	51.0	22.92	22.93	90.3	20.09	20.10
37.6	27.79	27.79	51.5	22.89	22.89	92.3	19.99	20.00
38.7	27.44	27.45	52.7	22.27	22.28	93.5	19.74	19.74
39.4	27.00	27.01	54.7	22.21	22.22	93.9	19.57	19.58
40.3	26.97	26.98	59.0	22.03	22.04	100.4	19.42	19.42
						102.3	19.36	19.37

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 19
 TIME = 1803(OUT)
 LATITUDE = 27DEG. 47.89MIN.N.
 BUCKET TEMPERATURE = 30.05DEG. C.
 REMARKS: TRACE BAD AFTER 50 M

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 98DEG. 47.26MIN.W.
 SURF. TEMP. DIFF. = .19DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	29.61	30.00	29.3	28.24	28.43	42.6	24.40	24.59
1.5	29.60	29.99	32.1	28.00	28.19	43.3	24.38	24.56
2.4	29.74	29.93	34.6	27.64	27.83	45.2	24.00	24.18
3.3	29.59	29.78	37.8	26.65	26.83	48.3	23.69	23.88
13.6	29.49	29.68	38.3	26.41	26.60	49.0	23.55	23.73
19.6	29.31	29.50	35.6	26.41	26.59	51.1	23.45	23.64
22.3	29.22	29.40	40.2	25.06	25.25	53.0	23.35	23.53
23.1	29.20	29.39	40.6	24.91	25.10	54.1	23.32	23.51
24.5	28.76	28.94	41.1	24.89	25.08	54.5	23.19	23.38
26.7	28.57	28.75	41.6	24.59	24.78	55.3	23.11	23.30

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 20
 TIME = 1849(OUT)
 LATITUDE = 27DEG. 45.89MIN.N.
 BUCKET TEMPERATURE = 30.60DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 98DEG. 47.32MIN.W.
 SURF. TEMP. DIFF. = .55DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.05	30.60	71.6	22.16	22.71	110.6	18.99	19.53
1.3	29.89	30.43	72.7	21.85	22.40	114.3	18.85	19.39
2.4	29.73	30.27	75.0	21.76	22.31	114.6	18.70	19.25
15.4	29.44	29.98	76.1	21.51	22.05	128.2	18.24	18.79
17.8	29.37	29.91	78.9	21.33	21.92	131.2	17.94	18.49
19.7	29.21	29.75	79.2	21.30	21.84	133.0	17.94	18.48
20.6	28.91	29.45	83.1	21.23	21.82	135.9	17.70	18.25
27.1	28.37	28.92	84.1	21.05	21.60	137.3	17.50	18.05
30.4	28.18	28.73	88.2	21.02	21.57	139.4	17.39	17.93
32.8	28.09	28.64	90.0	20.80	21.35	139.7	17.24	17.79
34.0	27.85	28.39	91.9	20.74	21.28	145.1	17.10	17.64
35.4	27.33	27.93	93.0	20.54	21.09	146.2	16.93	17.48
36.0	27.08	27.62	95.4	20.49	21.04	147.4	16.83	17.37
36.8	26.94	27.49	97.7	20.07	20.61	160.2	16.33	16.87
38.2	25.62	26.16	100.4	19.93	20.53	182.9	15.83	16.38
39.7	25.59	26.14	101.9	19.75	20.29	192.7	15.38	15.93
42.0	24.54	25.08	103.6	19.69	20.23	200.8	14.75	15.29
43.8	24.05	24.59	104.3	19.47	20.02	213.4	14.17	14.71
46.8	24.00	24.55	106.7	19.47	20.01	218.5	13.80	14.34
60.6	22.81	23.35	106.8	19.37	19.92	220.5	13.67	14.21
69.8	22.25	22.80	109.3	19.26	19.80	230.9	13.34	13.88
						235.8	13.22	13.76

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 21
 TIME = 1940 (CUT)
 LATITUDE = 27DEG. 44.40MIN. N.
 BUCKET TEMPERATURE = 30.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 50.50MIN. W.
 SURF. TEMP. DIFF. = .43DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.37	30.80	43.8	24.00	24.43	142.0	17.67	18.10
2.2	30.02	30.45	47.5	23.57	24.00	149.1	17.33	17.76
3.1	29.97	30.40	50.7	23.20	23.63	155.2	17.00	17.43
3.8	29.82	30.25	54.5	22.98	23.41	158.9	16.69	17.12
8.8	29.69	30.12	61.3	22.49	22.92	160.1	16.49	16.92
17.0	29.56	29.99	64.3	22.26	22.69	162.5	16.43	16.86
20.1	29.44	29.87	66.3	22.04	22.47	165.2	16.07	16.50
20.9	29.32	29.75	68.9	21.80	22.23	169.4	16.03	16.46
23.2	29.22	29.65	72.2	21.60	22.03	174.3	15.78	16.21
23.7	28.90	29.33	75.1	21.21	21.64	178.5	15.75	16.18
24.8	28.80	29.23	79.3	20.92	21.35	179.7	15.58	16.01
27.2	28.46	28.89	88.0	20.84	21.27	193.1	15.31	15.74
31.0	28.24	28.67	92.8	20.58	21.01	200.4	15.10	15.53
32.3	28.05	28.48	96.9	20.29	20.72	209.0	14.79	15.22
32.5	27.87	28.30	100.9	19.95	20.38	212.0	14.61	15.04
34.1	27.71	28.14	104.6	19.69	20.12	214.6	14.49	14.92
34.9	27.61	28.04	108.4	19.33	19.76	216.6	14.30	14.73
35.5	27.60	28.03	115.4	19.03	19.46	225.6	14.22	14.65
36.5	26.92	27.35	119.0	18.90	19.33	232.8	13.65	14.08
37.7	26.38	26.81	120.8	18.83	19.26	238.9	13.44	13.87
38.6	26.33	26.76	124.1	18.46	18.89	242.6	13.34	13.77
39.6	25.37	25.80	126.9	18.22	18.65	243.3	13.23	13.66
40.9	24.70	25.13	132.1	18.10	18.53	247.6	13.14	13.57

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 22
 TIME = 2039 (CUT)
 LATITUDE = 27DEG. 44.80MIN. N.
 BUCKET TEMPERATURE = 30.80DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 54.42MIN. W.
 SURF. TEMP. DIFF. = .34DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.46	30.80	35.2	27.59	27.93	75.6	20.70	21.04
1.2	30.28	30.63	35.7	27.59	27.94	80.8	20.56	20.90
2.7	30.07	30.41	37.4	26.67	27.01	91.4	20.06	20.40
3.3	29.83	30.17	37.9	26.59	26.93	96.1	19.83	20.18
4.3	29.66	30.01	38.8	25.59	25.94	97.1	19.61	19.96
15.7	29.51	29.86	39.6	25.26	25.60	105.3	19.04	19.38
16.9	29.42	29.76	40.4	25.15	25.49	105.5	19.00	19.34
17.9	29.30	29.64	41.4	24.79	25.13	119.5	18.55	18.89
19.5	29.18	29.52	45.2	24.02	24.36	120.1	18.39	18.73
20.6	28.81	29.16	47.8	23.62	23.96	121.2	18.30	18.64
21.9	28.55	28.89	48.1	23.53	23.87	122.0	18.22	18.56
23.7	28.32	28.66	50.6	23.37	23.72	125.2	18.09	18.44
25.1	28.22	28.56	52.1	23.30	23.65	130.1	17.83	18.18
26.0	28.11	28.46	53.0	22.97	23.31	135.8	17.54	17.88
26.7	28.07	28.41	53.6	22.81	23.16	140.6	17.39	17.73
27.0	28.02	28.36	55.7	22.77	23.11	149.8	16.91	17.26
27.3	28.04	28.38	56.8	22.62	22.96	162.0	16.32	16.66
27.6	28.09	28.43	58.7	22.37	22.71	168.1	15.89	16.23
28.8	28.14	28.48	59.4	22.22	22.57	171.3	15.73	16.07
30.9	28.06	28.40	61.4	21.99	22.33	183.0	15.46	15.80
32.8	28.02	28.36	62.7	21.70	22.04	183.5	15.36	15.70
33.1	27.83	28.17	68.6	21.06	21.40	189.5	15.26	15.60
34.1	27.77	28.12	69.2	20.83	21.17	191.6	15.07	15.42
34.6	27.75	28.09	74.9	20.79	21.14	194.8	14.93	15.27

NOBC COUNTRY CODE = 32
 NOBC SHIP CODE = NR
 XBT NUMBER = 23
 TIME = 2140(OUT)
 LATITUDE = 27DEG. 46.35MIN.N.
 BUCKET TEMPERATURE = 31.00DEG. C.
 REMARKS:

NOBC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 56.09MIN.W.
 SURF. TEMP. DIFF. = .52DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.48	31.00	61.7	22.05	22.57	147.9	17.22	17.74
2.3	30.40	30.92	64.2	21.84	22.36	166.1	16.41	16.93
4.4	29.81	30.34	65.2	21.83	22.35	174.7	15.88	16.40
5.5	29.44	30.14	66.2	21.63	22.15	176.1	15.76	16.28
17.5	29.50	29.82	67.6	21.42	21.94	190.8	15.57	16.09
18.7	29.11	29.63	69.6	21.30	21.82	196.6	15.33	15.86
20.4	29.02	29.55	70.9	21.00	21.52	197.0	15.08	15.55
21.8	28.76	29.28	81.3	20.72	21.24	204.8	14.90	15.42
24.1	28.54	29.06	83.5	20.47	20.99	205.3	14.79	15.31
25.6	28.49	29.01	85.9	20.45	20.97	207.3	14.72	15.24
26.1	28.34	28.87	89.4	20.09	20.61	209.3	14.57	15.09
27.3	28.30	28.82	90.7	19.96	20.48	222.8	14.10	14.62
28.9	28.27	28.79	93.6	19.71	20.23	224.7	13.72	14.24
31.2	28.26	28.73	93.9	19.62	20.14	228.1	13.69	14.21
33.3	27.99	28.51	104.2	19.15	19.67	230.3	13.49	14.01
37.6	27.91	28.43	106.3	19.09	19.61	232.1	13.39	13.91
41.9	25.19	25.71	110.8	18.81	19.33	236.2	13.26	13.78
43.9	24.36	24.69	122.3	18.42	18.94	236.6	13.16	13.68
44.5	24.33	24.66	123.3	18.02	18.55	269.8	12.45	12.97
48.4	23.82	24.14	133.0	17.83	18.40	279.2	12.09	12.61
49.2	23.41	23.93	134.1	17.74	18.26	284.3	11.88	12.40
57.4	22.53	23.05	145.3	17.44	17.96	287.0	11.50	12.02
						296.4	11.42	11.94
						297.1	11.35	11.87

NOBC COUNTRY CODE = 32
 NOBC SHIP CODE = NR
 XBT NUMBER = 24
 TIME = 2221(OUT)
 LATITUDE = 27DEG. 48.29MIN.N.
 BUCKET TEMPERATURE = 30.90DEG. C.
 REMARKS:

NOBC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1
 DATE = 7/16/81
 LONGITUDE = 93DEG. 56.14MIN.W.
 SURF. TEMP. DIFF. = .49DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.41	30.90	57.5	21.98	22.47	116.1	18.27	18.76
.7	30.35	30.84	58.3	21.72	22.22	118.0	18.19	18.68
2.5	29.79	30.28	60.2	21.65	22.14	118.6	18.05	18.54
10.6	29.59	30.03	60.9	21.44	21.93	125.1	17.80	18.29
12.4	29.62	30.11	61.3	21.36	21.85	129.4	17.51	18.00
14.9	29.49	29.98	68.8	21.20	21.69	133.6	17.26	17.75
19.1	29.40	29.89	71.4	21.14	21.63	134.3	17.20	17.70
20.0	29.35	29.74	71.9	21.03	21.52	134.7	16.99	17.48
21.8	29.12	29.61	73.0	20.84	21.33	139.9	16.83	17.37
23.6	29.07	29.56	79.7	20.59	21.08	140.4	16.82	17.31
24.2	28.84	29.33	83.3	20.48	20.97	144.1	16.48	16.97
27.4	28.71	29.20	85.1	20.33	20.82	148.0	16.43	16.92
27.9	28.73	29.22	86.6	20.06	20.56	153.1	16.28	16.77
30.0	28.52	29.01	88.3	19.99	20.43	153.6	16.16	16.65
34.3	27.15	27.64	88.8	19.88	20.33	155.6	16.13	16.62
39.3	25.08	25.57	94.8	19.45	19.94	156.8	15.90	16.39
41.4	24.46	24.96	96.4	19.42	19.91	158.0	15.77	16.26
43.9	24.12	24.61	98.7	19.11	19.60	160.3	15.64	16.13
45.6	23.62	24.11	100.7	19.00	19.49	167.2	15.20	15.69
48.9	23.31	23.80	104.5	18.91	19.40	173.5	14.76	15.25
52.2	23.05	23.54	106.1	18.82	19.32	180.3	14.49	14.98
53.6	22.89	23.38	106.7	18.71	19.20	181.3	14.45	14.94
55.7	22.71	23.21	112.1	18.42	18.91	182.6	14.42	14.92

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 25
 TIME = 2253(CUT)
 LATITUDE = 27DEG. 49.35MIN. N.
 BUCKET TEMPERATURE = 30.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1

DATE = 7/16/81
 LONGITUDE = 93DEG. 56.26MIN. W.
 SURF. TEMP. DIFF. = .01DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.39	30.40	51.1	23.69	23.70	105.7	19.57	19.58
.7	30.36	30.37	57.4	23.13	23.14	106.3	19.45	19.46
2.0	30.30	30.31	58.5	22.87	22.88	107.6	19.40	19.41
3.5	30.29	30.30	59.1	22.84	22.85	108.0	19.25	19.26
3.8	29.90	29.91	59.3	22.72	22.73	114.1	18.93	18.93
15.2	29.66	29.67	61.3	22.64	22.65	114.5	18.73	18.74
26.0	29.35	29.36	61.8	22.59	22.60	117.2	18.65	18.66
26.8	29.14	29.15	62.7	22.22	22.23	117.7	18.52	18.53
27.5	29.01	29.02	65.9	21.83	21.84	118.6	18.41	18.42
29.6	28.99	29.00	73.3	21.74	21.75	121.4	18.23	18.24
30.9	28.65	28.66	75.8	21.33	21.34	121.5	18.14	18.15
32.5	28.50	28.51	77.0	21.13	21.14	132.3	17.68	17.69
34.0	28.43	28.44	85.5	20.88	20.89	138.1	17.50	17.51
35.9	27.43	27.44	86.0	20.81	20.82	144.7	17.31	17.32
36.5	27.36	27.37	90.1	20.67	20.68	145.3	17.19	17.20
40.4	25.26	25.27	90.7	20.49	20.50	153.1	17.01	17.02
42.1	25.23	25.24	93.5	20.40	20.40	155.0	16.86	16.87
45.0	24.42	24.43	94.0	20.16	20.17	156.4	16.49	16.50
48.2	24.07	24.08	95.4	20.09	20.10	157.0	16.35	16.36
49.6	23.77	23.78	96.6	19.83	19.83	158.2	15.92	15.92
						161.3	15.75	15.76
						162.0	15.77	15.78

NODC COUNTRY CODE = 32
 NODC SHIP CODE = NR
 XBT NUMBER = 26
 TIME = 2333(CUT)
 LATITUDE = 27DEG. 51.39MIN. N.
 BUCKET TEMPERATURE = 30.40DEG. C.
 REMARKS:

NODC INSTITUTION CODE = 24
 CRUISE NUMBER = 81-NS-1

DATE = 7/16/81
 LONGITUDE = 93DEG. 56.29MIN. W.
 SURF. TEMP. DIFF. = .07DEG. C.

DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP	DEPTH	RAW TEMP	ADJ TEMP
0.0	30.33	30.40	42.9	24.97	25.04	72.4	21.25	21.33
2.0	30.28	30.35	45.0	24.08	24.16	86.6	20.72	20.79
3.9	29.75	29.82	46.8	23.98	24.05	89.0	20.41	20.48
14.5	29.56	29.64	49.5	23.73	23.80	91.3	20.12	20.20
15.4	29.42	29.50	53.7	23.43	23.50	97.2	20.00	20.08
15.6	29.35	29.43	54.8	23.34	23.41	99.5	19.86	19.94
28.0	29.20	29.27	56.4	23.05	23.12	101.2	19.76	19.84
29.1	29.02	29.10	57.2	22.87	22.94	101.8	19.62	19.70
29.6	28.69	28.76	59.3	22.42	22.49	110.1	19.09	19.16
31.2	28.64	28.71	63.7	22.12	22.20	111.0	19.04	19.11
31.9	28.33	28.45	64.8	22.02	22.10	111.9	18.73	18.80
32.8	28.25	28.32	66.2	22.02	22.09	114.3	18.66	18.74
34.1	28.20	28.27	69.4	21.72	21.79	116.4	18.57	18.65
40.7	26.33	26.41	70.7	21.52	21.59	118.0	18.16	18.24
42.2	25.06	25.14	72.0	21.47	21.54	121.4	17.83	17.96
						124.1	17.83	17.90



The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.