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THE  
PHYSICAL OCEANOGRAPHY  
OF THE  
BRAS D'OR LAKES  
1972-1974

by

DAVID P. KRAUEL

FISHERIES AND MARINE SERVICE  
SERVICE DES PÊCHES ET DES SCIENCES DE LA MER

TECHNICAL REPORT No.  
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**1975**



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Department of the Environment  
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TECHNICAL REPORT No. 570

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Ministère de l'Environnement  
Service des Pêches et des Sciences de la mer  
Direction du Recherche et Développement

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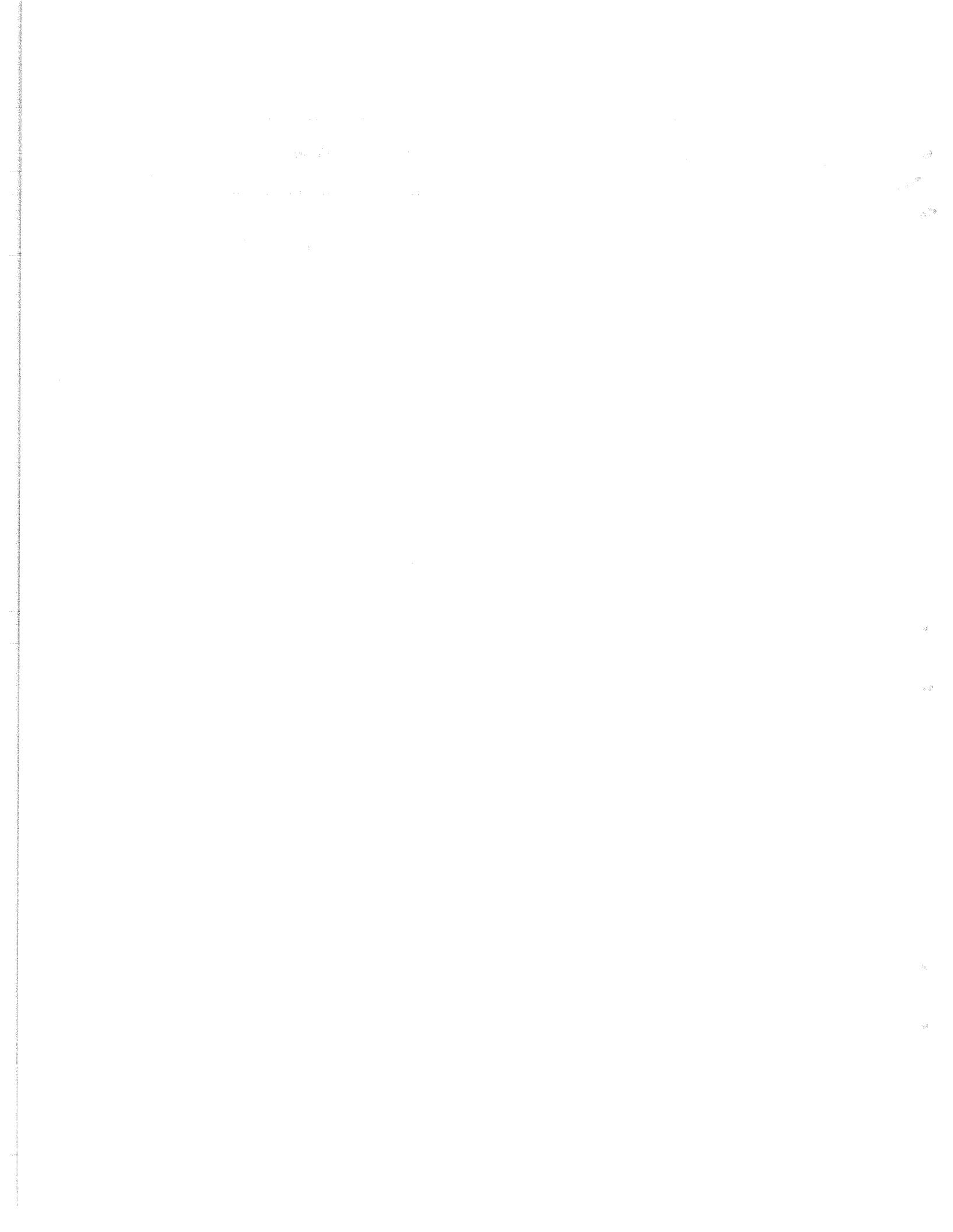
The physical oceanography of the Bras d'Or Lakes,  
1972-1974.

by DAVID P. KRAUEL

This is the forty-fourth  
Technical Report from the  
Research and Development Directorate  
Marine Ecology Laboratory  
Bedford Institute of Oceanography  
Dartmouth, Nova Scotia

Ceci est le quarante-quatrième  
Rapport Technique de la Direction du  
Recherche et Développement  
Laboratoire d'Ecologie Marine  
L'Institut Océanographique de Bedford  
Dartmouth, Nouvelle Ecosse

1975



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The author also wishes to express his gratitude to Dr. R. W. Trites for his continued support of this study and to the Principal of Royal Roads Military College for permission to return to the Bedford Institute of Oceanography in order to continue this research into the Bras d'Or Lakes.

$$\phi_{\alpha_1}(\lambda_{\alpha_1} \wedge \lambda_{\alpha_2} \wedge \cdots \wedge \lambda_{\alpha_n})$$

ABSTRACT

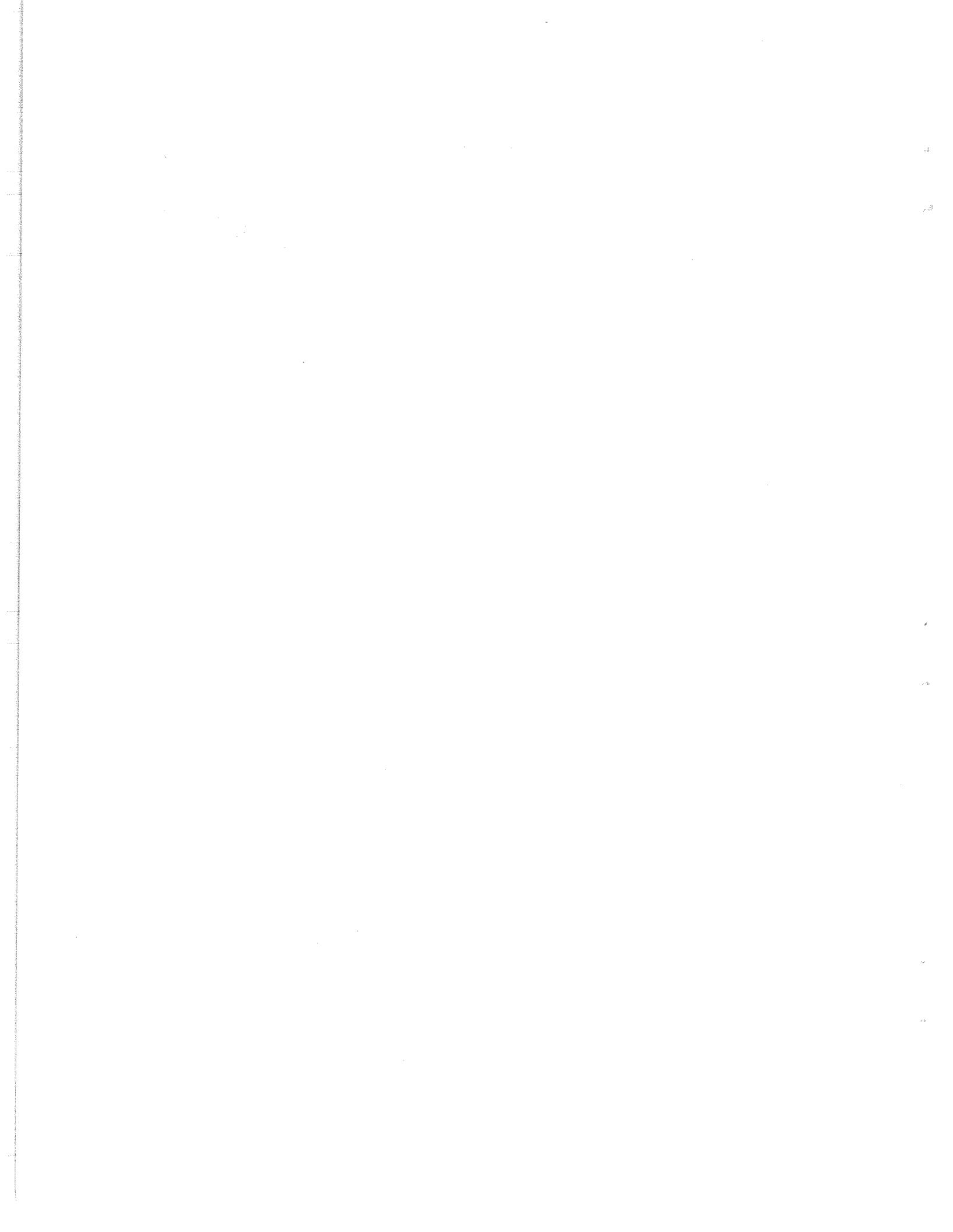
Krauel, David P. 1975. The physical oceanography of the Bras d'Or Lakes, 1972-1974. Fish. Mar. Serv. Res. Dev. Tech. Rep. 570, 371 p.

This report is a compilation of the physical oceanographic observations including temperature, salinity, water level and water current data obtained during a survey of the Bras d'Or Lakes which spanned the period August 1972 to August 1974. Related meteorological data are also included.

RESUME

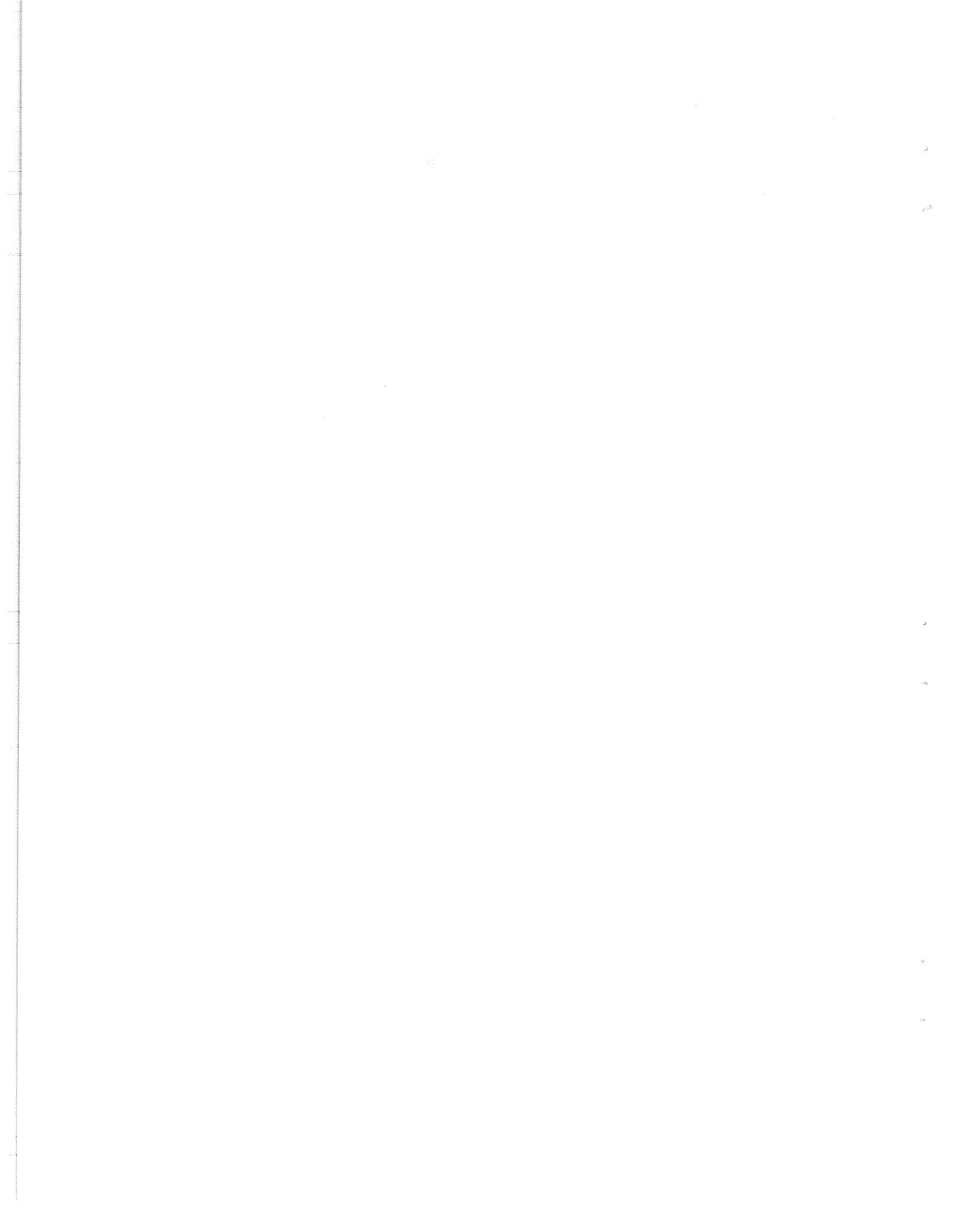
Krauel, David P. 1975. The physical oceanography of the Bras d'Or Lakes, 1972-1974. Fish. Mar. Serv. Res. Dev. Tech. Rep. 570, 371 p.

Le présent rapport est un recueil des observations océanographiques physiques, y compris les données relatives à la température, à la salinité, au niveau des eaux et au courant, obtenues au cours d'une étude menée d'août 1972 à août 1974 dans le lac Bras d'Or. On y a aussi inclus les données météorologiques correspondantes.

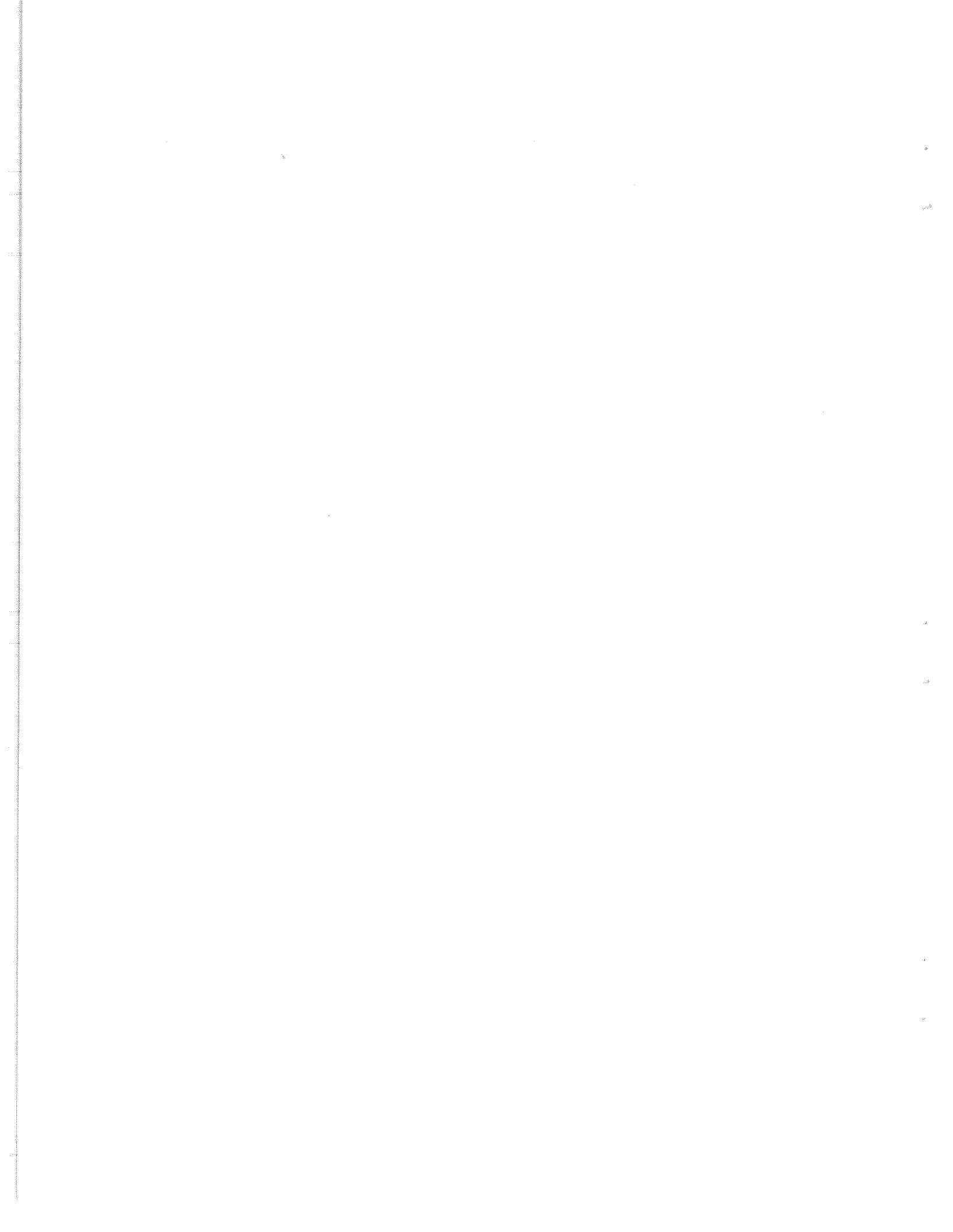


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## INTRODUCTION

This report is a compilation of the data collected during an intensive circulation and mixing study of the Bras d'Or Lakes System which began in the late summer of 1972 and continued for two years. Temperature-salinity data at a grid of stations covering the Lakes (Fig. 3) were observed repeatedly throughout the study period. Continuous water level and water current data were recorded during the period June to August 1973 and from late May to mid-July in 1974. The locations of these observations and the two wind speed and direction gauges are shown on Fig. 2.

There have been no previous investigations into the physical circulation and mixing in the Bras d'Or Lakes. Some studies, primarily interested in some other facet of the Lakes, have observed temperature and salinity in localized areas and made some qualitative comment concerning tides and currents but no one has previously attempted to examine the physical processes within the System as a whole.

The following papers, while mainly concerned with the biology of the Lakes, contain some observations of the physical characteristics of the Bras d'Or Lakes. Geen (1965) and Geen and Hargrave (1966) reported on the primary and secondary productivity of the Lakes. Through the years many investigations have been concerned with oysters e.g. Medcof (1938, 1939, 1940, 1955) and Smith (1936, 1937). Scott and Black (1960) studied the life cycle of the ascarid *Porrocaecum decipiens* and Black (1958) the biology of mysids. Bell and MacFarlane (1933) and McLachlin and Edelstein (1971) reported on the flora of the Bras d'Or Lakes.

Vilks (1967) presented an analysis of the Foraminifera sampled on a detailed grid of stations covering the Lake System. The barachois ponds in the Lakes were studied by Smith and Rushton (1964).

## METHODS

## METEOROLOGY

Tables 1 to 3 list the hourly wind speed and direction data as recorded by Meteorology Research Incorporated mechanical weather stations at the locations shown on Fig. 2. Table 4 lists the hourly wind speed and direction at Sydney Airport as supplied by the Atmospheric Environment (AES) of Environment Canada. These latter data are included to fill the gap in Table 3 between July 5 and July 11, 1974.

Table 5 lists the hourly barometric pressure observations at Sydney Airport as supplied by AES for the 1974 June-July period. The listed values are the last three significant figures of the pressure expressed in millibars and tenths. A barometric record of poor quality made at Baddeck during the same period correlated well with the Sydney Airport data. The gross features were similar and the two records were out of phase by no more than one hour.

## WATER LEVELS

Continuous water level observations were made at a total of nine locations within the Lake System (Fig. 2) during the survey with Ott float-type water level recorders. The records at Little Bras d'Or, Baddeck, Iona, Marble Mountain, Johnston Harbour and Eskasoni were corrected to a common zero, Geodetic Survey of Canada datum.

The records were manually scaled and hourly heights were recorded and submitted to harmonic analysis. The astronomical tidal constituents extracted by this analysis varied greatly in both phase and amplitude

from one location to another and even at each location depending upon which segment of the record was analysed. Since the analysis did not extract consistent results, the tidal constituents have not been included in this report.

The hourly observations in centimeters are listed in Tables 6 through 19. All times are Atlantic Standard Time ( $Z + 4$ ).

#### TEMPERATURE-SALINITY

The temperature-salinity data in Tables 20 through 24 were gathered primarily with a Beckman RS5 *in situ* inductive salinometer. According to the manufacturer's specifications, temperature is measured to an accuracy of  $\pm 0.5^{\circ}\text{C}$  by a thermistor housed in the probe. The temperature and conductivity are combined in a computer circuit to provide a readout in salinity with an accuracy of  $\pm 0.3^{\circ}/\text{‰}$ . Accuracies were improved to  $\pm 0.1^{\circ}\text{C}$  and  $\pm 0.1^{\circ}/\text{‰}$  by correcting the observed values with the aid of calibration curves and a daily calibration check of the conductivity with a small loop of wire containing a known resistance.

As noted in Table 22 a Bissett-Berman Model 9060 Graphic Self-contained STD Recorder was also used to collect data in 1974. The manufacturer's specifications list the accuracy of the salinity at  $\pm 0.05^{\circ}/\text{‰}$ , temperature at  $\pm 0.1^{\circ}\text{C}$  and depth at  $\pm 0.25\text{m}$ . However, traces through the pycnocline displayed a hysteresis-like spread between the down and the up traces. Tests proved that the average of the two traces yielded a profile with  $\pm 1\text{m}$  accuracy.

The temperatures in Table 23 were obtained from reversing thermometers and corrected to an accuracy of  $\pm 0.03^{\circ}\text{C}$ . The salinities

were observed by means of the Bissett-Berman 9060 with an accuracy of  $\pm 0.1\%$ .

Times in Tables 20 to 24 are Atlantic Daylight Time ( $Z + 3$ ) or Atlantic Standard Time ( $Z + 4$ ) as noted in the tables. Station locations are displayed in Fig. 3.

#### DENSITY

The densities in Tables 20 to 24 are expressed as sigma-t which is defined by  $\sigma_t = 1000 \times (\rho_{s,t,o} - 1.0)$ . The values were determined on a Hewlett-Packard 9100A calculator from the temperature and salinity data. The program used followed the one written by Fofonoff and Tabata (1958) for the empirical formula developed by Knudsen (1901).

#### OXYGEN

Oxygen concentrations were determined immediately on board the sampling vessel by a Winkler method as outlined by Strickland and Parsons (1968). The method yields an accuracy of  $\pm 0.05\text{ml/l}$ .

#### PERCENTAGE OXYGEN SATURATION

The oxygen saturation values were determined from temperature and salinity on the Hewlett-Packard calculator using the equations of Green and Carritt (1967). The percentage saturation values were then calculated from the observed concentrations and are listed in Table 23.

## CURRENT SPEED AND DIRECTION

The current speed and direction values listed in Table 24 were observed using the instruments as noted. The Bendix Model Q9 Direct Reading Current Meter has a threshold velocity for both speed and direction of 2.5cm/sec. and an accuracy of  $\pm 2.5\text{cm/sec}$  and  $\pm 15^\circ$ . The Ott flowmeter counts the revolutions of a calibrated impellor but does not sense direction. The surface direction was observed visually. The observed revolutions per minute when converted to speed have an accuracy of  $\pm 3\text{cm/sec}$ .

The recording current meter data presented in Tables 25 and 26 were obtained using the various types of instruments as noted. The manufacturer's quoted accuracies are as follows:

### Braincon 316

- a) Current speed  $\pm 3\text{cm/sec}$  when corrected for tilt if required.
- b) Current direction  $\pm 1^\circ$ .
- c) Tilt  $\pm 1^\circ$ .
- d) Tilt direction  $\pm 1^\circ$ .
- e) Time  $\pm 10\text{sec/day}$ .

### Braincon 381

- a) Current speed  $\pm 3\text{cm/sec}$  when corrected for tilt if required.
- b) Current direction  $\pm 1^\circ$ .
- c) Tilt  $\pm 3^\circ$ .
- d) Tilt direction  $\pm 10^\circ$ .
- e) Time - Crystal clock which has negligible error over the recording periods.

## Aanderaa (RCM4 and RCM5)

- a) Current speed  $\pm 3\text{cm/sec.}$
- b) Current direction  $\pm 2^\circ$ .
- c) (Tilt - not recorded since instrument free to pivot to
- (
- d) (horizontal orientation.
- e) Time - Crystal clock which has negligible error over the recording periods.

The 1973 data in Table 25 are presented in order of the station number, instrument depth and time. Similarly, Table 26 presents the 1974 data. A frequency distribution of direction and rate followed by a plot of rate and direction versus time are given for each record.

For the frequency distributions, the direction in degrees true is segmented into  $10^\circ$  groups and the rate in hundredths of a knot is divided into increments of a tenth of a knot. The matrix indicates the number of recording intervals when the speed and direction fell within the delineated limits. The number in the lower right corner is the total number of recording intervals.

The rate and direction plots were drawn in 10 day segments. Atlantic Standard Time ( $Z + 4$ ) was used and the "BEGIN" format is "MINUTE/HOUR/DAY/MONTH/YEAR".

Figures 5 and 6 present progressive vector plots of the recording current meter data for 1973 and 1974 respectively in the same order as the data in Tables 25 and 26. The scale of the plots is noted and the starting DATE format is the same as that on the speed and direction plots. Each 24 hour interval after the start time is marked with a small "+" and each fifth day is numbered.

The current data for Stations 1 to 5 contained a semi-diurnal tidal component or other high frequency signals. In order to produce progressive vector plots which clearly display the longer period trends in the data or the residual currents, the data were filtered to remove all frequencies above 0.8 cycles per day (Godin, 1972). The data from Stations 6 to 13 did not contain the high frequency components and therefore did not require the filtering process to produce clean plots.

Table 27 lists the current meter records which may not be of top quality and gives the reasons for questioning the quality of these data.

#### DROGUES

Surface drogues were simply a sheet of plywood which floated on the surface to which a flag was attached in order to facilitate locating it. Drogues from one to five meter depth were made of two pieces of sheet metal in the form of a cross. Each sheet had a vertical dimension of 0.76 meters and an area of 0.5 square meters. A parachute of 3.5 meter diameter and 9.6 square meter area was used for the drogues set at eighteen meters.

The drogue trajectories at depths as noted are displayed in Fig. 4 for the experiment areas shown in Fig. 2.

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DOUBLE ISLAND WIND SUMMARY 1973

TOTAL NUMBER OF MILES FOR EACH HOUR WITH PREVAILING DIRECTION  
# 1

Hour Ending	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Mis	Dir																						
July 8																								
9	5 200	2 140	4 140	4 260	2 140	5 170	9 230	15 260	13 260	15 260	14 260	14 290	15 290	16 290	13 240	9 290	9 290	5 350	5 320	4 230	6 230	6 230	4 200	
10	5 200	3 200	4 230	5 230	4 230	1 260	5 260	8 260	10 290	10 260	9 260	10 260	8 250	7 260	11 290	12 170	9 170	9 170	8 200	8 200	7 200	7 200	-	
11	4 230	3 140	5 050	6 140	5 170	12 200	10 170	8 290	6 260	12 170	14 200	17 170	15 170	14 170	19 170	16 200	17 200	14 200	16 200	16 200	19 200	12 200	13 170	
12	10 170	9 200	7 200	8 200	4 200	4 080	9 140	17 140	21 140	25 170	23 140	28 140	35 140	31 170	28 170	31 170	23 200	22 170	21 170	20 170	8 200	8 230	9 290	
13	12 290	11 290	11 290	11 290	11 290	11 290	10 230	7 260	14 200	21 170	20 170	17 200	23 200	25 200	24 200	16 230	12 200	18 200	18 200	21 200	15 230	10 200	16 200	
14	20 200	16 200	16 200	15 200	13 200	12 200	18 200	28 200	33 200	32 200	30 200	29 200	35 200	32 200	28 200	28 200	22 200	15 200	21 250	23 200	21 200	16 200	11 200	11 200
15	18 200	17 200	12 200	6 200	5 200	8 170	5 230	6 260	9 200	15 170	13 200	9 260	13 200	19 200	18 170	15 170	11 170	16 170	22 170	19 200	8 170	11 200	6 200	6 200
16	5 230	5 200	7 200	15 200	7 230	4 260	11 200	9 230	11 200	11 200	15 200	10 200	9 230	15 260	3 260	6 230	8 290	3 200	5 170	3 170	4 320	5 350	2 020	
17	5 020	5 020	3 020	9 050	9 080	12 080	11 050	13 050	19 050	21 050	23 020	21 020	22 020	* 020	* 020	* 020	* 080	* 080	* 080	* 080	* 080	* 050	* 050	* 050
18	* 020	* 020	* 020	* 020	* 020	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	* 080	
19	8 230	11 200	11 200	12 200	18 200	20 200	18 200	20 140	13 170	7 170	15 200	23 200	34 170	24 200	21 200	23 200	22 200	23 200	16 200	15 200	13 200	8 200	9 200	6 260
20	6 200	7 170	4 200	3 230	2 260	2 260	3 290	2 320	3 080	19 170	25 170	30 170	32 170	33 170	34 170	35 170	32 200	6 200	4 170	4 200	7 230	9 230		
21	5 200	9 200	5 230	9 230	8 230	8 200	6 230	6 230	11 260	12 260	10 260	9 260	11 260	10 260	5 200	9 170	12 170	13 200	13 200	8 200	4 230	7 200	8 200	
22	5 230	3 230	2 200	7 170	4 230	5 260	7 260	6 260	6 290	4 230	11 170	8 230	8 260	9 260	14 320	14 320	12 320	10 350	10 350	5 350	5 350	4 320		
23	5 260	4 320	7 260	6 260	10 290	11 290	13 290	14 320	13 320	15 320	17 320	20 320	18 320	17 320	13 320	11 320	10 290	7 290	10 290	10 290	10 290	14 290		
24	13 290	13 290	14 290	14 290	11 320	7 290	8 320	12 350	14 350	16 320	15 350	16 350	15 350	16 320	17 320	16 320	16 350	15 350	7 350	5 350	8 350	9 320		
25	10 350	7 350	4 350	5 350	7 350	4 350	3 320	2 290	5 170	8 170	6 170	11 170	13 170	15 170	21 200	22 200	25 200	28 200	16 200	7 230	8 230	5 230		
26	7 230	5 230	6 230	6 230	4 230	3 290	4 260	8 200	11 200	16 200	12 200	7 200	6 200	15 200	17 200	22 200	12 200	4 170	5 200	4 230	5 200	6 200	6 230	
27	4 230	3 230	4 230	5 260	4 260	4 260	4 290	9 200	19 170	20 200	19 200	13 200	15 200	16 200	19 200	22 200	23 200	22 200	23 200	20 200	17 200	12 200		
28	10 200	25 200	24 200	18 200	17 200	16 200	19 200	19 200	15 200	13 200	20 200	22 200	29 200	30 200	29 200	27 200	25 200	24 200	23 200	20 200	24 170	24 200	20 200	
29	18 200	16 200	19 200	18 200	16 200	13 230	19 230	13 230	19 200	19 200	24 200	26 200	28 200	30 200	23 200	24 200	16 200	11 200	18 200	22 200	18 200	18 200	19 200	
30	13 200	12 200	15 200	15 200	21 200	18 200	19 200	19 200	18 200	19 200	22 200	23 170	24 200	24 200	25 200	27 200	11 200	15 200	8 250	14 200	14 200	21 200		
31	12 200	4 200	7 170	9 170	4 200	6 200	5 230	4 290	3 290	9 170	10 260	18 200	13 200	11 200	16 200	10 200	13 200	21 200	18 200	17 200	15 200	11 200		
Aug. 1	10 200	8 200	13 200	16 200	8 200	16 200	9 200	10 200	13 200	10 200	14 200	18 200	18 200	20 200	21 200	19 200	15 200	11 200	12 200	14 200	16 200	12 200		
2	15 200	15 200	16 200	18 200	15 200	18 200	15 200	15 200	19 200	19 200	24 200	27 200	29 200	28 200	26 200	26 200	23 200	25 200	22 200	25 200	21 200	17 200	15 200	
3	16 200	8 200	10 200	10 200	11 200	15 200	17 200	20 200	20 200	22 200	25 200	25 200	20 200	20 200	21 200	17 200	18 200	19 200	19 200	19 200	19 200	13 200		

\* NO SPEED AVAILABLE - ROTOR MISSING

## RED ISLAND WIND SUMMARY 1973

TABLE # 2  
TOTAL NUMBER OF MILES FOR EACH HOUR WITH PREVAILING DIRECTION      TIMES ARE A.S.T.

	HOUR ENDING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis		
July 9																											
10	10	305	8	275	8	245	8	245	7	245	4	215	6	245	5	245	5	275	3	275	5	275	4	245	7	245	
11	5	150	5	180	9	180	7	150	9	180	9	180	10	180	9	180	10	180	8	180	5	180	9	180	11	180	
12	12	180	9	180	9	180	10	180	10	180	12	180	11	180	13	180	14	180	12	180	10	180	12	180	12	180	
13	12	300	10	300	12	300	13	270	13	300	12	270	8	240	7	180	10	180	13	180	16	180	11	180	12	180	
14	12	180	13	210	10	180	12	180	18	180	16	180	18	180	21	180	19	180	22	180	20	180	21	180	17	180	
15	9	210	10	210	8	180	8	180	7	180	7	180	6	180	8	180	8	180	8	180	7	180	10	180	12	180	
16	9	180	9	180	9	180	10	180	11	180	9	180	8	180	10	180	11	180	8	180	6	180	7	180	6	180	
17	7	180	6	180	9	060	12	060	19	060	20	060	26	060	28	060	29	060	26	060	21	030	15	060	13	030	
18	8	060	7	060	7	060	15	000	11	000	8	000	9	030	10	060	8	060	7	060	10	060	7	060	9	060	
19	14	210	12	180	14	180	15	180	15	120	13	210	15	180	14	180	12	180	15	180	16	180	19	210	13	180	
20	8	180	9	180	8	180	12	180	8	180	10	180	9	180	10	180	11	180	13	180	15	180	17	180	13	180	
21	4	180	6	180	11	210	11	240	10	210	9	180	6	210	6	240	8	240	4	210	5	210	4	270	5	240	
22	6	180	6	180	6	180	5	180	6	210	8	270	6	270	4	270	3	240	3	210	5	240	6	240	4	270	
23	7	000	9	330	7	300	10	300	9	300	13	300	12	330	18	330	18	360	20	360	19	000	15	330	18	330	
24	14	300	12	270	11	270	11	270	7	270	10	270	5	300	11	360	15	360	20	330	23	330	24	330	23	360	
25	14	360	14	360	13	360	14	360	12	360	8	030	5	030	2	180	2	300	4	330	3	330	4	330	3	360	
26	11	180	12	180	12	180	10	180	9	180	11	180	9	180	10	180	12	180	13	180	14	180	12	180	13	210	
27	9	180	9	180	8	180	9	180	9	180	10	180	8	180	11	180	12	180	11	180	13	180	14	180	11	210	
28	10	180	14	180	14	180	15	180	13	180	12	180	11	180	15	180	14	180	20	180	13	180	12	180	10	180	
29	14	180	16	210	15	210	11	180	13	180	16	180	14	180	13	180	16	180	17	210	18	210	13	210	11	180	
30	11	180	12	180	13	210	14	180	14	180	18	180	19	180	20	180	19	180	13	180	10	180	13	180	11	180	
31	6	180	5	180	5	180	6	180	5	180	8	180	5	210	3	210	9	180	8	180	10	180	12	180	11	180	
Aug. 1	9	180	10	180	10	180	11	180	9	180	8	180	9	180	10	180	10	180	10	180	9	180	10	180	11	180	
2	15	180	16	180	19	180	20	180	17	180	14	180	13	180	16	180	14	180	15	180	12	180	13	180	12	180	
3	12	180	13	180	11	180	11	180	10	180	11	180	13	180	13	180	10	180	13	180	15	180	12	180	10	180	
4	9	180	8	180	7	180	8	180	8	180	7	180	7	180	6	180	3	180	4	180	4	030	10	060	20	060	
5	21	060	23	060	24	060	21	060	24	060	26	060	28	060	25	060	27	060	24	060	25	060	26	060	24	060	
6	21	060	20	060	21	060	18	060	20	060	11	060	12	060	14	060	13	060	9	060	6	060	4	060	3	030	
7	7	4	150	5	150	5	150	6	180	6	180	6	150	7	180	8	180	7	180	8	180	11	180	12	180	10	180
8	8	180	10	180	12	180	11	180	10	180	11	180	13	180	16	180	13	180	14	180	15	180	12	180	11	180	
9	9	180	12	180	10	180	8	180	9	180	8	180	11	180	12	180	10	180	9	180	10	180	12	180	11	180	
10	10	1	330	3	210	3	270	2	060	2	330	5	030	9	060	15	060	11	060	8	060	8	060	4	240	4	240

TABLE #3 TOTAL NUMBER OF MILES FOR EACH HOUR WITH PREVAILING DIRECTION TIMES ARE A.S.T.

TIME AND PLACE

DOUBLE ISLAND WIND SUMMARY 19/4

## SYDNEY AIRPORT WIND SUMMARY 1974

TABLE 4

TOTAL NUMBER OF MILES FOR EACH HOUR WITH PREVAILING DIRECTION

TIMES ARE A. S. T.

HOUR ENDING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir	Mis	Dir		
June 5	13	276	15	303	12	330	6	306	10	327	18	320	20	333	27	336	23	343	26	340	27	339	20	000	18	005
6	15	342	17	350	15	333	19	332	25	000	20	350	25	354	26	003	26	010	26	010	23	000	24	000	21	335
7	8	302	15	300	14	252	10	285	7	280	13	310	9	320	4	322	9	012	12	022	16	350	7	340	10	352
8	9	000	6	092	0	000	0	000	3	210	0	000	0	000	0	000	0	000	0	000	0	000	0	000	0	000
9	10	000	0	000	4	042	0	000	4	280	4	333	9	353	12	010	14	008	13	078	12	081	12	085	10	080
11	12	255	7	258	7	250	7	246	6	257	8	246	6	253	8	240	4	250	8	260	7	290	11	240	12	240
12	14	220	15	214	16	240	17	215	19	203	18	220	18	218	17	220	15	235	15	230	15	220	11	202	14	182
13	7	222	9	218	9	220	5	238	8	242	7	218	6	227	13	226	7	216	13	205	7	217	13	192	11	210
14	11	231	14	238	5	230	7	231	6	244	0	000	0	000	3	346	7	014	7	035	6	000	6	116	10	160
15	15	000	0	000	6	160	3	160	0	000	3	106	0	000	10	011	3	092	4	101	3	093	3	102	7	090
16	17	000	3	003	0	000	3	003	0	000	3	320	4	348	0	000	0	000	5	060	6	050	6	136	5	080
17	17	4221	5	241	6	252	5	224	0	000	0	000	0	000	0	000	0	000	4	138	11	153	7	140	12	130
18	18	5154	5	168	7	161	6	160	6	152	6	160	8	162	6	138	12	140	12	161	11	155	8	160	9	170
19	19	12191	10	158	15	160	18	174	18	162	15	190	15	194	15	190	20	210	17	210	14	203	19	213	15	204
20	20	7228	6	230	8	232	7	232	11	236	9	238	9	232	12	236	11	236	12	236	16	223	12	220	11	220
21	21	10223	12	220	10	205	8	215	10	220	11	250	7	227	12	237	12	243	12	247	12	243	16	223	7	240
22	22	2270	4	190	0	000	6	200	0	000	7	186	3	200	1	000	6	127	6	126	6	126	9	311	8	337
23	23	000	0	000	6	266	3	268	3	236	4	291	6	288	3	270	8	271	11	242	5	284	8	233	12	238
24	24	4332	3	356	6	353	3	022	3	018	4	028	9	031	6	026	8	033	7	031	6	040	10	031	9	023
25	25	12355	10	004	13	003	12	001	11	015	10	011	16	009	16	009	6	011	9	030	10	021	11	017	9	020
26	26	7071	13	080	7	078	0	000	12	063	4	082	12	078	14	082	17	073	17	070	15	050	13	030	16	028
27	27	8030	7	035	6	025	4	010	4	343	3	305	3	314	9	346	11	020	12	016	11	016	12	031	10	020
28	28	0000	0	000	10	000	10	244	10	252	12	247	10	264	12	275	11	288	14	285	17	301	15	300	15	297
29	29	16264	11	263	10	265	13	268	13	263	12	267	14	268	13	273	18	278	18	284	17	288	16	292	13	292
30	30	4231	7	210	8	222	8	213	12	203	13	218	13	210	9	200	9	198	9	213	9	230	12	220	15	230
July 1	10	238	10	241	10	239	9	236	10	230	9	228	8	230	9	230	15	225	15	220	17	210	17	203	19	213
2	12	243	8	250	10	247	10	243	13	250	15	278	15	273	22	270	20	285	20	256	21	272	19	250	17	225
3	3	10228	6	225	6	212	10	205	10	230	13	216	8	192	16	209	16	227	17	231	14	274	18	260	15	274
4	4	11252	14	273	9	292	10	292	8	301	12	320	12	342	14	311	16	344	14	042	6	050	10	010	14	020
5	5	16320	17	320	16	314	8	339	11	332	11	332	10	265	13	268	13	273	18	278	17	283	16	287	14	290
6	6	0000	6	230	0	000	0	000	4	262	4	258	0	000	3	220	4	250	3	210	6	192	12	192	10	220
7	7	3198	0	000	4	262	4	258	0	000	0	000	4	262	5	253	5	253	5	240	0	000	3	210	4	250
8	8	7236	6	233	4	240	5	233	5	232	6	233	6	242	5	221	5	194	4	264	15	242	16	240	14	238
9	9	7170	7	180	7	174	5	170	5	170	9	190	6	181	9	170	10	165	13	199	12	190	16	190	15	190
10	10	11180	15	178	19	174	20	178	19	179	18	173	18	180	20	172	21	163	23	160	25	160	16	190	14	180
11	11	8244	10	238	7	220	6	239	0	000	3	160	3	153	5	157	6	186	6	206	7	205	9	163	7	146
12	12	6157	3	302	3	255	0	000	4	042	8	026	8	026	10	038	9	033	12	023	9	043	14	056	13	055
13	13	1333	12	356	8	350	8	333	4	317	5	306	6	342	7	331	14	344	10	009	12	032	4	011	3	012
14	14	9234	7	243	7	246	7	237	6	233	6	242	5	221	5	194	4	264	15	242	16	240	14	238	13	234
15	15	9208	14	199	14	207	17	192	11	231	14	210	16	209	16	199	18	194	18	190	15	195	13	192	12	188
16	16	12192	15	188	10	208	11	210	10	180	10	182	8	230	9	200	8	220	6	234	14	209	16	195	14	188
17	17	0000	4	229	3	232	4	240	5	244	4	263	4	278	4	310	4	304	9	045	8	030	10	012	7	088
18	18	8230	8	247	9	238	10	234	7	235	9	250	15	250	15	250	15	250	20	248	18	227	18	219	14	228

TABLE 5  
SYDNEY AIRPORT BAROMETRIC PRESSURE 1974

	SEA-LEVEL PRESSURE IN MILLIBARS AND TENTHS *												TIMES ARE A.S.T.												
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
June	5	122	131	137	152	158	163	170	174	187	192	198	198	201	198	194	198	200	198	198	193	191	190	122	
	6	191	193	195	195	198	210	214	221	221	217	216	212	208	211	205	204	200	199	195	190	183	176	175	
	7	167	159	158	158	150	148	140	140	139	137	134	134	126	125	119	110	109	108	095	095	088	085	083	
	8	080	066	048	047	035	030	030	034	033	032	039	036	043	051	061	071	072	078	074	074	074	074	074	
	9	074	077	081	082	084	089	086	090	094	094	091	098	103	104	108	110	108	118	122	124	128	129	129	
	10	111	129	129	129	132	138	139	140	138	131	127	122	115	115	114	113	113	113	117	121	120	119	117	
	11	107	099	097	092	086	088	088	097	090	092	093	092	089	085	083	083	084	087	091	106	113	113	115	
	12	120	123	125	131	136	130	142	151	151	157	162	158	156	155	154	155	161	167	169	176	178	178	180	
	13	180	182	183	187	191	198	207	209	211	213	213	209	209	205	205	206	205	208	213	221	222	219	218	
	14	218	218	215	214	219	221	225	229	222	228	227	226	222	215	212	211	212	216	219	225	228	229	227	
	15	225	225	224	224	225	237	239	240	240	238	236	236	235	235	232	235	235	235	239	241	241	238	237	
	16	237	240	238	238	239	238	244	244	244	246	249	248	245	244	245	245	245	254	257	263	265	261	257	
	17	256	255	255	254	256	256	256	258	258	262	259	263	264	263	263	264	263	263	260	260	261	259	256	
	18	254	244	234	234	232	229	221	214	218	213	206	200	193	191	184	184	179	178	170	169	169	169	169	
	19	159	153	149	146	146	145	148	144	136	136	126	120	114	110	105	095	092	093	087	084	083	077	062	
	20	061	060	051	050	044	047	041	046	042	045	045	046	039	036	034	025	024	024	022	022	023	023	006	
	21	006	005	003	002	095	095	098	098	095	095	098	095	093	095	043	047	045	050	051	058	066	074	085	
	22	23	998	000	003	011	020	028	032	032	032	036	036	036	035	035	041	045	044	054	062	066	070	078	080
	23	079	086	089	101	105	110	112	112	112	123	123	125	124	132	134	137	141	146	147	152	159	158	154	
	24	156	156	155	156	160	163	168	169	171	173	174	177	177	179	180	187	191	186	186	186	184	180	174	
	25	173	172	172	172	174	172	173	175	176	179	181	181	185	180	177	177	173	175	176	176	179	178	175	
	26	177	178	179	181	184	188	194	192	191	191	193	194	197	197	196	194	195	197	202	211	212	212	212	
	27	210	207	206	209	209	213	217	216	210	210	206	203	196	194	194	193	193	194	197	202	202	201	196	
	28	29	195	193	190	190	189	192	193	191	187	187	186	185	184	179	178	175	173	172	172	172	168	169	
	29	30	159	152	146	136	130	126	122	123	107	100	093	082	078	067	059	057	056	056	059	059	059	059	
	30	July	1	059	057	054	058	060	060	058	050	052	048	046	042	039	037	032	032	037	039	046	048	051	
	31	054	059	061	062	068	075	077	081	083	083	084	087	088	092	094	099	104	104	107	114	112	109	106	
	32	104	104	095	089	088	086	087	081	078	069	075	073	072	055	055	053	043	043	043	041	033	025	025	
	33	020	014	016	024	032	042	050	060	071	072	076	078	077	077	088	091	101	112	112	116	125	134	134	
	34	133	133	134	144	150	155	162	164	165	166	167	170	170	173	174	174	177	179	182	186	188	189	189	
	35	6	191	191	190	190	188	197	194	193	191	186	183	175	175	178	174	175	176	171	174	176	175	172	
	36	7	172	171	168	171	169	168	166	162	158	151	147	144	137	134	134	130	129	126	124	124	124	124	
	37	8	123	122	119	121	120	125	121	121	120	126	126	129	131	132	130	130	132	134	143	145	146	148	
	38	9	147	145	148	149	151	153	157	159	161	163	160	160	155	154	148	146	147	144	144	145	146	148	
	39	10	132	121	111	105	102	098	092	084	075	060	048	031	022	017	006	094	085	084	084	087	087	083	
	40	11	018	020	023	027	032	037	044	042	044	044	050	051	051	054	056	058	061	063	066	067	073	070	
	41	12	067	072	075	079	083	084	094	099	104	110	113	113	116	117	119	120	124	129	132	132	126	126	
	42	13	124	126	129	133	134	138	143	142	145	145	148	148	146	146	144	144	149	150	150	152	149	146	
	43	14	142	136	137	135	136	133	132	129	126	122	110	105	102	101	098	096	097	100	103	101	100	100	
	44	15	100	095	084	087	089	090	097	096	094	093	092	089	086	084	084	087	086	087	085	083	082	082	
	45	16	079	074	076	078	085	086	089	089	090	094	094	093	092	089	089	090	093	097	097	094	099	099	
	46	17	155	159	161	163	168	172	173	175	177	178	177	175	175	177	177	176	173	172	177	178	178	173	
	47	18	188	187	187	188	188	189	190	190	188	187	186	185	185	186	186	187	187	187	185	185	183	183	

\* LAST THREE SIGNIFICANT FIGURES ONLY

TABLE # 6

TIDE HEIGHT IN CM

THE TIMES ARE A' CHANGIN'

TIDE HEIGHTS BIG BRAS\_d'Or, N.S. 1973

TABLE # 7

HOUR ENDING	TIDE HEIGHT IN CM												TIDE HEIGHTS SEAL ISLAND, N.S. 1973												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
June 5																									
6	48	52	57	63	66	63	62	59	57	53	61	58	57	53	48	40	39	39	40	40	40	41	43	49	
7	50	47	45	38	35	31	33	36	37	40	49	49	49	47	45	42	39	35	33	37	37	38	40	47	
8	50	48	47	44	42	40	36	38	41	43	47	51	53	53	52	50	48	45	42	40	41	44	45	52	
9	53	58	57	53	52	51	50	45	46	48	52	53	59	62	63	61	60	57	55	53	50	54	55	59	
10	62	65	67	68	66	62	70	60	58	58	60	65	66	69	72	74	74	70	69	68	64	62	64	66	
11	69	73	76	79	76	77	72	72	66	63	63	65	66	68	71	75	79	76	72	71	66	64	61	64	
12	67	70	74	80	79	76	75	73	70	64	62	63	64	64	66	67	72	76	69	70	66	65	60	60	
13	62	65	72	76	77	75	74	74	71	66	64	57	65	64	66	68	76	77	79	75	72	71	62	64	
14	62	62	72	72	82	82	79	77	77	73	72	61	67	66	68	69	72	77	82	81	79	76	70	70	
15	65	64	70	71	77	87	82	79	78	77	73	66	64	65	67	69	68	72	77	81	79	76	73	70	
16	65	63	66	69	72	77	85	81	80	76	72	67	61	63	66	63	64	67	68	71	77	73	71	65	
17	58	56	57	58	61	67	71	74	69	65	66	58	59	50	43	49	51	53	60	66	77	83	88	92	
18	94	91	96	91	101	100	107	111	110	110	104	98	91	91	91	89	89	88	87	88	89	89	88	83	
19	82	76	76	74	75	76	78	87	92	87	85	80	76	71	63	67	68	68	69	70	72	74	75	72	
20	69	62	58	57	58	59	60	65	70	74	72	66	63	57	52	50	52	53	53	55	59	63	62		
21	59	54	51	44	46	47	52	55	59	67	64	62	59	56	49	46	47	49	50	52	55	59	61		
22	56	54	51	45	45	43	47	50	56	60	63	60	60	56	54	52	48	47	51	53	56	59	63		
23	62	59	58	54	49	47	47	51	53	56	61	63	63	59	61	56	53	50	48	49	50	52	55	60	
24	64	61	59	55	53	46	46	46	49	50	52	57	61	57	56	51	48	43	44	45	46	49	51		
25	59	58	56	54	51	47	45	41	44	44	46	50	50	57	57	56	53	50	45	43	45	45	48		
26	54	58	57	56	53	51	47	42	41	43	43	44	44	48	52	54	53	51	47	44	40	42	44		
27	47	52	57	55	54	53	49	46	42	36	42	42	43	45	46	50	55	53	48	46	41	39	37	40	
28	42	46	53	57	55	55	53	49	48	40	38	40	42	43	45	49	57	61	54	54	48	48	43	43	
29	44	47	53	56	62	59	59	57	55	50	41	43	44	44	44	44	49	54	59	56	52	47	43	38	
30	40	40	44	49	57	62	58	57	55	53	49	49	40	39	40	42	43	43	44	49	57	62	55	47	
July 1	39	36	42	43	47	57	62	58	57	55	52	48	39	40	42	43	43	43	44	44	47	53	62	58	
2	44	36	37	42	44	49	59	60	60	58	55	54	47	38	42	43	43	43	44	47	53	62	58	56	
3	48	41	37	39	43	46	51	61	61	59	59	58	53	48	39	44	44	44	47	50	53	61	64	62	
4	53	48	44	37	42	44	47	54	63	61	61	59	58	57	49	45	45	47	50	50	52	57	63	67	
5	58	55	52	47	43	45	48	53	55	66	63	65	63	62	57	50	48	50	50	50	52	57	63	67	
6	62	62	59	56	50	47	49	53	58	65	69	70	70	71	70	66	63	56	60	62	63	70	75		
7	73	71	68	64	61	56	57	60	61	62	67	70	73	73	69	67	65	62	57	59	61	63	69	76	
8	75	76	73	73	69	67	61	62	63	63	63	71	69	77	75	70	68	64	62	59	62	66	68		
9	76	77	75	73	71	68	68	63	63	66	65	68	67	77	75	78	72	73	67	62	66	67	71		
10	74	76	79	73	77	74	74	68	67	65	68	68	70	71	74	77	80	74	73	70	67	67	65	71	
11	69	76	78	80	79	77	76	71	70	61	66	66	67	67	70	71	78	75	76	72	70	66	68	65	
12	69	73	72	80	74	81	74	75	73	67	65	66	67	69	71	74	77	80	81	77	74	71	69	67	
13	73	68	78	78	82	83	81	80	79	74	71	67	72	73	70	71	73	72	78	78	73	71	69	61	
14	64	65	67	72	76	82	80	79	76	75	69	62	64	63	66	63	66	73	71	80	71	74	68	64	
15	59	63	61	67	73	75	80	76	75	71	66	62	57	61	62	61	62	66	69	75	74	69	65	64	
16	55	61	61	61	70	76	79	78	78	72	74	66	67	56	64	63	63	65	70	72	80	69	68	67	
17	59	56	58	60	61	65	71	78	72																
18																									
19	65	65	59	54	60	59	66	66	73	79	77	75	75	73	67	60	66	64	65	66	66	73	77	77	
20	71	68	62	56	55	58	61	62	68	74	75	72	71	67	65	60	58	56	61	63	67	73	77	75	
21	73	71	68	66	58	61	61	65	67	69	78	78	75	72	72	66	63	60	64	65	69	72	78	81	
22	77	76	72	68	67	58	63	64	67	69	76	79	78	75	72	71	64	61	62	63	65	65	69	74	
23	74	73	71	68	68	64	60	62	64	68	71	78	78	74	74	70	68	63	62	66	66	68	71		
24	75	76	76	70	73	71	68	65	65	68	72	75	81	80	80	78	76	73	70	64	66	68	68		
25	68	72	74	78	75	74	67	64	62	61	63	64	68	75	75	75	72	69	67	62	57	60	59		
26	59	61	63	68	72	68	64	63	59	56	57	59	62	68	72	74	71	71	69	68	64	56	58		
27	59	59	60	62	69	73	69	66	62	60	57	56	60	62	68	75	77	75	75	73	70	67	56		
28	60	60	61	62	66	70	75	71	67	64	58	54	55	56	58	62	69	74	72	70	68	65	59		
29	54	56	56	56	58	62	71	72	66	65	59	56	55	56	50	51	55	60	66	76	75	76	71	59	
30	53	55	57	57	57	60	66	75	71	68	63	58	52	49	52	53	56	61	74	73	71	66	64		
31	54	48	54	55	55	56	59	68	74	71	66	61	56	49	47	51	53	57	61	72	71	69	65		
Aug. 1	59	50	47	51	53	52	54	59	67	70	64	62	59	53	48	51	54	55	56	63	72	71	70	66	
2	64	58	48	52	50	52	54	55	61	70	66	64	60	57	50	45	48	50	53	54	65	67	68	64	
3	63	58	56	51	50	57	57	60	64	73	70	69	65	63	58	55	52	5							

TABLE #8

TABLE # 9

TIDE HEIGHT IN CM

THE TIMES ARE A. S. T.

### TIDE HEIGHTS WHYCOCOMAGH, N.S. 1973

TABLE # 10

TIDE HEIGHT IN CM      TIMES ARE A. S. T.

TIDE HEIGHTS IONA, N.S., 1973

TABLE #11

TIDE HEIGHT IN CM

TIMES ARE A.S.T.

TIDE HEIGHTS MARBLE MOUNTAIN, N.S. 1973

HOUR ENDING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<b>June 6</b>																								
7	12	12	14	17	20	22	23	24	23	21	19	18	18	17	18	20	22	24	26	27	26	26	23	21
8	22	21	20	25	32	31	31	35	34	33	33	30	29	28	28	28	30	34	35	37	37	37	36	35
9	33	33	32	33	35	37	39	41	42	42	40	37	35	33	32	31	31	32	35	37	38	39	39	38
10	36	34	34	33	34	36	38	41	41	42	42	40	38	36	34	32	30	30	32	34	36	37	38	38
11	37	35	34	34	34	37	39	42	44	46	49	47	46	43	40	38	37	36	36	37	39	41	42	42
12	41	40	38	38	37	38	40	44	47	48	51	52	51	48	46	43	41	39	38	39	40	43	43	45
13	45	44	43	41	40	40	40	43	47	50	52	54	54	53	50	48	45	44	42	42	44	46	48	
14	49	49	48	45	43	42	41	41	44	47	49	51	51	50	47	44	41	39	36	34	34	35	37	
15	38	39	38	35	34	32	32	35	36	41	46	52	55											
26																								
27	6	6	6	6	8	11	14	15	16	15	14	11	9	7	5	4	4	5	7	8	9	9	8	
28	6	5	4	4	6	8	10	13	15	16	17	15	12	10	8	6	5	4	6	8	10	12	13	14
29	13	11	10	10	10	11	14	16	19	22	23	22	20	17	14	11	9	8	7	7	9	11	13	14
30	13	11	10	9	7	7	9	11	15	18	20	21	21	19	15	12	10	8	7	7	7	10	12	14
<b>July 1</b>																								
2	14	15	14	12	9	8	7	6	8	12	15	18	19	20	18	15	12	9	7	5	4	4	7	9
3	11	13	13	12	10	9	6	6	5	8	11	14	17	19	20	18	16	13	10	8	7	6	6	9
4	11	13	15	15	14	12	10	8	8	8	10	14	17	20	21	21	20	18	15	13	11	10	10	11
5	14	17	19	21	19	17	17	15	13	12	13	15	18	21	22	23	23	22	19	17	15	13	12	12
6	14	17	20	22	24	24	23	21	20	19	19	20	22	25	28	30	31	32	31	29	27	25	25	24
7	24	26	29	31	33	34	33	30	28	26	24	23	23	23	26	28	29	30	31	30	28	27	25	25
8	24	25	28	30	33	34	35	34	33	31	29	28	27	26	27	29	31	33	33	34	33	31	29	28
9	27	27	29	31	33	35	37	37	37	35	33	32	29	28	28	29	31	33	35	36	36	35	34	33
10	32	31	32	33	35	37	39	39	40	39	37	35	34	32	31	31	31	34	35	36	36	36	34	34
11	33	33	32	33	34	37	39	41	42	42	40	38	36	33	31	30	29	29	30	31	32	33	34	33
12	32	32	31	31	32	35	37	40	42	43	43	42	40	37	33	32	30	31	32	34	36	37	37	
13	37	36	35	34	35	36	39	42	44	46	47	46	43	39	37	35	34	32	31	30	31	32	34	34
14	33	32	30	29	27	27	28	30	33	35	36	36	35	34	30	28	25	24	23	23	24	26	28	30
15	31	31	29	28	27	27	27	29	32	35	37	39	39	38	35	33	30	27	26	24	26	28	29	
16	30	30	28	26	26	25	25	27	30	33	36	38	39	39	37	35	31	29	28	27	26	27	30	32
17	33	34	32	30	28	27	26	26	29	33	37	39	41	41	40	38	35	32	29	28	27	28	30	32
18	34	35	34	32	30	28	26	25	26	28	31	34	36	37	37	35	32	29	27	25	24	25	28	
19	30	32	33	33	31	29	27	26	26	27	30	32	34	35	35	34	32	29	27	25	23	22	22	23
20	26	28	30	30	28	26	24	22	21	21	22	24	27	29	29	29	28							
24																								
25	33	33	35	38	39	41	41	42	31	38	36	34	32	30	28	28	28	30	30	30	28	27	24	
26	23	22	23	24	27	29	31	32	33	32	29	27	25	23	21	20	19	20	22	24	25	26	25	
27	23	22	21	22	24	26	29	32	34	34	33	31	27	25	23	21	20	19	20	22	24	26	25	
28	23	22	20	20	23	25	28	31	33	33	33	29	27	23	21	19	18	17	18	20	22	24	24	
29	23	21	18	17	16	16	18	20	24	27	28	30	28	26	23	20	18	15	14	15	17	20	23	
30	25	25	22	20	19	18	18	20	23	27	30	33	33	32	29	26	23	21	19	18	18	20	23	
31	27	27	25	23	20	18	17	16	19	23	26	29	31	31	27	25	21	18	17	16	16	20	22	
<b>Aug. 1</b>																								
2	23	25	26	24	21	19	17	15	13	14	17	20	23	25	25	25	23	20	18	16	14	13	13	16
3	19	21	23	23	22	19	17	14	13	11	12	14	18	21	23	24	25	22	19	17	16	15	15	17
4	20	23	26	28	29	26	24	22	21	21	22	25	30	32	34	35	36	34	32	30	29	29	29	32
5	35	37	40	41	42	43	40	39	36	35	33	33	34	36	38	39	40	40	38	37	35	34	33	33
6	34	36	38	41	42	42	41	39	36	34	33	32	31	30	30	31	32	33	32	30	28	26	25	24
7	24	25	27	28	29	30	30	29	27	24	23	20	19	17	17	16	15	16	15	14	13	11	10	
8	10	10	11	13	15	18	19	20	19	18	16	14	12	11	10	10	11	11	11	13	13	12	11	
9	11	11	11	11	14	16	18	20	21	21	20	19	17	15	13	12	11	12	11	15	17	19	20	
10	22	22	23	24	27	29	32	36	37	39	39	38	36	34	33	31	31	33	35	36	37			

TABLE #12

TIDE HEIGHT IN CM                    TIMES ARE A. S. T.

TIDE HEIGHTS JOHNSTON HARBOUR, N.S. 1973

TABLE 13

TIDE HEIGHT IN CM TIMES ARE A. S. T.

TIDE HEIGHTS ESKASONI N.S. 1973

TABLE # 14

TABLE # 15

TIDE HEIGHT IN CM TIMES ARE A. S. T.

TIDE HEIGHTS LITTLE BRAS D'OR, N.S. 1974

TABLE # 16

TIDE HEIGHT IN CM

TIMES ARE A. S. T.

TIDE HEIGHTS BADDECK, N.S. 1974

HOUR ENDING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<b>June 4</b>																								
5	20	17	17	16	15	16	19	21	22	23	24	23	20	19	18	17	15	14	13	15	17	19	20	20
6	20	20	18	17	17	18	19	21	24	26	26	26	25	23	21	20	18	16	16	17	18	20	21	22
7	22	22	21	20	20	21	23	26	28	29	30	31	31	29	26	25	24	22	20	20	21	22	23	24
8	23	23	21	19	19	18	19	21	24	26	28	29	30	30	30	27	26	25	24	23	23	25	27	28
9	28	29	29	27	26	26	27	28	30	33	34	37	38	39	39	36	33	32	31	30	30	30	33	33
10	33	33	34	33	30	30	29	29	29	30	33	34	35	36	36	34	31	29	29	28	26	27	28	30
11	30	30	31	31	29	28	27	27	27	27	30	32	33	34	35	35	35	32	30	29	27	26	24	25
12	28	28	28	28	27	25	23	22	22	23	25	27	27	28	29	29	28	26	25	24	23	22	24	26
13	26	27	27	28	28	27	26	25	24	23	22	23	25	26	27	28	28	28	27	25	24	23	22	22
14	23	25	25	26	27	26	26	24	23	21	20	19	20	22	24	25	25	24	23	21	20	19	19	19
15	18	19	22	24	24	24	24	23	22	21	19	19	18	18	20	22	22	23	23	23	21	20	19	19
16	18	19	20	22	24	24	25	25	24	22	21	20	19	17	17	18	20	21	21	22	21	19	18	17
17	17	17	17	20	21	22	23	24	24	23	21	20	18	16	15	15	15	17	18	17	17	16	14	12
18	11	10	9	10	12	14	15	16	16	16	14	11	9	8	6	4	3	4	6	7	8	8	8	7
19	6	4	2	1	1	4	8	9	9	10	9	7	5											
<b>July 9</b>																								
10	29	29	29	28	26	25	24	23	24	26	29	32	32	33	33	31	29	27	25	23	23	25	27	

TABLE # 17

TIDE HEIGHT IN CM

TIMES ARE A. S. T.

TIDE HEIGHTS IONA, N.S. 1974

TABLE # 18

TABLE # 19

TIDE HEIGHT IN CM

TIMES ARE A-CHANGIN'

TIDE HEIGHTS ESKASONI, N.S., 1974

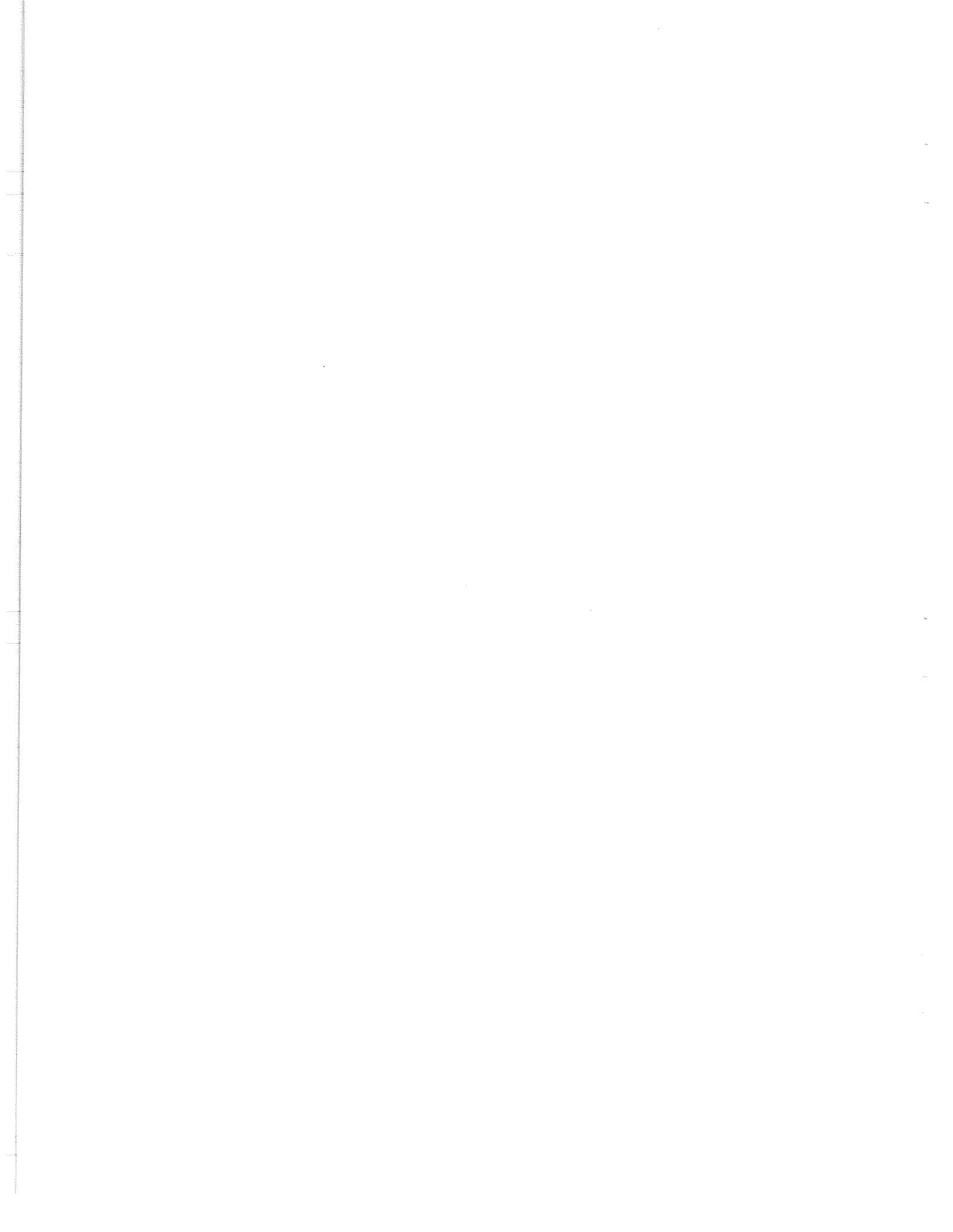


TABLE 20  
BRAS d'OR 1972 - 73  
DEPTH, TEMPERATURE, SALINITY, SIGNA-T

DATE	STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Other
<u>1972</u>																												
Aug. 22																												
30																												
Sept. 1																												
12																												
13	X																											
14																												
19																												
22																												
26																												
28	X	X	X																									
Oct. 2																												
3																												
11																												
16																												
17																												
18																												
19																												
25																												
27																												
Nov. 2																												
6																												
8																												
9	X																											
14																												
20																												
Dec. 5																												
22																												
12																												
<u>1973</u>																												
Jan. 4																												
Feb. 26																												

Beckman RSS used for all observations.

STATION # 22

DATE 22 August, 1972

TIME 19:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
2	17.9	21.8	15.3
4	18.0	21.8	15.2
6	18.1	21.8	15.2
7	18.0	21.8	15.2
9	18.1	21.8	15.2
11	18.4	22.0	15.3
13	18.7	22.3	15.5
15	18.6	22.0	15.3
17	19.2	22.4	15.4
18	19.3	22.5	15.4
20	19.6	22.4	15.3
22	20.0	22.7	15.5
24	20.1	22.7	15.4
26	20.0	22.5	15.3
27	20.3	22.8	15.5
29	20.4	23.0	15.6
31	20.6	23.1	15.6
33	20.5	23.0	15.6

STATION # 23

DATE 22 August, 1972

TIME 18:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA - T</u>
2	17.7	21.4	15.0
4	17.1	21.9	15.5
6	16.8	21.8	15.5
7	16.0	22.0	15.8
9	14.0	22.2	16.4
11	13.8	22.1	16.3
13	13.5	22.0	16.3
15	13.4	21.6	16.0
17	13.5	19.8	14.6
18	13.4	20.5	15.2
20	13.4	19.8	14.5
22	13.5	19.0	14.0

STATION # 24

DATE 22 August, 1972

TIME 17:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA -T</u>
0	21.0	20.7	13.7
1	20.6	21.3	14.3
2	20.0	20.9	14.1
3	19.6	20.9	14.2
4	18.6	21.0	14.5
5	18.8	27.2	19.1

STATION Latt.  $45^{\circ} 39.2'$  DATE 22 August, 1972 TIME 17:20 A.D.T.  
 Long.  $60^{\circ} 52.2'$

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA -T</u>
0	18.2	28.8	20.5
1	18.2	28.8	20.5
2	18.0	29.8	21.3
3	18.0	29.8	21.3
4	18.0	30.0	21.5
5	17.8	30.2	21.7

STATION #10

DATE 30 August, 1972

TIME 16:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA - T</u>
2	18.7	22.8	15.8
4	17.8	23.1	16.3
6	17.7	23.3	16.5
7	17.5	23.4	16.6
9	17.4	23.4	16.6
11	17.1	24.2	17.3
13	16.1	25.5	18.5
15	14.8	25.8	19.0
17	14.0	26.0	19.3
18	12.1	26.1	19.7
20	9.9	26.0	20.0
22	6.4	26.2	20.6
24	6.6	26.2	20.6
26	5.2	26.3	20.8
27	4.9	26.1	20.7
29	4.5	26.1	20.7
31	4.2	26.2	20.8
33	3.9	26.3	20.9
35	3.8	26.3	20.9
37	3.4	26.2	20.9
38	3.0	26.3	21.0
40	2.9	26.3	21.0
42	2.6	26.3	21.0

STATION # 11

DATE 30 August, 1972

TIME 15:40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA - T</u>
2	18.2	22.7	15.9
4	18.1	23.0	16.1
6	18.0	23.0	16.2
7	17.1	23.8	17.0
9	16.0	24.4	17.7
11	15.4	24.4	17.8
13	16.0	24.3	17.6
15	16.8	23.6	16.9
17	17.8	23.2	16.4
18	17.6	23.4	16.5
20	17.4	23.4	16.6
22	17.1	22.9	16.3
24	17.1	21.7	15.4
26	17.2	22.0	15.6
27	17.3	22.1	15.6
29	17.2	22.2	15.7

STATION # 12

DATE 30 August, 1972

TIME 14:50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA - T</u>
2	18.5	22.0	15.3
4	18.4	22.0	15.3
6	18.2	22.2	15.5
7	18.1	22.3	15.6
9	18.0	22.4	15.7
11	18.0	22.5	15.8
13	16.0	24.3	17.6
15	14.8	24.3	17.8
17	14.5	24.5	18.3
18	14.1	24.2	17.9
20	13.5	24.7	18.4
22	13.4	24.9	18.6
24	12.8	25.3	19.0
26	12.7	24.9	18.7
27	12.2	25.3	19.1
29	12.0	25.4	19.2
31	11.4	25.5	19.4
33	10.6	25.5	19.5
35	10.1	24.8	19.0
37	8.7	24.8	19.2
38	8.4	24.9	19.3
40	7.8	24.8	19.3

STATION # 13

DATE 30 August, 1972

TIME 17:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
2	19.1	22.6	15.6
4	18.7	22.9	15.9
6	18.2	23.1	16.2
7	17.9	23.2	16.3
9	17.9	23.4	16.5
11	17.4	24.2	17.2
13	17.0	24.6	17.6
15	16.7	25.0	18.0
17	15.9	25.9	18.8
18	15.3	26.0	19.0
20	10.2	25.8	19.8
22	6.9	26.0	20.4

STATION # 14

DATE 31 August, 1972

TIME 15:40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	18.8	22.0	15.2
2	18.7	22.0	15.2
3	18.8	22.0	15.2
4	18.7	22.2	15.2
6	18.0	23.6	16.6
7	17.5	23.8	16.9
9	17.2	24.0	17.1
11	16.7	24.4	17.5
13	16.7	24.9	17.9
15	16.2	25.1	18.1
17	15.2	25.2	18.4

STATION # 15

DATE 31 August, 1972 TIME 13:50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	18.4	21.2	14.7
2	18.5	21.3	14.8
3	18.6	21.9	15.2
4	18.7	22.6	15.7
6	18.0	23.2	16.3
7	17.6	23.2	16.4
9	17.2	23.4	16.6
11	16.4	24.4	17.6
13	16.1	24.3	17.6

STATION # 16

DATE 31 August, 1972 TIME 13:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	18.7	21.1	14.6
2	18.6	21.5	14.9
3	18.3	21.7	15.1
4	17.5	22.5	15.9
6	17.0	23.2	16.5
7	16.1	23.0	16.6
9	16.1	23.6	17.0
11	16.4	23.8	17.1
12	16.2	23.8	17.2

STATION # 17

DATE 31 August, 1972 TIME: 12:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	19.0	21.1	14.5
2	18.9	21.0	14.4
3	18.9	20.9	14.4
4	18.8	20.9	14.4
6	17.3	22.4	15.9
7	15.9	22.8	16.5
9	14.6	22.9	16.8
11	11.7	23.1	17.5
13	8.9	23.4	18.1
15	6.0	23.4	18.4
17	3.2	23.2	18.5
18	3.3	23.3	18.6
20	2.3	23.4	18.7
22	2.3	23.4	18.7
24	2.2	23.3	18.6
26	1.9	24.0	19.2
27	1.7	23.8	19.1
29	1.6	23.7	19.0
31	1.9	23.8	19.1
33	1.6	23.8	19.1
35	1.6	23.8	19.1
37	2.3	23.2	18.6
38	2.7	23.3	18.6
42	3.0	22.1	17.7

STATION # 18

DATE 31 August, 1972 TIME 11:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	18.8	21.2	14.6
2	18.8	21.2	14.6
3	18.8	21.1	14.5
4	18.1	21.8	15.2
6	14.9	22.7	16.6
7	13.9	22.8	16.8
9	12.6	22.8	17.1
11	10.1	22.8	17.5
13	5.3	23.2	18.4
15	3.3	23.4	18.7
17	2.9	23.6	18.8
18	2.8	23.7	18.9
20	2.8	23.8	19.0
22	2.8	24.2	19.3
24	2.8	24.4	19.5
27	2.6	24.7	19.7
31	2.5	24.7	19.7
35	3.8	22.0	17.5

STATION # 4

DATE 7 September, 1972. TIME 15:55 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	18.7	23.0	16.0
2	18.7	23.1	16.1
3	18.7	23.0	16.0
4	18.7	23.0	16.0
6	18.5	23.1	16.1
7	18.5	23.2	16.2
9	18.1	23.4	16.4
11	17.6	24.2	17.2
13	17.6	24.0	17.0
15	17.2	25.2	18.0
17	15.4	19.9	14.3
18	14.0	25.9	19.2
20	11.9	26.2	19.8
22	10.8	26.0	19.8
24	7.2	26.5	20.7
26	5.6	26.1	20.6
27	5.3	26.0	20.6
29	5.1	26.0	20.6
31	5.0	25.4	20.1
33	4.5	26.2	20.8
35	4.3	26.2	20.8
37	4.2	26.2	20.9
38	4.0	26.3	20.8
42	4.0	26.2	20.8
46	3.9	26.2	20.8
49	3.9	26.2	20.8
53	3.6	26.3	20.9
57	3.5	26.4	21.0
60	3.3	26.4	21.0

STATION # 5

DATE 7 September, 1972 TIME 10:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.7	24.2	16.9
2	18.4	24.8	17.4

STATION # 6

DATE 7 September, 1972 TIME 13:00 ADT

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	19.4	22.8	15.7
2	19.5	22.8	15.7
3	19.5	22.8	15.7
4	19.2	23.0	15.9
5	19.1	22.9	15.8
6	18.1	23.0	16.1
8	19.0	22.9	15.8
12	18.6	23.4	16.3
16	17.2	25.5	18.2
17	17.1	25.4	18.2

STATION # 7

DATE 7 September, 1972 TIME 13:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	19.1	22.5	15.5
2	19.1	22.5	15.5
3	19.1	22.5	15.5
4	18.9	22.5	15.6
6	18.9	22.6	15.6
7	18.9	22.6	15.6
9	18.4	22.7	15.8
11	17.8	23.0	16.2
13	17.1	24.2	17.3
15	15.9	24.7	17.9
17	14.9	24.8	18.2
18	12.5	25.6	19.3
20	9.6	25.6	19.7
22	7.7	25.6	20.0
24	5.8	25.6	20.2
26	4.9	25.6	20.3
27	4.1	26.0	20.7
29	3.0	25.8	20.6
31	2.1	26.0	20.8
33	1.8	26.0	20.8
35	1.5	26.0	20.8
38	1.2	26.0	20.8
42	0.7	26.2	21.0
46	0.6	26.1	21.0
49	0.4	26.2	21.0
53	0.4	26.3	21.1
57	0.4	26.2	21.0
60	0.2	25.8	20.7

STATION # 8

DATE 7 September, 1972

TIME 15:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	18.7	23.1	16.1
2	18.7	23.2	16.1
3	18.6	23.2	16.2
4	18.6	23.2	16.2
6	18.4	23.3	16.3
7	18.3	23.4	16.4
9	17.6	22.8	16.1
11	17.2	24.2	17.2
13	15.4	25.1	18.3
15	16.0	25.5	18.5
17	15.0	25.7	18.9
18	14.1	25.7	19.0
20	13.8	25.8	19.2
22	11.1	25.7	19.6
24	7.8	25.5	19.9
26	6.1	25.9	20.4
27	5.8	26.0	20.5
29	5.0	26.1	20.7
31	4.6	26.0	20.6
33	4.6	26.0	20.6
35	4.1	26.1	20.7
38	4.0	26.1	20.8
42	3.8	26.1	20.8
46	3.5	26.1	20.8
49	3.4	26.1	20.8
53	3.2	26.5	21.1
57	2.6	26.1	20.9
60	2.6	26.1	20.9

STATION # 5

DATE 12 September, 1972

TIME 19:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.2	22.9	16.3
2	17.2	23.0	16.3
3	17.2	23.0	16.3

STATION # 1

DATE 13 September, 1972

TIME 09:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	16.3	25.2	18.2
2	16.3	25.6	18.5
7	16.2	26.0	18.8
11	16.5	27.1	19.6
16	16.5	27.2	19.7
20	16.5	27.4	19.8

STATION #3

DATE 13 September, 1972

TIME 10:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	16.4	23.2	16.7
2	16.4	23.4	16.7
4	16.4	24.0	17.3
6	16.3	24.1	17.4
7	16.4	24.3	17.5
11	16.6	24.9	17.9
13	16.7	26.2	18.9
15	16.8	26.6	19.2
17	16.9	27.1	19.5
18	16.8	27.3	19.7
20	16.8	27.8	20.1
22	16.8	27.9	20.2
26	16.7	28.0	20.3
29	16.7	28.1	20.3
33	16.8	28.1	20.3
36	16.7	28.2	20.4

STATION # 4

DATE 13 September, 1972

TIME 10:40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	16.8	23.4	16.7
2	16.8	23.4	16.7
4	16.8	23.5	16.8
6	16.7	23.6	16.9
7	16.8	24.0	17.2
11	16.5	24.4	17.6
13	16.4	24.3	17.5
15	16.2	25.6	18.5
18	16.3	26.2	19.0
20	15.9	26.6	19.4
22	15.8	27.7	20.2
24	9.5	26.8	20.7
26	7.6	26.6	20.8
27	6.6	26.5	20.8
31	6.4	26.6	20.9
35	4.4	26.5	21.0
38	4.2	26.6	21.1
42	4.1	26.7	21.2
46	4.0	26.8	21.3
49	3.9	26.8	21.3
53	3.7	26.7	21.3
57	3.6	26.8	21.3
60	3.6	26.7	21.3

STATION # 6

DATE 13 September, 1972

TIME 14:50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	17.9	22.9	16.1
2	17.9	23.1	16.3
4	17.8	23.1	16.3
6	17.8	23.2	16.4
7	17.7	23.4	16.5
9	17.7	23.4	16.5
11	17.7	23.4	16.5
13	17.6	23.4	16.5
15	17.4	25.0	17.8
17	13.0	26.0	19.5
18	10.4	26.9	20.6

STATION # 7

DATE 13 September, 1972

TIME 12:35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	17.6	23.2	16.4
2	17.5	23.2	16.4
4	17.4	23.4	16.6
6	17.5	23.4	16.6
7	17.4	23.4	16.6
11	17.4	23.4	16.6
13	17.4	23.4	16.6
15	15.8	25.5	18.5
17	14.5	25.8	19.0
18	12.2	26.0	19.6
20	14.4	26.0	19.2
22	7.1	26.0	20.4
24	6.1	26.2	20.6
26	5.5	26.3	20.8
27	4.4	26.3	20.9
29	4.0	26.3	20.9
33	3.7	26.4	21.0
37	2.9	26.5	21.2
40	1.7	26.6	21.3
44	1.2	26.6	21.3
48	0.6	26.6	21.4
51	0.4	26.8	21.5
55	0.4	26.8	21.5
59	0.2	27.0	21.7

STATION # 8

DATE 13 September, 1972 TIME 11:50 A.D.T.

DEPTH METERS	TEMP. DEG. C	SALINITY 0/00	SIGMA-T
1	17.0	23.2	16.5
2	17.1	23.6	16.8
4	17.1	23.6	16.8
6	17.0	23.6	16.8
7	16.9	23.7	16.9
9	16.8	23.9	17.1
13	16.7	24.1	17.3
17	15.9	25.2	18.3
20	13.9	25.9	19.2
24	11.1	26.5	20.2
26	6.0	26.4	20.8
27	6.0	27.3	21.5
31	4.7	26.5	21.0
35	4.3	26.7	21.2
38	4.0	26.6	21.1
42	3.7	26.7	21.3
46	3.5	26.6	21.2
49	3.3	26.5	21.1
53	3.2	26.6	21.2
57	2.8	26.6	21.2
59	2.6	26.7	21.3

STATION #10

DATE 14 September, 1972 TIME 10:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	15.4	22.8	16.6
2	15.4	22.8	16.6
4	15.3	22.9	16.7
6	15.3	22.9	16.7
7	15.3	22.9	16.7
9	15.3	23.0	16.7
11	15.2	22.9	16.7
13	15.8	25.1	18.2
15	15.8	25.5	18.5
17	15.6	25.8	18.8
18	14.1	26.0	19.3
20	13.5	26.1	19.5
22	12.5	26.0	19.6
24	11.2	26.1	19.9
26	10.1	26.1	20.0
27	9.2	26.2	20.2
29	8.9	26.2	20.3
31	8.1	26.2	20.4
33	7.5	26.3	20.6
35	6.7	26.3	20.6
37	6.0	26.3	20.7
38	5.6	26.3	20.8
40	5.1	26.3	20.8
42	4.8	26.4	20.9
46	4.4	26.3	20.9
49	3.9	26.3	20.9
53	3.6	26.3	20.9
57	3.1	26.3	21.0
60	3.5	26.5	21.1

STATION # 11

DATE 14 September, 1972 TIME 10:55 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	16.2	21.6	15.5
2	16.0	21.7	15.6
4	16.0	21.7	15.6
6	16.0	21.7	15.6
7	15.9	21.9	15.8
9	15.9	22.6	16.3
11	15.8	22.6	16.3
13	15.8	22.6	16.3
15	15.6	23.0	16.7
17	15.5	23.0	16.7
18	15.0	25.0	18.3
20	14.2	24.9	18.4

STATION #12

DATE 14 September, 1972 TIME 11:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	16.0	21.8	15.7
2	16.0	22.5	16.2
4	15.9	21.8	15.7
6	15.9	22.5	16.2
9	15.8	22.5	16.2
11	15.6	22.6	16.4
13	15.6	22.8	16.5
15	15.6	22.8	16.5
18	15.6	24.0	17.4
20	15.1	23.4	17.1
22	15.0	24.2	17.7
26	13.2	24.8	18.5
27	13.2	24.7	18.4
29	13.3	25.4	19.0
31	12.8	25.4	19.0
35	12.6	25.5	19.2
38	12.4	25.5	19.2
40	12.1	25.5	19.2
44	11.8	25.5	19.3
48	11.6	25.7	19.5
51	11.1	25.8	19.6

STATION # 19

DATE 14 September, 1972 TIME 13:35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.9	21.7	15.8
2	14.8	21.7	15.8
4	14.7	21.8	15.9
6	14.6	21.9	16.0
7	13.3	22.2	16.5
9	12.9	22.6	16.9
11	12.4	22.7	17.0
13	12.4	23.4	17.6
14	12.2	23.0	17.3

STATION # 20

DATE 14 September, 1972 TIME 13:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	15.3	21.6	15.7
2	15.3	21.6	15.7
4	15.1	21.7	15.8
6	14.7	21.8	15.9
9	13.0	22.2	16.5
11	12.4	22.3	16.7
13	12.2	22.4	16.8
15	12.0	22.5	17.0
17	7.7	22.4	17.5
18	6.8	22.4	17.6
20	5.8	22.2	17.5
22	6.1	22.4	17.7
24	6.1	22.4	17.7
26	5.1	22.2	17.6
27	4.8	23.2	18.4
29	4.8	23.2	18.4
33	4.8	23.2	18.4
37	4.9	23.4	18.5
40	5.0	22.7	18.0
44	5.0	23.4	18.5
48	4.6	23.4	18.6
51	4.5	18.3	14.6

STATION # 22

DATE 14 September, 1972 TIME 14:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	16.3	21.8	15.6
2	16.2	21.8	15.6
4	16.2	21.8	15.6
6	15.8	21.9	15.8
7	14.6	22.0	16.1
9	13.8	22.2	16.4
11	13.3	22.4	16.7
15	12.7	22.5	16.8
18	12.6	22.8	17.1
22	9.5	22.7	17.5
26	8.5	22.7	17.6
29	6.6	22.6	17.8
33	5.9	22.7	17.9
37	5.1	22.7	18.0
40	2.8	23.0	18.4
44	1.9	23.0	18.4
48	1.4	23.1	18.5
51	1.2	23.1	18.5
55	1.2	23.2	18.6
59	1.0	23.2	18.6

STATION #23

DATE 14 September, 1972 TIME 15:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	16.4	21.7	15.5
2	16.4	21.7	15.5
4	16.3	22.2	15.9
6	16.2	22.3	16.0
7	15.4	21.9	15.9
9	13.8	22.2	16.4
11	11.5	23.0	17.4
13	10.2	23.0	17.6
15	10.2	23.2	17.8

STATION #24 DATE 14 September, 1972 TIME 16:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	17.6	19.6	13.7
2	17.6	19.6	13.7
3	17.0	21.0	14.8
4	17.1	20.9	14.8
5	16.4	20.7	14.7
6	14.8	25.4	18.7

STATION #14 DATE 19 September, 1972 TIME 14:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	15.8	22.9	16.6
2	15.9	23.4	16.9
4	15.8	22.8	16.8
6	15.8	23.2	16.8
7	15.8	23.4	16.9
9	16.0	24.5	17.7
11	15.9	24.5	17.8
13	15.9	25.2	18.3
15	15.4	25.4	18.5
17	15.4	23.8	17.3
18	15.2	25.1	18.4
20	15.1	25.4	18.6
24	15.0	25.5	18.7
27	15.0	25.6	18.8

STATION #16      DATE    19 September, 1972      TIME    11:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	15.9	22.2	16.0
2	16.0	22.2	16.0
3	16.0	22.2	16.0
4	16.0	22.3	16.1
6	16.1	22.5	16.2
7	16.5	22.8	16.3
8	16.4	23.2	16.7
9	16.4	23.8	17.1
11	16.0	24.0	17.4
13	15.7	23.1	16.7
15	15.7	23.0	16.7

STATION #18      DATE    19 September, 1972      TIME    10:35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	15.7	21.4	15.4
2	15.6	21.3	15.4
4	15.7	21.8	15.7
6	15.7	21.4	15.4
7	15.5	21.8	15.8
9	14.4	22.7	16.7
11	11.7	22.9	17.2
13	6.3	23.6	18.6
15	4.3	23.4	18.6
17	3.7	23.4	18.6
18	2.8	23.6	18.9
20	2.8	23.2	18.5
22	2.6	24.3	19.4
24	2.6	24.0	19.2
26	2.6	24.2	19.3
29	2.5	24.9	19.9
33	2.5	24.2	19.3
37	2.3	24.4	19.5
40	2.3	25.0	20.0
44	2.3	24.9	19.9

STATION # 26

DATE 22 September, 1972 TIME 09:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.5	21.7	15.9
2	14.5	22.2	16.3
4	14.5	22.2	16.3
6	14.5	22.1	16.2
7	14.3	22.2	16.3
9	14.2	21.7	15.9
11	14.1	21.7	16.0
13	13.9	22.3	16.5
17	12.4	22.4	16.8
18	10.5	22.6	17.3
20	10.5	22.7	17.3
22	10.2	22.8	17.5
24	9.0	22.8	17.6
26	8.2	22.9	17.8
27	7.7	22.9	17.9

STATION # 4

DATE 26 September 1972 TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.7	23.0	16.8
2	14.6	23.6	17.3
4	14.5	23.6	17.3
6	14.6	23.4	17.2
7	14.6	23.6	17.3
9	14.7	23.7	17.4
11	14.7	24.0	17.6
13	14.3	24.8	18.3
15	14.0	25.0	18.5
17	14.1	25.7	19.0
18	13.2	26.0	19.4
20	12.3	24.8	18.7
22	8.5	26.0	20.2
24	9.5	22.7	17.5
26	8.5	26.0	20.2
27	9.9	20.4	15.6

STATION #5

DATE 26 September, 1972 TIME 15:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.8	23.4	16.9
2	14.9	24.2	17.7
3	14.8	24.3	17.8

STATION #7

DATE 26 September, 1972 TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	15.3	23.4	17.0
2	15.1	23.4	17.1
4	15.3	23.5	17.1
6	15.1	23.6	17.2
7	15.1	23.4	17.1
9	15.2	23.6	17.2
11	15.1	23.4	17.1
13	15.1	23.8	17.4
15	15.2	23.4	17.1
17	15.1	23.6	17.2
18	14.9	23.6	17.3
20	12.8	25.4	19.0
22	10.1	26.0	20.0
24	9.3	25.6	19.8
26	8.4	25.6	19.9
27	7.0	25.8	20.2
29	5.9	25.8	20.3
31	4.7	25.8	20.5
33	3.7	25.6	20.4
37	3.0	25.8	20.6
38	2.1	26.0	20.8
42	1.4	25.8	20.7
46	0.9	26.4	21.2
49	0.6	26.6	21.4
53	0.1	27.0	21.7
57	0.0	26.6	21.4
60	0.0	28.0	22.5

STATION # 8

DATE 26 September, 1972 TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.8	23.7	17.4
2	14.7	23.8	17.5
4	14.7	23.8	17.5
6	14.8	24.0	17.6
7	14.8	23.8	17.4
9	14.8	24.0	17.6
11	14.8	24.0	17.6
13	14.8	24.0	17.6
15	14.2	24.6	18.2
17	12.1	25.6	19.3
18	11.0	25.8	19.7
20	10.1	26.2	20.1
22	9.8	26.1	20.1
24	7.9	25.8	20.1
26	6.9	26.1	20.5
27	6.3	26.1	20.5
31	5.5	26.1	20.6
35	4.4	26.3	20.9

STATION # 1

DATE 28 September, 1972 TIME 12:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.4	24.9	18.4
2	14.4	25.2	18.6
4	14.4	25.4	18.7
6	14.4	25.6	18.9
7	14.3	26.0	19.2
9	14.3	26.1	19.3
11	14.2	26.0	19.2
13	14.1	26.2	19.4
15	14.0	26.8	19.9
17	14.1	27.0	20.0
18	13.9	27.0	20.1
20	13.9	27.1	20.2
22	13.7	27.4	20.4
24	13.7	27.4	20.4

STATION # 2

DATE 28 September, 1972 TIME 12:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.4	24.4	18.0
2	14.4	24.9	18.4
4	14.3	25.2	18.6
6	14.3	25.3	18.7
7	14.3	25.8	19.1
9	14.2	25.9	19.2
11	14.2	26.5	19.6
15	14.1	26.5	19.6
18	14.1	26.8	19.9
22	14.1	27.0	20.0
26	13.9	27.1	20.1
29	13.9	27.4	20.4
37	13.9	27.5	20.5
44	13.9	23.0	17.0
51	14.0	21.2	15.6

STATION # 3

DATE 28 September, 1972 TIME 12:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.5	23.8	17.5
2	14.4	24.6	18.1
4	14.5	25.1	18.5
6	14.4	25.0	18.4
7	14.4	25.3	18.7
11	14.4	25.4	18.7
13	14.4	25.4	18.7
15	14.3	25.8	19.1
17	14.3	26.0	19.2
20	14.2	27.1	20.1
24	14.1	27.0	20.0
27	14.0	27.0	20.1
31	14.0	27.4	20.4
35	13.9	27.4	20.4

STATION #9

DATE

2 October, 1972

TIME 10:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T GRAD</u>
1	14.6	22.7	16.6
2	14.7	22.6	16.5
4	14.6	22.8	16.7
6	14.6	23.0	16.9
7	14.6	23.4	17.2
9	14.6	23.5	17.3
11	14.5	23.6	17.3
13	14.4	24.0	17.7
15	14.8	25.1	18.4

STATION #10

DATE 2 October, 1972

TIME 10:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.4	23.2	17.0
2	14.3	23.2	17.1
4	14.3	23.2	17.1
6	14.3	23.2	17.0
7	14.4	23.1	17.0
9	14.4	23.1	17.0
11	14.2	23.2	17.1
13	14.2	23.2	17.2
15	14.2	23.4	17.3
17	13.8	23.8	17.6
18	13.5	24.0	17.8
20	13.4	24.3	18.1
22	12.6	24.6	18.4
24	11.2	24.9	18.9
26	10.6	24.9	19.0
27	10.2	25.0	19.1
29	9.0	25.0	19.3
31	8.4	25.1	19.5
33	7.9	25.1	19.5
35	7.1	25.2	19.7
37	6.6	25.1	19.7
38	6.3	25.2	19.8
40	5.9	25.2	19.8
42	5.3	25.2	19.9
44	4.9	25.2	20.0
46	4.7	25.2	20.0
49	4.4	25.2	20.0
53	4.1	25.2	20.1
57	3.9	25.3	20.1
60	3.9	25.3	20.1

STATION #11

DATE 2 October, 1972

TIME 11:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	13.8	22.2	16.4
2	13.8	22.2	16.4
4	13.8	22.8	16.9
6	13.8	23.2	17.2
7	13.8	23.2	17.2
9	13.8	23.1	17.1
11	13.8	23.2	17.2
13	13.8	23.6	17.5
15	13.8	23.8	17.6
17	13.8	23.6	17.5
18	13.7	23.8	17.7
20	13.7	23.8	17.7
22	13.6	23.9	17.7

STATION #12

DATE 2 October, 1972

TIME 11:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.0	22.2	16.4
2	13.9	22.1	16.3
4	13.9	22.1	16.3
6	13.9	22.1	16.3
7	13.9	22.1	16.3
9	13.9	22.2	16.4
11	14.0	22.2	16.4
13	14.1	22.3	16.4
15	14.2	22.8	16.8
17	14.2	23.6	17.4
18	13.6	23.6	17.5
20	13.2	24.0	17.9
22	13.2	24.1	17.9
24	13.0	24.1	18.0
27	12.9	24.3	18.2
31	12.5	24.6	18.5
35	12.3	24.6	18.5
38	12.0	24.7	18.6
42	11.7	24.8	18.8
46	11.5	24.8	18.8
49	11.4	24.8	18.8
53	11.1	24.5	18.6
57	11.0	24.5	18.7
60	10.9	24.5	18.7

STATION #14                    DATE 3 October, 1972                    TIME 9:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.5	22.8	16.7
2	14.5	22.7	16.7
4	14.6	22.8	16.7
6	14.6	22.8	16.7
7	14.7	22.8	16.7
9	14.7	23.6	17.3
11	14.6	24.2	17.8
13	14.5	24.6	18.1
15	14.4	24.6	18.1
17	13.7	25.0	18.6
18	13.5	25.0	18.6

STATION #16                    DATE 3 October, 1972                    TIME 11:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	13.7	20.5	15.1
2	14.0	21.4	15.8
4	14.3	21.8	16.0
6	14.3	21.9	16.1
7	14.5	22.8	16.7
9	14.9	23.6	17.3
11	14.9	24.5	18.0
13	14.9	24.3	17.8

STATION #17

DATE 3 October, 1972

TIME 11:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.5	21.9	16.0
2	14.5	21.9	16.0
4	14.5	21.9	16.0
7	14.5	21.9	16.0
11	14.9	23.2	17.0
15	13.1	23.7	17.7
18	8.5	23.8	18.5
22	4.7	23.4	18.5
26	2.9	23.4	18.7
29	0.1	23.4	18.8
33	1.9	23.4	18.7

STATION #18

DATE 3 October, 1972

TIME 12:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.4	21.5	15.8
2	14.4	21.5	15.8
4	14.3	21.5	15.8
6	14.3	21.5	15.8
7	14.3	21.6	15.9
9	14.7	22.7	16.6
11	12.7	23.2	17.4
13	8.8	22.8	17.7
15	3.9	23.1	18.4
17	3.0	23.2	18.5
18	2.9	23.4	18.7
22	2.8	23.6	18.9
24	2.7	24.2	19.3
27	2.7	24.3	19.4
31	2.7	24.3	19.4
35	2.6	24.3	19.4
38	2.5	24.3	19.4
39	2.4	24.3	19.4

STATION #3

DATE 11 October, 1972 TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	13.7	23.6	17.5
2	13.7	23.6	17.5
4	13.7	23.6	17.5
6	13.6	23.7	17.6
7	13.6	23.8	17.7
9	13.7	24.0	17.8
11	13.7	24.0	17.8
13	13.7	24.5	18.2
15	13.7	24.5	18.2
18	13.6	25.2	18.7
22	13.5	26.1	19.5
24	13.5	26.3	19.6
26	13.5	26.5	19.8
29	13.5	26.4	19.7
33	13.4	26.5	19.8
37	13.4	26.5	19.8

STATION #8

DATE 11 October, 1972

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	14.0	23.4	17.3
2	14.0	23.4	17.3
4	14.0	23.4	17.3
6	14.0	23.4	17.3
7	14.0	23.4	17.3
11	13.8	23.4	17.3
15	13.7	23.4	17.3
17	13.7	23.4	17.3
20	13.7	23.4	17.3
22	12.9	24.3	18.2
24	12.5	25.8	19.4
26	11.8	25.7	19.5
27	8.1	25.5	19.9
29	7.7	25.5	19.9
31	7.2	25.6	20.0
33	6.3	25.6	20.1
35	5.7	25.7	20.3
37	5.3	25.6	20.2
40	5.1	25.7	20.3
44	4.8	25.7	20.4
48	4.3	25.7	20.4
51	4.2	25.7	20.4
55	3.9	25.7	20.4
57	3.2	25.7	20.5

STATION # 16

DATE 16 October, 1972

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	11.7	21.7	16.4
2	11.7	21.7	16.4
4	11.9	22.1	16.7
6	12.2	22.3	16.8
7	12.5	22.8	17.1
9	12.7	23.2	17.4
11	13.1	23.4	17.5
13	13.2	23.7	17.7
15	13.3	23.8	17.7

STATION #18

DATE 16 October, 1972 TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	10.9	21.2	16.1
2	11.2	21.1	16.0
4	11.3	21.1	16.0
6	12.0	21.5	16.2
7	12.4	21.6	16.2
9	12.6	22.1	16.5
11	12.7	22.4	16.8
13	12.6	22.7	17.0
15	7.1	22.6	17.7
17	3.3	22.9	18.3
20	2.8	23.1	18.5
22	2.6	23.4	18.7
24	2.6	23.7	18.9
27	2.4	24.0	19.1
31	2.4	24.0	19.2
35	2.3	24.2	19.4
38	2.3	24.1	19.3
42	2.3	24.1	19.3

STATION #5

DATE 17 October, 1972 TIME 10:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	11.2	23.3	17.7
2	11.1	23.4	17.8
3	11.1	23.4	17.8

STATION #10

DATE 18 October, 1972 TIME 13:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	11.1	23.8	18.1
4	11.1	23.8	18.1
7	11.1	24.0	18.3
11	11.1	24.0	18.3
15	10.9	24.1	18.4
18	10.8	24.2	18.5
22	10.5	24.5	18.7
24	10.2	24.6	18.9
26	8.2	25.4	19.8
27	8.2	25.6	19.9

STATION #11

DATE 18 October, 1972 TIME 13:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	11.4	22.0	16.7
2	11.4	22.5	17.0
4	11.4	22.6	17.1
6	11.5	22.6	17.1
7	11.5	22.7	17.2
9	11.5	22.7	17.2
13	11.3	22.7	17.2
15	11.4	22.7	17.2
18	11.3	22.7	17.2
20	11.2	22.7	17.2
22	10.6	23.6	18.0

STATION # 14

DATE 19 October, 1972 TIME 10:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	10.1	18.2	13.9
2	11.3	21.5	16.3
4	11.5	22.4	17.0
6	11.5	22.6	17.1
7	11.5	23.1	17.5
9	11.5	22.9	17.3
11	11.5	24.1	18.3
13	11.2	24.1	18.3
15	11.2	24.7	18.8
17	10.8	24.2	18.5

STATION # 6

DATE 25 October, 1972 TIME 12:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	10.3	-----	-----
2	10.4	-----	-----
4	10.4	-----	-----
6	10.4	-----	-----
7	10.4	-----	-----
9	10.4	-----	-----
13	10.4	-----	-----
17	10.3	-----	-----
18	9.7	-----	-----
20	9.3	-----	-----
22	8.4	-----	-----
24	7.8	-----	-----
26	9.1	-----	-----
27	9.3	-----	-----

STATION #7

DATE 25 October, 1972 TIME 12:50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	10.5	-----	-----
4	10.5	-----	-----
7	10.5	-----	-----
11	10.5	-----	-----
15	10.5	-----	-----
18	10.5	-----	-----
22	10.5	-----	-----
24	9.2	-----	-----
26	8.5	-----	-----
27	8.1	-----	-----
31	7.3	-----	-----
33	6.7	-----	-----
37	6.6	-----	-----
38	6.4	-----	-----
40	6.1	-----	-----
42	5.9	-----	-----
46	5.6	-----	-----
49	4.5	-----	-----
51	4.0	-----	-----
55	3.5	-----	-----
59	3.0	-----	-----
60	2.2	-----	-----

STATION #8

DATE 25 October, 1972 TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	9.8	-----	-----
4	9.8	-----	-----
6	9.9	-----	-----
9	10.0	-----	-----
13	10.1	-----	-----
15	10.0	-----	-----
18	10.0	-----	-----
22	10.0	-----	-----
24	10.3	-----	-----
26	10.4	-----	-----
29	9.7	-----	-----
33	9.1	-----	-----
37	8.6	-----	-----
40	8.4	-----	-----
44	7.7	-----	-----
48	7.2	-----	-----
51	5.4	-----	-----
55	5.0	-----	-----
59	4.8	-----	-----

STATION #3

DATE 27 October, 1972 TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	10.9	20.2	15.3
2	10.7	20.2	15.4
4	10.5	20.2	15.4
6	10.5	20.6	15.7
7	10.5	20.6	15.7
9	10.4	20.9	16.0
11	10.3	21.4	16.4
13	10.3	21.6	16.5
15	10.3	21.6	16.5
17	10.1	22.4	17.2
18	10.1	22.6	17.3
20	10.1	22.6	17.3
24	10.1	22.7	17.4
27	10.1	22.7	17.4
31	10.0	22.7	17.4
35	10.0	22.7	17.4
37	10.0	22.7	17.4

STATION #4

DATE 27 October, 1972

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	9.8	18.1	13.9
2	9.8	18.5	14.2
4	10.1	19.8	15.2
6	10.0	19.9	15.2
7	10.0	19.9	15.2
9	10.1	20.0	15.3
13	10.2	20.0	15.3
17	10.3	20.0	15.3
20	10.3	21.0	16.1
24	10.0	21.5	16.5
27	10.0	21.7	16.6
31	10.0	21.7	16.6
35	10.0	21.7	16.6
38	9.8	21.8	16.7
42	9.6	21.9	16.8
46	9.6	21.9	16.8
49	9.6	22.1	17.0
53	8.7	21.8	16.9
57	7.6	21.8	17.0
60	7.4	22.1	17.3

STATION # 14

DATE 2 November, 1972

TIME 12:30 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	7.7	19.8	15.5
2	7.6	20.2	15.8
4	7.8	21.6	16.8
6	9.3	22.5	17.4
7	9.4	22.5	17.4
11	9.3	22.8	17.6
13	9.6	22.8	17.6
15	9.6	23.1	17.8
17	9.6	23.5	18.1

STATION #16

DATE 2 November, 1972 TIME 12:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.7	19.2	15.1
2	7.1	19.5	15.3
4	7.5	20.3	15.8
6	7.9	20.4	15.9
7	8.1	20.5	15.9
9	9.1	22.2	17.2
11	9.9	22.6	17.4
13	9.8	22.6	17.4
15	9.9	22.6	17.4
17	9.9	22.6	17.4

STATION #17

DATE 2 November, 1972 TIME 13:30 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.9	18.7	14.7
4	7.0	19.4	15.2
7	8.6	19.8	15.4
11	8.8	21.1	16.4
15	8.4	21.9	17.0
17	6.3	22.6	17.8
18	5.9	22.5	17.8
22	3.9	22.3	17.8
26	2.1	22.3	17.9
29	2.1	22.4	17.9

STATION #18

DATE 2 November, 1972

TIME 11:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	8.3	18.6	14.5
2	8.6	19.6	15.2
4	8.4	19.7	15.3
6	8.3	19.7	15.3
7	8.9	19.8	15.3
9	8.7	20.1	15.6
11	9.1	21.0	16.2
13	9.3	21.7	16.7
15	9.3	20.9	16.1
17	9.3	20.9	16.1
18	9.6	21.5	16.5
20	9.5	21.5	16.6
22	9.2	22.0	17.0
24	4.1	21.4	17.1
26	2.9	22.8	17.9
27	2.4	23.1	18.5
29	2.2	23.2	18.6
33	2.0	23.2	18.6
37	2.0	23.4	18.7
40	2.0	23.4	18.8
44	2.0	23.4	18.8

STATION #10

DATE 6 November, 1972

TIME 9:25 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	10.0	21.7	16.6
2	8.7	22.2	17.2
6	8.3	22.3	17.3
9	8.1	22.4	17.4
13	7.9	22.6	17.6
17	7.9	22.7	17.7
20	7.9	22.7	17.7
24	7.7	22.7	17.7
27	7.8	22.8	17.8
31	8.5	23.9	18.6
35	8.5	24.5	19.0
38	8.6	24.5	19.0
42	8.4	24.8	19.3

STATION #11

DATE 6 November, 1972 TIME 10:15 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	7.0	21.7	17.0
2	7.1	21.8	17.1
4	7.3	22.0	17.2
6	7.3	22.1	17.3
9	7.3	22.1	17.3
11	7.3	22.2	17.4
14	7.3	22.2	17.4
17	7.5	21.9	17.1
19	7.4	22.0	17.2
21	7.4	22.1	17.3

STATION #12

DATE 6 November, 1972 TIME 10:35 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	7.2	22.0	17.2
2	7.4	22.0	17.2
6	7.3	22.0	17.2
9	7.4	21.0	16.4
13	7.3	22.1	17.3
17	7.7	22.4	17.5
20	7.8	22.8	17.8
24	8.1	23.1	17.9
27	8.2	23.3	18.1
31	8.2	23.3	18.1
35	8.2	23.3	18.1
38	8.4	23.4	18.1
42	8.5	23.4	18.2
46	8.7	23.4	18.1
49	8.7	23.9	18.5
53	8.9	24.1	18.6
57	8.9	24.0	18.6
60	8.9	24.1	18.6
64	9.0	24.2	18.7

STATION #19

DATE 6 November, 1972

TIME 12:10 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.9	22.3	17.5
2	7.2	22.2	17.4
4	7.2	22.4	17.6
6	7.2	22.4	17.6
7	7.1	22.2	17.4
9	7.2	22.3	17.5
11	7.2	22.3	17.5

STATION #20

DATE 6 November, 1972

TIME 11:45 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.9	22.1	17.3
2	7.3	22.2	17.4
6	7.3	22.2	17.4
9	7.3	22.2	17.4
13	7.1	22.2	17.4
17	7.2	22.2	17.4
20	7.2	22.2	17.4
24	7.2	22.1	17.3
27	7.2	22.2	17.4
31	7.3	22.3	17.5
35	7.3	22.5	17.6
38	7.3	22.5	17.6
42	7.4	22.6	17.7
46	7.5	22.6	17.7
49	7.5	22.5	17.6
53	6.6	22.6	17.8
55	6.1	22.7	17.9

STATION #22

DATE 6 November, 1972

TIME 13:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.4	21.7	17.1
2	6.7	21.7	17.1
4	6.9	21.8	17.1
7	6.9	21.8	17.1
11	6.9	21.8	17.2
15	7.2	22.0	17.2
18	7.6	22.0	17.2
22	7.7	22.2	17.3
26	7.8	22.1	17.2
29	7.7	22.1	17.2
33	7.7	22.1	17.2
37	7.7	22.2	17.4
40	7.6	22.2	17.4
44	7.6	22.2	17.3
48	7.5	22.2	17.3
51	7.5	22.2	17.3
55	7.5	22.3	17.4
59	7.5	22.3	17.4

STATION #23

DATE 6 November, 1972

TIME 13:30 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.4	21.3	16.7
2	6.4	21.3	16.7
4	6.4	21.4	16.8
6	6.4	21.4	16.8
9	6.5	21.4	16.8
13	6.7	21.5	16.9
17	6.8	21.8	17.2
20	6.9	22.0	17.3
24	7.5	22.0	17.2
27	7.6	22.1	17.3

STATION #24

DATE 6 November, 1972

TIME 14:30 A.S.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
1	5.5	19.5	15.4
2	5.0	19.5	15.4
2	5.5	20.2	16.0
3	5.5	20.2	16.0
3	6.5	20.6	16.2
4	7.0	21.0	16.5
5	7.0	27.7	17.0
6	7.0	23.1	18.1

STATION #3

DATE 8 November, 1972

TIME 13:30 A.S.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
1	6.7	24.2	19.0
2	6.7	24.4	19.1
4	7.0	24.3	19.1
7	7.1	24.3	19.0
11	7.1	24.8	19.4
15	7.2	25.5	20.0
18	7.4	26.5	20.7
22	7.5	26.7	20.8
26	7.5	26.8	20.9
29	7.5	26.8	20.9

STATION #4

DATE 8 November, 1972

TIME 12:15 A.S.T

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	7.2	24.0	18.8
2	7.2	24.2	19.0
4	7.1	24.2	19.0
7	7.1	24.1	18.9
11	7.2	24.2	19.0
15	7.2	24.5	19.2
18	7.7	24.6	19.2
22	7.9	24.7	19.2
26	7.9	24.7	19.2
29	7.6	25.1	19.6
33	7.5	26.3	20.6
37	7.6	26.5	20.7
40	7.7	26.5	20.7
44	6.9	26.8	21.0
48	6.8	26.8	21.0
51	6.6	26.8	21.0
55	6.6	26.8	21.0
59	6.5	26.8	21.0
62	6.4	27.0	21.2
66	6.4	27.0	21.2
70	6.7	27.4	21.5
73	6.8	27.4	21.5
77	7.2	27.8	21.7
81	7.7	27.9	21.7
84	7.9	27.9	21.8
88	7.0	27.9	21.9
91	7.2	28.2	22.0

STATION #8

DATE 8 November, 1972

TIME 12:45 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.7	24.0	18.9
2	6.9	24.2	19.0
4	7.0	24.2	18.9
7	7.1	24.2	18.9
11	7.1	24.1	18.9
15	7.3	24.3	19.0
18	7.3	24.3	19.0
22	7.4	24.2	19.0
26	7.9	24.5	19.1
29	7.9	25.4	19.8
31	7.7	25.6	20.0
35	7.0	26.0	20.4
38	6.3	27.1	21.3
42	5.4	26.3	20.8
46	4.8	26.3	20.9

STATION #13

DATE 8 November, 1972

TIME 14:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.6	22.8	17.9
2	6.7	22.8	17.9
4	6.8	23.4	18.4
7	7.0	23.9	18.7
11	7.0	23.9	18.7
15	7.2	24.2	18.9
18	7.4	24.6	19.2
22	7.6	24.4	19.0
26	7.6	25.2	19.7

STATION #1

DATE 9 November, 1972

TIME 08:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	7.0	26.5	20.7
2	7.0	26.9	21.1
4	7.0	26.9	21.1
7	7.0	26.9	21.1
11	7.0	27.6	21.6
15	7.0	27.6	21.6
18	7.0	27.6	21.6
22	7.0	27.6	21.6
26	7.0	27.6	21.6
29	7.0	27.6	21.6

STATION #6

DATE 14 November, 1972

TIME 11:50 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.7	23.1	18.1
2	6.8	23.2	18.2
4	6.8	23.2	18.2
7	6.6	23.2	18.2
11	6.3	24.1	19.0
15	6.2	24.1	19.0
18	6.2	24.6	19.4
22	6.1	24.6	19.4

STATION #7

DATE 14 November, 1972

TIME 12:35 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	6.3	22.8	17.9
3	6.6	22.9	18.0
4	6.6	22.9	18.0
7	6.7	23.1	18.1
11	6.9	23.1	18.1
15	6.8	23.4	18.3
18	6.8	23.3	18.3
22	6.7	23.6	18.5
26	5.7	24.2	19.1
29	5.7	24.8	19.6
33	4.3	24.8	19.7
37	2.1	25.0	20.0
40	2.1	25.7	20.6
44	1.6	26.1	20.9
48	0.9	26.1	20.9
51	0.6	25.9	20.8

STATION #14

DATE 20 November, 1972

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	4.1	20.3	16.2
2	5.2	21.9	17.3
4	5.4	21.9	17.3
6	5.6	22.1	17.5
7	5.8	22.7	17.9
9	5.9	23.2	18.3
11	6.2	23.3	18.3
13	6.1	23.3	18.3
15	6.1	23.2	18.3
17	6.1	23.4	18.5

STATION #16

DATE 22 November, 1972

TIME 13:15 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	3.8	17.2	13.7
2	4.0	18.0	14.4
4	4.7	18.9	15.0
7	5.7	21.0	16.6
11	6.0	21.4	16.9
15	6.3	21.7	17.0

STATION #18

DATE 22 November, 1972

TIME 12:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	3.4	16.6	13.3
2	3.6	17.9	14.2
4	4.4	17.6	14.0
7	4.9	18.3	14.4
11	5.5	18.7	14.8
15	6.6	20.8	16.3
18	2.6	21.1	16.9
22	2.1	22.2	17.8
26	1.9	22.2	17.8
29	1.8	22.5	18.0
33	1.8	22.5	18.0
37	1.8	22.5	18.0
40	1.8	22.7	18.2

STATION #3

DATE 5 December, 1972

TIME 12:20 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	2.2	22.7	18.2
4	2.7	22.7	18.1
7	2.9	23.0	18.4
11	3.1	23.8	19.0
15	3.1	25.4	20.2
18	3.1	27.0	21.5
22	3.1	27.1	21.6

STATION #4

DATE 5 December, 1972

TIME 12:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	1.6	21.0	16.8
4	2.9	21.8	17.4
7	3.0	21.8	17.4
11	3.3	21.9	17.5
15	3.4	22.1	17.6
18	3.6	22.5	17.9
22	3.6	22.7	18.1
26	3.6	23.3	18.6
29	3.6	23.5	18.7
31	3.6	24.0	19.1

STATION #5

DATE 5 December, 1972

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	2.0	15.4	12.3
2	1.6	23.1	18.5
3	1.5	23.1	18.5
4	1.5	23.1	18.5
5	1.5	23.1	18.5
6	1.5	23.2	18.6
6	1.5	22.8	18.3
7	1.5	22.8	18.3
8	1.5	22.8	18.3
9	1.5	22.8	18.3

STATION #7

DATE 5 December, 1972

TIME 11:20 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	2.9	21.4	17.1
4	3.1	21.5	17.2
7	3.1	21.6	17.2
11	3.2	21.7	17.3
15	3.5	22.0	17.5
18	3.6	22.0	17.5
22	3.9	22.2	17.7
26	3.9	22.3	17.8
29	3.9	22.3	17.8
31	4.0	22.5	17.9
35	4.0	22.7	18.0
38	4.0	23.0	18.3
42	4.0	23.1	18.4
46	4.1	23.3	18.5
53	4.0	24.0	19.1
60	4.1	24.5	19.4
68	0.9	24.6	19.7
75	0.4	24.8	20.0
82	0.1	24.9	20.0

STATION # 10

DATE 5 December, 1972

TIME 10:40 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	1.4	21.7	17.4
2	1.7	21.8	17.4
4	2.2	21.9	17.6
7	2.7	22.2	17.8
11	2.9	22.5	17.9
15	3.5	22.6	18.0
18	3.8	22.8	18.1
22	3.9	23.0	18.3
26	4.2	23.4	18.6
29	4.2	23.5	18.7
31	4.4	23.9	18.9

STATION # 11

DATE 5 December, 1972

TIME 10:20 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	3.0	21.5	17.2
2	3.0	21.8	17.4
4	2.9	21.8	17.4
7	2.7	22.1	17.7
11	2.9	22.2	17.7
15	3.4	22.8	18.2
18	3.7	23.0	18.3
22	3.8	23.2	18.5
24	3.9	23.4	18.6

STATION #13

DATE 5 December, 1972 TIME 12:30 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	1.6	21.0	16.8
4	2.7	22.3	17.8
7	3.5	22.9	18.3
11	3.6	23.1	18.4
15	3.7	23.1	18.4
18	3.7	23.2	18.5
22	3.8	23.4	18.6
24	---	24.0	----

STATION # 5

DATE 12 December, 1972 TIME 16:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	0.5	21.5	17.3
2	1.5	20.6	16.5
3	1.7	20.6	16.5
4	1.7	20.6	16.5
5	2.0	20.6	16.5
6	1.9	20.6	16.5
6	1.9	20.6	16.5

STATION #16

DATE 12 December, 1972 TIME 14:25 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	2.8	17.4	13.9
2	2.5	18.1	14.5
4	3.9	21.9	17.4
6	4.7	23.3	18.5
9	4.9	23.3	18.5
13	4.6	23.9	18.9
15	4.5	23.9	19.0

STATION #11

DATE 4 December, 1973 TIME 11:45 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	-0.2	22.2	17.9
4	-0.1	22.2	17.9
7	0.0	22.2	17.9
11	0.1	22.5	18.0
15	0.3	22.5	18.1
18	0.3	22.5	18.1
20	0.2	22.5	18.1

STATION # 16

DATE 4 January, 1973 TIME 10:45 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	1.1	17.2	13.8
4	1.6	21.8	17.5
7	1.9	22.8	18.3
11	1.9	23.0	18.4
15	1.9	23.1	18.5

STATION # 11

DATE 26 February, 1973 TIME 12:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	-0.5	22.1	17.7
1	-0.5	22.2	17.8
2	-0.7	22.3	17.9
4	-0.7	22.3	17.9
6	-0.7	22.3	17.9
9	-0.4	22.3	17.9
13	-0.1	22.8	18.3
16	0.0	24.1	19.4
20	0.2	25.5	20.4
23	0.0	25.9	20.8

STATION # 16

DATE 26 February, 1973 TIME 11:00 A.S.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
1	0.5	0.7	0.5
2	0.9	20.8	16.7
4	1.1	22.3	17.9
6	0.6	22.5	18.1
9	0.6	22.6	18.1
11	0.7	23.0	18.4

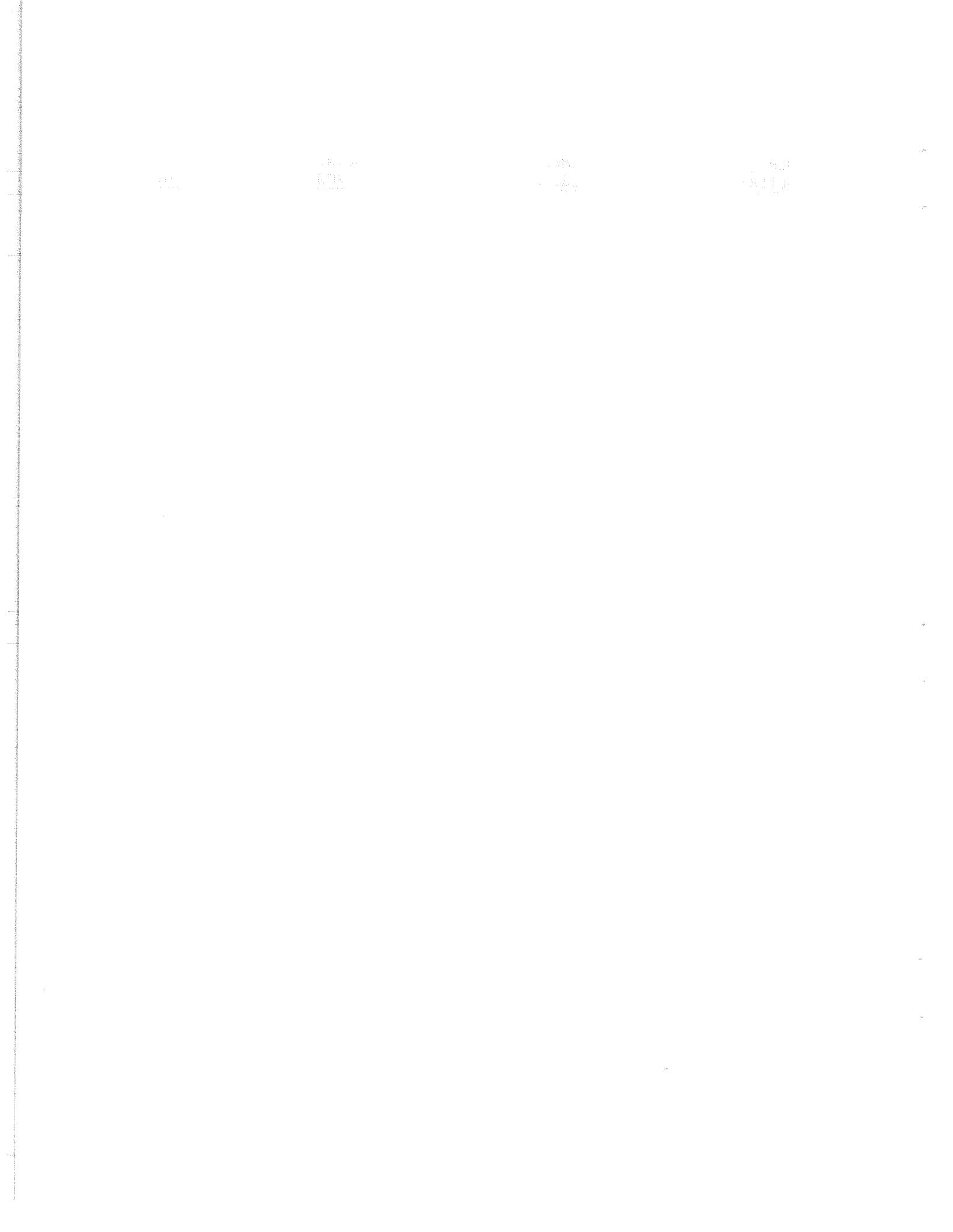


TABLE 21

BRAS D'OR 1973  
DEPTH, TEMPERATURE, SALINITY, SIGMA-T

DATE	STATION															c/m	c/m	
	1	2	3	4	6	7	8	11	13	14	15	16	17	18	23	24	6	7
July 13				X	X	X	X		X									
16	X	X	X	X					X	X	X	X	X	X				
17	X	X	X	X														
18	X	X	X	X		X	X		X	X	X	X	X	X				
19					8HR STN													
20		13HR STN																
23									2HR STN									
24																X	X	X
27									X	X	X	X	X					
28	X	X	X	X														
Aug. 12									X	X	X	X						
12	VARIOUS STATIONS IN INLETS OFF ST. PATRICKS CHANNEL																	

Beckman RS5 used for all observations.

STATION #4

DATE 13 July, 1973

TIME 15.35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.06	21.00	14.40
1	19.07	21.25	14.58
3	19.01	21.27	14.61
5	18.99	21.26	14.61
10	16.99	23.06	16.42
15	13.17	26.20	19.59
20	13.15	27.10	20.29
30	13.25	27.00	20.19
45	08.11	25.66	19.97

STATION #6

DATE 13 July, 1973

TIME 12.10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	21.70	21.78	14.34
1	21.70	21.78	14.35
3	21.54	21.77	14.37
5	21.50	21.83	14.42
6	21.43	21.79	14.41
11	19.88	21.81	14.81

STATION #7

DATE 13 July, 1973

TIME 13.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG.C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.44	21.22	14.23
3	20.53	21.23	14.22
5	20.53	21.30	14.27
10	20.16	21.26	14.33
15	04.73	23.92	18.97
20	03.16	24.0	19.15
30	01.87	24.67	19.75
45	00.83	25.20	20.22

STATION #8

DATE 13 July, 1973

TIME 14.45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.53	21.29	14.50
1	19.42	21.19	14.45
3	19.43	21.29	14.53
5	19.38	21.37	14.60
10	12.70	23.66	17.73
15	06.20	23.33	18.37
20	05.98	24.41	19.24
30	05.32	26.18	20.70
45	02.55	26.07	20.83

STATION #13

DATE 13 July, 1973

TIME 16.10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.76	20.76	14.05
1	19.77	20.91	14.16
3	19.69	20.77	14.07
5	19.39	20.82	14.18
10	15.23	23.82	17.37
15	12.36	25.55	19.24
20	12.31	26.35	19.87
23	12.78	26.56	19.94

STATION #1

DATE 16 July, 1973

TIME 15.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.79	24.30	17.19
1	17.43	24.50	17.42
2	16.95	25.16	18.02
3	16.48	25.72	18.56
5	16.07	26.66	19.37
10	15.23	27.34	20.06
15	14.50	29.34	21.75
25	14.52	29.35	21.75
35	14.60	29.30	21.70
50	14.73	29.28	21.65
60	14.68	29.26	21.65

STATION #2

DATE 16 July, 1973

TIME 16.10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.52	22.41	15.59
1	18.43	22.42	15.62
2	18.30	22.44	15.66
3	17.96	22.98	16.15
5	17.21	23.04	16.36
10	16.51	24.90	17.93
15	15.75	25.89	18.85
25	15.16	26.61	19.52
35	15.08	26.99	19.83
50	14.57	27.32	20.18
60	14.16	27.60	20.48

STATION #3

DATE 16 July, 1973

TIME 16.45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.95	21.08	14.48
1	18.74	21.31	14.70
2	18.35	21.51	14.95
3	18.31	21.54	14.98
5	18.10	21.96	15.34
10	17.37	23.75	16.87
15	16.15	25.78	18.68
25	15.33	26.59	19.49
35	15.39	26.59	19.46
50	15.38	26.58	19.45

STATION #4

DATE 16 July, 1973

TIME 17.05 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG.C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.64	20.79	14.33
1	18.61	20.79	14.34
2	18.20	20.97	14.57
3	18.17	21.22	14.76
5	18.17	21.31	14.83
10	17.71	21.38	14.98
15	14.15	26.16	19.38
25	10.36	25.82	19.98
35	11.77	26.26	19.89
50	9.11	25.00	19.33

STATION #13

DATE 16 July, 1973

TIME 13.28 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.08	20.21	12.79
1	19.08	19.08	12.94
2	18.90	20.43	14.00
3	18.67	20.83	14.36
5	17.23	21.64	15.29
10	16.76	22.11	15.75
15	13.41	24.32	18.10
25	11.42	25.91	19.68
35	11.57	25.84	19.60
50	11.79	25.41	19.23
60	11.51	25.51	19.35

STATION #14

DATE 16 July, 1973

TIME 13.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.26	19.81	13.45
1	19.24	19.71	13.38
2	19.17	19.88	13.52
3	19.22	19.86	13.49
5	18.54	21.24	14.70
10	14.69	22.99	16.84
15	12.35	24.16	18.17
25	10.42	25.24	19.32
35	10.79	24.69	18.84
50	11.18	24.40	18.55

STATION #15

DATE 16 July, 1973

TIME 12.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.33	20.13	13.90
1	18.28	20.22	13.98
2	18.38	20.58	14.23
3	18.02	20.74	14.43
5	17.00	21.18	14.99
10	13.67	22.12	16.37
15	9.19	23.65	18.27
25	9.18	23.89	18.45

STATION #16

DATE 16 July, 1973

TIME 12.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.50	18.68	12.77
1	18.02	19.06	13.16
2	17.45	19.91	13.93
3	16.64	20.41	14.48
5	15.62	21.08	15.20
10	11.35	21.80	16.52
15	10.33	22.12	16.91
25	10.58	21.90	16.71
35	10.60	21.91	16.71
50	11.09	21.84	16.57
60	10.78	21.83	16.63

STATION #17

DATE 16 July, 1973

TIME 11.15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.46	18.76	12.61
1	19.49	18.36	12.23
2	19.34	18.60	12.51
3	19.18	18.56	12.52
5	12.60	21.00	15.70
10	9.53	21.34	16.42
15	6.90	21.61	16.95
25	2.35	22.56	18.05
35	2.04	23.03	18.44
50	2.05	23.05	18.45
60	2.54	22.38	17.90

STATION #18

DATE 16 July, 1973

TIME 10.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.02	18.38	12.42
1	18.97	18.33	12.39
2	18.25	18.96	13.03
3	17.25	19.45	13.62
5	12.32	20.40	15.28
10	7.73	21.00	16.38
15	2.77	22.17	17.72
25	2.53	23.99	19.18
35	2.50	23.98	19.17
50	3.12	23.56	18.80

STATION #1

DATE 17 July, 1973

TIME 10.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.28	23.93	17.02
1	17.25	24.21	17.24
2	16.79	24.84	17.83
3	16.80	24.84	17.82
5	16.62	25.15	18.10
9	16.14	26.04	18.88

STATION #2

DATE 17 July, 1973

TIME 10.45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.07	21.96	15.35
1	18.05	22.00	15.38
2	18.15	22.13	15.59
3	17.99	22.66	15.90
5	17.65	23.15	16.35
10	16.86	24.69	17.69
15	16.21	25.60	18.53
25	15.82	26.51	19.31
35	15.69	26.03	18.97
50	15.46	27.27	19.96
60	15.25	27.35	20.07

STATION #3

DATE 17 July, 1973

TIME 11.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.31	21.88	15.23
1	18.28	21.83	15.20
2	18.35	21.83	15.19
3	18.33	21.85	15.21
5	18.24	21.99	15.33
10	16.66	25.30	18.20
15	16.50	25.58	18.45
25	15.52	27.00	19.74
28	15.60	26.84	19.60

STATION #4

DATE 17 July, 1973

TIME 11.50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.14	21.53	15.01
1	18.12	21.80	15.22
2	18.07	21.67	15.13
3	18.08	21.67	15.13
5	18.08	21.71	15.16
10	17.66	22.03	15.49
15	15.25	26.04	19.34
25	12.77	26.86	20.28
35	11.18	26.78	20.39
50	7.89	26.22	20.44
60	6.10	26.32	20.73

STATION #1

DATE 18 July, 1973

TIME 9.28 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.18	23.55	16.76
1	16.97	24.22	17.31
2	16.72	24.56	17.63
3	16.61	24.55	17.64
5	16.20	25.36	18.35
10	15.92	26.38	19.19
13	15.86	27.24	19.86

STATION #2

DATE 18 July, 1973

TIME 10.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.24	21.75	15.04
1	17.99	21.95	15.36
2	17.77	22.35	15.71
3	17.60	22.69	16.01
5	17.51	23.06	16.31
10	16.95	24.56	17.58
15	16.69	25.15	18.08
25	16.07	25.94	18.82
35	15.71	26.56	19.37
50	15.26	26.90	19.72
60	15.17	27.09	19.89

STATION #3

DATE 18 July, 1973

TIME 10.45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.52	21.38	18.52
1	18.40	21.21	18.40
2	18.27	21.37	18.27
3	18.14	21.37	18.14
5	18.12	21.67	18.12
10	17.96	23.77	17.96
15	16.11	25.34	16.11
25	15.53	26.13	15.53
35	15.51	26.20	15.51

STATION #4

DATE 18 July, 1973

TIME 11.20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.88	21.31	14.67
1	18.72	22.19	14.62
2	18.81	21.01	14.46
3	18.83	21.00	14.45
5	18.80	21.14	14.56
10	16.26	22.10	15.85
15	12.61	25.05	18.81
25	10.23	25.74	19.74
35	10.69	26.04	19.91
50	8.52	25.70	19.95
60	6.01	25.49	20.09

STATION #7

DATE 18 July, 1973

TIME 12.40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.04	21.01	14.17
1	20.12	20.98	14.13
2	20.08	20.96	14.12
3	20.10	20.96	14.12
5	20.00	20.98	14.16
10	15.27	22.80	16.58
15	6.38	23.47	18.46
25	2.48	24.23	19.37
35	1.44	24.40	19.56
50	0.98	24.54	19.69
60	0.60	24.74	19.86

STATION #8

DATE 18 July, 1973

TIME UNKNOWN

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	19.40	21.91	15.00
1	19.28	20.74	14.15
2	19.30	20.70	14.11
3	19.32	20.70	14.11
5	18.98	20.75	14.22
10	16.84	21.44	15.22
15	11.86	24.27	18.34
25	6.04	24.30	19.15
31	4.95	24.31	19.26

STATION #13

DATE 18 July, 1973

TIME 13:45 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	18.40	20.94	14.51
1	18.42	20.95	14.50
2	18.43	21.04	14.57
3	18.43	20.94	14.49
5	18.35	21.00	14.56
10	16.05	21.64	15.54
15	13.26	24.13	17.99
22	10.96	25.15	19.17

STATION #14

DATE 18 July, 1973

TIME 15.20 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	18.78	20.65	14.20
1	18.60	20.63	14.22
2	18.38	21.01	14.56
3	18.41	21.15	14.66
5	18.34	21.13	14.66
10	15.21	21.76	15.80
15	10.35	23.75	18.18

STATION #15

DATE 18 July, 1973

TIME 15.40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.84	19.42	13.25
1	18.82	19.79	13.53
2	18.78	20.15	13.82
3	18.75	20.16	13.84
5	18.23	20.85	14.47
10	15.28	21.60	15.67

STATION #16

DATE 18 July, 1973

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.65	17.46	11.81
1	18.08	17.72	12.13
2	17.85	17.95	12.35
3	17.12	18.57	12.98
5	15.94	14.47	13.91
10	10.59	21.15	16.13
12	10.04	21.01	16.10

STATION #17

DATE 18 July, 1973

TIME 16.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.80	18.75	12.91
1	17.60	18.71	12.99
2	17.49	18.71	13.01
3	17.38	18.82	13.12
5	14.49	19.94	14.55
10	9.40	21.12	15.49
15	6.27	21.51	16.15
25	2.43	22.34	17.87
34	2.26	22.40	17.93

STATION #18

DATE 18 July, 1973 TIME 16.45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.12	17.92	12.05
1	19.13	17.92	12.05
2	19.12	17.91	12.04
3	19.04	17.92	12.07
5	13.98	19.69	14.45
10	7.74	20.58	16.05
15	2.96	21.72	17.35
25	2.71	23.21	18.55
35	2.67	23.42	18.72

STATION #4

DATE 19 July, 1973 TIME 9.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.70	21.63	14.96
1	18.71	21.32	14.72
2	18.75	21.41	14.78
3	18.76	21.47	14.82
5	18.70	21.50	14.86
9	18.08	21.98	15.36

STATION #4

DATE 19 July, 1973 TIME 9.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.75	21.46	14.82
1	18.75	21.28	14.68
2	18.76	21.48	14.83
3	18.74	21.28	14.68
5	18.71	21.12	14.57
9	18.32	21.57	15.00

STATION #4

DATE 19 July, 1973 TIME 10.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.84	21.17	14.56
1	18.80	21.12	14.55
2	18.80	21.13	14.55
3	18.82	21.19	14.59
5	18.80	21.23	14.63
9	18.38	21.50	14.93

STATION #4 DATE 19 July, 1973 TIME 11.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.88	20.85	14.32
1	18.78	20.99	14.45
2	18.72	21.09	14.54
3	18.79	21.04	14.49
5	18.73	21.09	14.54
9	18.35	21.80	15.16

STATION #4 DATE 19 July, 1973 TIME 11.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.91	21.03	14.45
1	18.84	21.08	14.51
2	18.88	21.16	14.56
3	18.83	21.02	14.46
5	18.83	21.11	14.53
9	18.43	21.56	14.96

STATION #4 DATE 19 July, 1973 TIME 12.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.90	21.12	14.52
1	18.84	21.04	14.48
2	18.86	20.90	14.37
3	18.87	21.07	14.49
5	18.87	21.06	14.48
9	18.36	21.99	15.31

STATION #4 DATE 19 July, 1973 TIME 12.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.07	21.07	14.45
1	19.04	21.11	14.48
2	19.01	21.09	14.48
3	19.01	20.97	14.38
5	18.93	20.94	14.38
9	18.11	21.98	15.30

STATION #4 DATE 19 July, 1973 TIME 13.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.04	22.27	15.36
1	19.08	21.23	14.58
2	19.04	20.82	14.26
3	18.97	20.74	14.22
5	19.03	20.82	14.27
9	17.92	21.93	15.36

STATION #4 DATE 19 July, 1973 TIME 14.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.00	21.12	14.50
1	18.87	20.97	14.42
2	19.06	20.93	14.34
3	19.05	20.97	14.37
5	18.98	20.93	14.36
9	18.31	21.98	15.31

STATION #4 DATE 19 July, 1973 TIME 14.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.95	21.21	14.58
1	18.91	21.14	14.54
2	18.91	21.07	14.48
3	19.00	21.18	14.55
5	18.85	21.04	14.49
9	18.60	21.35	14.77

STATION #4 DATE 19 July, 1973 TIME 15.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.89	21.15	14.55
1	18.99	21.01	14.42
2	18.78	21.14	14.57
3	18.85	21.11	14.53
5	18.90	21.14	14.54
9	18.59	21.36	14.78

STATION #4	DATE	19 July, 1973	TIME	15.30 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>	
0	18.87	21.34	14.70	
1	18.80	21.14	14.56	
2	18.80	21.04	14.48	
3	18.83	21.01	14.46	
5	18.79	21.01	14.47	
9	18.23	21.98	15.33	

STATION #4	DATE	19 July, 1973	TIME	16.00 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>	
0	18.77	21.22	14.63	
1	18.64	21.06	14.54	
2	18.70	21.02	14.49	
3	18.71	21.13	14.57	
5	18.74	21.08	14.53	
9	18.02	22.05	15.43	

STATION #4	DATE	19 July, 1973	TIME	16.30 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>	
0	18.63	21.19	14.64	
1	18.68	21.08	14.54	
2	18.68	21.07	14.54	
3	18.64	21.11	14.58	
5	18.63	21.04	14.52	
9	18.28	21.74	15.14	

STATION #1	DATE	20 July, 1973	TIME	7.00 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>	
0	17.13	25.47	18.23	
1	17.10	25.47	18.24	
2	17.13	25.13	17.97	
3	17.08	25.16	18.00	
5	17.08	25.26	18.08	
10	16.92	25.92	18.62	
15	16.00	29.11	21.25	

## STATION #1

DATE 20 July, 1973

TIME 7.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.28	24.03	17.10
1	17.17	24.22	17.12
2	17.17	24.37	17.38
3	17.14	24.57	17.54
5	17.12	25.15	17.99
10	16.98	25.46	18.25
15	15.92	29.01	21.20

## STATION #1

DATE 20 July, 1973

TIME 8.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.54	23.57	16.69
1	17.29	23.66	16.81
2	17.20	24.00	17.09
3	17.14	24.19	17.25
5	16.91	24.75	17.73
10	16.77	25.37	18.23
15	15.94	28.31	20.66

## STATION #1

DATE 20 July, 1973

TIME 8.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.77	22.82	16.07
1	17.58	23.09	16.32
2	17.42	23.59	16.73
3	17.23	23.98	17.07
5	16.98	24.60	17.60
10	16.70	25.54	18.38
15	15.98	28.07	20.46

## STATION #1

DATE 20 July, 1973

TIME 9.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.76	22.71	15.99
1	17.71	22.90	16.14
2	17.44	23.47	16.64
3	17.18	23.93	17.05
5	17.00	24.60	17.59
10	16.90	25.03	18.38
15	15.95	28.26	20.61

STATION #1 DATE 20 July, 1973 TIME 9.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.73	22.85	16.10
1	17.67	22.88	16.14
2	17.56	23.13	16.35
3	17.45	23.39	16.57
5	17.15	24.09	17.17
10	16.83	25.10	18.01
15	15.88	28.58	20.87

STATION #1 DATE 20 July, 1973 TIME 10.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.80	23.40	16.50
1	17.68	23.03	16.25
2	17.66	23.28	16.44
3	17.62	23.31	16.52
5	17.38	23.77	16.88
10	16.96	24.69	17.67
15	16.08	27.86	20.28

STATION #1 DATE 20 July, 1973 TIME 10.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.07	22.71	15.92
1	17.98	22.95	16.12
2	17.86	23.13	16.29
3	17.73	23.46	16.56
5	17.27	24.40	17.38
10	16.96	25.34	18.17
15	16.24	28.13	20.38

STATION #1 DATE 20 July, 1973 TIME 11.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.99	23.00	16.16
1	17.90	23.16	16.30
2	17.81	23.35	16.46
3	17.72	23.46	16.57
5	17.30	24.16	17.19
10	17.08	24.78	17.71
15	16.58	26.71	19.29

STATION #1 DATE 20 July, 1973 TIME 11.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.80	23.36	16.47
1	17.80	23.30	16.43
2	17.70	23.58	16.66
3	17.72	23.66	16.72
5	17.62	24.06	17.05
10	17.10	24.97	17.85
15	17.01	25.44	18.23

STATION #1 DATE 20 July, 1973 TIME 12.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.90	23.57	16.61
1	17.88	23.48	16.55
2	17.82	23.60	16.65
3	17.72	23.74	16.78
5	17.62	23.88	16.91
10	17.37	24.63	17.54
15	16.94	25.59	18.36

STATION #1 DATE 20 July, 1973 TIME 12.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.33	23.78	16.90
1	17.31	23.93	17.02
2	17.40	23.93	17.00
3	17.34	24.24	17.24
5	17.18	24.27	17.30
10	17.14	24.43	17.43
15	16.49	26.14	18.88

STATION #1 DATE 20 July, 1973 TIME 13.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.67	24.06	17.03
1	17.58	23.97	16.98
2	17.48	23.83	16.90
3	17.56	23.84	16.89
5	17.41	23.91	16.98
10	16.94	24.80	17.76
15	16.62	25.83	18.61

## STATION #1

DATE 20 July, 1973

TIME 13.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.86	23.39	16.48
1	17.78	23.47	16.56
2	17.51	23.66	16.77
3	17.42	23.73	16.84
5	17.23	24.26	17.28
10	16.69	25.47	18.32
15	15.86	28.39	20.73

## STATION #1

DATE 20 July, 1973

TIME 14.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.58	23.92	16.95
1	17.58	23.84	16.89
2	17.45	23.87	16.94
3	17.42	23.86	16.95
5	16.64	24.65	17.71
10	16.02	25.92	18.81
15	14.75	27.30	20.13

## STATION #1

DATE 20 July, 1973

TIME 14.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.70	23.68	16.74
1	17.65	23.78	16.83
2	17.58	23.83	16.88
3	17.50	23.92	16.97
5	16.80	24.90	17.87
10	15.75	26.45	19.29
15	15.05	27.37	20.12

## STATION #1

DATE 20 July, 1973

TIME 15.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.83	23.76	16.77
1	17.80	23.81	16.82
2	17.71	23.69	16.74
3	17.67	23.76	16.81
5	17.18	24.24	17.28
10	15.22	26.94	19.76
15	14.42	27.97	20.71

STATION #1 DATE 20 July, 1973 TIME 15.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.77	23.94	16.92
1	17.66	23.95	16.95
2	17.62	24.11	17.08
3	17.44	24.20	17.19
5	16.61	24.96	17.95
10	15.12	27.45	20.17
15	14.47	28.51	21.12

STATION #1 DATE 20 July, 1973 TIME 16.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.84	24.30	17.18
1	17.77	24.24	17.15
2	17.73	24.21	17.14
3	17.60	24.28	17.22
5	17.27	24.49	17.45
10	14.74	27.71	20.46
15	14.55	28.25	20.90

STATION #1 DATE 20 July, 1973 TIME 16.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.73	24.24	17.16
1	17.69	24.23	17.16
2	17.64	24.32	17.24
3	17.24	24.64	17.57
5	16.81	25.08	18.00
10	14.76	27.97	20.67
15	14.46	28.51	21.12

STATION #1 DATE 20 July, 1973 TIME 17.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.56	24.59	17.46
1	17.64	24.49	17.37
2	17.55	24.46	17.37
3	17.44	24.71	17.58
5	16.71	25.37	18.24
10	14.83	28.06	20.70
15	14.41	28.47	21.10

STATION #1

DATE 20 July, 1973

TIME 17.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.94	23.43	16.49
1	17.99	23.49	16.53
2	17.83	23.65	16.69
3	17.68	23.73	16.75
5	16.76	25.09	18.02
10	14.70	27.85	20.56
15	14.31	28.33	21.01

STATION #1

DATE 20 July, 1973

TIME 18.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.76	23.70	16.74
1	17.69	23.70	16.76
2	17.63	23.86	16.89
3	17.35	24.23	17.24
5	16.92	24.80	17.76
10	15.69	26.68	19.46
15	14.62	28.14	20.80

STATION #1

DATE 20 July, 1973

TIME 18.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.57	23.95	16.97
1	17.42	24.22	17.21
2	17.18	24.42	17.42
3	17.03	24.57	17.57
5	16.68	25.33	18.22
10	16.15	26.07	18.90
15	14.58	28.28	20.92

STATION #1

DATE 20 July, 1973

TIME 19.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.35	24.18	17.20
1	17.28	24.20	17.23
2	17.24	24.47	17.44
3	17.13	24.74	17.67
5	16.75	25.07	18.01
10	16.24	26.03	18.85
15	14.70	28.13	20.78

## STATION #1

DATE 20 July, 1973

TIME 19.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.36	24.20	17.21
1	17.21	24.20	17.24
2	17.02	24.39	17.43
3	16.82	24.89	17.86
5	16.50	25.28	18.22
10	16.03	26.31	19.11
15	14.45	28.65	21.23

## STATION #1

DATE 20 July, 1973

TIME 20.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.28	24.07	17.13
1	17.31	24.23	17.24
2	17.08	24.58	17.29
3	16.89	24.91	17.86
5	16.42	25.43	18.35
10	16.02	26.38	19.16
15	14.58	28.76	21.29

## STATION #11

DATE 23 July, 1973

TIME 14.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.39	23.35	16.33
1	18.37	23.34	16.33
2	18.31	23.34	16.34
3	18.23	23.30	16.33
5	18.12	22.75	15.94
10	18.01	23.08	16.21
15	16.70	22.56	16.11
22	11.85	24.65	18.63

## STATION #11

DATE 23 July, 1973

TIME 14.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.54	20.55	14.17
1	18.54	20.55	14.17
2	18.49	20.65	14.26
3	18.33	20.84	14.44
5	17.91	21.19	14.80
10	17.71	21.54	15.11
15	16.93	21.92	15.57
22	10.86	25.87	19.74

STATION #11

DATE 23 July, 1973

TIME 15.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.50	20.81	14.38
1	18.42	20.52	14.18
2	18.23	20.53	14.23
3	17.97	20.46	14.23
5	17.75	20.68	14.45
10	17.76	20.69	14.45
15	17.31	21.02	14.80
22	15.08	21.85	15.91

STATION #11

DATE 23 July, 1973

TIME 15.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.48	20.24	13.95
1	18.40	20.29	14.01
2	18.07	20.42	14.18
3	17.96	20.50	14.27
5	17.92	20.51	14.28
10	17.90	20.82	14.52
15	16.04	21.16	15.12
22	15.36	22.04	15.99

STATION #6C/M

DATE 24 July, 1973

TIME 9.45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-t</u>
0	18.02	21.47	14.99
1	18.01	21.79	15.23
2	17.96	21.89	15.32
3	17.95	21.91	15.34
5	17.95	21.91	15.34
10	12.73	22.31	16.68
15	5.36	22.22	17.58
25	5.84	22.12	17.46
35	5.83	22.52	17.77

STATION #7 C/M

DATE 24 July, 1973

TIME 10.15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.96	21.65	15.14
1	17.90	21.13	14.76
2	17.90	21.02	14.67
3	17.85	21.08	14.73
5	17.86	21.00	14.67
10	12.36	21.15	15.85
15	6.80	21.25	16.68
25	4.76	21.66	17.19
35	5.22	22.06	17.46
50	2.66	22.16	17.72
60	2.81	22.50	17.98

STATION #23

DATE 24 July, 1973

TIME 11.35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.68	21.28	14.70
1	18.63	21.30	14.72
2.	18.52	21.05	14.56
3	18.52	21.17	14.65
5	18.30	21.22	14.74
10	18.27	21.08	14.64
15	8.17	21.22	16.50
20	5.84	21.81	17.90

STATION #24

DATE 24 July, 1973

TIME 13.35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.24	21.40	14.66
1	19.24	21.13	14.45
2	19.12	21.30	14.61
3	19.16	21.14	14.48
5	12.98	22.21	16.56
10	4.72	24.52	19.45
15	1.30	26.62	21.34
25	0.98	26.88	21.56
32	0.93	26.97	21.63

STATION #14

DATE 27 July, 1973

TIME 16.50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.00	20.40	13.72
1	20.00	20.38	13.70
2	19.77	20.77	14.05
3	19.55	21.06	14.33
5	17.49	22.67	16.02
10	14.64	23.20	17.01
15	12.48	25.52	19.20

STATION #15

DATE 27 July, 1973

TIME 16.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-t</u>
0	20.28	20.63	13.82
1	20.02	20.44	13.74
2	19.59	20.78	14.10
3	19.14	21.20	14.53
5	18.19	22.42	15.67
10	13.41	23.90	17.78

STATION #16

DATE 27 July, 1973

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.89	19.77	13.03
1	20.67	19.81	13.11
2	20.25	20.68	13.87
3	16.20	21.76	15.60
5	13.84	22.96	16.98
10	12.58	22.92	17.18

STATION #17

DATE 27 July, 1973

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.42	20.44	13.65
1	20.42	21.10	14.15
2	20.28	21.16	14.23
3	19.72	21.32	14.48
5	15.01	23.45	17.13
10	10.30	24.38	18.67
15	5.15	26.04	20.61
25	2.20	26.52	21.21
35	2.20	24.98	19.98
40	2.34	23.97	19.17

STATION #18

DATE 27 July, 1973

TIME UNKNOWN

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.03	20.78	14.00
1	20.00	20.57	13.85
2	19.94	20.70	13.96
3	19.79	20.83	14.09
5	13.36	22.68	16.85
10	9.30	23.46	18.10
15	3.35	23.72	18.92
25	2.76	26.25	20.96
35	2.54	26.30	21.02
45	2.55	25.14	20.09

STATION #1

DATE 28 July, 1973

TIME 12.15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.42	26.73	18.89
1	18.42	26.52	18.73
2	18.41	26.83	18.97
3	18.36	26.95	19.07
5	18.13	28.00	19.92
10	17.84	29.27	20.96

STATION #2

DATE 28 July, 1973

TIME 11.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.04	24.10	16.75
1	18.93	24.01	16.71
2	18.99	23.97	16.66
3	18.92	24.26	16.90
5	18.87	25.35	17.74
10	18.56	26.00	18.30
15	18.28	26.92	19.07
25	18.05	27.85	19.83
35	17.97	27.62	19.67
50	17.82	27.87	19.90
60	17.55	28.04	20.09

STATION #2

DATE 28 July, 1973

TIME 14.35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.78	24.37	17.01
1	18.77	24.21	16.90
2	18.76	24.30	16.97
3	18.71	24.38	17.04
5	18.68	24.45	17.10
10	18.60	24.62	17.25
15	17.96	26.51	18.83
25	17.90	26.50	18.84
35	17.80	26.63	18.96
50	17.47	26.81	19.17
60	17.37	29.91	21.56

STATION #3

DATE 28 July, 1973

TIME 10.30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.92	22.54	15.59
1	18.92	22.70	15.72
2	18.93	23.10	16.02
3	18.89	23.20	16.10
5	18.85	23.80	16.57
10	18.64	25.66	18.03
15	18.65	25.56	17.95
25	17.52	27.80	19.91
35	17.48	27.80	19.93
40	17.42	27.69	19.85

STATION #3                    DATE    28 July, 1973                    TIME    16.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG.C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.96	21.70	14.95
1	18.95	21.64	14.91
2	18.95	21.76	15.00
3	18.90	21.62	14.90
5	18.62	21.92	15.19
10	18.68	23.22	16.26
15	17.03	25.82	18.52
25	16.79	25.93	18.65
35	15.90	25.79	18.74
43	15.70	25.76	18.76

STATION #4                    DATE    28 July, 1973                    TIME    17.00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.11	21.20	14.54
1	19.03	21.13	14.50
2	18.97	21.10	14.49
3	18.91	21.25	14.62
5	18.08	21.60	15.07
10	17.16	22.11	15.66
15	14.45	24.93	18.39
25	7.17	25.67	20.10
35	6.52	25.87	20.33
50	7.13	26.43	20.70
60	6.70	26.35	20.69

STATION 16

DATE 12 August, 1973 TIME 11:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.0	13.9	8.8
1	19.5	18.9	12.7
2	19.5	19.2	13.0
3	19.6	19.8	13.4
5	18.9	20.2	13.8
10	15.7	20.8	15.0
13	14.7	21.3	15.5

STATION LAT. 46° 00.18'  
LONG. 60° 59.65'

DATE 12 August, 1973 TIME 11:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	21.2	14.6	9.1
1	21.2	14.7	9.1
2	21.2	16.4	10.4
3	20.3	16.9	11.0
5	17.3	17.3	12.0
6	14.4	-	-
7	11.0	-	-
8	9.4	-	-
9	8.4	-	-
10	8.4	17.6	13.7
15	8.0	17.7	13.8
18	8.0	17.7	13.8

STATION 15

DATE 12 August, 1973

TIME 12:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.2	18.1	12.0
1	20.2	18.2	12.0
2	20.2	18.4	12.2
3	20.1	19.3	12.9
5	19.1	20.6	14.1
10	17.1	22.0	15.6
11.5	16.9	22.1	15.7

STATION Lat.  $46^{\circ} 05.30'$  DATE 12 August, 1973 TIME 13:30 A.D.T.  
Long.  $60^{\circ} 52.35'$ 

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.9	4.3	1.6

STATION Lat.  $46^{\circ} 05.00'$  DATE 12 August, 1973 TIME 13:35 A.D.T.  
Long.  $60^{\circ} 52.40'$ 

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.9	1.6	-0.5
0.5	19.5	1.7	-0.3
0.75	19.9	12.5	7.8
1.0	20.8	18.3	11.9
1.5	20.8	19.8	13.1

STATION Lat.  $46^{\circ} 05.05'$  DATE 12 August 1973 TIME 13:50 A.D.T.  
 Long.  $60^{\circ} 53.18'$

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.9	4.6	2.0
0.5	20.2	12.0	7.4
1	20.6	17.9	11.7
2	20.5	19.2	12.7
3	20.1	20.1	13.5
5	19.7	20.6	14.0
6	19.1	20.8	14.3

STATION Lat.  $46^{\circ} 04.72'$  DATE 12 August 1973 TIME 14:00 A.D.T.  
 Long.  $60^{\circ} 54.00'$

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	21.0	17.8	11.5
1	20.5	19.0	12.6
2	20.4	19.2	12.7
3	20.3	19.6	13.0
4	19.6	20.4	13.8

STATION Lat.  $46^{\circ} 04.20'$  DATE 12 August, 1973 TIME 14:10 A.D.T.  
 Long.  $60^{\circ} 53.94'$

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.9	18.3	11.9
1	20.5	19.1	12.6
2	20.5	19.6	13.0
3	20.2	19.8	13.2
5	19.2	20.7	14.1
7	18.5	21.2	14.7

STATION Lat.  $46^{\circ} 01.05'$  DATE 12 August 1973 TIME 14:50 A.D.T.  
 Long.  $60^{\circ} 52.05'$

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	21.2	20.0	13.1
1	21.0	20.4	13.4

STATION Lat.  $46^{\circ} 01.48'$  DATE 12 August 1973 TIME 14:55 A.D.T.  
 Long.  $60^{\circ} 51.70'$

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	21.7	19.2	12.4
1	20.5	20.3	13.5
2	20.2	20.5	13.7
3	20.2	20.6	13.8

STATION Lat.  $46^{\circ} 03.00'$  DATE 12 August 1973 TIME 15:15 A.D.T.  
 Long.  $60^{\circ} 50.29'$

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.9	18.6	12.1
1	20.7	18.6	12.2
2	20.5	19.0	12.5
3	20.7	19.6	13.0
5	19.6	20.8	14.2
10	17.0	22.4	15.9
12	16.2	22.8	16.4

STATION 14 DATE 12 August 1973 TIME 15:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.7	18.8	12.3
1	20.4	18.8	12.4
2	20.1	19.6	13.1
3	20.0	19.9	13.3
5	19.5	21.1	14.4
10	18.0	22.1	15.4
15	13.7	24.5	18.2
16.5	14.0	25.2	18.6

STATION 13 DATE 12 August 1973 TIME 15:50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	20.6	19.9	13.2
1	20.6	19.9	13.2
2	20.2	20.2	13.5
3	19.9	20.4	13.8
5	19.5	20.8	14.2
10	17.8	21.7	15.2
15	15.9	24.0	17.4
25	8.2	24.3	18.9

STATION Lat. 46° 07.47' Long. 60° 42.17' DATE 12 August 1973 TIME 16:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	21.9	18.9	12.1
1	21.5	20.1	13.1
2	21.1	20.4	13.4
3	20.5	20.5	13.7

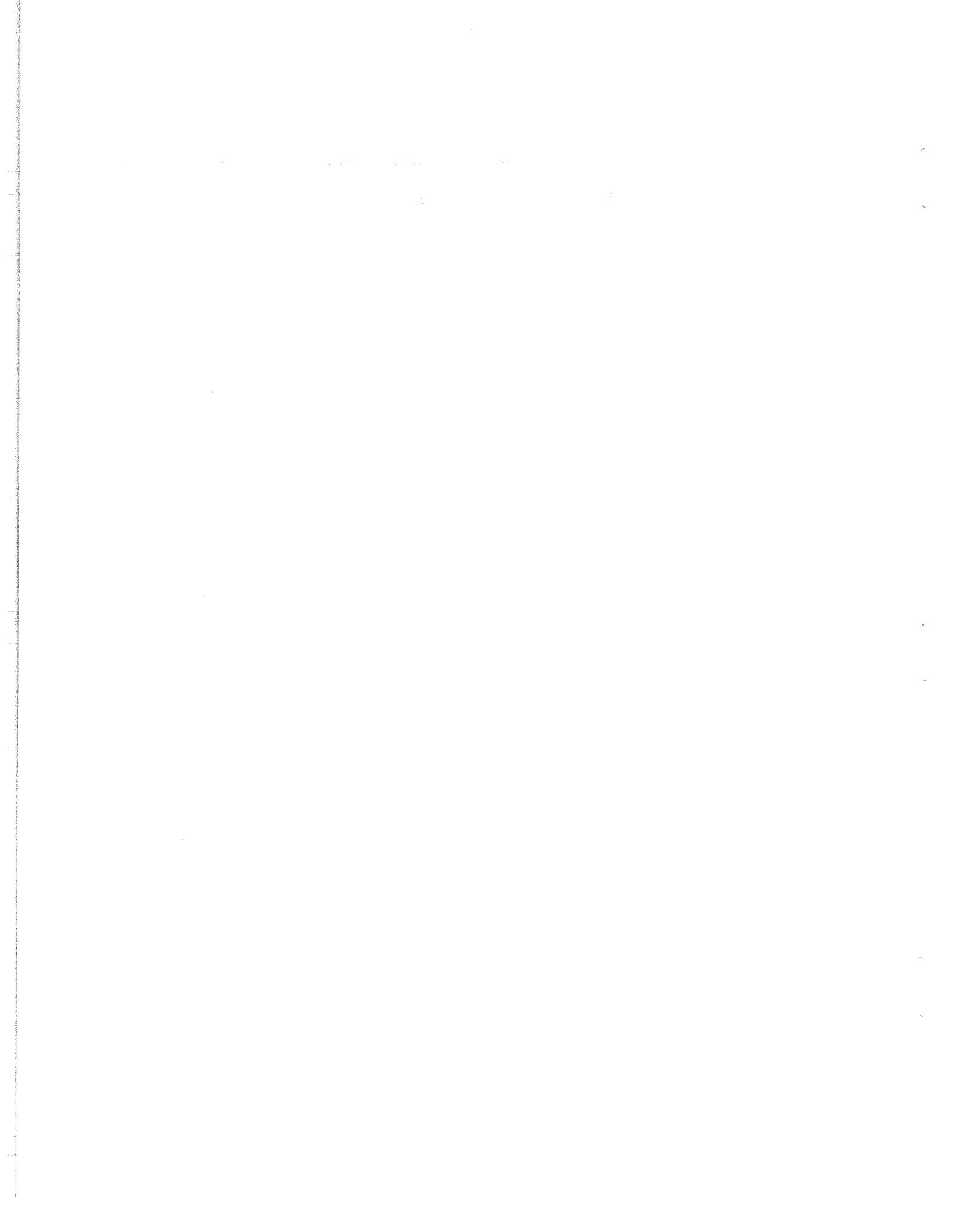


TABLE 22

**DEPTH, TEMPERATURE, SALINITY, SIGMA-T  
BRAS D'OR 1974**

STATION #23

DATE 22 May, 1974

TIME 21:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.66	20.82	16.45
1	5.71	20.68	16.36
2	5.63	20.95	16.55
3	5.78	20.78	16.41
5	5.52	20.77	16.42
10	5.14	20.71	16.41
15	4.12	20.84	16.58
20	2.52	20.85	16.68
25	2.55	20.91	16.73
30	2.62	20.85	16.68

STATION #24

DATE 22 May, 1974

TIME 20:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.12	20.45	15.91
1	7.87	20.35	15.86
2	8.16	20.33	15.81
3	7.92	20.38	15.88
5	5.82	20.62	16.28
10	2.11	23.08	18.48
15	2.20	24.30	19.44
20	2.04	24.41	19.54
25	2.20	24.08	19.27
30	2.47	23.89	19.10
35	2.69	23.78	19.00
40	2.82	23.60	18.85
45	2.82	23.62	18.87
50	2.82	23.55	18.81

STATION #25

DATE 22 May, 1974

TIME 17:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.67	20.43	16.05
1	6.63	20.43	16.05
2	6.43	20.47	16.10
3	6.09	20.45	16.12
5	5.89	20.62	16.27
10	5.06	20.66	16.37
15	4.14	20.70	16.47
20	3.56	20.60	16.43

STATION #26

DATE 22 May, 1974

TIME 17:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.50	20.30	15.86
1	7.20	20.32	15.91
2	6.54	20.35	16.00
3	6.23	20.28	15.97
5	6.27	20.43	16.09
10	5.52	20.54	16.24
15	4.67	20.15	16.00
20	4.59	20.20	16.05
25	4.76	20.18	16.02
30	4.97	20.07	15.92
35	4.83	20.04	15.90

STATION #27

DATE 22 May, 1974

TIME 16:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.12	21.76	17.15
1	6.06	21.79	17.18
2	5.92	20.72	16.35
3	5.92	20.80	16.41
5	5.70	20.80	16.43
10	5.37	20.76	16.43
15	4.53	20.76	16.49
20	4.25	20.76	16.51
25	1.93	20.86	16.71
30	1.53	20.92	16.78
35	1.58	20.92	16.77
40	1.51	21.00	16.84
45	1.78	20.58	16.50
50	1.54	21.00	16.84
55	1.70	20.70	16.60
60	1.50	20.94	16.79
65	1.42	20.93	16.79
70	1.45	20.94	16.79

STATION #1

DATE 23 May, 1974

TIME 17:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	4.65	25.91	20.55
1	4.33	25.98	20.63
2	4.21	26.33	20.92
3	4.13	26.67	21.19
5	3.99	26.95	21.43
10	3.38	28.55	22.74
15	3.86	29.50	23.46
20	2.78	29.70	23.70

STATION #2

DATE 23 May, 1974

TIME 16:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.20	22.80	17.96
1	6.09	22.90	18.04
2	5.50	23.54	18.60
3	4.98	24.50	19.41
5	4.90	24.88	19.71
10	4.62	25.43	20.17
15	4.56	25.56	20.28
20	4.48	25.60	20.32
25	4.34	25.97	20.62
30	4.23	26.24	20.85
35	4.16	26.31	20.91
40	4.16	26.30	20.91
45	4.16	26.30	20.91

STATION #3

DATE 23 May, 1974

TIME 16:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.43	21.15	16.53
1	7.02	21.48	16.84
2	6.54	21.78	17.12
3	6.31	22.35	17.59
5	5.35	23.58	18.65
10	4.95	24.42	19.35
15	4.70	24.83	19.69
20	4.44	25.33	20.11
25	4.28	25.51	20.26
30	4.24	25.58	20.32
35	4.16	25.58	20.33
40	4.20	25.58	20.33

STATION #4

DATE 23 May, 1974

TIME 15:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.30	20.18	15.68
1	8.14	20.33	15.81
2	7.66	20.30	15.84
3	7.43	20.37	15.92
5	7.32	20.68	16.18
10	5.77	22.54	17.79
15	4.35	24.15	19.18
20	3.97	24.73	19.67
25	4.92	24.16	19.14
30	4.75	24.09	19.10
35	4.81	24.16	19.15
40	4.89	24.20	19.18
45	5.07	24.22	19.18
50	5.56	23.87	19.00
55	5.55	23.70	18.72
56	4.13	24.26	19.29

STATION #5

DATE 23 May, 1974

TIME 18:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.50	21.55	16.84
1	7.50	21.67	16.93
2	6.95	21.65	16.98
3	6.71	21.88	17.18

STATION #6

DATE 23 May, 1974

TIME 18:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.88	20.98	16.35
1	7.52	21.10	16.49
2	7.23	21.09	16.51
3	5.46	21.53	17.03
5	7.76	21.78	16.99
9	3.95	22.90	18.23

STATION #7

DATE 23 May, 1974

TIME 19:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.40	20.70	16.19
1	7.45	20.69	16.17
2	7.39	20.67	16.16
3	7.31	20.72	16.21
5	7.09	20.84	16.33
10	2.42	23.59	18.87
15	1.47	24.21	19.40
20	0.86	24.53	19.68
25	0.65	24.71	19.83
30	0.58	24.80	19.91
35	0.50	24.91	20.00
40	0.41	25.00	20.08
45	0.38	25.05	20.11
50	0.34	25.09	20.15
55	0.32	25.15	20.20
60	0.24	25.20	20.23
65	0.24	25.13	20.18
70	0.22	25.20	20.24
75	0.17	25.29	20.31
80	0.18	25.31	20.33
85	0.20	25.36	20.37
90	0.23	25.31	20.33
95	-	-	-
100	0.16	25.30	20.32
105	0.17	25.37	20.38
110	0.16	25.38	20.38
115	0.15	25.42	20.42
120	0.10	25.43	20.43
125	0.10	25.43	20.43

STATION #8

DATE 23 May, 1974

TIME 20:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.01	21.01	16.47
1	6.99	21.00	16.46
2	7.05	21.00	16.46
3	7.02	21.04	16.49
5	6.88	21.04	16.51
10	4.00	22.50	17.91
15	2.33	23.94	19.15
20	1.20	24.55	19.69
25	1.05	24.74	19.84
30	0.79	24.78	19.89
35	0.66	24.82	19.92
40	0.55	24.87	19.96
45	0.50	25.08	20.13
50	0.52	25.17	20.21
55	0.35	25.20	20.24
60	0.67	24.80	19.91
65	0.40	24.68	19.82
70	0.40	25.01	20.08
75	0.30	25.15	20.20
80	0.35	24.89	19.99
85	0.39	24.90	19.99

STATION #9

DATE 23 May, 1974

TIME 11:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.15	20.82	16.31
1	7.09	20.89	16.37
2	7.12	20.90	16.37
3	7.08	20.89	16.37
5	7.10	20.94	16.41
10	3.62	22.13	17.64
15	2.11	23.99	19.20
20	1.50	24.68	19.78
25	1.20	24.87	19.94
30	1.34	25.16	20.17
35	0.88	25.24	20.25
37	0.88	25.29	20.29

STATION #10

DATE 23 May, 1974

TIME 10:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.02	20.41	16.00
1	7.05	20.40	15.99
2	6.95	20.37	15.97
3	6.83	20.40	16.01
5	6.13	20.81	16.40
10	3.29	22.30	17.79
15	2.23	23.50	18.80
20	1.38	24.42	19.58
25	0.84	24.87	19.96
30	0.66	24.92	20.00
35	0.52	25.03	20.10
40	0.57	25.26	20.28
45	0.67	25.20	20.23
50	0.71	25.20	20.22
55	0.43	25.34	20.35
60	0.18	25.42	20.42
65	0.00	25.47	20.46
70	0.00	25.68	20.63
75	0.00	25.66	20.61
80	0.00	25.72	20.66
85	0.00	25.60	20.57
90	0.00	25.71	20.65
95	0.00	25.73	20.67
100	0.00	25.74	20.68
105	0.00	25.74	20.68

STATION #11

DATE 23 May, 1974

TIME 10:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.07	20.80	16.40
1	5.78	20.87	16.48
2	5.62	21.01	16.60
3	5.48	21.00	16.61
5	5.33	21.12	16.71
10	5.40	21.09	16.68
15	4.54	21.50	17.08
20	1.51	24.07	19.29

STATION #12

DATE 23 May, 1974

TIME 06:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.91	20.78	16.40
1	5.89	20.85	16.45
2	5.82	20.79	16.41
3	5.77	20.81	16.43
5	5.58	20.83	16.46
10	4.38	20.96	16.66
15	4.16	21.11	16.80

STATION #13

DATE 23 May, 1974

TIME 12:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.58	20.18	15.76
1	7.19	20.36	15.94
2	7.15	20.43	16.00
3	7.03	20.43	16.01
5	5.65	20.27	16.02
10	3.60	22.19	17.69
15	3.15	24.60	19.63
17	2.96	24.68	19.70

STATION #14

DATE 23 May, 1974

TIME 12:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.22	18.40	14.30
1	7.62	19.67	15.36
2	7.43	20.02	15.65
3	6.75	20.67	16.23
5	4.70	21.63	17.17
10	3.66	22.19	17.68
15	3.00	24.42	19.49
16	2.60	24.52	19.60

STATION #15

DATE 23 May, 1974

TIME 12:40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.37	14.67	11.38
1	7.45	18.69	14.61
2	6.83	19.72	15.48
3	5.76	20.63	16.29
5	4.58	21.49	17.07
10	3.19	22.32	17.81
11	3.02	22.53	17.99

STATION #16

DATE 23 May, 1974

TIME 13:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.09	14.29	11.11
1	8.16	16.24	12.62
2	8.02	16.57	12.89
3	7.97	16.76	13.05
5	4.75	21.20	16.82
9	3.15	22.16	17.69

STATION #17

DATE 23 May, 1974

TIME 13:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	9.07	16.40	12.64
1	9.04	16.42	12.66
2	8.89	16.49	12.74
3	5.66	19.74	15.60
5	3.86	20.81	16.58
10	2.76	21.96	17.55
15	1.47	22.58	18.10
20	1.10	22.75	18.25
25	1.00	22.98	18.44

STATION #18

DATE 23 May, 1974

TIME 14:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	9.08	16.04	12.36
1	8.95	16.00	12.35
2	8.92	16.00	12.35
3	8.81	16.37	12.65
5	5.09	19.95	15.81
10	3.10	21.79	17.40
15	2.68	22.25	17.79
20	2.85	22.58	18.04
25	3.00	23.30	18.60
30	2.92	23.32	18.62
35	2.87	23.43	18.71
36	2.80	23.47	18.75

STATION #19

DATE 23 May, 1974

TIME 08:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.81	20.98	16.56
1	5.88	20.97	16.55
2	5.90	20.97	16.55
3	5.83	20.94	16.53
5	5.85	20.89	16.49
10	5.11	20.97	16.61
15	3.61	21.00	16.74
20	3.52	21.00	16.75

STATION #20 DATE 23 May, 1974 TIME 09:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.81	20.83	16.44
1	5.84	20.89	16.49
2	5.83	20.92	16.51
3	5.78	20.92	16.52
5	5.62	20.92	16.53
10	4.80	20.93	16.61
15	4.50	20.93	16.63
20	2.98	20.90	16.70
25	2.41	20.92	16.74
30	2.05	20.98	16.80
35	1.97	21.03	16.85
40	1.70	21.06	16.88
45	0.72	21.17	17.00
50	0.68	20.73	16.64

STATION #21 DATE 23 May, 1974 TIME 07:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.28	20.87	16.52
1	5.20	20.87	16.53
2	5.19	20.82	16.49
3	5.22	20.89	16.54
5	5.05	20.86	16.53
10	4.62	20.91	16.60
15	3.32	21.03	16.78
20	2.88	21.08	16.85
25	2.90	21.32	17.04
30	2.82	21.32	17.04

STATION #22

DATE 23 May, 1974

TIME 08:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.50	20.82	16.46
1	5.48	20.81	16.46
2	5.50	20.81	16.46
3	5.50	20.82	16.46
5	5.50	20.82	16.46
10	4.80	20.86	16.55
15	3.30	20.87	16.66
20	2.54	20.93	16.74
25	1.77	21.02	16.85
30	2.02	21.22	16.98
35	2.06	21.34	17.09
39	1.68	21.58	17.30

STATION #21

DATE 06 June, 1974

TIME 07:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.73	20.75	16.29
1	6.73	20.75	16.29
2	6.73	20.75	16.29
3	6.73	20.75	16.29
5	6.73	20.75	16.29
7	6.55	20.75	16.31
10	4.80	20.80	16.50
15	4.20	20.85	16.59

STATION #21

DATE 06 June, 1974

TIME 10:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.90	20.90	16.49
1	5.90	20.90	16.49
2	5.90	20.90	16.49
3	5.90	20.90	16.49
5	5.90	20.90	16.49
7	5.85	20.90	16.50
10	5.75	20.90	16.50
15	4.15	21.00	16.71
20	4.25	21.75	17.29

STATION #22

DATE 06 June, 1974

TIME 09:35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.10	20.87	16.45
1	6.10	20.87	16.45
2	6.10	20.87	16.45
3	6.10	20.87	16.45
5	6.10	20.87	16.45
7	6.10	20.87	16.45
10	6.10	20.87	16.45
15	5.50	20.87	16.50
20	4.30	20.97	16.67
25	3.62	21.00	16.74
30	3.43	21.07	16.81
40	1.98	21.45	17.18
50	0.20	21.60	17.35

STATION #38

DATE 06 June, 1974

TIME 08:52 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.00	20.84	16.43
1	6.00	20.84	16.43
2	6.00	20.84	16.43
3	6.00	20.84	16.43
5	6.00	20.84	16.43
7	6.00	20.84	16.43
10	6.00	20.84	16.43
15	6.00	20.84	16.43
20	6.00	20.84	16.43
23	6.00	20.84	16.43

STATION #39

DATE 06 June, 1974

TIME 08:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.30	20.80	16.38
1	6.30	20.81	16.38
2	6.30	20.82	16.39
3	6.30	20.83	16.40
5	6.30	20.83	16.40
7	6.30	20.84	16.41
10	6.30	20.84	16.41
15	6.24	20.86	16.43
20	5.85	20.92	16.51
25	3.42	21.05	16.79
30	2.95	21.14	16.89
40	1.82	21.42	17.16
50	0.20	21.62	17.36

STATION #40

DATE 06 June, 1974

TIME 07:50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.00	20.75	16.27
1	7.00	20.75	16.27
2	7.00	20.75	16.27
3	7.00	20.75	16.27
5	7.00	20.75	16.27
7	7.00	20.75	16.27
10	6.70	20.75	16.30
15	4.60	20.80	16.52
20	4.10	20.90	16.63

STATION #41

DATE 06 June, 1974

TIME 07:12 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.80	20.70	16.14
1	7.80	20.72	16.16
2	7.80	20.73	16.16
3	7.80	20.74	16.17
5	7.60	20.80	16.24
7	5.40	20.80	16.46

STATION #42

DATE 06 June, 1974

TIME 09:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.47	20.90	16.44
1	6.47	20.90	16.44
2	6.47	20.90	16.44
3	6.47	20.90	16.44
5	6.47	20.90	16.44
7	6.47	20.90	16.44
10	6.47	20.90	16.44
15	6.47	20.90	16.44
20	5.20	20.90	16.55
25	4.28	20.90	16.62
30	3.90	20.90	16.65
34	3.10	20.95	16.73

STATION #45

DATE 06 June, 1974

TIME 06:37 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.35	20.80	16.27
1	7.35	20.80	16.27
2	7.35	20.80	16.27
3	7.35	20.80	16.27
5	7.35	20.80	16.27
7	7.30	20.82	16.29
10	6.75	20.82	16.35

STATION #45

DATE 06 June, 1974

TIME 10:29 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.20	20.85	16.32
1	7.20	20.85	16.32
2	7.20	20.85	16.32
3	7.20	20.85	16.32
5	7.20	20.85	16.32
7	7.20	20.85	16.32
9	7.20	20.85	16.32

STATION #46

DATE 06 June, 1974

TIME 06:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.90	20.72	16.15
1	7.85	20.74	16.17
2	7.85	20.75	16.17
3	7.85	20.75	16.17
5	7.85	20.78	16.20
7	7.78	20.79	16.21
10	7.40	20.81	16.27
15	6.00	21.80	17.19
20	4.18	22.62	17.99
25	3.38	23.08	18.41
30	2.98	23.37	18.66
40	2.32	23.62	18.90
50	2.05	23.72	18.99

STATION #46

DATE 06 June, 1974

TIME 10:55 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.20	20.80	16.28
1	7.20	20.82	16.30
2	7.20	20.83	16.31
3	7.20	20.85	16.32
5	7.15	20.87	16.35
7	6.95	20.90	16.39
10	6.00	21.35	16.84
15	5.70	21.85	17.26
20	4.40	22.82	18.13
25	3.92	23.00	18.31
30	3.60	23.30	18.57
40	2.35	23.55	18.84
50	2.05	23.63	18.92

STATION #9

DATE 07 June, 1974

TIME 09:07 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.08	20.66	16.08
1	7.99	20.74	16.15
2	7.81	20.93	16.32
3	7.52	21.20	16.56
5	7.32	21.35	16.70
7	7.23	21.43	16.77
10	6.69	21.71	17.05
15	3.65	23.15	18.44
20	3.54	24.05	19.16
25	3.02	24.26	19.36
30	3.00	24.54	19.59
40	2.10	24.70	19.77
0	7.90	20.74	16.16

STATION #9

DATE 07 June, 1974

TIME 16:16 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.40	20.81	16.16
1	8.38	20.82	16.17
2	8.30	20.76	16.13
3	8.30	20.83	16.18
5	7.75	21.18	16.52
7	7.06	21.49	16.84
10	6.31	21.83	17.18
15	4.03	23.16	18.42
20	3.73	23.79	18.94
25	3.20	24.19	19.30
30	2.36	24.50	19.59
40	1.52	24.97	20.01
50	1.30	25.08	20.11
0	8.17	20.92	16.27

STATION #10

DATE 07 June, 1974

TIME 09:58 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.85	20.96	16.34
1	7.83	20.92	16.31
2	7.67	21.05	16.43
3	7.41	21.17	16.55
5	7.39	21.44	16.76
7	6.92	21.49	16.85
10	6.31	21.72	17.10
15	4.05	22.74	18.09
20	2.77	23.73	18.96
25	1.96	24.50	19.61
30	1.49	24.71	19.80
40	1.48	24.85	19.92
50	1.32	24.91	19.97
0	7.64	21.04	16.42

STATION #10

DATE 07 June, 1974

TIME 15:56 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.33	20.97	16.29
1	8.33	20.98	16.30
2	8.26	21.04	16.35
3	8.23	20.99	16.32
5	7.33	21.41	16.75
7	5.89	22.02	17.37
10	4.38	22.90	18.19
15	2.93	23.70	18.93
20	2.62	24.17	19.32
25	2.28	24.34	19.47
30	2.04	24.54	19.64
40	1.70	24.80	19.87
50	1.37	24.89	19.95
0	7.93	21.15	16.48

STATION #11

DATE 07 June, 1974

TIME 10:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.40	21.50	16.92
1	6.40	21.50	16.92
3	6.40	21.55	16.95
5	6.20	21.70	17.09
10	4.55	22.55	17.90
15	3.95	22.85	18.19
20	3.65	23.20	18.48

STATION #11

DATE 07 June, 1974

TIME 10:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.60	21.50	16.90
1	6.60	21.50	16.90
3	6.60	21.50	16.90
5	6.50	21.50	16.91
10	6.35	21.60	17.00
15	4.95	22.30	17.68
20	4.45	22.65	18.00

STATION #11

DATE 07 June, 1974

TIME 11:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.95	21.45	16.82
1	6.90	21.45	16.83
3	6.90	21.45	16.83
5	6.80	21.45	16.84
10	6.75	21.50	16.88
15	6.00	21.90	17.27
20	4.25	22.80	18.12

STATION #11

DATE 07 June, 1974

TIME 11:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.10	21.40	16.77
1	7.10	21.40	16.77
3	7.10	21.40	16.77
5	7.05	21.40	16.77
10	7.00	21.45	16.82
15	6.25	21.90	17.24
20	3.50	23.35	18.61

STATION #11

DATE 07 June, 1974

TIME 13:05 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.17	21.55	16.88
1	7.15	21.54	16.87
3	7.15	21.58	16.90
5	7.11	21.56	16.89
10	6.99	21.60	16.93
15	7.01	21.58	16.92
20	3.98	23.05	18.34

STATION #11

DATE 07 June, 1974

TIME 13:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.25	21.55	16.87
1	7.25	21.55	16.87
3	7.25	21.55	16.87
5	7.20	21.55	16.87
10	7.15	21.55	16.88
15	7.02	21.60	16.93
20	4.60	23.00	18.26

STATION #11

DATE 07 June, 1974

TIME 14:07 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.50	21.40	16.75
1	7.49	21.44	16.75
3	7.42	21.44	16.76
5	7.37	21.47	16.79
10	7.20	21.46	16.80
15	7.19	21.46	16.80
20	5.80	21.92	17.30

STATION #11

DATE 07 June, 1974

TIME 14:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.50	21.40	16.72
1	7.54	21.34	16.67
3	7.41	21.42	16.75
5	7.24	21.47	16.81
10	7.24	21.38	16.73
15	7.22	21.39	16.74
20	3.72	23.14	18.43

STATION #11

DATE 07 June, 1974

TIME 15:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.50	21.30	16.64
1	7.40	21.33	16.68
3	7.39	21.37	16.71
5	7.36	21.34	16.69
10	6.54	21.74	17.09
15	3.97	22.76	18.11
20	3.24	23.50	18.75

STATION #46

DATE 07 June, 1974

TIME 11:38 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	5.80	20.90	16.50
1	5.80	20.99	16.57
2	5.78	20.99	16.57
3	5.77	21.04	16.61
5	5.65	21.14	16.70
7	5.58	21.01	16.61
10	4.80	21.32	16.91
15	5.07	21.42	16.97
20	5.21	21.91	17.35
25	4.20	22.71	18.06
30	3.51	22.97	18.31
40	2.81	23.16	18.50
50	2.37	23.30	18.64
0	5.58	21.09	16.67

STATION #54

DATE 07 June, 1974

TIME 11:05 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.24	21.48	16.81
1	7.32	21.51	16.83
2	7.24	21.43	16.77
3	7.23	21.44	16.78
5	7.16	21.53	16.86
7	6.86	21.54	16.90
10	6.58	21.75	17.09
15	3.69	23.18	18.46
17	3.38	23.40	18.66
0	7.21	21.62	16.93

STATION #55

DATE 07 June, 1974

TIME 10:51 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.94	21.58	16.92
1	6.92	21.59	16.93
2	6.93	21.53	16.88
3	6.92	21.65	16.98
5	6.80	21.61	16.96
7	6.87	21.55	16.91
10	6.76	21.61	16.97
15	6.67	21.68	17.03
20	3.58	23.33	18.59
25	2.60	23.93	19.13
30	2.20	24.32	19.46
0	6.75	21.74	17.07

STATION #55

DATE 07 June, 1974

TIME 15:35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.84	21.23	16.55
1	7.82	21.24	16.56
2	7.81	21.30	16.61
3	7.79	21.29	16.60
5	7.72	21.38	16.68
7	7.55	21.43	16.74
10	7.20	21.53	16.86
15	4.30	22.81	18.13
20	3.07	23.75	18.96
25	2.40	24.15	19.31
29	2.28	24.29	19.43
0	7.59	21.42	16.73

STATION #56

DATE 07 June, 1974

TIME 10:35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	6.35	21.44	16.87
1	6.38	21.42	16.85
2	6.35	21.49	16.91
3	6.34	21.47	16.90
5	6.30	21.51	16.93
7	6.34	21.51	16.93
10	6.15	21.66	17.06
15	4.09	22.87	18.19
20	2.28	24.05	19.24
23	1.79	24.47	19.60
0	6.34	21.53	16.94

STATION #57

DATE 07 June, 1974

TIME 09:44 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	8.30	20.60	16.00
1	8.21	20.60	16.02
2	7.81	20.85	16.26
3	7.50	21.18	16.55
5	7.14	21.43	16.78
7	7.04	21.42	16.79
10	6.64	21.60	16.97
15	3.84	23.12	18.41
20	2.85	24.11	19.26
25	2.48	24.33	19.45
30	2.15	24.47	19.58
0	7.90	20.67	16.11

STATION #58

DATE 07 June, 1974

TIME 10:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.74	21.16	16.51
1	7.71	21.24	16.57
2	7.66	21.30	16.63
3	7.43	21.42	16.74
5	7.23	21.45	16.79
7	6.59	21.46	16.86
10	5.98	21.81	17.20
15	4.74	22.40	17.77
19	2.52	23.91	19.12
0	7.55	21.34	16.67

STATION #59

DATE 07 June, 1974

TIME 09:24 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.59	21.02	16.41
1	7.63	21.03	16.42
2	7.59	21.07	16.45
3	7.48	21.13	16.51
5	7.41	21.24	16.61
7	7.17	21.55	16.87
10	5.57	21.98	17.37
15	3.66	23.18	18.47
19	2.76	23.71	18.94
0	7.37	21.09	16.49

STATION #60

DATE 07 June, 1974

TIME 09:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	7.87	21.32	16.62
1	7.80	21.34	16.64
2	7.72	21.45	16.74
3	7.62	21.51	16.79
5	7.53	21.51	16.80
7	7.53	21.55	16.84
10	5.62	22.05	17.42
15	4.56	22.68	18.01
20	4.17	23.48	18.67
25	3.59	23.89	19.03
28	2.07	24.41	19.54
0	7.40	21.64	16.92

STATION #61

DATE 07 June, 1974

TIME 14:56 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	11.10	19.32	14.64
1	10.93	19.46	14.77
2	10.79	19.54	14.85
3	10.69	10.62	14.93
5	10.64	19.42	14.78
7	10.50	19.58	14.93
10	10.00	19.45	14.89
15	9.12	19.62	15.14
20	6.79	20.64	16.20
25	5.62	21.16	16.72
30	5.30	21.34	16.89
40	5.96	21.40	16.96

STATION #9

DATE 17 June, 1974

TIME 18:57 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	10.56	22.29	17.01
1	10.58	22.30	17.02
2	10.51	22.42	17.12
3	10.51	22.58	17.25
5	10.06	22.78	17.47
7	8.70	23.01	17.83
10	6.85	23.95	18.79
15	4.47	25.64	20.35
20	3.64	26.99	21.49
25	3.32	27.34	21.79
30	3.41	27.58	21.97
40	6.20	28.17	22.17
50	5.83	28.43	22.42
0	10.44	23.38	17.88

STATION #10

DATE 17 June, 1974

TIME 18:40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	10.97	21.22	16.13
1	10.91	21.24	16.15
2	10.95	21.31	16.20
3	10.76	21.25	16.18
5	9.63	21.42	16.47
7	8.43	21.53	16.71
10	6.00	22.59	17.81
15	4.47	23.63	18.76
20	3.60	24.42	19.45
25	3.00	27.88	22.24
30	2.76	28.12	22.45
40	2.26	28.07	22.44
50	2.65	28.56	22.81
0	10.56	22.40	17.10

STATION #13

DATE 17 June, 1974

TIME 18:07 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.07	19.94	14.44
1	14.92	20.00	14.51
2	14.33	20.25	14.81
3	13.27	20.73	15.37
5	10.28	21.30	16.29
7	9.77	21.38	16.42
10	6.73	22.27	17.49
15	6.18	24.31	19.14
20	6.07	24.50	19.30
25	4.57	24.61	19.53
28	4.58	24.66	19.57
0	14.32	21.32	15.64

STATION #14 DATE 17 June, 1974 TIME 15:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.06	18.57	12.99
1	17.06	18.63	13.04
2	16.40	18.86	13.35
3	15.09	19.59	14.17
5	13.71	20.63	15.22
7	13.15	20.75	15.41
10	9.04	21.27	16.44
15	6.92	21.84	17.13
20	5.86	23.77	18.75
25	6.40	24.25	19.07
30	6.42	24.40	19.19
0	-	-	-

STATION #15 DATE 17 June, 1974 TIME 16:12 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	18.17	15.68	10.56
1	17.98	16.12	10.94
2	15.86	18.03	12.83
3	14.42	19.70	14.38
5	12.04	20.34	15.28
7	9.28	21.18	16.33
10	7.95	21.60	16.83
12	5.94	22.58	17.81
0	17.92	16.18	11.00

STATION #16 DATE 17 June, 1974 TIME 16:24 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.28	18.30	13.14
1	14.44	18.48	13.44
2	14.08	19.20	14.06
3	12.76	19.50	14.51
5	9.97	21.14	16.21
7	8.47	21.70	16.84
10	6.94	22.20	17.41
11.5	6.49	24.05	18.91
0	14.68	20.58	15.00

STATION #17

DATE 17 June, 1974

TIME 16:48 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	16.18	17.30	12.21
1	16.06	17.33	12.25
2	16.03	17.32	12.25
3	15.80	17.34	12.31
5	9.62	19.37	14.88
7	7.03	21.36	16.74
10	5.44	21.89	17.31
15	2.74	22.91	18.31
20	1.46	23.58	18.90
25	1.29	23.88	19.15
30	1.19	24.46	19.62
32	1.27	24.68	19.79
0	15.74	17.43	17.92

STATION #18

DATE 17 June, 1974

TIME 17:04 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	19.42	15.74	10.33
1	19.46	15.76	10.34
2	19.37	15.74	10.33
3	16.01	16.76	11.83
5	18.57	19.42	13.31
7	6.72	20.70	16.26
10	5.33	21.05	16.66
15	3.09	22.11	17.65
20	3.30	22.22	17.73
25	3.24	23.05	18.39
30	3.14	23.21	18.52
40	3.00	23.29	18.60
50	3.96	19.76	15.74
0	18.66	17.36	11.73

STATION #1

DATE 18 June, 1974

TIME 07:38 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	9.94	23.48	18.03
1	9.91	23.47	18.02
2	9.82	23.68	18.20
3	9.68	23.88	18.38
5	9.46	24.22	18.67
7	9.34	24.42	18.84
10	8.97	25.26	19.55
12	8.14	27.32	21.27
0	9.80	23.52	18.08

STATION #2

DATE 18 June, 1974

TIME 07:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	11.54	21.82	16.50
1	11.44	21.88	16.56
2	11.36	21.97	16.64
3	11.26	21.95	16.65
5	10.78	22.43	17.09
7	10.34	22.72	17.38
10	9.50	24.05	18.53
15	8.79	25.35	19.64
20	8.30	25.99	20.21
25	8.17	26.30	20.47
30	7.81	26.70	20.83
40	7.71	26.92	21.01
50	7.18	27.36	21.42
0	11.32	22.28	16.89

STATION #3

DATE 18 June, 1974

TIME 06:49 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	12.09	21.98	16.54
1	12.07	21.95	16.52
2	12.04	21.98	16.54
3	11.65	22.06	16.67
5	11.26	22.18	16.82
7	11.13	22.28	16.92
10	9.40	23.24	17.92
15	8.35	25.00	19.43
20	7.34	26.19	20.49
25	7.03	26.39	20.68
29.5	6.98	26.50	20.77
0	11.85	22.09	16.66

STATION #4

DATE 18 June, 1974

TIME 06:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	13.50	20.39	15.07
1	13.31	20.90	15.50
2	12.03	21.55	16.21
3	10.40	21.58	16.49
5	9.91	21.59	16.57
7	9.03	21.67	17.75
10	6.57	22.58	17.75
15	4.73	23.93	18.98
20	4.20	24.30	19.31
24	6.83	25.30	19.85
0	12.99	20.78	15.46

STATION #11

DATE 18 June, 1974

TIME 11:16 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	9.87	21.03	16.14
1	9.67	21.02	16.16
2	9.50	21.20	16.32
3	9.80	21.18	16.26
5	9.10	21.27	16.43
7	8.36	21.25	16.50
10	7.27	21.58	16.89
15	5.95	22.30	17.59
20	3.92	23.35	18.58
25	3.01	23.84	19.03
0	9.85	23.90	18.37

STATION #12

DATE 18 June, 1974

TIME 13:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	11.70	23.06	17.43
1	11.74	23.21	17.54
2	11.76	23.17	17.51
3	11.70	23.17	17.52
5	11.76	23.20	17.53
7	11.55	23.32	17.66
10	10.99	23.33	17.75
15	9.98	23.85	18.31
20	4.47	25.36	20.13
25	4.58	25.82	20.48
30	4.21	25.97	20.63
40	3.21	25.87	20.63
50	2.63	26.13	20.88
0	11.63	23.05	17.44

STATION #23

DATE 18 June, 1974

TIME 17:13 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	9.39	23.38	18.03
1	9.15	23.11	17.85
2	9.18	23.12	17.85
3	9.26	23.05	17.79
5	7.00	23.16	18.15
7	6.85	23.05	18.08
10	6.60	23.18	18.21
15	6.05	23.06	18.17
19	5.54	23.07	18.23
0	8.90	22.94	17.75

STATION #24

DATE 18 June, 1974

TIME 18:03 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	12.09	22.71	17.10
1	10.90	22.73	17.30
2	10.62	22.71	17.33
3	10.66	22.68	17.30
5	8.27	22.87	17.78
7	7.62	23.07	18.01
10	3.83	25.17	20.03
15	2.05	25.83	20.67
20	1.77	25.07	20.08
25	1.55	25.08	20.10
26	1.55	25.40	20.35
0	12.16	21.05	15.81

STATION #25

DATE 18 June, 1974

TIME 14:38 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	13.45	22.94	17.04
1	13.47	22.96	17.05
2	13.48	22.96	17.05
3	13.31	22.97	17.09
5	12.14	22.83	17.18
7	11.49	22.84	17.30
10	9.24	22.75	17.56
15	7.45	22.69	17.74
20	5.90	22.67	17.88
0	13.37	22.75	16.91

STATION #26

DATE 18 June, 1974

TIME 15:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	13.50	22.65	16.81
1	13.57	22.57	16.73
2	13.55	22.40	16.61
3	13.45	22.40	16.62
5	13.43	22.33	16.57
7	12.96	22.31	16.64
10	10.43	22.51	17.20
15	6.30	22.45	17.67
20	5.30	22.38	17.71
25	4.01	22.46	17.87
30	2.50	22.53	18.02
0	13.62	22.04	16.32

STATION #27

DATE 18 June, 1974

TIME 14:12 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	11.88	23.15	17.47
1	11.90	23.17	17.48
2	11.87	23.17	17.49
3	11.83	23.20	17.52
5	11.74	23.21	17.54
7	10.91	23.15	17.63
10	8.82	22.94	17.76
15	7.58	22.99	17.96
20	5.93	23.07	18.19
25	4.18	23.25	18.49
30	2.13	23.41	18.74
31.5	1.92	23.48	18.80
0	11.80	23.14	17.48

STATION #5

DATE 19 June, 1974

TIME 13:59 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	13.89	23.17	17.13
1	13.85	23.40	17.32
2	13.85	23.45	17.36
3	13.87	23.47	17.37
5	13.77	23.52	17.42
7	13.68	23.79	17.65
10	12.02	26.02	19.66
0	13.98	23.25	17.18

STATION #6

DATE 19 June, 1974

TIME 13:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	13.60	24.10	17.90
1	13.49	24.02	17.86
2	13.26	23.09	17.19
3	13.28	23.48	17.48
5	13.20	23.32	17.38
7	13.16	23.42	17.46
10	11.31	23.27	17.66
11	6.74	25.02	19.64
0	13.25	23.30	17.35

STATION #7

DATE 19 June, 1974

TIME 13:03 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	13.27	23.62	17.96
1	13.30	24.10	17.96
2	13.27	23.42	17.44
3	12.90	23.14	17.29
5	12.63	22.95	17.19
7	11.93	23.10	17.42
10	7.66	23.76	18.55
15	3.70	25.30	20.14
20	2.23	25.87	20.69
25	1.64	26.32	21.08
30	1.68	26.30	21.06
40	1.07	26.45	21.21
50	0.82	26.70	21.42
0	12.90	23.27	17.39

STATION #8

DATE 19 June, 1974

TIME 12:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	12.08	22.57	16.99
1	12.10	23.25	17.51
2	12.02	23.07	17.39
3	12.06	22.95	17.29
5	12.09	22.93	17.27
7	12.01	23.03	17.36
10	10.83	23.05	17.56
15	4.82	25.07	19.87
20	3.38	26.30	20.96
25	3.00	26.52	21.16
30	2.86	26.78	21.38
40	2.20	26.73	21.38
50	1.65	27.12	21.72
0	12.05	22.82	17.19

STATION #19

DATE 19 June, 1974

TIME 10:15 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	10.82	22.84	17.40
1	10.79	22.84	17.41
2	10.54	22.84	17.44
3	10.00	22.92	17.58
5	7.90	22.91	17.85
7	7.58	22.50	17.57
10	7.41	21.68	16.95
15	6.97	21.96	17.22
20	5.75	21.93	17.31
25	2.92	22.24	17.77
30	2.75	22.38	17.89
40	2.43	22.20	17.76
50	2.08	22.20	17.78
0	10.52	22.16	16.92

STATION #20

DATE 19 June, 1974

TIME 10:38 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	11.49	23.00	17.42
1	11.47	23.09	17.49
2	11.51	22.95	17.38
3	11.45	23.05	17.46
5	11.04	22.62	17.20
7	9.78	21.96	16.87
10	7.38	21.75	17.01
15	6.24	22.08	17.39
20	5.38	22.06	17.45
25	4.81	21.78	17.28
30	4.46	22.22	17.65
40	3.74	22.03	17.55
50	2.10	21.78	17.44
0	11.44	22.05	16.69

STATION #21

DATE 19 June, 1974

TIME 09:57 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	10.80	23.24	17.71
1	10.82	23.36	17.80
2	10.83	23.35	17.79
3	10.89	23.30	17.75
5	10.83	23.15	17.64
7	10.83	23.25	17.72
10	10.82	23.18	17.66
15	9.20	23.38	18.05
20	4.52	22.21	20.01
22	3.13	25.73	20.52
0	10.79	23.20	17.68

STATION #22

DATE 19 June, 1974

TIME 09:44 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	10.91	23.21	17.67
1	10.91	23.09	17.58
2	10.92	22.98	17.49
3	10.92	23.04	17.54
5	10.85	22.93	17.47
7	10.65	22.82	17.41
10	7.09	22.30	17.47
15	5.65	21.85	17.26
20	4.35	22.03	17.51
25	4.28	22.18	17.63
30	2.93	22.27	17.79
40	2.76	22.54	18.01
50	2.11	22.79	18.24
0	10.76	21.94	16.71

STATION #1

DATE 15 July, 1974

TIME 17:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	14.98	23.89	17.48
1	14.72	23.88	17.52
2	14.69	23.89	17.53
3	14.69	23.94	17.57
5	14.59	24.37	17.92
7	14.40	24.62	18.15
10	13.68	26.43	19.68
15	12.71	28.84	21.71
15.5	12.00	29.04	22.00

STATION #2

DATE 15 July, 1974

TIME 16.40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.61	21.82	15.77
1	15.60	21.80	15.75
2	15.60	21.81	15.76
3	15.60	21.81	15.76
5	15.40	22.00	15.95
7	15.20	22.32	16.23
10	14.80	22.85	16.71
15	13.76	25.18	18.70
20	13.09	26.38	19.75
25	12.93	26.61	19.95
30	12.74	26.79	20.13
40	12.38	27.37	20.64
50	12.24	27.50	20.76
60	12.00	27.58	20.87
70	11.67	27.79	21.09
80	11.57	27.81	21.12
81	11.57	27.83	21.14

STATION #3

DATE 15 July, 1974

TIME 15:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	16.10	19.39	13.81
1	16.09	19.39	13.82
2	16.04	19.42	13.85
3	15.92	19.59	14.00
5	15.32	21.18	15.34
7	15.01	21.80	15.87
10	14.53	22.50	16.50
15	13.38	25.66	19.14
20	12.74	26.44	19.86
25	12.61	26.59	20.00
28.5	12.54	26.60	20.02

STATION #4

DATE 15 July, 1974

TIME 15:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.25	19.23	13.46
1	17.25	19.23	13.46
2	17.21	19.25	13.48
3	17.16	19.26	13.50
5	15.40	20.36	14.69
7	14.21	21.30	15.64
10	13.01	22.43	16.72
15	12.78	25.64	19.23
20	12.48	25.98	19.55
25	10.84	25.82	19.70
30	8.64	25.51	19.79
40	8.62	25.85	20.05
50	8.81	26.21	20.31
60	8.12	26.04	20.27
70	7.16	26.04	20.39
80	4.40	26.05	20.68
85	2.60	25.98	20.76

STATION #6

DATE 15 July, 1974

TIME 11:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.0	21.20	15.01
1	17.0	21.20	15.01
2	17.0	21.20	15.01
3	17.0	21.20	15.01
5	16.99	21.20	15.01
7	16.92	21.20	15.02
10	16.82	21.22	15.06
15	11.61	22.64	17.12
15.5	9.10	23.98	18.53

STATION #7

DATE 15 July, 1974

TIME 10:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	16.00	21.22	15.23
1	16.00	21.24	15.25
2	15.99	21.24	15.25
3	16.00	21.30	15.29
5	15.84	21.26	15.29
7	15.80	21.28	15.32
10	15.50	21.61	15.63
15	6.79	23.20	18.21
20	2.14	24.03	19.23
25	1.62	24.69	19.78
30	1.61	24.69	19.78
40	1.86	25.03	20.04
50	0.81	25.01	20.07
60	0.62	25.18	20.21
70	0.42	25.26	20.28
80	0.07	25.20	20.24
88	0.02	25.21	20.25

STATION #8

DATE 15 July, 1974

TIME 09:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.05	20.90	15.17
1	15.05	20.95	15.21
2	15.10	20.97	15.22
3	15.10	20.97	15.22
5	15.08	21.00	15.25
7	15.09	21.19	15.39
10	14.40	22.08	16.20
15	6.59	24.22	19.03
20	4.87	24.78	19.64
25	4.63	24.86	19.72
30	4.80	25.09	19.89
40	5.02	25.27	20.01
50	2.98	25.13	20.06
60	1.70	25.21	20.19
70	0.98	25.12	20.15
80	0.43	25.19	20.22
83	0.40	25.18	20.22

STATION #8

DATE 15 July, 1974

TIME 14:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.60	20.63	15.60
1	15.60	20.63	15.60
2	15.60	20.63	15.60
3	15.58	20.63	15.58
5	15.49	20.80	15.49
7	15.39	21.21	15.39
10	10.42	21.80	10.42
15	5.81	24.11	5.81
20	4.43	24.61	4.43
25	4.64	24.98	4.64
30	5.21	25.18	5.21
40	4.75	25.21	4.75
50	2.93	25.04	2.93
60	1.96	25.22	1.96
61.5	0.43	25.20	0.43

STATION #14

DATE 16 July, 1974

TIME 18:50 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.39	19.81	13.87
1	17.30	19.97	14.01
2	17.00	20.40	14.40
3	16.39	20.80	14.83
5	14.43	21.55	15.79
7	13.59	22.21	16.45
10	11.44	23.42	17.75
15	9.97	25.20	19.36
16	9.80	25.18	19.37

STATION #15

DATE 16 July, 1974

TIME 18:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.57	18.02	12.47
1	17.28	18.12	12.60
2	17.06	18.20	12.71
3	15.22	18.62	13.40
5	13.82	21.29	15.70
7	13.00	22.06	16.44
10	10.90	22.39	17.04
11	10.27	22.61	17.30

STATION #16

DATE 16 July, 1974

TIME 14:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	16.39	19.38	13.75
1	16.24	19.61	13.95
2	14.92	20.64	15.00
3	14.74	21.18	15.45
5	14.10	21.47	15.79
7	12.96	21.80	16.25
10	9.65	22.99	17.69
11	9.04	23.00	17.78

STATION #17

DATE 16 July, 1974

TIME 15:45 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.17	17.27	11.98
1	16.77	17.27	12.06
2	16.38	17.32	12.18
3	15.57	18.23	13.03
5	11.80	20.48	15.43
7	10.58	21.45	16.36
10	8.40	22.10	17.16
15	3.80	22.37	17.82
20	1.39	22.72	18.22
25	0.94	22.84	18.33
30	0.89	22.88	18.36
35	0.85	22.87	18.35

STATION #18

DATE 16 July, 1974

TIME 16:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	17.81	16.41	11.19
1	17.60	16.67	11.44
2	12.57	17.97	13.37
3	11.53	20.21	15.26
5	8.60	21.03	16.30
7	8.44	21.39	16.60
10	6.68	21.61	16.97
15	2.80	22.31	17.83
20	2.75	22.80	18.22
25	2.77	23.29	18.61
30	2.78	23.39	18.69
40	2.78	23.43	18.72
43	2.78	23.42	18.71

STATION #12

DATE 17 July, 1974

TIME 09:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.62	20.49	14.75
1	15.59	20.50	14.76
2	15.58	20.52	14.78
3	15.58	20.51	14.77
5	15.54	20.57	14.83
7	15.20	20.59	14.91
10	14.60	20.60	15.03
15	12.23	22.18	16.67
20	7.64	23.71	18.51
25	6.19	23.79	18.73
30	6.14	24.17	19.04
40	7.38	24.40	19.08
50	8.16	24.48	19.05
60	8.60	24.72	19.18
66	8.61	24.73	19.18

STATION #19

DATE 17 July, 1974

TIME 11:30 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.60	20.44	14.72
1	15.39	20.45	14.76
2	15.30	20.50	14.82
3	15.18	20.48	14.83
5	15.02	20.53	14.90
7	14.79	20.72	15.09
10	11.79	20.78	15.66
15	9.23	20.80	16.04
20	7.00	21.00	16.46
24.5	6.40	21.03	16.55

STATION #20

DATE 17 July, 1974

TIME 12:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.97	20.21	14.47
1	15.39	20.22	14.59
2	15.25	20.23	14.62
3	15.20	20.27	14.66
5	15.06	20.59	14.94
7	12.78	20.61	15.36
10	9.96	20.63	15.81
15	7.42	20.98	16.40
20	5.68	20.80	16.43
25	5.40	20.98	16.60
30	5.08	20.99	16.63
40	5.47	21.21	16.77
42	5.46	21.20	16.77

STATION #21

DATE 17 July, 1974

TIME 10:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.20	20.57	14.89
1	15.19	20.52	14.86
2	15.20	20.50	14.84
3	15.22	20.52	14.85
5	15.20	20.55	14.88
7	15.04	20.58	14.93
10	11.19	20.34	15.41
15	10.61	22.93	17.50
16	10.60	23.00	17.56

STATION #22

DATE 17 July, 1974

TIME 14:55 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	16.04	20.52	14.69
1	15.96	20.53	14.71
2	15.92	20.57	14.75
3	15.79	20.60	14.80
5	14.22	20.63	15.13
7	10.97	20.66	15.69
10	8.59	20.77	16.10
15	7.18	20.87	16.34
20	6.57	21.40	16.82
25	5.39	21.24	16.80
30	5.82	21.67	17.10
40	2.63	21.71	17.36
50	2.40	21.78	17.43
60	2.37	21.78	17.43
70	4.41	22.08	17.54
80	5.41	22.27	17.61

STATION #23

DATE 17 July, 1974

TIME 14:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.92	20.48	14.68
1	15.60	20.43	14.71
2	15.42	20.42	14.74
3	15.38	20.39	14.72
5	15.36	20.44	14.76
7	15.27	20.50	14.83
10	11.65	20.59	15.53
15	7.63	20.63	16.11
20	5.40	21.00	16.61
25	4.04	21.21	16.88
30	3.99	21.38	17.02
40	3.19	21.44	17.12
41	3.16	21.45	17.13

STATION #30/32

DATE 17 July, 1974

TIME 12:35 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C.</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	15.86	20.23	14.50
1	15.63	20.25	14.56
2	15.50	20.31	14.64
3	15.32	20.34	14.69
5	13.76	20.28	14.94
7	11.49	20.15	15.22
10	9.20	20.40	15.74
15	6.85	20.50	16.09
20	5.60	20.62	16.30
25	4.82	20.73	16.45
30	4.66	20.83	16.54
40	4.23	20.84	16.58
50	4.20	20.87	16.60
53.5	4.21	20.88	16.61

STATION #25

DATE 18 July, 1974

TIME 14:20 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C.</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	17.30	20.39	14.33
1	17.29	20.40	14.34
2	17.28	20.39	14.33
3	17.30	20.40	14.33
5	17.28	20.42	14.35
7	17.24	20.40	14.35
9	16.39	20.20	14.37

STATION #26

DATE 18 July, 1974

TIME 13:20 A.D.T.

<u>DEPTH</u> <u>METERS</u>	<u>TEMP.</u> <u>DEG. C.</u>	<u>SALINITY</u> <u>0/00</u>	<u>SIGMA-T</u>
0	17.64	20.29	14.18
1	17.65	20.36	14.23
2	17.66	20.33	14.20
3	17.68	20.30	14.18
5	17.51	20.29	14.20
7	17.10	20.36	14.35
10	13.28	20.76	15.39
15	7.66	20.49	15.99
20	5.79	20.79	16.41
25	5.01	20.87	16.54
30	3.99	20.84	16.59
40	1.63	21.03	16.86
50	-0.08	21.37	17.17
54.5	-0.19	21.39	17.18

STATION #27

DATE 18 July, 1974

TIME 15:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15.99	20.48	14.67
1	16.00	20.48	14.67
2	16.00	20.49	14.67
3	16.00	20.49	14.67
5	15.98	20.49	14.68
7	15.90	20.50	14.70
10	15.54	20.61	14.86
15	8.50	20.72	16.07
20	5.24	20.95	16.59
25	3.20	21.18	16.91
30	2.10	21.23	17.00
33.5	1.83	21.27	17.04
40	1.15	21.50	17.25

STATION #9

DATE 19 July, 1974

TIME 09:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	14.79	21.63	15.78
1	14.79	21.63	15.78
2	14.74	21.63	15.79
3	14.78	21.65	15.80
5	14.75	21.67	15.82
7	14.59	21.82	15.97
10	12.70	24.00	17.99
15	8.28	26.00	20.22
20	6.50	24.90	19.57
25	7.43	25.27	19.76
30	6.59	25.43	19.98
40	6.03	25.44	20.05
50	6.78	25.79	20.24
60	7.20	25.81	20.20
64	7.30	25.99	20.33

STATION #10

DATE 19 July, 1974

TIME 10:25 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	14.16	22.01	16.19
1	14.07	22.01	16.21
2	14.07	22.00	16.20
3	14.06	22.00	16.20
5	13.79	22.02	16.27
7	13.40	22.38	16.62
10	11.82	23.24	17.55
15	10.79	24.86	18.97
20	8.70	25.08	19.44
25	6.80	25.19	19.77
30	6.59	25.26	19.84
40	5.82	25.00	19.72
50	4.52	25.33	20.10
60	2.70	25.20	20.13
70	0.82	25.38	20.36
80	0.20	25.45	20.44
90	-0.02	25.50	20.48

STATION #11

DATE 19 July, 1974

TIME 11:15 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	13.01	22.95	17.12
1	13.01	22.95	17.12
2	13.01	22.77	16.99
3	12.98	22.64	16.89
5	12.36	23.35	17.54
7	11.68	24.08	18.22
10	10.28	24.39	18.68
15	8.79	24.81	19.22
20	7.40	24.97	19.52
23.5	7.23	25.18	19.71

STATION #13

DATE 19 July, 1974

TIME 09:40 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	16.19	20.40	14.57
1	16.08	20.41	14.60
2	16.02	20.50	14.68
3	15.58	20.74	14.95
5	15.24	21.59	15.67
7	14.26	22.17	16.30
10	12.44	24.39	18.33
15	11.04	25.60	19.50
20	9.30	25.39	19.60
21.75	8.98	25.36	19.62

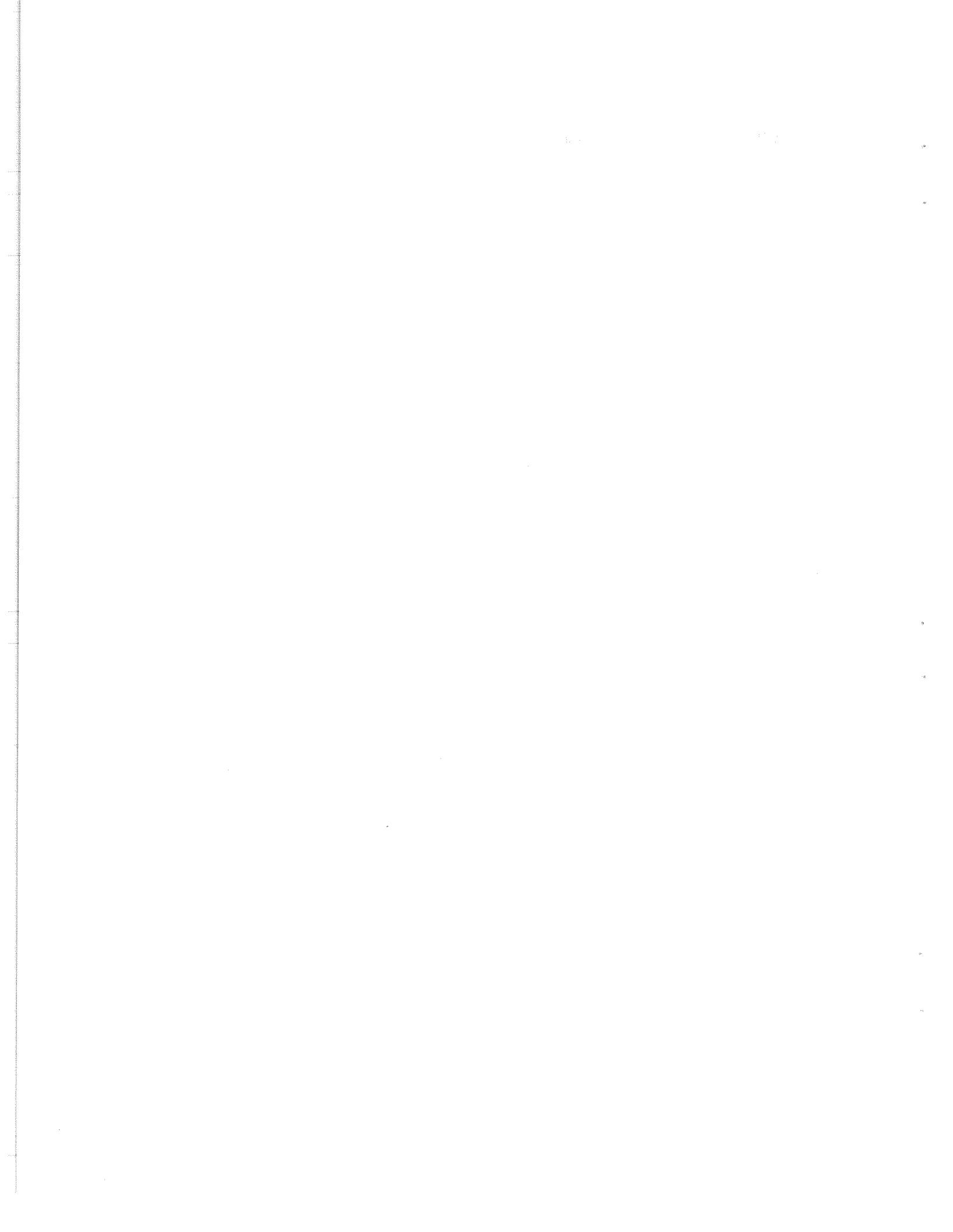


TABLE 23

BRAS D'OR 1974  
DEPTH, TEMPERATURE, SALINITY, OXYGEN

DATE	STATION																				30					
	1	2	3	4	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	25	26	27	32
July 15	X	X	X	X	X	X	X																			
July 16															X	X	X	X	X							
July 17														X						X	X	X	X	X	X	
July 18																								X	X	X
July 19							X		X	X					X											

Temperature observed using reversing thermometers.

Salinity observed using Bissett - Berman 9060.

STATION #1 DATE 15 July, 1974 TIME 17:32 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	14.74	24.2	6.51	106
15	11.60	27.3	6.71	104

STATION #2 DATE 15 July, 1974 TIME 16:48 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.58	22.1	6.44	105
15	13.78	24.9	6.51	104
30	12.66	26.7	6.44	102
50	12.45	27.5	6.37	101
80	11.70	27.8	6.17	96

STATION #3 DATE 15 July, 1974 TIME 15:56 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.82	20.7	6.42	104
15	13.14	25.5	6.41	102
30	12.62	26.6	6.21	98

STATION #4 DATE 15 July, 1974 TIME 15:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	17.40	20.6	6.31	106
15	13.00	25.7	6.46	102
30	10.28	25.5	6.55	97
60	8.59	26.0	6.77	97
90	1.55	26.0	6.85	83

STATION #6 DATE 15 July, 1974 TIME 11:35 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
1	17.31	21.2	6.10	103
5	17.18	21.2	6.09	102
15	7.65	23.4	6.02	83

STATION # 7		DATE	15 July, 1974	TIME	10:30 A.D.T.
DEPTH METERS	TEMP. DEG. C	SALINITY 0/00	OXYGEN ML/L	OXYGEN % SATURATION	
1	16.00	21.2	6.25	102	
15	9.00	22.7	7.83	112	
50	0.90	25.0	7.00	83	
150	0.35	25.2*	6.66	78	
250	0.35	25.2*	6.67	78	

STATION # 8		DATE	15 July, 1974	TIME	14:31 A.D.T.
DEPTH METERS	TEMP. DEG. C	SALINITY 0/00	OXYGEN ML/L	OXYGEN % SATURATION	
1	16.11	20.6	6.35	104	
15	6.06	24.1	7.63	102	
50	3.94	25.0	6.96	89	
100	0.38	25.0*	7.01	82	
150	0.35	25.0*	7.72	89	

STATION #14		DATE	16 July, 1974	TIME	18:52 A.D.T.
DEPTH METERS	TEMP. DEG. C	SALINITY 0/00	OXYGEN ML/L	OXYGEN % SATURATION	
5	14.50	20.8	6.66	106	
15	10.34	24.9	6.54	97	

STATION # 15		DATE	16 July, 1974	TIME	18:12 A.D.T.
DEPTH METERS	TEMP. DEG. C	SALINITY 0/00	OXYGEN ML/L	OXYGEN % SATURATION	
5	13.80	20.8	6.84	107	
10	10.40	22.1	7.59	111	

## STATION # 16

DATE 16 July, 1974

TIME 14:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
4	14.30	21.5	6.91	110
8	8.92	22.0	7.58	107

## STATION # 17

DATE 16 July, 1974

TIME 15:47 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	11.10	20.1	8.02	117
15	2.84	22.2	6.84	84
30	1.20	22.9	5.16	61

## STATION # 18

DATE 16 July, 1974

TIME 16:36 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	10.24	20.8	8.60	124
15	2.90	21.8	3.84	47
25	3.12	23.2	0	0
40	3.04	23.4	0	0

## STATION # 12

DATE 17 July, 1974

TIME 09:56 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.38	20.6	6.42	103
15	13.12	21.4	6.77	105
30	6.45	24.1	7.14	97
45	8.54	24.6	6.91	102
65	8.89	24.7	6.80	98

## STATION # 19

DATE 17 July, 1974 TIME 11:28 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.26	20.5	6.44	103
15	10.24	20.8	7.23	104
25	6.29	21.0	7.29	96

## STATION # 20

DATE 17 July, 1974 time 12:00 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.26	20.7	6.55	105
15	7.70	20.9	7.38	101
25	5.69	21.0	7.30	95
40	5.50	21.2	7.34	95

## STATION # 21

DATE 17, July, 1974 TIME 10:13 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.30	21.5	6.42	104
15	10.50	22.0	7.01	102

## STATION # 22

DATE 17, July, 1974 TIME 14:57 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	13.66	20.6	6.64	103
15	7.30	20.9	7.51	101
30	6.24	22.0	7.37	98
50	2.68	21.8	7.81	95
80	5.29	22.2	7.42	96

STATION # 23 DATE 17 July 1974 TIME 14:10 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.64	20.4	6.51	105
15	7.59	20.7	7.44	101
25	4.48	21.3	7.52	95
40	3.47	21.4	7.52	93

STATION # 30/32 DATE 17 July 1974 TIME 12:37 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	13.20	20.3	6.77	104
15	6.88	20.5	7.50	100
25	5.10	20.7	7.23	93
35	4.34	20.9	7.23	91
50	4.75	20.9	7.17	91

STATION # 25 DATE 18 July 1974 TIME 14:20 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	17.52	20.4	6.22	105
9	16.28	20.4	6.37	104

STATION # 26 DATE 18 July 1974 TIME 13:22 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
10	15.24	20.8	6.35	102
20	5.88	20.8	7.46	97
30	4.16	20.9	7.50	94
40	1.86	21.0	7.52	89
55	0.08	21.4	7.12	81

STATION # 27

DATE 18 July, 1974 TIME 15:11 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	16.19	20.5	6.38	104
15	8.30	21.1	7.56	105
25	3.60	21.4	7.67	95
40	1.45	21.4	7.89	93

STATION # 9

DATE 19 July, 1974 TIME 09:18 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	14.94	21.7	6.50	105
15	7.88	25.4	7.19	101
30	7.89	25.6	6.85	97
45	6.42	25.6	6.88	94
60	7.54	25.8	6.83	96

STATION # 10

DATE 19 July, 1974 TIME 10:27 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	14.21	22.0	6.58	104
50	4.50	25.3	7.21	94
100	0.00	25.5*	7.87	92
150	-0.15	25.5*	7.87	91
200	-0.12	25.5*	7.90	92

STATION # 11

DATE 19 July, 1974 TIME 11:13 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C.</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	13.30	23.3	6.68	105
15	8.44	24.8	7.05	100
20	7.41	24.9	7.01	97

STATION # 13 DATE 19 July, 1974 TIME 08:42 A.D.T.

<u>DEPTH METERS</u>	<u>TEMP. DEG. C</u>	<u>SALINITY 0/00</u>	<u>OXYGEN ML/L</u>	<u>OXYGEN % SATURATION</u>
5	15.74	21.2	6.38	104
15	11.96	25.9	6.38	99
20	11.20	25.7	6.44	98

- \* Estimated salinity value. If in error these values are on the low side which would make the calculated value of dissolved oxygen at saturation too high. Hence the stated per cent saturation may be low.

TABLE 24

## BRAS D'OR 1973

TIME SERIES CURRENT OBSERVATIONS

DATE	STATION			Instrument Type	
		1	Little Bras D'Or	Seal Island Bridge	
July 20				13HR STN	Bendix
August 3			5HR STN		Ott
August 4	4HR STN				Ott
August 6			8HR STN		Ott
August 7				6HR STN	Ott
August 8				3HR STN	Ott

Beckman RS5 used to observe temperature and salinity

STATION 11	DATE 20 July, 1973	TIME 07:55 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	85	020°
3	85	020
5	33	025
10	7	050
15	2	210
20	1	100
STATION 11	DATE 20 July, 1973	TIME 08:55 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	72	005°
3	57	020
5	36	040
10	18	030
15	5	100
20	2	300
STATION 11	DATE 20 July, 1973	TIME 09:55 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	62	000°
3	57	000
5	38	010
10	7	055
15	2	150
20	2	220
STATION 11	DATE 20 July, 1973	TIME 10:55 A.D.T
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	42	015°
3	11	020
5	1	050
10	8	155
15	8	270
20	1	255

STATION 11 DATE 20 July, 1973 TIME 11:55 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
1	9	295°
3	19	230
5	16	240
10	3	250
13	4	150
20	-	-

STATION 11 DATE 20 July, 1973 TIME 12:55 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
1	23	245°
3	11	210
5	16	215
10	8	225
15	27	285
20	34	285

STATION 11 DATE 20 July, 1973 TIME 13:55 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
1	27	245°
3	28	240
5	29	225
10	23	245
15	27	260
20	5	255

STATION 11 DATE 20 July, 1973 TIME 14:55 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
1	11	245°
3	13	245
5	30	225
10	27	265
15	9	260
20	16	085

STATION 11	DATE 20 July, 1973	TIME 15:55 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	9	065°
3	23	275
5	5	125
10	7	180
15	16	155
20	12	295
STATION 11	DATE 20 July, 1973	TIME 16:55 A.D.T.
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	61	355°
3	22	005
5	5	155
10	7	225
15	7	255
20	2	225
STATION 11	DATE 20 July, 1973	TIME 17:55 A.D.T
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	77	000°
3	62	355
5	34	015
10	5	265
15	6	255
20	3	120
STATION 11	DATE 20 July, 1973	TIME 18:55 A.D.T
<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>
1	82	045°
3	62	020
5	29	020
10	6	220
15	6	275
20	1	100

STATION 11

DATE 20 July, 1973

TIME 19:55 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
1	82	015 <sup>0</sup>
3	72	015
5	38	020
10	3	265
15	5	265
20	1	155

STATION 11

DATE 20 July, 1973

TIME 20:55 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
1	77	020 <sup>0</sup>
3	77	020
5	41	020
10	8	005
15	1	155
20	1	305

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 11:15 A.D.T. TIDE STAFF -

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	129	SW	22.3	20.4
1	122			
2	122			
3	108			
5	103			
7	101			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 11:45 A.D.T. TIDE STAFF 1.18 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	147	SW	22.3	20.3
1	133			
2	129			
3	128			
5	136			
7	118			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 12:15 A.D.T. TIDE STAFF 1.22 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	146	SW	22.3	20.4
1	144			
2	139			
3	141			
5	134			
7	132			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 12:45 A.D.T. TIDE STAFF 1.22 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	150	SW	22.4	20.3
1	147			
2	149			
3	148			
5	144			
7	130			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 13:15 A.D.T. TIDE STAFF -

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	132	SW	22.4	20.5
1	137			
2	122			
3	119			
5	116			
7	122			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 13:45 A.D.T. TIDE STAFF 1.20 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	127	SW	21.8	21.3
1	122			
2	122			
3	127			
5	128			
7	103			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 14:15 A.D.T. TIDE STAFF 1.21 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	104	SW	21.8	22.3
1	102			
2	101			
3	88			
5	91			
6	91			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 14:45 A.D.T. TIDE STAFF 1.16 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	97	SW	19.5	24.3
1	82			
2	82			
3	79			
5	45			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 15:15 A.D.T. TIDE STAFF 1.13 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	62	SW	19.1	25.3
1	60			
2	46			
3	43			
5	28			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 15:45 A.D.T. TIDE STAFF 1.10 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	17	NE	19.2	25.4
1	11			
2	10			
3	2			
5	14			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 16:15 A.D.T. TIDE STAFF 1.08 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	40	NE	21.9	21.3
1	38			
2	37			
3	9			
5	4			

STATION Little Bras d'Or at Bridge  
 DATE 3 August, 1973 TIME 16:45 A.D.T. TIDE STAFF 1.04 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	58	NE	22.3	20.5
1	56			
2	58			
3	54			
5	49			

STATION 1 DATE 4 August, 1973 TIME 11:00 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	60	NE	19.3	22.4	15.4
1	64		19.2	22.6	15.6
2	43		18.7	23.8	16.6
3	34		18.5	24.2	17.0
5	11		18.4	24.4	17.1
9	9		18.2	24.9	17.6

STATION 1 DATE 4 August, 1973 TIME 11:30 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	44	NE	19.5	22.6	15.5
1	21		19.3	22.5	15.5
2	15		18.9	23.3	16.2
3	9		18.8	24.0	16.7
5	8		18.3	24.4	17.1
9	15		18.2	25.0	17.6

STATION 1 DATE 4 August, 1973 TIME 12:00 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	12	NE	19.3	22.5	15.5
1	12		19.0	23.1	16.0
2	10		18.8	23.5	16.4
3	16		18.7	23.6	16.4
5	32		18.6	23.7	16.6
9	21		18.2	24.8	17.5

STATION 1 DATE 4 August, 1973 TIME 12:30 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	12	SW	19.4	22.7	15.6
1	9		19.3	22.7	15.6
2	12		18.7	23.6	16.4
3	6		18.7	23.8	16.6
5	10		18.4	24.4	17.2
9	12		17.9	25.4	18.0

STATION 1 DATE 4 August, 1973 TIME 13:00 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15	SW	19.2	22.9	15.8
1	12		18.5	23.0	16.0
2	14		18.7	23.7	16.5
3	15		18.6	23.8	16.6
5	10		18.2	24.6	17.3
9	23		18.0	25.2	17.8

STATION 1 DATE 4 August, 1973 TIME 13:30 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	22	SW	19.1	22.7	15.6
1	18		19.1	22.8	15.7
2	10		19.1	22.9	15.8
3	11		18.9	23.4	16.3
5	12		18.8	23.5	16.4
9	15		18.1	24.6	17.3

STATION 1 DATE 4 August, 1973 TIME 14:00 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	15	SW	18.9	23.2	16.1
1	14		18.8	23.3	16.2
2	9		18.8	23.3	16.2
3	10		18.8	23.3	16.2
5	18		18.6	23.8	16.6
9	19		18.1	24.7	17.4

STATION 1 DATE 4 August, 1973 TIME 14:30 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>	<u>TEMPERATURE °C</u>	<u>SALINITY 0/00</u>	<u>SIGMA-T</u>
0	22	SW	18.9	23.4	16.2
1	23		18.9	23.5	16.3
2	15		18.7	23.6	16.5
3	18		18.4	24.3	17.0
5	16		18.3	24.4	17.1
9	15		18.2	25.0	17.6

STATION 1 DATE 4 August, 1973 TIME 15:00 A.D.T.

DEPTH METERS	RATE CM/SEC	DIRECTION TRUE	TEMPERATURE °C	SALINITY 0/00	SIGMA-T
0	20	SW	19.2	25.0	17.4
1	15		18.5	25.1	17.6
2	18		18.3	25.8	18.2
3	21		18.3	26.0	18.3
5	19		18.0	26.4	18.7
9	16		17.8	27.1	19.4

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 09:30 A.D.T. TIDE STAFF 1.04 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	73	NE		
1	80			
2	79		14.4	22.7
3	80			
5	74			
8	24			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 10:00 A.D.T. TIDE STAFF 1.04 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	72	NE		
1	71			
2	70		13.2	23.0
3	69			
5	67			
8	18			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 10:30 A.D.T. TIDE STAFF 1.05 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	68	NE		
1	70			
2	67		13.7	23.0
3	66			
5	56			
8	13			

STATION Little Bras d'Or at Bridge  
 DATE 6 August 1973 TIME 11:00 A.D.T. TIDE STAFF 1.06 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	69	NE		
1	69			
2	64		13.6	22.9
3	60			
5	59			
8	9			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 11:30 A.D.T. TIDE STAFF 1.07 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	56	NE		
1	54			
2	50		13.5	22.8
3	50			
5	47			
7	31			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 12:00 A.D.T. TIDE STAFF 1.08 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	41	NE		
1	41			
2	42		13.7	22.9
3	41			
5	40			
7	28			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 13:00 A.D.T. TIDE STAFF 1.12 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	16	NE		
1	17			
2	18		14.7	22.2
3	20			
5	19			
7	5			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 13:30 A.D.T. TIDE STAFF 1.12 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	14	NE		
1	15			
2	17		14.4	22.1
3	16			
5	2			
7	2			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 14:00 A.D.T. TIDE STAFF 1.12 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	3	NE		
1	9			
2	3		14.0	22.0
3	0			
5	0			
7	0			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 14:30 A.D.T. TIDE STAFF 1.12 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	53	SW		
1	49			
2	37		13.6	22.2
3	33			
5	20			
7	16			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 15:00 A.D.T. TIDE STAFF 1.16 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	53	SW		
1	51			
2	46		13.7	22.2
3	42			
5	26			
7	32			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 15:30 A.D.T. TIDE STAFF 1.14 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	61	SW		
1	69			
2	71		13.8	22.0
3	68			
5	59			
7	53			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 16:00 A.D.T. TIDE STAFF 1.18 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	67	SW		
1	68			
2	60		13.7	22.3
3	61			
5	41			
7	55			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 16:30 A.D.T. TIDE STAFF 1.16 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	68	SW		
1	68			
2	57		13.7	22.1
3	44			
5	17			
7	40			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 17:00 A.D.T. TIDE STAFF 1.12 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	28	SW		
1	31			
2	27		13.8	22.1
3	28			
5	21			
7	19			

STATION Little Bras d'Or at Bridge  
 DATE 6 August, 1973 TIME 17:30 A.D.T. TIDE STAFF 1.10 m.

<u>DEPTH</u> <u>METERS</u>	<u>RATE</u> <u>CM/SEC</u>	<u>DIRECTION</u> <u>TRUE</u>	<u>TEMPERATURE</u> <u>°C</u>	<u>SALINITY</u> <u>0/00</u>
0	3	Variable		
1	0			
2	0		13.9	22.0
3	0			
5	0			
7	0			

STATION Seal Island Bridge DATE 7 August, 1973 TIME 11:00 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	137	NE
0.7	139	
1.4	138	
2.1	139	
3.5	137	
7.0	130	
10.6	132	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 11:30 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	138	NE
0.7	135	
1.4	134	
2.1	132	
3.5	132	
7.0	128	
10.6	124	
17.7	121	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 12:00 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	136	NE
0.7	136	
1.4	135	
2.1	133	
3.5	130	
7.0	125	
10.6	115	
17.7	116	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 12:30 A.D.T.

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	123	NE
0.8	123	
1.5	123	
2.3	123	
3.8	123	
7.7	118	
11.5	107	
19.2	109	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 13:00 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	110	NE
0.8	107	
1.6	106	
2.5	105	
4.1	102	
8.2	95	
12.3	90	
20.5	77	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 13:30 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	93	NE
0.9	91	
1.7	89	
2.6	88	
4.3	89	
8.7	81	
13.0	77	
21.7	56	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 14:00 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	82	NE
0.9	80	
1.8	78	
2.7	77	
4.5	76	
9.0	69	
13.6	63	
22.7	16	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 14:30 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	59	NE
1.0	59	
2.0	58	
2.9	60	
4.9	63	
9.8	54	
14.6	50	
23.4	18	

STATION	DATE	TIME
Seal Island Bridge	7 August, 1973	15:00 A.D.T.
DEPTH <u>METERS</u>	RATE <u>CM/SEC</u>	DIRECTION <u>TRUE</u>
0	68	NE
1.0	65	
2.0	64	
3.0	65	
4.9	62	
9.8	46	
14.8	10	
23.6	12	
STATION	DATE	TIME
Seal Island Bridge	7 August, 1973	15:30 A.D.T
DEPTH <u>METERS</u>	RATE <u>CM/SEC</u>	DIRECTION <u>TRUE</u>
0	61	NE
1	58	
2	55	
3	55	
5	54	
10	33	
15	11	
24	19	
STATION	DATE	TIME
Seal Island Bridge	7 August, 1973	16:00 A.D.T
DEPTH <u>METERS</u>	RATE <u>CM/SEC</u>	DIRECTION <u>TRUE</u>
0	51	NE
1	50	
2	49	
3	42	
5	40	
10	6	
15	31	
24	20	
STATION	DATE	TIME
Seal Island Bridge	7 August, 1973	16:30 A.D.T
DEPTH <u>METERS</u>	RATE <u>CM/SEC</u>	DIRECTION <u>TRUE</u>
0	48	NE
1	46	
2	40	
3	34	
5	30	
10	8	
15	39	
24	25	

STATION Seal Island Bridge DATE 7 August, 1973 TIME 17:00 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	40	NE
1	38	
2	35	
3	30	
5	27	
10	21	
15	45	
24	23	

STATION 11

DATE 8 August, 1973

TIME 13:30 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	83	NE
1	79	
2	78	
3	76	
5	72	
10	14	
15	0	
22	10	

STATION 11

DATE 8 August, 1973

TIME 14:00 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	81	NE
1	77	
2	75	
3	71	
5	69	
10	17	
15	2	
22	10	

STATION 11

DATE 8 August, 1973

TIME 14:30 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	64	NE
1	59	
2	56	
3	55	
5	54	
10	23	
15	6	

STATION 11

DATE 8 August, 1973

TIME 16:00 A.D.T

<u>DEPTH METERS</u>	<u>RATE CM/SEC</u>	<u>DIRECTION TRUE</u>
0	47	NE
1	47	
2	43	
3	41	
5	38	

TABLE 25

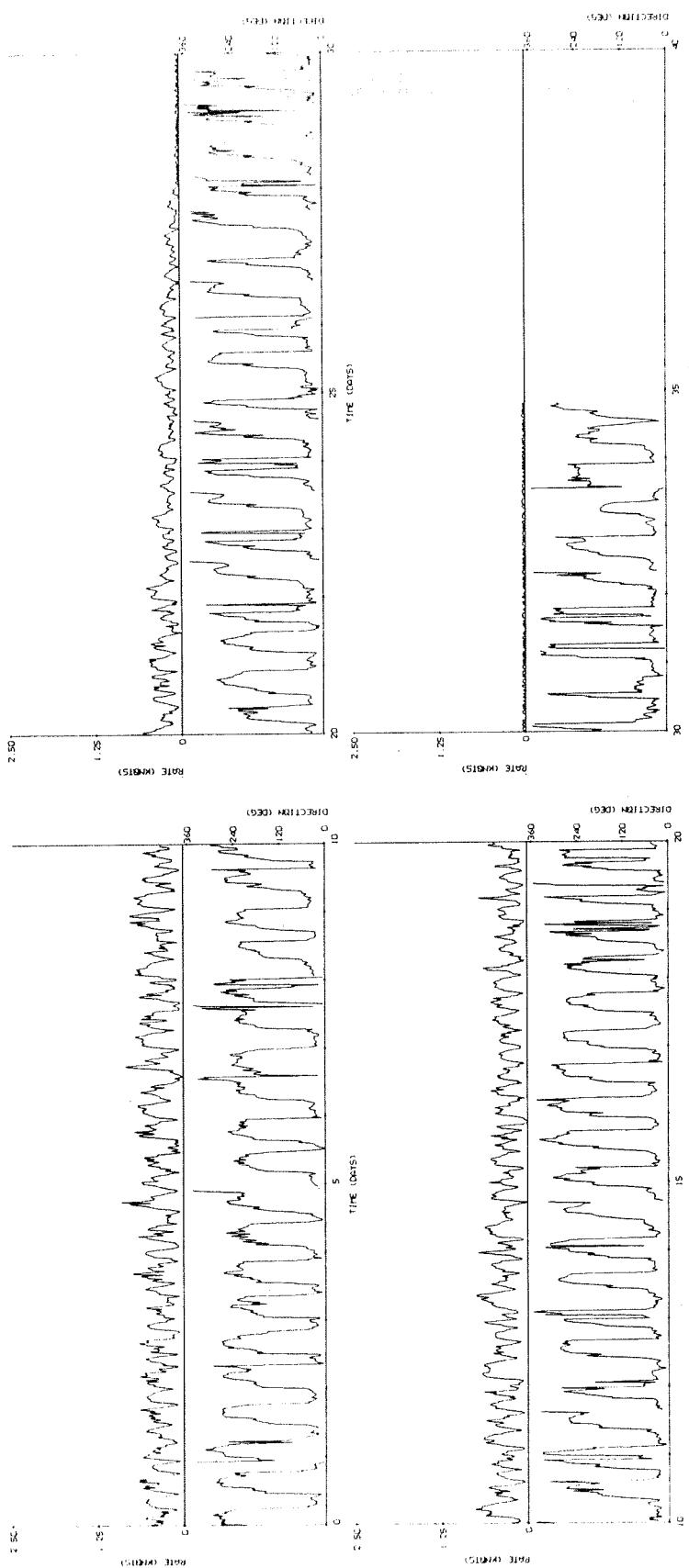
BRAS d'OR 1973

Recording Current Meters

STATION	DEPTH METERS	TYPE	RECORDING INTERVAL MINUTES	START DATE	DURATION DAYS
1	10	Braincon 381	20	05/07/73	34.8
1	20	Braincon 381	20	05/07/73	34.8
1	43	Braincon 381	20	05/07/73	34.8
2	10	Aanderaa RCM4	10	10/06/73	14.0
2	61	Aanderaa RCM4	10	10/06/73	33.0
2	122	Aanderaa RCM4	10	10/06/73	33.0
2	183	Aanderaa RCM4	10	10/06/73	32.9
2	10	Braincon 316	20	10/07/73	31.0
2	20	Braincon 316	20	10/07/73	30.5
2	123	Braincon 316	20	10/07/73	31.0
2	20	Braincon 316	20	10/08/73	63.0
3	5	Braincon 381	20	04/07/73	35.8
3	20	Braincon 381	20	04/07/73	35.5
3	100	Braincon 381	20	04/07/73	35.7
4	5	Braincon 381	20	04/07/73	40.0
4	13	Braincon 381	20	04/07/73	40.0
5	5	Braincon 381	20	10/07/73	30.0
5	22	Braincon 381	20	10/07/73	30.0
6	5	Braincon 381	20	05/07/73	38.5
6	18	Braincon 381	20	05/07/73	38.5
6	38	Braincon 381	20	05/07/73	38.5
7	5	Braincon 381	20	19/07/73	24.7
7	18	Braincon 381	20	19/07/73	24.7
7	38	Braincon 381	20	19/07/73	24.7
8	5	Braincon 381	20	07/07/73	36.8
8	18	Braincon 381	20	07/07/73	36.8
9	5	Braincon 381	20	05/07/73	36.0
9	18	Braincon 381	20	05/07/73	38.7

**FREQUENCY DISTRIBUTION OF DIRECTION AND RATE  
KNOTS**

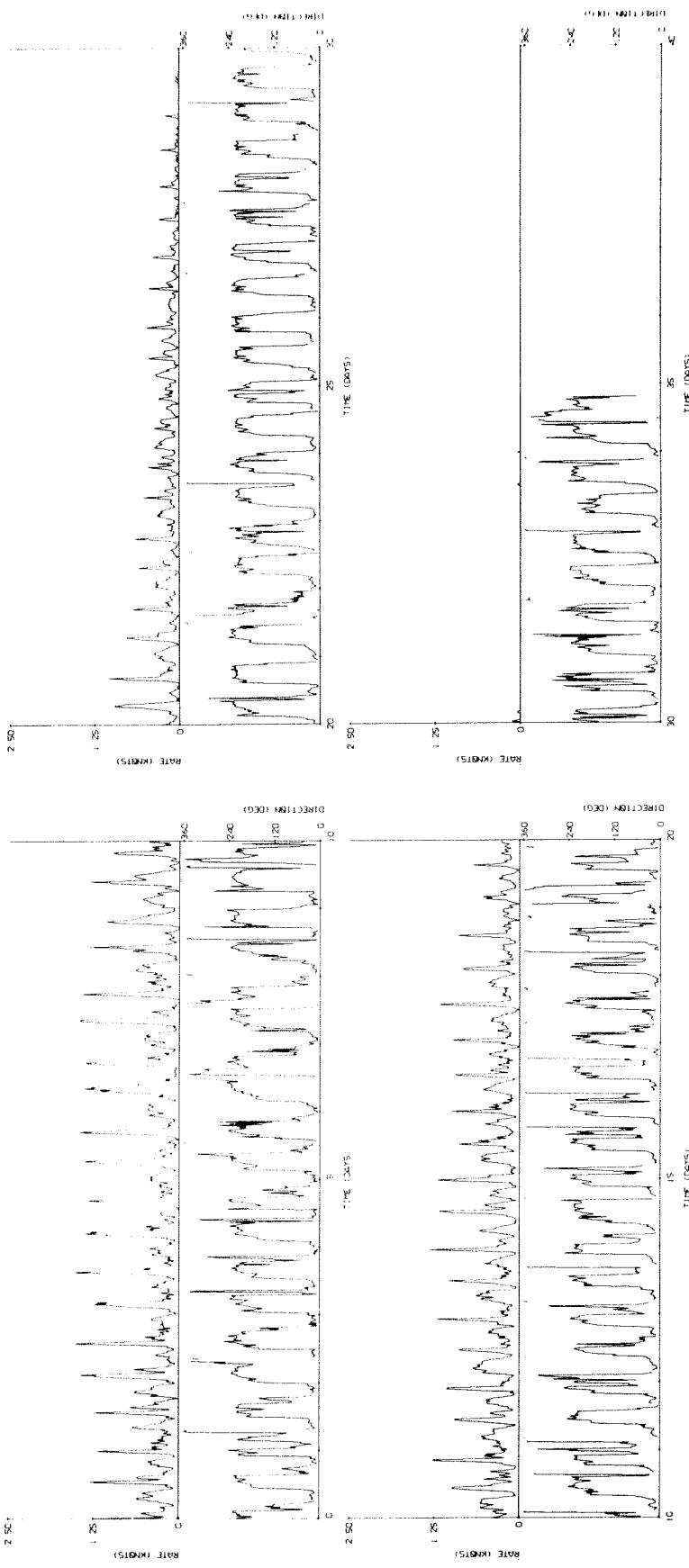
### FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS



FREQUENCY DISTRIBUTION OF DIRECTION AND RATE

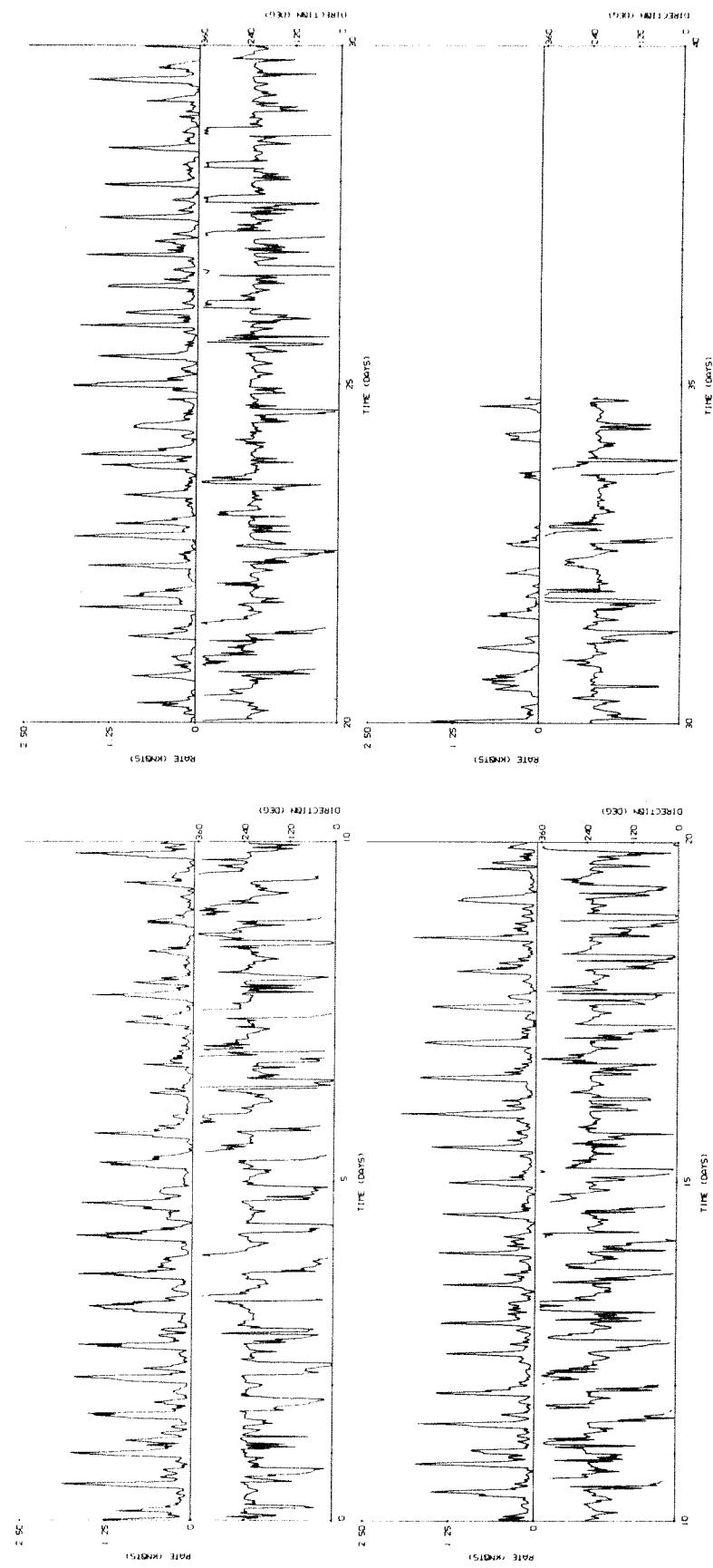
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNCTS

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FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNCTS



## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

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223-223 001 002 003 004 005 006

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270-212 013 213 609 295 901

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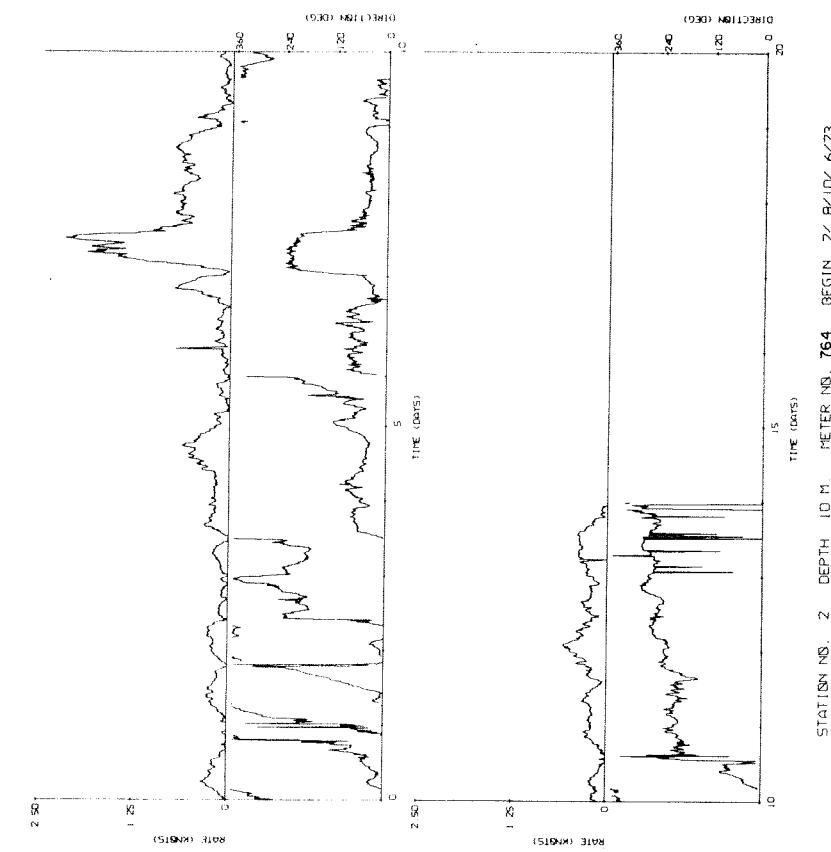
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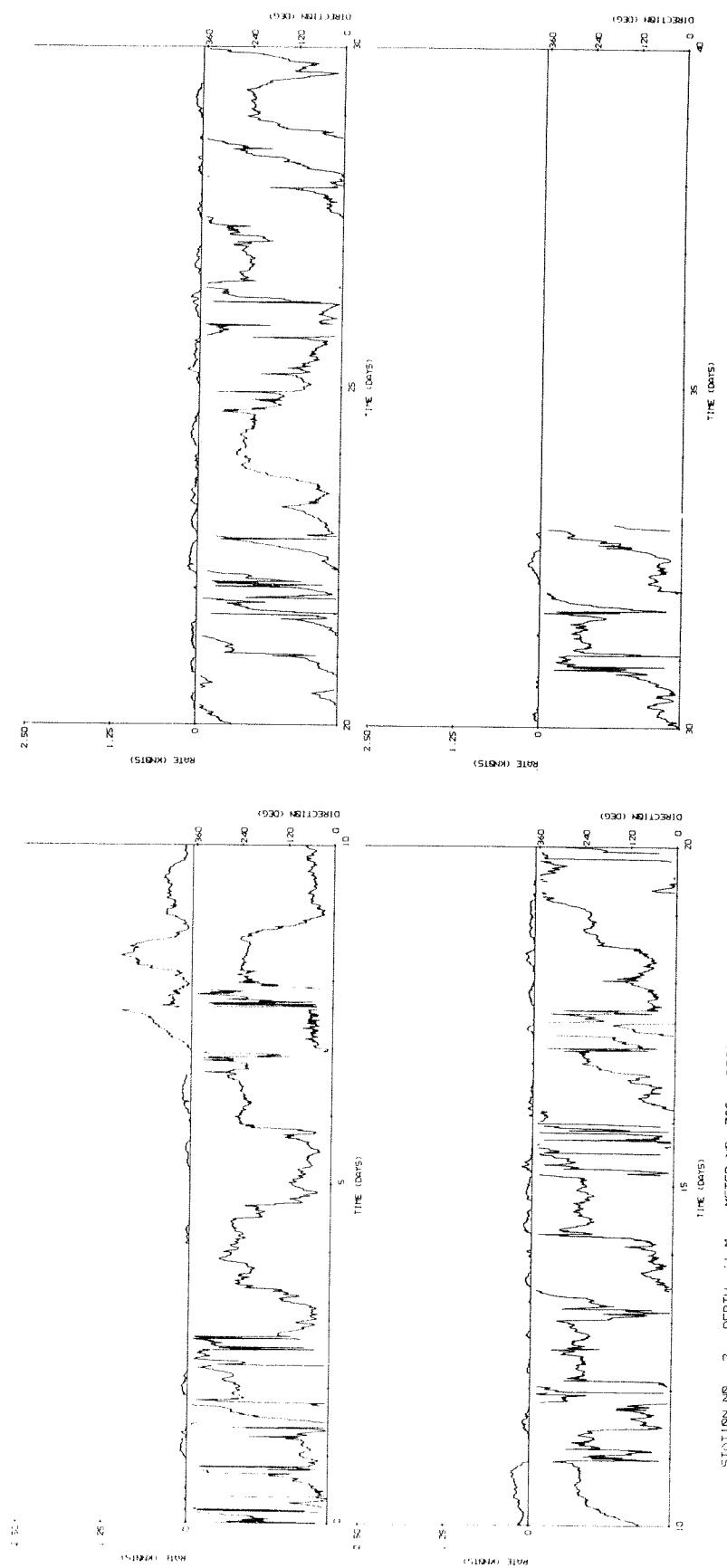
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STATION DEPTH 01 04 MN 02 HR 10 0Y 06 MO 73 YR  
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

FREQUENCY DISTRIBUTION OF GINECTOMY AND RATE KNOTS

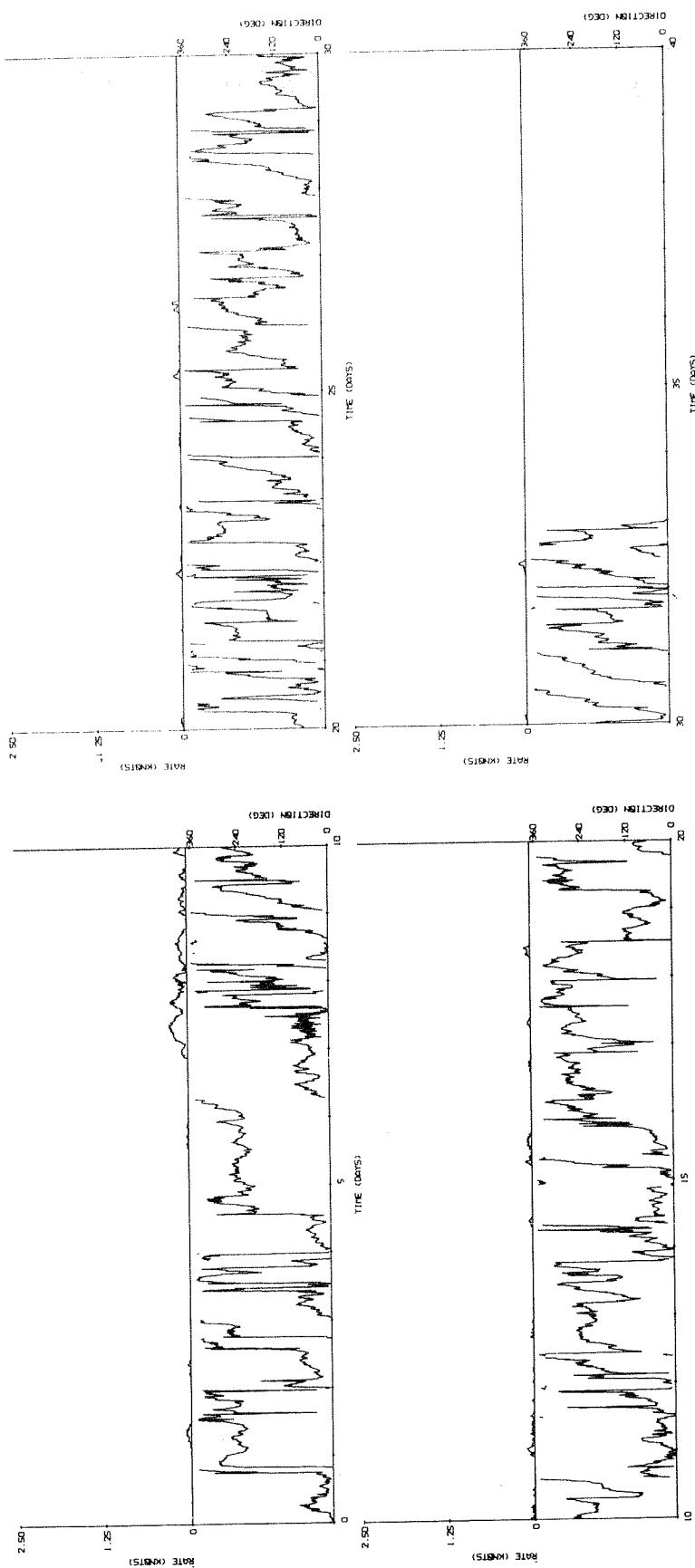


STATION DEPTH 122 59 MN 07 MR 16 BY 06 NO 73 YR

## FREQUENCY DISTRIBUTION OF GROWTH AND RATE FACTORS

	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40
T <sub>C</sub>	TC																								
b18	0.62	0.12	0.22	0.32	0.42	0.52	0.62	0.72	0.59	0.69	0.79	0.68	0.99	1.09	1.19	1.29	1.35	1.49	1.52	1.63	1.76	1.89	1.93	2.09	2.19
b19	0.68	0.18	0.28	0.38	0.48	0.58	0.68	0.78	0.65	0.75	0.85	0.74	1.05	1.15	1.25	1.35	1.45	1.58	1.68	1.81	1.94	2.04	2.14	2.29	2.39

208

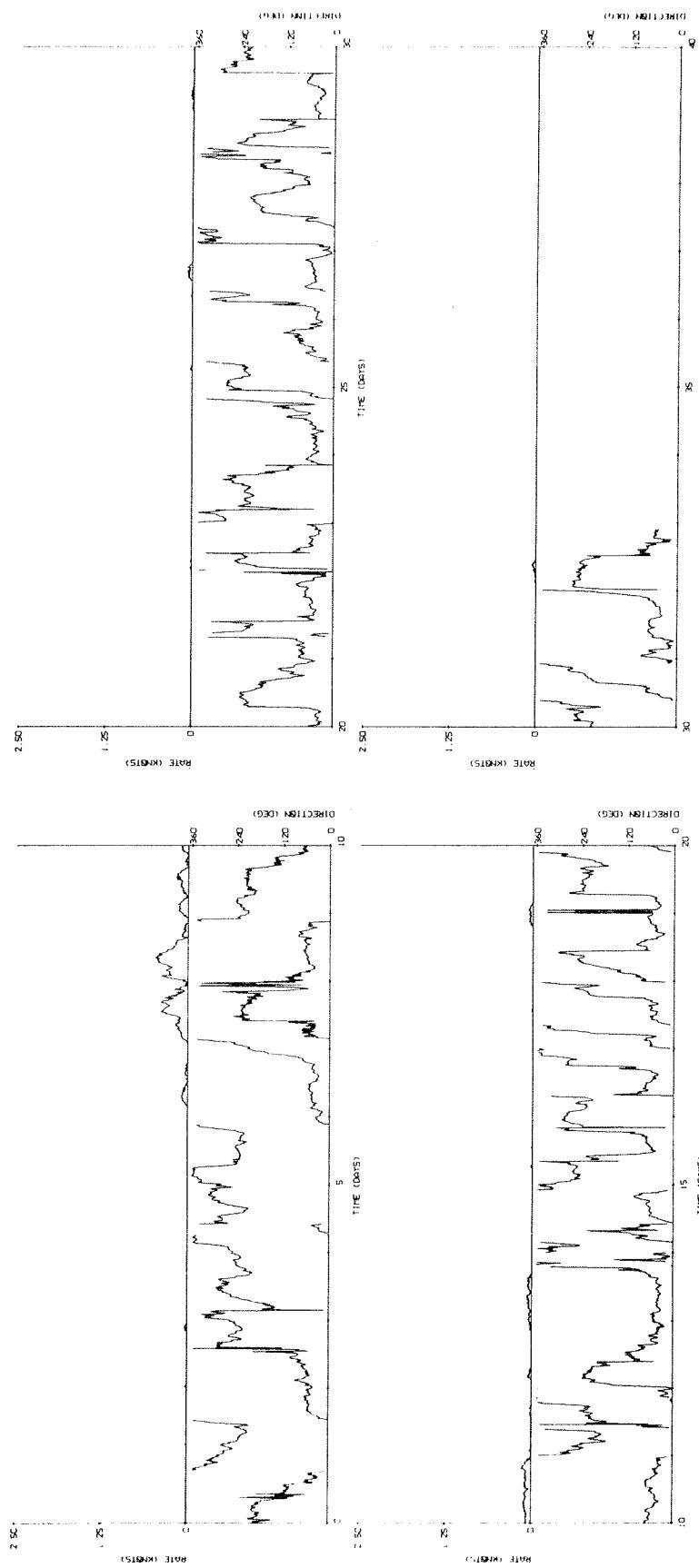


STATION NO. 2 DEPTH 122 M. METER NO. 763 BEGIN 59/7/10/ 6/73

STA 02 DEPTH 163 02 MN 08 HR 10 DY 06 NO 73 YR

## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

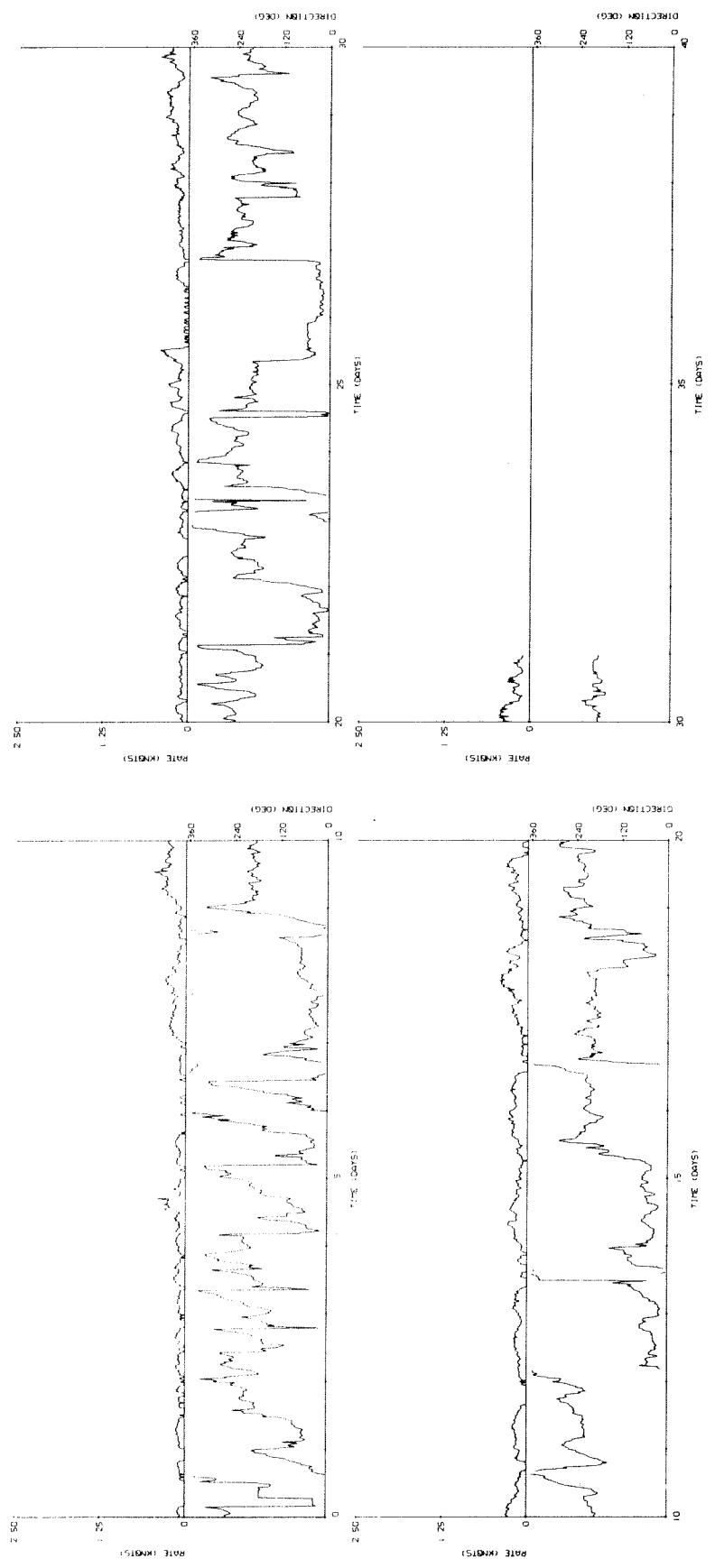
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TU	1C	1C	1C	TC	TC	TC	TO	TO	TC	TC	TO	TO	TC	TO	TC	TO	TO	TC	TO	TO	TC	TO	TO	TC		
DIR	009	019	029	039	049	059	069	079	089	099	109	119	129	139	149	159	169	179	189	199	209	219	229	239	249	
	000-009	051																								
	010-019	076																								
	020-029	114	001																							
	030-039	231	017	002																						
	040-049	471	013	007	003																					
	050-059	414	017	001	005	013																				
	060-069	345	024	009	007	006																				
	070-079	260	002	003	003																					
	080-089	125	001	003																						
	090-099	101	002	004																						
	100-109	059	002	001	001																					
	110-119	067	002																							
	120-129	036																								
	130-139	042																								
	140-149	045																								
	150-159	025																								
	160-169	029																								
	170-179	042	001																							
	180-189	054	004	001																						
	190-199	097	002	003																						
	200-209	063	003	002	003																					
	210-219	156	027	006	006																					
	220-229	198	019	004	010																					
	230-239	237	011	001	005																					
	240-249	176	004																							
	250-259	153	001																							
	260-269	111	001																							
	270-279	130																								
	280-289	092																								
	290-299	076																								
	300-309	071																								
	310-319	046																								
	320-329	034																								
	330-339	054																								
	340-349	048																								
	350-359	063																								
	4470	158	44	45	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4740	



STATION NO. 2 DEPTH 183 M. METER NO. 766 BEGIN 2/8/10 6/73

STA 02 Dept H 10 11 MA 12 HR 10 UY 07 NO 73 YR

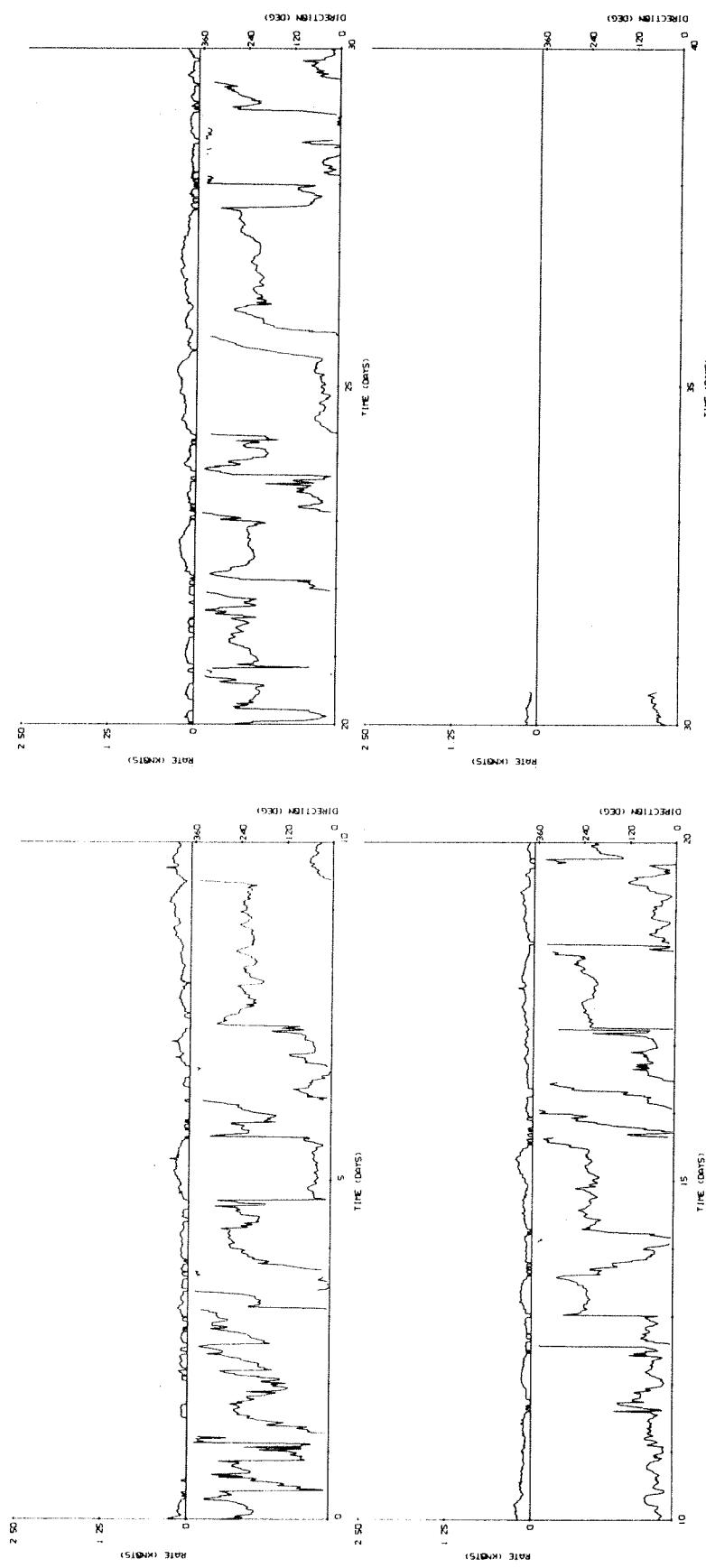
## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS



STA 02 DEPTH 20 03 MH 23 HR 10 DY 07 MO 73 YR

FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

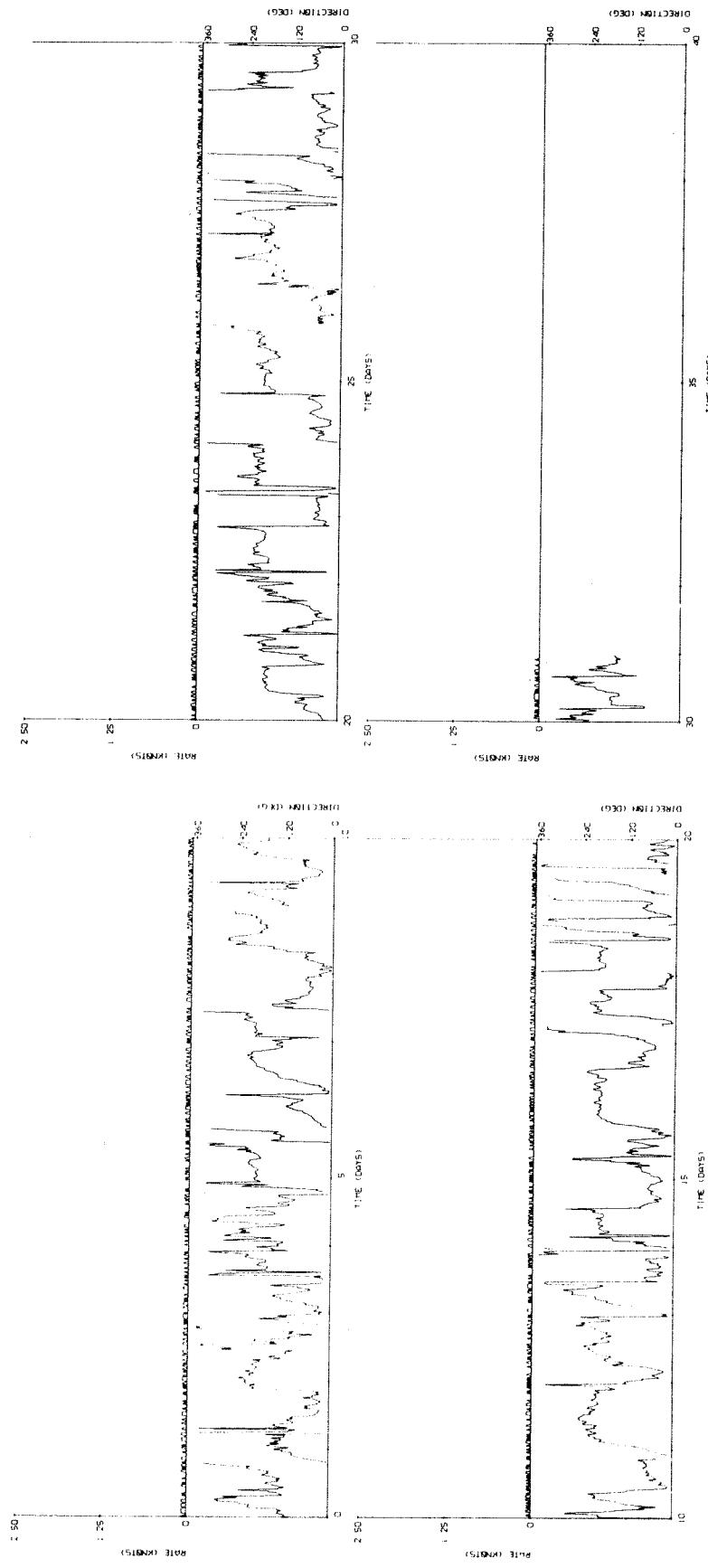
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	010-019	030	014		020	029	031	044	001	031	074	028	047	106	034	001	021	064	013	076	062	017	001	079	034	001	025	004		
	020-029				030-039		031	074	028	040-049		047		106		034	001	021		064	013	076	062	017	001	079	034	001	025	004
	030-039				040-049		047		106	050-059		021		064		013	001	076		062	017	001	079		034	001	025	004		
	050-059				060-069		076		062	070-079		021		064		013	001	076		062	017	001	079		034	001	025	004		
	080-089				090-099		080		062	100-109		021		064		013	001	079		062	017	001	079		034	001	025	004		
	110-119				120-129		110		062	130-139		116		064		013	001	079		062	017	001	079		034	001	025	004		
	140-149				150-159		140		062	160-169		116		064		013	001	079		062	017	001	079		034	001	025	004		
	170-179				180-189		170		062	190-199		116		064		013	001	079		062	017	001	079		034	001	025	004		
	210-219				220-229		210		062	230-239		120		064		013	001	079		062	017	001	079		034	001	025	004		
	240-249				250-259		240		062	260-269		120		064		013	001	079		062	017	001	079		034	001	025	004		
	280-289				290-299		280		062	300-309		120		064		013	001	079		062	017	001	079		034	001	025	004		
	310-319				320-329		310		062	330-339		120		064		013	001	079		062	017	001	079		034	001	025	004		
	340-349				350-359		340		062	360-369		120		064		013	001	079		062	017	001	079		034	001	025	004		
	380-389				390-399		380		062	400-409		120		064		013	001	079		062	017	001	079		034	001	025	004		
	420-429				430-439		420		062	440-449		120		064		013	001	079		062	017	001	079		034	001	025	004		
	460-469				470-479		460		062	480-489		120		064		013	001	079		062	017	001	079		034	001	025	004		
	500-509				510-519		500		062	520-529		120		064		013	001	079		062	017	001	079		034	001	025	004		
	540-549				550-559		540		062	560-569		120		064		013	001	079		062	017	001	079		034	001	025	004		
	580-589				590-599		580		062	600-609		120		064		013	001	079		062	017	001	079		034	001	025	004		
	620-629				630-639		620		062	640-649		120		064		013	001	079		062	017	001	079		034	001	025	004		
	660-669				670-679		660		062	680-689		120		064		013	001	079		062	017	001	079		034	001	025	004		
	700-709				710-719		700		062	720-729		120		064		013	001	079		062	017	001	079		034	001	025	004		
	740-749				750-759		740		062	760-769		120		064		013	001	079		062	017	001	079		034	001	025	004		
	780-789				790-799		780		062	800-809		120		064		013	001	079		062	017	001	079		034	001	025	004		
	820-829				830-839		820		062	840-849		120		064		013	001	079		062	017	001	079		034	001	025	004		
	860-869				870-879		860		062	880-889		120		064		013	001	079		062	017	001	079		034	001	025	004		
	900-909				910-919		900		062	920-929		120		064		013	001	079		062	017	001	079		034	001	025	004		
	940-949				950-959		940		062	960-969		120		064		013	001	079		062	017	001	079		034	001	025	004		
	980-989				990-999		980		062	1000-1009		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1040-1049				1050-1059		1040		062	1060-1069		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1100-1109				1110-1119		1100		062	1120-1129		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1140-1149				1150-1159		1140		062	1160-1169		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1180-1189				1190-1199		1180		062	1200-1209		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1220-1229				1230-1239		1220		062	1240-1249		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1260-1269				1270-1279		1260		062	1280-1289		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1300-1309				1310-1319		1300		062	1320-1329		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1340-1349				1350-1359		1340		062	1360-1369		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1380-1389				1390-1399		1380		062	1400-1409		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1420-1429				1430-1439		1420		062	1440-1449		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1460-1469				1470-1479		1460		062	1480-1489		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1500-1509				1510-1519		1500		062	1520-1529		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1540-1549				1550-1559		1540		062	1560-1569		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1580-1589				1590-1599		1580		062	1600-1609		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1620-1629				1630-1639		1620		062	1640-1649		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1660-1669				1670-1679		1660		062	1680-1689		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1700-1709				1710-1719		1700		062	1720-1729		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1740-1749				1750-1759		1740		062	1760-1769		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1780-1789				1790-1799		1780		062	1800-1809		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1820-1829				1830-1839		1820		062	1840-1849		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1860-1869				1870-1879		1860		062	1880-1889		120		064		013	001	079		062	017	001	079		034	001	025	004		
	1900-1909				1910-1919		1900		062	1920-1929		120																		



STA 02 DEPTH 123 58 NH 11 HR 10 DY 07 MO 73 YR

## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

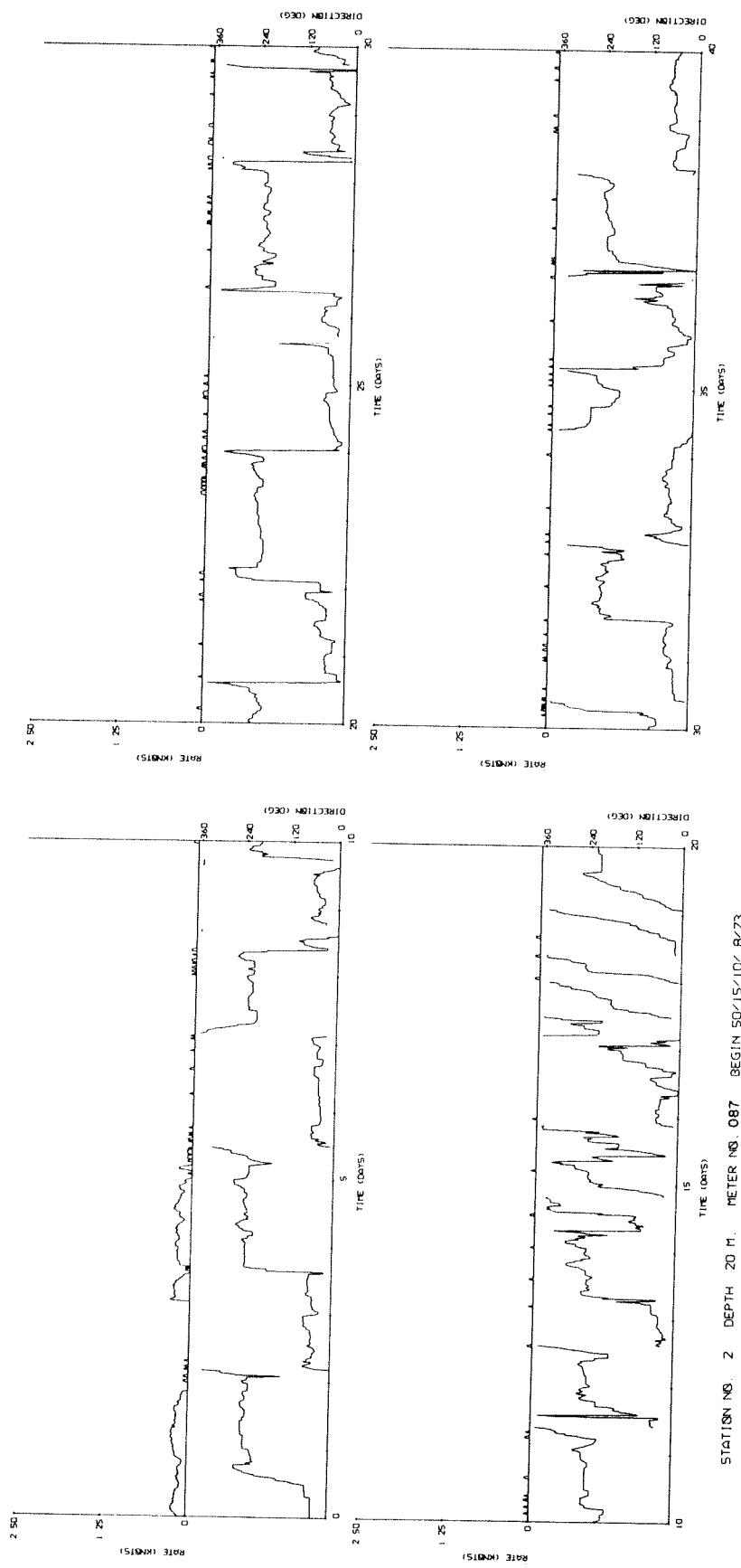
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020-029	084	84	
030-039	102	102	
040-049	083	83	
050-059	104	83	
060-069	145	104	
070-079	101	145	
080-089	081	101	
090-099	052	81	
100-109	052	52	
110-119	043	52	
120-129	067	43	
130-139	064	67	
140-149	039	64	
150-159	061	39	
160-169	074	61	
170-179	064	74	
180-189	108	64	
190-199	180	108	
200-209	182	180	
210-219	109	182	
220-229	088	109	
230-239	040	74	
240-249	028	64	
250-259	025	108	
260-269	021	180	
270-279	022	182	
280-289	019	109	
290-299	013	182	
300-309	006	28	
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320-329	018	21	
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340-349	014	22	
350-359	022	22	
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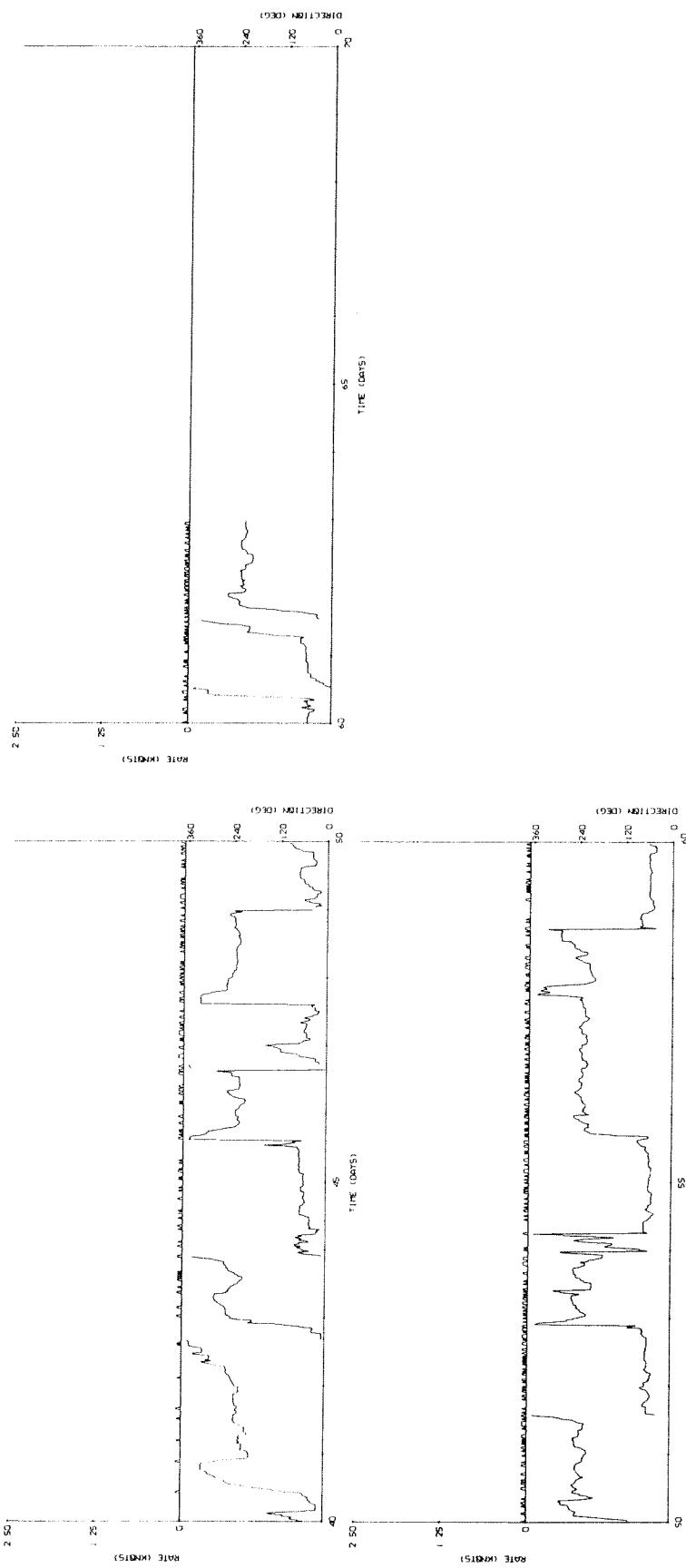


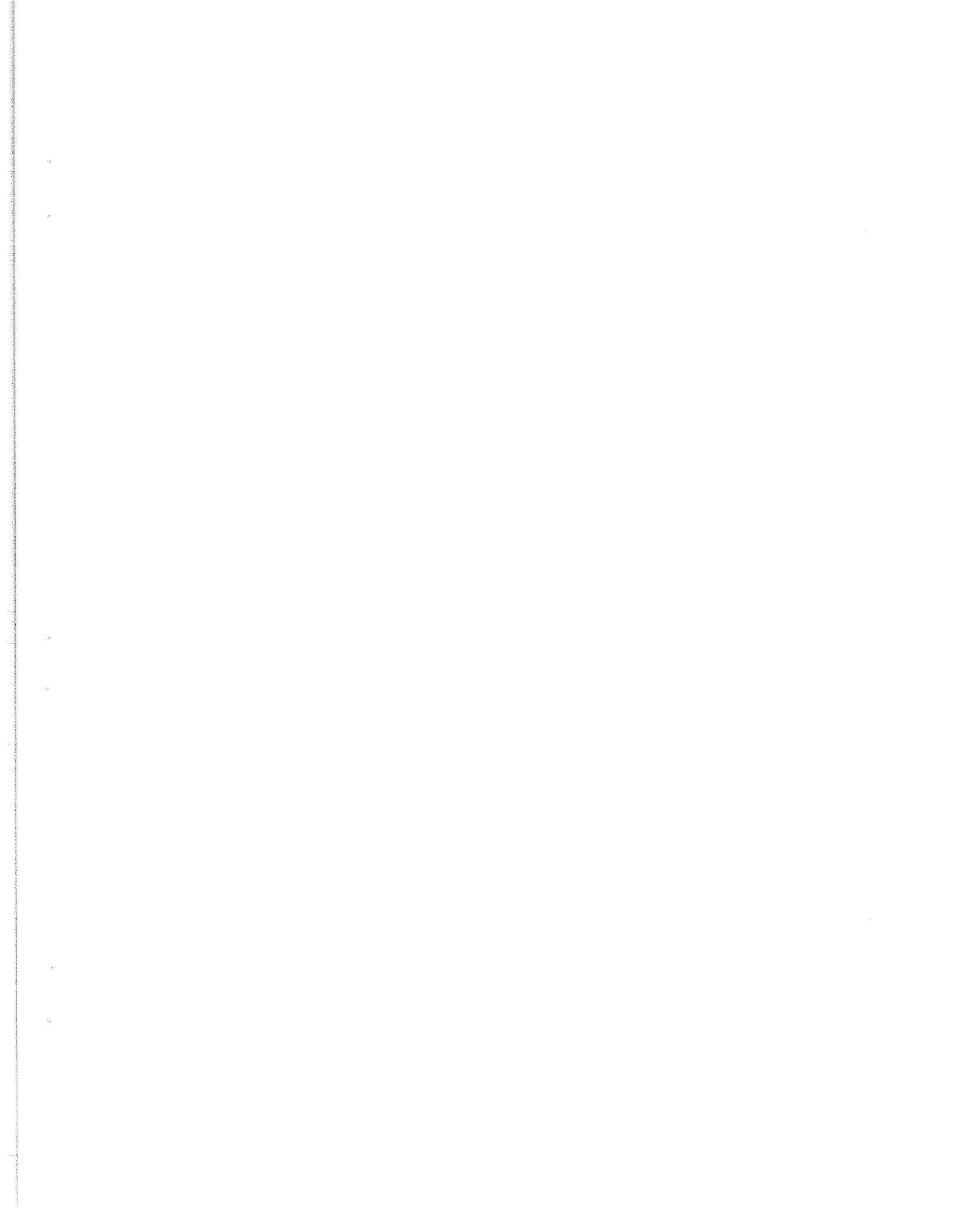
STATION NO. 2 DEPTH 123 M. METER NO. 199 BEGIN 58/11/10/ 7/73

FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

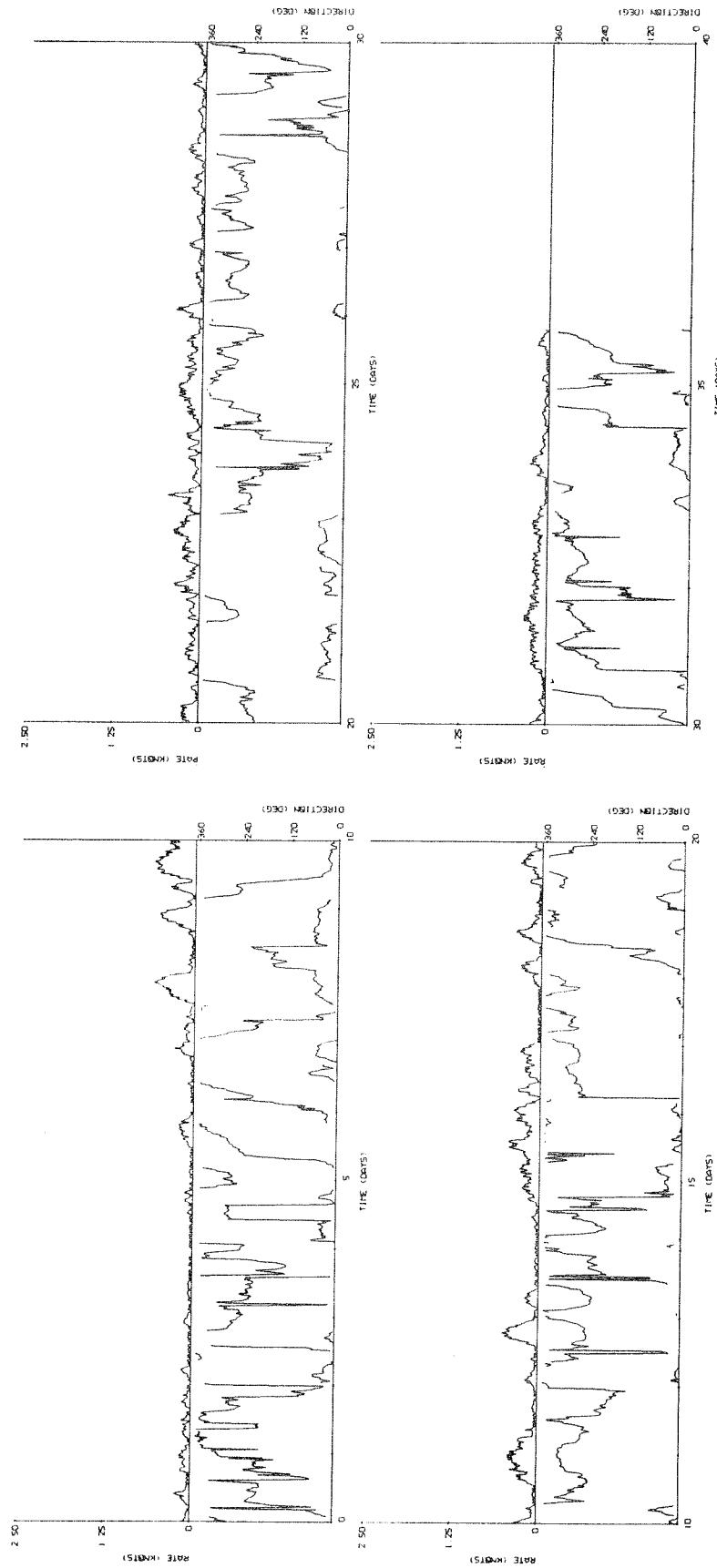
## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS







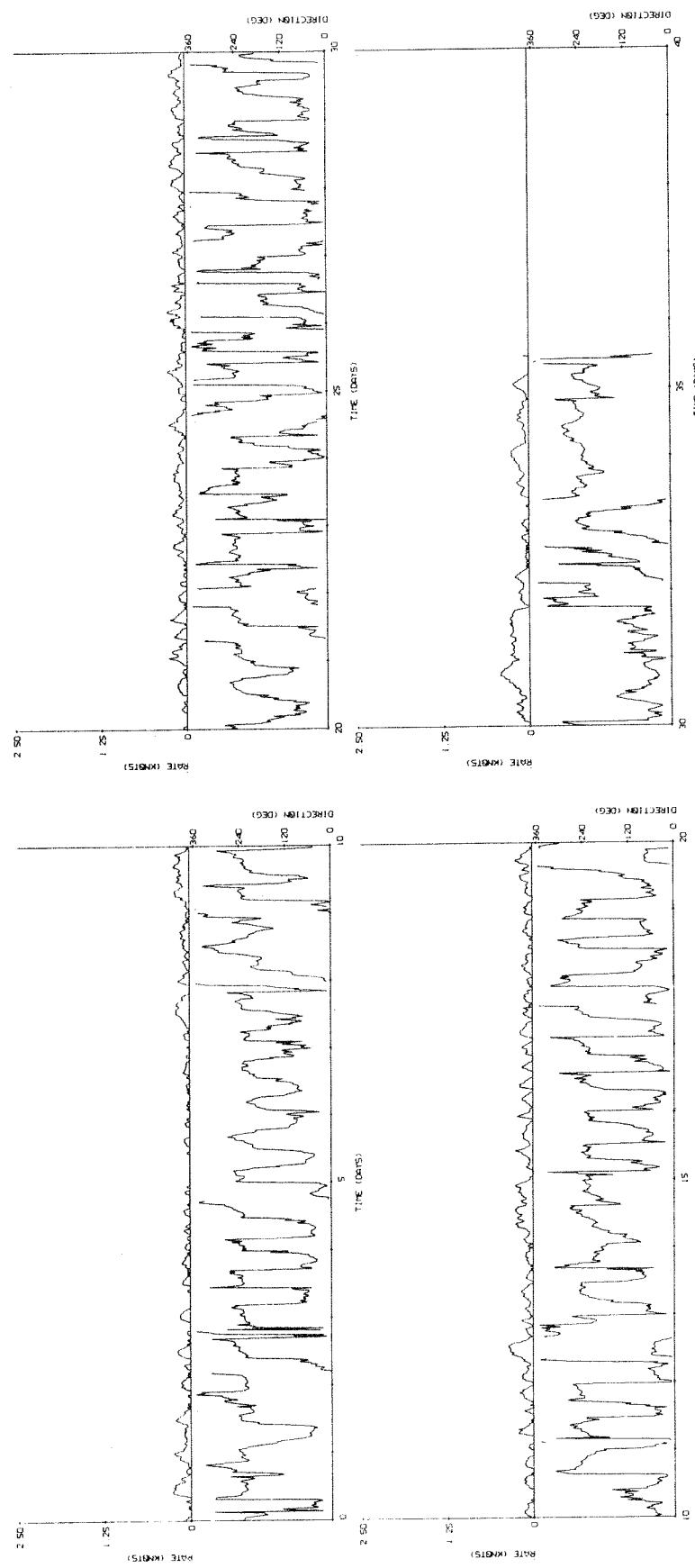
SUNSHINE COAST STATIONERY & BOOKSELLERS LTD.



STA 03 DEPTH 20 21 16 18 MR 04 DY 07 MO 73 YR  
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

FREQUENCY DISTRIBUTION OF DIRECTION AND RATE ANGLES

	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
TG	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
TC	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
TC	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
TC	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4



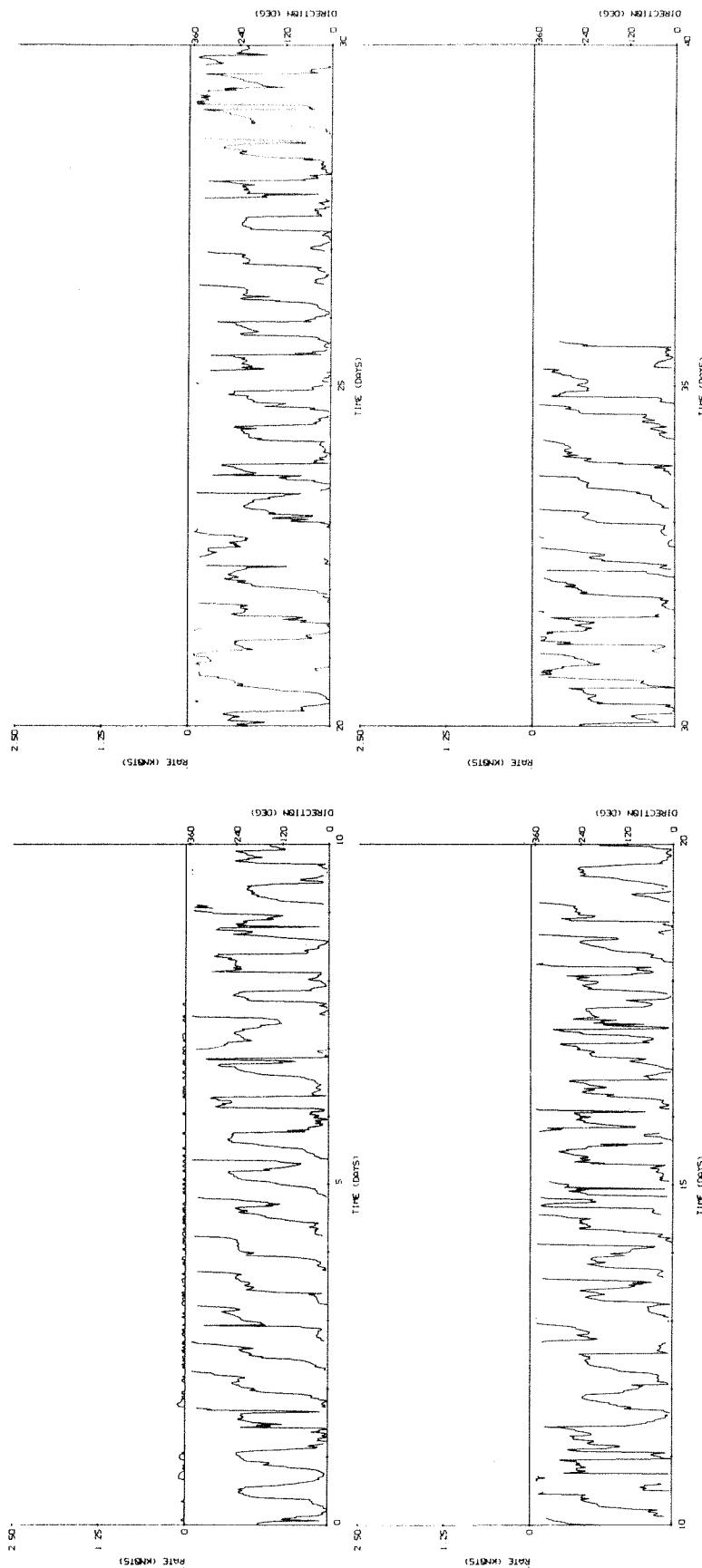
STATION NO. 3 DEPTH 20 M. METER NO. 134 BEGIN 21 18' 4" 7/73

## FREQUENCY DISTINGUISHION OF DIRECTION AND RATE KNOTS

STA 03 DEPTH 400 23 MN 16 HR 04 DR 07 NO 73 YR

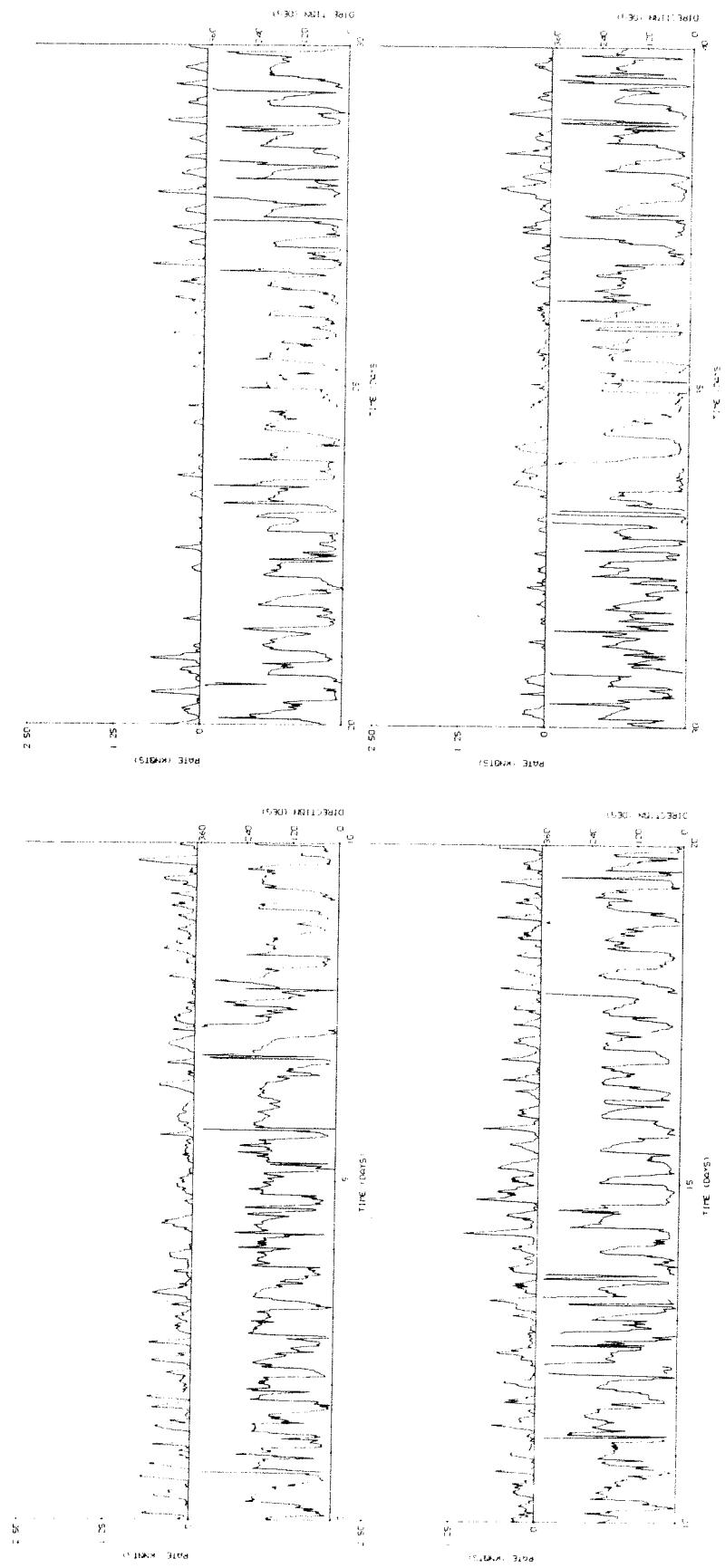
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UNIVERSITY OF TORONTO LIBRARIES  
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FREQUENCY DISTRIBUTION OF DISECTION AND BAIT

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AND  
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DISTRIBUTION  
EXECUTIVE



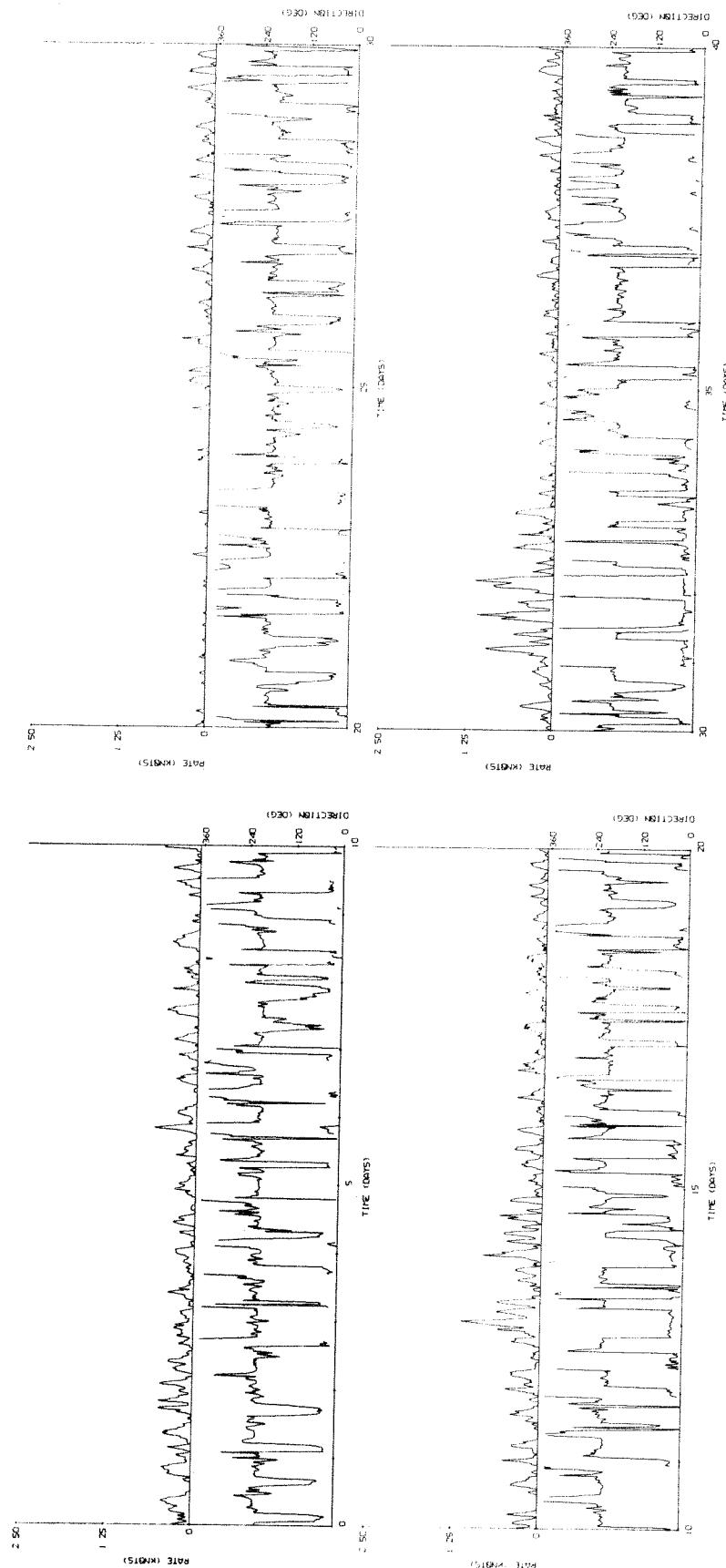
ESTATE PLANNING FOR THE RETIREMENT YEARS

## FREQUENCY DISTORTION OF DIRECT AND RATE KNOTS

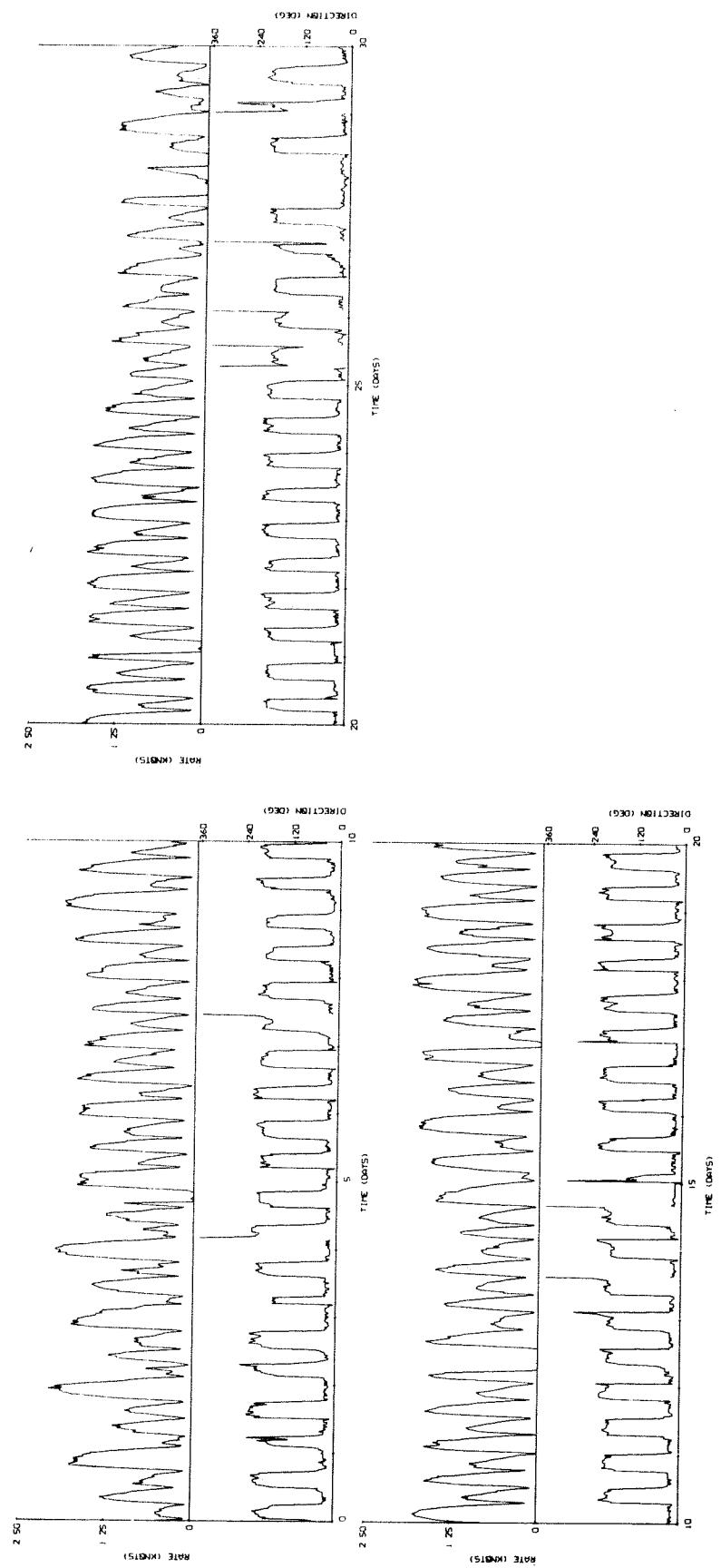
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

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TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG
CIR	0.09	0.19	0.29	0.39	0.49	0.59	0.69	0.79	0.89	0.99	1.09	1.19	1.29	1.39	1.49	1.59	1.69	1.79	1.89	1.99	2.09	2.19	2.29	2.39

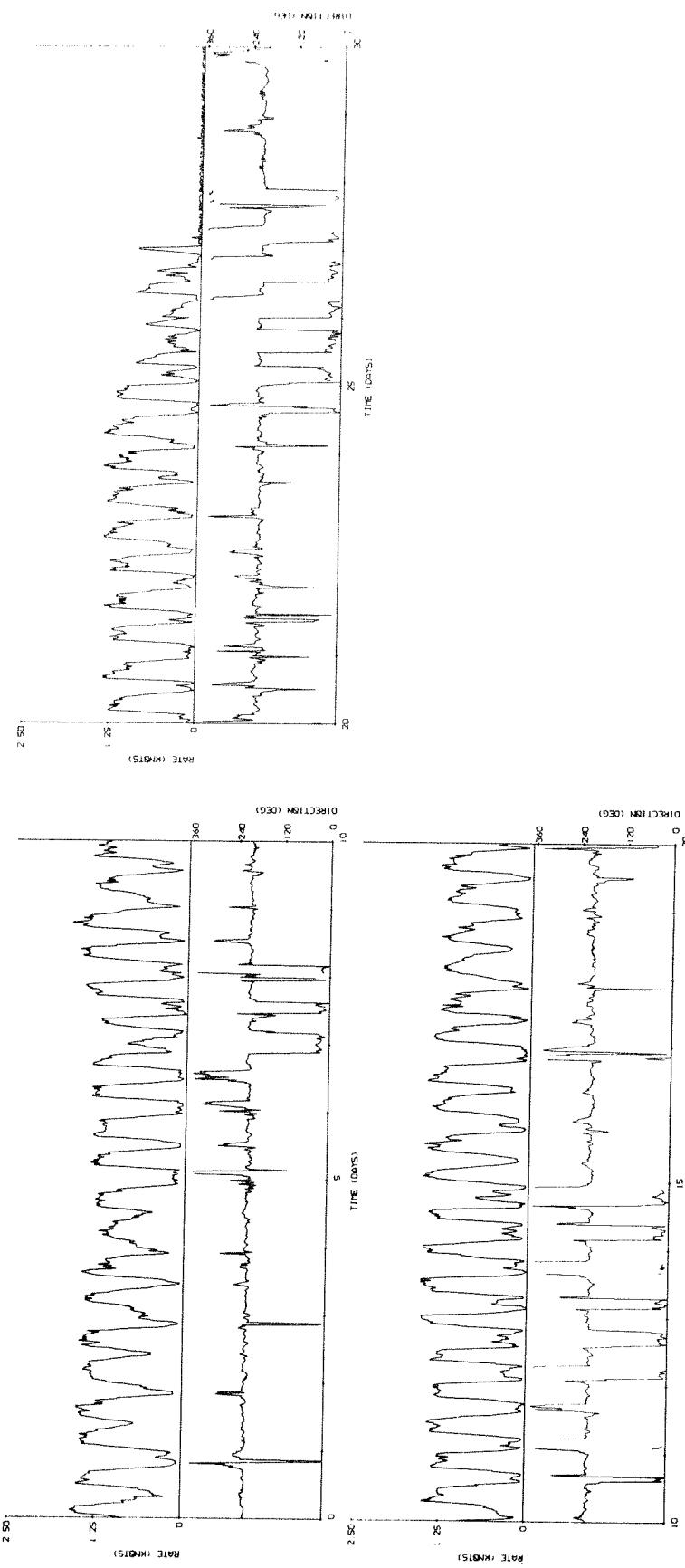
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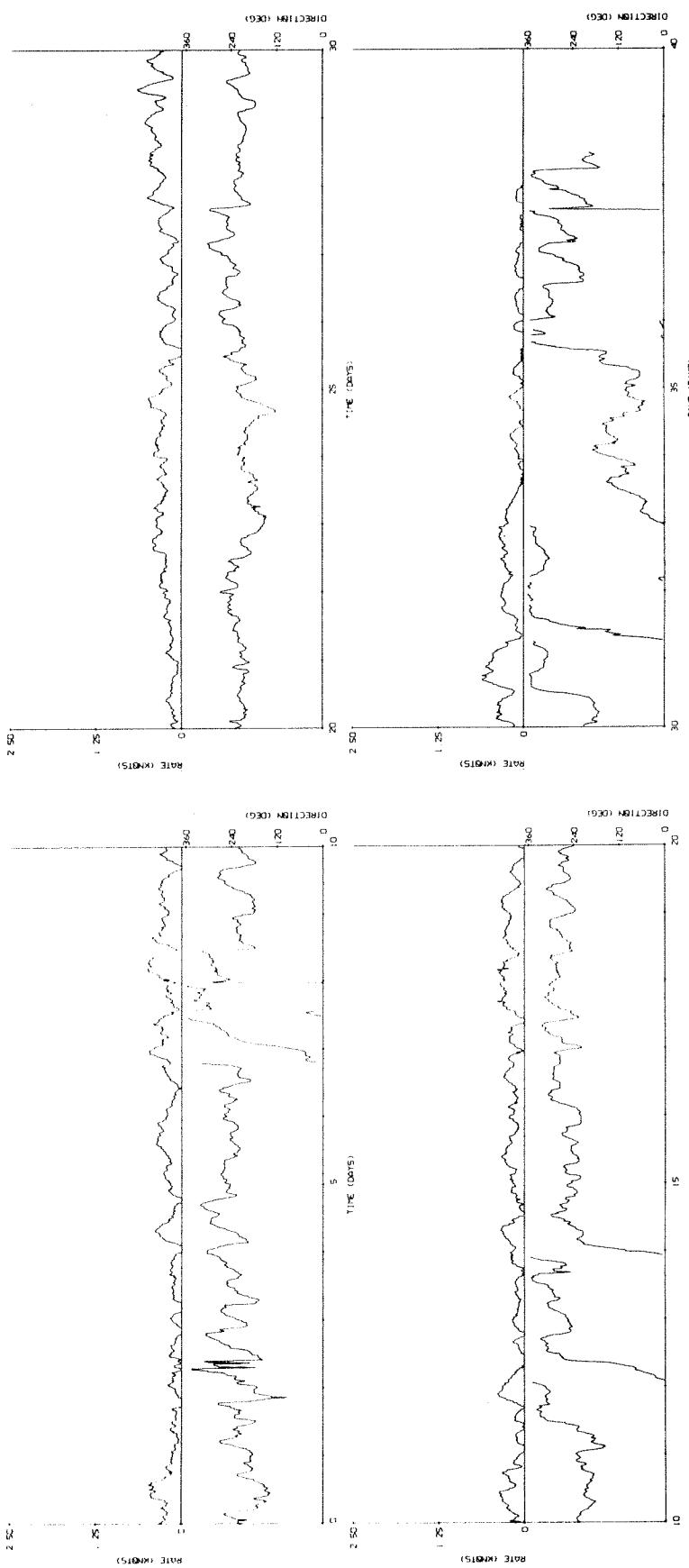


EQUILIBRIUM DISTRIBUTION OF INFECTION AND DATE KNOTS



FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNCTS

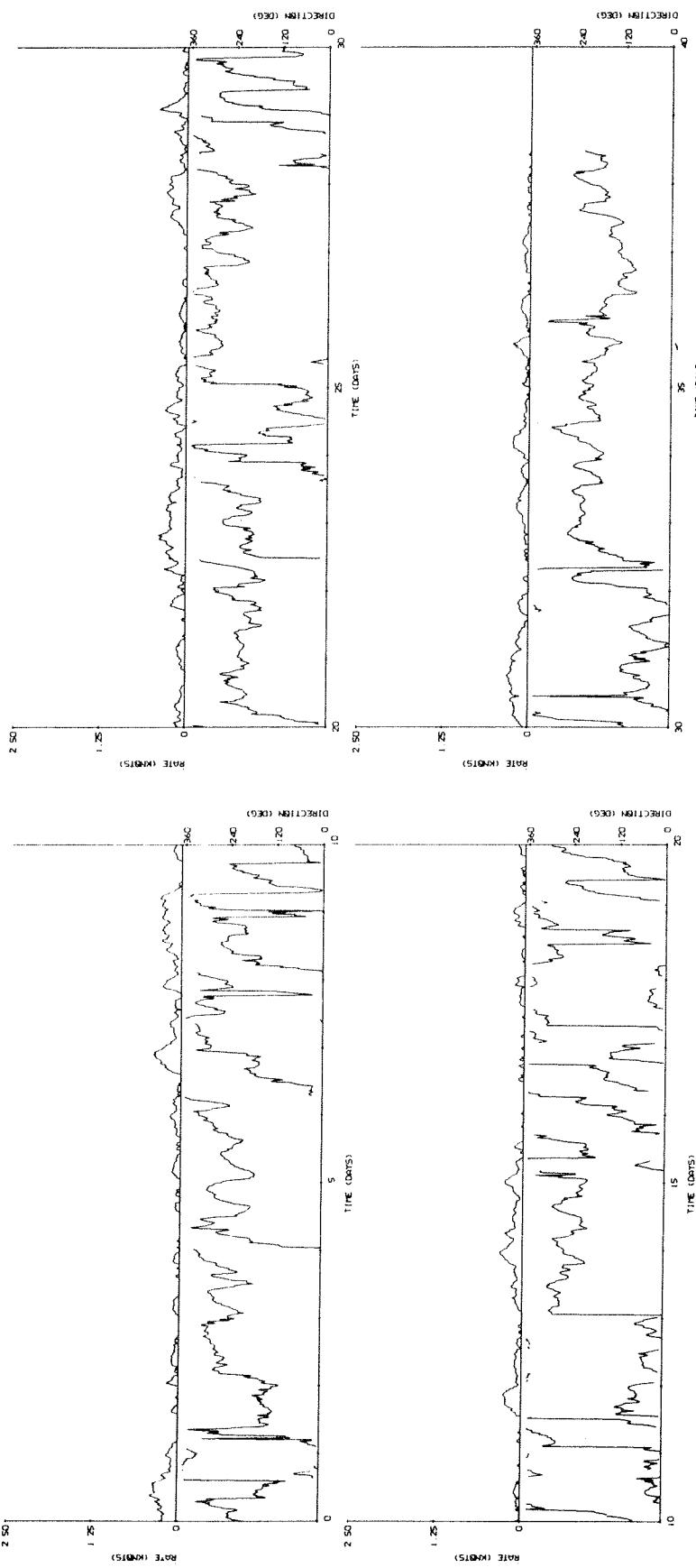
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNCTS



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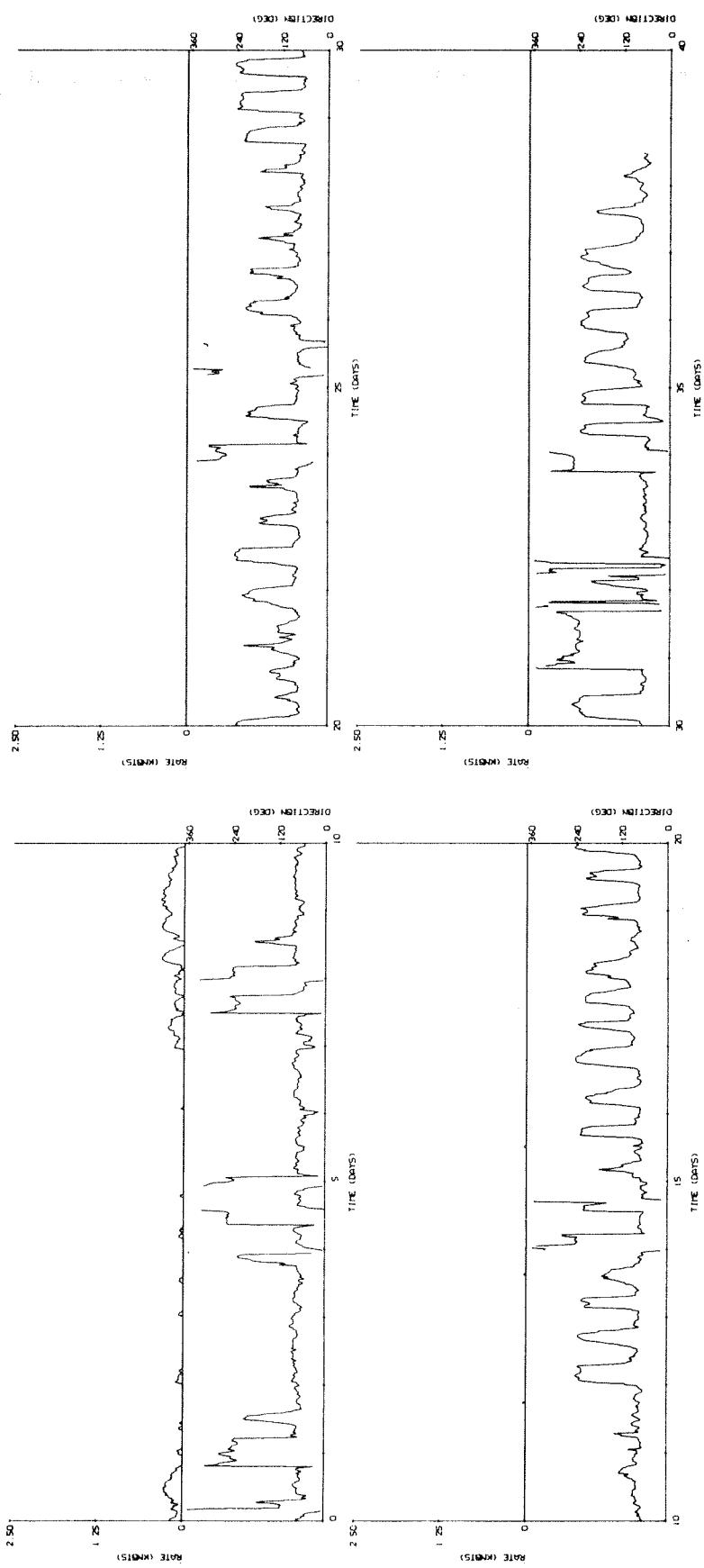
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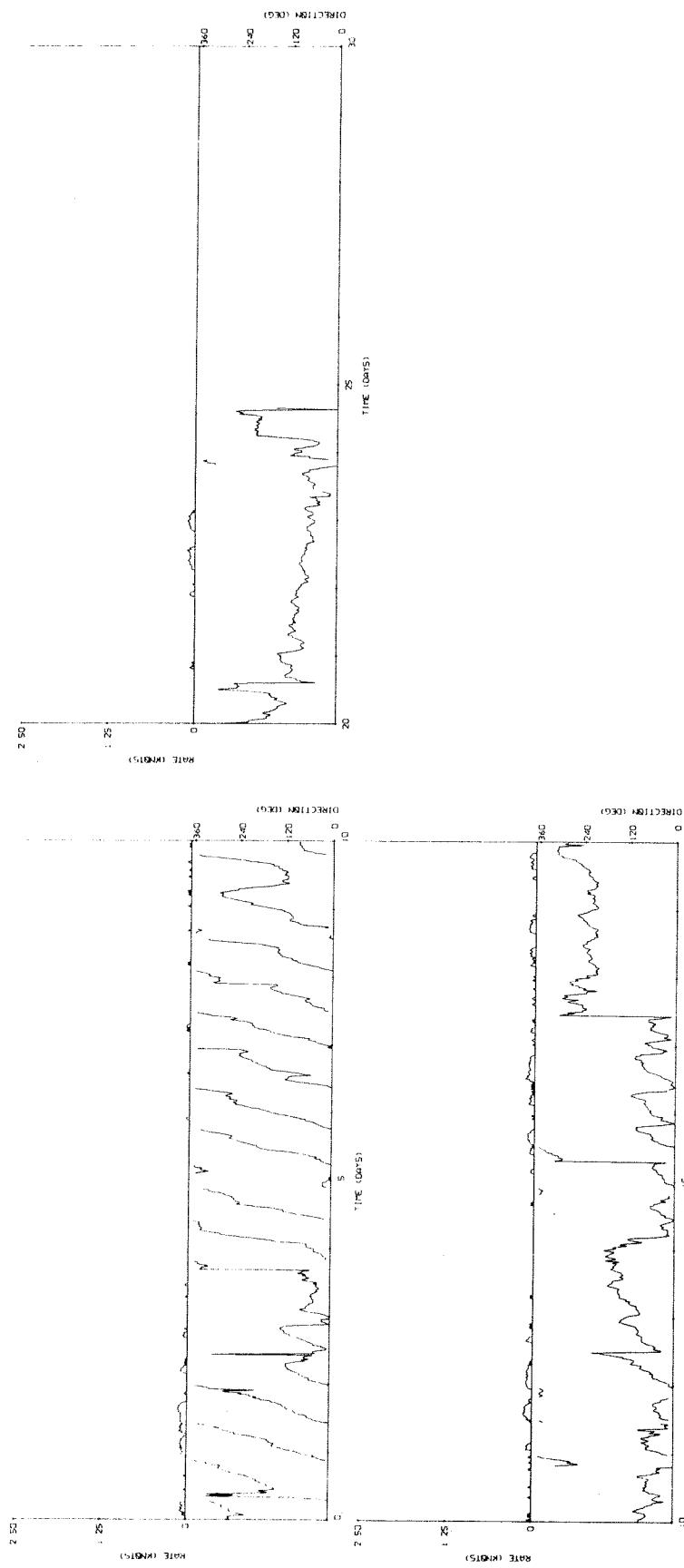
STATION NO. 6 DEPTH 18 M. METER NO. 121 BEGIN 56/155 5/ 7/73

### FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS



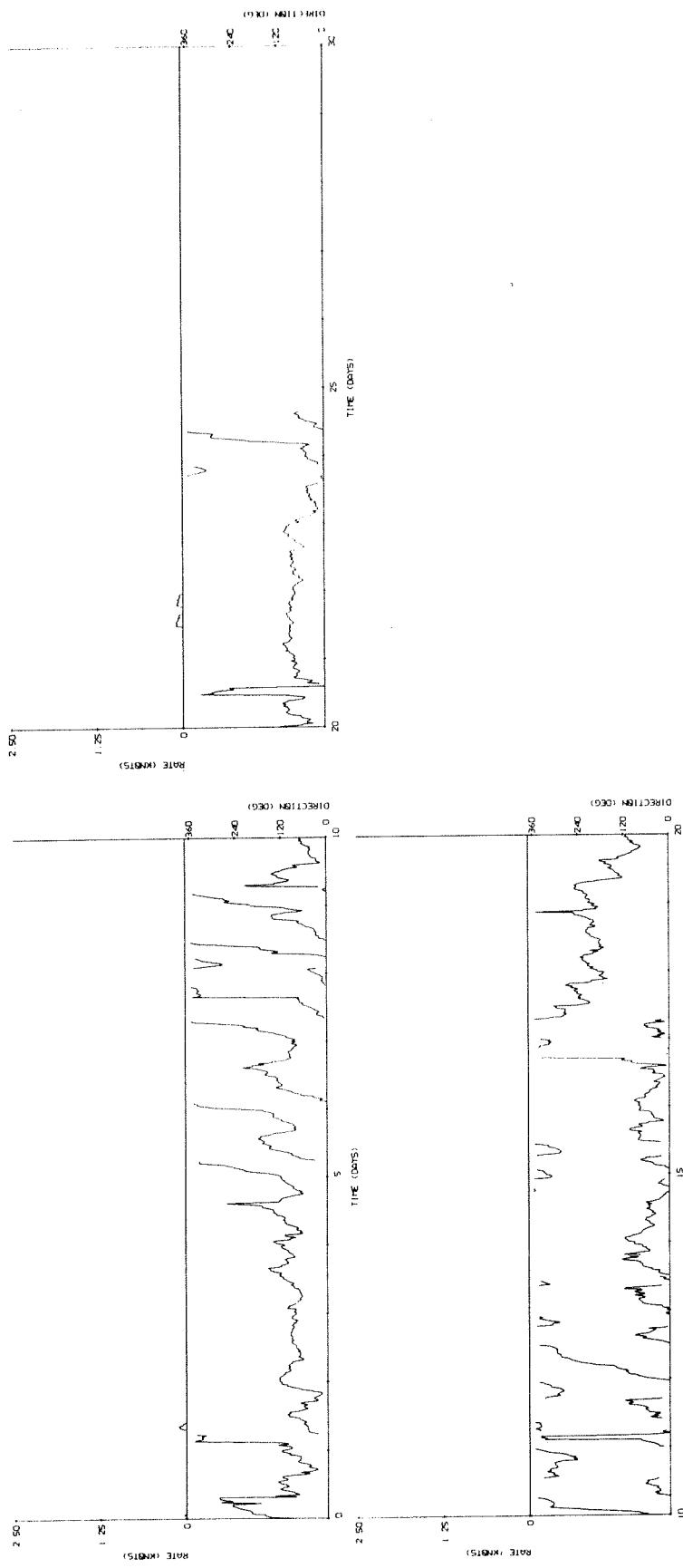




STA 07 DEPTH 18 14 MN 12 MR 19 DY 07 MU 73 YR

## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

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7500000-7599999 | 7600000-7699999 | 7700000-7799999 | 7800000-7899999 | 7900000-7999999 | 8000000-8099999 | 8100000-8199999 | 8200000-8299999 | 8300000-8399999 | 8400000-8499999 | 8500000-8599999 | 8600000-8699999 | 8700000-8799999 | 8800000-8899999 | 8900000-8999999 | 9000000-9099999 | 9100000-9199999 | 9200000-9299999 | 9300000-9399999 | 9400000-9499999 | 9500000-9599999 | 9600000-9699999 | 9700000-9799999 | 9800000-9899999 | 9900000-9999999 | 10000000-10999999 | 11000000-11999999 | 12000000-12999999 | 13000000-13999999 | 14000000-14999999 | 15000000-15999999 | 16000000-16999999 | 17000000-17999999 | 18000000-18999999 | 19000000-19999999 | 20000000-20999999 | 21000000-21999999 | 22000000-22999999 | 23000000-23999999 | 24000000-24999999 | 25000000-25999999 | 26000000-26999999 | 27000000-27999999 | 28000000-28999999 | 29000000-29999999 | 30000000-30999999 | 31000000-31999999 | 32000000-32999999 | 33000000-33999999 | 34000000-34999999 | 35000000-35999999 | 36000000-36999999 | 37000000-37999999 | 38000000-38999999 | 39000000-39999999 | 40000000-40999999 | 41000000-41999999 | 42000000-42999999 | 43000000-43999999 | 44000000-44999999 | 45000000-45999999 | 46000000-46999999 | 47000000-47999999 | 48000000-48999999 | 49000000-49999999 | 50000000-50999999 | 51000000-51999999 | 52000000-52999999 | 53000000-53999999 | 54000000-54999999 | 55000000-55999999 | 56000000-56999999 | 57000000-57999999 | 58000000-58999999 | 59000000-59999999 | 60000000-60999999 | 61000000-61999999 | 62000000-62999999 | 63000000-63999999 | 64000000-64999999 | 65000000-65999999 | 66000000-66999999 | 67000000-67999999 | 68000000-68999999 | 69000000-69999999 | 70000000-70999999 | 71000000-71999999 | 72000000-72999999 | 73000000-73999999 | 74000000-74999999 | 75000000-75999999 | 76000000-76999999 | 77000000-77999999 | 78000000-78999999 | 79000000-79999999 | 80000000-80999999 | 81000000-81999999 | 82000000-82999999 | 83000000-83999999 | 84000000-84999999 | 85000000-85999999 | 86000000-86999999 | 87000000-87999999 | 88000000-88999999 | 89000000-89999999 | 90000000-90999999 | 91000000-91999999 | 92000000-92999999 | 93000000-93999999 | 94000000-94999999 | 95000000-95999999 | 96000000-96999999 | 97000000-97999999 | 98000000-98999999 | 99000000-99999999 | 100000000-109999999 | 110000000-119999999 | 120000000-129999999 | 130000000-139999999 | 140000000-149999999 | 150000000-159999999 | 160000000-169999999 | 170000000-179999999 | 180000000-189999999 | 190000000-199999999 | 200000000-209999999 | 210000000-219999999 | 220000000-229999999 | 230000000-239999999 | 240000000-249999999 | 250000000-259999999 | 260000000-269999999 | 270000000-279999999 | 280000000-289999999 | 290000000-299999999 | 300000000-309999999 | 310000000-319999999 | 320000000-329999999 | 330000000-339999999 | 340000000-349999999 | 350000000-359999999 | 360000000-369999999 | 370000000-379999999 | 380000000-389999999 | 390000000-399999999 | 400000000-409999999 | 410000000-419999999 | 420000000-429999999 | 430000000-439999999 | 440000000-449999999 | 450000000-459999999 | 460000000-469999999 | 470000000-479999999 | 480000000-489999999 | 490000000-499999999 | 500000000-509999999 | 510000000-519999999 | 520000000-529999999 | 530000000-539999999 | 540000000-549999999 | 550000000-559999999 | 560000000-569999999 | 570000000-579999999 | 580000000-589999999 | 590000000-599999999 | 600000000-609999999 | 610000000-619999999 | 620000000-629999999 | 630000000-639999999 | 640000000-649999999 | 650000000-659999999 | 660000000-669999999 | 670000000-679999999 | 680000000-689999999 | 690000000-699999999 | 700000000-709999999 | 710000000-719999999 | 720000000-729999999 | 730000000-739999999 | 740000000-749999999 | 750000000-759999999 | 760000000-769999999 | 770000000-779999999 | 780000000-789999999 | 790000000-799999999 | 800000000-809999999 | 810000000-819999999 | 820000000-829999999 | 830000000-839999999 | 840000000-849999999 | 850000000-859999999 | 860000000-869999999 | 870000000-879999999 |
<th
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |



STA 07 DEPTH 38 50 MN 10 HR 19 UY 07 MU 73 YR  
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40
TC	TC	TC	TC	TC	TC	T0																		
0.009	0.19	0.29	0.39	0.49	0.59	0.69	0.79	0.89	0.99	1.09	1.19	1.29	1.39	1.49	1.59	1.69	1.79	1.89	1.99	2.09	2.19	2.29	2.39	2.49

DIA 009019

00-009 043

卷八

卷之三

50-054

70-074 054 008

3  
m m  
8 5  
0 0  
66-06  
90-06

卷之三

20-129 044  
30-114 033

40-149 050

60-164

10-176 021

90-169 018

R10-612-61

20-22, 01  
30-32, 028

卷之三

60-207 078

680-266 089

卷之三

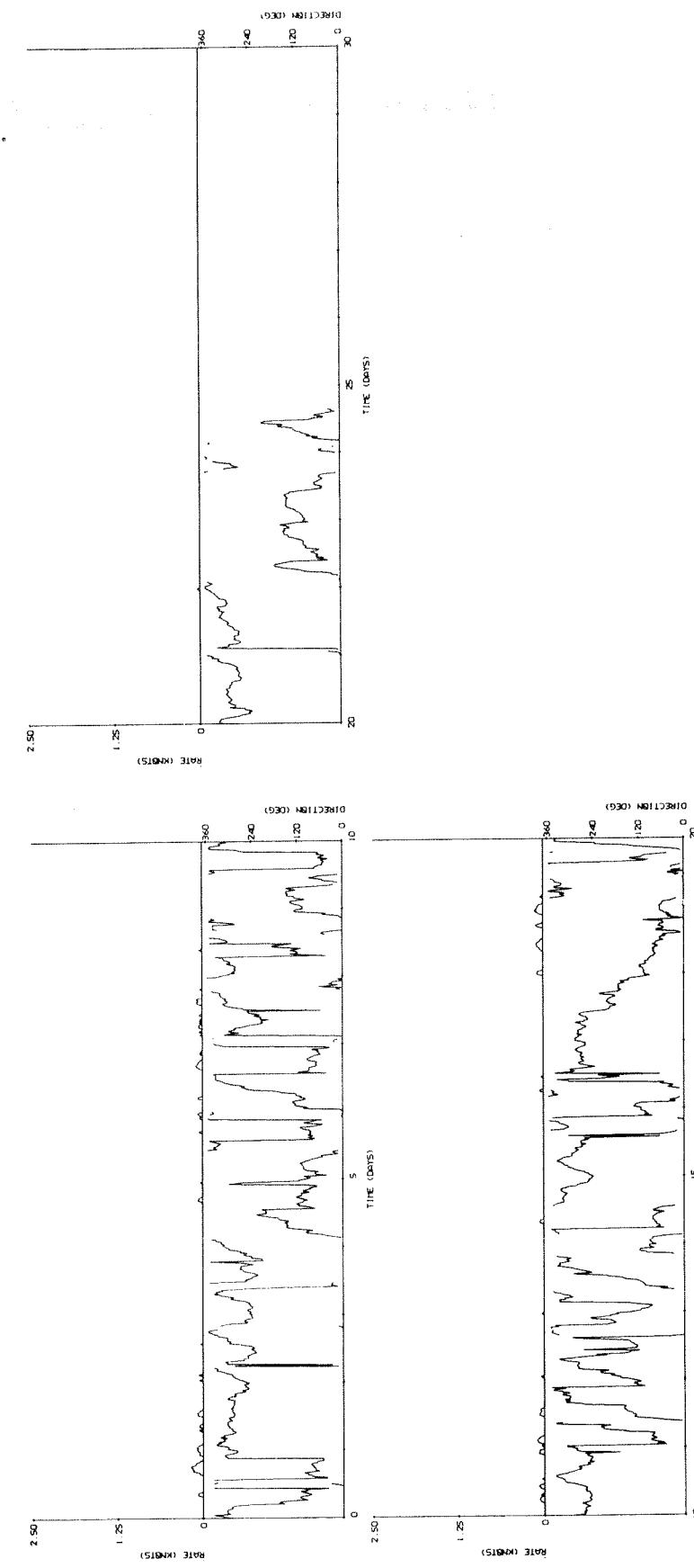
082 073

30-333 064

50-359 054

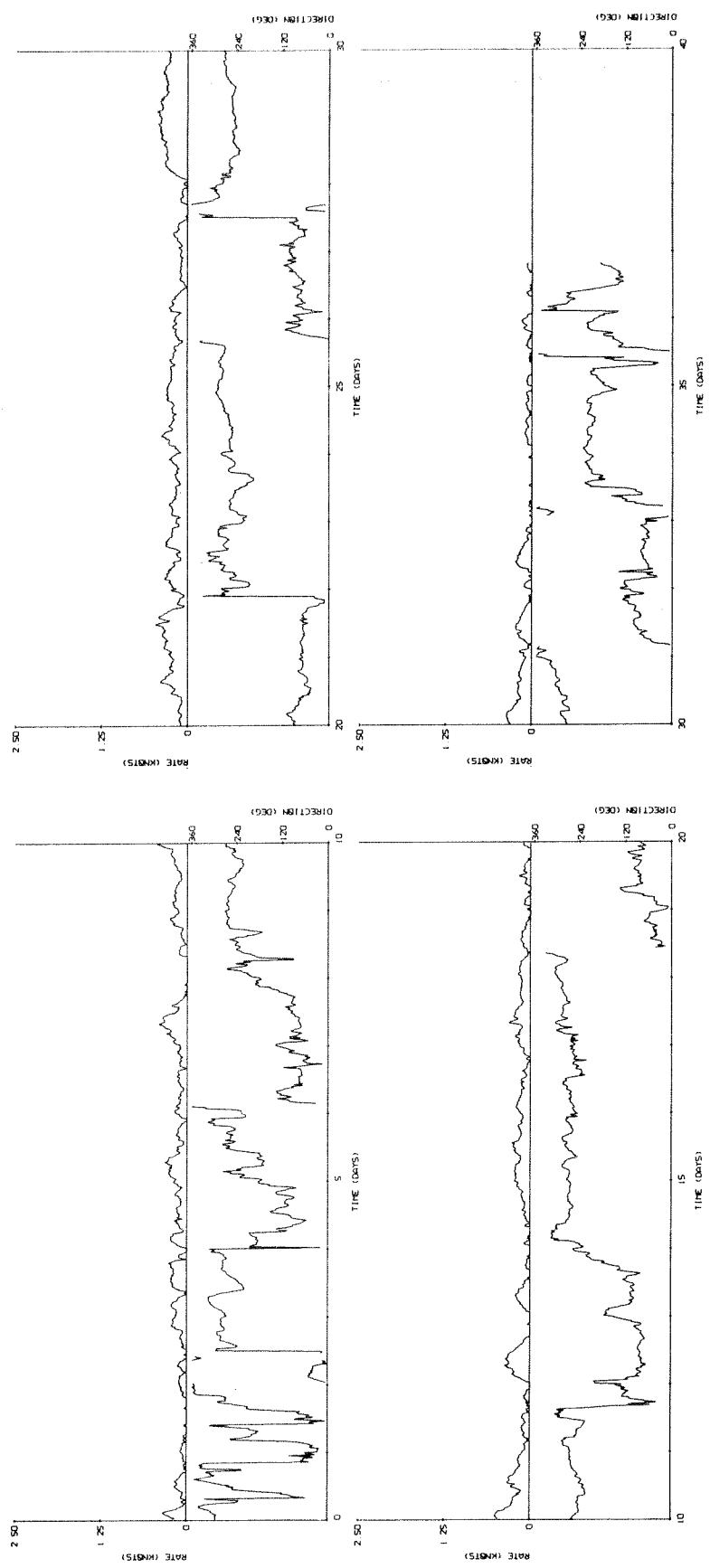
1756

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FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

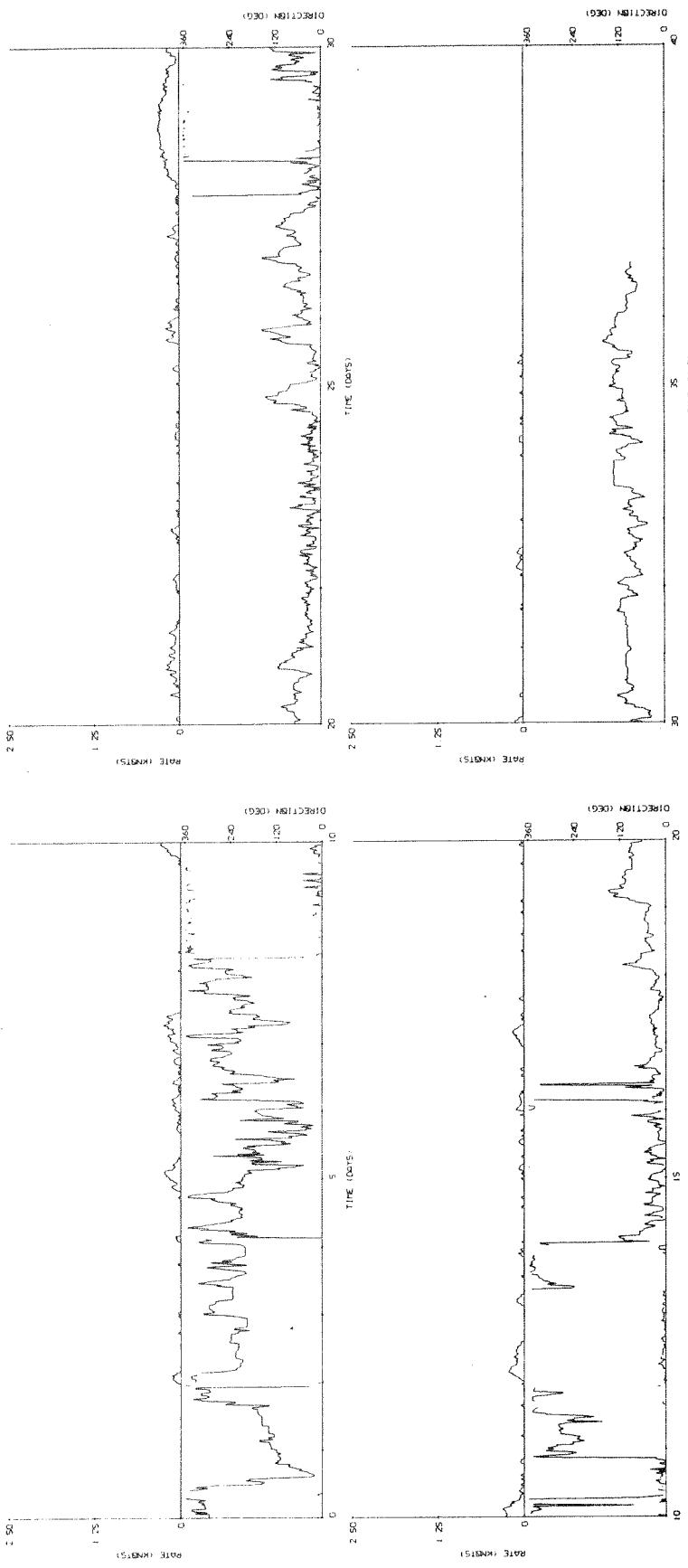
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS



STA 00 DEPTH 18 24 M. 11 HR 07 UR 07 MO 73 YR

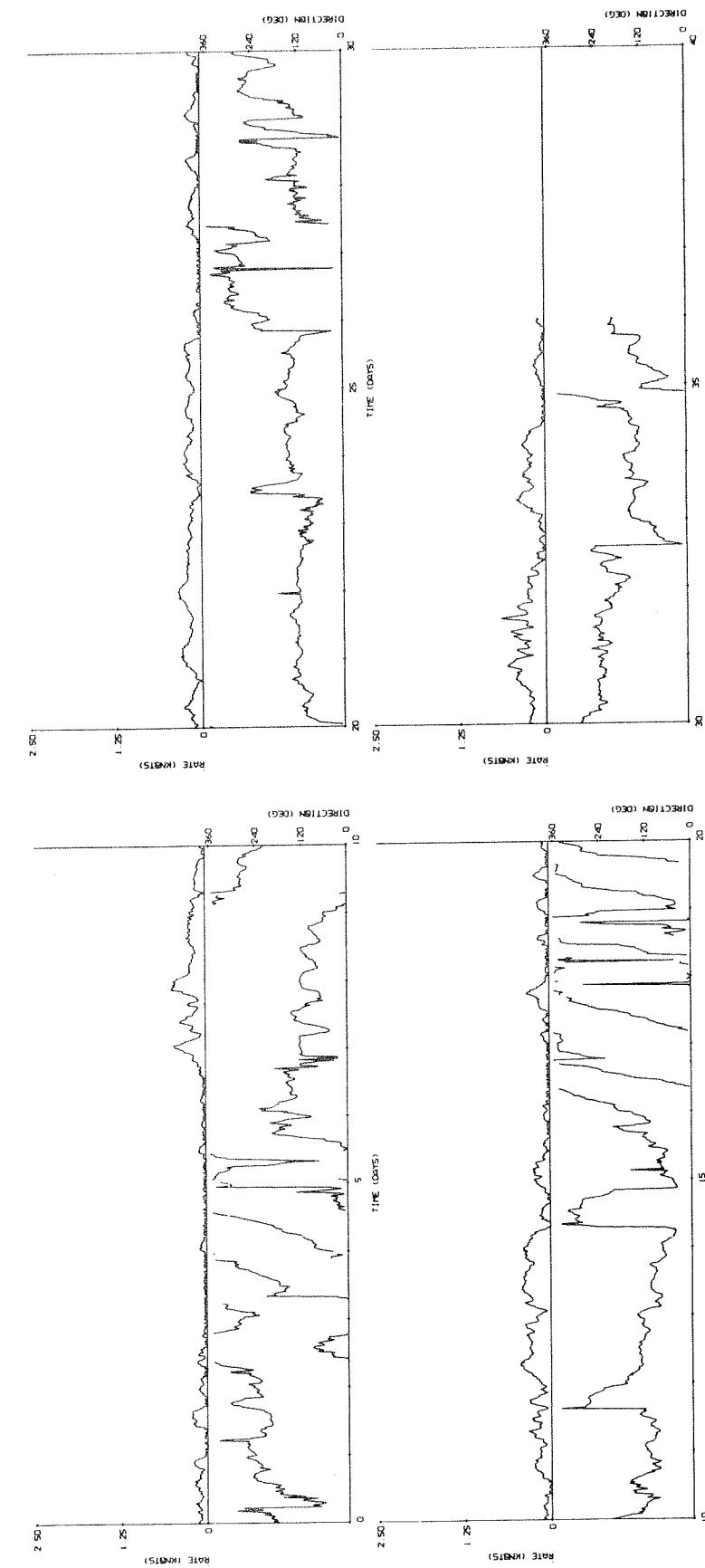
## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

DIR	000-09	172	029	040	001	000	010	020	030	040	050	060	070	080	090	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240
TC	IC	10	1C	10	1U	TC	10	1U	TC	10																				
000 019	024	039	044	054	069	079	084	094	099	109	119	129	139	149	154	169	176	189	194	209	219	229	239	249	242	187	181	195	144	
050-069	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
060-069	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	090	
070-079	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	
080-089	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	
090-099	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	
100-109	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	
110-119	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	069	
120-129	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	072	
130-139	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078	
140-149	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	031	
150-159	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	027	
160-169	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	014	
170-179	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	015	
180-189	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	
190-199	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	018	
200-209	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	
210-219	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	028	
220-229	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	
230-239	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	055	
240-249	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	
250-259	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	
260-269	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	
270-279	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	
280-289	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	033	
290-299	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	036	
300-309	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	029	
310-319	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	020	
320-329	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	016	
330-339	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	024	
340-349	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	066	
350-359	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	070	
2314	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216



FREQUENCY DISTRIBUTION OF DIRECTION AND RATE  
STA 09 SEPT 5 46 MIN 17 SEC 05 OY 07 NO 13 YR

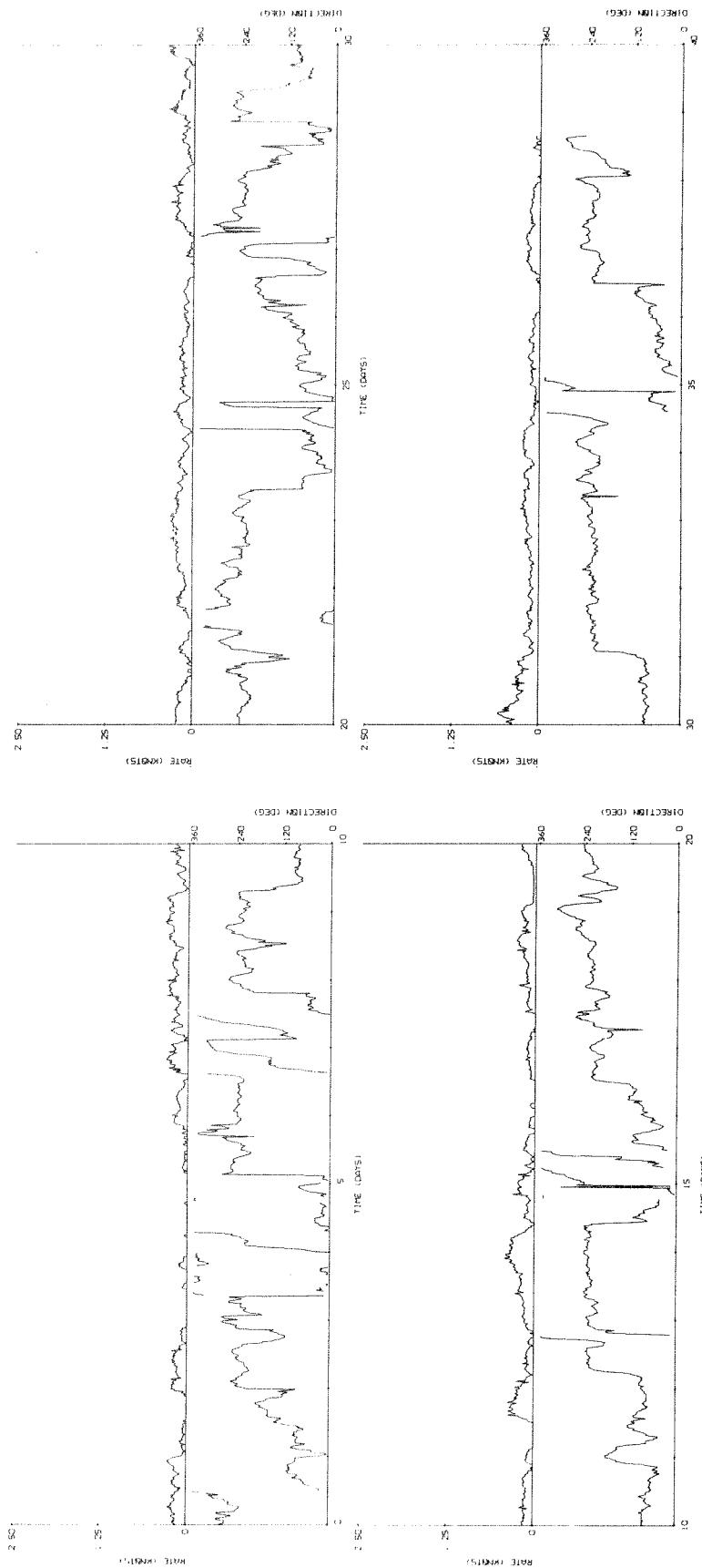
YUNCTS RATE INC 1974 CONNECTIONS



STA 04 LEPTH 12 07 AM 18 HR 05 LY 07 MO 73 YR

## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

300-004 024 610 001



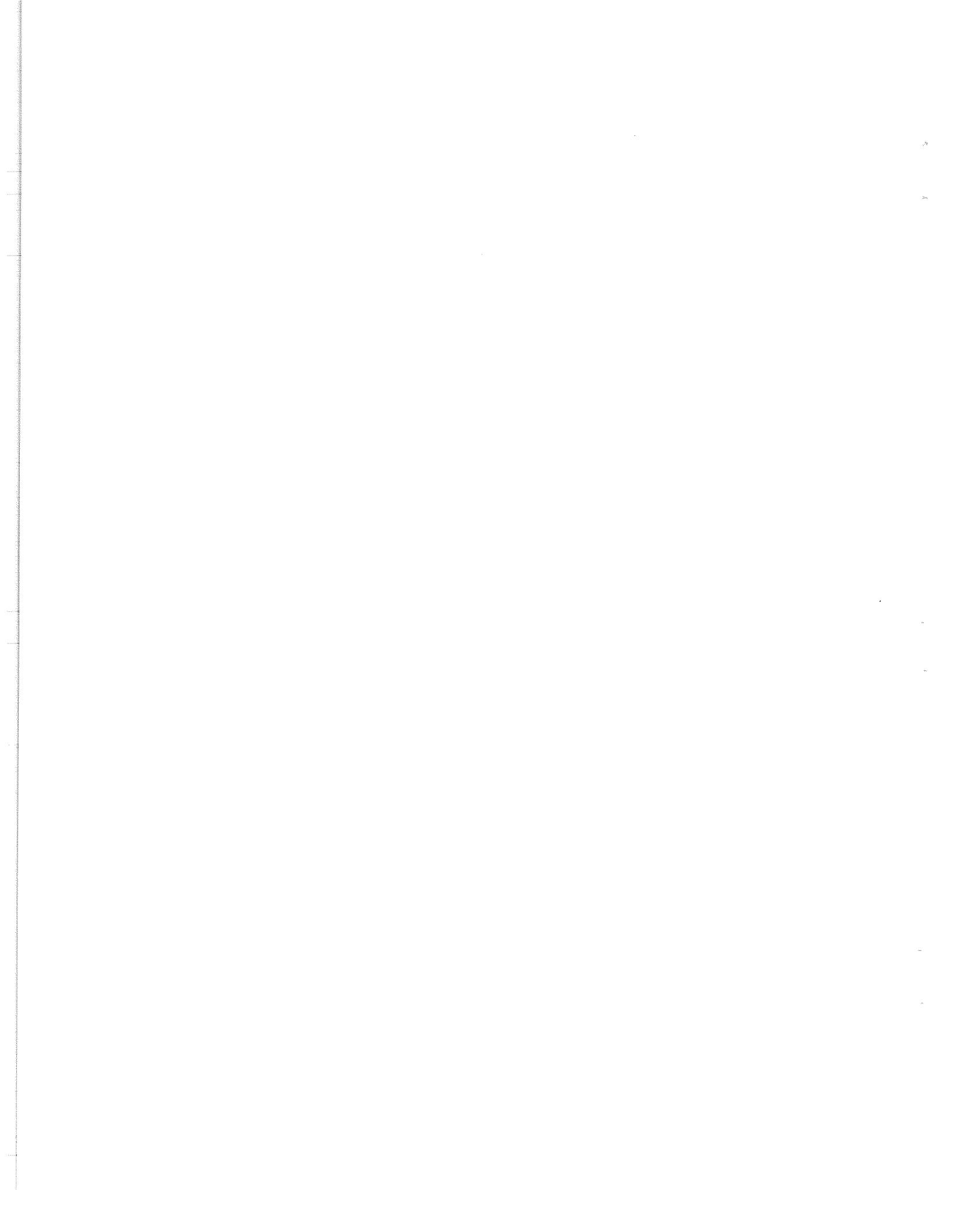


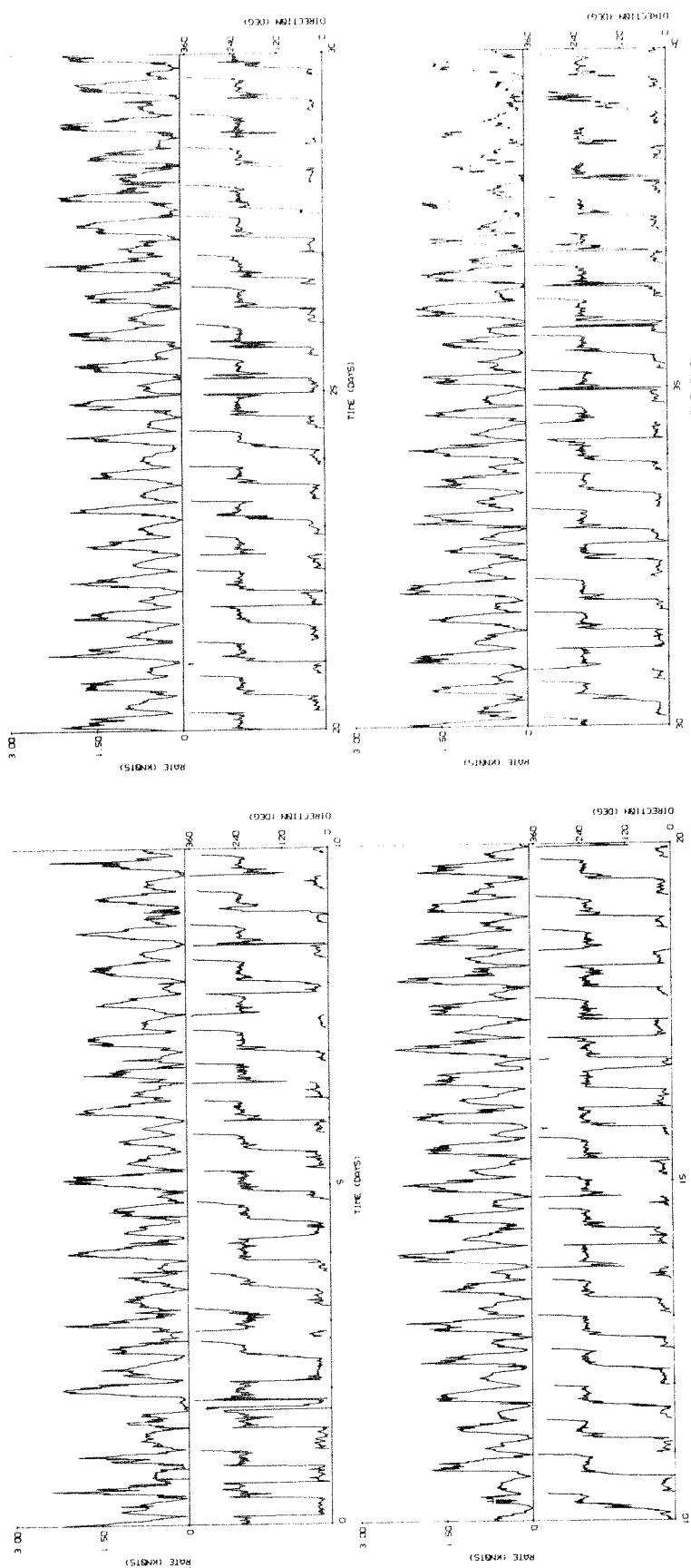
TABLE 26

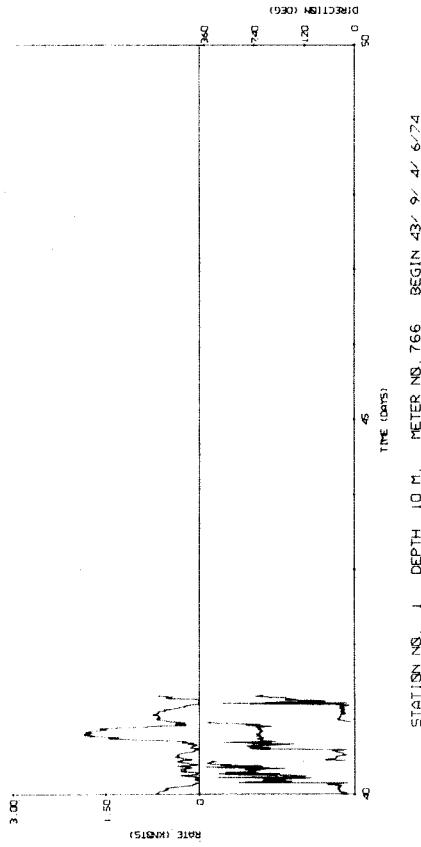
BRAS d'OR - 1974Recording Current Meters

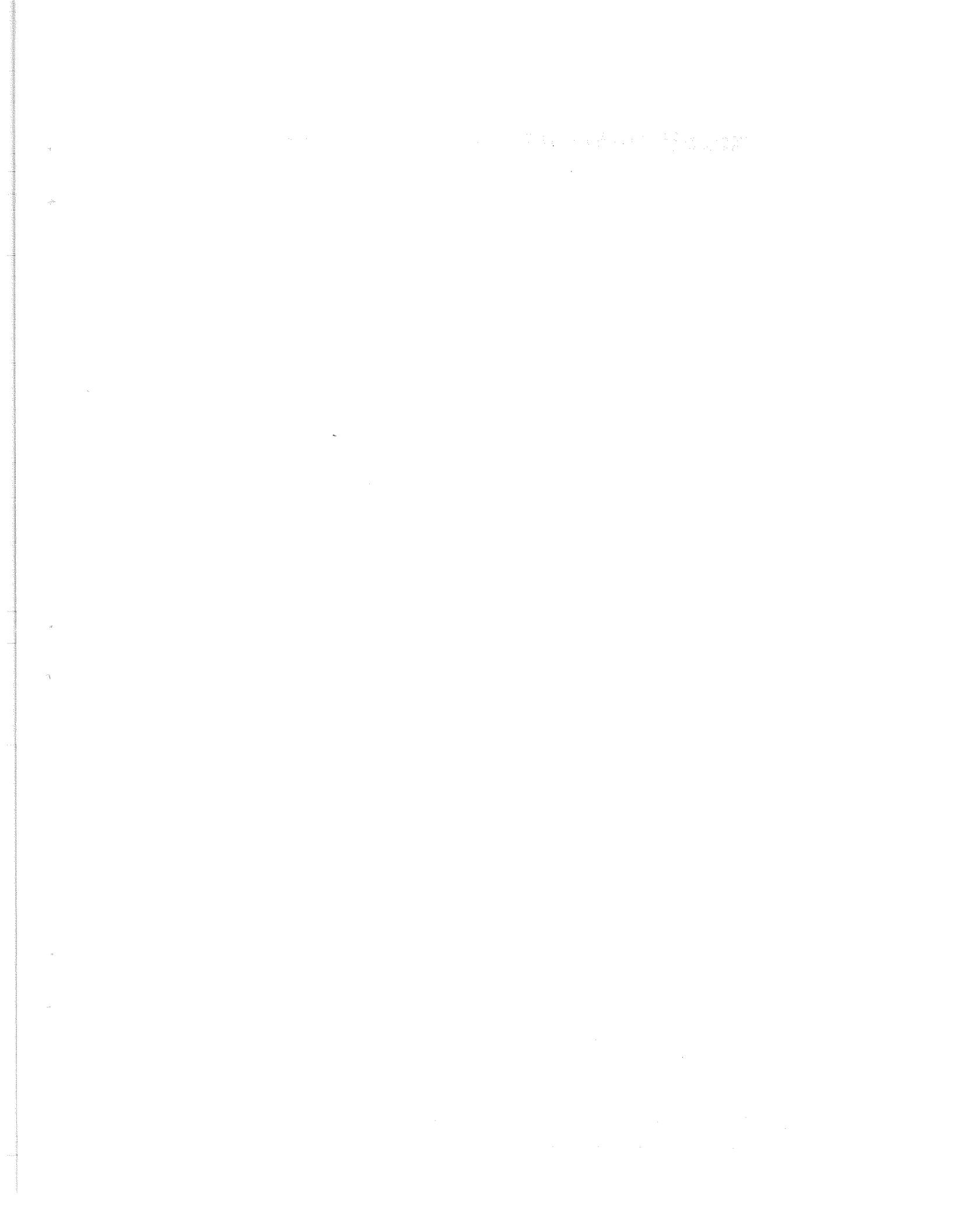
STATION	DEPTH METERS	TYPE	RECORDING INTERVAL MINUTES	START DATE	DURATION DAYS
1	10	Aanderaa RCM4	10	04/06/74	41.3
1	21	Aanderaa RCM4	10	04/06/74	41.3
1	32	Aanderaa RCM4	10	04/06/74	41.0
1	43	Aanderaa RCM4	10	04/06/74	41.3
3	5	Aanderaa RCM4	10	03/06/74	45.7
3	20	Aanderaa RCM5	10	03/06/74	44.1
4	4	Aanderaa RCM5	10	04/06/74	42.0
4	12	Aanderaa RCM4	10	04/06/74	41.9
5	5	Aanderaa RCM4	10	04/06/74	44.7
5	10	Aanderaa RCM4	10	04/06/74	44.7
5	20	Aanderaa RCM4	10	04/06/74	44.7
6	5	Braincon 381	20	05/06/74	42.1
6	15	Braincon 381	20	05/06/74	6.1
6	15	Braincon 381	20	14/07/74	2.8
10	5	Braincon 381	20	05/06/74	41.8
10	15	Braincon 381	20	05/06/74	41.8
11	5	Braincon 381	20	05/06/74	42.8
11	15	Braincon 381	20	05/06/74	42.8
12	5	Aanderaa RCM5	10	03/06/74	41.9
12	13	Aanderaa RCM4	10	03/06/74	41.9
13	5	Aanderaa RCM5	10	03/06/74	41.9

PREDICTION OF ESTIMATED LOSS OF ULTRACLEAN FUELS BY KNTS

PREDICTION OF ESTIMATED LOSS OF ULTRACLEAN FUELS BY KNTS



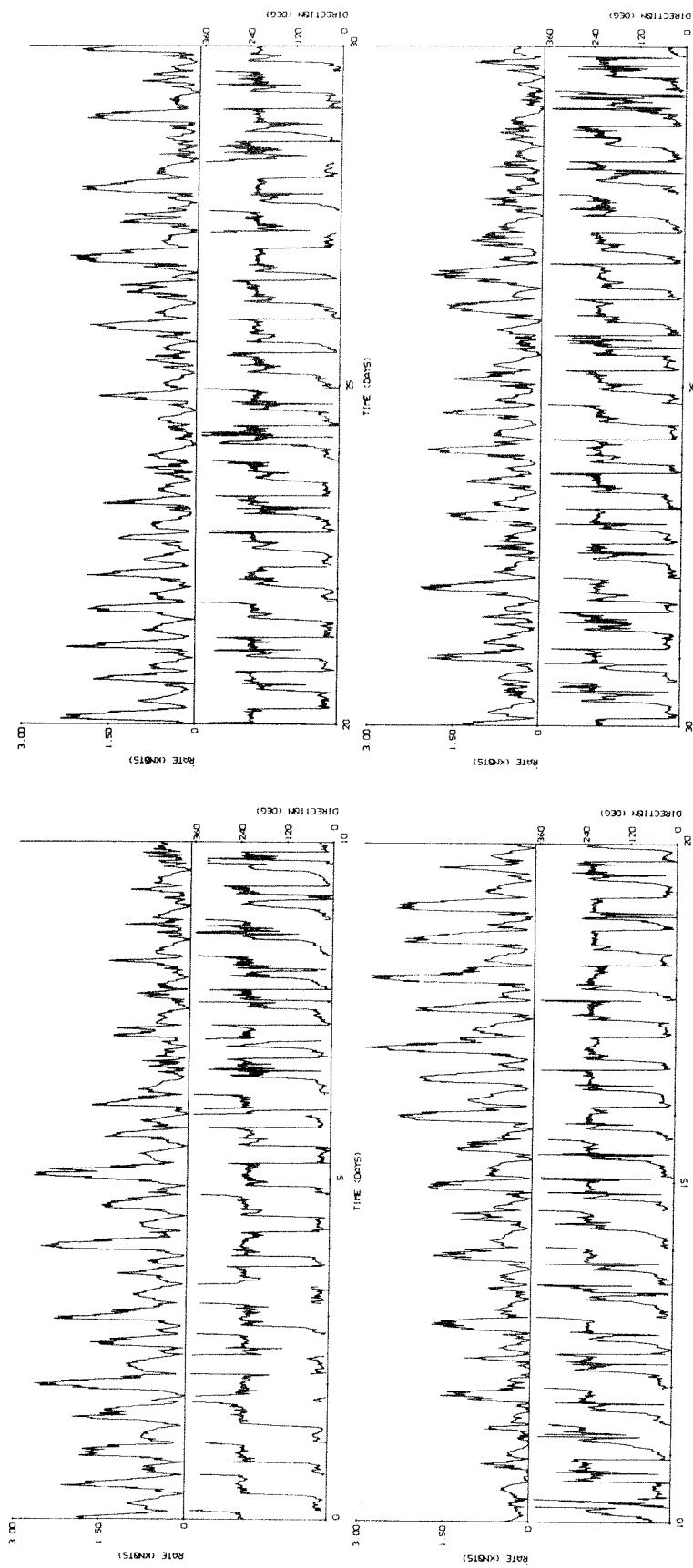




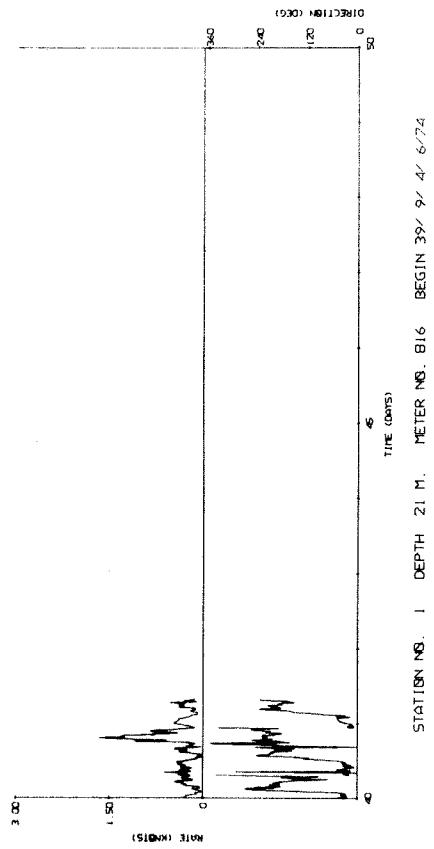
STA 01 DEPTN 21 39 N 69 W 04 D 06 M 0 74 YR

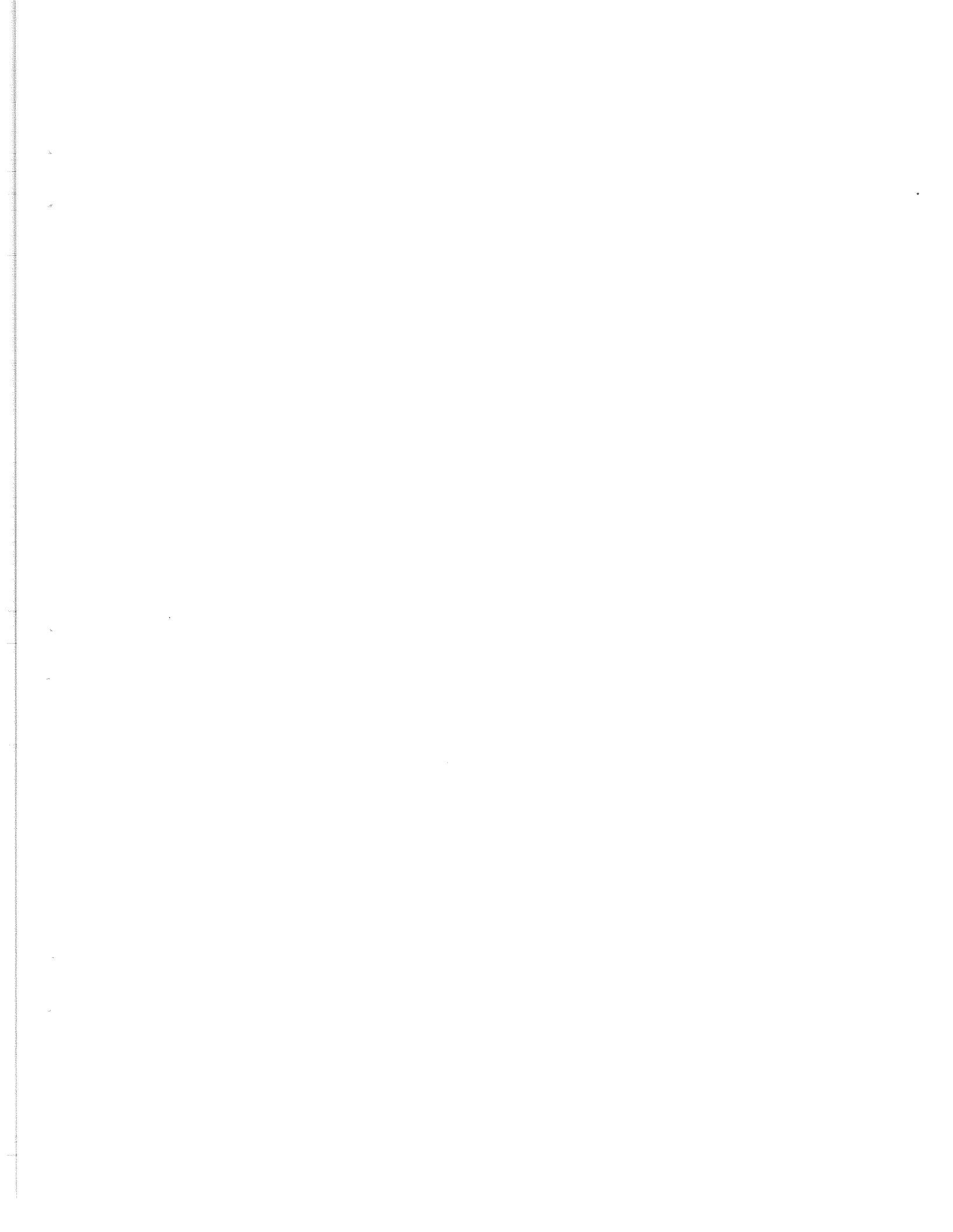
## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

DIR	000-069	070-129	130-189	190-199	200-209	210-219	220-229	230-239	240-249	250-259	260-269	270-279	280-289	290-299	300-309	310-319	320-329	330-339	340-349	350-359	360-369	370-379	380-389	390-399	400-409	410-419	420-429	430-439	440-449	450-459	460-469	470-479	480-489		
019	034	046	043	011	002																														
019-029	031	062	158	057	014	002																													
020-029	041	133	248	158	033	010																													
030-039	054	167	222	142	046	003																													
040-049	035	116	448	034	004	001																													
050-059	046	662	917	901																															
060-069	043	033	063																																
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080-089	030	010																																	
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110-119	041	003	064																																
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130-139	024	003	061	001	001	001																													
140-149	037	065	005	001																															
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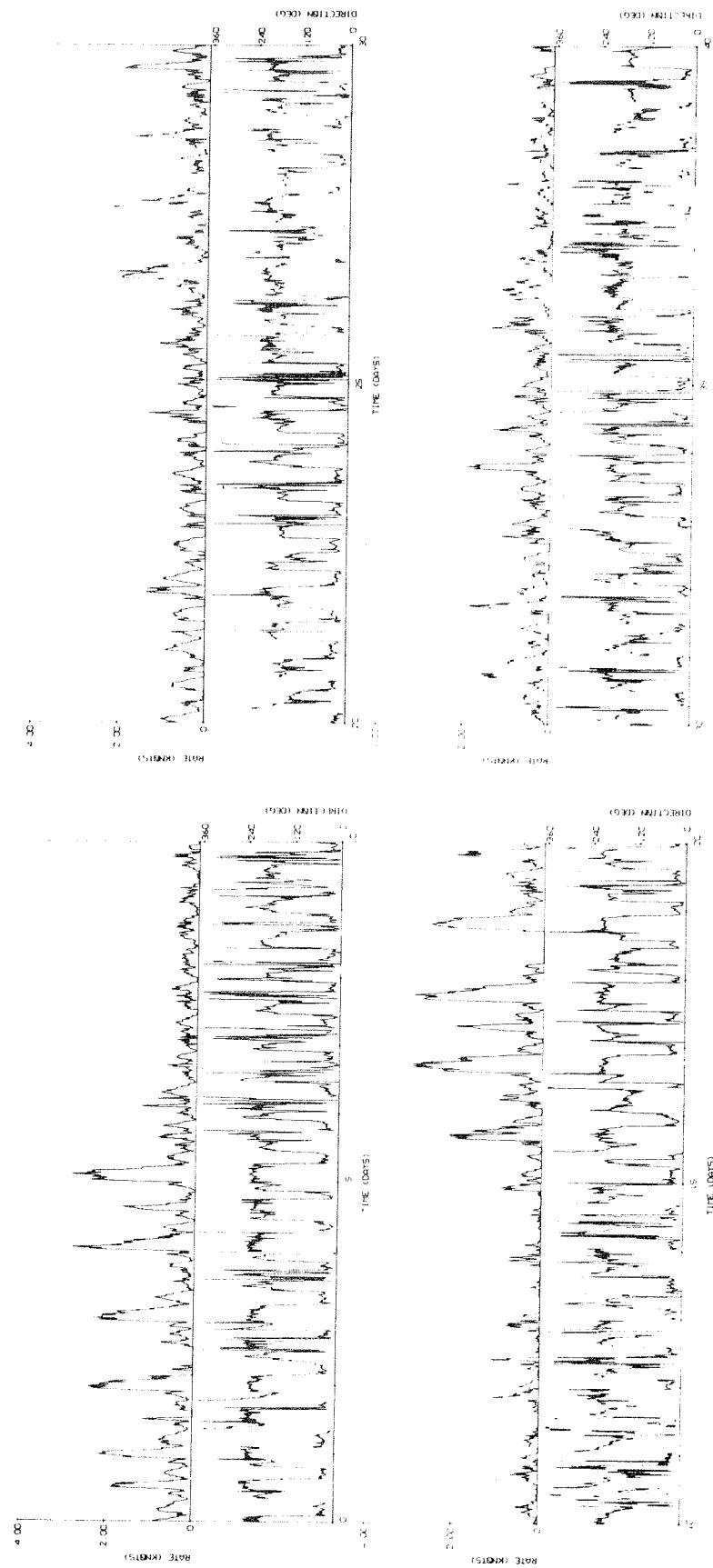


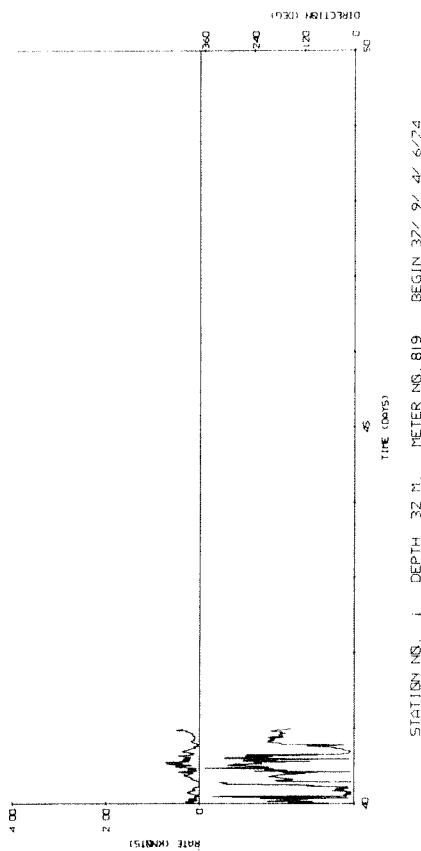
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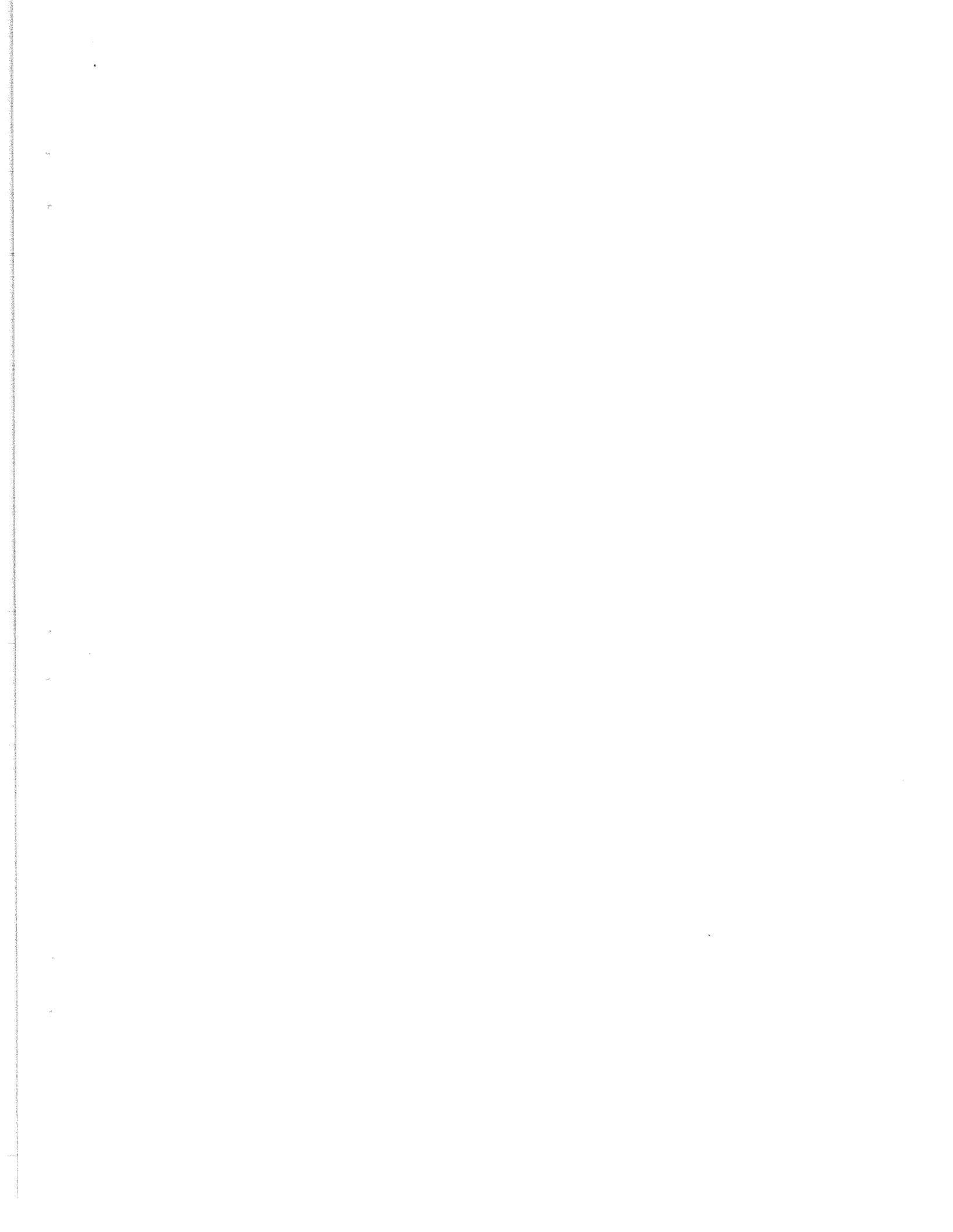




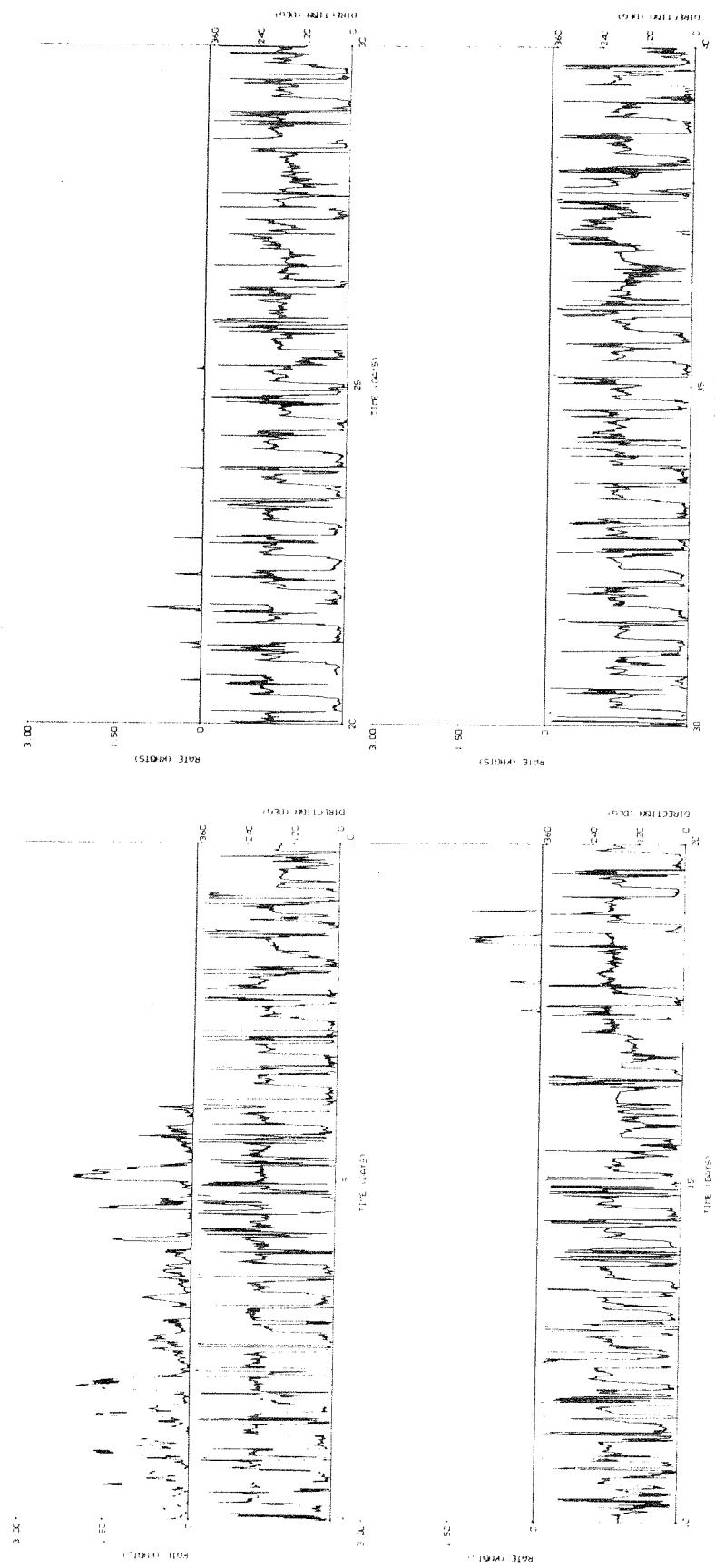
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

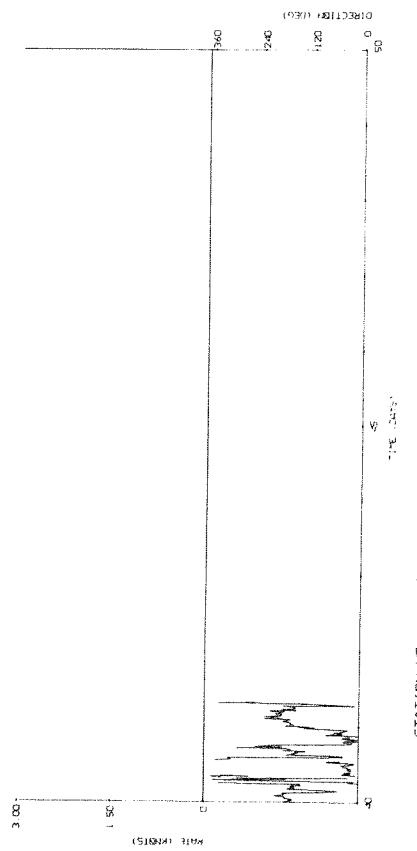


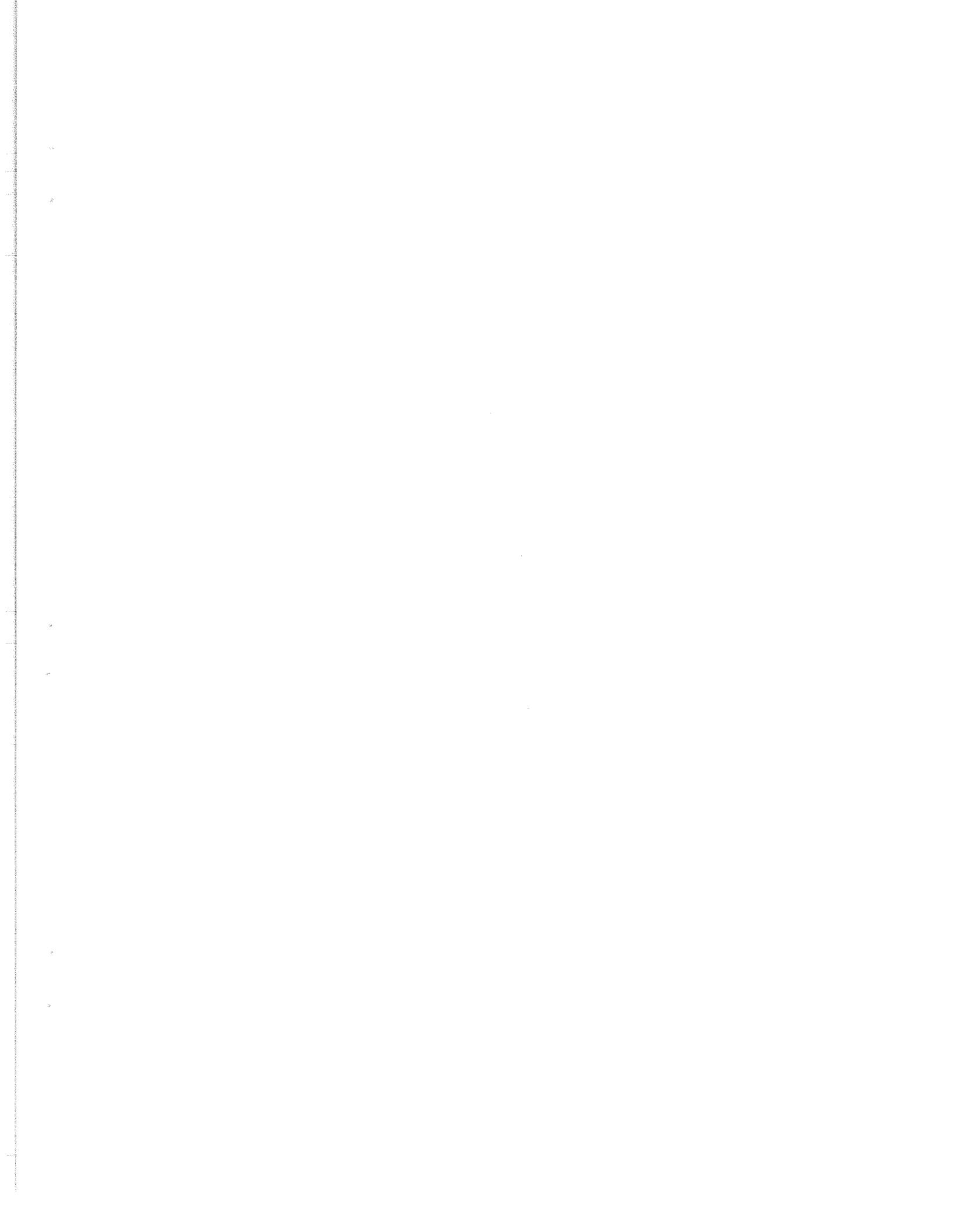




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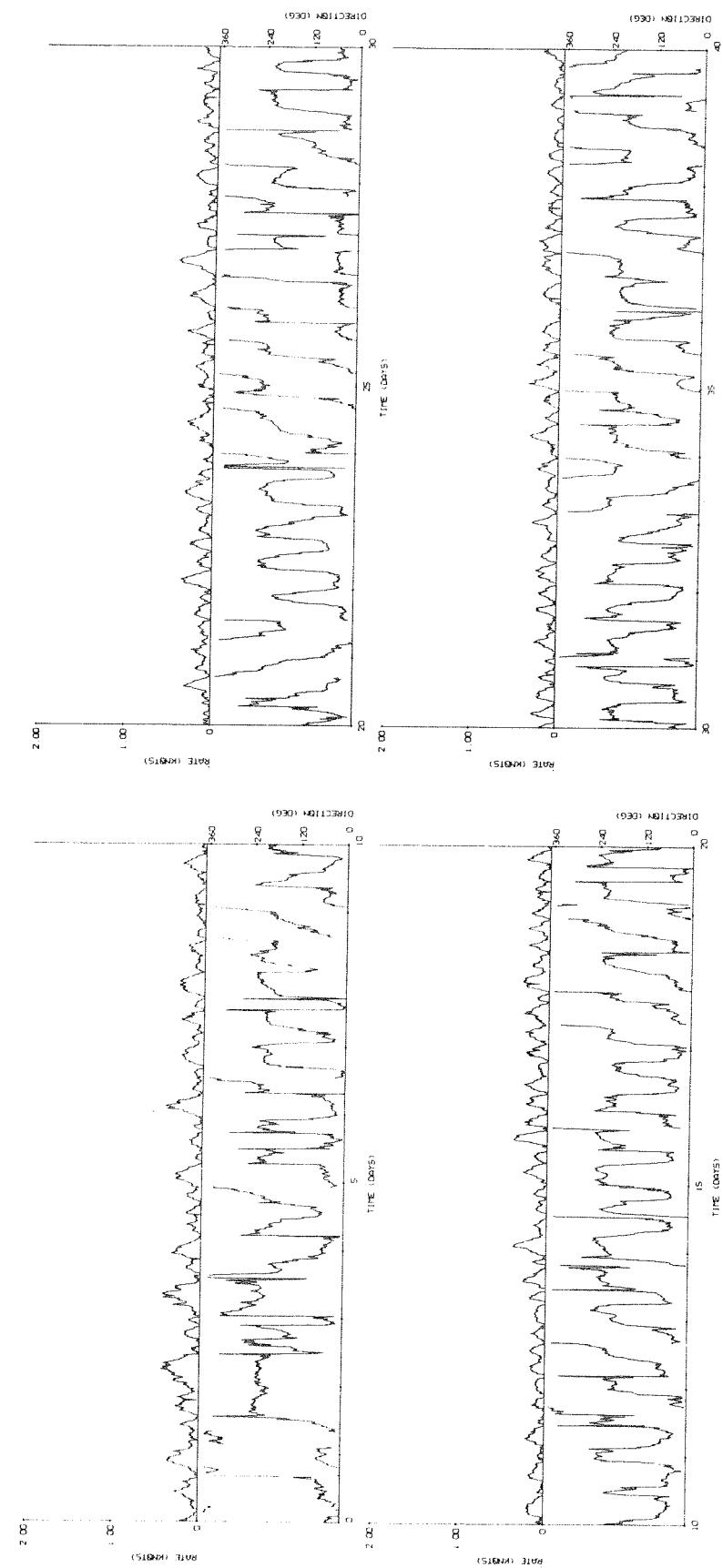


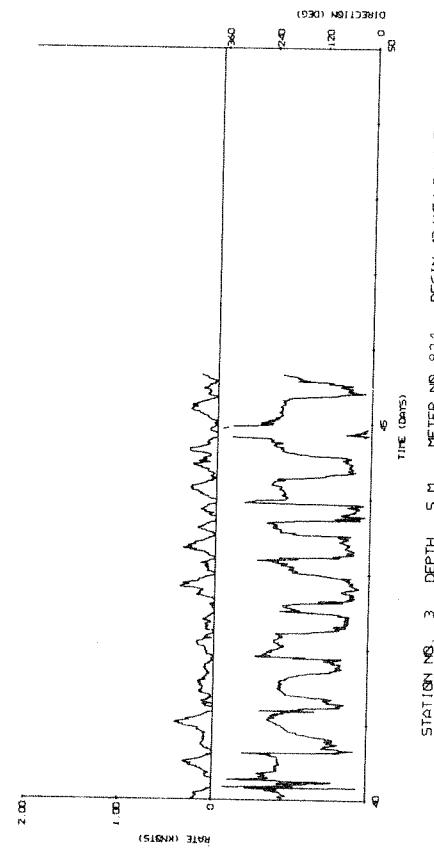


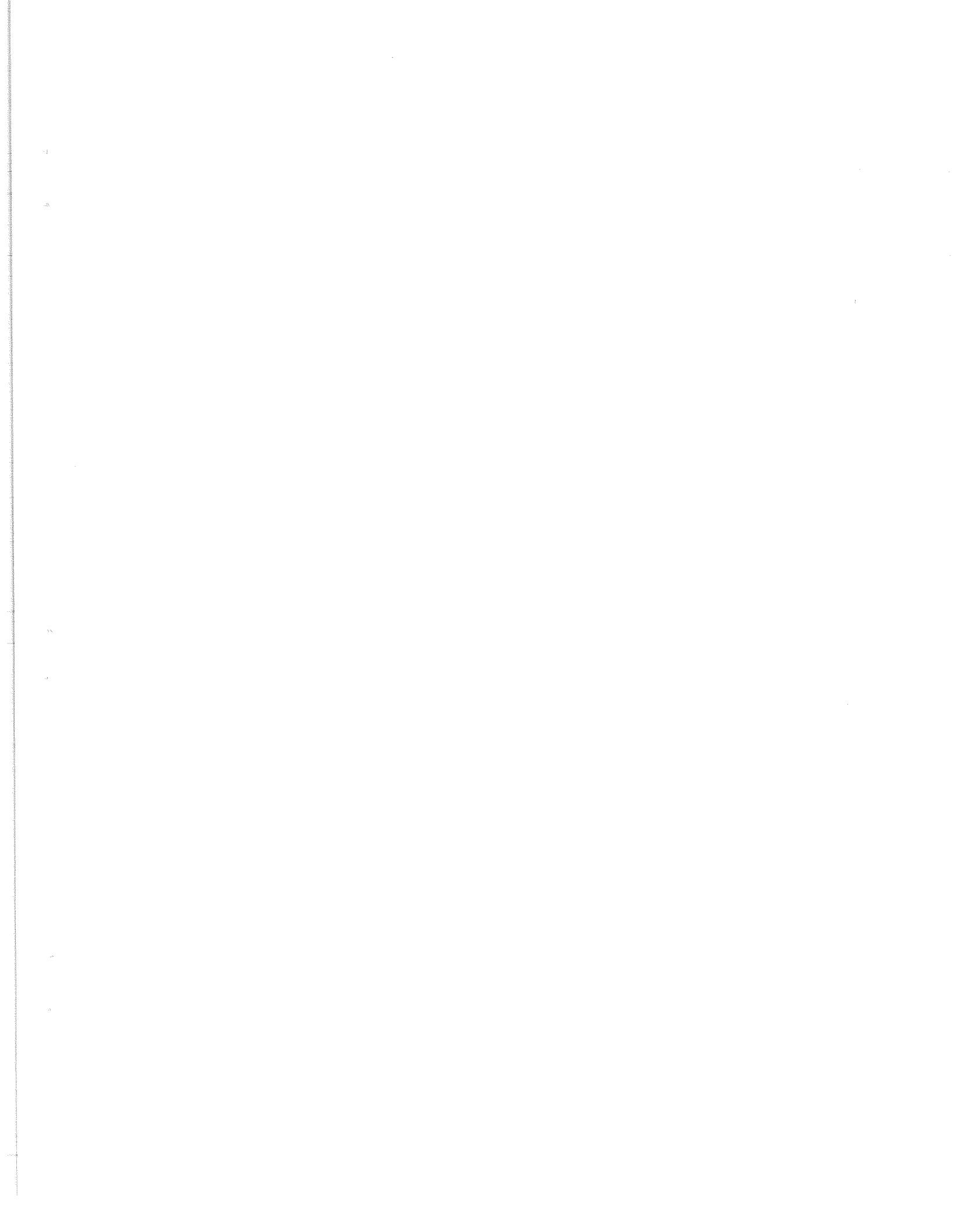
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

STA 03 DEPTH 5 43 MN 15 HR 03 DY 06 NO 74 YB

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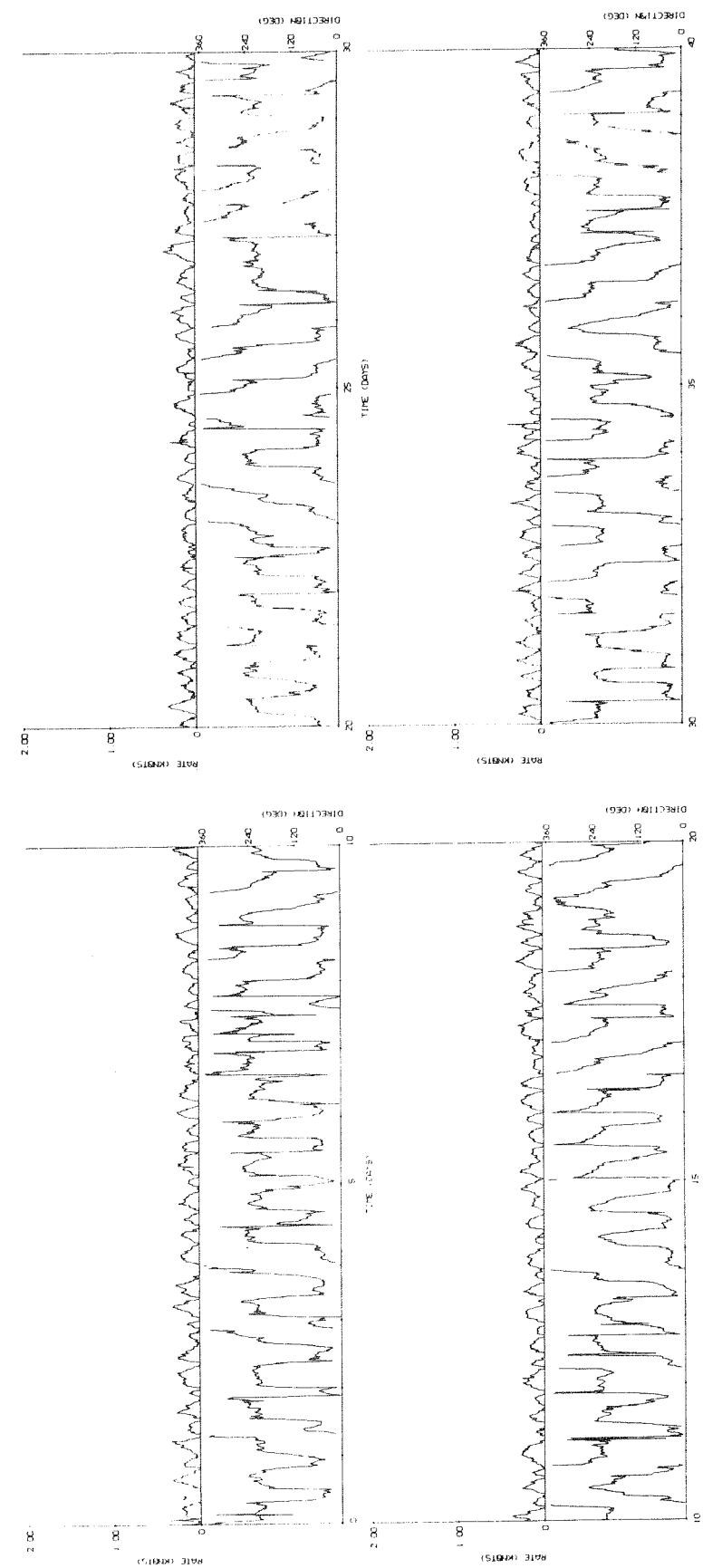


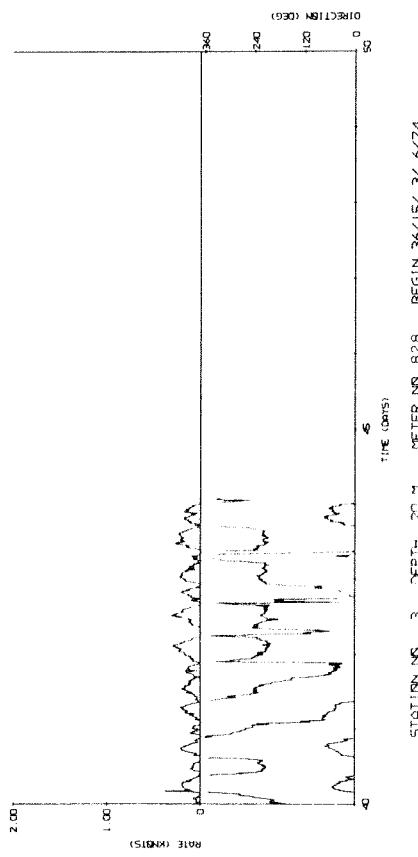


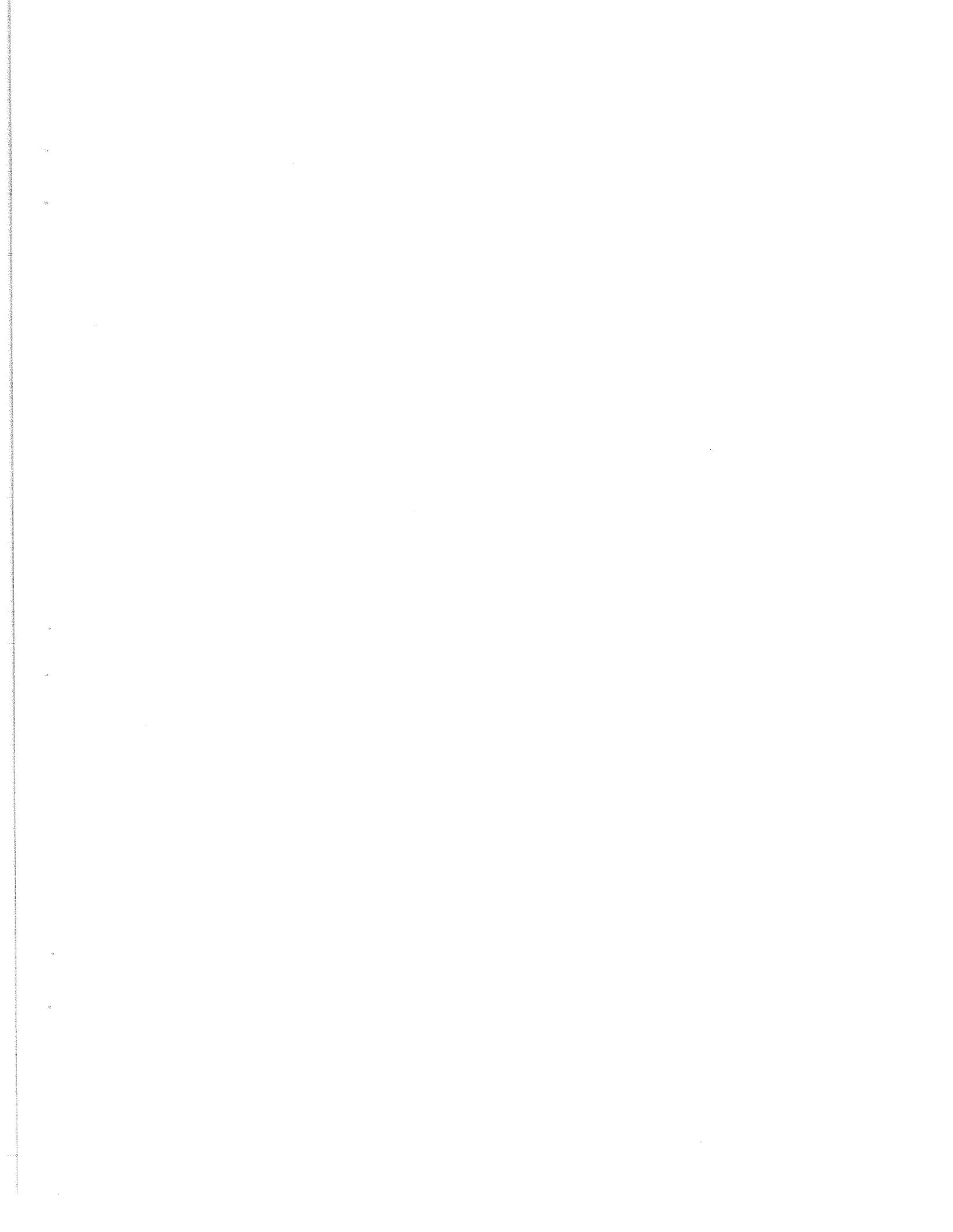
STA 03 DEPTH 20 36 MN 15 HR 03 DY 06 MO 74 YR

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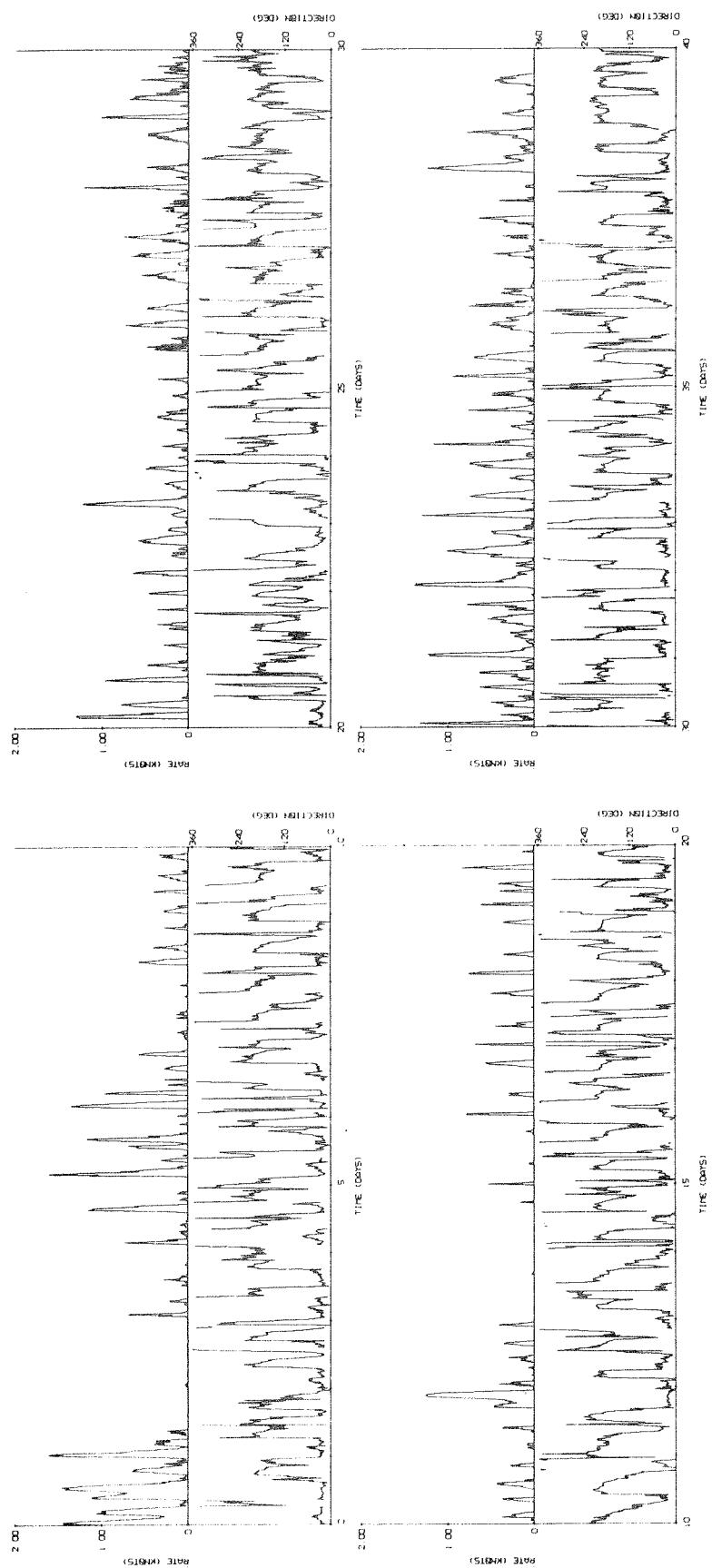


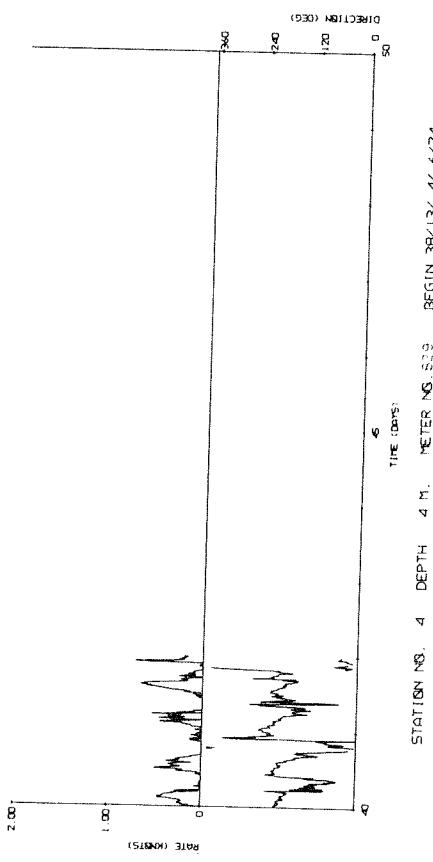


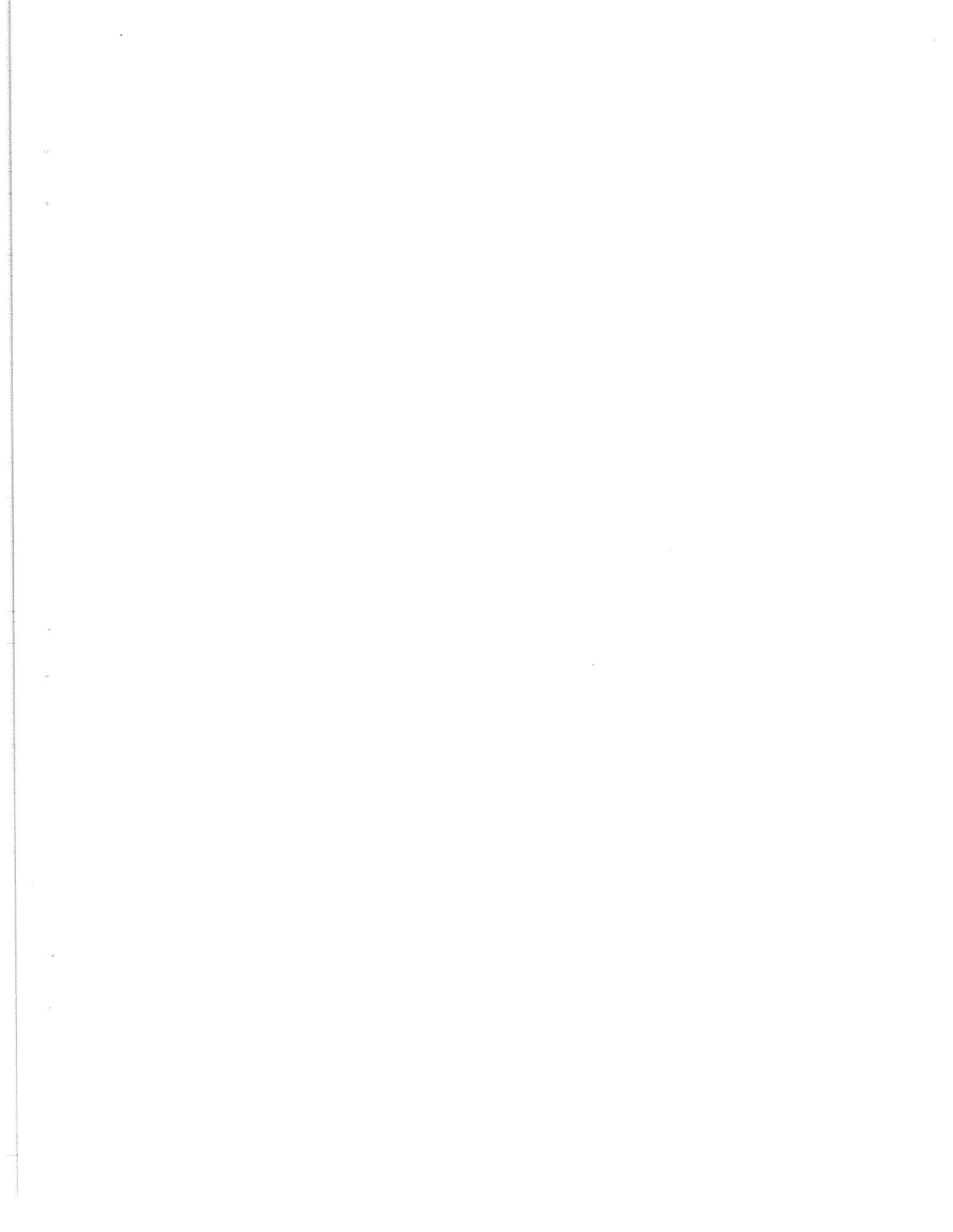


STA 04 DEPTH 4 38 m 13 HR 04 DY 06 MC 74 YR

FREQUENCY DISTRIBUTION OF DISECTION AND BATE KNOTS

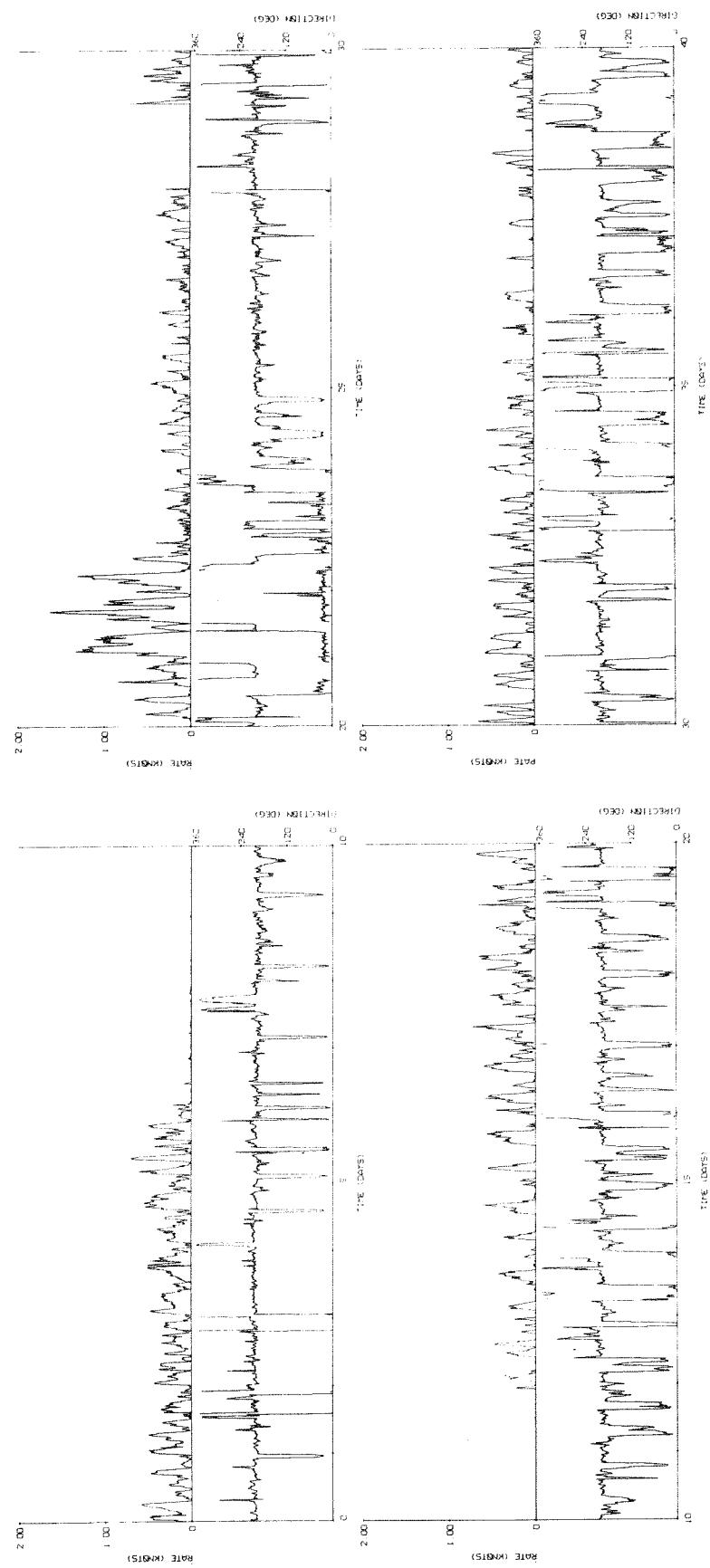


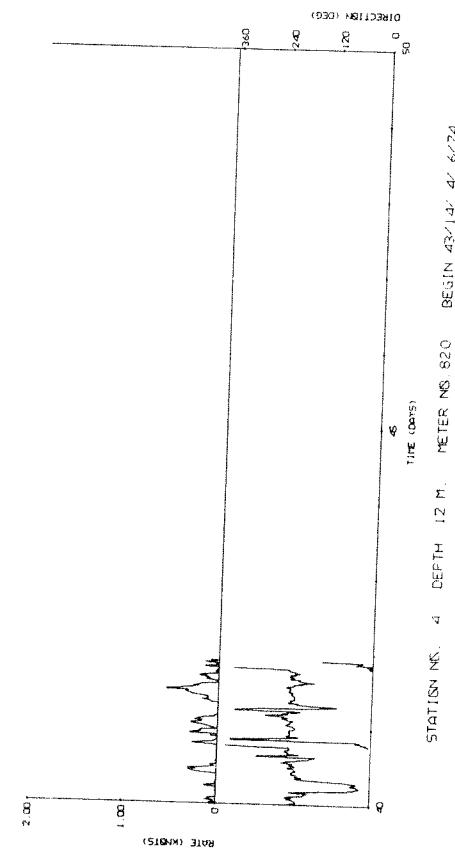


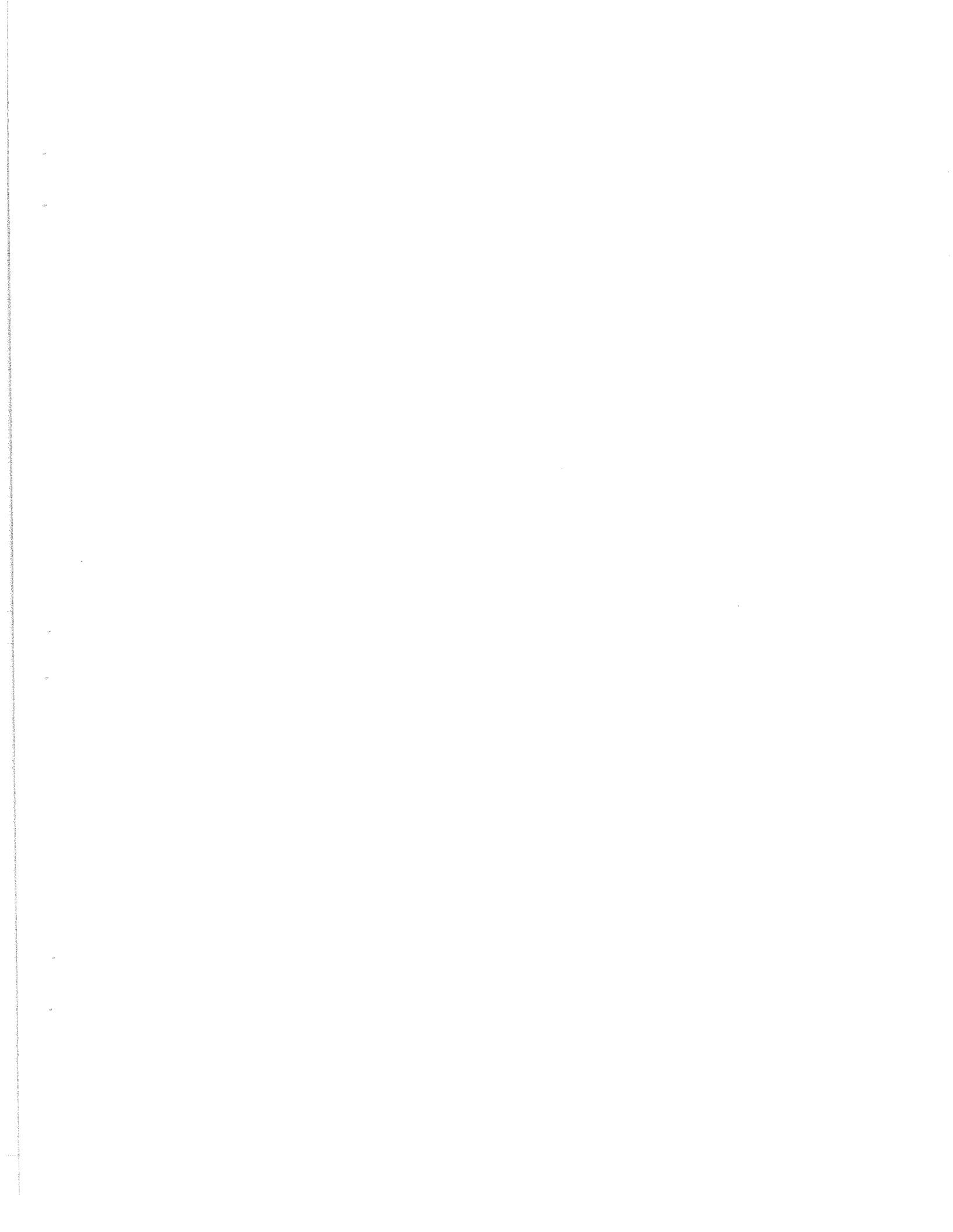


FREQUENCY DISTRIBUTION OF DIRECTION AND RATE  
KNOTS

FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

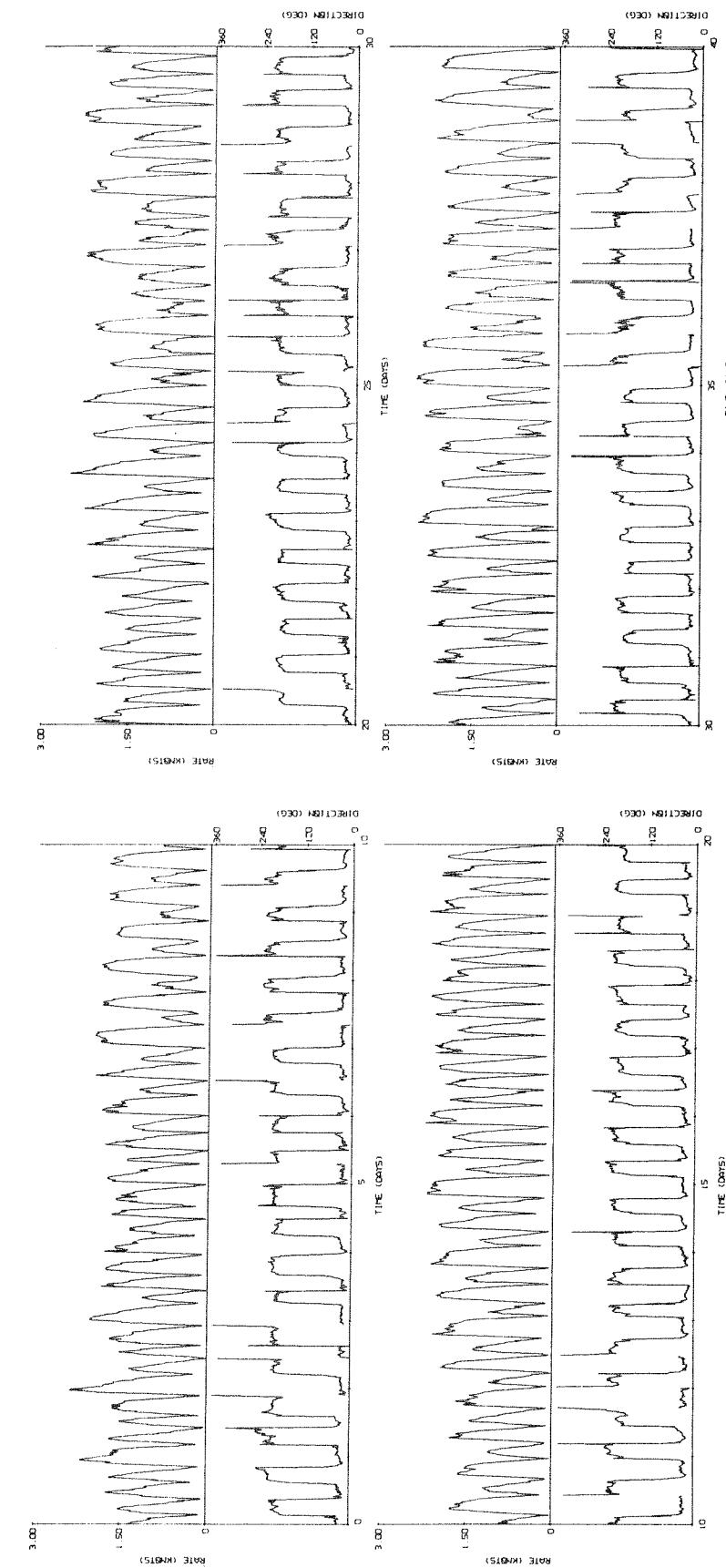


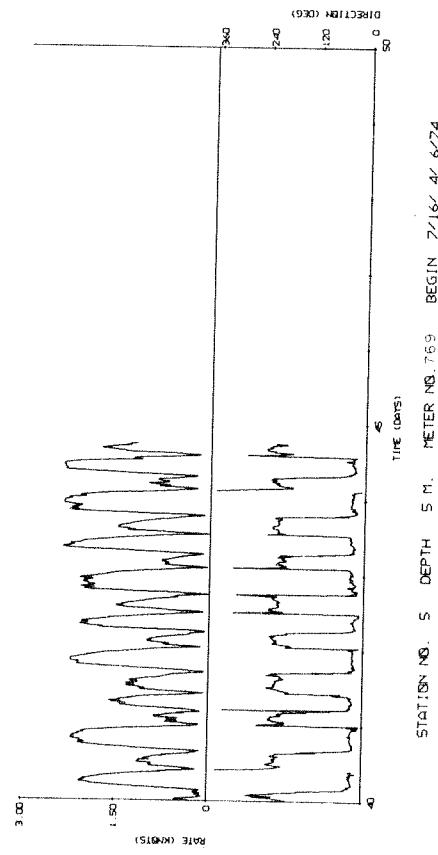




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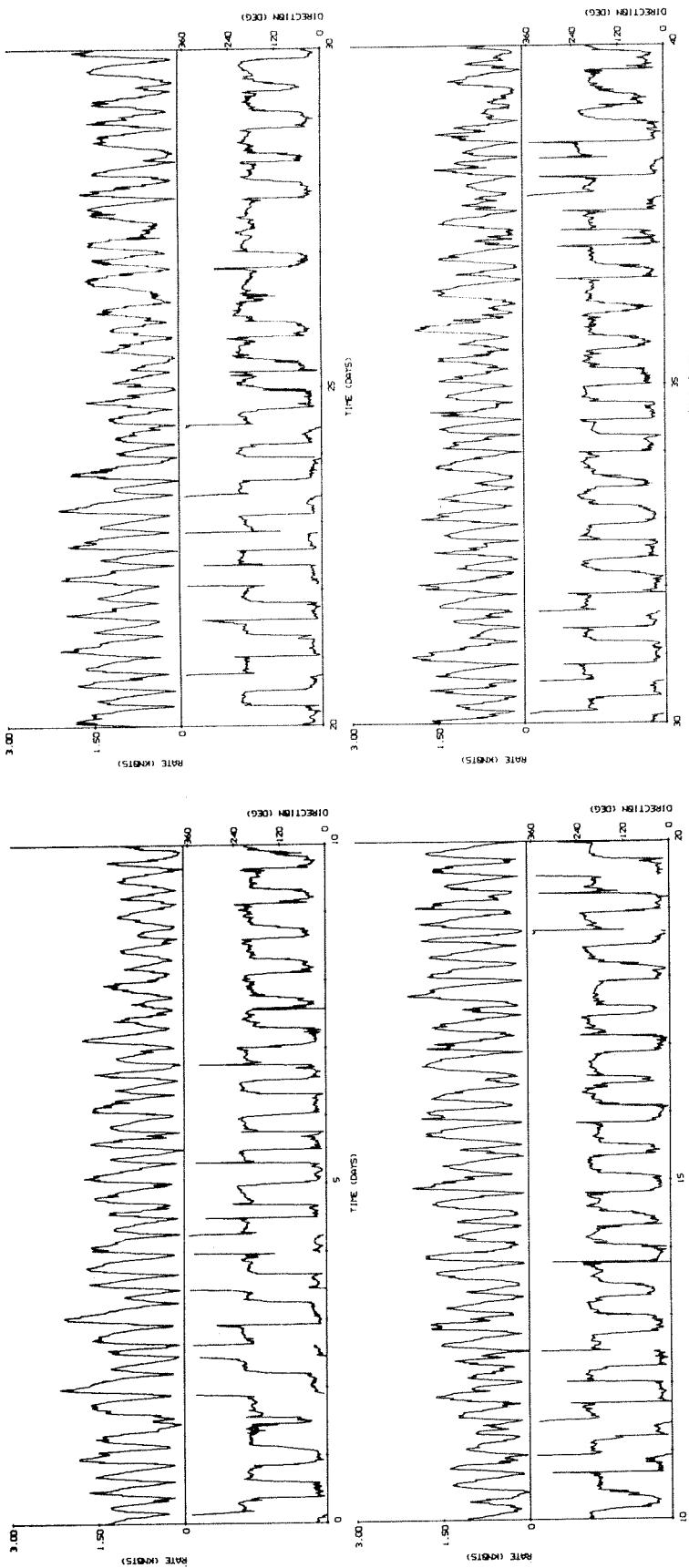




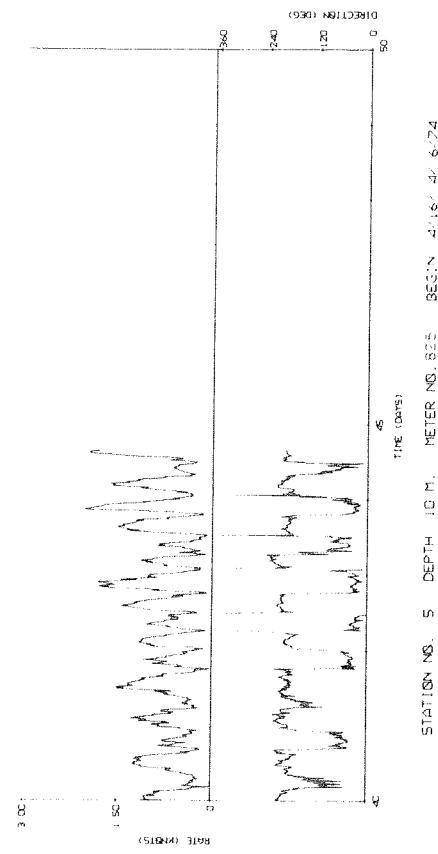


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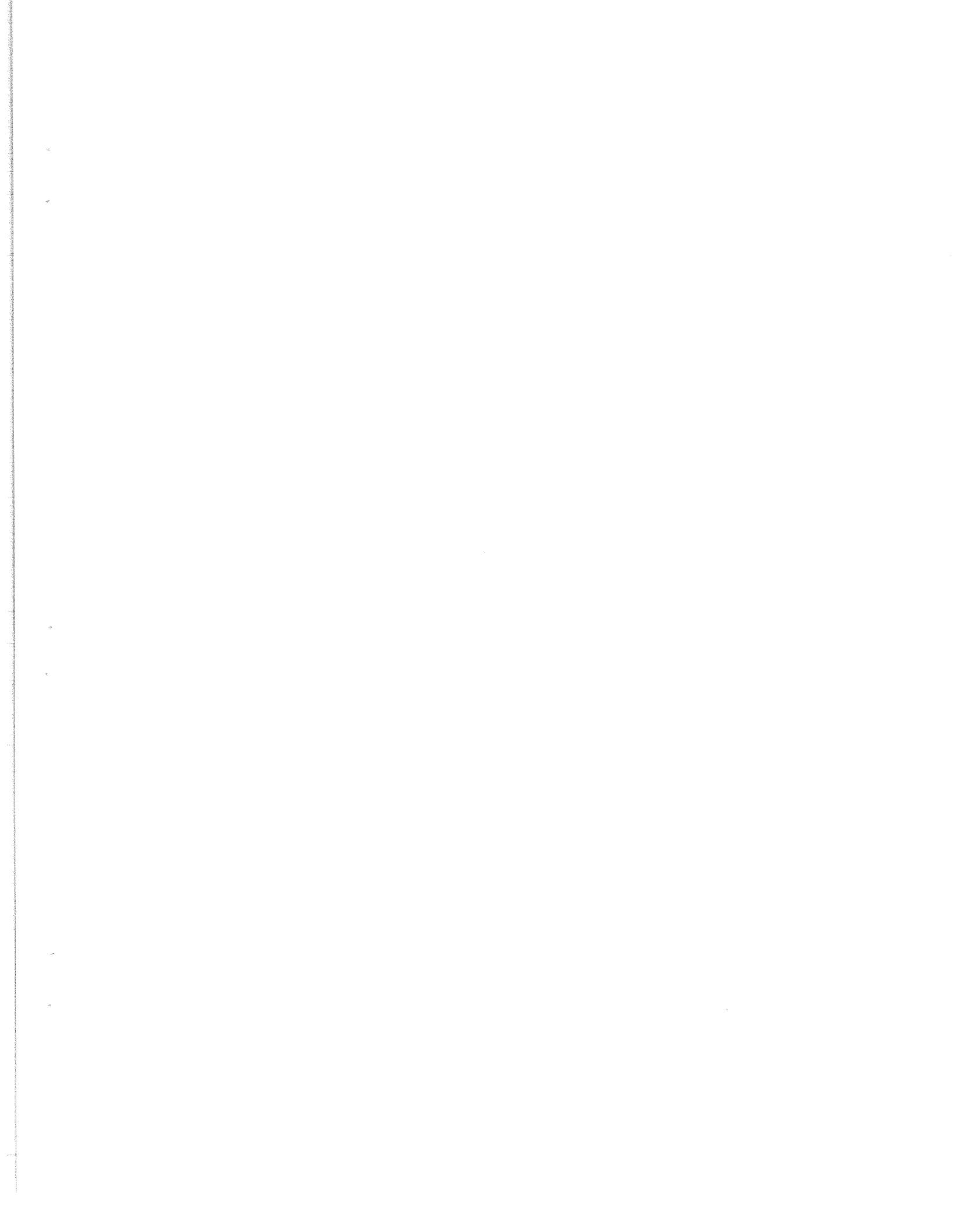
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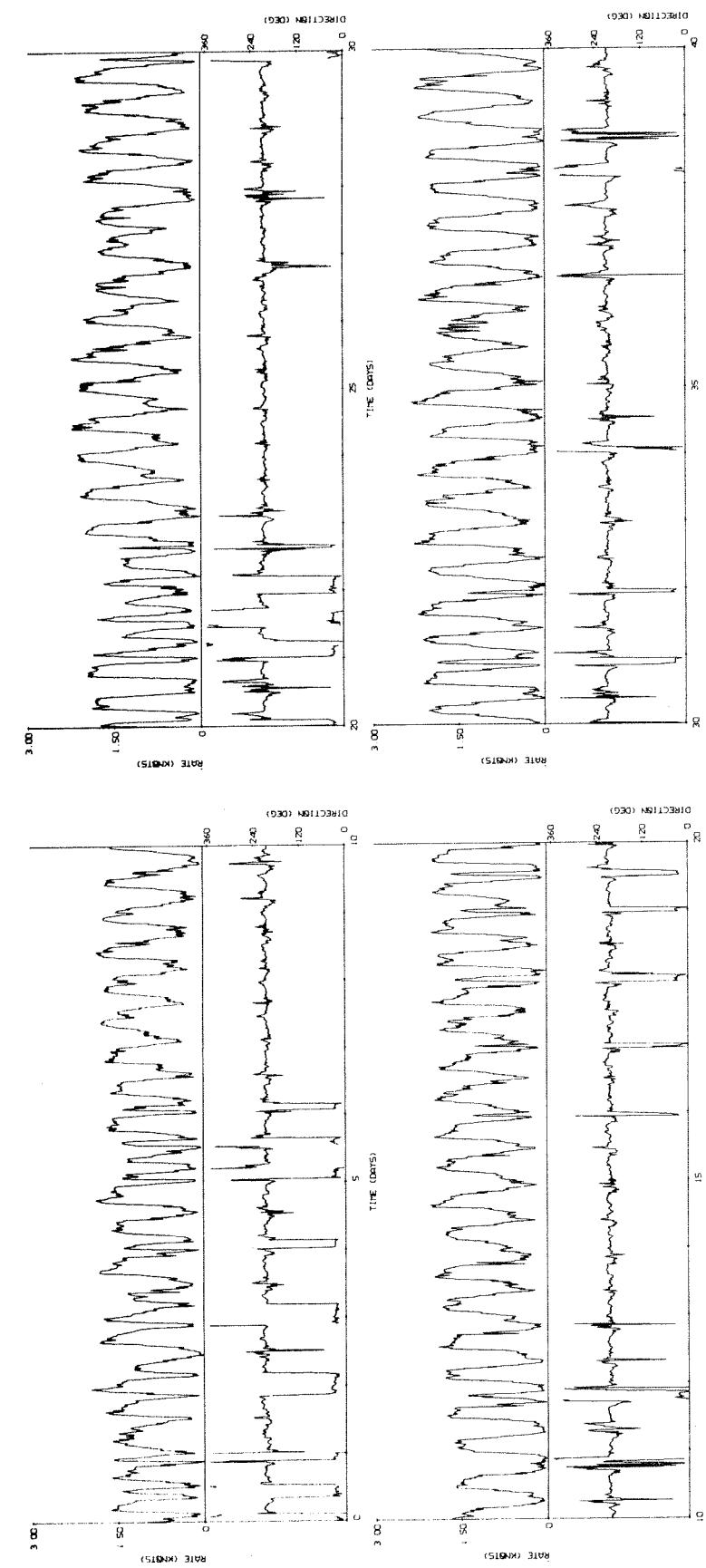
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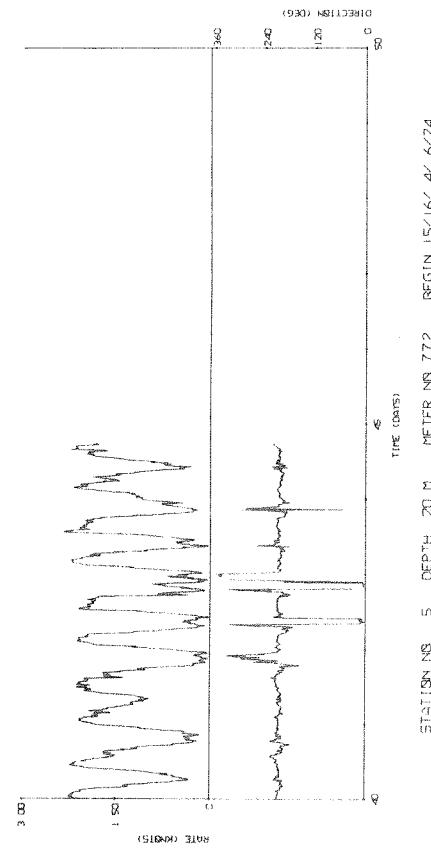
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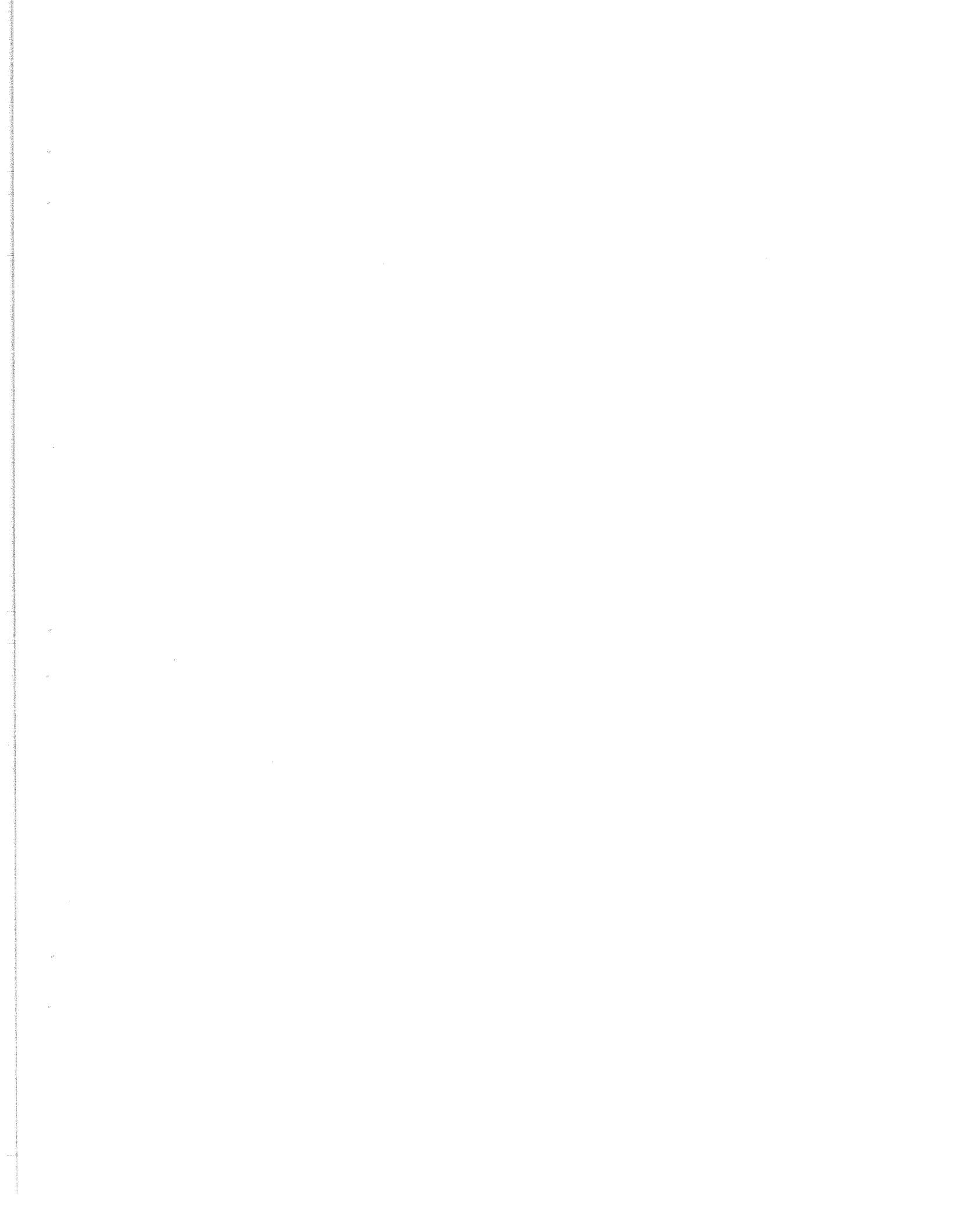


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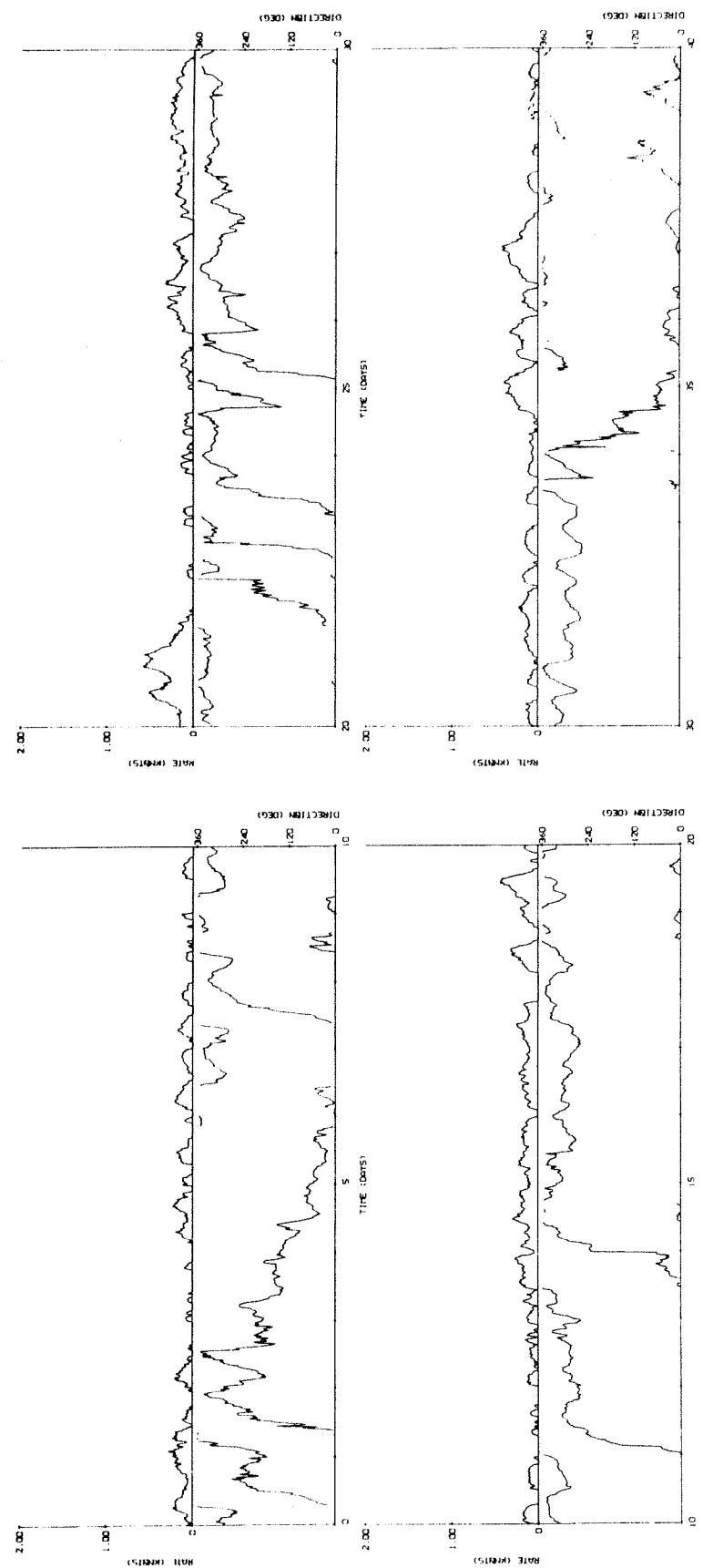


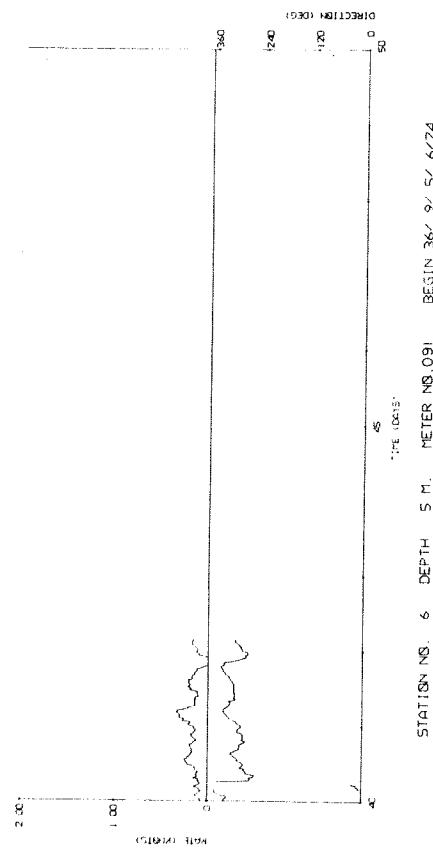
STATION NS. 5 DEPTH 20 M. METER NS. 772 BEGIN 15:16:41 6/74

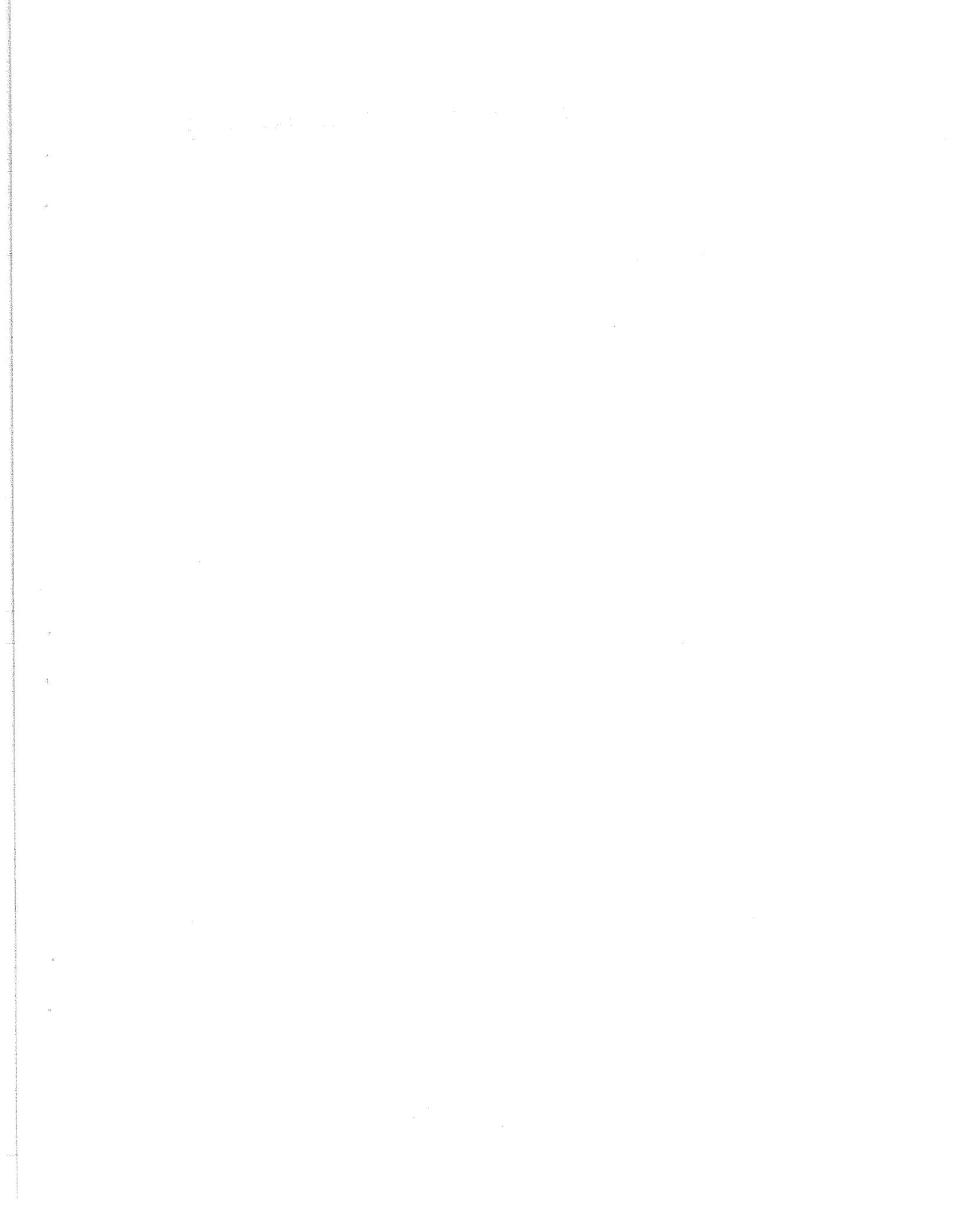




FREQUENCY DISTRIBUTION OF DIRECTION AND RATE  
STA 06 DEPTH 5 36 HR 09 MR 05 DY 06 MO 74 YR KNOTS

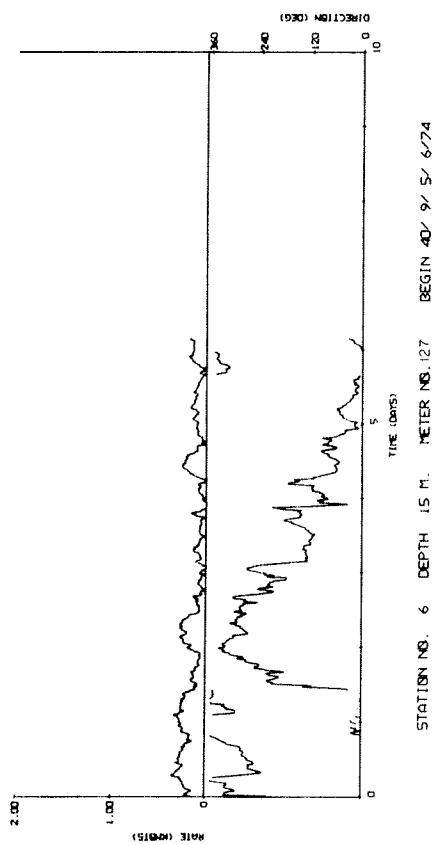






FREQUENCY DISTRIBUTION OF DIRECTION AND RATE  
KNOTS

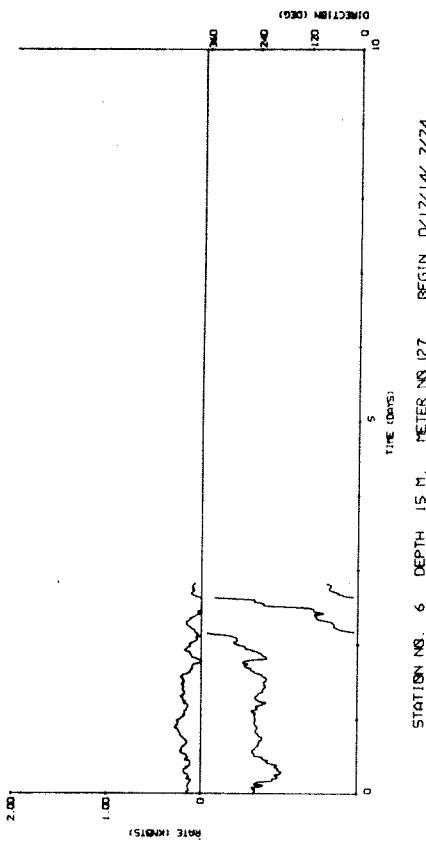
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS



STA 06 DEPTH 15 00 MN 17 HIR 14 DY 07 MO 74 YR  
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

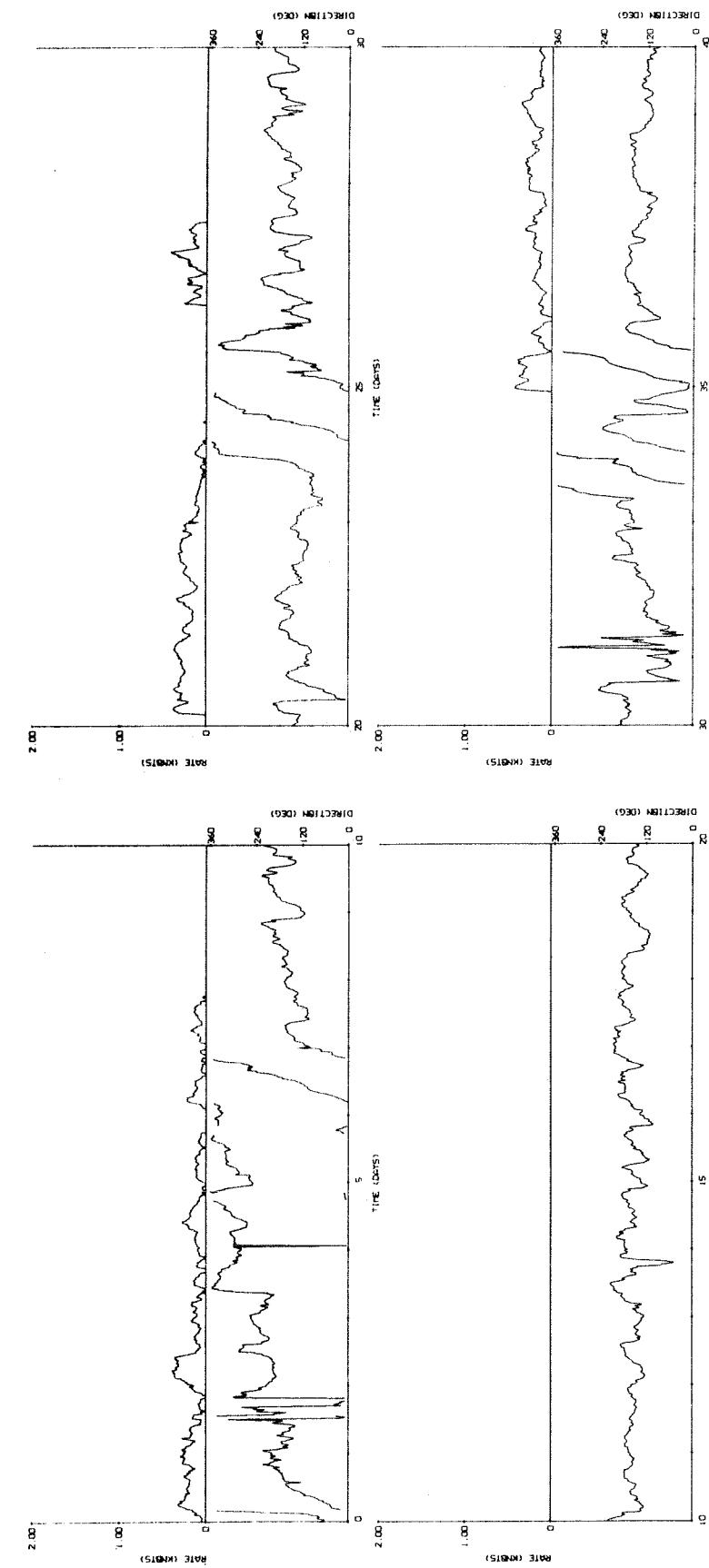
FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

	0.0	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
T0	TC																							
OIR	0.09	0.19	0.29	0.39	0.44	0.59	0.69	0.79	0.89	0.99	1.09	1.19	1.29	1.39	1.49	1.54	1.69	1.79	1.89	1.99	2.09	2.19	2.29	2.39

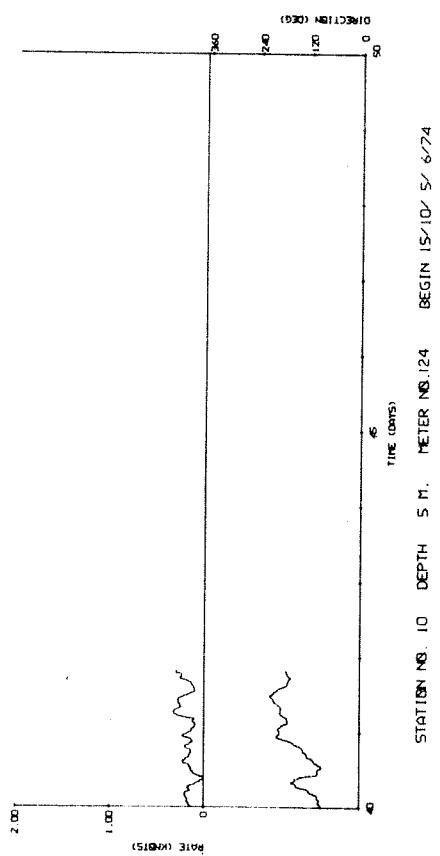


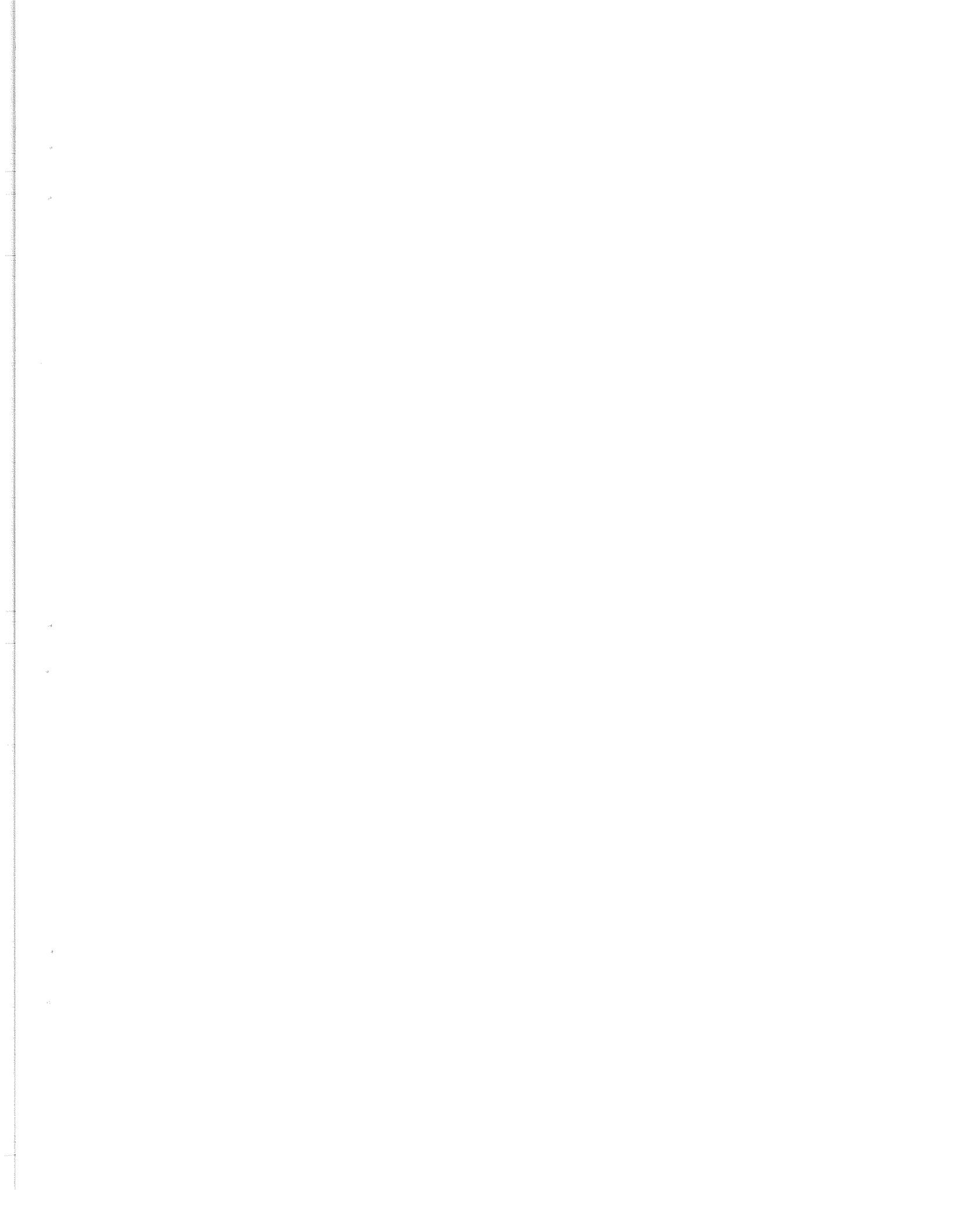
STATION NO. 6 DEPTH 15 M. METER NO. 127 BEGIN 017147 7/74



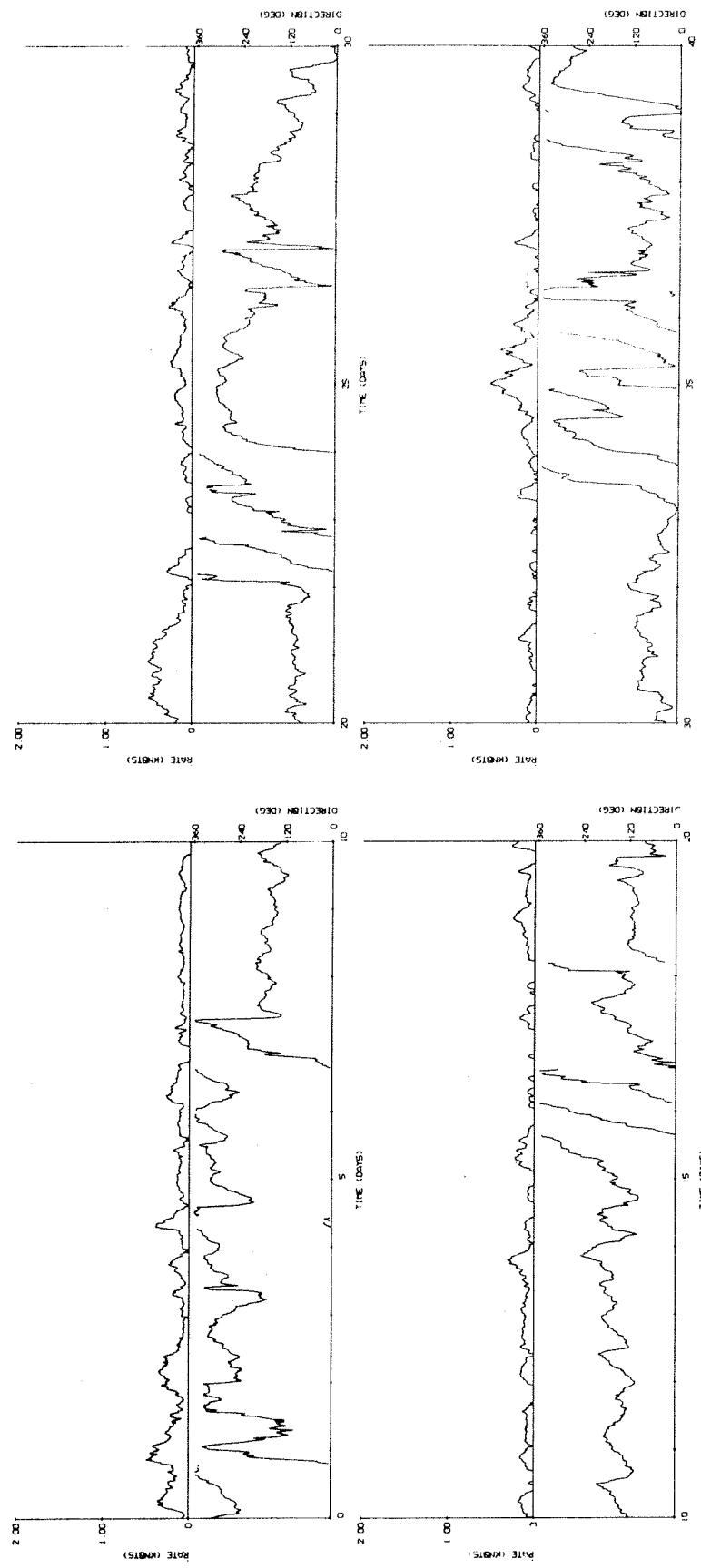


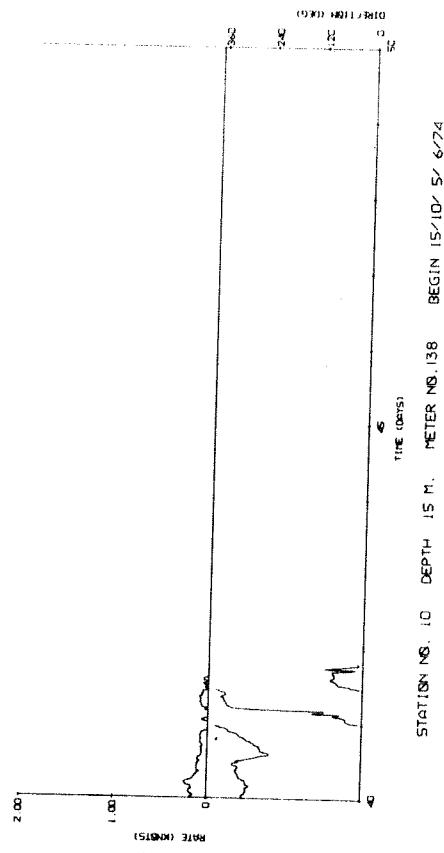
STATION NO. 10 DEPTH 5 M. METER NO. 124 BEGIN 15/10/74 6/74





STA 10 DEPTH 15 AN 10 HR 05 UY 06 MO 74 YR FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNOTS

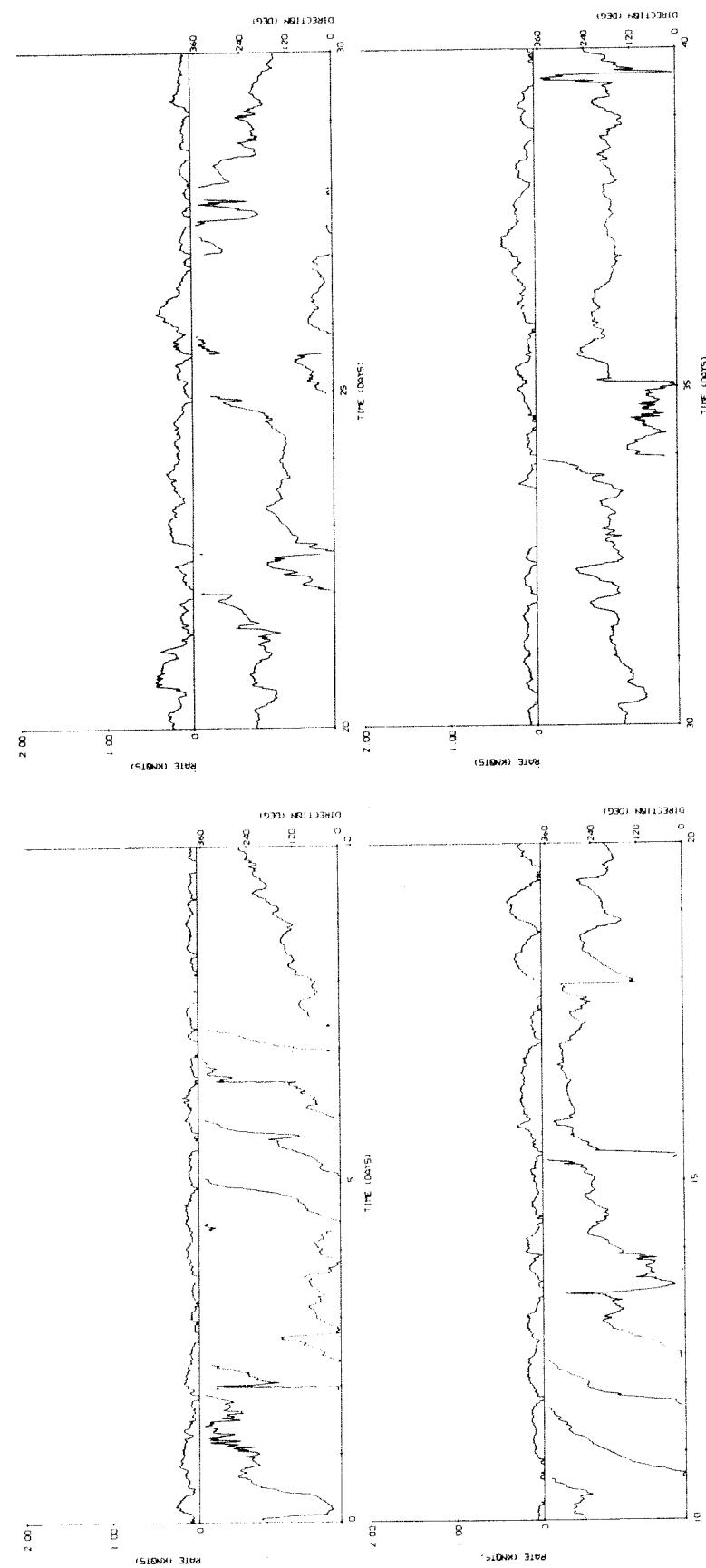


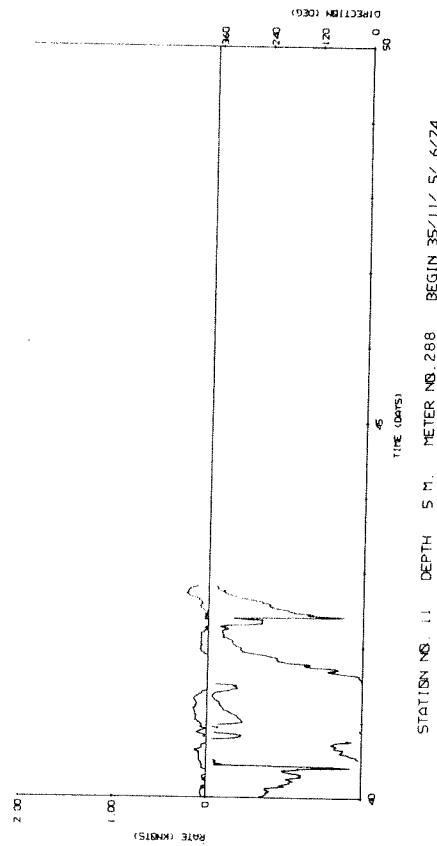


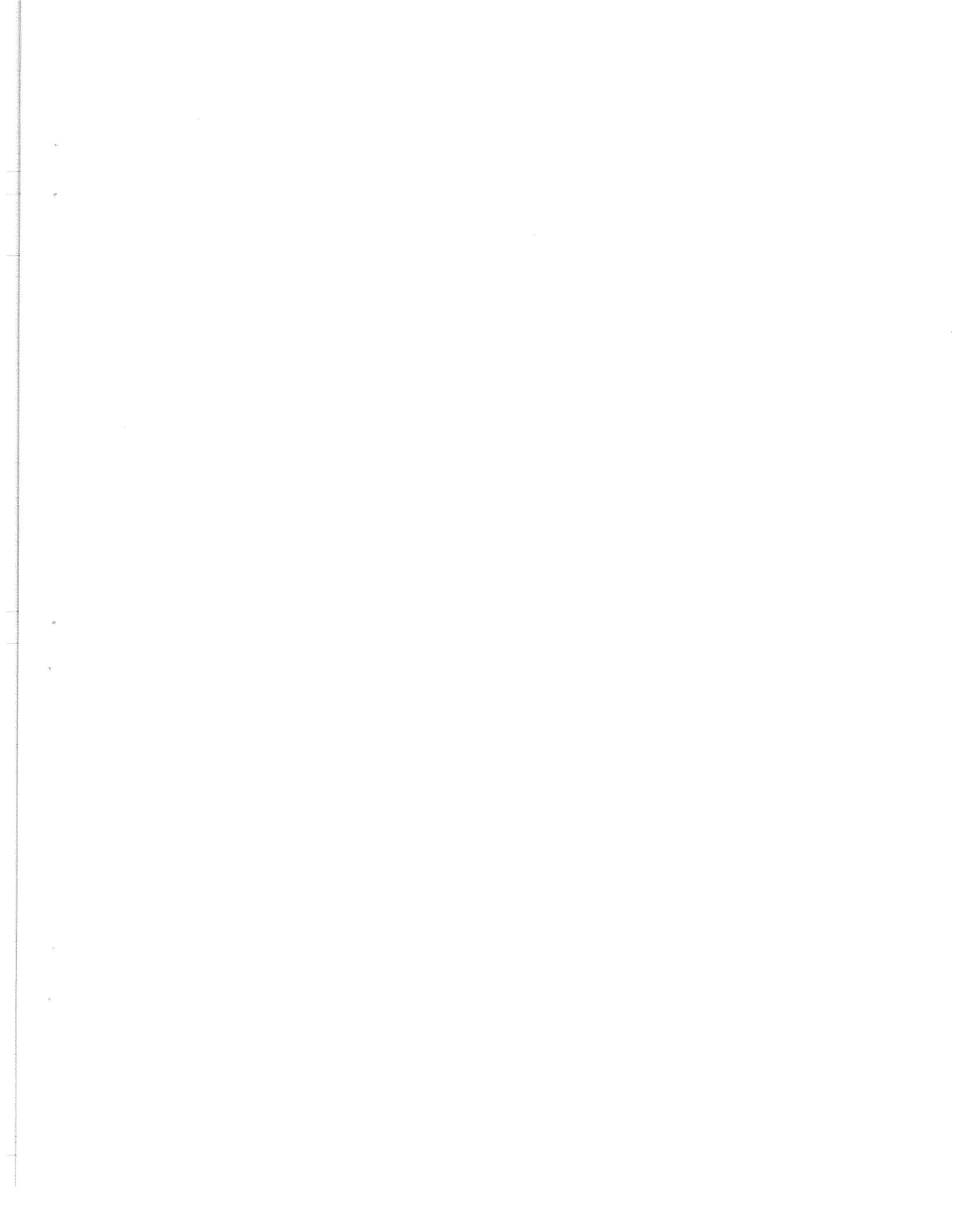


TA 11 DEPTH 5 35 MN 11 HR 05 0Y 06 MU 74 YR

## FREQUENCY DISTRIBUTION OF DIRECTION AND RATE KNCTS

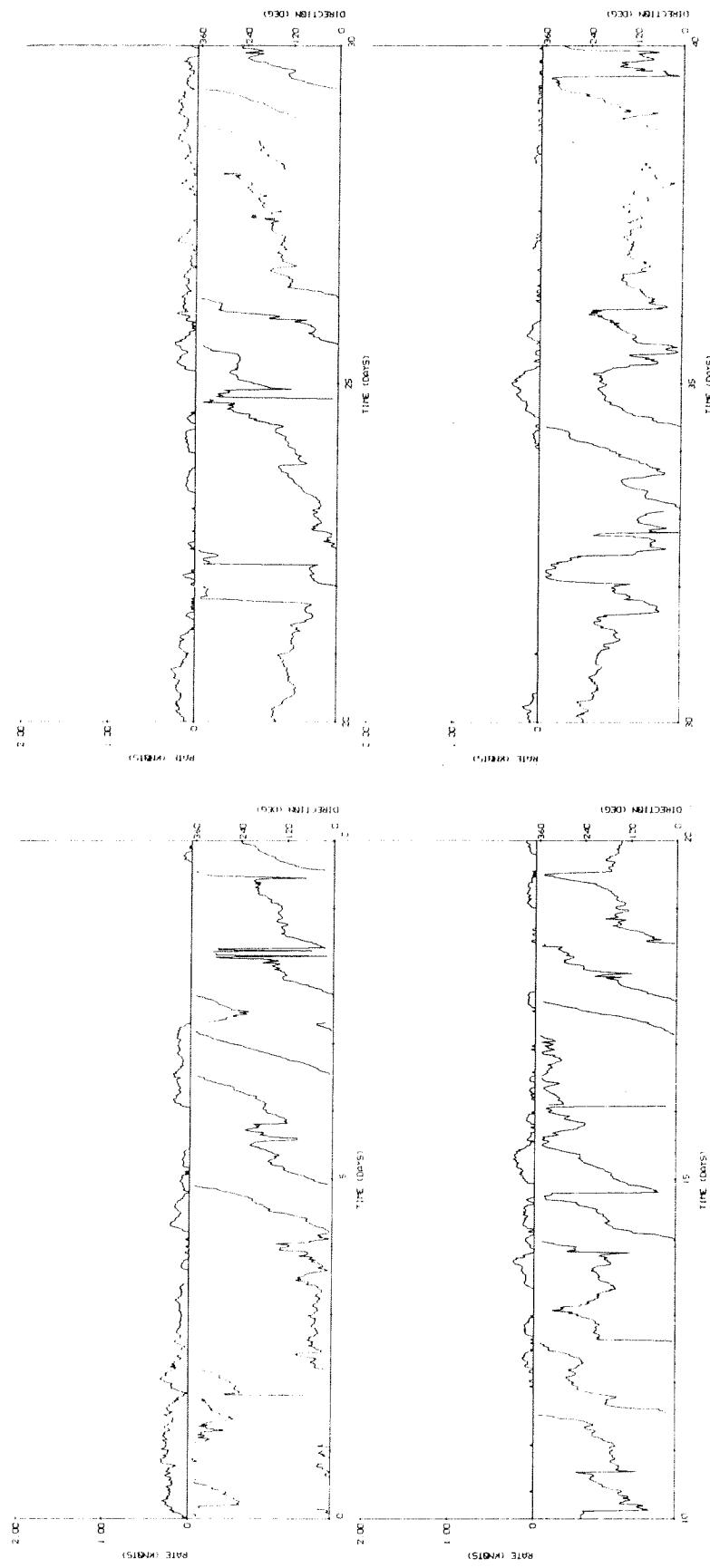


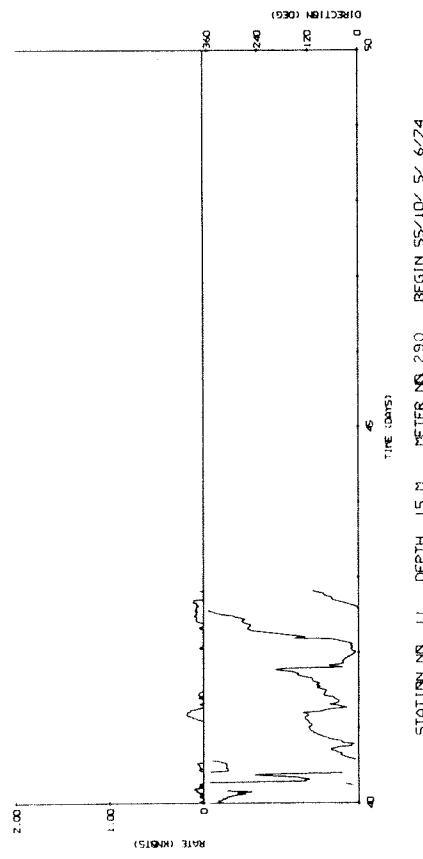


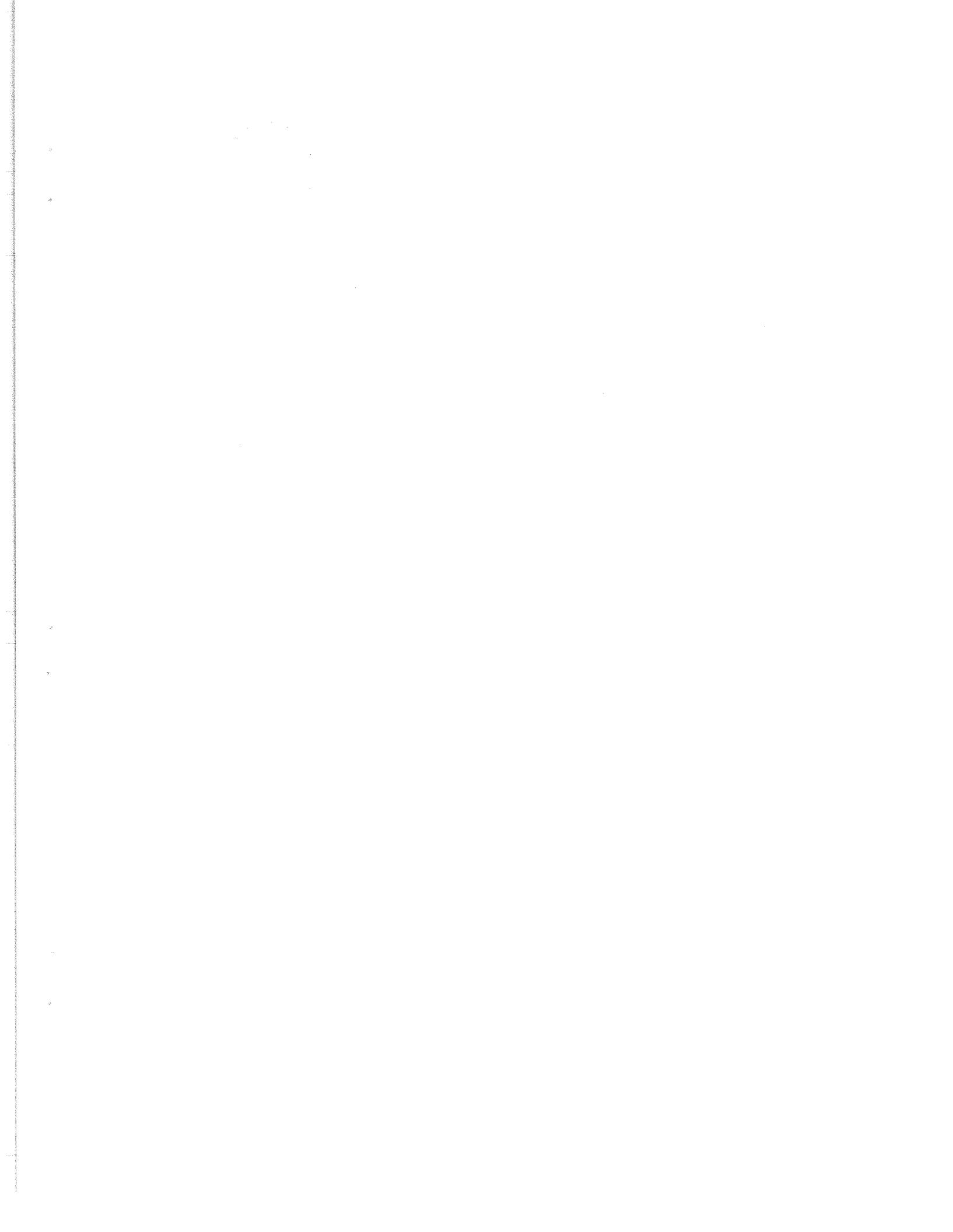


STATION 15 EESTE 15 55 m 16 HR 05 UY 06 NO 74 YF

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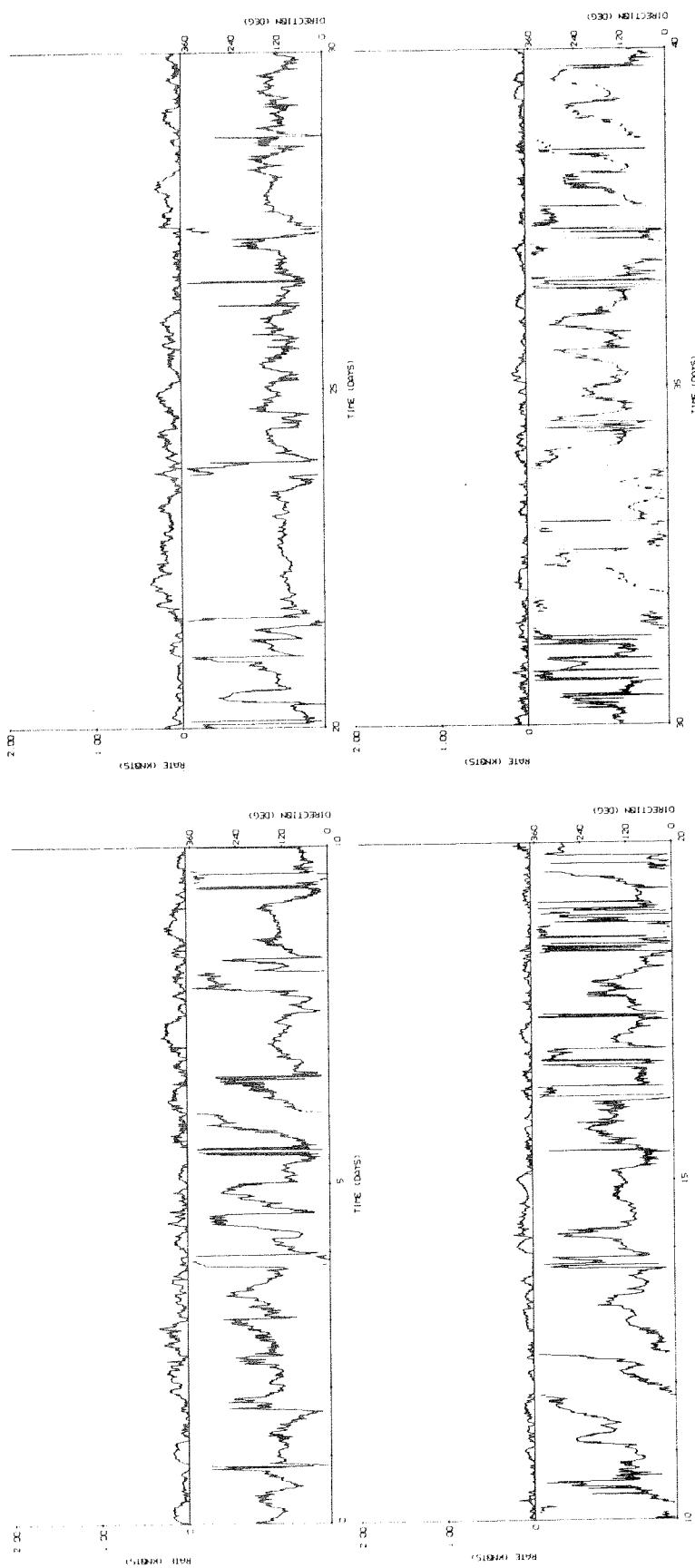


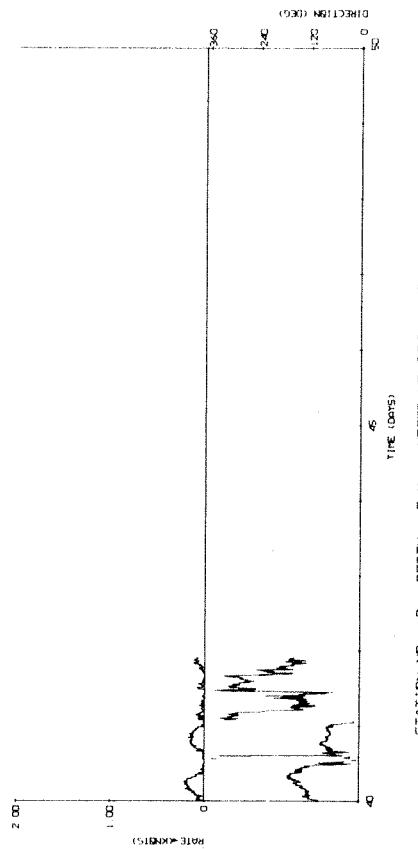




STA 12 DEPTR 5 37 min 12 HR 03 07 06 00 74 74

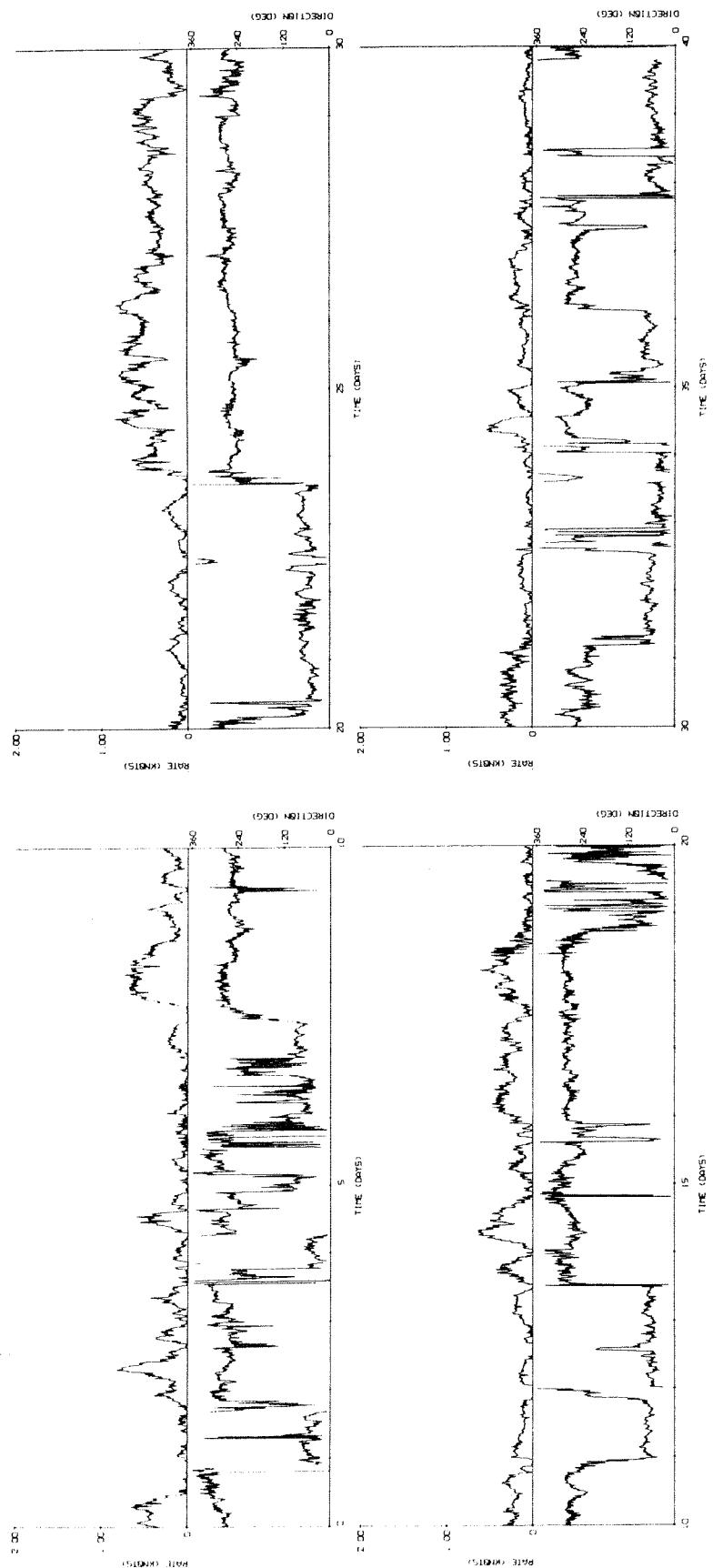
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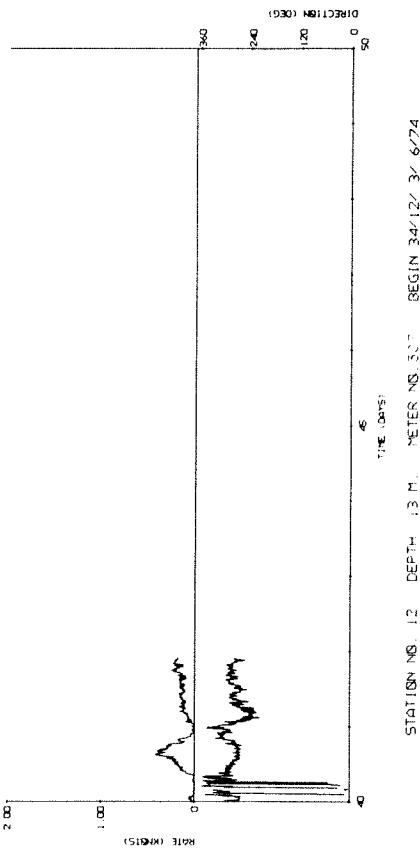


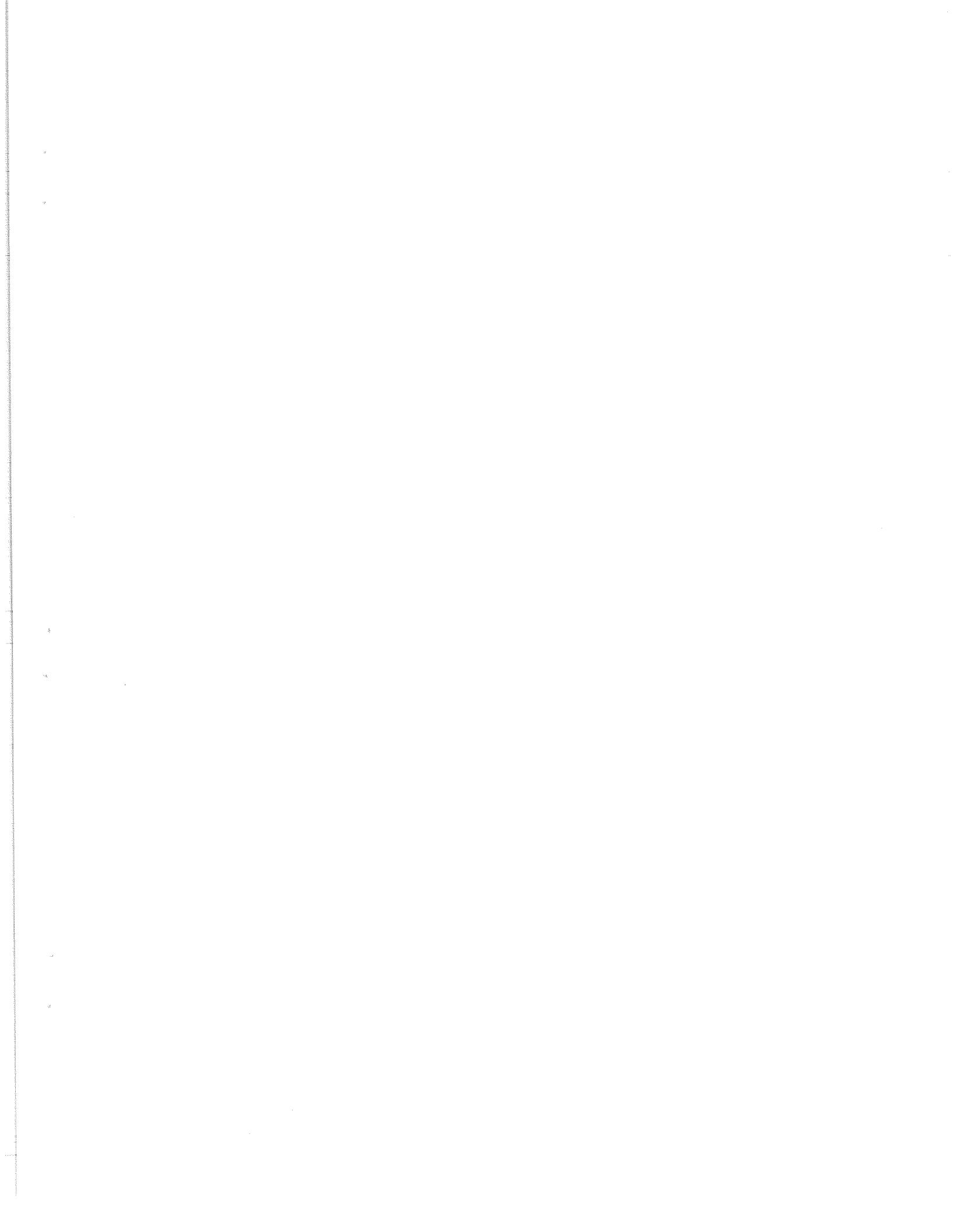






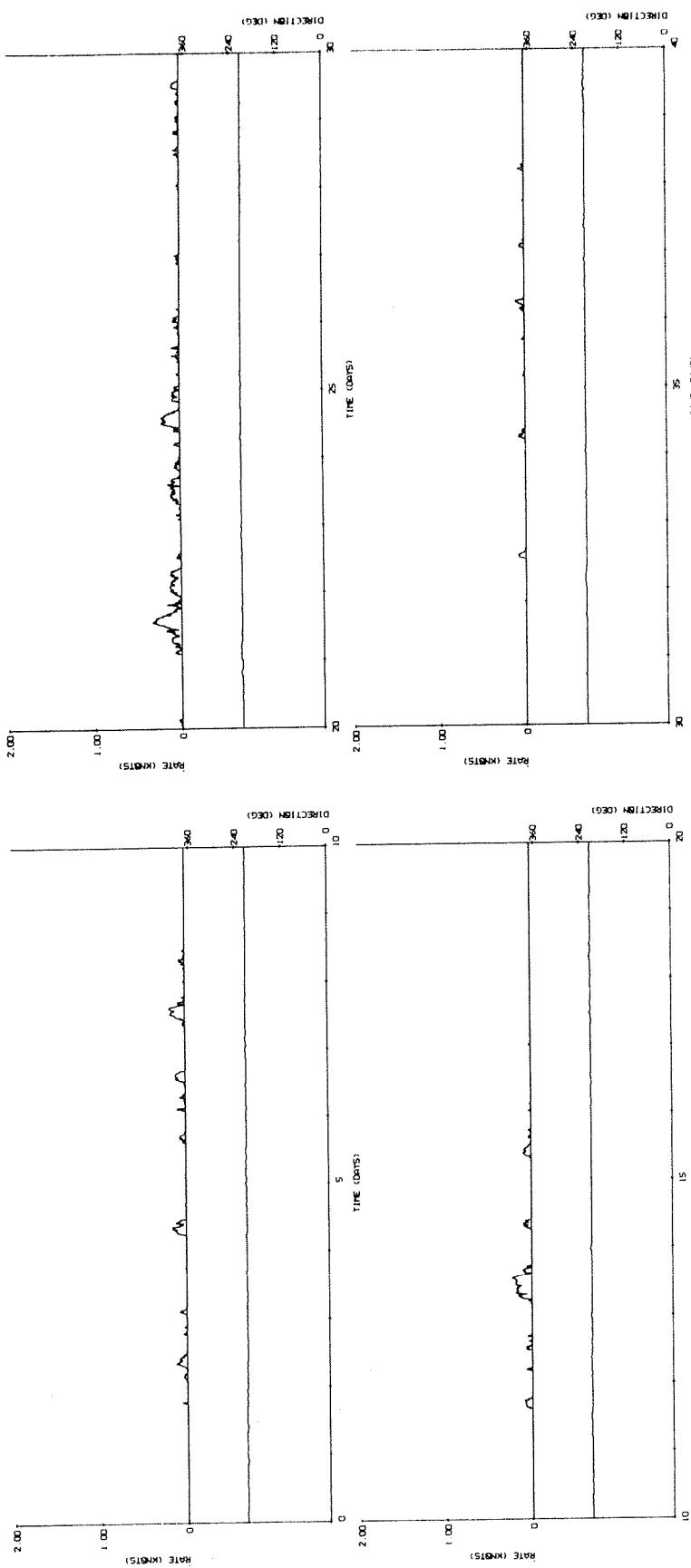








STATION NO. 13 DEPTH 5 M. METER NO. 1039 BEGIN 19/13/ 3/ 6/74



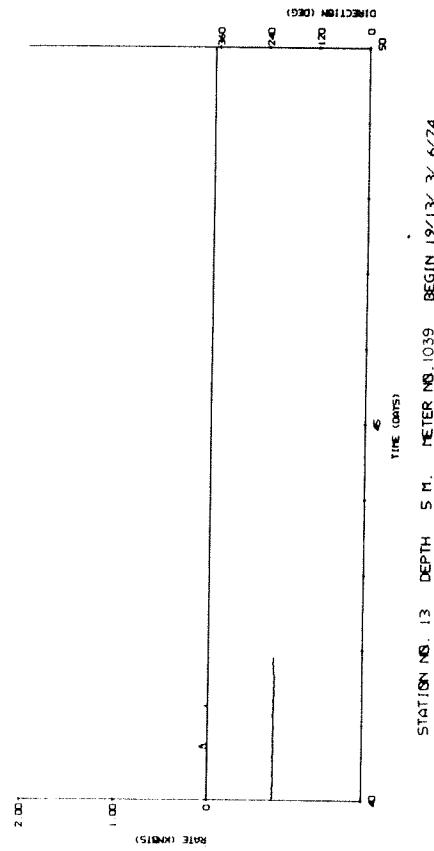


Table 27. Quality of Current Meter Data.

Station	Depth Meters	Start Time	Comments
1	10	05/07/73	Rotor badly fouled on recovery.
1	20	05/07/73	Rotor badly fouled on recovery.
1	43	05/07/73	Rotor slightly fouled on recovery.
4	5	04/07/73	Rotor slightly fouled on recovery.
4	13	04/07/73	Rotor slightly fouled on recovery.
5	5	10/07/73	Rotor slightly fouled on recovery.
1	All depths	04/06/74	Mooring fouled in fishing gear when recovered.
1	43	04/06/74	Rotor missing on recovery.
4	4	04/06/74	Rotor slightly fouled on recovery.
6	5	05/06/74	Mooring line wrapped around instrument - may have happened during recovery operations but tilt very large.
12	13	03/06/74	Rotor slightly fouled on recovery.



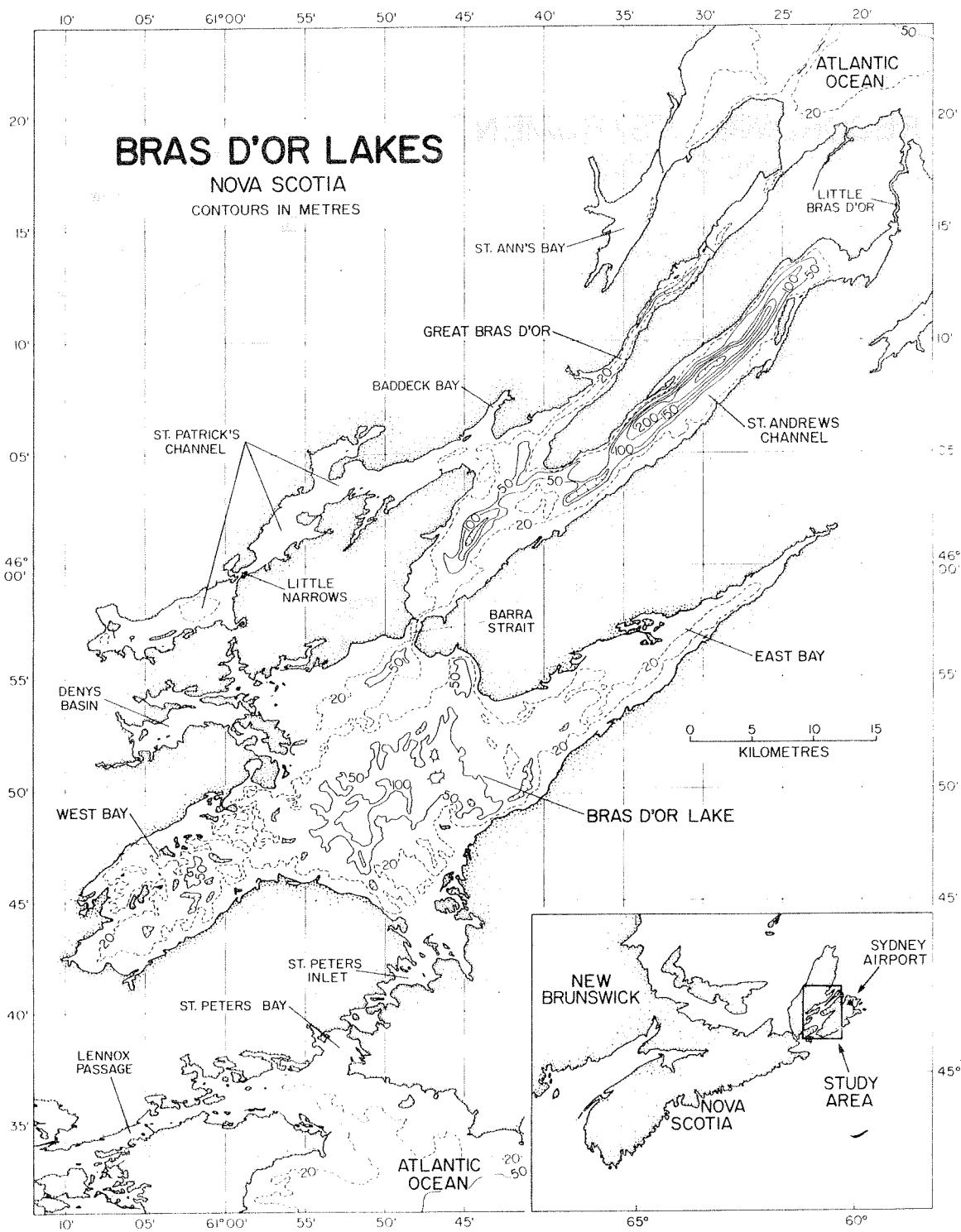


Figure 1. Geographic locations and bathymetry of the Bras d'Or Lakes.

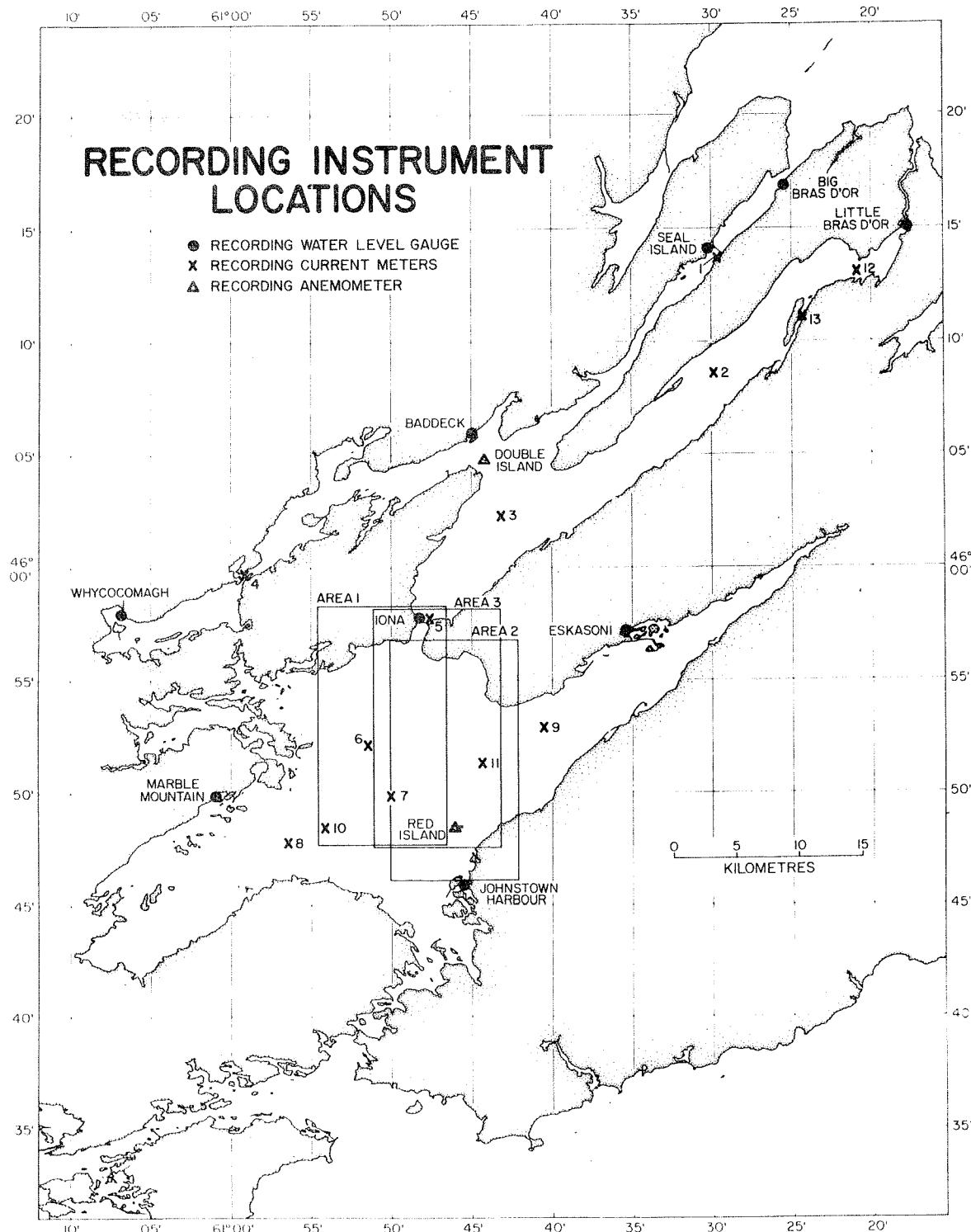


Figure 2. Recording instrument locations and drogue experiment areas.

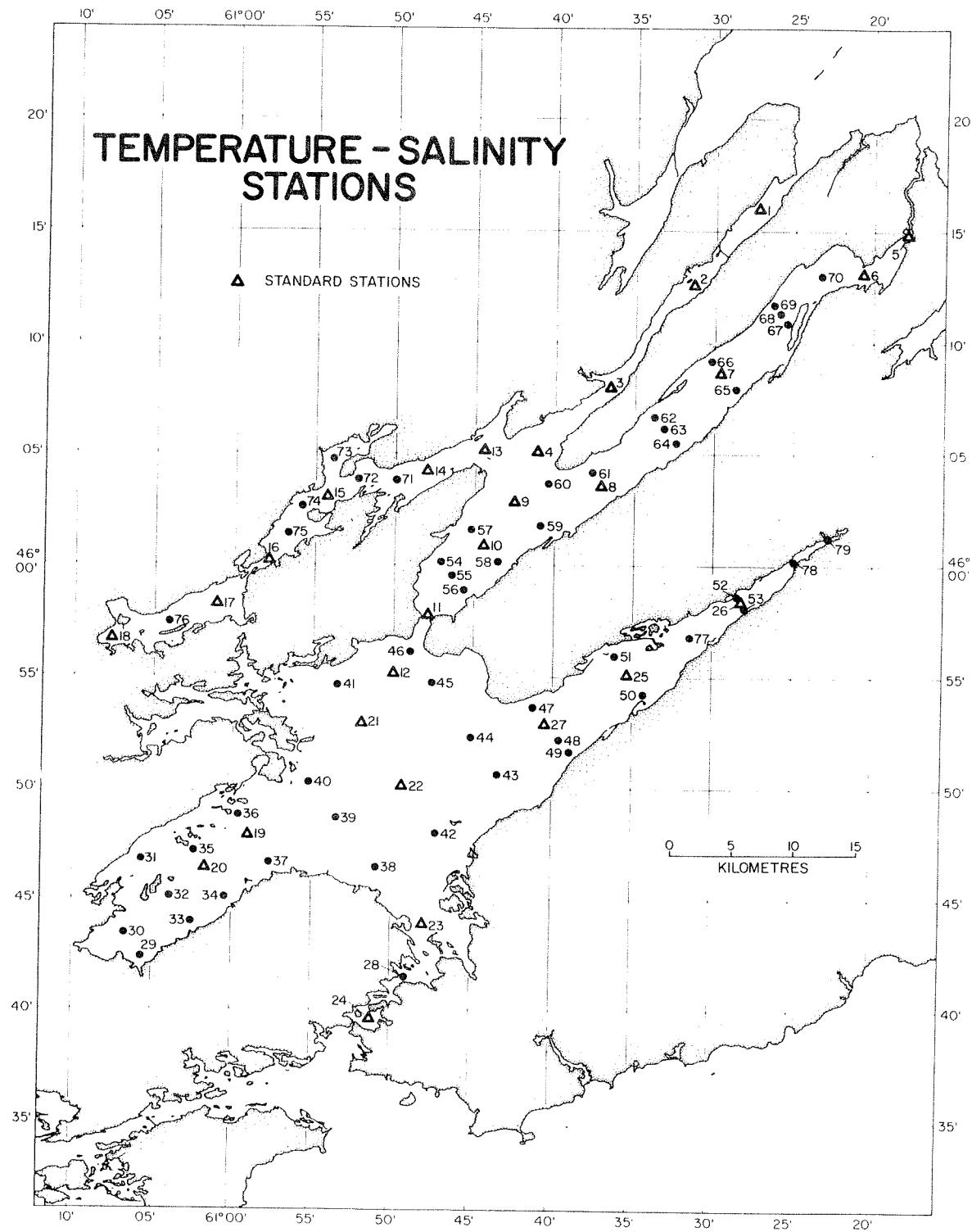


Figure 3. Temperature-salinity station locations.

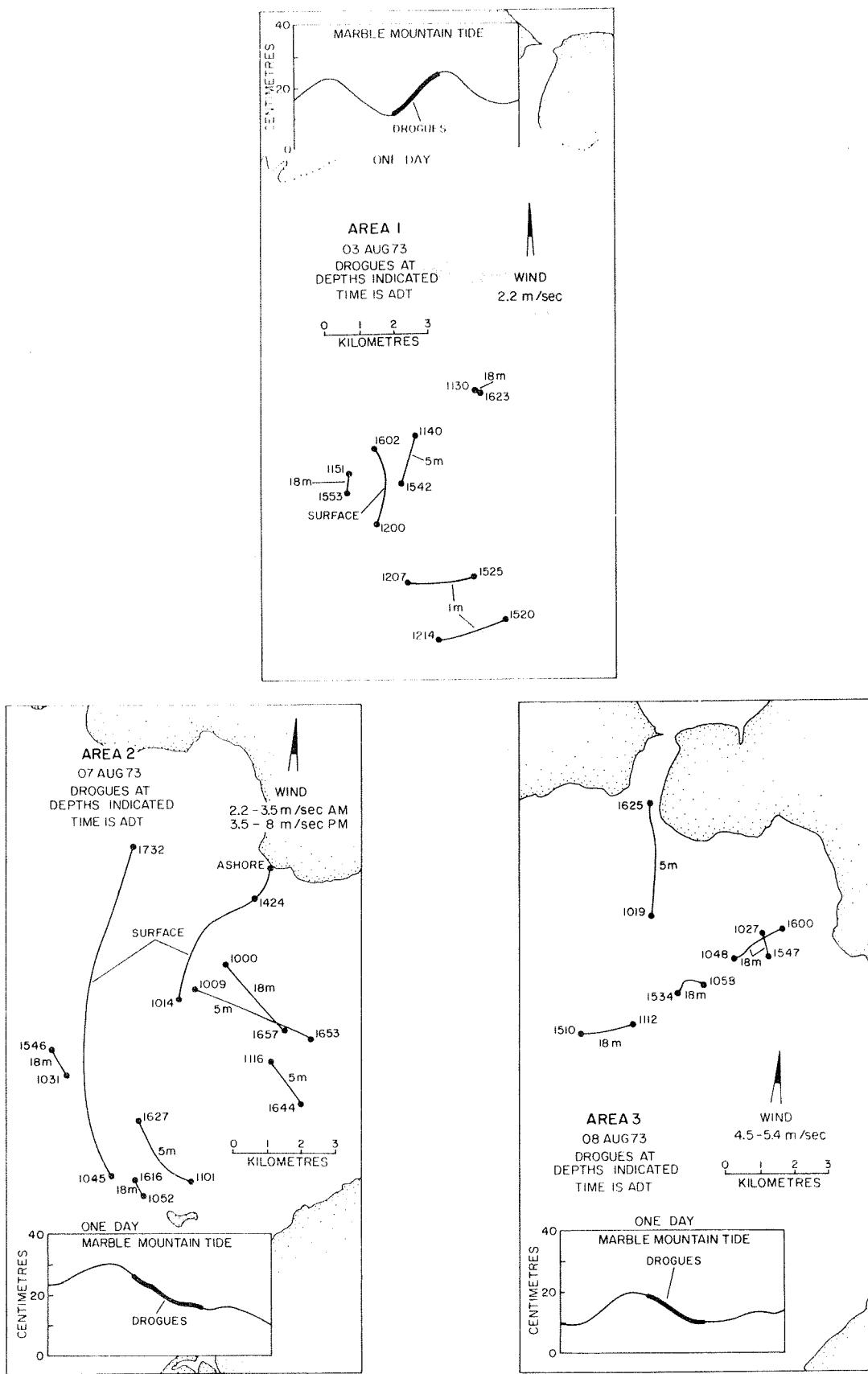
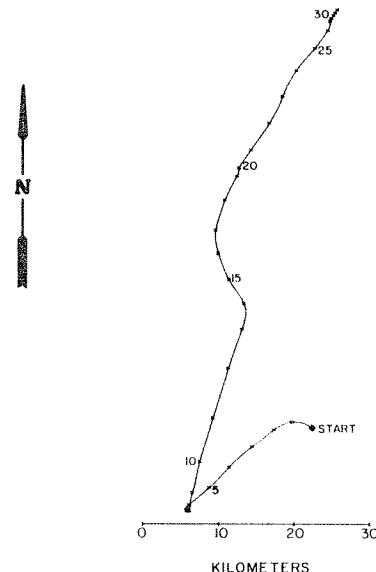


Figure 4. Trajectories of drogues at depths as noted.

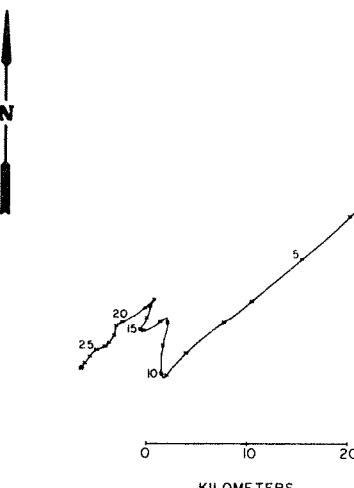
Figure 5. Progressive Vector Plots of the 1973 Recording Current  
Meter Data.

Stations 1-5: Data first filtered to remove all  
frequencies above 0.8 cycles/day.

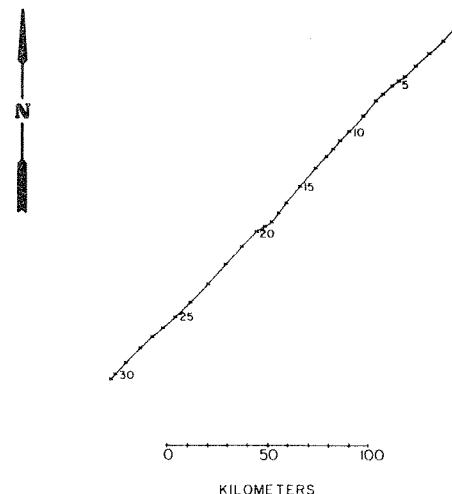
Stations 6-9: Data not filtered.



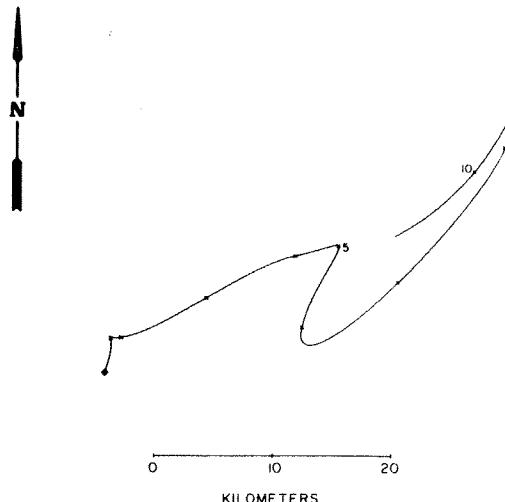
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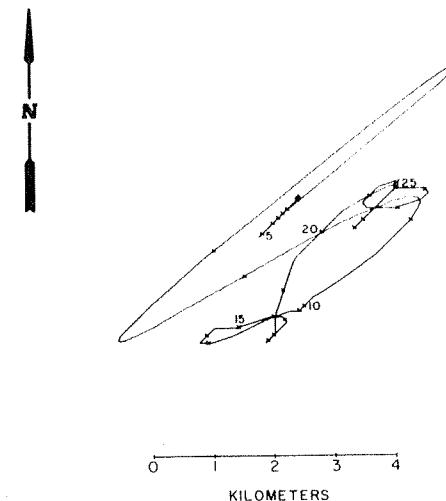
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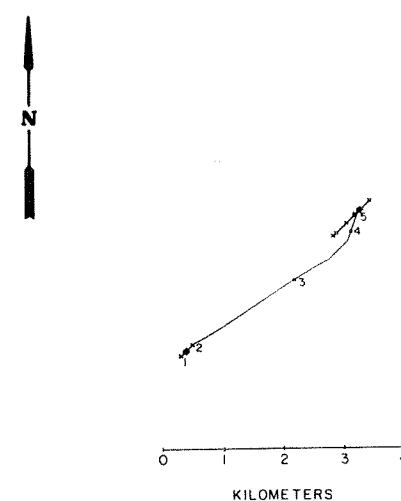
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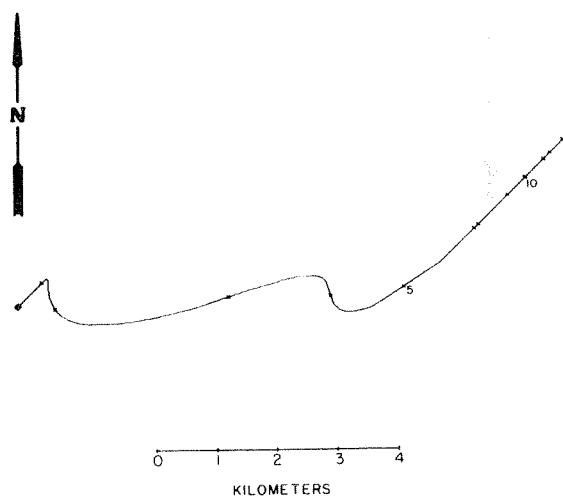
STATION 02 DEPTH 010 DATE 02/08/10/06/73



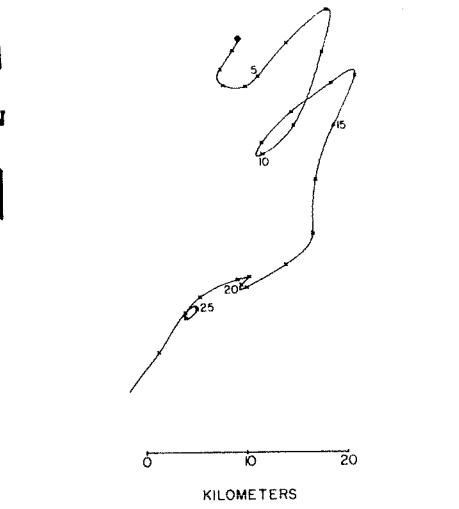
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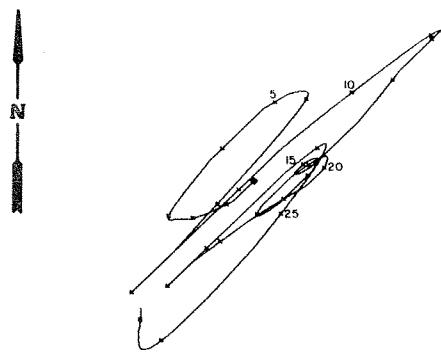
STATION 02 DEPTH 122 DATE 59/07/10/06/73



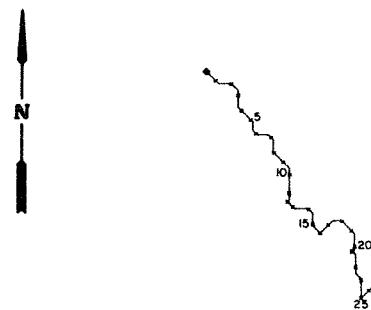
STATION 02 DEPTH 183 DATE 02/08/10/06/73



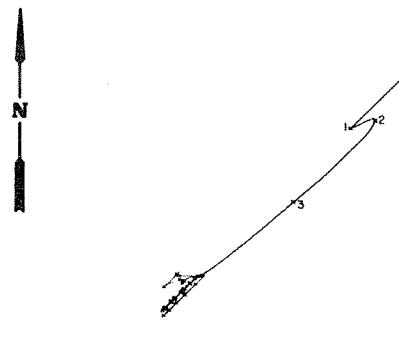
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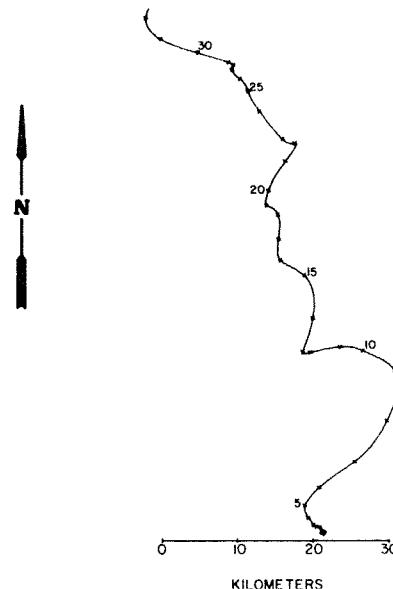
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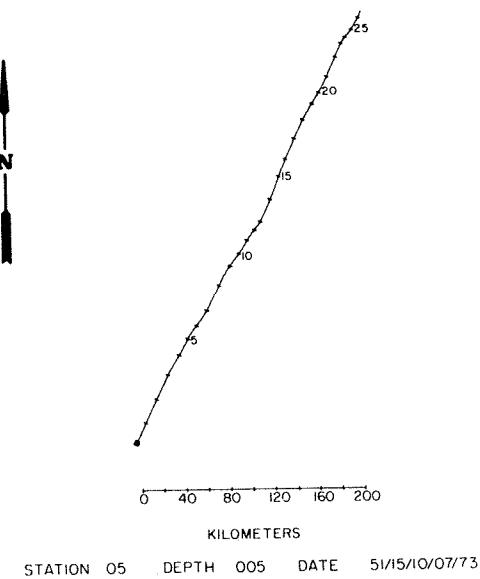
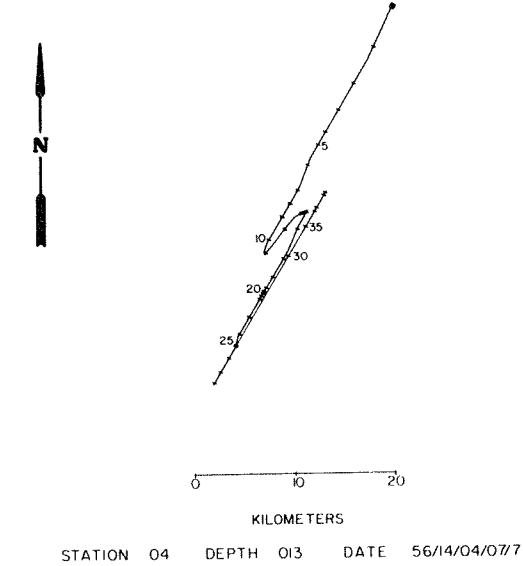
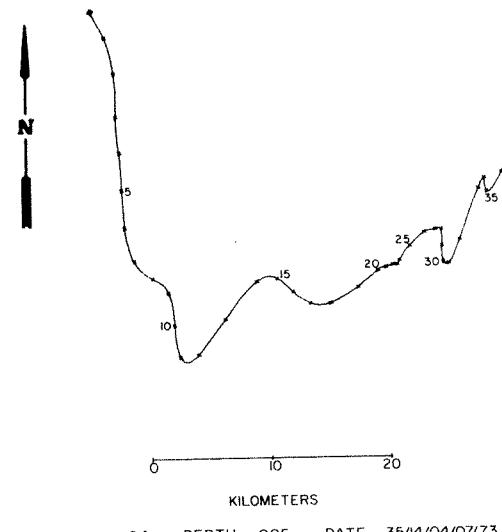
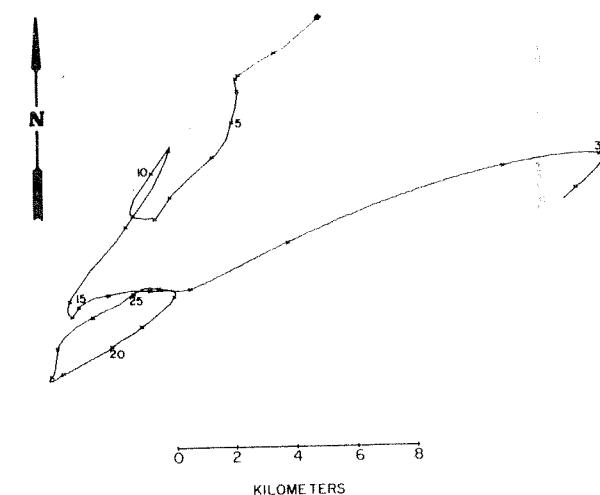
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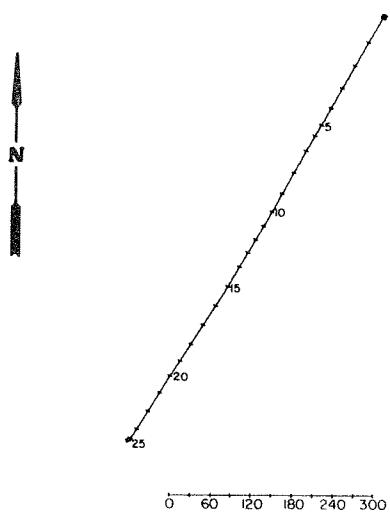


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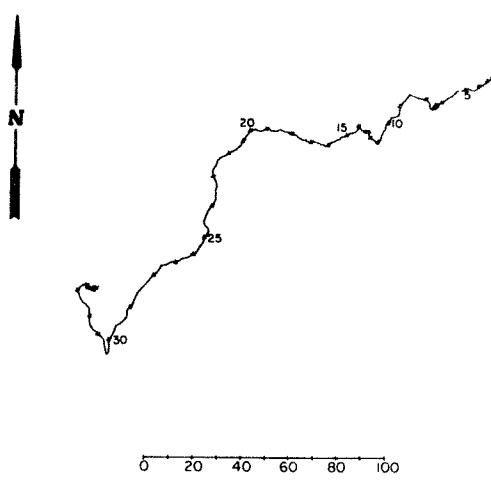


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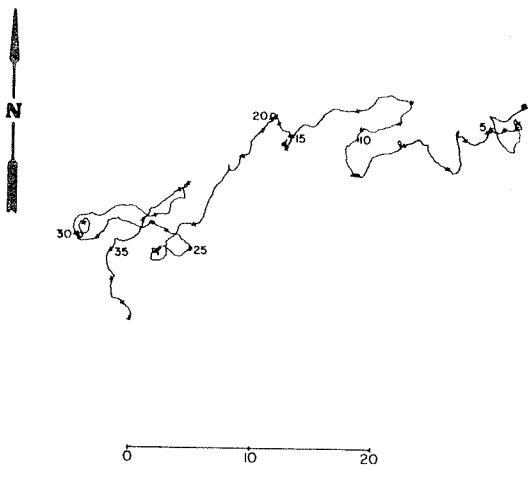




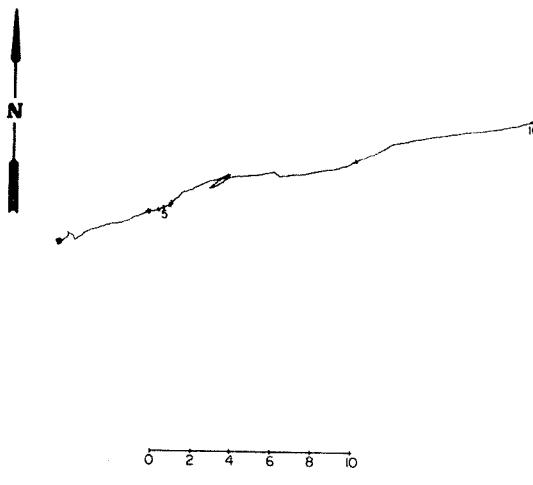
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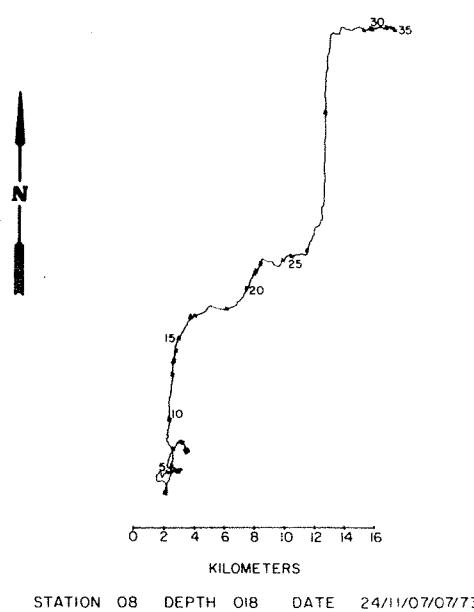
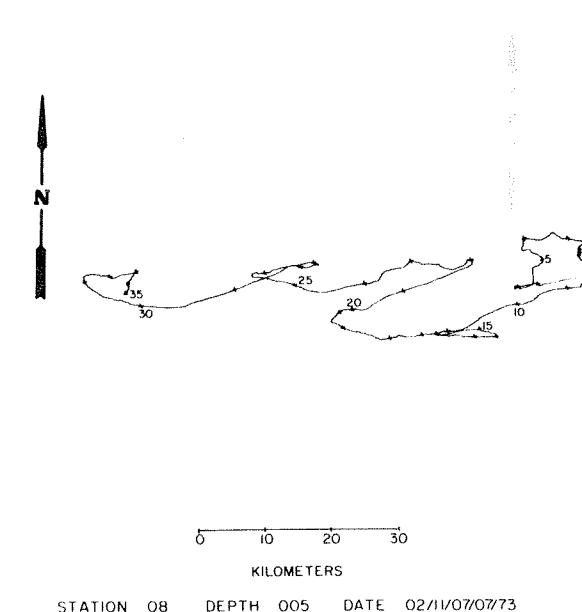
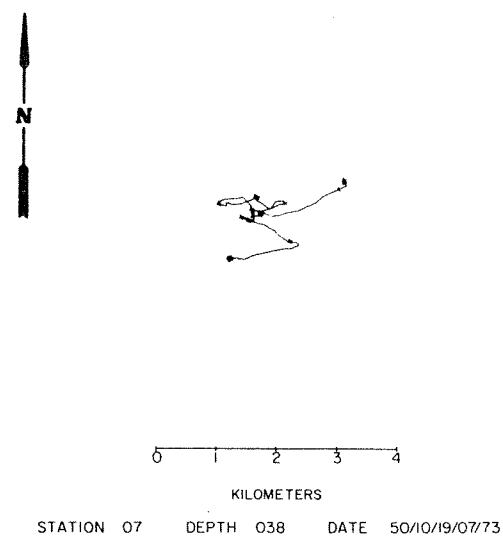
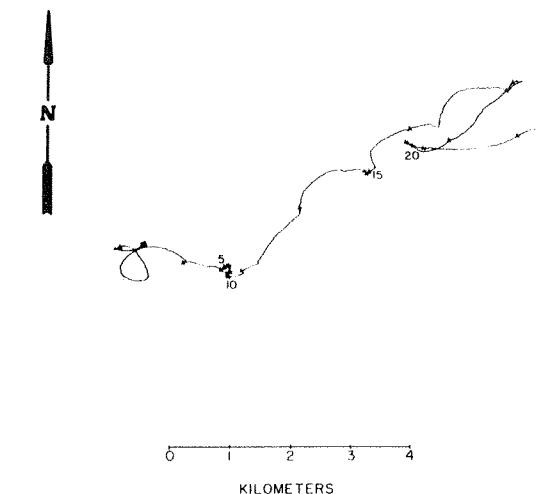
STATION 06 DEPTH 005 DATE 33/15/05/07/73



STATION 06 DEPTH 018 DATE 56/15/05/07/73



STATION 06 DEPTH 038 DATE 40/15/05/07/73



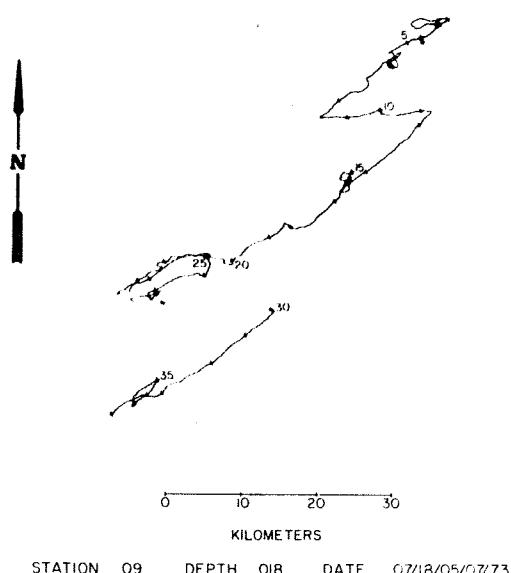
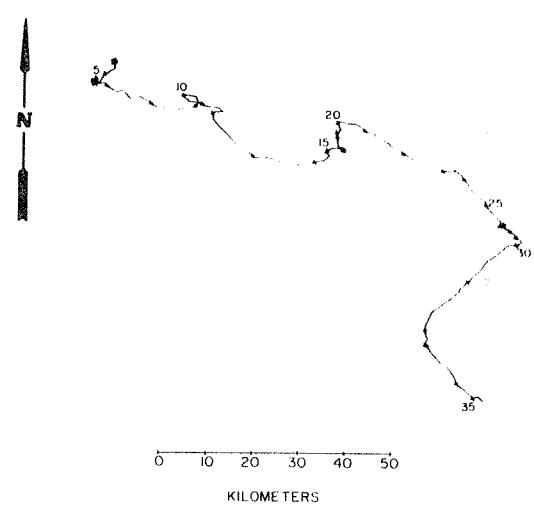
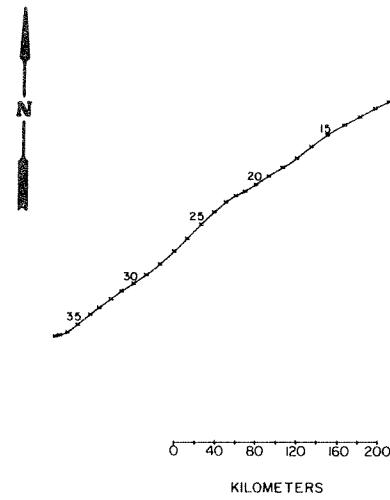


Figure 6. Progressive Vector Plots of the 1974 Recording Current Meter Data.

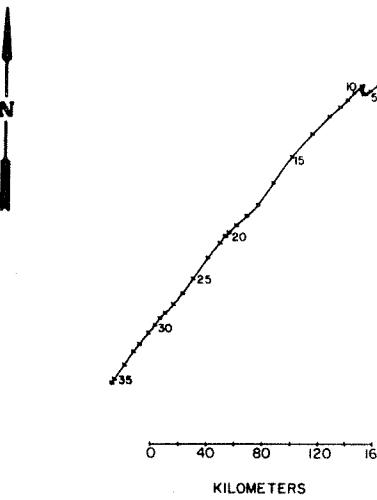
Stations 1-5: Data first filtered to remove all frequencies above 0.8 cycles/day.

Stations 6-13: Data not filtered.



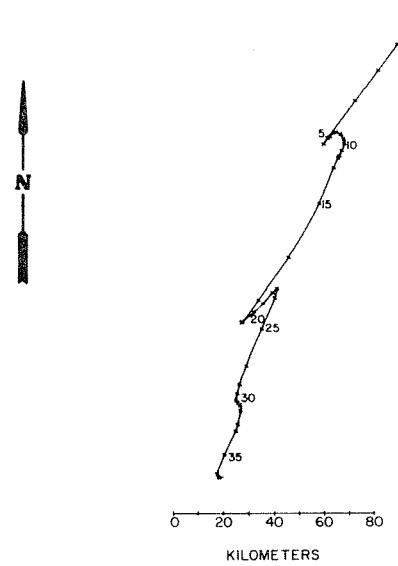
STATION OI DEPTH OIO DATE 43/09/04/06/74

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KILOMETERS



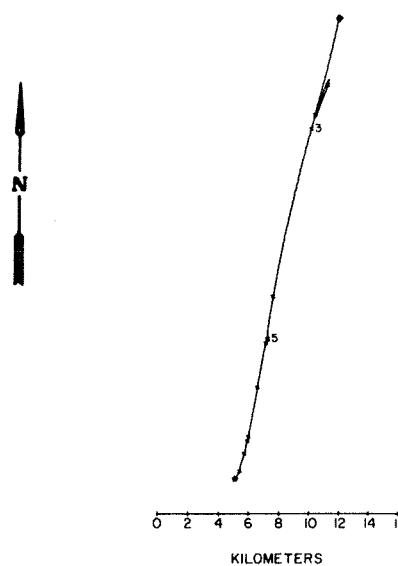
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KILOMETERS



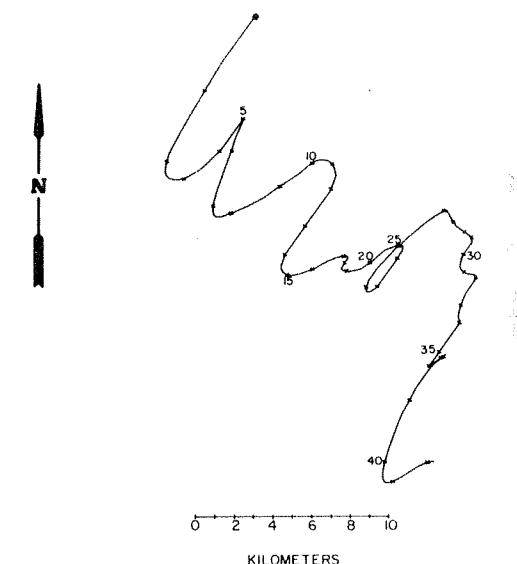
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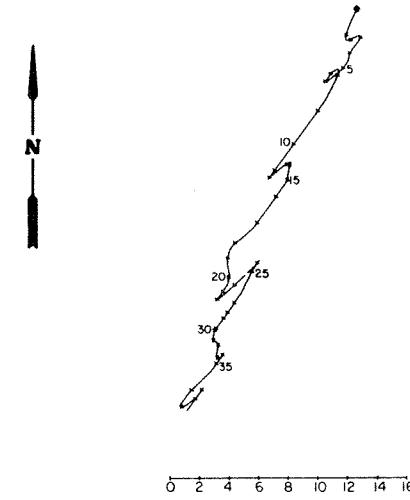


STATION OI DEPTH O43 DATE 42/09/04/06/74

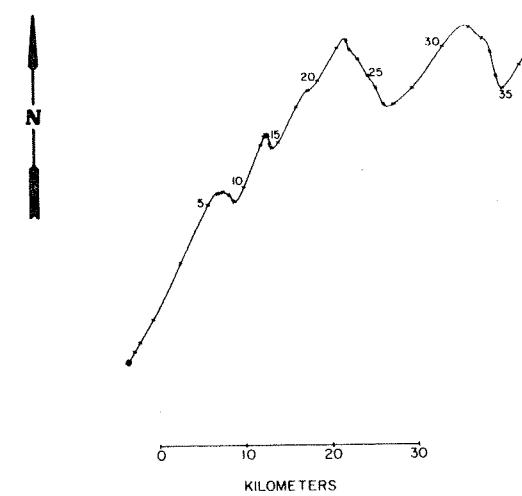
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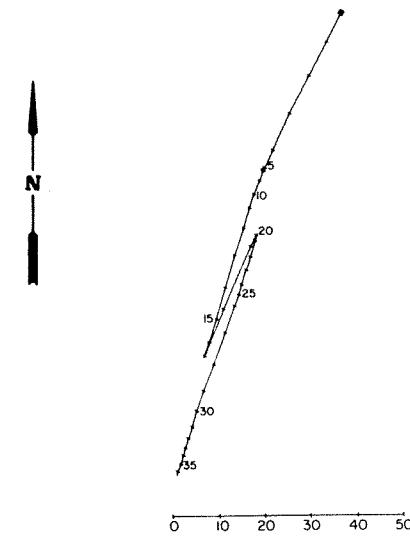
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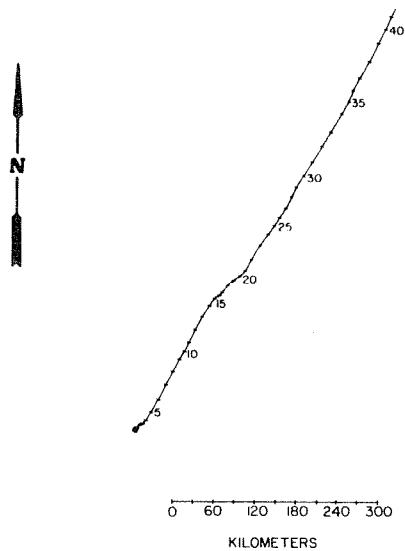
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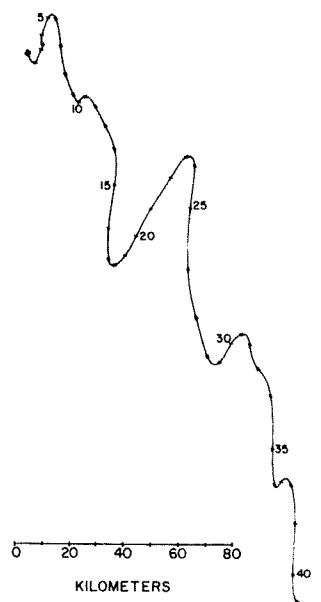
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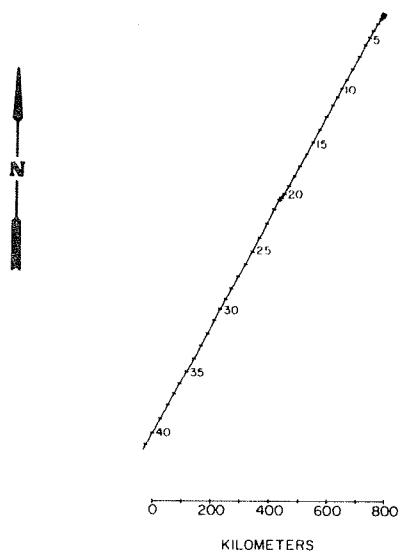
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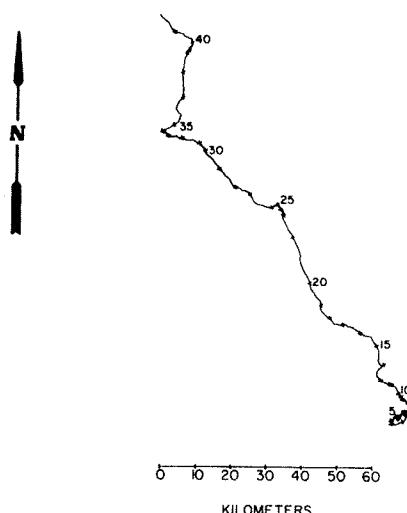
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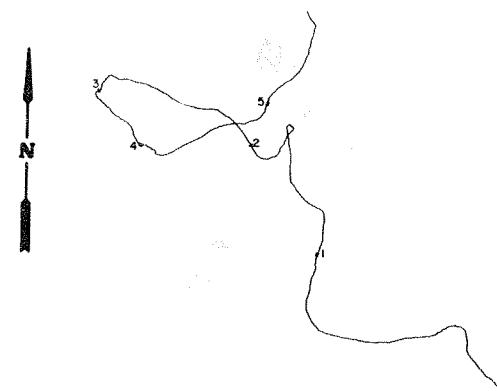
STATION 05 DEPTH O10 DATE 04/16/04/06/74



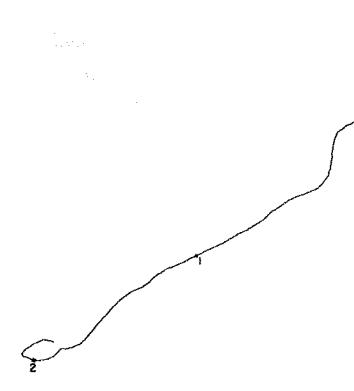
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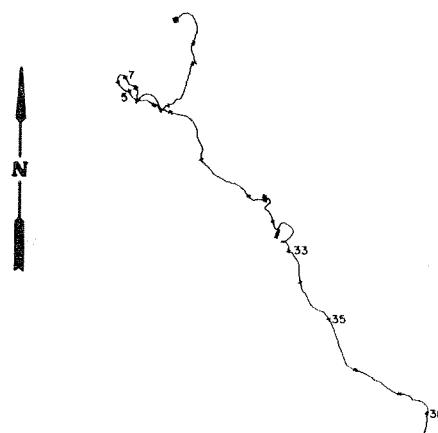
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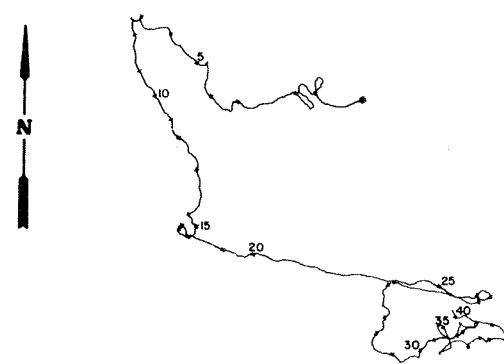
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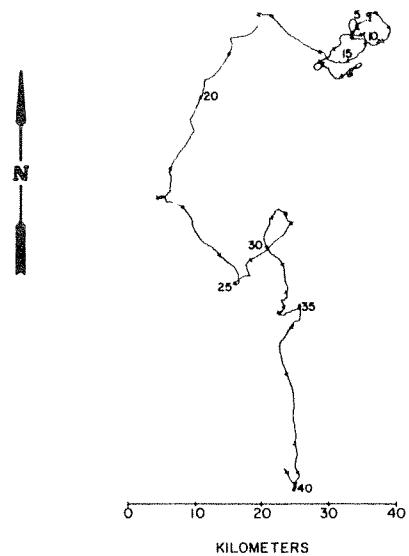
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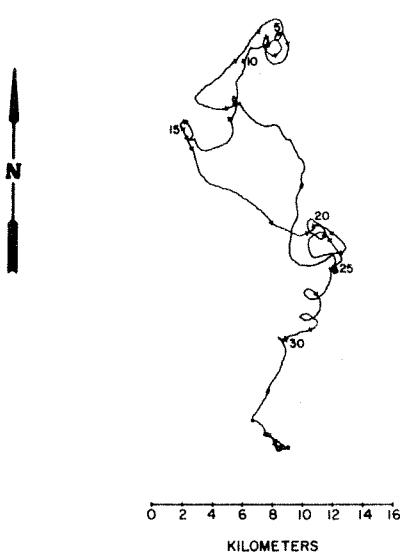
STATION 10 DEPTH 005 DATE 15/10/05/06/7



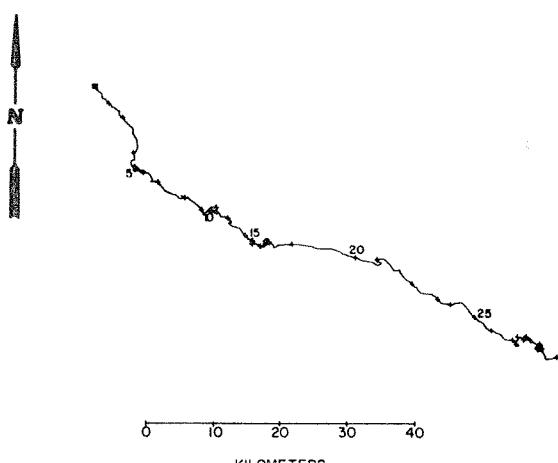
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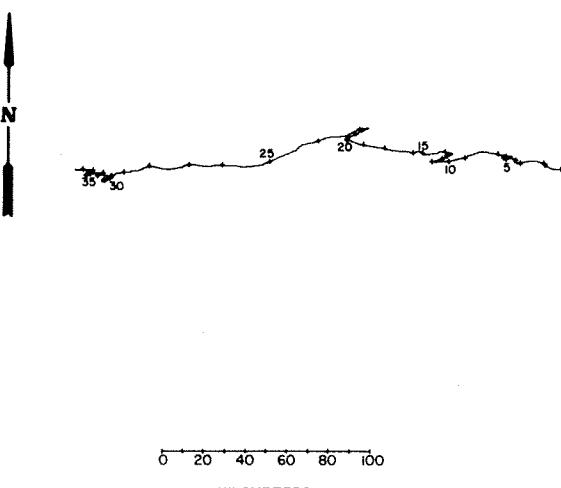
STATION 11 DEPTH 005 DATE 35/11/05/06/74



STATION 11 DEPTH 015 DATE 55/10/05/06/74



STATION 12 DEPTH 005 DATE 37/12/03/06/74



STATION 12 DEPTH 013 DATE 34/12/03/06/74

