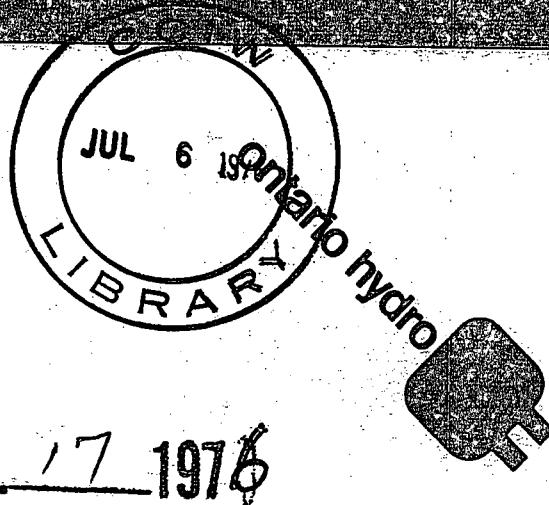




Environment  
Canada

CANADA CENTRE  
FOR  
INLAND WATERS



CGIW PAPER No. 17 1976

COASTAL ZONE LIMNOLOGICAL OBSERVATIONS  
IN  
LAKE HURON  
AT  
BRUCE NUCLEAR POWER DEVELOPMENT

MAY—NOV 1974

Environment Canada  
Canada Centre for Inland Waters  
Burlington, Ontario

Ontario Hydro  
Hydraulic Studies Department  
Toronto, Ontario

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May - November, 1974

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## 1. INTRODUCTION

We have witnessed in the past decade the emphasis of many oceanographic and limnological studies shift to areas closer to the shore. These nearshore or coastal areas are increasingly used for recreation and resource development, particularly siting of thermo-nuclear power plants, and waste discharge systems. An understanding of the characteristics of coastal current and thermal regimes is essential to determine their driving mechanisms and to investigate their effect on biological, chemical, and geological processes which occur in coastal waters and to estimate the transport and dispersion of pollutants such as thermal and other waste effluents that are likely to be discharged into coastal waters. The Canada Centre for Inland Waters has conducted studies specifically designed to characterize, in a climatological sense, the coastal zone water movements that are of particular relevance to dispersive characteristics in the Laurentian Great Lakes. Ontario Hydro with a similar objective has been engaged in nearshore current studies in relation to the siting of thermo-nuclear power plants on the Great Lakes shorelines.

The current regimes near the boundaries of large lakes and oceans exhibit special characteristics. Far removed from shore, the currents often meander with an oscillatory motion caused by the tides and earth's rotation. Closer to shore, the rotary motion is present but there is a tendency for the net motion to conform closely to the orientation of the bottom contours. Very nearshore, rotary motion

effectively disappears with flow becoming essentially parallel to shore and apparently responsive to the local wind stress.

The flow field in the coastal zone is extremely complex due to the interaction of a number of hydrodynamic and meteorological variables including wind stress, bottom friction and density gradients, etc., and, therefore, deterministic predictions at present are not feasible. For the immediate future, however, a statistical or climatological approach appears to be realistic for solutions of many water resource management problems. It is with this hope that CCIW is planning to publish several reports based on detailed field observations at specific but typical coastal sites.

The objectives of these reports are two-fold:

- (1) To provide documentation of and visual display of experimental data set for each of the coastal sites investigated; and,
- (2) To provide easily accessible reference material for decision-making purposes.

The first in this series is a joint report by CCIW and Ontario Hydro based on a cooperative study during 1974, near Douglas Point, Lake Huron, where a major nuclear power complex is

currently under construction.

Pre-operational water environment studies have been carried out by Ontario Hydro, since 1970, as part of the development of the Bruce Nuclear Power Complex (NPD). These studies have also served as a prerequisite for the optimum layout and design of the Bruce NPD condenser cooling water systems and have been presented in two separate reports (Farooqui, 1970; 1973).

## 2. EXPERIMENTAL PROGRAMME

During 1974-1975, the Canada Centre for Inland Waters carried out an extensive field programme in support of the International Joint Commission, Upper Lakes Reference. This opportunity was utilized to study in some detail the coastal zone environment off the Bruce Nuclear Power Complex, in the vicinity of Douglas Point, Lake Huron. Accordingly, a joint experimental programme was designed and developed in collaboration with Ontario Hydro to collect basic meteorological and limnological data from May to November, 1974. Figure 1 shows the CCIW network of current meters in Lake Huron and Georgian Bay with an inset showing the detailed coastal zone network at Douglas Point.

The basic layout of the Coastal Zone Experimental Programme was

designed such that Ontario Hydro's efforts were concentrated in the very nearshore area (up to about 2 km), whereas CCIW's observations were extended further offshore up to 10 km. While the very nearshore observational programme was intended to cover scales of motion that govern the dispersion of waste heat plumes, the offshore programme was intended to resolve large scale transport and exchange processes in the Coastal Boundary Layer (CBL). Previous studies in Lake Ontario have indicated that CBL is of the order of 10 km wide. Figure 2 shows the basic CCIW and Ontario Hydro networks with insets showing the cross-sectional layout and depths of the current meters, temperature sensors, etc. In these insets, section A-B shows the cross-sectional layout of the CCIW instruments and section C-D shows those of Ontario Hydro. Essentially, a basic layout with the coastal transect perpendicular to the local shoreline has been chosen. The layout of the CCIW instruments was designed such that the current meters were placed at a fixed depth (usually 10 m) from the free surface and at a fixed distance (usually 3 m) off the bottom. Water depth off the Bruce NPD permitted the placing of the first Ontario Hydro mooring at about 800 m from the shore. Figures A1 and A2 in Appendix A show the layout of current meter moorings of CCIW and Ontario Hydro. The two configurations are essentially identical except for the type of current meters used. In CCIW moorings, Plessey Model M021 meter was used

for the upper layer and Geodyne Model 920 current meter was used for the bottom layer. Ontario Hydro used Hydro Products Model 505 current meters in their moorings. Figure A3 shows the typical layout of a CCIW FTP mooring and Figure A4 shows the CCIW meteorological buoy. The general specifications of the instrumentation used in this study are given in Appendix A.

Figures B1 through B4 in Appendix B show bar chart summaries of the available mooring data. In addition, a more complete data summary in a tabular form is also presented.

### 3. DATA PRESENTATION

It is often difficult to summarize a large quantity of time series data in a meaningful manner. Keeping in mind the basic objectives of the report, it was decided to present detailed visual summaries in a logical and orderly way utilizing a maximum number of displays and minimizing tabular summaries. Part of the rationale is a standardization of presentation of this type of data. We propose that future reports in this series will follow this format, possibly including detailed statistical and seasonal summaries.

The methods used to display the data in this report have been based largely on similar limnological and oceanographic reports (e.g.

Price and Mooers, 1973). All the data is summarized by month and then by instrument type. For ease of comparison, wind data is displayed along with the current meter data, as well as in the meteorological buoy summaries.

To facilitate data handling and presentation, averaging and filtering techniques have been used. Current meter and wind data were smoothed by a digital filter developed by Graham (1963) and programmed by Simons (1974). Cut-off times for the filters were chosen from a physical perspective to remove periods less than 5 hours, or less than 18 hours, the inertial frequency. For computer economy, 8 coefficients or weights were used for the 5-hour filter, and 46 for the 18-hour filter. The filter response functions are given in Figure 3. To maintain integrity and consistency in the data, a number of observations were deleted from the beginning and end of each deployment period equal to the number of coefficients used for the filter applied. Filters were applied before averaging.

The smallest time interval presented graphically is 1 hour and the largest 24 hours, with the values centered about the time increment chosen.

The contents and data handling characteristics of the 5 types of data presentation employed and presented in Appendix C are briefly outlined.

I Meteorological Buoy Data Summary

- (1) Time series of wind vectors: hourly averaged records were smoothed with digital filter to remove periods less than 18 hours and averaged over 6 hours. Direction is displayed as "towards" to be consistent with oceanographic practice.
- (2) Time series of wind speed and direction: hourly averaged values were smoothed with digital filter to remove periods less than 5 hours. Direction is "towards".
- (3) Time series of hourly averaged values of air and surface water temperature.
- (4) Table of maximum and minimum hourly averaged air temperature values on a daily basis.

II Wind and Current Meter Vector Summary

- (1) Time series of wind stress vectors computed as wind speed squared and averaged over 6 hours. Geographical axes of direction have been rotated such that shore-parallel flow with land to the right points to the top of the page. Consistent with oceanographic convention,

direction is "towards" for both wind and current.

- (2) Time series of current vectors: hourly averages were smoothed with digital filter to remove periods less than 18 hours and averaged over 6 hours. The current direction was rotated as in case 1 above.

### III Current Meter Speed and Direction Summary

- (1) Time series of temperatures observed by current/temperature meters. Records were averaged over 1-hour periods.
- (2) Time series of current speed and direction: hourly averages were smoothed by digital filters to remove periods less than 5 hours.

### IV Wind and Current "Rose" Summary

- (1) Wind "rose" histogram: hourly values of wind data for 1 month were classified and tabulated by speed and direction. Speed classes were defined as 0 to 3, 3 to 7, and greater than  $7 \text{ m-sec}^{-1}$ . The geographical axes of direction have been rotated so that shore-

parallel flow with land to the right points at the right-hand side of the page. The direction was then classified into 8 equal sectors.

- (2) Current "rose" histogram: hourly averaged values of current data for 1 month were classified and tabulated by speed and direction. Speed classes were defined as 0 to 5, 5 to 15, and greater than  $15 \text{ cm-sec}^{-1}$ . Direction classes were defined as above for wind. If less than 25 percent of the possible wind or current data were available for the month, no summary was produced.

## V Fixed Temperature Profiler (FTP) Data Summary

- (1) Time series of temperature profiles observed by the FTP: 10-minute records from each thermistor were averaged over 1 day to represent a daily temperature profile. This data set is also displayed as isotherm time series in a separate report (Bull and Taylor, 1976).

The only approach to a statistical description of the data included in the report is the wind and current "rose" display. For future reports, we propose to prepare detailed statistical summaries to

characterize the data more fully. In the meantime, it is our hope that this report will provide a basis for a standard descriptive presentation of field observations carried out in support of basic limnological studies.

Note: Axis Rotation

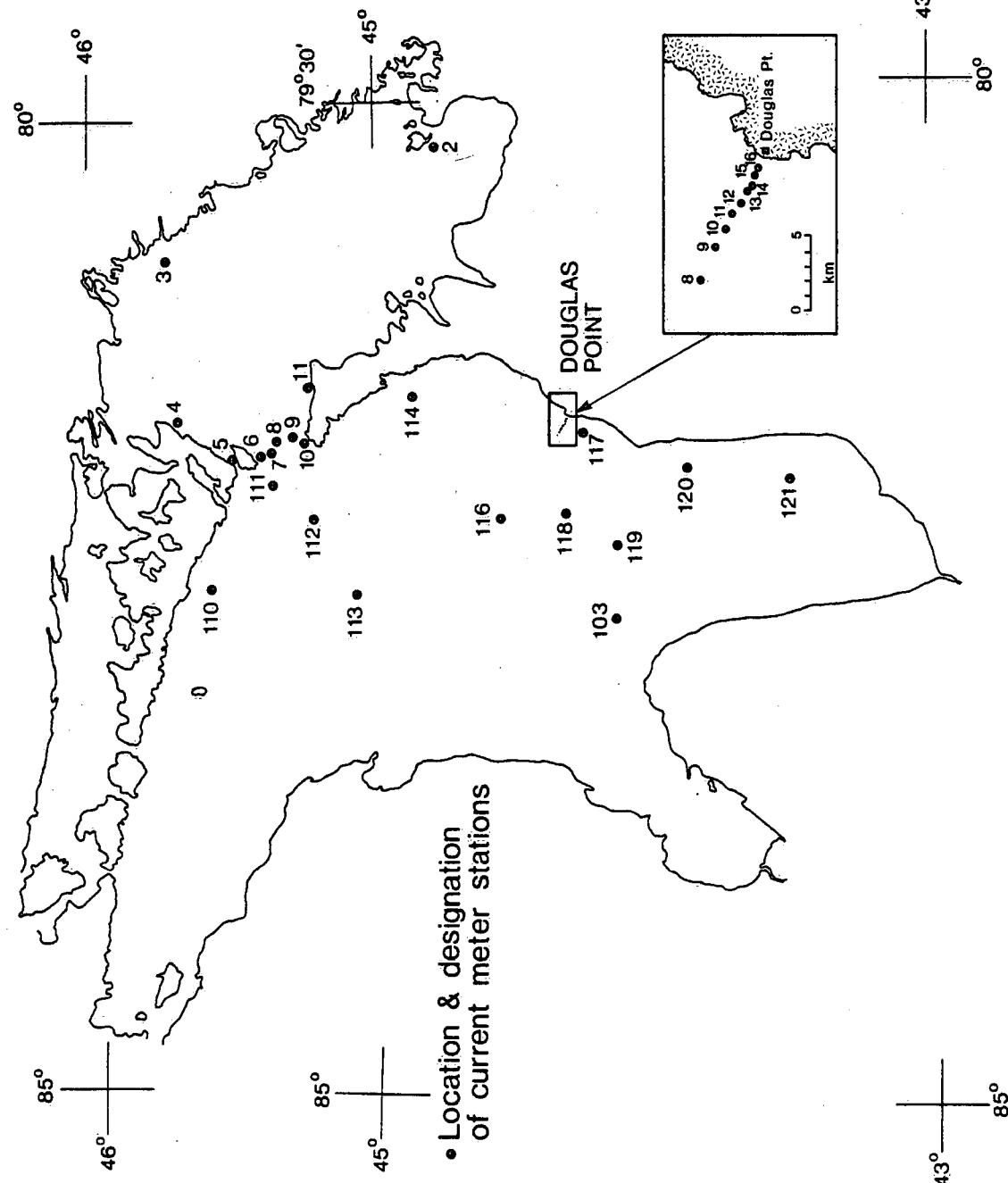
The axis rotation as described in Sections II and IV above was chosen for convenience of display. For maximum clarity, II was chosen to ensure the alongshore current component perpendicular to the time axis. When, for consistency, the Rose Histograms demanded the same rotation, it was found that for periods of strong alongshore currents (quite frequent), the displays strongly overlapped. The choice was to either reduce scales significantly or rotate axes differently. We chose the latter.

VI Ontario Hydro Special Studies

Ontario Hydro carried out a program of special studies within 2 km of the shore consisting of drogue surveys and bi-weekly water temperature profiles. In addition, a number of continuous water temperature recording instruments were installed at various depths and locations shown in Figure 2. This data is presented in Appendix D.

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- Bull, J.A. and Taylor, W.B., 1976. Time-series isotherm displays of four Fixed Temperature Profilers off Douglas Point, Lake Huron, May, 1974 to November, 1974. Unpublished CCIW Report, 44 pp.
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CCIW lake current observations  
 Lake Huron and Georgian Bay 1974/75

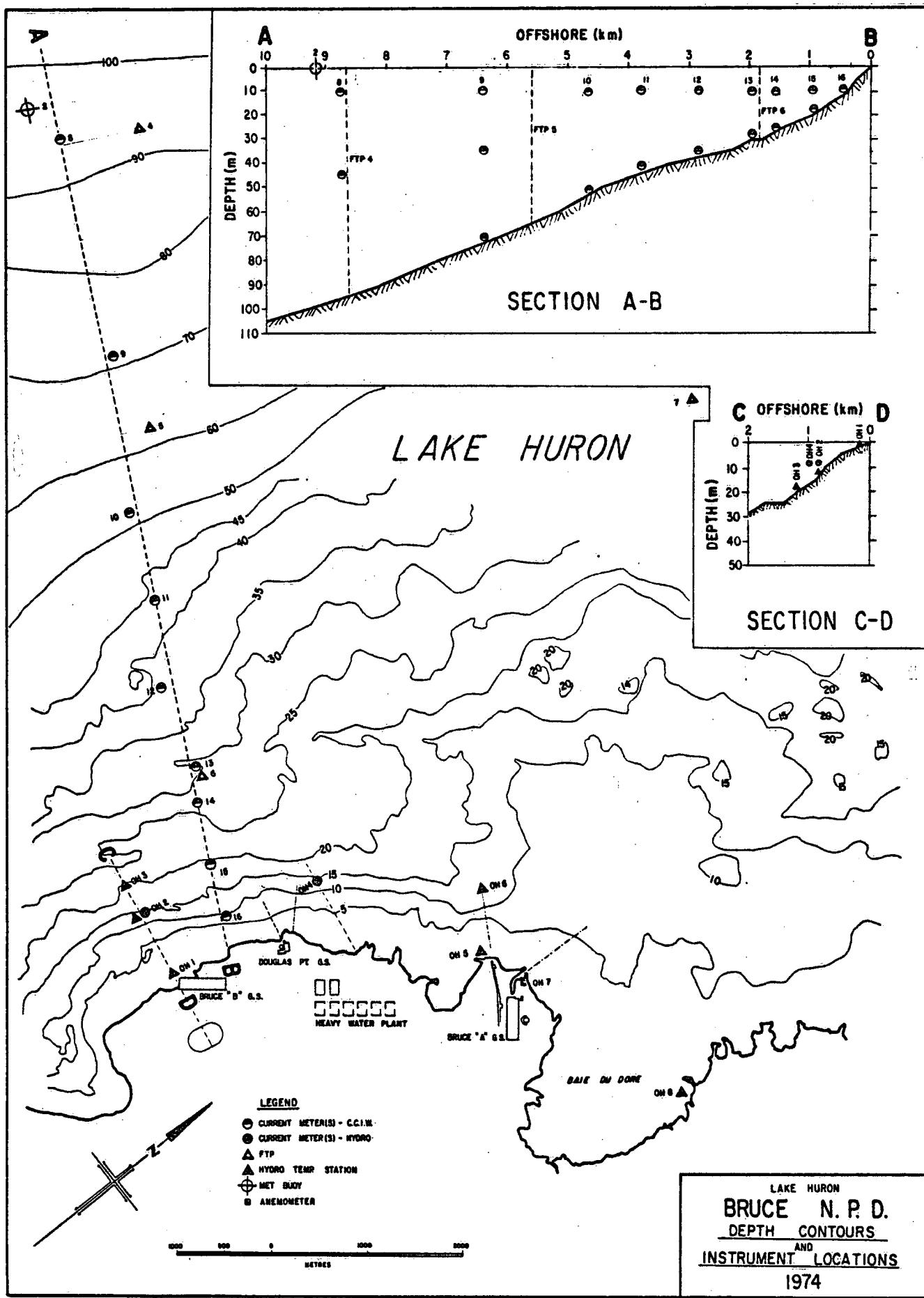
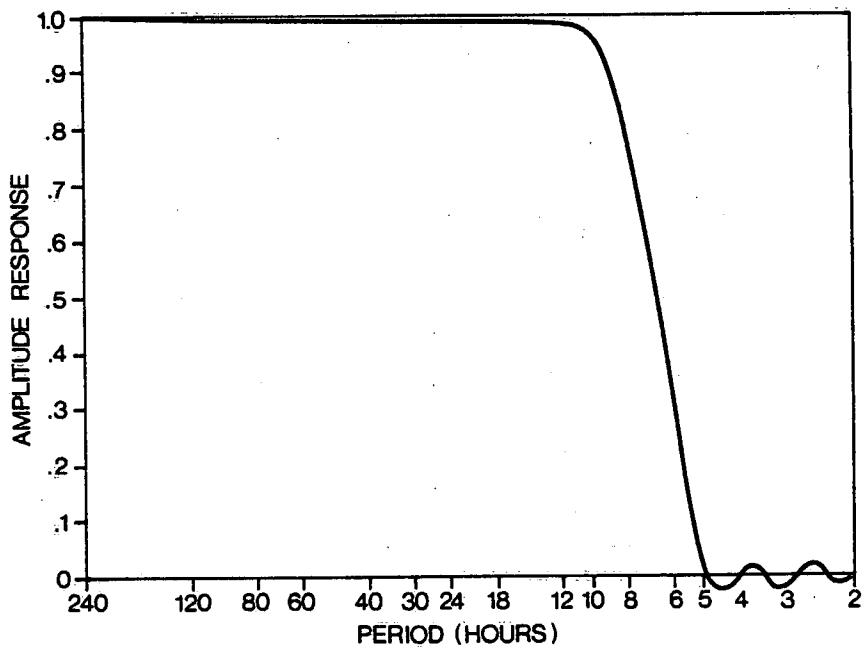


Figure 2

AMPLITUDE RESPONSE OF FILTERS APPLIED  
TO CURRENT AND WIND DATA

5 HOUR FILTER (0.0 - 0.2 cph)



18 HOUR FILTER (0.0 - 0.05 cph)

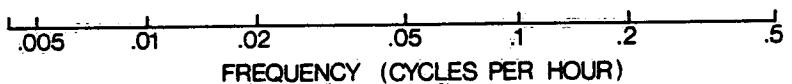
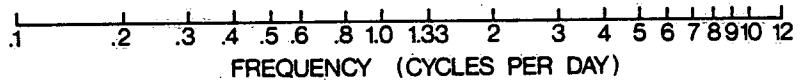
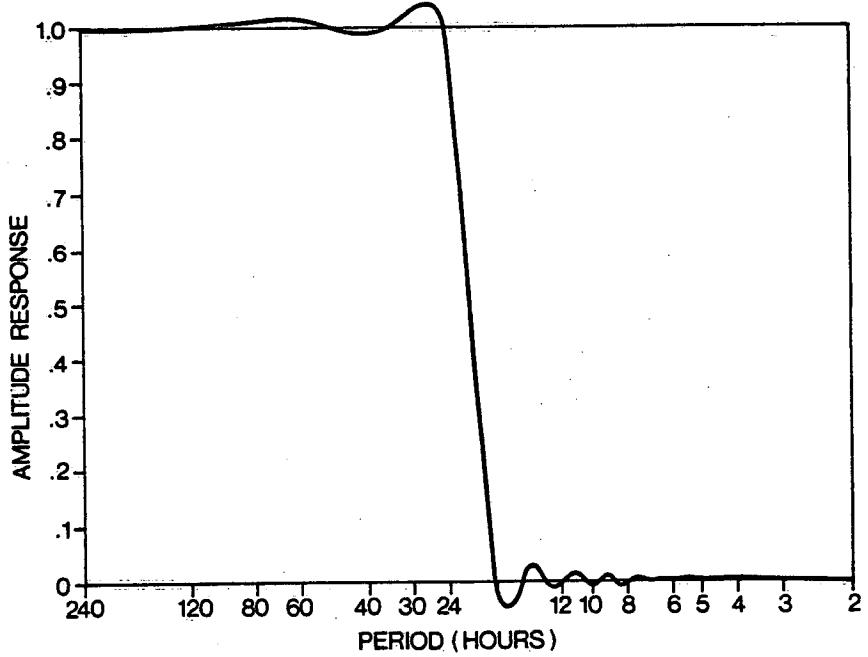


Figure 3

## **APPENDIX A: INSTRUMENT SPECIFICATIONS AND MOORING CONFIGURATIONS**

- 1. Current Meters - Geodyne Model 920**
  - Plessey Model M021
  - Hydro Products Model 502/505
- 2. Meteorological System - CCIW**
  - Ontario Hydro
- 3. Fixed Temperature Profiler - CCIW**  
**Water Temperature Recorder - Ontario Hydro**

## INSTRUMENT SPECIFICATIONS: CURRENT METERS

### 1. Geodyne Model 920 Current Meter (CCIW)

Recording Medium: 6.35 mm (1/4 inch) endless loop magnetic tape,  
120 metres (390 ft.), 2 track, 512 BPI at 6.4 bits/second

Format: Serial digital

Word Size: 16 bit, 12 used for reference, time and temperature,  
14 bits used for identity and compass-vane words

Tape Capacity: 180,000 words

Speed Sensor: Savonius rotor with magnetic coupling, 16 counts per revolution measured over 4.375 secs per reading

Speed Range: 2 cm/sec to 360 cm/sec

Speed Threshold: Rated at 2 cm/sec but depends on bearing condition and rotor balance

Speed Accuracy:  $\pm 2.5$  cm/sec below 50 cm/sec,  $\pm 5$  cm/sec above 50 cm/sec

Direction Sensor: Compass-vane system of two seven bit optical code discs, measured simultaneously, and recorded as 14 bits.

Direction Accuracy:  $\pm 10$  degrees compass

Time: Linear continuous rotation potentiometer driven at 1 revolution per day to control a transducer controlled oscillator (TCO). The frequency of this TCO is counted for 1.875 seconds to give a timeword.

Time Accuracy: Maximum cumulative error of 10 sec/day based on the system clock accuracy.

Temperature Sensor: Resistance of a thermistor is used to control a TCO in a manner similar to the timeword.

Temperature Accuracy:  $\pm 0.1^\circ\text{C}$

Temperature Range:  $-2^\circ\text{C}$  to  $+35^\circ\text{C}$

### 2. Plessey Model M021 Current Meter (CCIW)

Recording Medium: 6.35 mm (1/4 inch) reel to reel magnetic tape.

Format: Serial digital

Word Size: 10 bits

Tape Capacity: 55,200 words

Speed Sensor: Propeller with magnetic coupling and reduction gearing driving a potentiometer.

Speed Range: 5.0 to 250 cm/sec

Speed Threshold: Rated at 3 cm/sec but depends on mechanical condition of propeller bearings.

Speed Accuracy: 3% or 3 cm/sec whichever is greater

Direction Sensor: Instantaneous position read on command every scan by solenoid clamping of the compass.

Direction Resolution: 2 degrees compass

Time: Calculated by start time and time per record; no independent clock.

"Hydro Products" Model 505 - Insitu current speed, current direction and temperature recording system

Speed Sensor: Savonius rotor coupled with magnetic reed switch

Range: 0-50 cm/sec

Threshold: 2.5 cm/sec

Sensitivity: 1.75 rpm per cm/sec

Accuracy: ±3% of full scale ( $\pm 1.5$  cm/sec)

Direction Sensor: Vane coupled to compass and micro torque potentiometer by magnet

Range: 0-360 degrees

Accuracy: ±5 degrees

Temperature Sensor: Thermistor sensor mounted inside electronics housing

Range: 0-40 degrees Celsius

Accuracy: ±3% of full scale

Recorder: Analog strip chart recorder, using 3-channel time sharing

Recording Mode: 7.5 minute recording cycle every 30 minutes

Chart Widths: 5.8 cm

Chart Speed: 10 cm per hour while recording

Electronics: Solid state circuitry with plug-in PC boards

Power Supply: 15V battery pack (Leclanche)

INSTRUMENTATION SPECIFICATION: METEOROLOGICAL SYSTEM<sup>1</sup> (CCIW)

Recording System: Plessey Electronics, Hymet Model MM-1

Recording Medium: 6.35 mm (1/4 inch) magnetic tape reel to reel, 183 metre at 4.3 mm/sec

Parameters Recorded: Windspeed, wind direction, air temperature, and water surface temperature

Word Size: 10 bit

Storage Capacity: 55,000 words

Sampling Rate: 10 minute

Operational Temperature Range: -10°C to 40°C

WIND SPEED SENSOR

Anemometer: 3 cup (Beckman and Whitley; Model 170-41) geared to a single continuous turn potentiometer through a 11106.46:1 speed reducer

Sampling Method: 10 minute average

Accuracy: ±2% above 200 cm sec<sup>-1</sup>

Static Torque: 0.36 gram-cm max

WIND DIRECTION

Sensor: Single flat-plate vane coupled to an oil-damped magnetic compass

Sampling Method: Instantaneous position read on command every 10 minutes by solenoid clamping of the compass

Accuracy: ±5 degrees

AIR TEMPERATURE

Sensor: YSI No. 44005 Precision Thermistor in a copper heat sink

Range: -10 to +40°C

Accuracy: ±0.1°C with individual calibration

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<sup>1</sup> Elder, F.C. and Brady, B.P., 1972. A meteorological buoy system for Great Lakes studies. Environment Canada, IWD Technical Bulletin No. 71.

Time Constant: Approximately 30 seconds without radiation shielding

Exposure: Mounted in a naturally aspirated Thaller type radiation shield<sup>2</sup>

#### WATER TEMPERATURE

Sensor: YSI No. 44030 Precision Thermistor installed in a 2.5 cm DIA x 15 cm plexiglass housing

Range: -2 to +35°C

Accuracy: 0.1°C with individual calibration

Time Constant: Approximately 5 minutes

#### WIND RECORDING SYSTEM - Continuous Recording Anemograph (Ontario Hydro)

Direction Sensor: Gill Microvane

Threshold: .45 m-sec<sup>-1</sup>

Range: 342 degrees, electrical

Delay Dist: 0.9 m (50% recovery)

Damping: 0.44

Signal Output: 0-1 ma

Speed Sensor: 3-cup Anemometer

Threshold: .45 m-sec<sup>-1</sup>

Response: Distance const. 2.7 m (63% recovery)

Transducer: DC tachometer generator

Recorder: Dual Channel Galvo Recorder (Texas Instruments)

Range: 0-1 ma through 1500 ohms for full scale

Scale: 0-360 degrees and 0-22.4 m-sec<sup>-1</sup>

Accuracy: ±1% of full scale

Chart Width: 11.4 cm each channel

Chart Speed: 2.5 cm per hour

Power Supply: 115V 60 cps

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<sup>2</sup> Thaller, M., 1970. Practical considerations in instrument design. In *Meteorological Monographs*, 11(33):211-236, American Meteorological Society, Boston, Mass.

INSTRUMENT SPECIFICATION: FIXED TEMPERATURE PROFILER (FTP) (CCIW)

Recording System: Geodyne type 775-25 resistance digitizer

Parameters Recorded: Temperature, timeword, reference word

Recording medium: 120 metres (390 ft) endless loop tape, 6.35 mm (1/4 inch),  
2 track, 4.8 megabits, 512 BPI at 64 bits/second.

Word Size: 16 bits, 12 used for sensors, 14 for timeword

Tape Capacity: 180,000 words ( $10^4$  scans)

Clock Accuracy:  $\pm 10$  sec/day cumulative (maximum)

Sensor Type: Fenwal K2284 Thermistors

Time Constant: 4 minutes  $\pm 20\%$

No. of Sensors: 18 or 21

System Temperature Accuracy:  $\pm 0.030^\circ\text{C}$

Temperature Range:  $0^\circ\text{C}$  to  $30^\circ\text{C}$

Sensor Depths: Surface to bottom, spacing as required

System Depth Accuracy:  $\pm 0.5$  meters

Mooring Type: Semi-taut

Component Weights: (approximate) Complete digitizer 50 kg  
Buoy 215 kg  
Cable 180 kg  
Acoustic Release 9.5 kg

WATER TEMPERATURE RECORDERS (Ontario Hydro)

In-Situ Temperature Recording Systems

Housing: Aluminum cylinder, D22 cm, L41 cm

Sensor: Thermistor, mounted in lid of housing

Recorder: Rustrak Model 2133

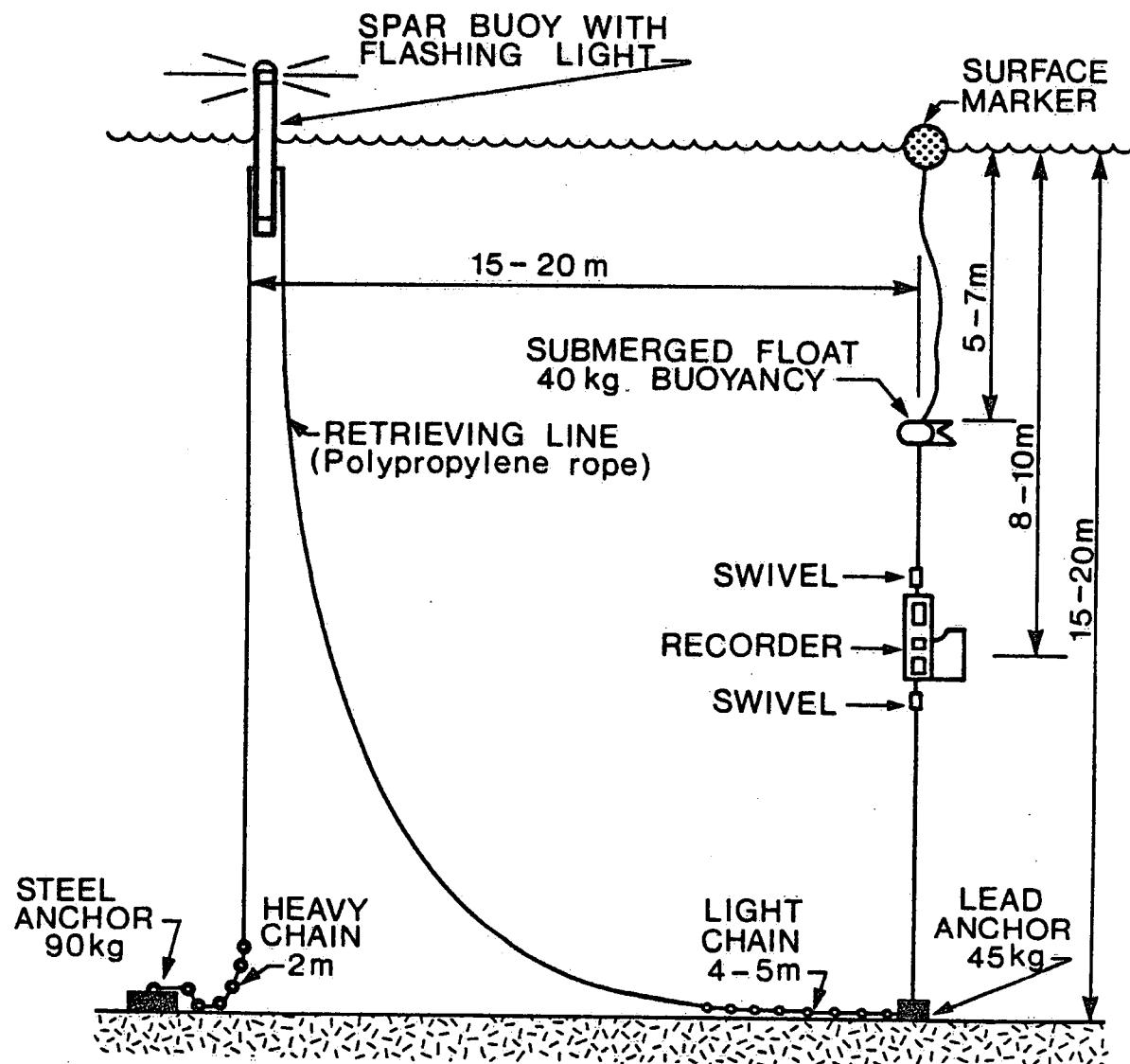
Chart Speed: 1.25 cm/hr or 0.6 cm/hr

Power Supply: 12V battery pack (Lechanche)

Range:  $0\text{--}40^\circ\text{C}$

Accuracy:  $\pm 2\%$  of full scale

Weight of the System: 14 kg



TYPICAL CURRENT-TEMPERATURE MOORING  
ONTARIO HYDRO

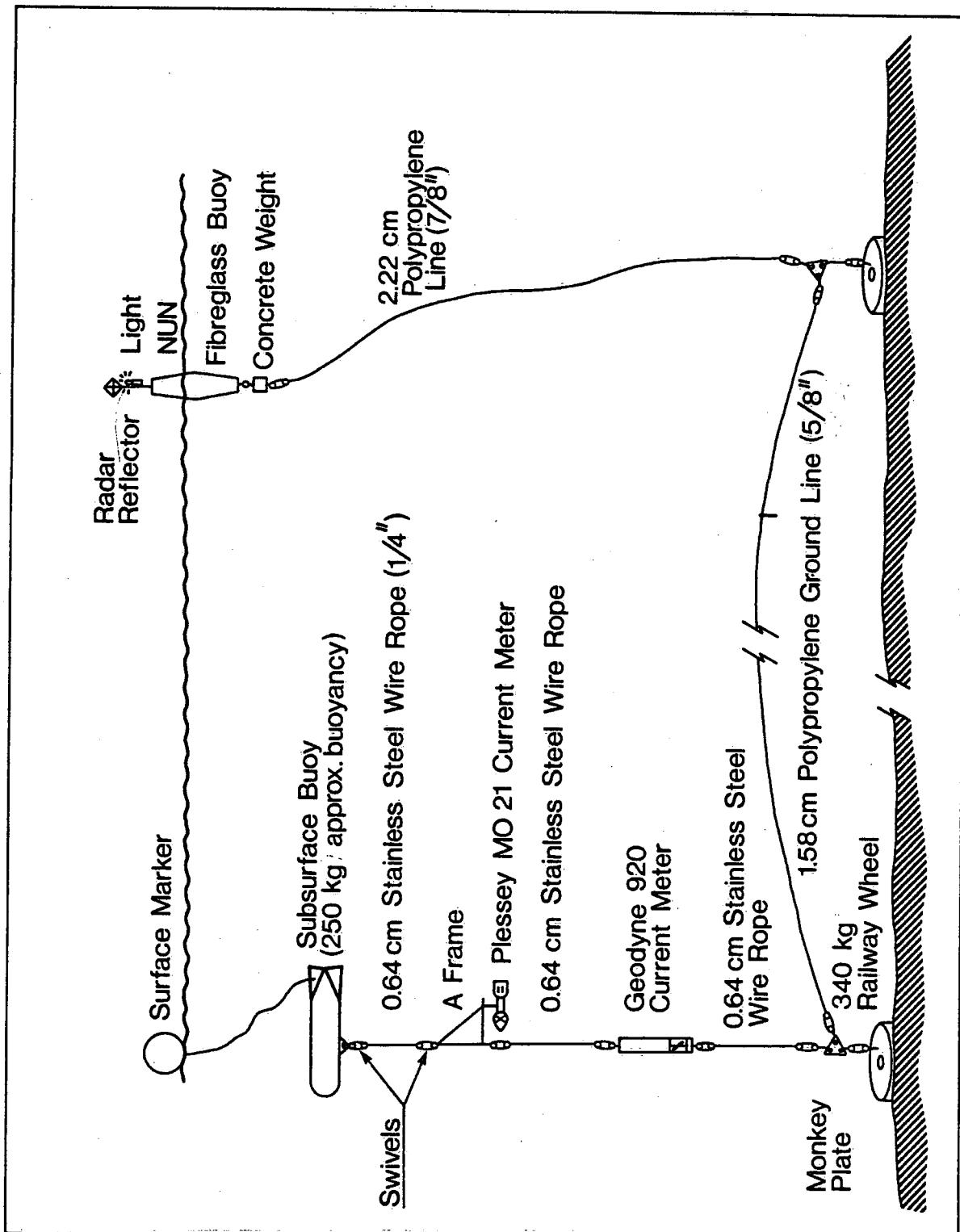
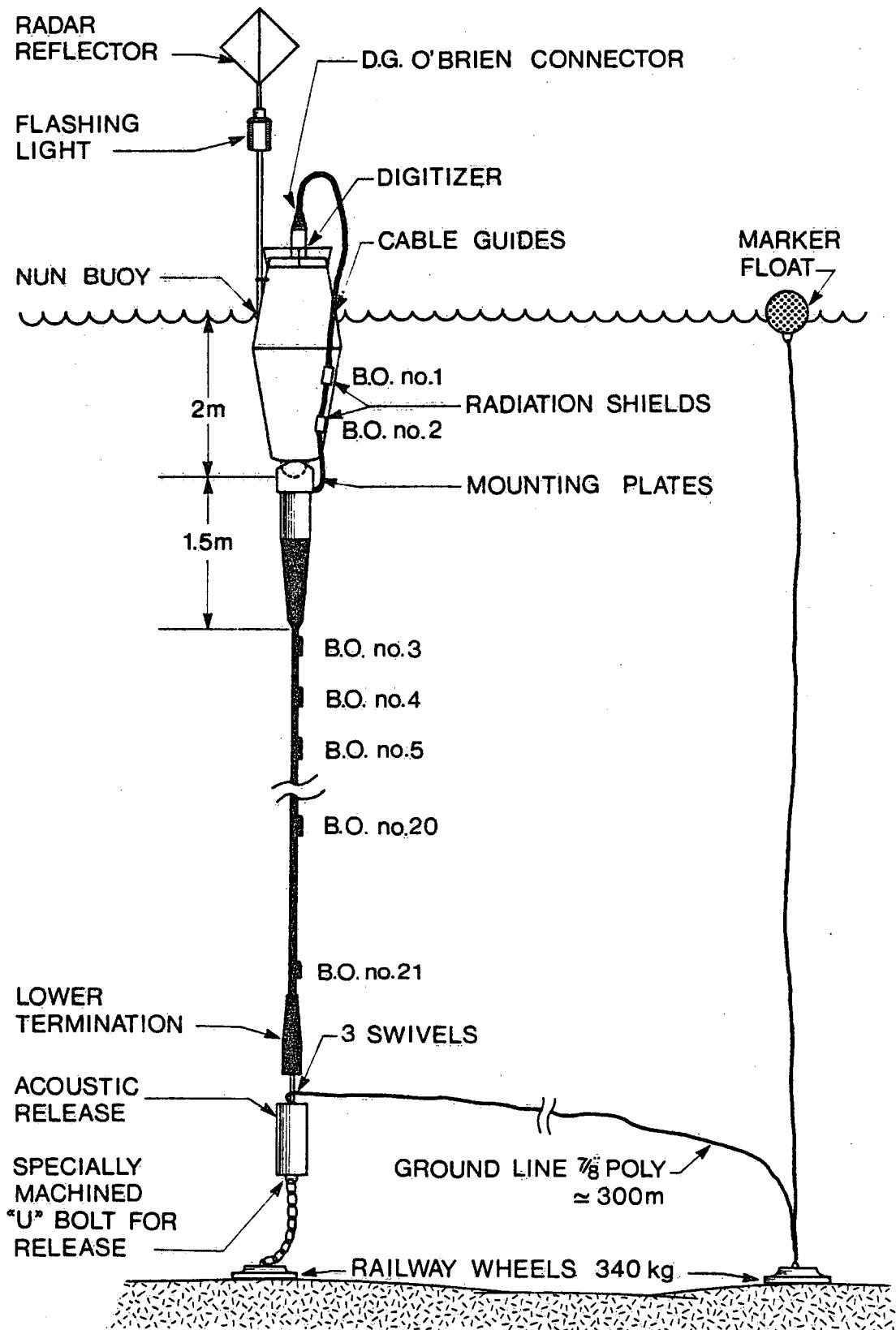
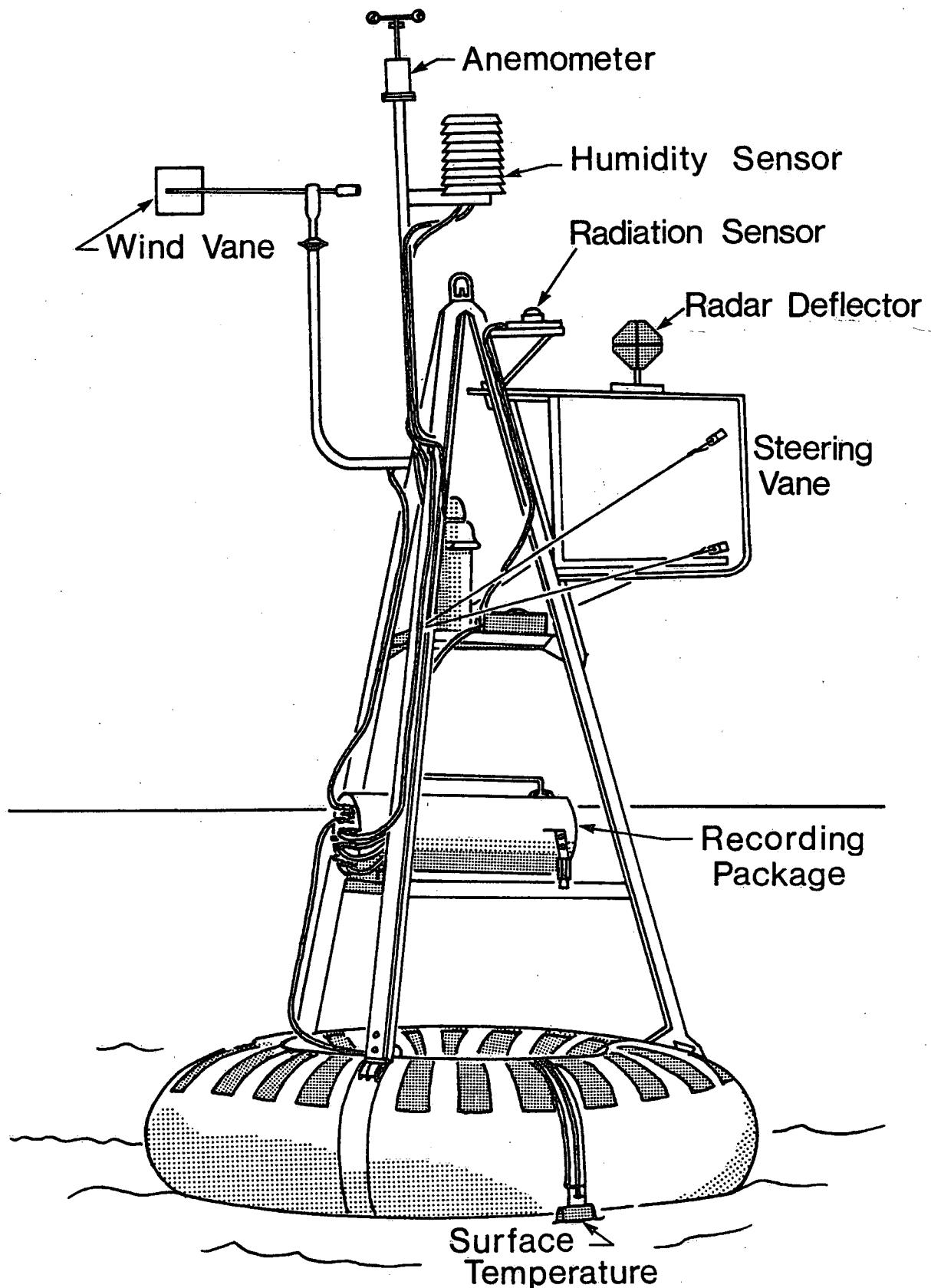


Figure A2

TYPICAL CURRENT MOORING – C.C.I.W



Typical C.C.I.W. Surface and Upright FTP Mooring



TYPICAL CCIW METEOROLOGICAL BUOY

**APPENDIX B: DATA SUMMARIES**

## TIME SERIES DATA COLLECTION SUMMARY: BRUCE NUCLEAR COMPLEX, LAKE HURON, 1974

Mooring Number	Variables Measured	Instruments	Water Depth m	Instrument Depths m
2	WS WD AT WT	HR	101	4.0 4.0 3.6 SFC
4	WT	FTP	100	0.1, 0.9, 3.4, 5.2, 7.2, 10.2, 13.2, 16.2, 20.3, 24.3, 28.3, 32.3, 37.3, 42.4, 48.4, 54.4, 62.4, 70.4, 78.4, 88.4, 98.5
5	WT	FTP	71	0.4, 1.2, 3.4, 5.4, 8.4, 11.4, 14.4, 17.4, 20.4, 23.4, 26.4, 29.4, 32.4, 35.4, 38.4, 42.4, 46.4, 50.4, 54.4, 58.4, 63.4
6	WT	FTP	31	0.4, 1.2, 3.4, 4.4, 5.4, 6.4, 7.4, 8.4, 9.3, 10.4, 12.3, 14.3, 16.3, 18.3, 20.3, 22.3, 24.3, 26.3
7	WT	FTP	43	0.7, 1.5, 3.6, 5.6, 7.6, 9.6, 11.6, 13.6, 15.6, 17.6, 19.6, 21.6, 23.6, 25.6, 27.6, 30.5, 35.6, 40.6
8	CS/CD/WT	PCM PCM	102	10 45
9	CS/CD/WT	PCM PCM/GCM GCM	72	10 35 69
10	CS/CD/WT	PCM GCM	55	52

HR - Hymet Recorder

FTP - Fixed Temperature Profiler

PCM - Plessey Current Meter

GCM - Geodyne Current Meter

SFC - Surface

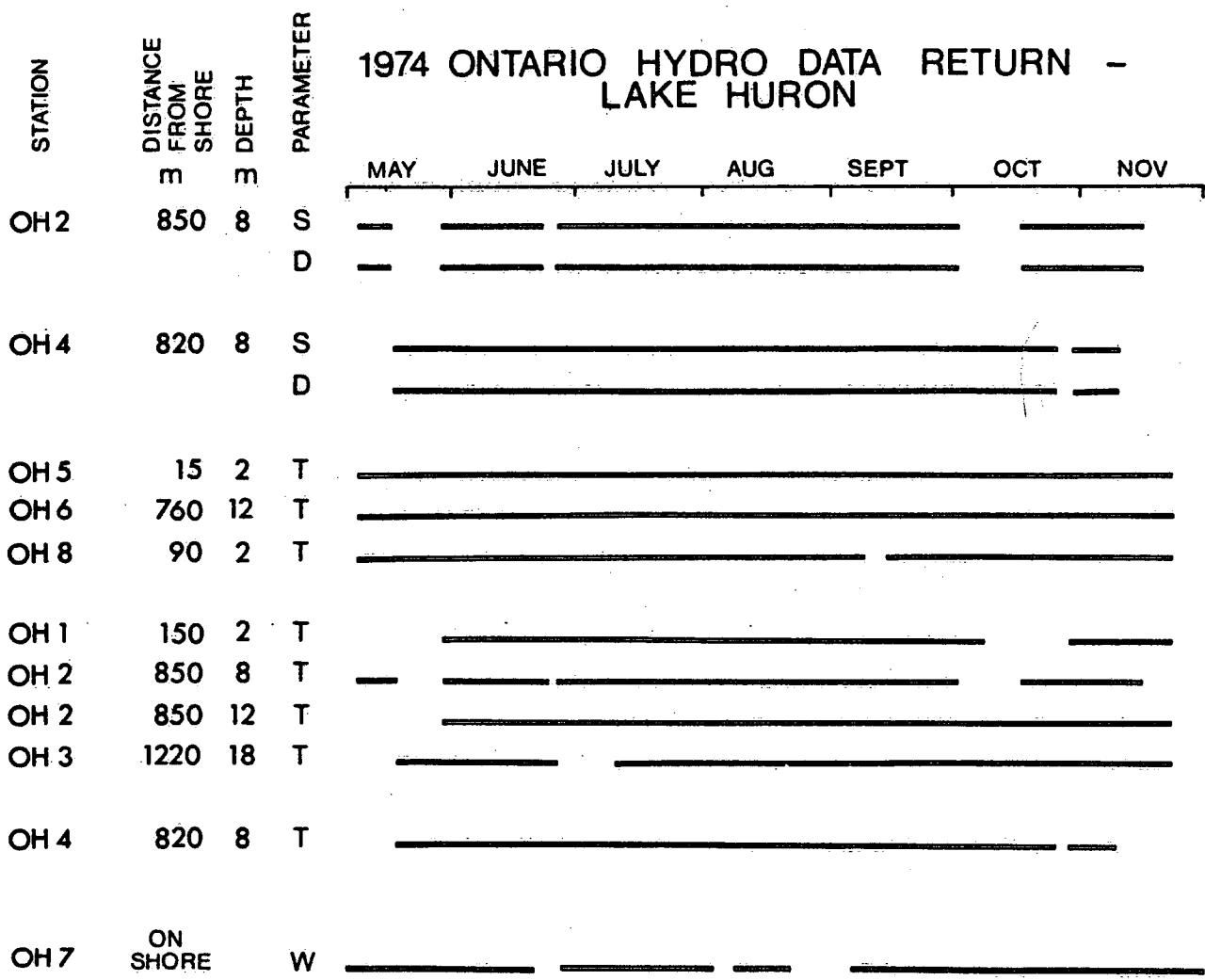
Useful Data Period	Sampling Rate min	Latitude	Longitude
May 15/Nov 20	10	N44° 21' 30"	W81° 42' 30"
	10		
	10		
	10		
Jul 20/Oct 10	10	N44° 21' 56"	W81° 41' 50"
Jun 07/Nov 04	10	N44° 20' 54"	W81° 39' 55"
May 16/Nov 04	10	N44° 19' 55"	W81° 37' 33"
May 15/Nov 20	10	N44° 23' 23"	W81° 37' 26"
NIL	20	N44° 21' 33"	W81° 42' 09"
May 15/Nov 21	20		
Jul 20/Nov 21	20	N44° 21' 00"	W81° 41' 33"
Jul 20/Nov 21	20/10		
May 15/Sep 20	10		
May 15/Oct 20	20	N44° 21' 31"	W81° 39' 30"
May 15/Oct 20	10		

Mooring Number	Variables Measured	Instruments	Water Depth m	Instrument Depths m
11	CS/CD/WT	Plessey CM Geodyne CM	42.4	10 40
12	CS/CD/WT	Plessey CM Geodyne CM	36.6	10 34
13	CS/CD/WT	Plessey CM Geodyne CM	30.5	10 28
14	CS/CD/WT	Plessey CM Geodyne CM	29.0	10 26
15	CS/CD/WT	Plessey CM Geodyne CM	21.0	10 19
16	CS/CD/WT	Geodyne CM	12	10
OH1	WT	Rustrak & Thermistor	2	2
OH2	WT	Rustrak & Thermistor	15	8, 12
	CS/CD	Hydro Products CM		8
OH3	WT	Rustrak & Thermistor	20	18
OH4	WT	Rustrak & Thermistor	14	8
	CS/CD	Hydro Products CM		8
OH5	WT	Rustrak & Thermistor	2	2
OH6	WT	Rustrak & Thermistor	12	12
OH7	WS/WD	Anemometer & Vane	N/A	
OH8	WT	Rustrak & Thermistor	2	2

WS - wind speed  
 WD - wind direction  
 AT - air temperature  
 WT - water temperature

SFC - surface  
 CS - current speed  
 CD - current direction  
 OH - Ontario Hydro

Useful Data Period	Sampling Rate min	Latitude	Longitude
Jul 20/Nov 21	20	N44° 20' 18"	W81° 38' 51"
Jul 20/Nov 08	10		
May 15/Nov 21	20	N44° 20' 02"	W81° 38' 17"
May 15/Nov 21	10		
May 15/Nov 21	20	N44° 19' 54"	W81° 37' 38"
May 15/Nov 08	10		
May 15/Nov 21	20	N44° 19' 47"	W81° 37' 24"
May 15/Nov 21	10		
May 15/Nov 21	20	N44° 19' 37"	W81° 36' 53"
May 15/Nov 10	10		
Jul 20/Aug 25	10	N44° 19' 30"	W81° 36' 33"
May 25/Nov 20	60	N44° 19' 05"	W81° 36' 50"
May 28/Nov 20	60	N44° 19' 09"	W81° 36' 50"
May 04/Nov 15	60		
May 15/Nov 20	60	N44° 19' 14"	W81° 37' 02"
May 15/Nov 10	60	N44° 20' 02"	W81° 36' 23"
May 15/Nov 15	60		
May 04/Nov 20	60	N44° 20' 30"	W81° 35' 29"
May 04/Nov 20	60	N44° 20' 44"	W81° 35' 44"
May 01/Nov 30	60	N44° 20' 35"	W81° 35' 12"
May 04/Nov 20	60	N44° 20' 51"	W81° 34' 12"



**LEGEND**

- S CURRENT SPEED
- D CURRENT DIRECTION
- T WATER TEMPERATURE
- W WIND DATA

Figure B1

# CCIW LAKE CURRENT OBSERVATIONS

## Lake Huron 1974

### RESUME OF TEMPERATURE AND CURRENT METER - DATA RETURN

Temperature  
Speed  
Direction

1974

	MAY	JUN	JUL	AUG	SEP	OCT	NOV
	20	10	20	10	20	10	20

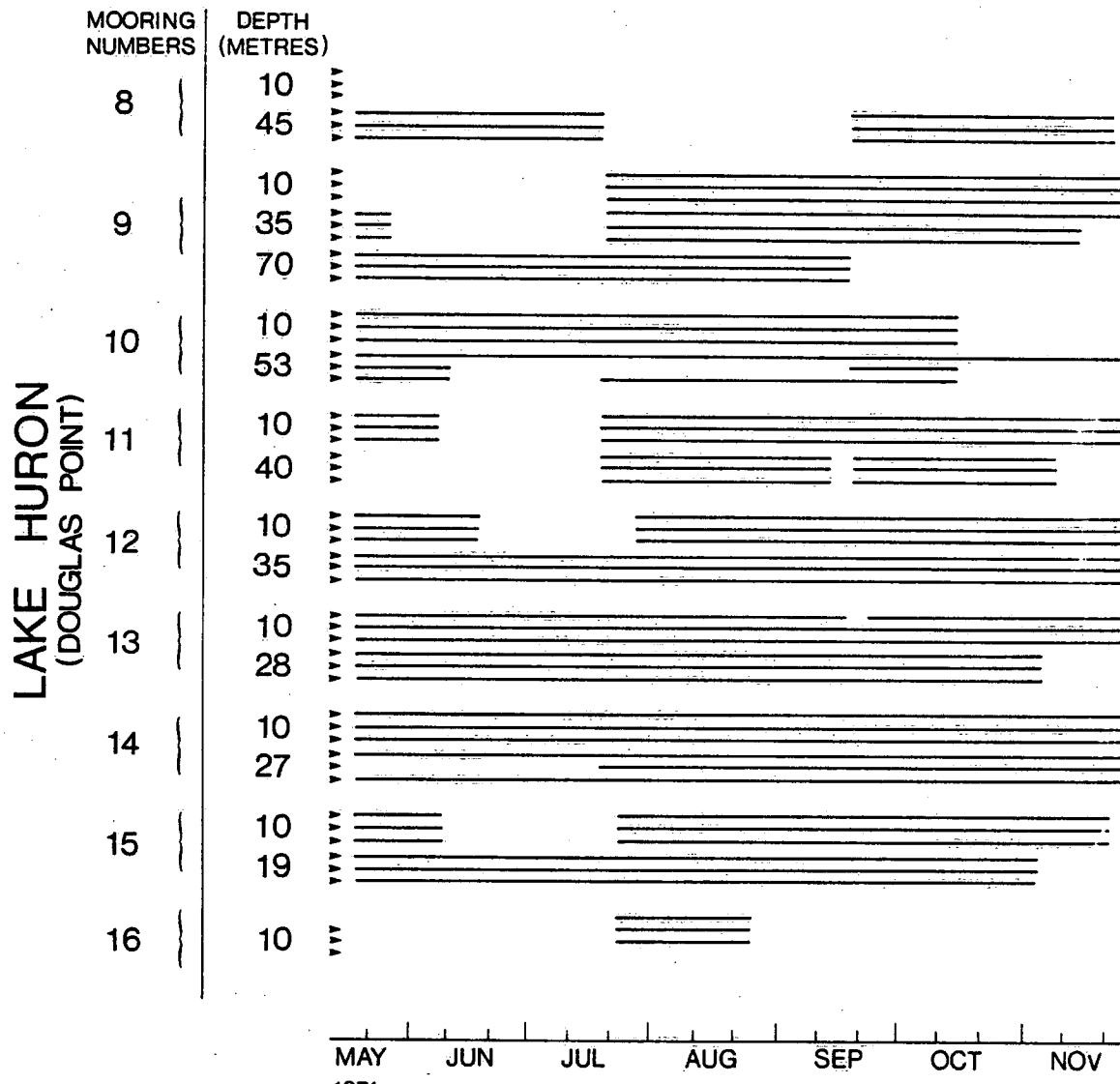
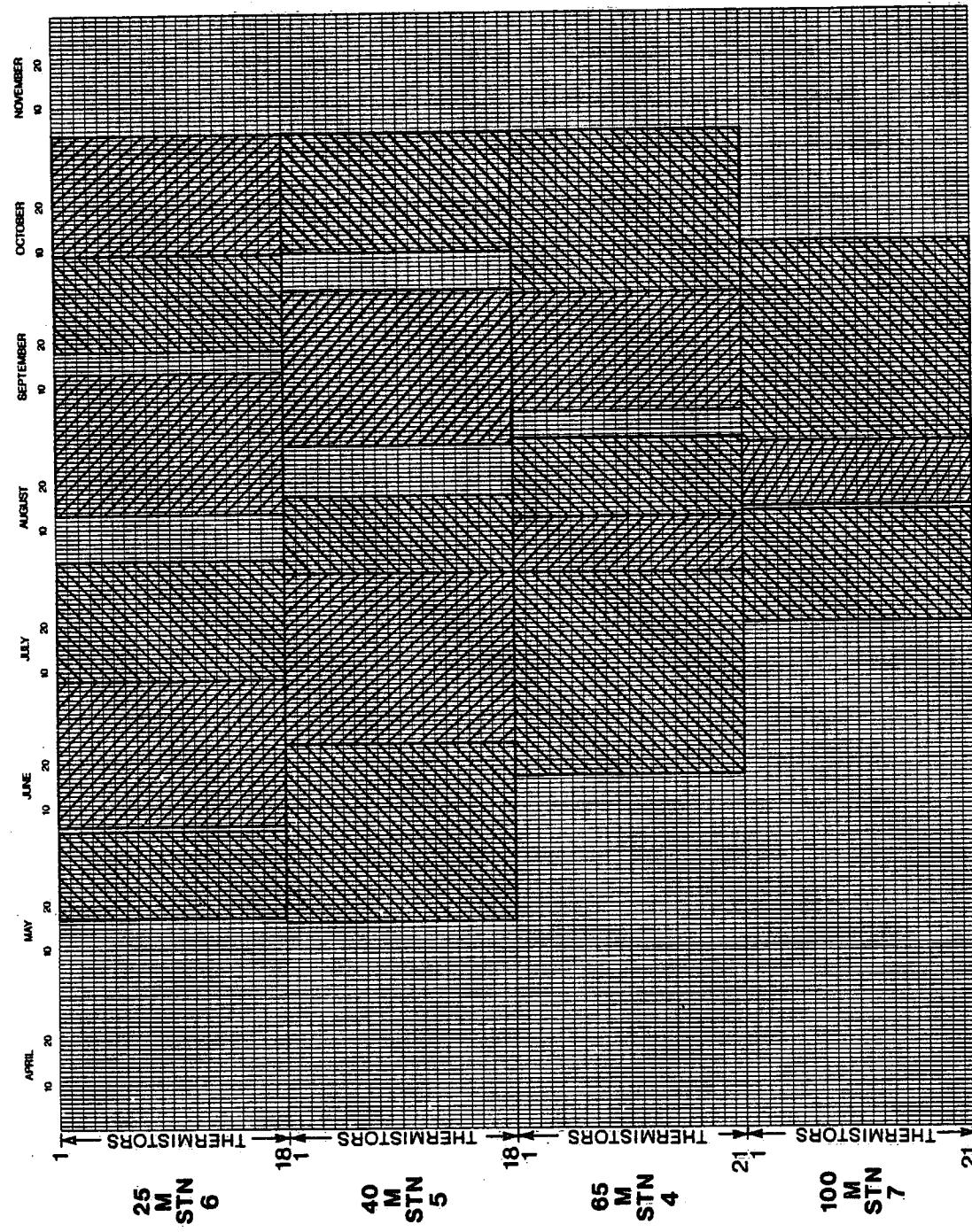
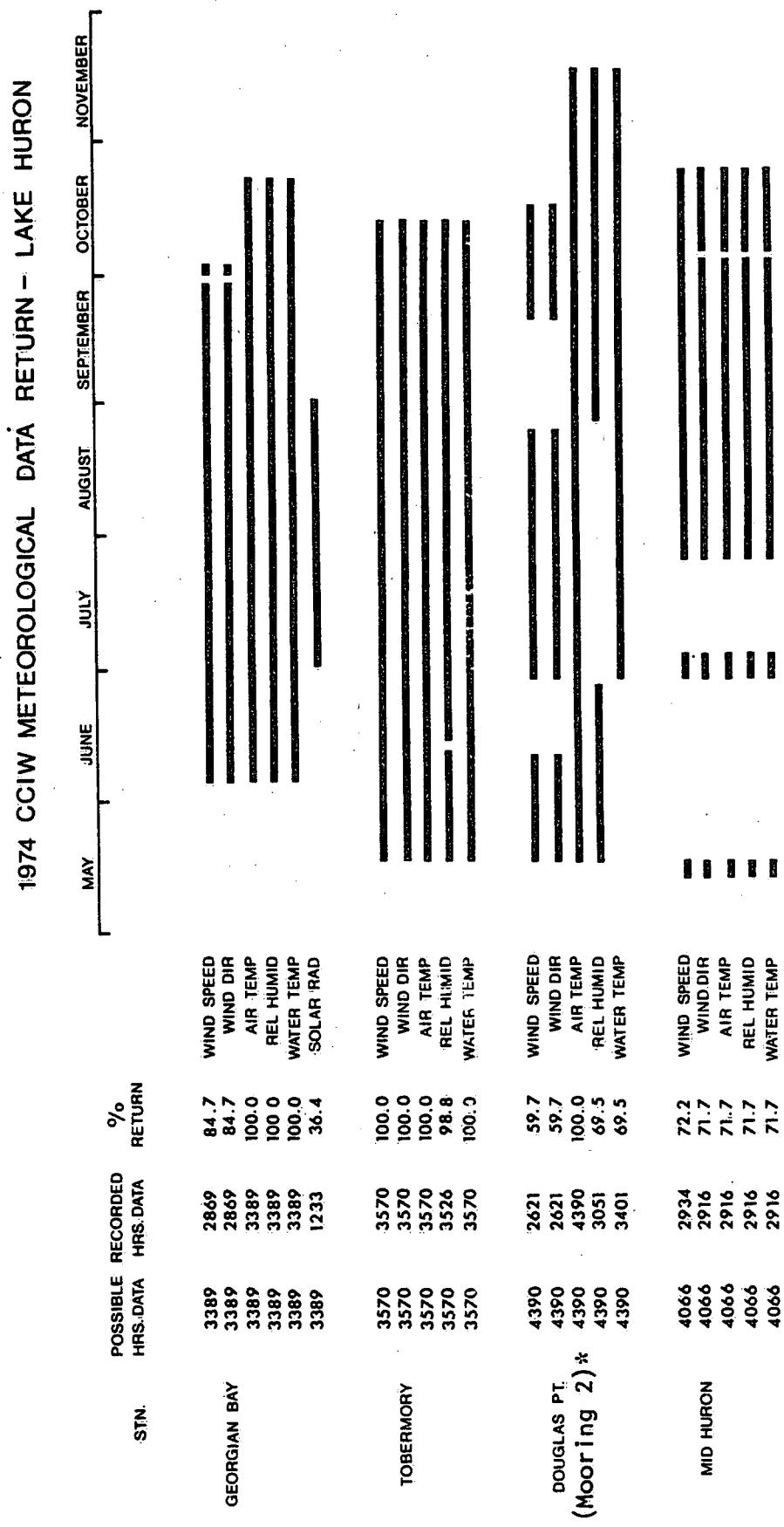


Figure B2



**Figure B3**



\* Of the data available above, this report displays only the Douglas Point (Mooring 2).

Figure B4

**APPENDIX C: DISPLAYS OF THE CURRENT, TEMPERATURE AND METEOROLOGICAL DATA SET.**

**MAY 1974**

# METEOROLOGICAL DATA

MOORING: 2

DATE: MAY 1974

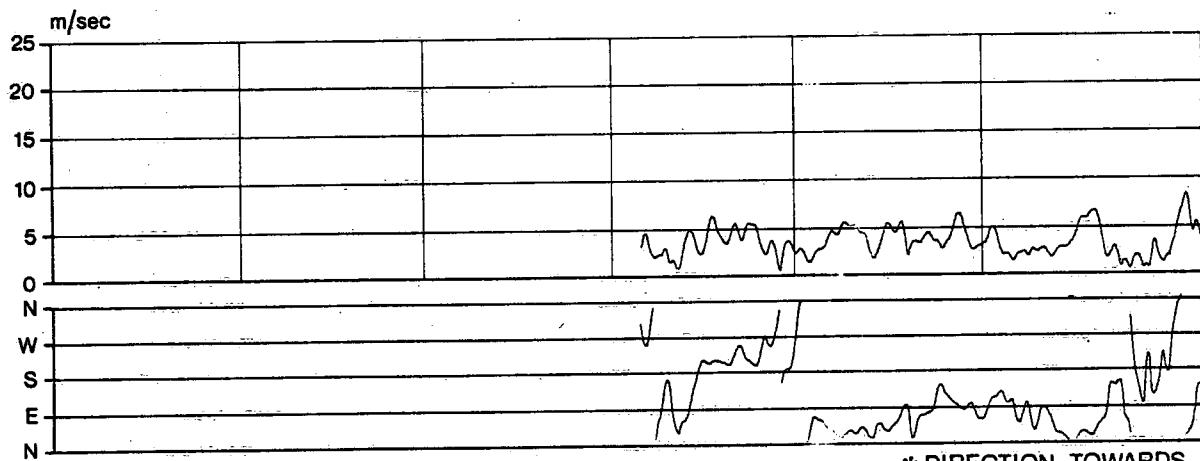
## FILTERED WIND (0.0-0.05 cph)

0      10 m/sec

N

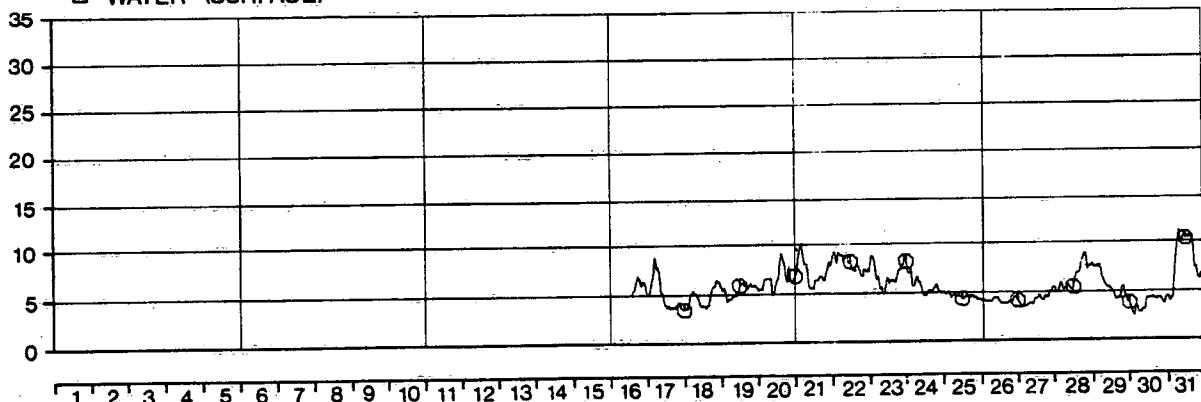


## FILTERED WIND (0.0-0.2 cph)\*



## TEMPERATURE °C

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)



## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

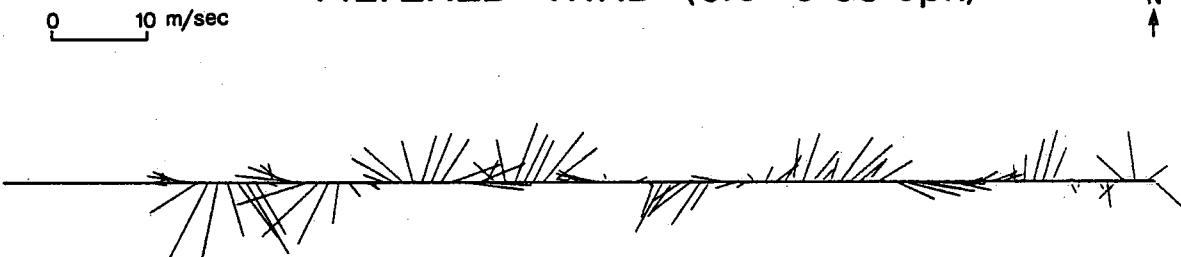
DAY	TMAX	TMIN									
1			9			17	8.8	3.2	25	4.9	4.1
2			10			18	6.4	3.4	26	4.5	3.7
3			11			19	6.1	4.1	27	5.5	3.3
4			12			20	9.1	4.8	28	8.8	4.8
5			13			21	10.2	5.3	29	7.6	3.7
6			14			22	9.1	6.6	30	4.4	2.3
7			15			23	8.8	4.7	31	11.3	3.8
8			16	6.9	4.5	24	7.4	4.5			

# METEOROLOGICAL DATA

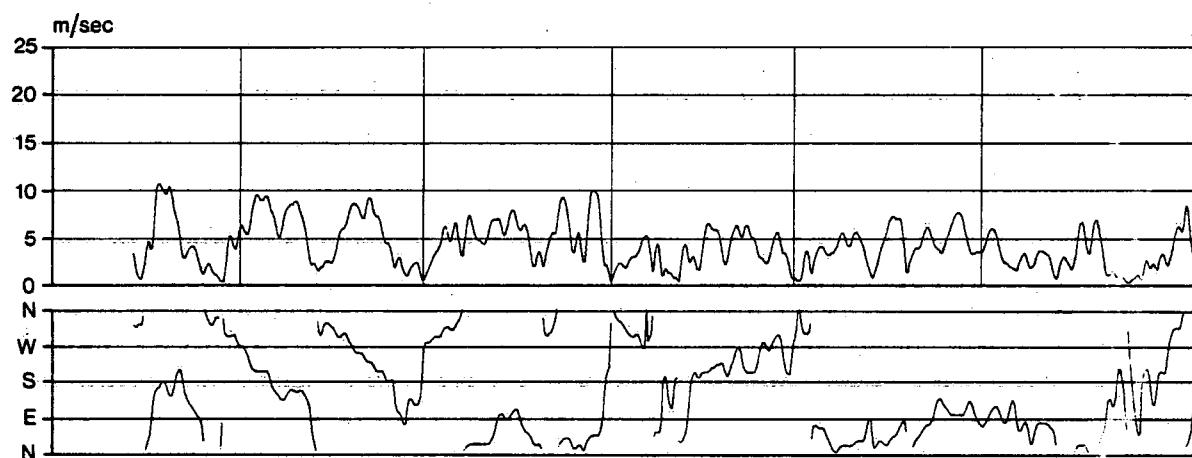
MOORING: OH7

DATE: MAY 1974

## FILTERED WIND (0.0-0.05 cph)



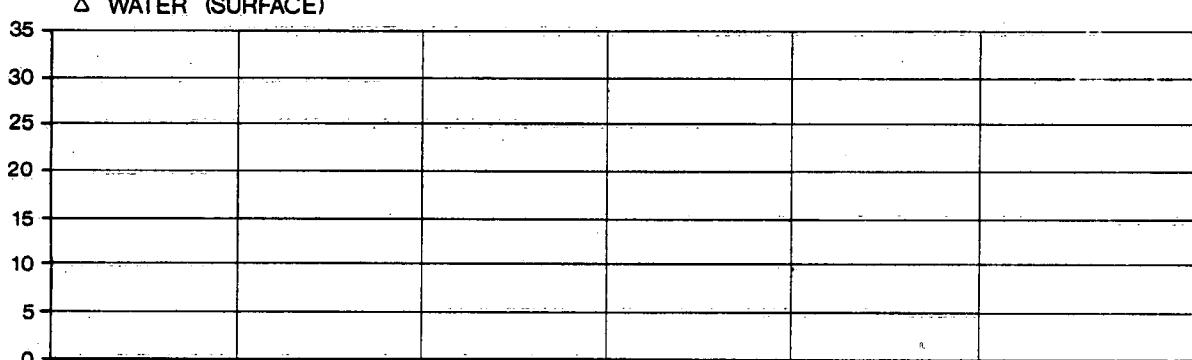
## FILTERED WIND (0.0-0.2 cph)\*



\* DIRECTION TOWARDS

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

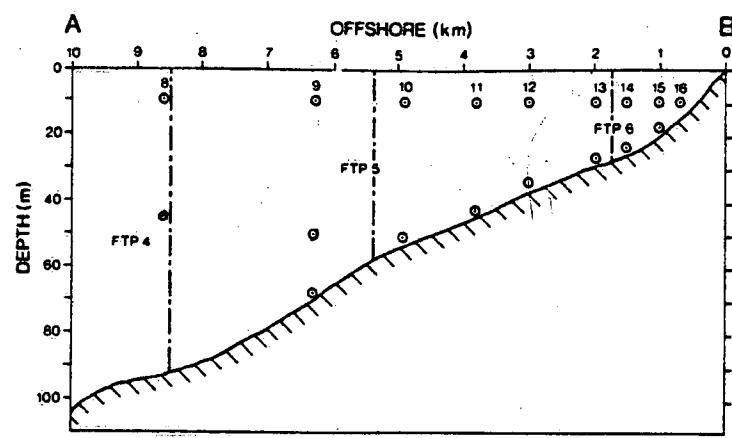
## TEMPERATURE °C



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' 27' 28' 29' 30' 31'

## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN									
1			9			17			25		
2			10			18			26		
3			11			19			27		
4			12			20			28		
5			13			21			29		
6			14			22			30		
7			15			23			31		
8			16			24					

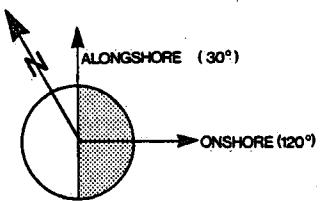


MOORING 8

MAY 1974

MOORING: 8

DATE: MAY 1974



WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 45 m



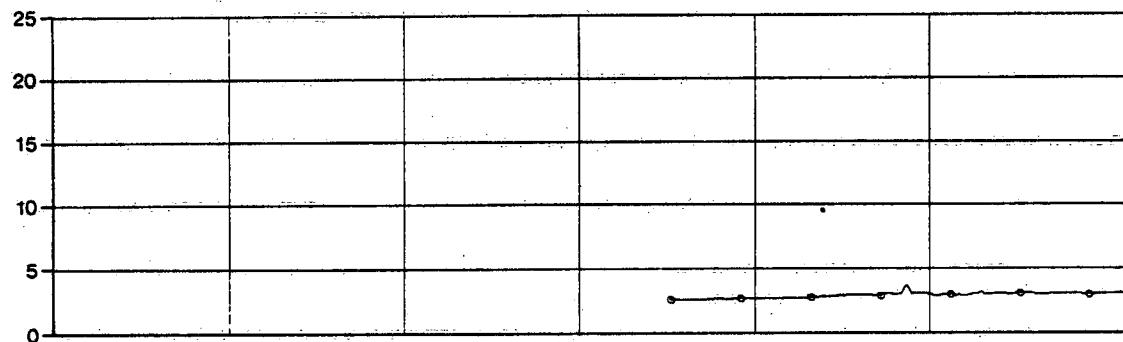
'1 '2 '3 '4 '5 '6 '7 '8 '9 '10 '11 '12 '13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31

MOORING: 8

DATE: MAY 1974

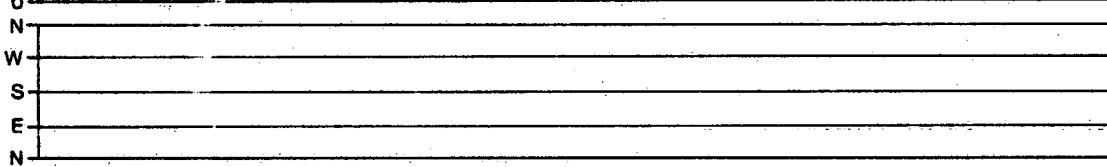
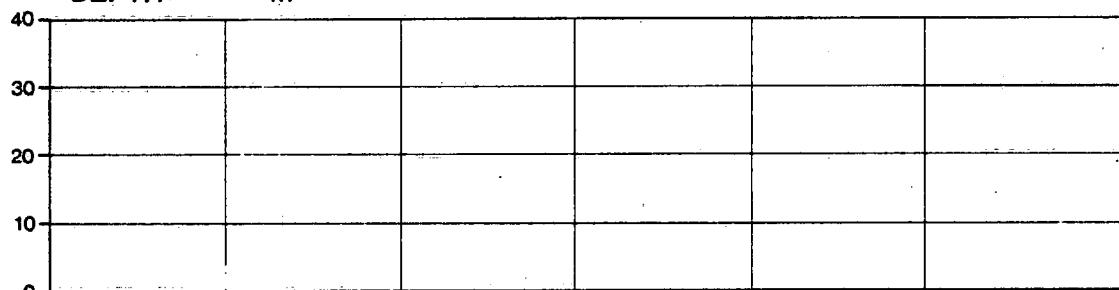
TEMPERATURE °C

△ - m  
○ - 45 m

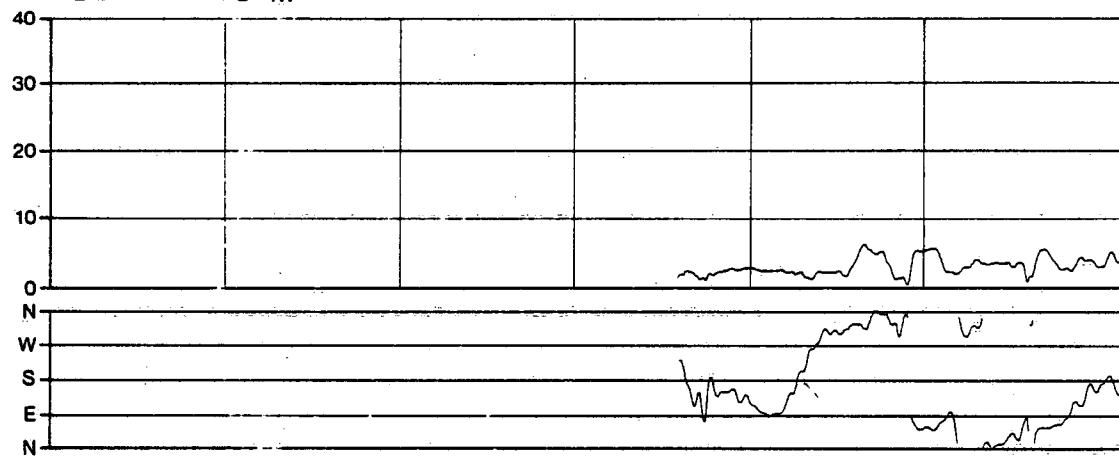


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: m



DEPTH: 45 m



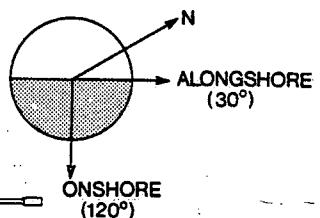
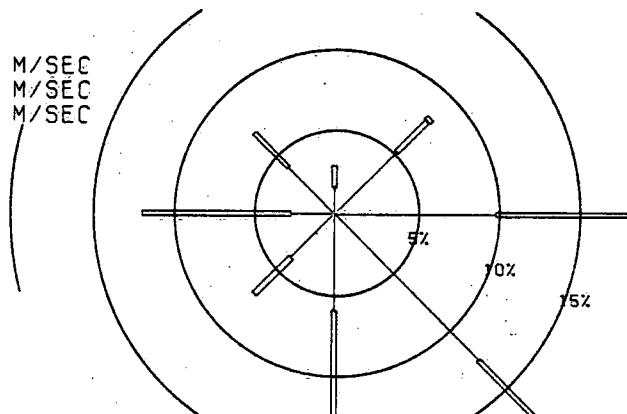
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 8

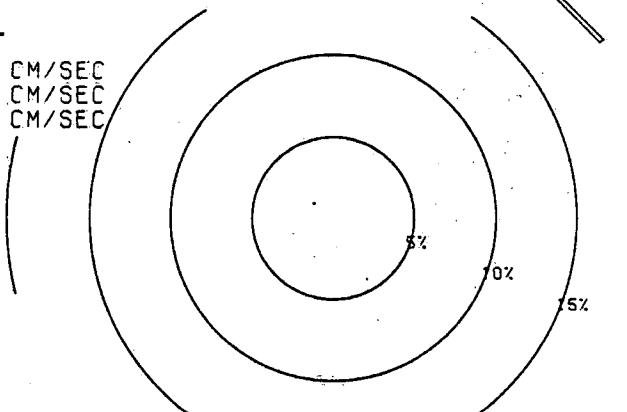
DATE: MAY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

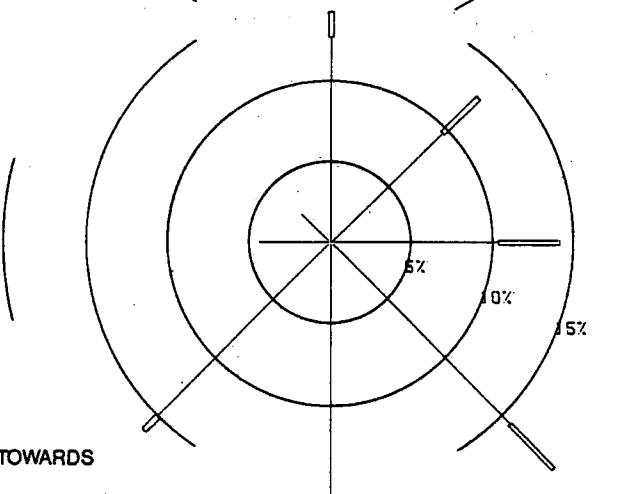


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

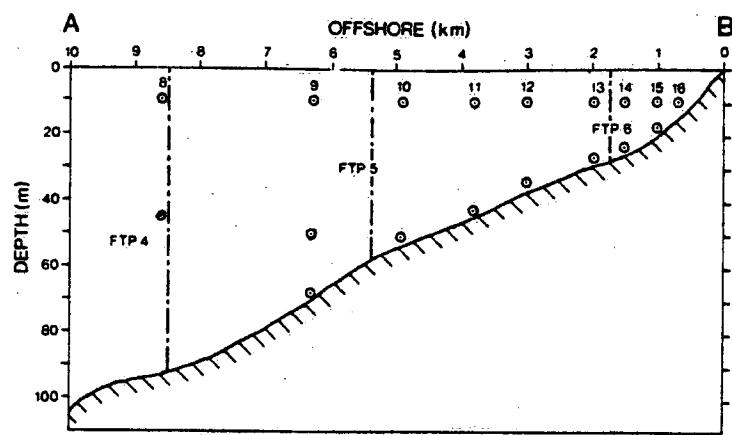


DEPTH: m

\*DIRECTION TOWARDS



DEPTH: 45 m

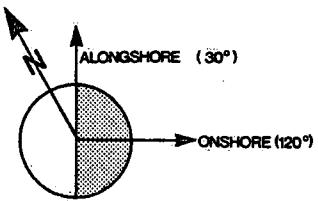


MOORING 9

MAY 1974

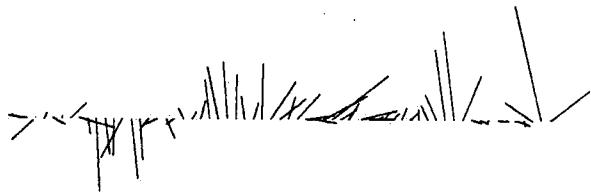
MOORING: 9

DATE: MAY 1974



WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 35 m

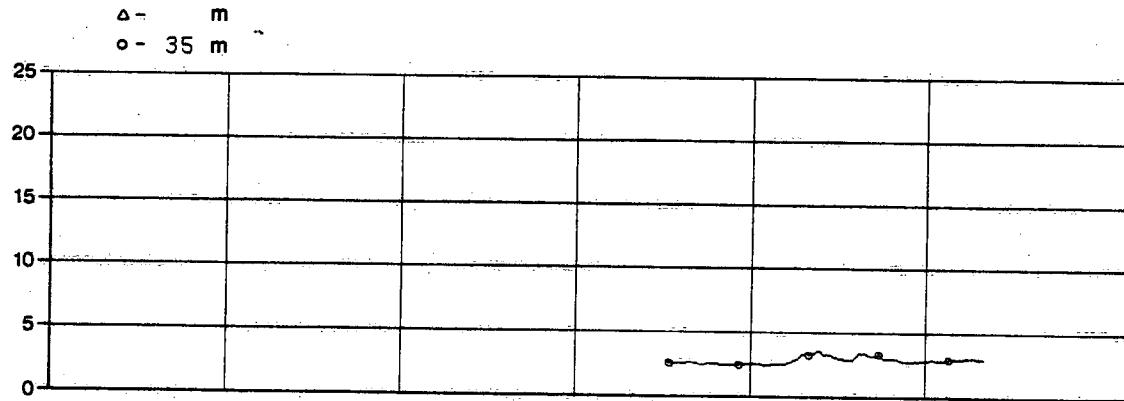


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

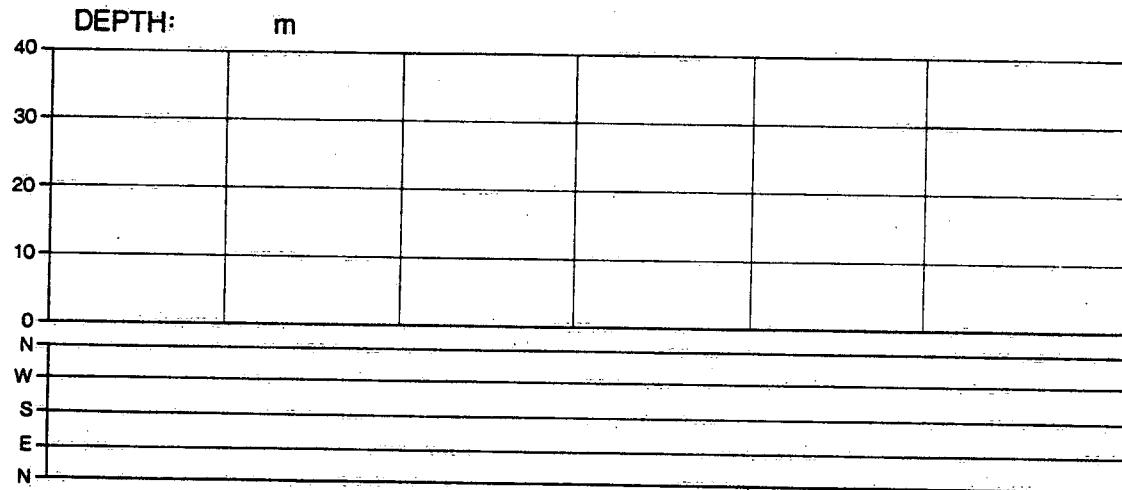
MOORING: 9

DATE: MAY 1974

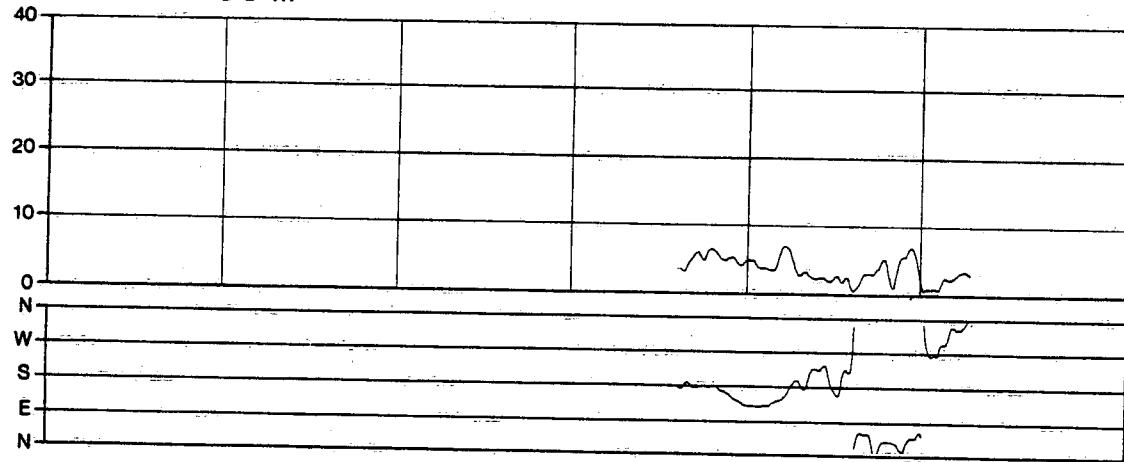
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 35 m



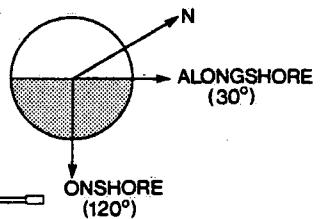
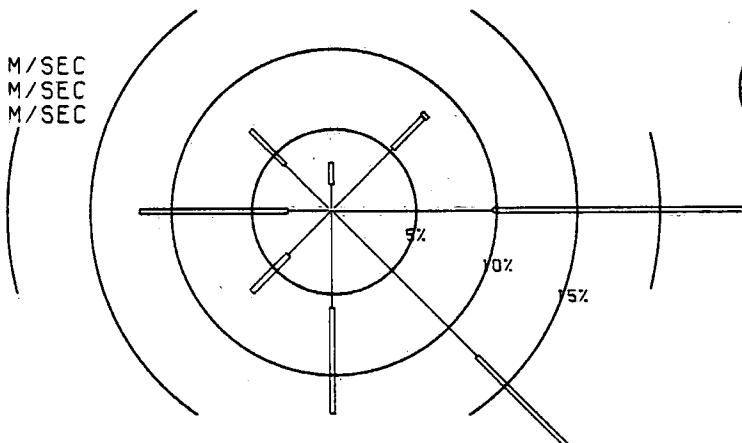
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

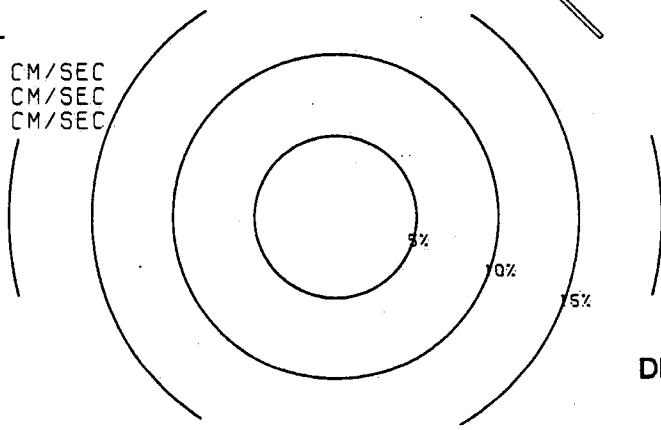
DATE: MAY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

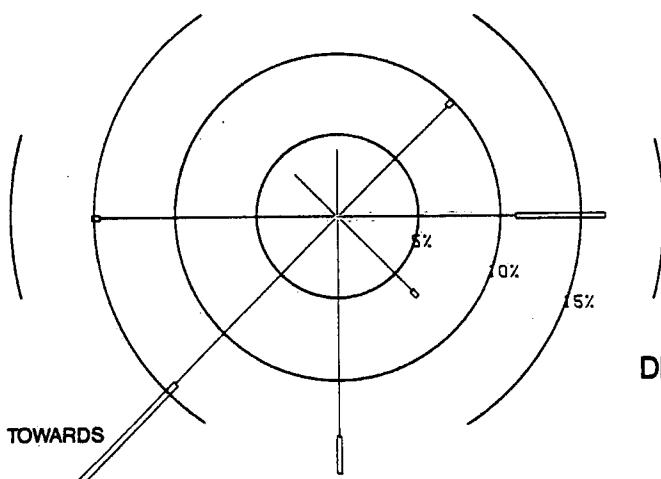
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

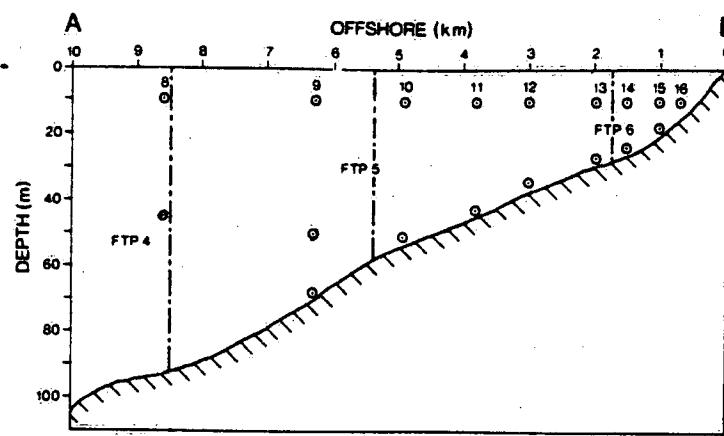


DEPTH: m



DEPTH: 35 m

\*DIRECTION TOWARDS

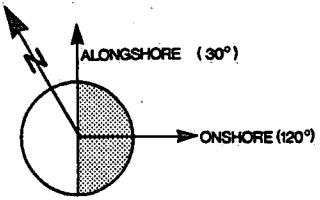


MOORING 9

MAY 1974

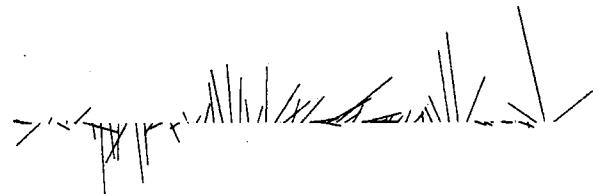
**MOORING: 9**

**DATE: MAY 1974**



**WINDSPEED<sup>2</sup>**

0  $\text{m}^2/\text{sec}^2$



**DEPTH: 70 m**

**FILTERED CURRENT  
(0.0 TO 0.05 cph)**

0  $\text{cm/sec}$



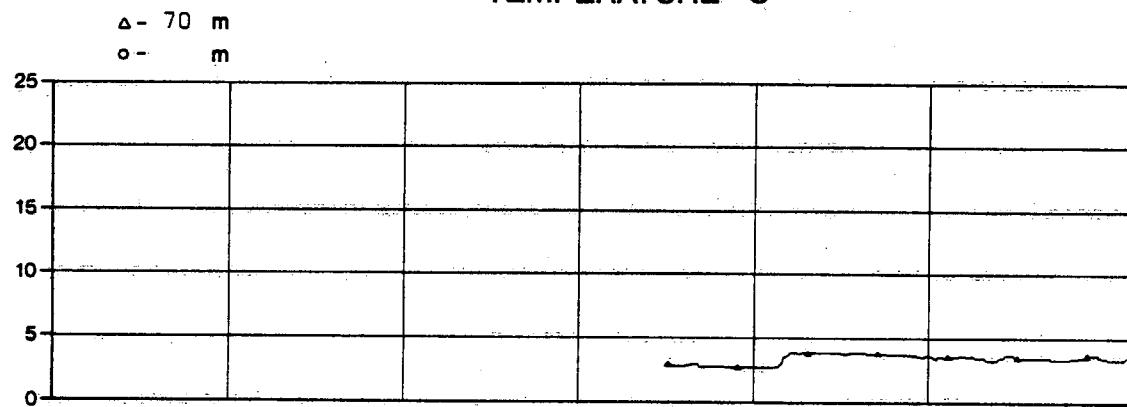
**DEPTH: m**

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 27 28 29 30 31

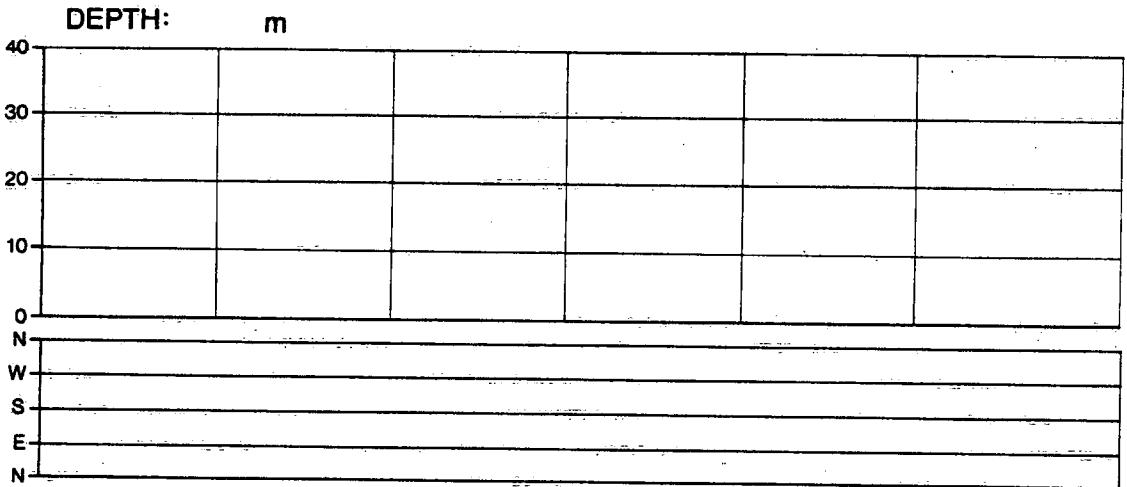
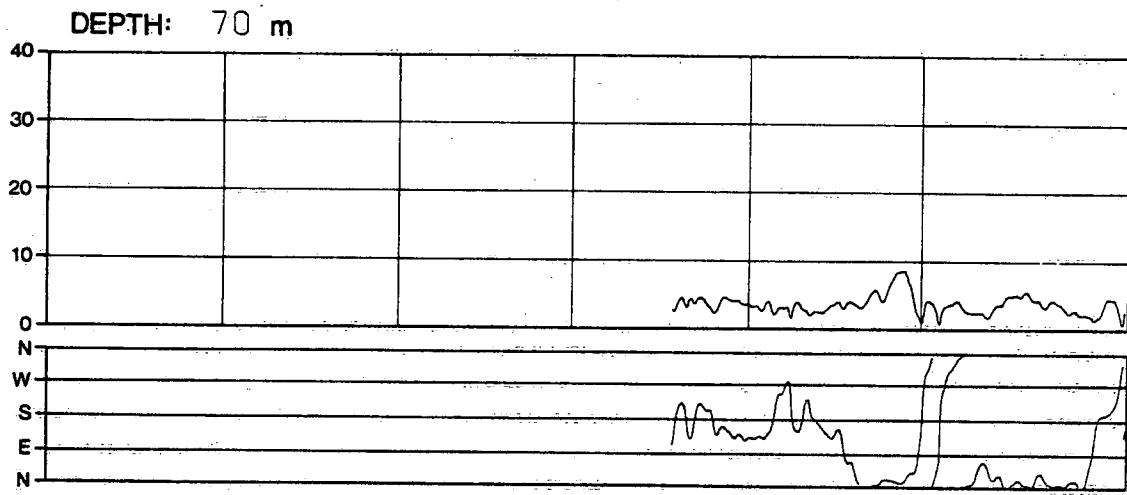
MOORING: 9

DATE: MAY 1974

TEMPERATURE °C



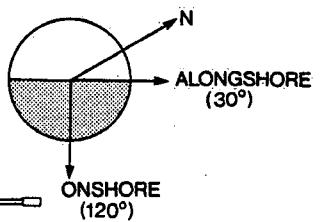
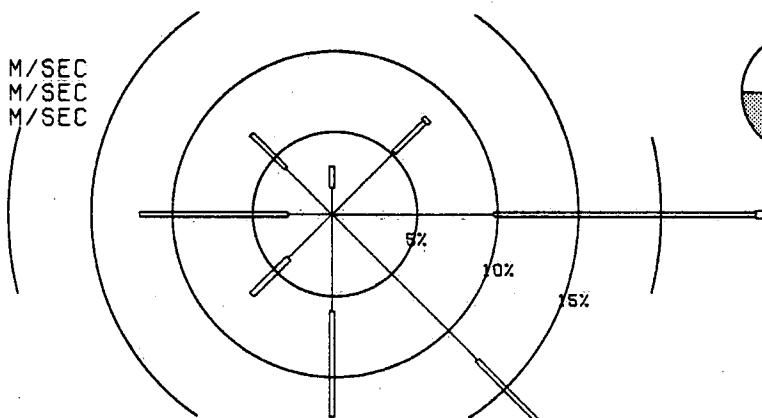
FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



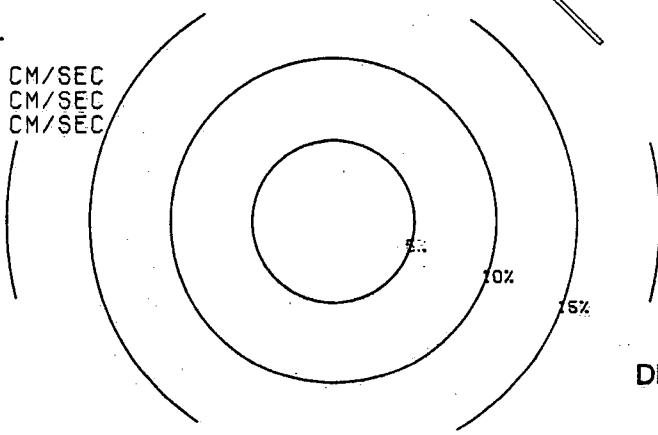
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 9 DATE: MAY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

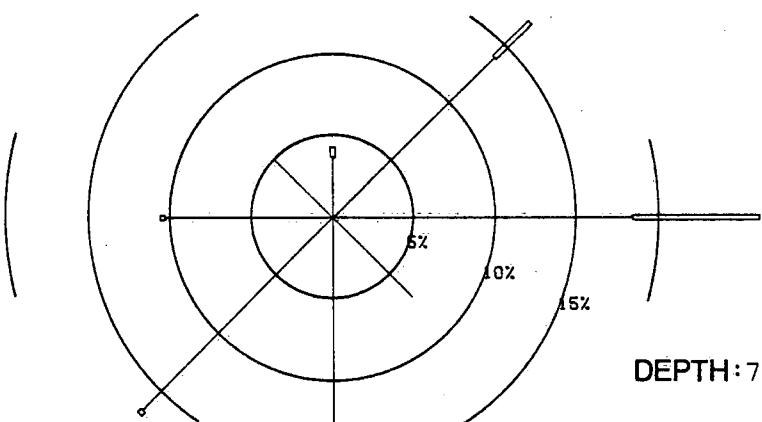
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

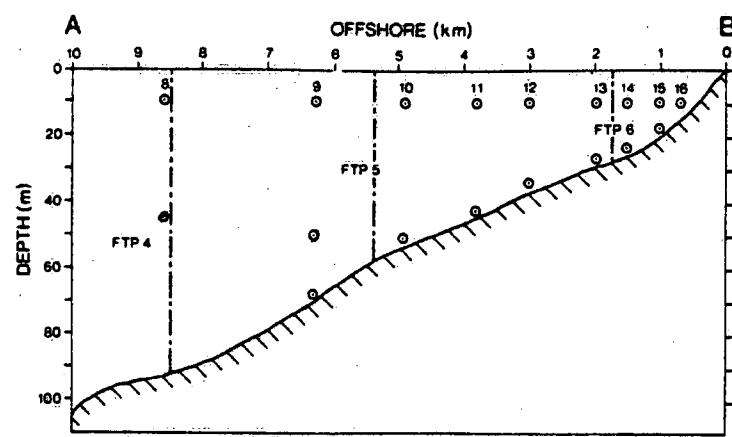


DEPTH: m



DEPTH: 70 m

\*DIRECTION TOWARDS

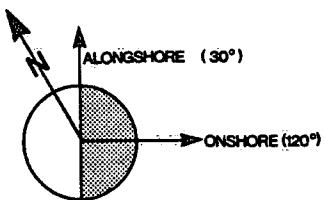


MOORING 10

MAY 1974

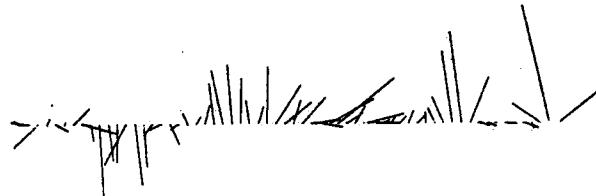
MOORING: 10

DATE: MAY 1974



WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 53 m



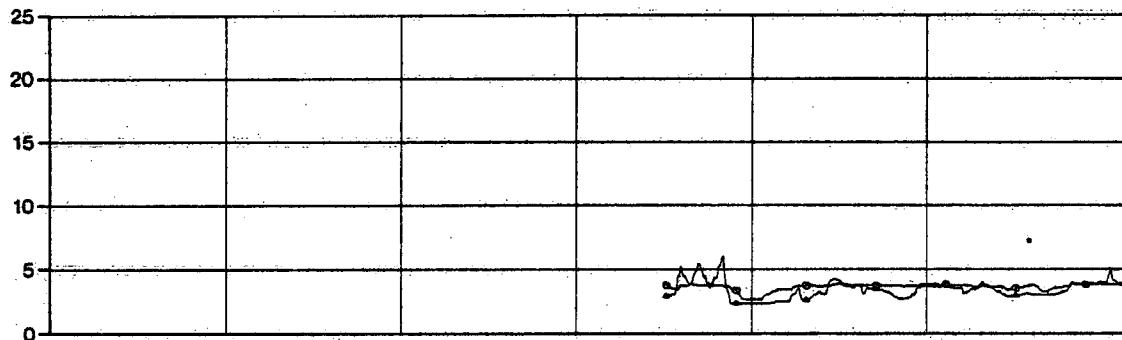
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 10

DATE: MAY 1974

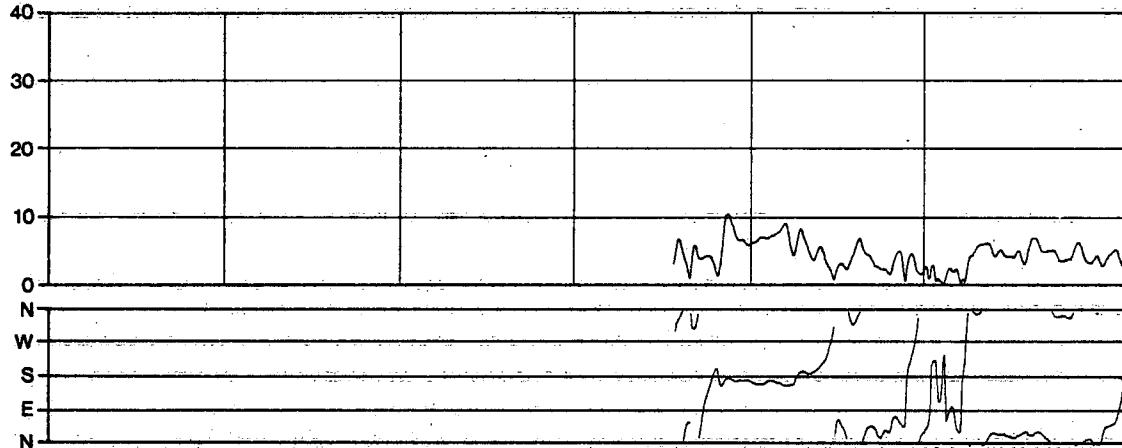
TEMPERATURE °C

△ - 10 m  
○ - 53 m

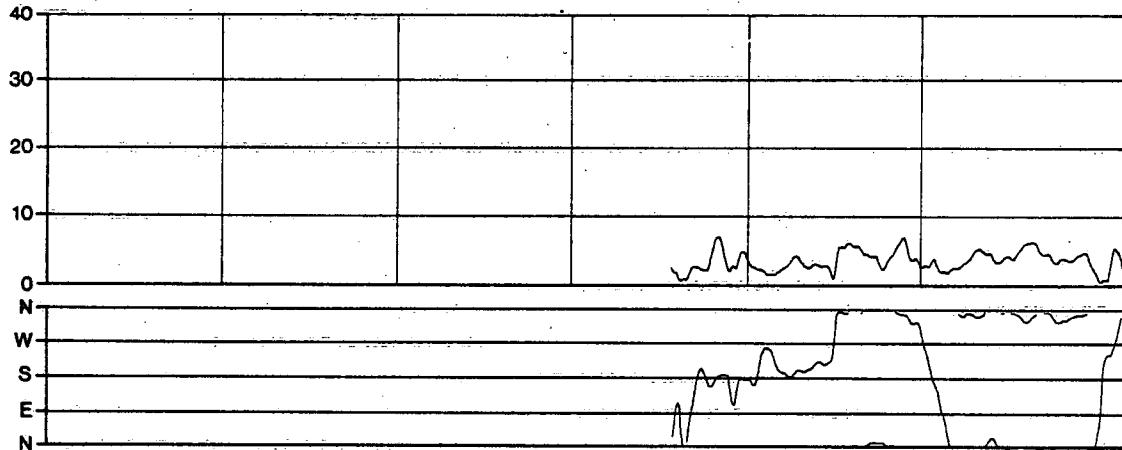


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 53 m



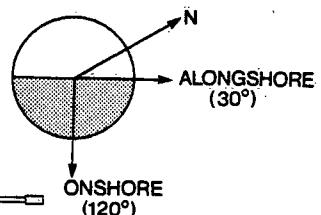
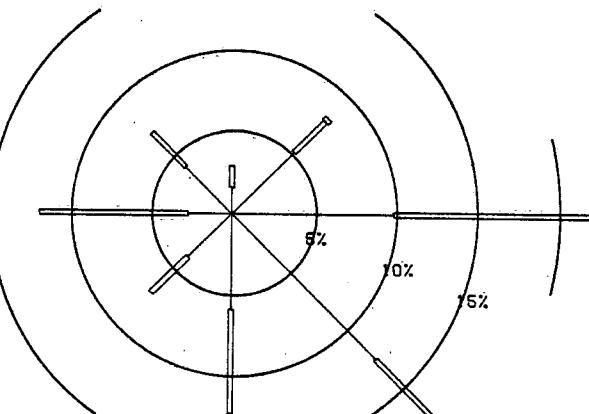
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 10

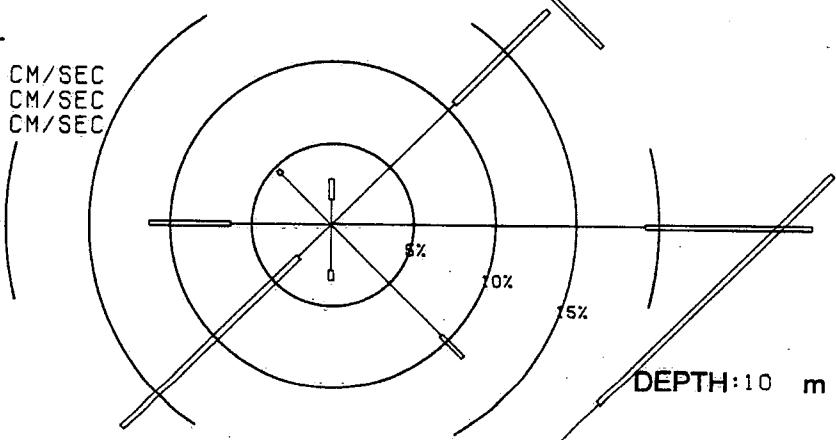
DATE: MAY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

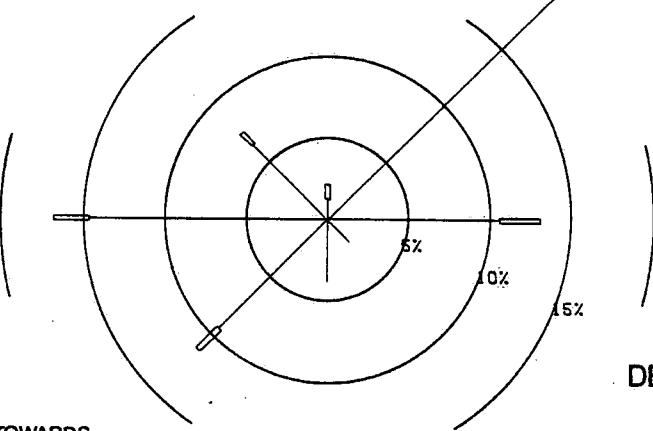
**WIND**  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



**CURRENT**  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

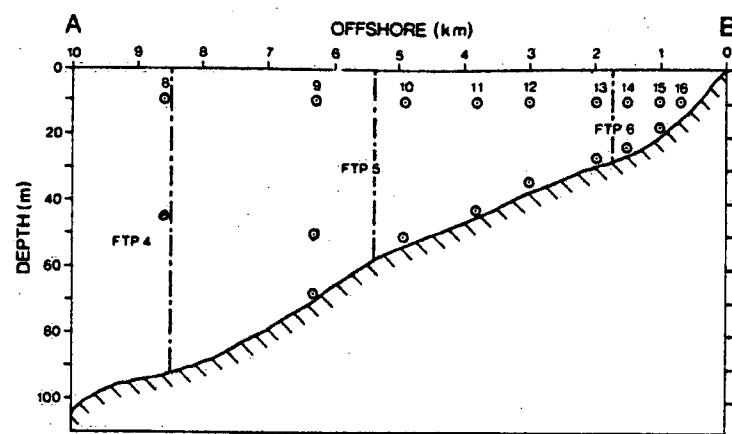


DEPTH: 10 m



DEPTH: 53 m

\*DIRECTION TOWARDS

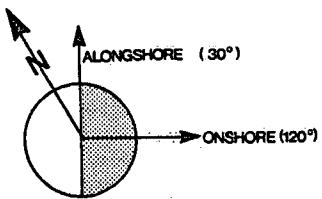


MOORING 11

MAY 1974

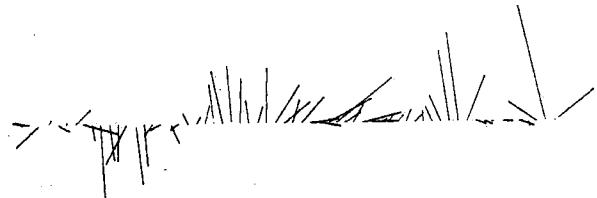
MOORING: 11

DATE: MAY 1974



WINDSPEED<sup>2</sup>

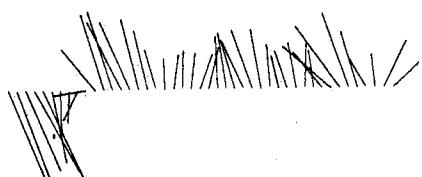
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

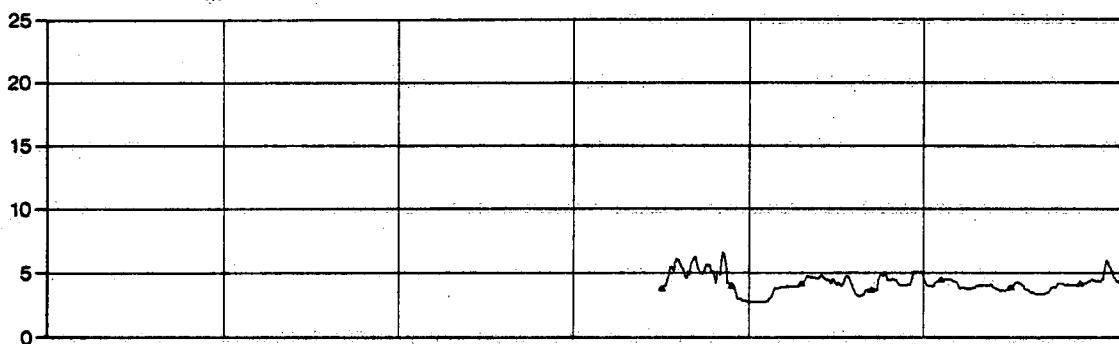
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11

DATE: MAY 1974

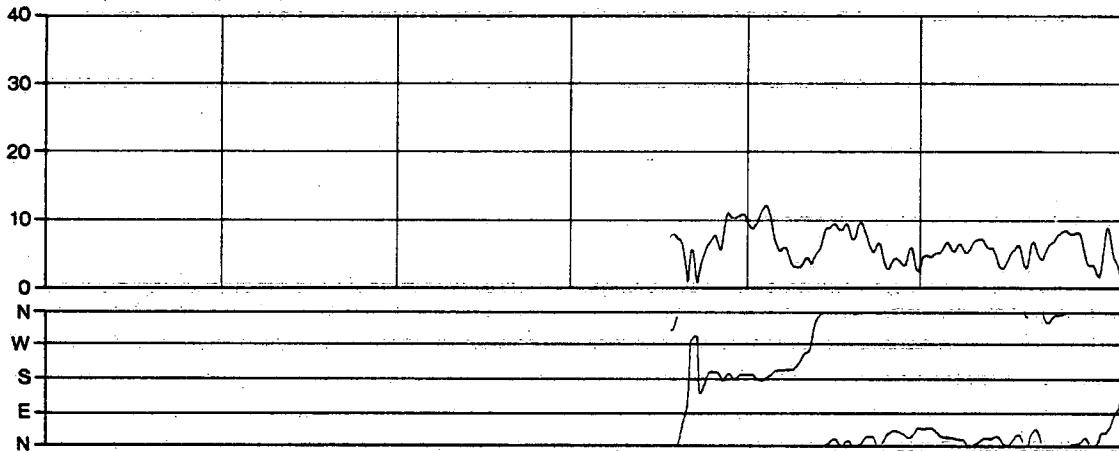
TEMPERATURE °C

△ - 10 m  
○ - m

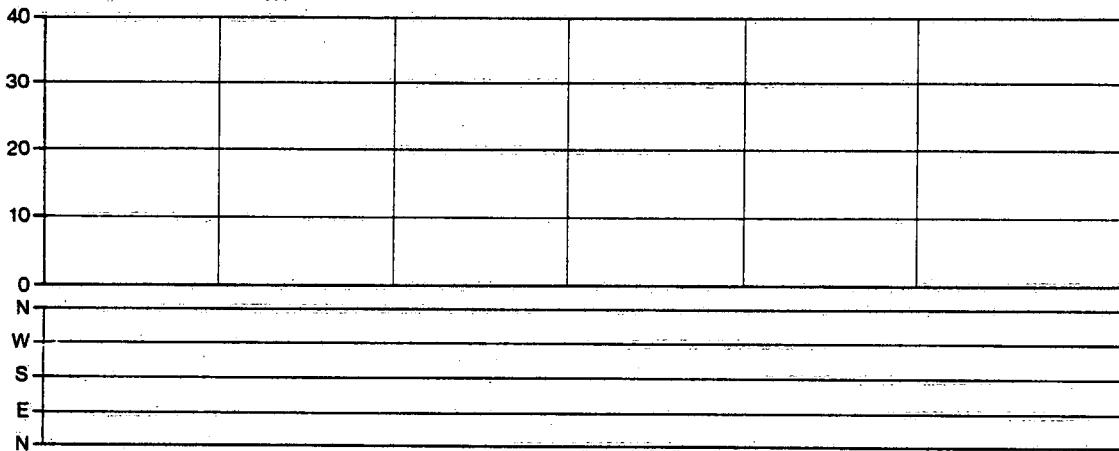


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: m



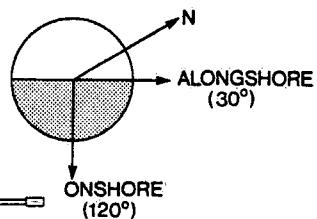
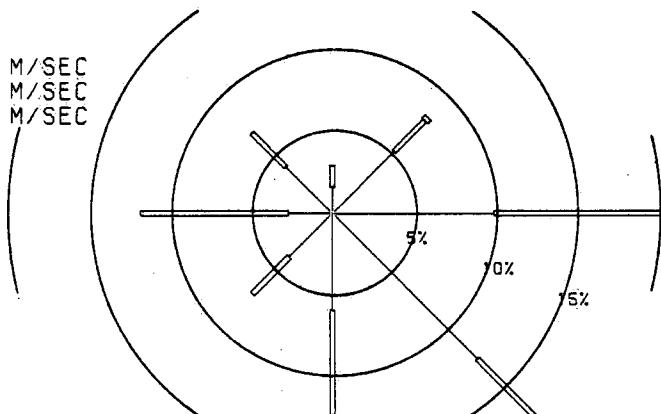
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11

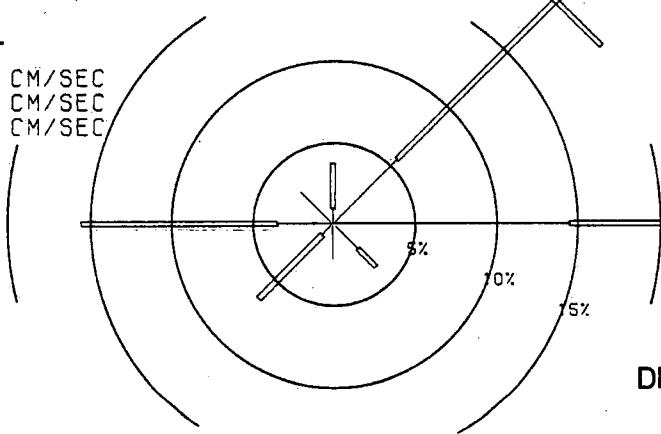
DATE: MAY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

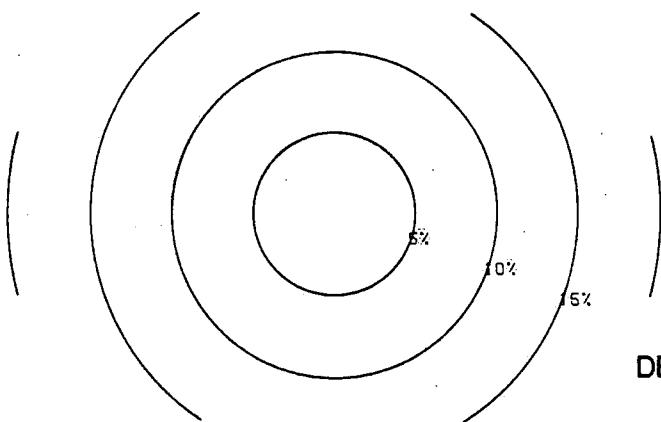
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

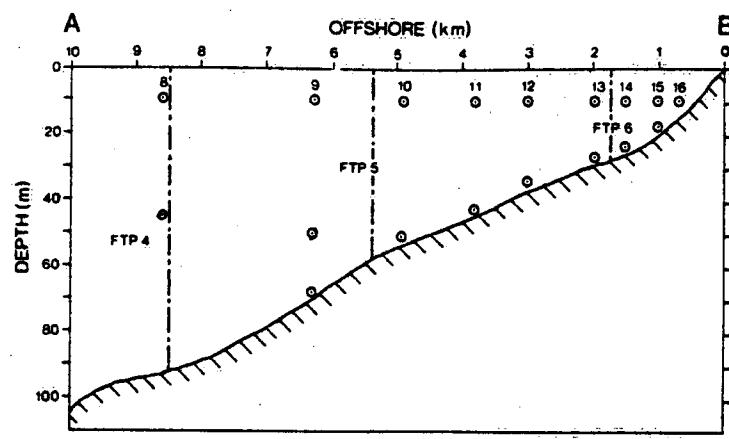


DEPTH: 10 m



DEPTH: m

\*DIRECTION TOWARDS

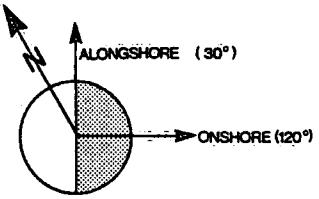


MOORING 12

MAY 1974

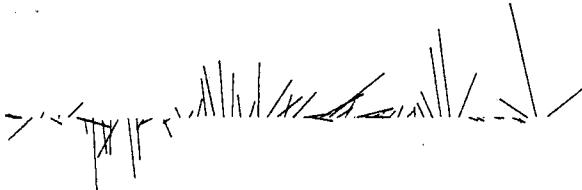
MOORING: 12

DATE: MAY 1974



WINDSPEED<sup>2</sup>

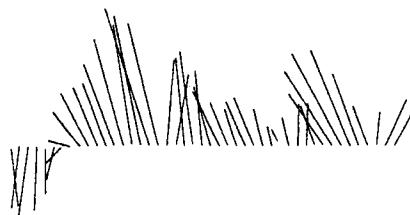
0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: 35 m



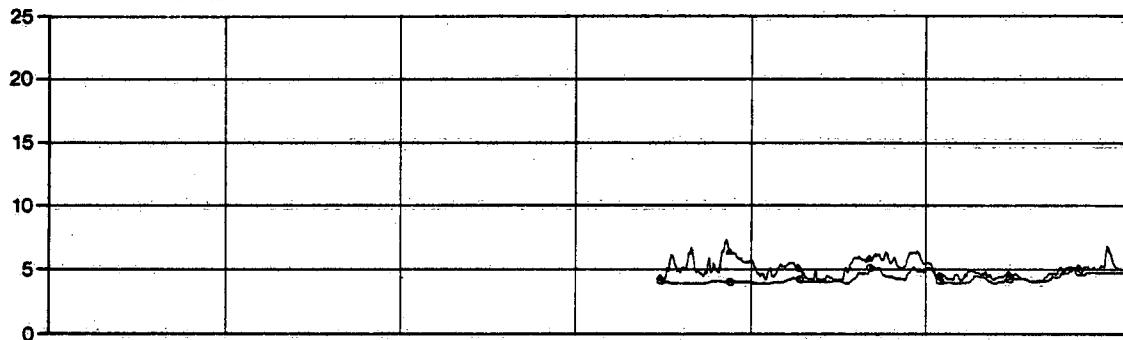
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 12

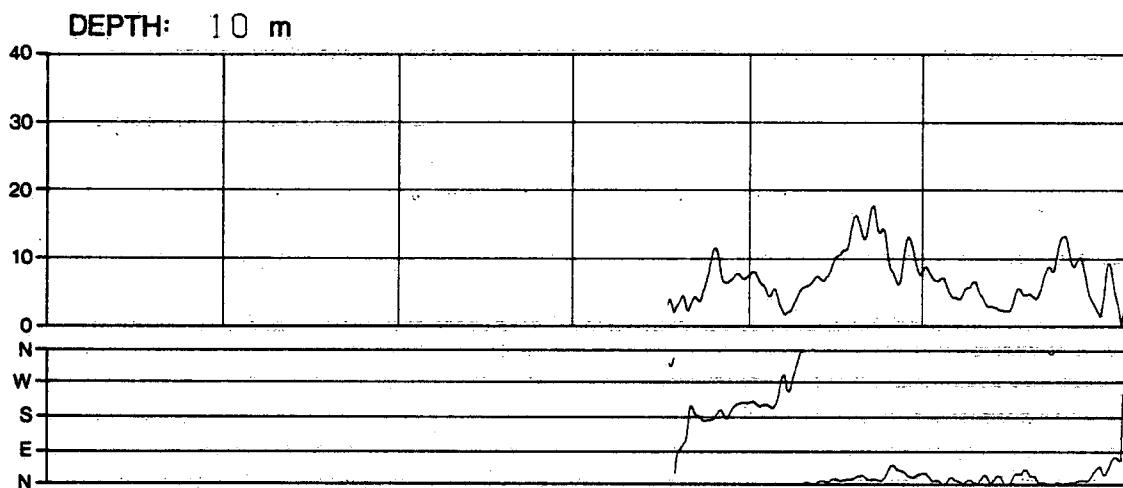
DATE: MAY 1974

TEMPERATURE °C

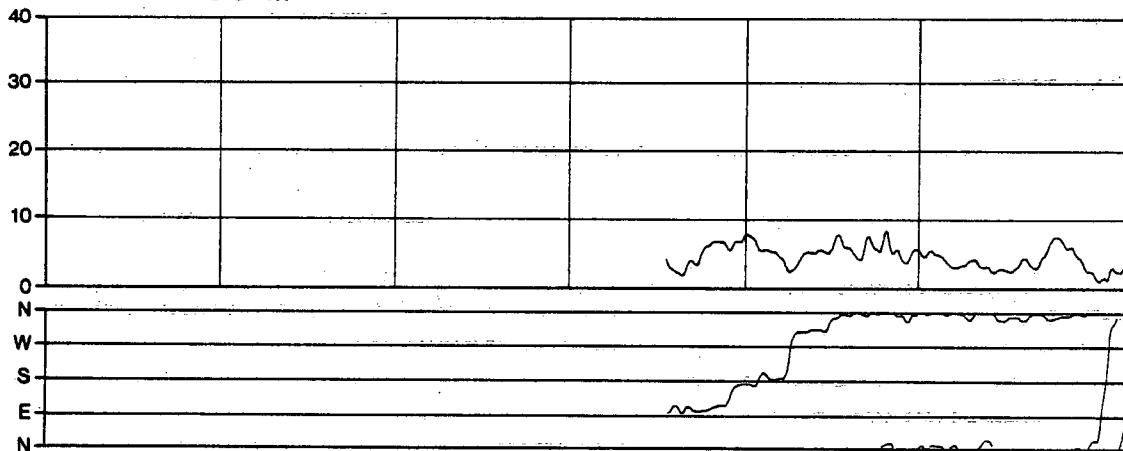
△ - 10 m  
○ - 35 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 35 m



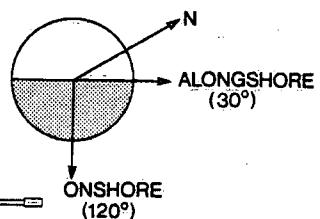
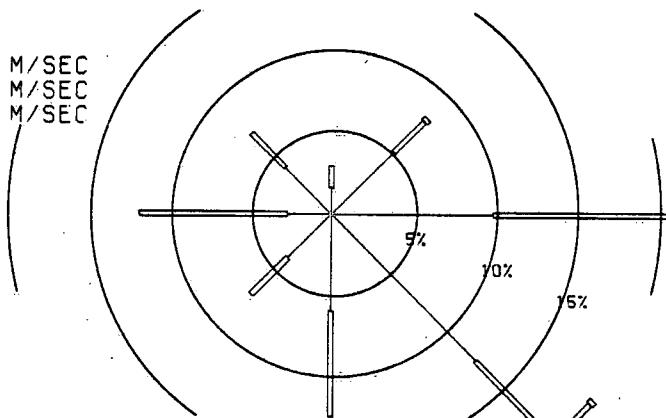
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 12

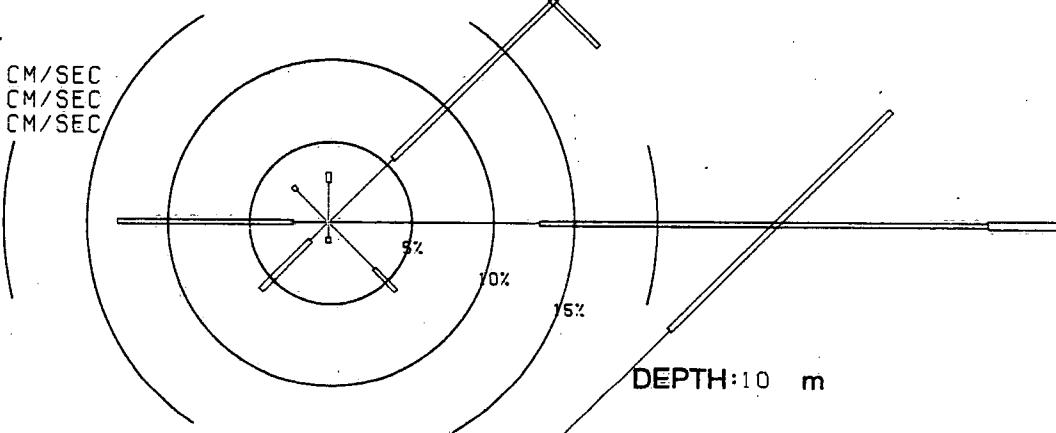
DATE: MAY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

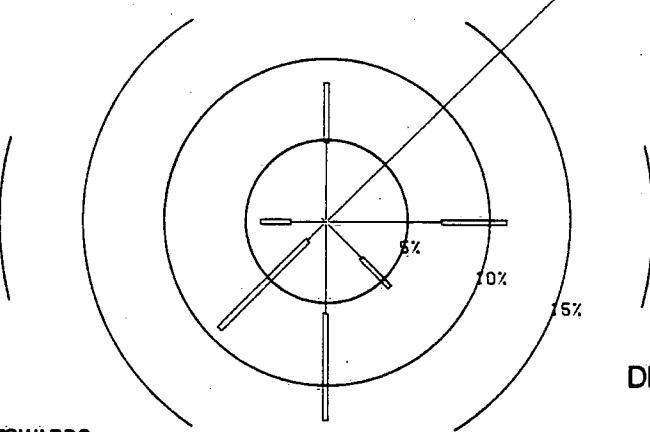
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



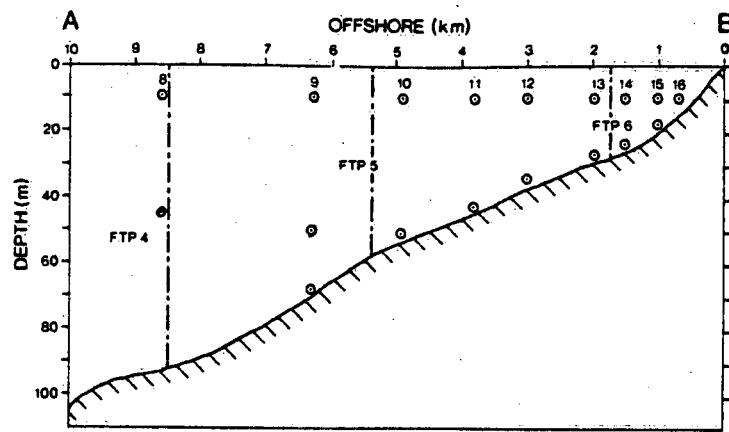
CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



\*DIRECTION TOWARDS



DEPTH: 35 m

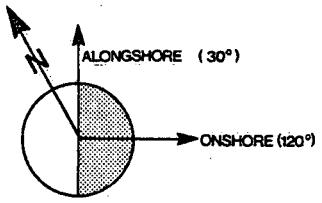


MOORING 13

MAY 1974

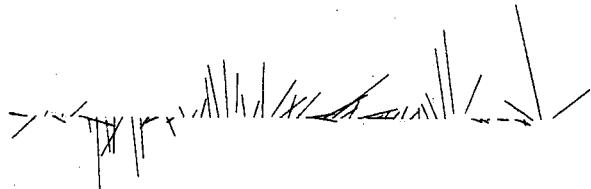
**MOORING: 13**

**DATE: MAY 1974**



**WINDSPEED<sup>2</sup>**

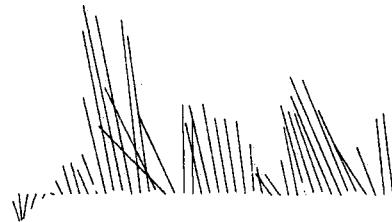
0      40 m<sup>2</sup>/sec<sup>2</sup>



**DEPTH: 10 m**

**FILTERED CURRENT  
(0.0 TO 0.05 cph)**

0      10 cm/sec



**DEPTH: 28 m**

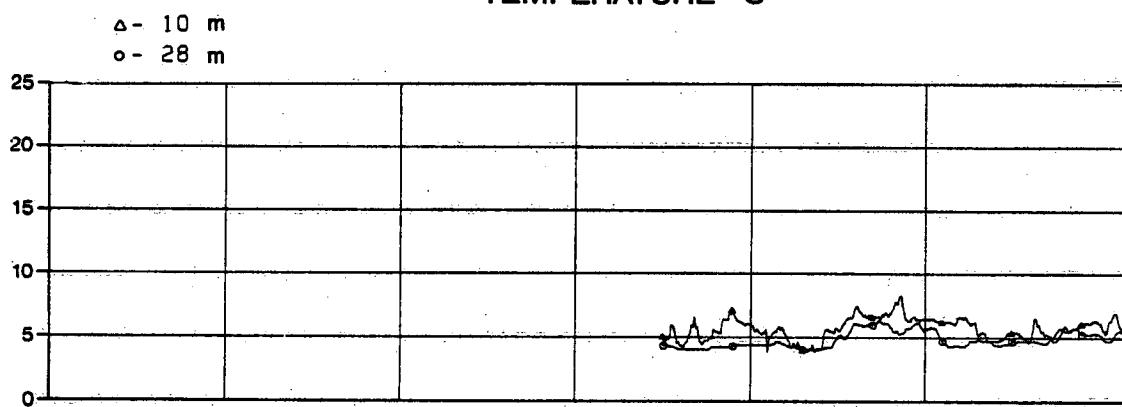


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

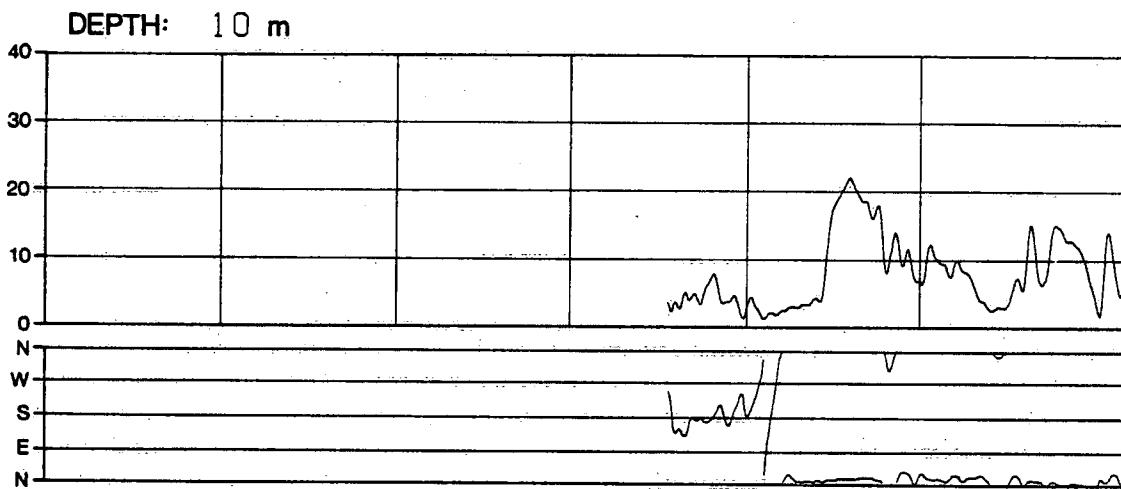
MOORING: 13

DATE: MAY 1974

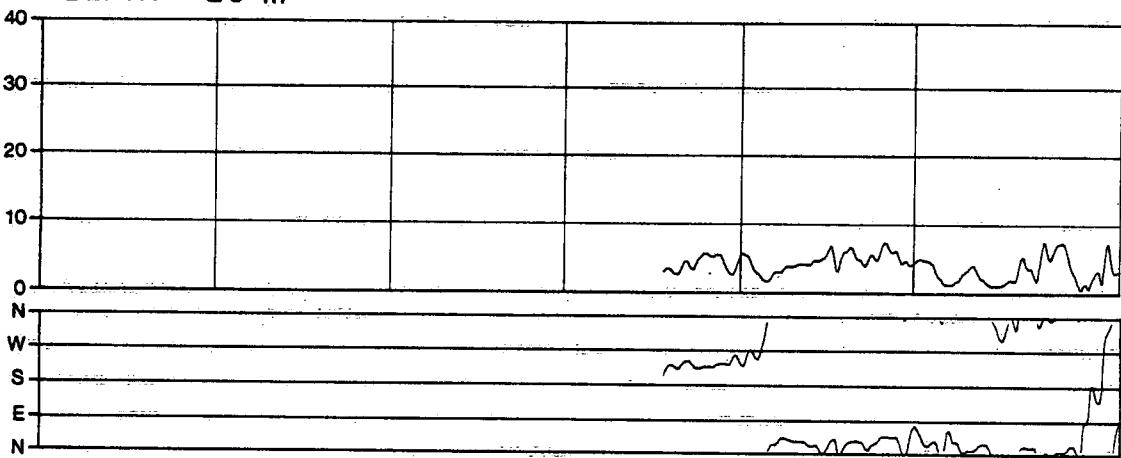
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



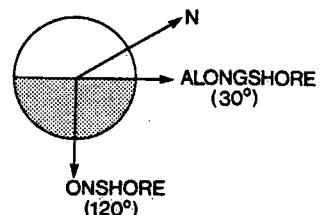
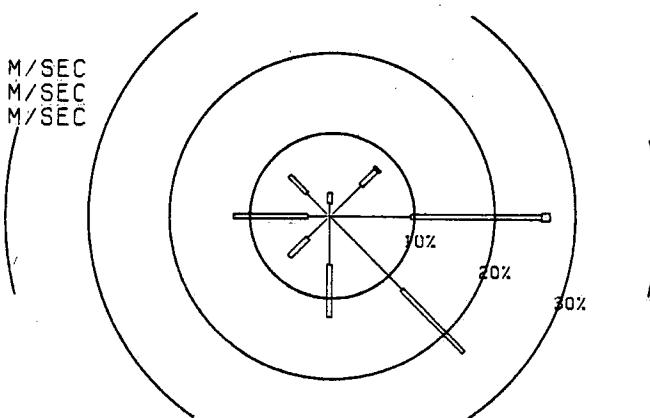
DEPTH: 28 m



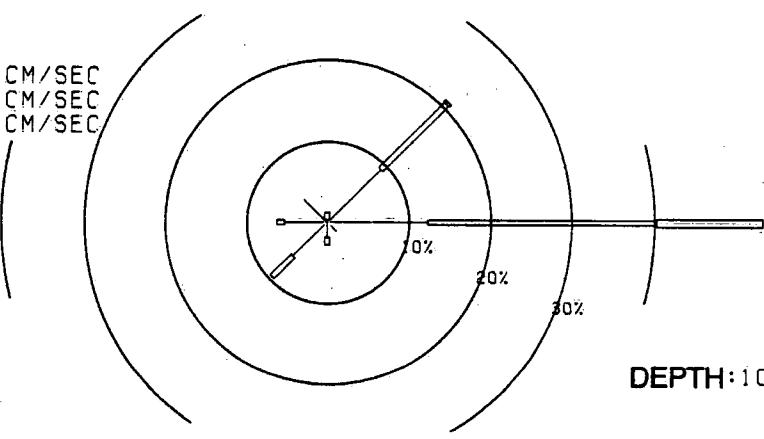
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 13 DATE: MAY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

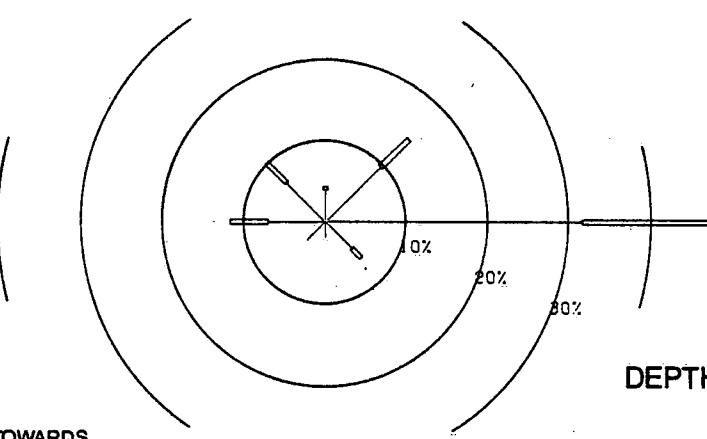
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

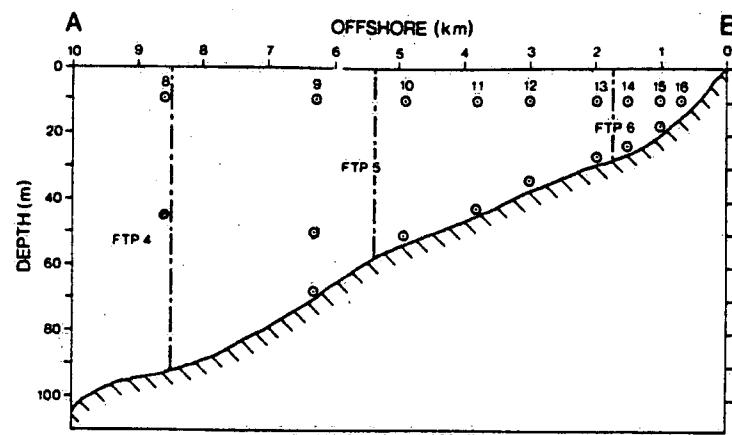


DEPTH: 10 m



DEPTH: 28 m

\*DIRECTION TOWARDS

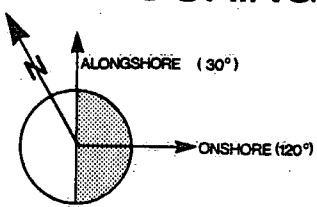


MOORING 14

MAY 1974

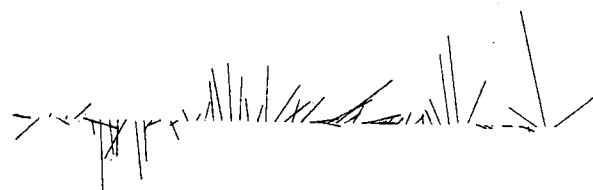
MOORING: 14

DATE: MAY 1974



WINDSPEED<sup>2</sup>

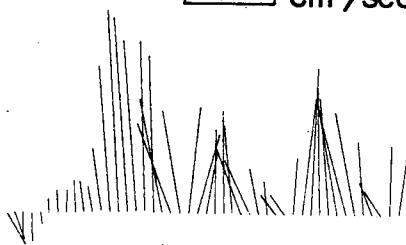
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

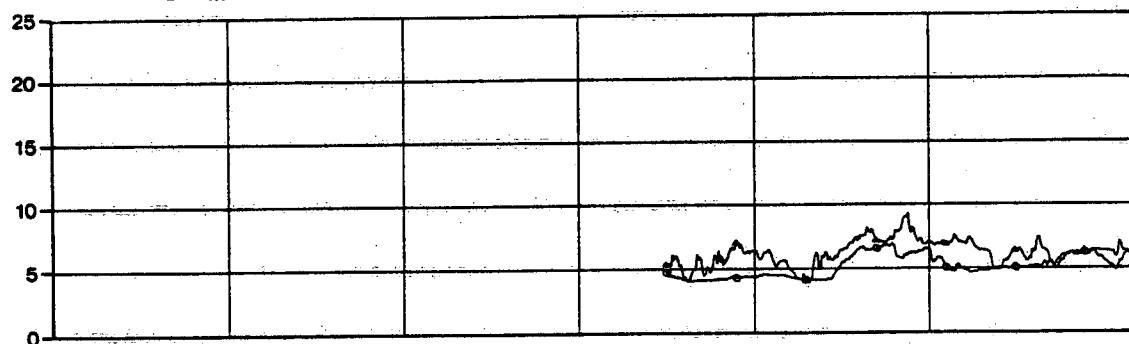
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14

DATE: MAY 1974

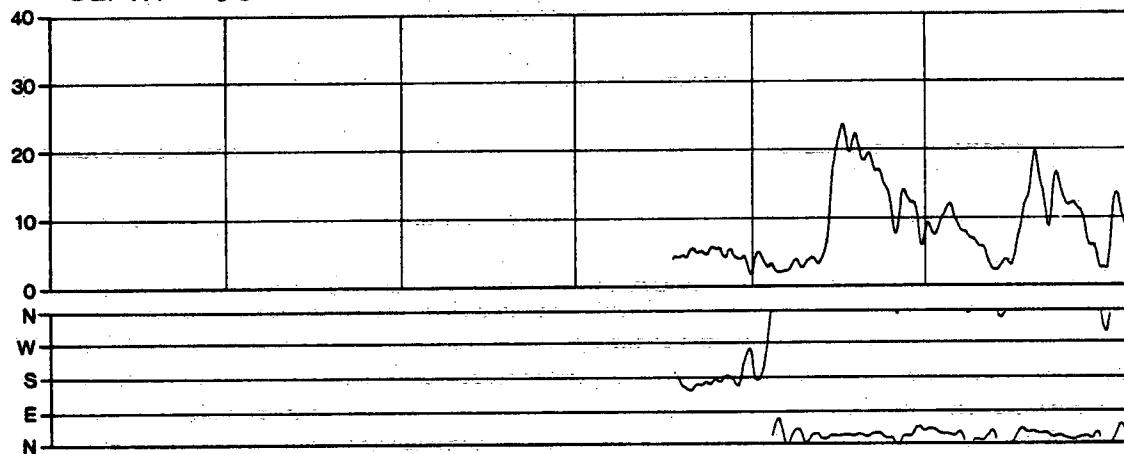
TEMPERATURE °C

△ - 10 m  
○ - 27 m

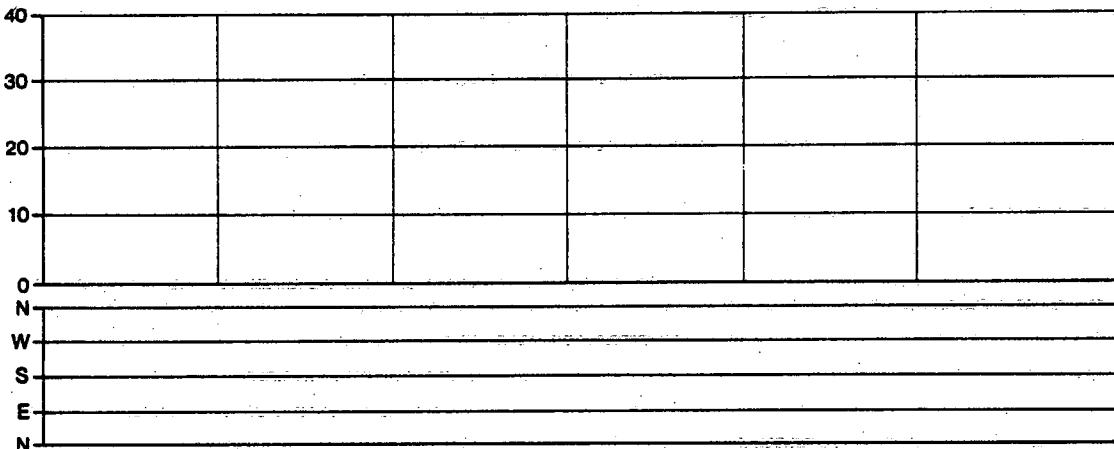


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: m



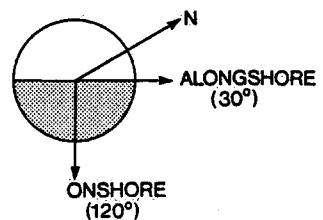
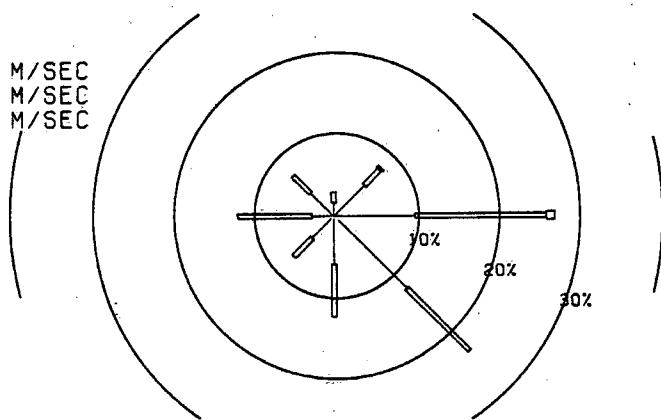
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 14

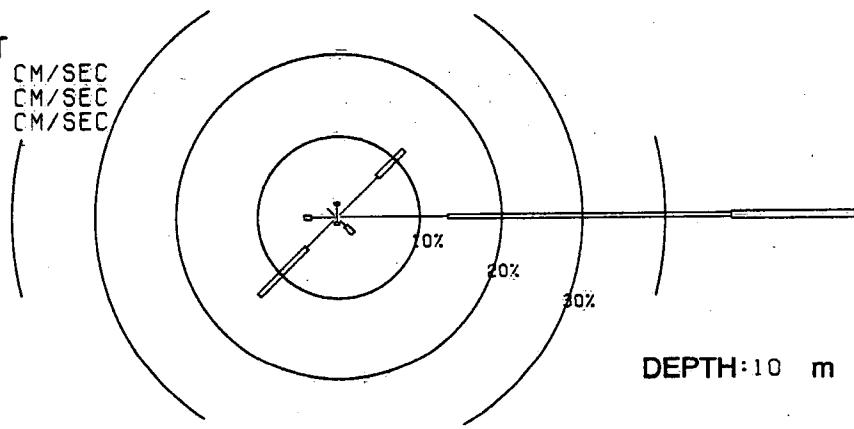
DATE: MAY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

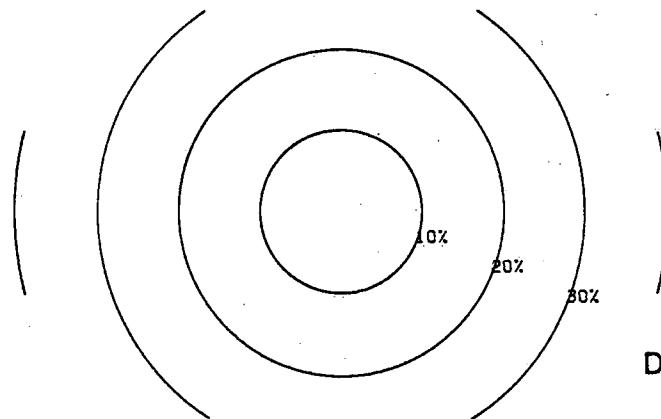
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

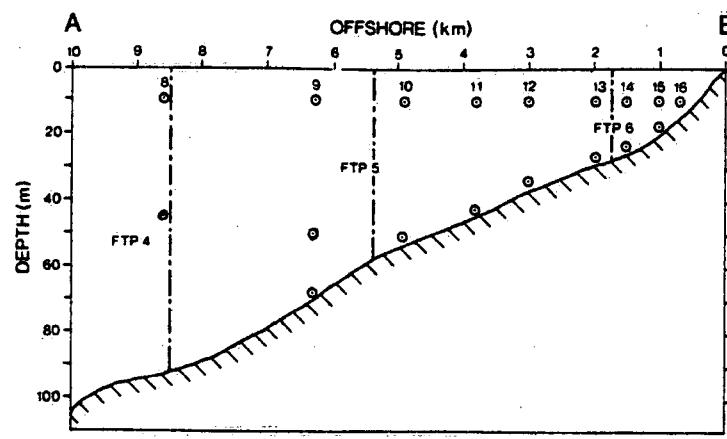


DEPTH: 10 m



DEPTH: m

\*DIRECTION TOWARDS

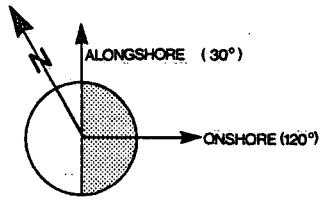


MOORING 15

MAY 1974

MOORING: 15

DATE: MAY 1974



WINDSPEED<sup>2</sup>

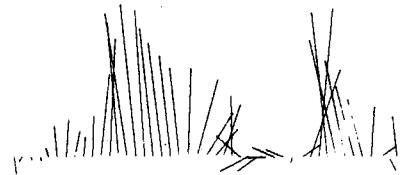
0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: 19 m



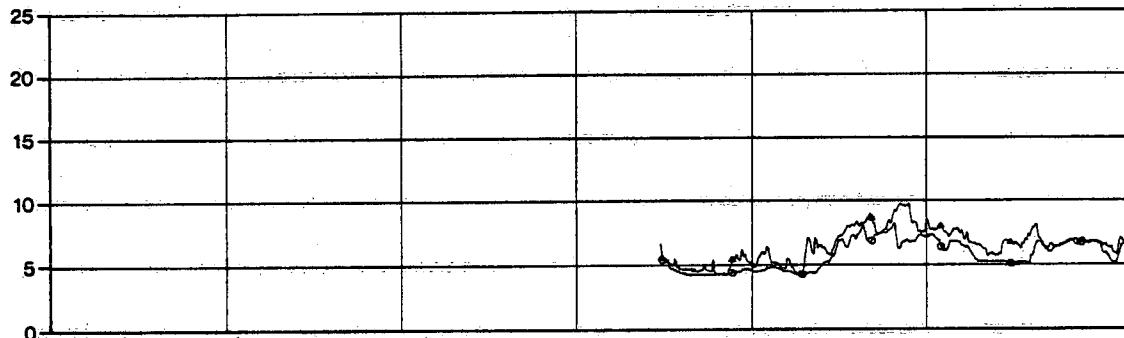
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 15

DATE: MAY 1974

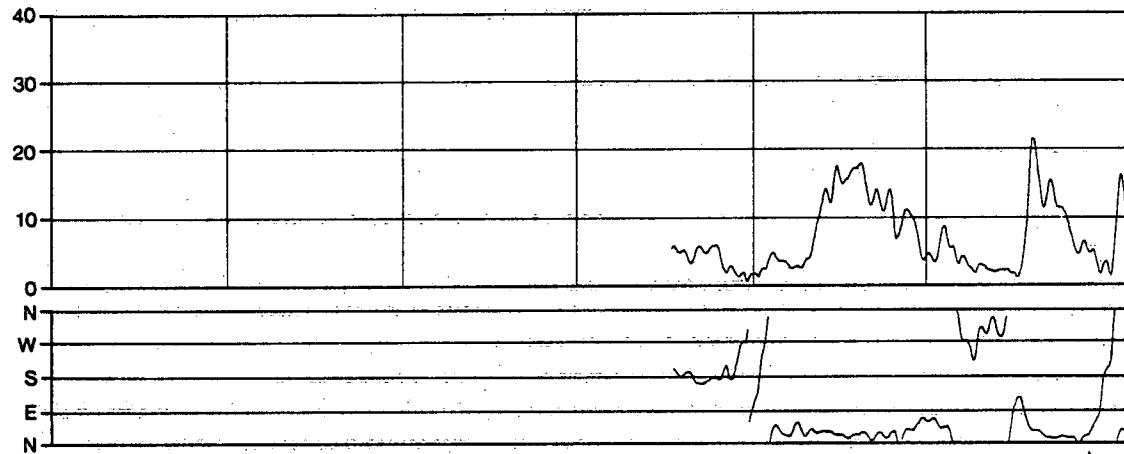
TEMPERATURE °C

△ - 10 m  
○ - 19 m

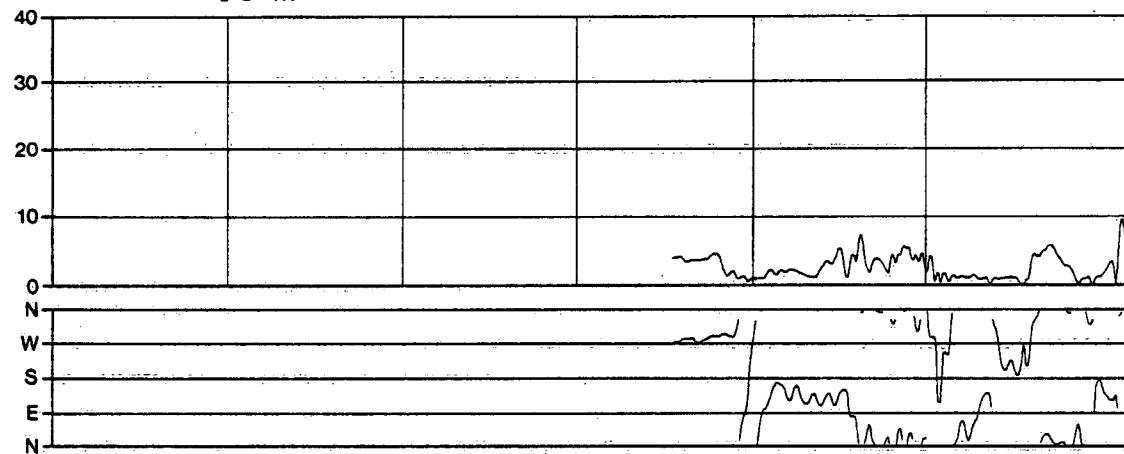


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 19 m



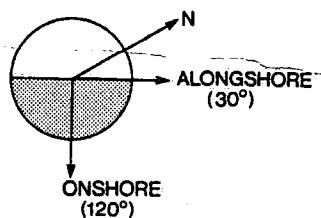
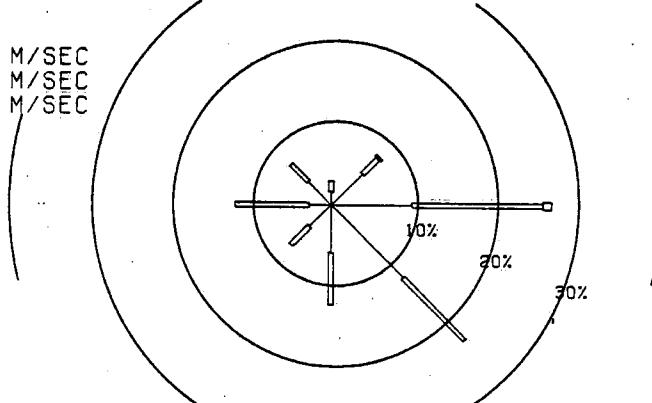
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 15 DATE: MAY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

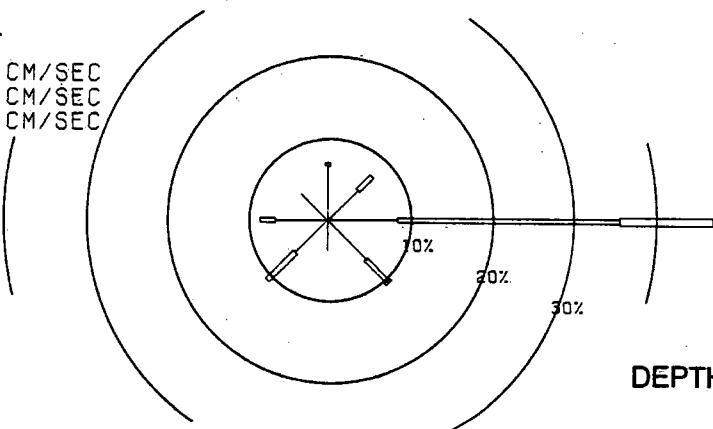
WIND

— 0-3  
— 3-7  
— ≥ 7

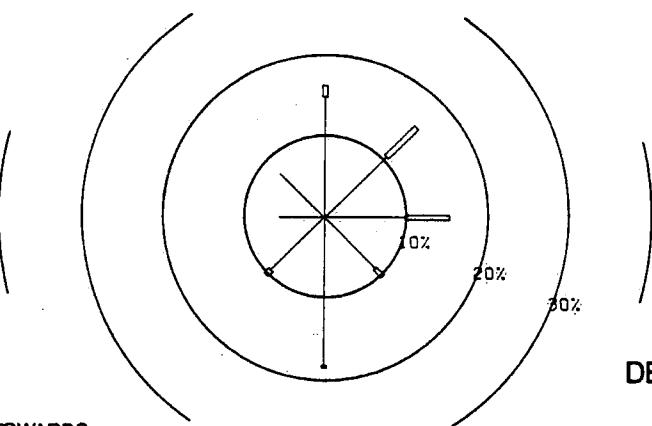


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

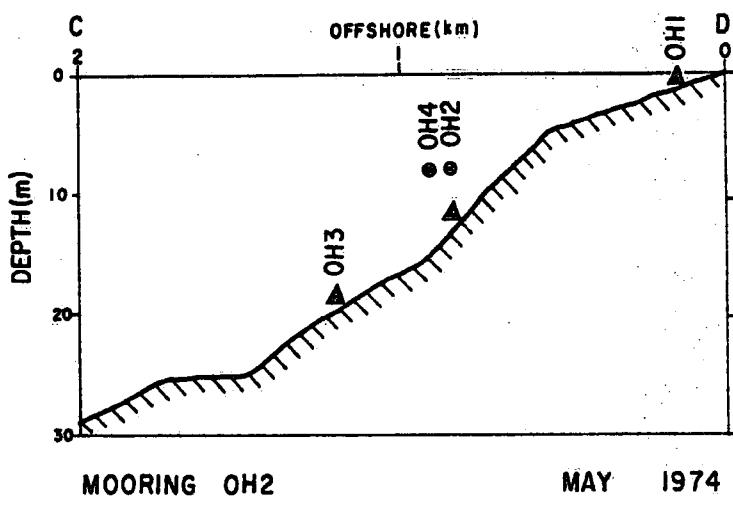


DEPTH: 10 m



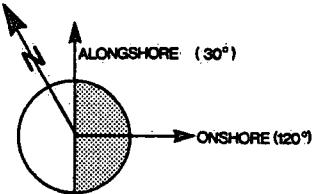
DEPTH: 19 m

\*DIRECTION TOWARDS



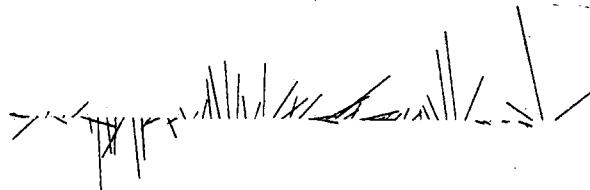
MOORING: OH2

DATE: MAY 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



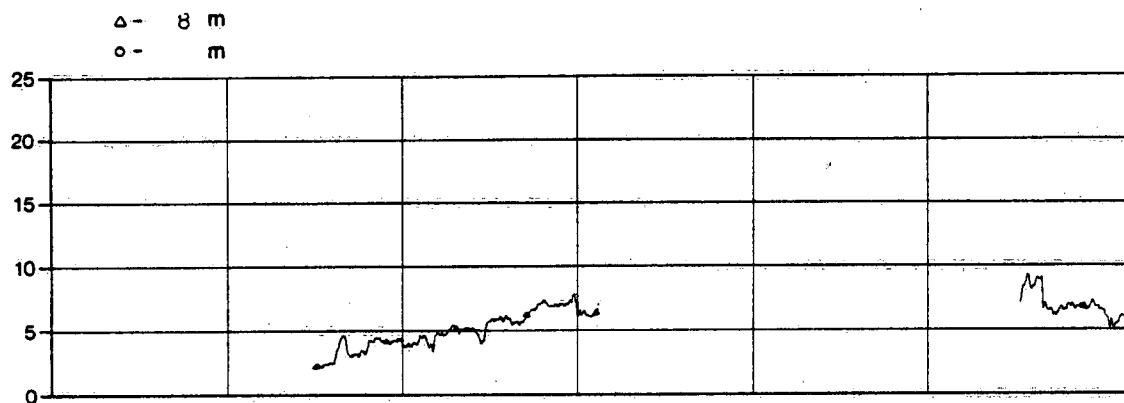
DEPTH: m

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 27 28 29 30 31

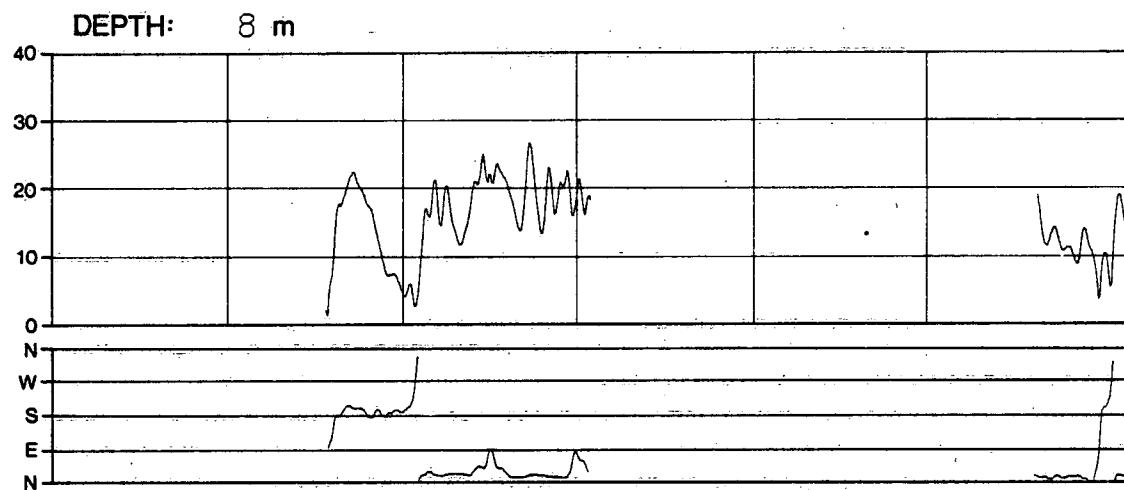
MOORING: OH2

DATE: MAY 1974

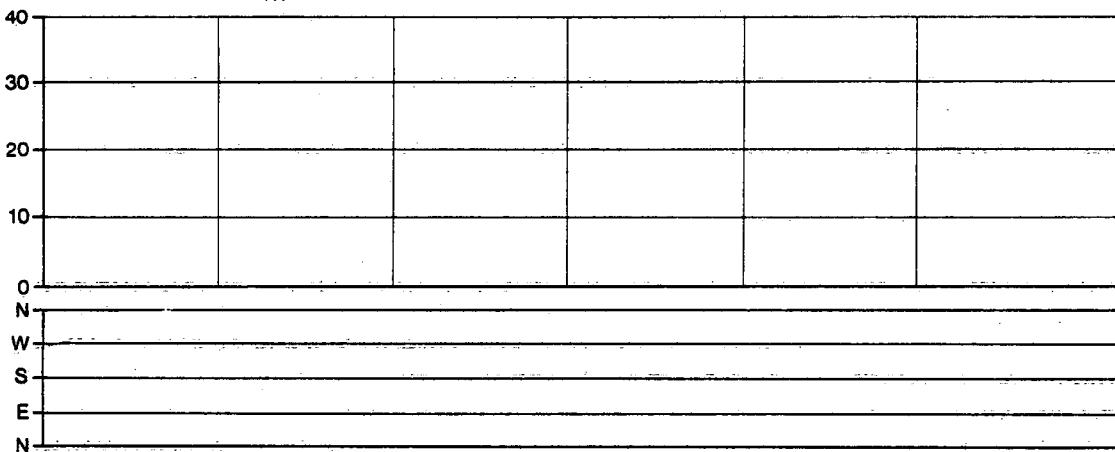
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



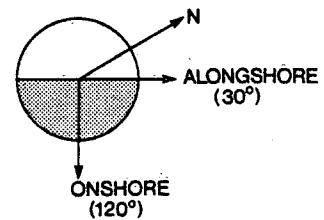
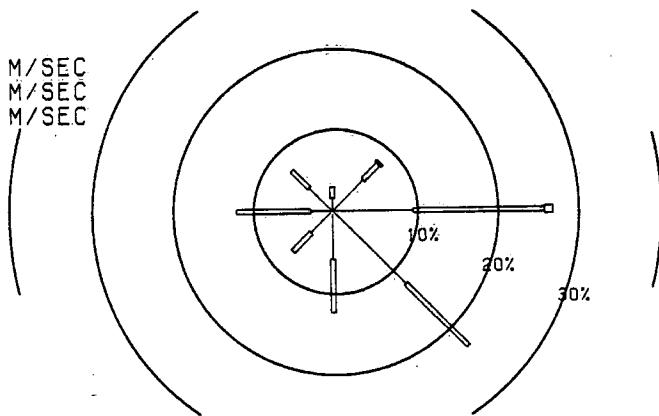
DEPTH: m



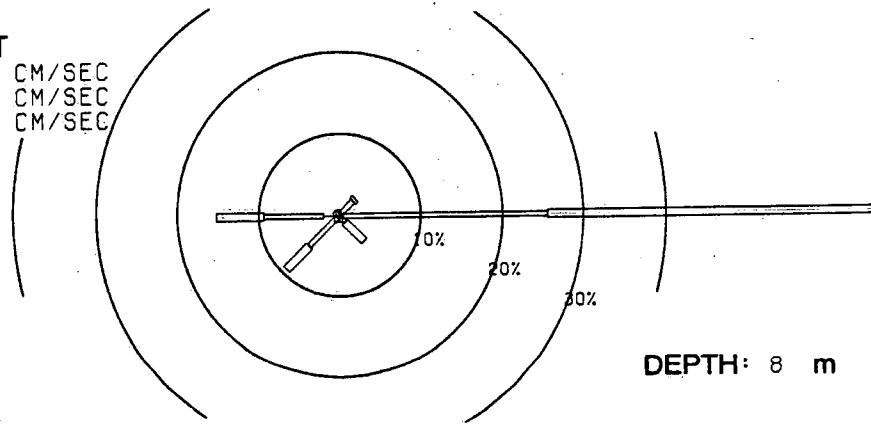
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: OH2 DATE: MAY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

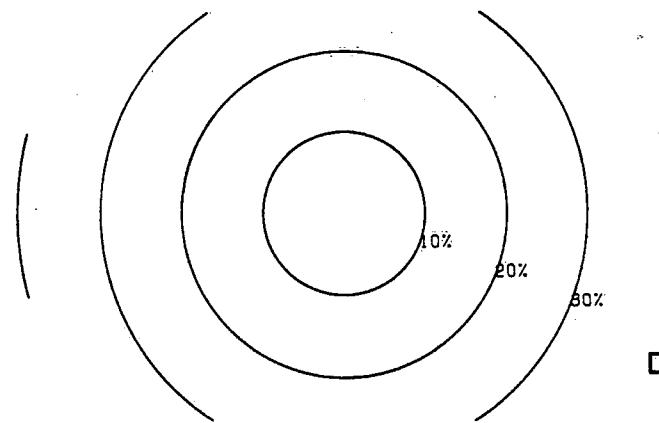
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

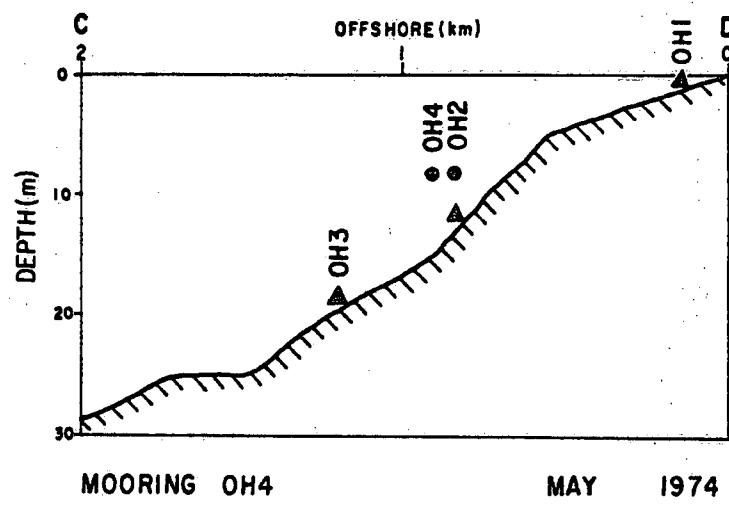


DEPTH: 8 m



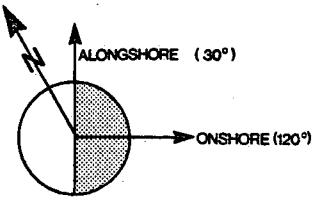
DEPTH: m

\*DIRECTION TOWARDS



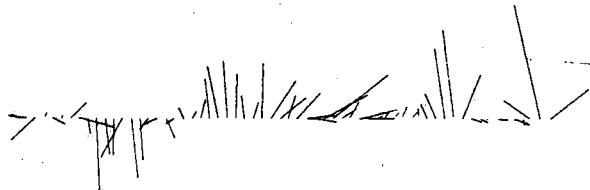
MOORING: OH4

DATE: MAY 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



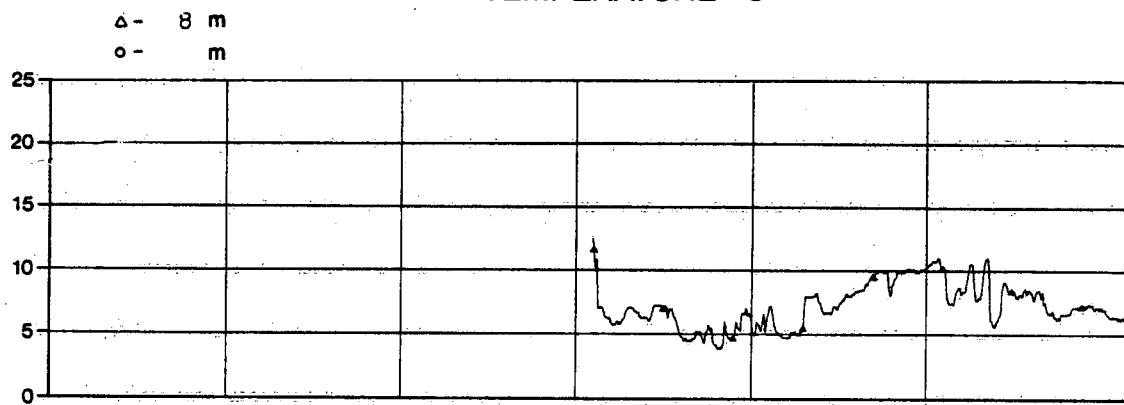
DEPTH: m

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 27 28 29 30 31

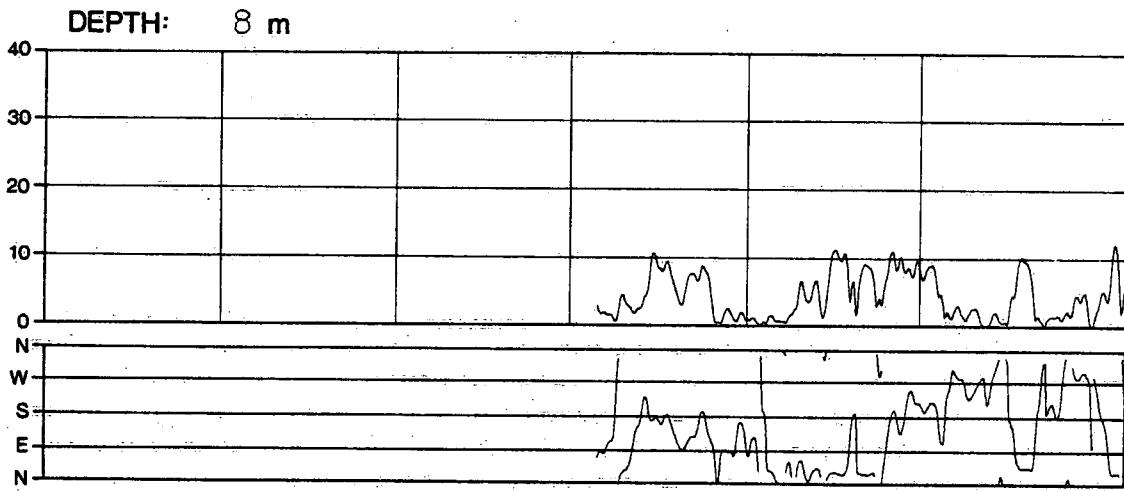
MOORING: OH4

DATE: MAY 1974

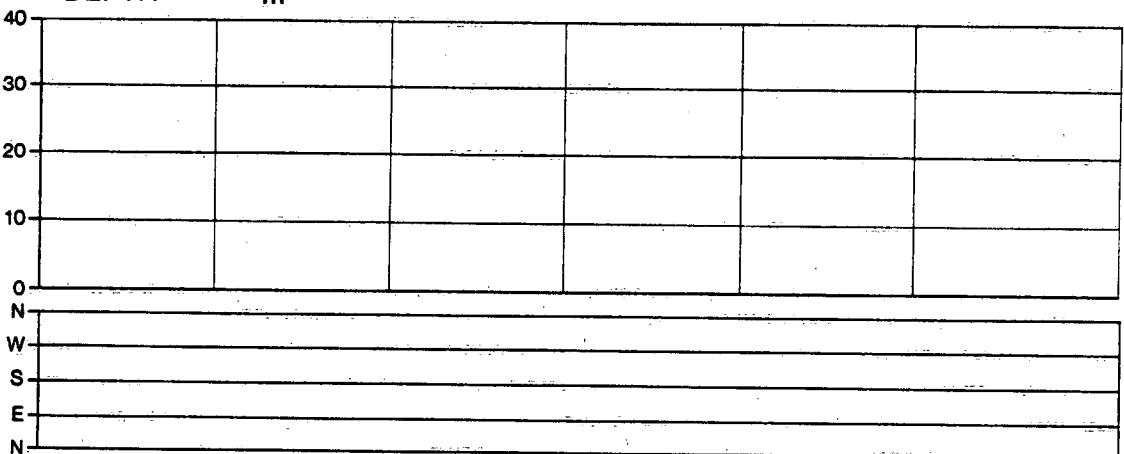
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



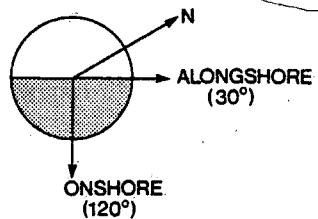
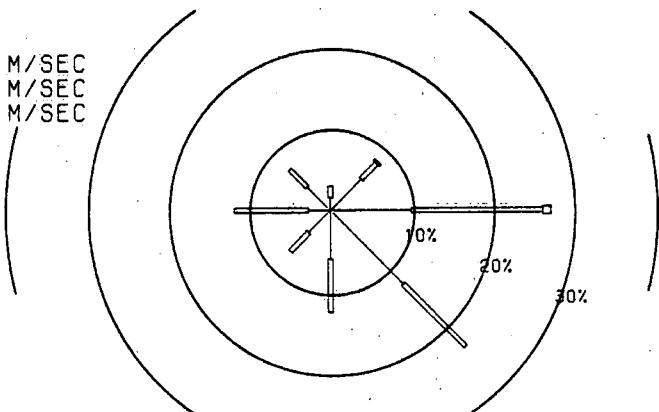
DEPTH: m



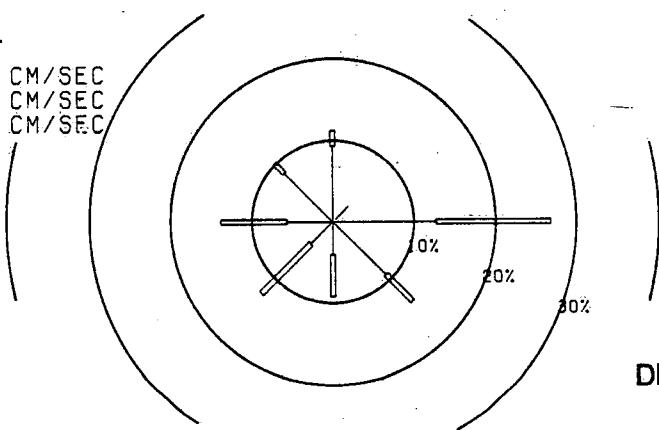
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: OH4 DATE: MAY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

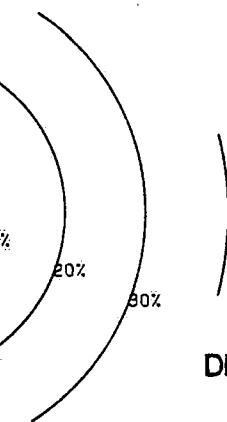


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



DEPTH: 8 m

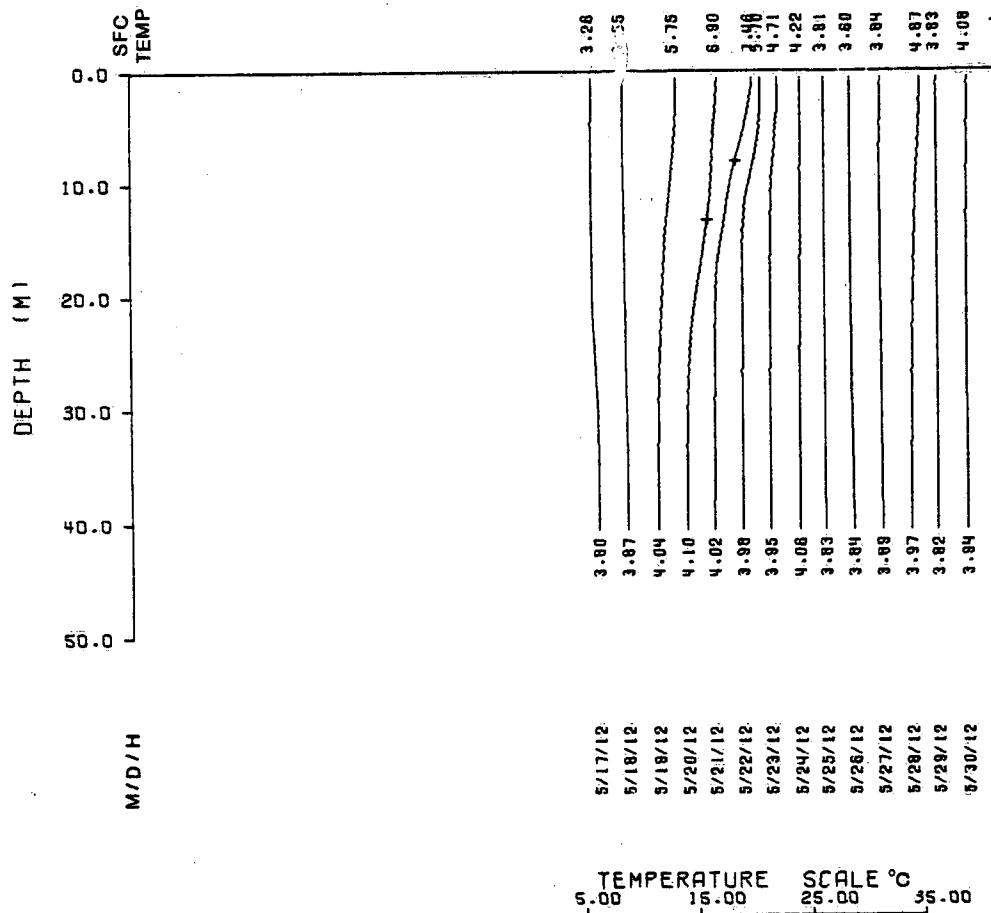
\*DIRECTION TOWARDS



DEPTH: m

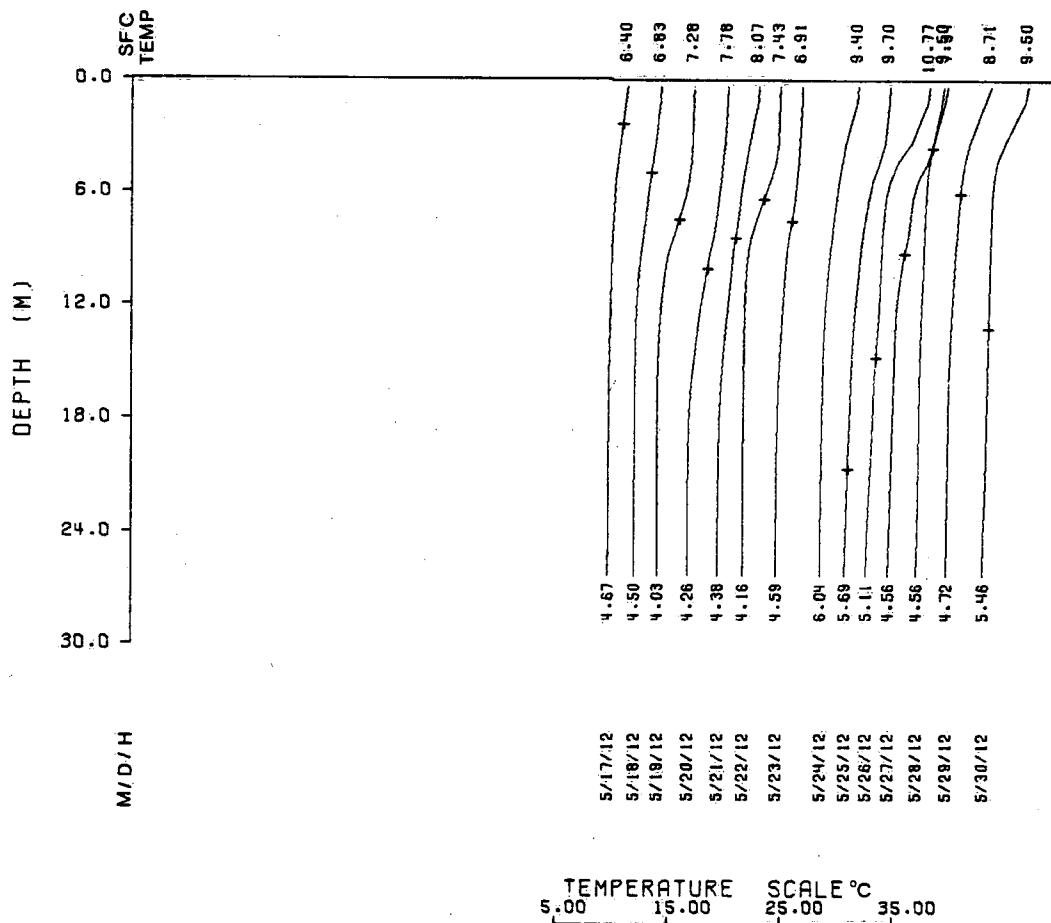
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - MAY 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - S  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 6 DEGREE MARKED WITH +



## DAILY AVERAGED TEMPERATURE PROFILES

DATE - MAY 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 6  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 6 DEGREE MARKED WITH +



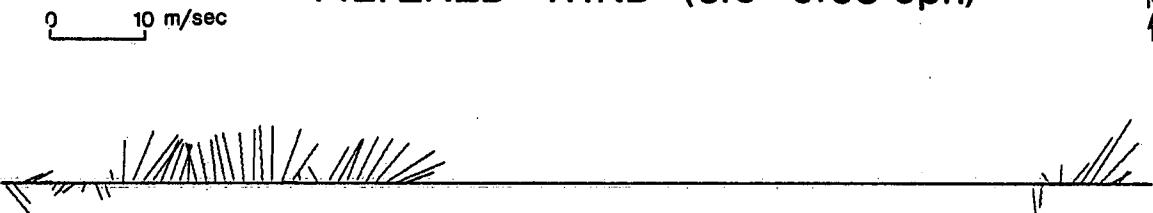
JUNE 1974

# METEOROLOGICAL DATA

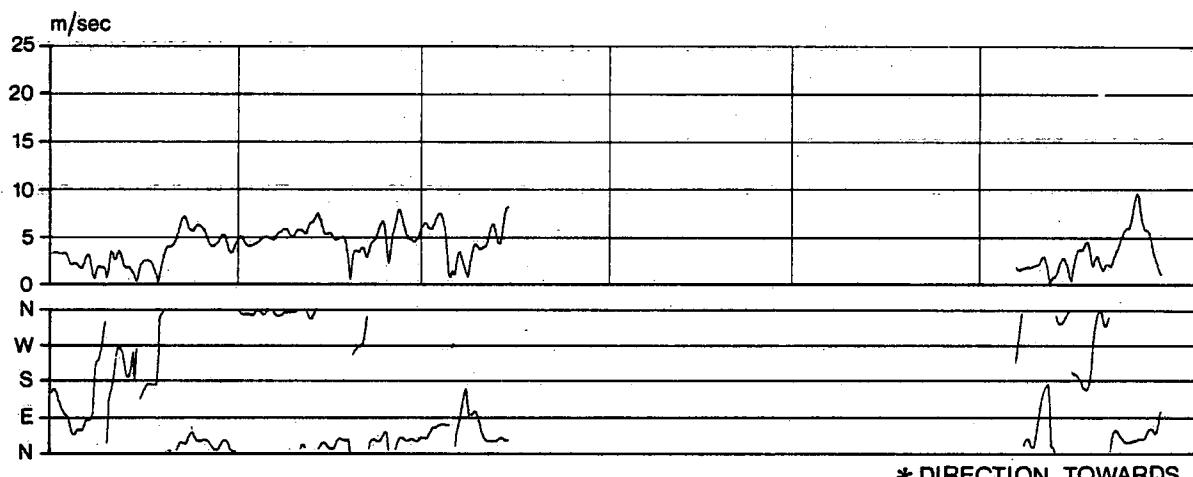
MOORING: 2

DATE: JUNE 1974

## FILTERED WIND (0.0–0.05 cph)

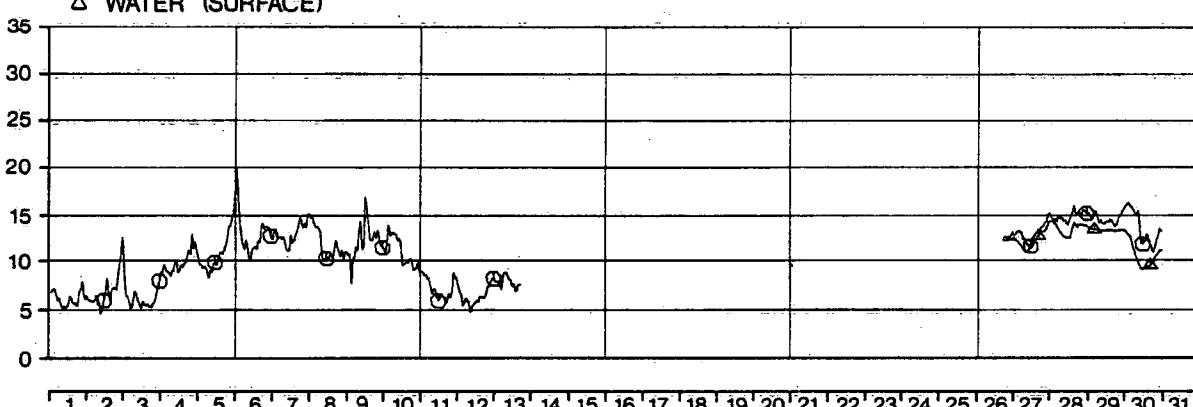


## FILTERED WIND (0.0–0.2 cph)\*



O AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

## TEMPERATURE °C



## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN									
1	7.8	5.0	9	16.8	7.7	17			25		
2	12.6	4.5	10	13.9	8.7	18			26	13.2	12.2
3	9.3	5.1	11	8.9	5.7	19			27	15.2	11.6
4	12.9	8.4	12	8.2	4.7	20			28	15.9	13.9
5	15.1	8.2	13	8.8	6.8	21			29	15.7	13.8
6	20.0	10.3	14			22			30	16.2	11.0
7	15.0	11.1	15			23			31		
8	15.0	10.2	16			24					

# METEOROLOGICAL DATA

MOORING: OH7

DATE: JUNE 1974

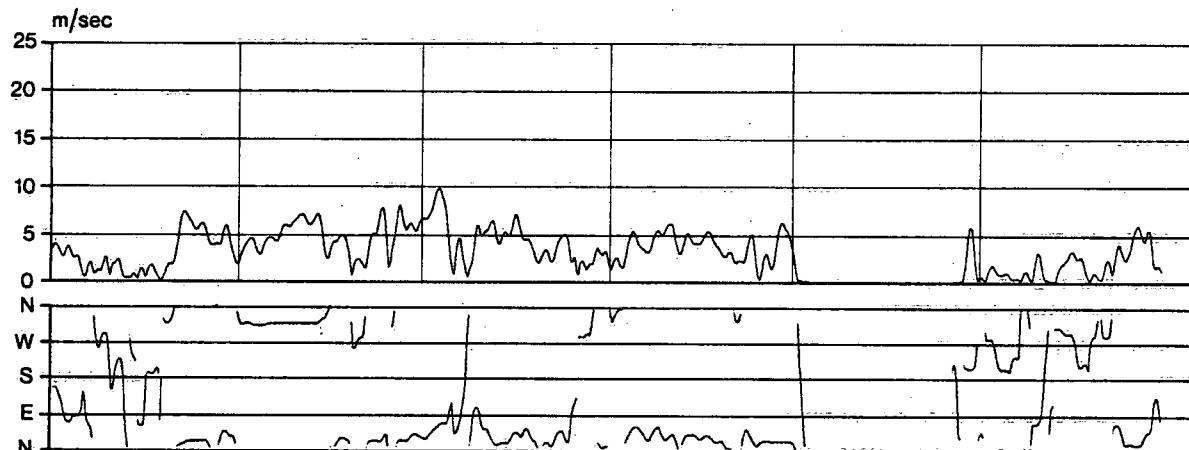
## FILTERED WIND (0.0-0.05 cph)

0 10 m/sec

N  
↑



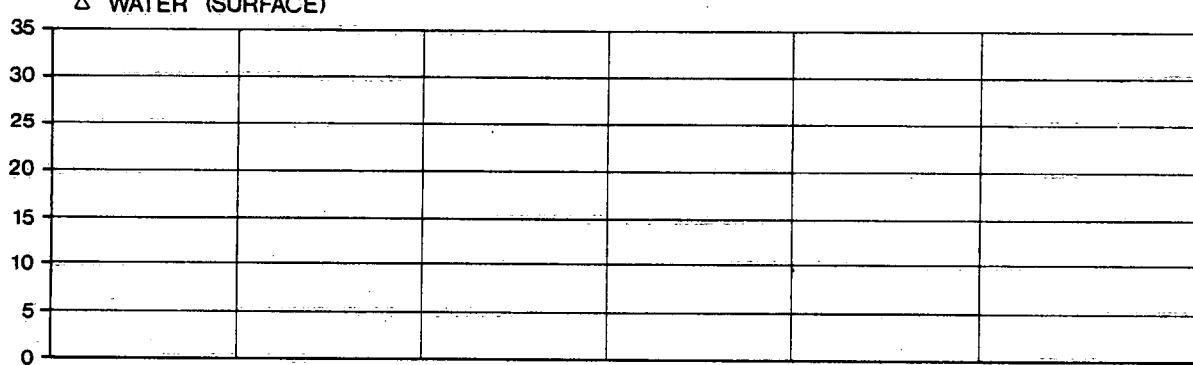
## FILTERED WIND (0.0-0.2 cph)\*



\* DIRECTION TOWARDS

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

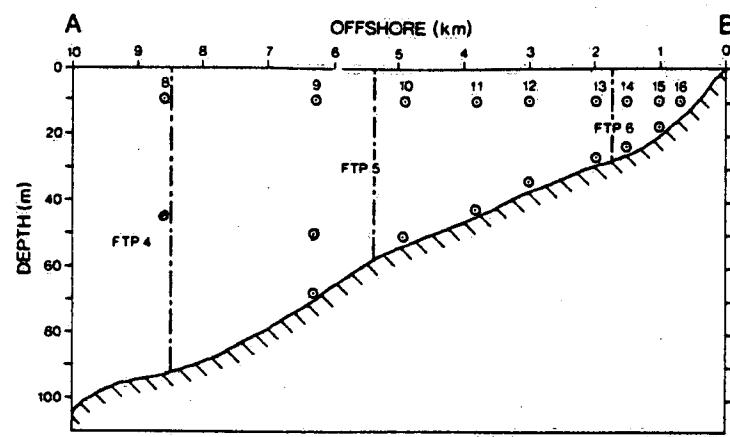
## TEMPERATURE °C



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 27 28 29 30 31

## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN									
1			9			17			25		
2			10			18			26		
3			11			19			27		
4			12			20			28		
5			13			21			29		
6			14			22			30		
7			15			23			31		
8			16			24					

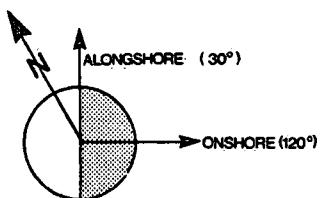


MOORING 8

JUNE 1974

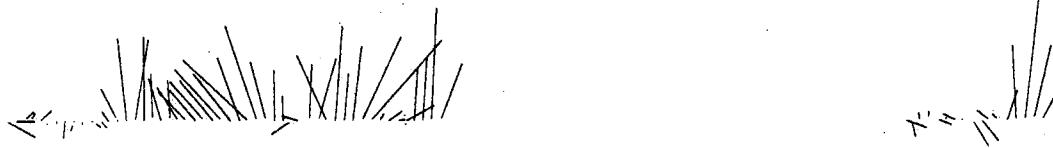
MOORING: 8

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>

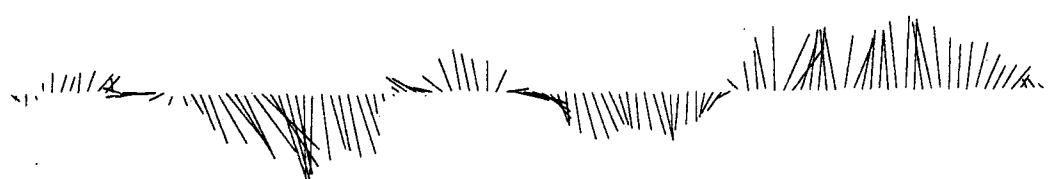


DEPTH: m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec

DEPTH: 45 m



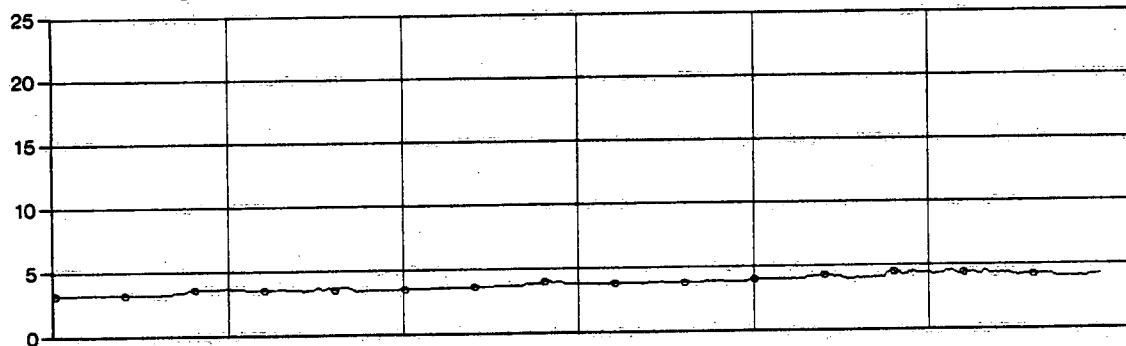
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 8

DATE: JUNE 1974

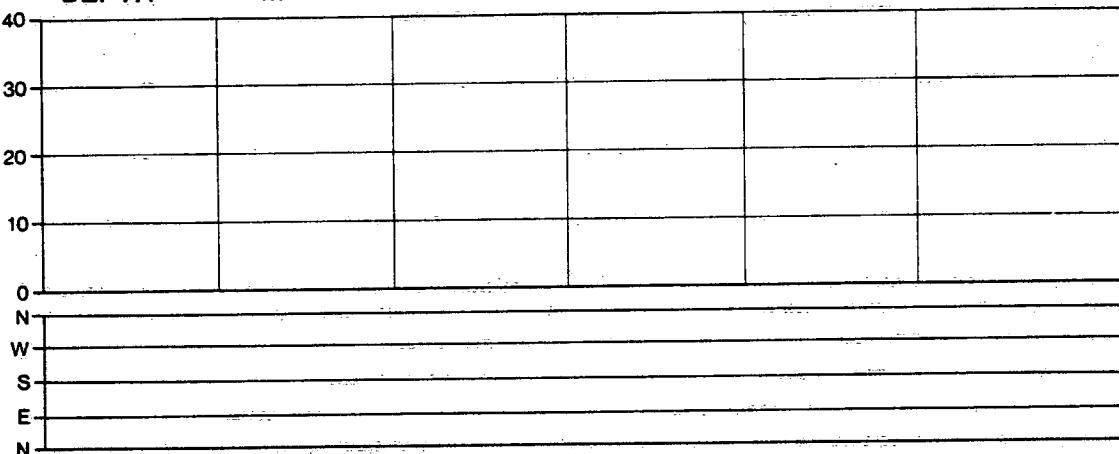
TEMPERATURE °C.

△ - m  
○ - 45 m

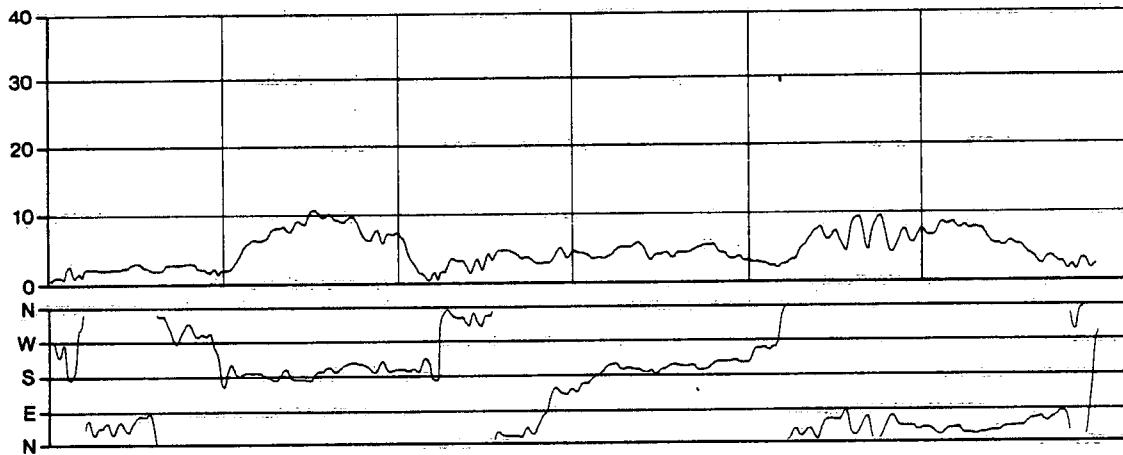


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: m

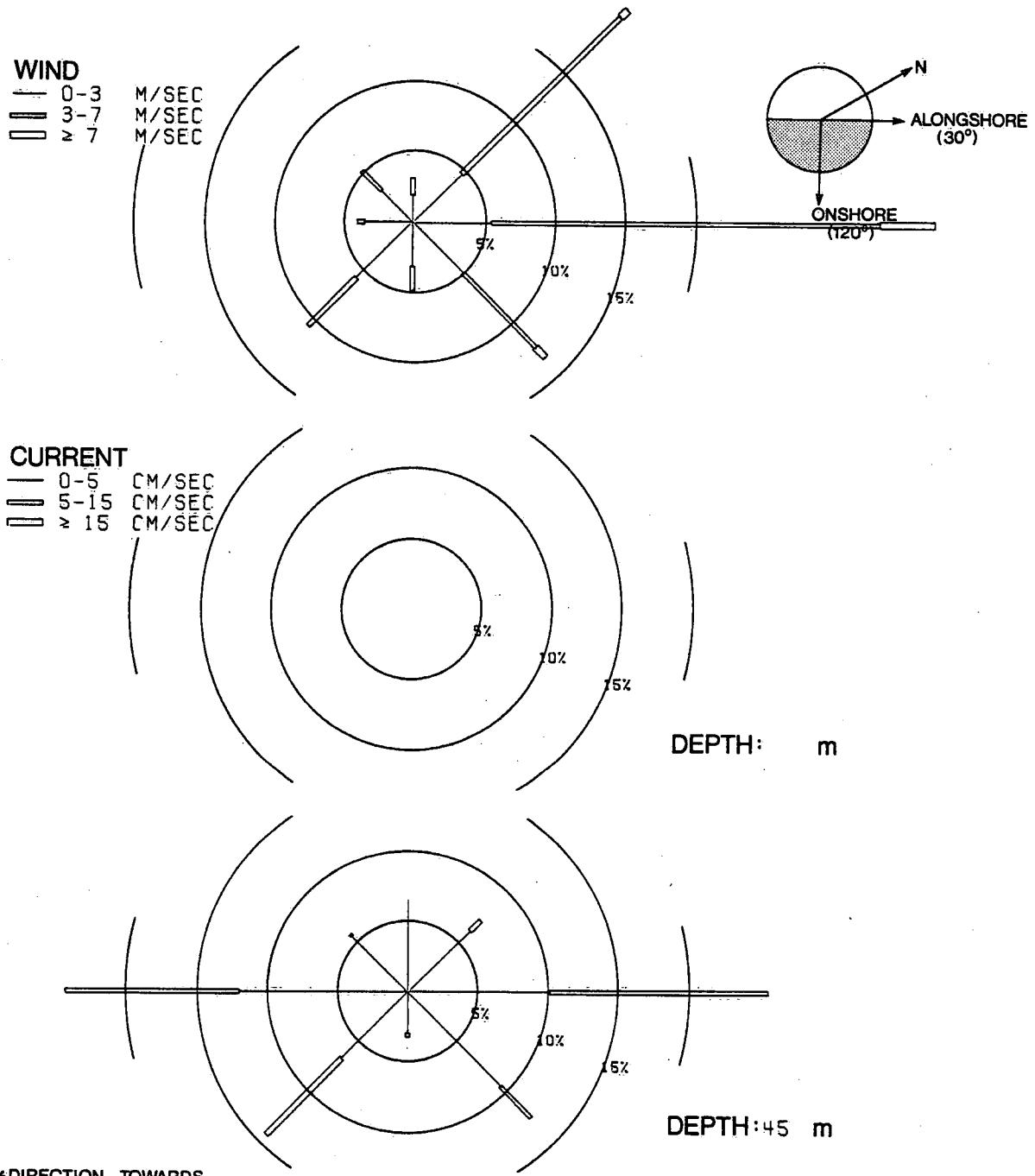


DEPTH: 45 m

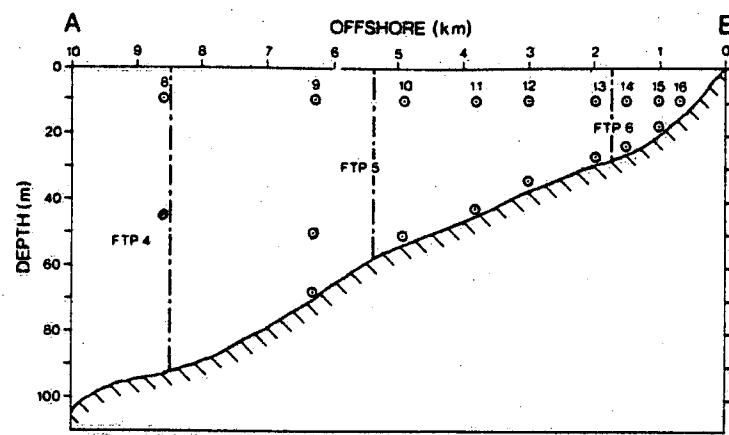


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 8 DATE: JUNE 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*



\*DIRECTION TOWARDS

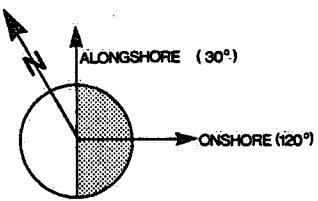


MOORING 9

JUNE 1974

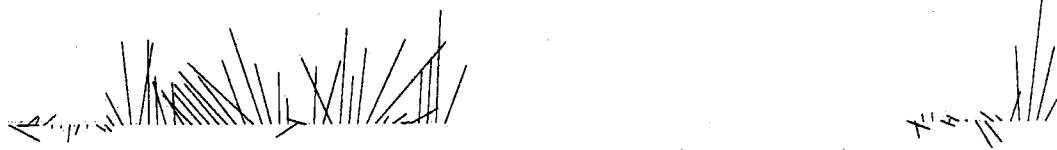
MOORING: 9

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

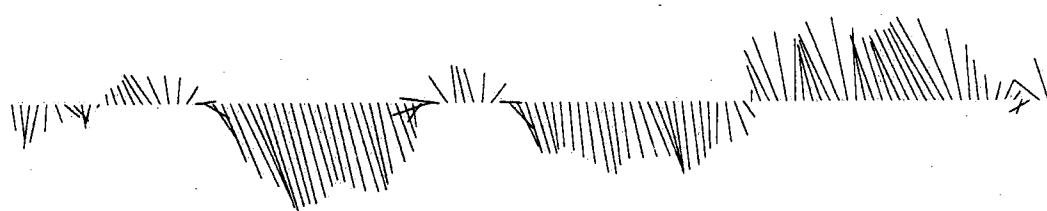
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 70 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



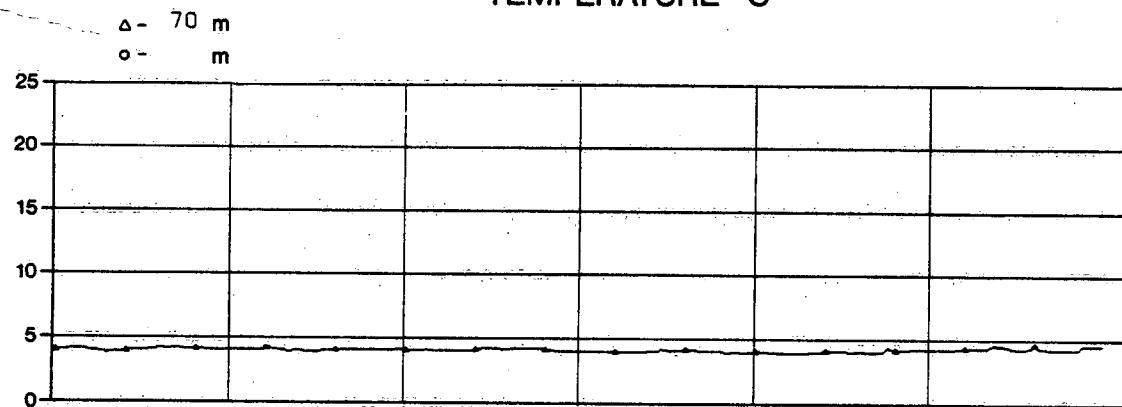
DEPTH: m

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 27 28 29 30 31

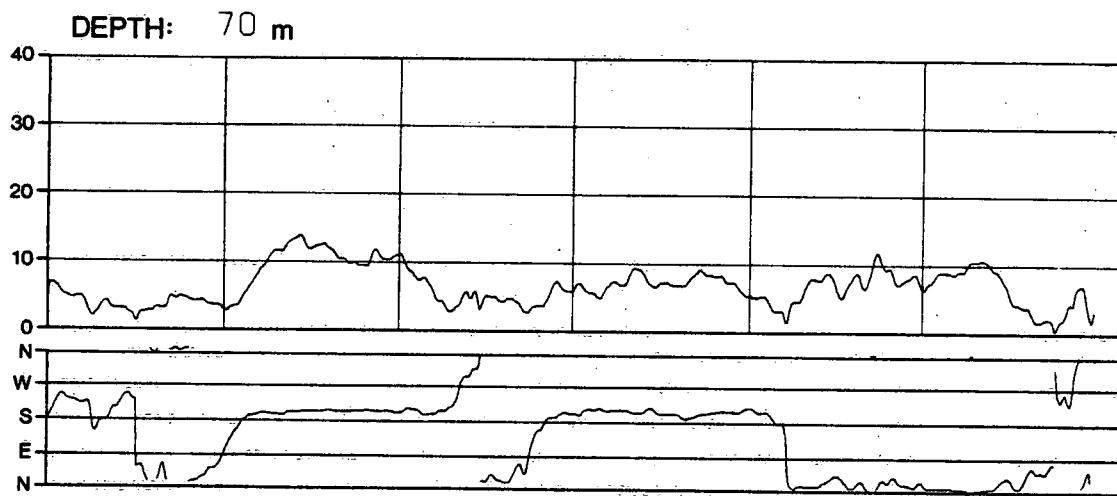
MOORING: 9

DATE: JUNE 1974

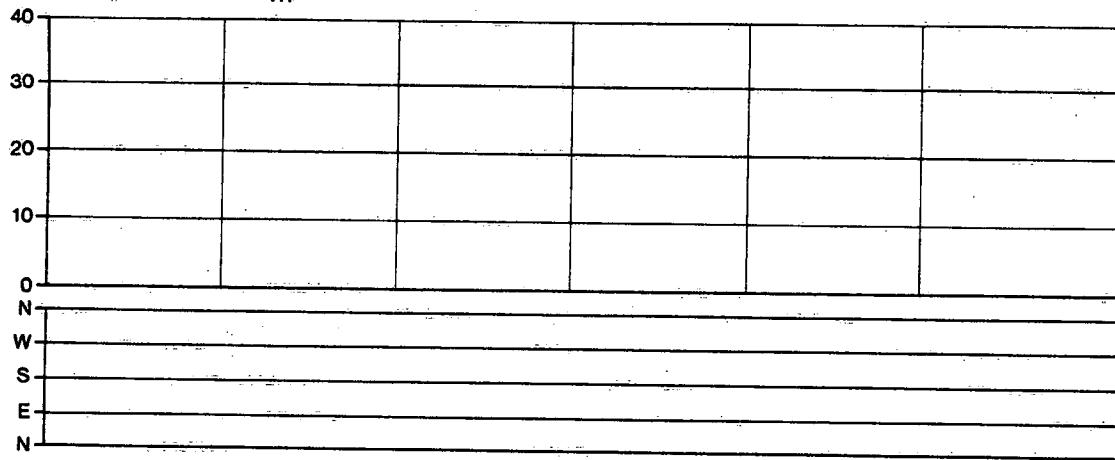
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: m



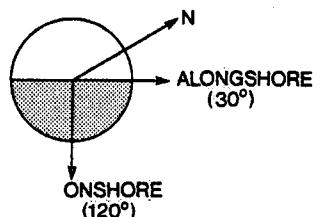
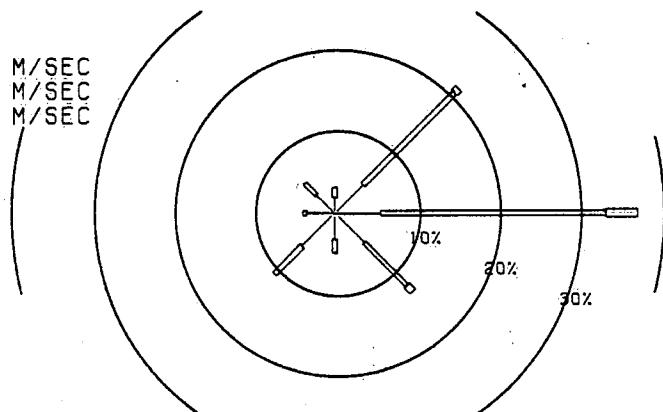
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 9

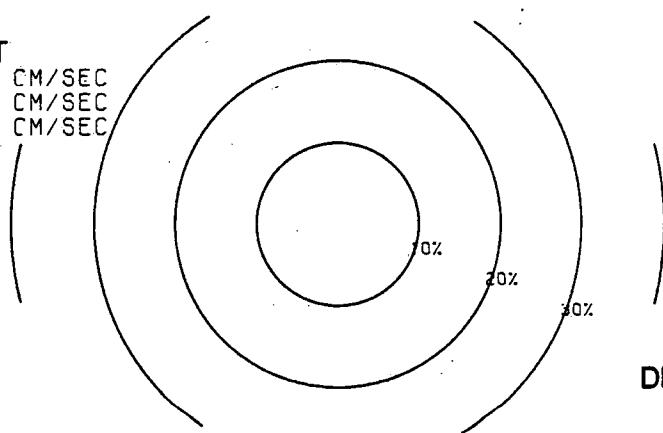
DATE: JUNE 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

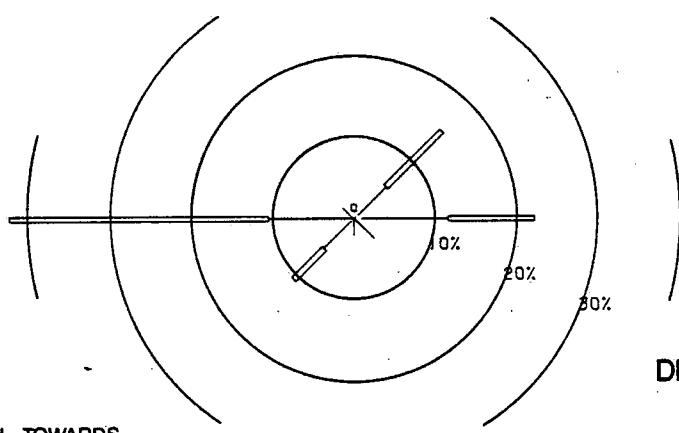
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

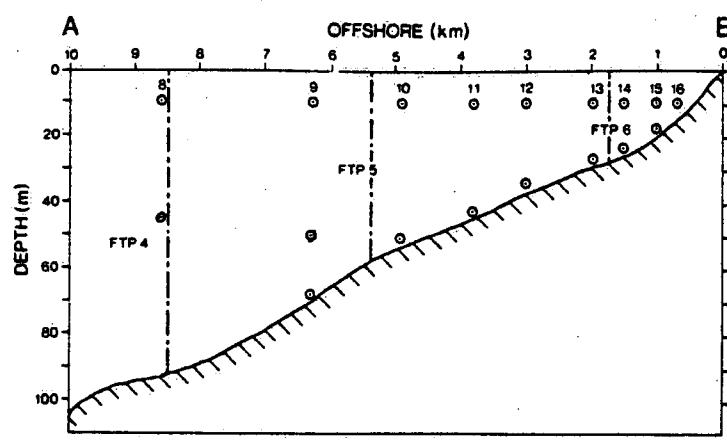


DEPTH: m



DEPTH: 70 m

\*DIRECTION TOWARDS

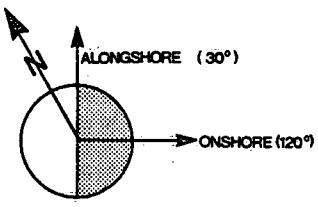


MOORING 10

JUNE 1974

MOORING: 10

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

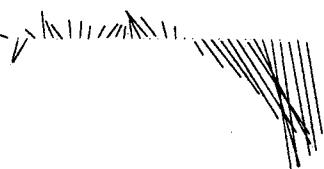


DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 53 m



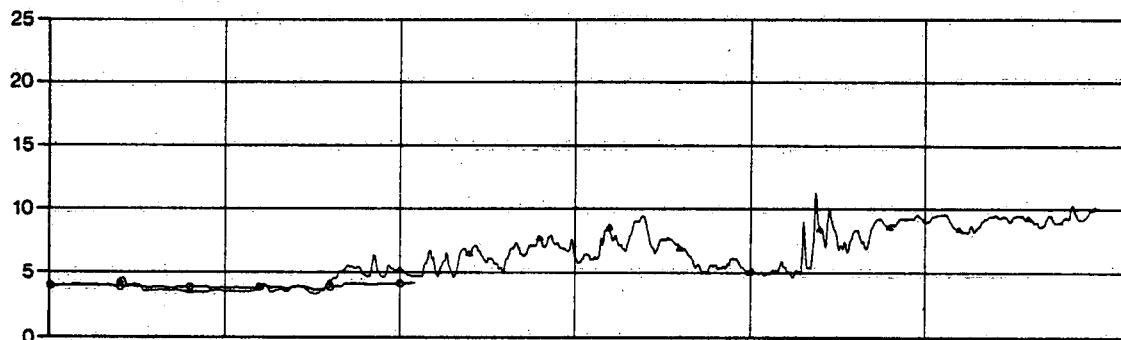
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 10

DATE: JUNE 1974

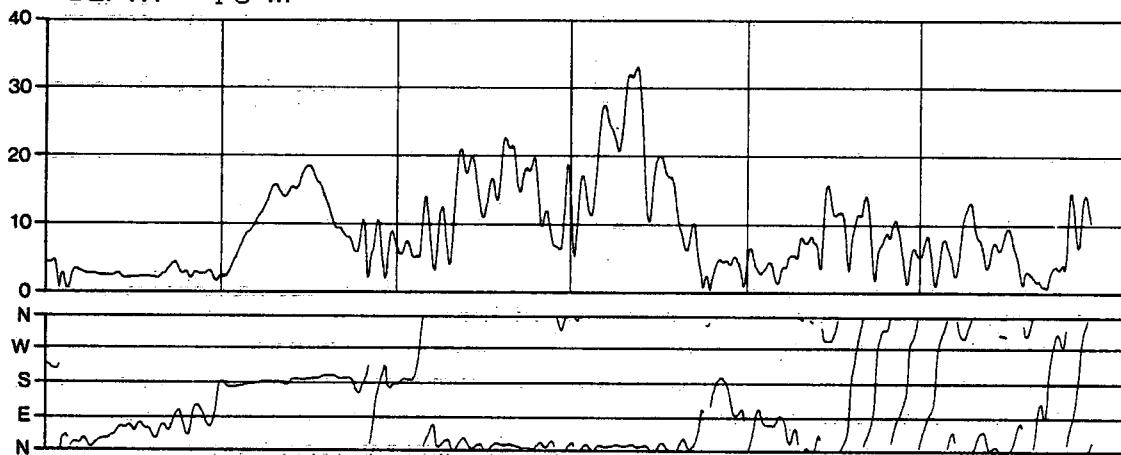
TEMPERATURE °C

△ - 10 m  
○ - 53 m

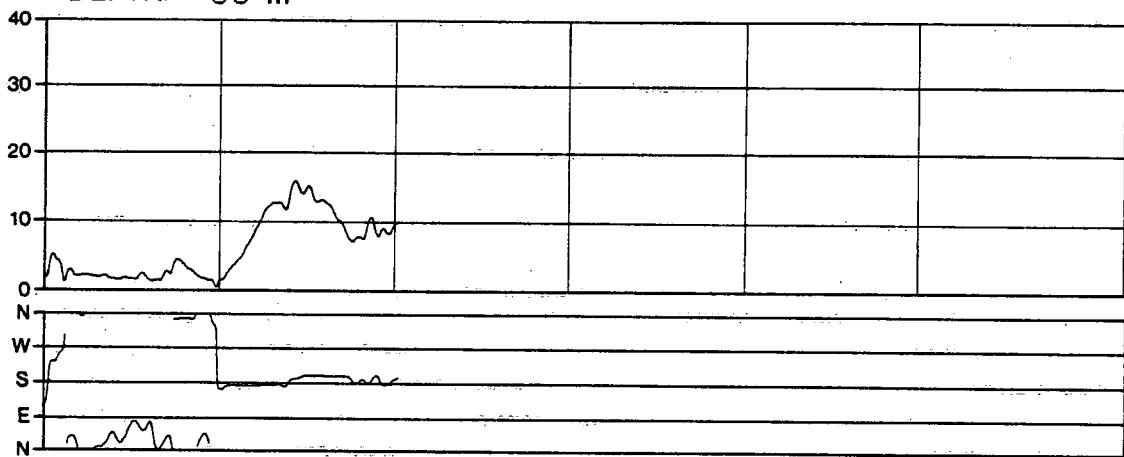


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 53 m



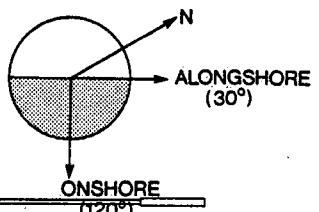
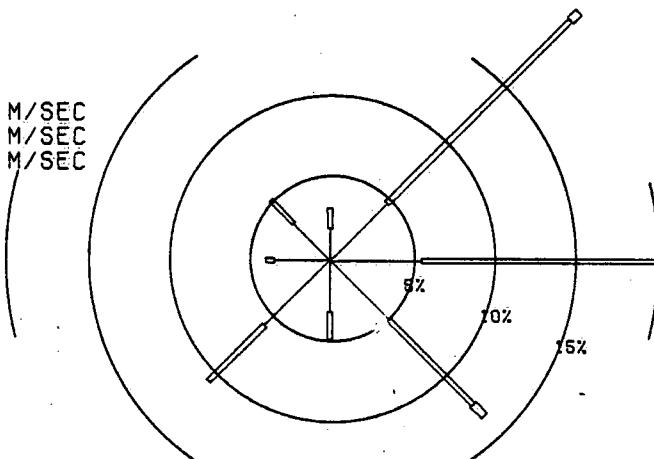
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 10

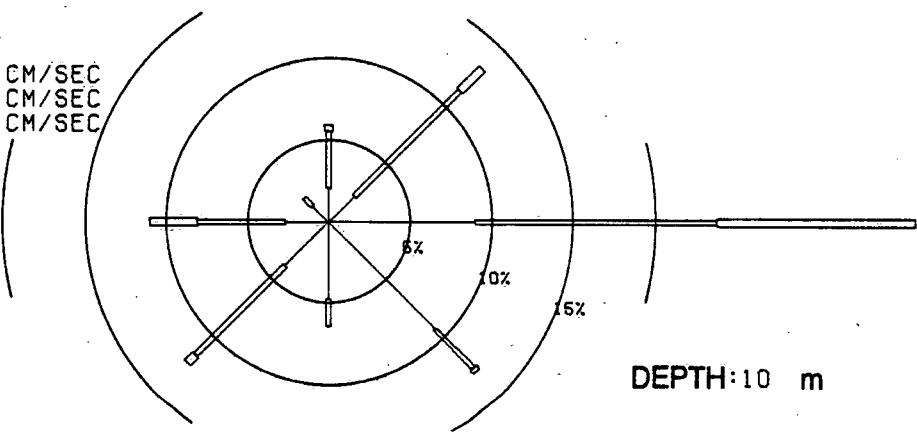
DATE: JUNE 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

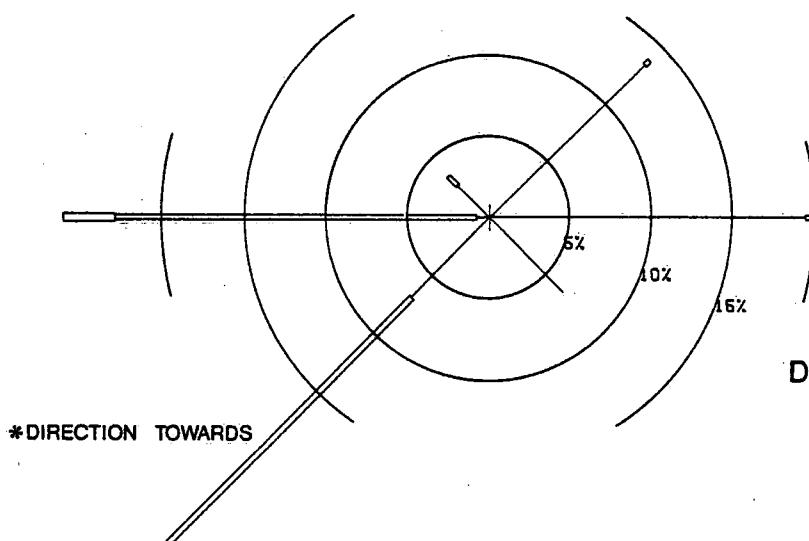
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

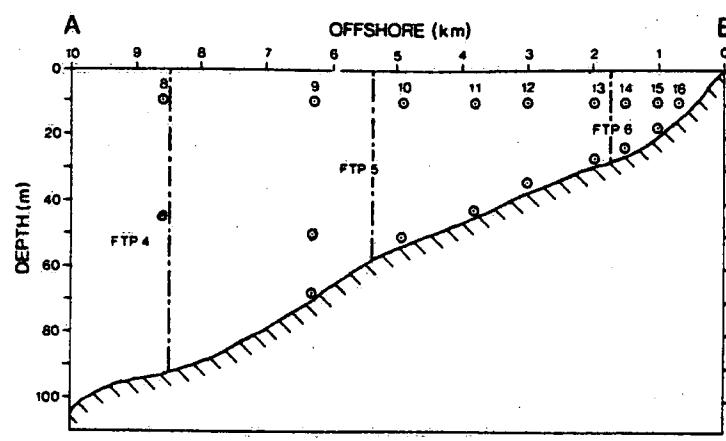


DEPTH: 10 m



DEPTH: 53 m

\*DIRECTION TOWARDS

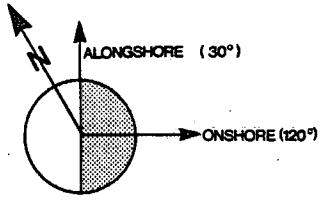


MOORING 11

JUNE 1974

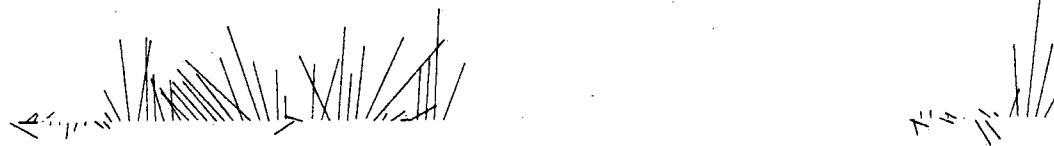
MOORING: 11

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



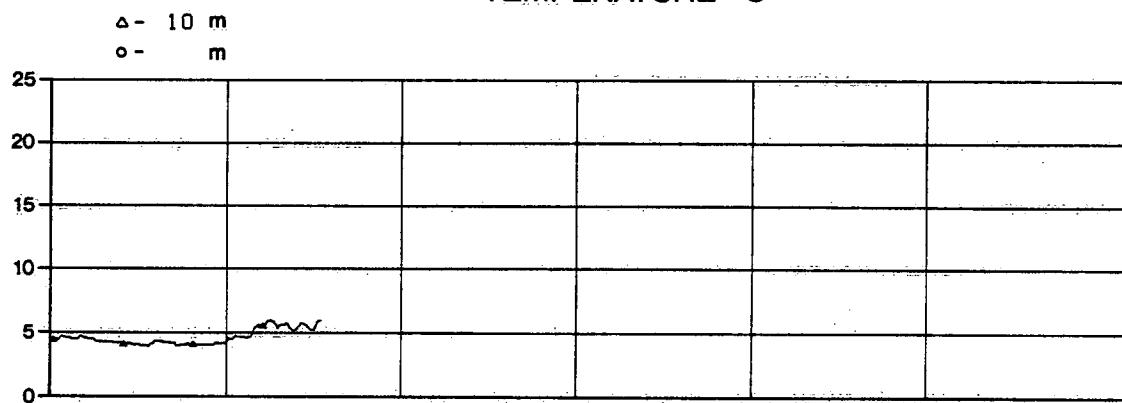
DEPTH: m

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 27 28 29 30 31

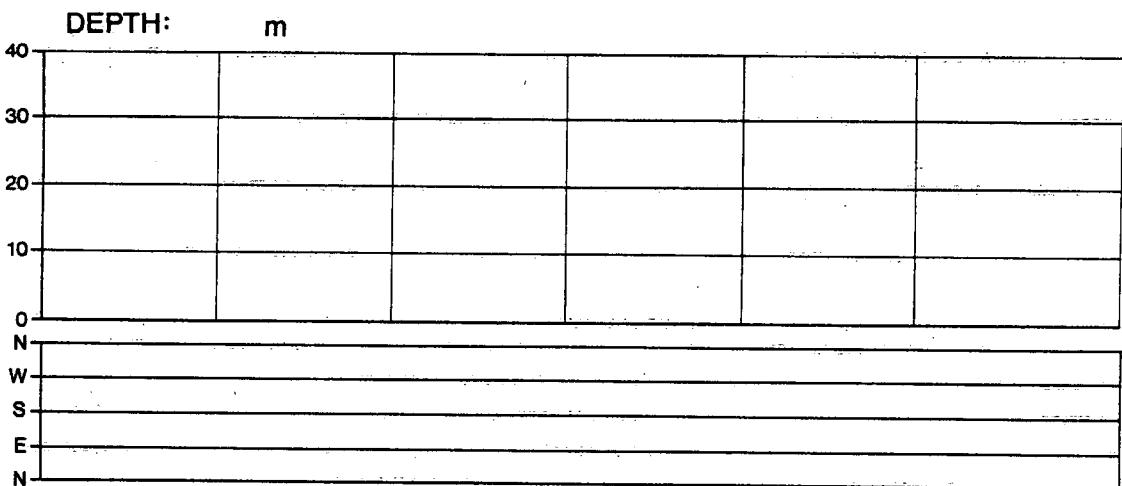
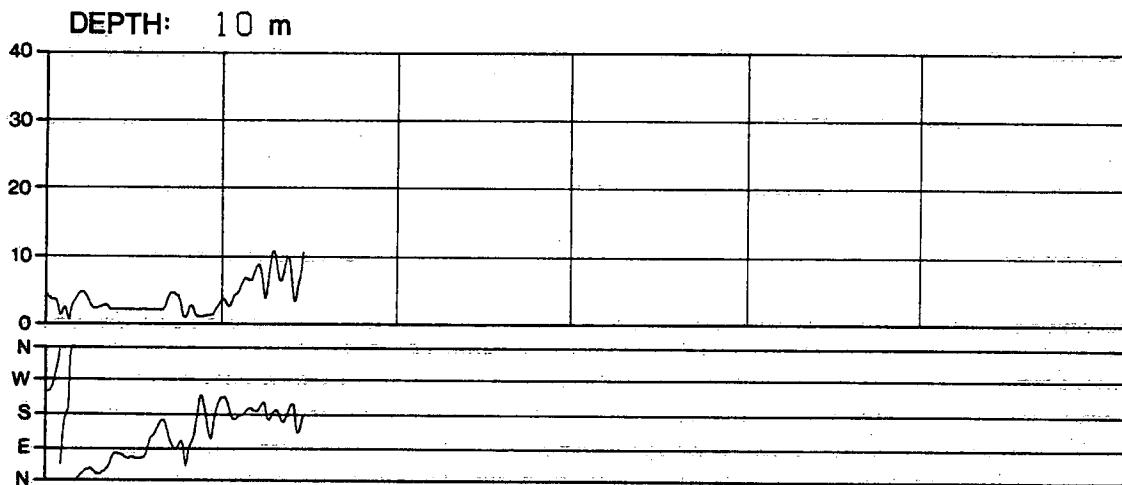
MOORING: 11

DATE: JUNE 1974

TEMPERATURE °C



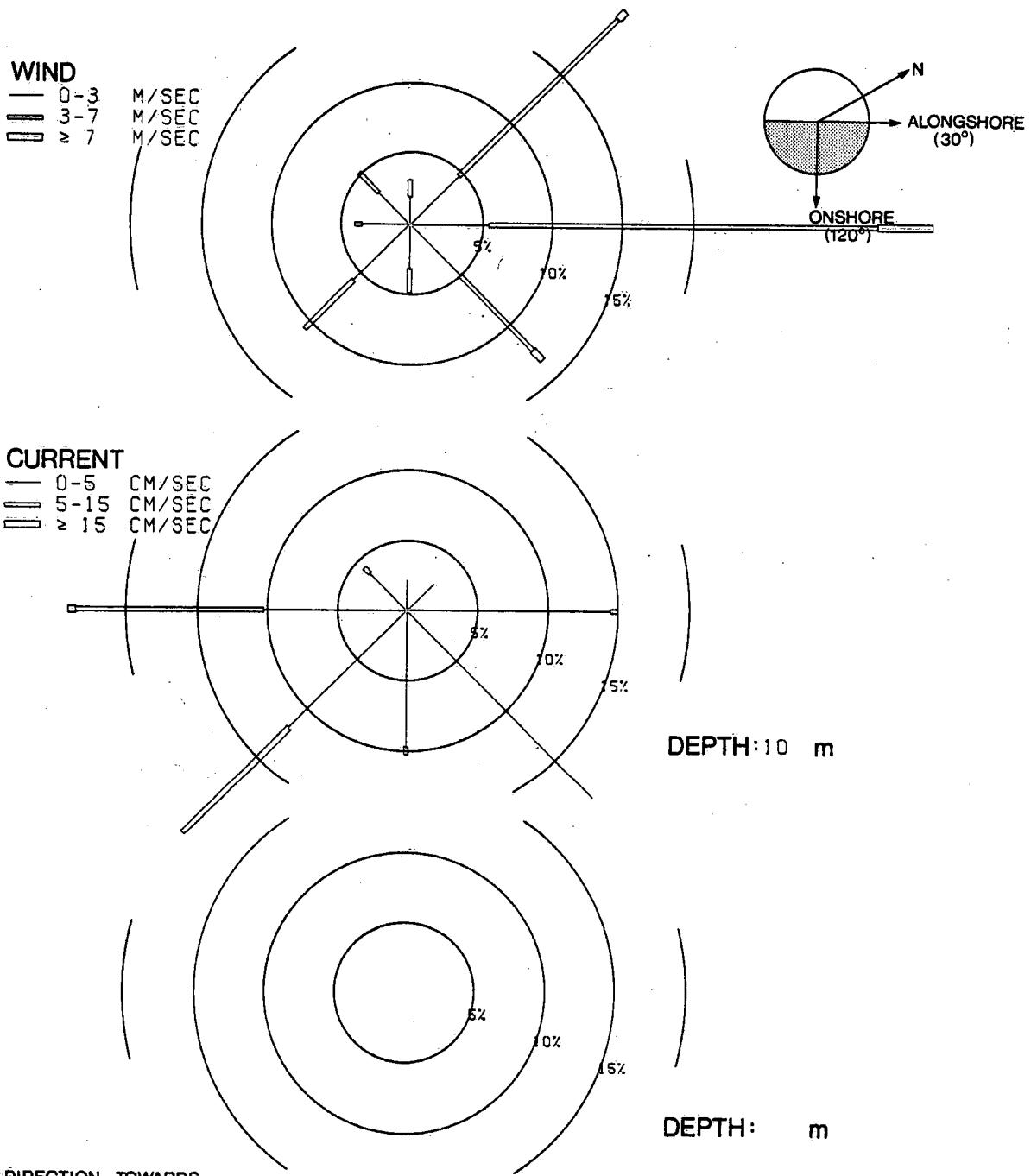
FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



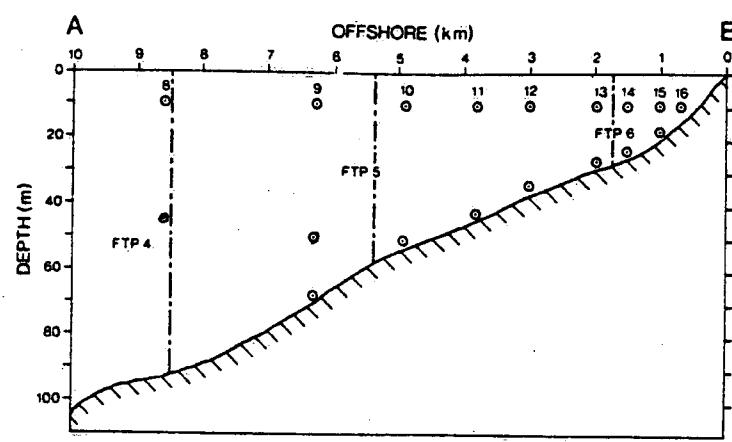
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 11 DATE: JUNE 1974

MONTHLY SUMMARY: WIND AND CURRENT\*



\*DIRECTION TOWARDS

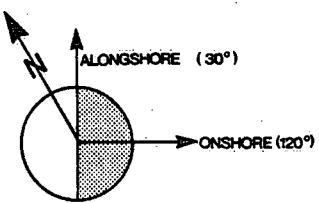


MOORING 12

JUNE 1974

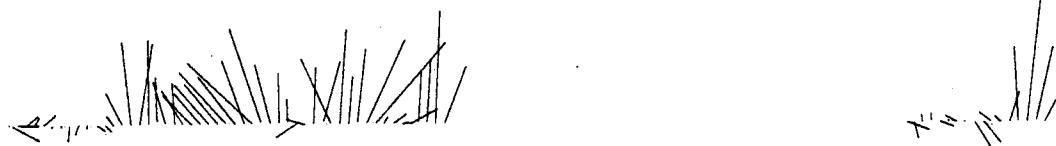
MOORING: 12

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>



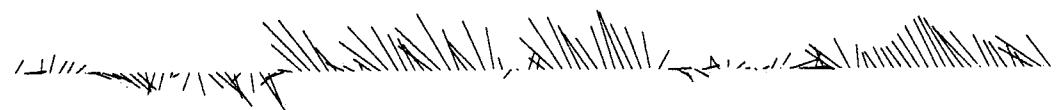
DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: 35 m



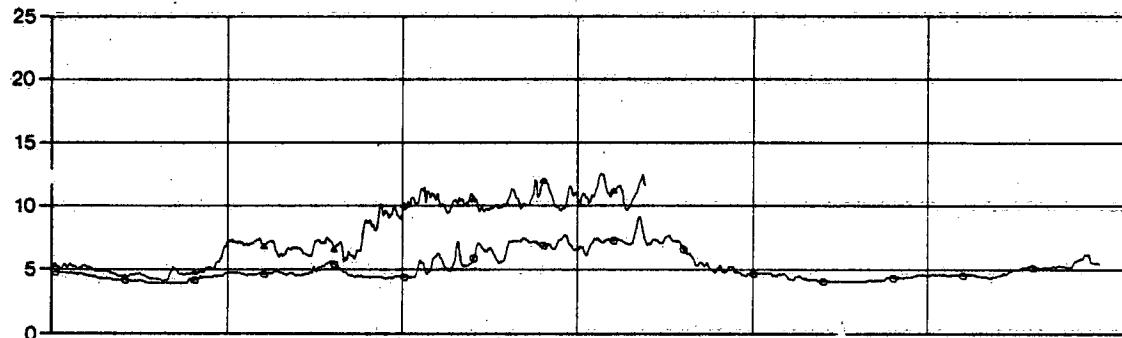
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12

DATE: JUNE 1974

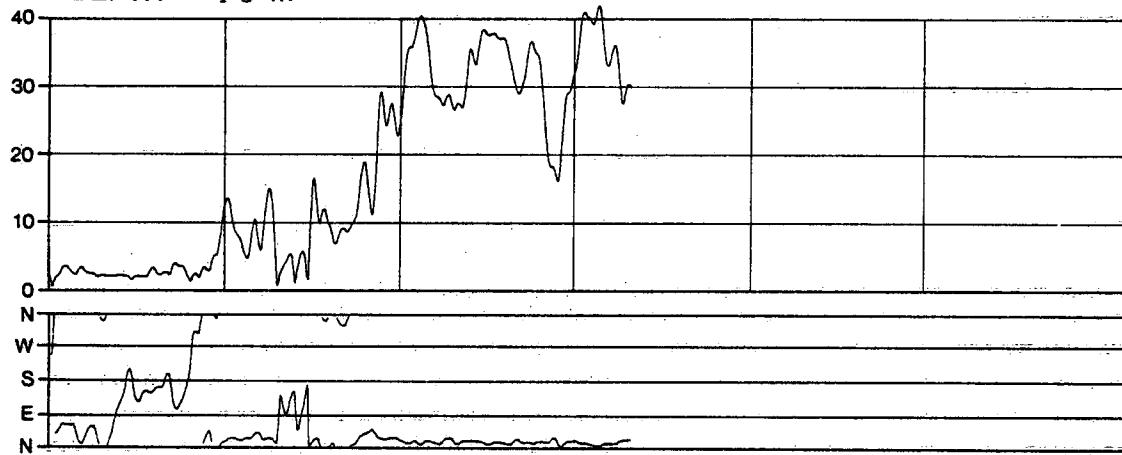
TEMPERATURE °C

△ - 10 m  
○ - 35 m

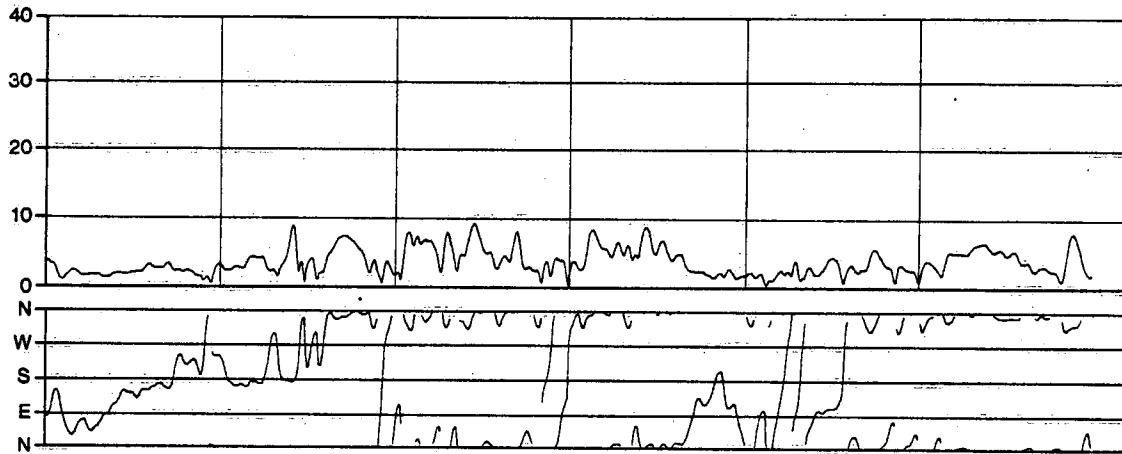


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 35 m



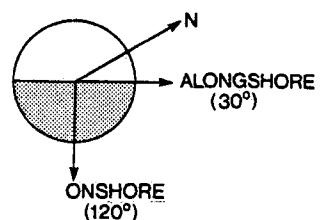
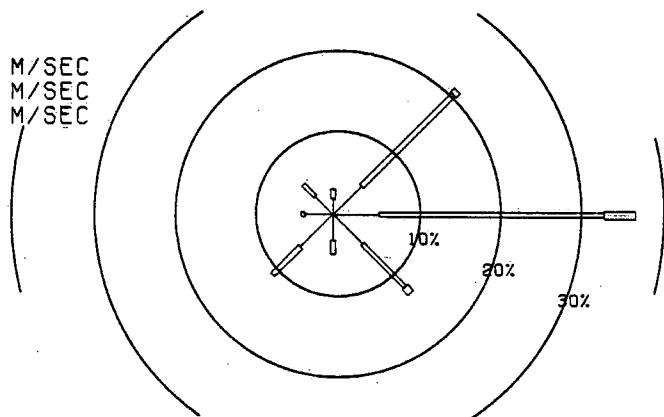
'1 '2 '3 '4 '5 '6 '7 '8 '9 '10 '11 '12 '13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31'

MOORING: 12

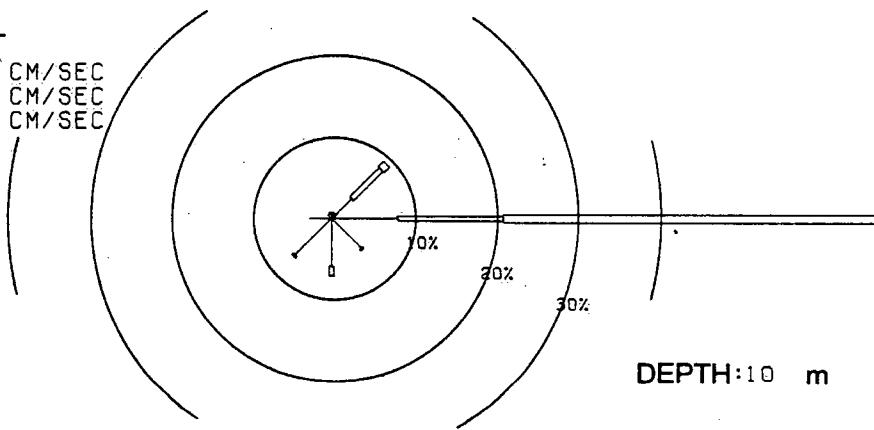
DATE: JUNE 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

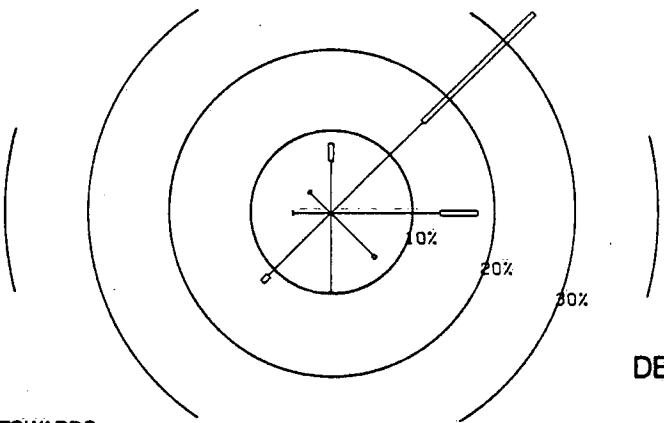
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

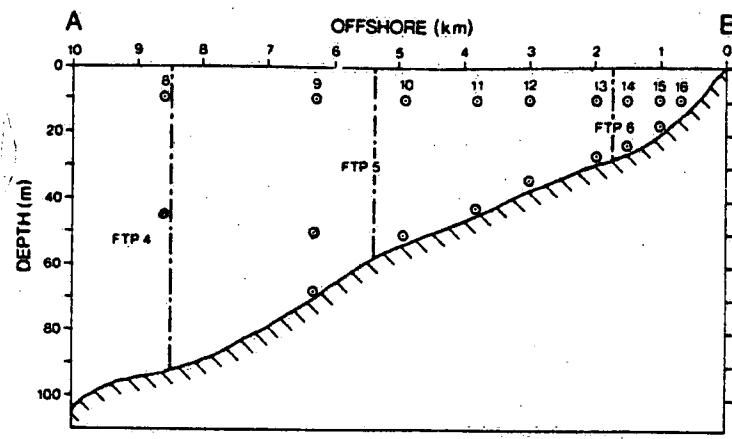


DEPTH: 10 m



DEPTH: 35 m

\*DIRECTION TOWARDS

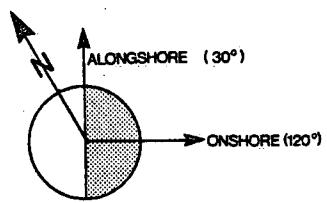


MOORING 13

JUNE 1974

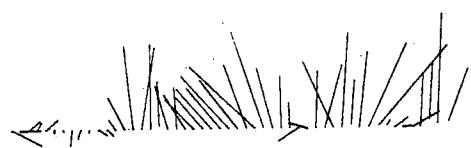
MOORING: 13

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

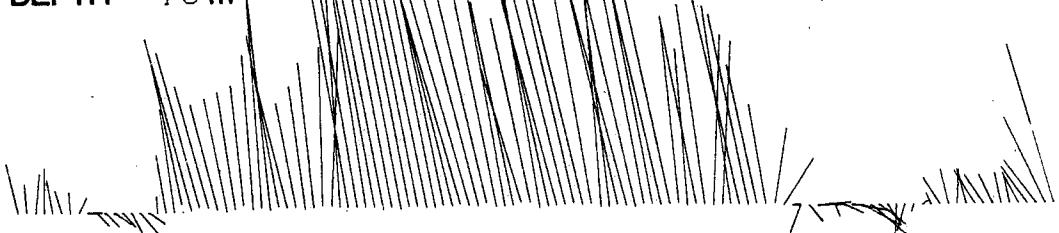
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 28 m



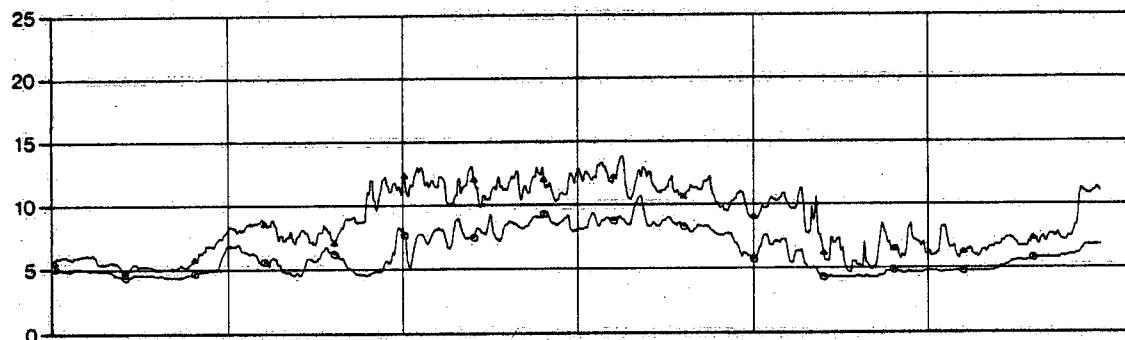
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 13

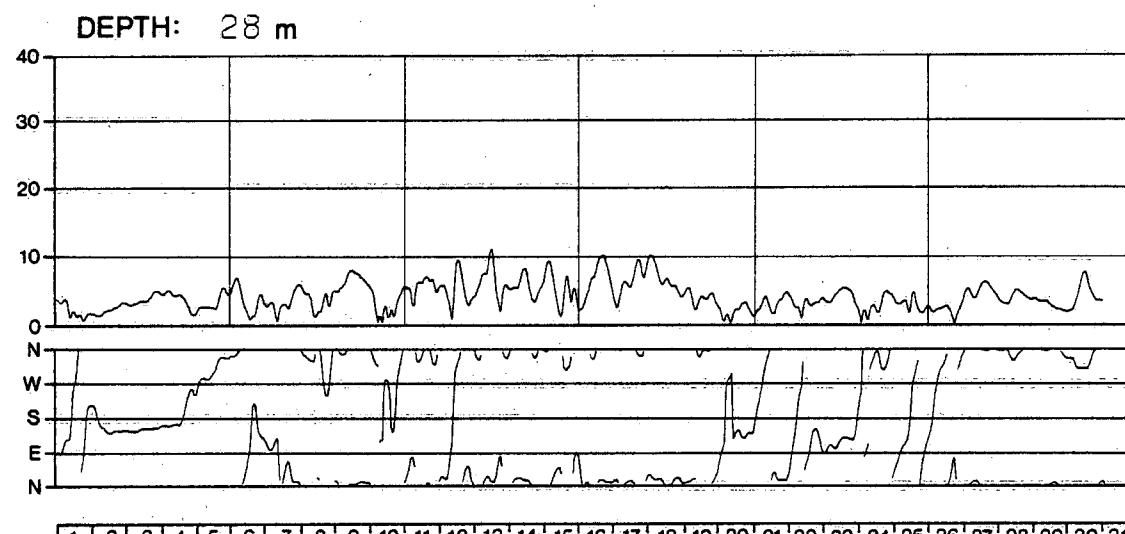
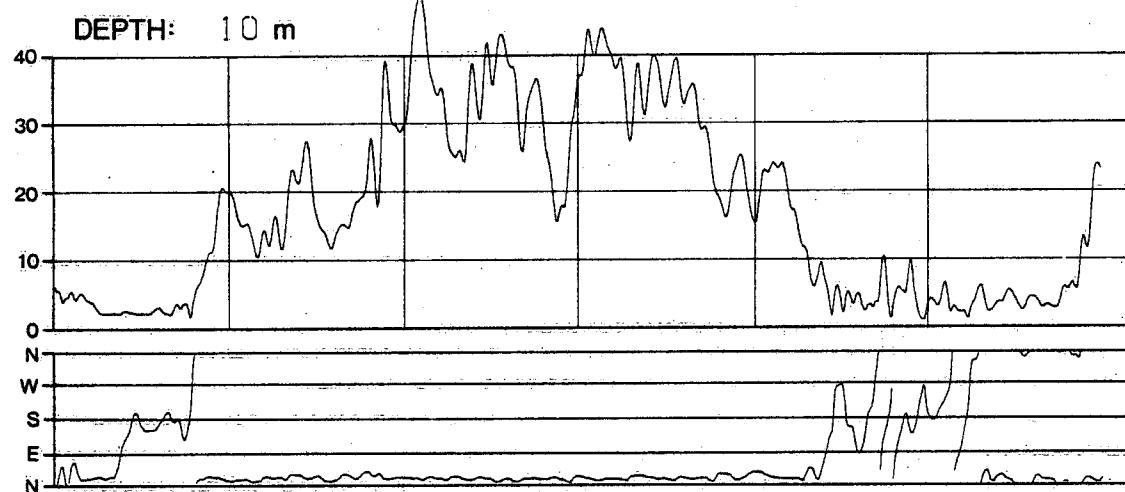
DATE: JUNE 1974

TEMPERATURE °C

△ - 10 m  
○ - 28 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



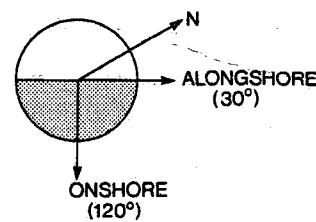
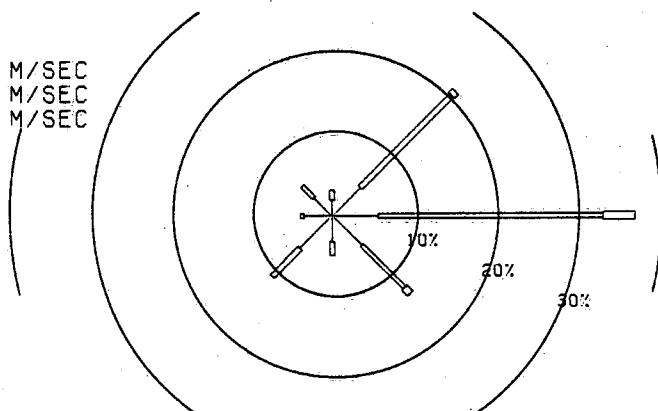
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 13

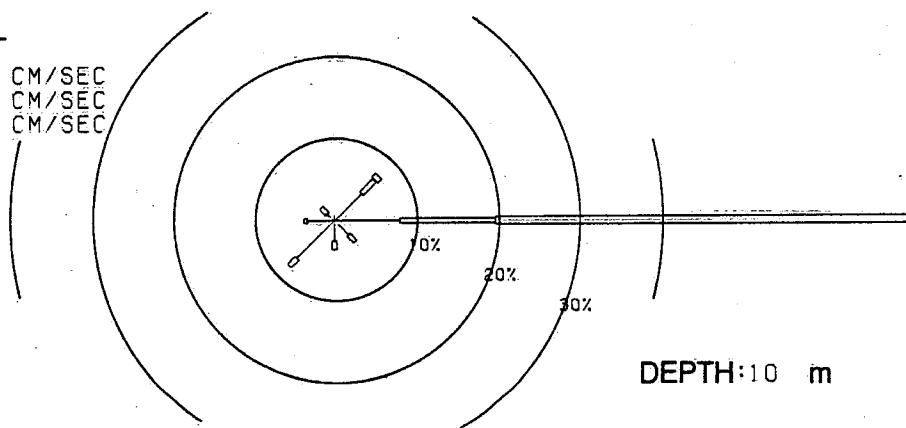
DATE: JUNE 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

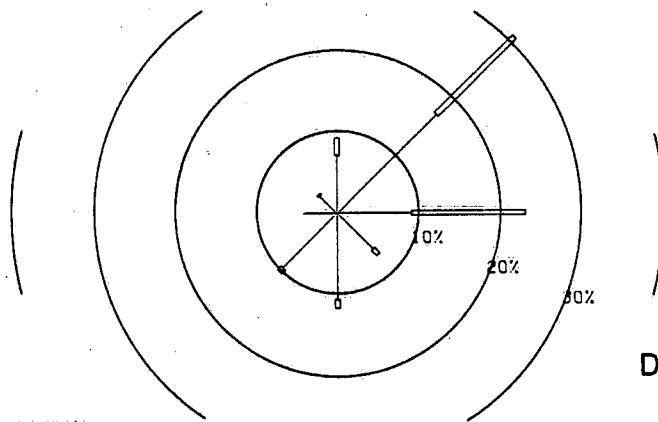


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

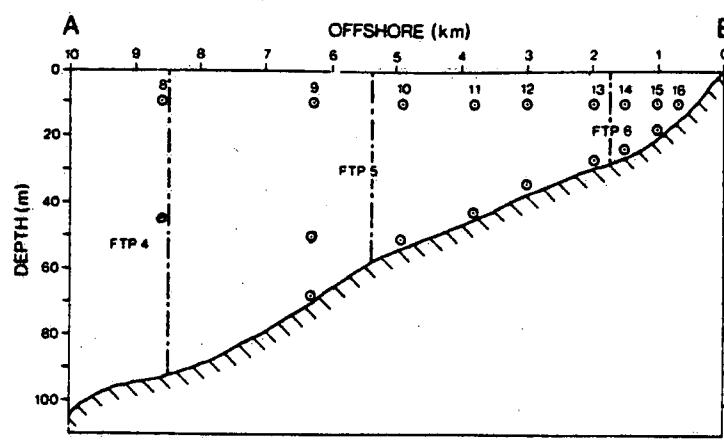


DEPTH: 10 m

\*DIRECTION TOWARDS



DEPTH: 28 m

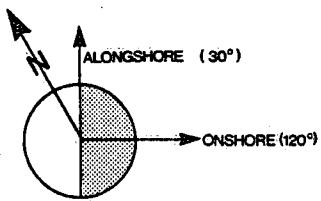


MOORING 14

JUNE 1974

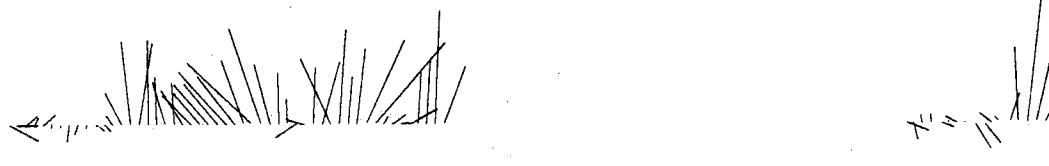
MOORING: 14

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

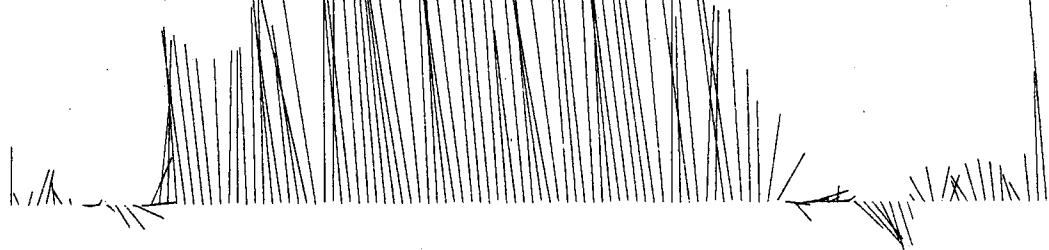
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

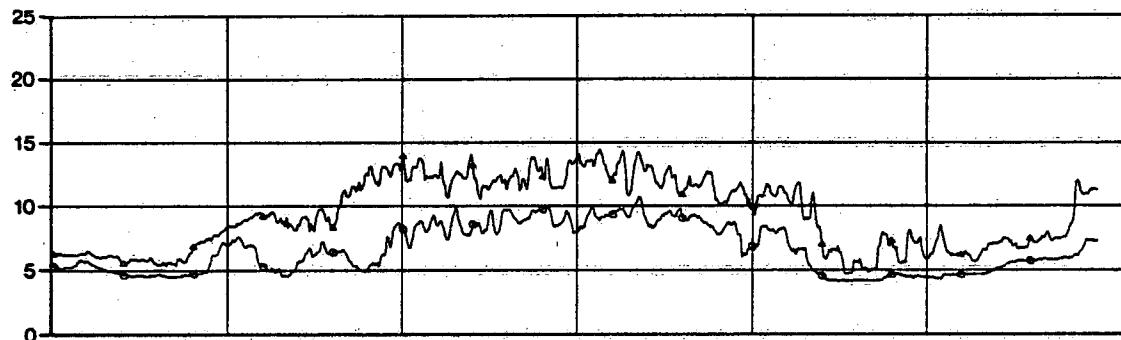
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14

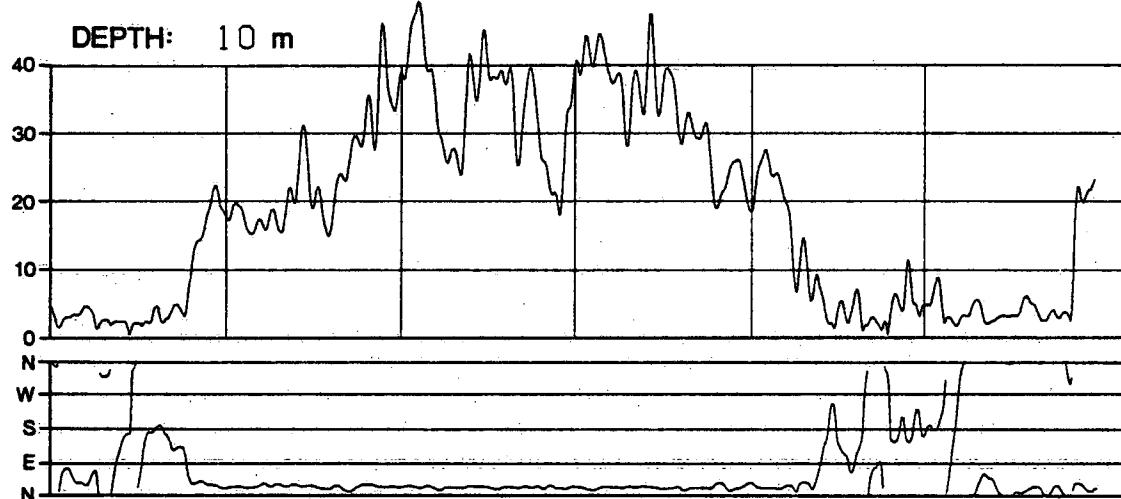
DATE: JUNE 1974

TEMPERATURE °C

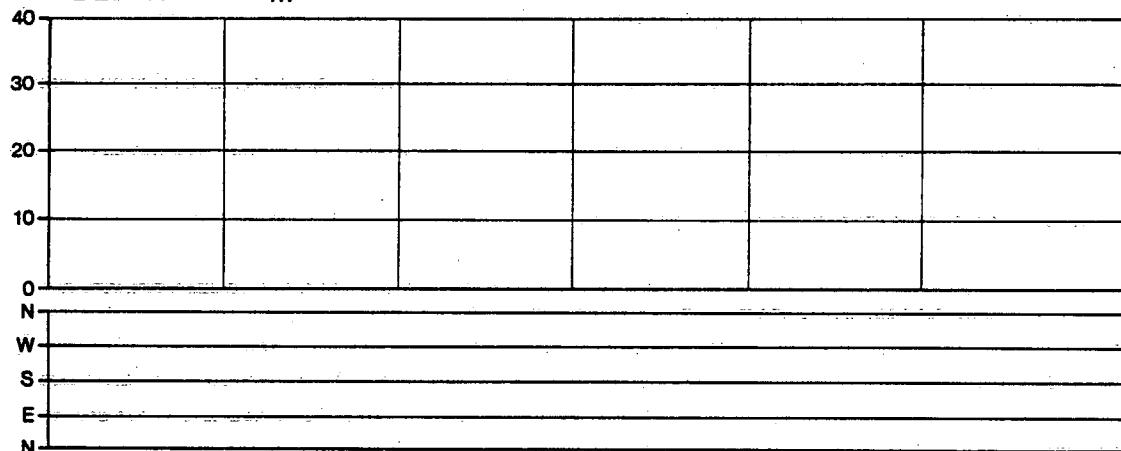
△ - 10 m  
○ - 27 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



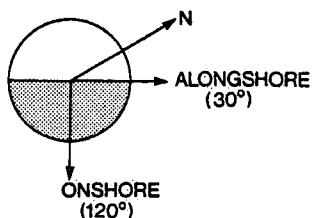
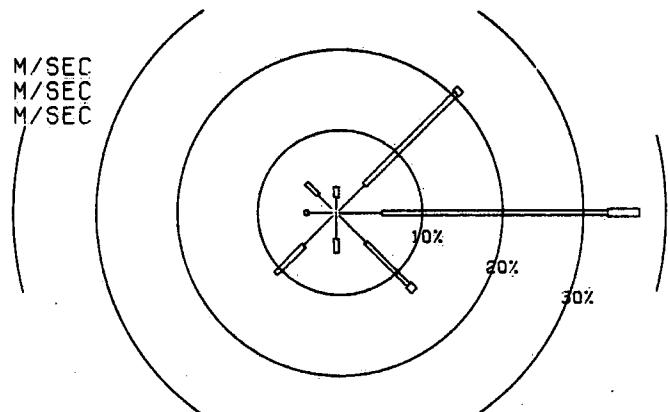
DEPTH: m



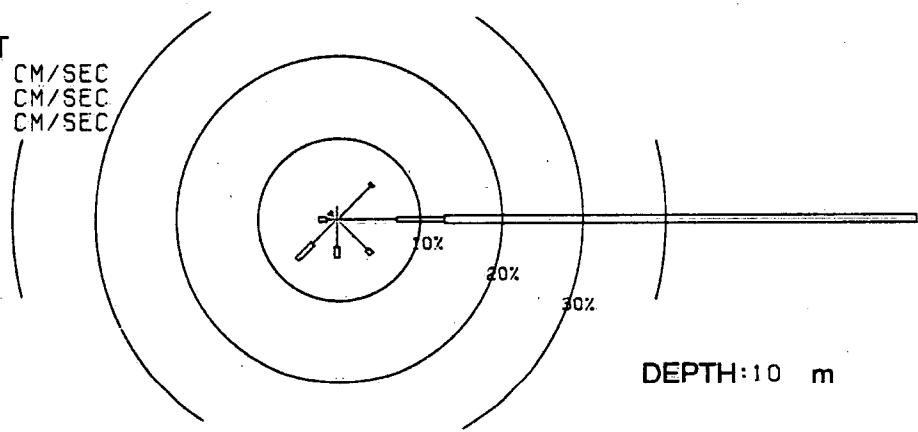
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 14 DATE: JUNE 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

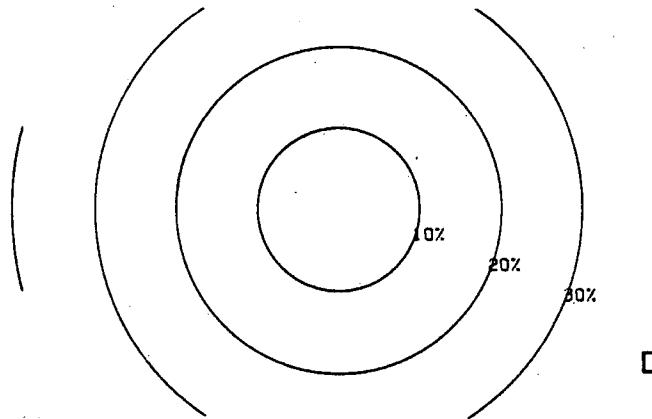
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

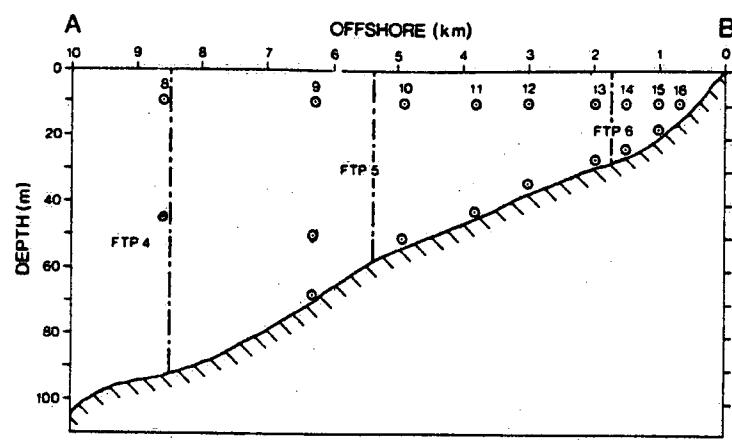


DEPTH: 10 m



DEPTH: m

\*DIRECTION TOWARDS

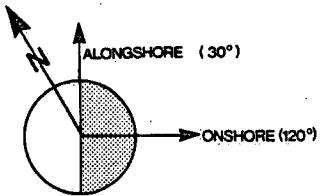


MOORING 15

JUNE 1974

MOORING: 15

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: 19 m



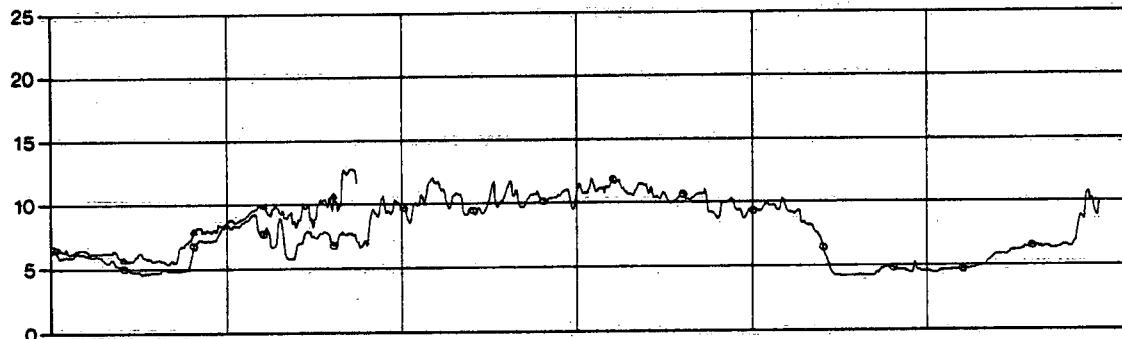
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 15

DATE: JUNE 1974

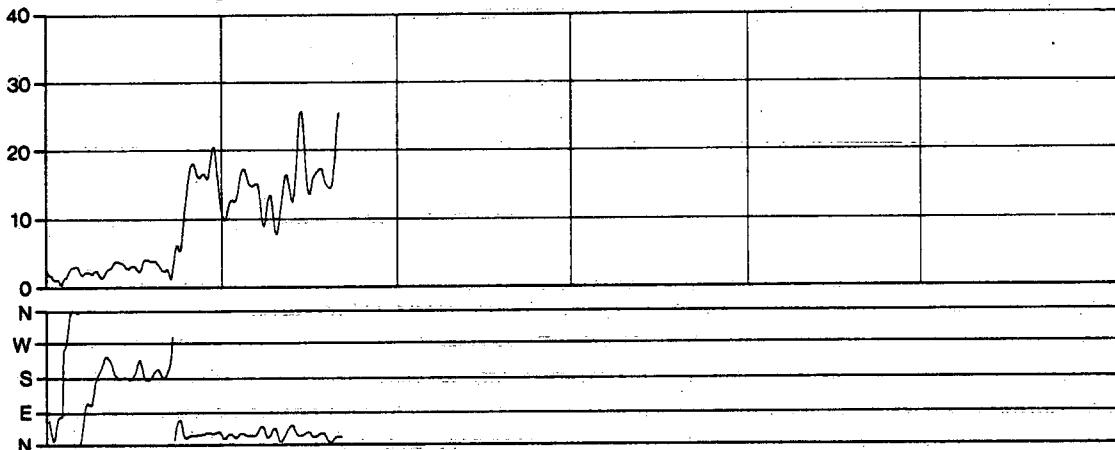
TEMPERATURE °C

△ - 10 m  
○ - 19 m

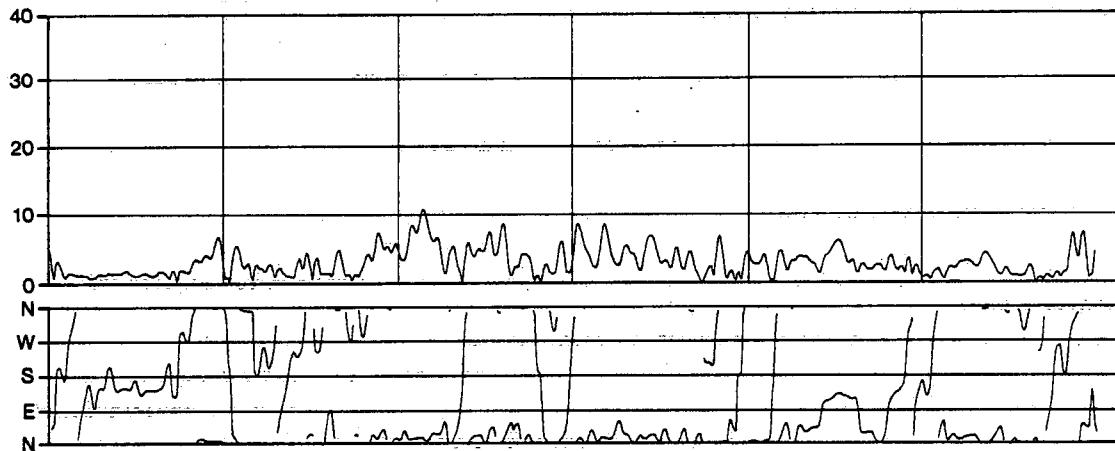


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



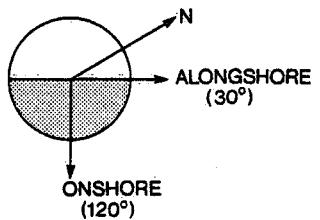
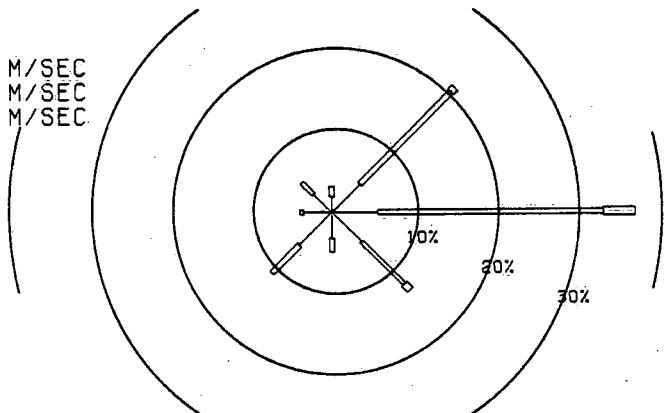
DEPTH: 19 m



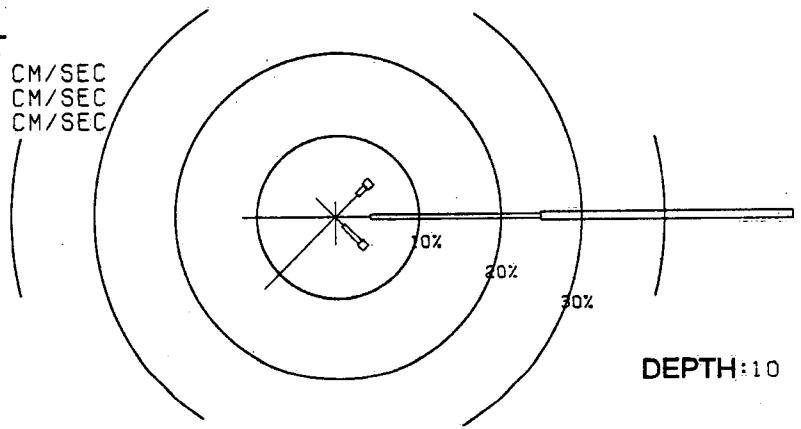
'1 '2 '3 '4 '5 '6 '7 '8 '9 '10 '11 '12 '13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31

MOORING: 15      DATE: JUNE 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

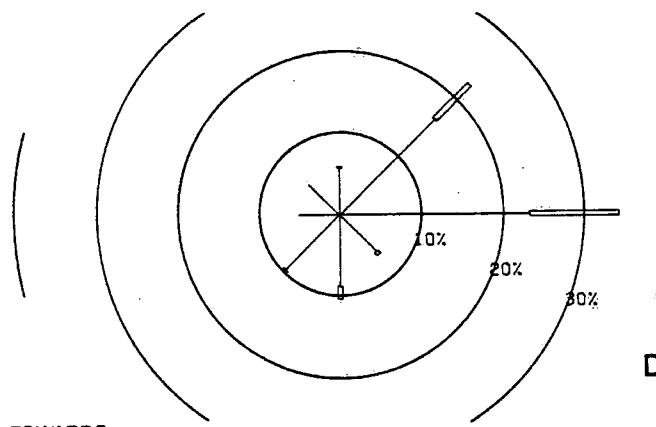
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

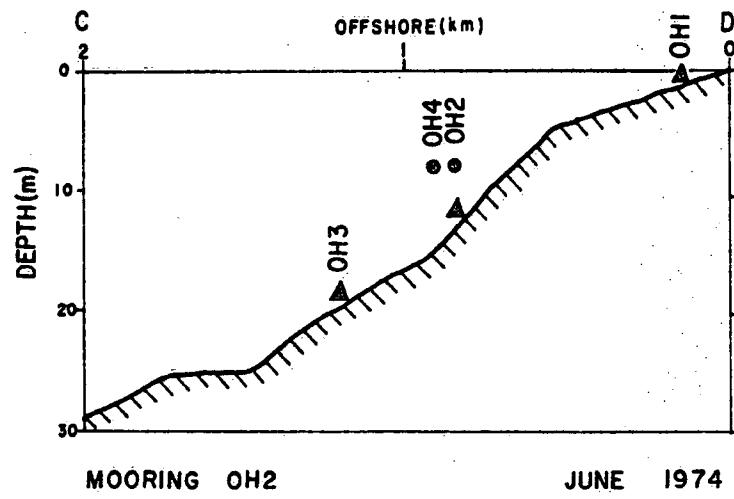


DEPTH: 10 m



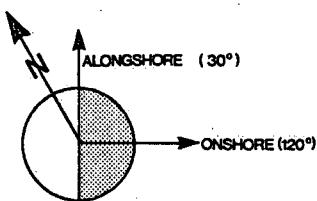
DEPTH: 19 m

\*DIRECTION TOWARDS



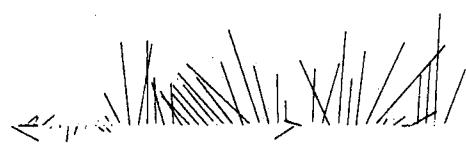
MOORING: OH2

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

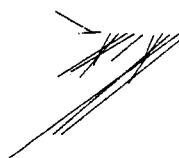
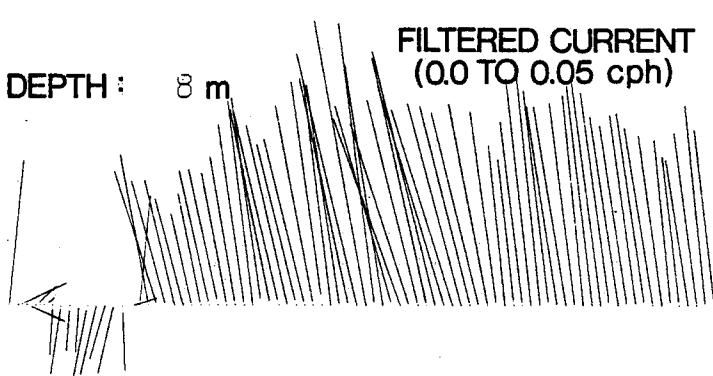
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



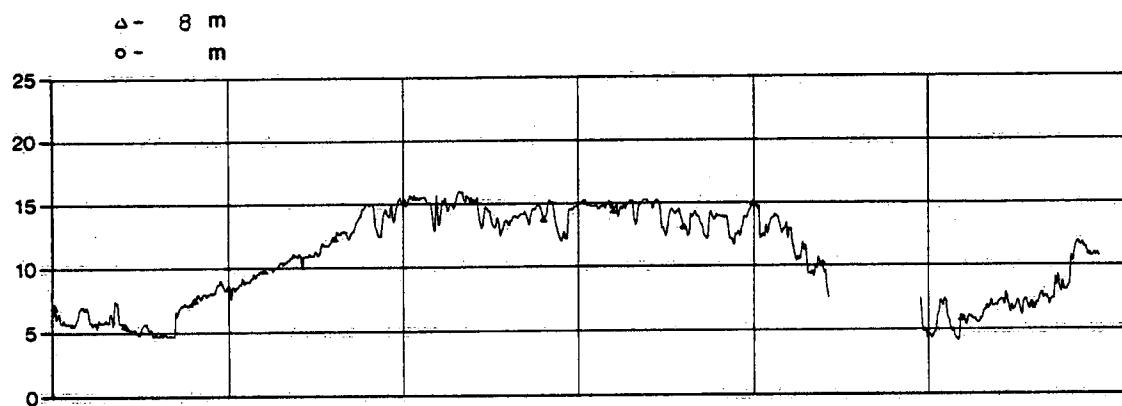
DEPTH: m

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' 27' 28' 29' 30' 31'

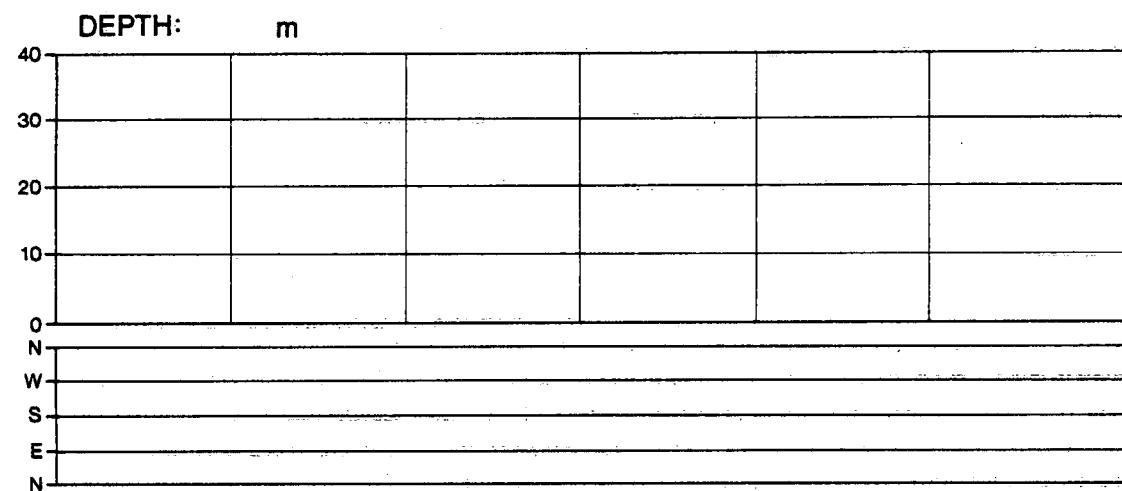
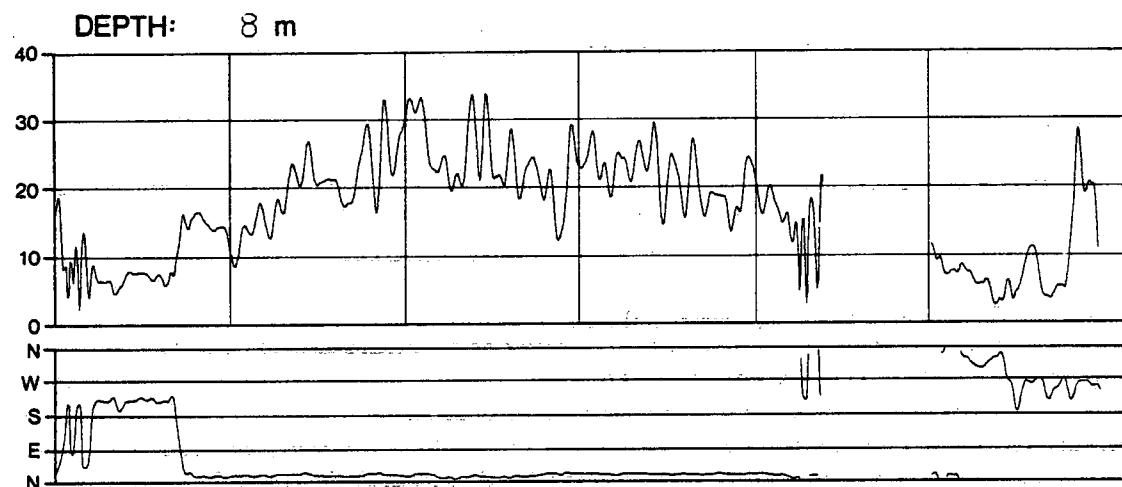
MOORING: OH2

DATE: JUNE 1974

TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

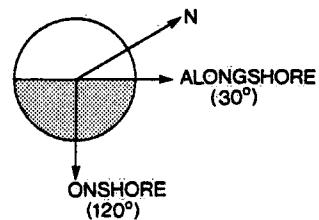
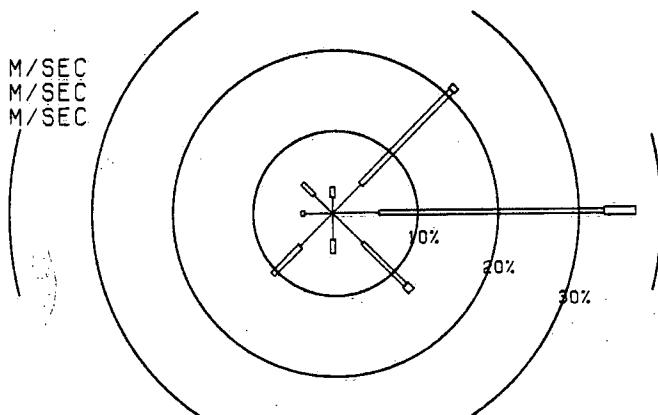


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: OH2 DATE: JUNE 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

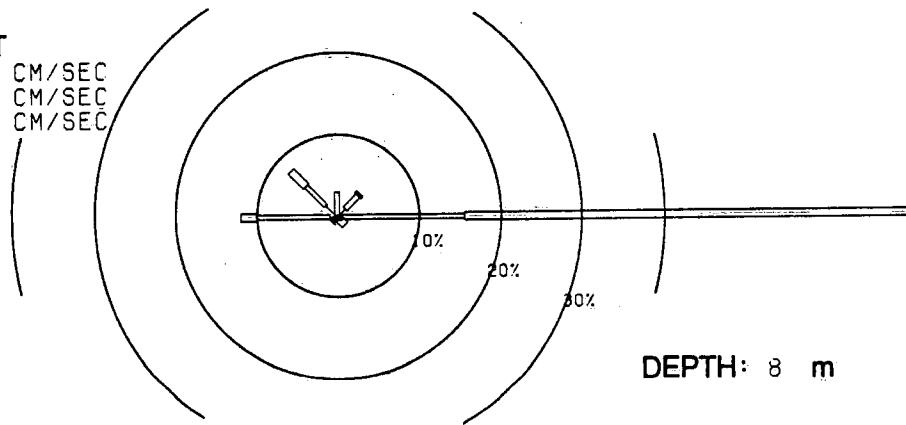
WIND

—	0-3	M/SEC
—	3-7	M/SEC
—	$\geq 7$	M/SEC

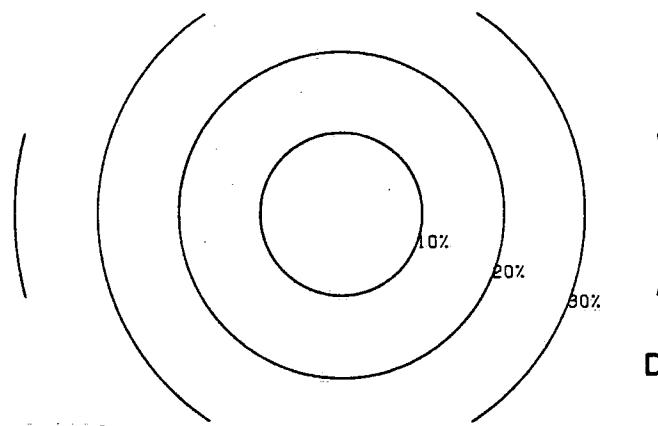


CURRENT

—	0-5	CM/SEC
—	5-15	CM/SEC
—	$\geq 15$	CM/SEC

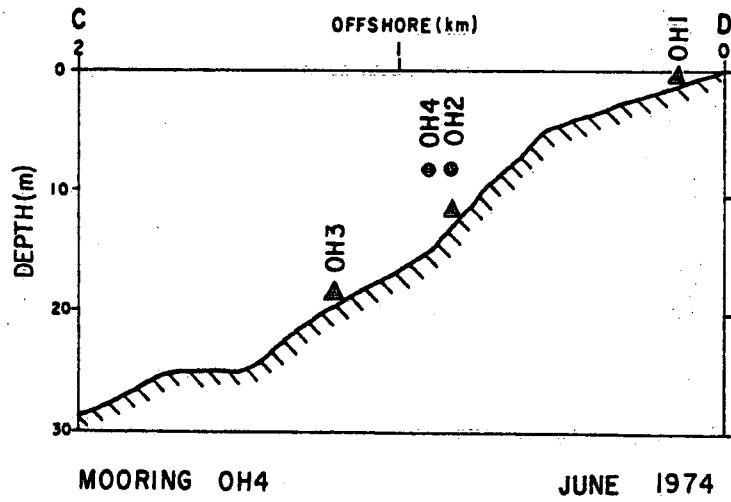


DEPTH: 8 m



DEPTH: m

\*DIRECTION TOWARDS

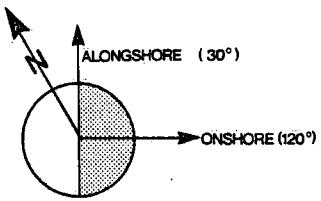


MOORING OH4

JUNE 1974

MOORING: OH4

DATE: JUNE 1974



WINDSPEED<sup>2</sup>

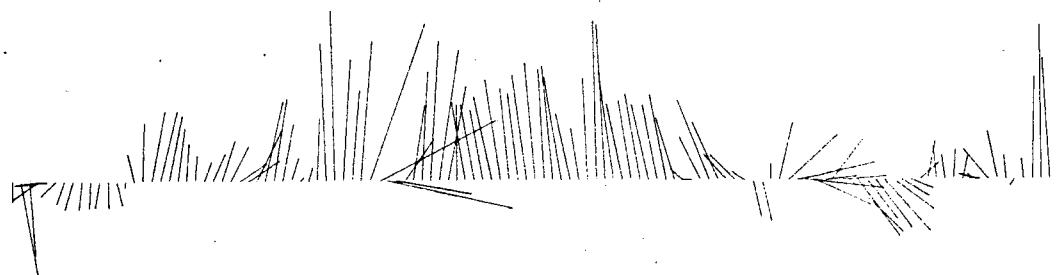
0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



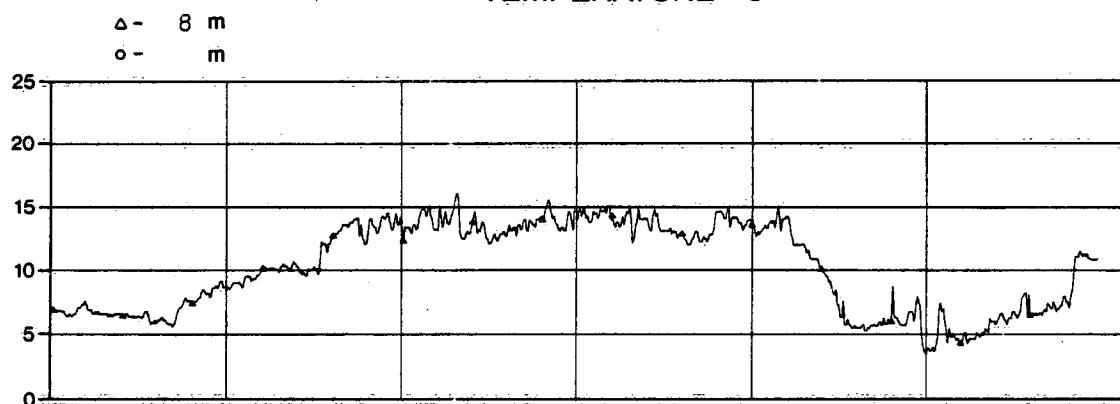
DEPTH: m

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 27 28 29 30 31

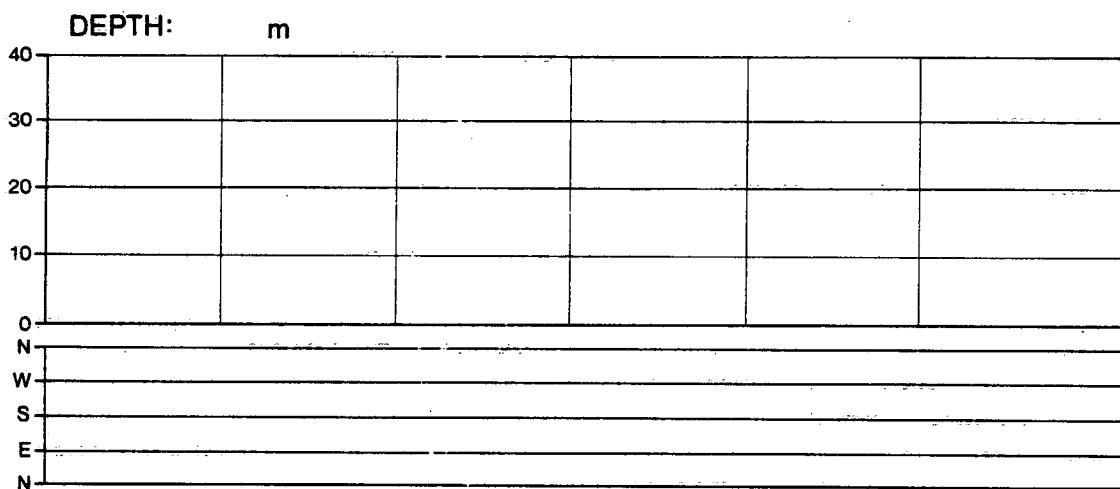
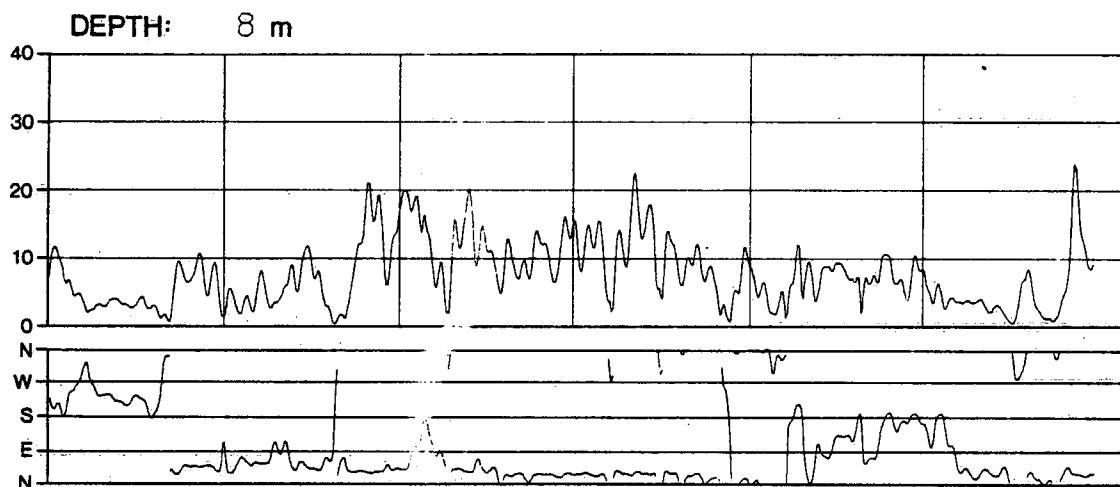
MOORING: OH4

DATE: JUNE 1974

TEMPERATURE °C

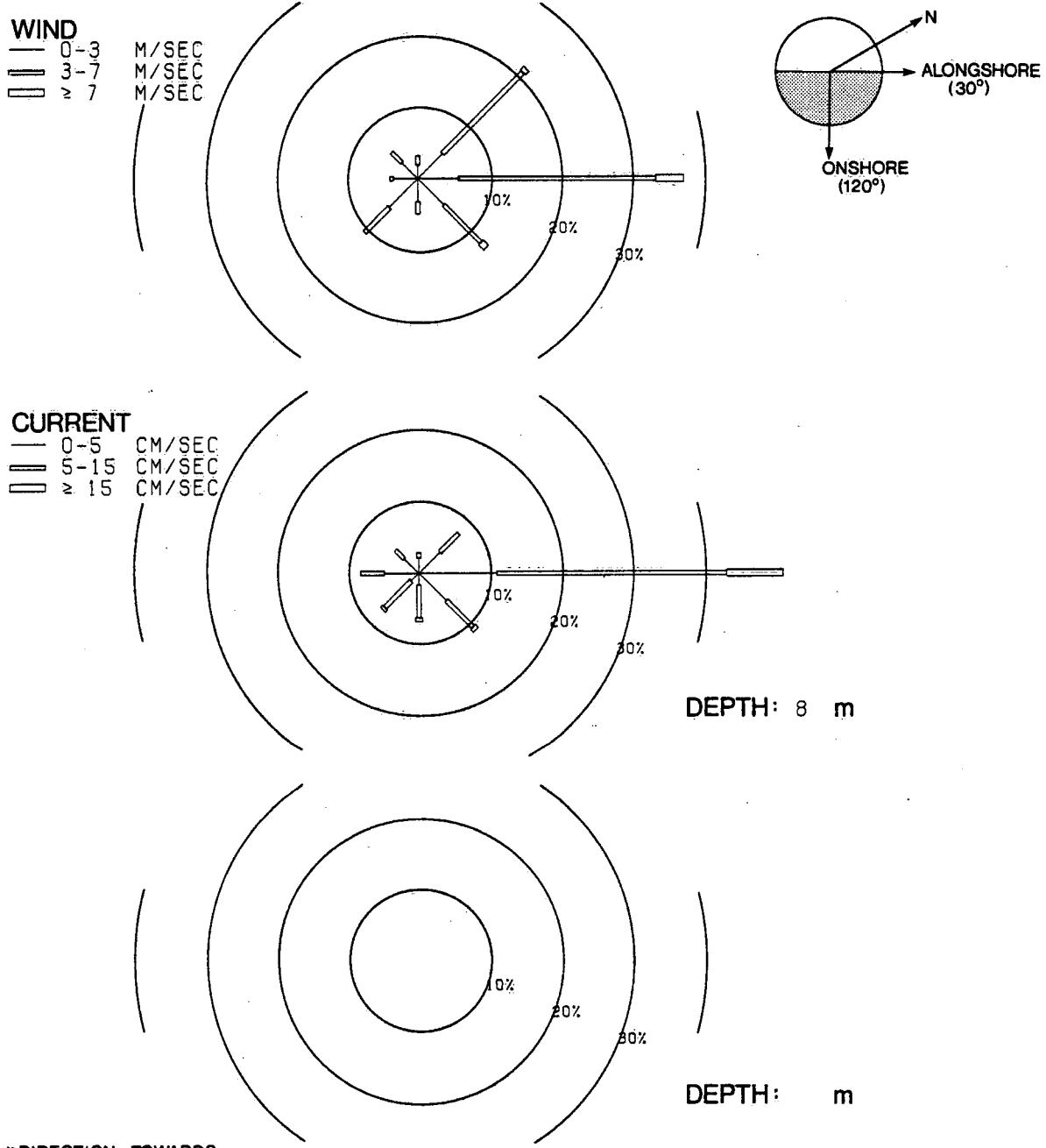


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



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' 27' 28' 29' 30' 31'

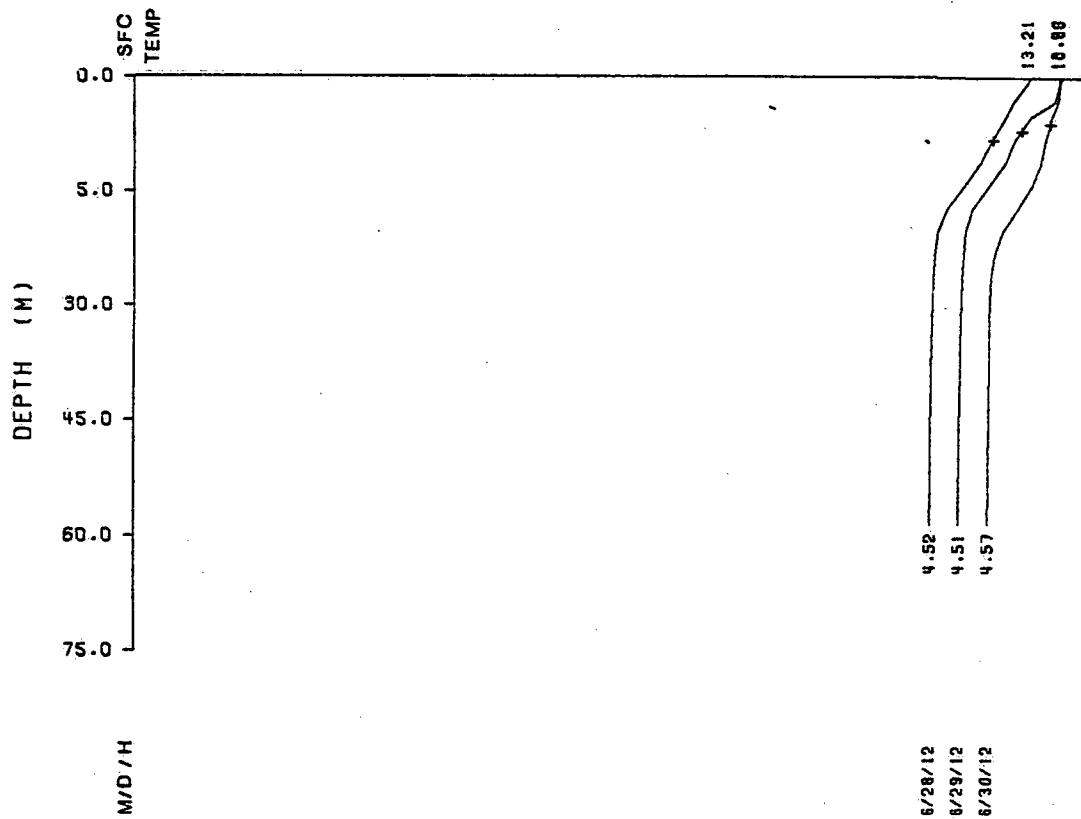
MOORING: 0H4 DATE: JUNE 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*



\*DIRECTION TOWARDS

## DAILY AVERAGED TEMPERATURE PROFILES

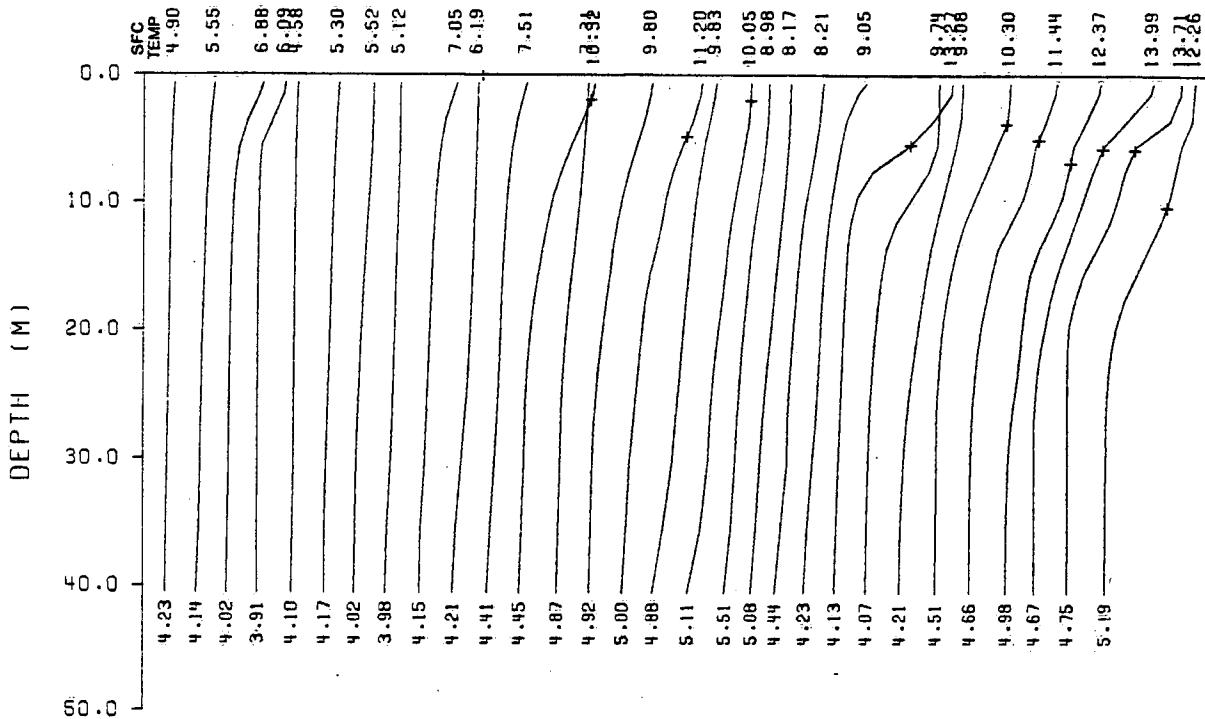
DATE - JUNE 1974  
LOCATION - L. HURON (DOUGLAS POINT)  
MOORING - 4  
INSTRUMENT - FIXED TEMPERATURE PROFILER  
ISOTHERM - 10 DEGREE MARKED WITH +



TEMPERATURE      SCALE °C  
5.00      10.00      25.00      35.00

# DAILY AVERAGED TEMPERATURE PROFILES

DATE - JUNE 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 5  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 10 DEGREE MARKED WITH +

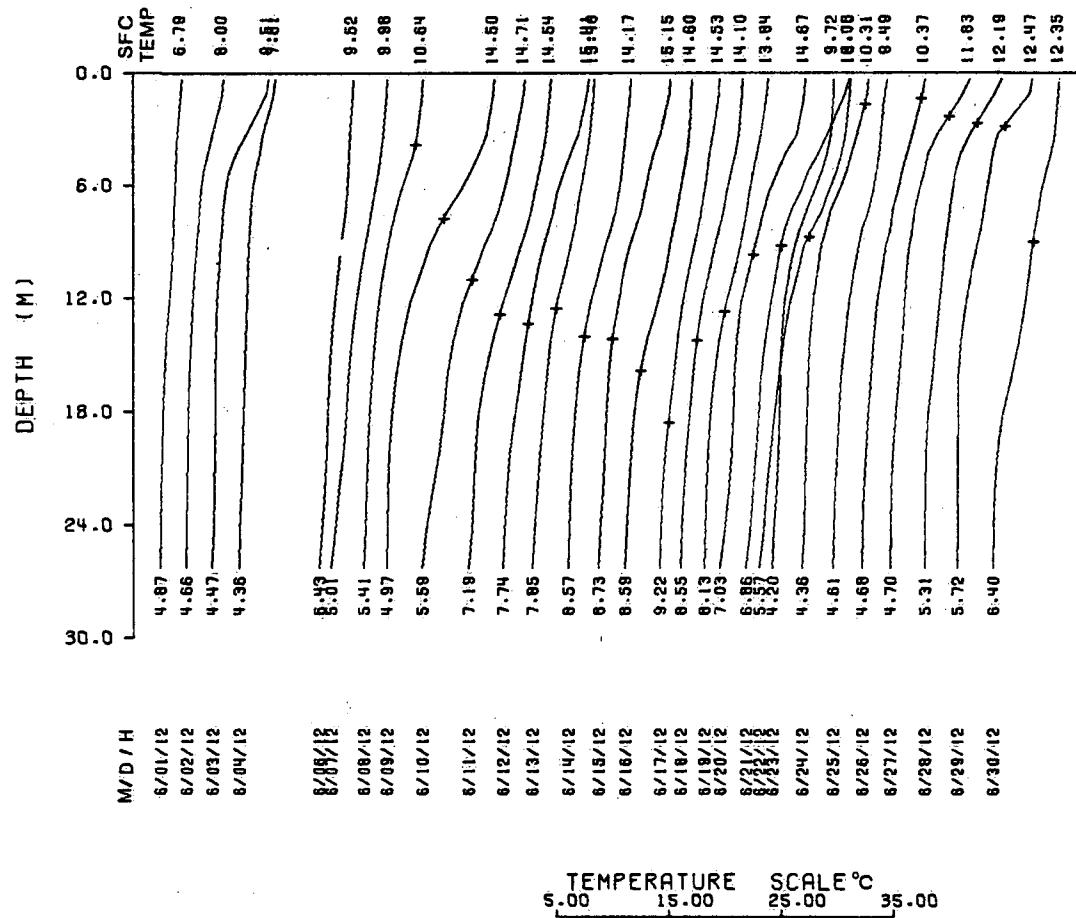


**M/D/H**  
 6/01/12 6/02/12 6/03/12 6/04/12 6/05/12 6/06/12 6/07/12 6/08/12 6/09/12 6/10/12 6/11/12 6/12/12 6/13/12 6/14/12 6/15/12 6/16/12 6/17/12 6/18/12 6/19/12 6/20/12 6/21/12 6/22/12 6/23/12 6/24/12 6/25/12 6/26/12 6/27/12 6/28/12 6/29/12 6/30/12

5.00 10:34 9.80 11.20 19.83 10.05 8.98 8.17 9.05 9.74 13.22 19.06 10.30 11.44 12.37 13.99 13.26  
 TEMPERATURE SCALE °C  
 15.00 25.00 35.00

## DAILY AVERAGED TEMPERATURE PROFILES

DATE - JUNE 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 6  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 10 DEGREE MARKED WITH +



**JULY 1974**

# METEOROLOGICAL DATA

MOORING: OH7

DATE: JULY 1974

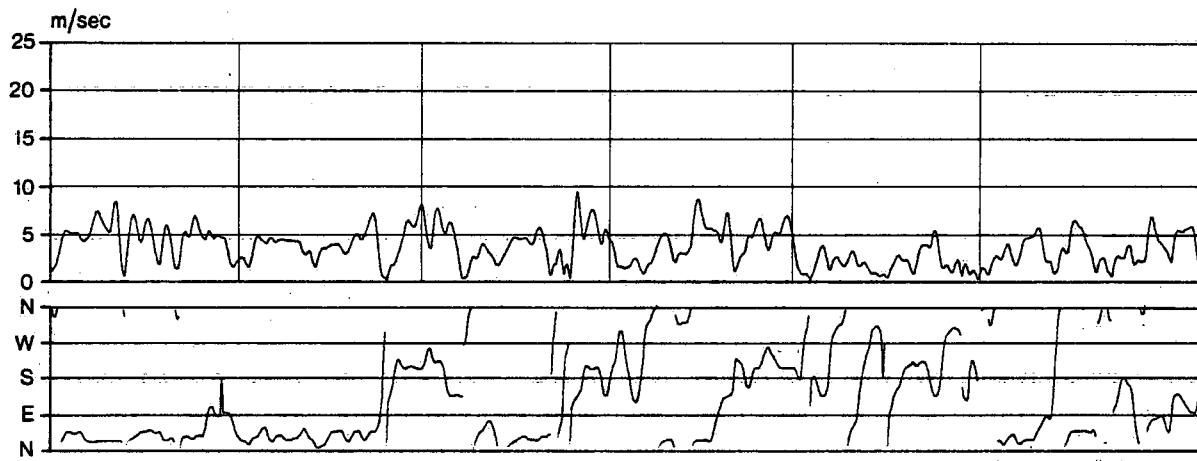
## FILTERED WIND (0.0-0.05 cph)

0      10 m/sec

N

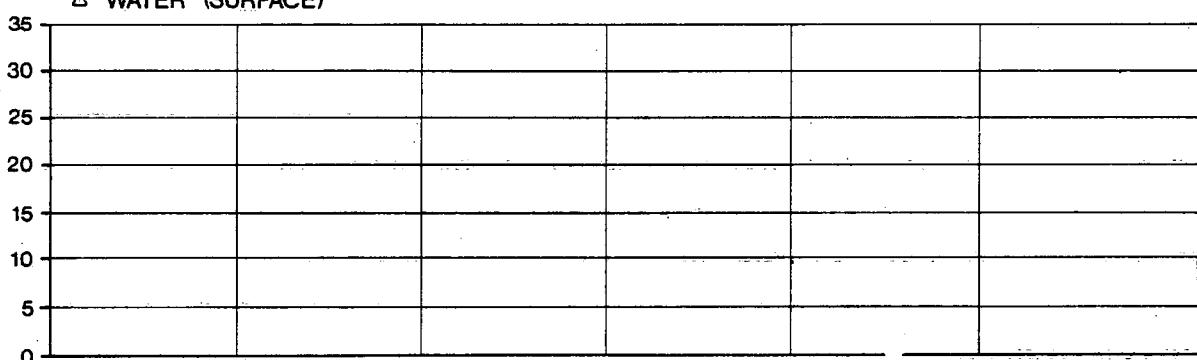


## FILTERED WIND (0.0-0.2 cph)\*



○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

## TEMPERATURE °C



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 27 28 29 30 31

## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN	DAY	T MAX	TMIN	DAY	T MAX	TMIN	DAY	TMAX	TMIN
1			9			17			25		
2			10			18			26		
3			11			19			27		
4			12			20			28		
5			13			21			29		
6			14			22			30		
7			15			23			31		
8			16			24					

# METEOROLOGICAL DATA

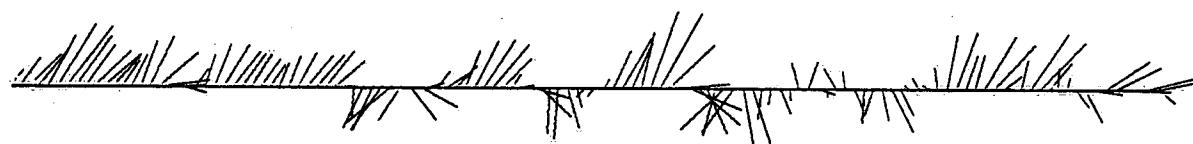
MOORING: 2

DATE: JULY 1974

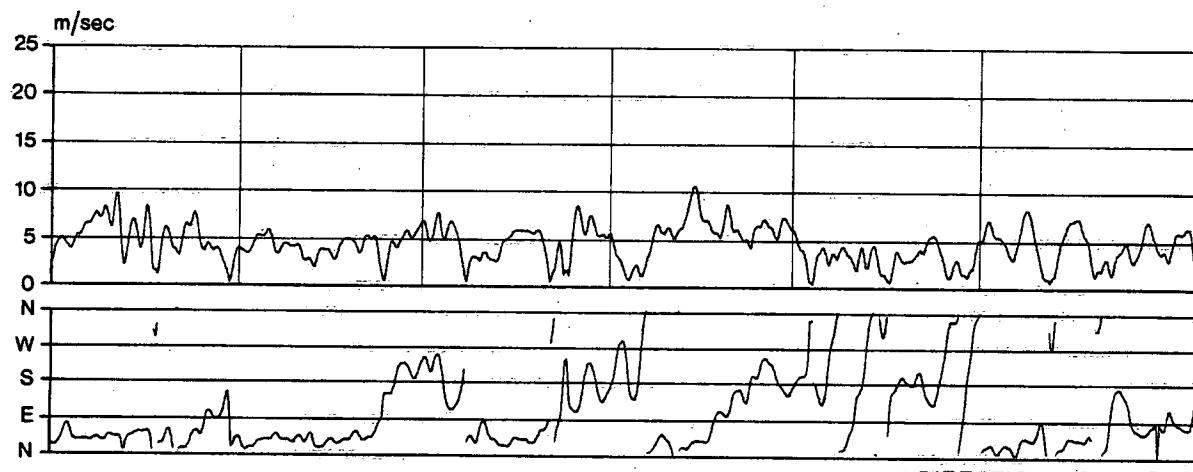
## FILTERED WIND (0.0-0.05 cph)

0      10 m/sec

N

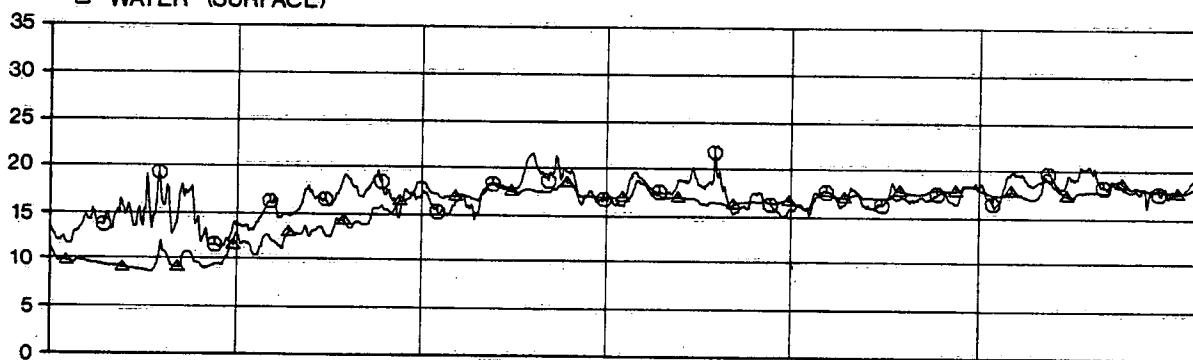


## FILTERED WIND (0.0-0.2 cph)\*



○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

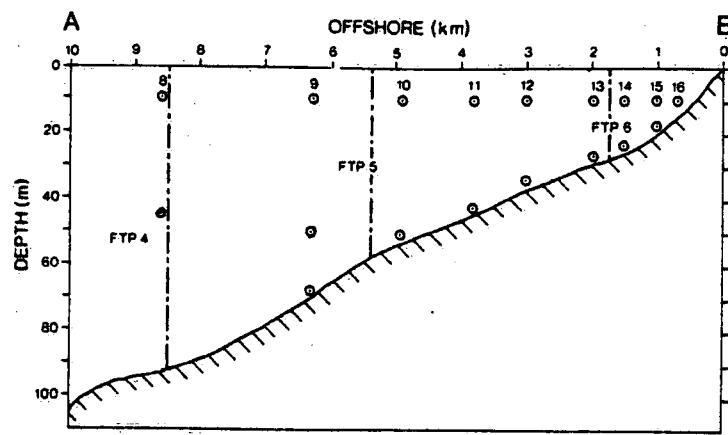
## TEMPERATURE °C



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 27 28 29 30 31

## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN									
1	14.5	11.5	9	19.4	16.5	17	18.5	17.0	25	18.2	16.2
2	16.4	13.0	10	17.4	14.4	18	21.5	17.7	26	19.5	15.8
3	19.1	13.1	11	17.2	14.8	19	19.6	15.0	27	19.8	18.1
4	17.9	12.5	12	18.1	14.3	20	17.4	14.8	28	20.3	17.7
5	14.4	11.1	13	21.0	17.3	21	17.5	14.9	29	20.3	17.8
6	16.0	12.9	14	21.4	18.4	22	17.9	15.7	30	18.0	15.9
7	17.4	14.2	15	19.6	16.9	23	17.1	15.6	31	18.9	16.9
8	18.6	15.6	16	18.5	16.7	24	17.3	16.3			

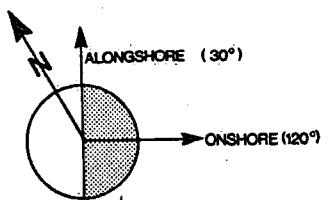


MOORING 8

JULY 1974

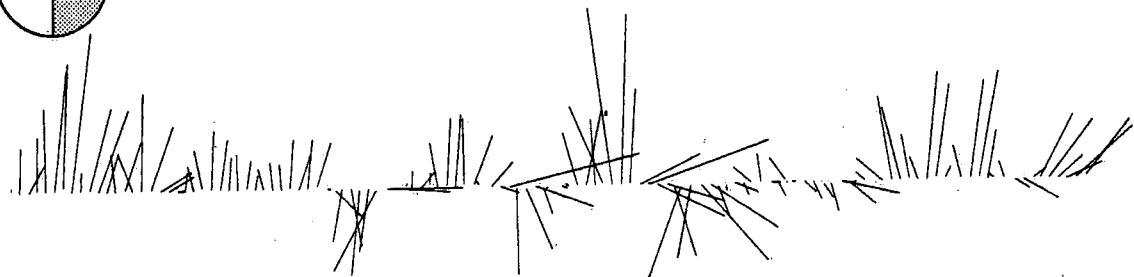
MOORING: 8

DATE: JULY 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec

DEPTH: 45 m



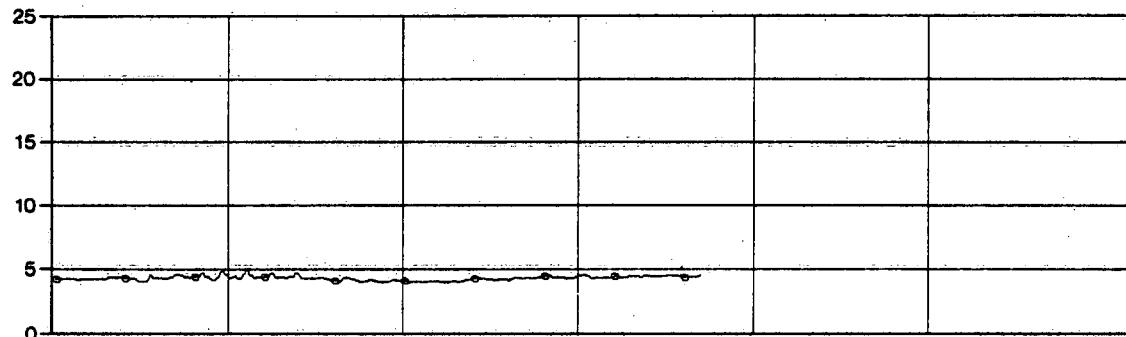
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 8

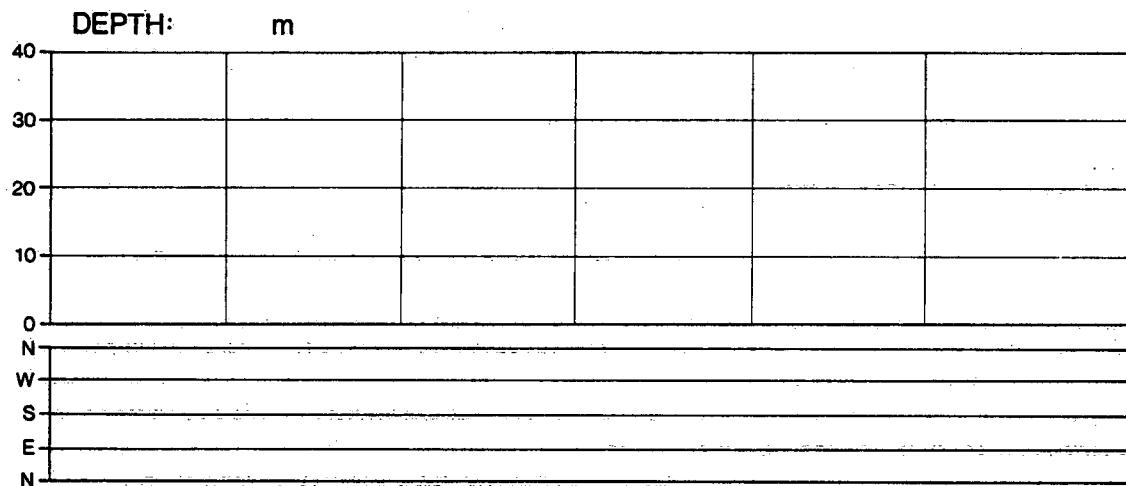
DATE: JULY 1974

TEMPERATURE °C

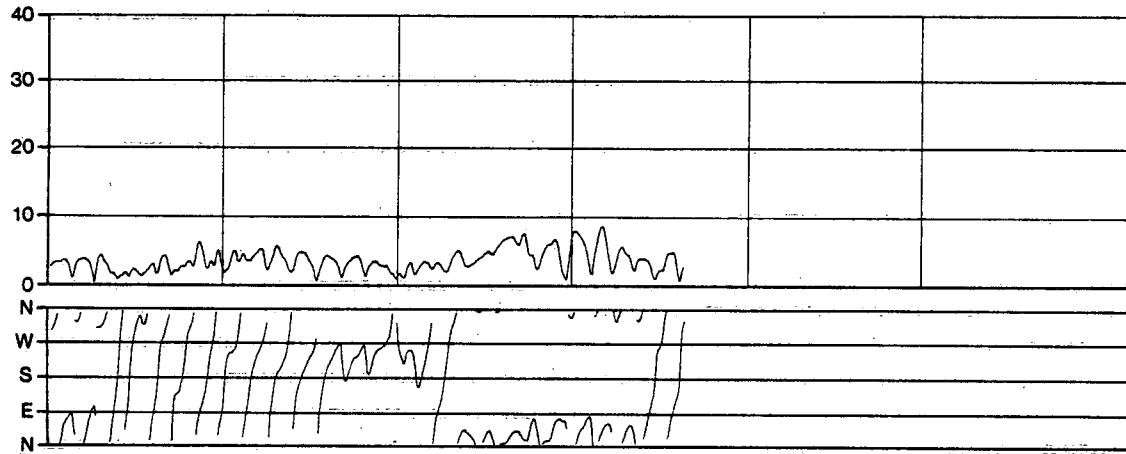
△ - m  
○ - 45 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 45 m



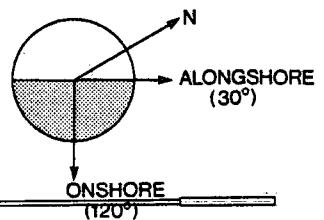
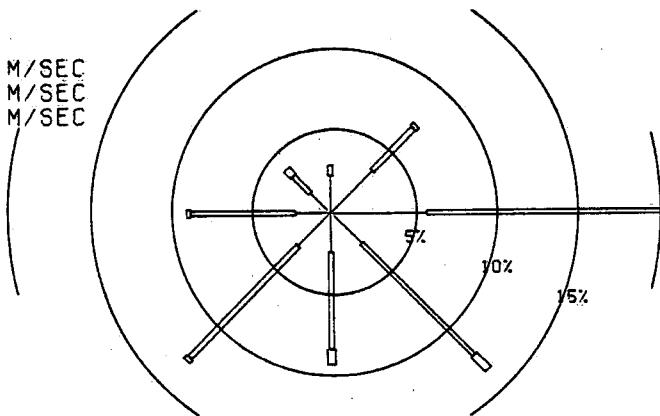
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 8

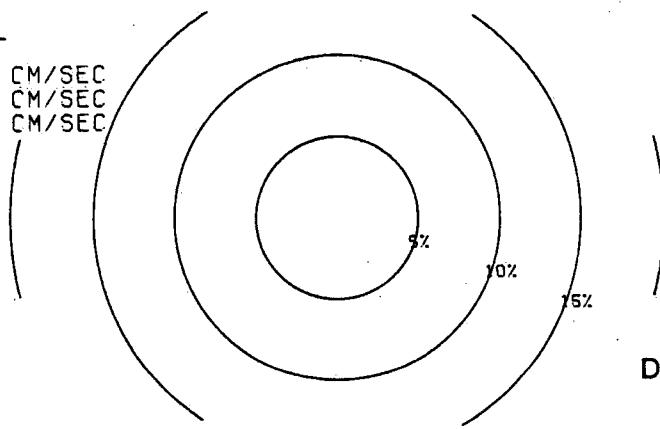
DATE: JULY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

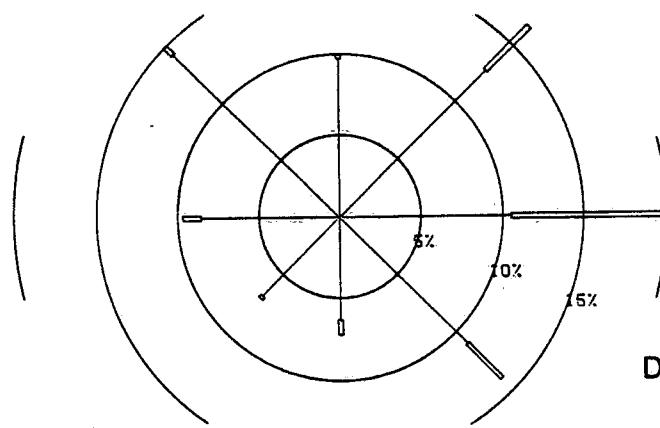
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

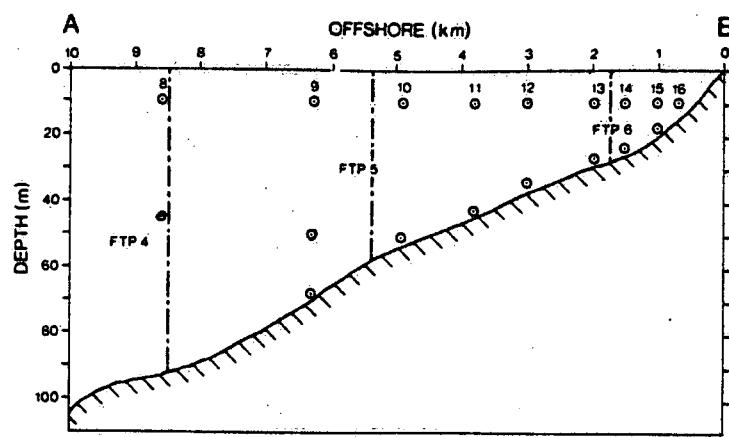


DEPTH: m



DEPTH: 45 m

\*DIRECTION TOWARDS

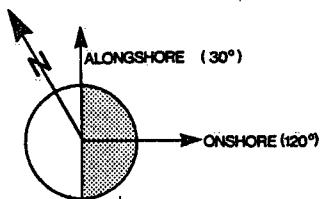


MOORING 9

JULY 1974

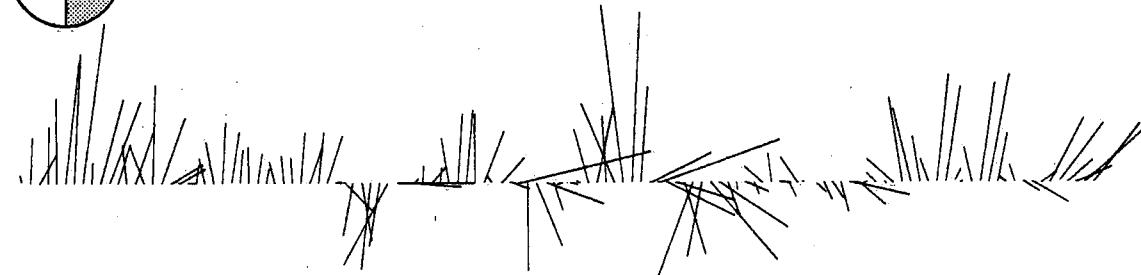
**MOORING: 9**

**DATE: JULY 1974**



**WINDSPEED<sup>2</sup>**

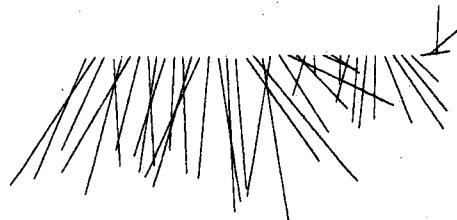
0      40 m<sup>2</sup>/sec<sup>2</sup>



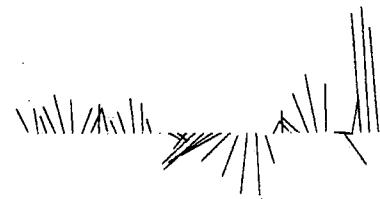
**DEPTH: 10 m**

**FILTERED CURRENT  
(0.0 TO 0.05 cph)**

0      10 cm/sec



**DEPTH: 35 m**



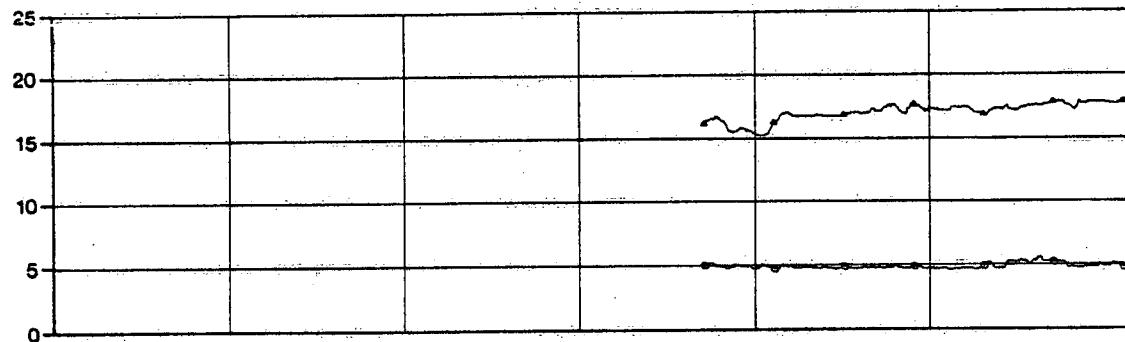
[ 1 ' 2 ' 3 ' 4 ' 5 ' 6 ' 7 ' 8 ' 9 ' 10 ' 11 ' 12 ' 13 ' 14 ' 15 ' 16 ' 17 ' 18 ' 19 ' 20 ' 21 ' 22 ' 23 ' 24 ' 25 ' 26 ' 27 ' 28 ' 29 ' 30 ' 31 ]

MOORING: 9

DATE: JULY 1974

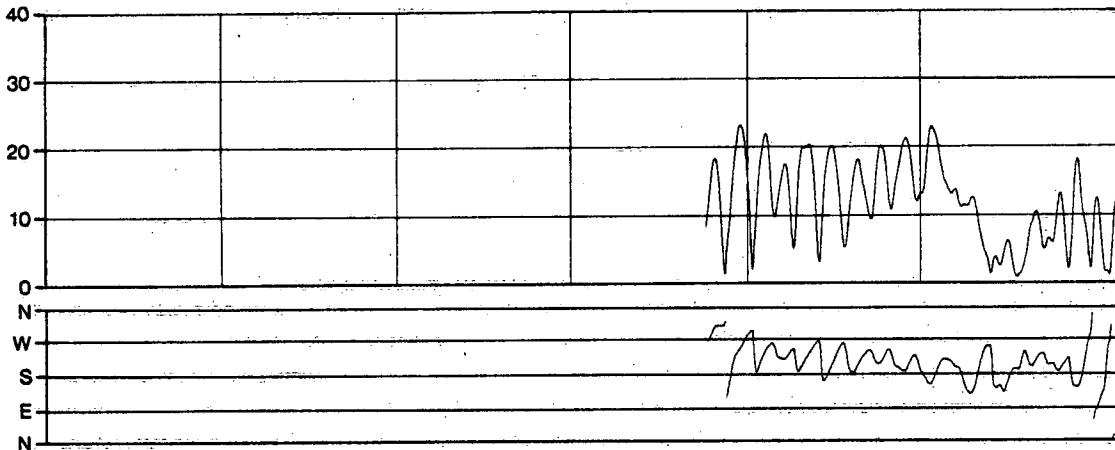
TEMPERATURE °C

△ - 10 m  
○ - 35 m

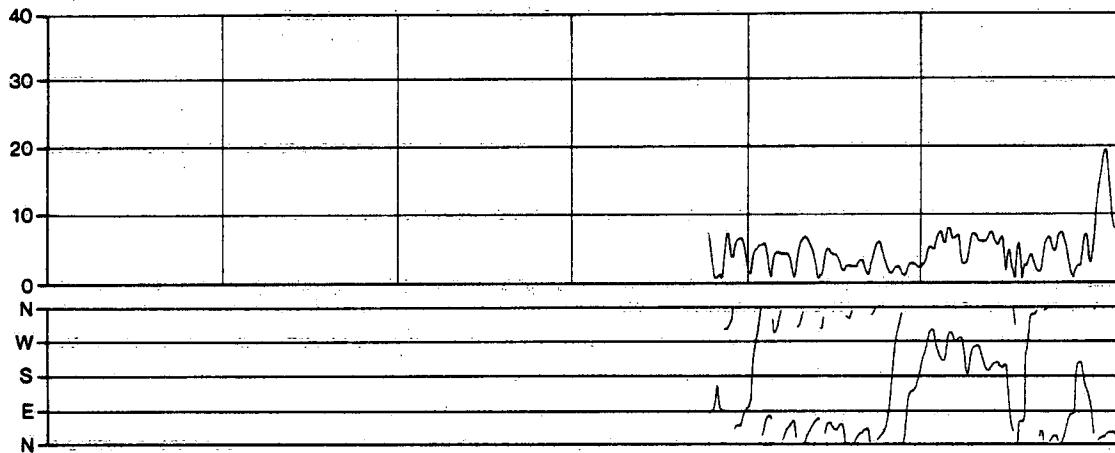


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 35 m



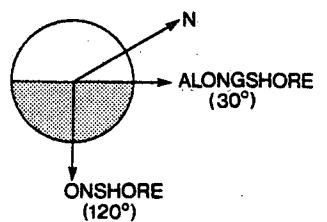
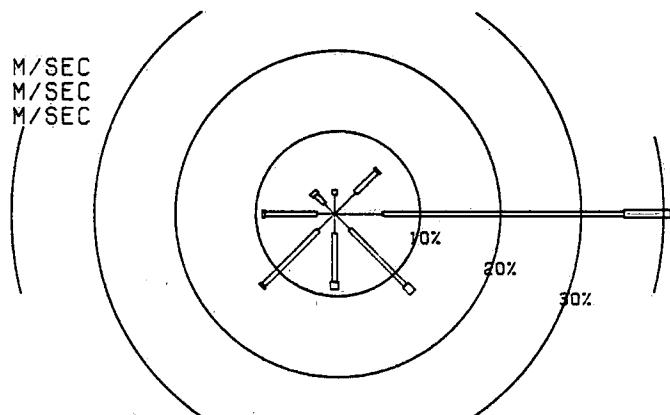
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 9

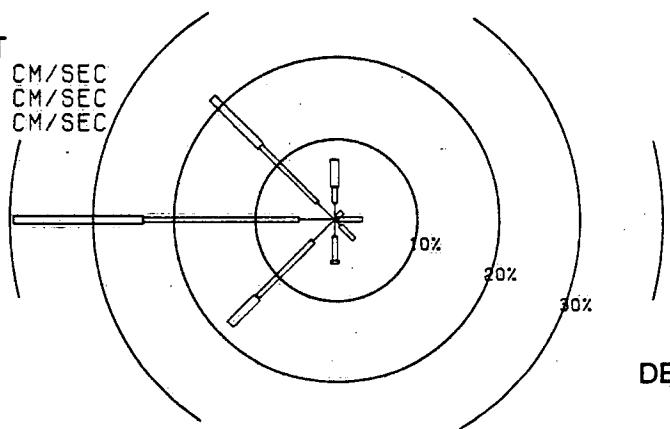
DATE: JULY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

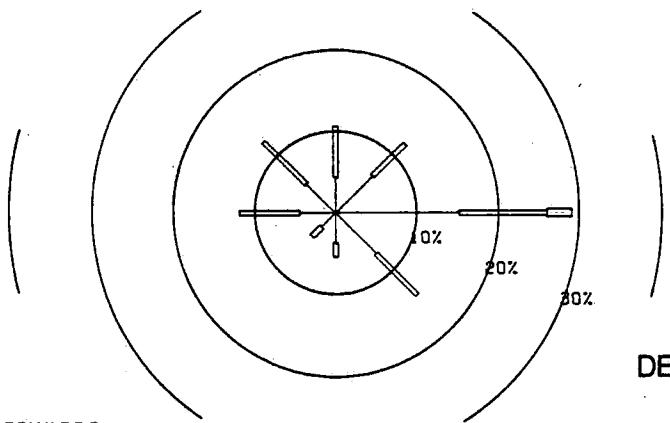


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

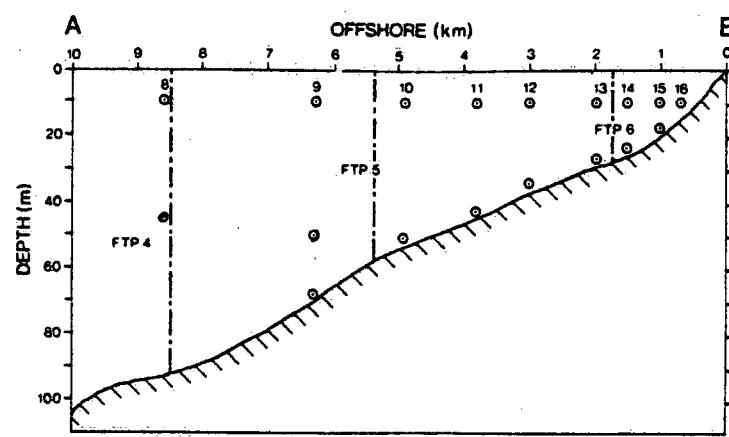


DEPTH: 10 m

\*DIRECTION TOWARDS



DEPTH: 35 m

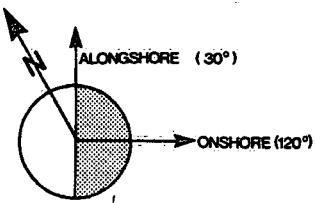


MOORING 9

JULY 1974

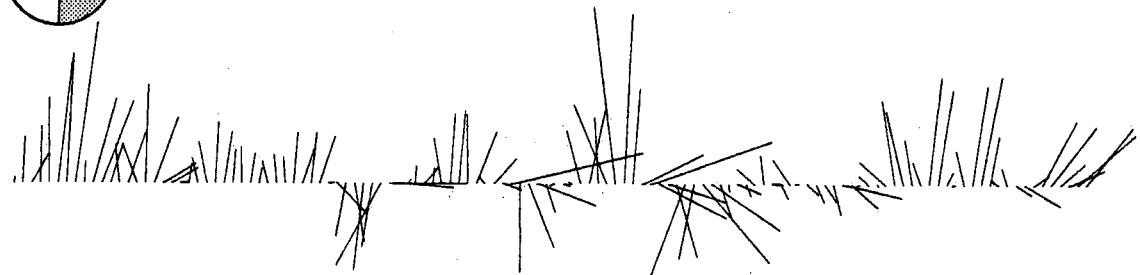
**MOORING: 9**

**DATE: JULY 1974**



**WINDSPEED<sup>2</sup>**

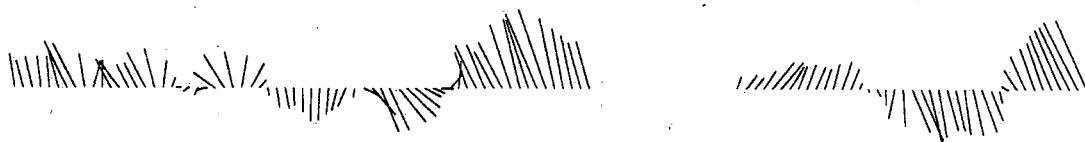
0      40 m<sup>2</sup>/sec<sup>2</sup>



**DEPTH: 70 m**

**FILTERED CURRENT  
(0.0 TO 0.05 cph)**

0      10 cm/sec



**DEPTH:      m**

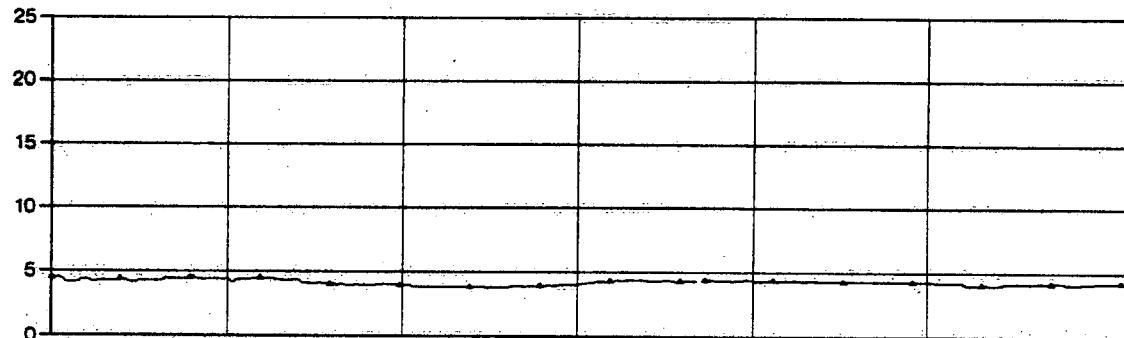
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

DATE: JULY 1974

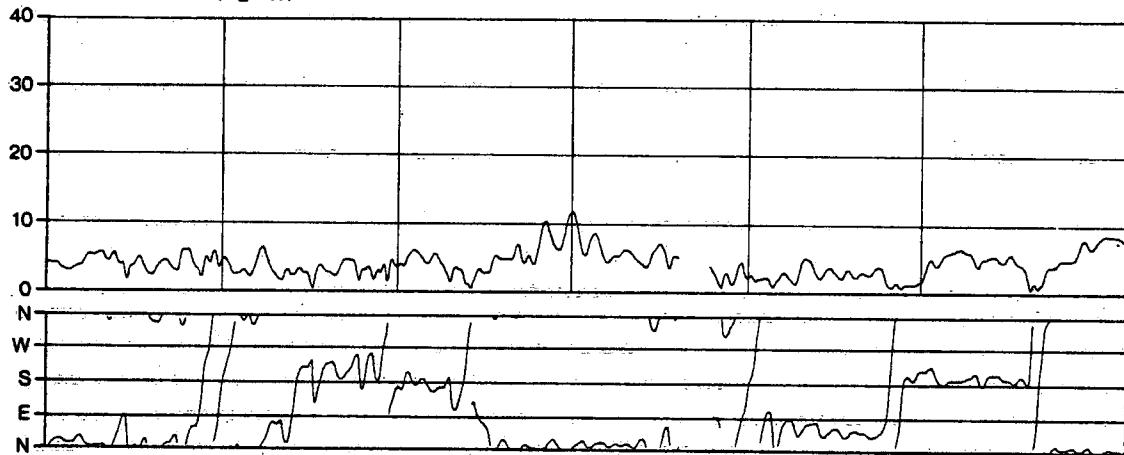
TEMPERATURE °C

△ - 70 m  
○ - m

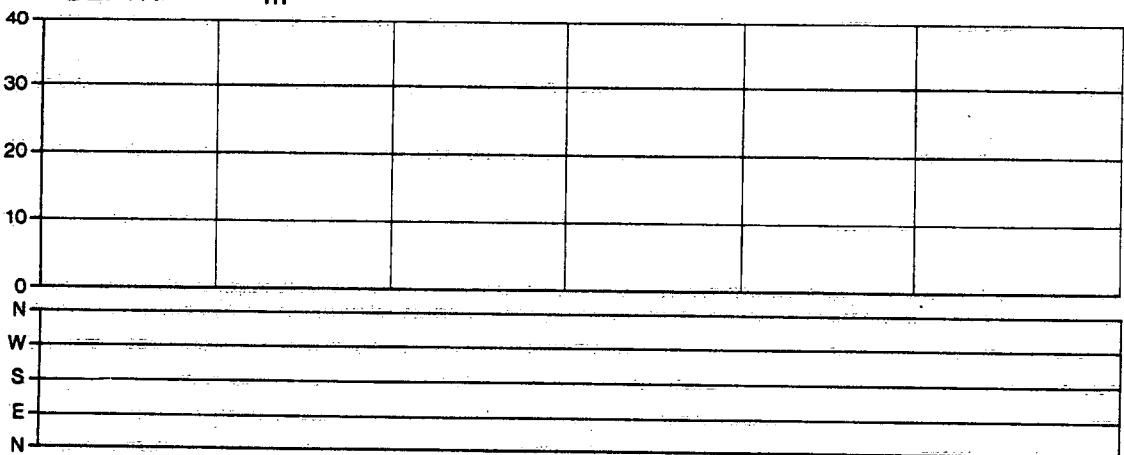


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 70 m



DEPTH: m



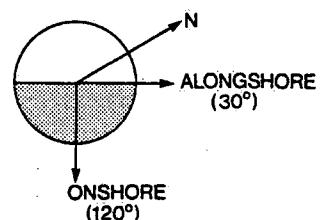
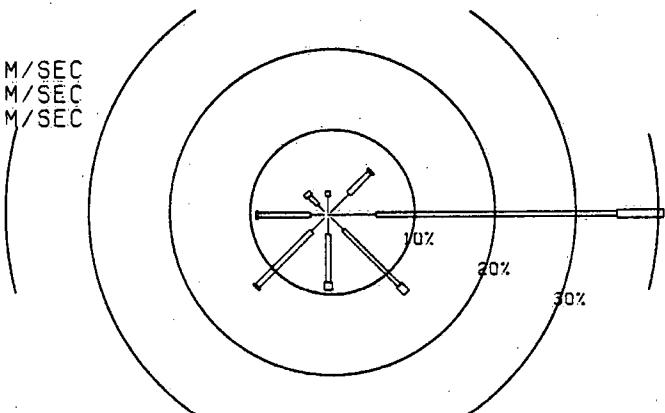
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 9

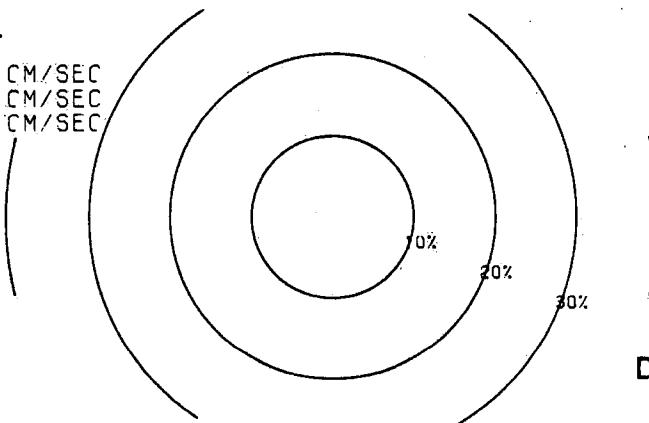
DATE: JULY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

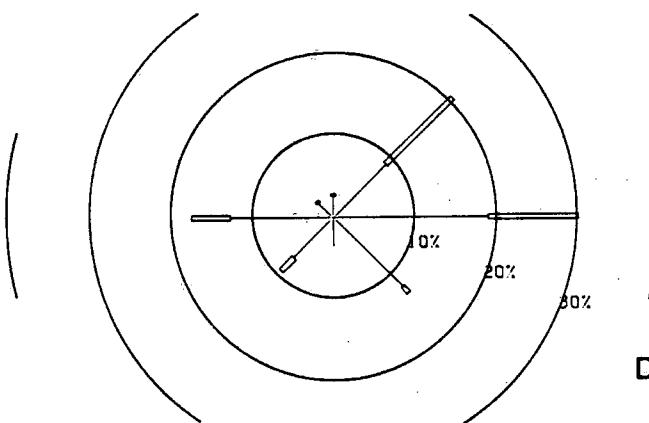
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

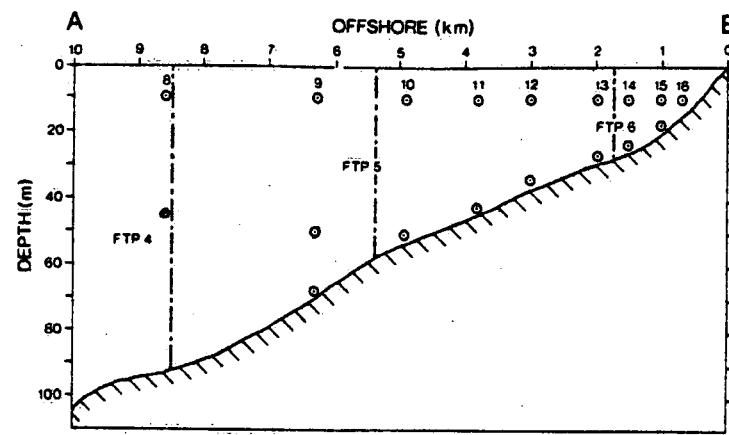


DEPTH: m



DEPTH: 70 m

\*DIRECTION TOWARDS

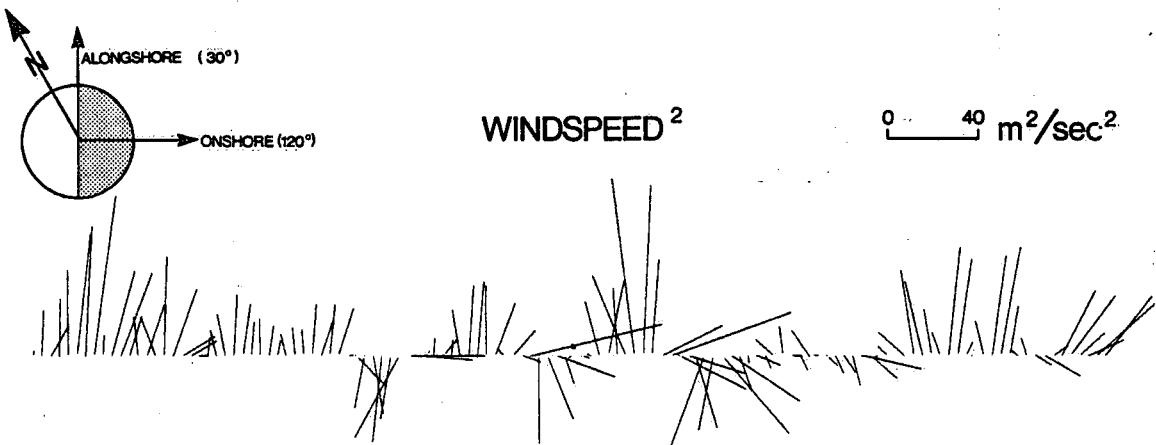


MOORING 10

JULY 1974

MOORING: 10

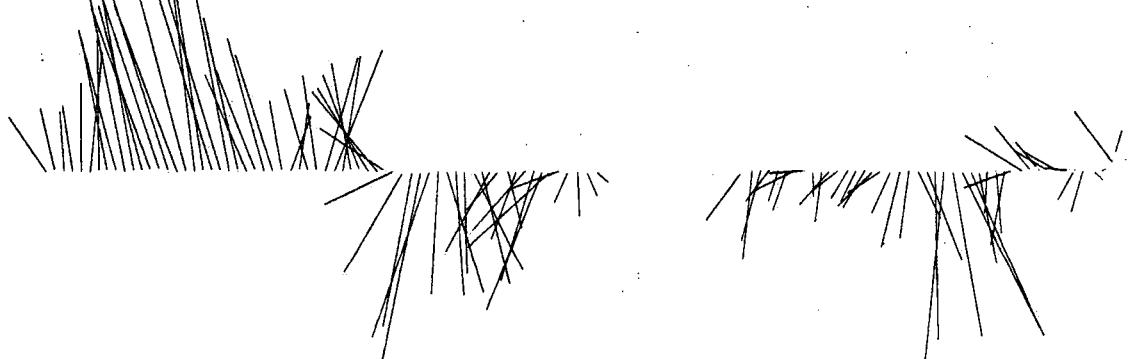
DATE: JULY 1974



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

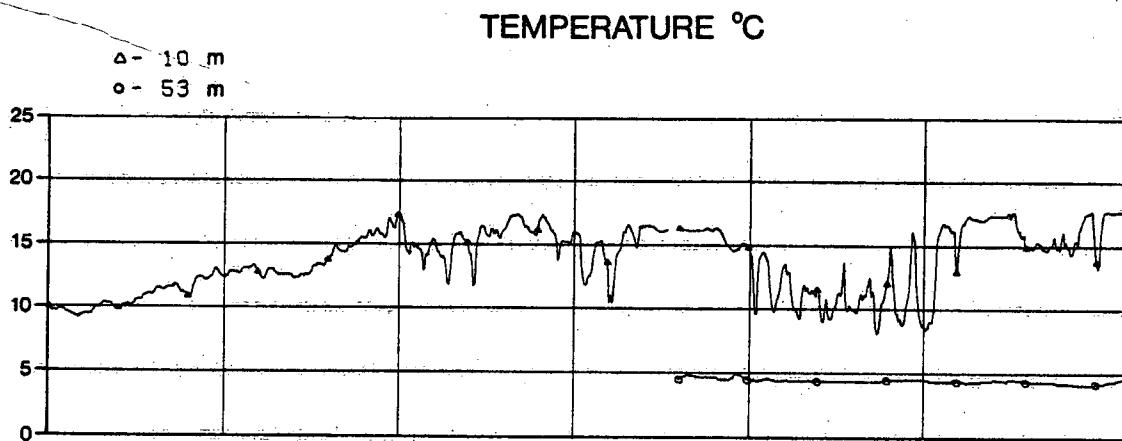


DEPTH: m

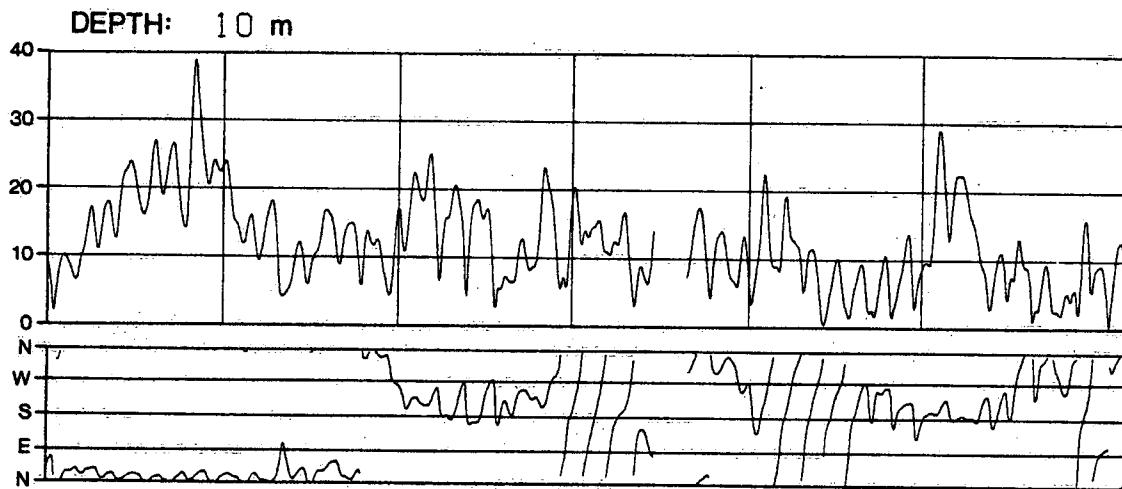
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 10

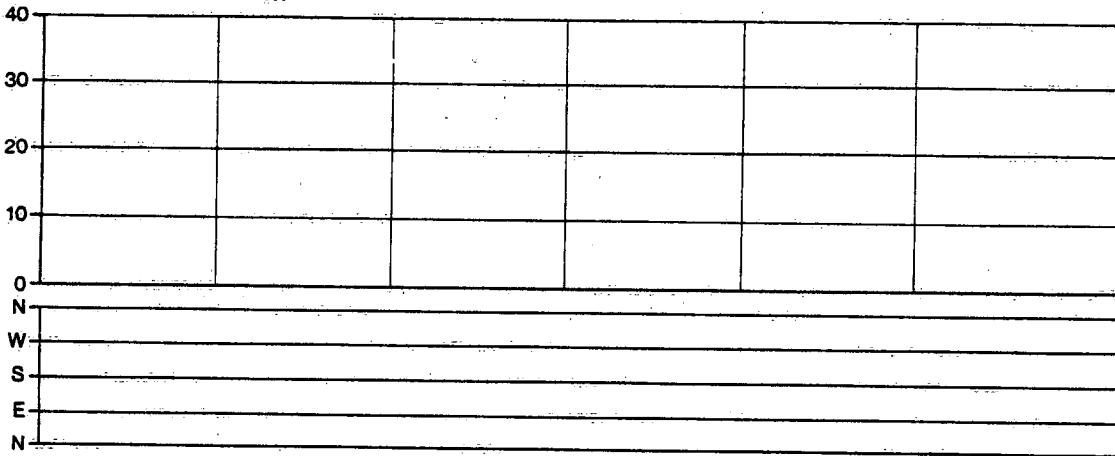
DATE: JULY 1974



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



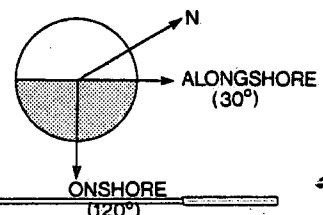
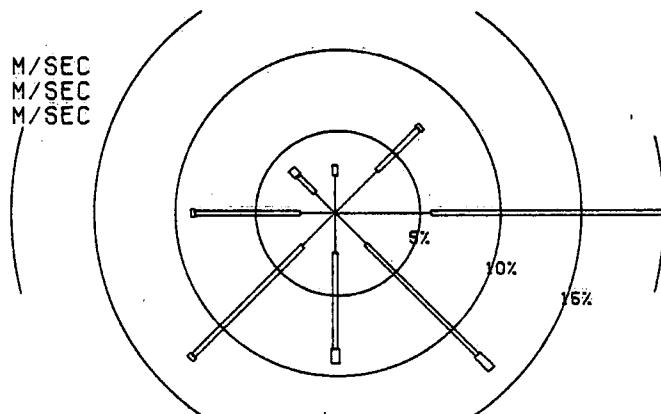
DEPTH: m



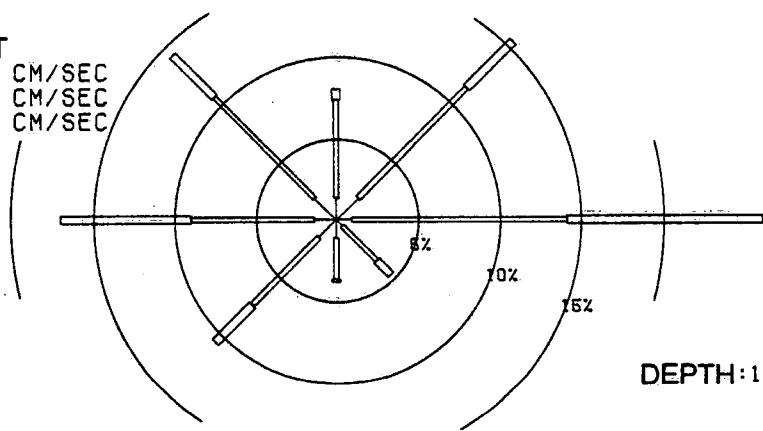
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 10 DATE: JULY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

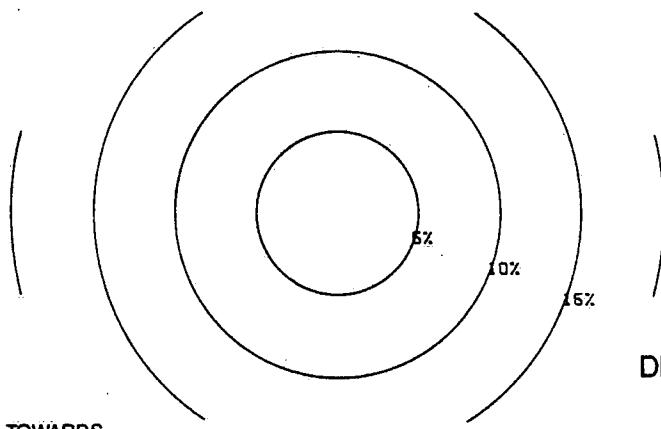
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

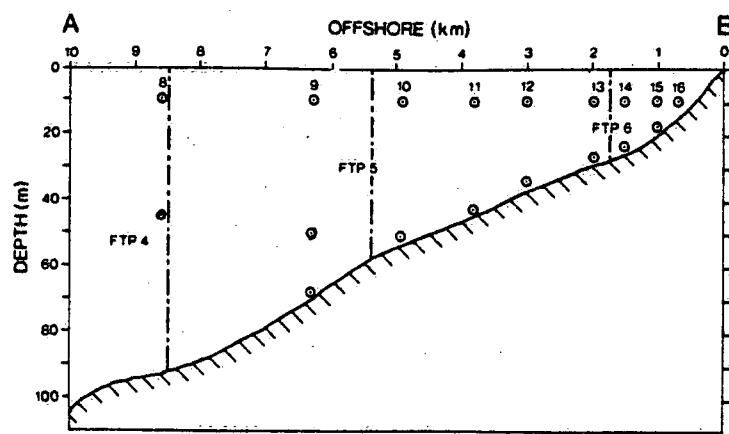


DEPTH: 10 m



DEPTH: m

\*DIRECTION TOWARDS

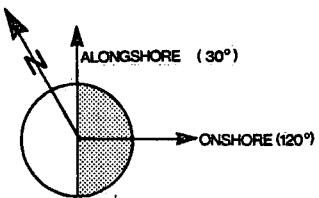


MOORING 11

JULY 1974

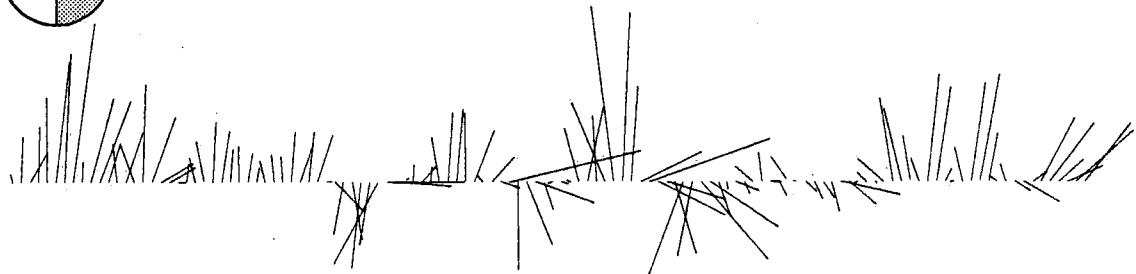
MOORING: 11

DATE: JULY 1974



WINDSPEED<sup>2</sup>

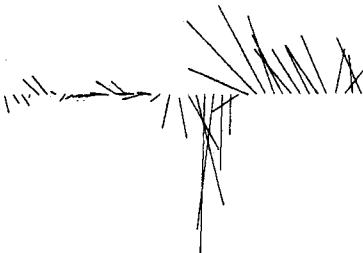
0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm /sec



DEPTH: 40 m



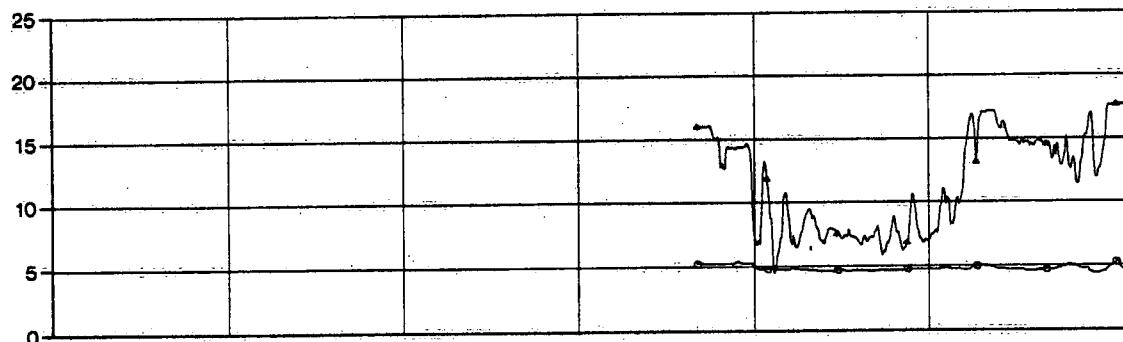
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11

DATE: JULY 1974

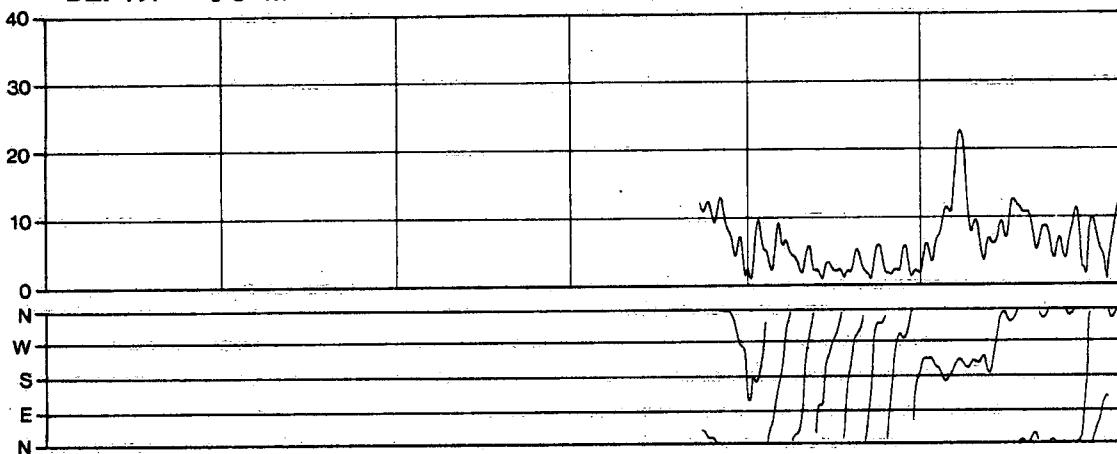
TEMPERATURE °C

△ - 10 m  
○ - 40 m

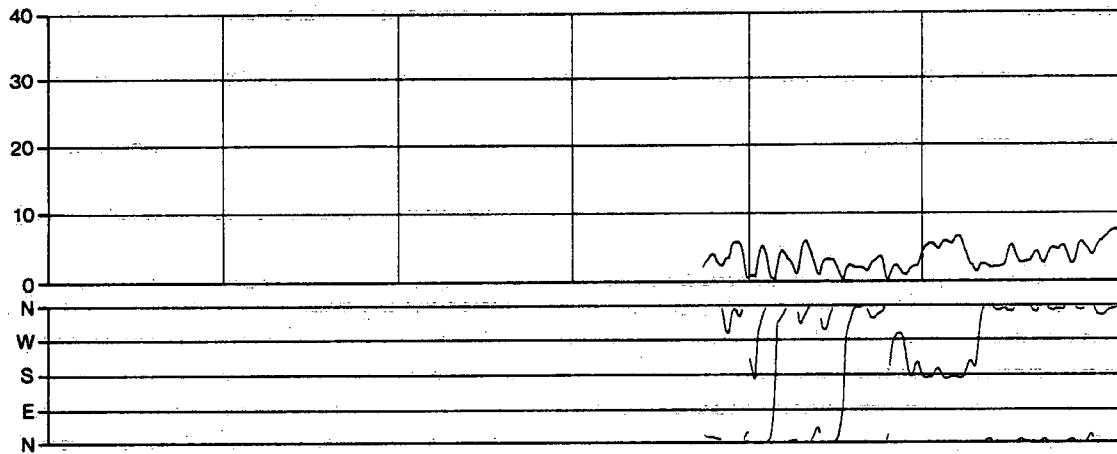


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 40 m



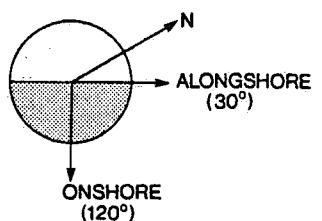
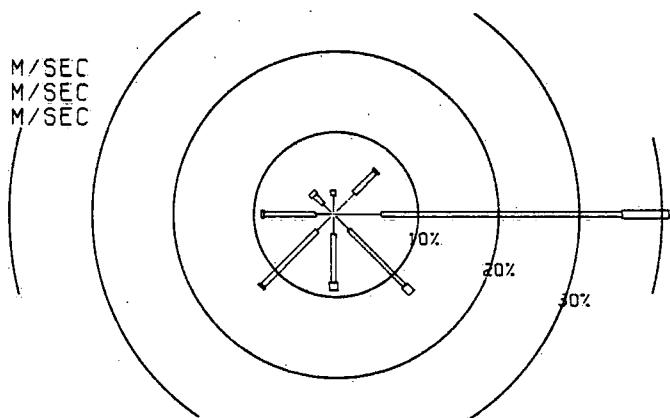
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11

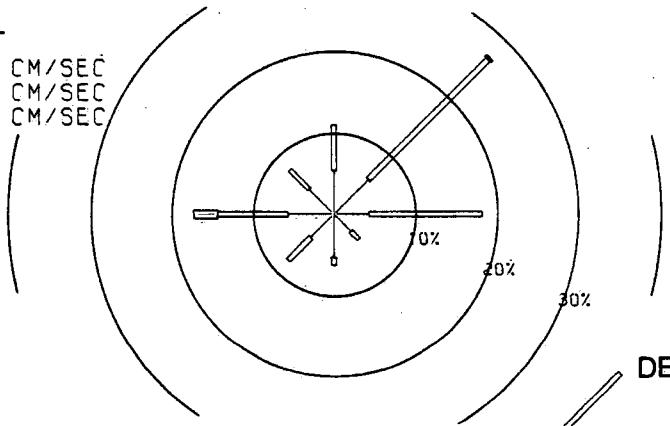
DATE: JULY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

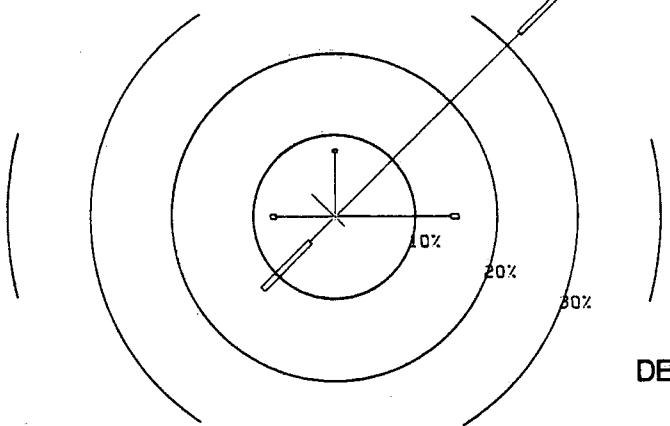
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

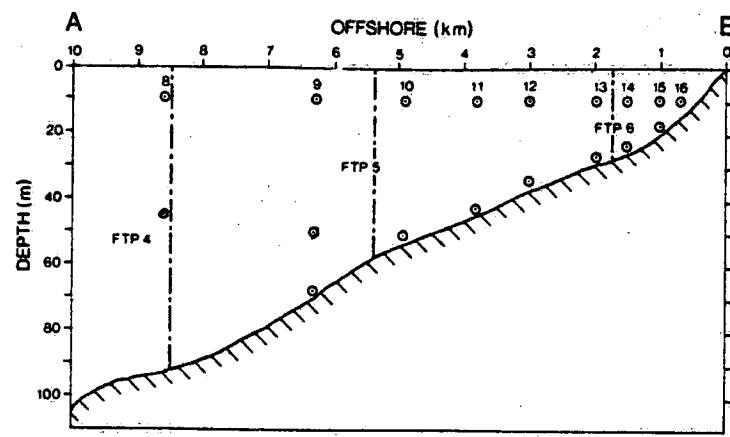


DEPTH: 10 m



DEPTH: 40 m

\*DIRECTION TOWARDS

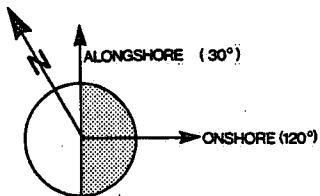


MOORING 12

JULY 1974

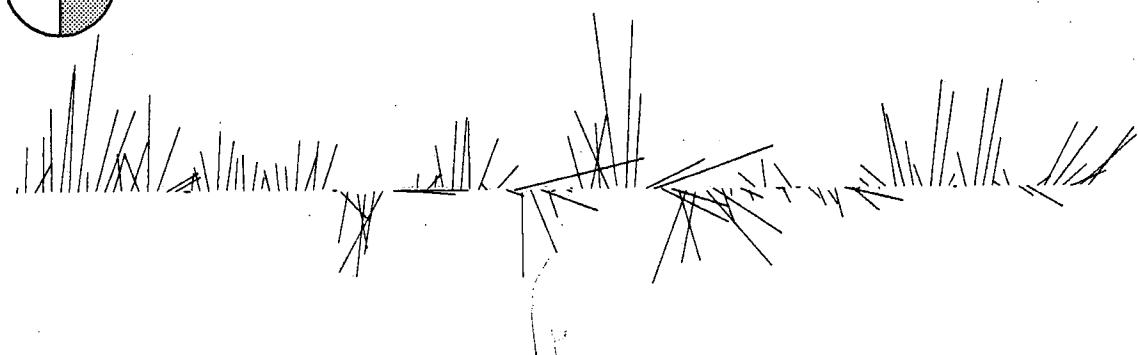
MOORING: 12

DATE: JULY 1974



WINDSPEED<sup>2</sup>

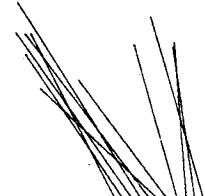
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 35 m



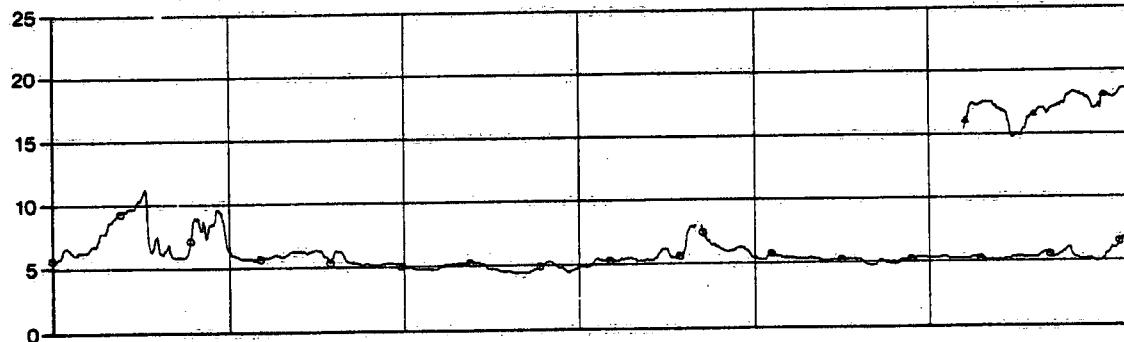
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12

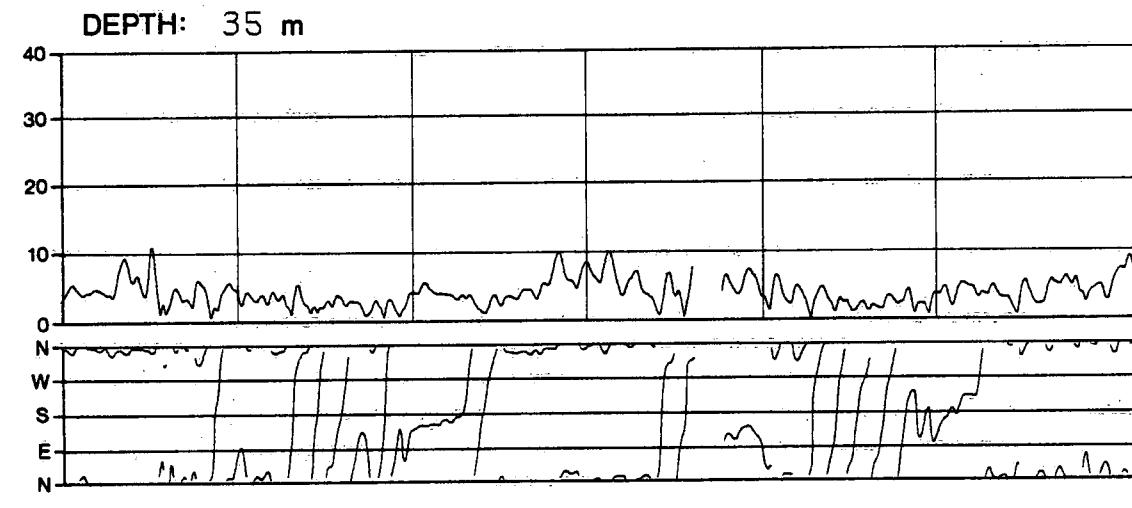
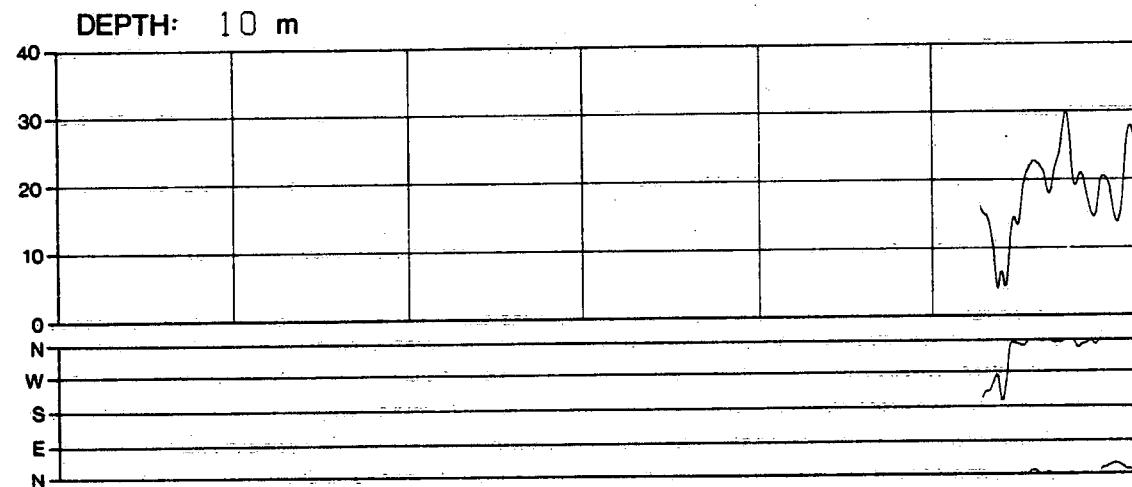
DATE: JULY 1974

TEMPERATURE °C

△ - 10 m  
○ - 35 m

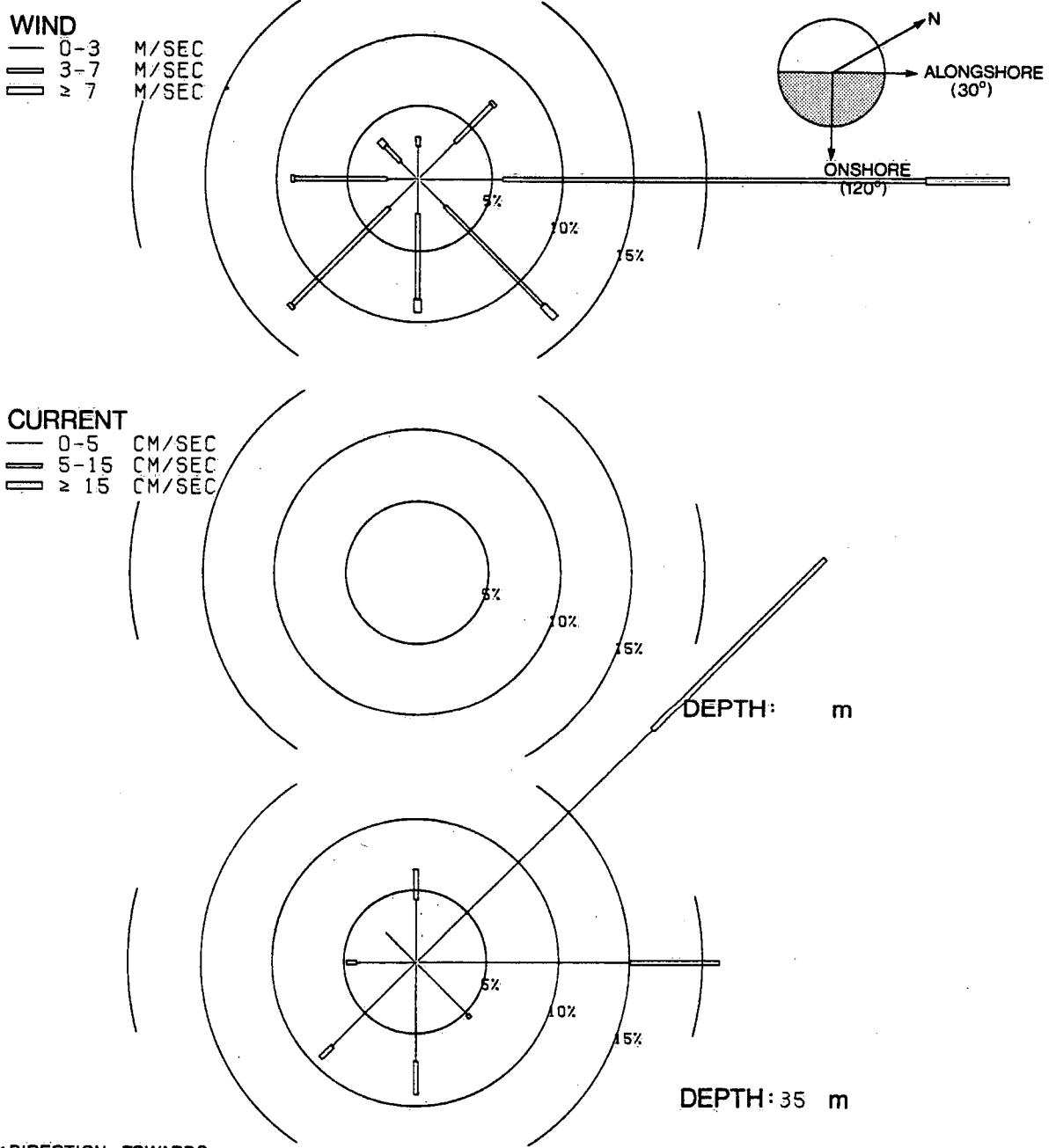


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

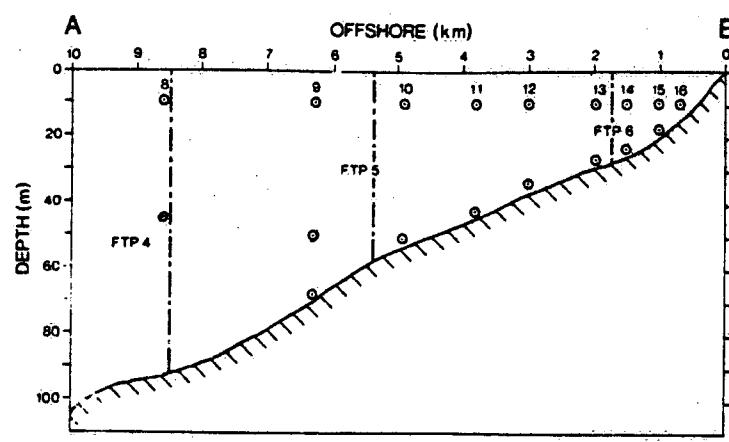


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12      DATE: JULY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*



\*DIRECTION TOWARDS

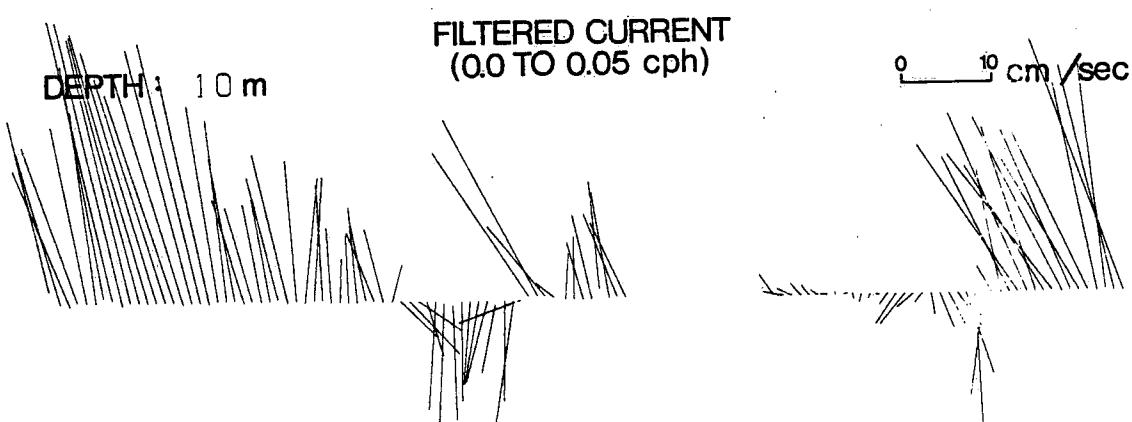
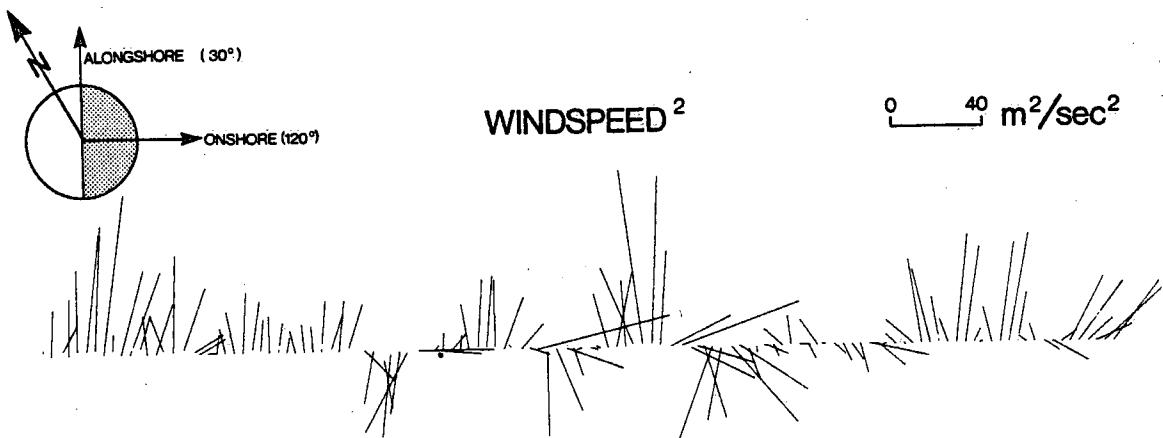


MOORING 13

JULY 1974

MOORING: 13

DATE: JULY 1974



DEPTH: 28 m



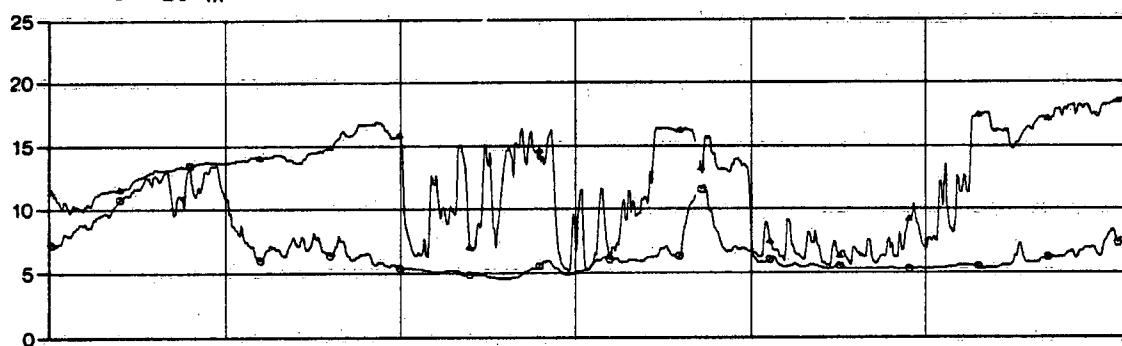
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 13

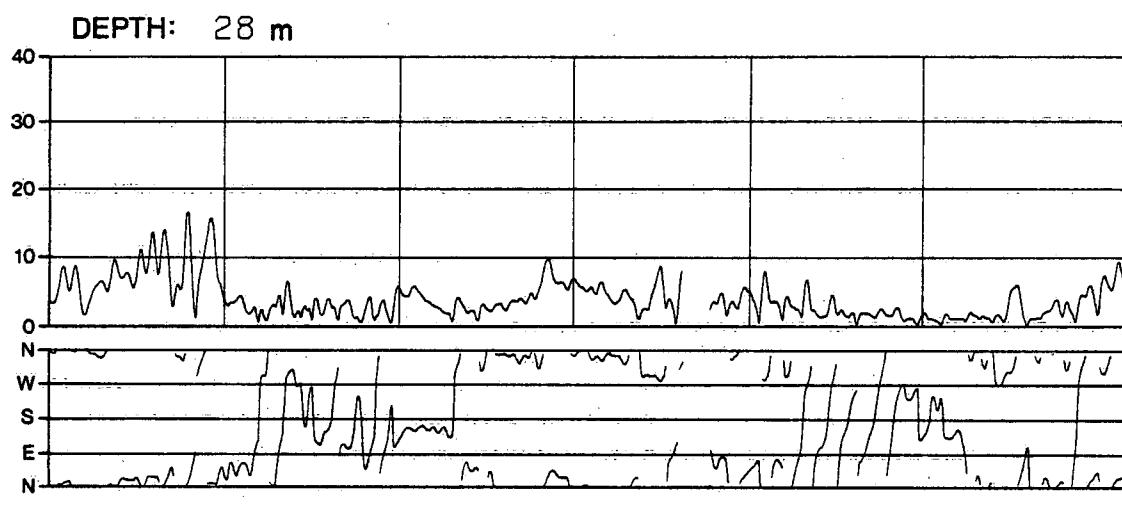
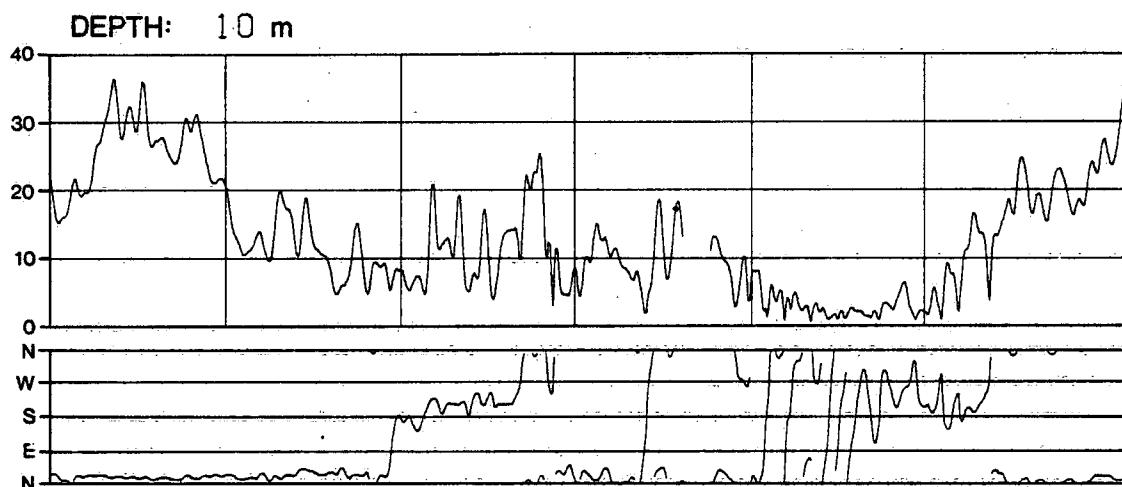
DATE: JULY 1974

TEMPERATURE °C

△ - 10 m  
○ - 28 m



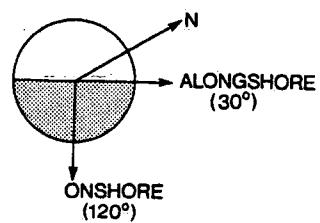
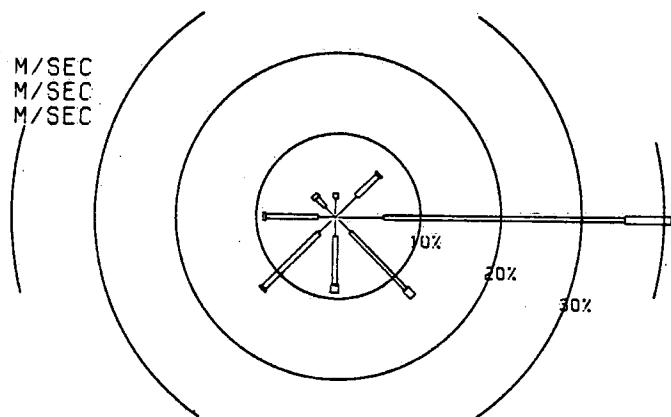
FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



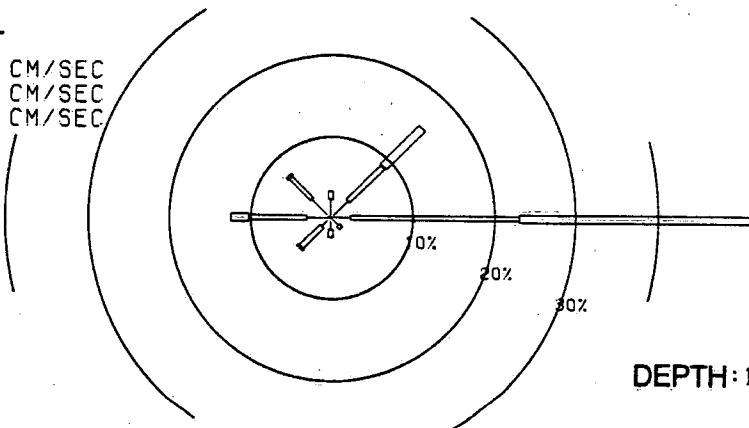
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 13      DATE: JULY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

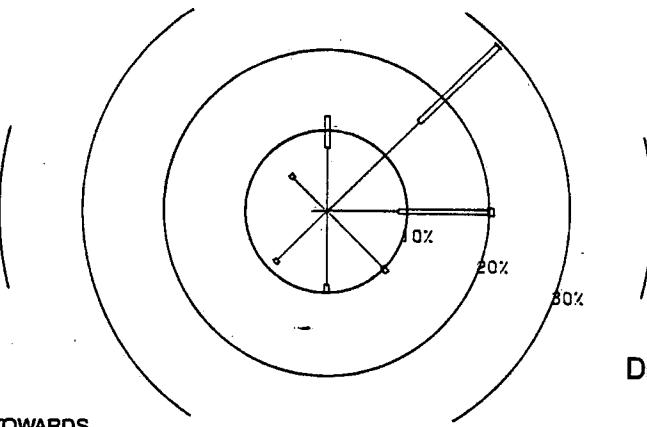
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

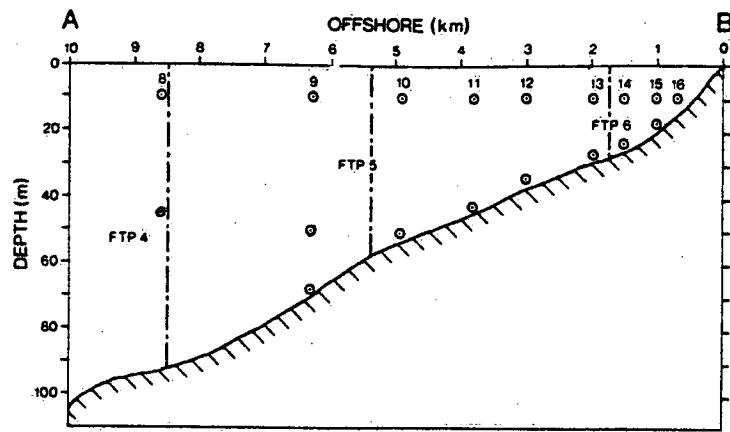


DEPTH: 10 m



DEPTH: 28 m

\*DIRECTION TOWARDS

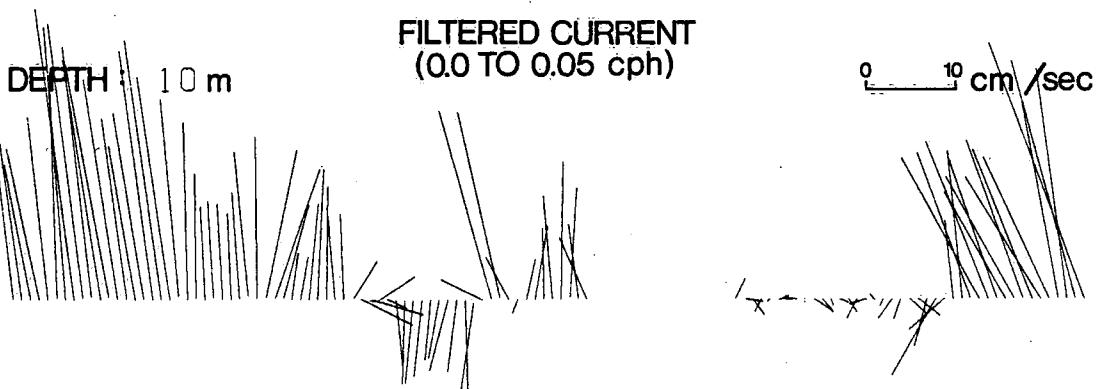
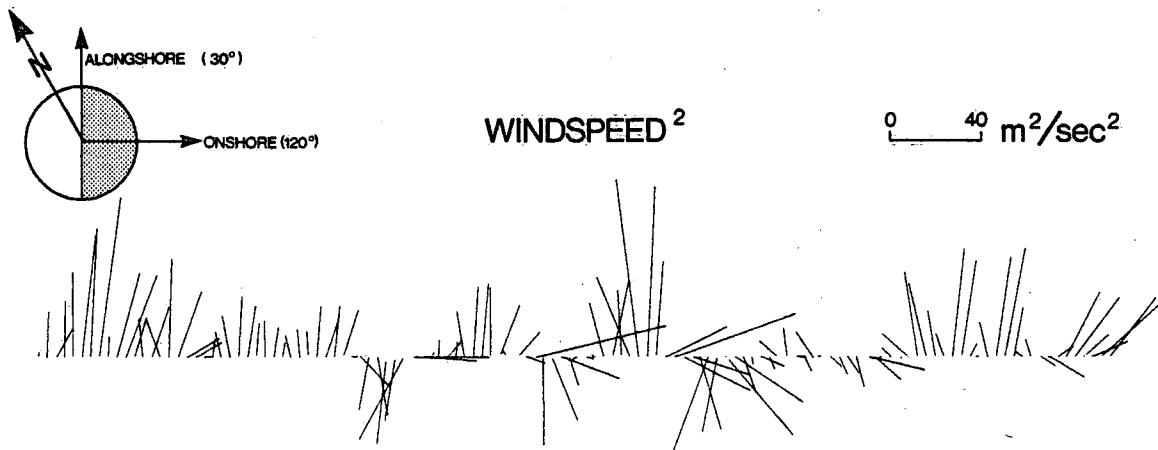


MOORING 14

JULY 1974

MOORING: 14

DATE: JULY 1974



DEPTH: 27 m

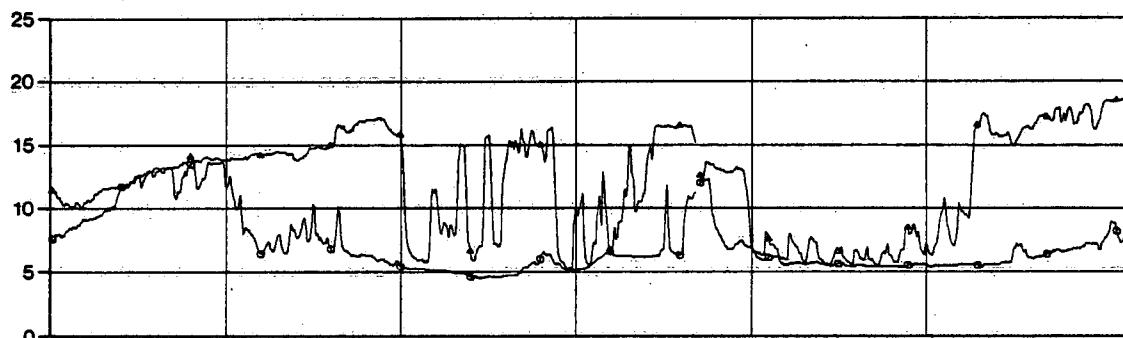
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14

DATE: JULY 1974

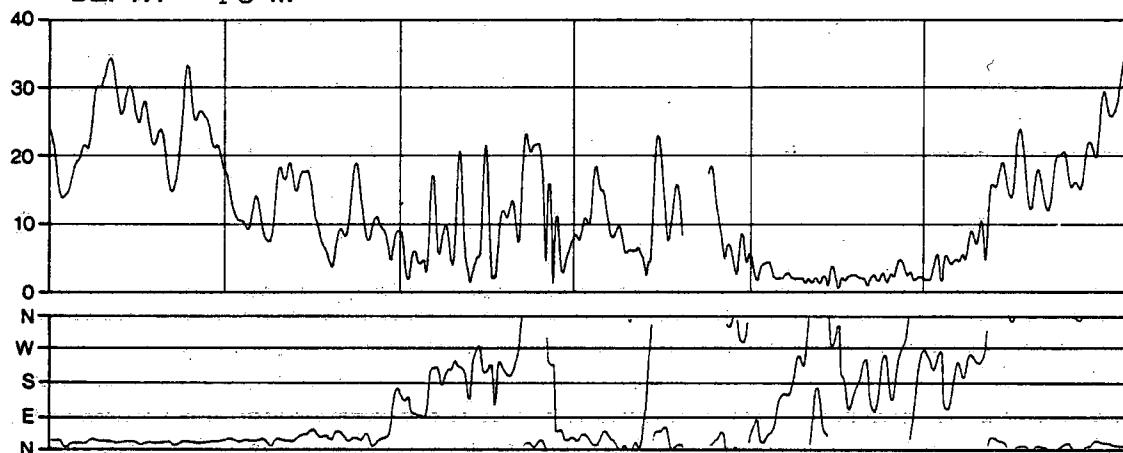
TEMPERATURE °C

△ - 10 m  
○ - 27 m

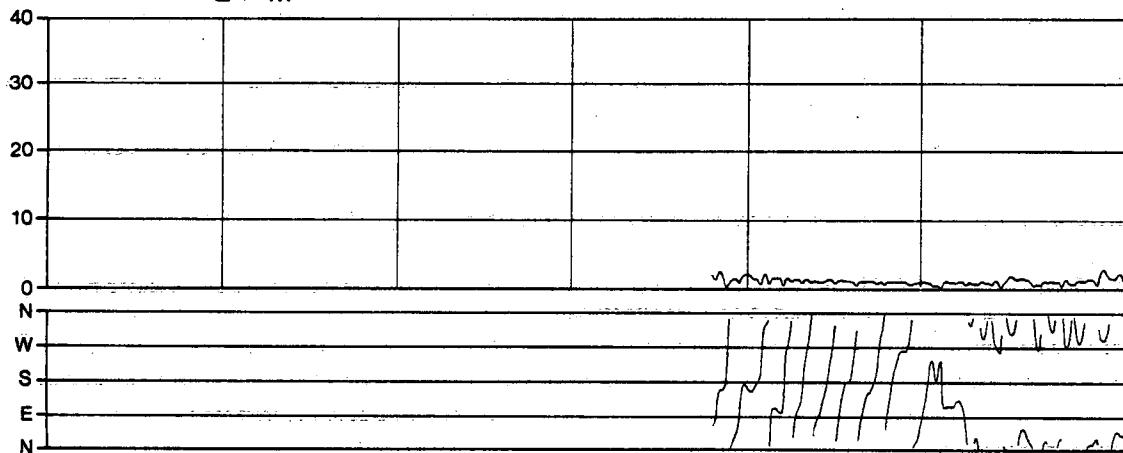


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 27 m

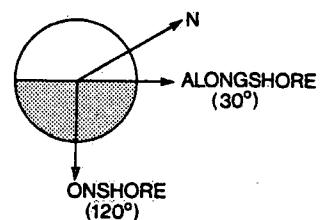
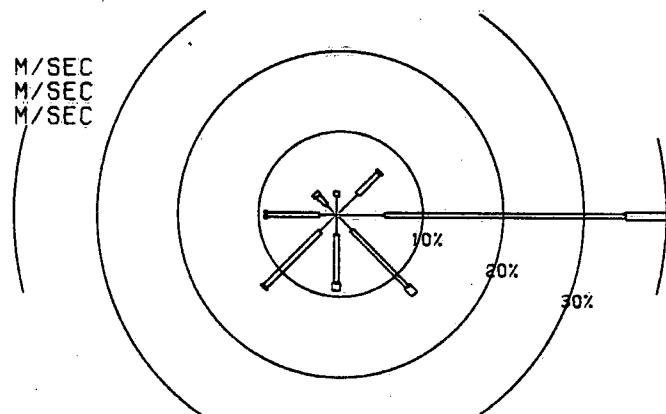


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

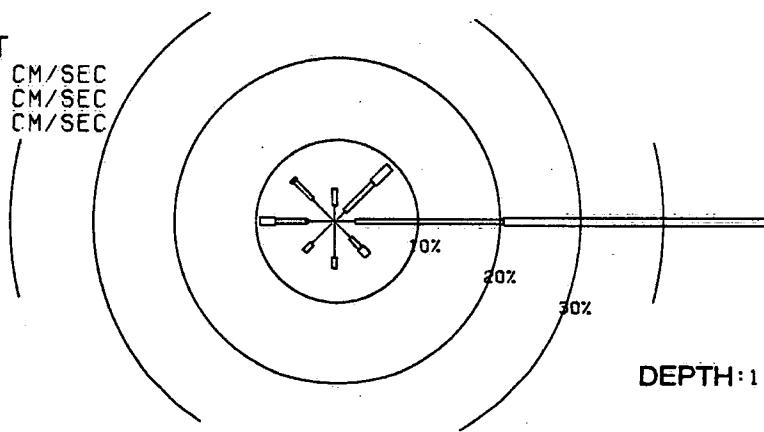
MOORING: 14 DATE: JULY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

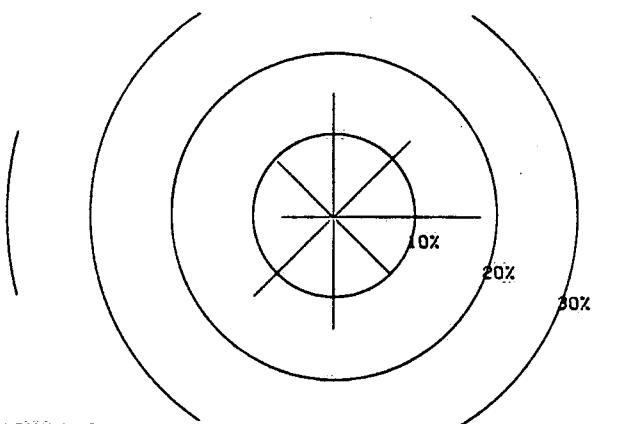


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

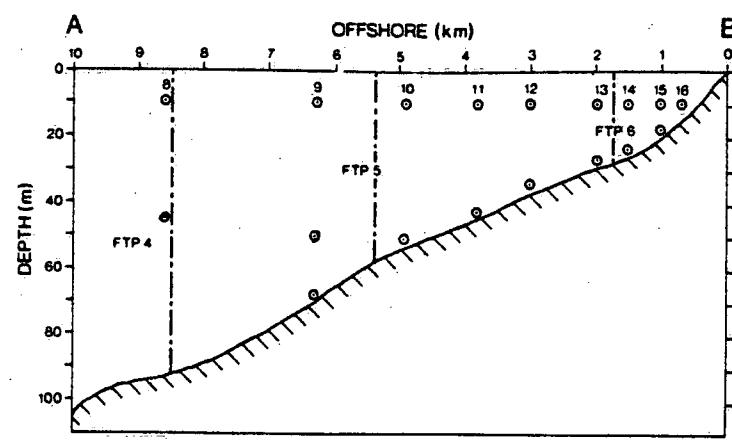


DEPTH: 10 m

\*DIRECTION TOWARDS



DEPTH: 27 m

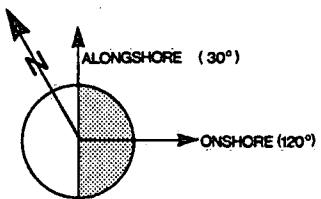


MOORING 15

JULY 1974

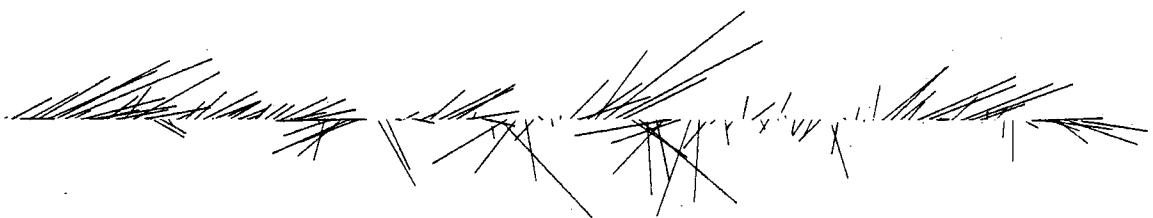
MOORING: 15

DATE: JULY 1974



WINDSPEED<sup>2</sup>

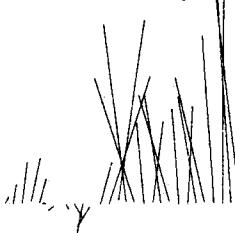
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 19 m



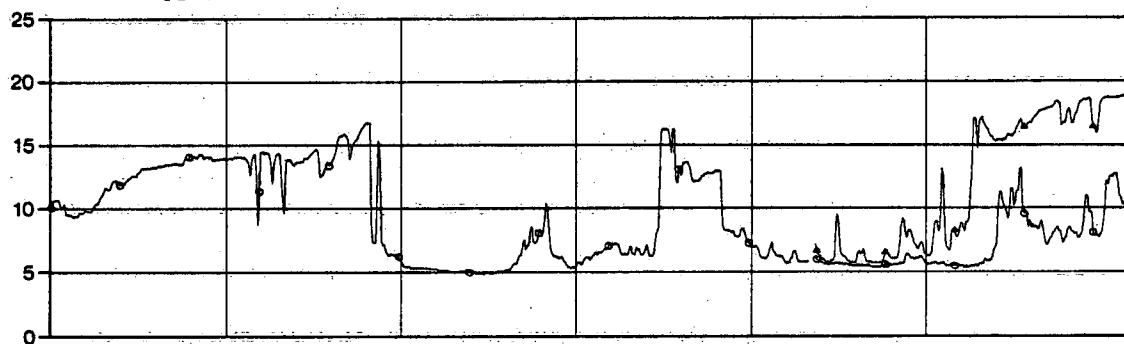
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 15

DATE: JULY 1974

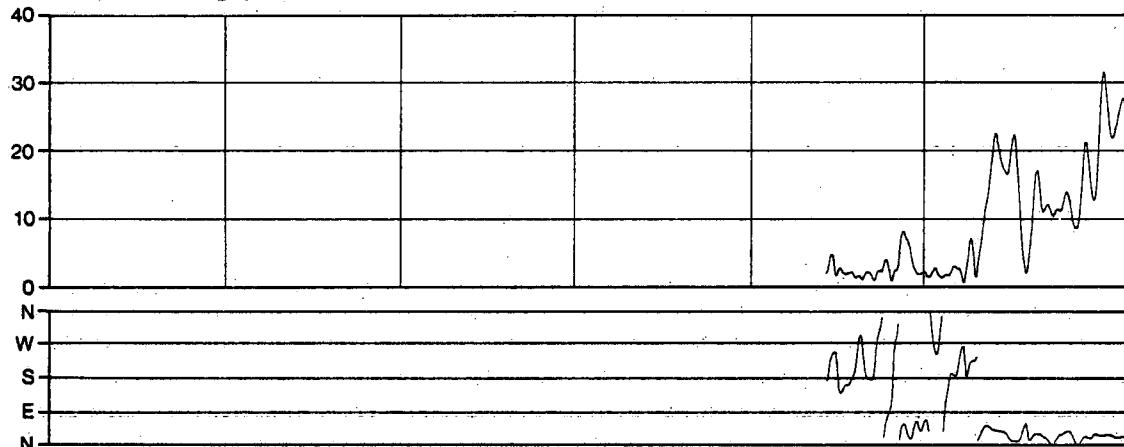
TEMPERATURE °C

△ - 10 m  
○ - 19 m

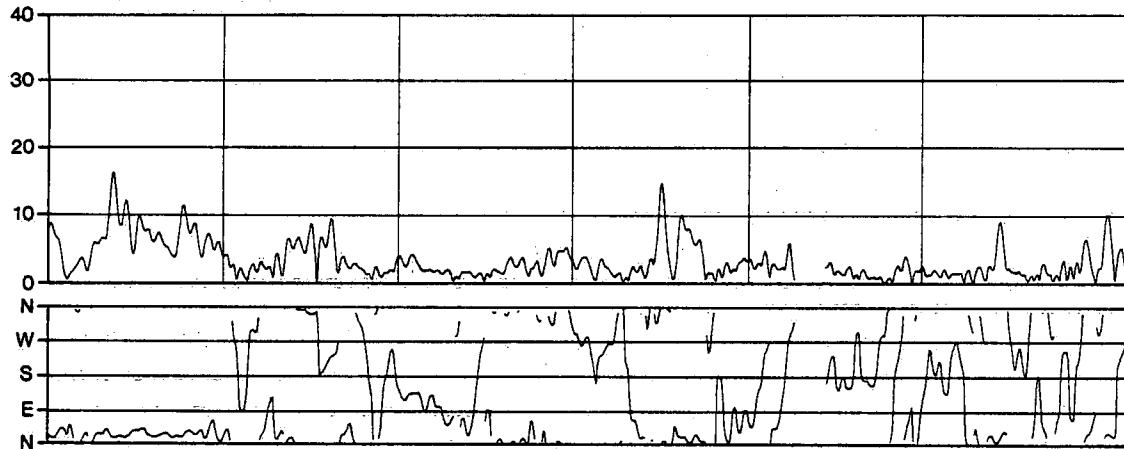


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 19 m

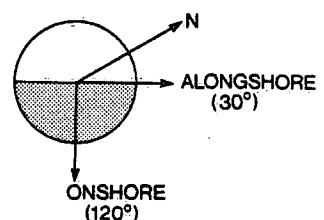
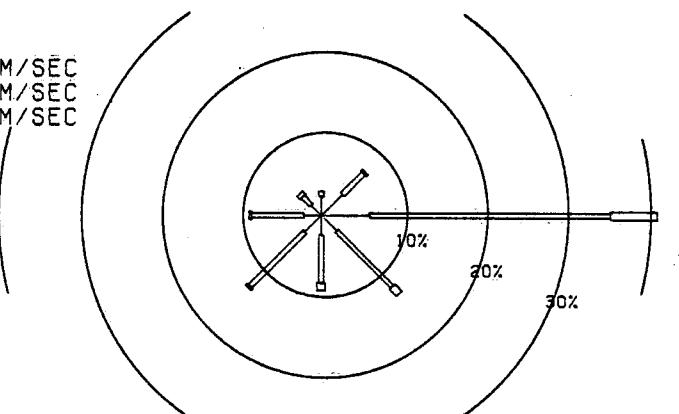


'1' '2' '3' '4' '5' '6' '7' '8' '9' '10' '11' '12' '13' '14' '15' '16' '17' '18' '19' '20' '21' '22' '23' '24' '25' '26' '27' '28' '29' '30' '31'

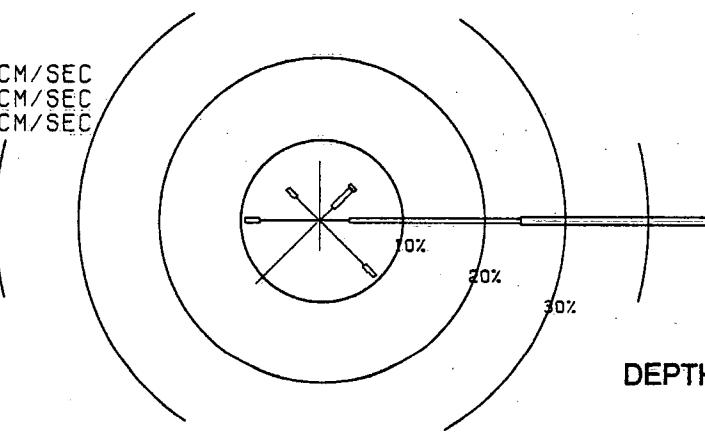
MOORING: 15 DATE: JULY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

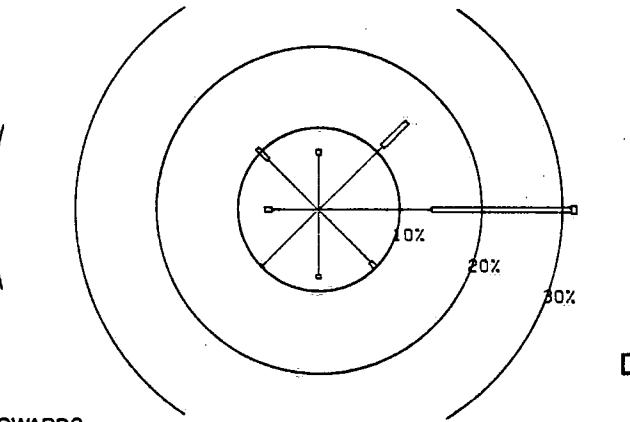
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

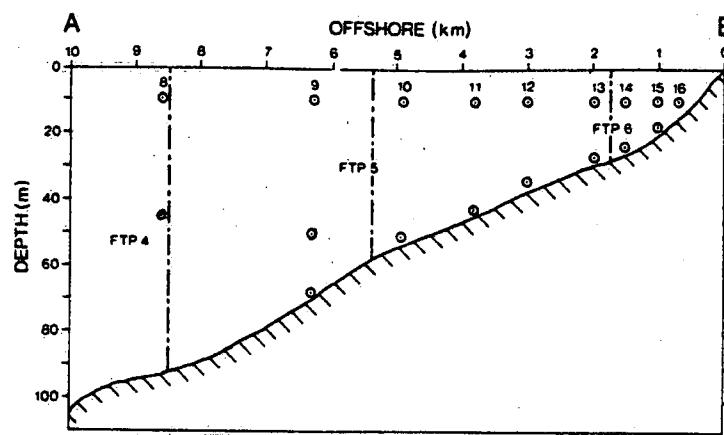


DEPTH: 10 m



DEPTH: 19 m

\*DIRECTION TOWARDS

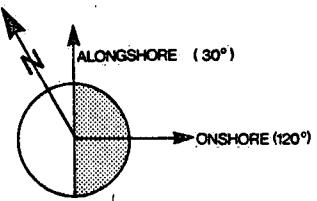


MOORING 16

JULY 1974

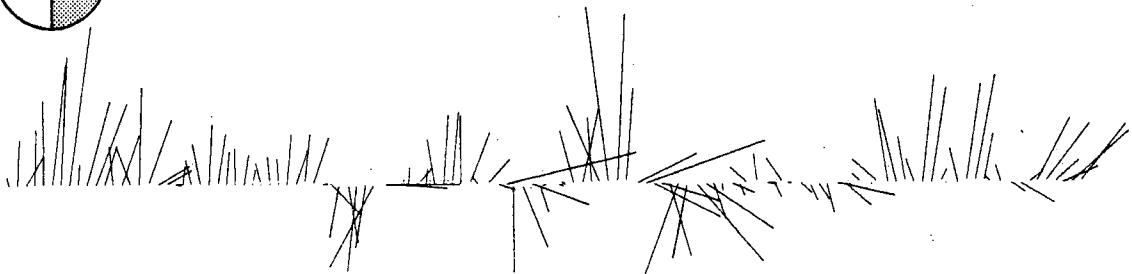
MOORING: 16

DATE: JULY 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec

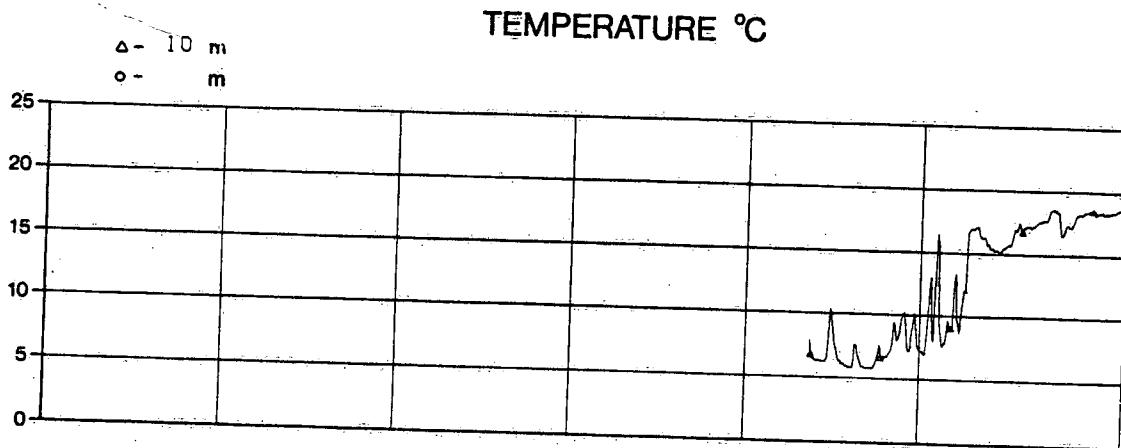


DEPTH: m

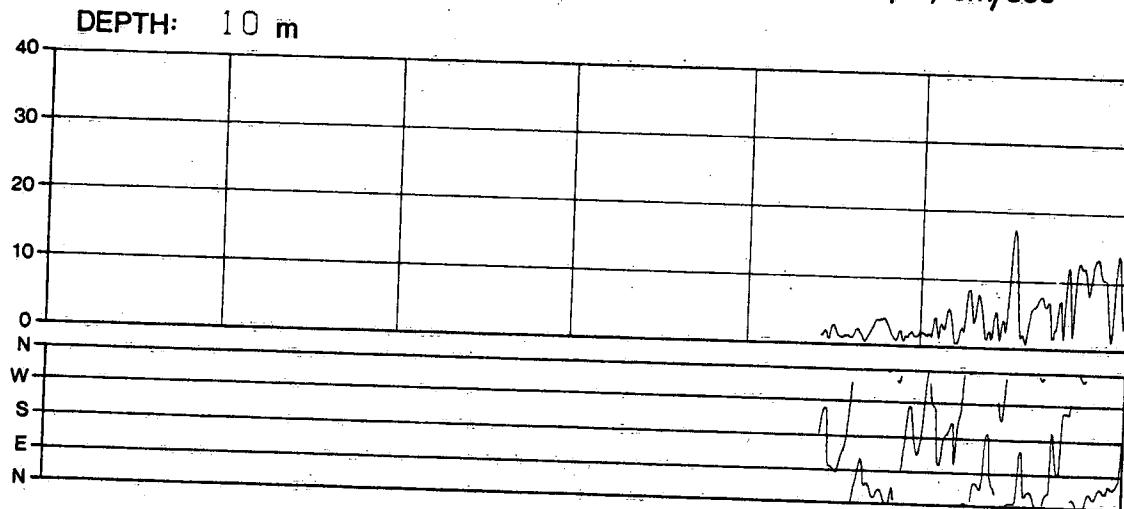
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 16

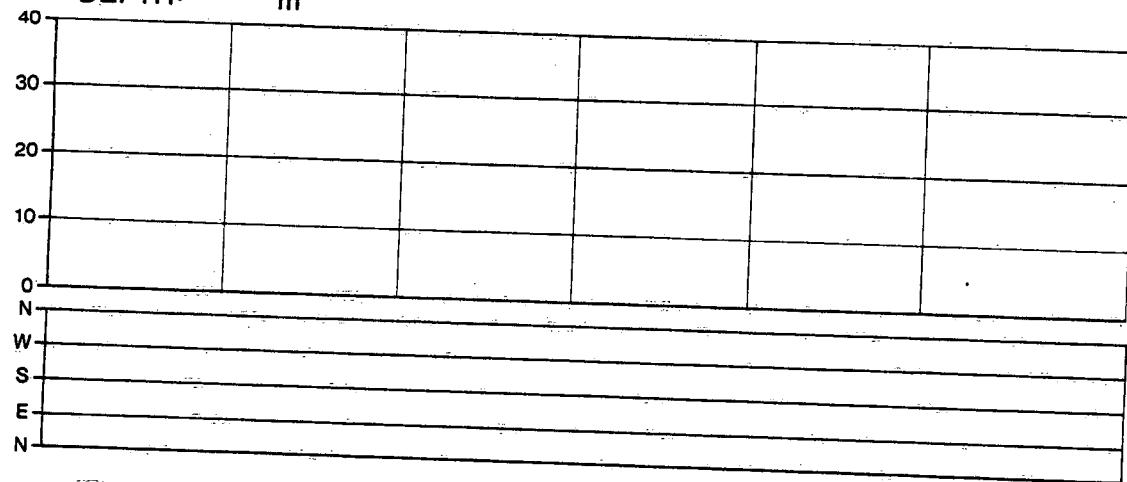
DATE: JULY 1974



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: m

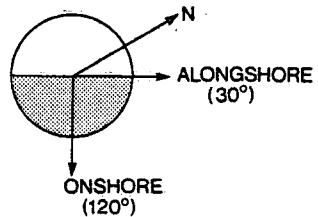
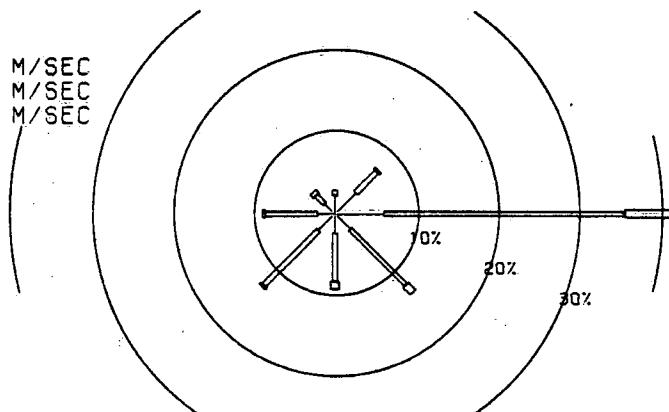


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

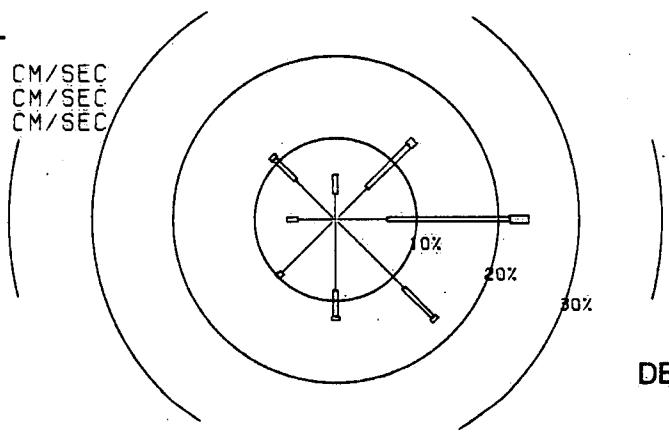
MOORING: 16 DATE: JULY 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

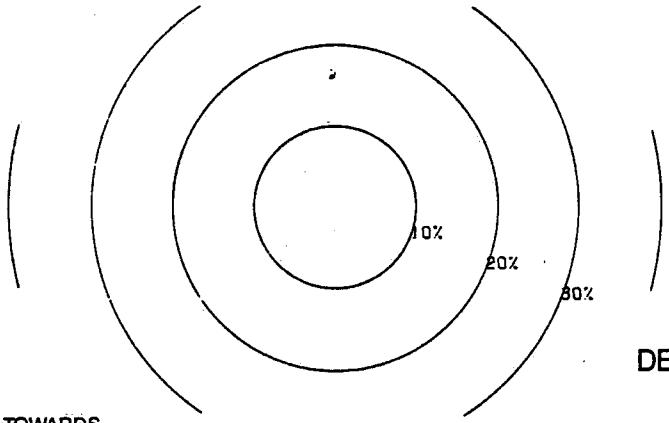
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

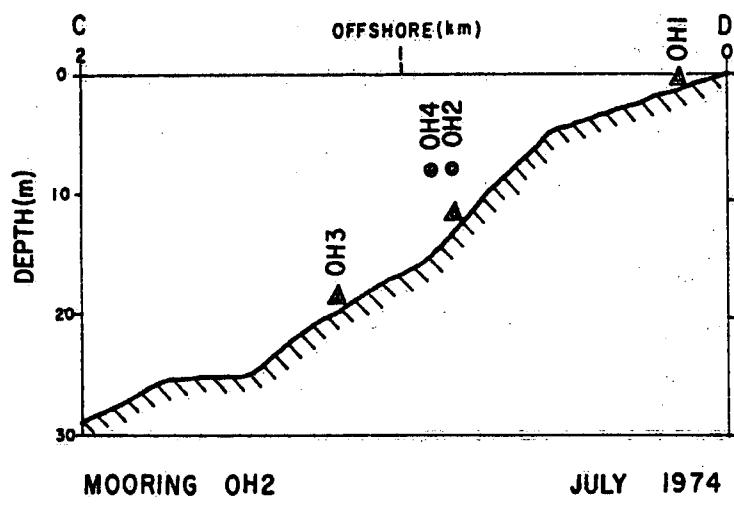


DEPTH: 10 m



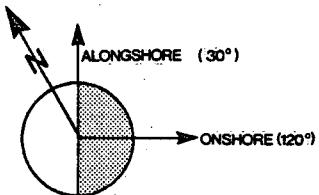
DEPTH: m

\*DIRECTION TOWARDS



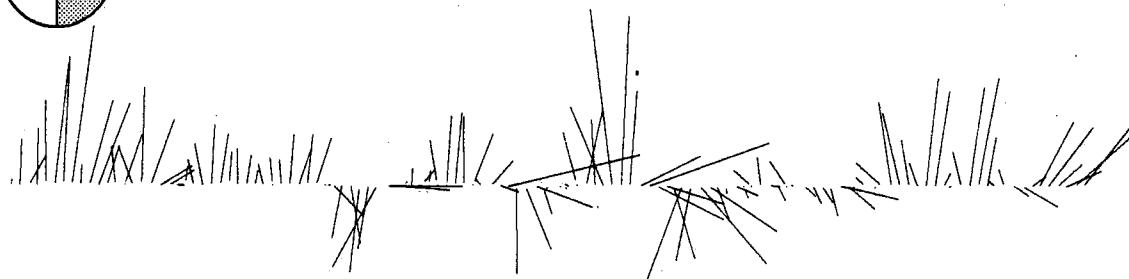
MOORING: OH2

DATE: JULY 1974



WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH : 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



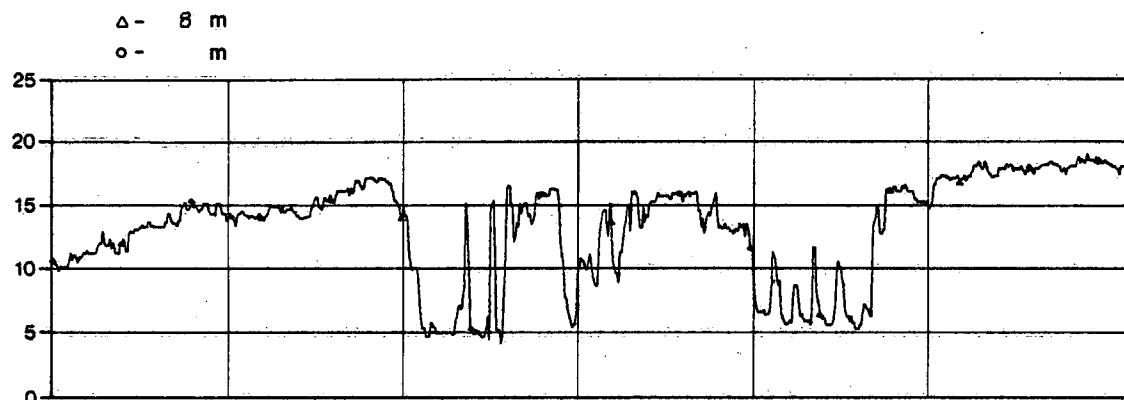
DEPTH: m

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 27 28 29 30 31

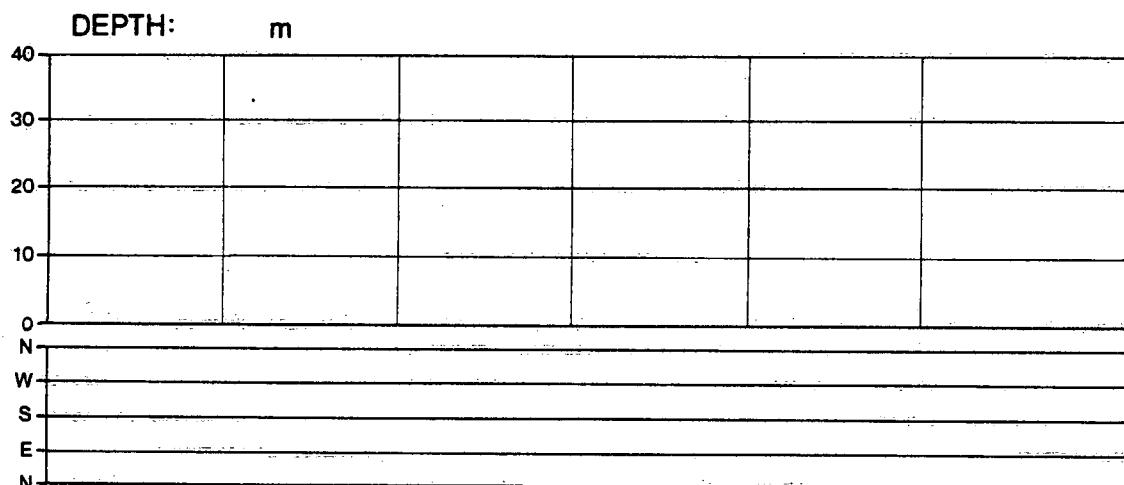
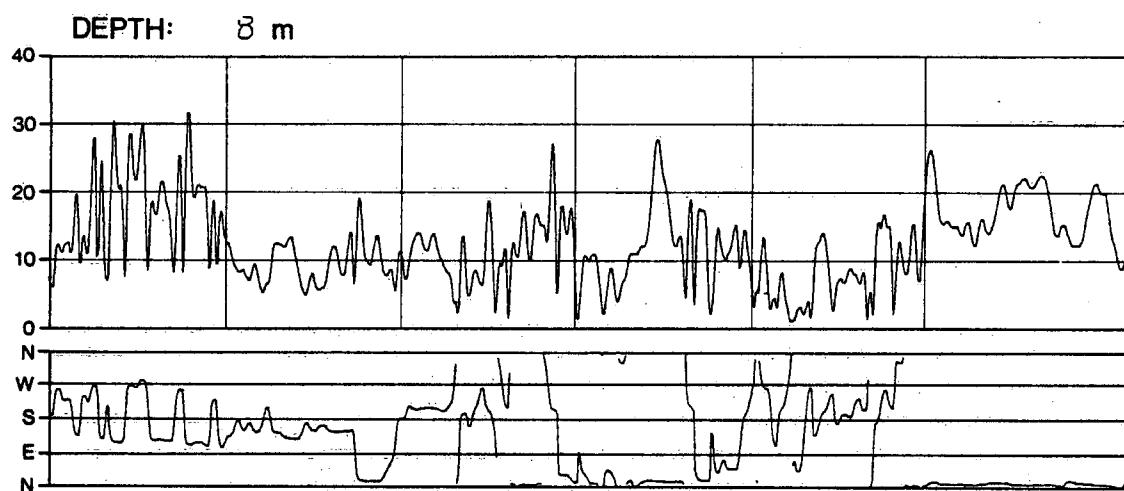
MOORING: OH2

DATE: JULY 1974

TEMPERATURE °C



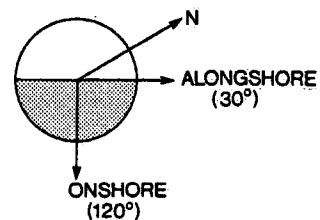
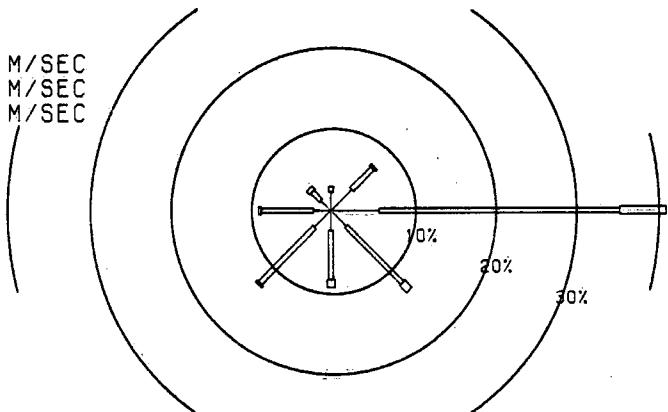
FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



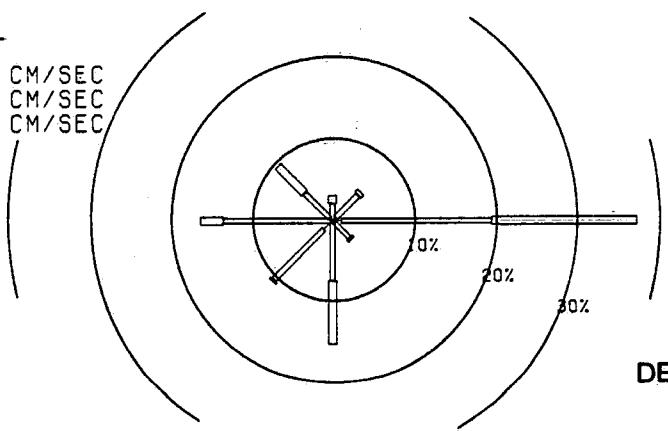
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: OH2 DATE: JULY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

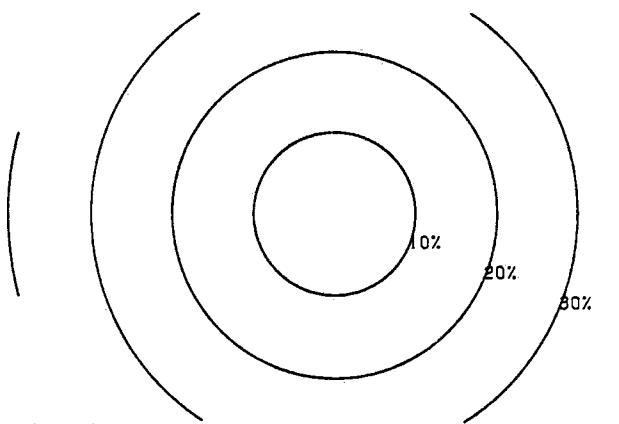
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

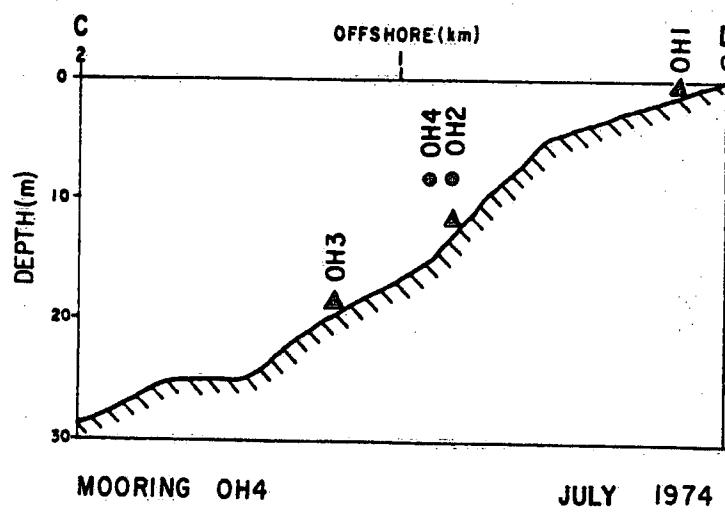


DEPTH: 8 m



DEPTH: 10 m

\*DIRECTION TOWARDS

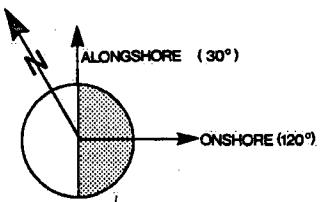


MOORING OH4

JULY 1974

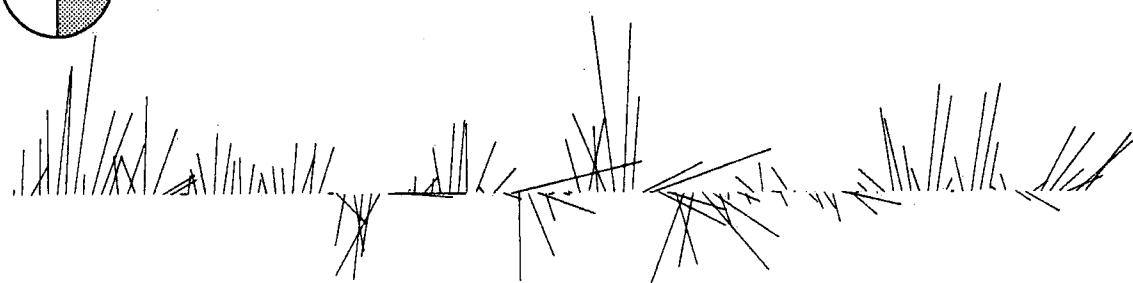
MOORING : OH4

DATE: JULY 1974



WINDSPEED<sup>2</sup>

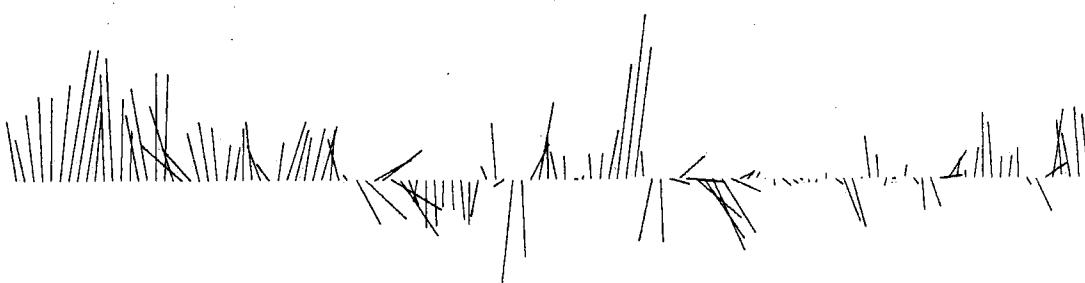
0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: m

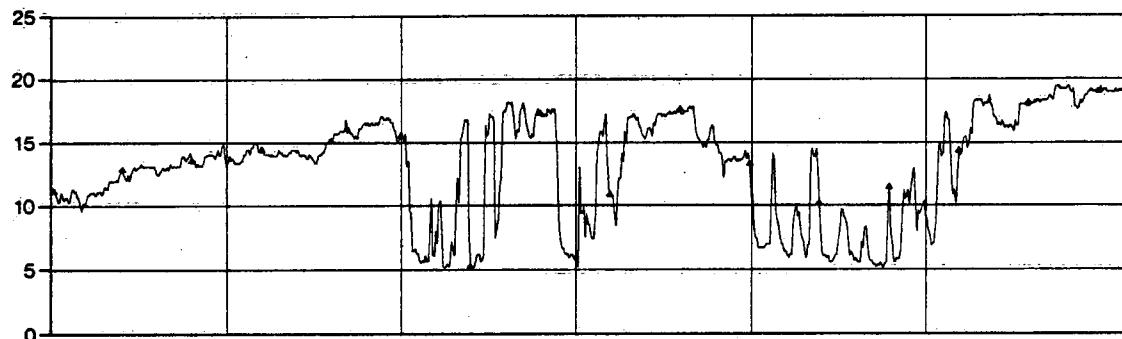
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH4

DATE: JULY 1974

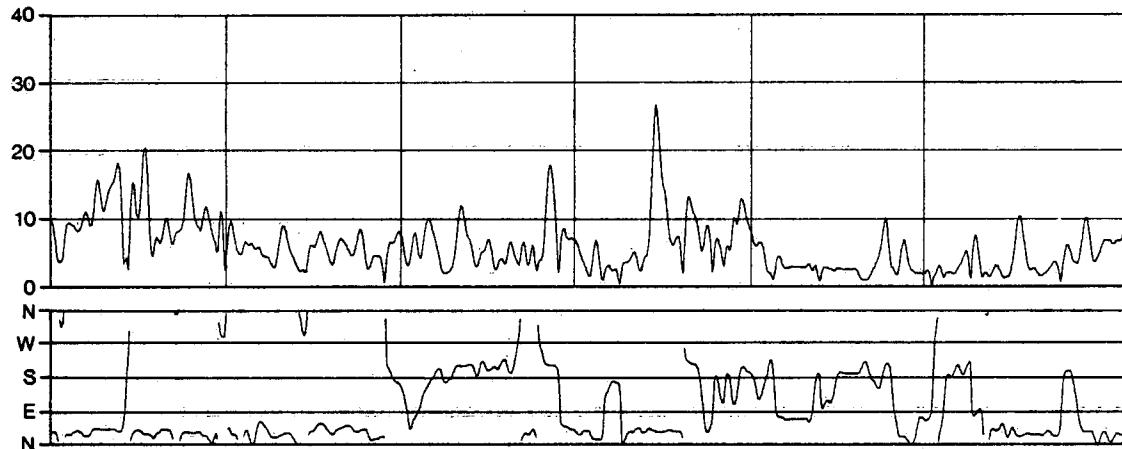
TEMPERATURE °C

△ - 8 m  
○ - m

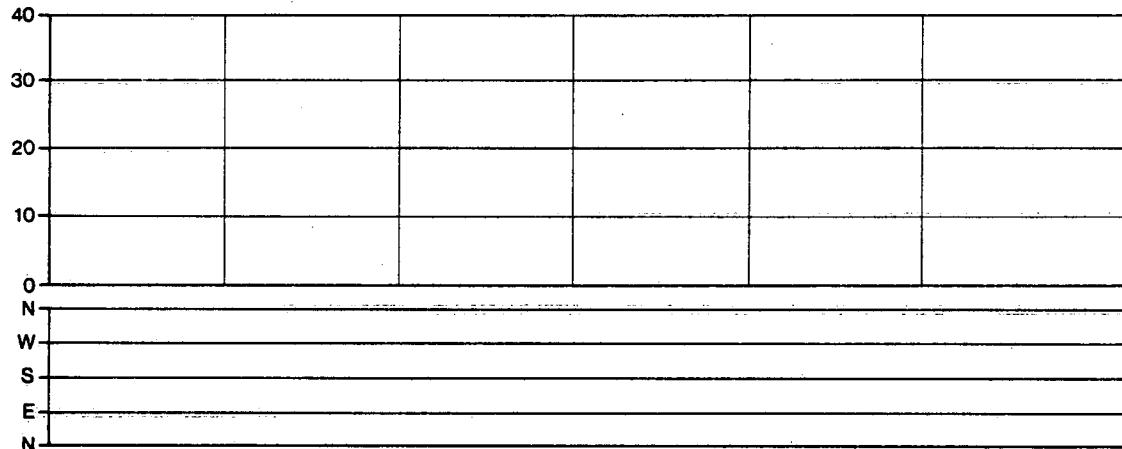


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 8 m



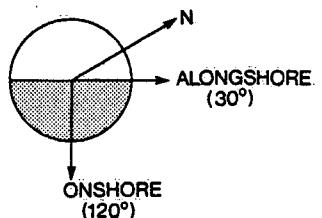
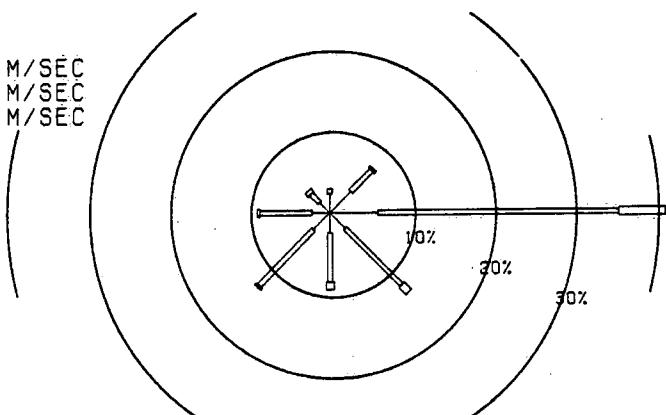
DEPTH: m



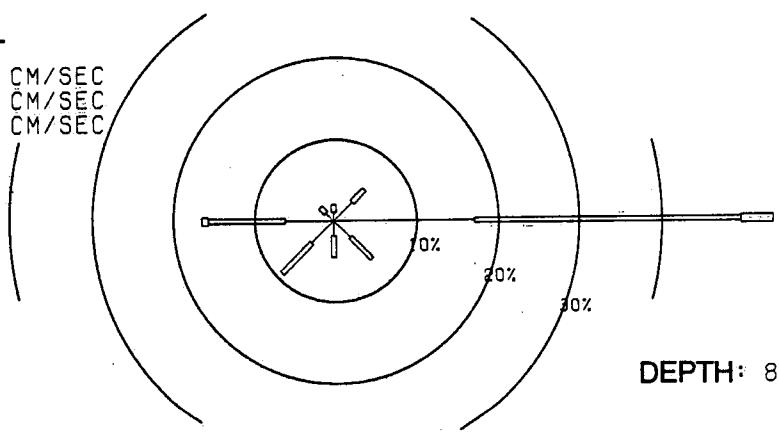
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 0H4 DATE: JULY 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

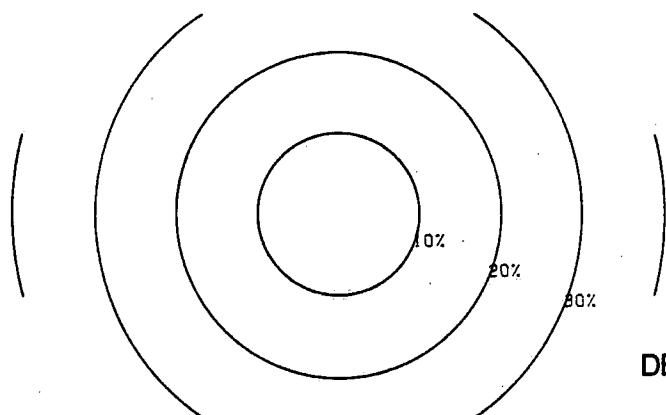
**WIND**  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



**CURRENT**  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



DEPTH: 8 m

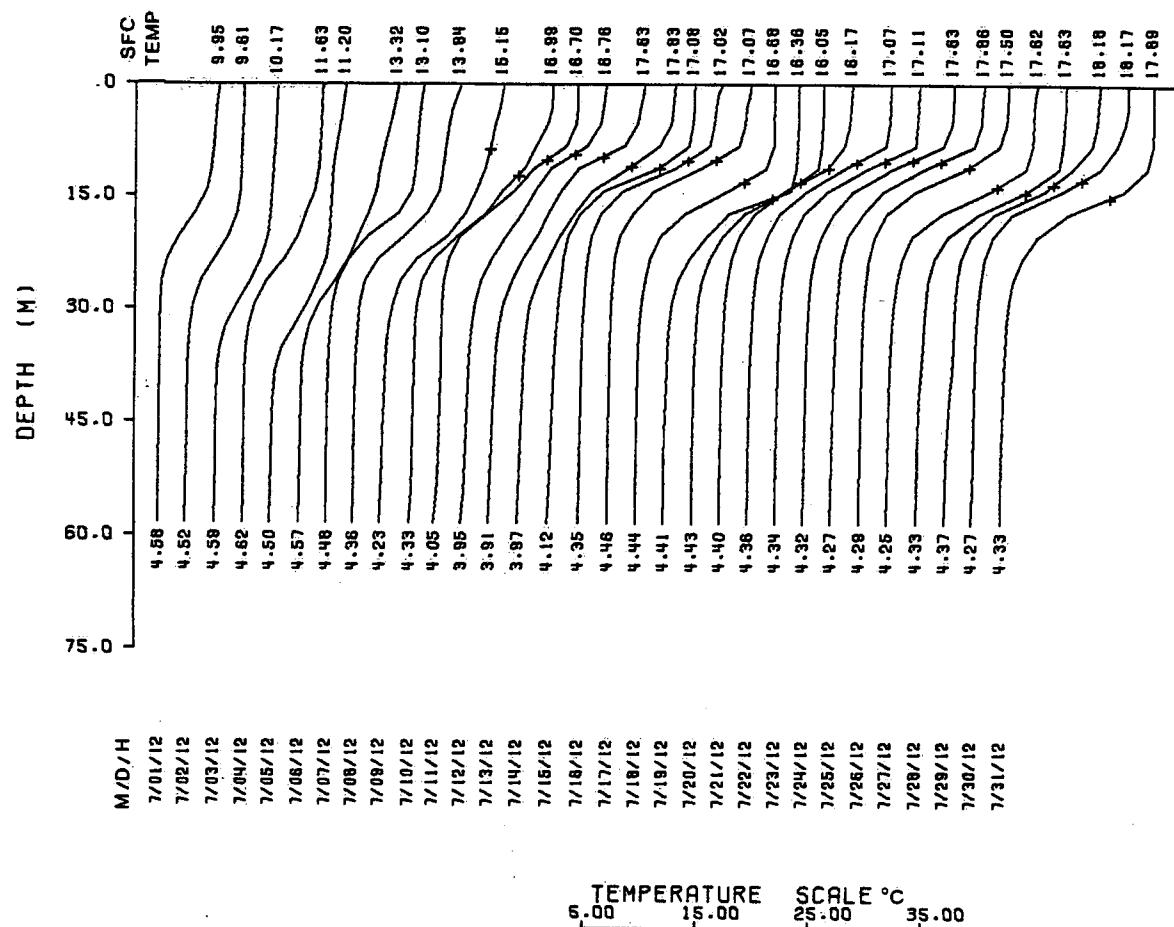


DEPTH: m

\*DIRECTION TOWARDS

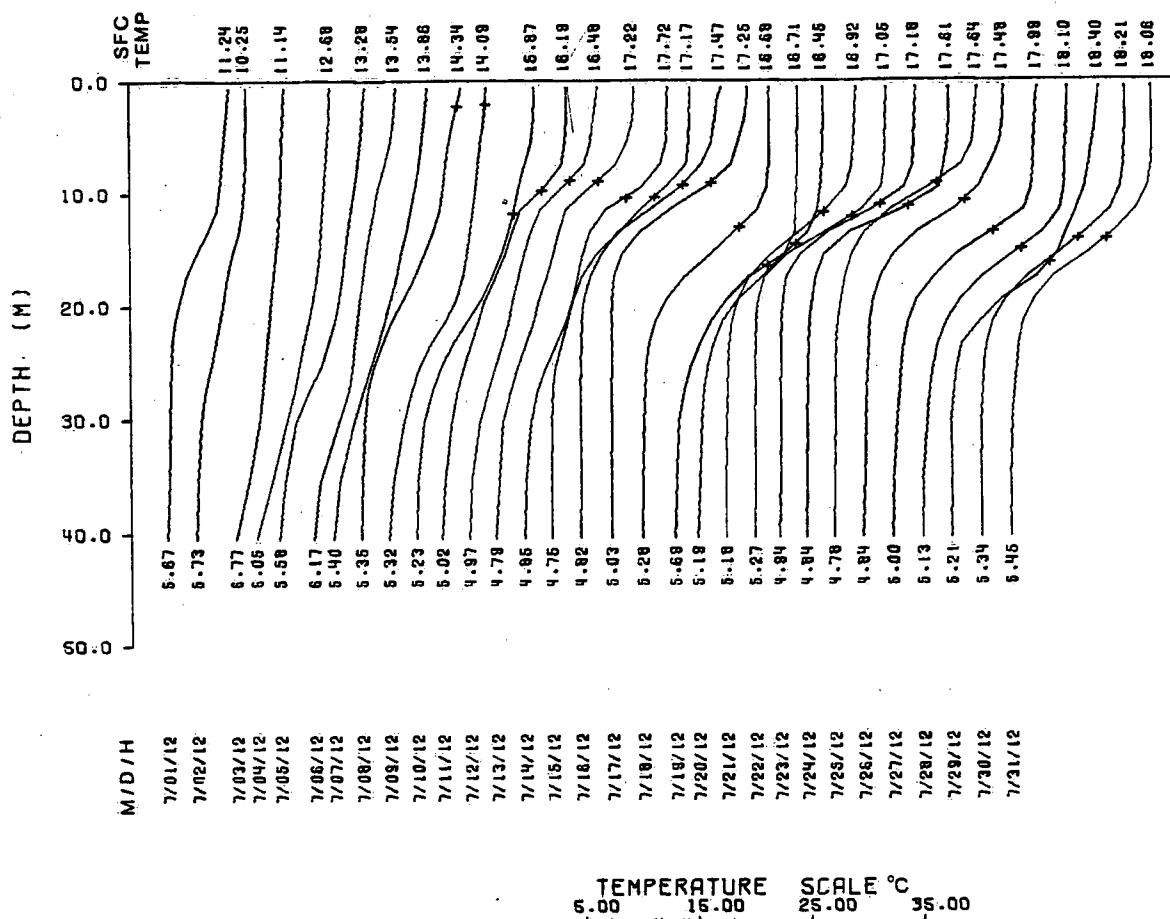
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - JULY 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 4  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 14 DEGREE MARKED WITH +



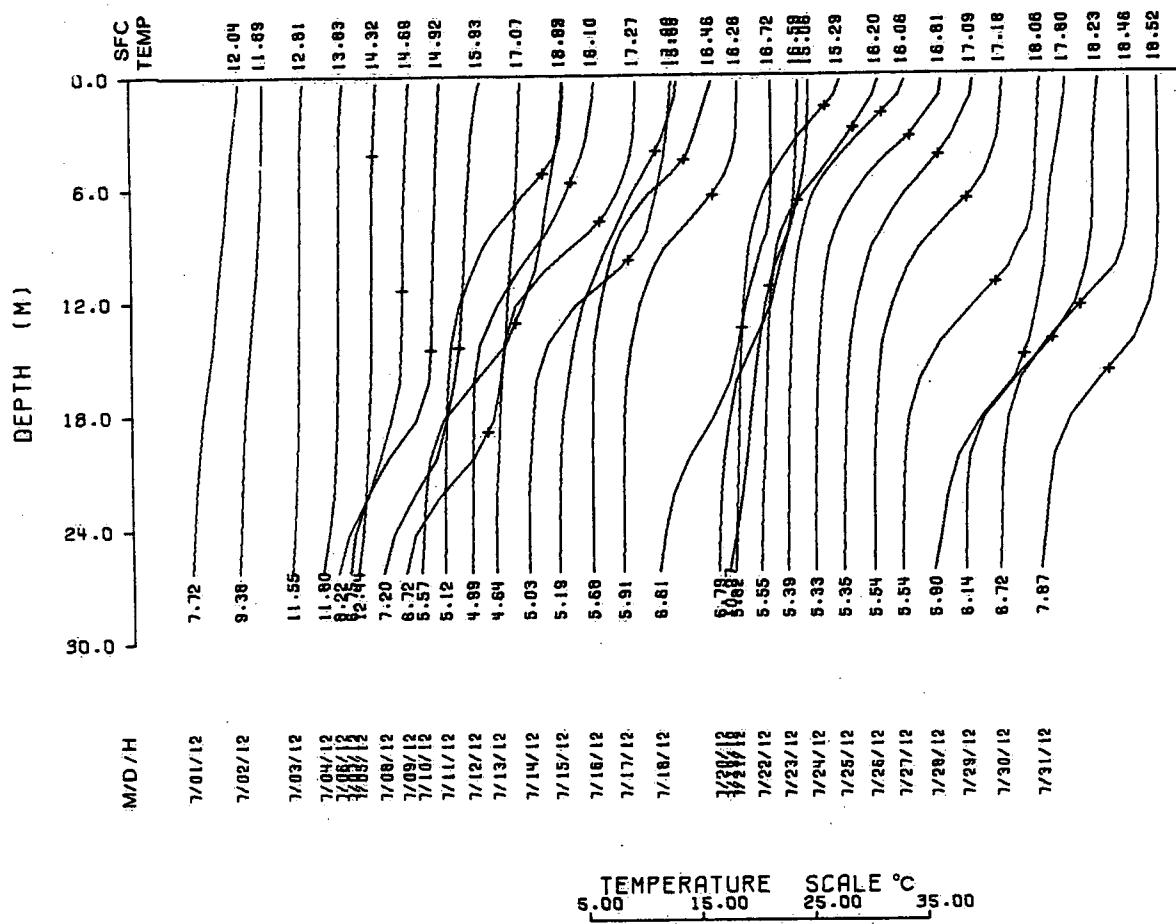
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - JULY 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - S  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 14 DEGREE MARKED WITH +



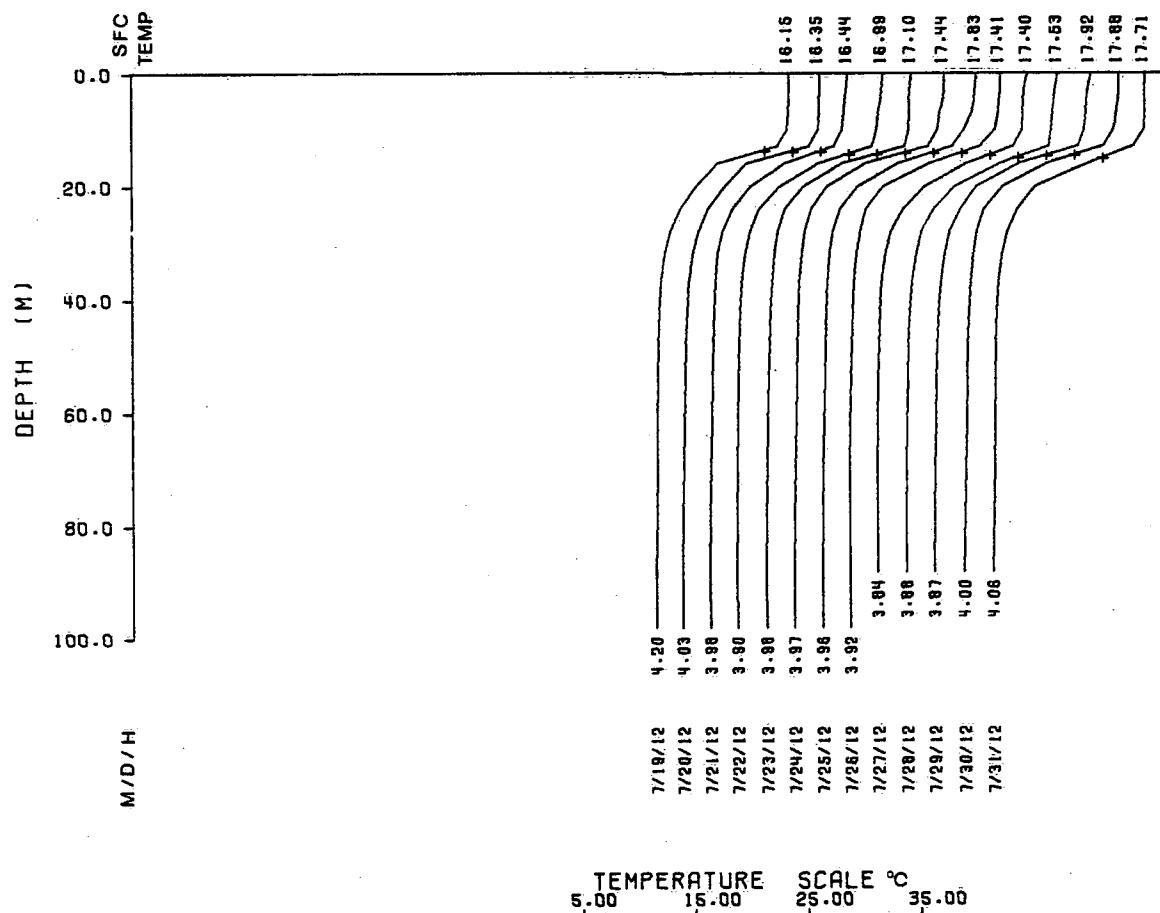
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - JULY 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 6  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 14 DEGREE MARKED WITH +



## DAILY AVERAGED TEMPERATURE PROFILES

DATE - JULY 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 7  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 14 DEGREE MARKED WITH +



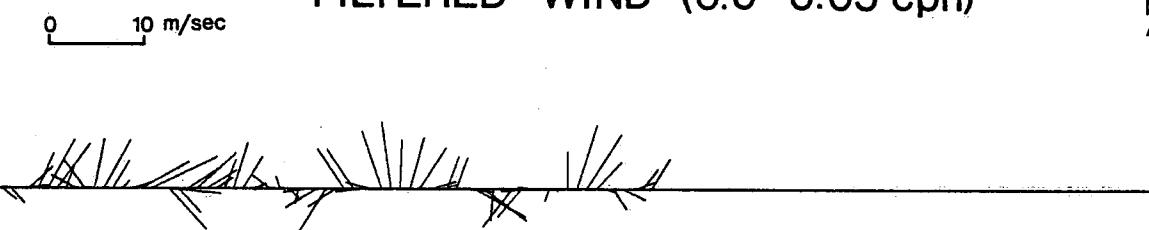
**AUGUST 1974**

# METEOROLOGICAL DATA

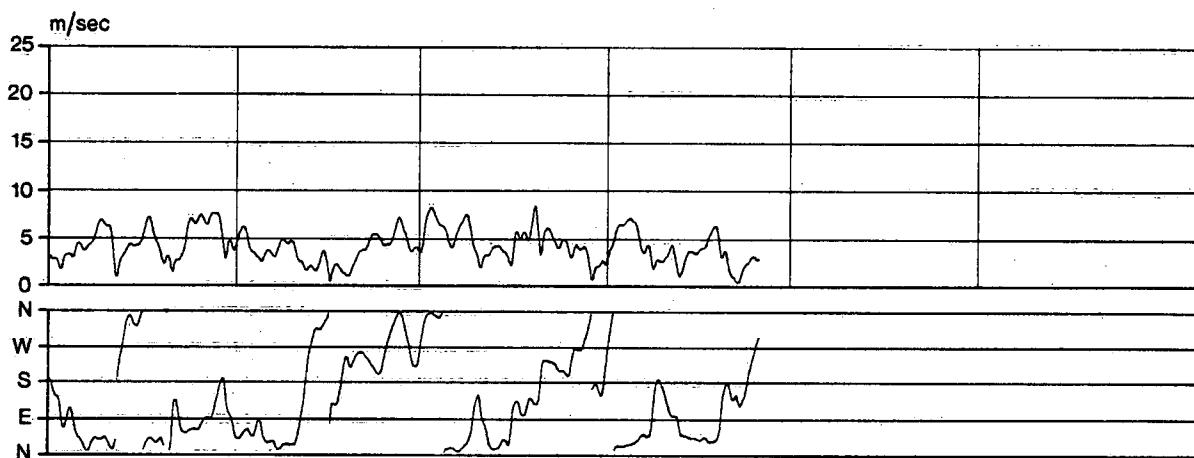
MOORING: 2

DATE: AUG 1974

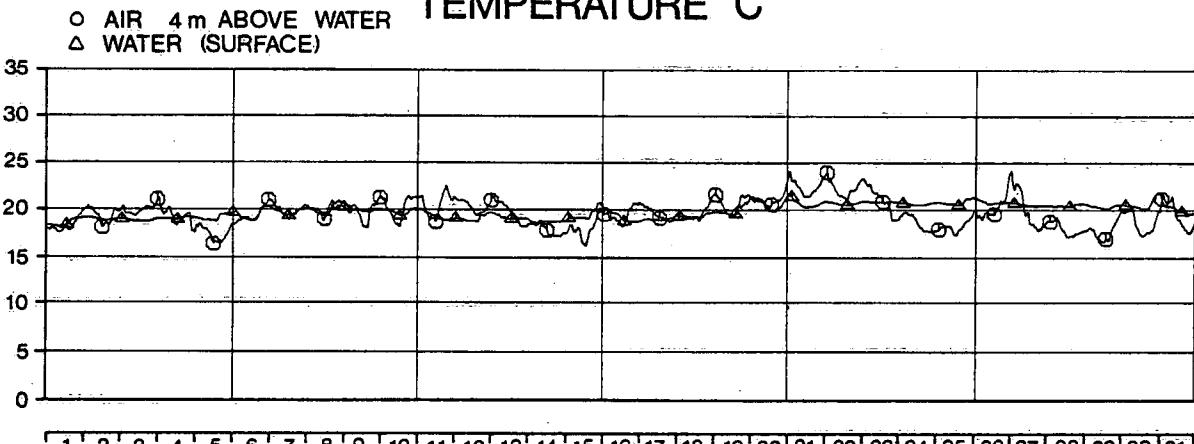
## FILTERED WIND (0.0-0.05 cph)



## FILTERED WIND (0.0-0.2 cph)\*



## TEMPERATURE °C



## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN									
1	19.9	17.3	9	21.2	17.9	17	20.4	18.5	25	19.8	17.1
2	20.3	18.0	10	21.3	18.0	18	21.5	18.6	26	24.0	18.8
3	21.0	19.1	11	22.5	18.6	19	21.5	19.1	27	22.7	17.6
4	21.1	17.4	12	21.0	19.2	20	23.4	20.1	28	19.0	17.0
5	18.4	16.1	13	21.3	18.0	21	24.0	21.2	29	19.8	16.4
6	20.9	18.3	14	18.8	16.9	22	23.8	20.9	30	20.2	17.1
7	20.8	18.9	15	19.7	16.0	23	23.1	18.7	31	21.6	17.3
8	20.8	18.6	16	20.7	18.0	24	19.7	17.3			

# METEOROLOGICAL DATA

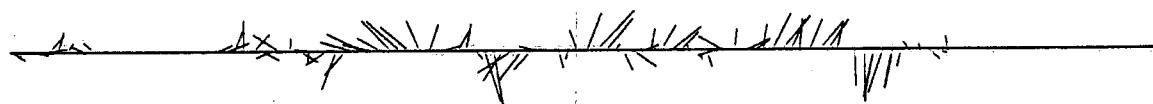
MOORING: OH7

DATE: AUG 1974

## FILTERED WIND (0.0-0.05 cph)

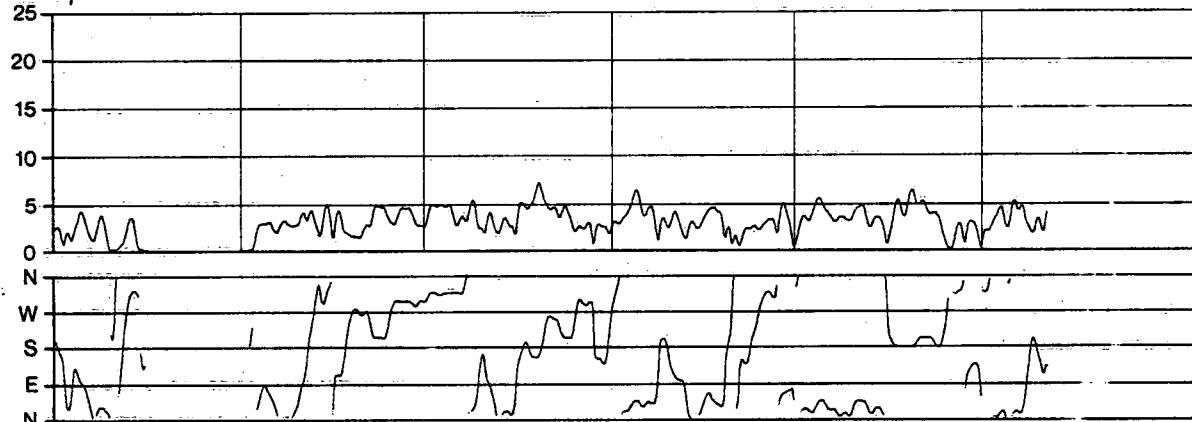
0      10 m/sec

N  
↑



## FILTERED WIND (0.0-0.2 cph)\*

m/sec



\* DIRECTION TOWARDS

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

## TEMPERATURE °C

35

30

25

20

15

10

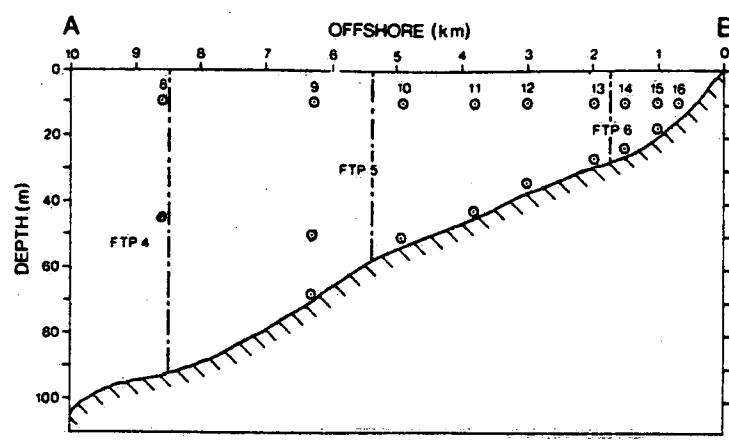
5

0

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 27 28 29 30 31

## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN	DAY	T MAX	TMIN	DAY	T MAX	TMIN	DAY	TMAX	TMIN
1			9			17			25		
2			10			18			26		
3			11			19			27		
4			12			20			28		
5			13			21			29		
6			14			22			30		
7			15			23			31		
8			16			24					

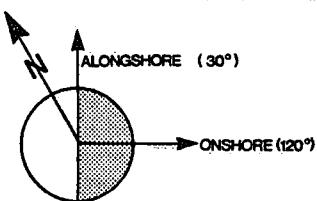


MOORING 9

AUGUST 1974

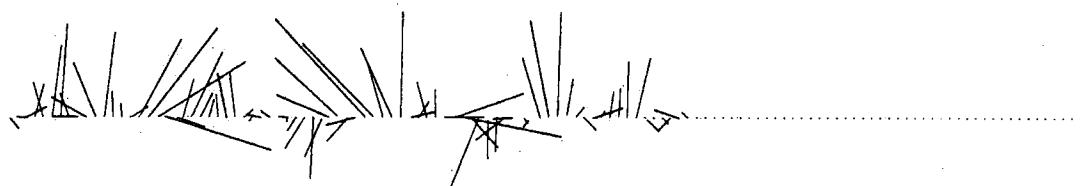
MOORING: 9

DATE: AUG 1974



WINDSPEED<sup>2</sup>

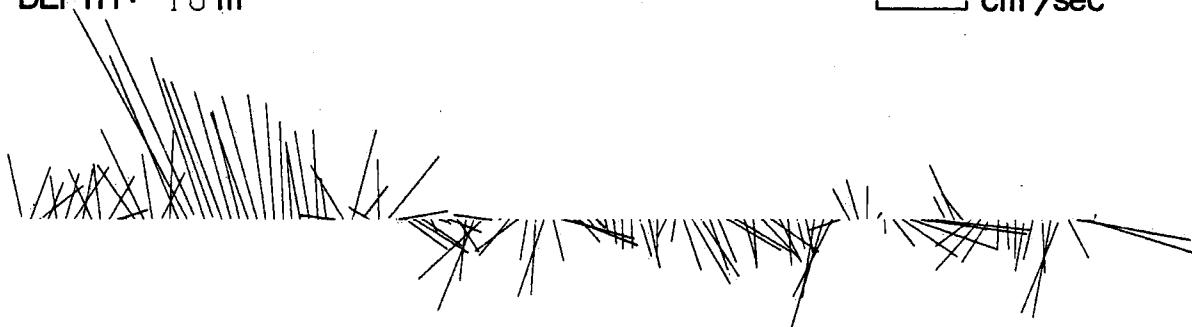
0 40 m<sup>2</sup>/sec<sup>2</sup>



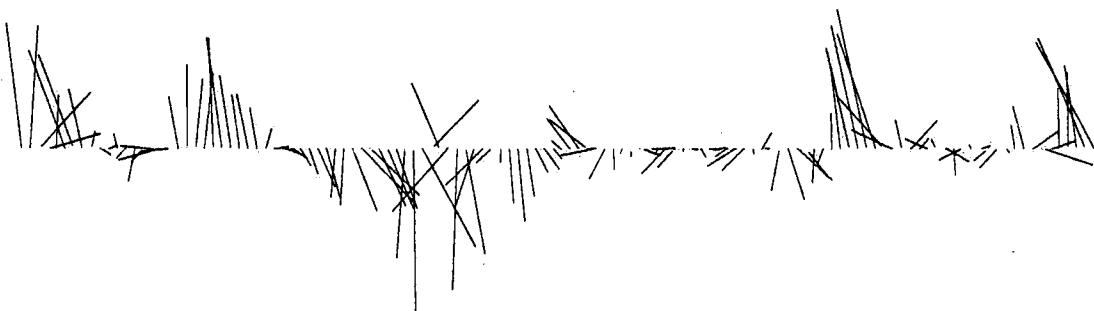
DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 35 m



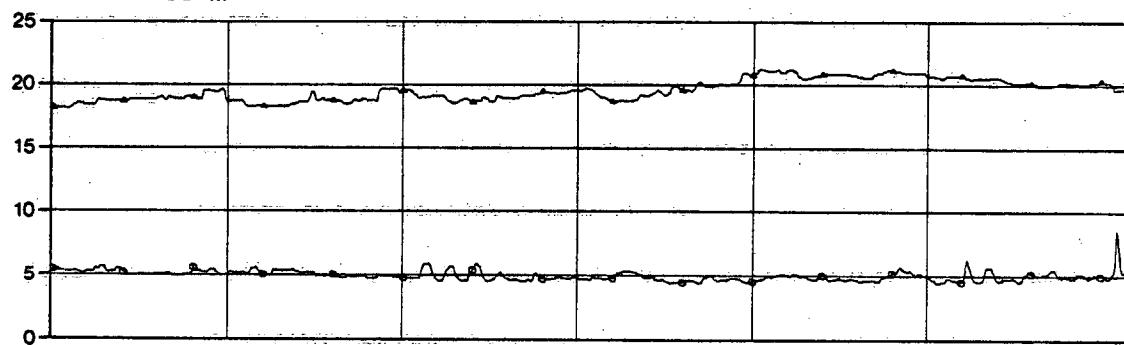
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

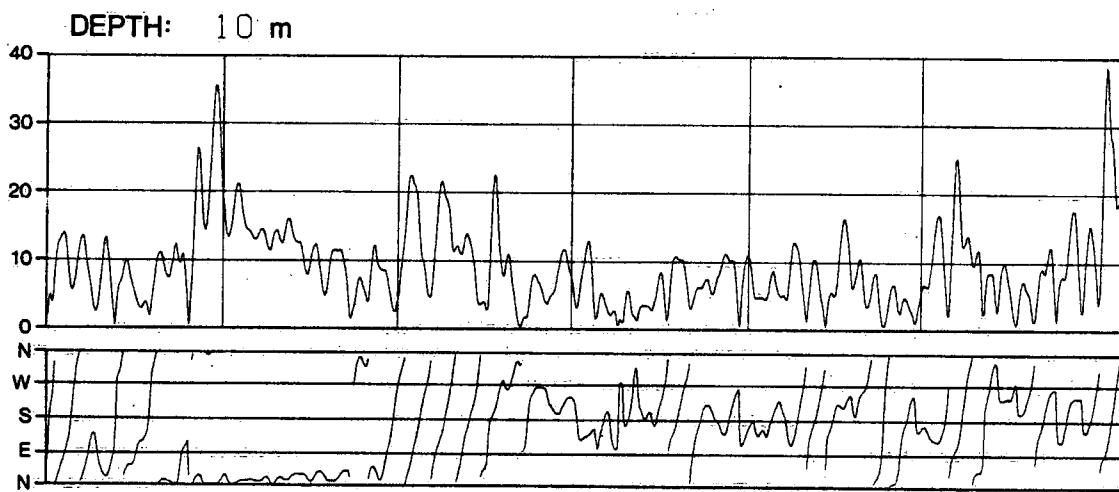
DATE: AUG 1974

TEMPERATURE °C

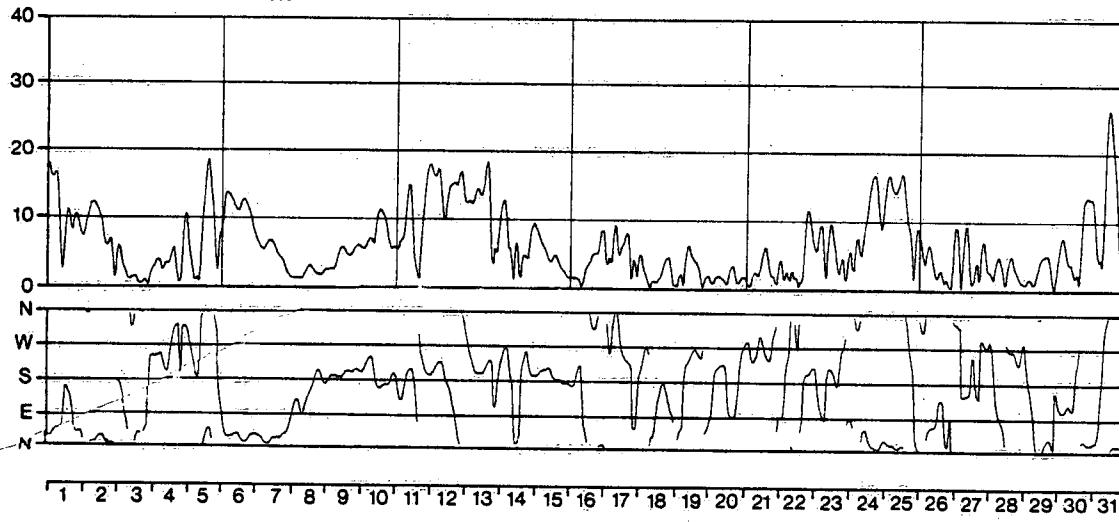
△ - 10 m  
○ - 35 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 35 m

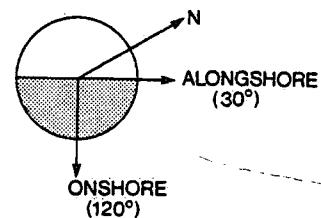
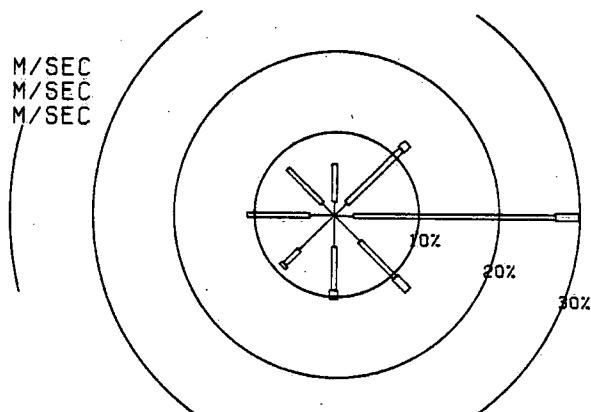


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

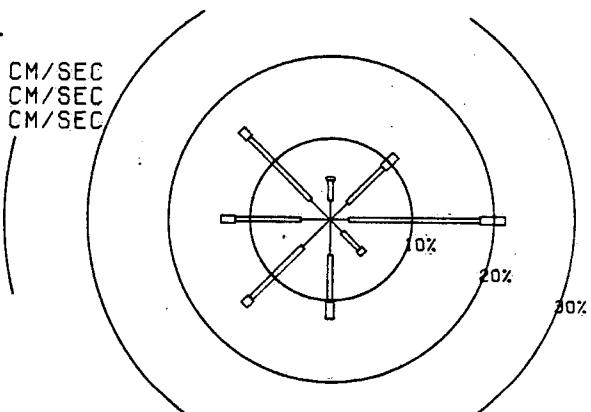
MOORING: 9 DATE: AUG 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

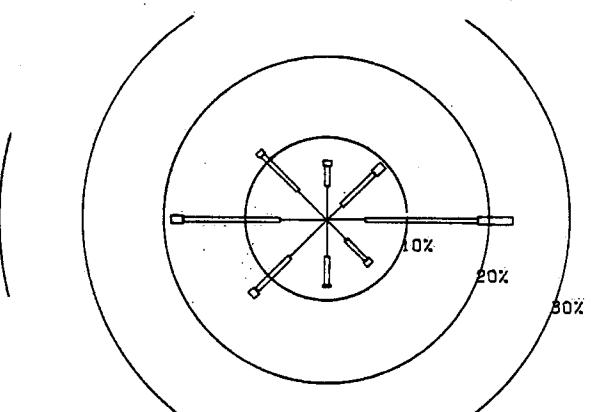


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

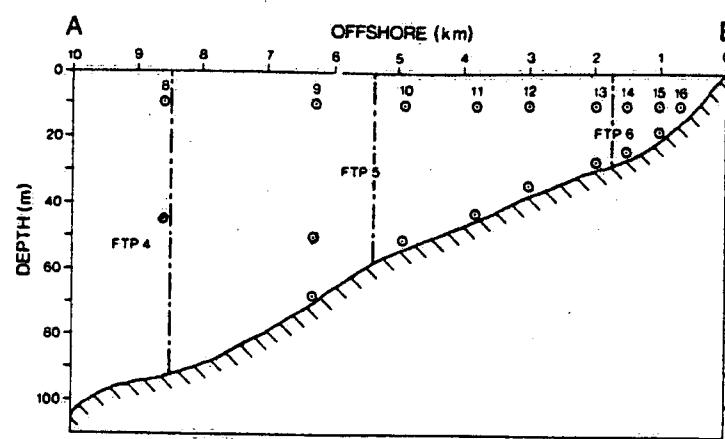


DEPTH: 10 m

\*DIRECTION TOWARDS



DEPTH: 35 m

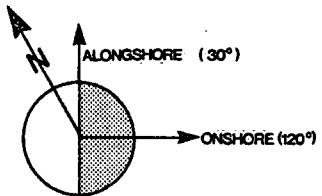


MOORING 9

AUGUST 1974

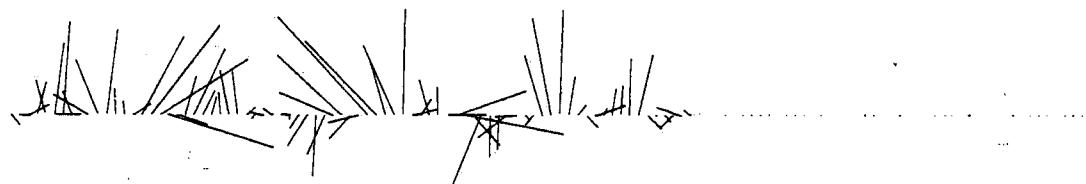
MOORING: 9

DATE: AUG 1974



WINDSPEED<sup>2</sup>

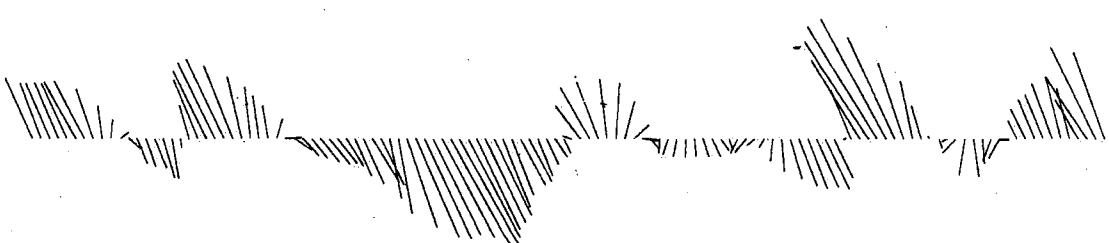
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 70 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

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 27 28 29 30 31

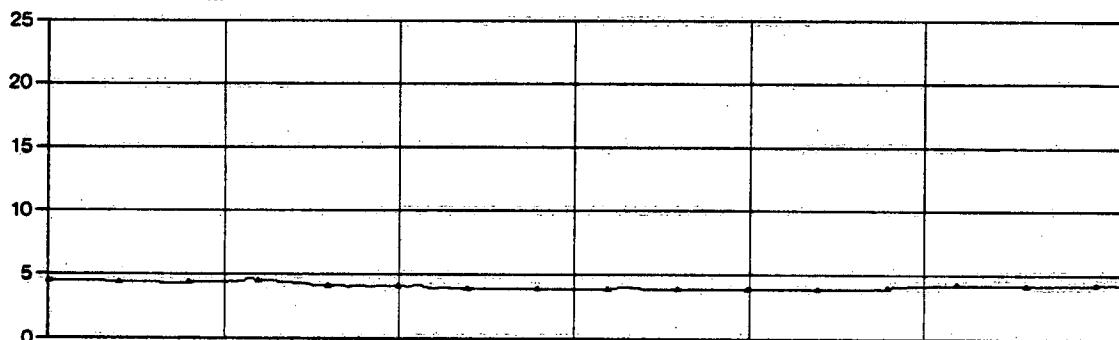
MOORING: 9

DATE: AUG 1974

TEMPERATURE °C

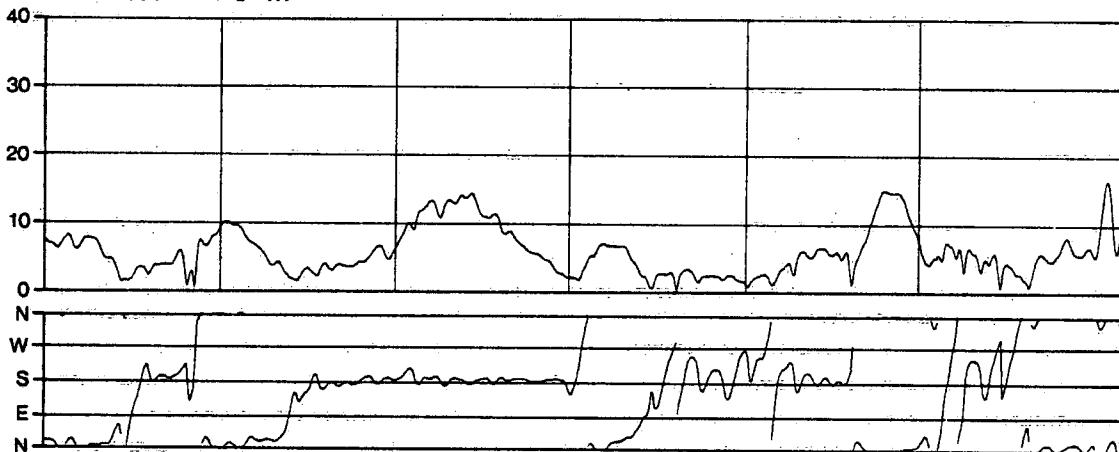
△ - 70 m

○ - m

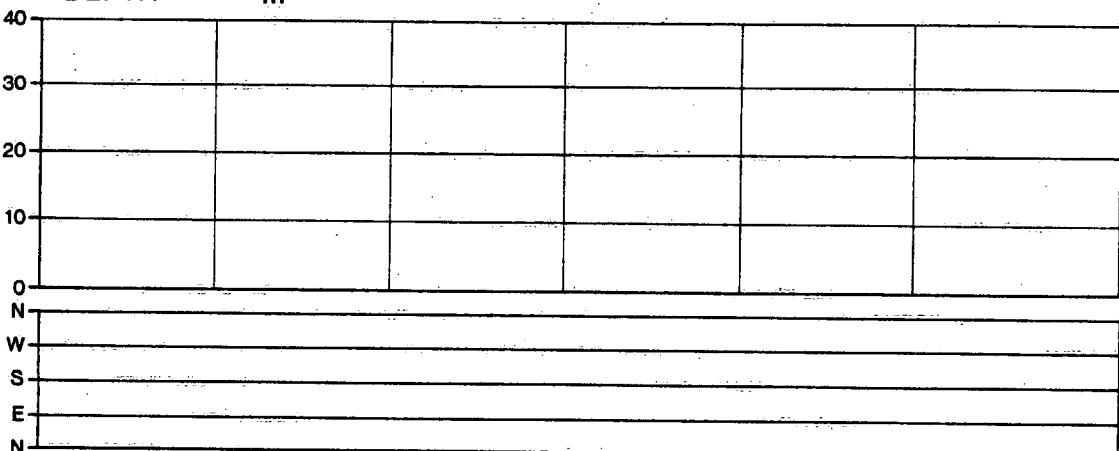


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 70 m



DEPTH: m

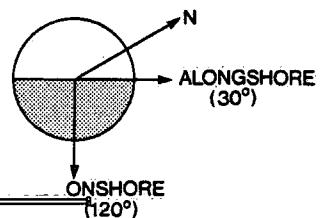
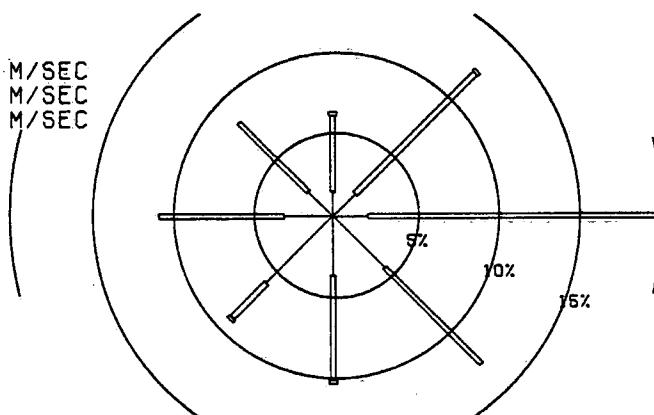


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

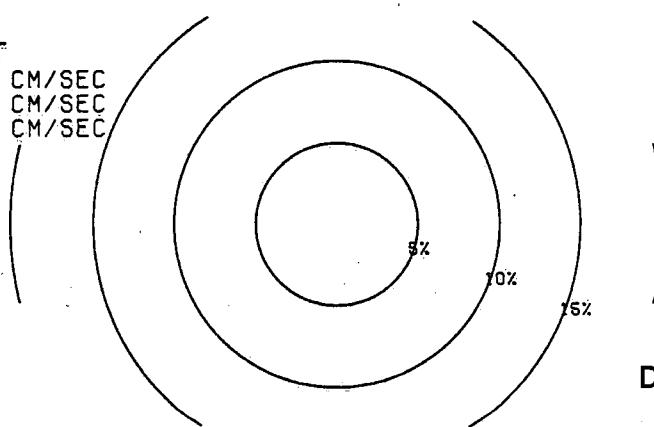
MOORING: 9 DATE: AUG 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-0 M/SEC  
— ≥ 0 M/SEC

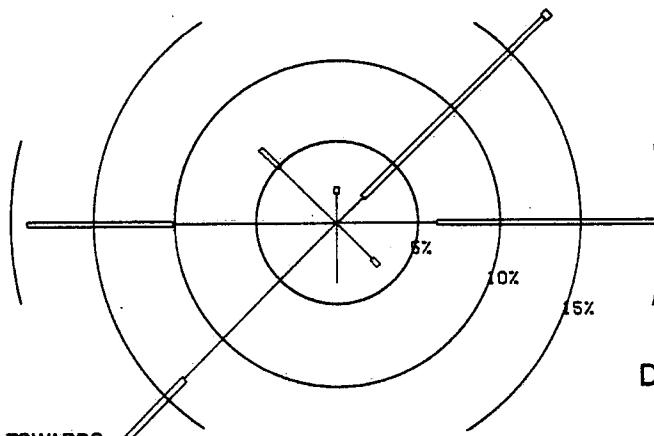


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

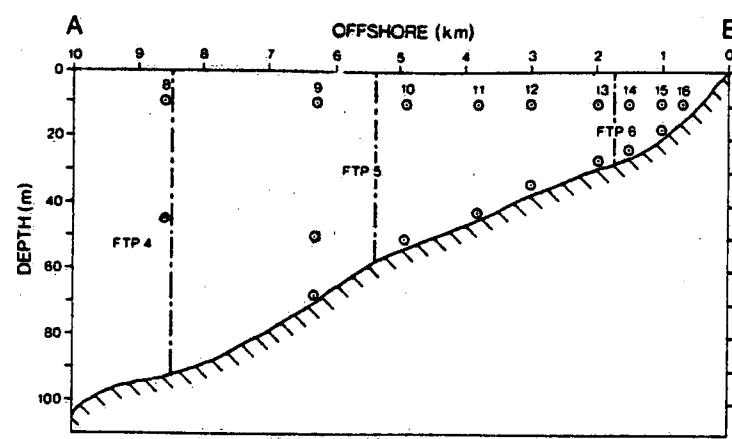


DEPTH: m

\*DIRECTION TOWARDS



DEPTH: 70 m

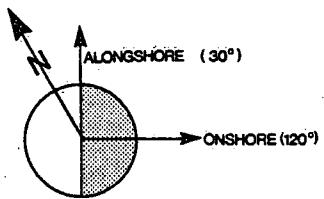


MOORING 10

AUGUST 1974

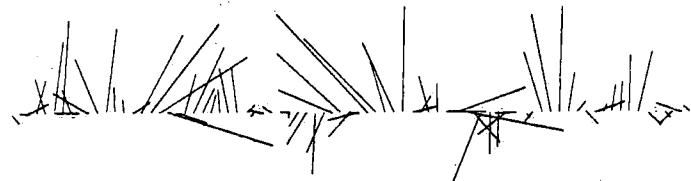
MOORING: 10

DATE: AUG 1974



WINDSPEED<sup>2</sup>

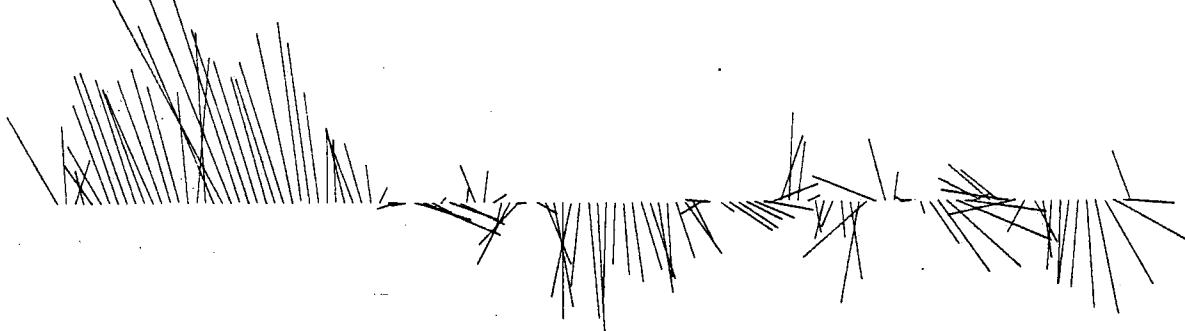
0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: m

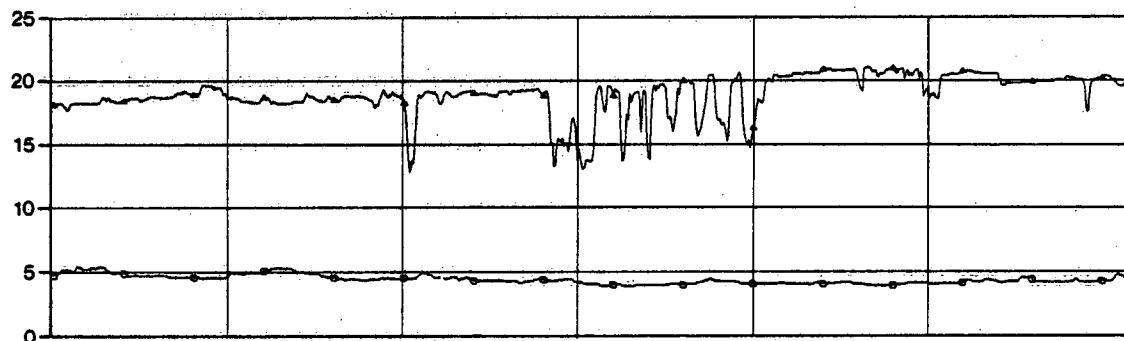
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 10

DATE: AUG 1974

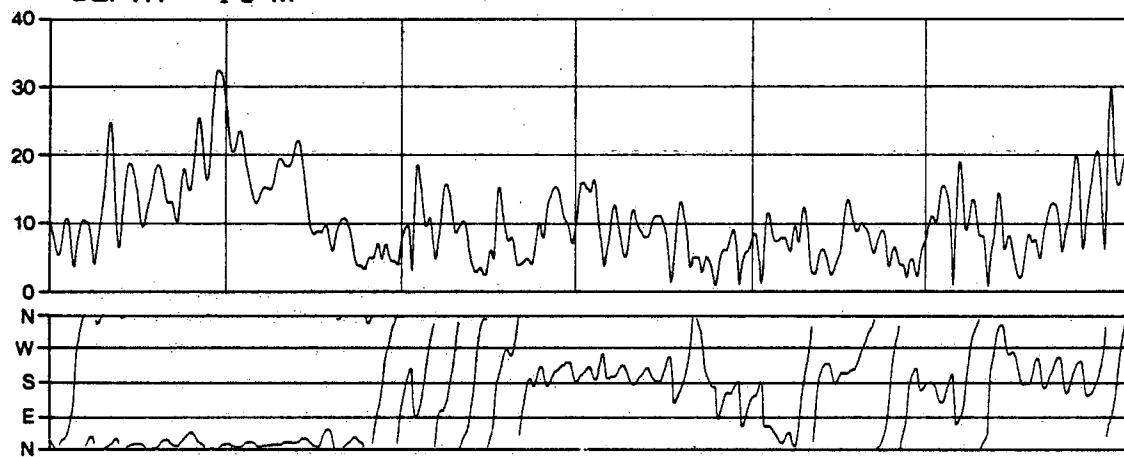
TEMPERATURE °C

△ - 10 m  
○ - 53 m

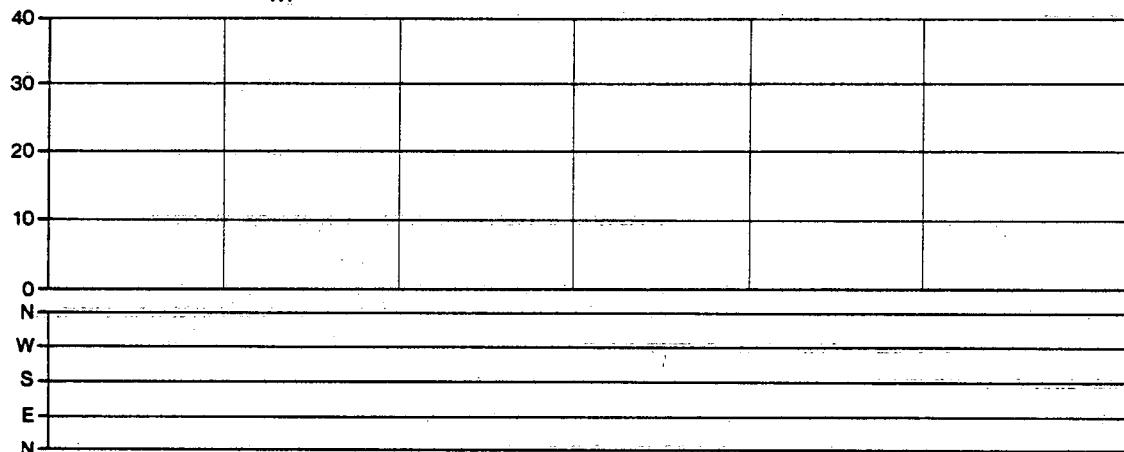


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: m



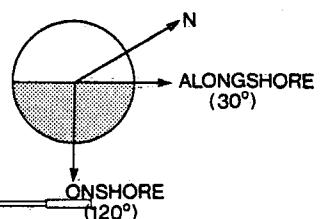
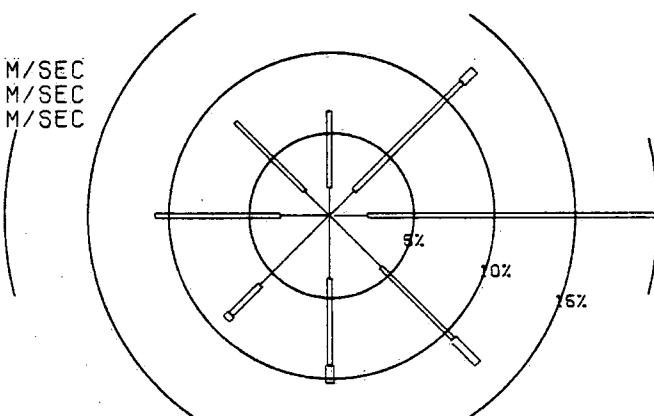
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 10

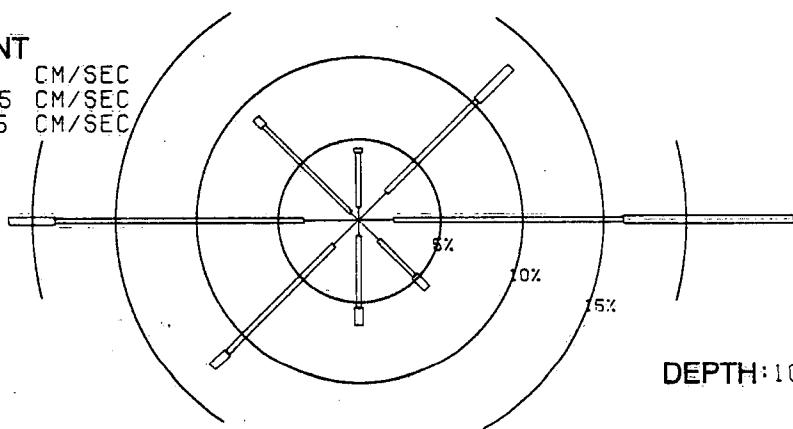
DATE: AUG 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

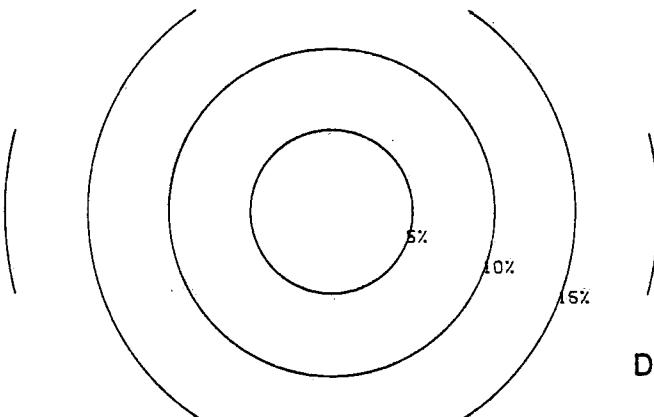


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

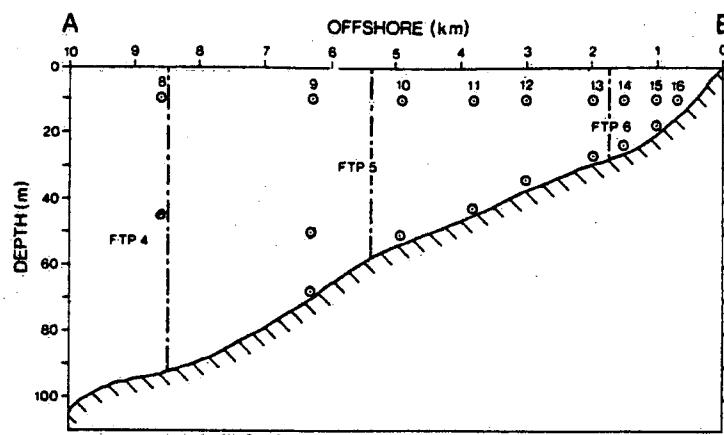


DEPTH: 10 m

\*DIRECTION TOWARDS



DEPTH: m

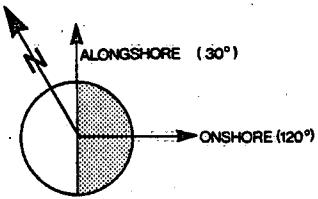


MOORING 11

AUGUST 1974

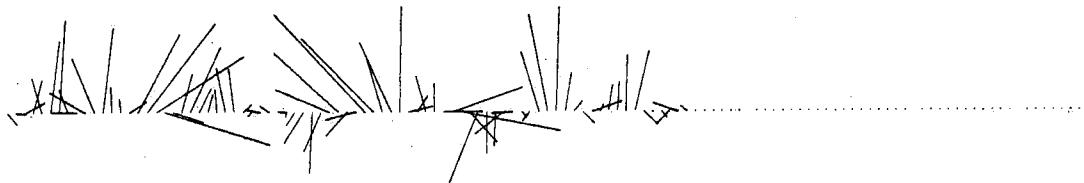
MOORING: 11

DATE: AUG 1974



WINDSPEED<sup>2</sup>

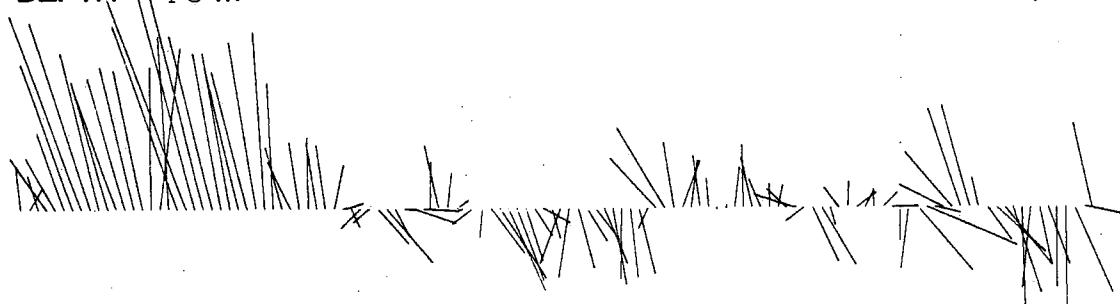
0      40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: 40 m

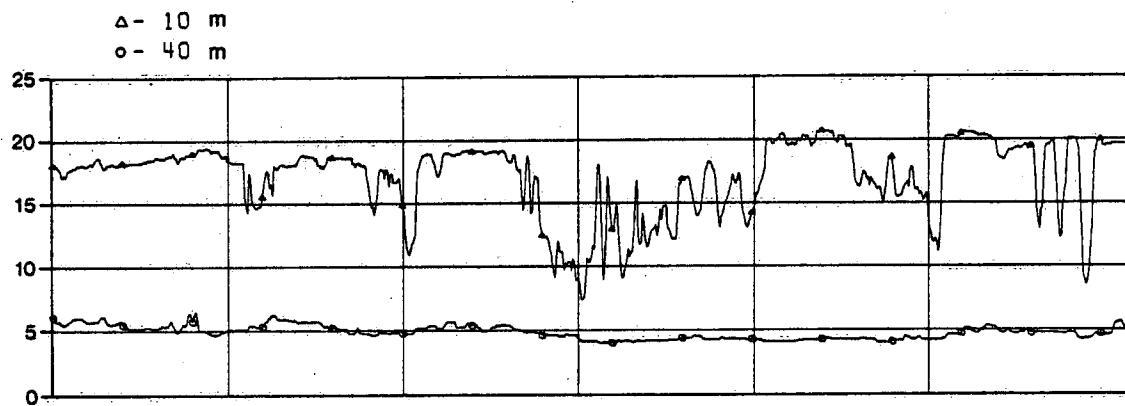


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

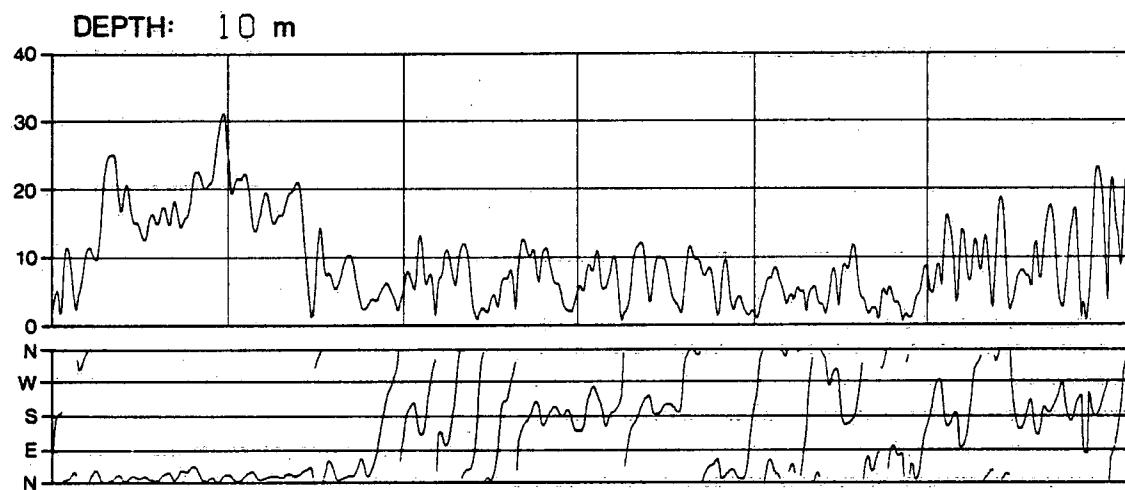
MOORING: 11

DATE: AUG 1974

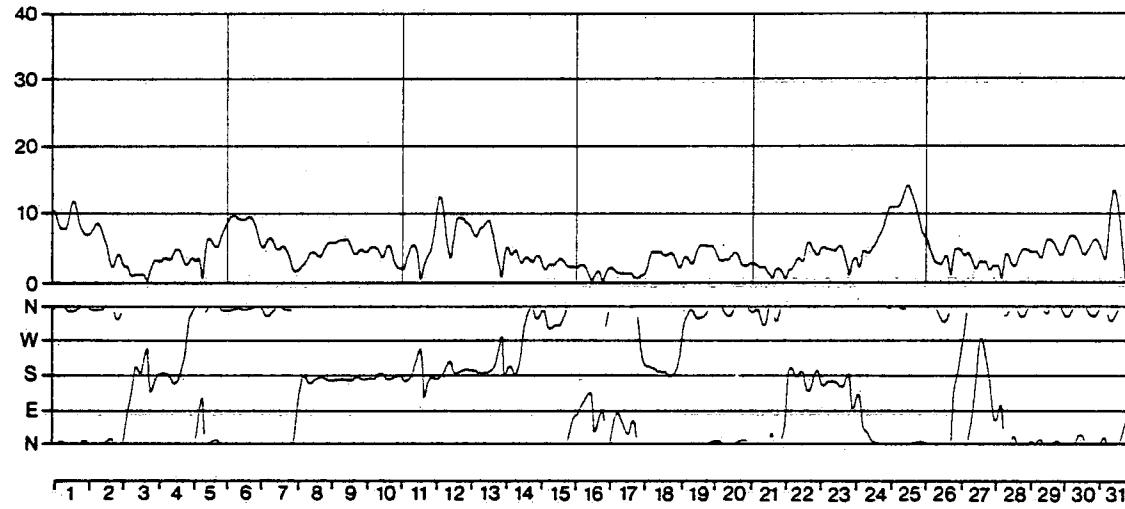
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 40 m

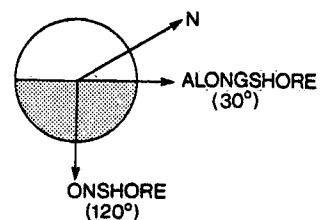
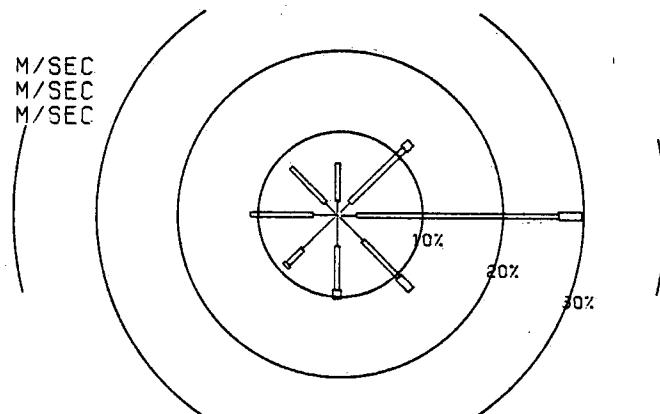


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11 DATE: AUG 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

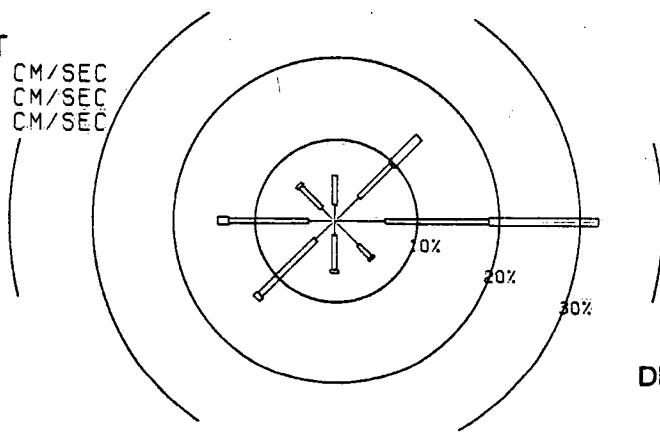
WIND

—	0-3	M/SEC
—	3-7	M/SEC
—	$\geq$ 7	M/SEC

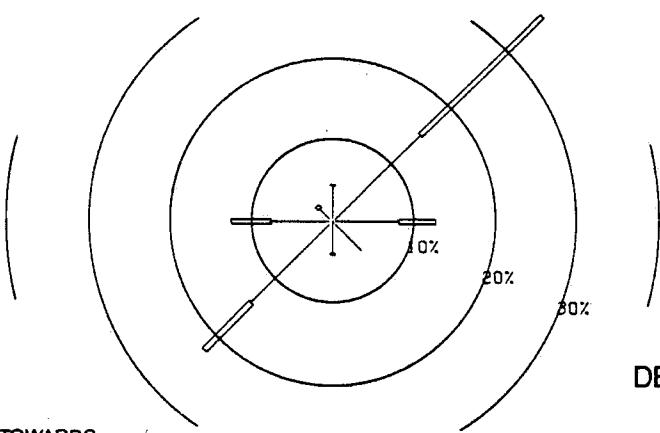


CURRENT

—	0-5	CM/SEC
—	5-15	CM/SEC
—	$\geq$ 15	CM/SEC

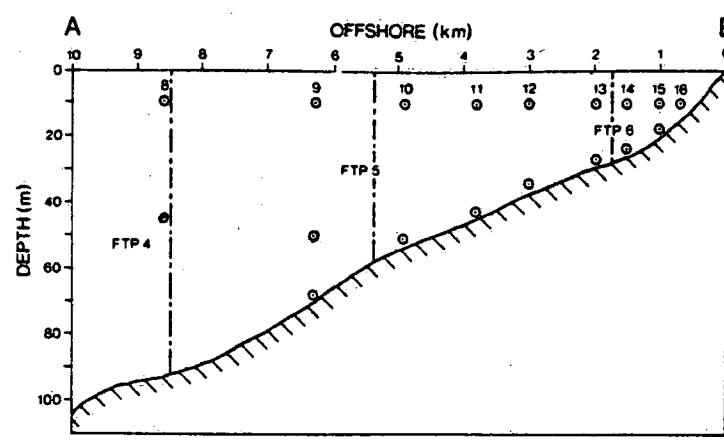


DEPTH: 10 m



DEPTH: 40 m

\*DIRECTION TOWARDS

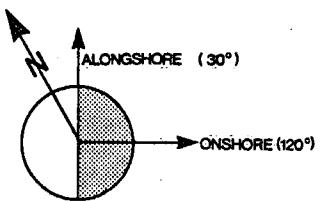


MOORING 12

AUGUST 1974

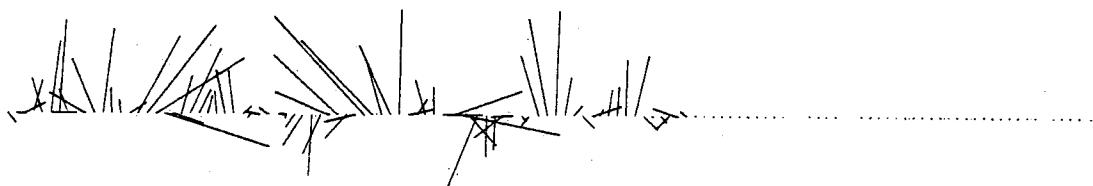
MOORING: 12

DATE: AUG 1974



WINDSPEED<sup>2</sup>

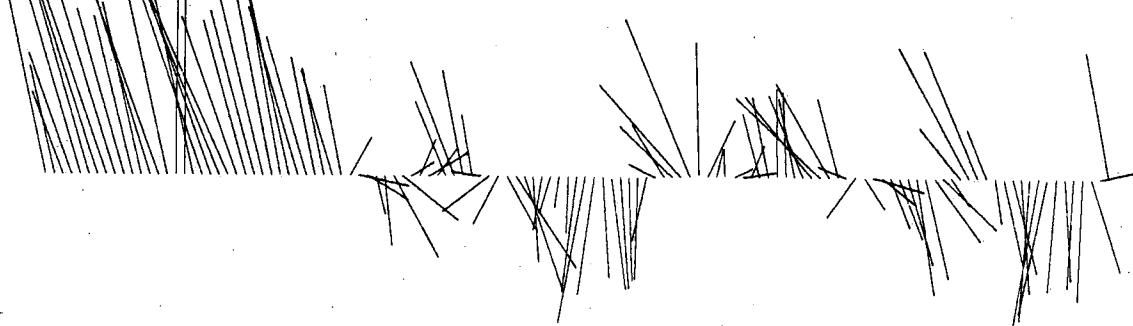
0 40 m<sup>2</sup>/sec<sup>2</sup>



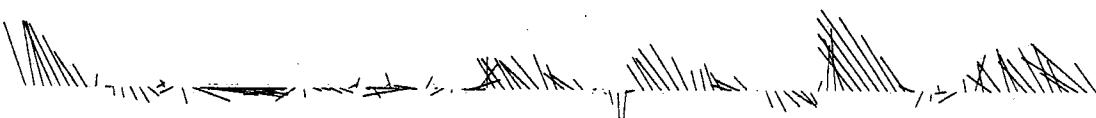
DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 35 m



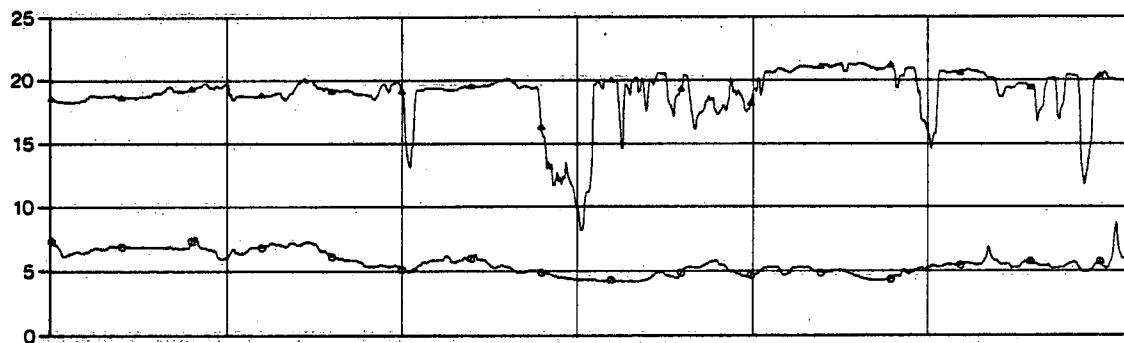
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12

DATE: AUG 1974

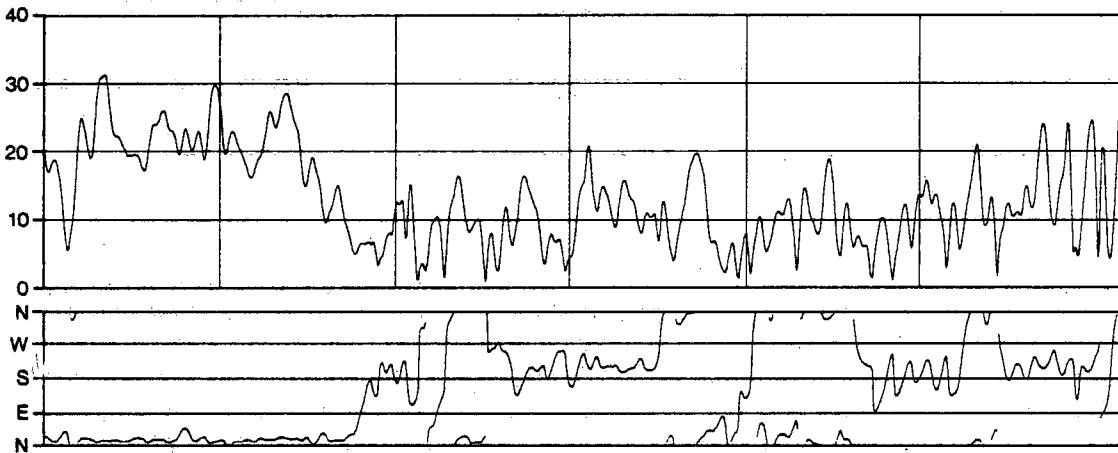
TEMPERATURE °C

△ - 10 m  
○ - 35 m

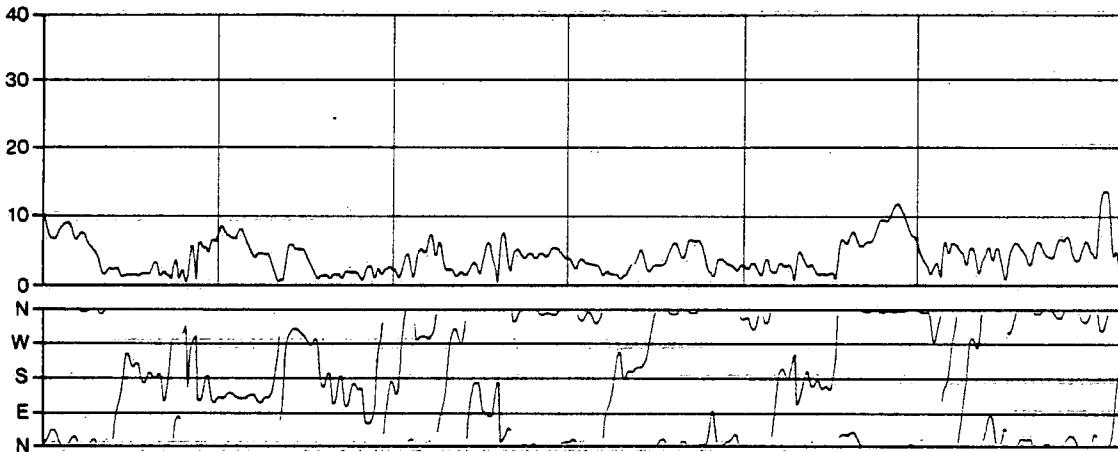


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m

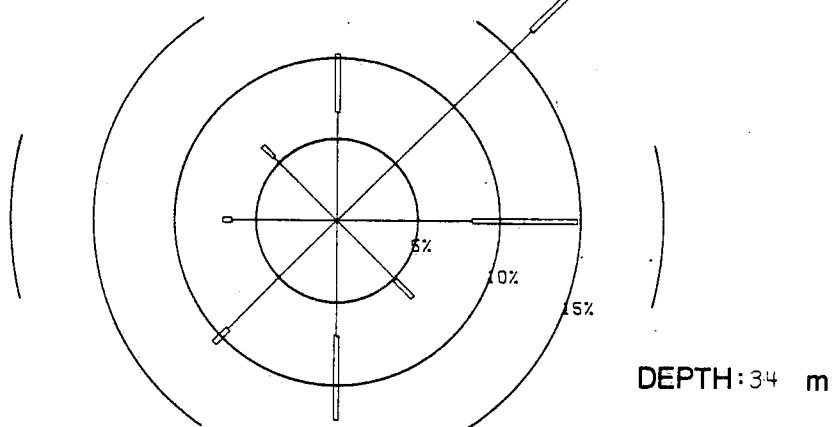
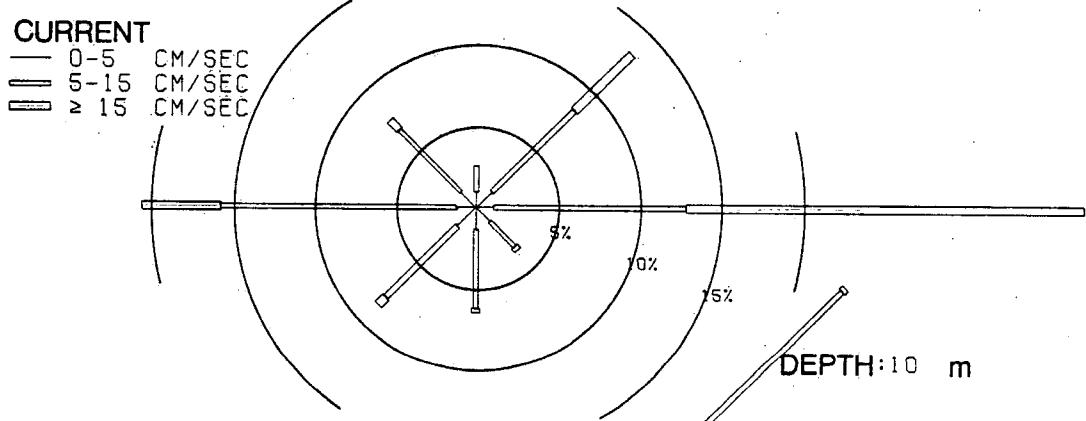
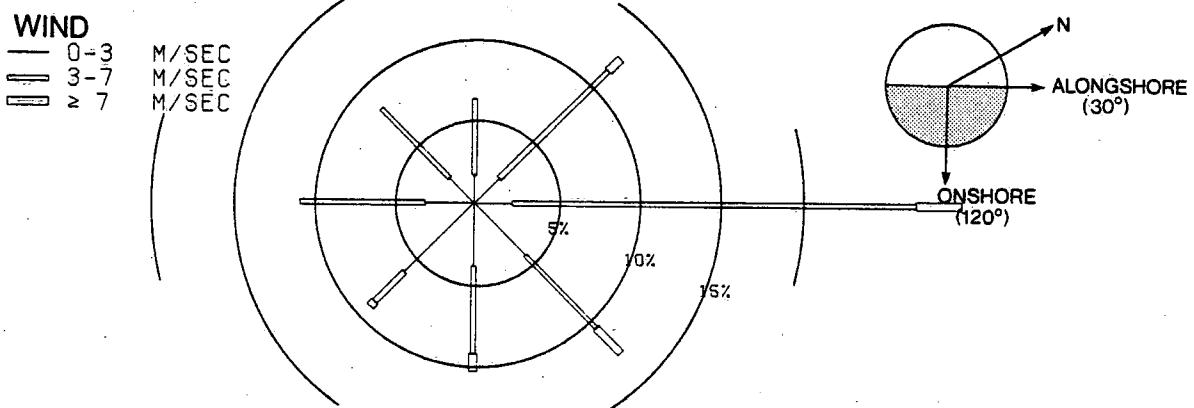


DEPTH: 35 m

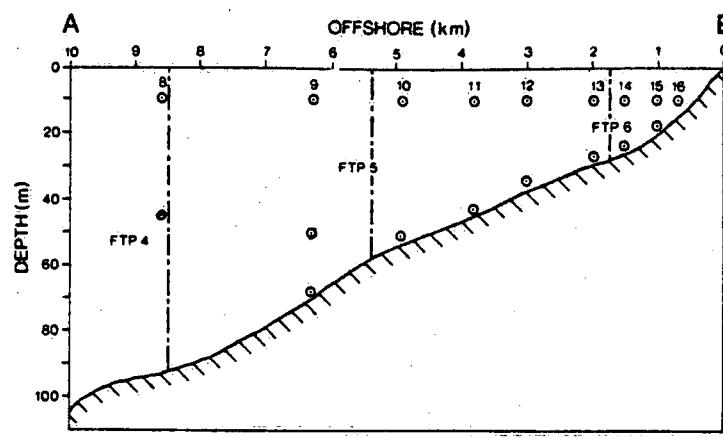


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 12 DATE: AUG 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*



\*DIRECTION TOWARDS

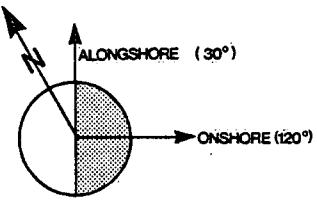


MOORING 13

AUGUST 1974

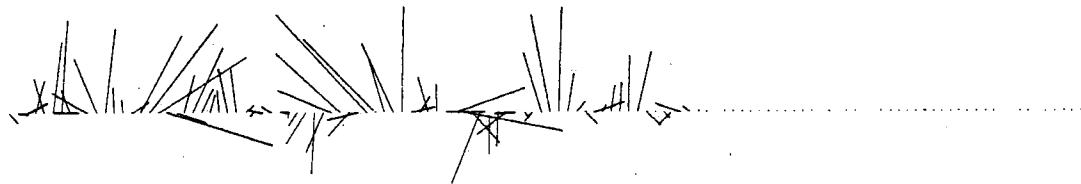
MOORING: 13

DATE: AUG 1974



WINDSPEED<sup>2</sup>

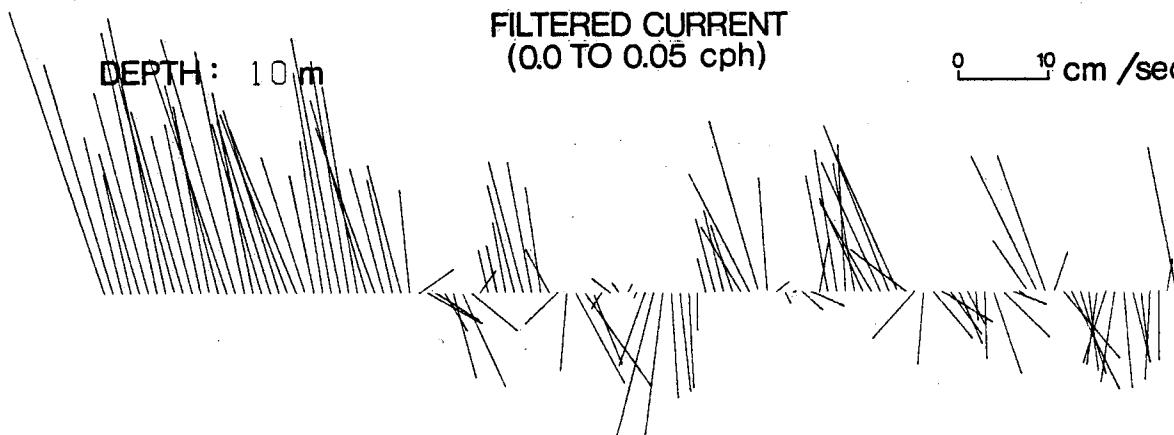
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 28 m



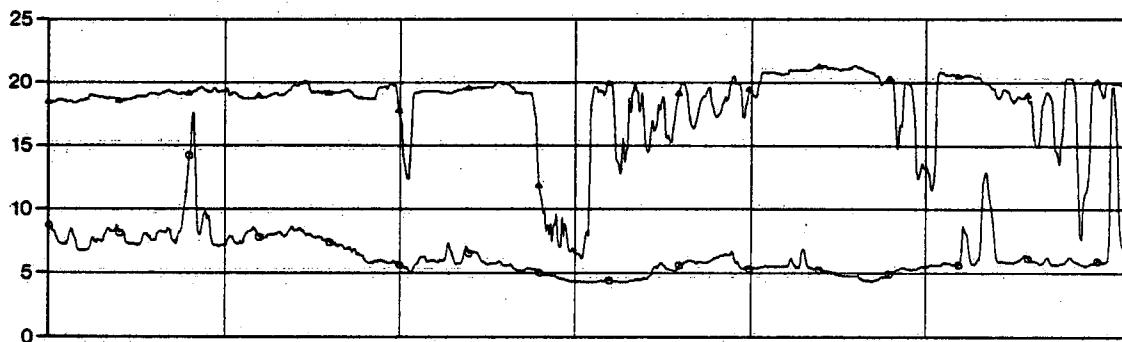
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 13

DATE: AUG 1974

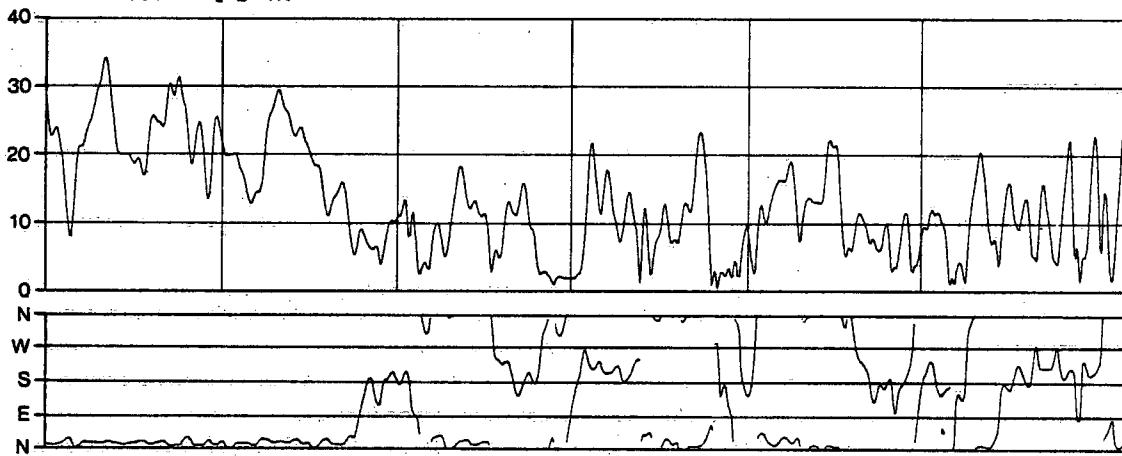
TEMPERATURE °C

△ - 10 m  
○ - 28 m

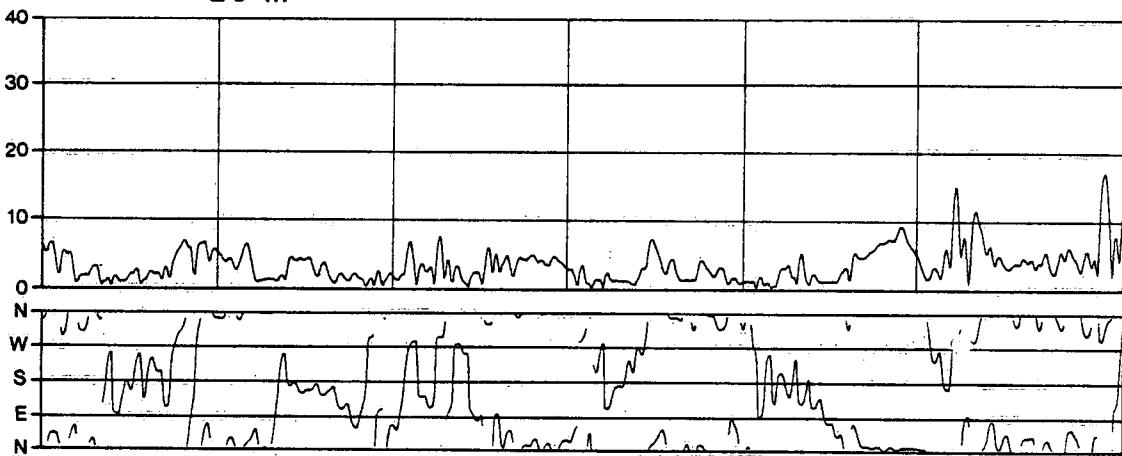


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 28 m



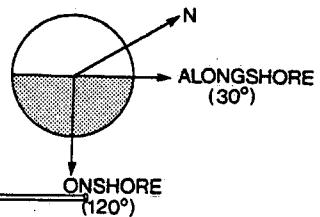
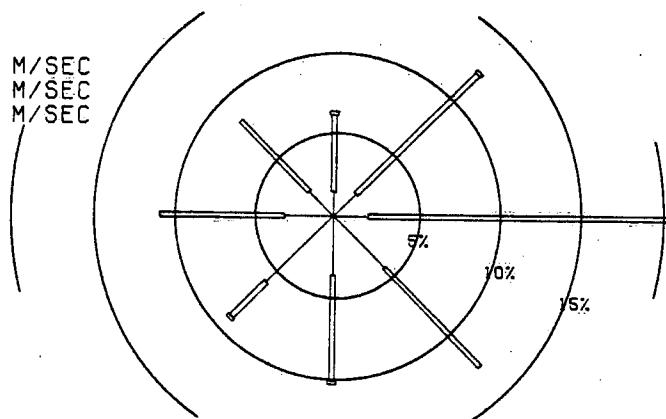
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 13

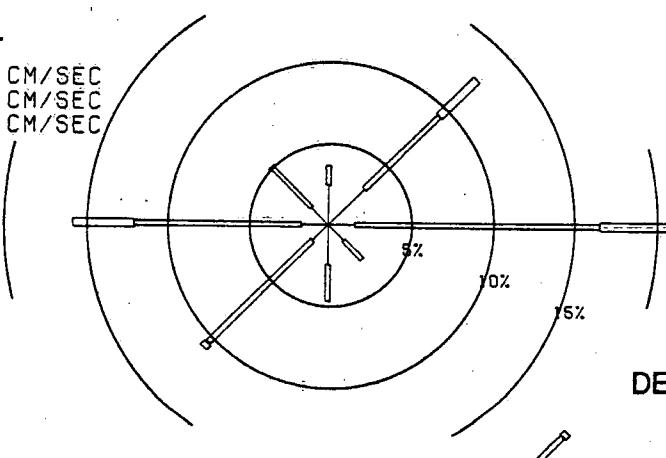
DATE: AUG 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

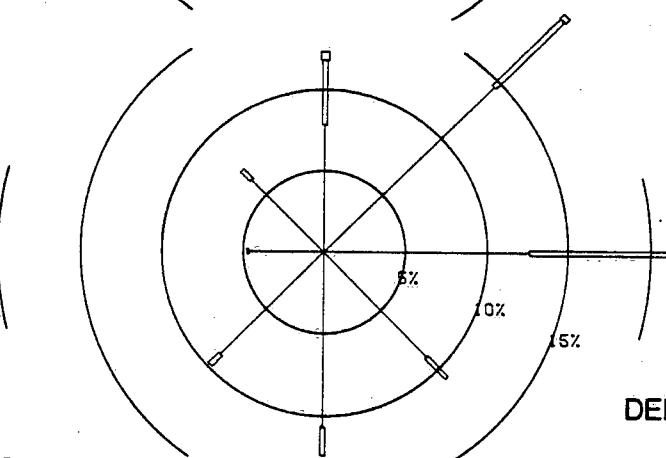
WIND  
— 0-3 M/SEC  
— 3-6 M/SEC  
— ≥ 6 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

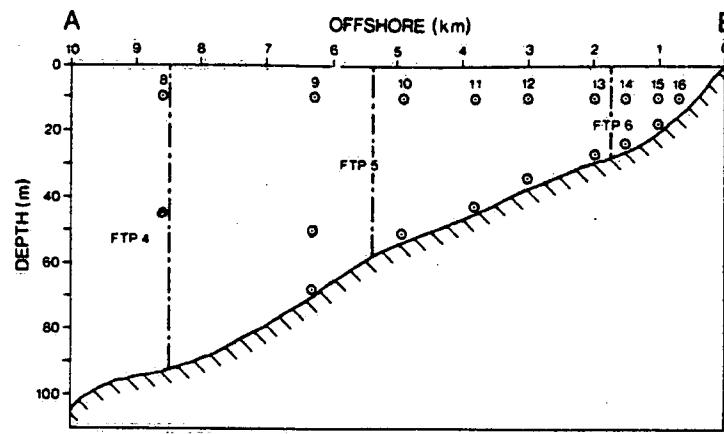


DEPTH: 10 m



DEPTH: 28 m

\*DIRECTION TOWARDS

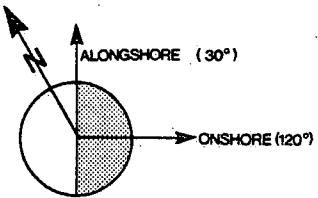


MOORING 14

AUGUST 1974

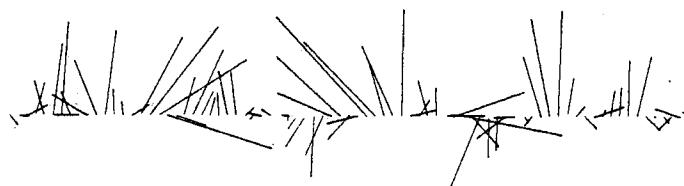
MOORING: 14

DATE: AUG 1974



WINDSPEED<sup>2</sup>

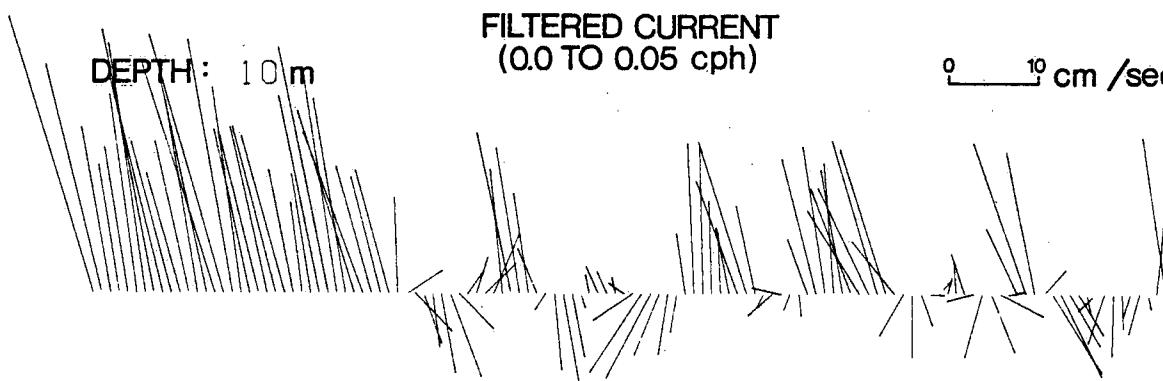
0 40 m<sup>2</sup>/sec<sup>2</sup>



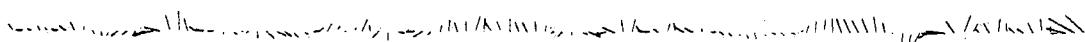
DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 27 m



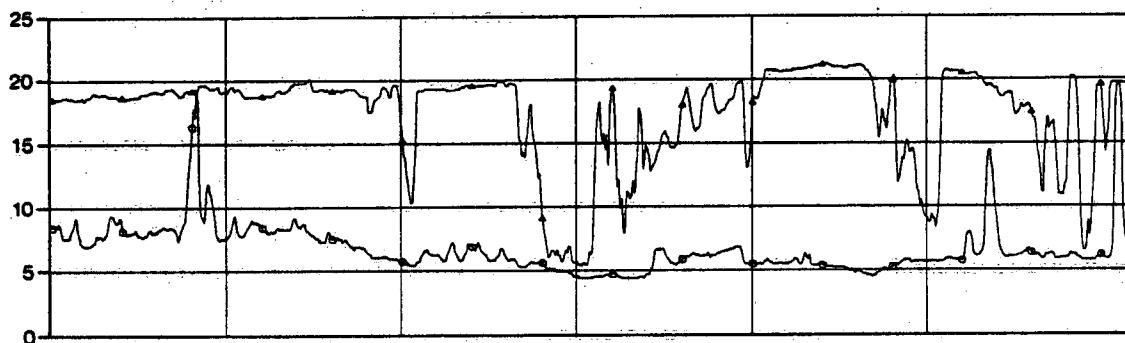
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 14

DATE: AUG 1974

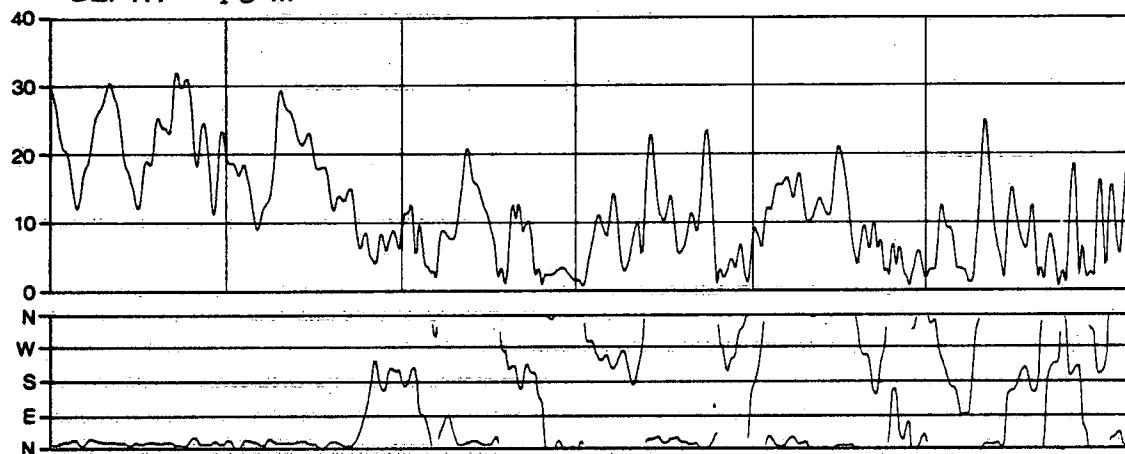
TEMPERATURE °C

△ - 10 m  
○ - 27 m

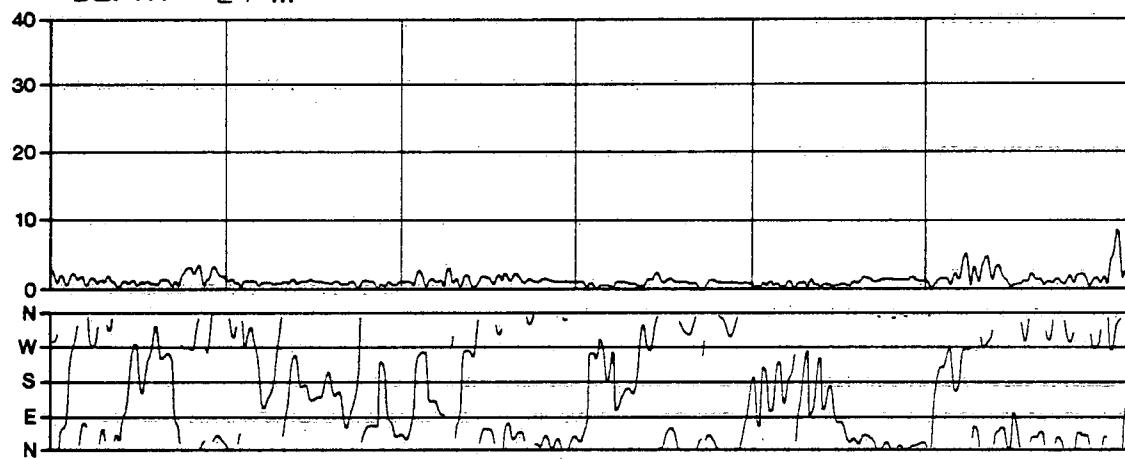


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



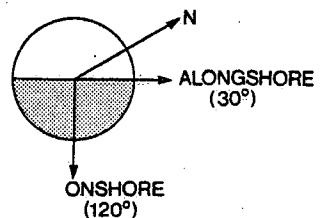
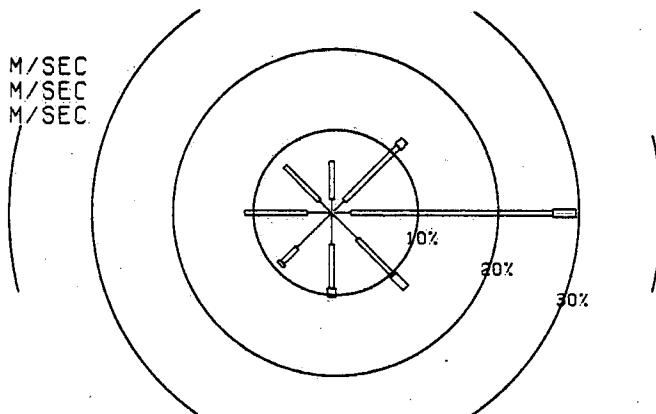
DEPTH: 27 m



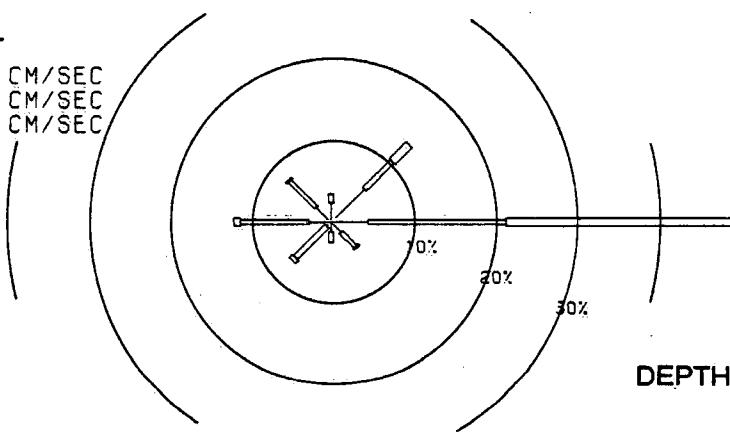
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14 DATE: AUG 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

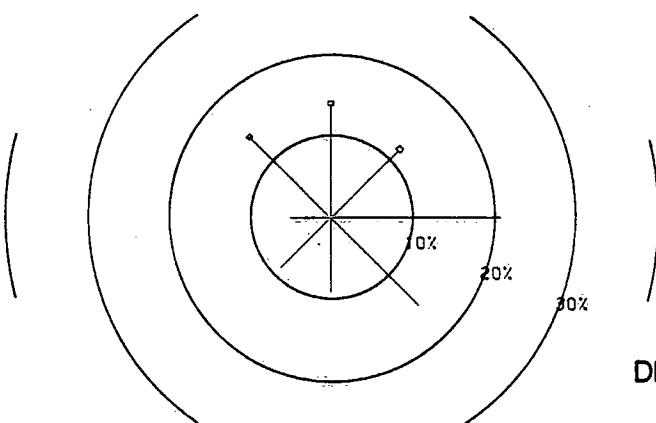
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

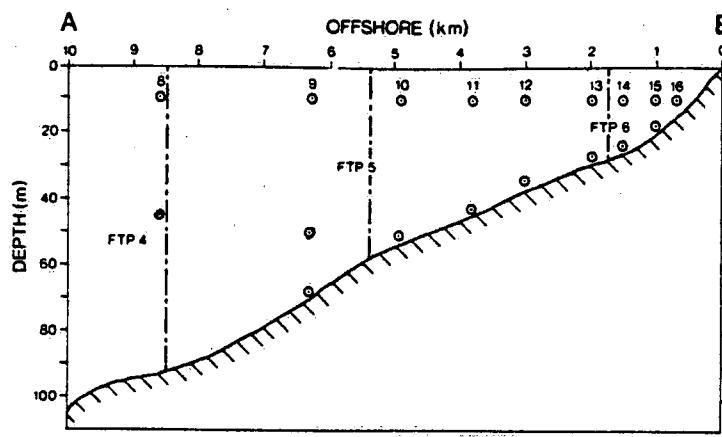


DEPTH: 10 m



DEPTH: 27 m

\*DIRECTION TOWARDS

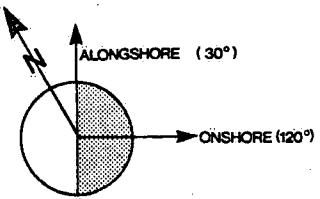


MOORING 15

AUGUST 1974

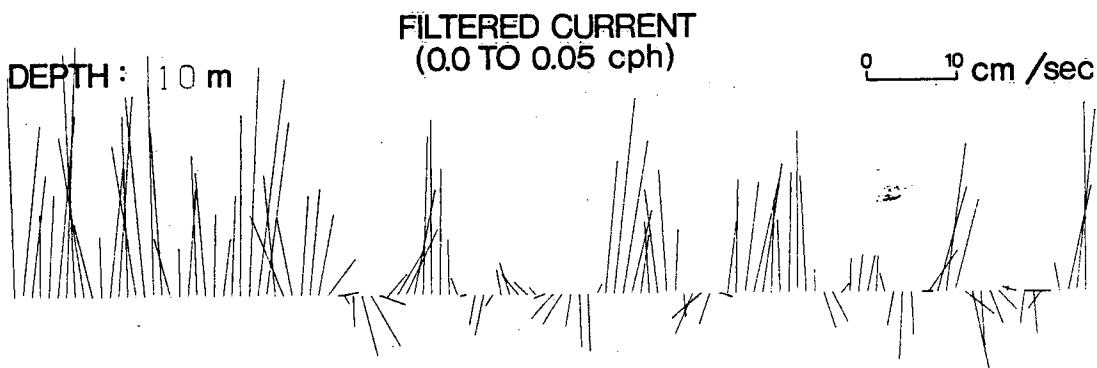
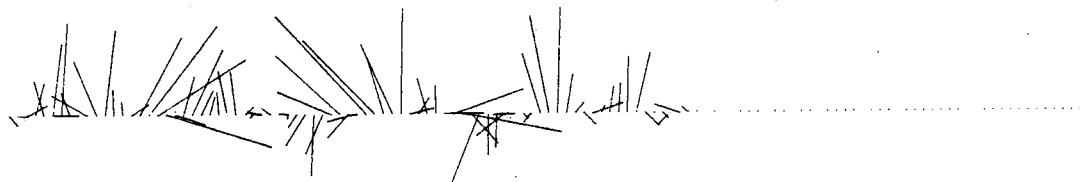
MOORING: 15

DATE: AUG 1974

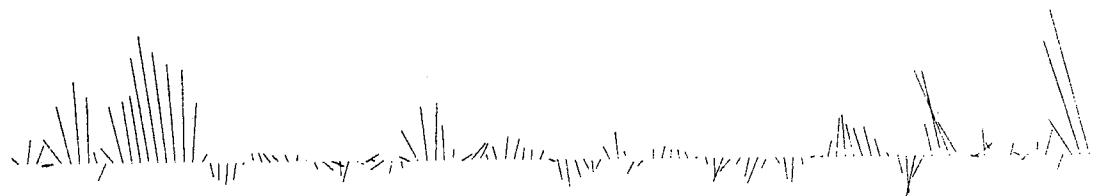


WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 19 m



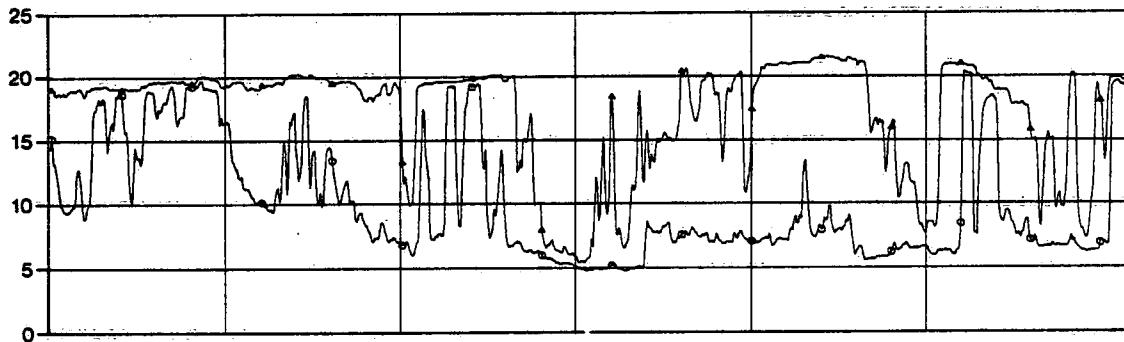
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 15

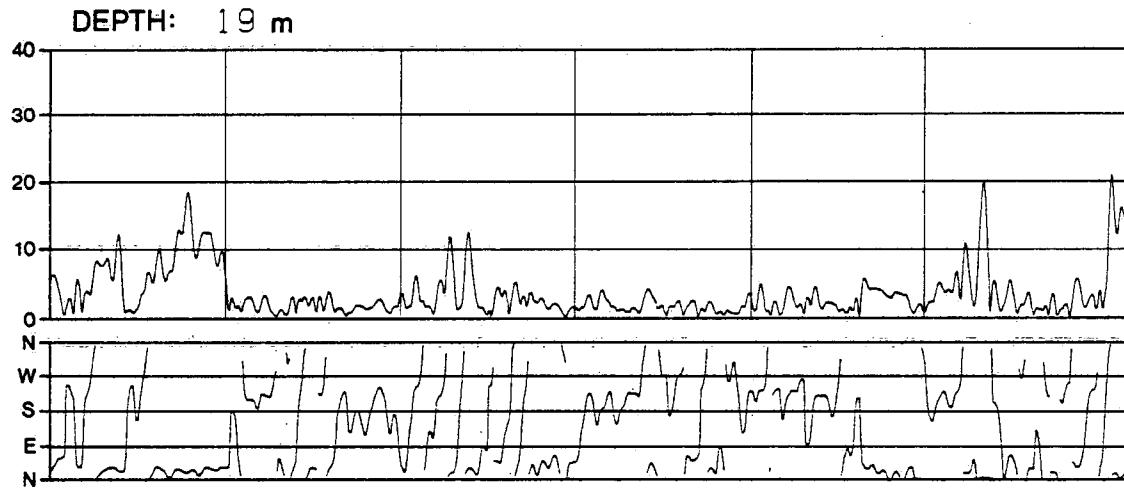
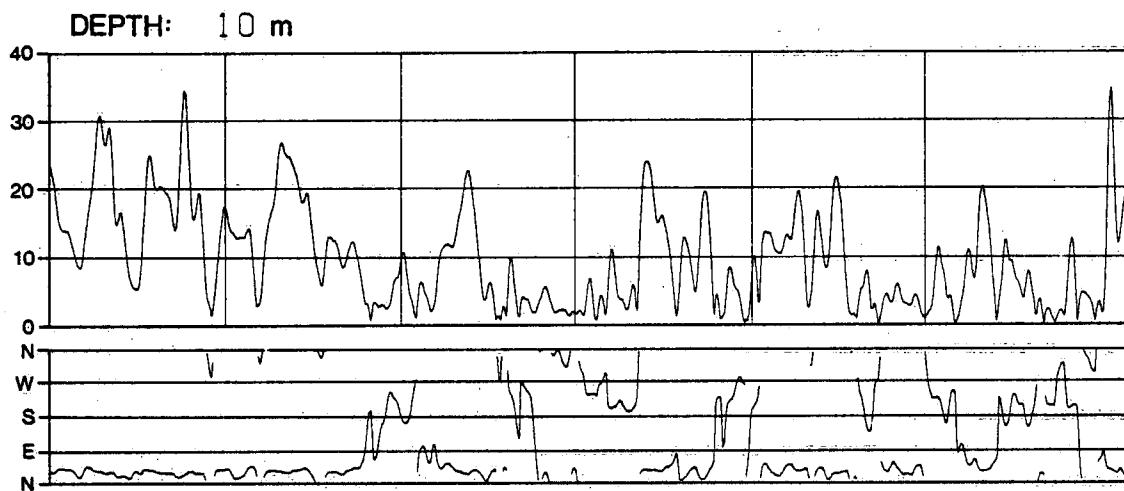
DATE: AUG 1974

TEMPERATURE °C

△ - 10 m  
○ - 19 m



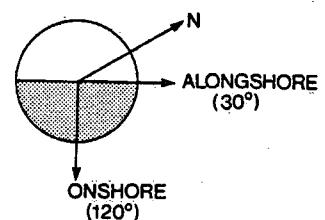
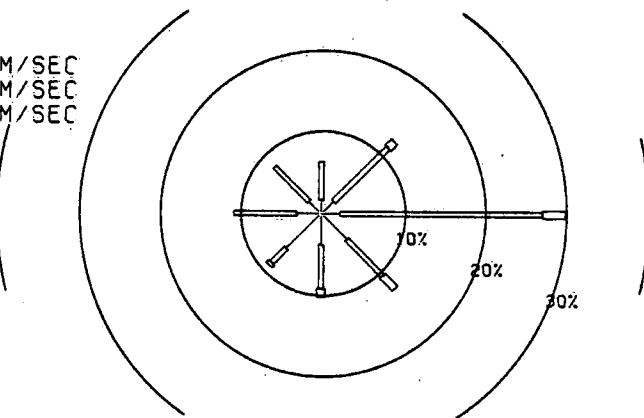
FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



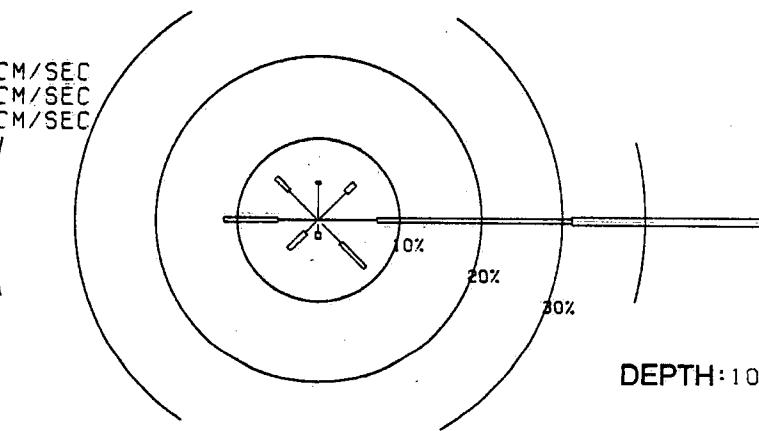
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 15 DATE: AUG 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

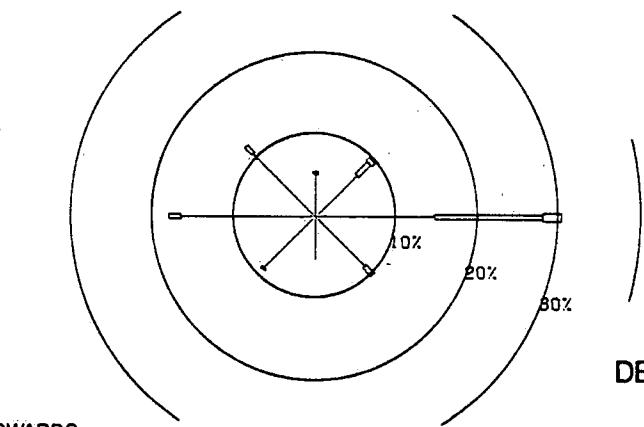


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

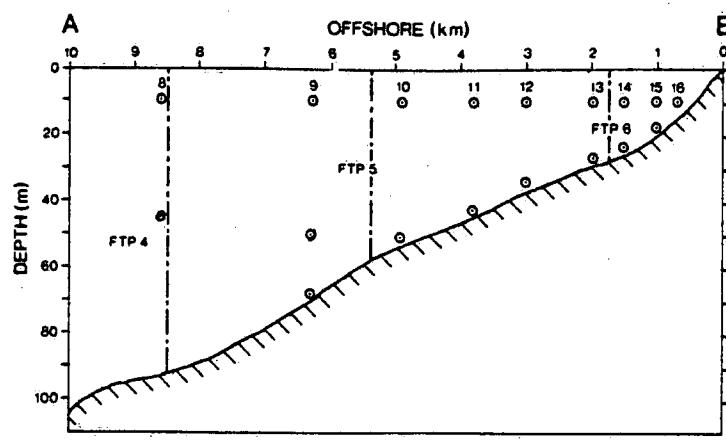


DEPTH: 10 m

\*DIRECTION TOWARDS



DEPTH: 19 m

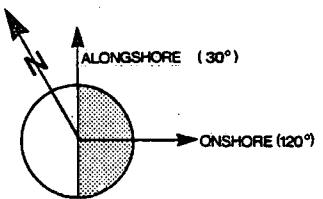


MOORING 16

AUGUST 1974

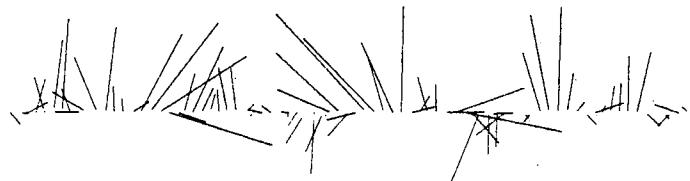
MOORING: 16

DATE: AUG 1974



WINDSPEED<sup>2</sup>

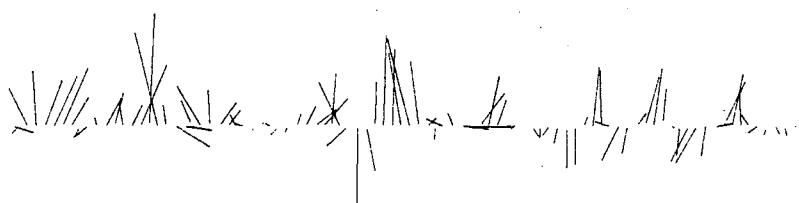
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

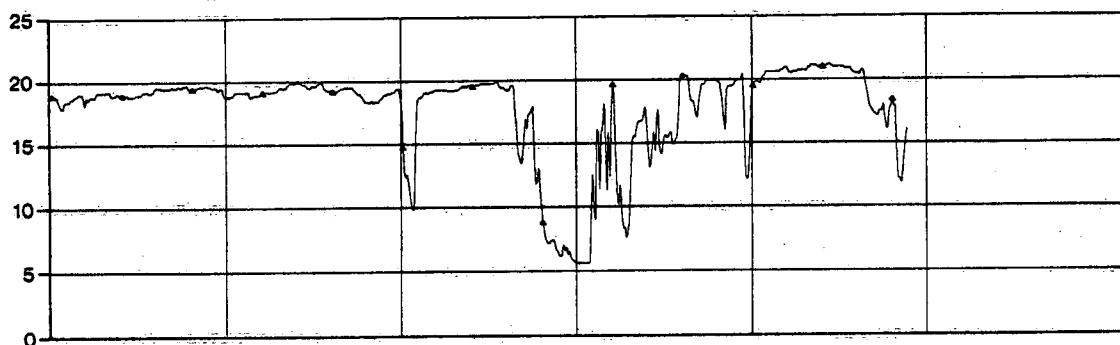
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 16

DATE: AUG 1974

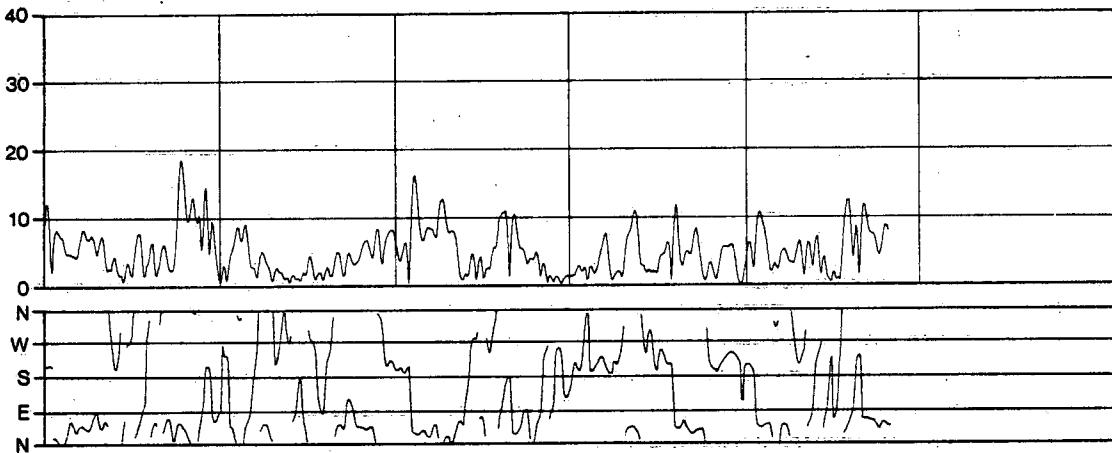
TEMPERATURE °C

△ - 10 m  
○ - m

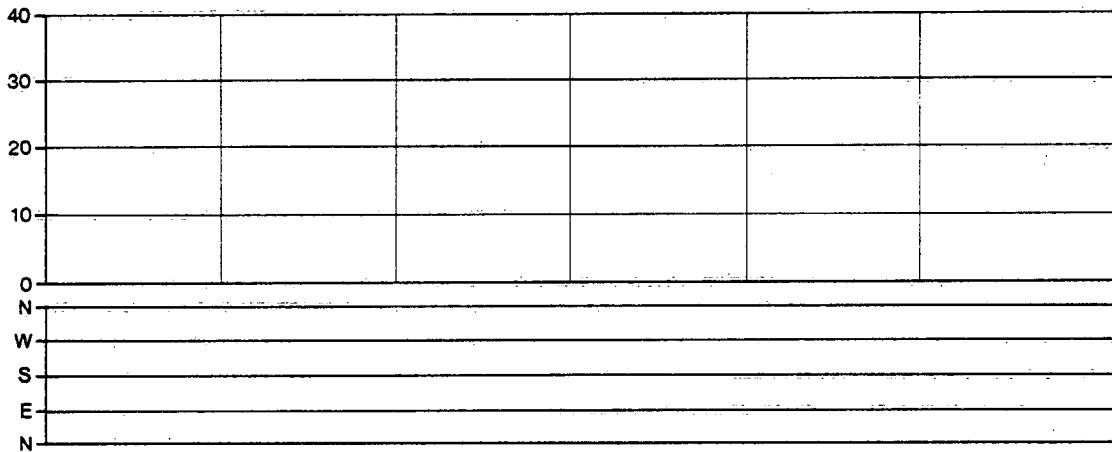


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: m



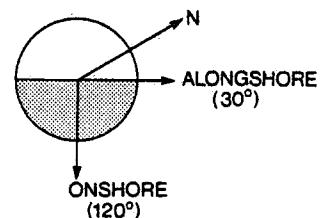
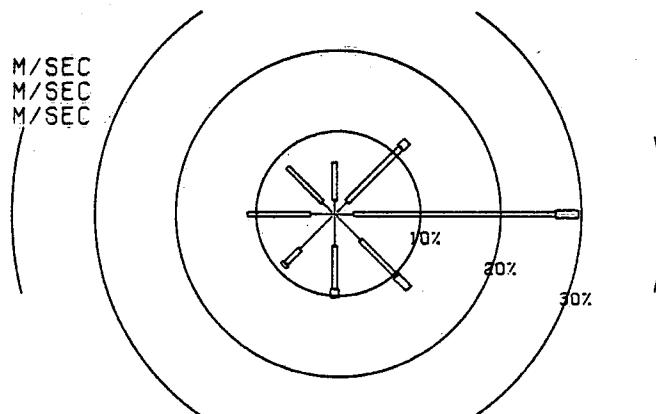
'1 '2 '3 '4 '5 '6 '7 '8 '9 '10 '11 '12 '13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31

MOORING: 16

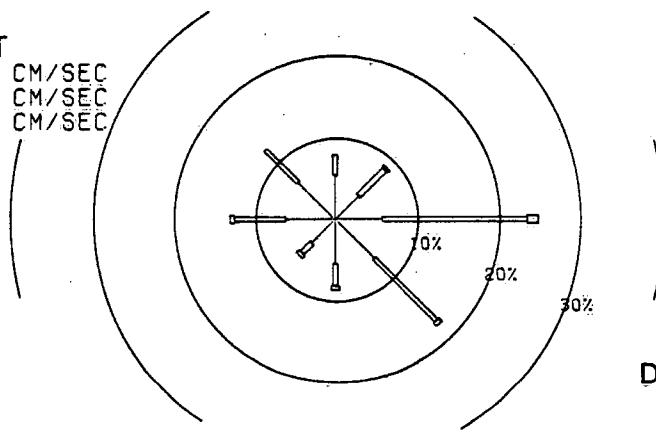
DATE: AUG 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

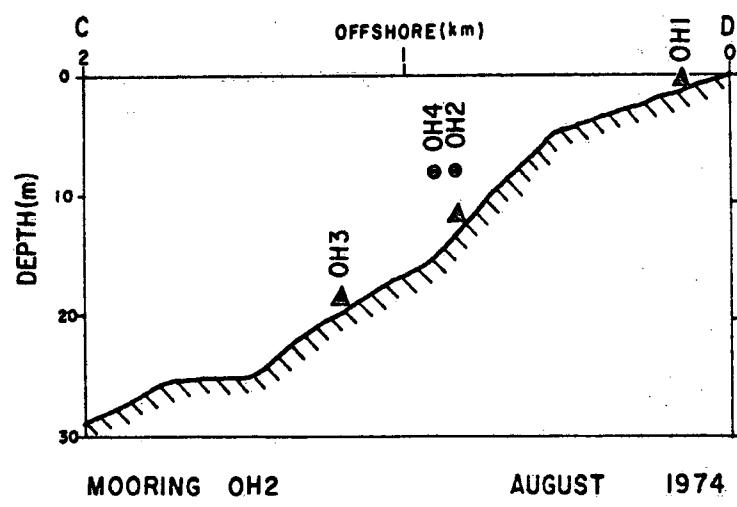


CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



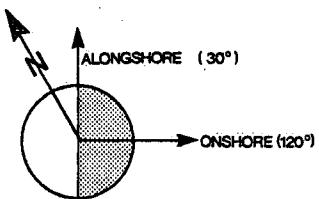
DEPTH: 10 m

\*DIRECTION TOWARDS



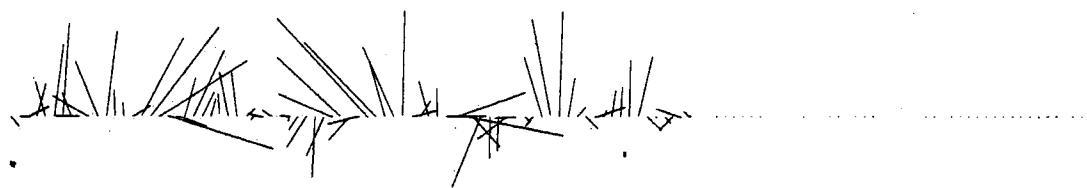
MOORING: OH2

DATE: AUG 1974



WINDSPEED<sup>2</sup>

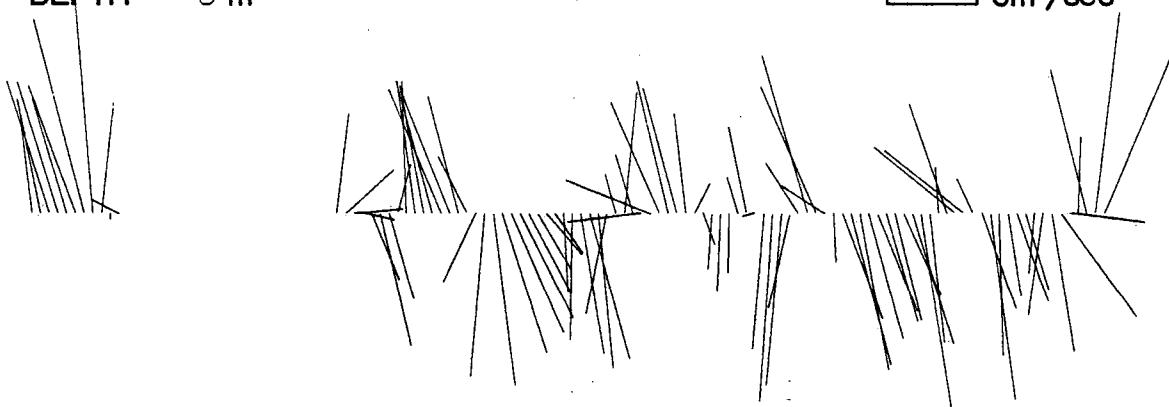
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

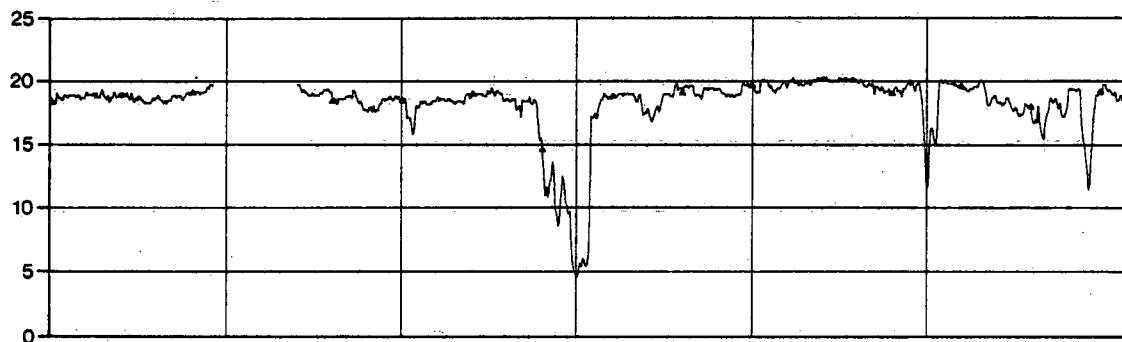
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH2

DATE: AUG 1974

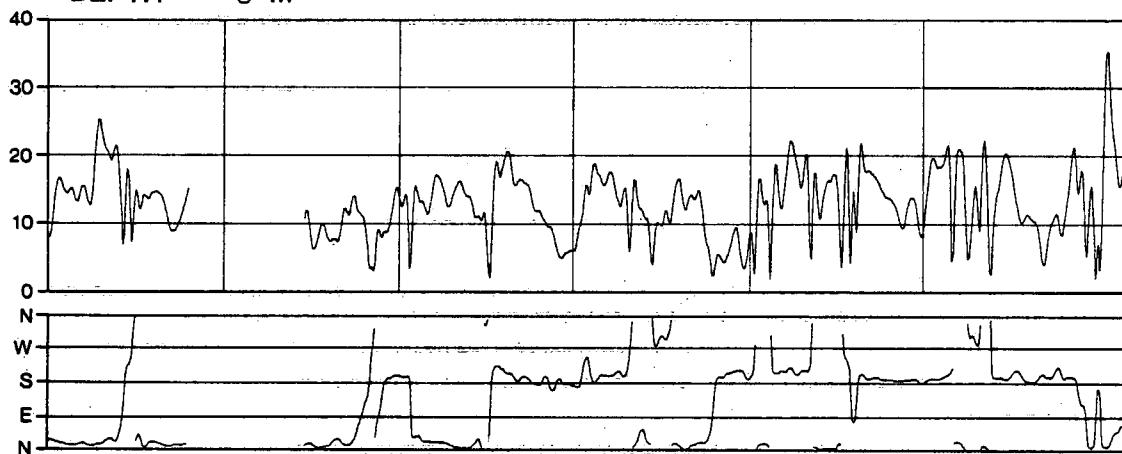
TEMPERATURE °C

△ - 8 m  
○ - m

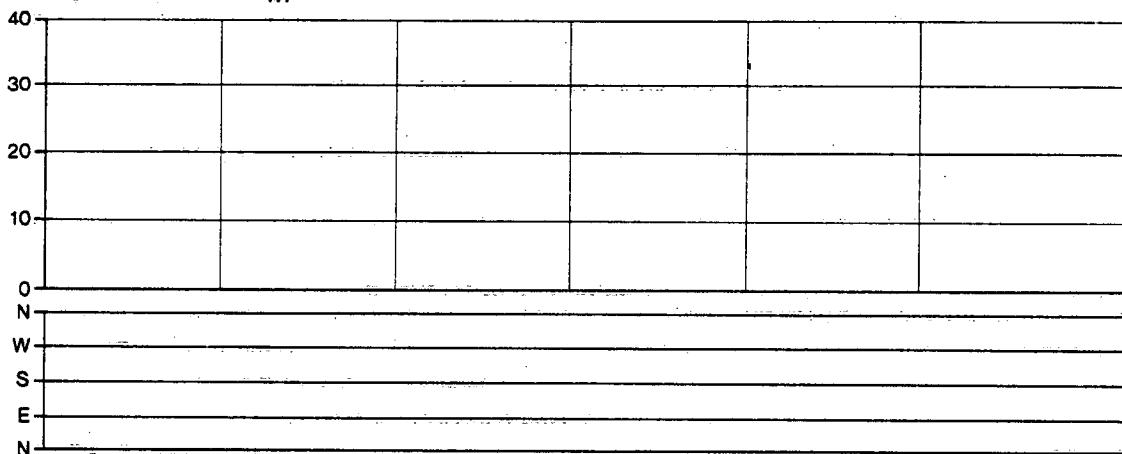


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 8 m

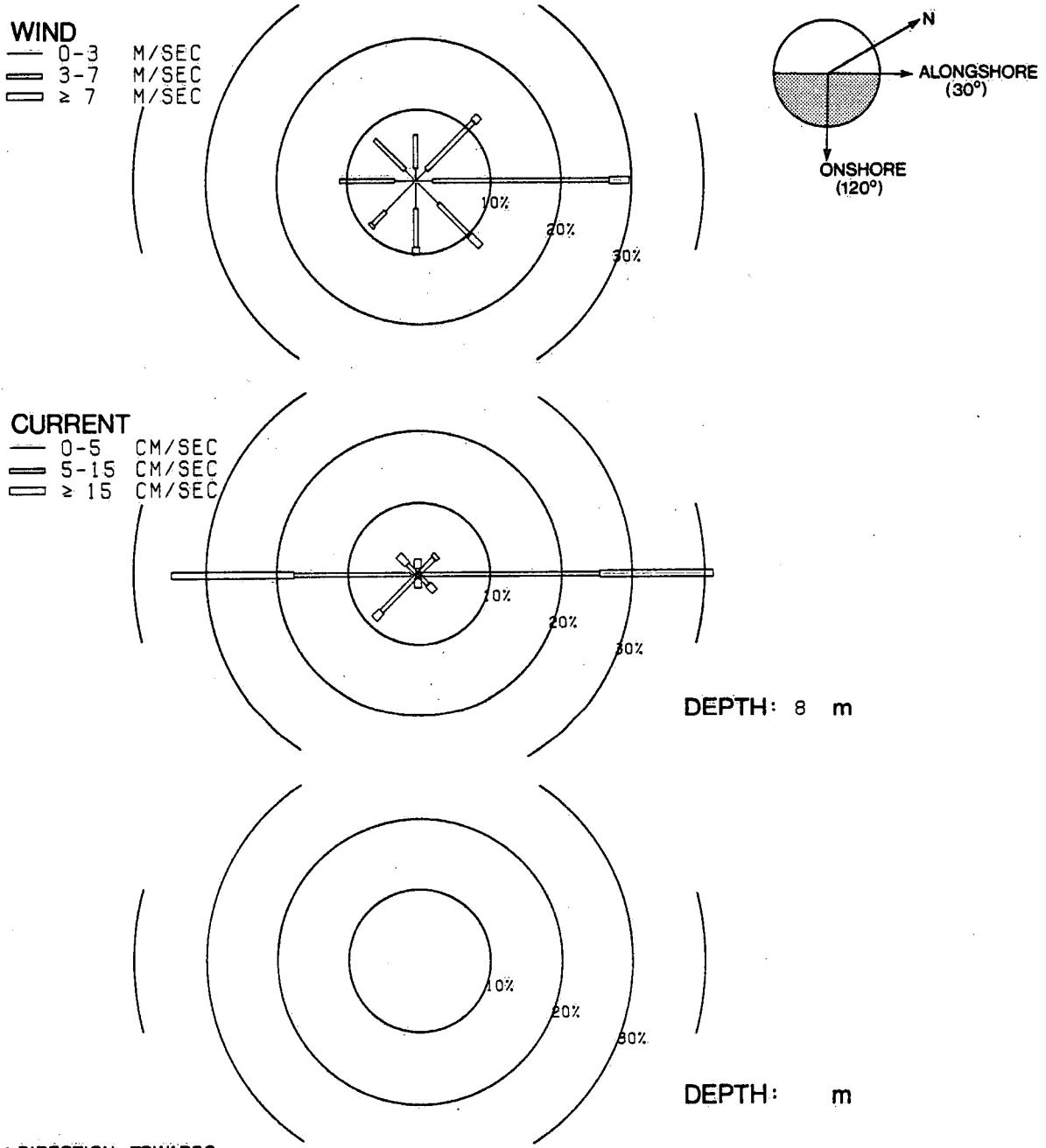


DEPTH: m

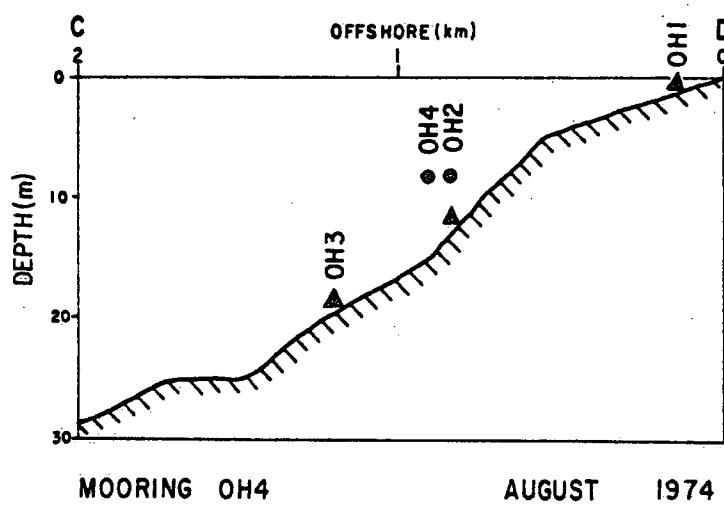


'1' '2' '3' '4' '5' '6' '7' '8' '9' '10' '11' '12' '13' '14' '15' '16' '17' '18' '19' '20' '21' '22' '23' '24' '25' '26' '27' '28' '29' '30' '31'

MOORING: OH2 DATE: AUG 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

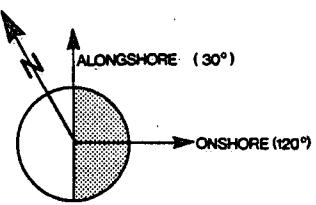


\*DIRECTION TOWARDS



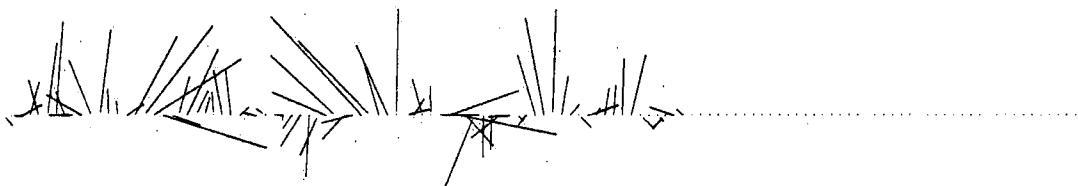
MOORING: OH4

DATE: AUG 1974



WINDSPEED<sup>2</sup>

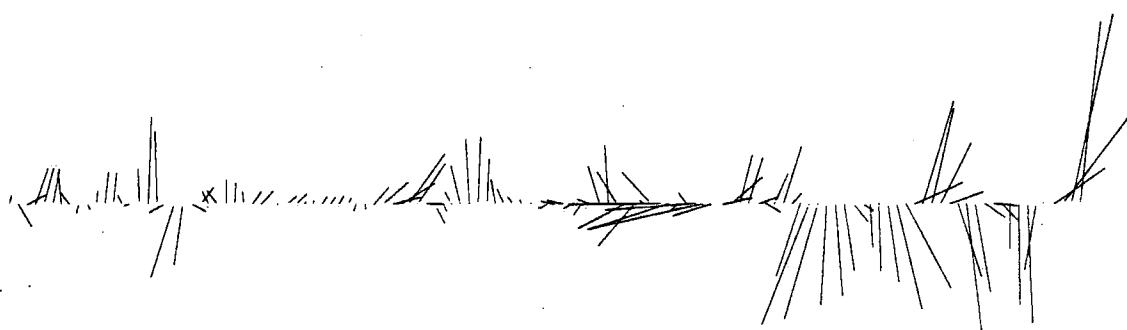
0 40 m<sup>2</sup>/sec<sup>2</sup>



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

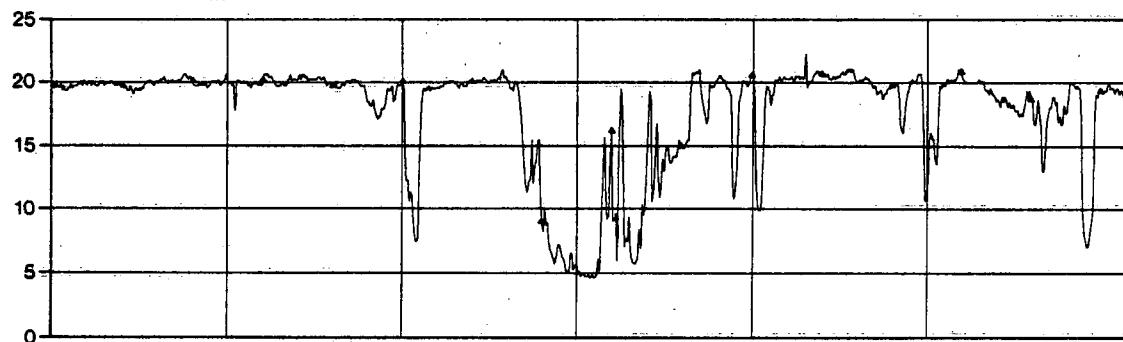
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH4

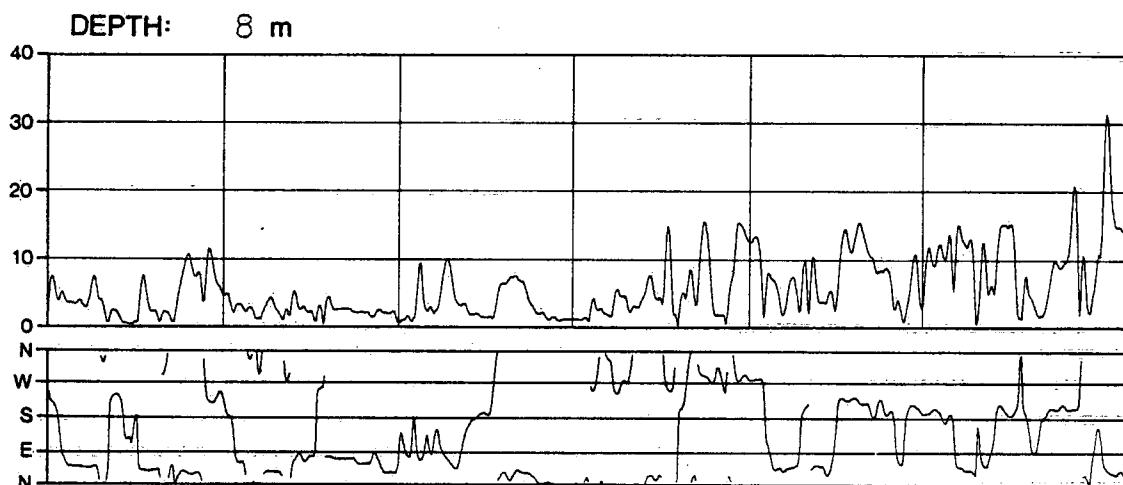
DATE: AUG 1974

TEMPERATURE °C

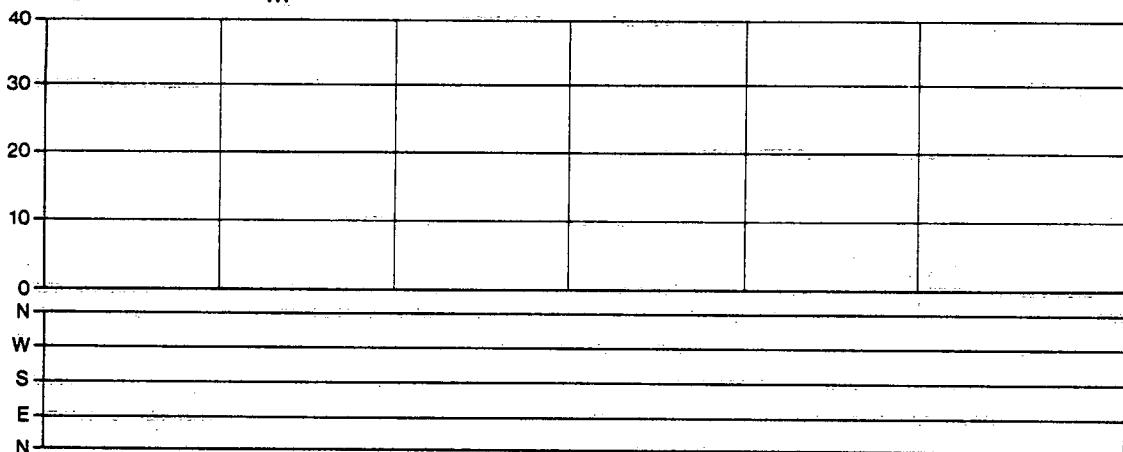
△ - 8 m  
○ - m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



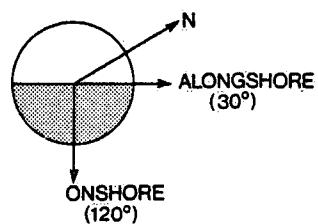
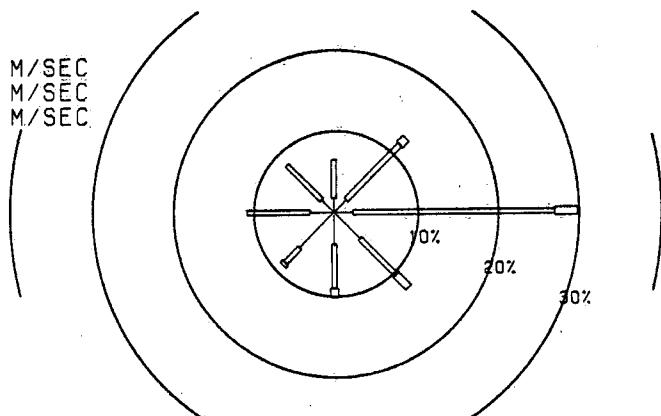
DEPTH: m



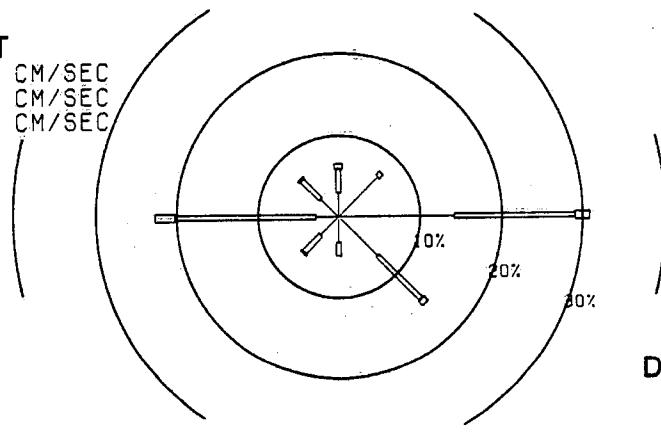
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: OH4 DATE: AUG 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

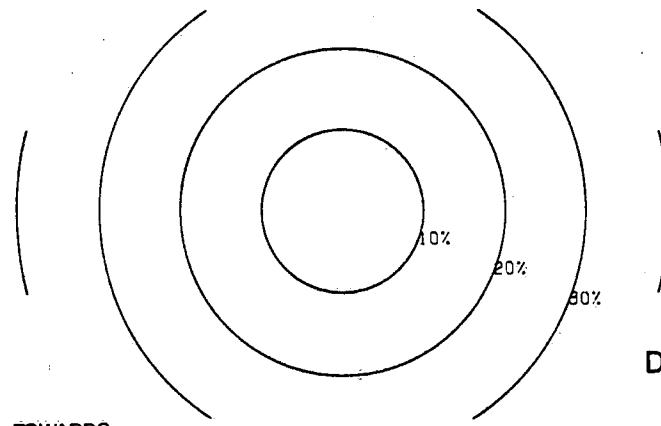
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



DEPTH: 8 m

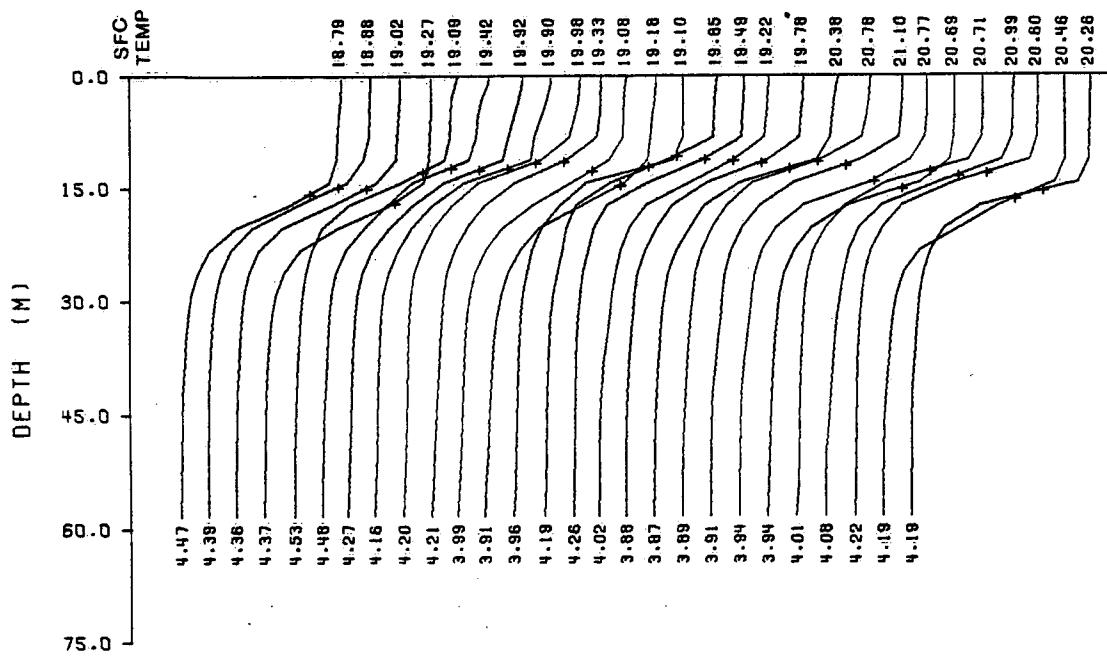


DEPTH: m

\*DIRECTION TOWARDS

## DAILY AVERAGED TEMPERATURE PROFILES

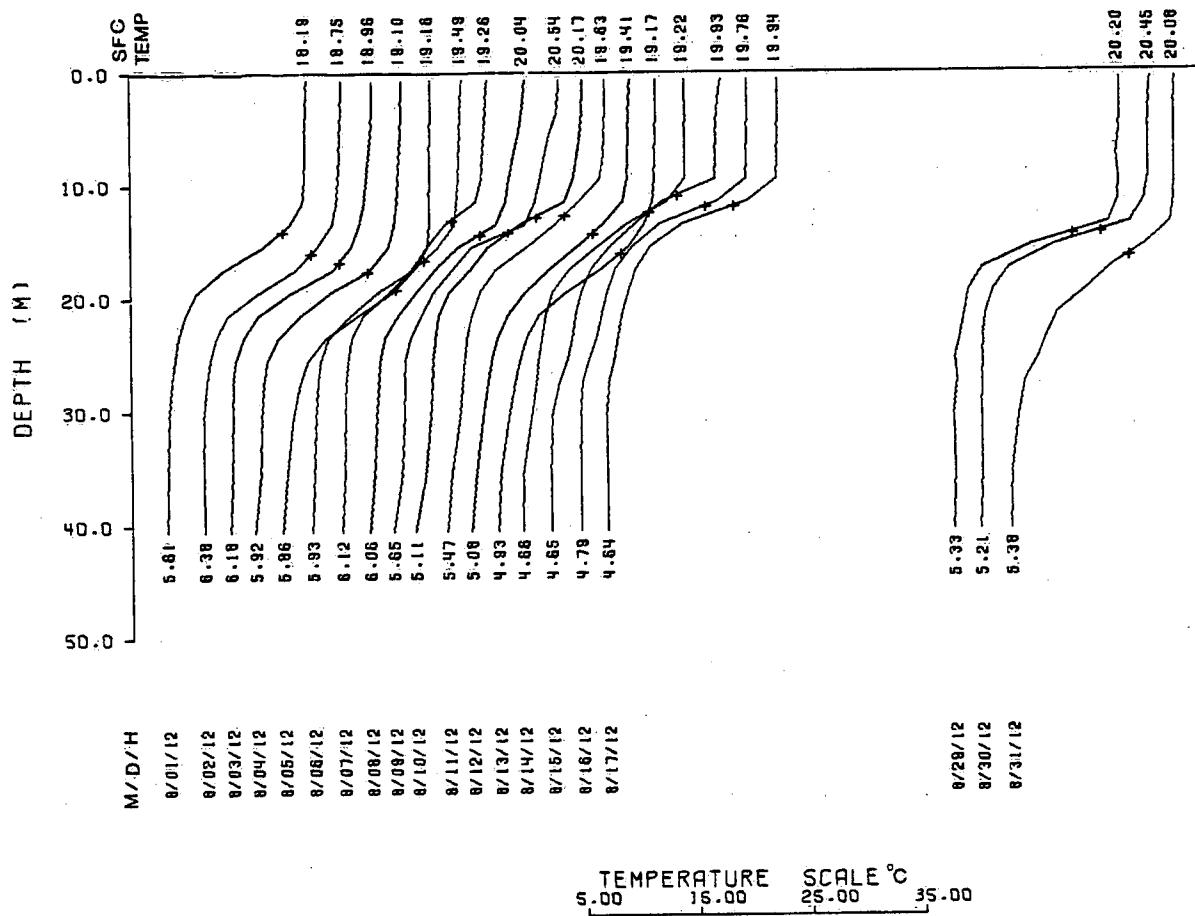
DATE - AUGUST 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 4  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



6.00      15.00      25.00      35.00  
 TEMPERATURE      SCALE °C

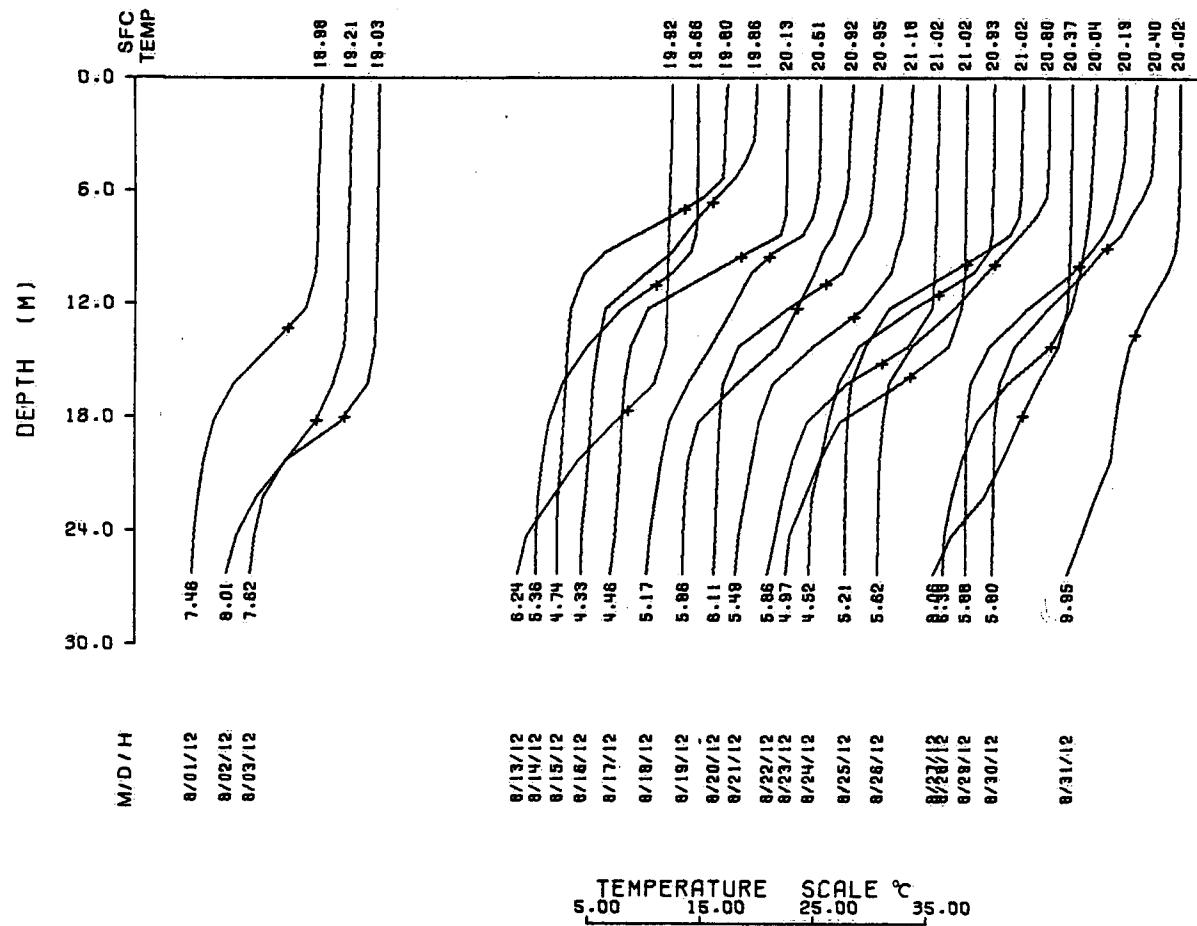
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - AUGUST 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - S  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



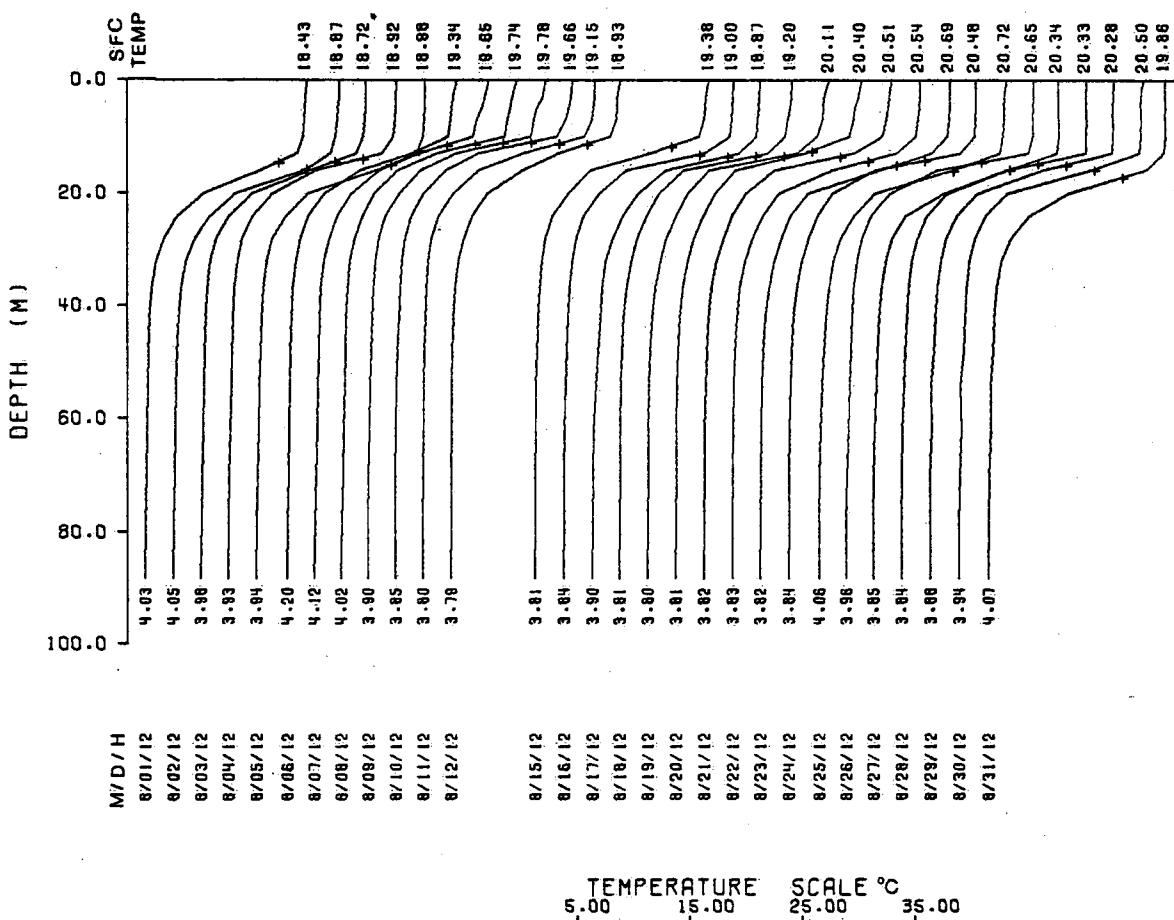
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - AUGUST 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 6  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



## DAILY AVERAGED TEMPERATURE PROFILES

DATE - AUGUST 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 HOORING - 7  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



**SEPTEMBER 1974**

# METEOROLOGICAL DATA

MOORING: 2

DATE: SEPT 1974

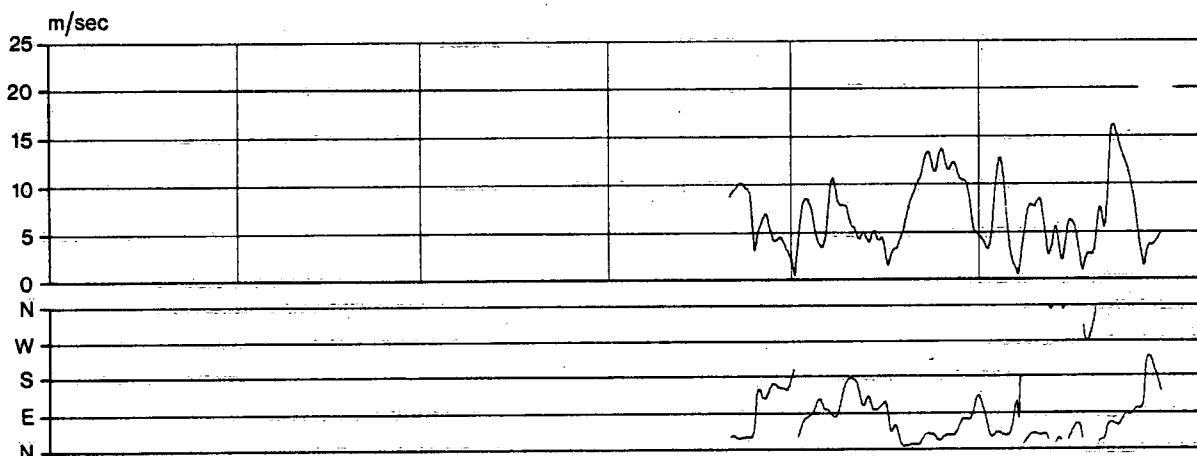
## FILTERED WIND (0.0-0.05 cph)

0      10 m/sec

N  
↑

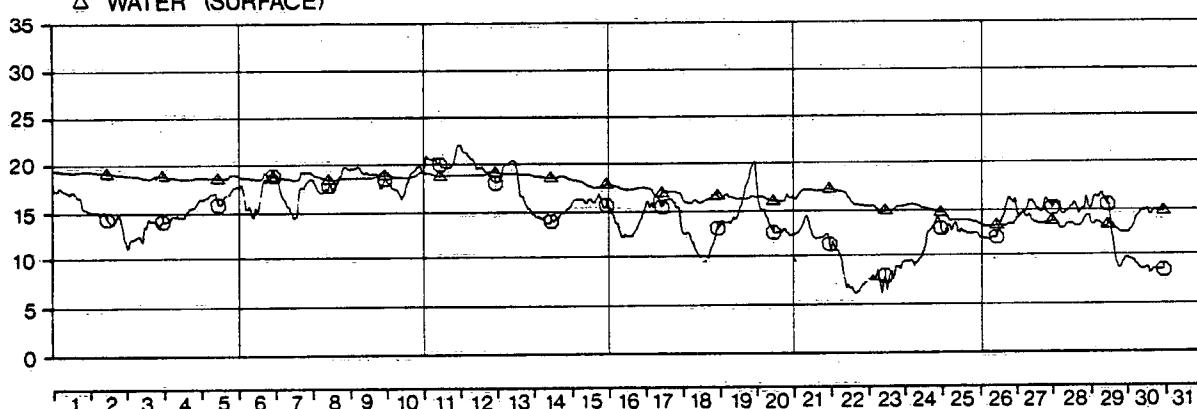


## FILTERED WIND (0.0-0.2 cph)\*



○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

## TEMPERATURE °C



## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

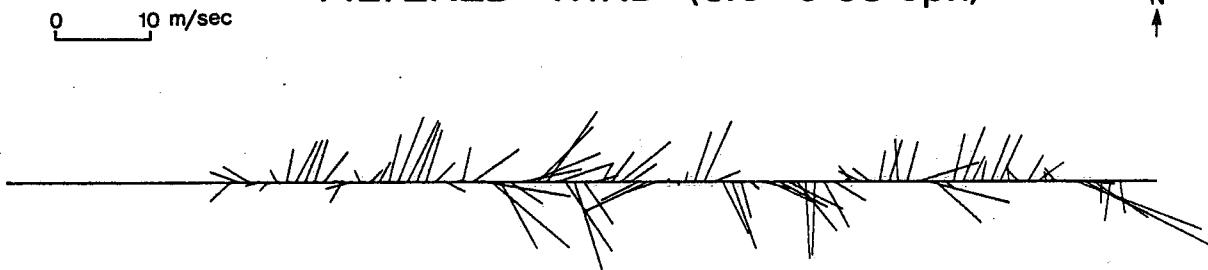
DAY	TMAX	TMIN									
1	17.6	15.0	9	19.8	17.4	17	16.7	13.5	25	13.6	12.3
2	15.1	11.8	10	20.1	16.3	18	13.0	9.4	26	16.2	11.7
3	14.3	11.1	11	22.0	19.2	19	20.1	13.3	27	16.1	14.2
4	16.3	13.9	12	22.0	18.0	20	18.3	12.2	28	16.4	14.4
5	17.7	15.7	13	20.4	14.7	21	14.4	11.3	29	16.7	8.7
6	18.8	14.4	14	15.4	13.6	22	11.6	6.1	30	9.7	8.1
7	18.9	14.2	15	16.8	15.3	23	9.4	6.0	31		
8	19.7	16.9	16	15.3	12.2	24	14.2	8.9			

# METEOROLOGICAL DATA

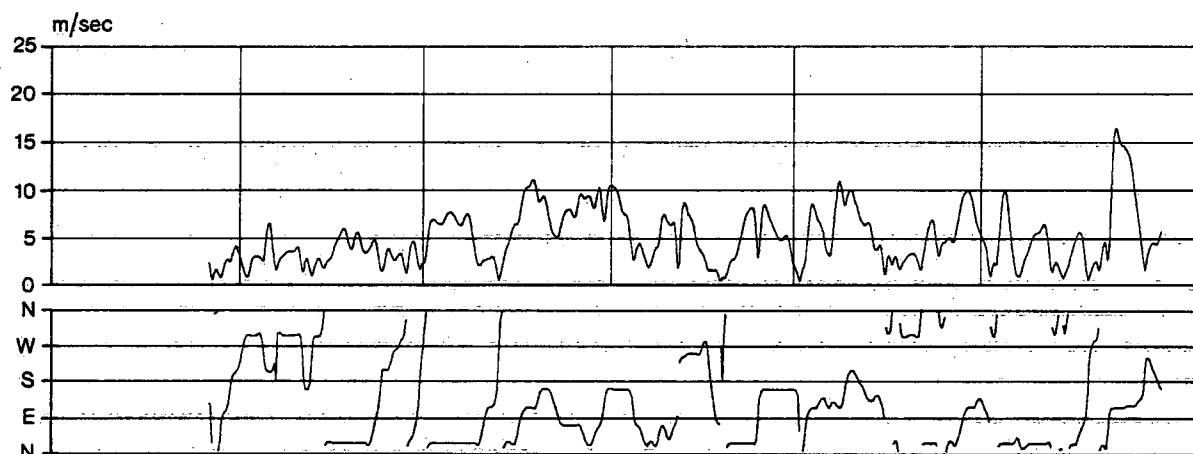
MOORING: OH7

DATE: SEPT 1974

## FILTERED WIND (0.0-0.05 cph)



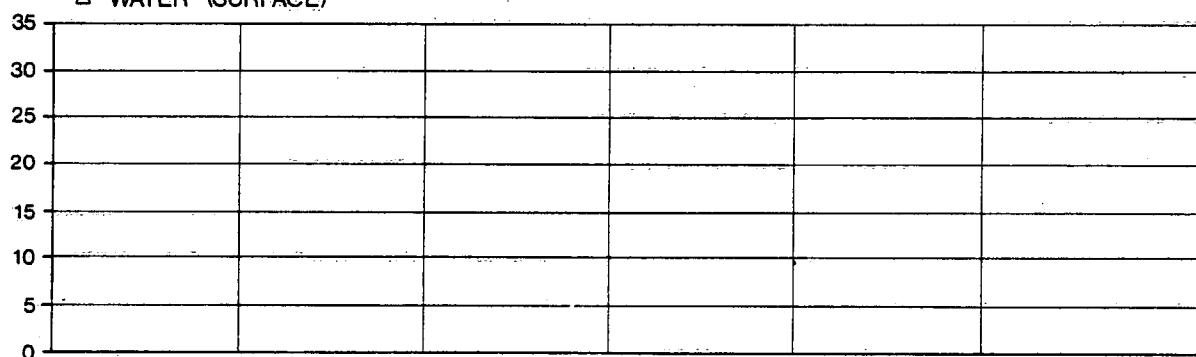
## FILTERED WIND (0.0-0.2 cph)\*



\* DIRECTION TOWARDS

O AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

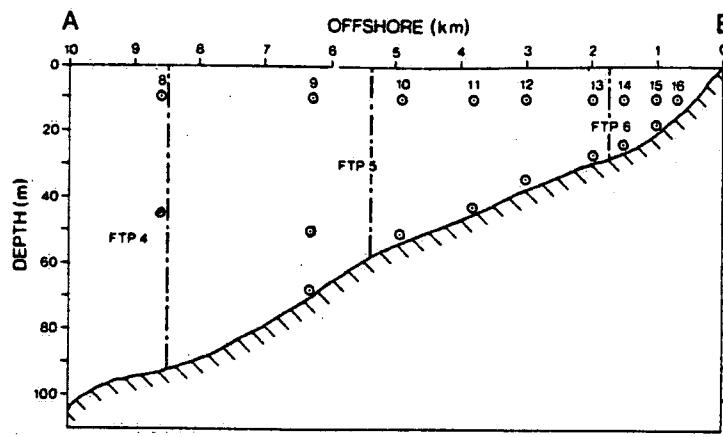
## TEMPERATURE °C



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' 27' 28' 29' 30' 31'

## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

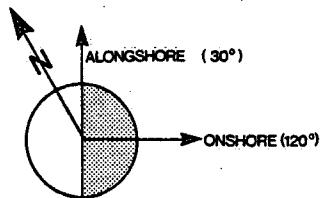
DAY	TMAX	TMIN									
1			9			17			25		
2			10			18			26		
3			11			19			27		
4			12			20			28		
5			13			21			29		
6			14			22			30		
7			15			23			31		
8			16			24					



MOORING 8

SEPTEMBER 1974

MOORING: 8



DATE: SEPT 1974

WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

152

235

DEPTH: m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

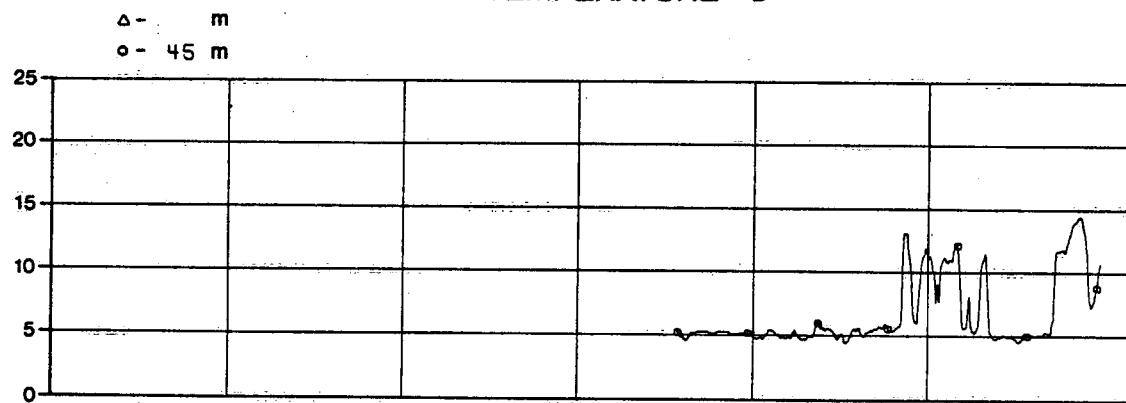
DEPTH: 45 m

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 27 28 29 30 31

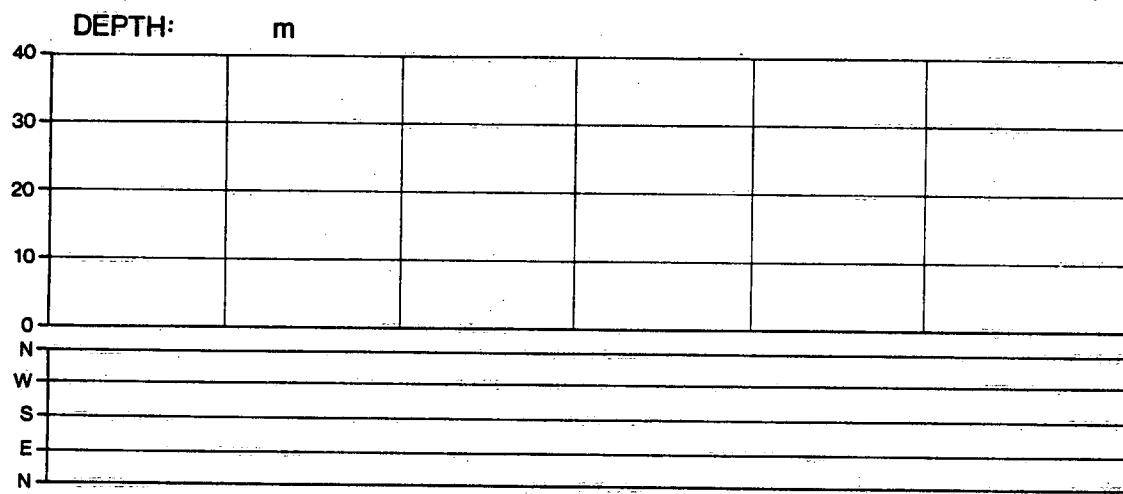
MOORING: 8

DATE: SEPT 1974

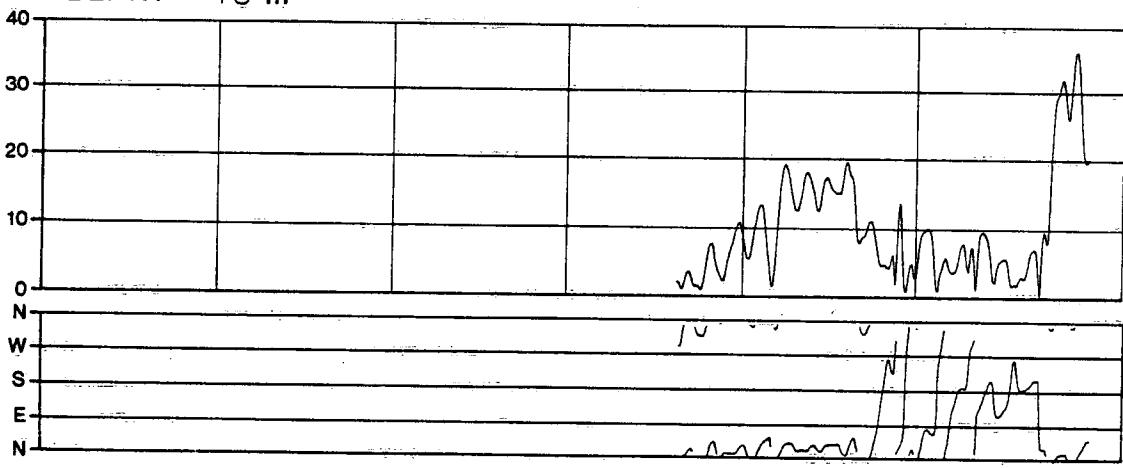
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 45 m



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' 27' 28' 29' 30' 31'

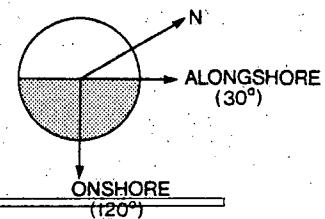
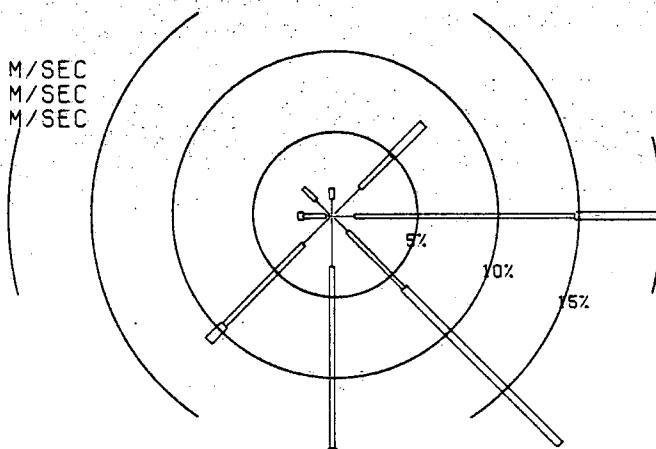
MOORING: 8

DATE: SEPT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

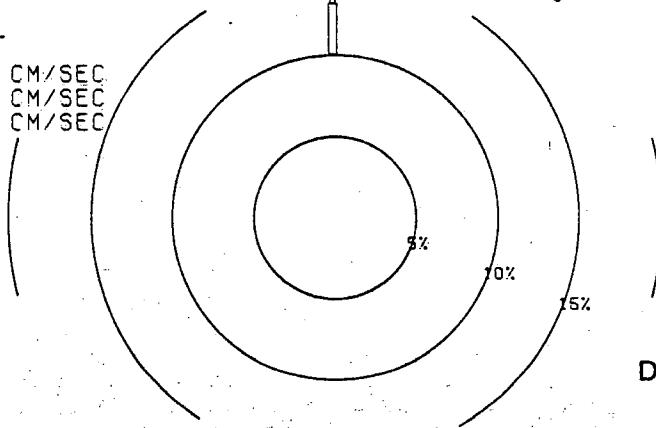
WIND

— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC

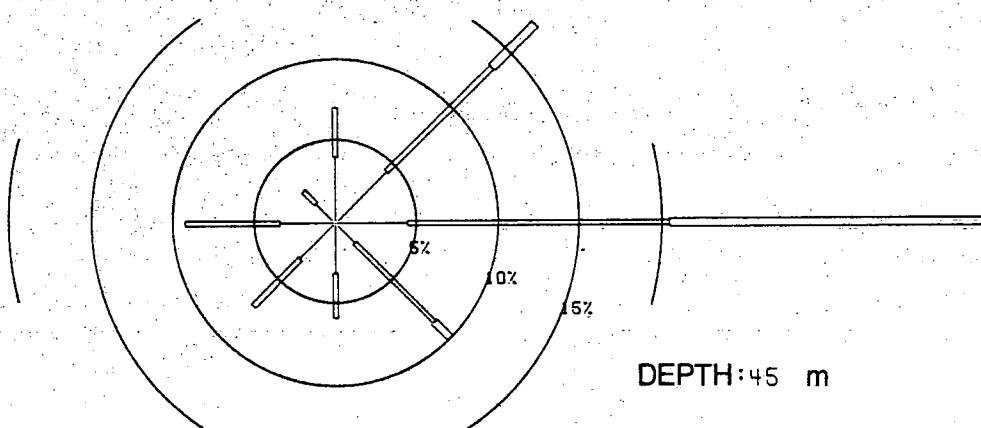


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

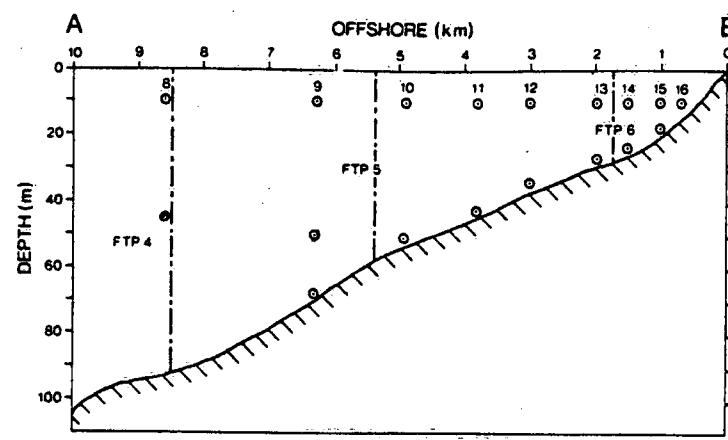


DEPTH: m



DEPTH: 45 m

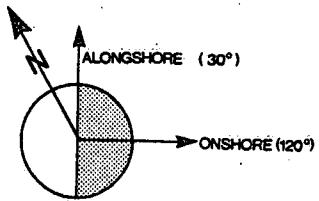
\*DIRECTION TOWARDS



MOORING 9

SEPTEMBER 1974

MOORING: 9



DATE: SEPT 1974

235

WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

152

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 35 m

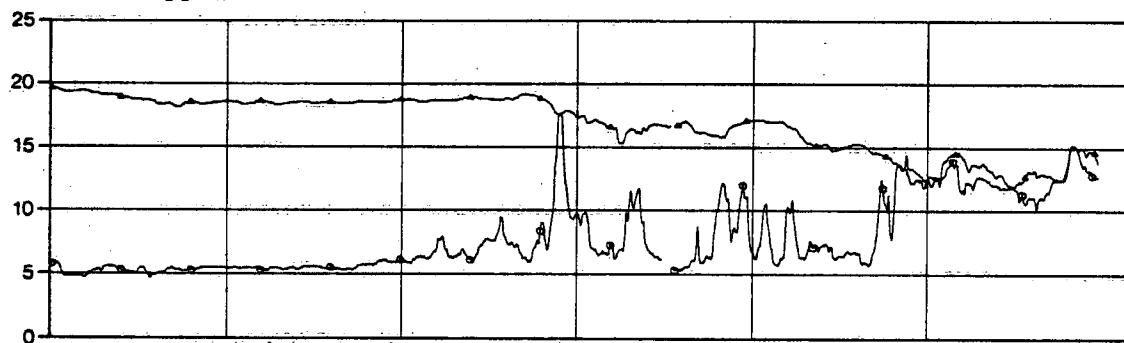
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

DATE: SEPT 1974

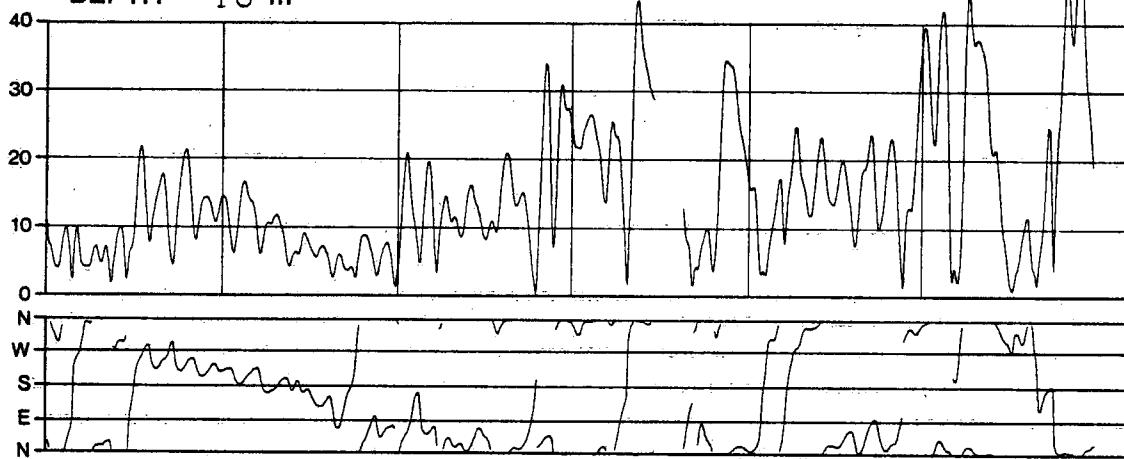
TEMPERATURE °C

△ - 10 m  
○ - 35 m

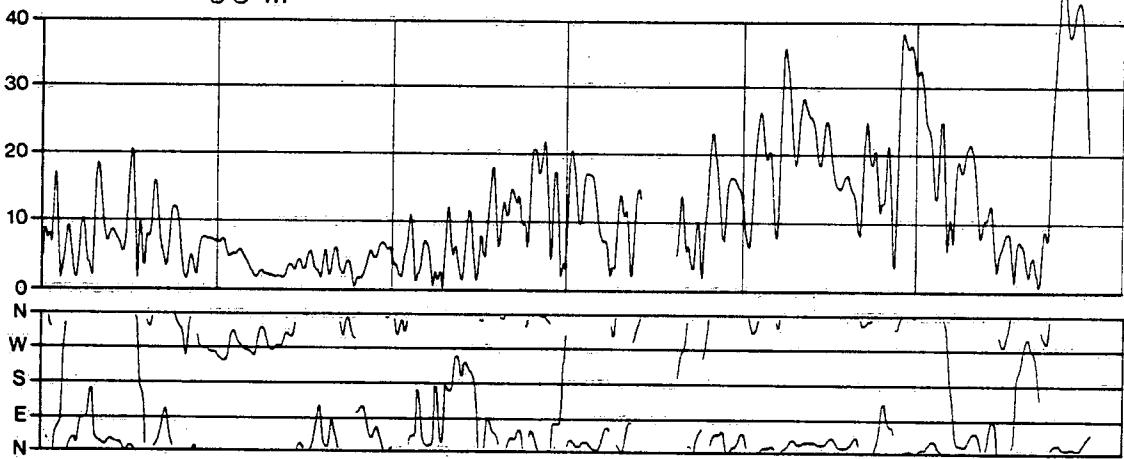


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 35 m

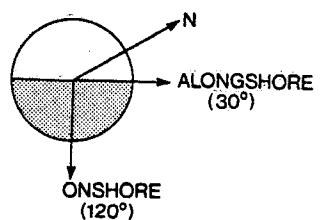
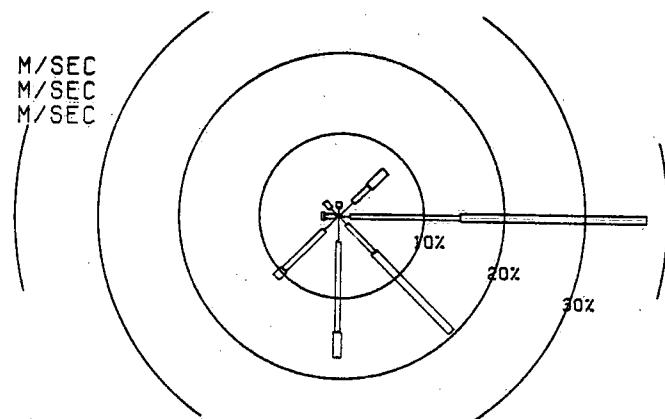


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

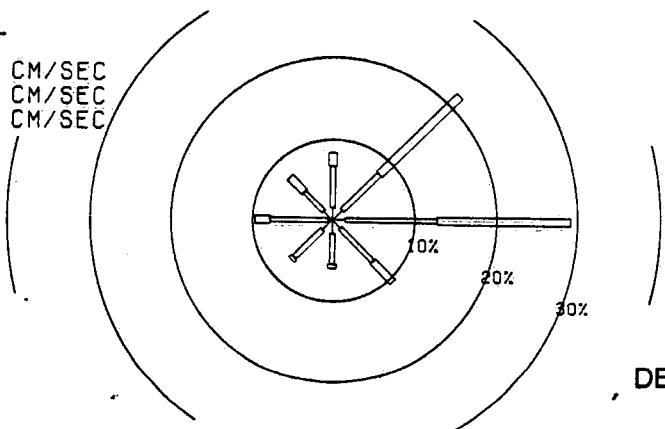
MOORING: 9 DATE: SEPT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

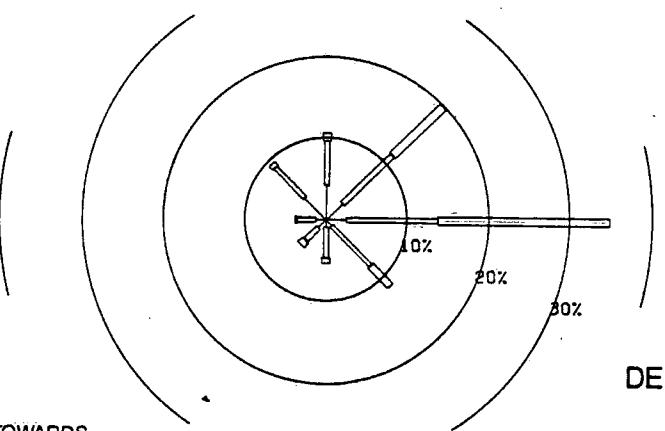
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

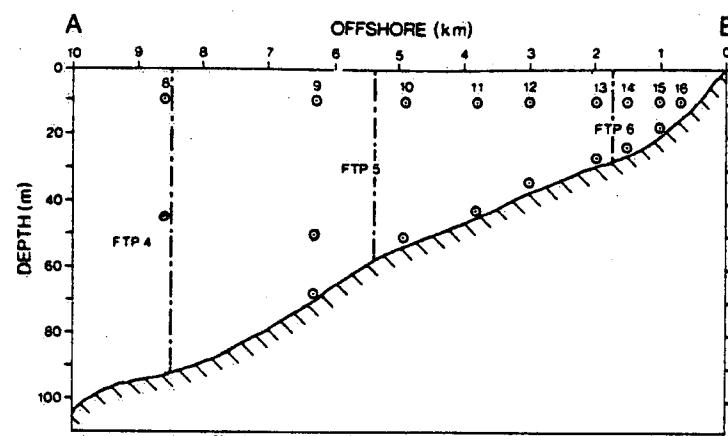


DEPTH: 10 m



DEPTH: 35 m

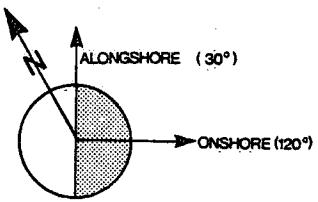
\*DIRECTION TOWARDS



MOORING 9

SEPTEMBER 1974

MOORING: 9



DATE: SEPT 1974

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WINDSPEED<sup>2</sup>

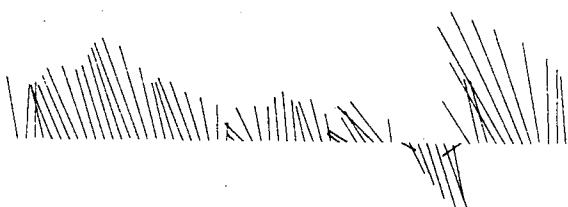
0 40 m<sup>2</sup>/sec<sup>2</sup>

152

DEPTH: 70 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

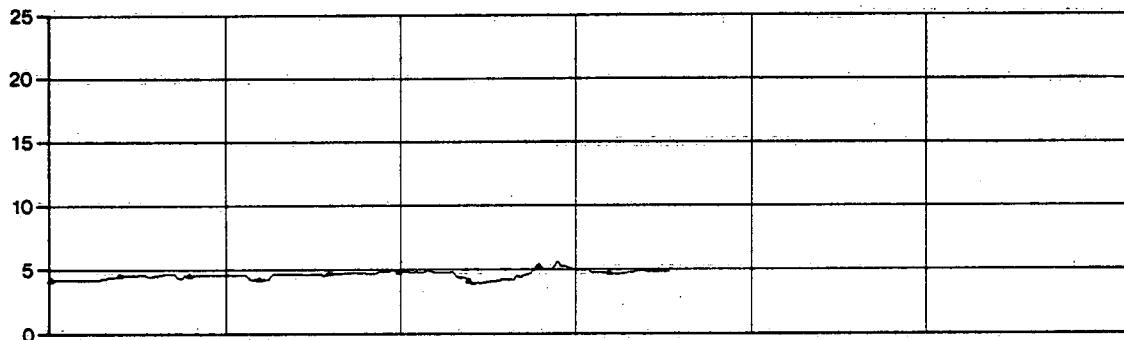
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

DATE: SEPT 1974

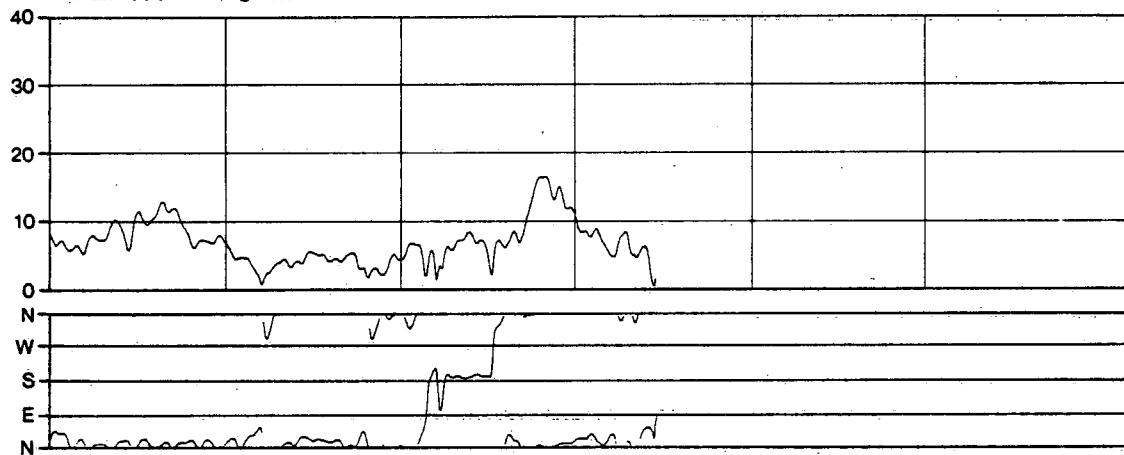
TEMPERATURE °C

△ - 70 m  
○ - m

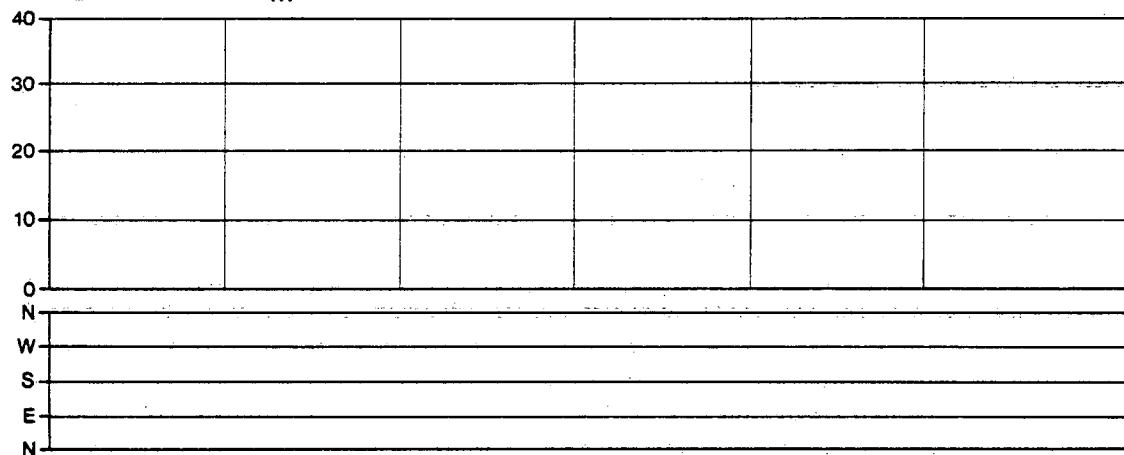


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 70 m



DEPTH: m



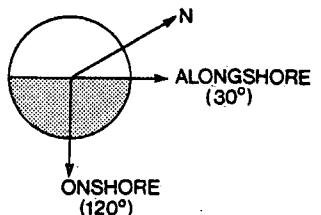
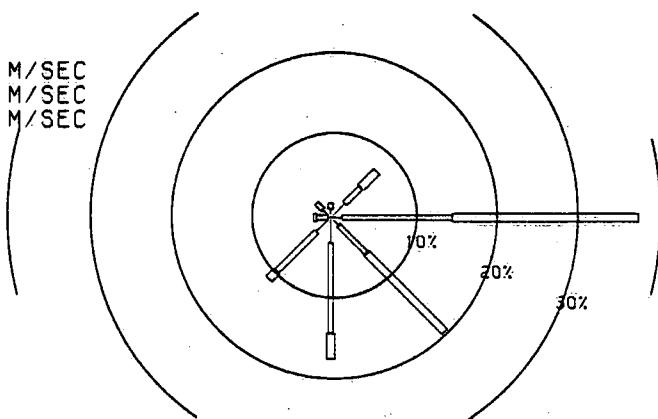
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

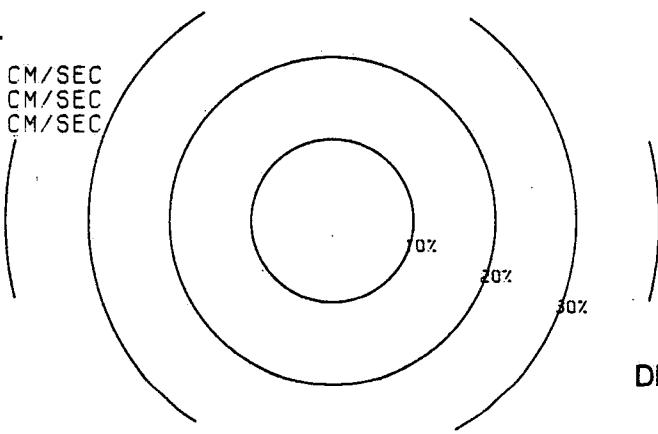
DATE: SEPT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

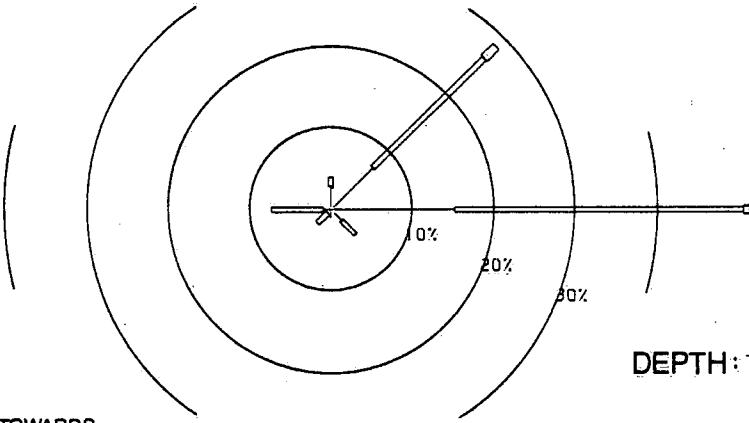
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

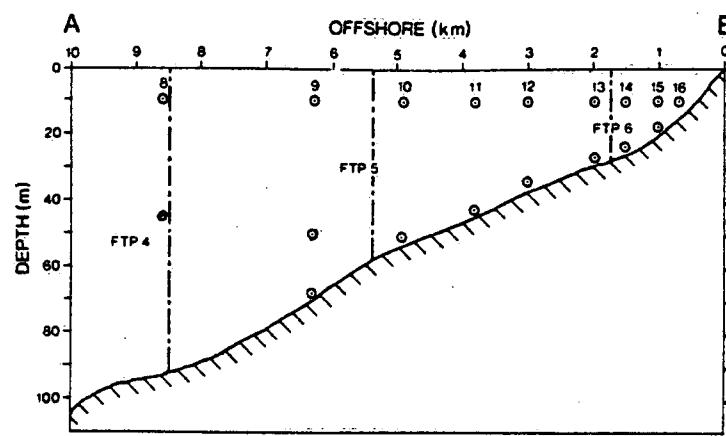


DEPTH: m



DEPTH: 70 m

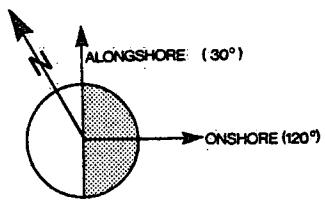
\*DIRECTION TOWARDS



MOORING 10

SEPTEMBER 1974

MOORING: 10



DATE: SEPT 1974

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WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

152

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 53 m

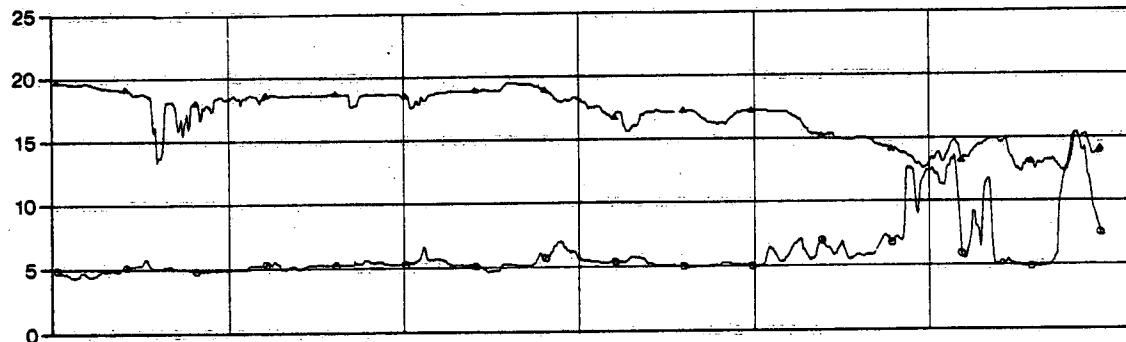
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 10

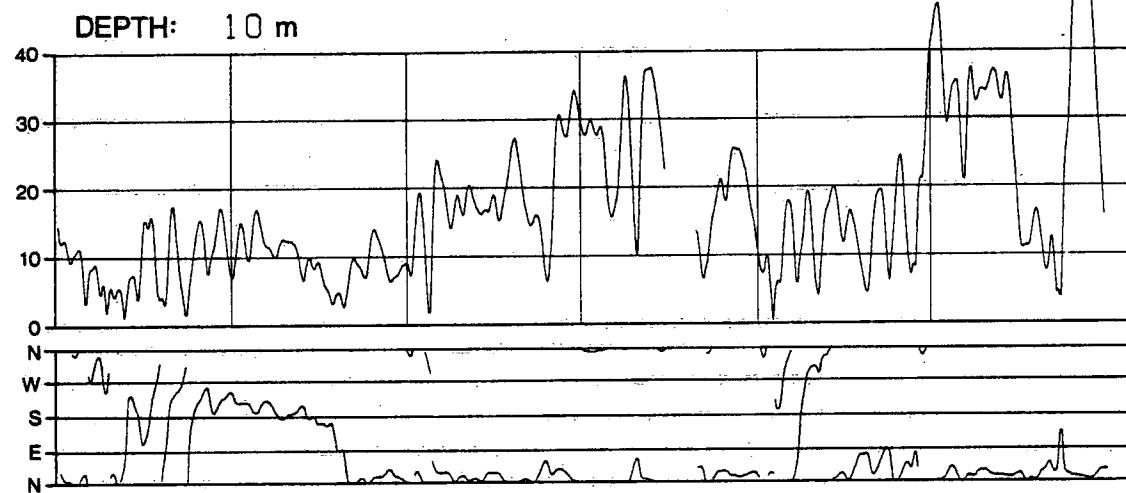
DATE: SEPT 1974

TEMPERATURE °C

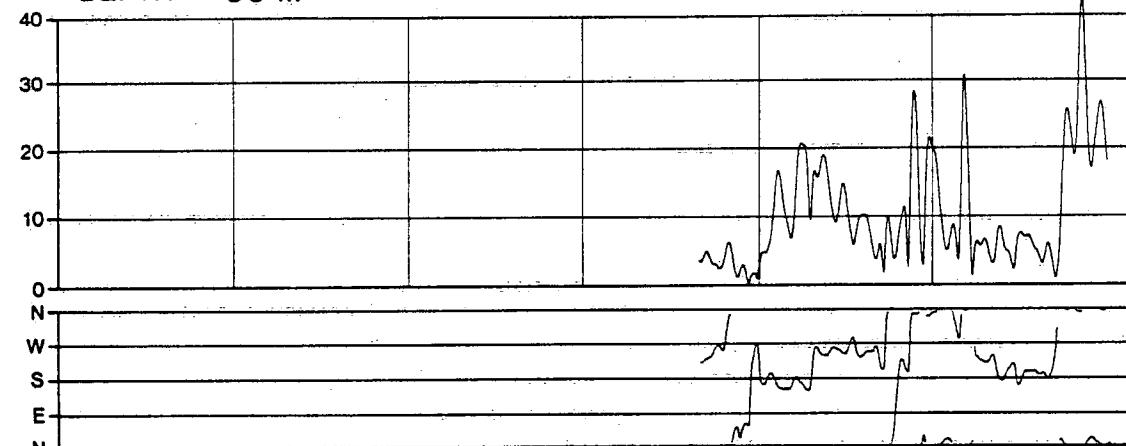
△ - 10 m  
○ - 53 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



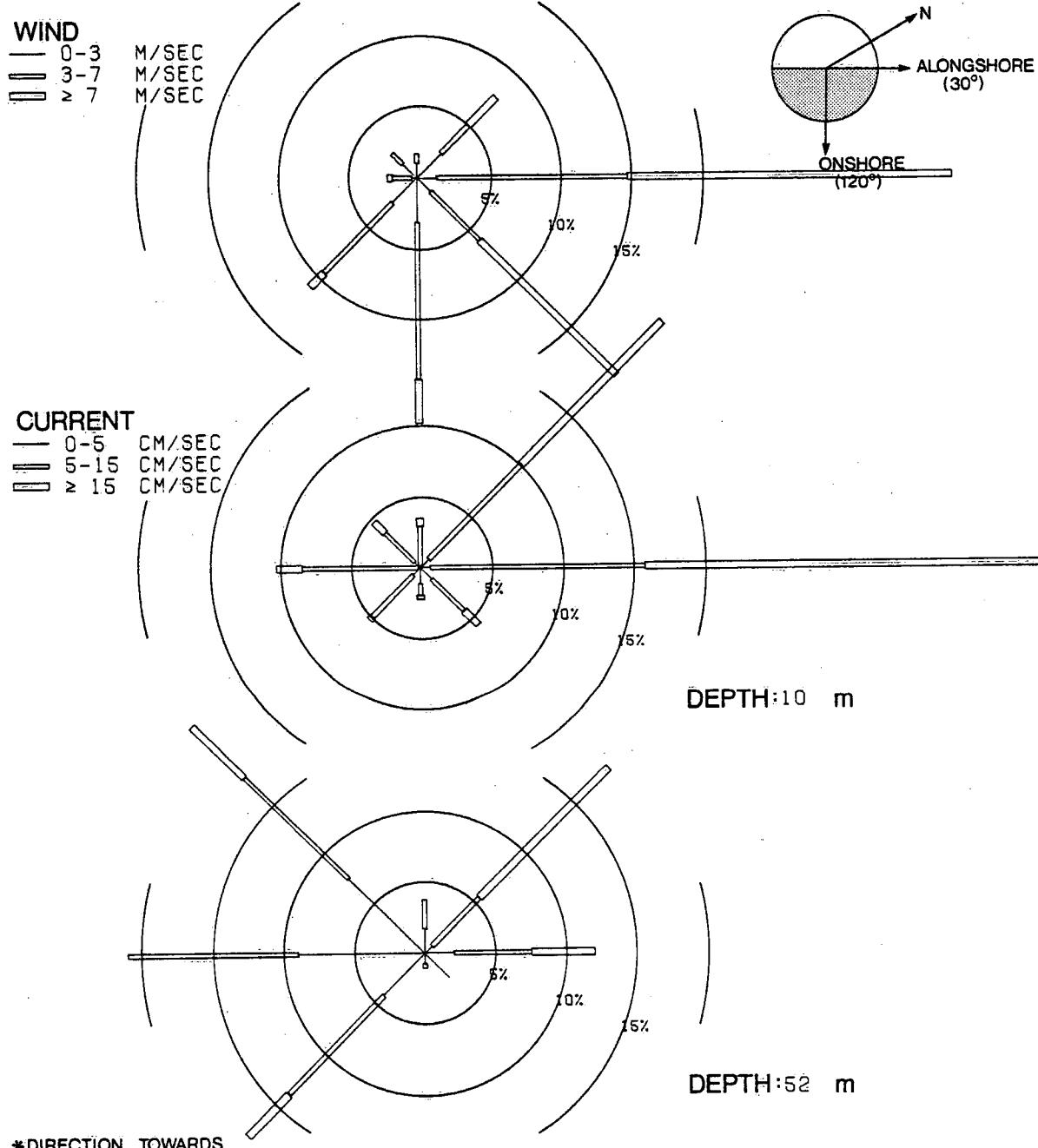
DEPTH: 53 m

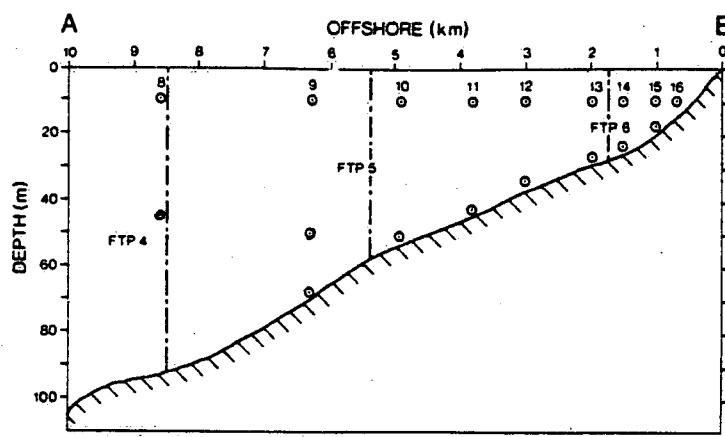


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 10 DATE: SEPT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

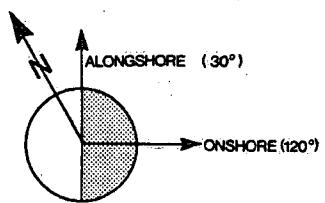




MOORING 11

SEPTEMBER 1974

MOORING: 11



DATE: SEPT 1974

WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

235

152

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 40 m

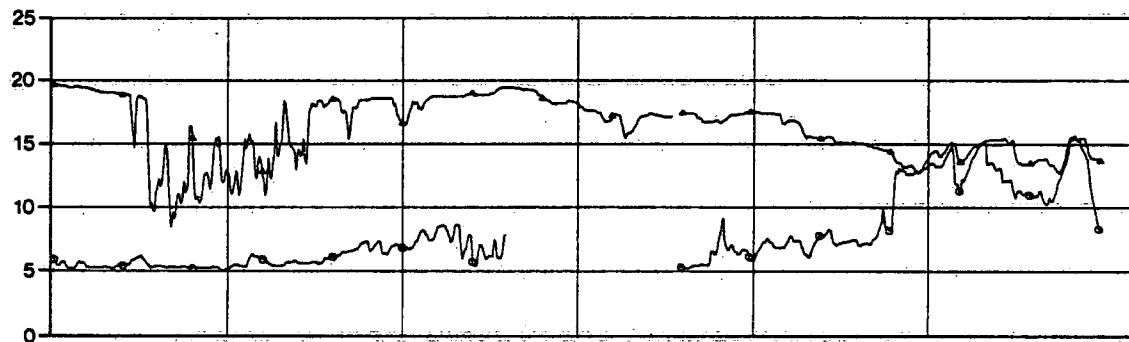
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11

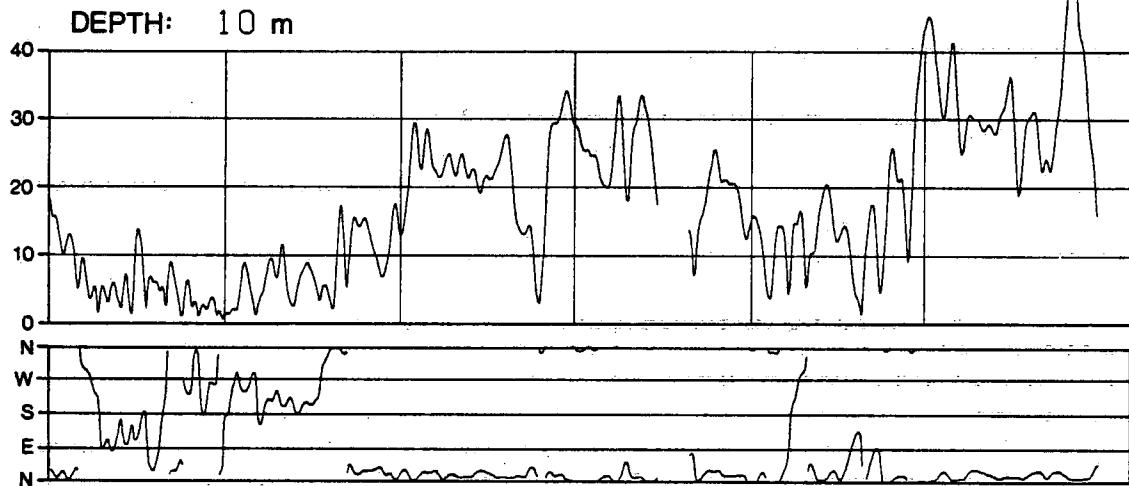
DATE: SEPT 1974

TEMPERATURE °C

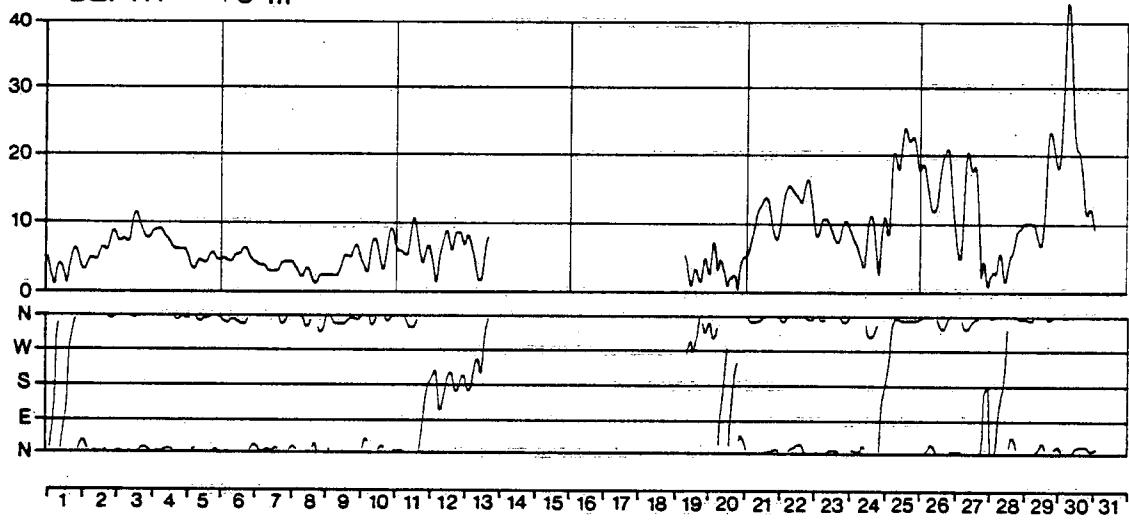
△ - 10 m  
○ - 40 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

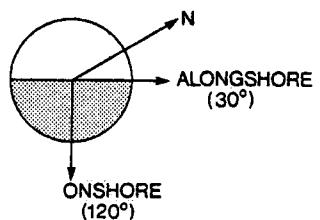
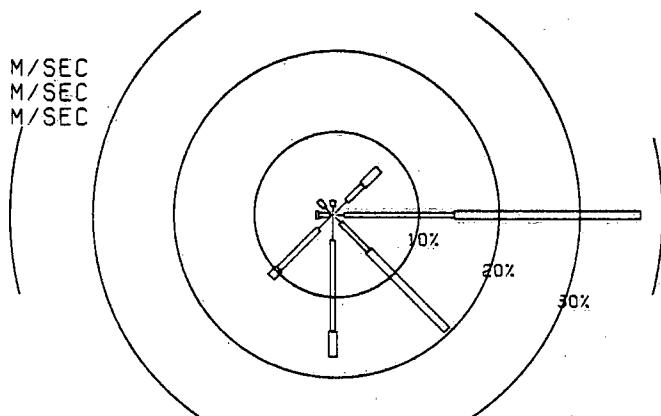


DEPTH: 40 m

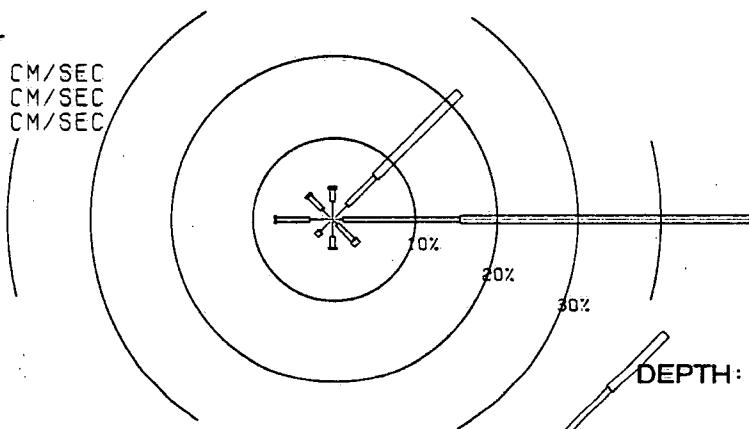


MOORING: 11            DATE: SEPT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

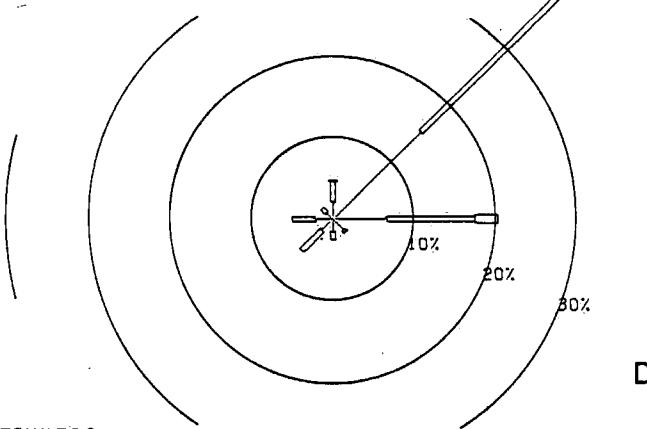
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

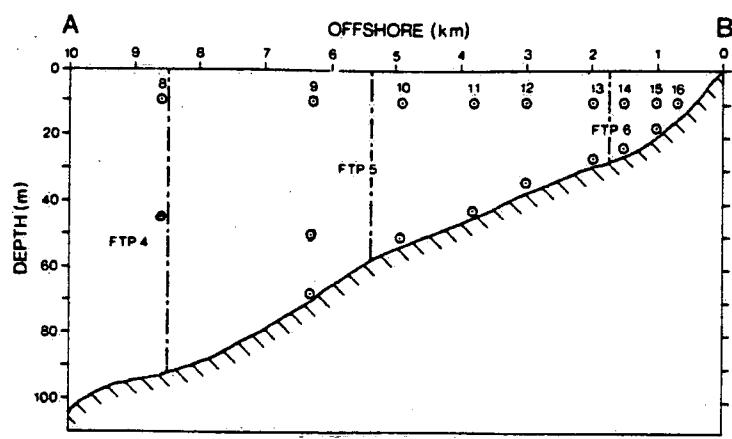


DEPTH: 10 m



DEPTH: 40 m

\*DIRECTION TOWARDS

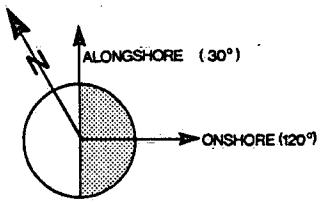


MOORING 12

SEPTEMBER 1974

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MOORING: 12



DATE: SEPT 1974

WINDSPEED<sup>2</sup>

$m^2/sec^2$

152

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm /sec

DEPTH: 35 m



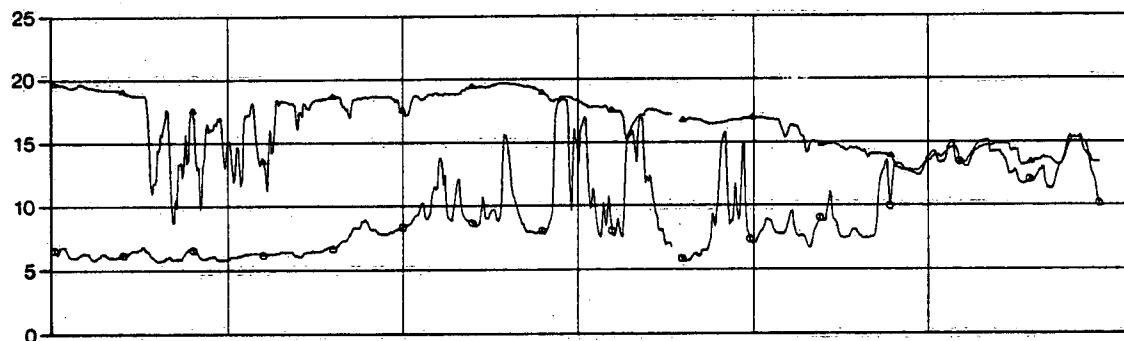
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12

DATE: SEPT 1974

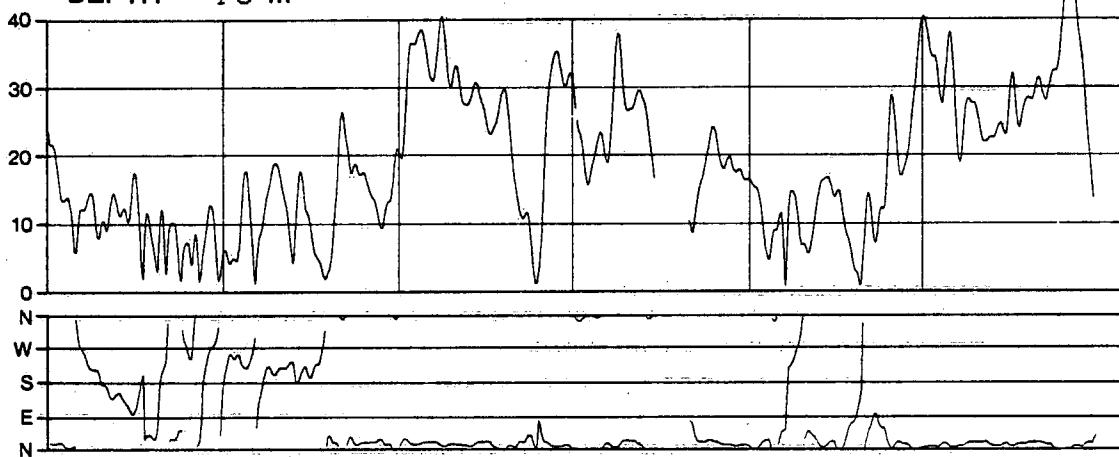
TEMPERATURE °C

△ - 10 m  
○ - 35 m

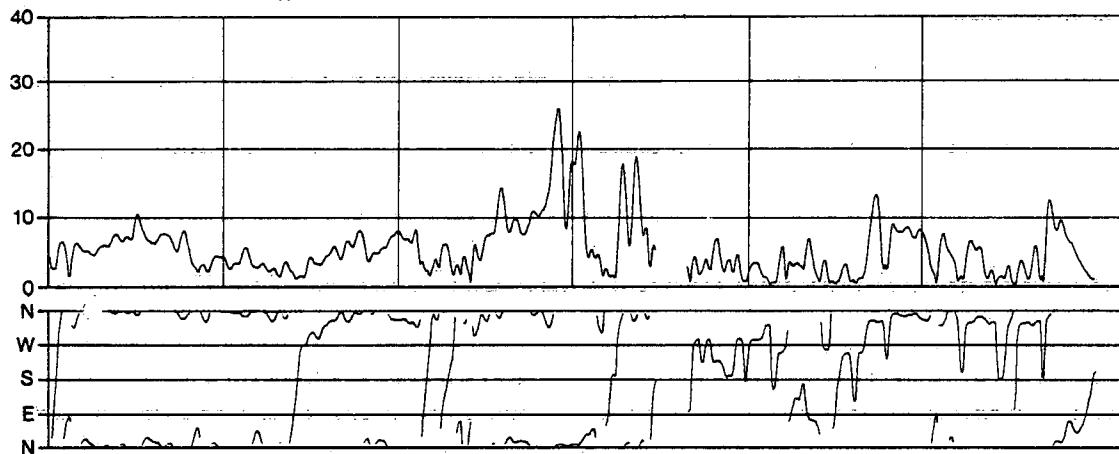


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



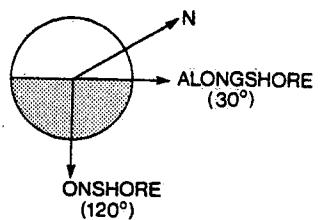
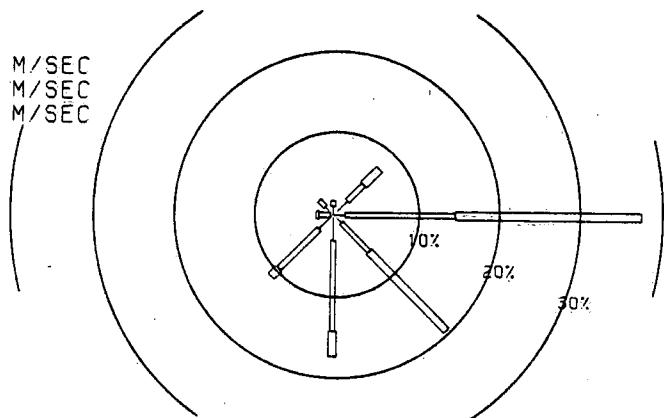
DEPTH: 35 m



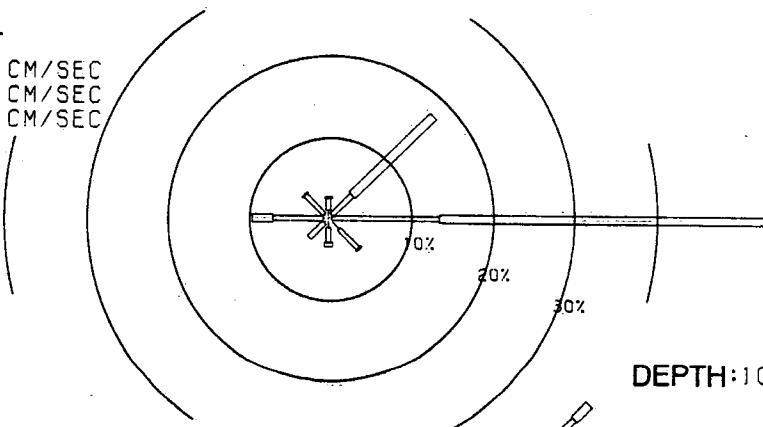
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12 DATE: SEPT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

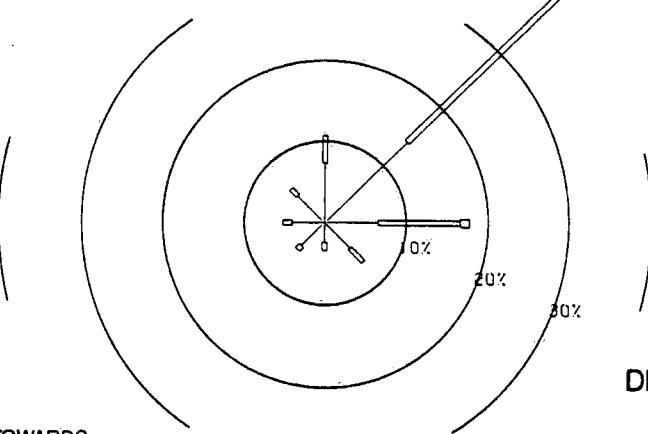
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

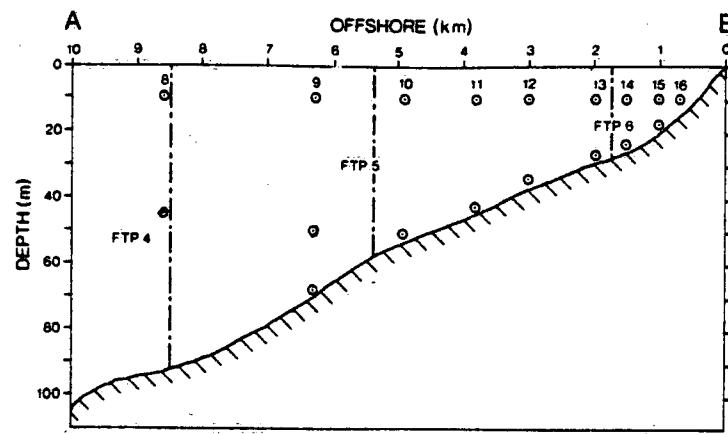


DEPTH: 10 m



DEPTH: 34 m

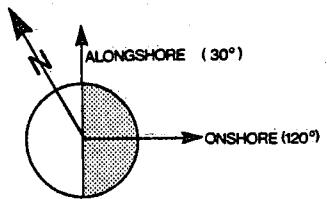
\*DIRECTION TOWARDS



MOORING 13

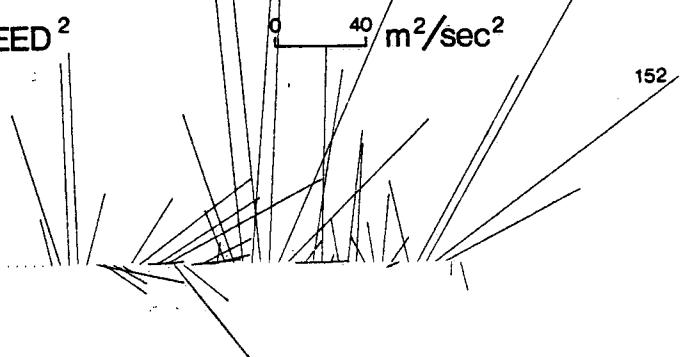
SEPTEMBER 1974

MOORING: 13



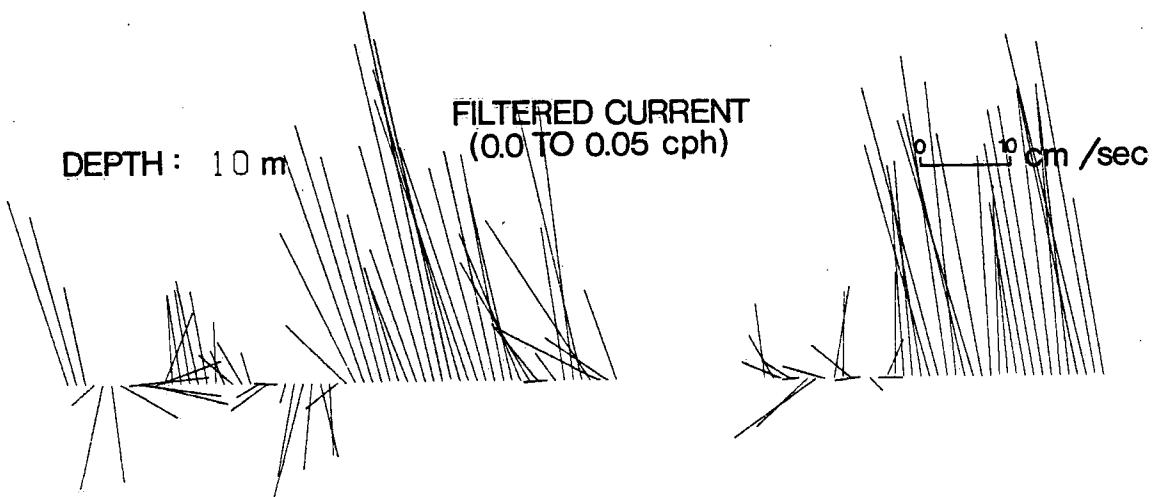
DATE: SEPT 1974

WINDSPEED<sup>2</sup>

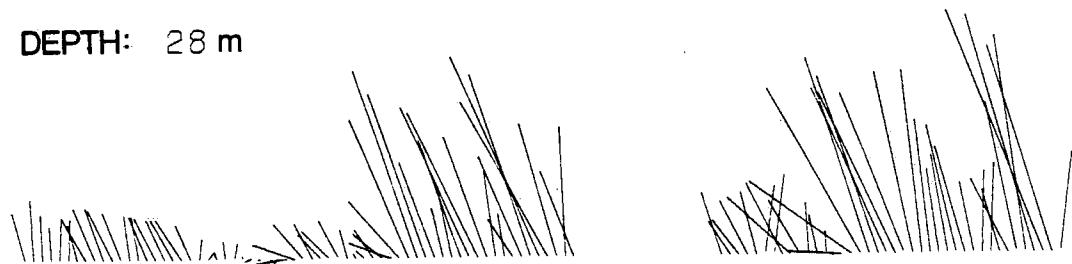


DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)



DEPTH: 28 m



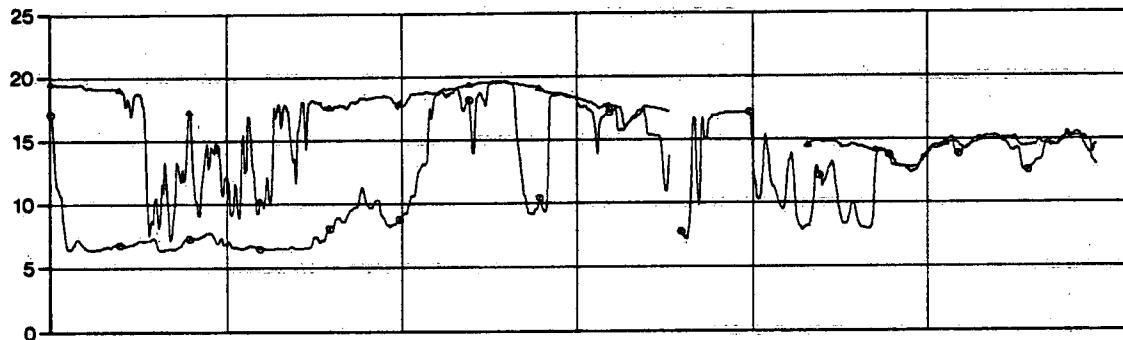
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 13

DATE: SEPT 1974

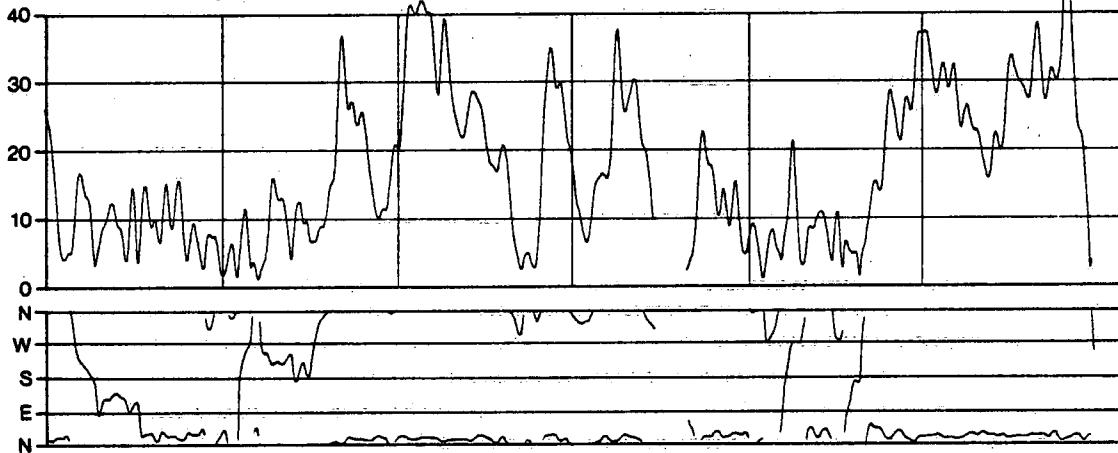
TEMPERATURE °C

△ - 10 m  
○ - 28 m

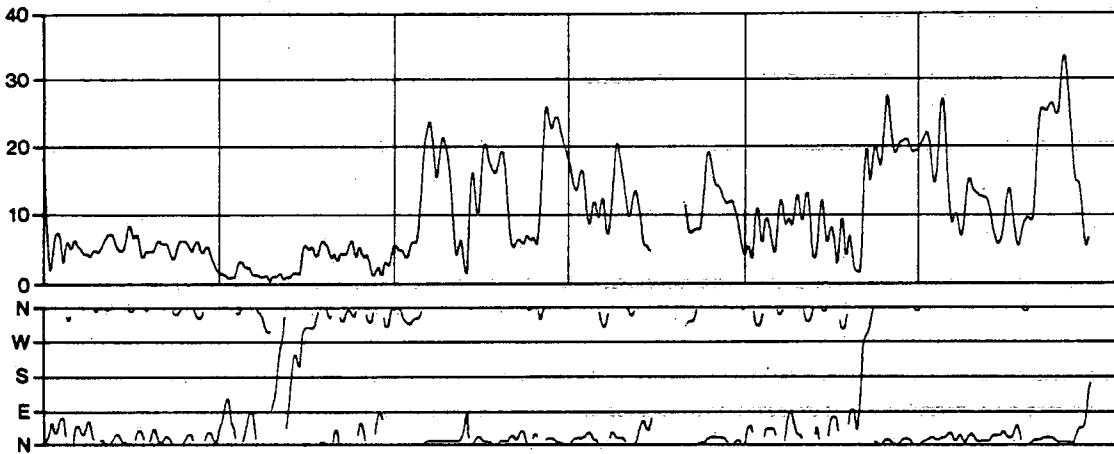


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 28 m



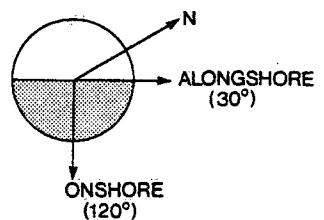
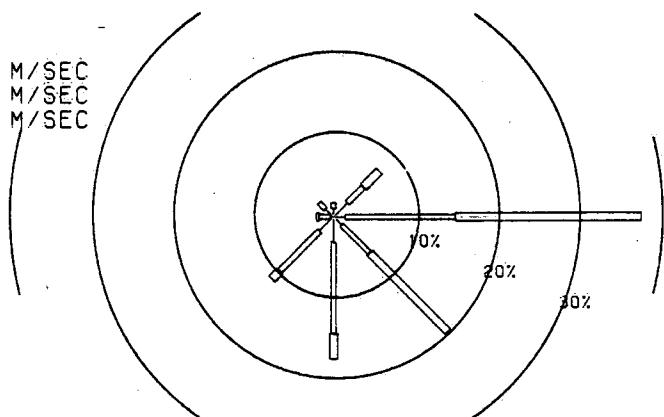
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 13

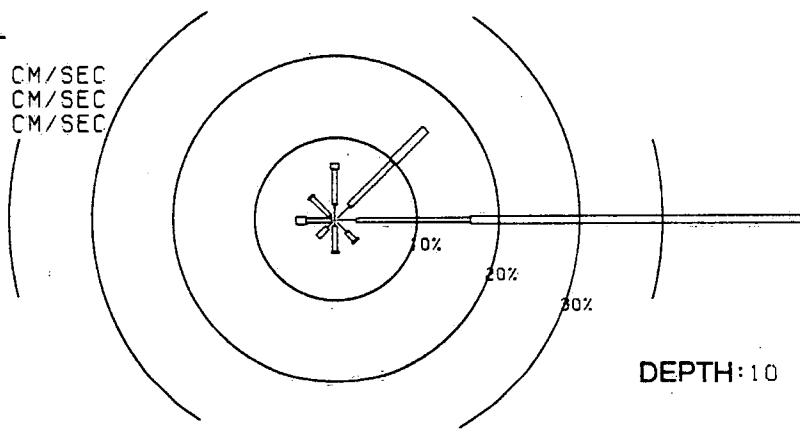
DATE: SEPT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

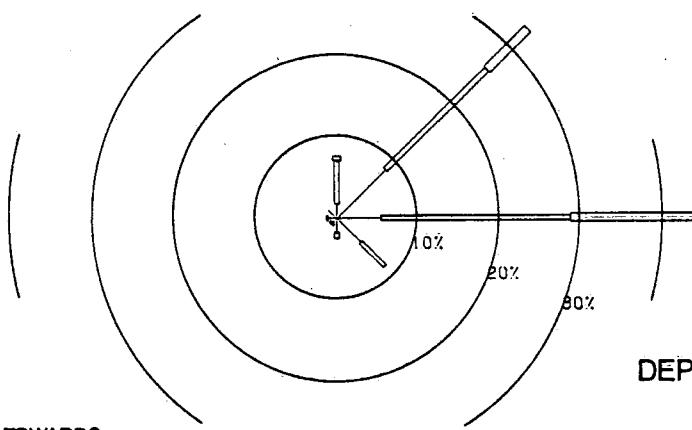
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

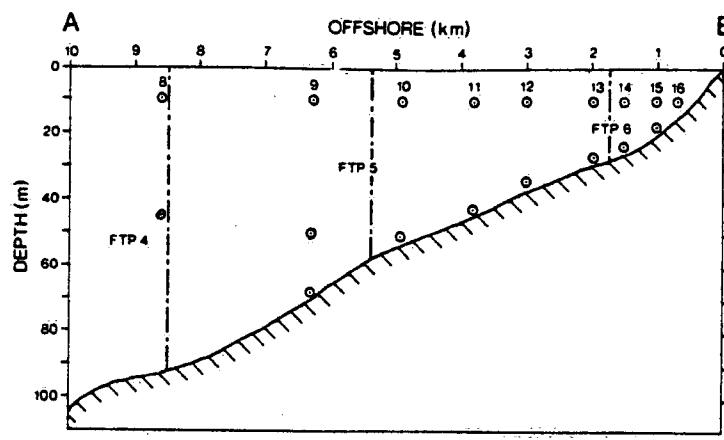


DEPTH: 10 m



DEPTH: 28 m

\*DIRECTION TOWARDS



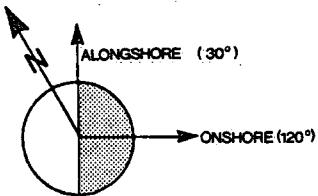
MOORING 14

SEPTEMBER 1974

MOORING: 14

DATE: SEPT 1974

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WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

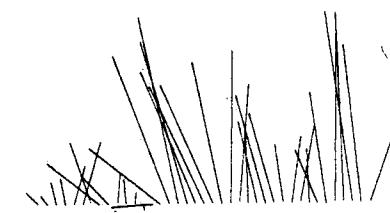
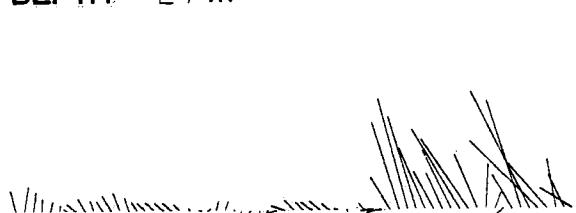
152

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 27 m



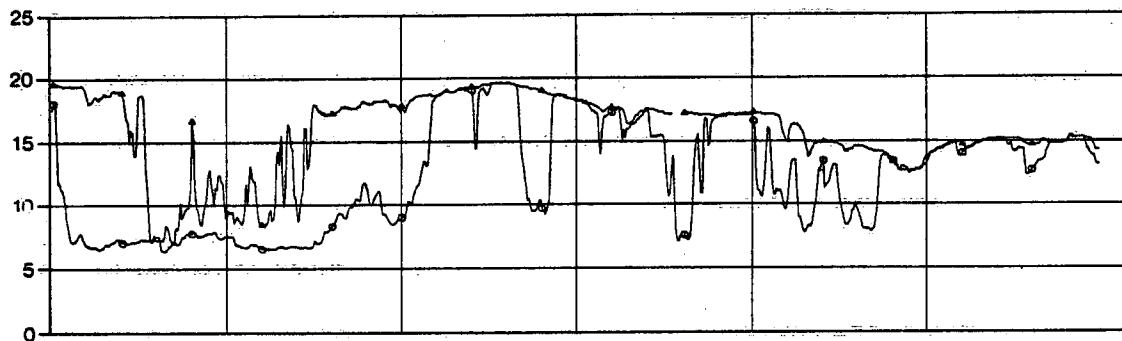
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14

DATE: SEPT 1974

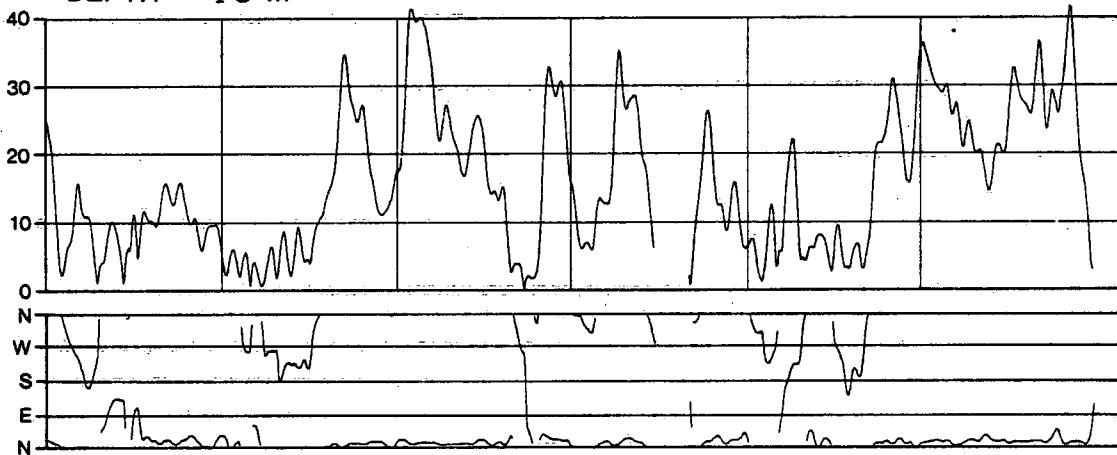
TEMPERATURE °C

△ - 10 m  
○ - 27 m

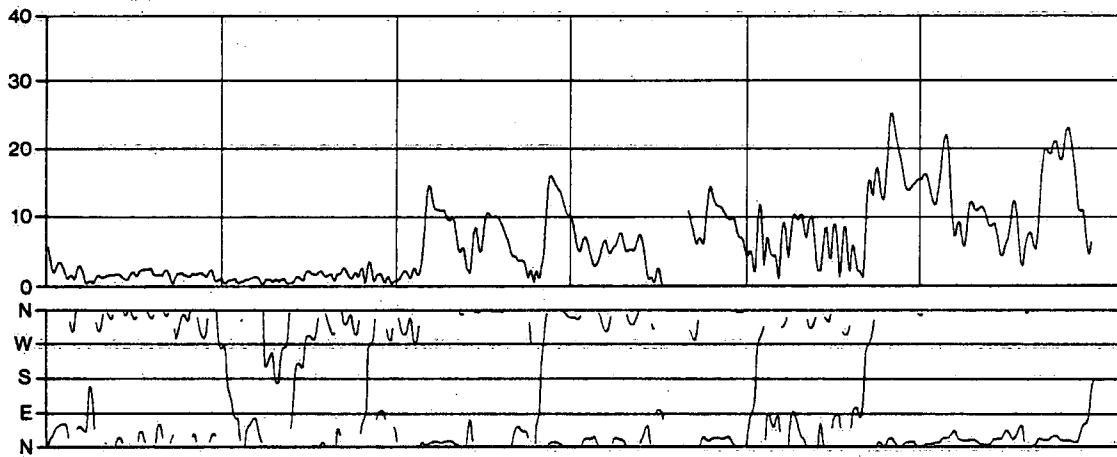


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 27 m



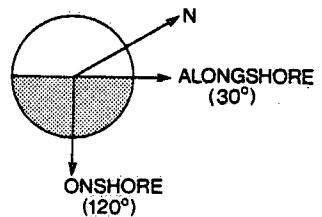
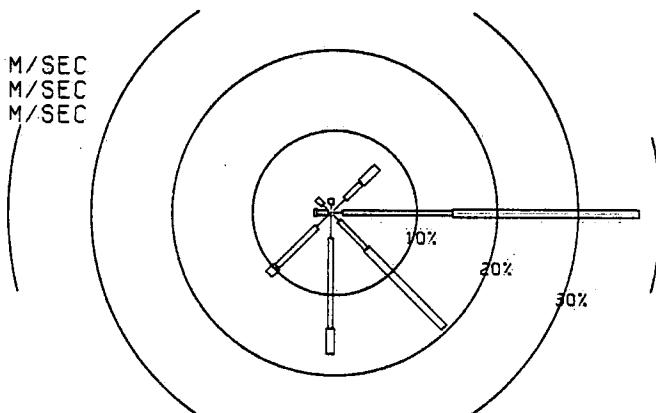
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 14

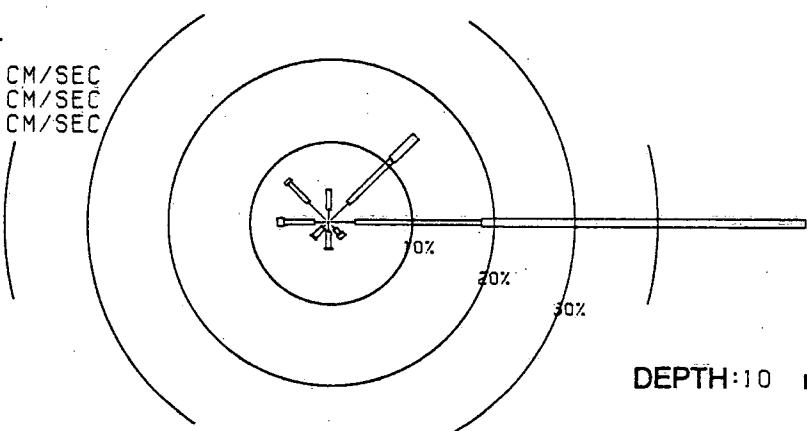
DATE: SEPT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

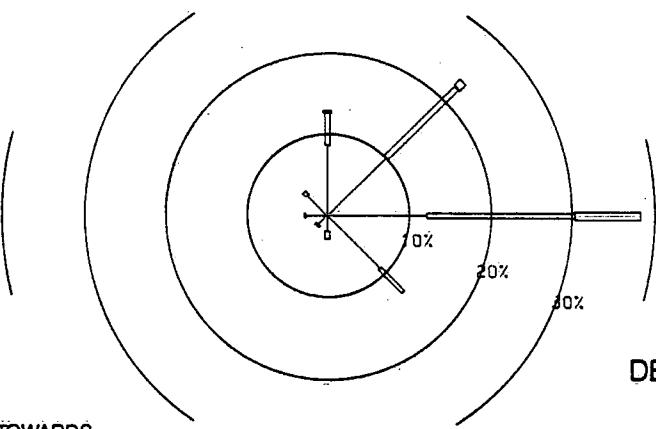
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

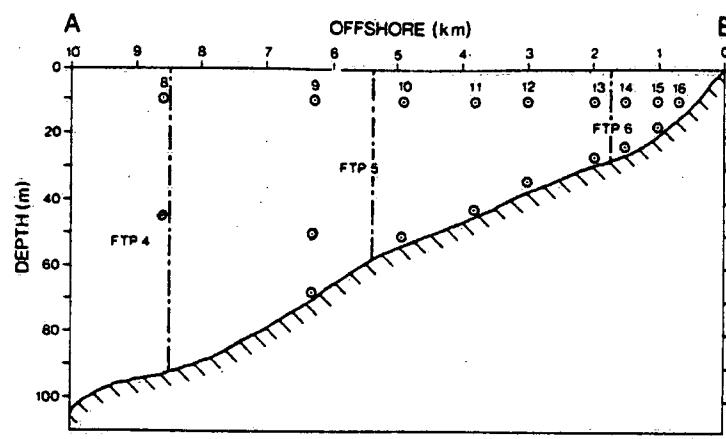


DEPTH: 10 m



DEPTH: 27 m

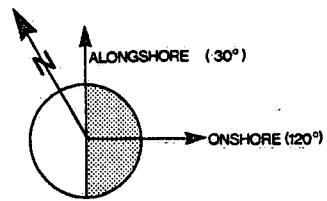
\*DIRECTION TOWARDS



MOORING 15

SEPTEMBER 1974

MOORING: 15



DATE: SEPT 1974

WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

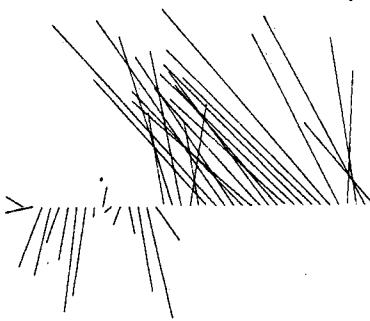
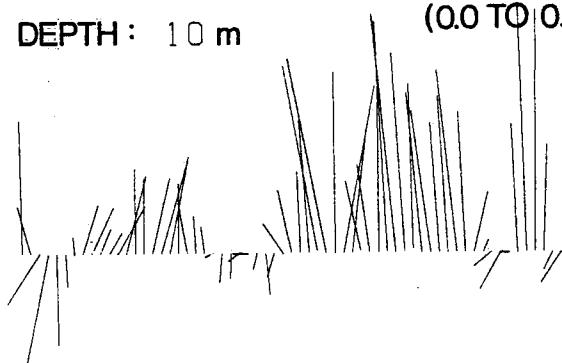
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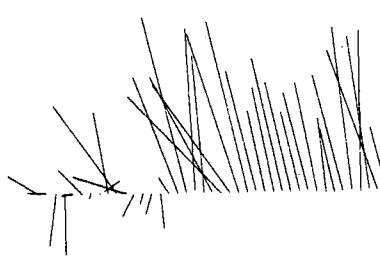
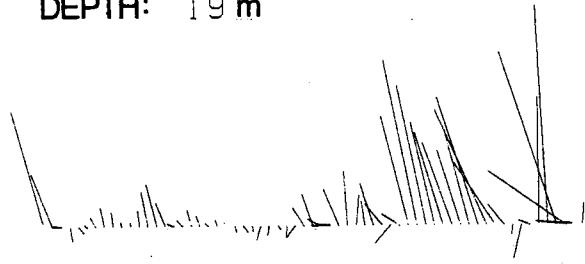
DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 19 m



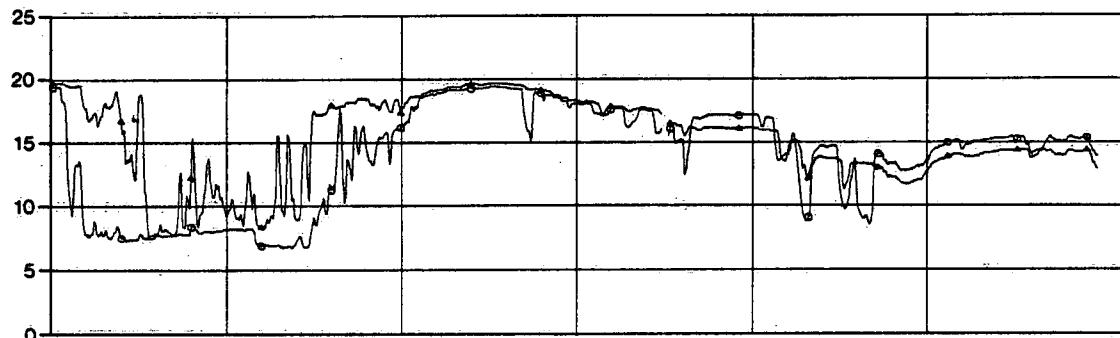
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 15

DATE: SEPT 1974

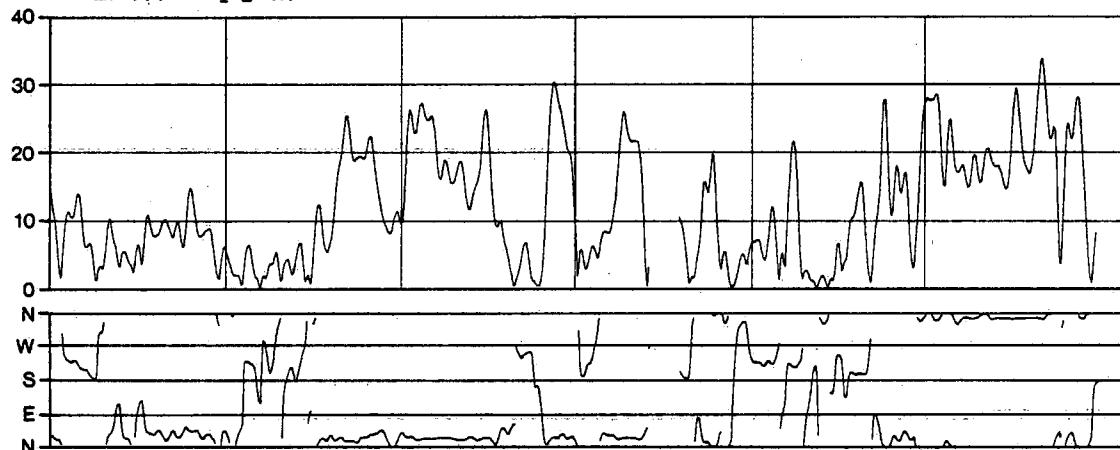
TEMPERATURE °C

△ - 10 m  
○ - 19 m

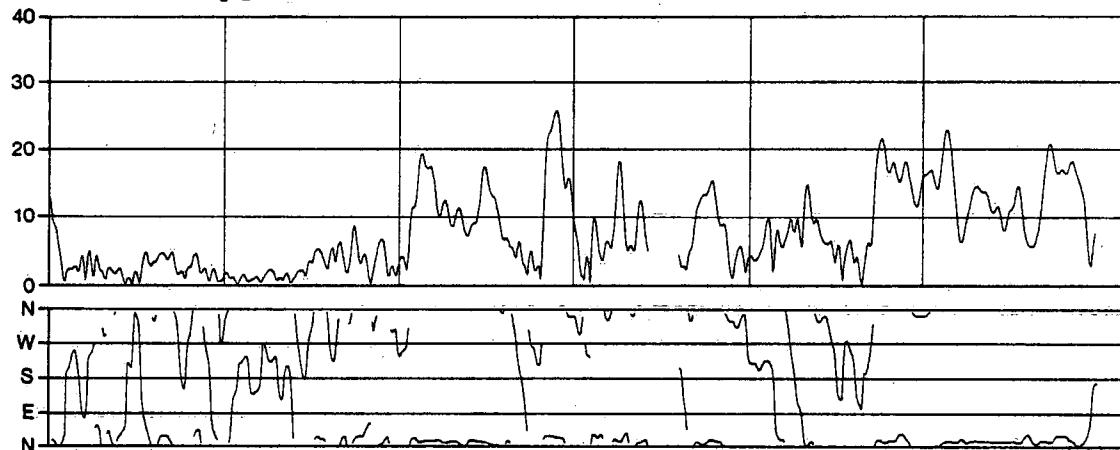


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



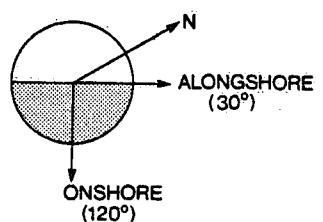
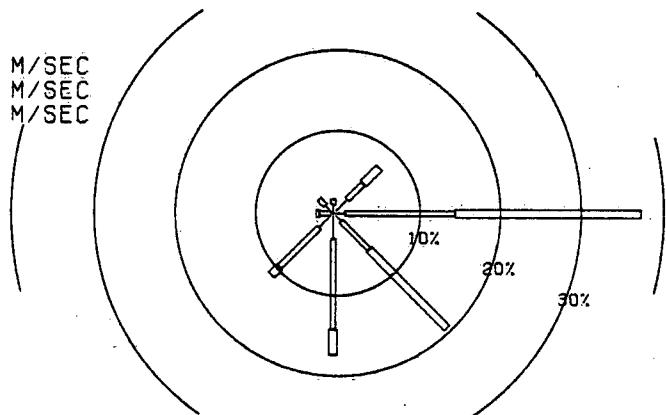
DEPTH: 19 m



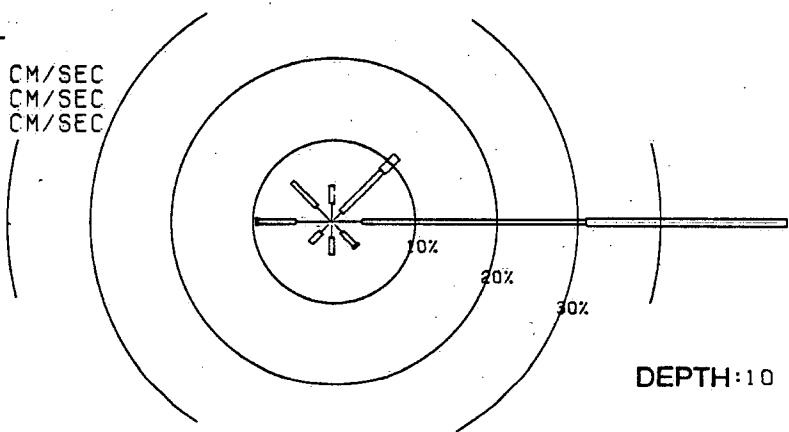
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 15 DATE: SEPT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

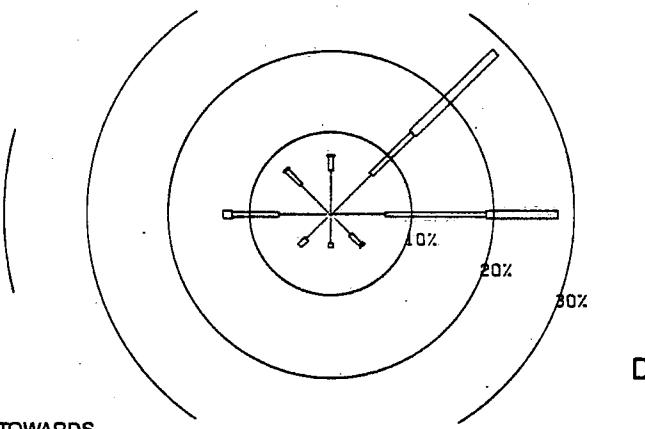
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

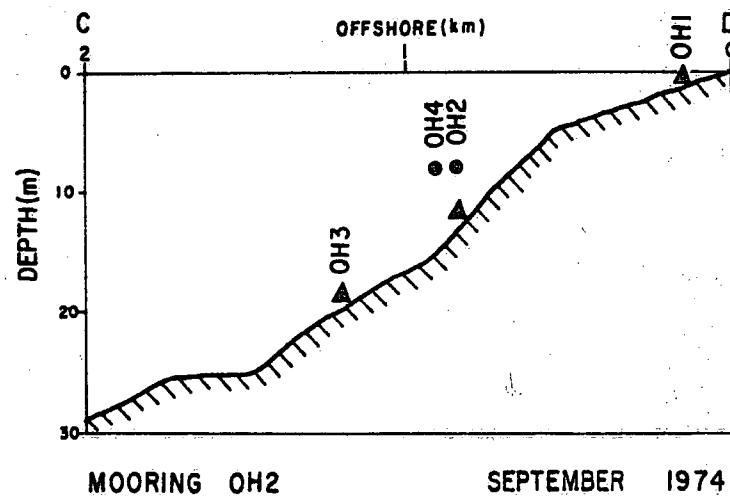


DEPTH: 10 m

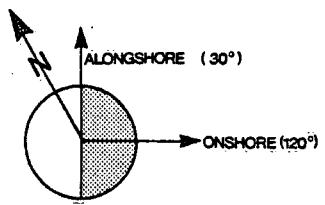


DEPTH: 19 m

\*DIRECTION TOWARDS



MOORING : OH2



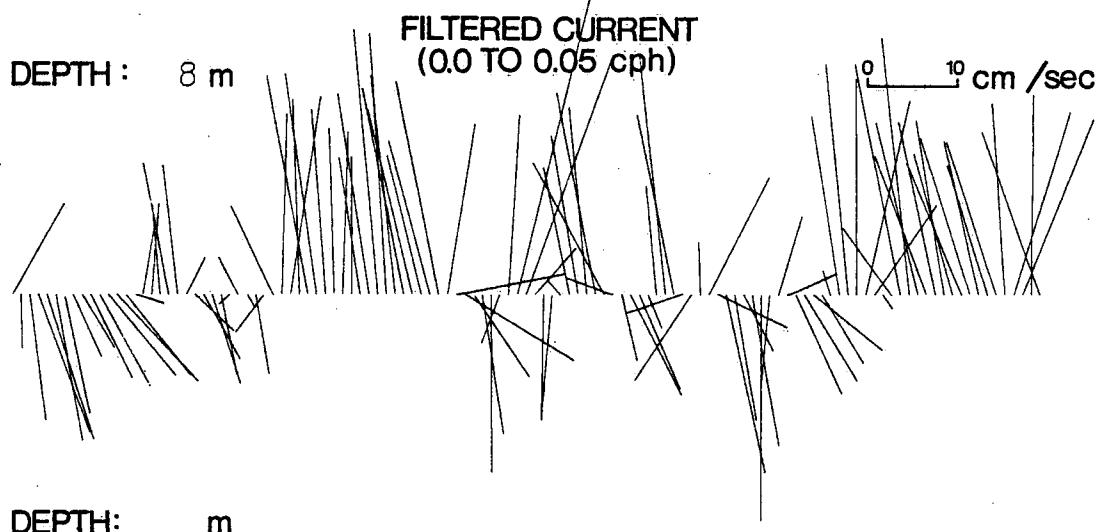
DATE: SEPT. 1974

235/

WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

152



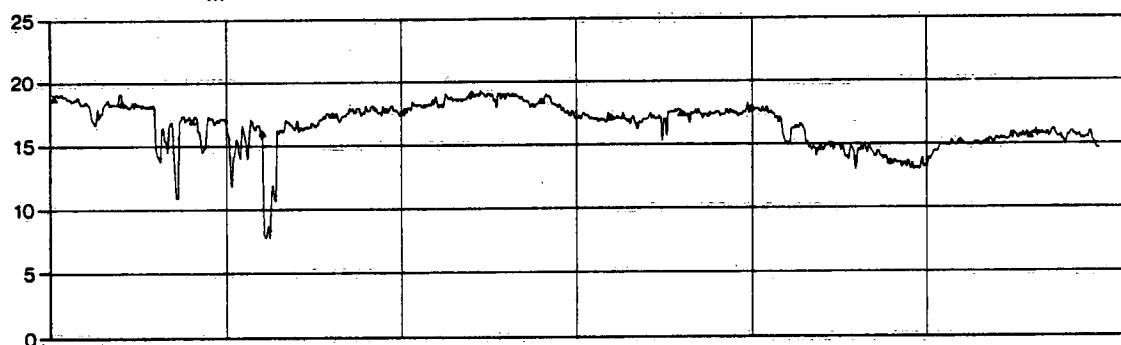
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH2

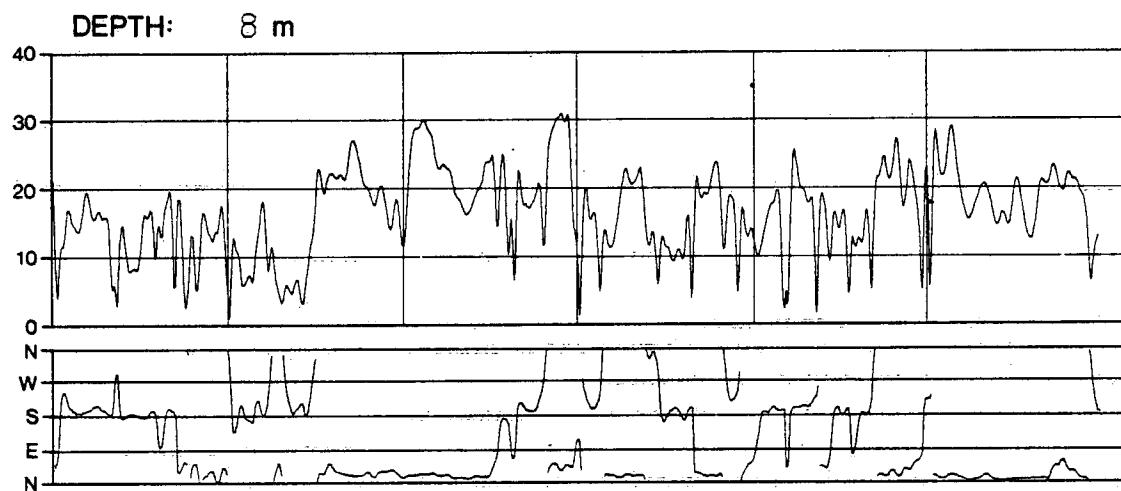
DATE: SEPT 1974

TEMPERATURE °C

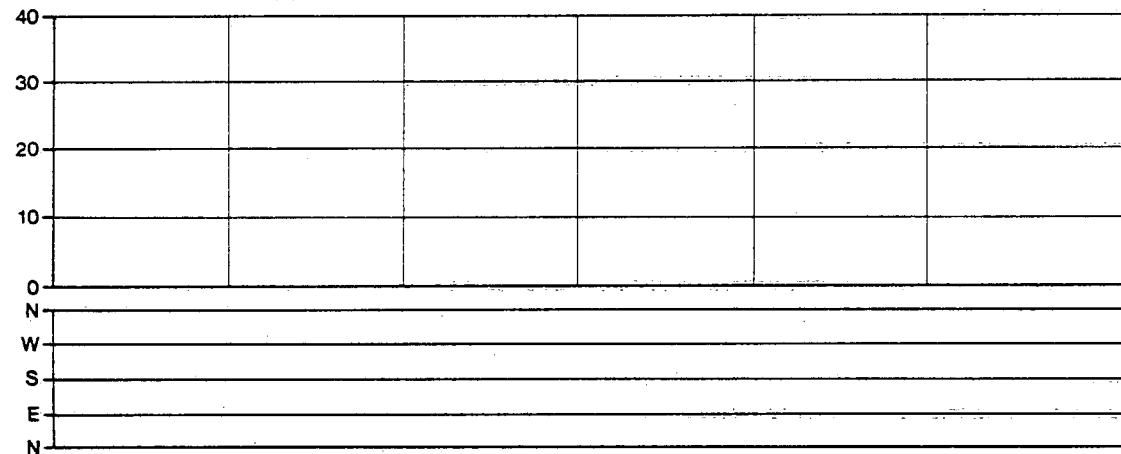
△ - 8 m  
○ - m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



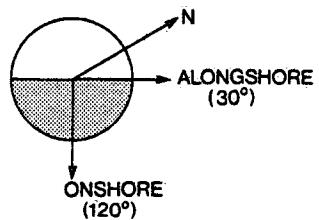
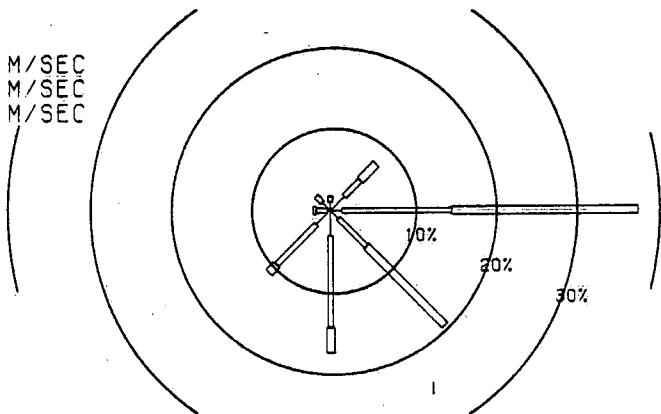
DEPTH: m



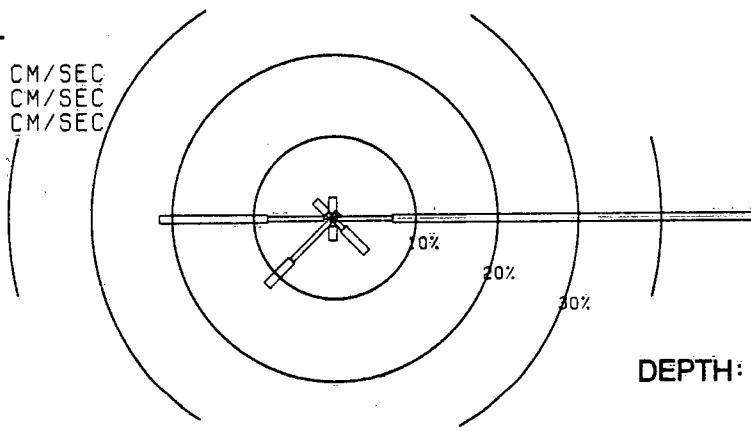
'1 '2 '3 '4 '5 '6 '7 '8 '9 '10 '11 '12 '13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31

MOORING: OH2 DATE: SEPT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

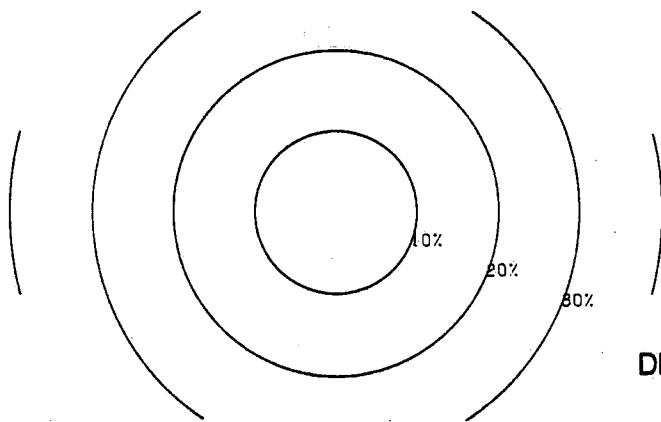
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

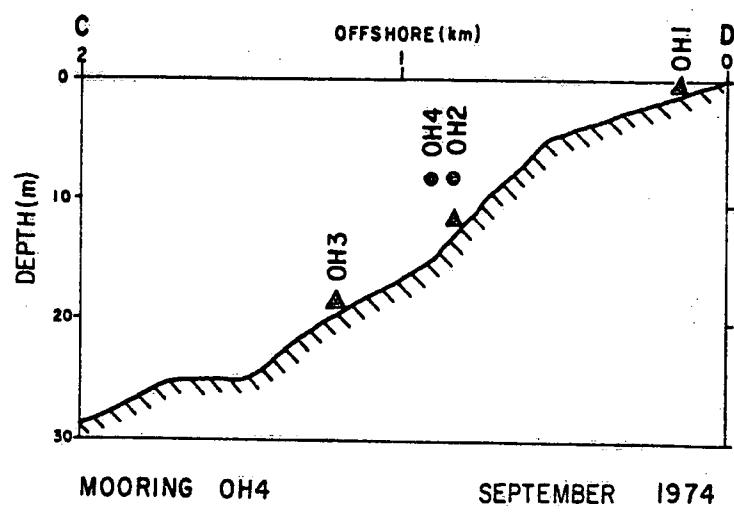


DEPTH: 8 m

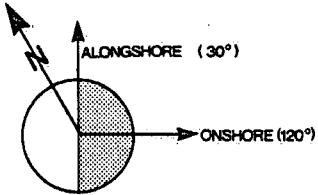


DEPTH: m

\*DIRECTION TOWARDS



MOORING: OH4



DATE: SEPT 1974

WINDSPEED<sup>2</sup>

$m^2/sec^2$

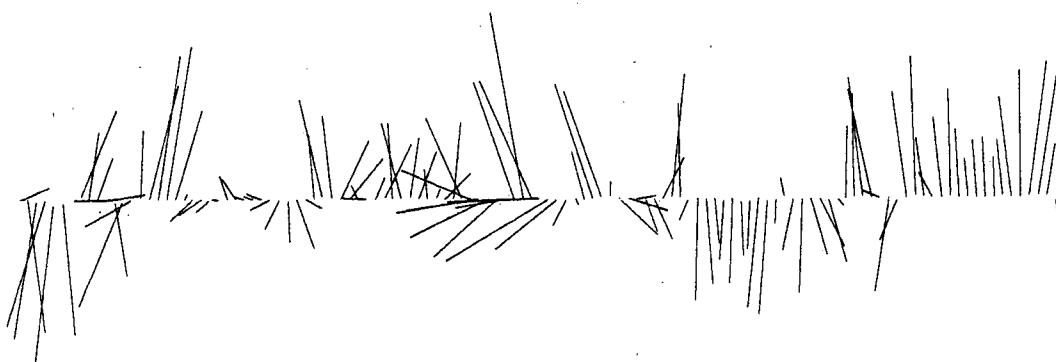
235

152

DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: m

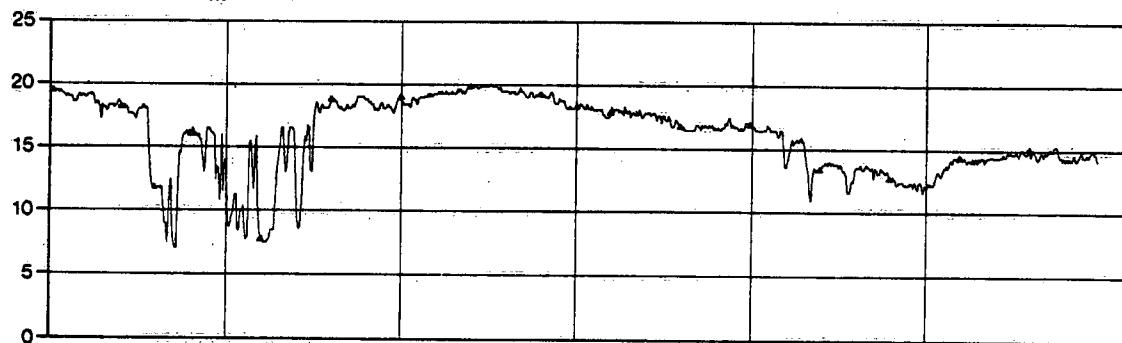
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH4

DATE: SEPT 1974

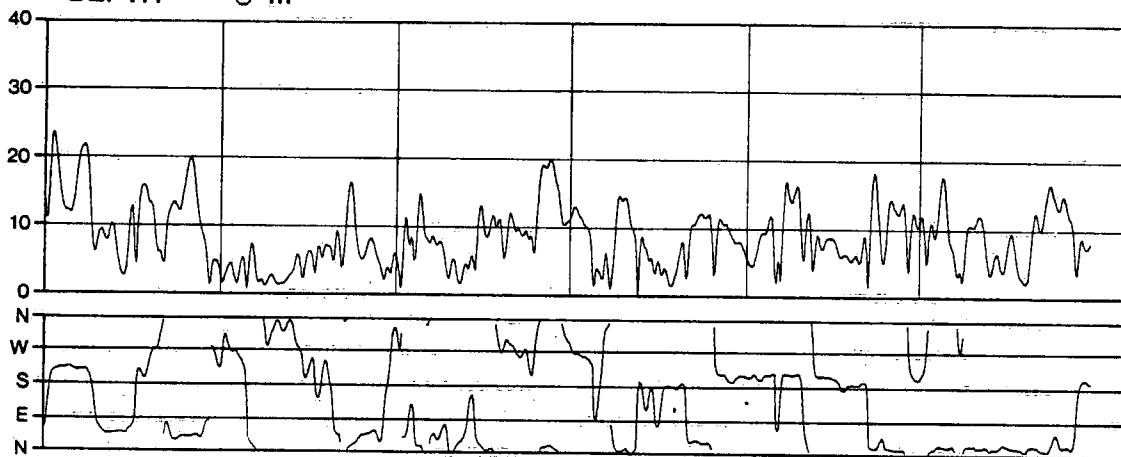
TEMPERATURE °C

△ - 8 m  
○ - m

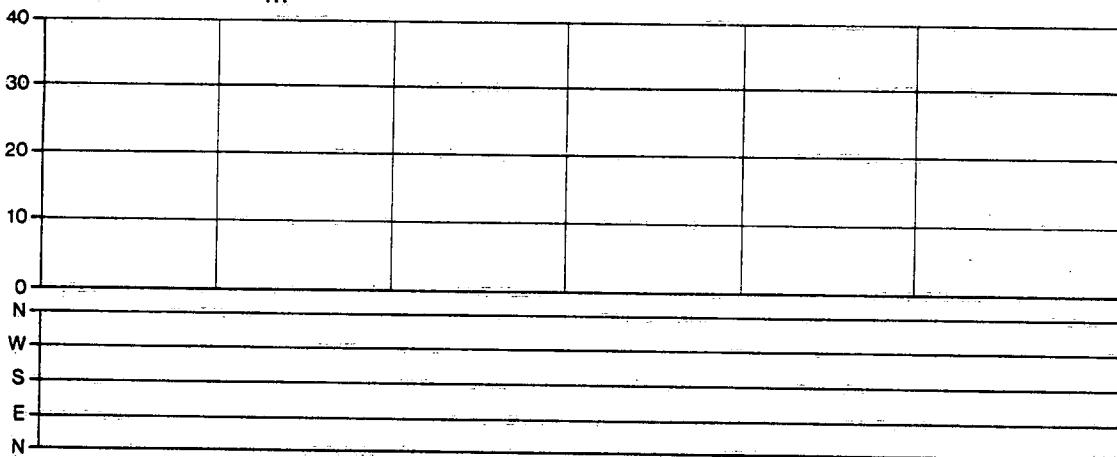


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 8 m



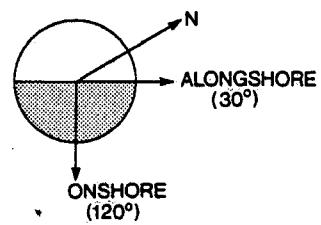
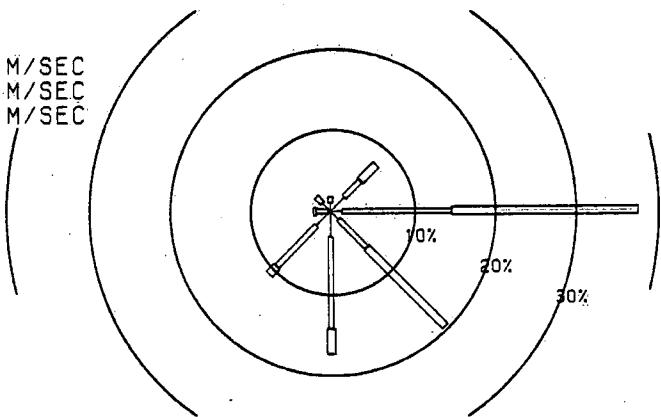
DEPTH: m



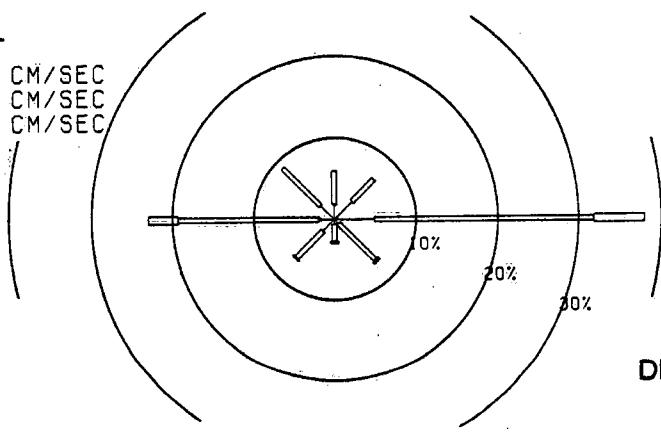
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 0H4 DATE: SEPT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

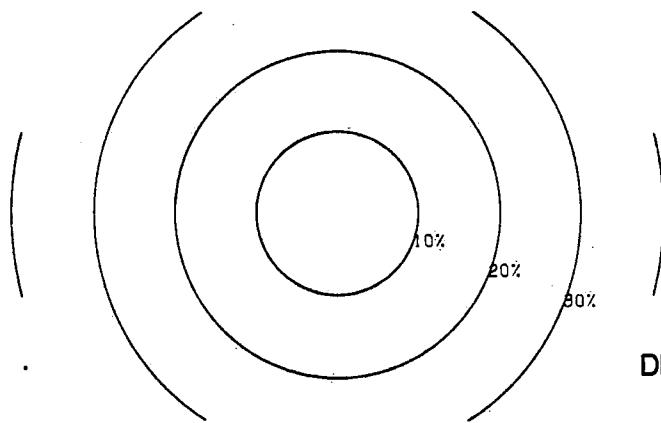
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



DEPTH: 8 m

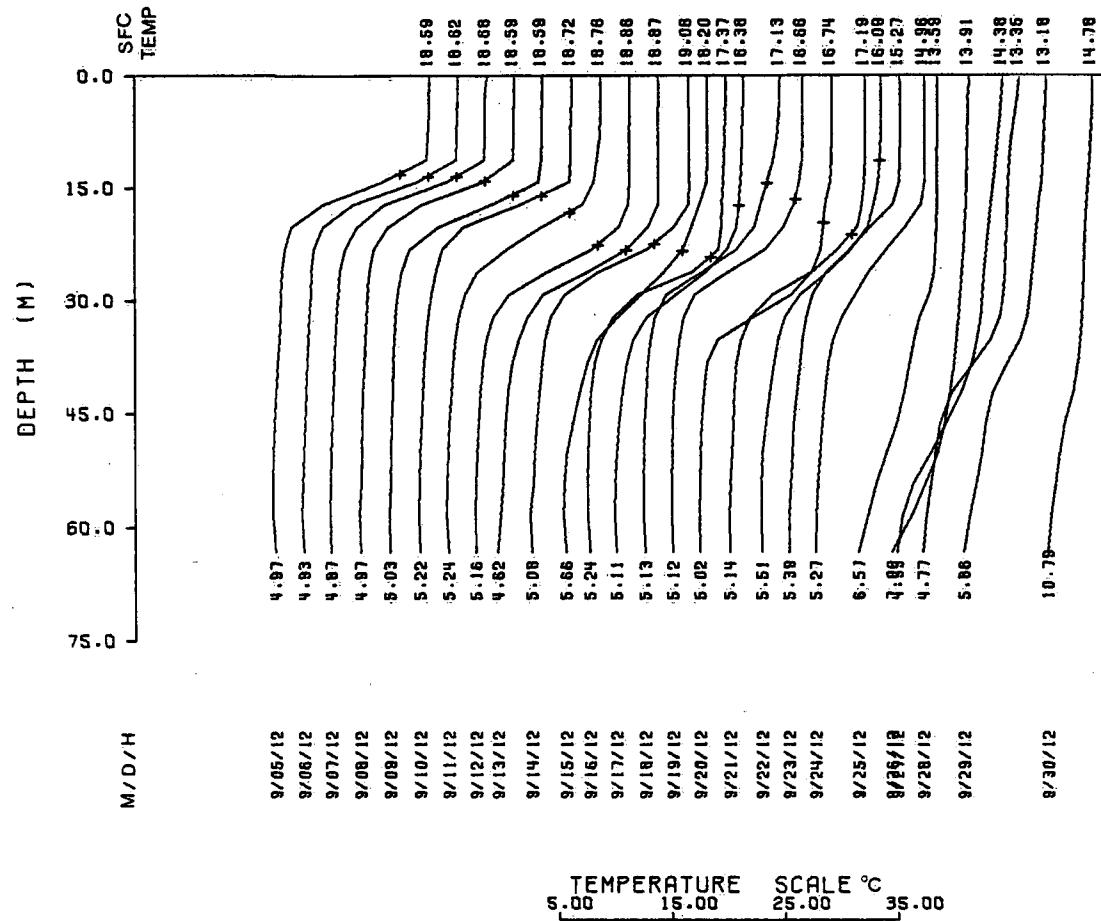


DEPTH: m

\*DIRECTION TOWARDS

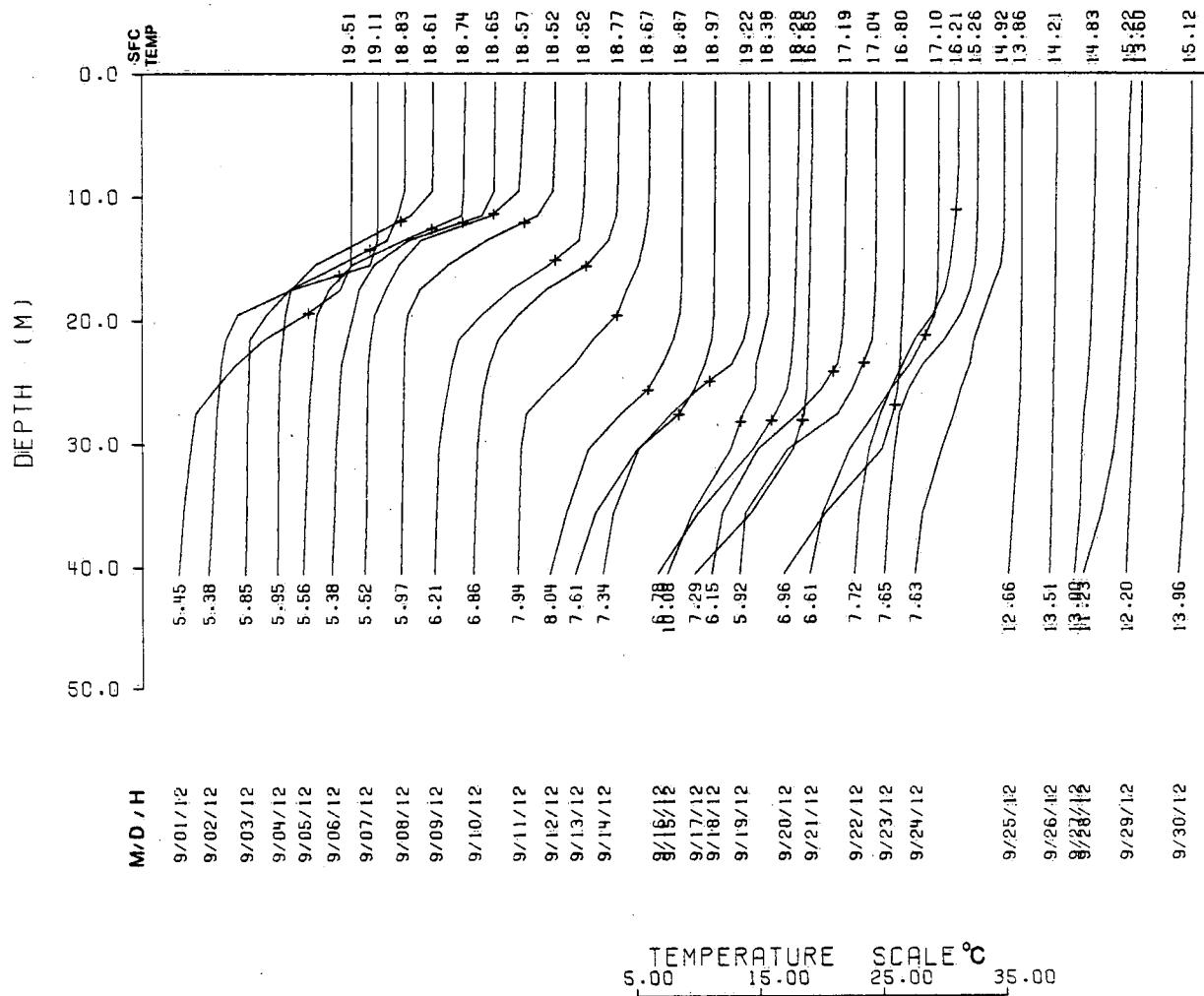
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - SEPTEMBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 4  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



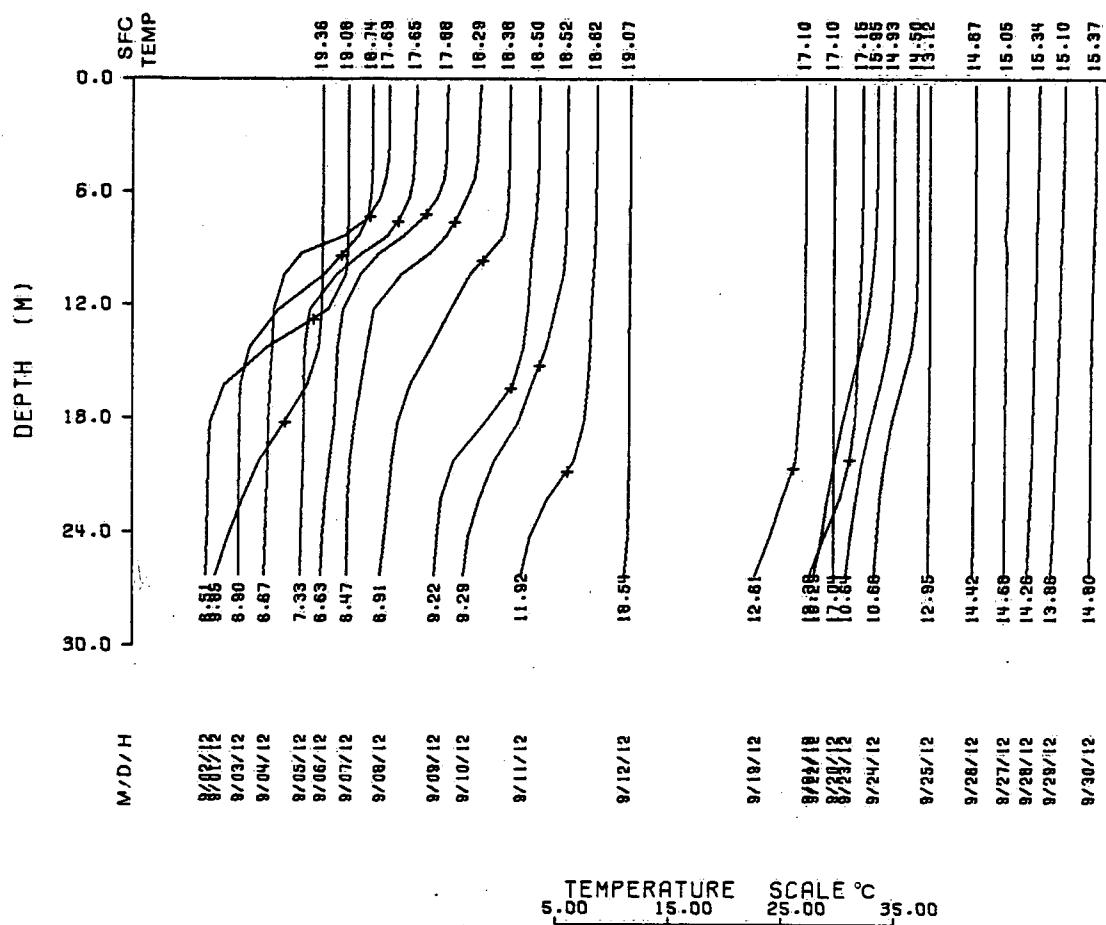
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - SEPTEMBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - S  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



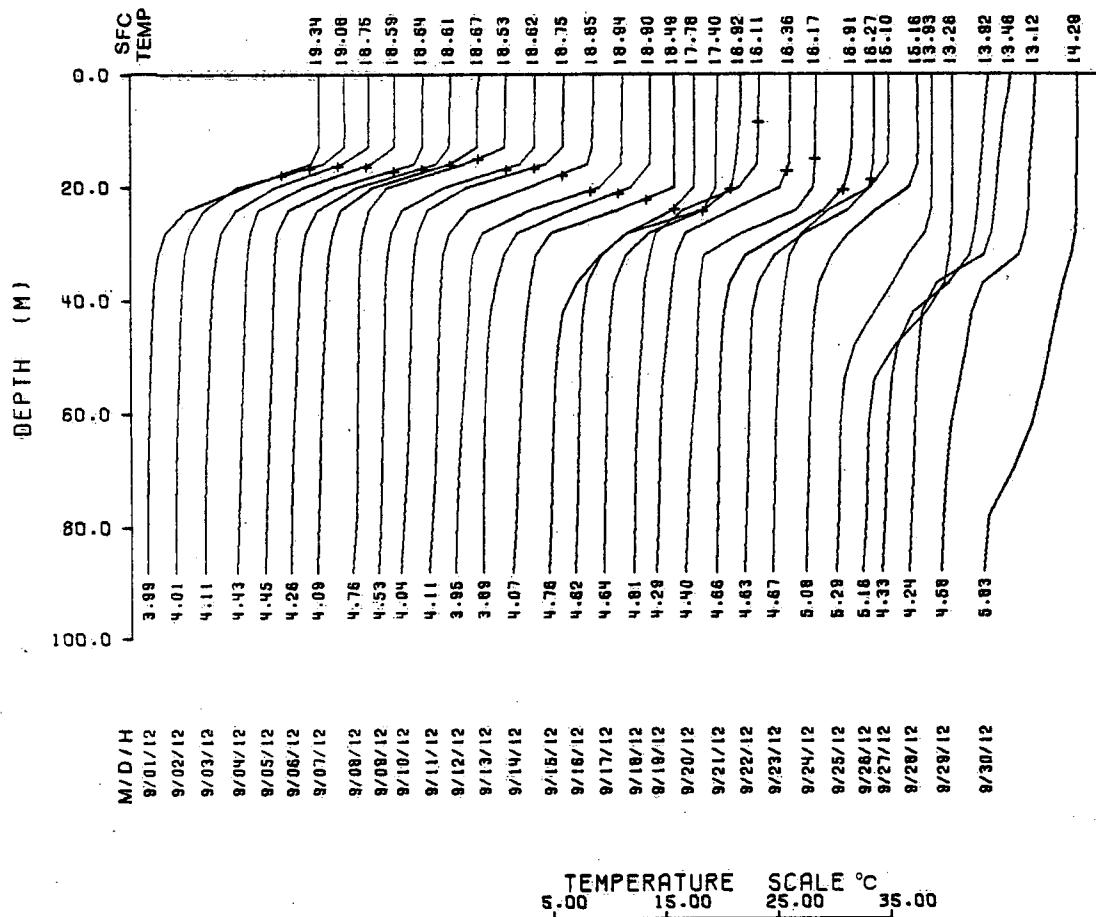
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - SEPTEMBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 6  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



## DAILY AVERAGED TEMPERATURE PROFILES

DATE - SEPTEMBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 7  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 16 DEGREE MARKED WITH +



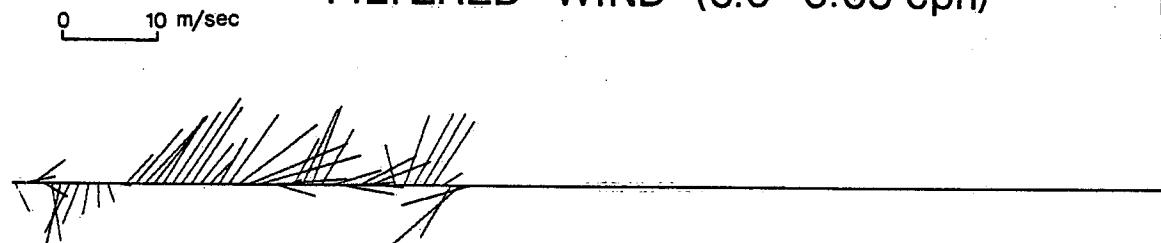
OCTOBER 1974

# METEOROLOGICAL DATA

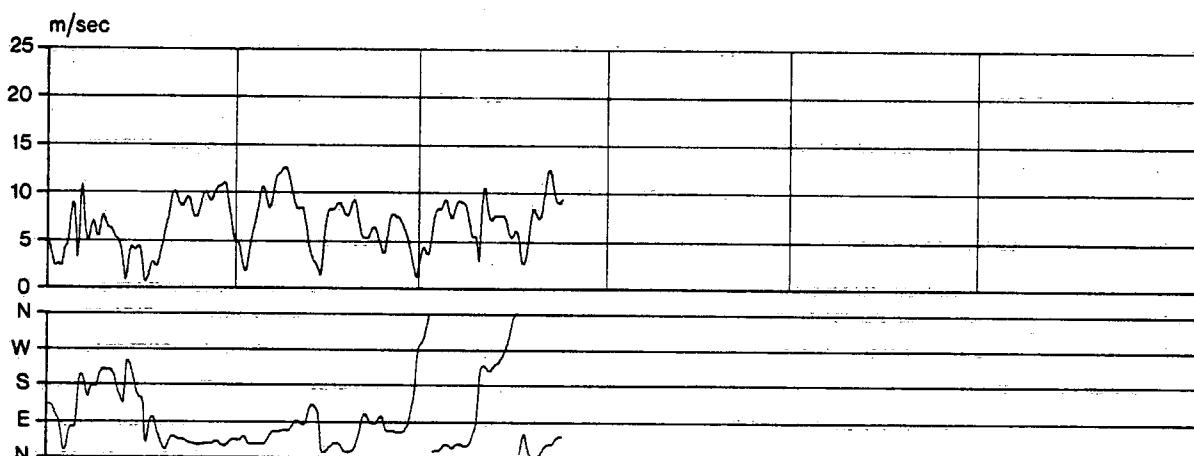
MOORING: 2

DATE: OCT 1974

## FILTERED WIND (0.0-0.05 cph)



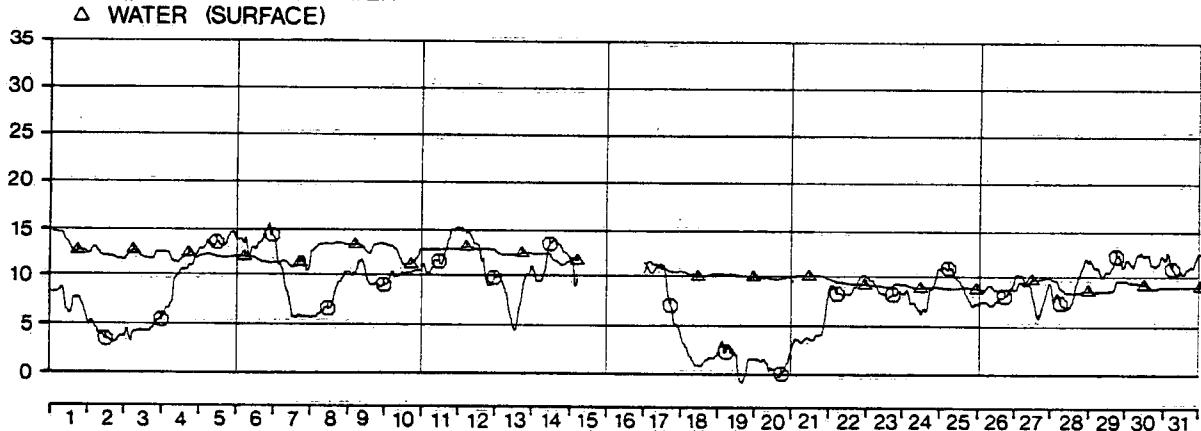
## FILTERED WIND (0.0-0.2 cph)\*



\* DIRECTION TOWARDS

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

## TEMPERATURE °C



## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

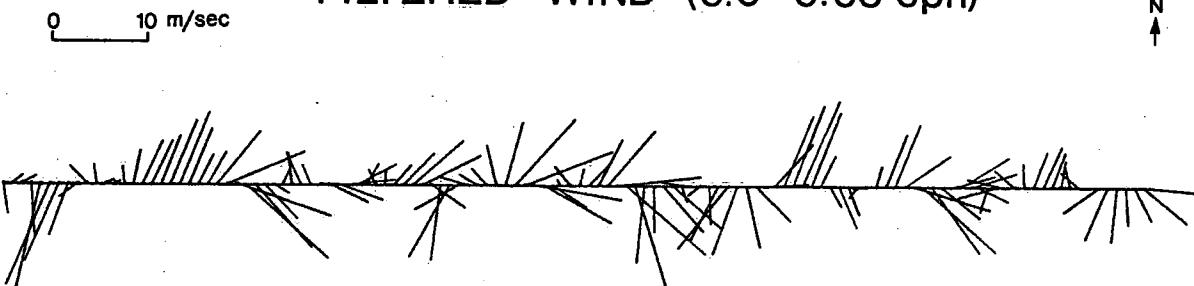
DAY	TMAX	TMIN	DAY	T MAX	TMIN	DAY	T MAX	TMIN	DAY	T MAX	TMIN
1	8.7	5.3	9	11.8	8.8	17	11.6	4.4	25	11.2	7.1
2	5.3	3.0	10	10.6	9.0	18	3.8	0.8	26	9.6	7.1
3	5.5	3.1	11	15.2	10.2	19	3.5	-0.9	27	10.5	5.8
4	12.5	5.8	12	15.1	9.0	20	2.3	-0.4	28	12.1	6.8
5	14.7	12.8	13	11.1	4.4	21	8.1	2.9	29	12.5	10.1
6	15.7	12.0	14	14.0	9.4	22	10.3	8.1	30	12.8	11.2
7	14.1	5.5	15	12.0	9.0	23	10.1	7.9	31	12.8	10.5
8	10.4	5.6	16			24	11.1	6.2			

# METEOROLOGICAL DATA

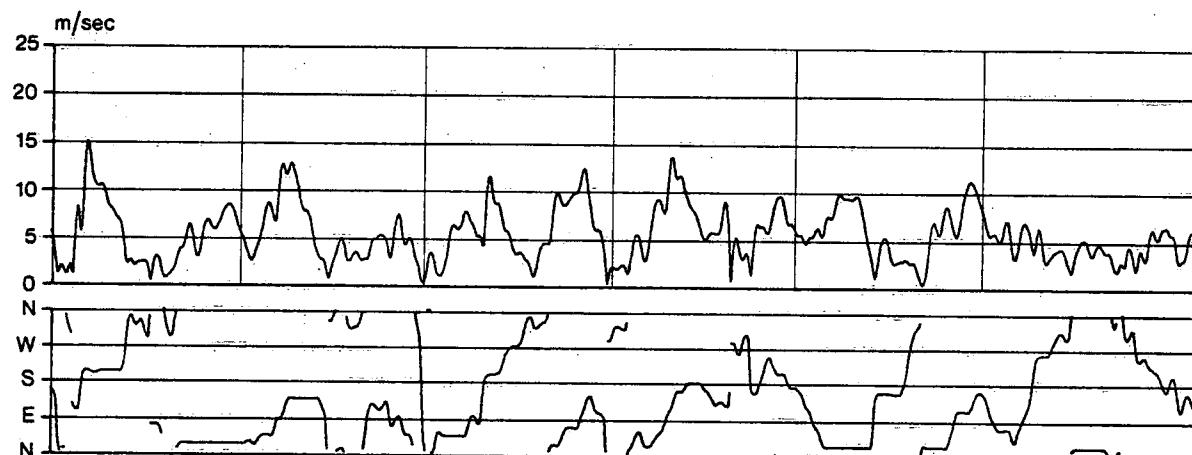
MOORING: OH7

DATE: OCT 1974

FILTERED WIND (0.0-0.05 cph)



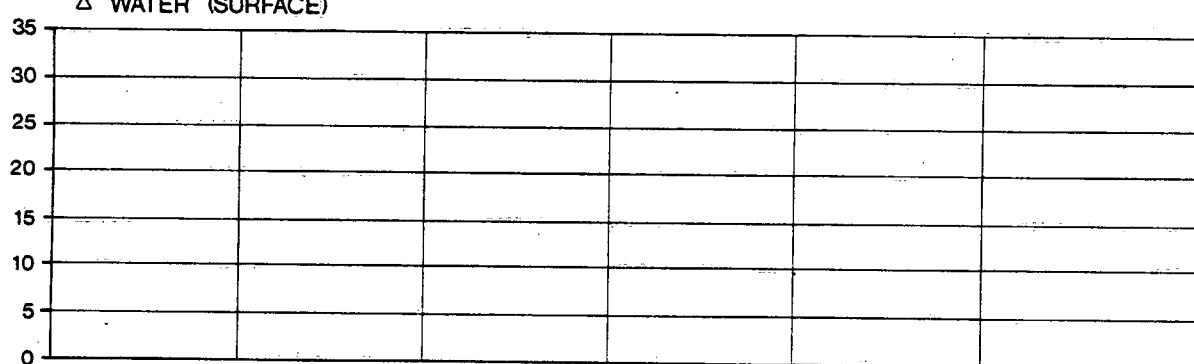
FILTERED WIND (0.0-0.2 cph)\*



\* DIRECTION TOWARDS

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

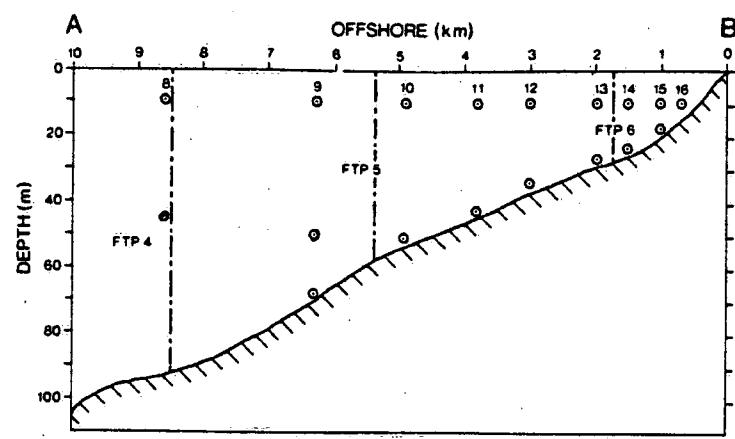
TEMPERATURE °C



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 27 28 29 30 31

DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN	DAY	T MAX	TMIN	DAY	T MAX	T MIN	DAY	T MAX	T MIN
1			9			17			25		
2			10			18			26		
3			11			19			27		
4			12			20			28		
5			13			21			29		
6			14			22			30		
7			15			23			31		
8			16			24					

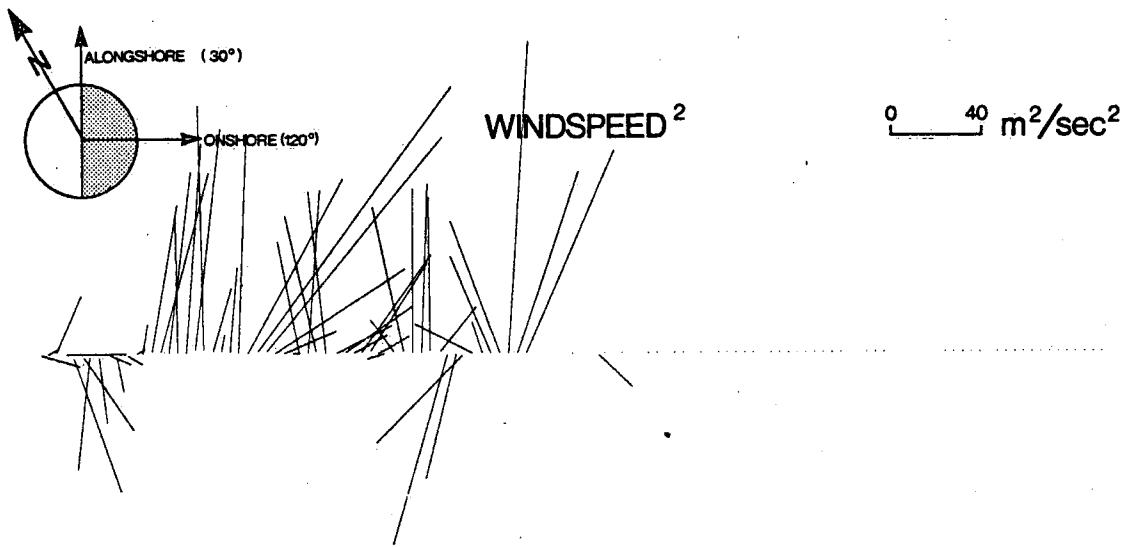


MOORING 8

OCTOBER 1974

MOORING: 8

DATE: OCT 1974

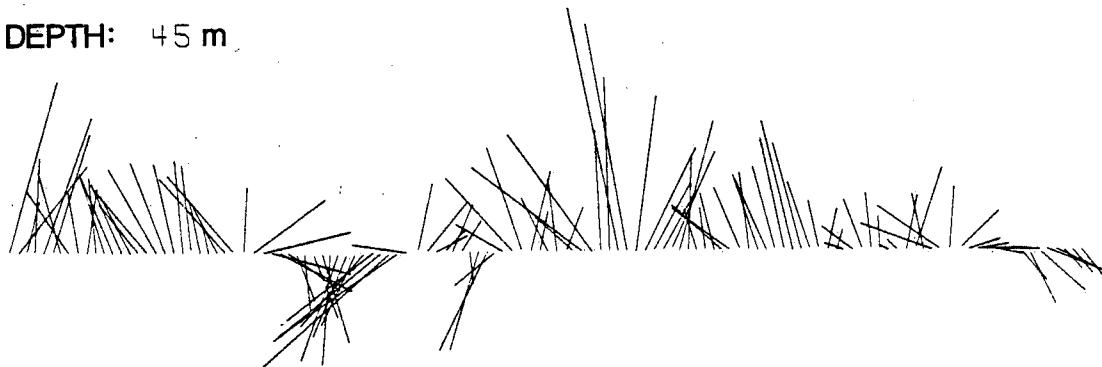


DEPTH: m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 45 m



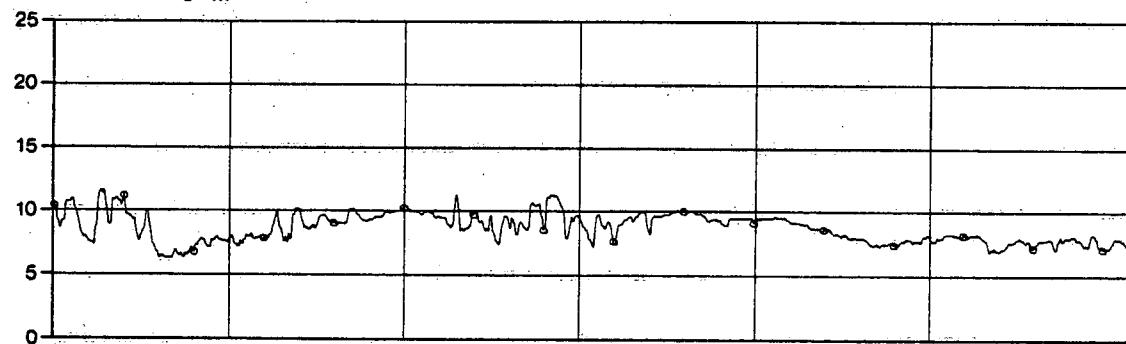
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 8

DATE: OCT 1974

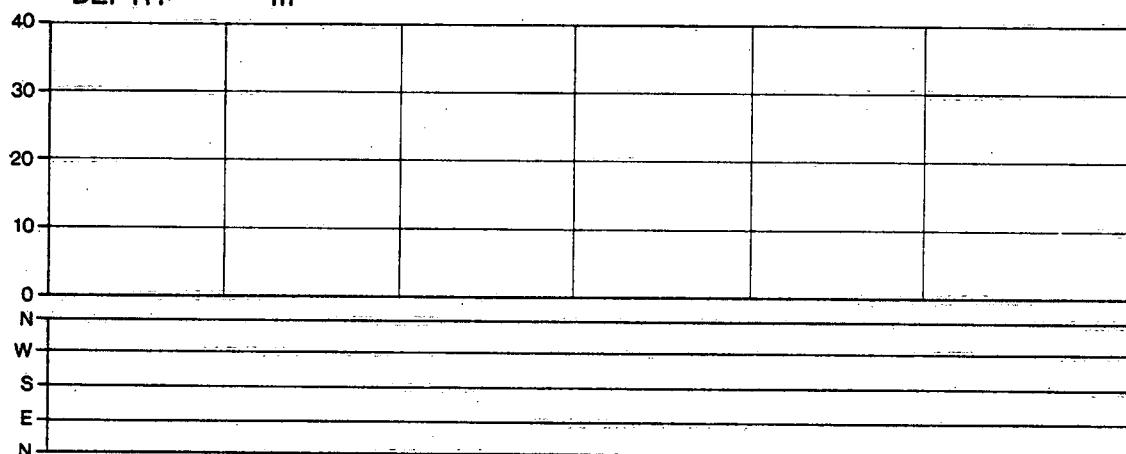
TEMPERATURE °C

△ - m  
○ - 45 m

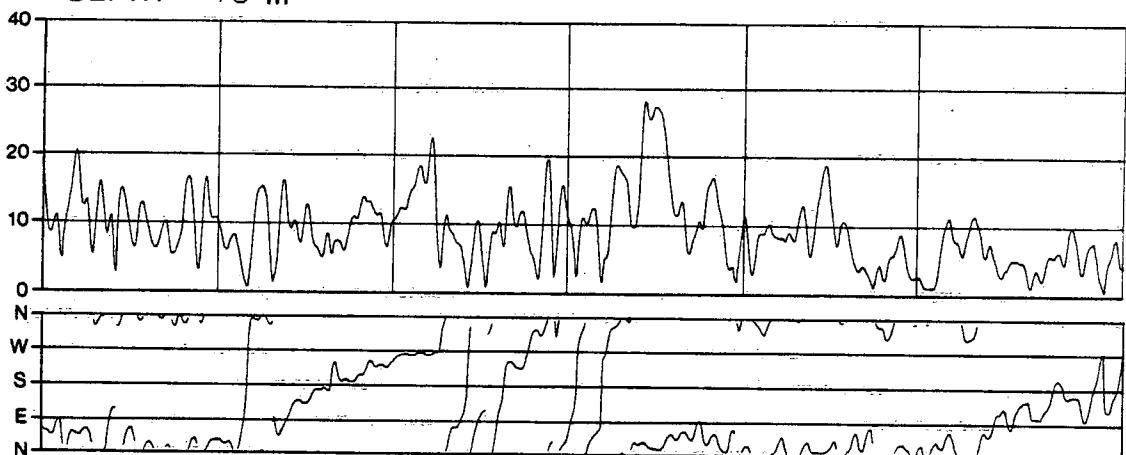


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: m

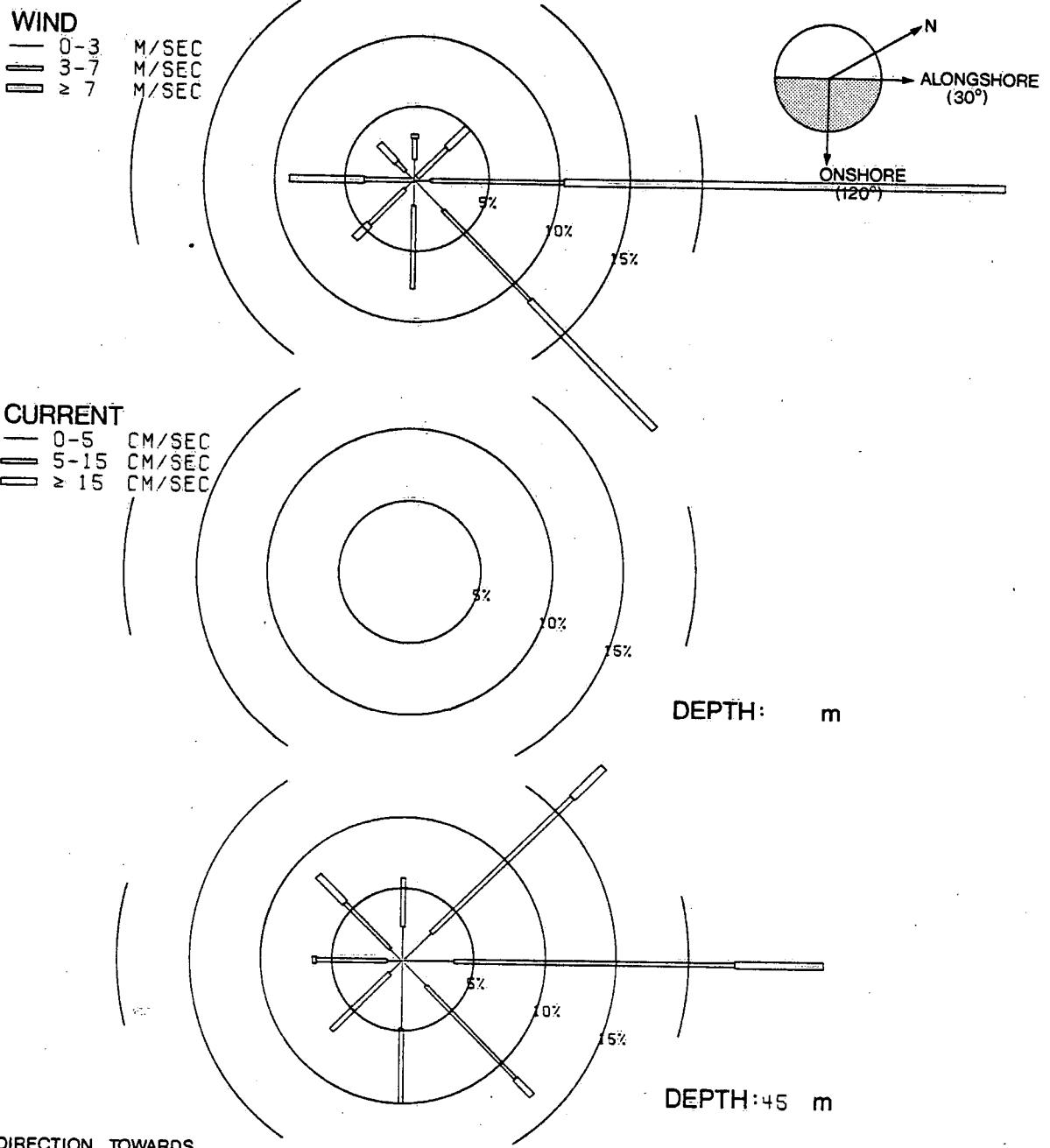


DEPTH: 45 m

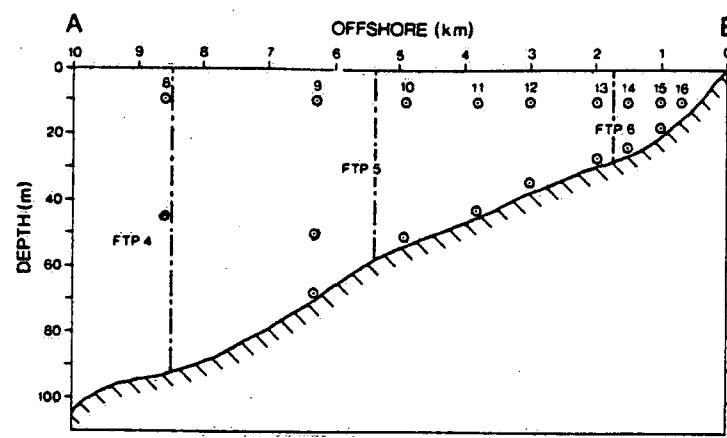


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 8 DATE: OCT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*



\*DIRECTION TOWARDS

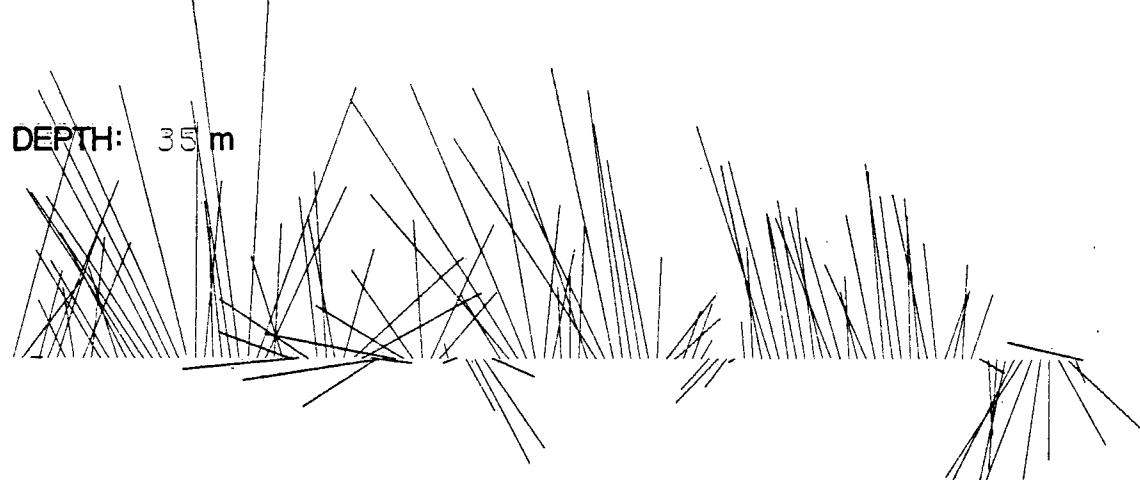
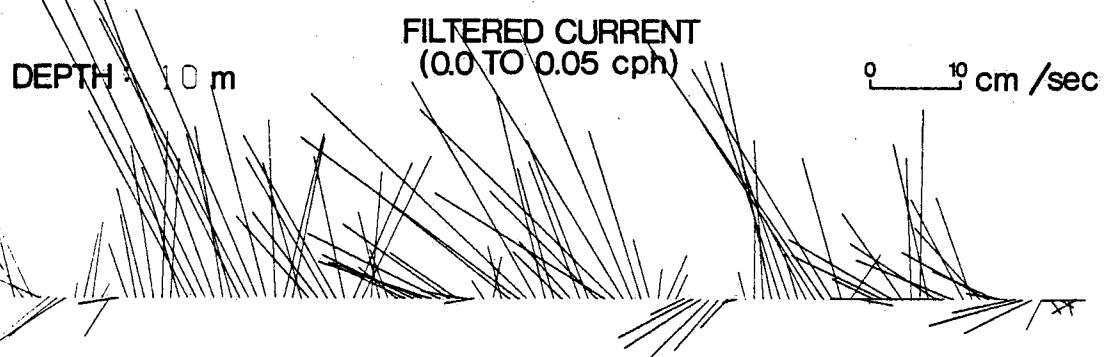
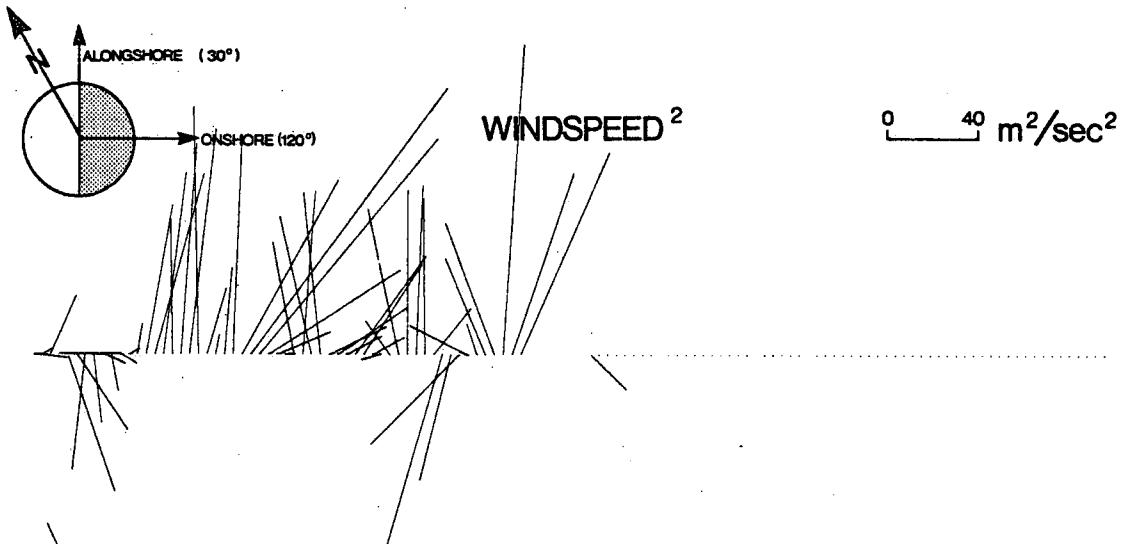


MOORING 9

OCTOBER 1974

MOORING: 9

DATE: OCT 1974



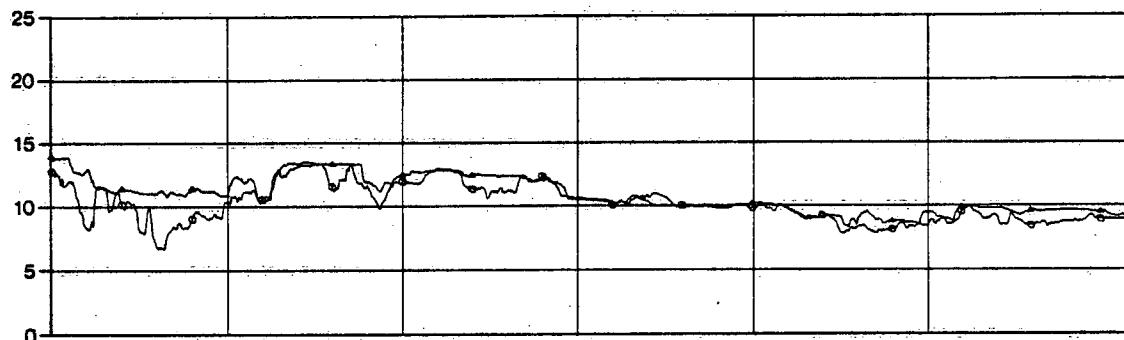
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

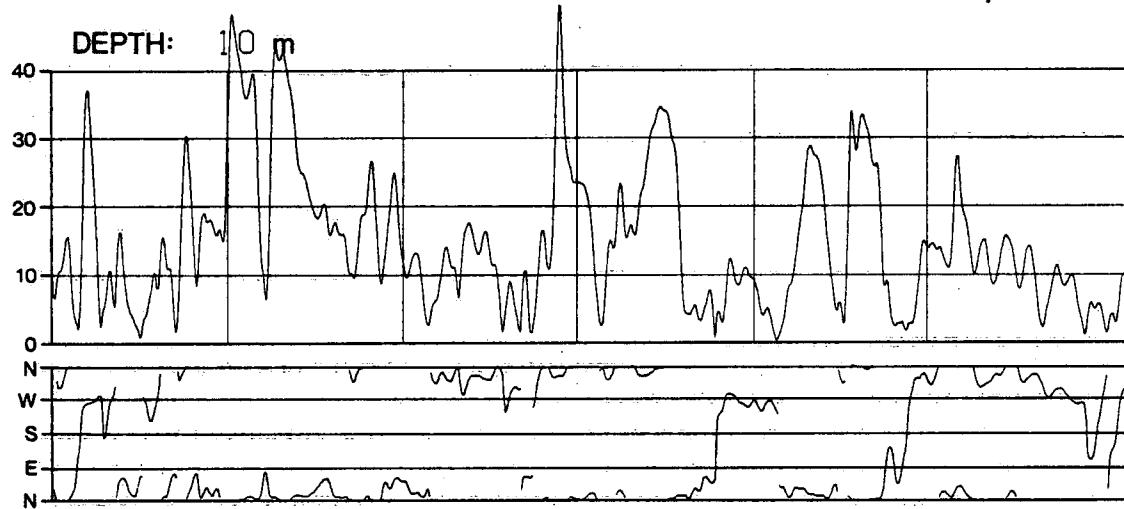
DATE: OCT 1974

TEMPERATURE °C

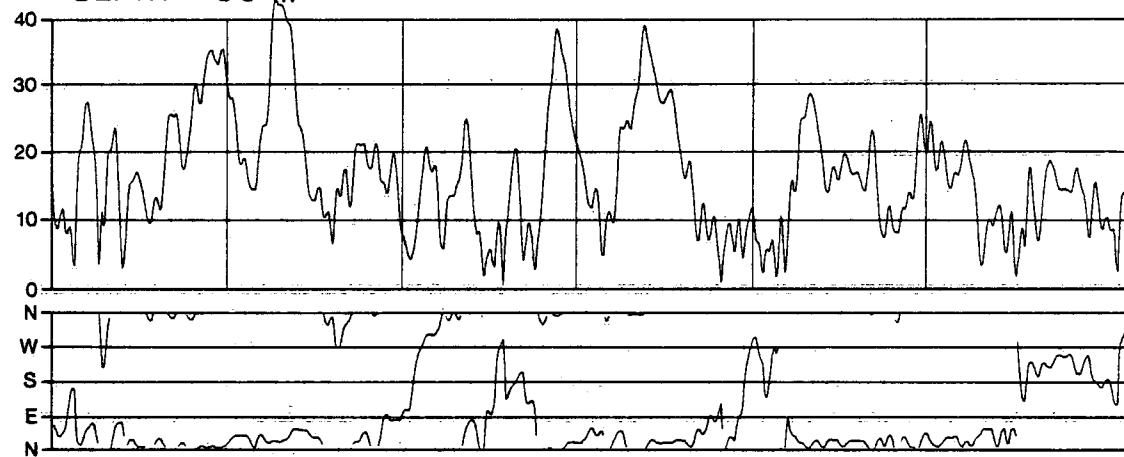
△ - 10 m  
○ - 35 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 35 m

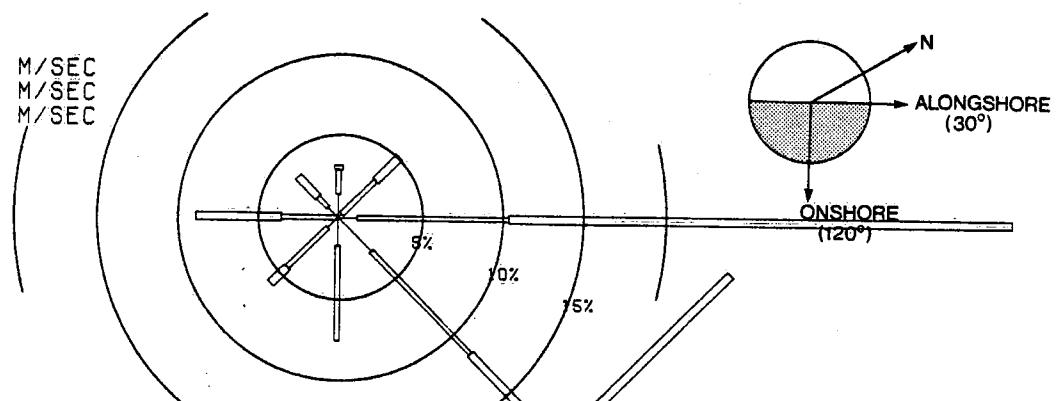


'1' '2' '3' '4' '5' '6' '7' '8' '9' '10' '11' '12' '13' '14' '15' '16' '17' '18' '19' '20' '21' '22' '23' '24' '25' '26' '27' '28' '29' '30' '31'

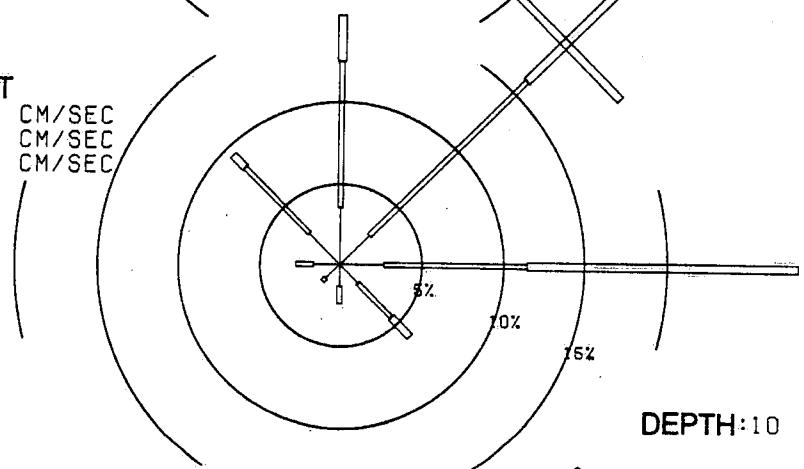
MOORING: 9 DATE: OCT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

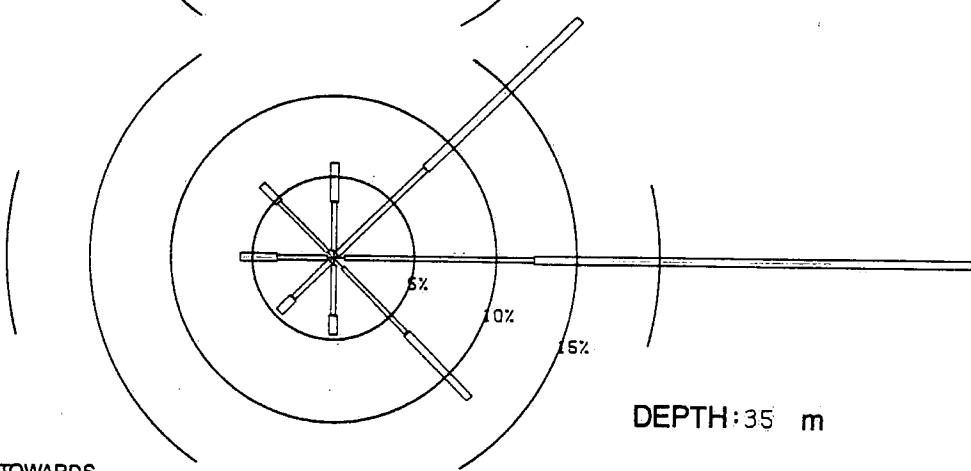
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

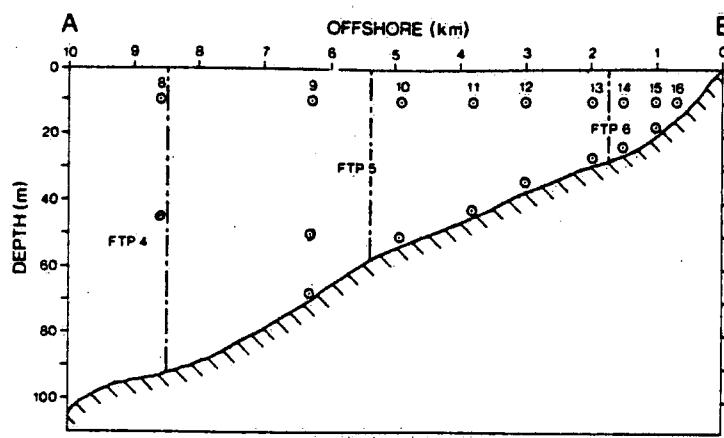


DEPTH: 10 m



DEPTH: 35 m

\*DIRECTION TOWARDS

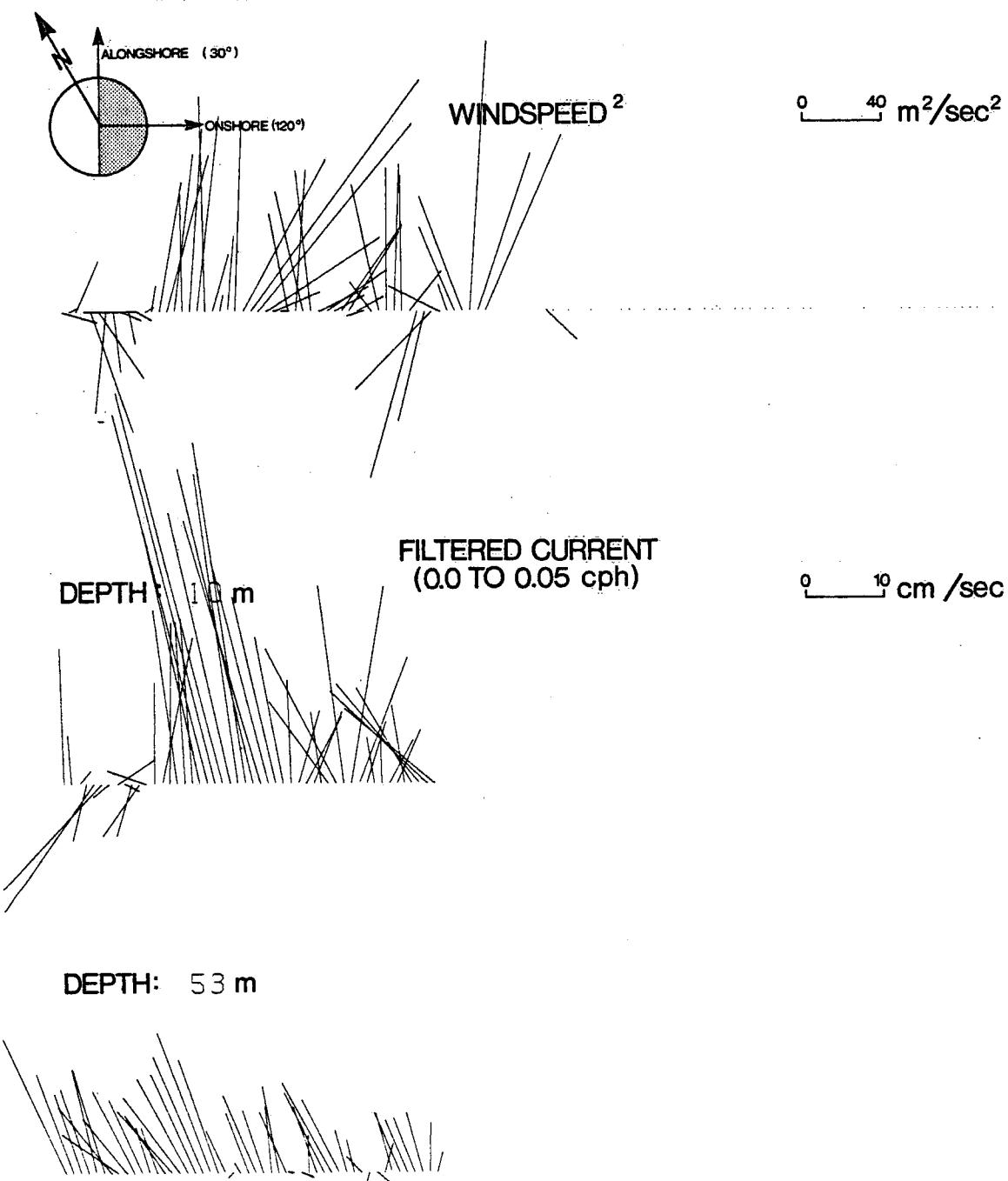


MOORING 10

OCTOBER 1974

MOORING: 10

DATE: OCT 1974



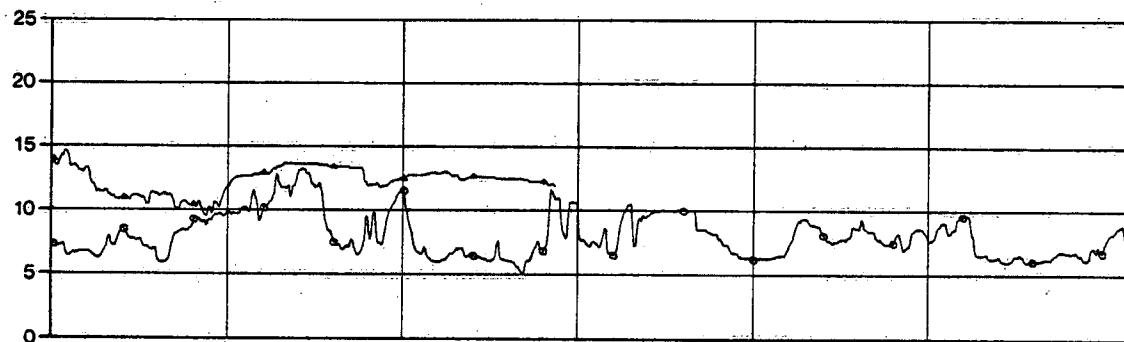
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 10

DATE: OCT 1974

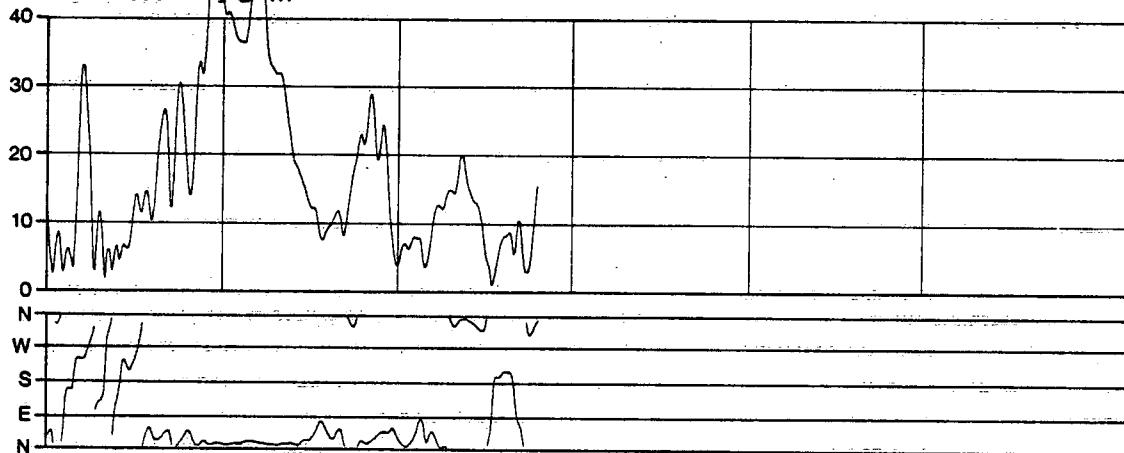
TEMPERATURE °C

△ - 10 m  
○ - 53 m

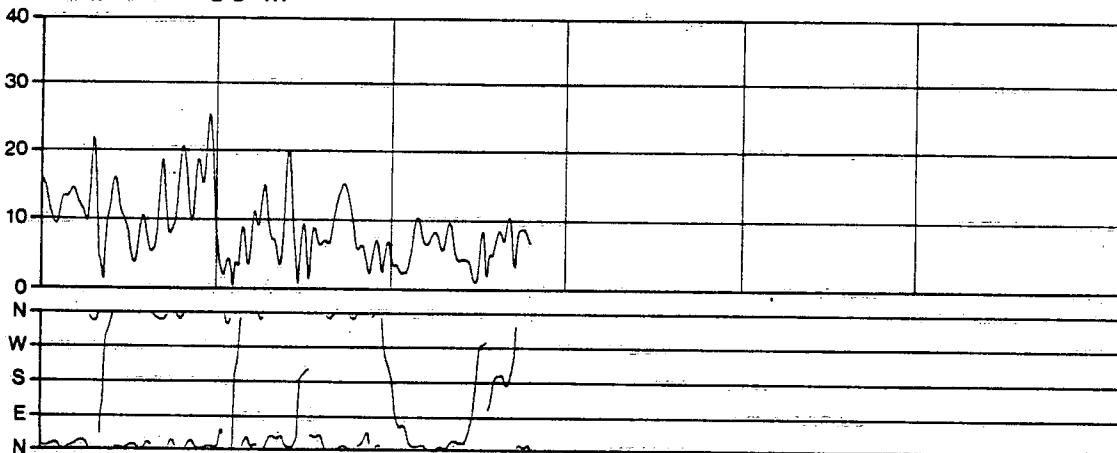


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 53 m

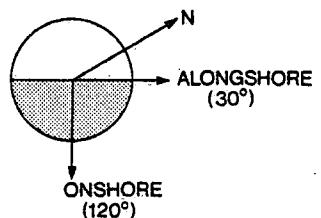
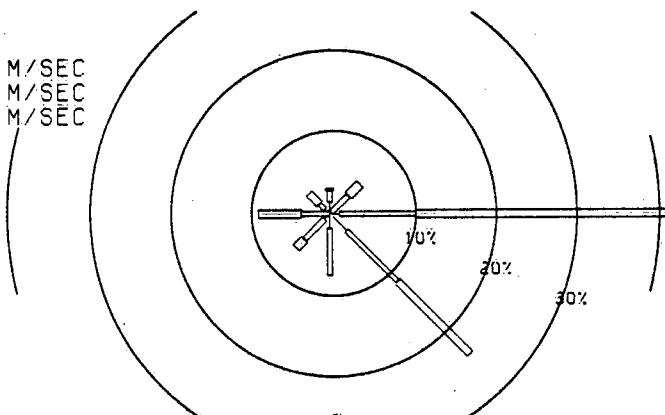


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

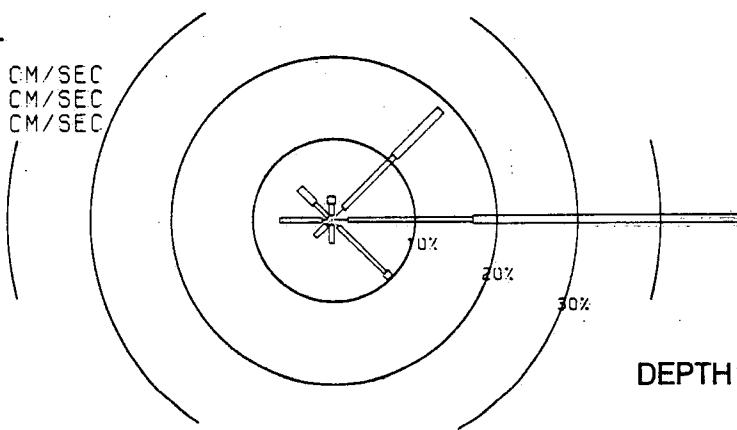
MOORING: 10 DATE: OCT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

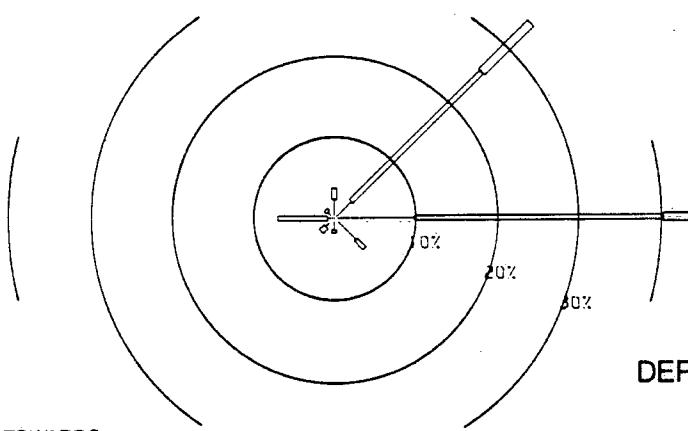
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

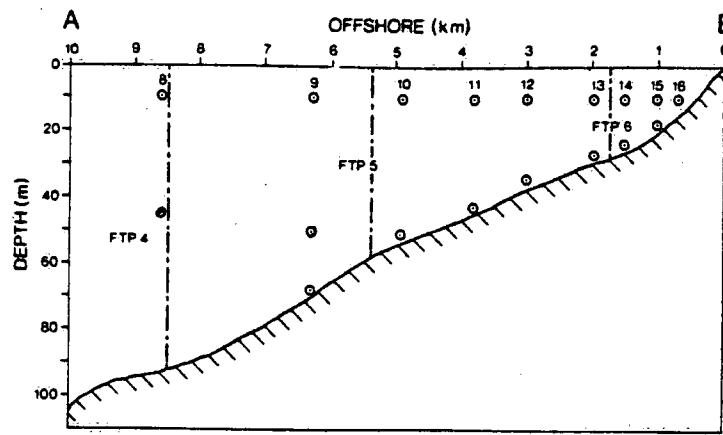


DEPTH: 10 m



DEPTH: 52 m

\*DIRECTION TOWARDS

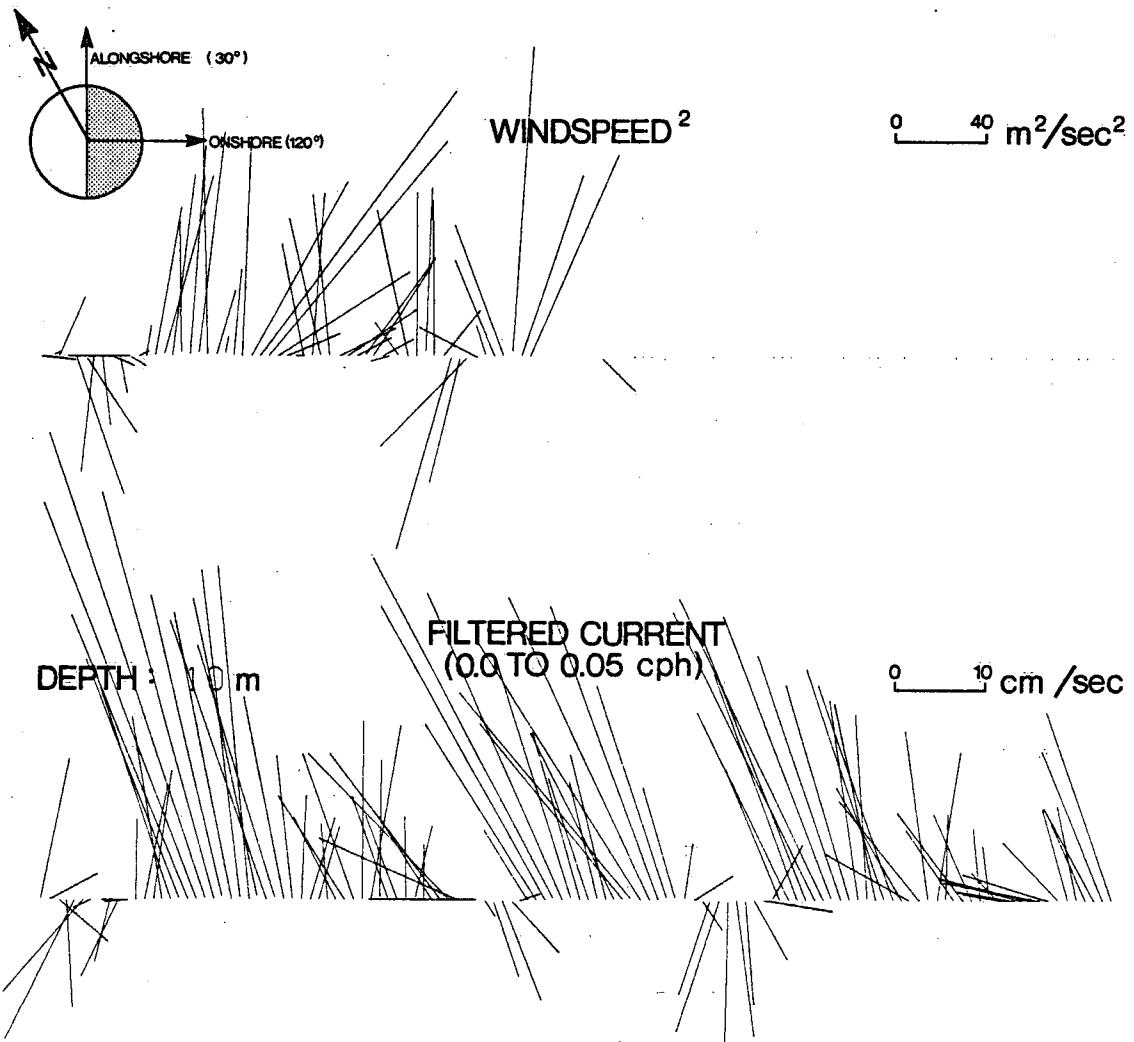


MOORING 11

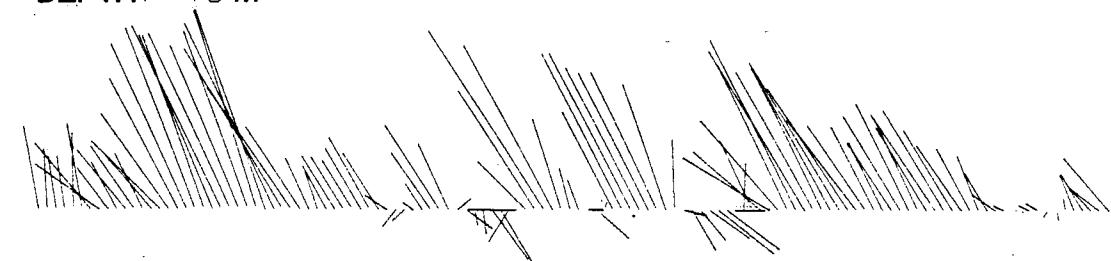
OCTOBER 1974

MOORING: 11

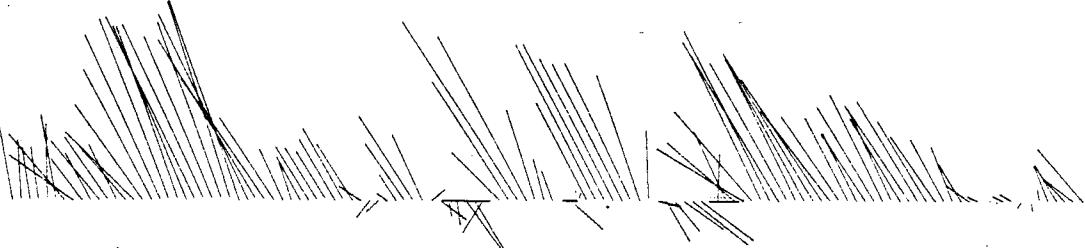
DATE: OCT 1974



DEPTH: 10 m



DEPTH: 40 m



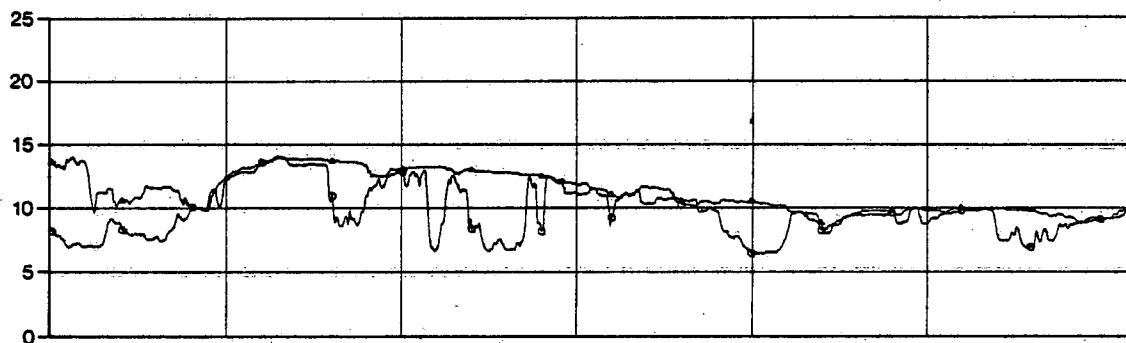
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11

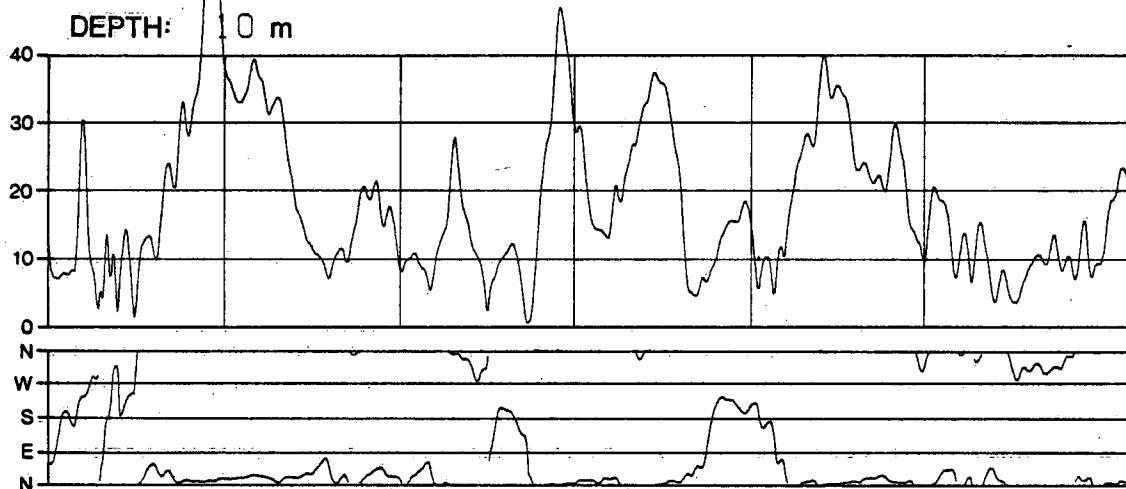
DATE: OCT 1974

TEMPERATURE °C

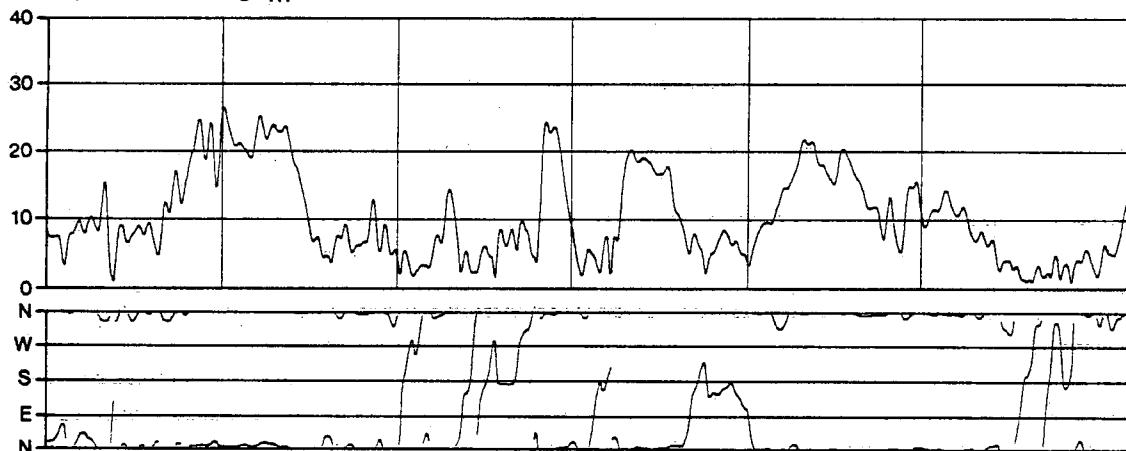
△ - 10 m  
○ - 40 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 40 m

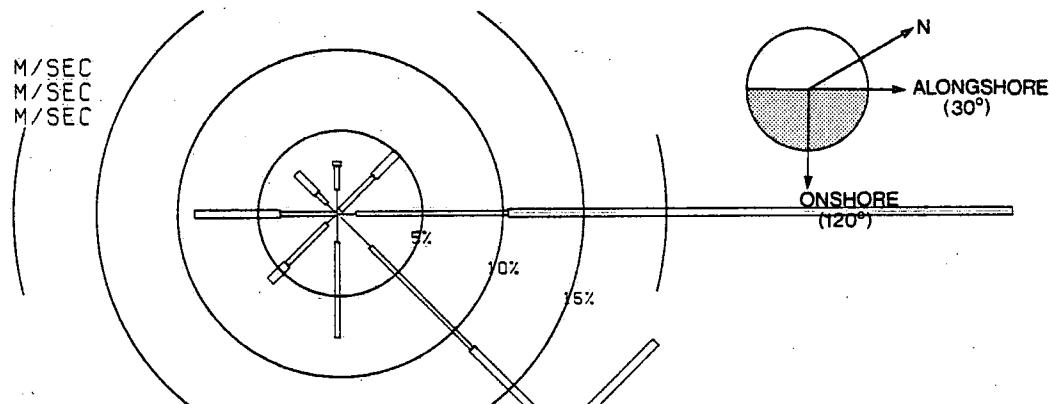


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11      DATE: OCT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

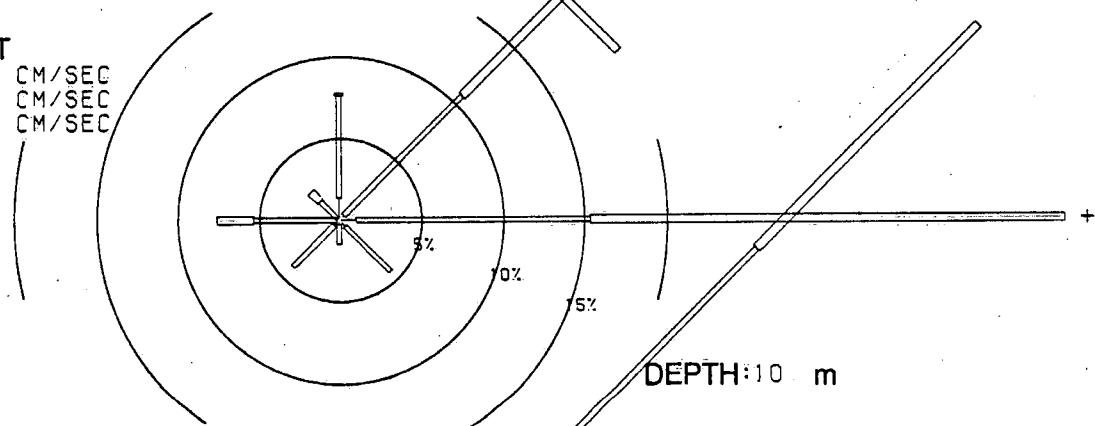
WIND

—	0-3	M/SEC
—	3-7	M/SEC
—	$\geq 7$	M/SEC

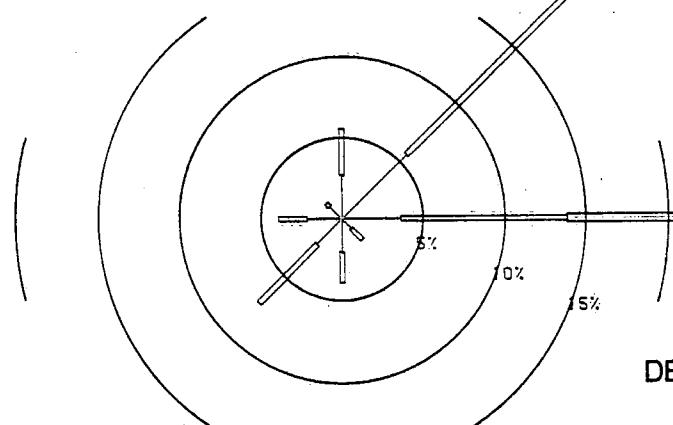


CURRENT

—	0-5	CM/SEC
—	5-15	CM/SEC
—	$\geq 15$	CM/SEC

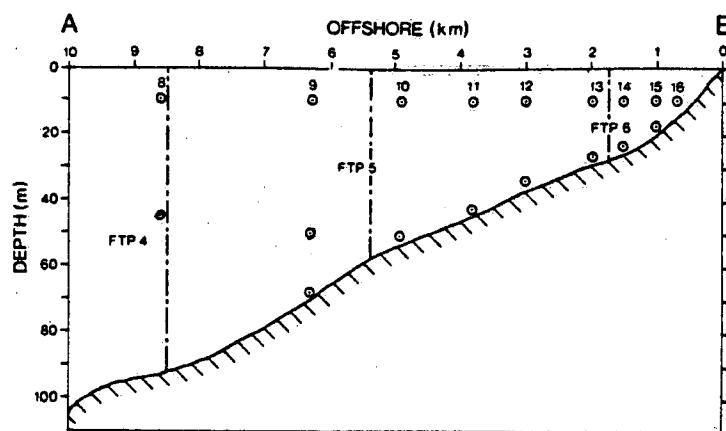


DEPTH: 10 m



DEPTH: 40 m

\*DIRECTION TOWARDS

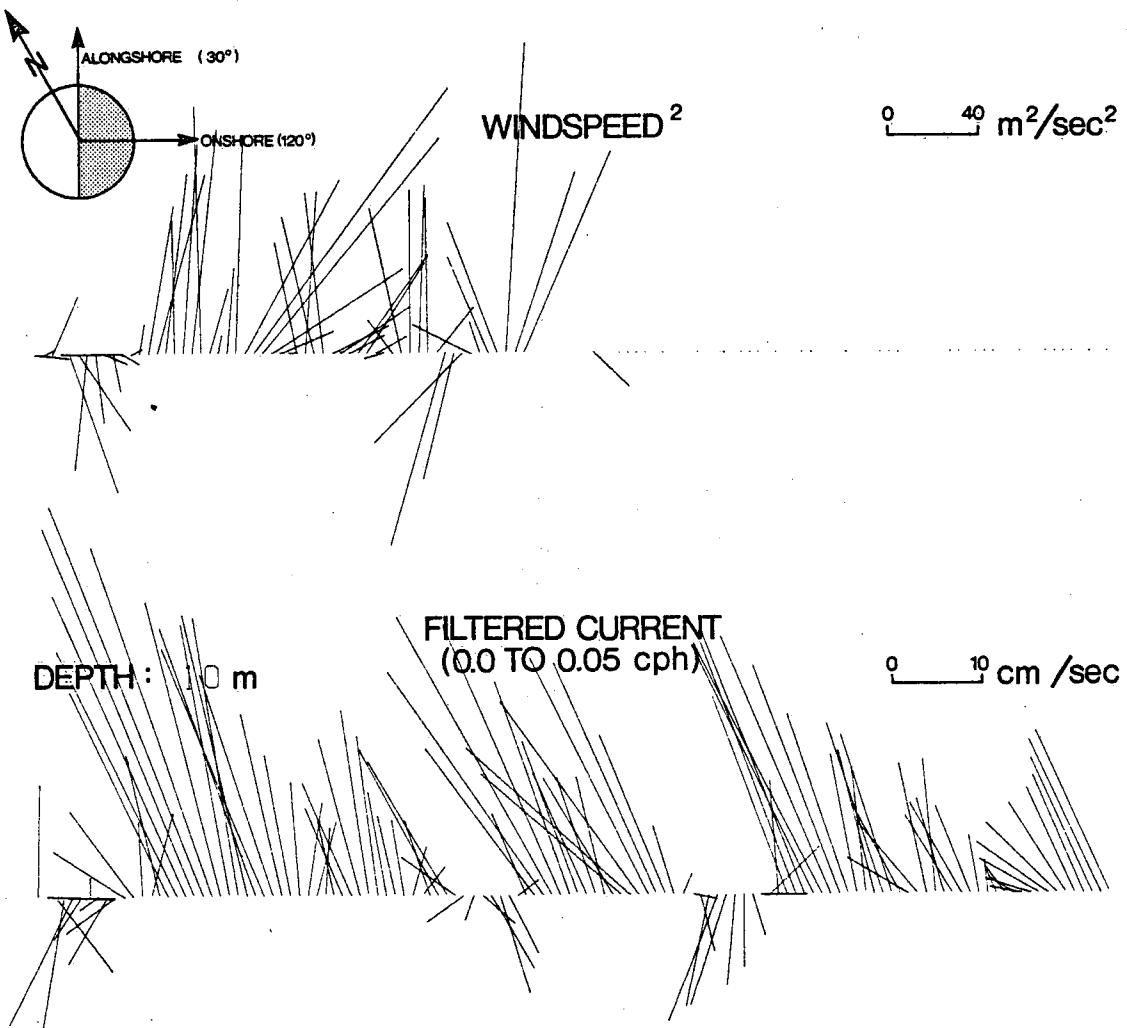


MOORING 12

OCTOBER 1974

MOORING: 12

DATE: OCT 1974



DEPTH: 35 m



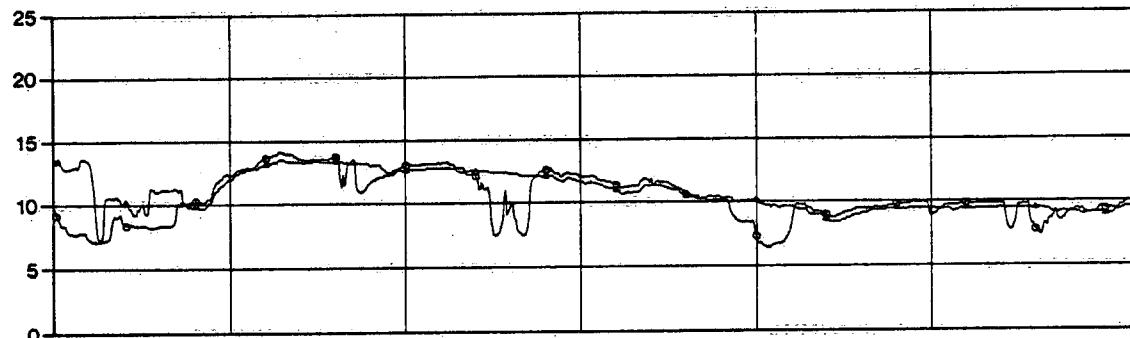
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12

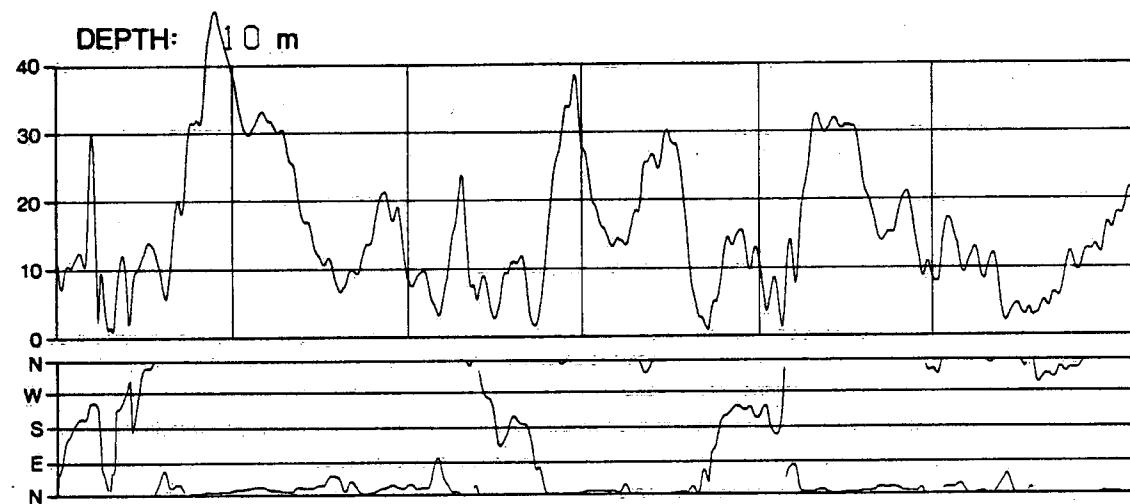
DATE: OCT 1974

TEMPERATURE °C

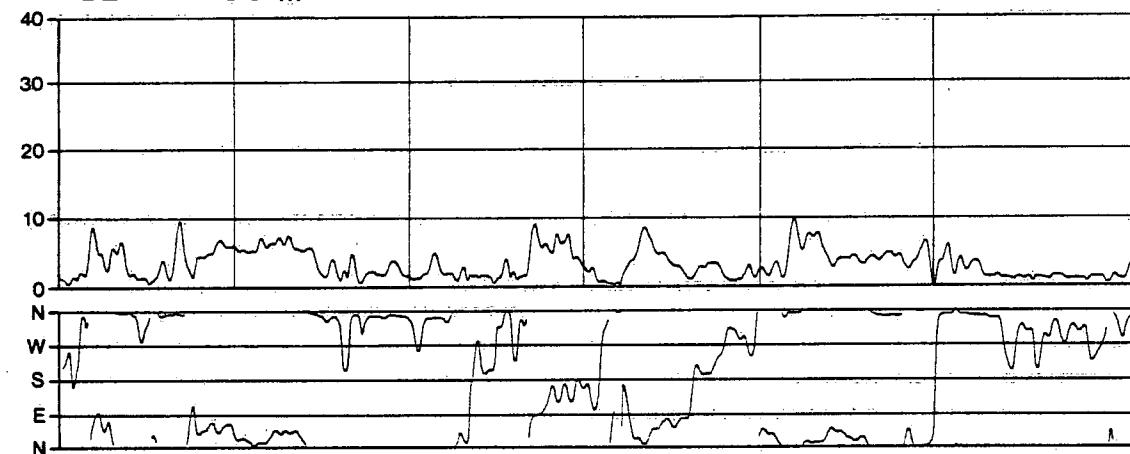
△ - 10 m  
○ - 35 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 35 m



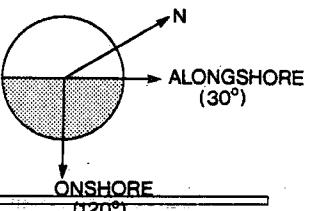
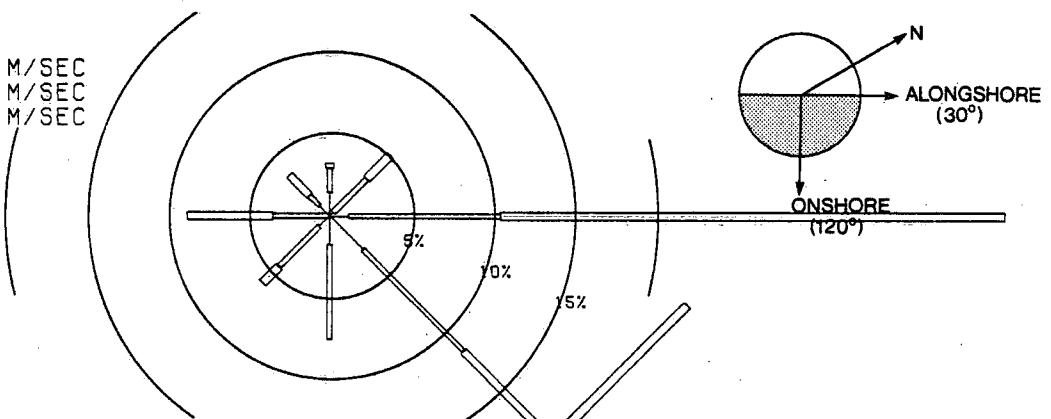
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 12

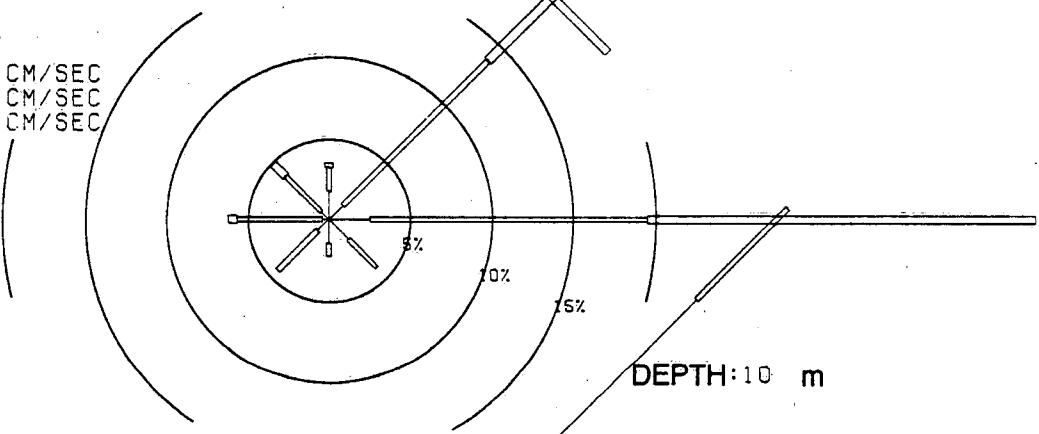
DATE: OCT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

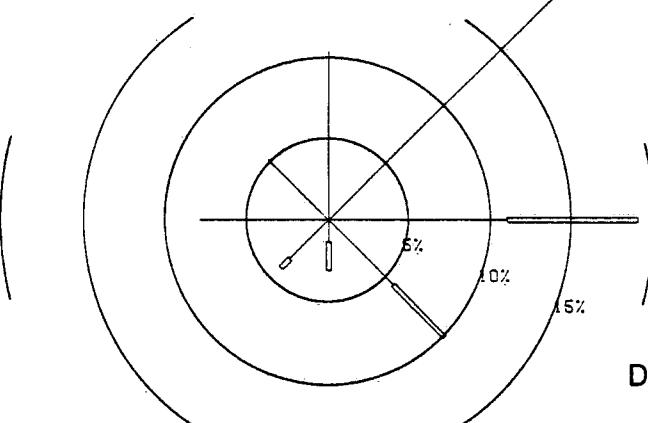
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

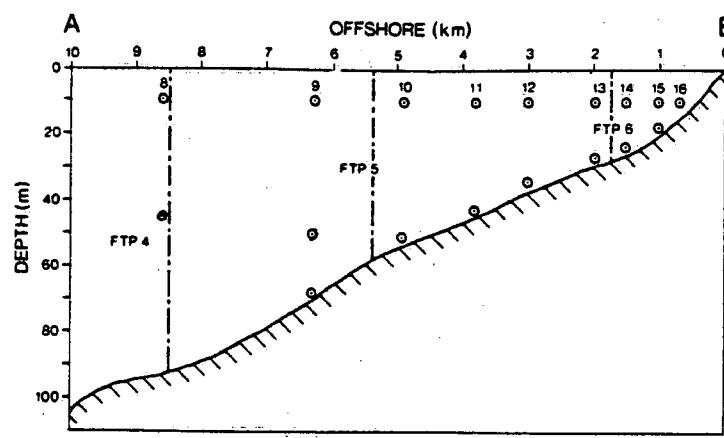


DEPTH: 10 m



DEPTH: 34 m

\*DIRECTION TOWARDS

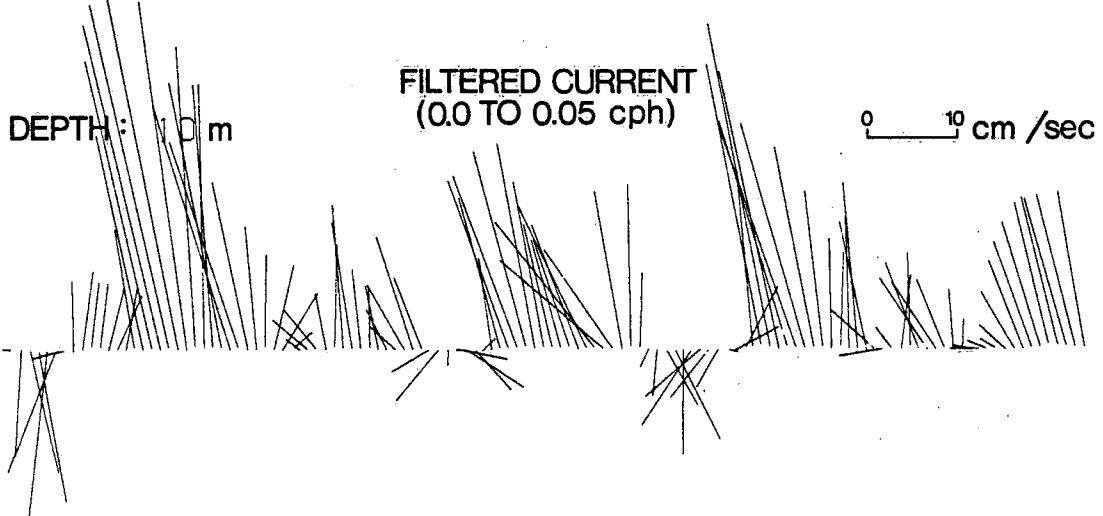
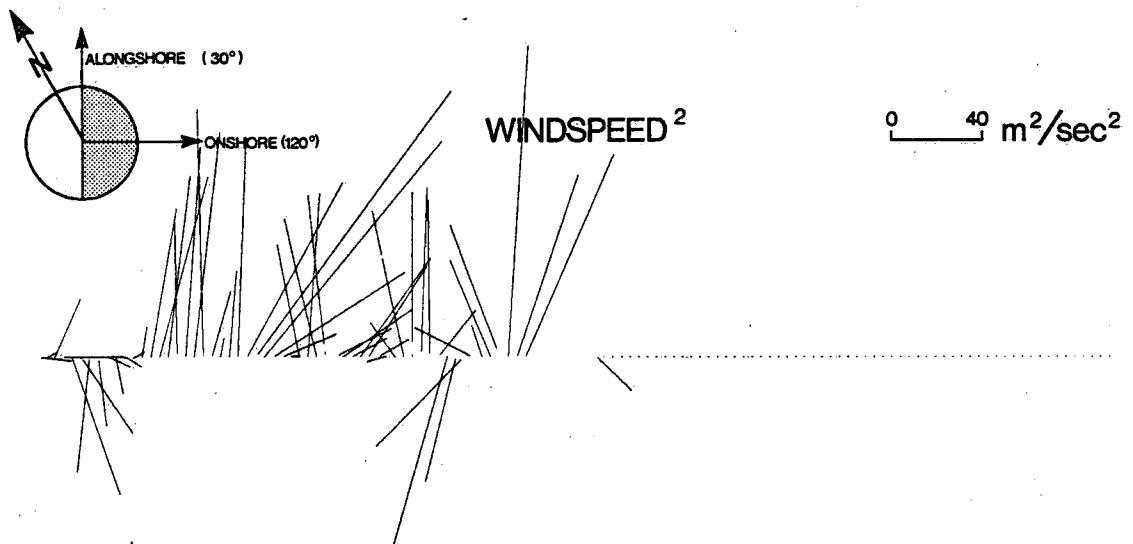


MOORING 13

OCTOBER 1974

MOORING: 13

DATE: OCT 1974



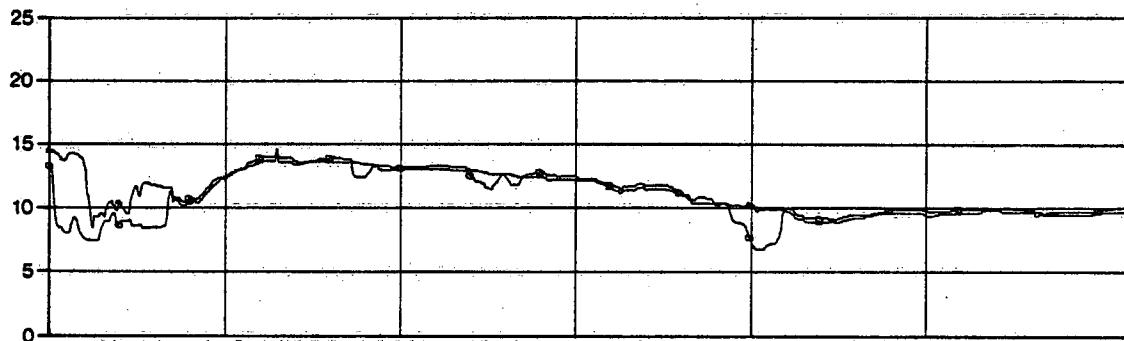
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 13

DATE: OCT 1974

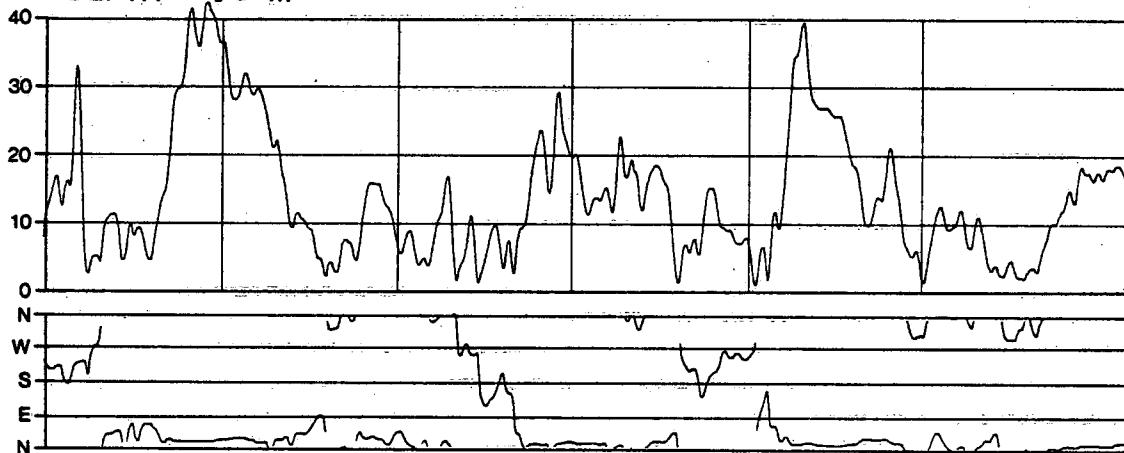
TEMPERATURE °C

△ - 10 m  
○ - 28 m

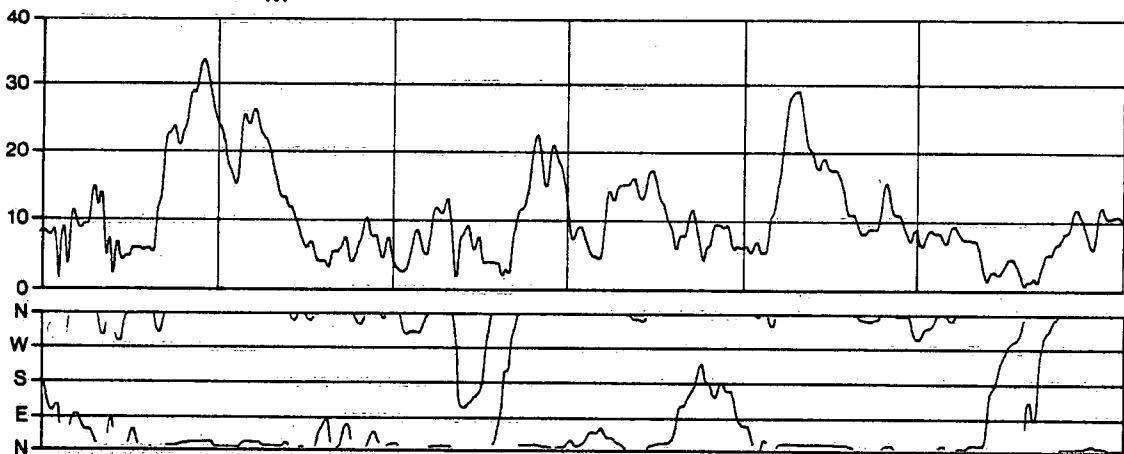


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



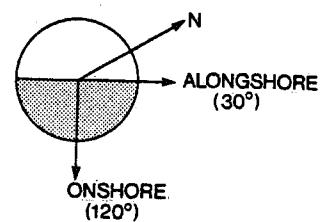
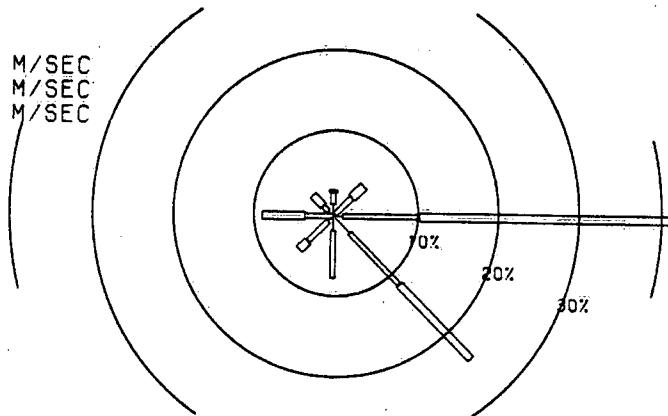
DEPTH: 28 m



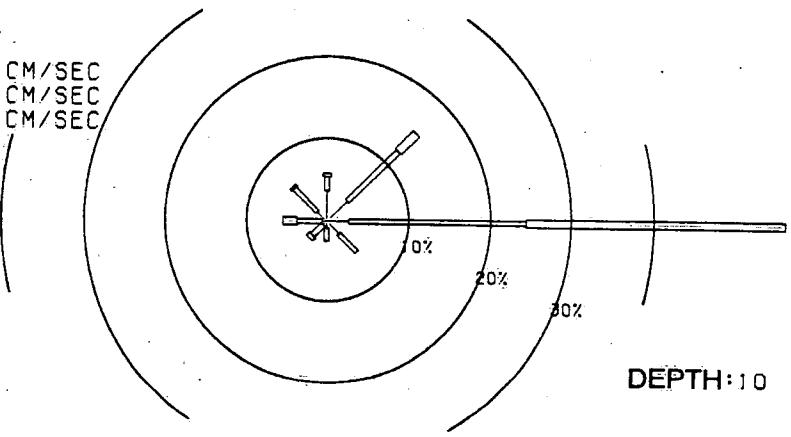
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 13 DATE: OCT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

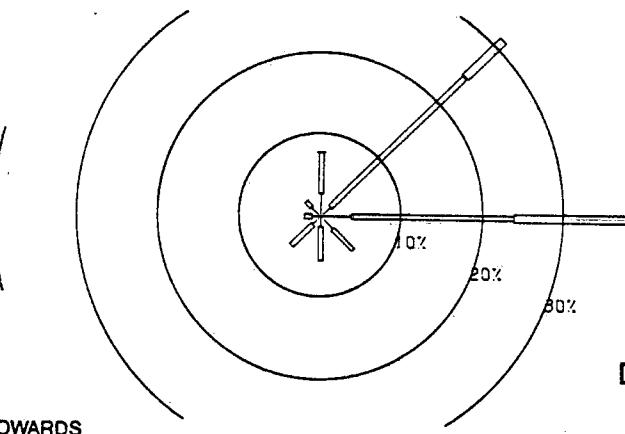
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

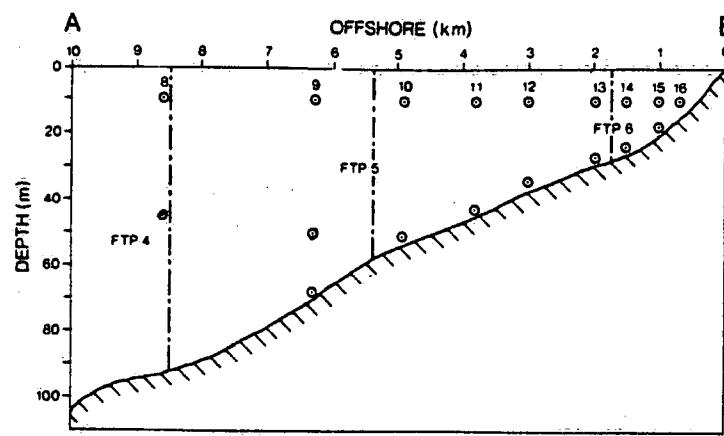


DEPTH: 10 m



DEPTH: 28 m

\*DIRECTION TOWARDS

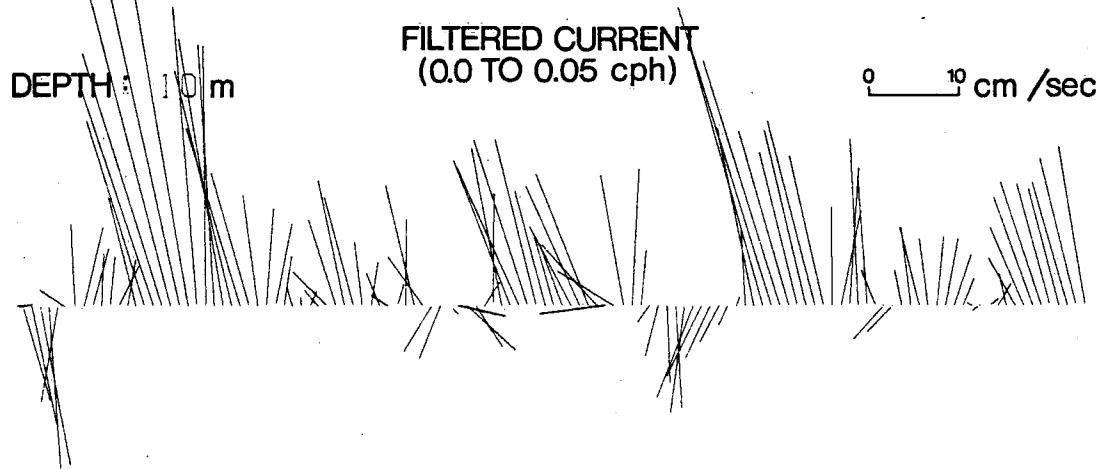
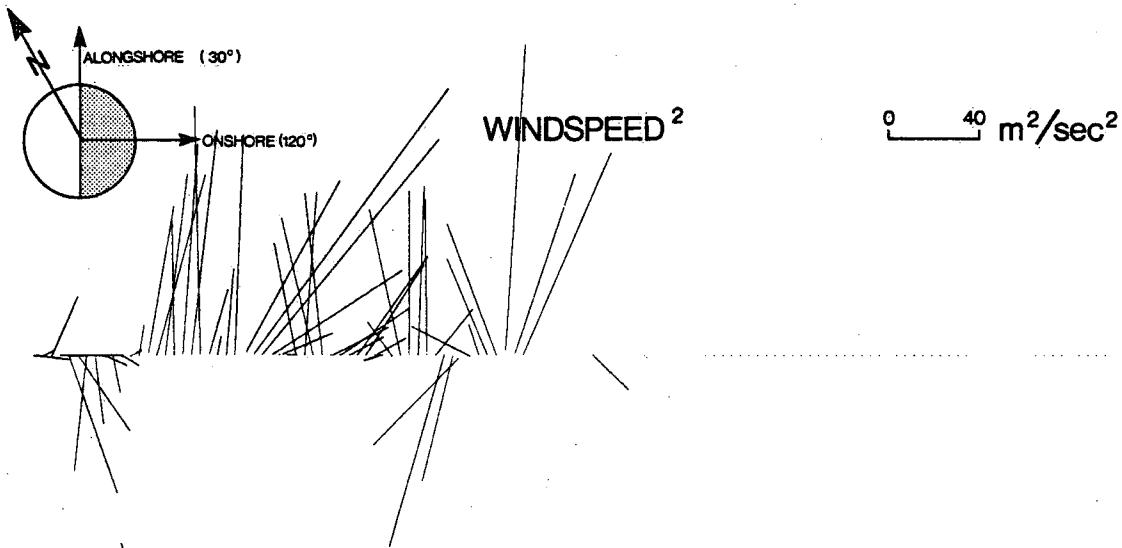


MOORING 14

OCTOBER 1974

MOORING: 14

DATE: OCT 1974



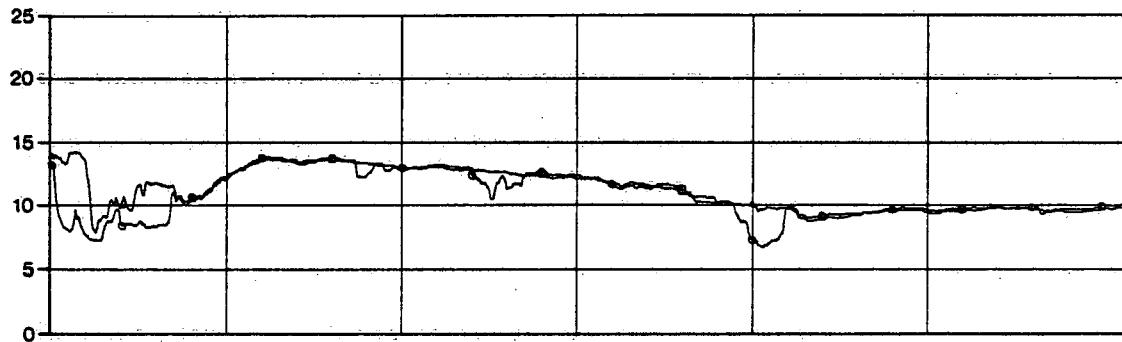
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14

DATE: OCT 1974

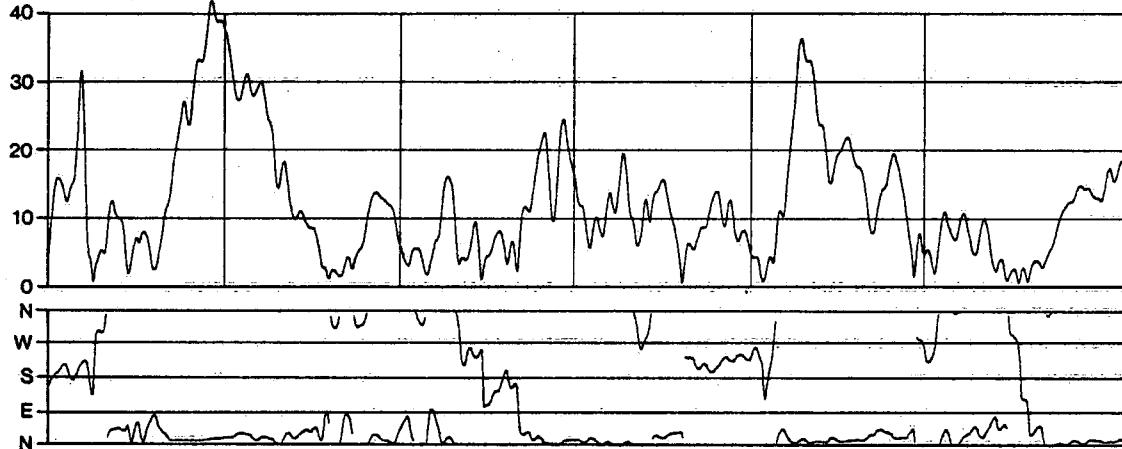
TEMPERATURE °C

△ - 10 m  
○ - 27 m

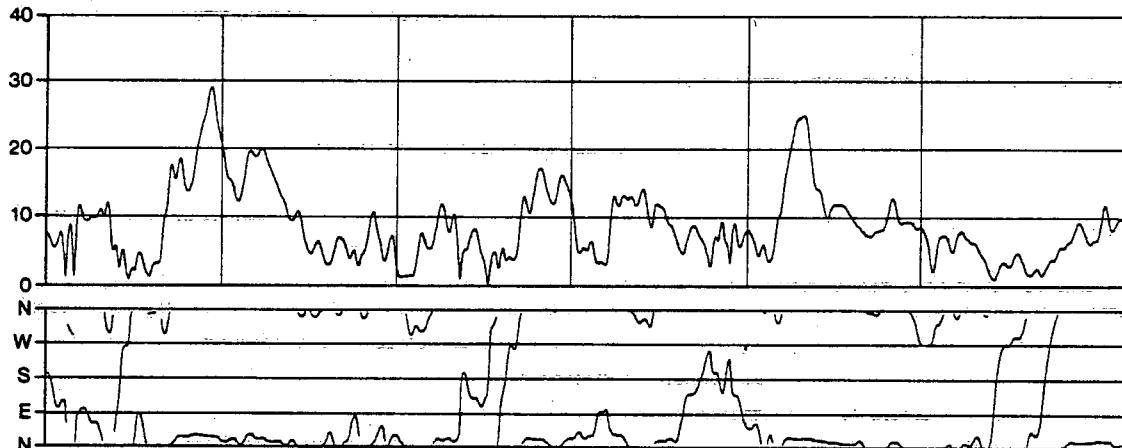


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



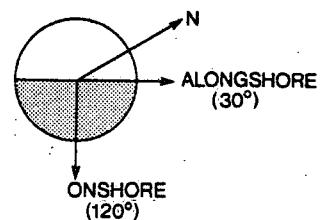
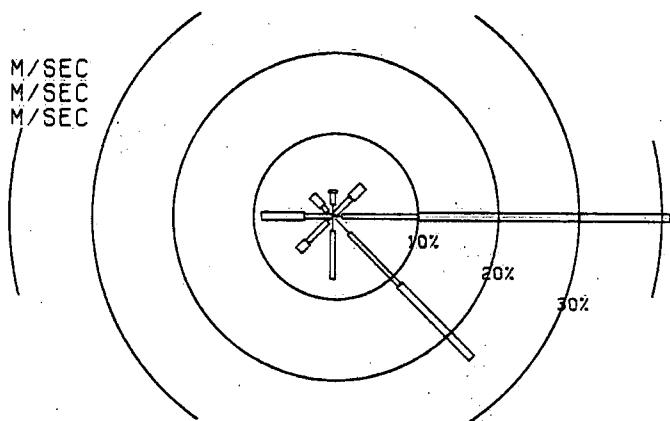
DEPTH: 27 m



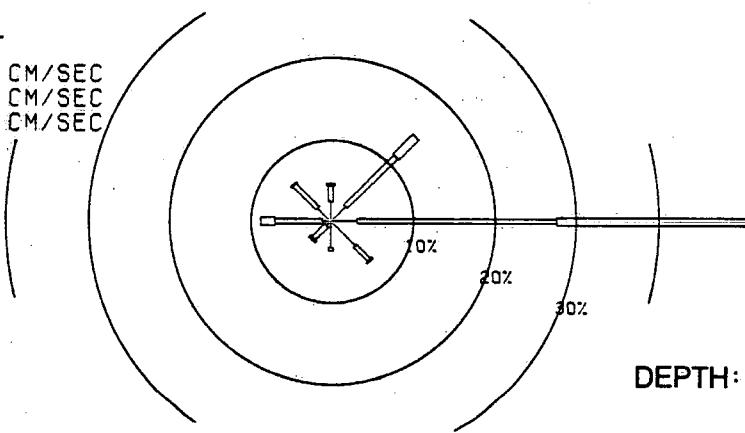
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 14 DATE: OCT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

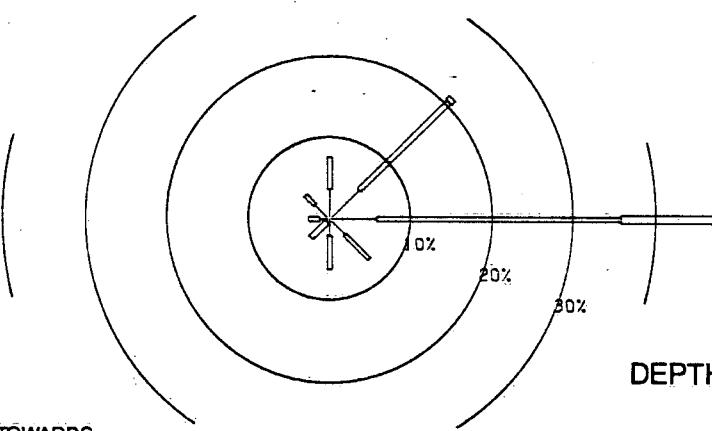
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

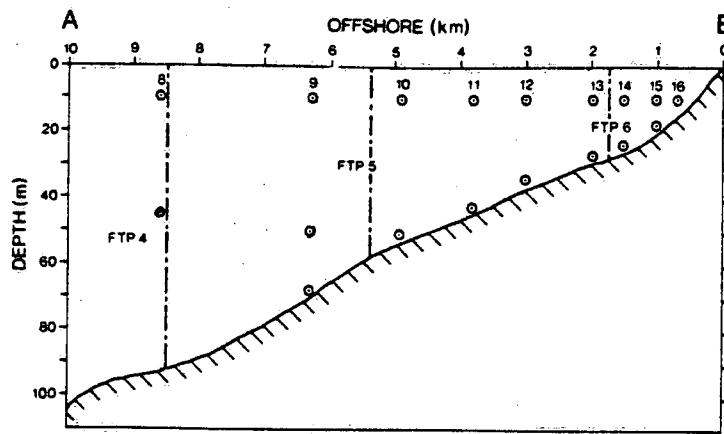


DEPTH: 10 m



DEPTH: 27 m

\*DIRECTION TOWARDS

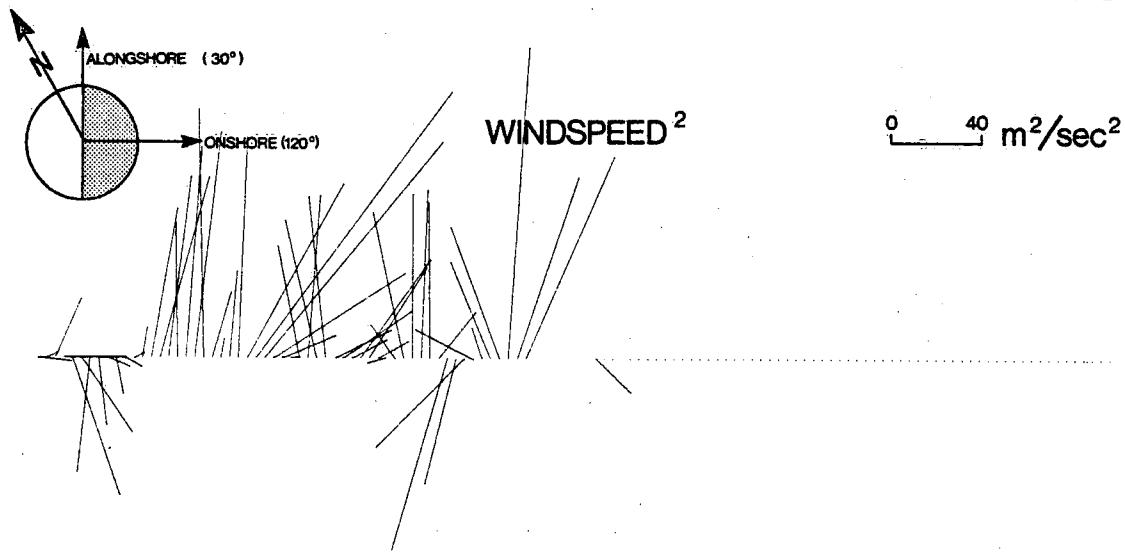


MOORING 15

OCTOBER 1974

MOORING: 15

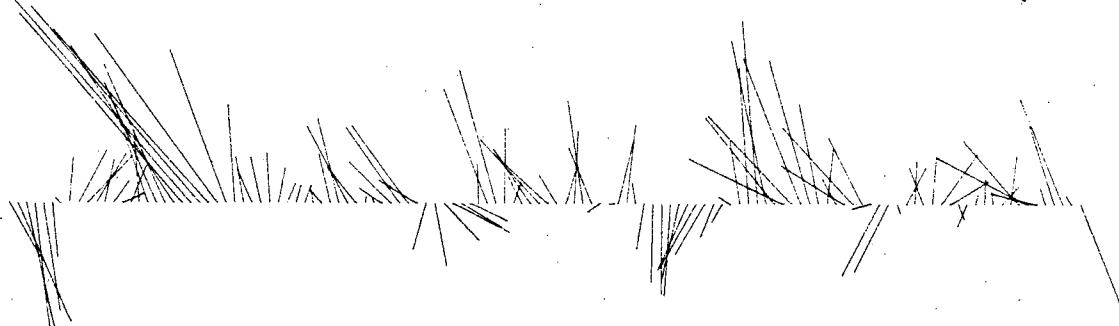
DATE: OCT 1974



DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 19 m



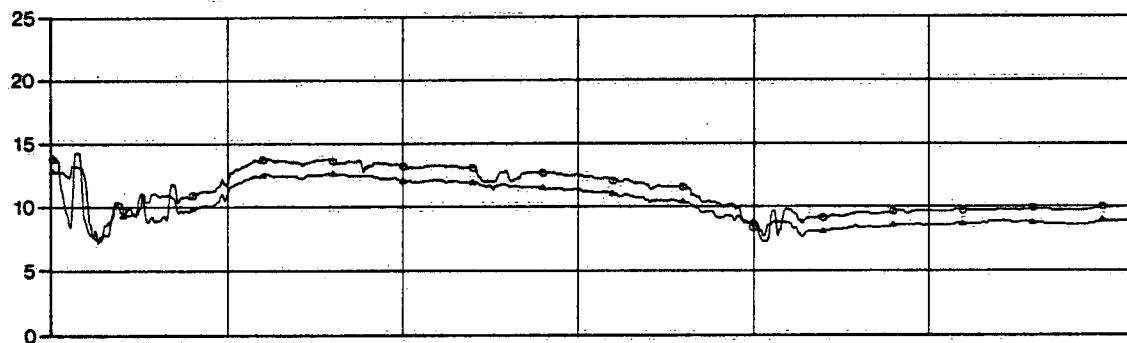
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 15

DATE: OCT 1974

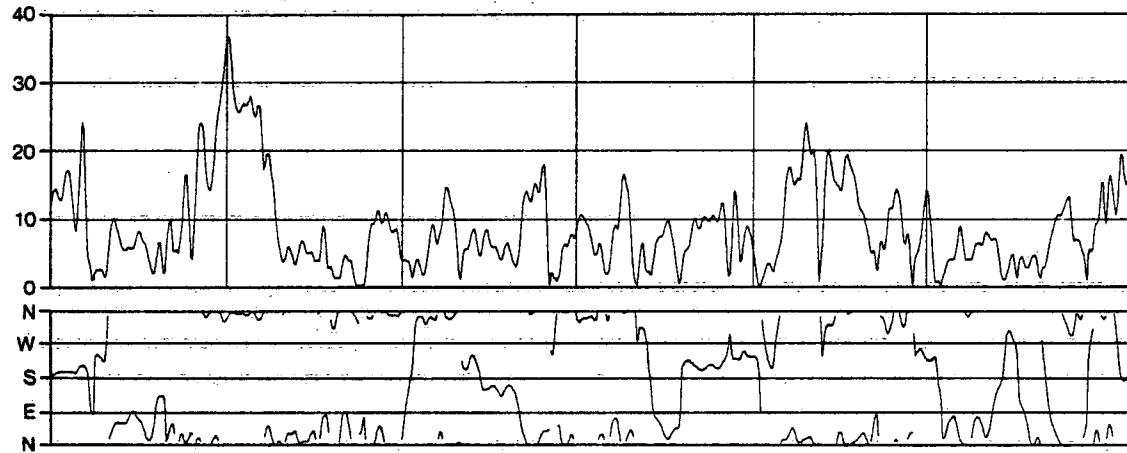
TEMPERATURE °C

△ - 10 m  
○ - 19 m

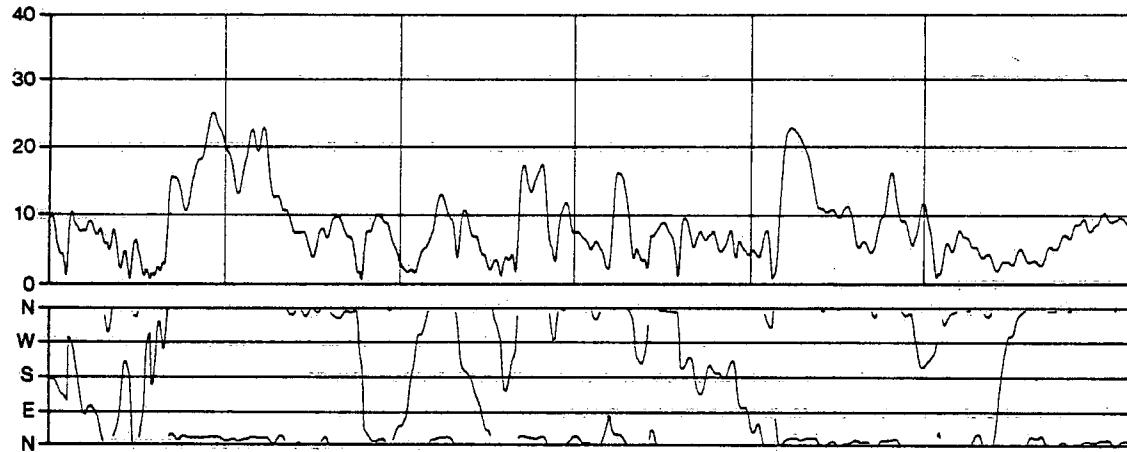


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



DEPTH: 19 m



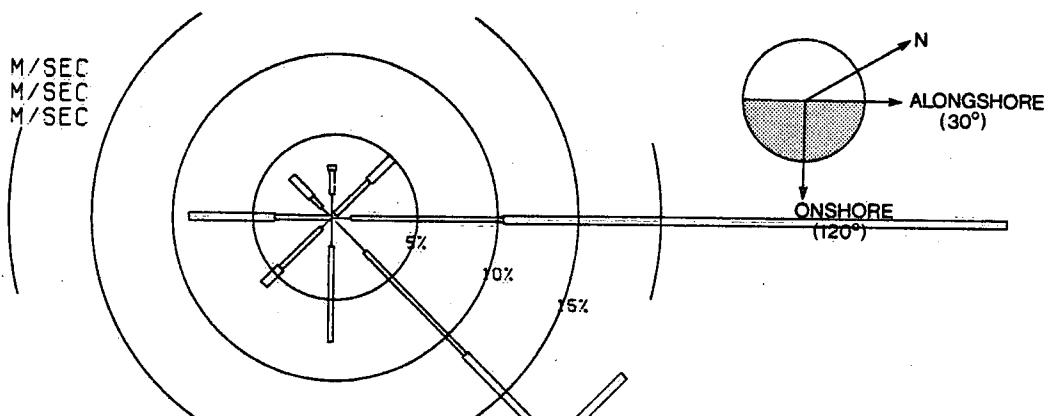
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 15

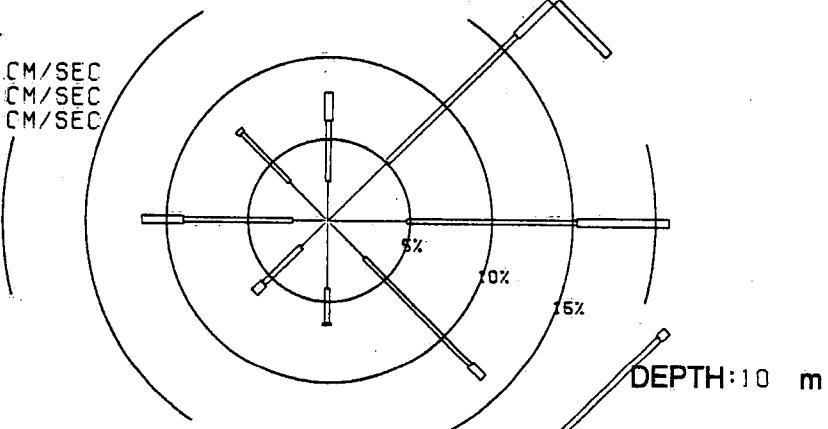
DATE: OCT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

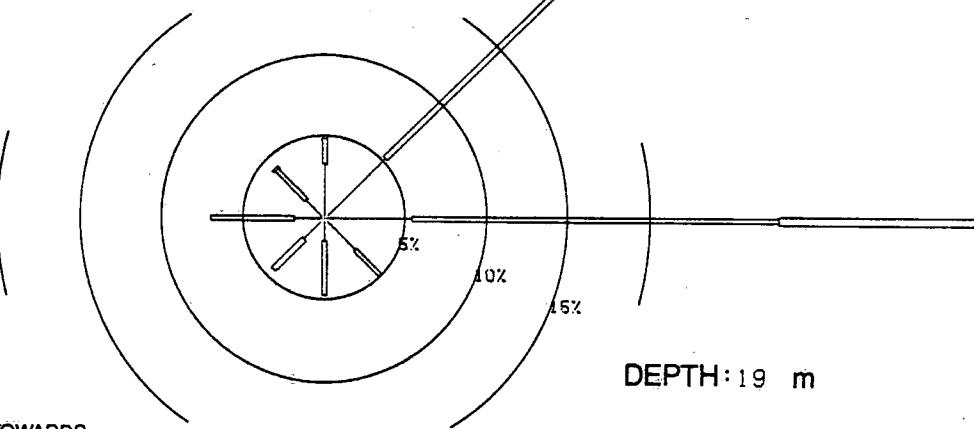
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

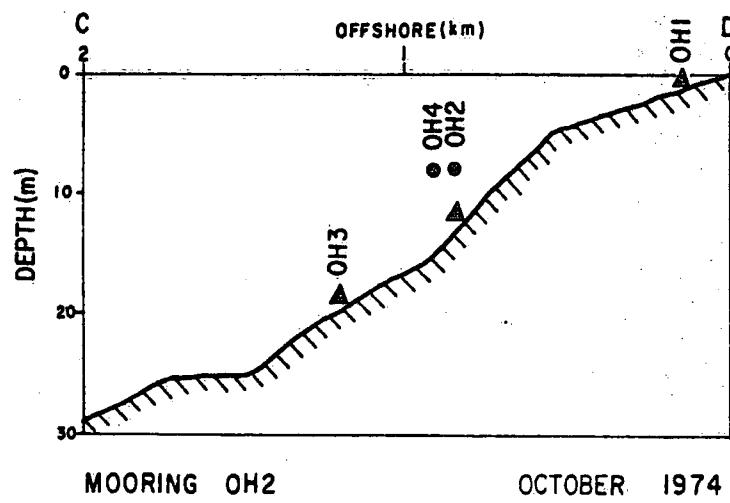


DEPTH: 10 m



DEPTH: 19 m

\*DIRECTION TOWARDS

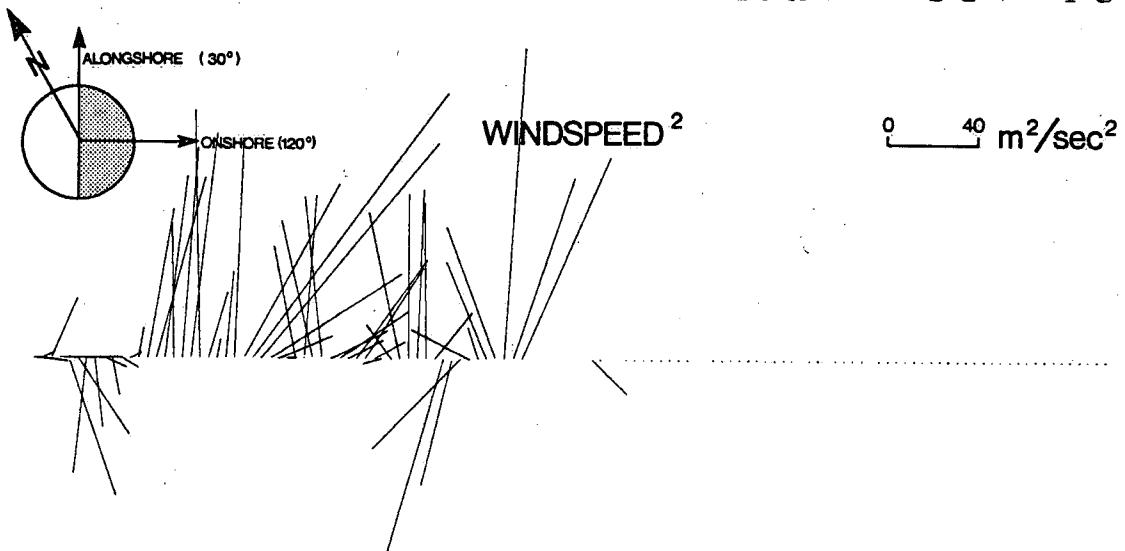


MOORING OH2

OCTOBER 1974

MOORING: OH2

DATE: OCT 1974



DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: m

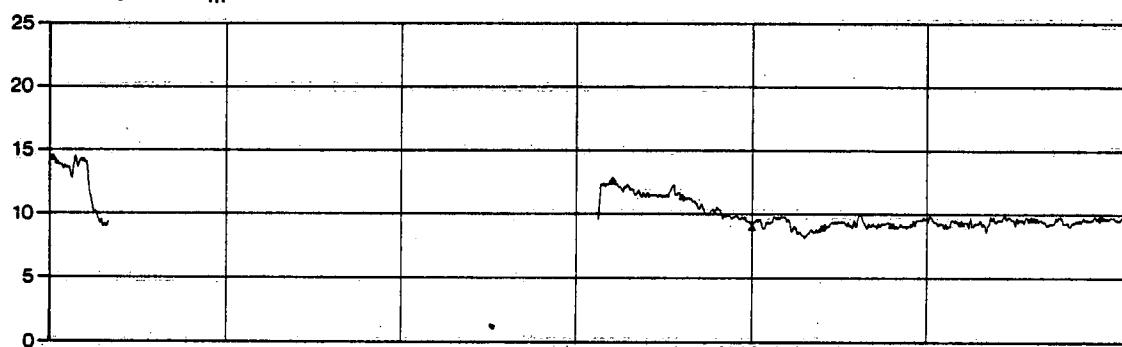
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH2

DATE: OCT 1974

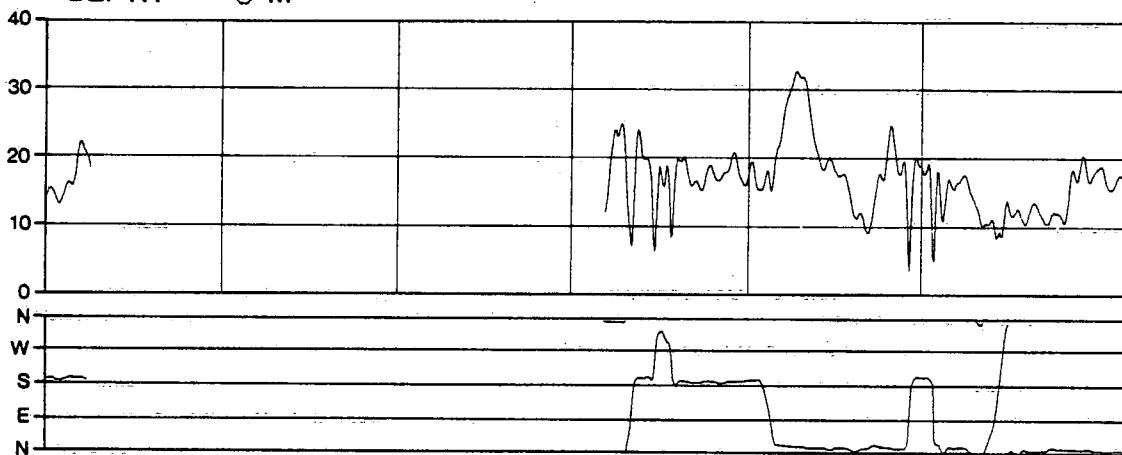
TEMPERATURE °C

△ - 8 m  
○ - m

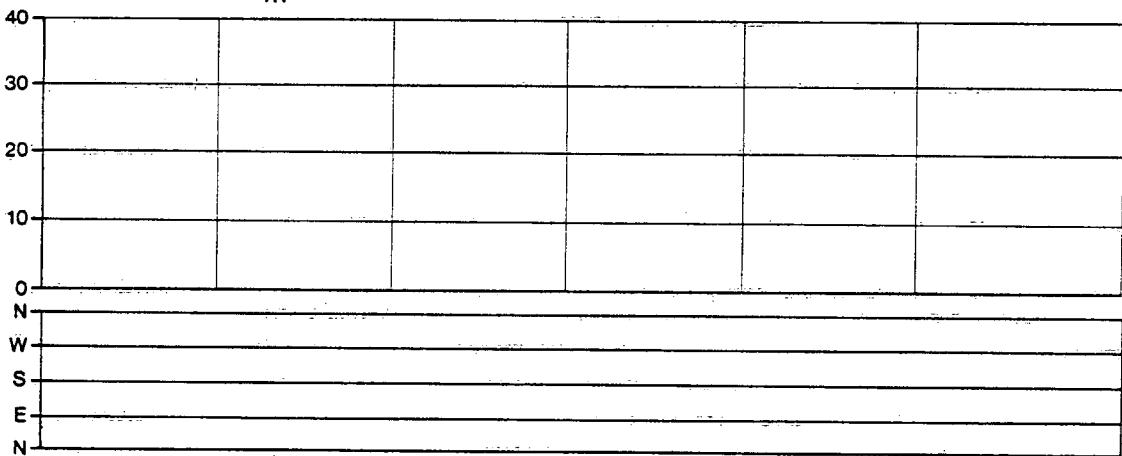


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 8 m



DEPTH: m

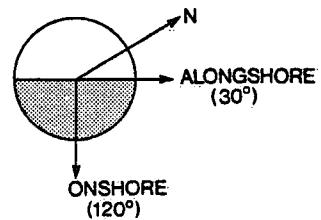
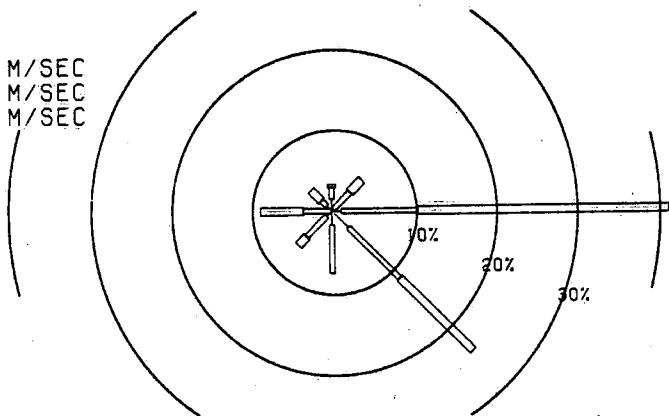


1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: OH2 DATE: OCT 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

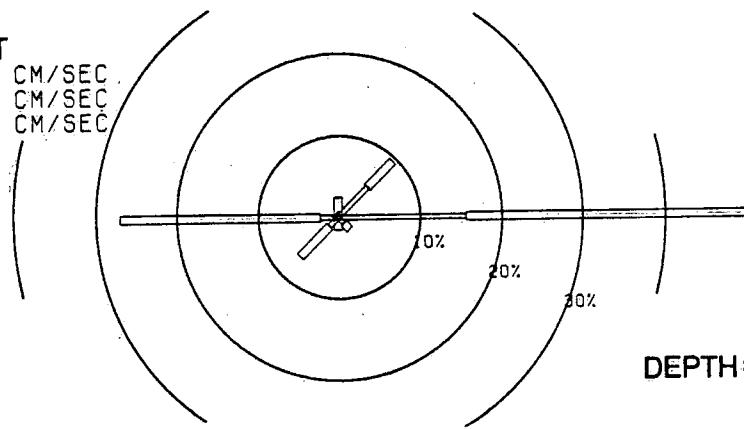
WIND

—	0-3	M/SEC
—	3-7	M/SEC
—	$\geq 7$	M/SEC

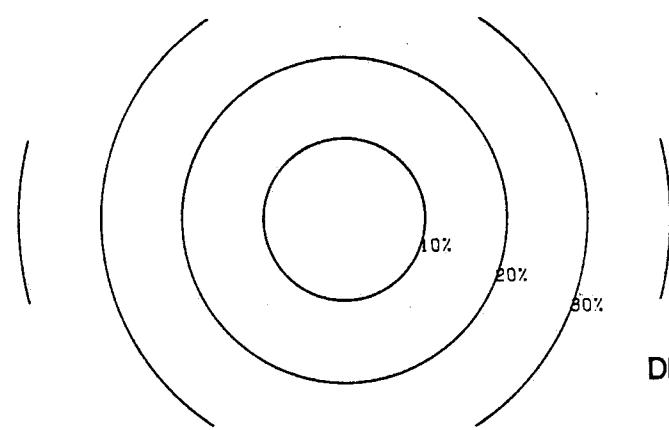


CURRENT

—	0-5	CM/SEC
—	5-15	CM/SEC
—	$\geq 15$	CM/SEC

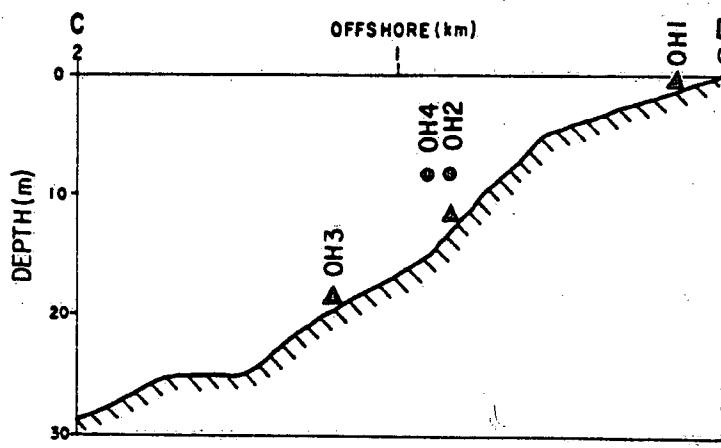


DEPTH: 8 m



DEPTH: m

\*DIRECTION TOWARDS

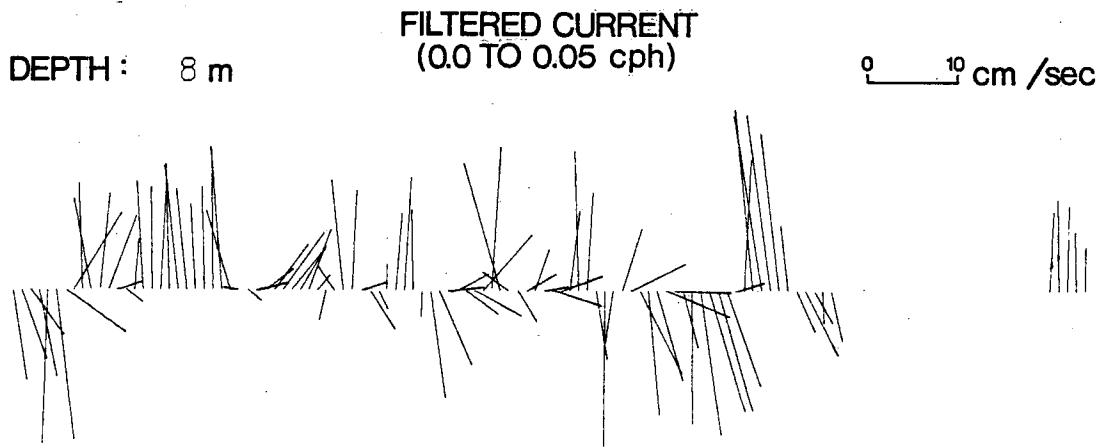
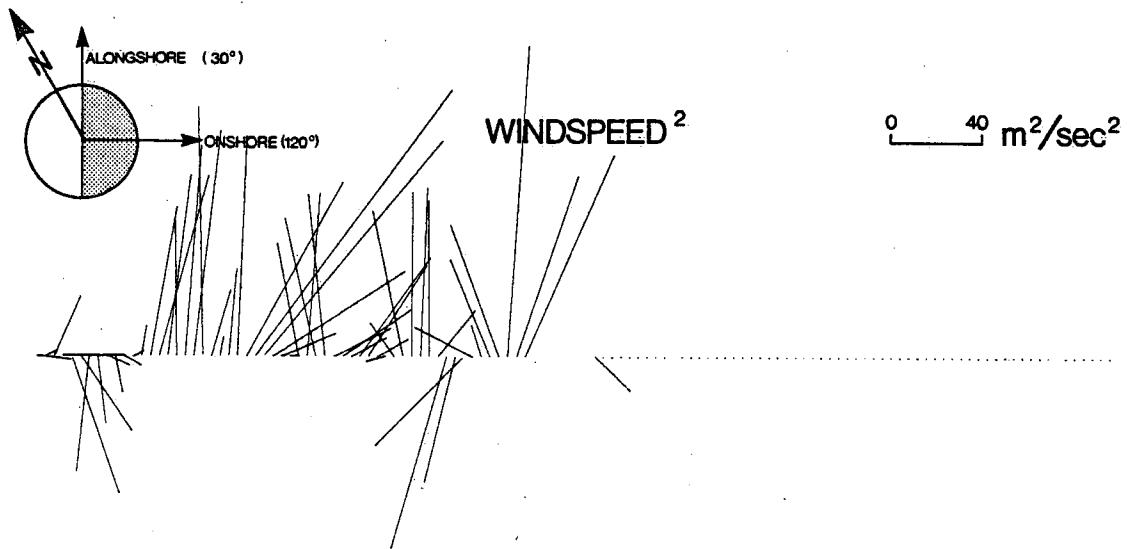


MOORING OH4

OCTOBER 1974

MOORING: OH4

DATE: OCT 1974



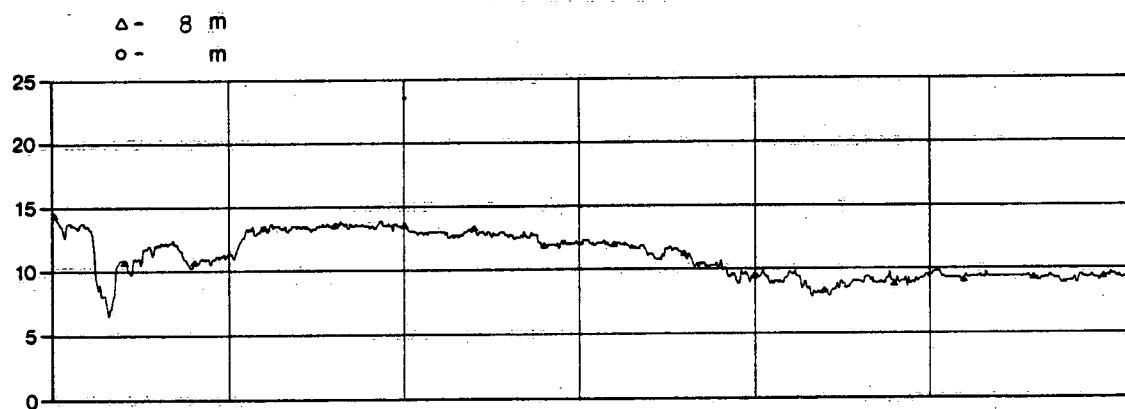
DEPTH: m

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 27 28 29 30 31

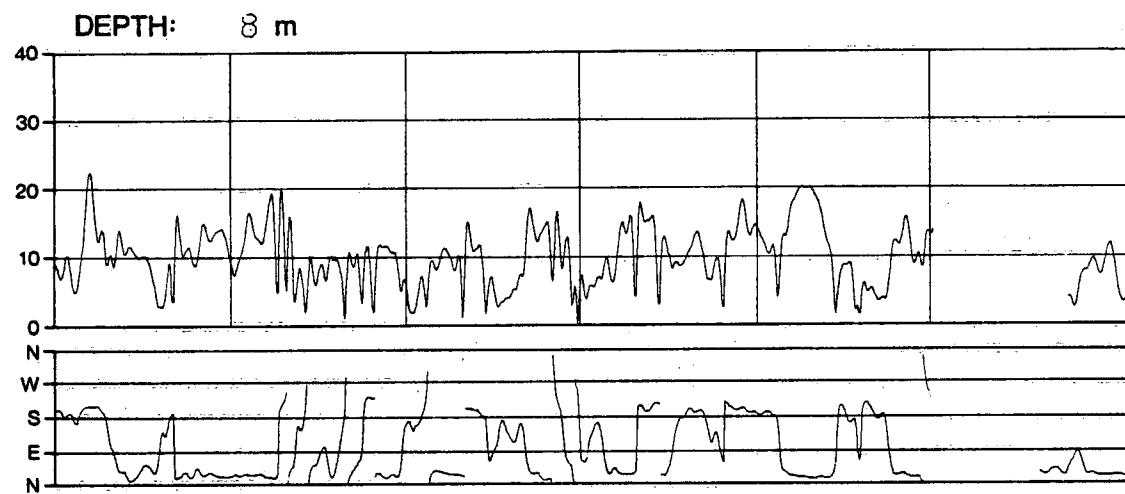
MOORING: OH4

DATE: OCT 1974

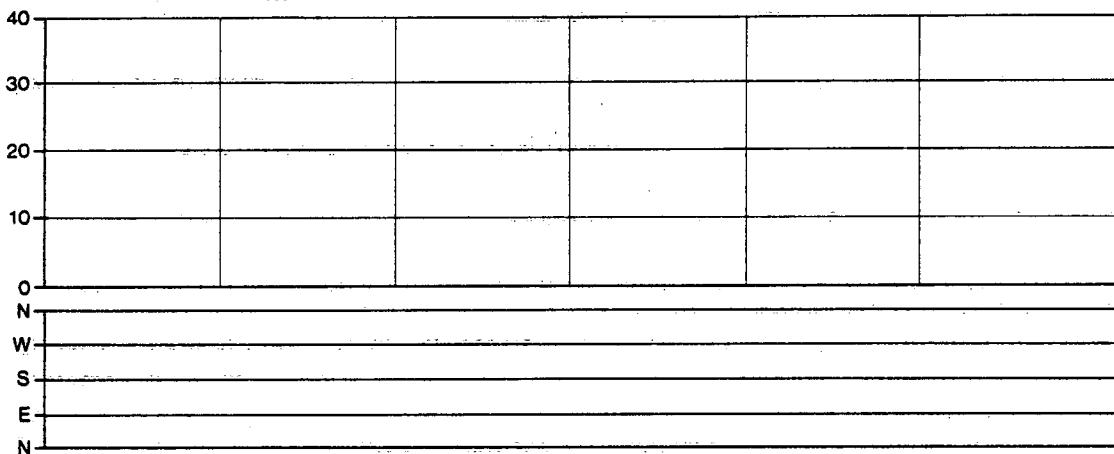
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: m



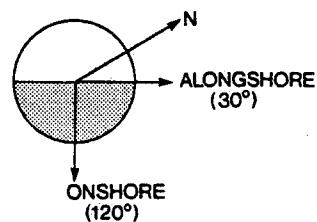
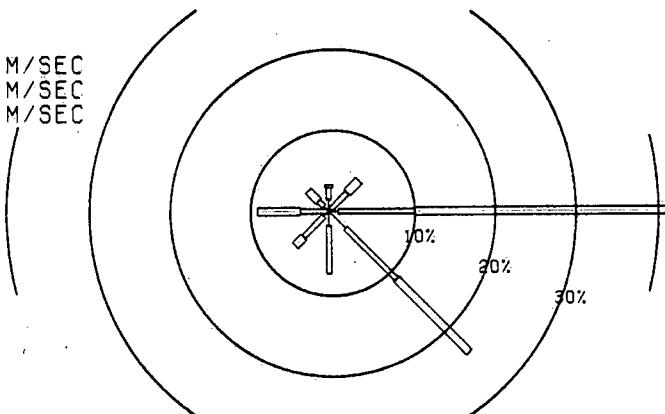
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH4

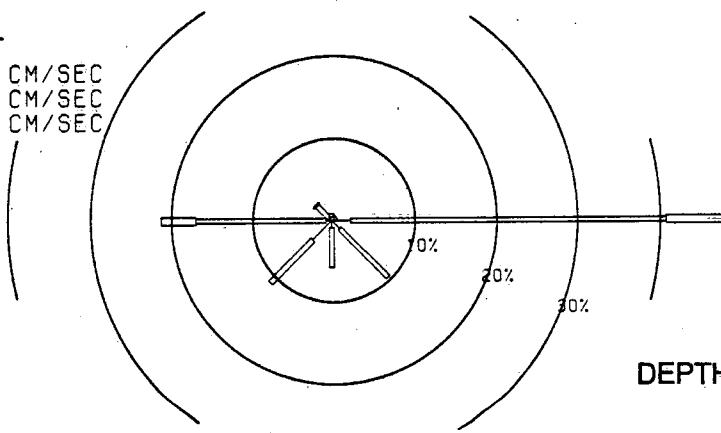
DATE: OCT 1974

MONTHLY SUMMARY: WIND AND CURRENT\*

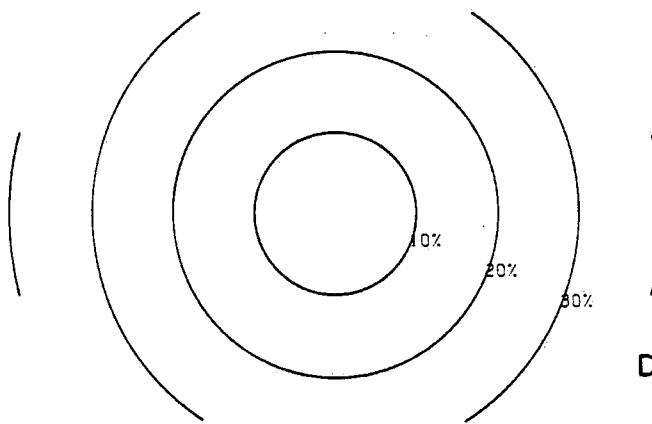
WIND  
— 0-3 M/SEC  
— 3-7 M/SEC  
— ≥ 7 M/SEC



CURRENT  
— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



DEPTH: 8 m

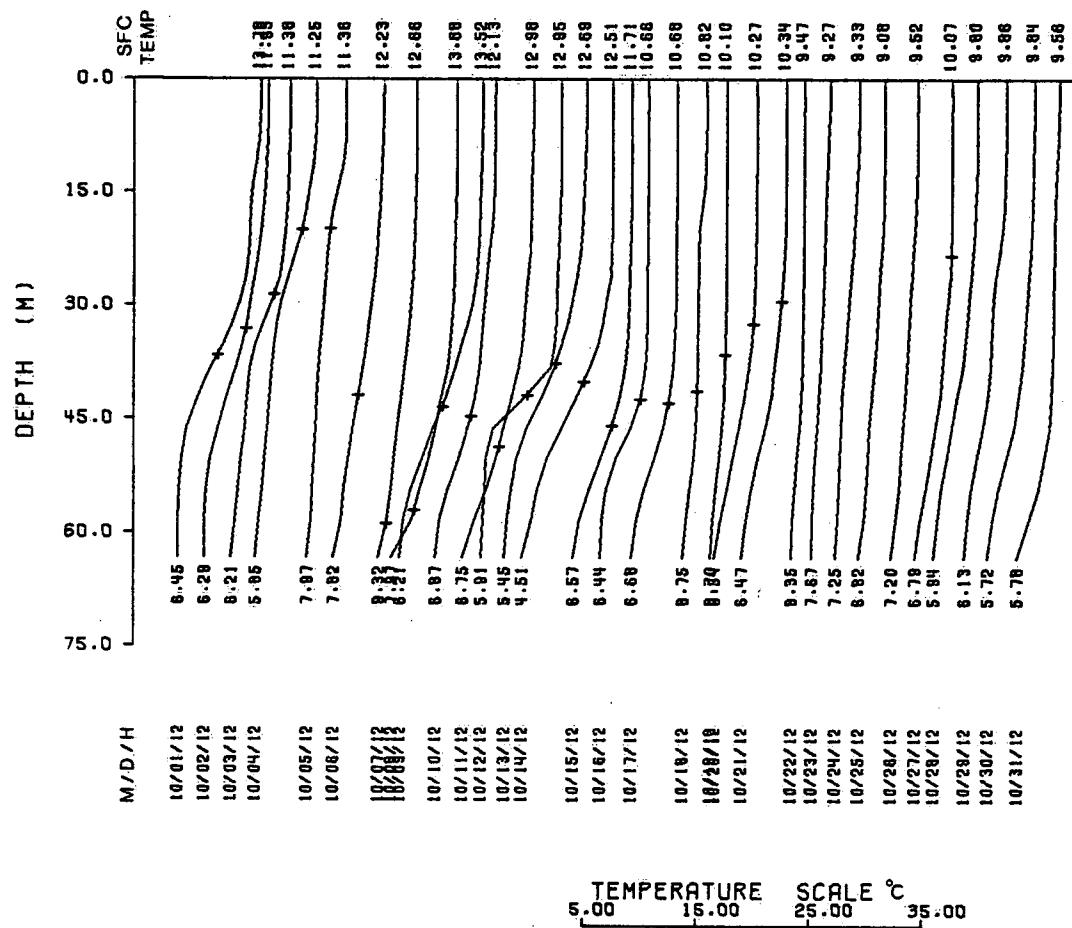


DEPTH: m

\*DIRECTION TOWARDS

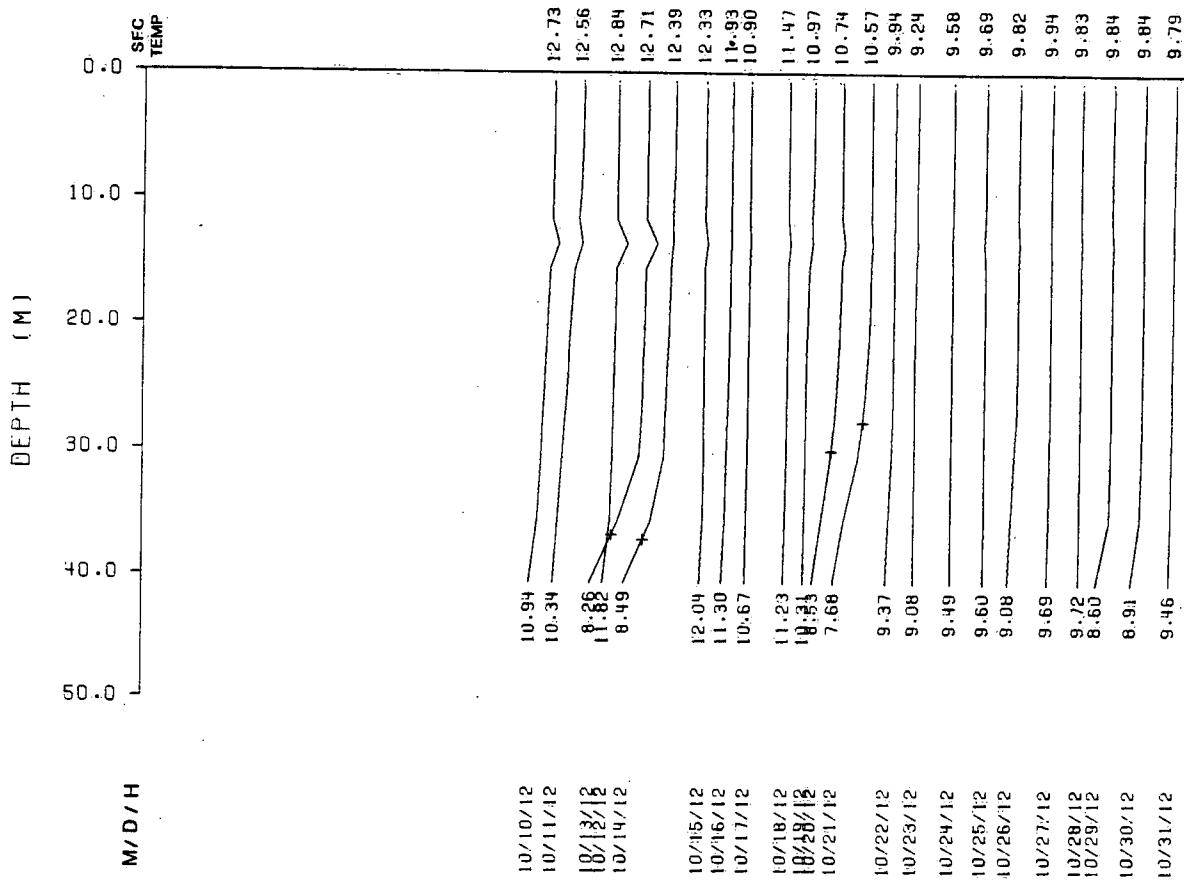
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - OCTOBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 4  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 10 DEGREE MARKED WITH +



# DAILY AVERAGED TEMPERATURE PROFILES

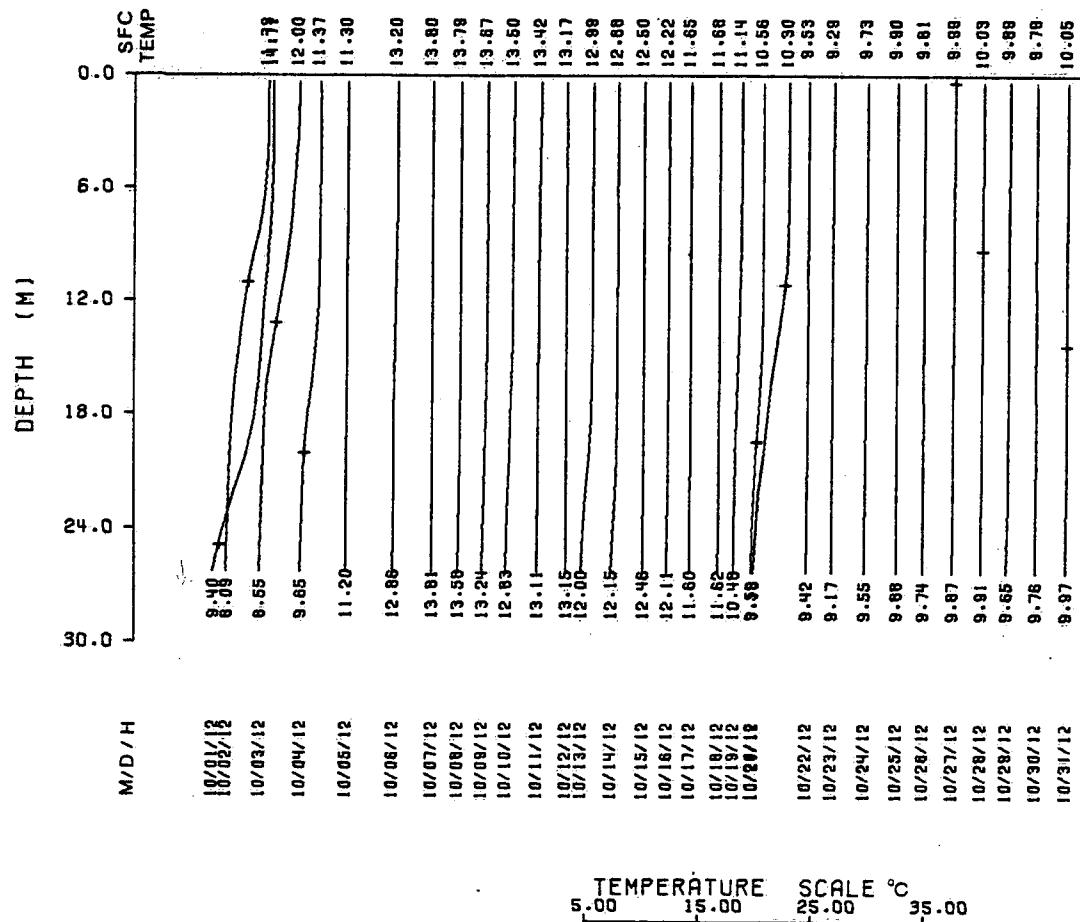
DATE - OCTOBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - S  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 10 DEGREE MARKED WITH +



TEMPERATURE      SCALE °C  
 5.00      15.00      25.00      35.00

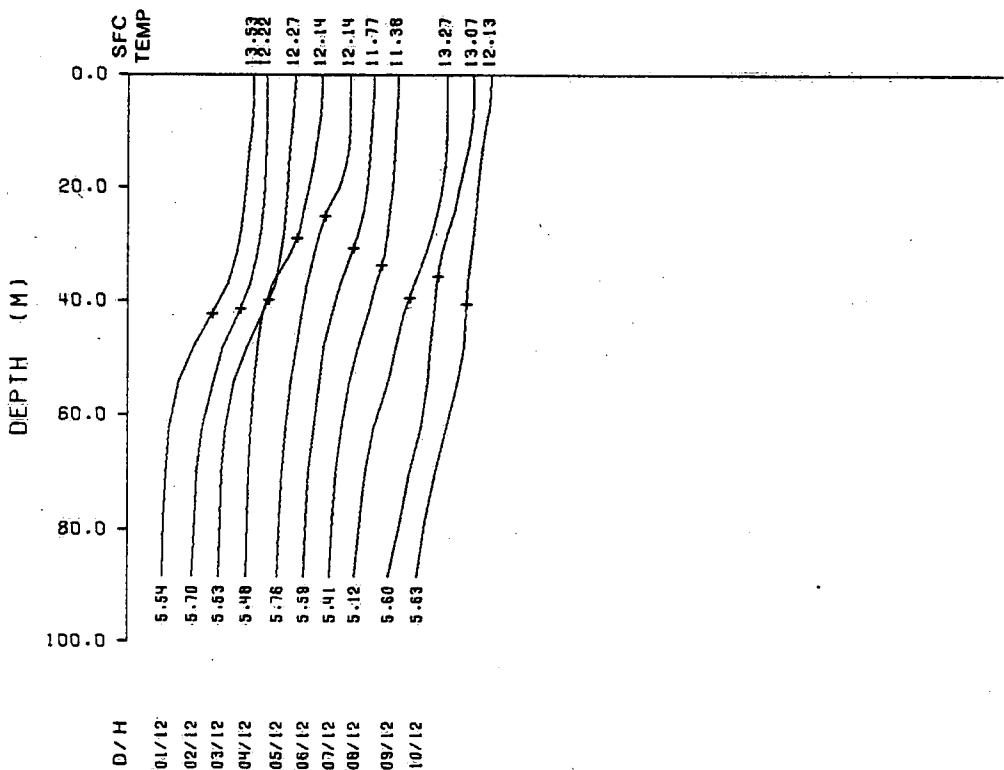
## DAILY AVERAGED TEMPERATURE PROFILES

DATE - OCTOBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 6  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 10 DEGREE MARKED WITH +



## DAILY AVERAGED TEMPERATURE PROFILES

DATE - OCTOBER 1974  
 LOCATION - L. HURON (DOUGLAS POINT)  
 MOORING - 7  
 INSTRUMENT - FIXED TEMPERATURE PROFILER  
 ISOTHERM - 10 DEGREE MARKED WITH +



TEMPERATURE SCALE °C  
 5.00 15.00 25.00 35.00

CHART NO. 400

**NOVEMBER 1974**

# METEOROLOGICAL DATA

MOORING: 2

DATE: NOV 1974

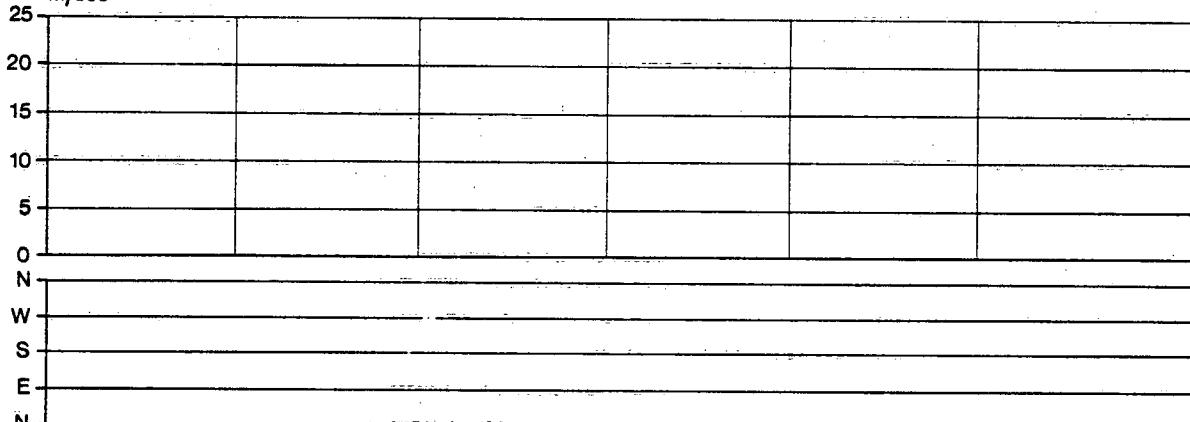
0 10 m/sec

FILTERED WIND (0.0-0.05 cph)

N  
↑

FILTERED WIND (0.0-0.2 cph)\*

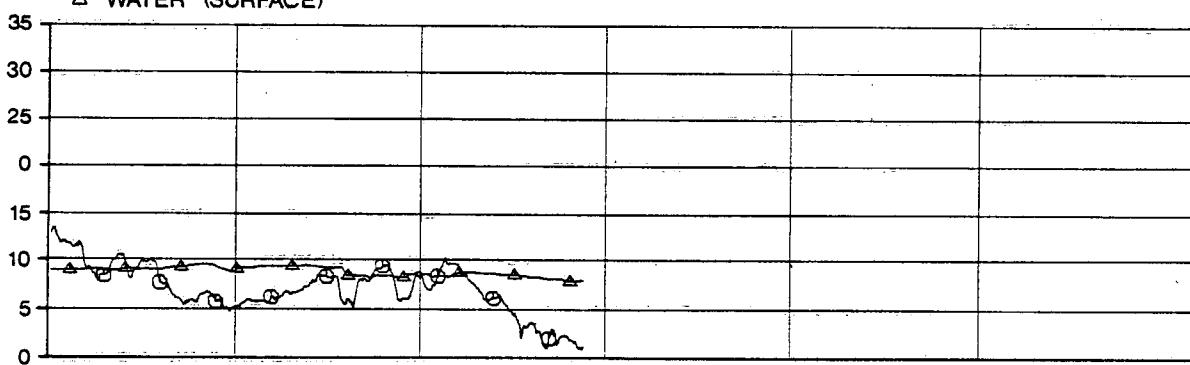
m/sec



\* DIRECTION TOWARDS

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)

TEMPERATURE °C



' 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 ' 27 ' 28 ' 29 ' 30 ' 31 '

## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

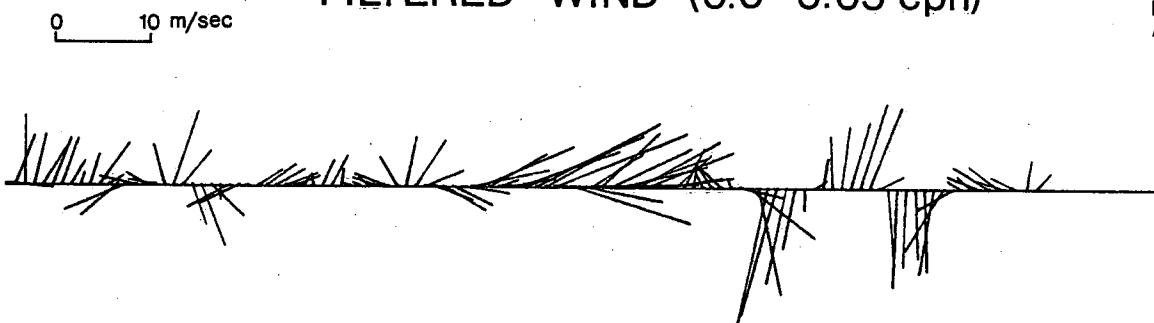
DAY	TMAX	TMIN	DAY	T MAX	TMIN	DAY	T MAX	TMIN	DAY	T MAX	TMIN
1	13.6	9.4	9	9.6	5.1	17			25		
2	10.7	8.0	10	9.7	5.9	18			26		
3	10.4	7.8	11	10.5	7.0	19			27		
4	7.8	5.5	12	9.7	5.9	20			28		
5	6.9	4.7	13	6.5	2.0	21			29		
6	6.3	5.1	14	3.6	1.0	22			30		
7	7.5	6.0	15	1.9	1.0	23			31		
8	8.6	5.4	16			24					

# METEOROLOGICAL DATA

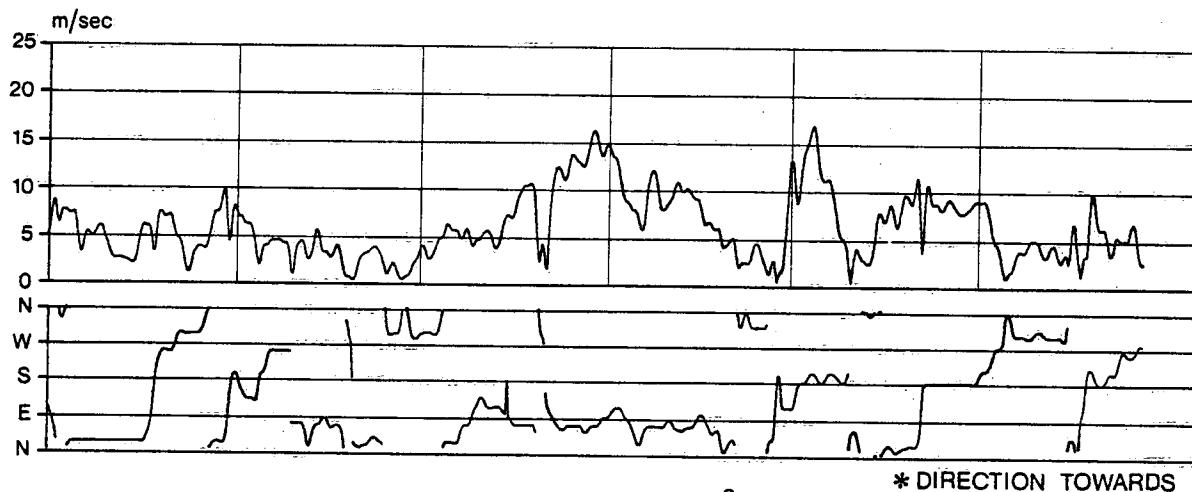
MOORING: 0H7

DATE: NOV 1974

## FILTERED WIND (0.0-0.05 cph)

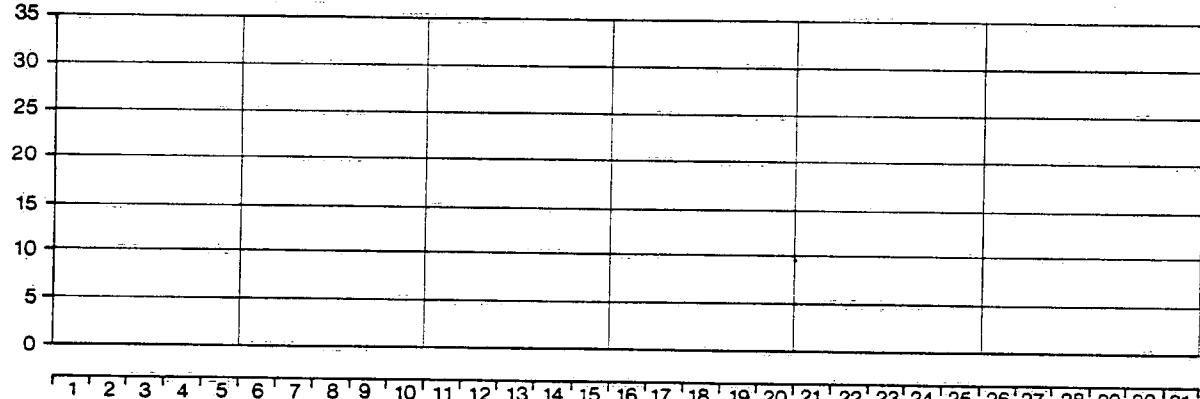


## FILTERED WIND (0.0-0.2 cph)\*



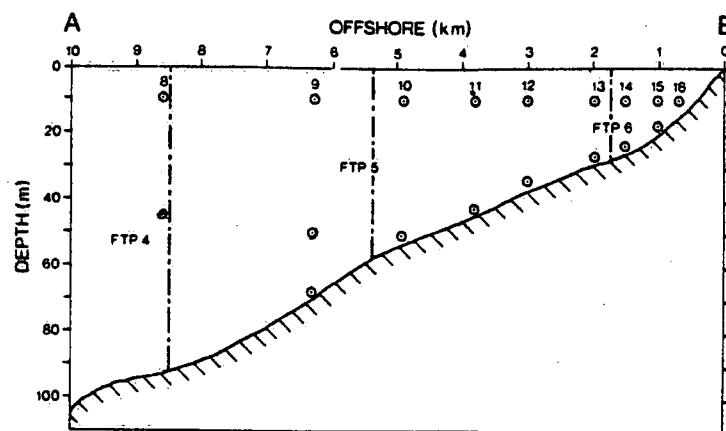
## TEMPERATURE °C

○ AIR 4 m ABOVE WATER  
△ WATER (SURFACE)



## DAILY MAXIMUM AND MINIMUM AIR TEMPERATURE

DAY	TMAX	TMIN	DAY	T MAX	T MIN	DAY	T MAX	T MIN	DAY	T MAX	T MIN
1			9			17			25		
2			10			18			26		
3			11			19			27		
4			12			20			28		
5			13			21			29		
6			14			22			30		
7			15			23			31		
8			16			24					

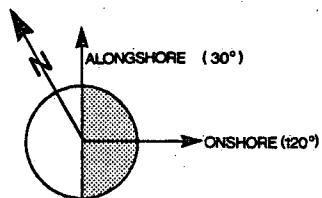


MOORING 8

NOVEMBER 1974

MOORING: 8

DATE: NOV 1974



WINDSPEED<sup>2</sup>

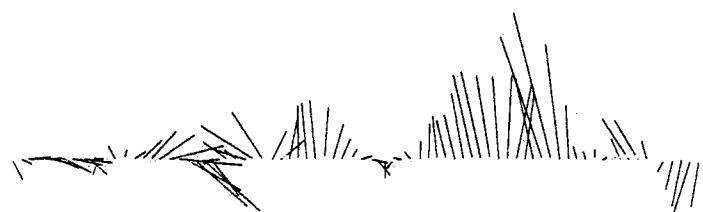
0      40 m<sup>2</sup>/sec<sup>2</sup>

DEPTH: m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec

DEPTH: 45 m



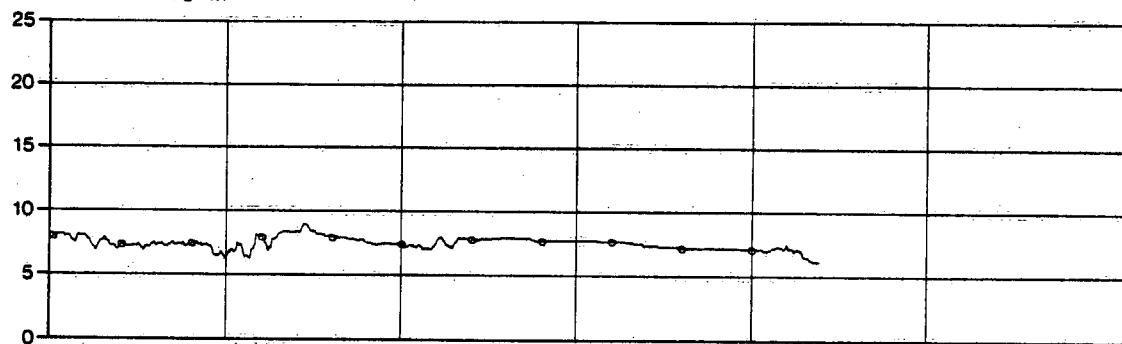
1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'

MOORING: 8

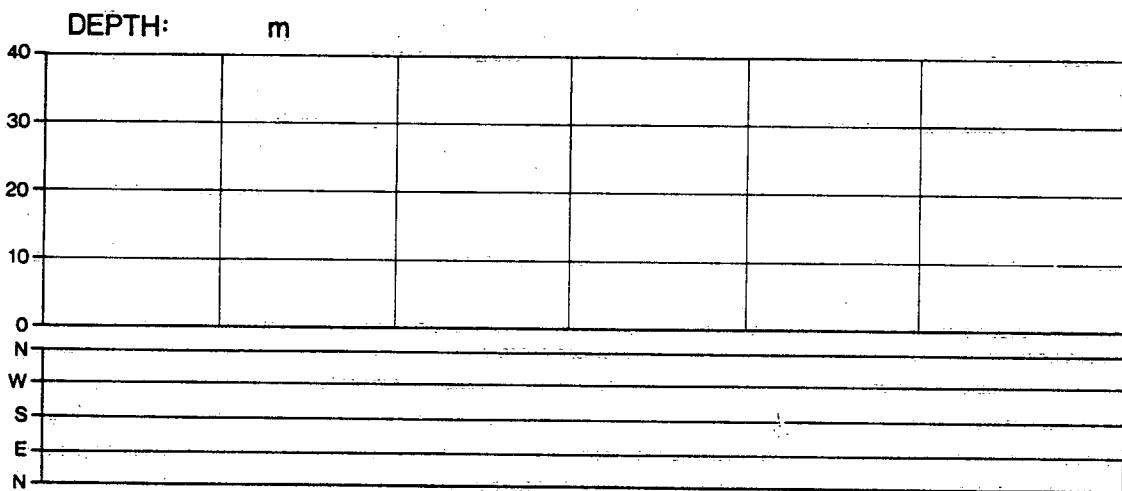
DATE: NOV 1974

TEMPERATURE °C

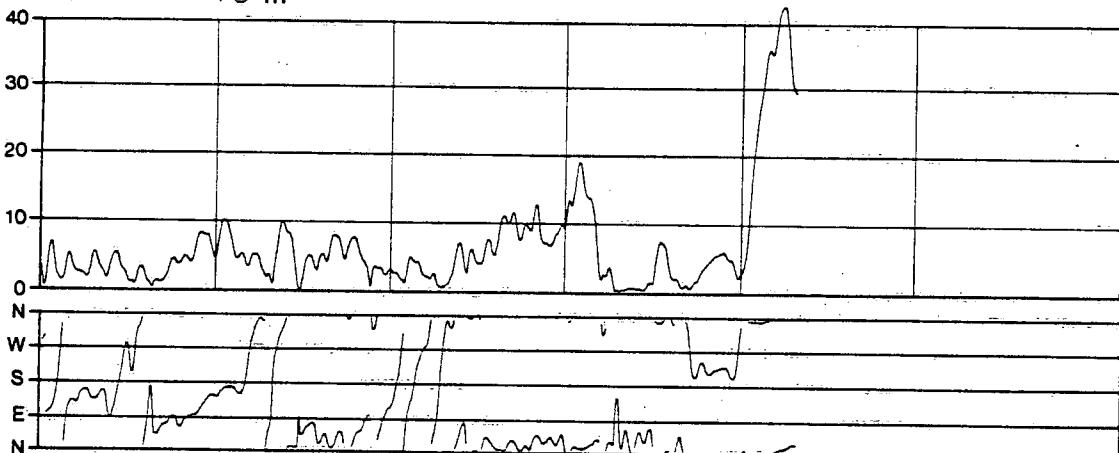
△ - m  
○ - 45 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 45 m

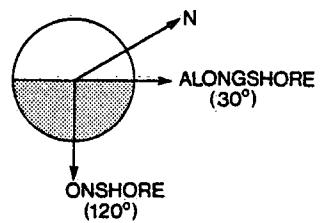
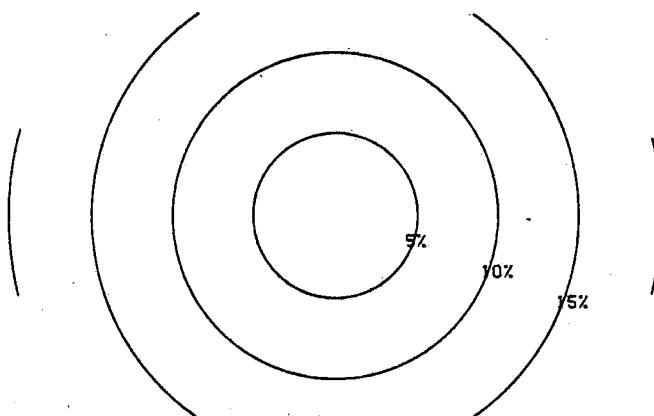


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 8 DATE: NOV 1974

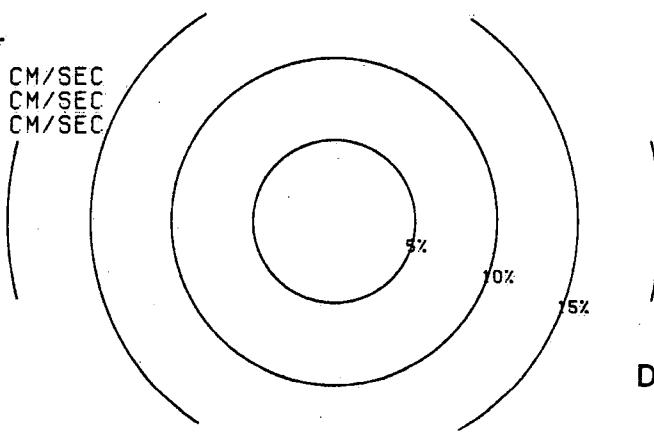
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

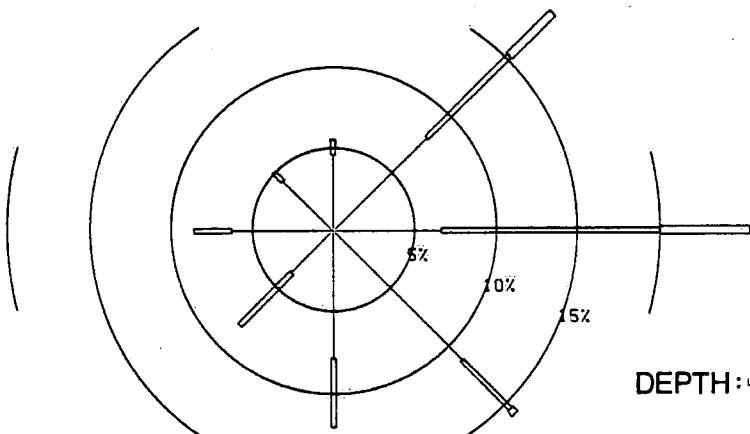


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

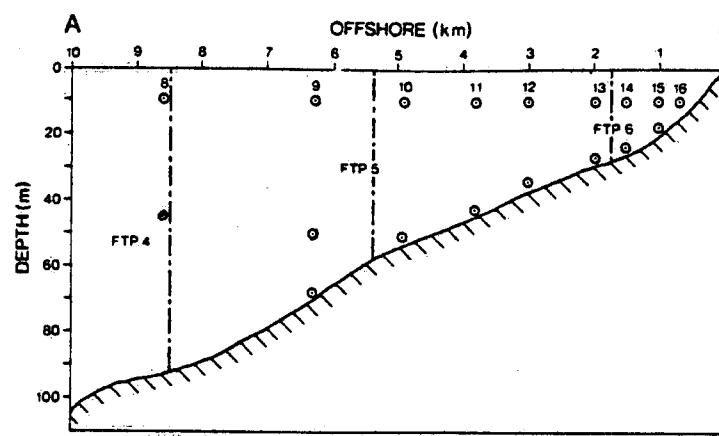


DEPTH: m



DEPTH: 45 m

\*DIRECTION TOWARDS

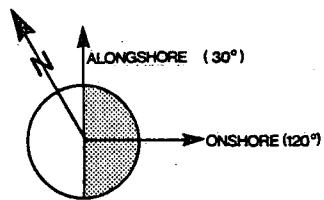


MOORING 9

NOVEMBER 1974

MOORING: 9

DATE: NOV 1974



WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

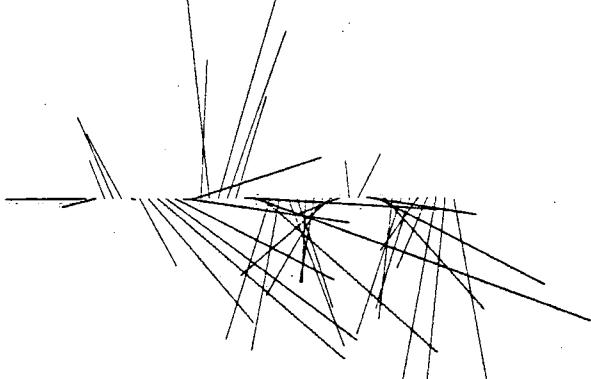
DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 35 m



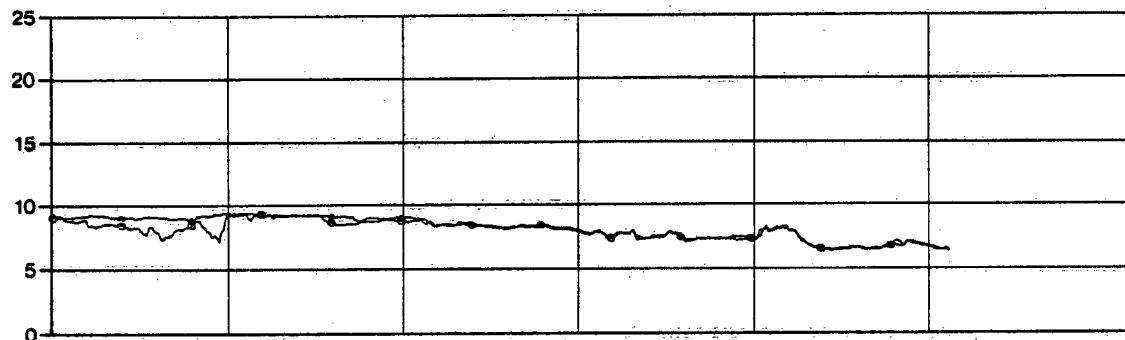
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9

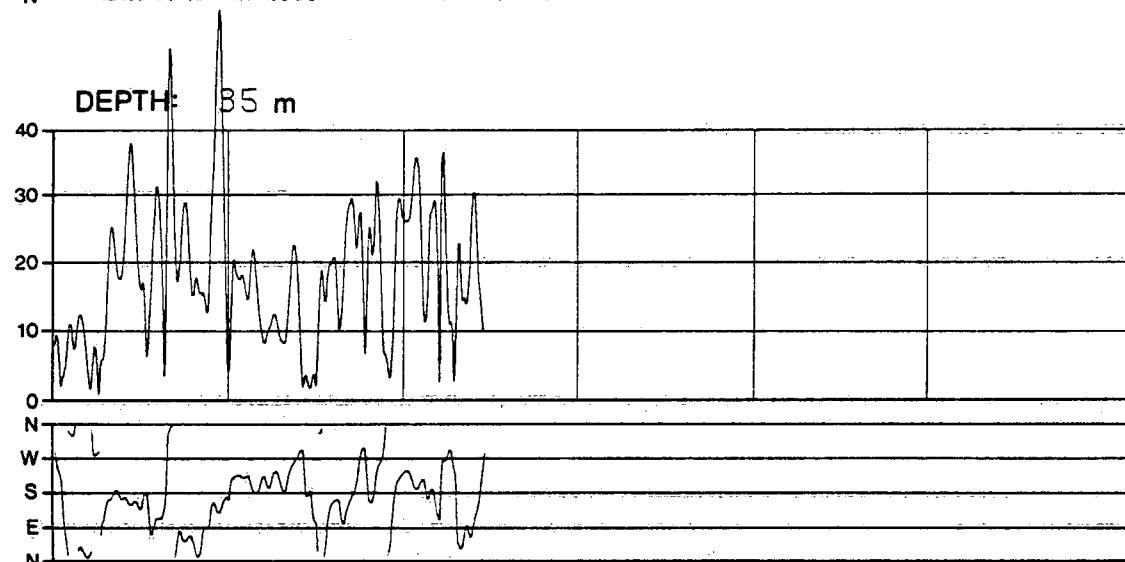
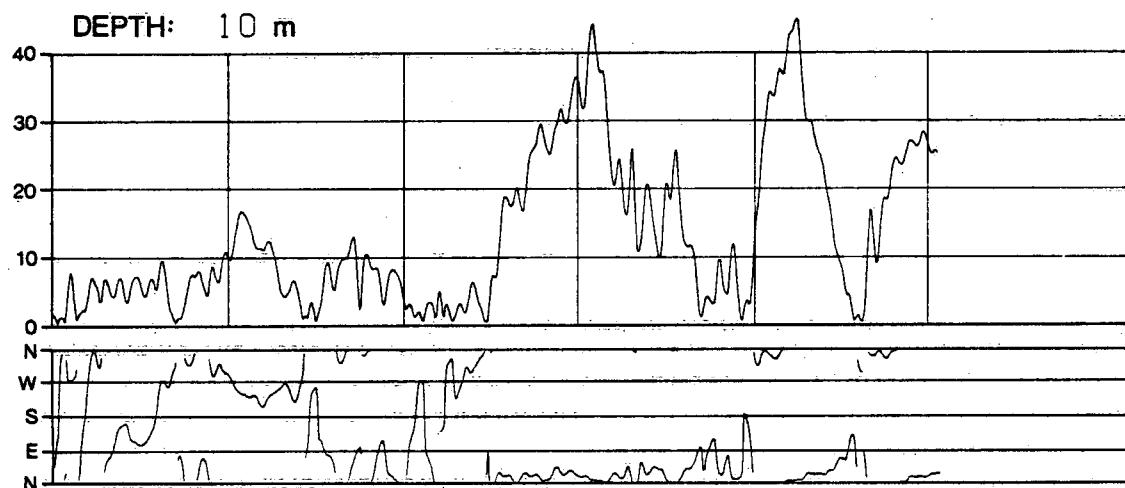
DATE: NOV 1974

TEMPERATURE °C

△ - 10 m  
○ - 35 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

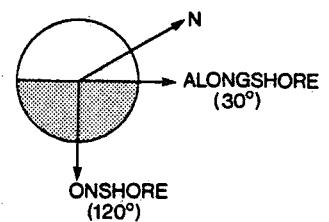
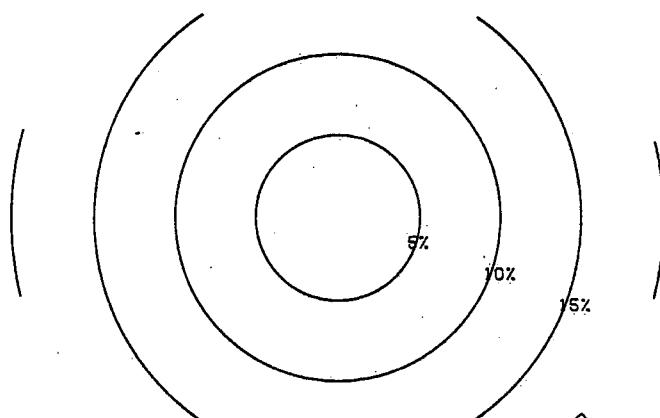


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 9 DATE: NOV 1974

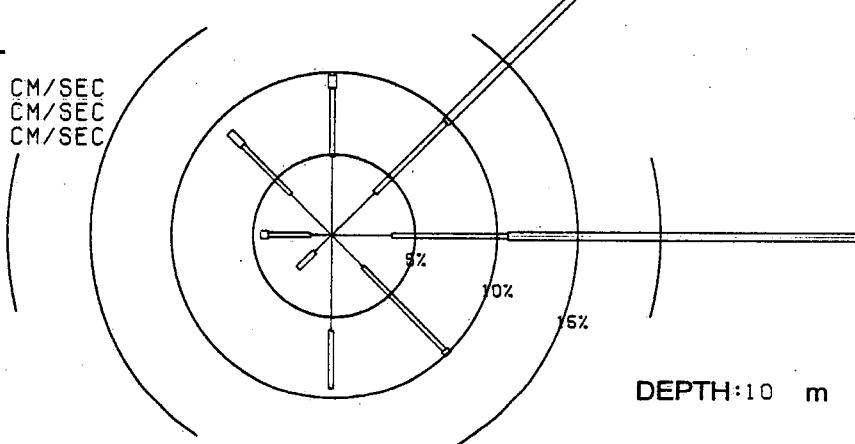
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

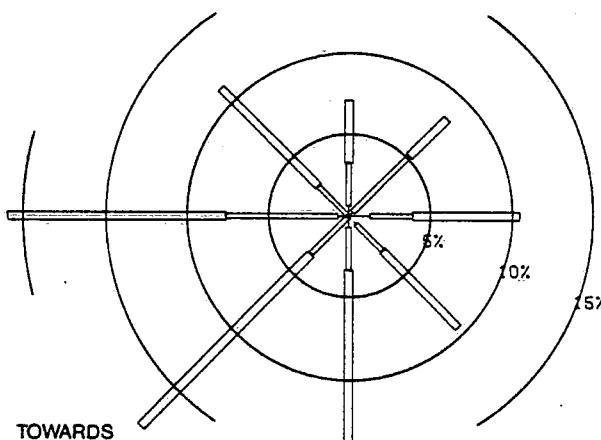


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

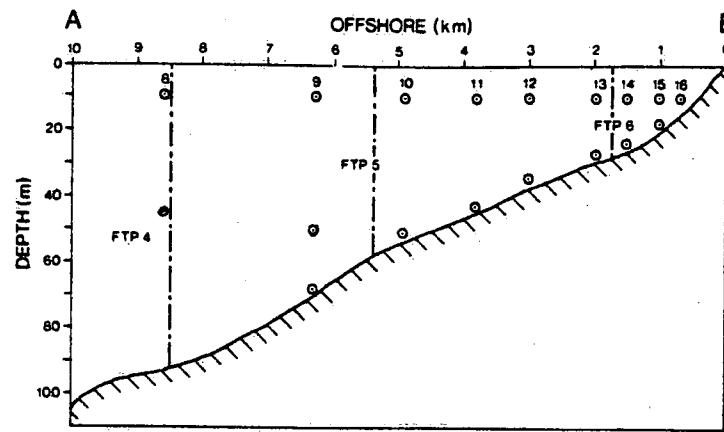


DEPTH: 10 m



DEPTH: 35 m

\*DIRECTION TOWARDS



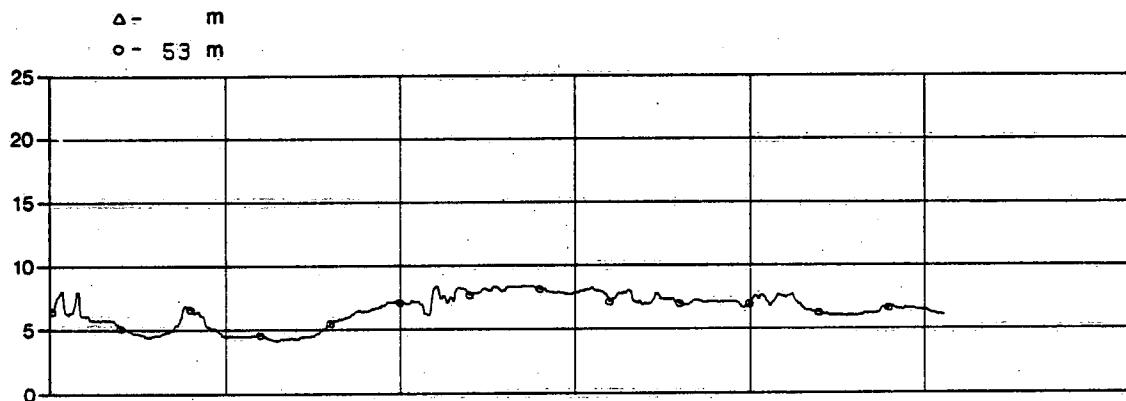
MOORING 10

NOVEMBER 1974

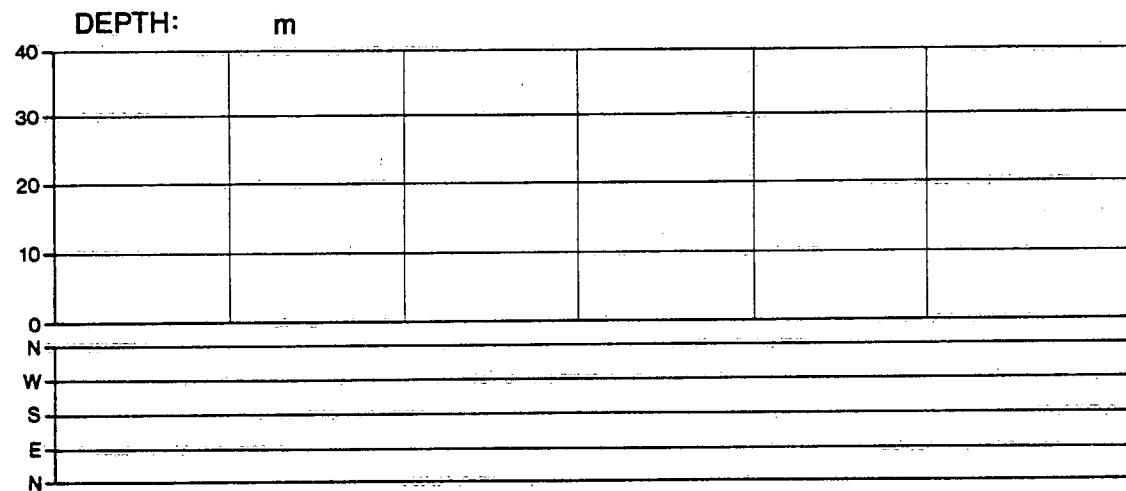
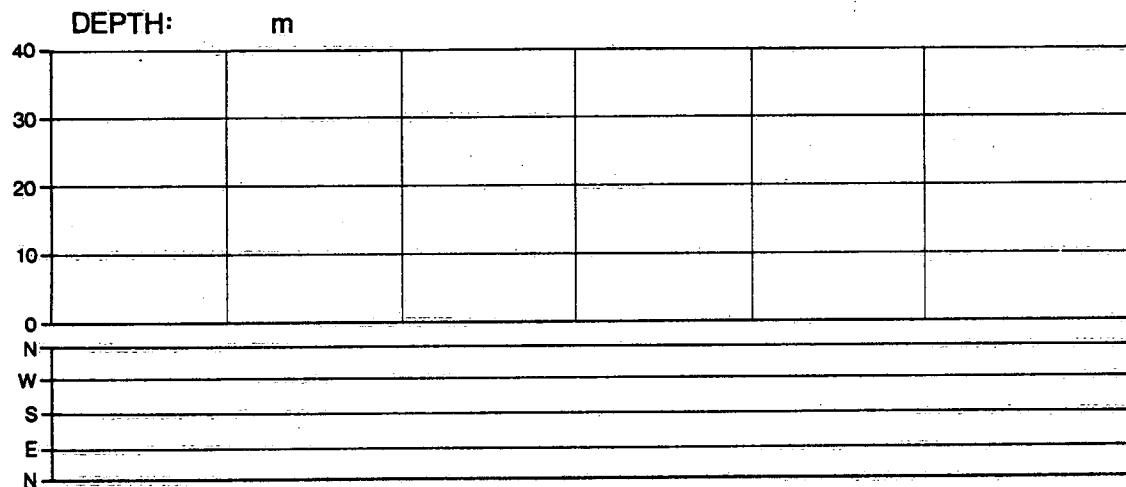
MOORING: 10

DATE: NOV 1974

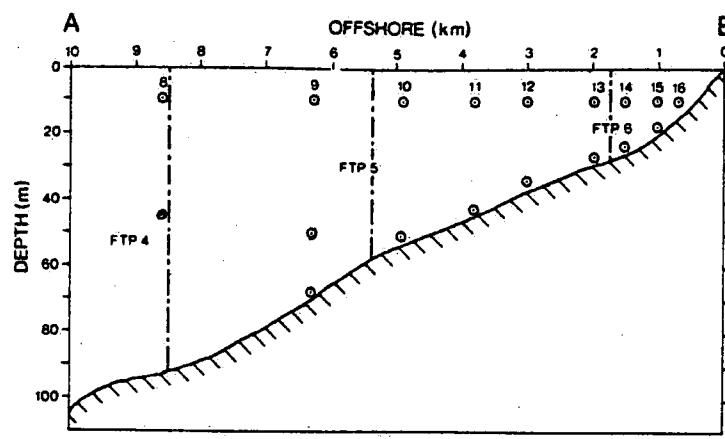
TEMPERATURE °C



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



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' 27' 28' 29' 30' 31'

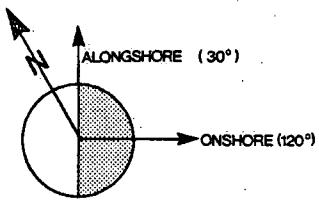


MOORING 11

NOVEMBER 1974

MOORING: 11

DATE: NOV 1974



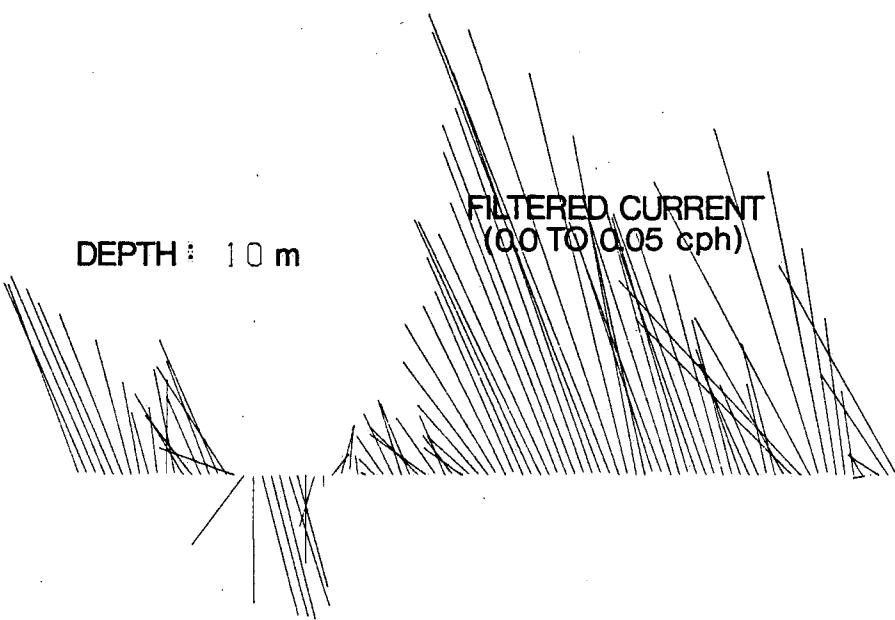
WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>

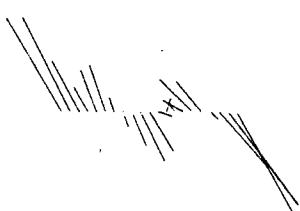
DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: 40 m



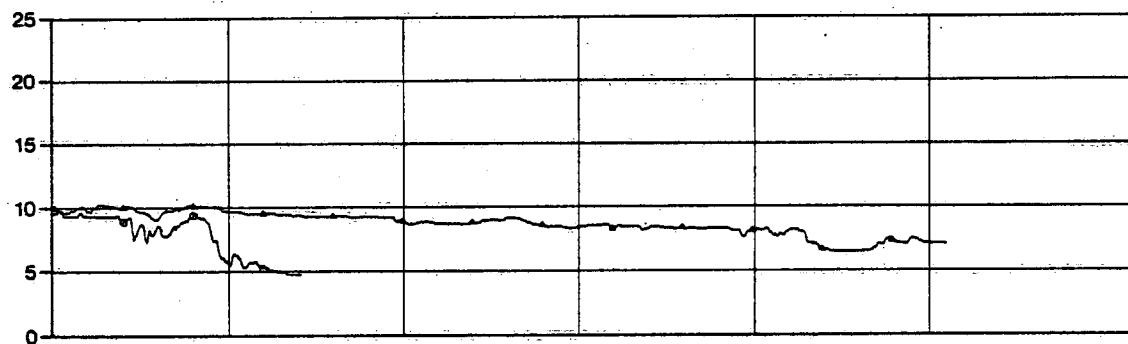
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 11

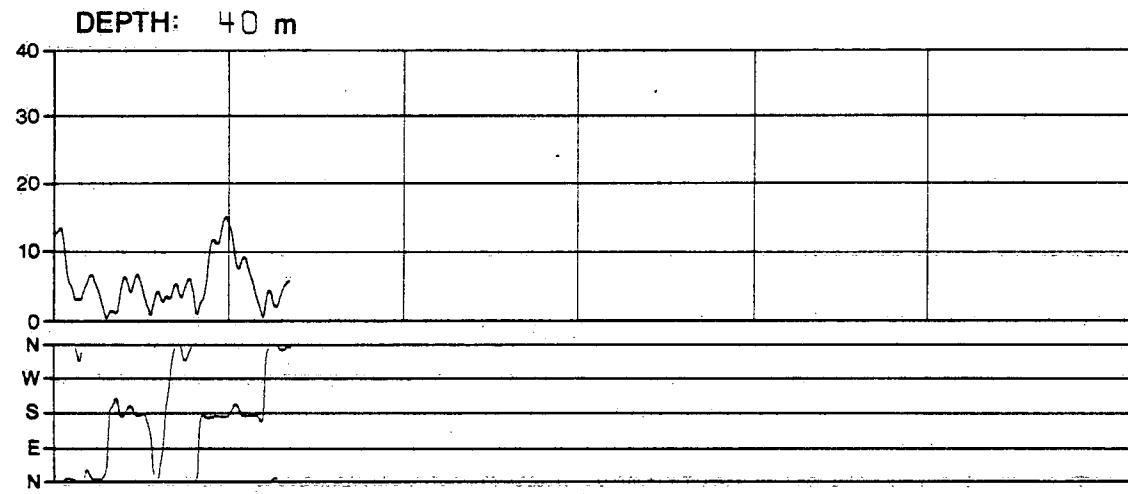
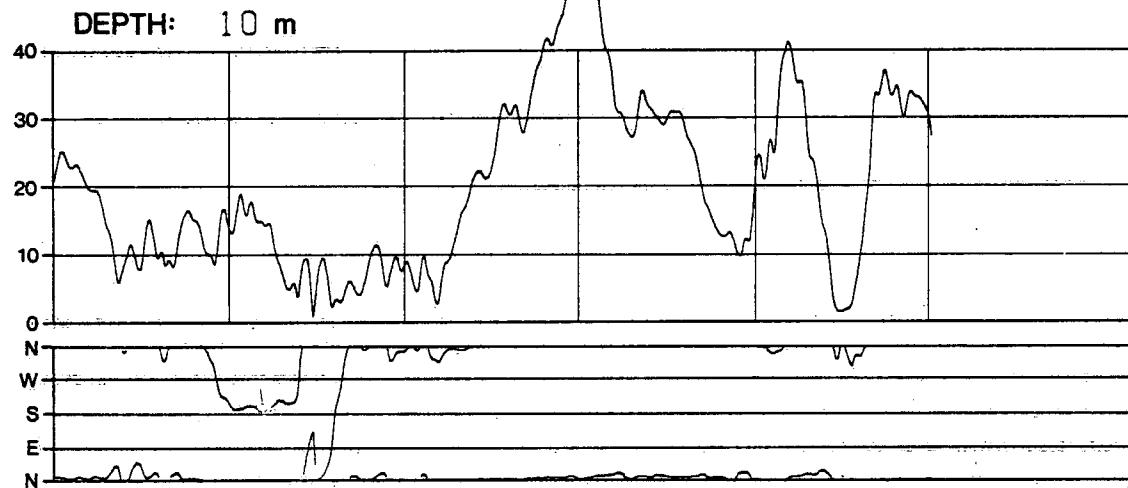
DATE: NOV 1974

TEMPERATURE °C

△ - 10 m  
○ - 40 m



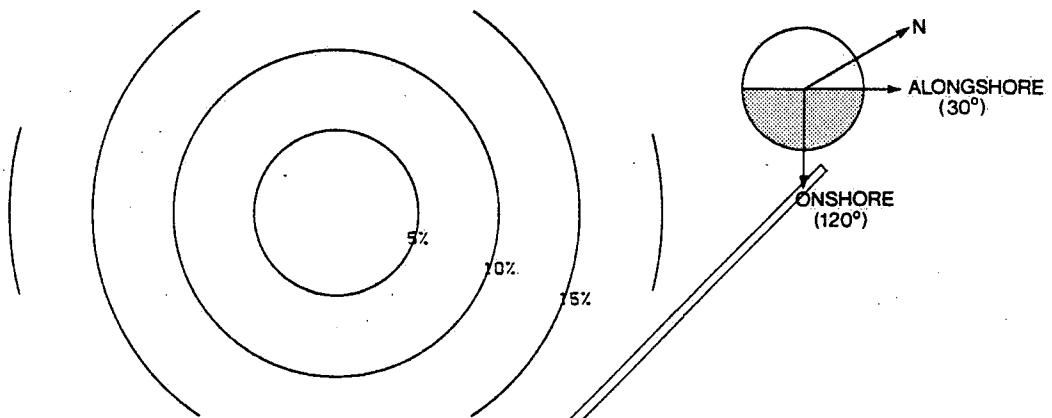
FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



'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 '27 '28 '29 '30 '31

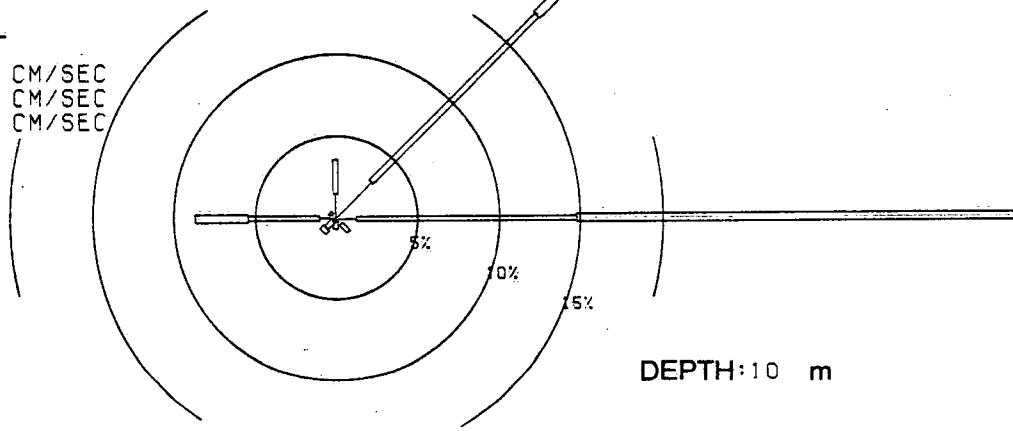
MOORING: 11 DATE: NOV 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

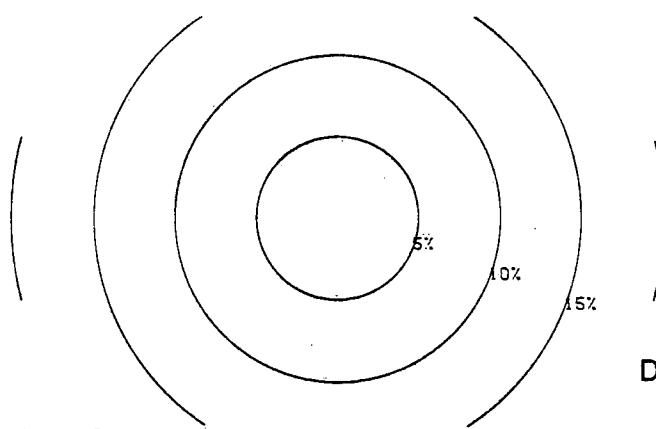


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

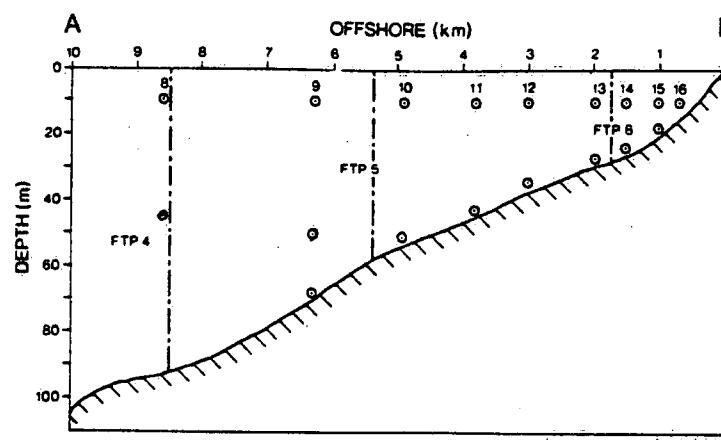


DEPTH: 10 m



DEPTH: m

\*DIRECTION TOWARDS

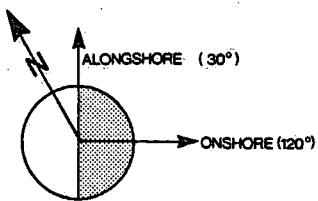


MOORING 12

NOVEMBER 1974

MOORING: 12

DATE: NOV 1974



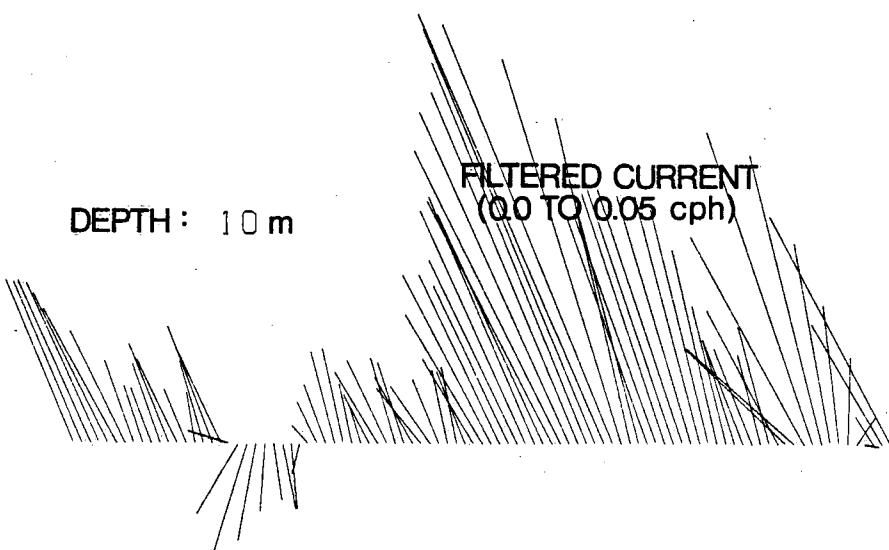
WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec



DEPTH: 35 m



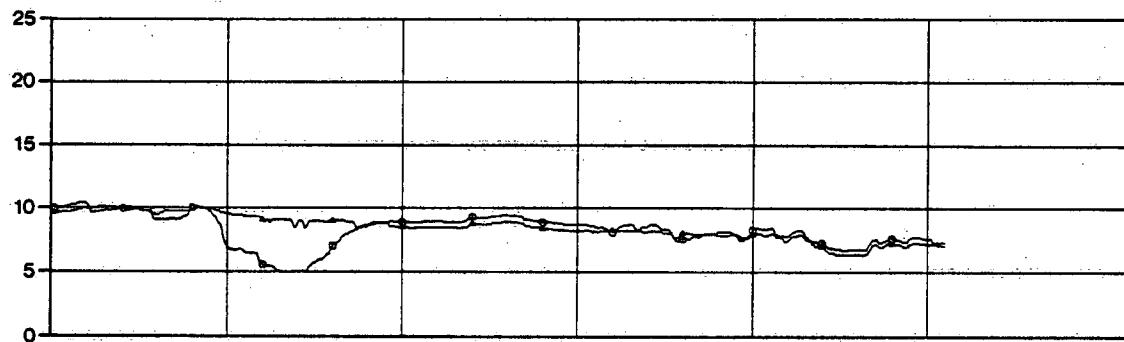
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 12

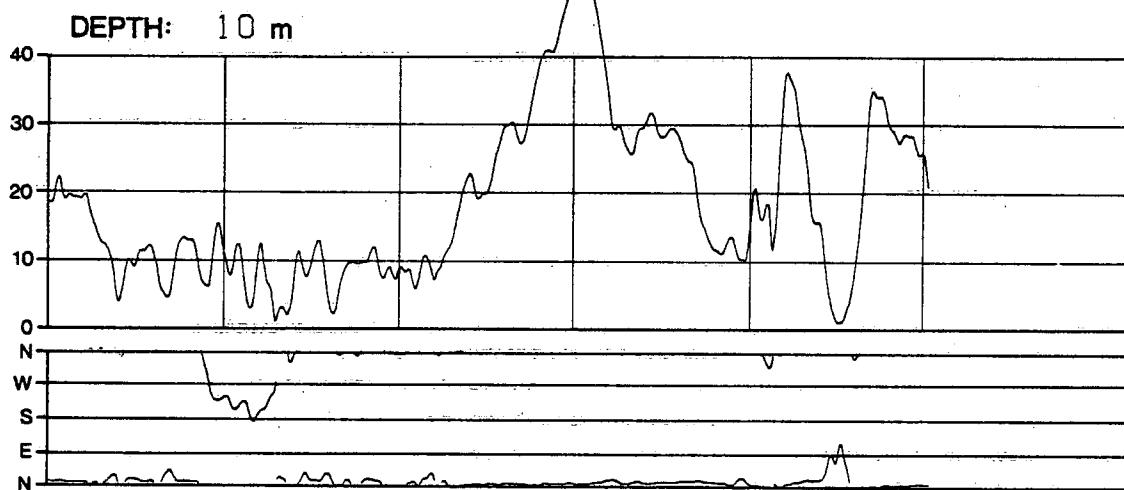
DATE: NOV 1974

TEMPERATURE °C

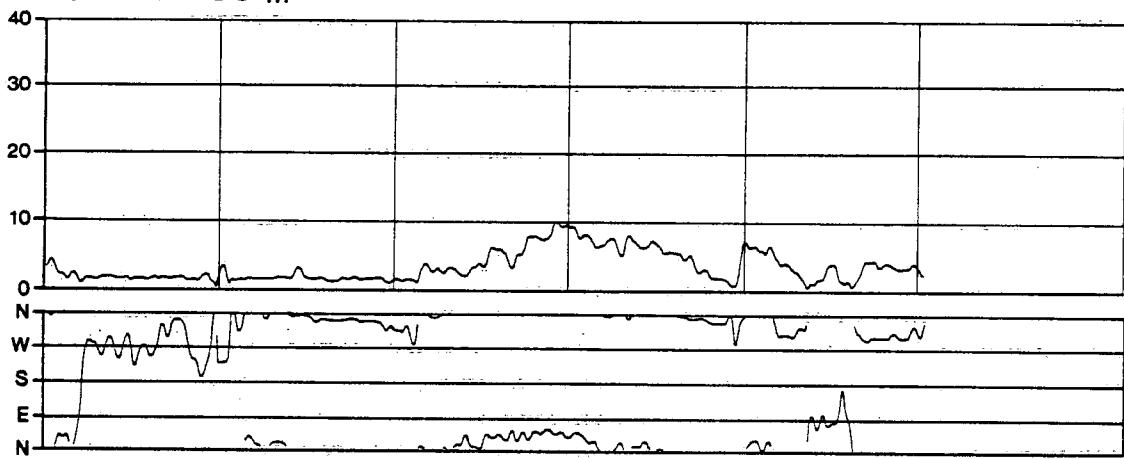
△ - 10 m  
○ - 35 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



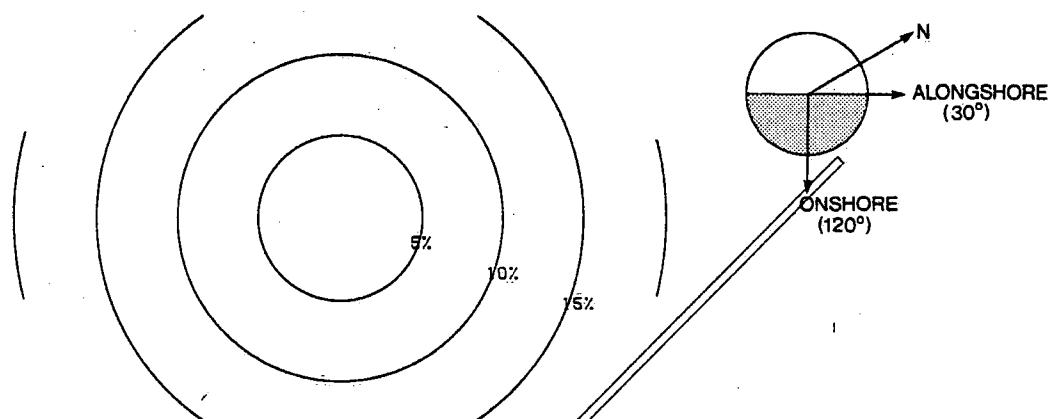
DEPTH: 35 m



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' 27' 28' 29' 30' 31'

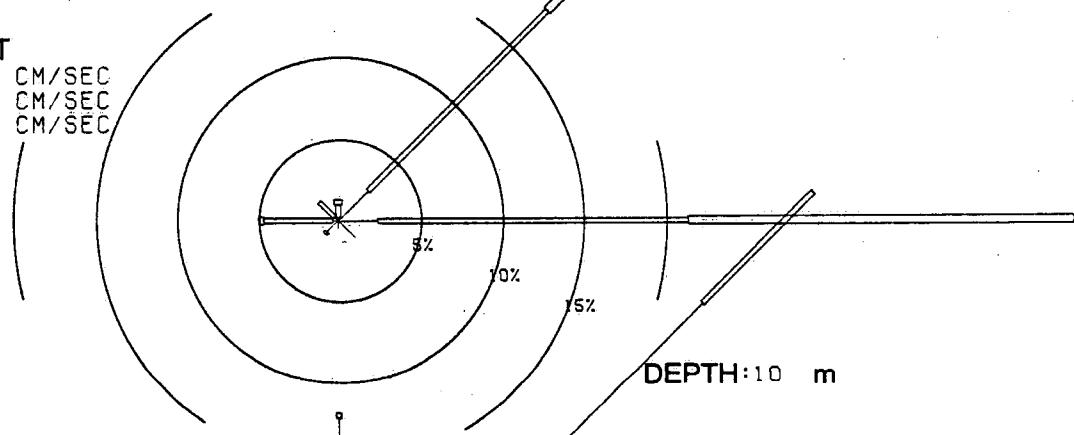
MOORING: 12 DATE: NOV 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

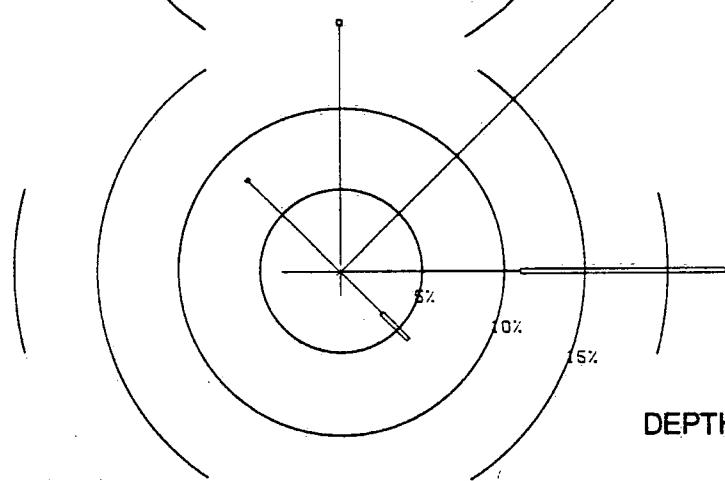


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

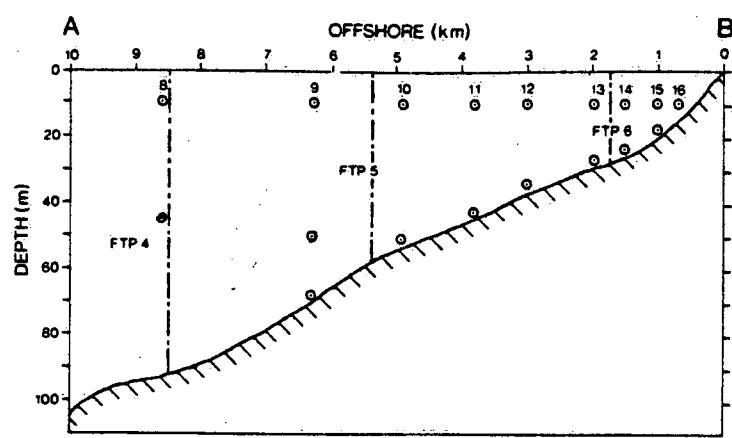


DEPTH: 10 m



DEPTH: 34 m

\*DIRECTION TOWARDS

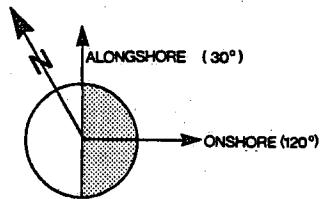


MOORING 13

NOVEMBER 1974

MOORING: 13

DATE: NOV 1974



WINDSPEED<sup>2</sup>

0 40 m<sup>2</sup>/sec<sup>2</sup>

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0 10 cm/sec

DEPTH: 28 m

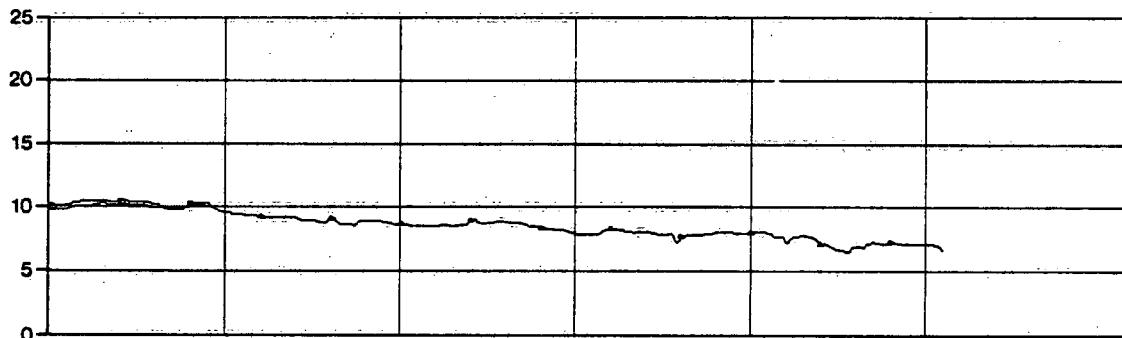
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 13

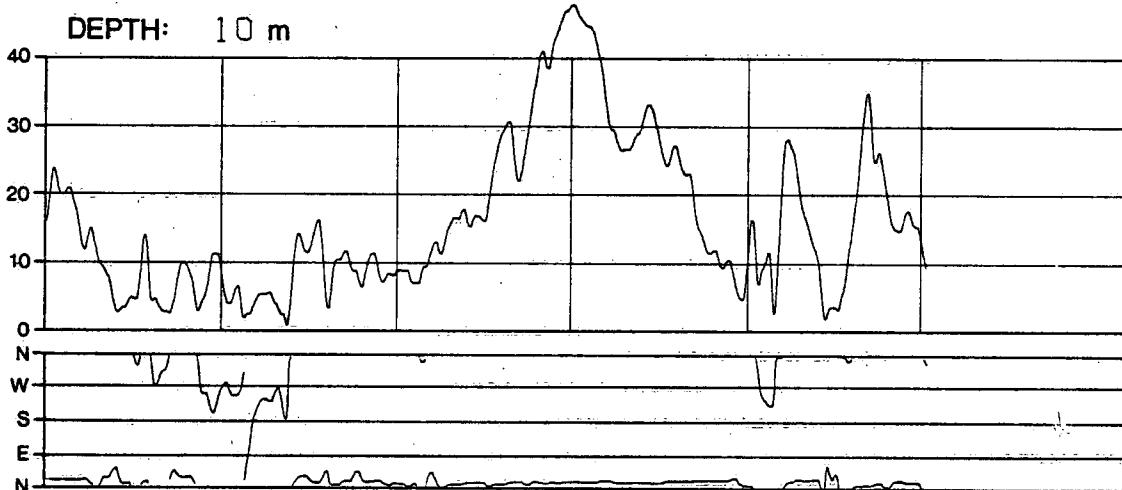
DATE: NOV 1974

TEMPERATURE °C

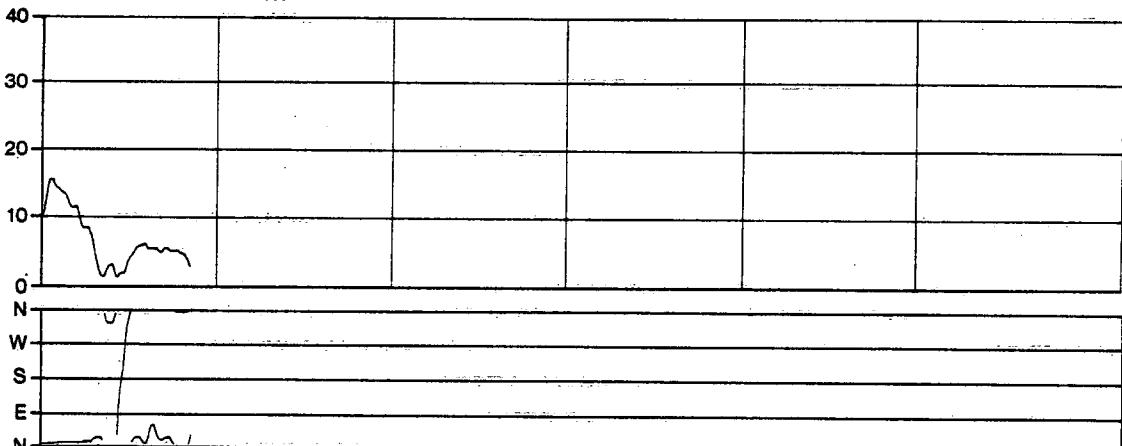
△ - 10 m  
○ - 28 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



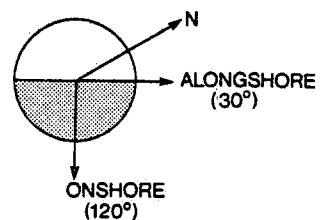
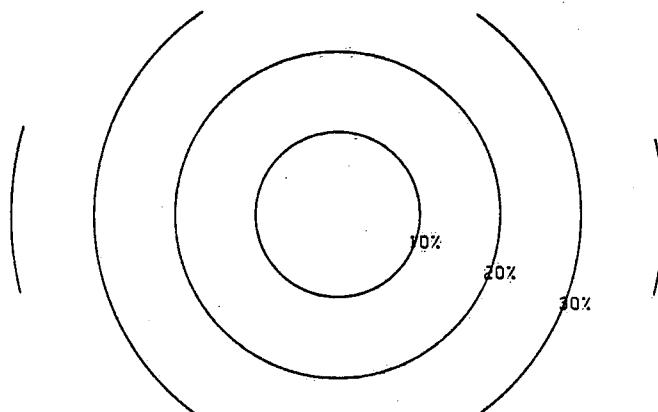
DEPTH: 28 m



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 27 28 29 30 31

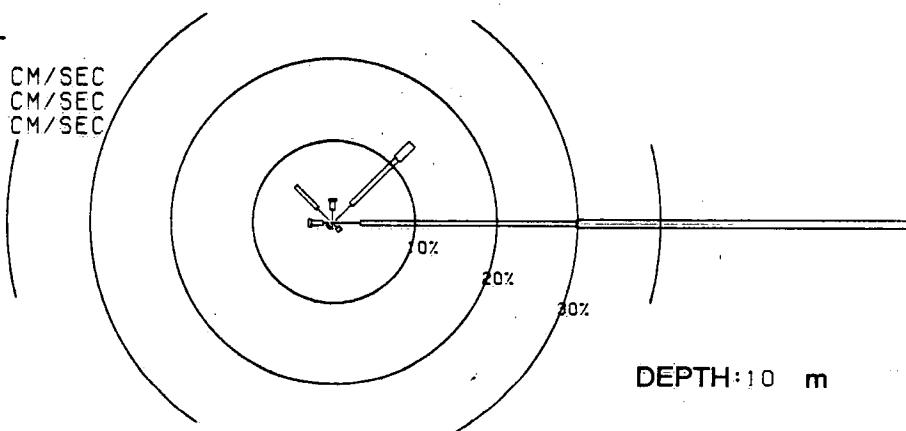
MOORING: 13 DATE: NOV 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

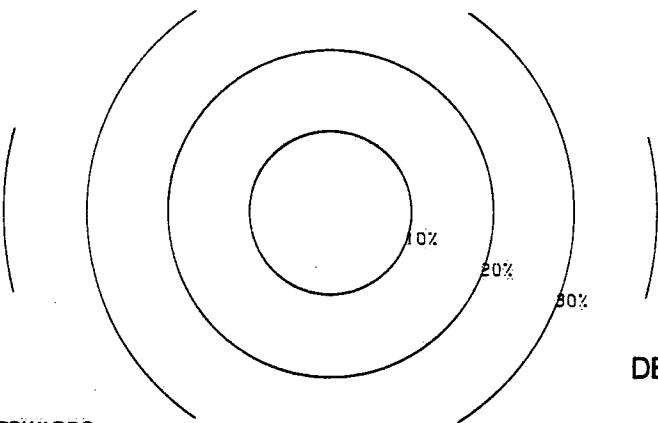


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

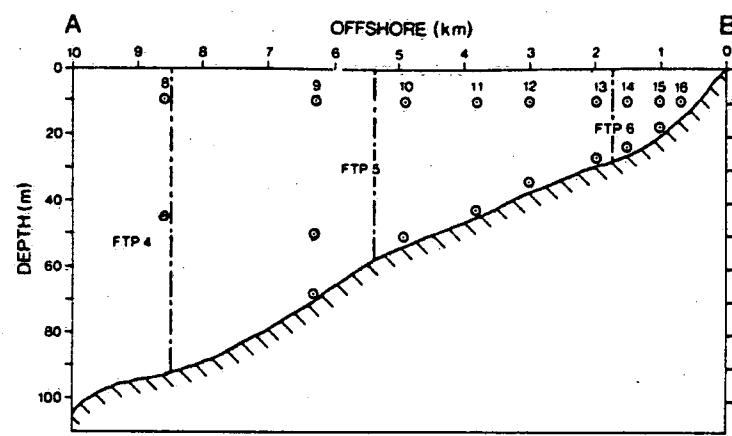


DEPTH: 10 m



DEPTH: m

\*DIRECTION TOWARDS

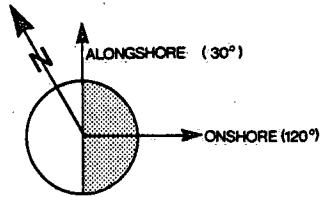


MOORING 14

NOVEMBER 1974

MOORING: 14

DATE: NOV 1974



WINDSPEED<sup>2</sup>

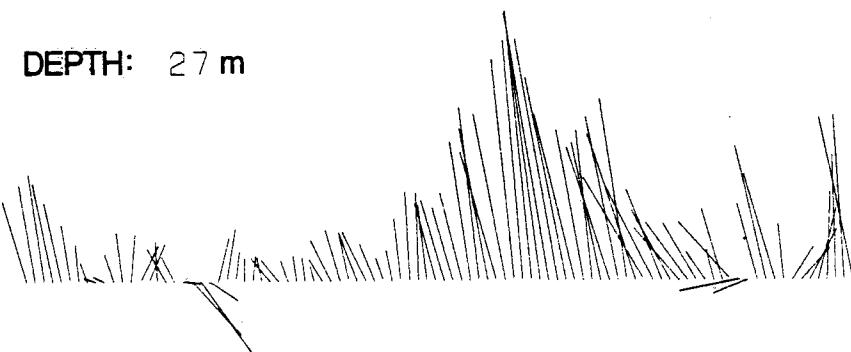
0  $\text{m}^2/\text{sec}^2$

DEPTH: 10 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0  $\text{cm/sec}$

DEPTH: 27 m



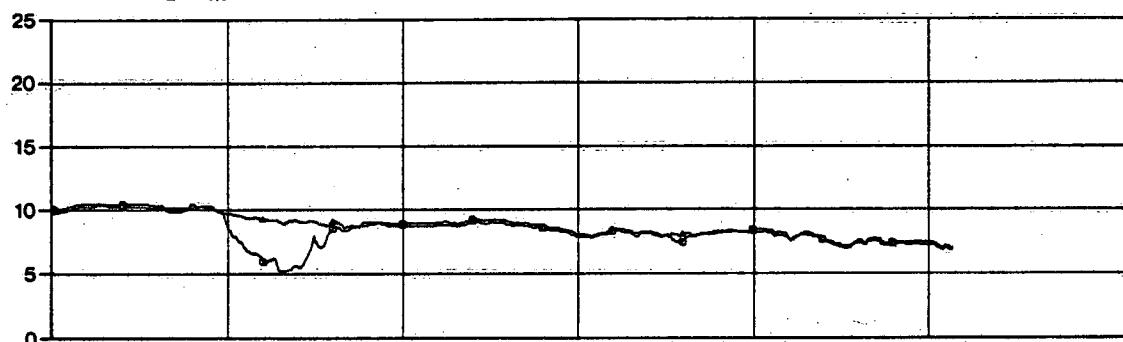
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14

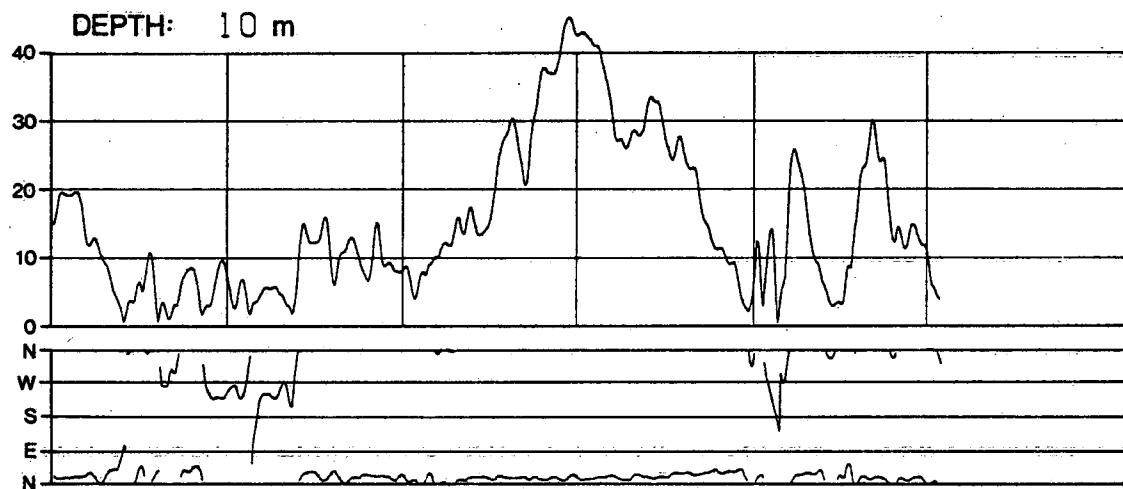
DATE: NOV 1974

TEMPERATURE °C

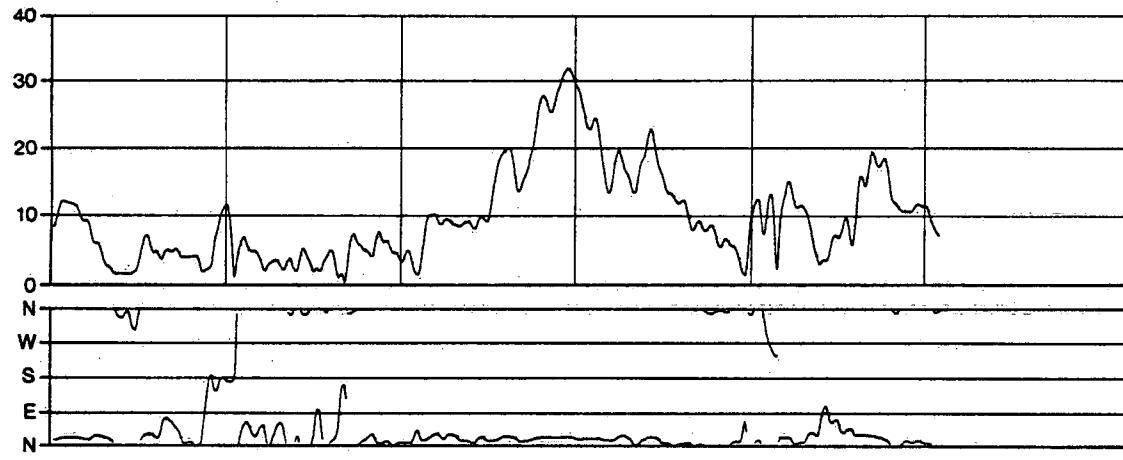
△ - 10 m  
○ - 27 m



FILTERED CURRENT (0.0 to 0.2 cph) cm/sec



DEPTH: 27 m

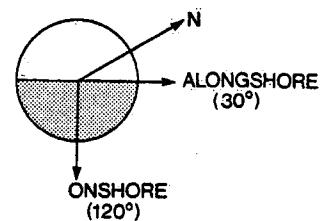
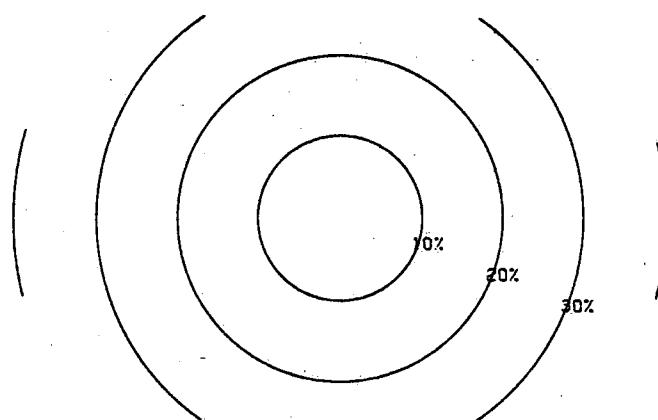


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 14 DATE: NOV 1974

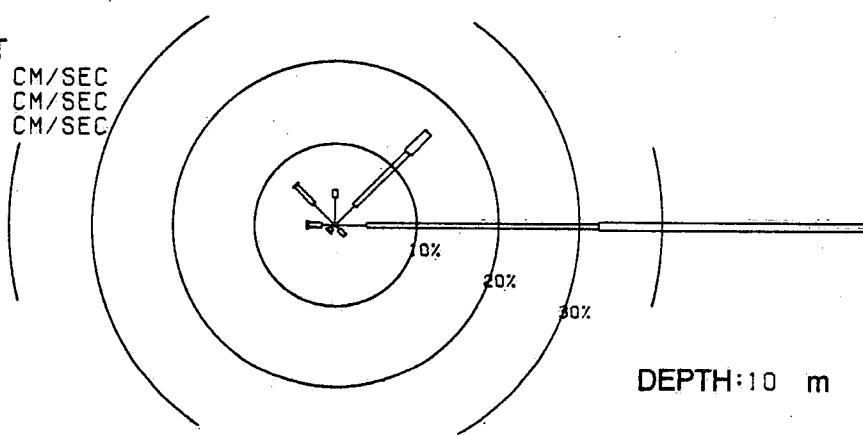
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

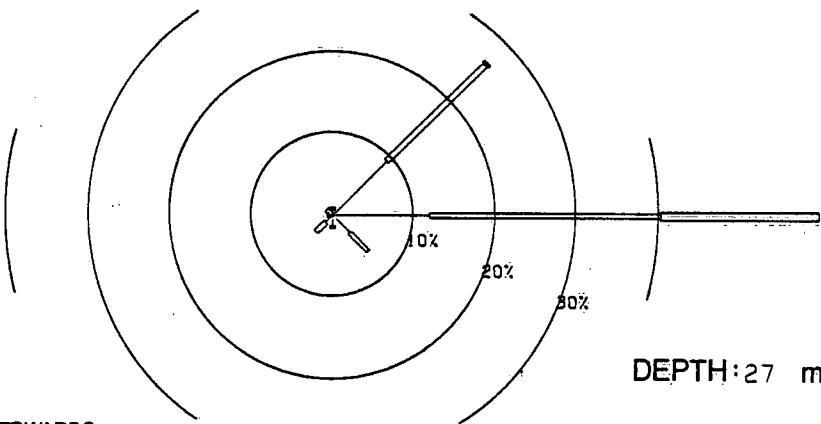


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

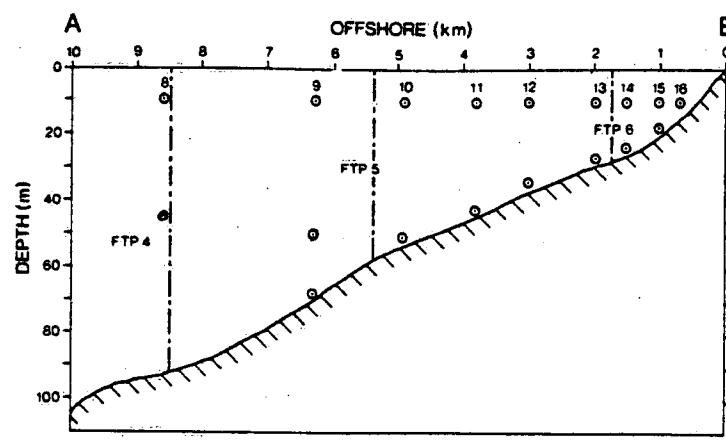


DEPTH: 10 m



DEPTH: 27 m

\*DIRECTION TOWARDS

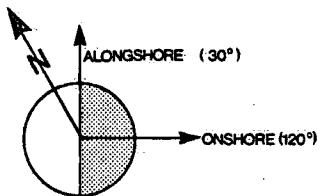


MOORING 15

NOVEMBER 1974

**MOORING: 15**

**DATE: NOV 1974**



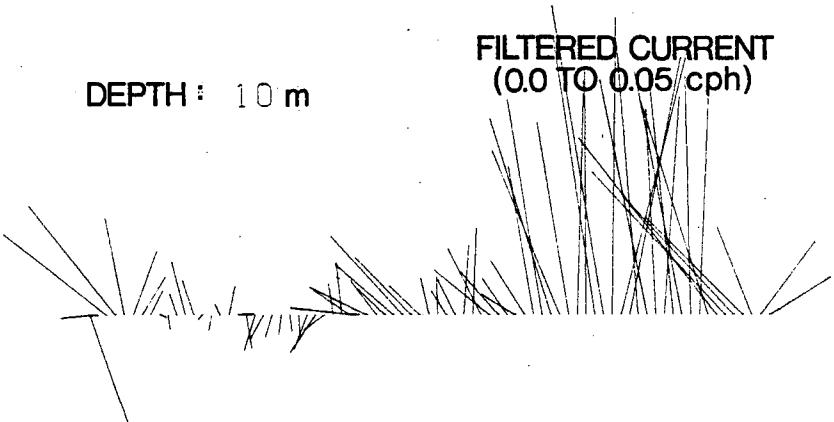
**WINDSPEED<sup>2</sup>**

0      40 m<sup>2</sup>/sec<sup>2</sup>

**DEPTH: 10 m**

**FILTERED CURRENT  
(0.0 TO 0.05 cph)**

0      10 cm/sec



**DEPTH: 19 m**



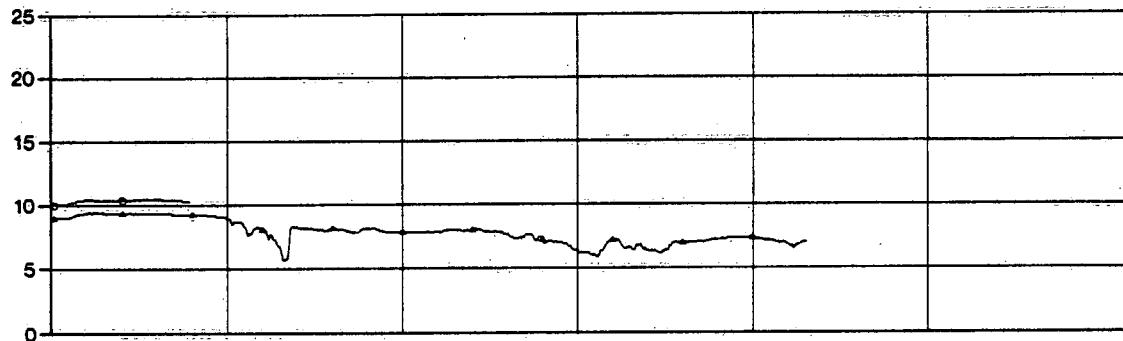
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: 15

DATE: NOV 1974

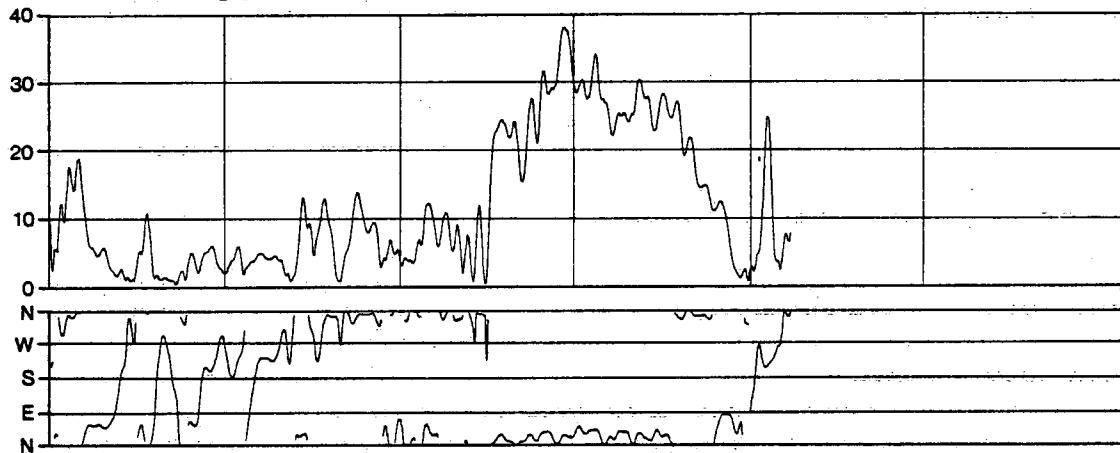
TEMPERATURE °C

△ - 10 m  
○ - 19 m

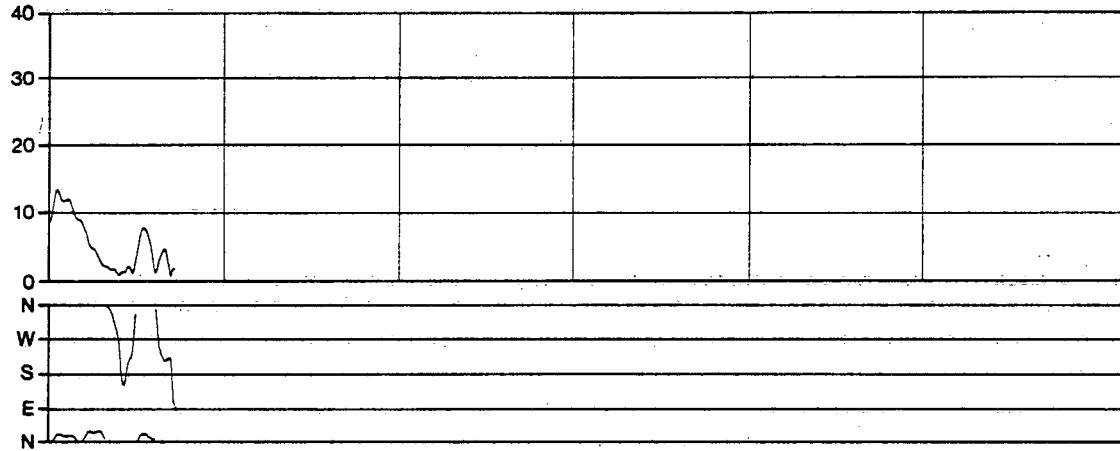


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 10 m



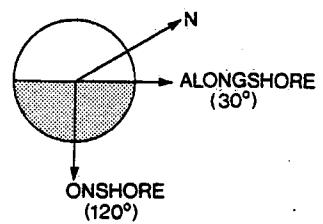
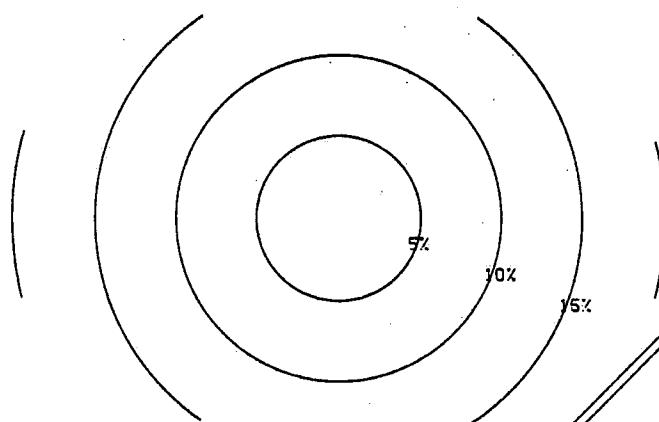
DEPTH: 19 m



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' 27' 28' 29' 30' 31'

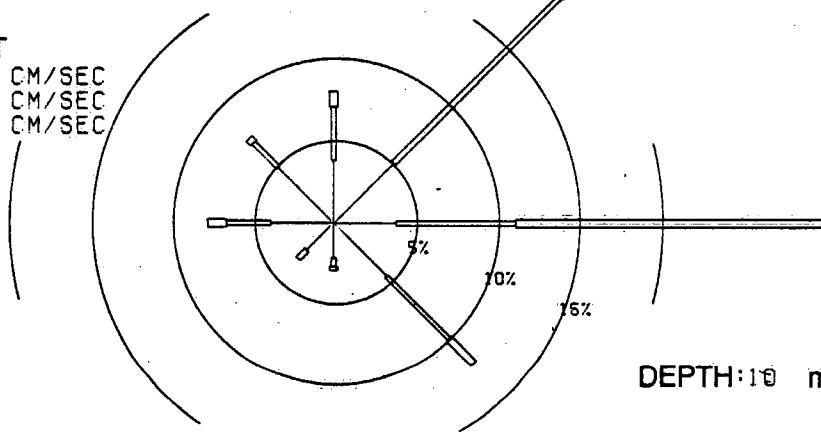
MOORING: 15 DATE: NOV 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

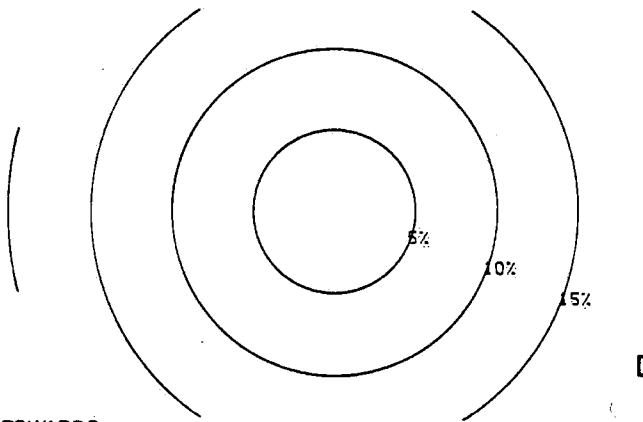


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

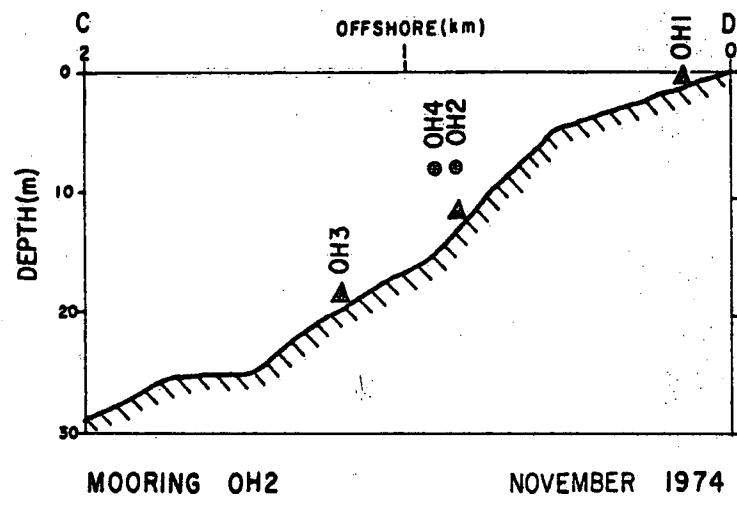


DEPTH: 10 m



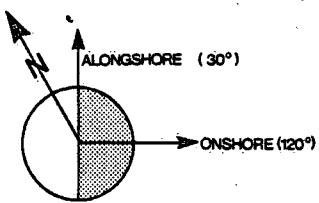
DEPTH: m

\*DIRECTION TOWARDS



MOORING: OH2

DATE: NOV 1974



WINDSPEED<sup>2</sup>

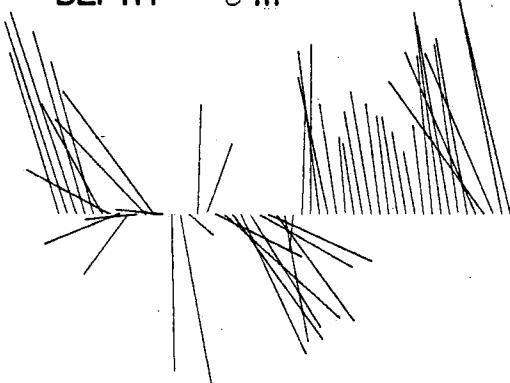
0      40 m<sup>2</sup>/sec<sup>2</sup>

.....

DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: m

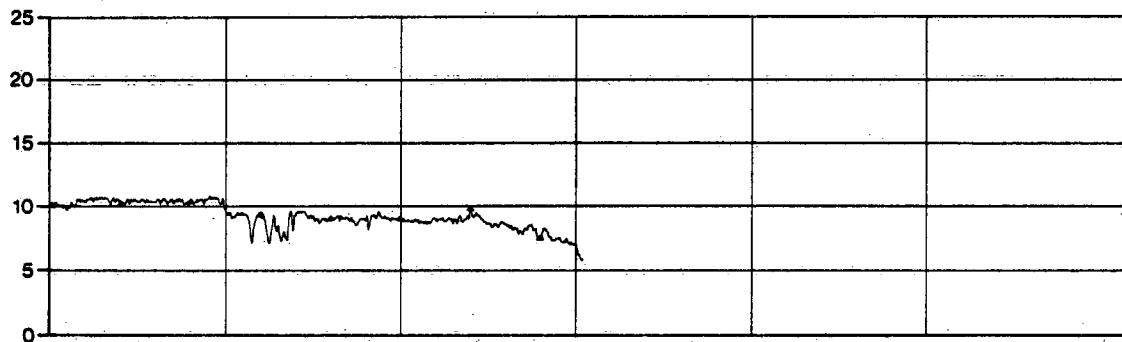
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH2

DATE: NOV 1974

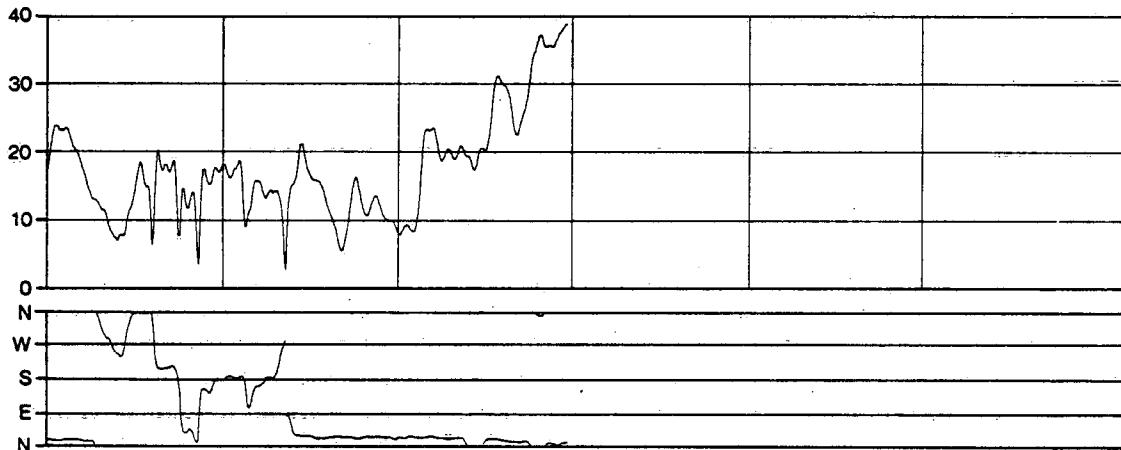
TEMPERATURE °C

△ - 8 m  
○ - m

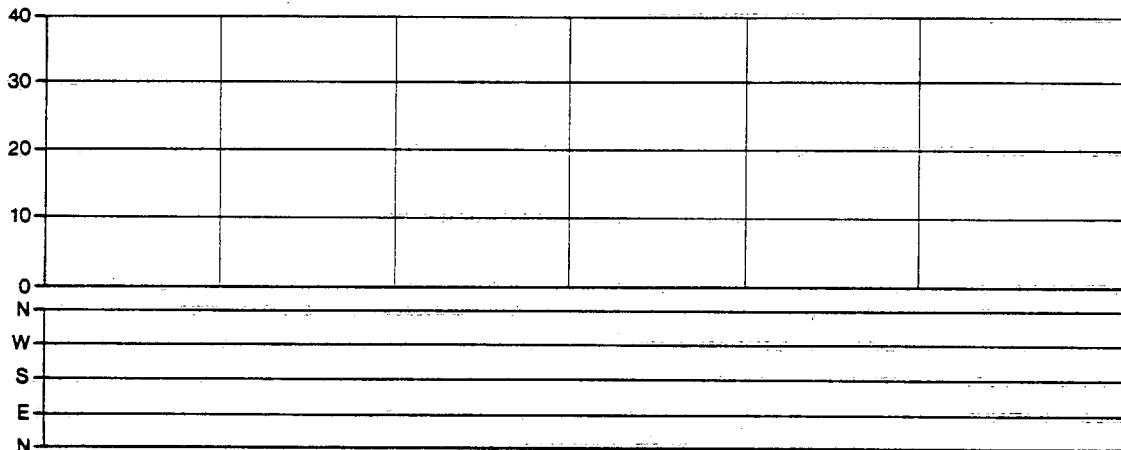


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 8 m



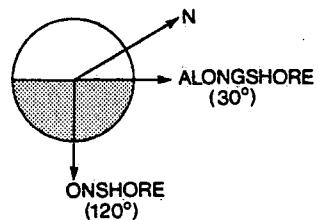
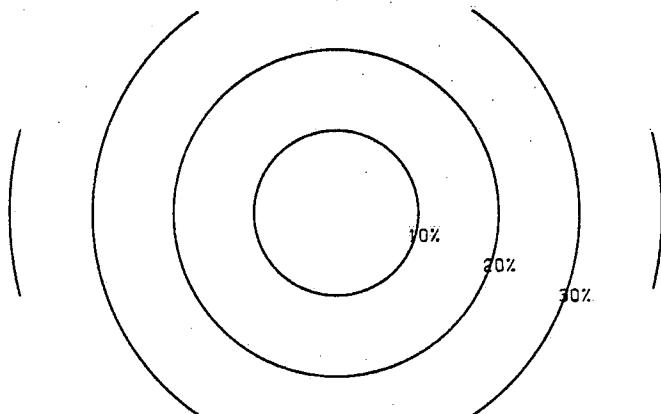
DEPTH: m



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' 27' 28' 29' 30' 31'

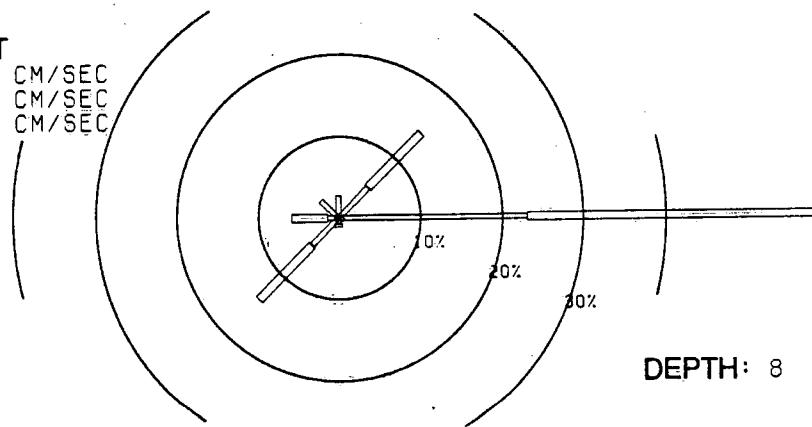
MOORING: OH2 DATE: NOV 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

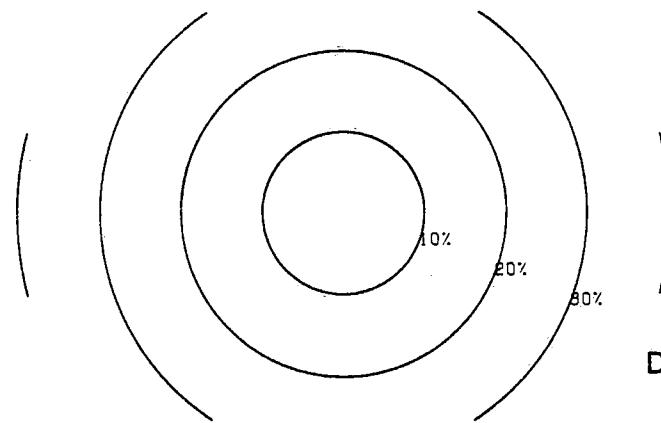


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC

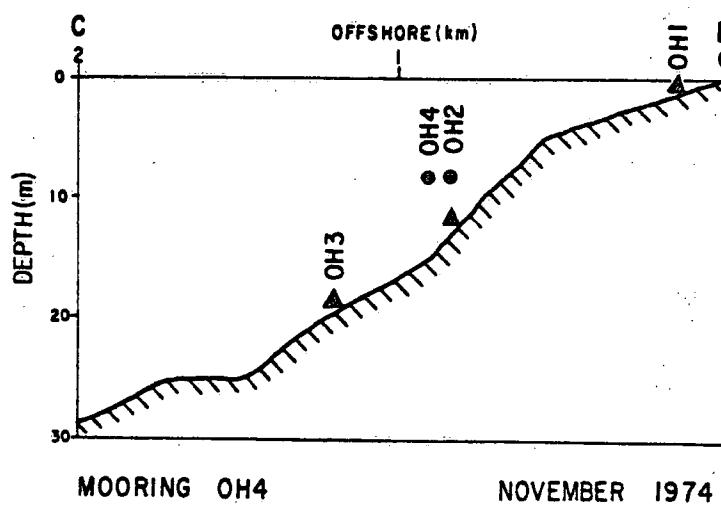


DEPTH: 8 m



DEPTH: m

\*DIRECTION TOWARDS

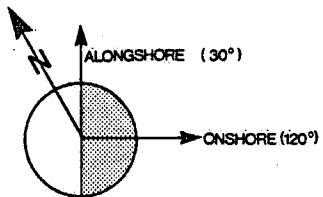


MOORING OH4

NOVEMBER 1974

MOORING: OH4

DATE: NOV 1974



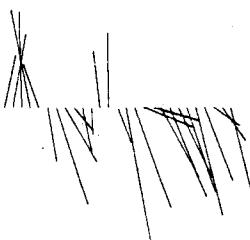
WINDSPEED<sup>2</sup>

0      40 m<sup>2</sup>/sec<sup>2</sup>

DEPTH: 8 m

FILTERED CURRENT  
(0.0 TO 0.05 cph)

0      10 cm/sec



DEPTH: m

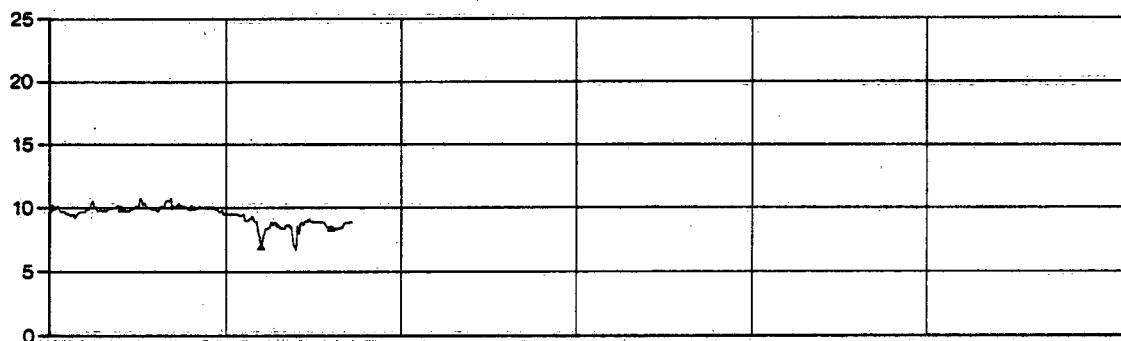
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MOORING: OH4

DATE: NOV 1974

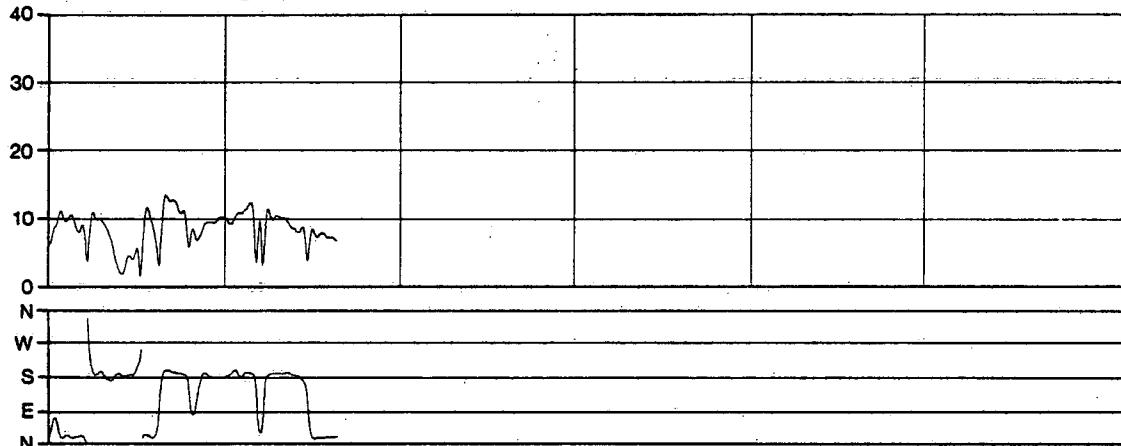
TEMPERATURE °C

△ - 8 m  
○ - m

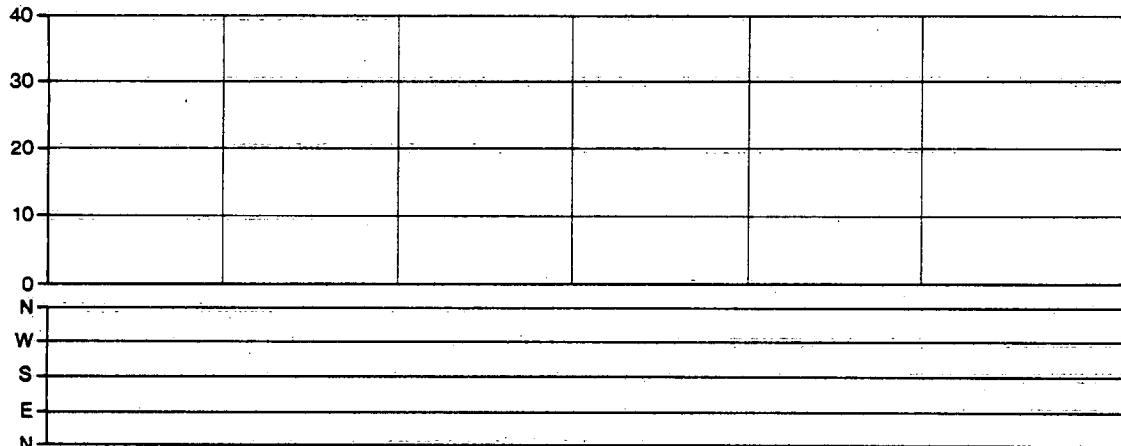


FILTERED CURRENT (0.0 to 0.2 cph) cm/sec

DEPTH: 8 m



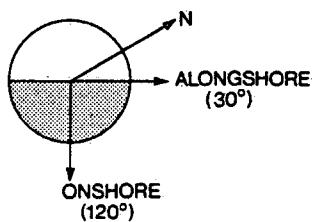
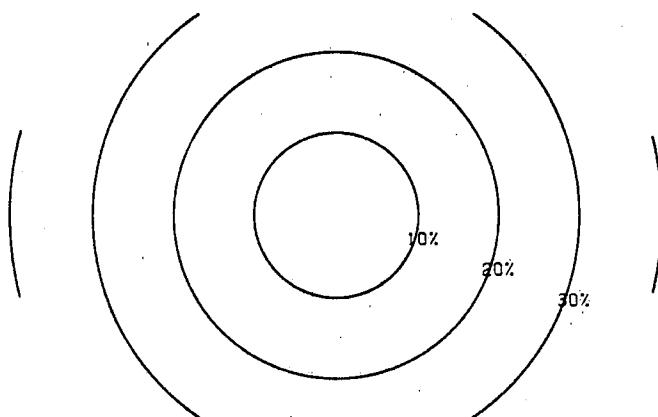
DEPTH: m



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' 27' 28' 29' 30' 31'

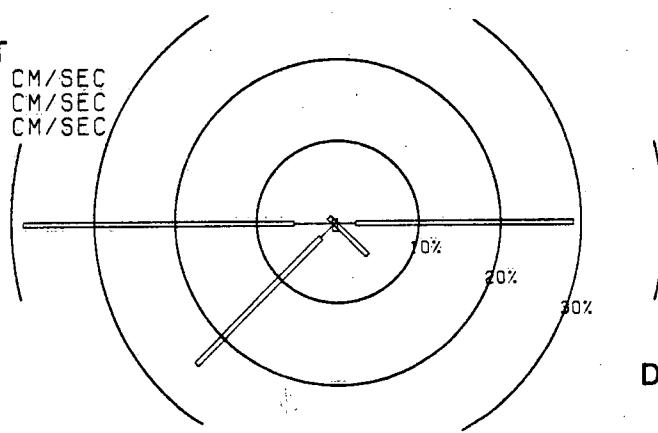
MOORING: 0H4 DATE: NOV 1974  
MONTHLY SUMMARY: WIND AND CURRENT\*

WIND

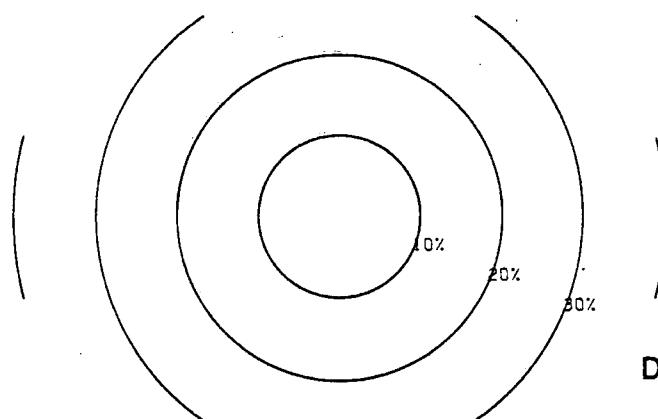


CURRENT

— 0-5 CM/SEC  
— 5-15 CM/SEC  
— ≥ 15 CM/SEC



DEPTH: 8 m

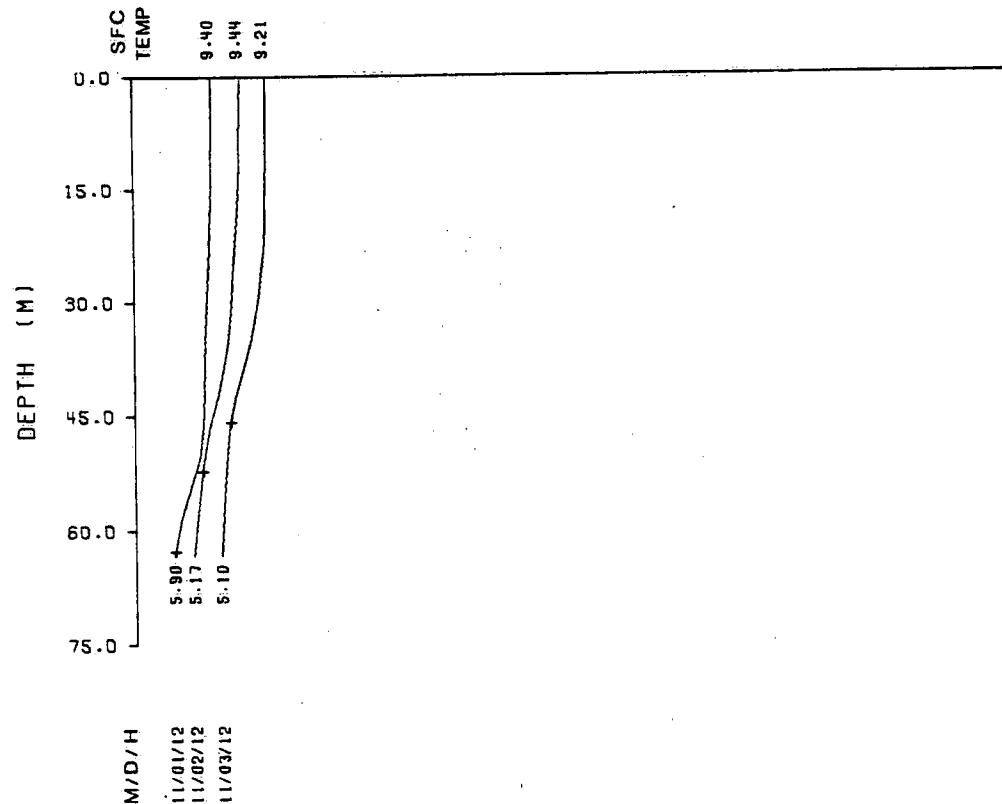


DEPTH: m

\*DIRECTION TOWARDS

## DAILY AVERAGED TEMPERATURE PROFILES

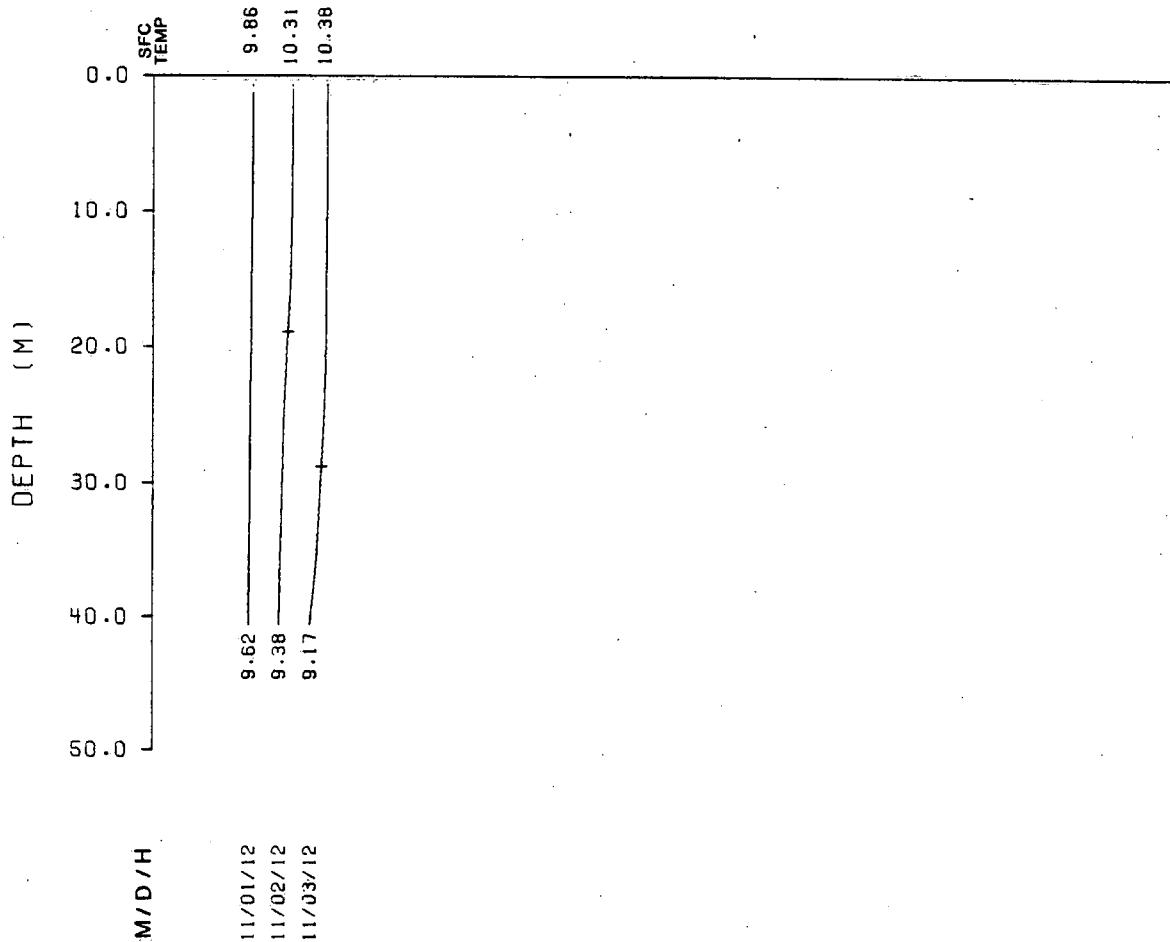
DATE - NOVEMBER 1974  
LOCATION - L. HURON (DOUGLAS POINT)  
MOORING - 4  
INSTRUMENT - FIXED TEMPERATURE PROFILER  
ISOTHERM - 6 DEGREE MARKED WITH +



TEMPERATURE SCALE °C  
5.00 15.00 25.00 35.00

## DAILY AVERAGED TEMPERATURE PROFILES

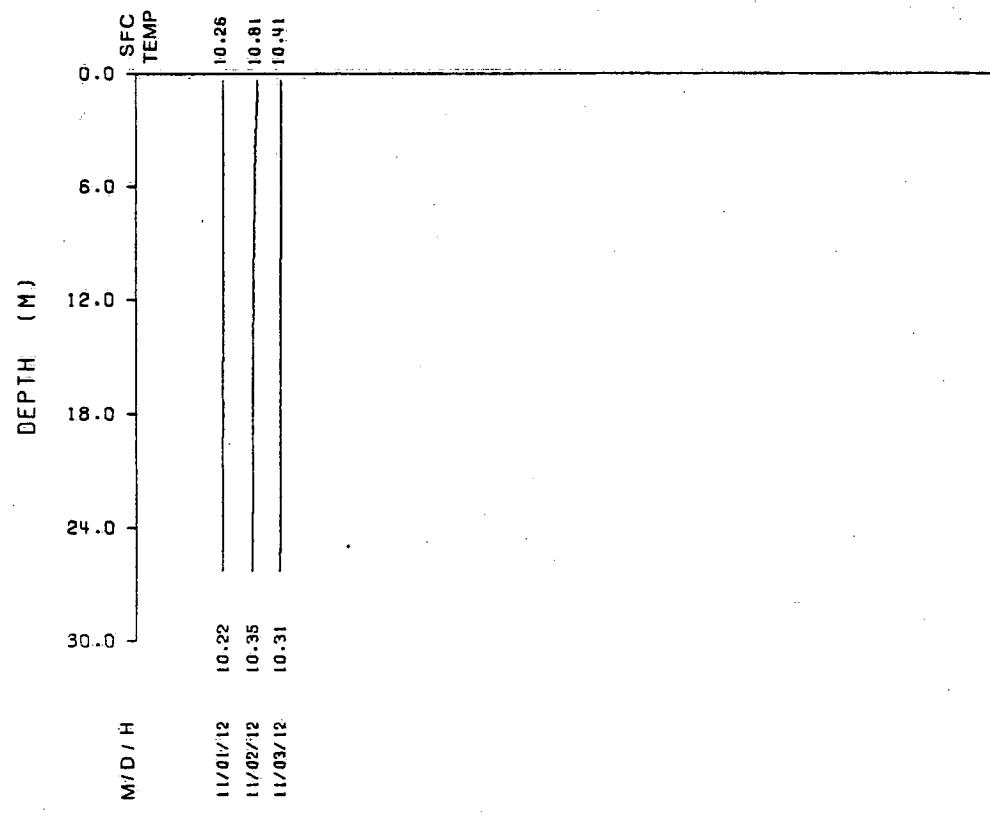
DATE - NOVEMBER 1974  
LOCATION - L. HURON (DOUGLAS POINT)  
MOORING - S  
INSTRUMENT - FIXED TEMPERATURE PROFILER  
ISOTHERM - 10 DEGREE MARKED WITH +



TEMPERATURE	SCALE °C		
5.00	15.00	25.00	35.00

## DAILY AVERAGED TEMPERATURE PROFILES

DATE - NOVEMBER 1974  
LOCATION - L. HURON (DOUGLAS POINT)  
MOORING - 6  
INSTRUMENT - FIXED TEMPERATURE PROFILER  
ISOTHERM - 10 DEGREE MARKED WITH +



TEMPERATURE SCALE °C  
5.00 15.00 25.00 35.00

**APPENDIX D: ONTARIO HYDRO SPECIAL STUDIES**

## ONTARIO HYDRO SPECIAL STUDIES

Ontario Hydro, in addition to continuous current and temperature measurements, carried out special studies consisting of current measurement by drogues and bi-weekly measurements of water temperature profiles in the nearshore zone of about 2 km. These are briefly discussed here.

### 1. Current Measurement by Drogues

Drogue surveys were carried out on June 11, 12, and 13 using canvas rectangular frame drogues. Drogue tracking was done using a boat equipped with an electronic positioning system (Mini-ranger). The area covered ranged from Inverhuron Provincial Park to Baie du Dore, a stretch of 4 to 5 km extending to about 1.5 km offshore. Drogues were set at 3, 6, and 9 m depths at intervals of 200 to 300 m and the interval between fixes varied from 20 to 30 minutes. The results of these surveys indicating the drogue trajectories, the average drogue direction, the average and maximum speeds and the prevailing wind are shown on Figures D1 to D3.

### 2. Water Temperature Profiles

Vertical temperature profiles were taken at 2 to 3 week intervals during the summer and fall up to 1.4 km offshore along the sewage Lagoon Line about 1.2 km south of Douglas Point. Electrical thermometers (YSI thermistemp) with high sensitivity thermistor probes were used for recording the temperature profiles. Water Temperature Cross Sections

showing isotherms from May 8 to November 22 are shown on Figures D4 to D10.

### 3. Seasonal Water Temperature Distribution

Continuous water temperature measurements were taken at 2 m, 8 m, 12 m, and 18 m depths at various locations shown on Figure 2 in the vicinity of the Bruce Nuclear Power Development from May to November. Daily mean temperatures computed from hourly digitized values have been presented graphically in Figures D11 to D13. Figure D11 gives the daily mean temperatures at four different depths; figure D12 shows a comparison of nearshore temperatures at 2 m depth for the Bruce 'A', Bruce 'B' and Baie du Dore locations. Daily mean temperatures at 12 m depth recorded along the cooling water intake line of Bruce 'A' Generating Station and the proposed Bruce 'B' site are compared in Figure D13.

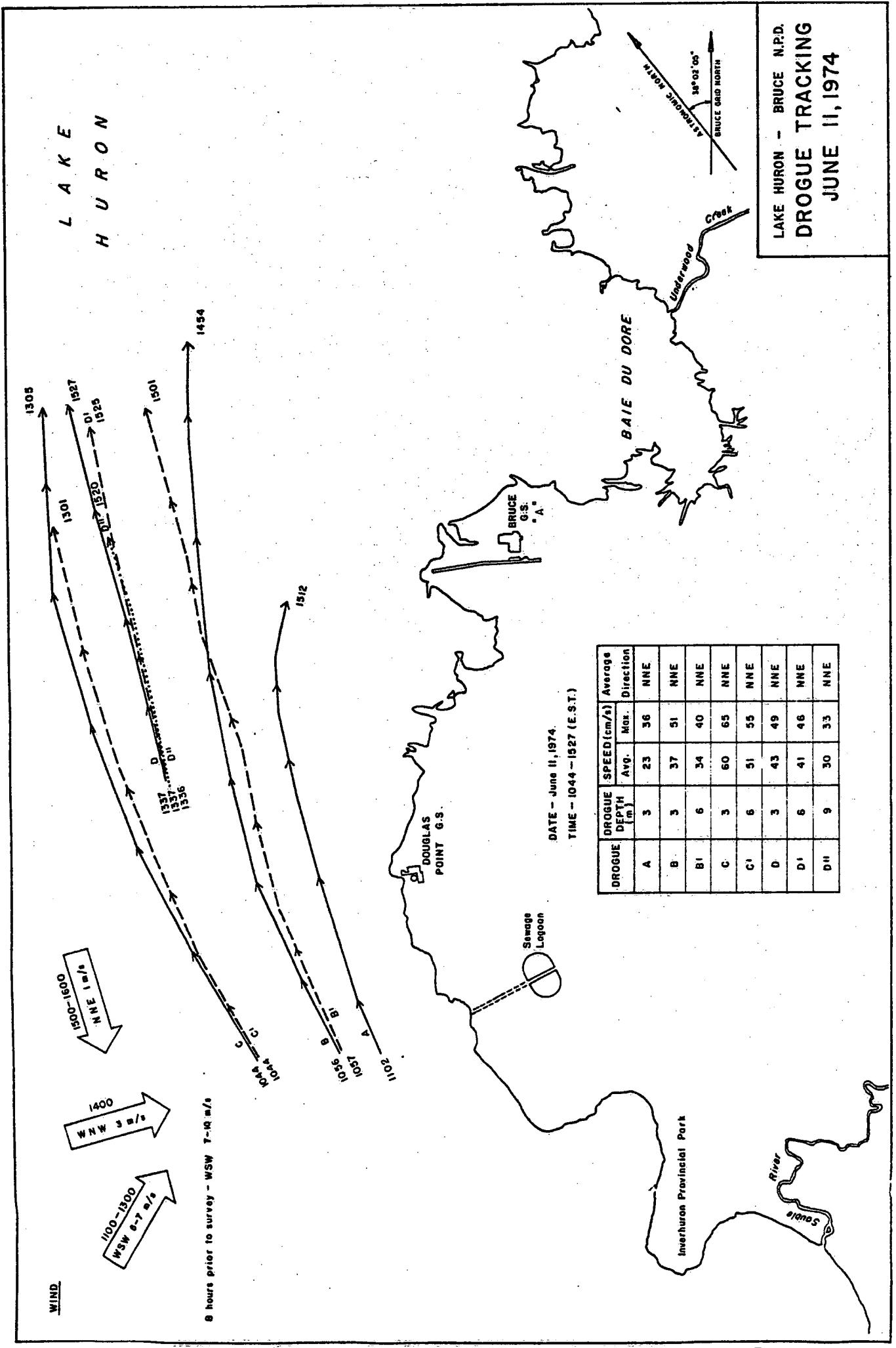
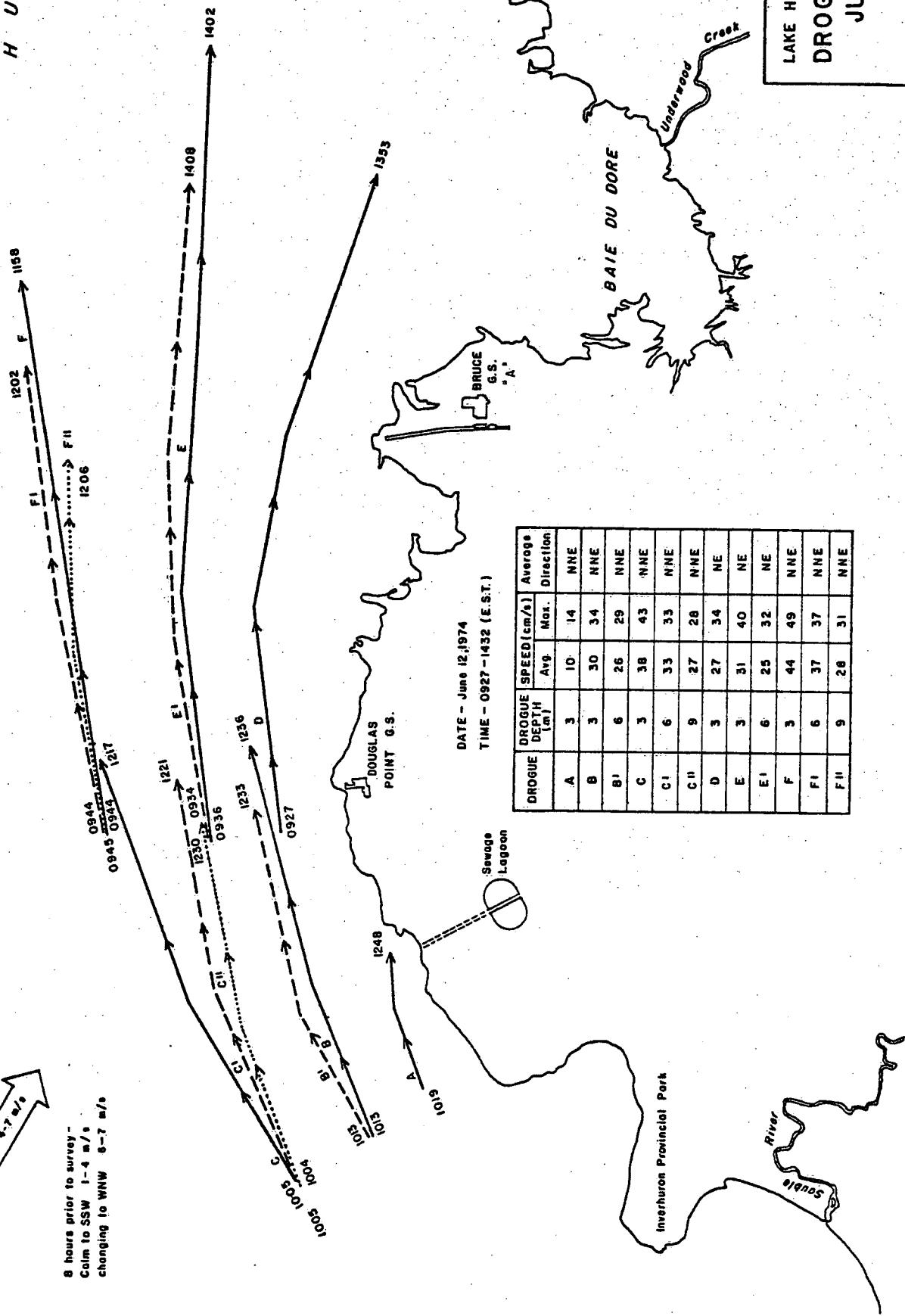


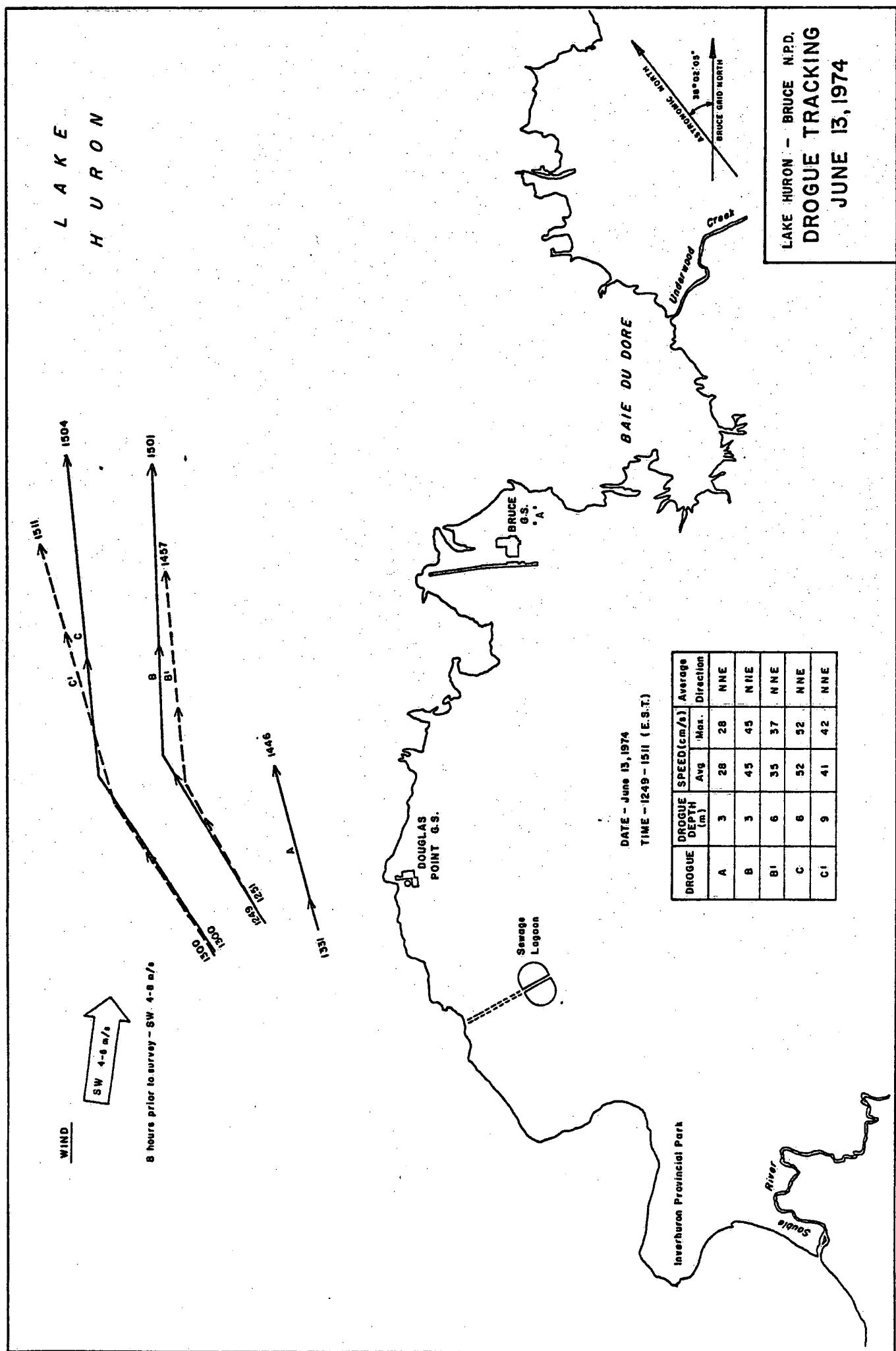
Figure D 1

L A K E  
H U R O N

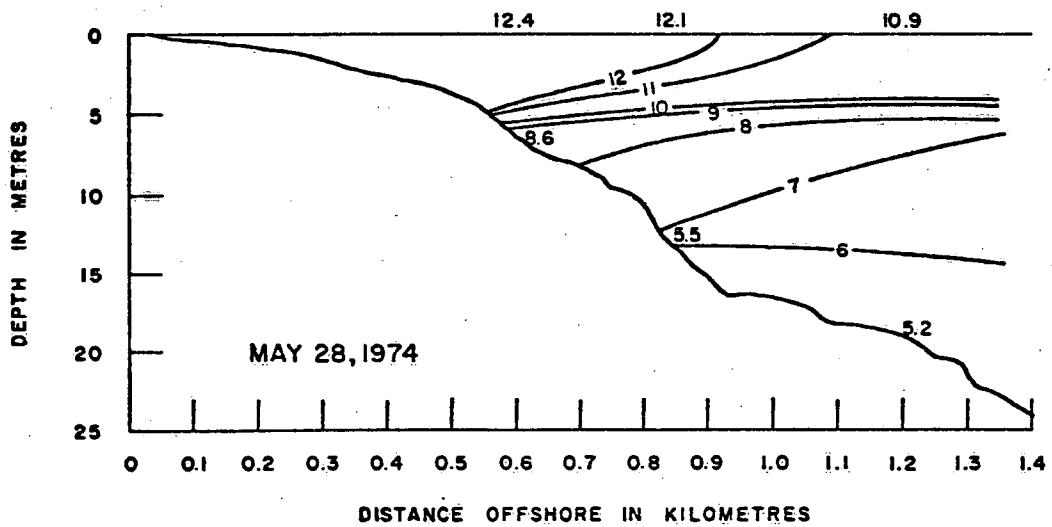
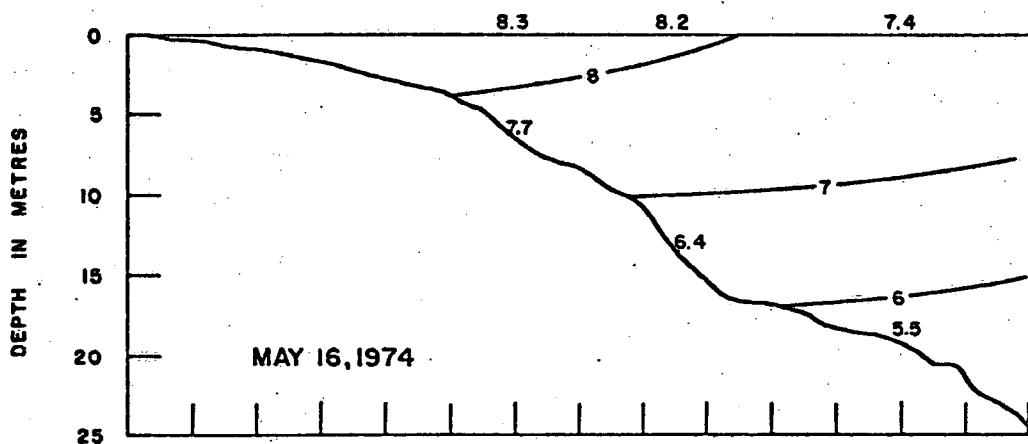
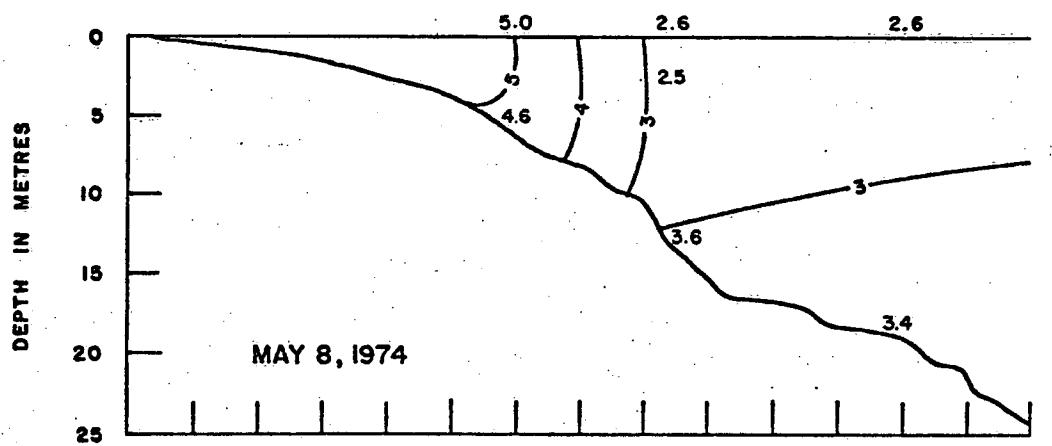
8 hours prior to survey -  
Calm to SSW 1-4 m/s  
changing to WNW 6-7



**Figure D 2**



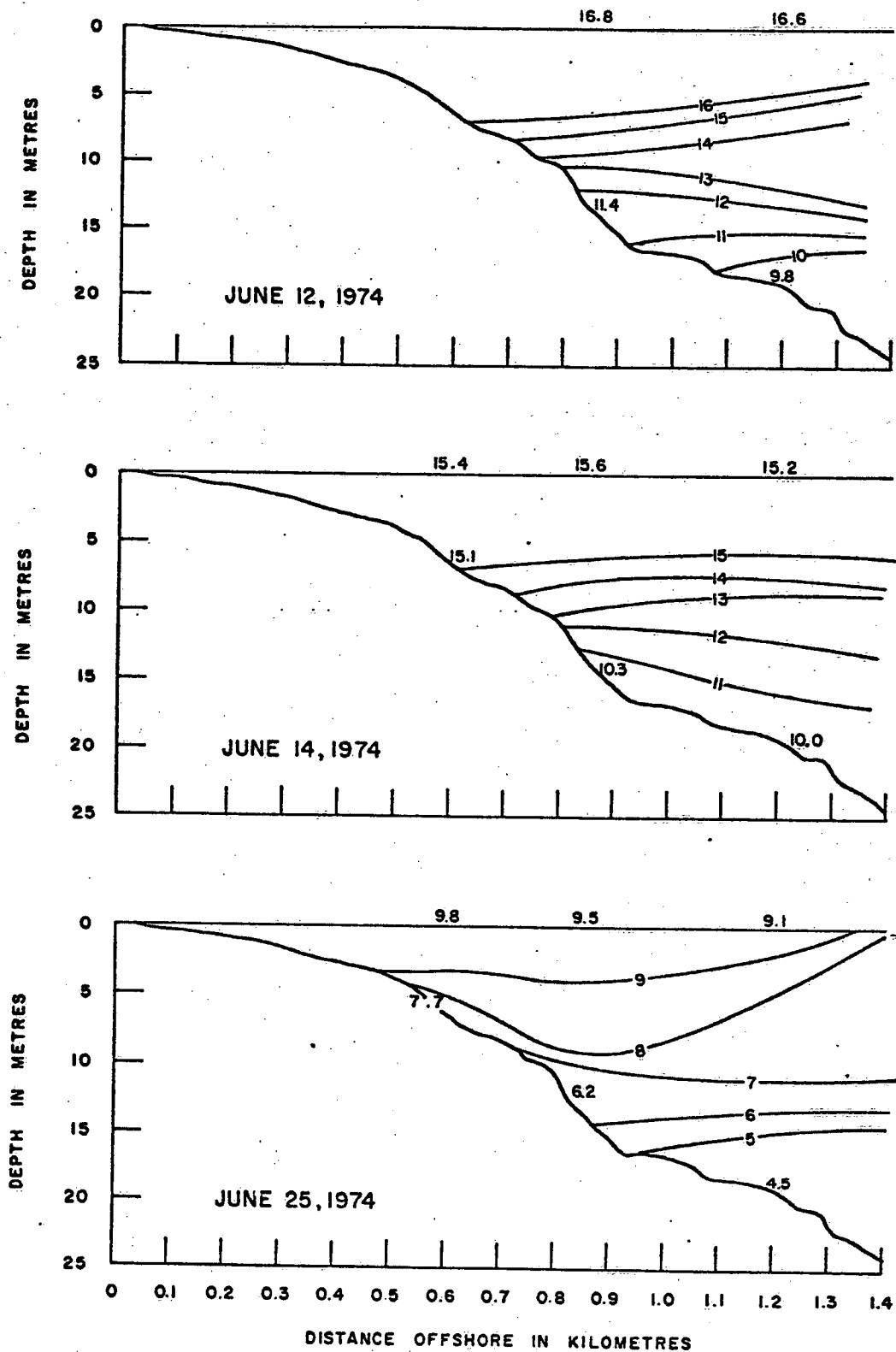
**Figure D 3**



TEMPERATURES ARE IN DEGREES CELSIUS

LAKE HURON  
BRUCE N.P.D.  
LAGOON LINE  
WATER TEMPERATURE  
CROSS-SECTIONS  
1974

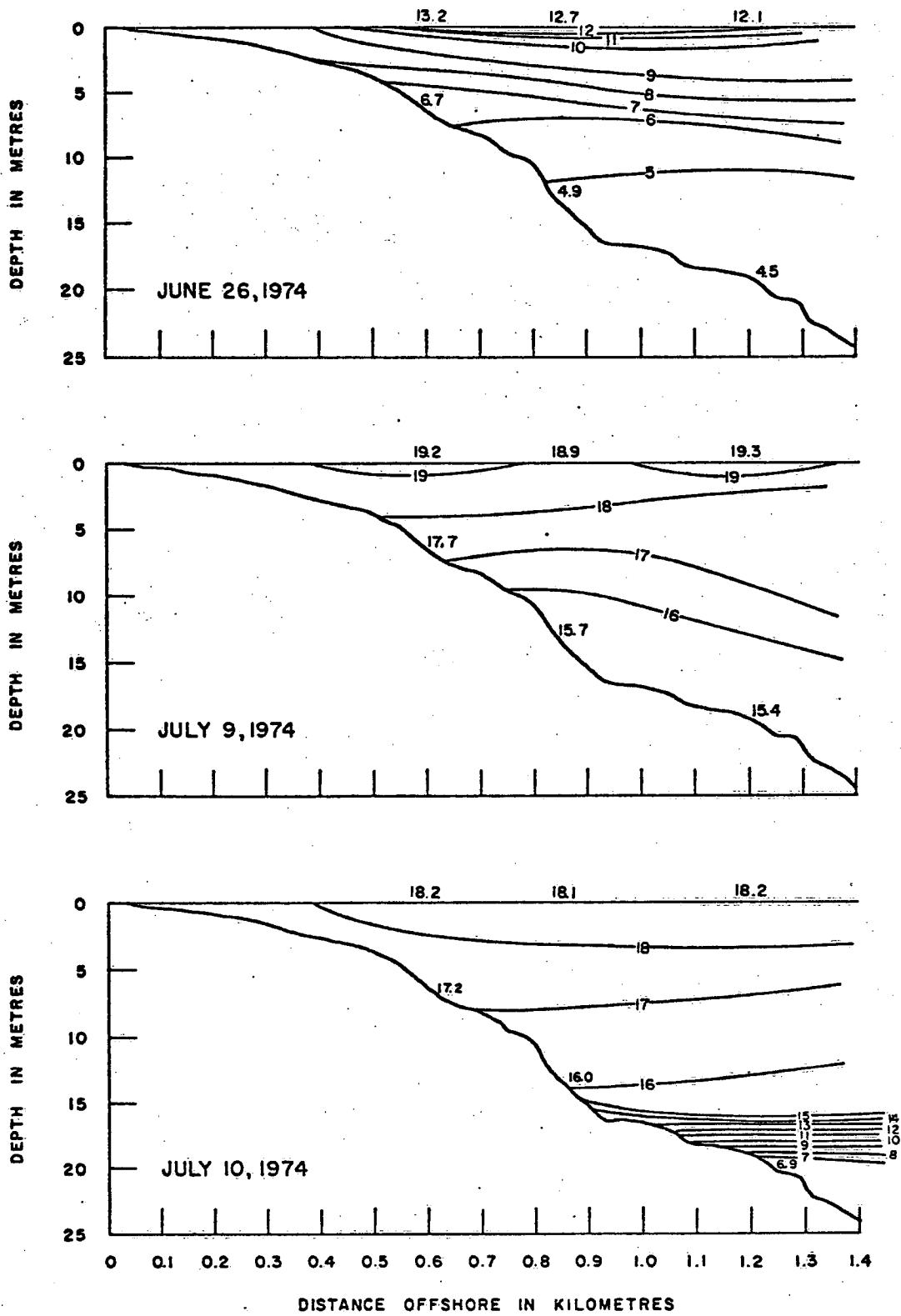
Figure D 4



TEMPERATURES ARE IN DEGREES CELSIUS

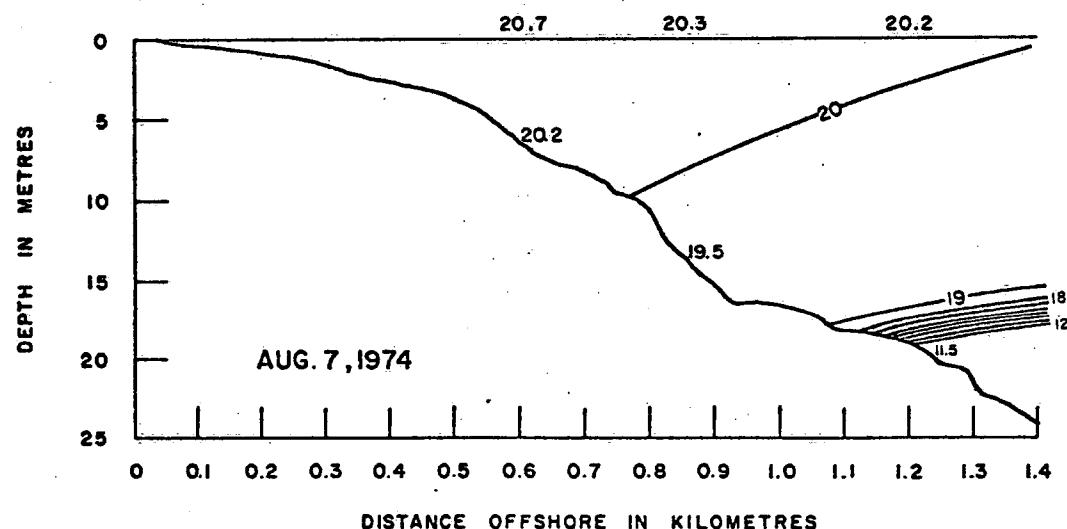
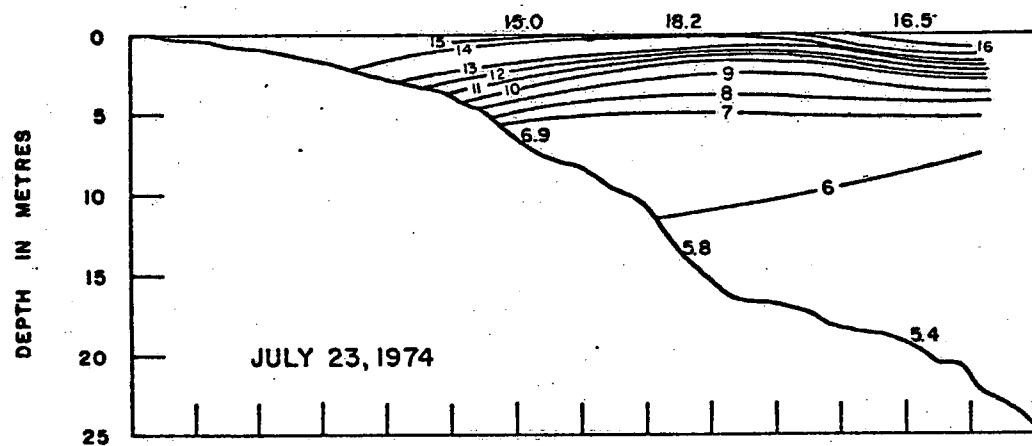
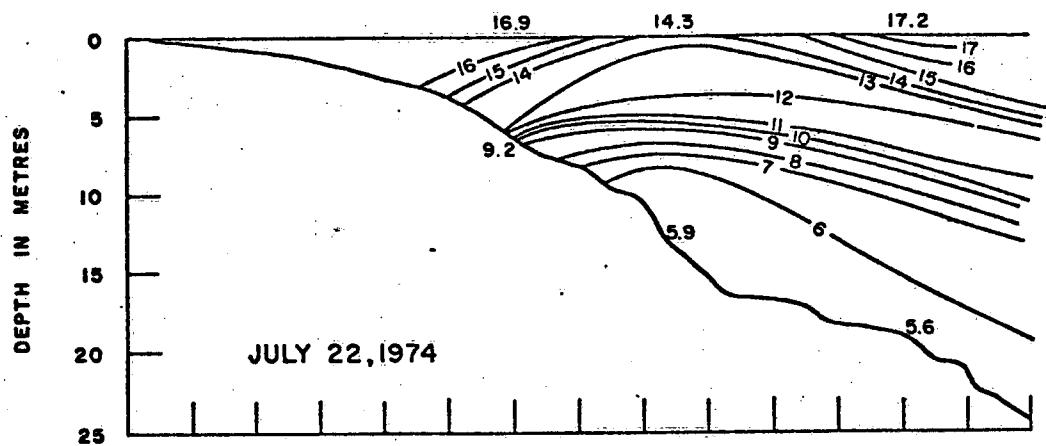
LAKE HURON  
BRUCE N.P.D.  
LAGOON LINE  
WATER TEMPERATURE  
CROSS-SECTIONS  
1974

Figure D 5.



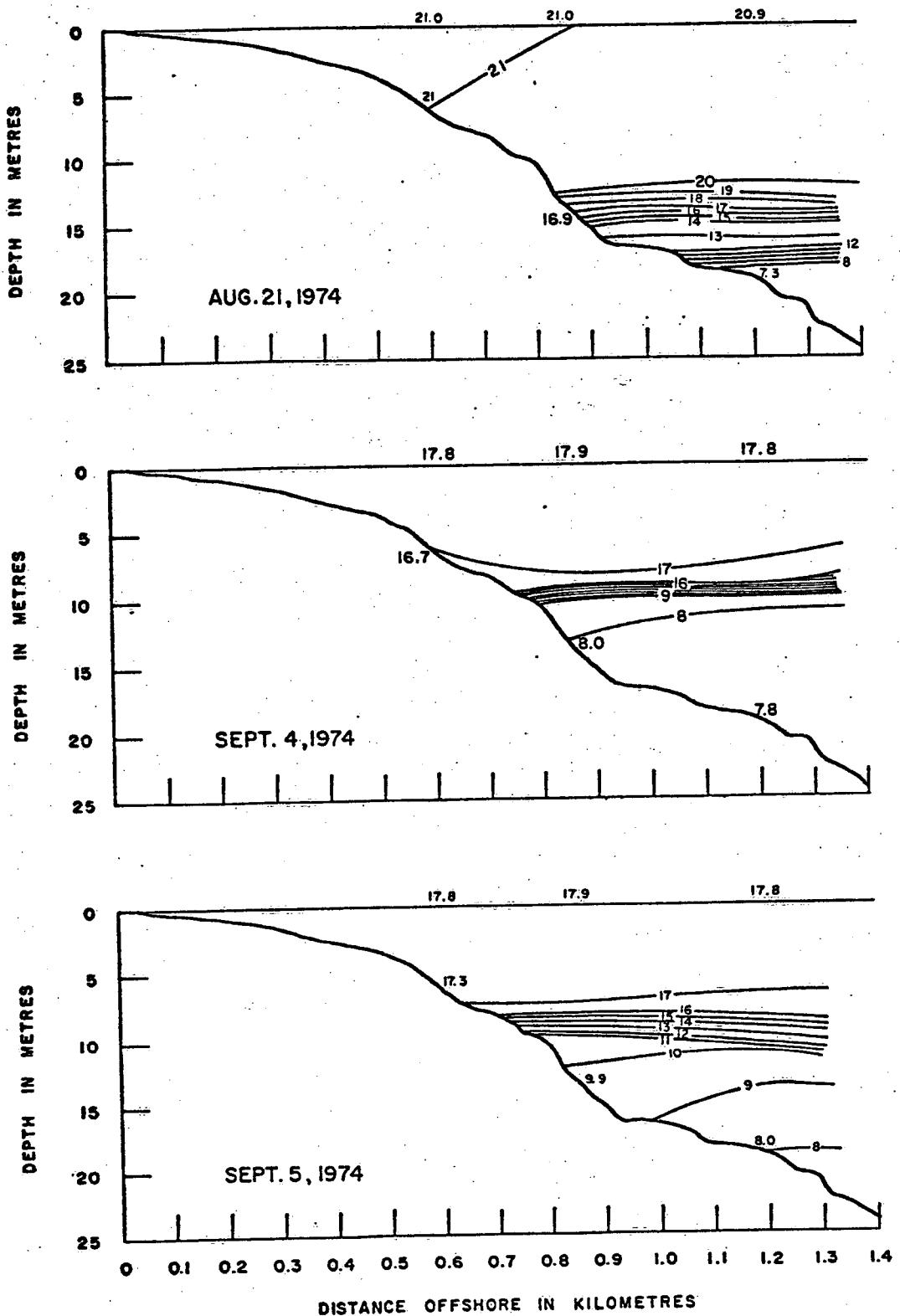
TEMPERATURES ARE IN DEGREES CELSIUS

LAKE HURON  
BRUCE N.P.D.  
LAGOON LINE  
WATER TEMPERATURE  
CROSS-SECTIONS  
1974



TEMPERATURES ARE IN DEGREES CELSIUS

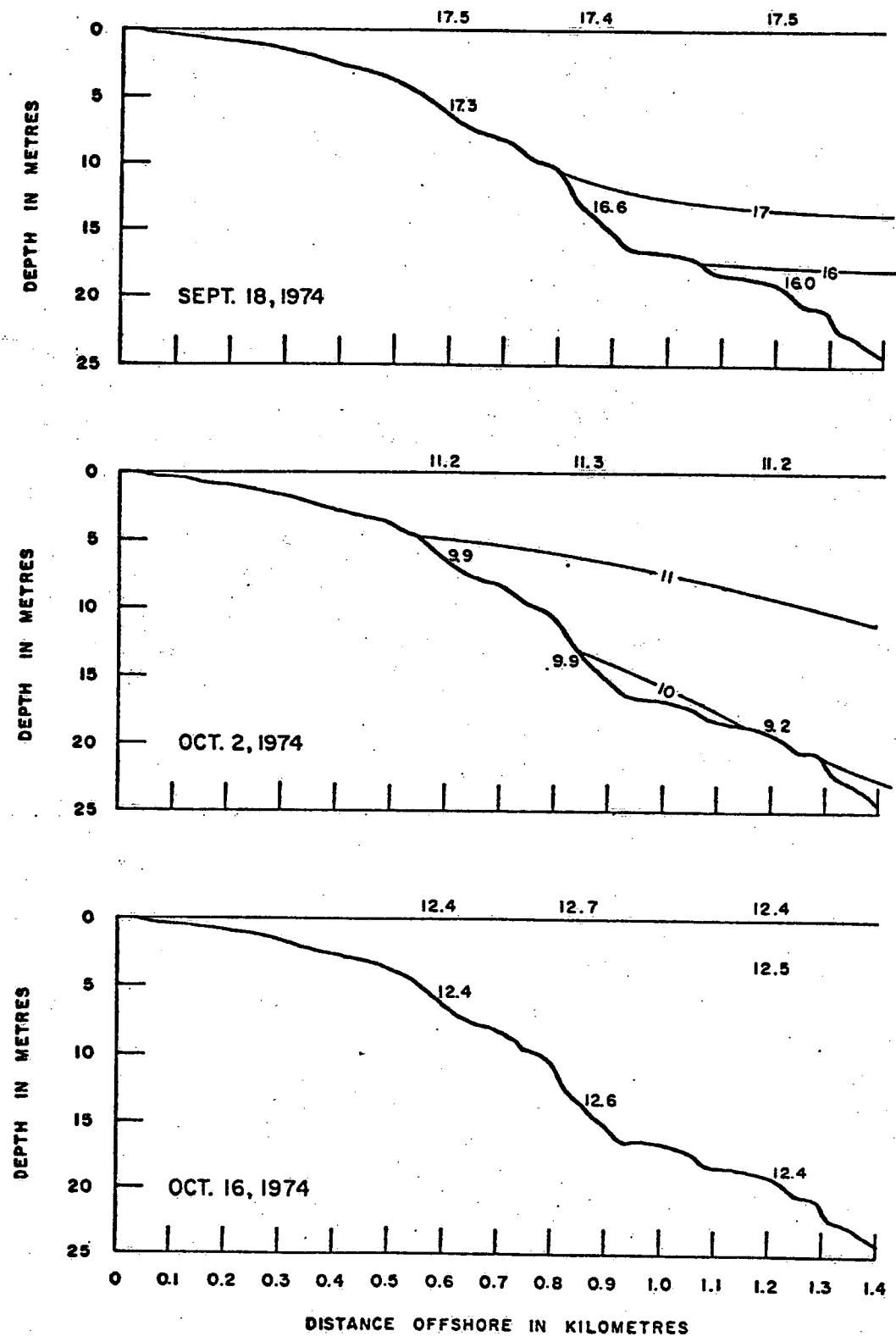
LAKE HURON  
BRUCE N.P.D.  
LAGOON LINE  
WATER TEMPERATURE  
CROSS-SECTIONS  
1974



TEMPERATURES ARE IN DEGREES CELSIUS

LAKE HURON  
BRUCE N.P.D.  
LAGOON LINE  
WATER TEMPERATURE  
CROSS-SECTIONS  
1974

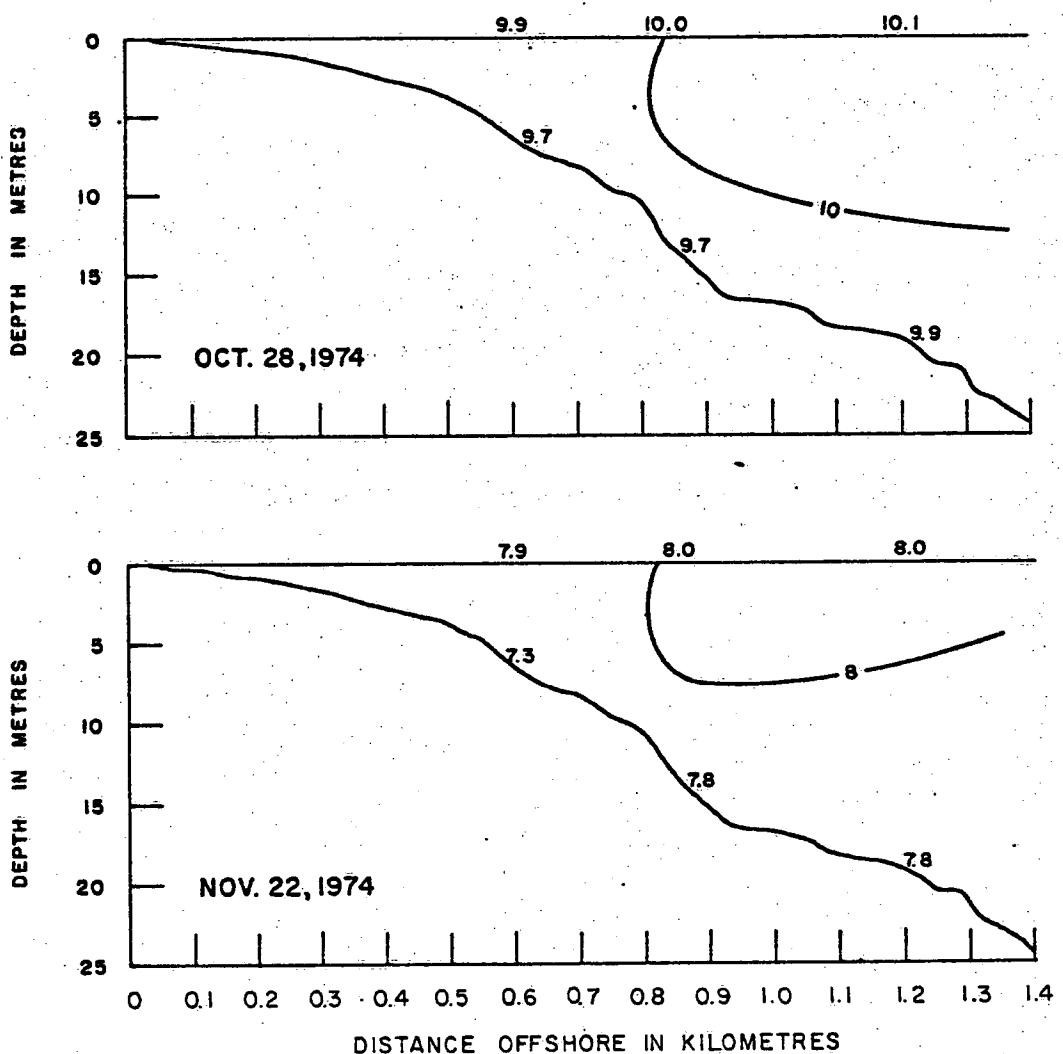
Figure D 8



TEMPERATURES ARE IN DEGREES CELSIUS

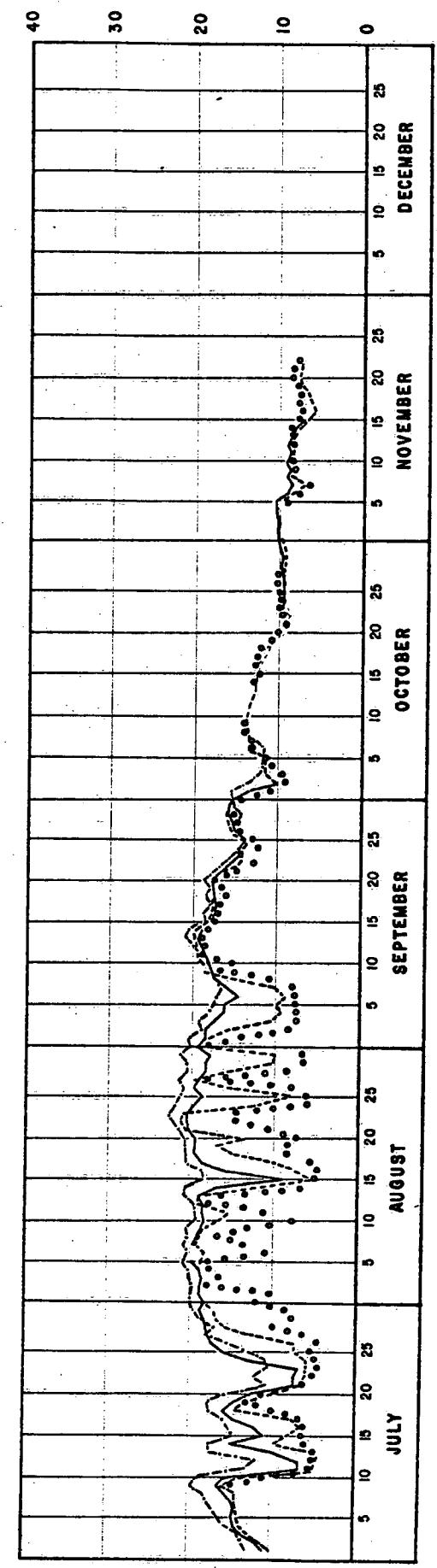
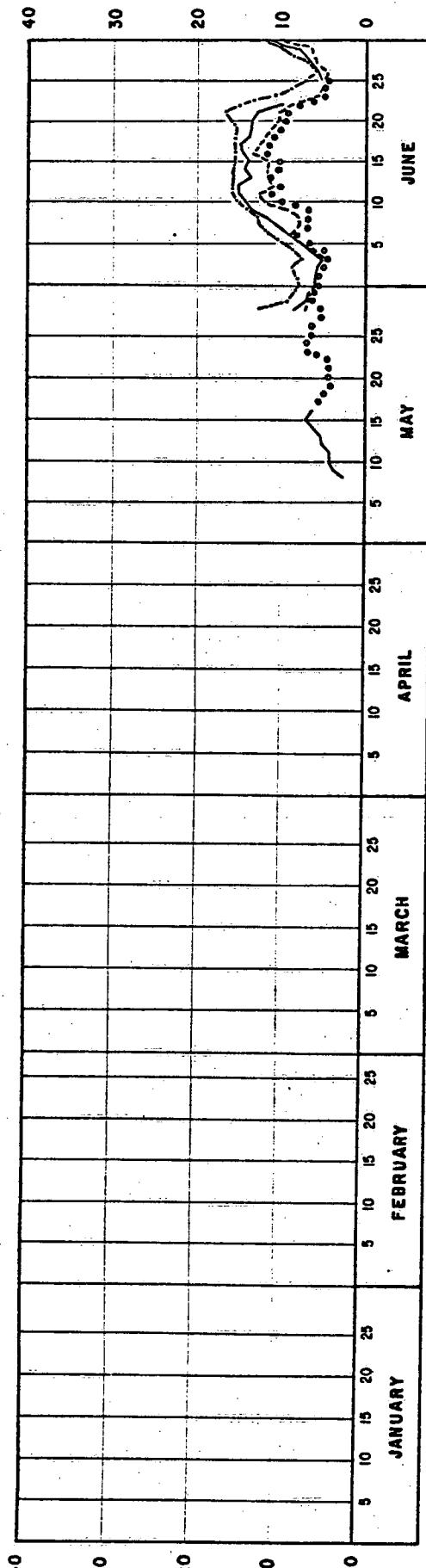
LAKE HURON  
BRUCE N.P.D.  
LAGOON LINE  
WATER TEMPERATURE  
CROSS-SECTIONS  
1974

Figure D 9



TEMPERATURES ARE IN DEGREES CELSIUS

LAKE HURON  
BRUCE N.P.D.  
LAGOON LINE  
WATER TEMPERATURE  
CROSS-SECTIONS  
1974



LAKE HURON  
BRUCE "B" SITE

**DAILY MEAN WATER TEMPERATURES  
IN DEGREES CELSIUS**

1974

**LEGEND**

- OH1 ——— 2 METRE DEPTH
- OH2 ----- 6 METRE DEPTH
- OH2 - - - - 12 METRE DEPTH
- OH3 ..... 16 METRE DEPTH

Figure D II

DAILY MEAN WATER TEMPERATURES  
IN DEGREES CELSIUS  
AT 2 METRE DEPTH  
1974

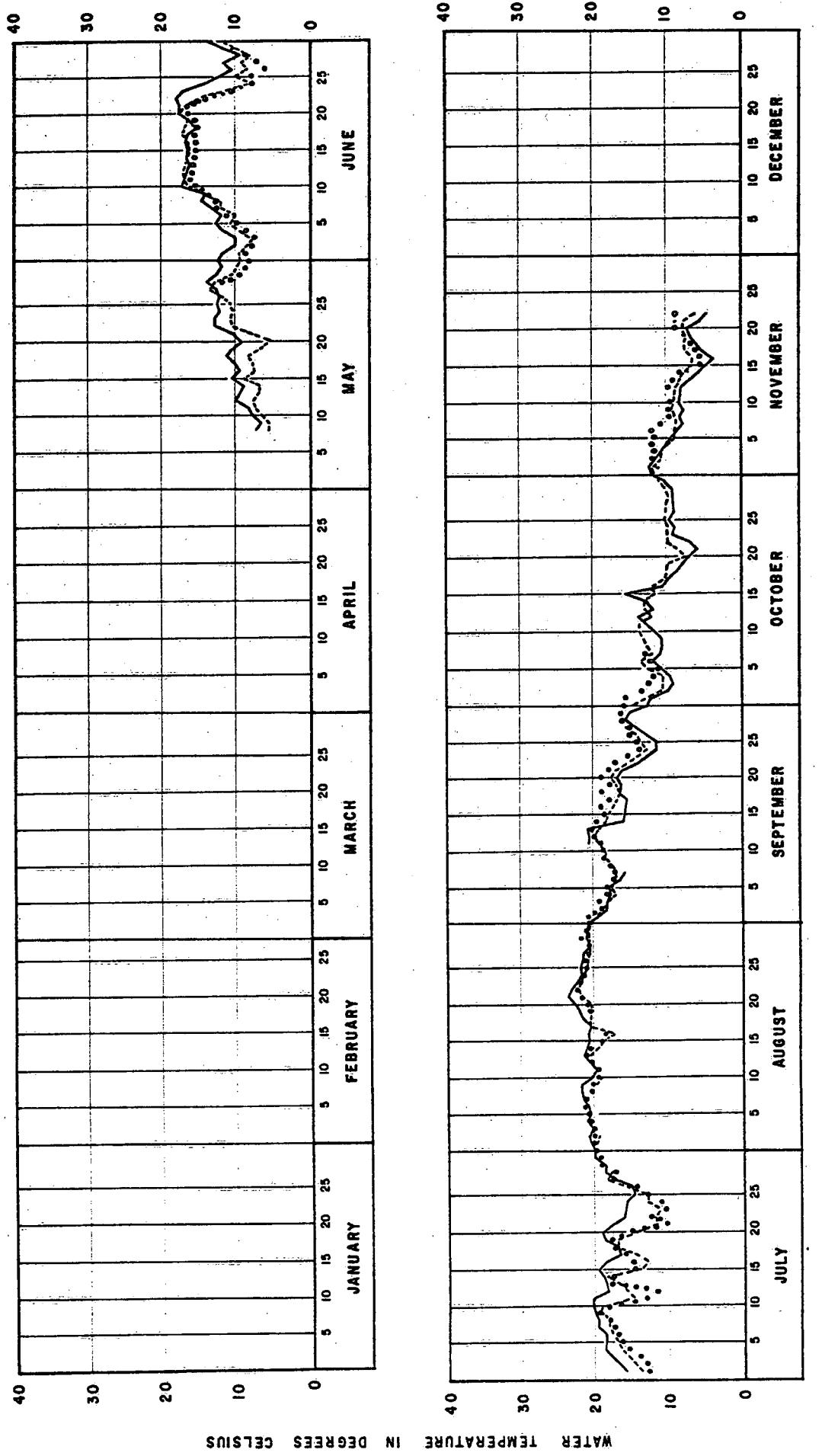
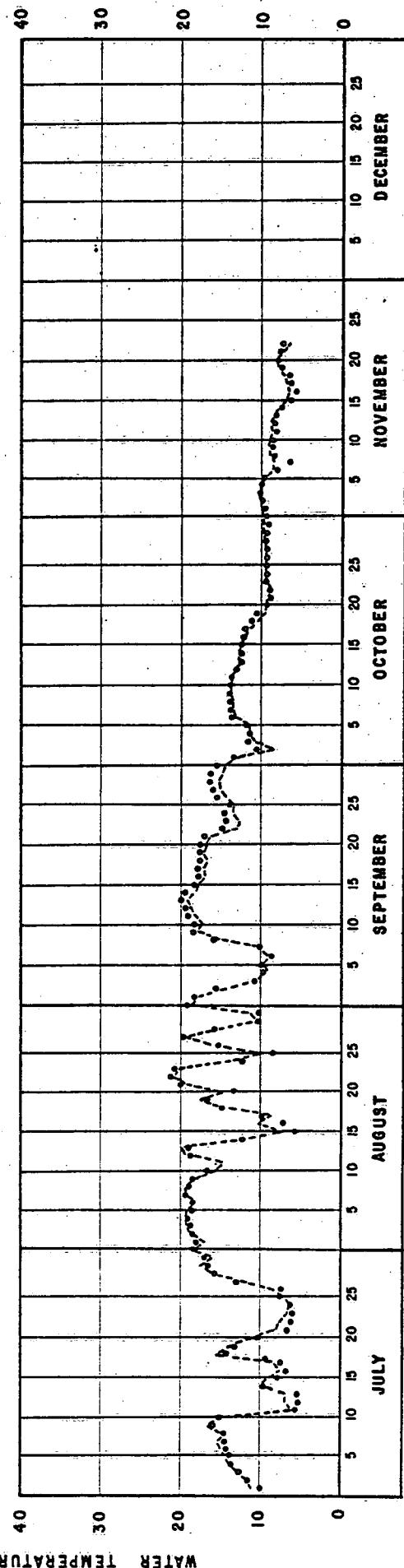
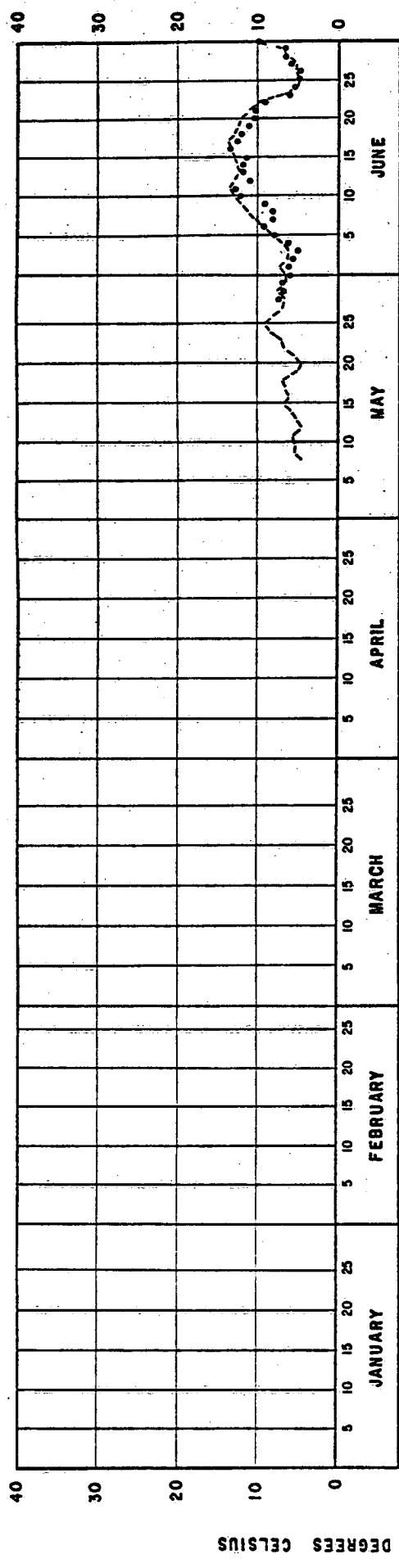


Figure D 12



LEGEND

OH6 --- 12 METRE DEPTH BRUCE "A" INTAKE LINE  
 OH2 ● ● ● 12 METRE DEPTH BRUCE "B" INTAKE LINE  
 LAKE HURON  
 BRUCE N.P.D.  
 DAILY MEAN WATER TEMPERATURES  
 IN DEGREES CELSIUS  
 AT 12 METRE DEPTH  
 1974

Figure D 13

18167