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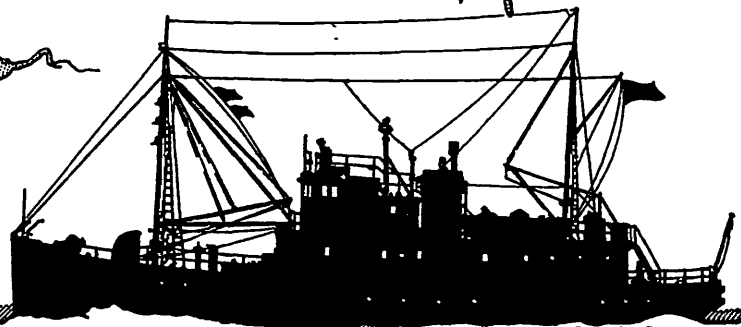
Special Report No. 65

Observations from Moored Current Meters
on the Washington Continental Shelf
from February 1971 to February 1974

by
J. Dungan Smith
Barbara Hickey
Jack Beck

Energy Research &
Development Administration
Contract E(45-1)-2225 TA 25
RLO-19

Reference M76-44
December 1976



SEATTLE, WASHINGTON 98195

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Francis A. Richards
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1. Introduction

This report summarizes current and hydrographic measurements made on the Washington continental shelf between February 1971 and February 1974. Much of the background oceanography for this area has been presented in a recent volume published for the United States Atomic Energy Commission: *The Columbia River Estuary and Adjacent Ocean Waters* (A. T. Pruter and D. L. Alverson, editors, University of Washington Press, Seattle and London, 1972. 868 pp.).

The direct current measurement program was instigated in 1967 to supplement information on continental shelf circulation being gained by hydrographic and sea-bed drifter methods and to provide the basic data necessary for calculations of the transport of dissolved material and suspended sediment. Until 1970, this program concentrated upon near bottom measurements during the winter season when the currents were highest and sediment transport was most likely to occur. Results from this early period are described by Hopkins (1971b). From 1970 to 1972 the major effort was oriented toward obtaining full vertical profiles from all seasons at one station on the central continental shelf. From 1972 to 1974, this work was expanded, with the primary effort directed toward procuring longer time series during the winter and summer and toward obtaining data from both the central shelf and the shelf edge.

The direct current measurements have been made in an area of considerable scientific importance; unfortunately this area corresponds to a

region of intense bottom trawling activity. Although the amount of equipment lost to local fishing operations sometimes has been substantial, the current measuring program has been very successful in terms of the procurement of new scientific results.

2. The Field Program

Four major experiments have been accomplished during the period covered by this report. The purpose of the first (in 1971) was to obtain full vertical profiles from all seasons at one station on the central shelf. The second, a joint endeavor with the Pacific Oceanographic Laboratory (POL) of the National Oceanographic and Atmospheric Administration (NOAA), was successfully completed in September 1972, and provides a comprehensive two-month record of temperature, current and density structure over the Washington continental shelf and slope concurrent with similar observations made by the Coastal Upwelling Experiment (CUE) over the Oregon shelf. This joint endeavor represents the most comprehensive coastal circulation experiment successfully carried out by any group to date and the results have proven to be a major step forward in our understanding of continental shelf processes. A paper by Hickey and Smith (in preparation) describes the current and density data on the Washington shelf and slope. Huyer *et al.* (1975) illustrate the remarkable low frequency coherence between currents on the Washington and Oregon shelves over distances as great as 200 km.

The purpose of the third experiment (in 1973) was to study the current and density structure during the winter and spring season over the Washington continental shelf. Since the winter of 1973 was atypical of other years from a meteorological point of view, a fourth experiment was designed for the winter of 1974 to permit a comparison of long term

current measurements between a typical and an atypical year.

The primary field work consisted of deployment and retrieval of current meter moorings at mid- and outer-shelf locations which will herein be referred to as the inshore ($46^{\circ} 25'N$, $124^{\circ} 20'W$) and offshore ($46^{\circ} 50'N$, $124^{\circ} 50'W$)* sites (Figure A-1)**. These sites were both marked by U.S. Coast Guard lighted sea buoys to protect the current meter moorings from the intensive trawling in the area. Moorings were set just beyond the maximum travel boundary of the sea buoy. An additional mooring was maintained from February 7 to March 21, 1973 at an unmarked site ($46^{\circ} 50'N$, $124^{\circ} 25'W$) to provide information on the alongshore versus cross-shore spatial variability of the currents. This mooring is referred to as the "Westport" mooring. Another facet of the field program was maintenance of an anemometer and vane near the beach at Westport, Washington about 30 miles from the current measurement sites. Wind observations made at six-hour intervals by the Coast Guard personnel aboard the Columbia River lightship were also routinely acquired.

All subsections of each current meter mooring were precut and assembled prior to leaving port. Although the majority of deployments were made from fishing vessels based in Astoria, Oregon, the NOAA vessel *Oceanographer* deployed and retrieved the moorings during Autumn 1971 (October 16 - November 15) and summer 1972 (July 18 - August 24).

*The location of the January 5-29, 1972 offshore mooring was $46^{\circ} 52'N$, $124^{\circ} 43'W$ due to storm-induced movement of the Coast Guard buoy.

**All figures appearing in the appendix are referenced within the text according to their page number in the appendix.

The method of deployment was to first string out the mooring on the sea surface with the anchor secured to the ship; next the anchor was lowered to a depth just below the sea surface; finally the anchor was allowed to fall freely to the bottom. Use of wind and current to naturally displace the buoys from the ship proved more satisfactory than did steaming slowly away from them.

The charts (Figures A-2, A-3) which summarize the data available for each year can also be viewed as a presentation of the degree of success of the field program. The deployment and retrieval dates for the various moorings are indicated along with the length of the useable data record for each meter. Meters which returned no useable velocity data are not shown. With the exceptions of the January 1972 inshore mooring (seven meters) and the Westport mooring (two meters), each mooring contained six current meters. A total of nine meters were lost at sea during the four year period. The offshore mooring deployed on March 21, 1973 with six Aanderaa meters was lost due to a malfunction in the acoustic release. Only the bottom three of the six meters deployed at the inshore site on November 19, 1973 were recovered. The wire apparently had been cut after becoming entangled in fishing gear. The upper three meters of the inshore mooring deployed on February 7, 1973 also broke loose but fortunately were washed ashore and recovered with the data records intact.

3. Instrumentation

Current velocities were measured with Aanderaa RCM-4 and Braincon type 381 current meters. As shown on the charts (Figures A-2, A-3), the initial arrays consisted entirely of Braincon meters. These were phased out as rapidly as Aanderaa meters became available. The Aanderaa meters are more reliable, capable of longer periods of operation, and produce data records which are more computer compatible. The Braincon meter is described in detail by the manufacturer (Braincon, 1968). The Aanderaa RCM-4 meter has evolved from a meter developed under the NATO Fixed Buoys Project (Aanderaa, 1964). Although the manufacturer provides only a series of data sheets and technical notes on the current model (e.g., Aanderaa, 1973), NOAA (1972) has prepared an operating manual which contains a complete description of the meter.

The Braincon meter records speed and direction on 16 mm film. The Aanderaa meter samples speed and direction via an electro-mechanical encoder and converts measurements to binary digital signals. The latter are recorded on 1/4-inch magnetic tape. In both Braincon and Aanderaa meters speed is sensed by a Savonius rotor and is integrated over the sampling interval. The direction signal of the Aanderaa meter represents the vane position at one instant during the sampling interval. The direction signal of the Braincon meter, on the other hand, is a measurement between the mean vane position and most frequent vane position during the sampling interval (Hopkins, 1971b). The Aanderaa vane assembly contains a gimbaled spindle which allows the meter to remain vertical

while the mooring tilts as much as 30° from the vertical. Although the Braincon meter has no gimbaled spindle, it does contain a tilt sensor. Tilt corrections were applied to the Braincon data but were usually negligible (tilt was usually less than 5° and rarely greater than 10°). All of the Aanderaa meters recorded temperature. In addition, some of the meters were equipped with the optional pressure and/or conductivity sensors available from the manufacturer.

Selected Aanderaa meters were calibrated at the Division Hydraulic Laboratory of the U.S. Army Corps of Engineers, Bonneville, Oregon. Results among the tested meters were consistent with a linear fit obtained by Oregon State University on a group of the same model Aanderaa meters. Manufacturer's calibration curves which had previously been checked at the same facility (Hopkins, 1971b) were used for the Braincon meters.

Measurements of the coastal winds were made with a Mechanical Weather Station model 1071 manufactured by Meteorology Research Incorporated. This self-contained unit continuously records wind speed and direction on a strip chart recorder. The instrument is described in detail by the manufacturer (MRI, 1971).

4. Mooring Design

A single string, taut wire, completely submerged mooring system was used for all current meter deployments (Figure 1). Each mooring contained the following components:

- (a) Buoys: Navy surplus, steel submarine net floats of 28" diameter with 330 lb. positive buoyancy. Each buoy is tested to a depth of 200 m prior to use.
- (b) Wire Rope: Torque-balanced 3 x 19 x 1/4" with polypropylene covering and filling between strands. The outside diameter of the covering is 5/16". The various lengths of wire rope are terminated in either a plastic thimble or a round plastic end-piece that is a part of the spindle arrangement on the Aanderaa current meters. Nicopress fittings are used for the terminations and all cut ends are sealed with a silicon gel.
- (c) Acoustic Release: Ocean Research Equipment model 210B
- (d) Anchor: Three cast iron railroad wheels. To fasten the wheels together a steel pipe of outside diameter 7 inches is inserted through the wheel centers. A 1-1/2-inch stainless steel rod is passed horizontally through a hole in the pipe (on the underside of the anchor), and through one link of the anchor chain which lies inside the pipe. This stainless steel rod is welded to the bottom wheel. Steel flanges are welded to the top wheel and pipe.

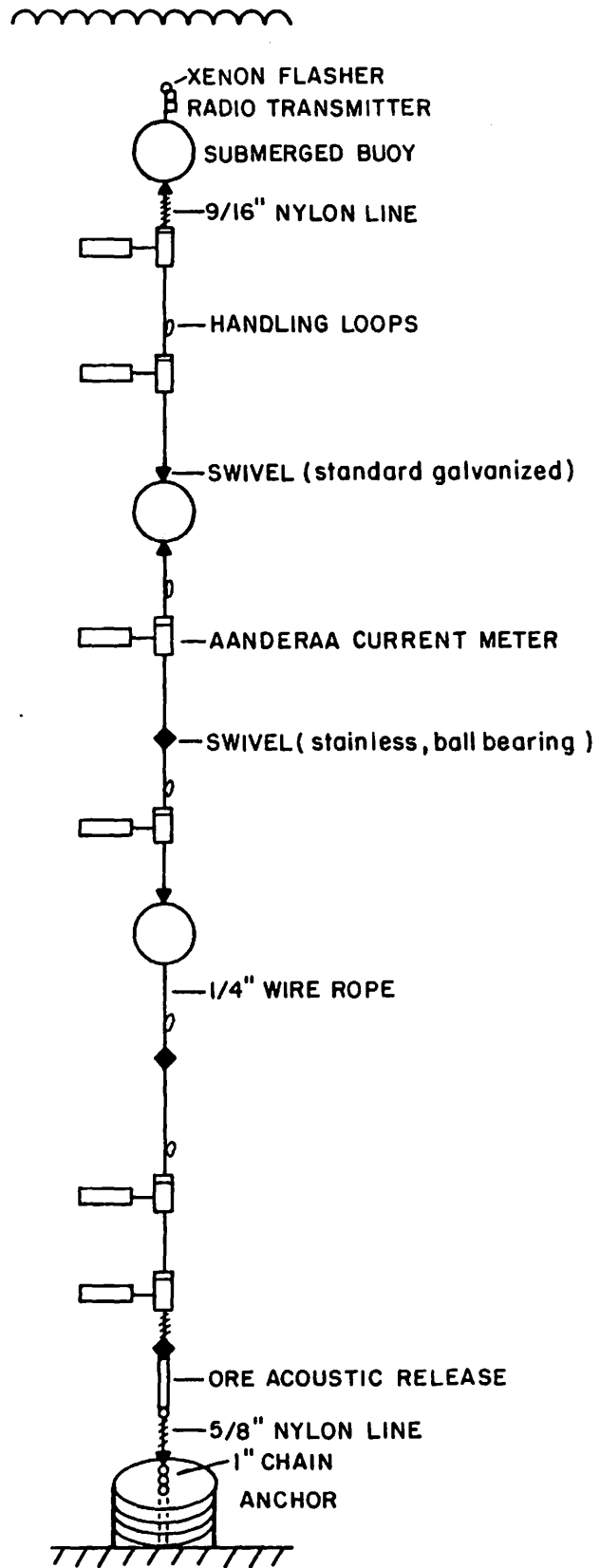


Figure 1. Standard Mooring Configuration

- (e) Nylon Line: One meter lengths of nylon line are used to isolate the acoustic release from some of the mooring vibrations and to prevent the sharp bends which could occur in such short lengths of wire rope.
- (f) Swivels: Two types of swivels are used: regular 5/8" galvanized swivels and stainless steel swivels with ball bearings. The stainless swivels operate freely under tension. One of these is positioned immediately above the acoustic release to relieve the torque which may be generated while streaming the mooring during deployment.
- (g) Transmitter: Ocean Applied Research 100 MW submersible transmitter with pressure activated switch. This is used in conjunction with a RDF receiver to assist in locating the mooring upon retrieval. The transmitter is especially valuable in conditions of poor visibility or rough sea.
- (h) Xenon Flasher: The flasher is activated via a pressure switch and photocell and is used to locate the mooring during retrieval.
- (i) Handling Loops: Wire rope fastened via nicopress fittings. The loops are used primarily as attachment points for hauling the mooring aboard ship during retrieval.

The entire mooring has a net negative buoyancy of from 850 to 1050 lbs. The variable factor in the buoyancy is due to variability in the weight of individual railroad wheels. After the acoustic release is fired, the mooring has a net positive buoyancy of 680 lbs, and will rise

to the surface where it can be retrieved. If the mooring is cut anywhere above the lowest buoy, the remaining meters and acoustic release have a net positive buoyancy and can still be retrieved.

5. Data Processing System

The flow chart in Figure 2 presents an overview of the processing system that was developed to aid in the analysis of the data. A separate report is being prepared that will include a listing and description of each computer program in the system. The major steps in processing data from the current meter and wind sensors are described below to aid the reader in interpreting the data presentation in the appendix of this report.

Aanderaa data (IBM 1130). The original data record from the RCM-4 consists of a 1/4-inch magnetic tape containing a ten-bit binary word for each measurement of speed, direction, temperature, pressure, and conductivity. Since this tape cannot be read directly by a computer, it is translated via an Aanderaa Tape Reader model 2103 to an 8-channel punched paper tape which is then read into the IBM 1130 available within the Oceanography Department. The program which reads the paper tape also converts the binary words to physical units via calibration equations, stores these values on disks and produces a dated listing of this raw data file. Corrections to the raw data file that result from manual checks of the listing and plots of the variables are made with the edit program which allows corrected values to replace the error values on the disk via keyboard entry on the IBM 1130. After correction, the file is referred to as the edited raw file. This file is then used as input to the histogram program to produce both speed and direction histograms.

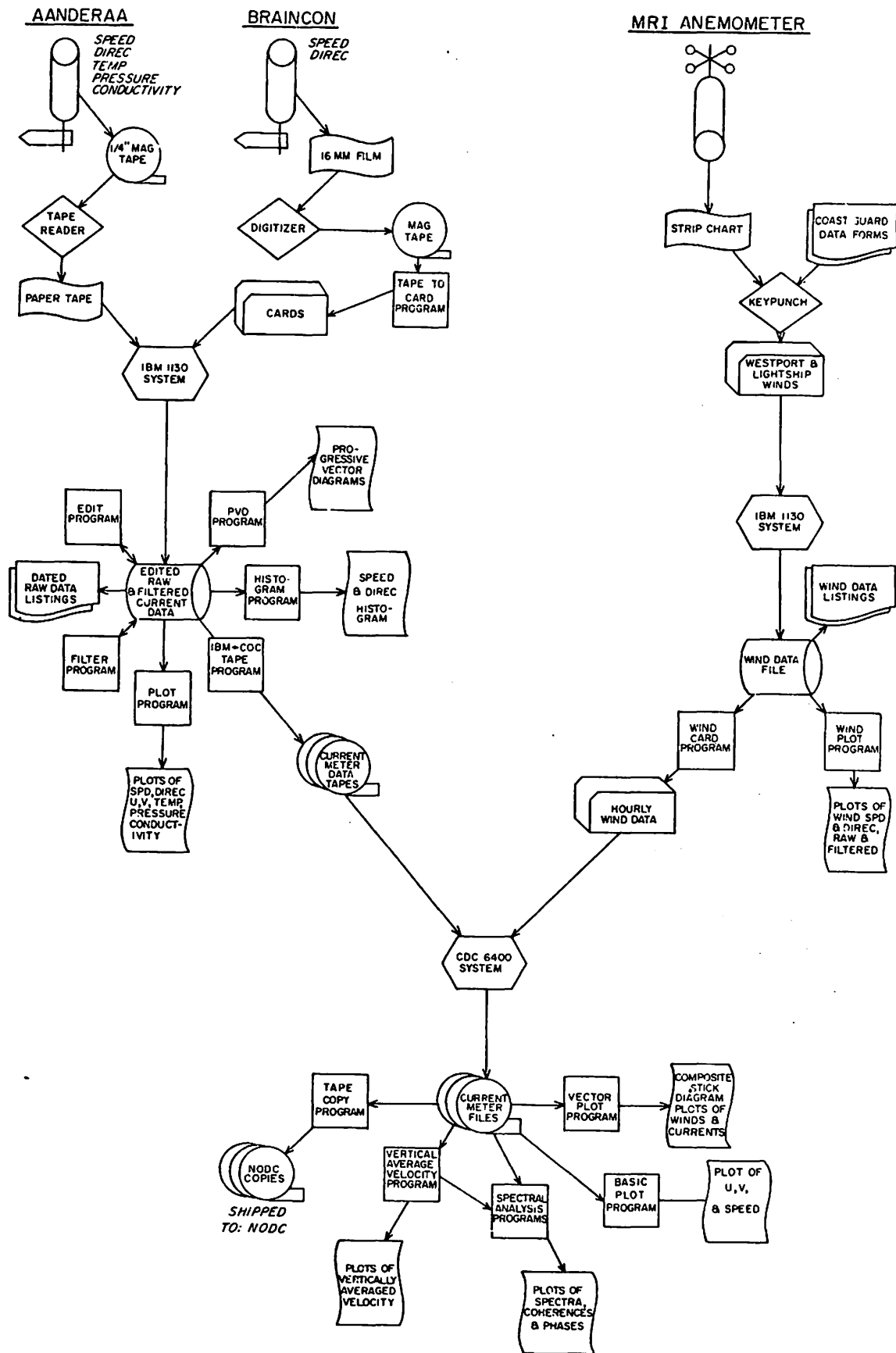


Figure 2. Flow Chart of Data Analysis System

The instantaneous nature of the direction measurement results in a noisy direction signal as compared to the integrated speed measurement. In order to reduce the contamination of the velocity signal by the direction noise, raw directions are smoothed independently via an option in the filter program which averages sines and cosines of a given number of direction values. An equally weighted 9-point filter is used in the filter program for the ten-minute sampling rate used on all the Aanderaa meters. This filter corresponds to a time interval of 90 minutes. A 9-point binomial filter is applied to the raw speeds. The separately filtered speeds and directions are then combined for calculation of U (east-west) and V (north-south) components of velocity and are placed on the output record of the filter program. This output file, referred to as FILTER-A, is then used as input to the PVD program to produce the progressive vector diagrams presented in Figures A-110 through A-128. Additional filtering of the velocity data is available via an option in the filter program which applies an n -point running mean to the U and V components of the FILTER-A file and produces a FILTER-B file.

The plot program on the 1130 accepts as input the raw data file, or either the FILTER-A or FILTER-B output file from the filter program, and produces plots of any selected variable versus time. These plots are used to check the quality of the data and to provide an initial look at experimental results.

The IBM to CDC tape program combines the speed, direction, U and V records that are output onto the FILTER-A file with the unfiltered

temperature, pressure, and conductivity measurements from the edited raw file and produces a seven-track tape in a format which can be read on the more powerful CDC 6400 computer at the main computer center. The output file of the tape program is referred to as the basic data file.

Braincon data (IBM 1130). The original 16 mm data films from the Braincon meters are developed commercially and digitized onto magnetic tape using a Benson-Lehner digital recording system with a 15X magnification. Digitization involves recording onto magnetic tape the Cartesian coordinates of the six points exposed per frame (center dot, tilt, direction, beginning of speed arc, end of speed arc, and reference). The tape to card programs convert the Cartesian coordinates of the film information to velocity in both Cartesian and Polar form, correct for tilt and magnetic variation, and apply calibration factors. The resulting card deck contains one card for each velocity observation and also includes the date and time of the observation and identification information. The listing produced with the card deck indicates those observations for which a point was digitized outside of preset limits. The corrected card deck is then read onto the IBM 1130 disk to produce a file having the same format as the edited raw file of the Aanderaa data. From this point on, the Braincon records are processed the same as the Aanderaa records with the following exceptions: whereas all of the Aanderaa records had a sampling interval of ten minutes, certain of the Braincon records as indicated on Figure A-2 had a twenty minute sampling interval. For these records a five-point filter instead of a nine-point filter was

applied separately to the speed and direction values. In the case of Braincon records, the IBM to CDC tape program merely reformats the FILTER-A file to produce the basic data file since there are no temperature, pressure, and/or conductivity data on the edited raw file.

CDC 6400 processing. All further processing of the current meter data is done on the CDC 6400. Each file on the seven-track magnetic tape produced by the IBM to CDC tape program consists of the data records from a single current meter during one deployment. Each record contains date, time, speed, direction, U (east-west)-component, V (north-south)-component, and, for Aanderaa records—temperature, pressure, and conductivity, if available. The first record of each file is an identification record which includes the meter number, latitude, longitude, depth, and sampling interval. The files are organized on the master tapes such that the data from each mooring is in order of increasing depth. The basic data plot program produces the plots of U , V , and speed shown on Figures A-12 to A-108 of the Appendix.

The vector plot program is used to produce a graphical presentation of the current regime at the array site during a deployment. An n -point running mean filter is applied to the U and V components of the basic data file for every meter in the array and to the hourly wind file. Every m th point of the filtered data is then presented as a vector on a composite plot and is also listed in both Cartesian and Polar form. For the composite plots presented with associated data points on pages A-130 to A-263, a 24-hour running mean filter was used in order to reduce tidal and inertial

motions. A filtered point was plotted every eight hours.

To investigate the horizontal transport through the water column, the vertical average velocity program multiplies the speed components on the basic data file of each meter in a mooring by a factor equal to the proportion of the water depth represented by that meter and sums these products for every ΔT (usually 10 minutes). An n -point running mean is then applied to these vertically averaged U and V components and both the speed components and velocity vectors are plotted at selected intervals. For the plots of vertically averaged velocities appearing with associated data points on pages A-266 to A-297, a 24-hour running mean was applied. The U and V data points were plotted every 2 hours whereas vectors were plotted every 8 hours. The program can also be used to calculate vertically averaged velocities over any selected subrange of the total water depth.

The package of spectral analysis programs uses either the U and V components from the basic data files of individual meters or the output of the vertical average velocity program before the running mean filter has been applied. Thus all of the spectra are computed from a series of values having a ΔT of 10 minutes (with the exception of certain Braincon meters which had a ΔT of 20 minutes). A fast Fourier transform algorithm is used to compute the spectra after removing the mean. The raw spectral estimates are smoothed with a 5-point boxcar filter prior to plotting. The resulting spectra are displayed both as amplitude squared versus frequency using log-log scales and amplitude squared times frequency versus frequency using linear-log scales. This second type

plot shows more clearly the energy contribution of any frequency band since the area included in any frequency band equals the variance in that band. The spectra for selected meters and for the vertically averaged velocities are shown on pages A-299 through A-337 in the Appendix.

The spectral analysis program package also calculates the coherence and phase spectrum for the speed components of any pair of current meters or for the vertically averaged speed components of the inshore and offshore moorings. For these calculations the two input data series must be aligned in time (within one ΔT) before applying the fast Fourier transform. The following coherency estimate is made:

$$\tau = \frac{(1/n) \sum_{j=i}^n \left[(a_j c_j + b_j d_j) + i(b_j c_j - a_j d_j) \right]}{\left[(1/n) \sum_{j=i}^n (a_j^2 + b_j^2) \right]^{1/2} \left[(1/n) \sum_{j=i}^n (c_j^2 + d_j^2) \right]^{1/2}}$$

where a_j , b_j , and c_j , d_j are the Fourier coefficients of the two series. For the coherence and phase plots shown in the Appendix the raw estimates were smoothed by applying a 5-point boxcar filter (i.e. $n = 5$ in the above example).

Wind data. The data record from the MRI anemometer is a strip chart of pressure sensitive paper containing continuous traces of wind speed (run) and direction. This record is manually digitized by reading the wind run between chart markings with a nominal interval of an hour and visually averaging the direction trace to select an average direction for that interval. The instantaneous wind measurements taken at the Columbia

River lightship every six hours by Coast Guard personnel are available as copies of the original log sheets. Data from these two sources are keypunched to form card decks having the same format for input to the IBM 1130. The data on the card decks are read onto the 1130 disk and a dated listing of wind speed, direction, U and V components is generated. The time interval of the MRI data points is calculated from the known start and stop times of the chart paper and the total number of samples.

Plots of the wind data as speed and direction versus time or as vectors are produced by the wind plot program from the wind data file. The program also has the option of applying a n -point running mean filter to the U and V components prior to plotting.

The wind card program is used to produce a card deck containing wind data at exactly hourly intervals. This is accomplished by linear interpolation of the U and V components on the 1130 wind data file. Each output card contains 8 pairs of speed and direction together with the date and hour of the first pair of data points on that card and identification of the data source. This deck is used as the input medium to the CDC 6400 system. All of the CDC 6400 programs discussed previously will accept the wind data in this format.

6. Discussion

Due to the extreme variability in natural fluid mechanical systems such as the oceans and the atmosphere, records must be collected over a substantial length of time if the specific causes of such motions are to be elucidated and the systems properly understood. Since 1967 we have been making current meter measurements of the flow over the Washington continental shelf; yet, only now are we beginning to get a glimpse of the complex mechanisms causing the current patterns that we find. Considered as a whole, the data collected to date and presented in the Appendix clearly demonstrate the futility of drawing conclusions from records of less than a month's duration and the desirability of procuring at least some records over a period in excess of three months. More specifically, the data permit a unique comparison of hydrography, wind and current between winter and summer seasons as well as afford some comparisons between currents on the Oregon and Washington shelves.

The data set comprises approximately 400 mooring days, half in summer and half in winter, with five or six current meters on each mooring, as well as simultaneous measurements of wind speed and direction, and hydrographic sections taken upon mooring placement and retrieval. "Summer" is defined here as those months during which upwelling usually occurs (April-September, inclusive), and "winter" is defined as the remaining months (October-March, inclusive).

The mooring that was usually deployed in 80 m of water will be referred to in the subsequent text as the "inner" mooring, and that which was usually deployed in about 165 m of water will be referred to as the "outer" mooring (see Figure A-1). Note that the figures use "inshore" and "offshore" instead of "inner" and "outer." For historical reasons, the mooring on the outer shelf was situated about 45 km north of that on the inner shelf. During February-March of 1973, a third mooring (Westport) was set at the same latitude as the

outer mooring, but at the same longitude as the inner mooring. Results indicated that the between meter coherence is much higher alongshore than cross-shore. Hence, in the ensuing discussion of data from the two main moorings, alongshore variations will be neglected.

Although the vector components presented in the appendix are given relative to north, all observations obtained to date show that vertically averaged velocities have long-term mean directions very nearly parallel to the local isobaths. The angular difference between true north and the isobath direction is about 13° at the inner mooring and about 30° at the outer mooring. Henceforth "cross-shore", "alongshore", "onshore" and "offshore" will refer to directions perpendicular to the local isobaths and not to the coastline. It should be noted that the differing direction of local isobaths causes a weak three-dimensional circulation.

The mean wind field over the Washington shelf is determined by the relative positions of highs and lows in the distribution of surface atmospheric pressure. In general, the Subtropical High dominates the North Pacific during the summer season and northerly winds are generated over the Washington shelf. During the winter, the Subtropical High moves southward and a series of lows move eastward over the North Pacific. Southerly winds are generated over the Washington shelf. Although the mean winds (over a period of about one month) are northerly in the summer and southerly in the winter, wind "events" with an opposite direction to that of the mean for that season, are commonplace.

The major hydrographic features in the Subarctic Pacific consist of a surface mixed layer, a seasonal pycnocline (due to the seasonal thermocline) and a deeper, permanent pycnocline (due to the permanent halocline). However, near surface density features off Washington and Oregon are substantially modified by the effect of the Columbia River plume. Figure 3 illustrates the effect of the Columbia River on surface salinity off the shelf and slope along

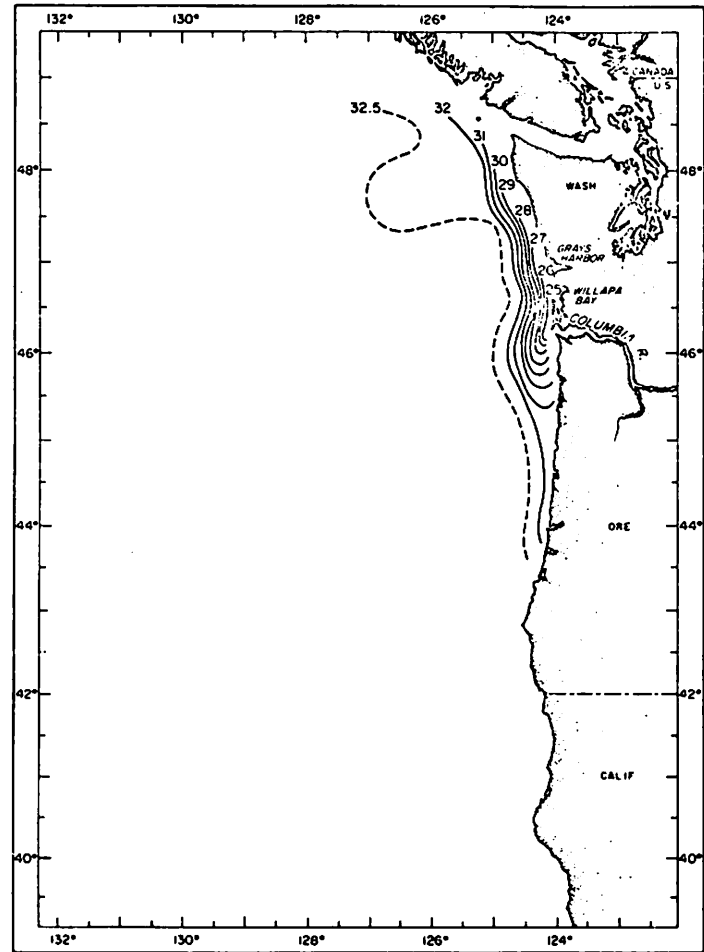
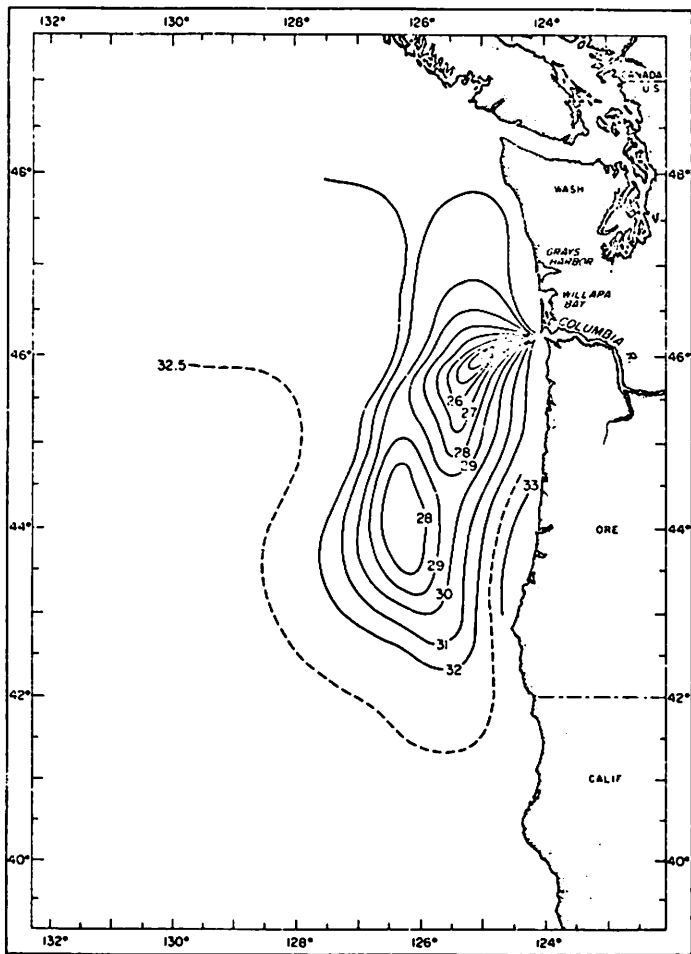


Figure 3. The Effect of the Columbia River on Surface Salinity (%) off the Shelf and Slope along Washington and Oregon.

the two states. In general, the plume is driven northward in winter by the southerly wind and hugs the Washington shelf. In summer the plume is driven southward and offshore by the northerly wind and has its major effect on the Oregon shelf and slope.

The basic steady state flow regime in the winter as described by Barnes et al. (1972) and by Hopkins (1971a) consists of onshore and alongshore Ekman drift in the surface layers, in response to the predominantly southerly winds. The resulting surface convergence induces downwelling and offshore flow in deeper layers. The northward alongshore geostrophic barotropic flow which balances the sea surface tilt and the southward geostrophic baroclinic flow (related to the sloping isopycnals) produce a shear in the water column. In the summer, when the wind is predominantly northerly, all flow directions are reversed and upwelling occurs.

Current Fluctuations

The most remarkable fact apparent from the current data is that a steady state practically never occurs over the Washington continental shelf. The winds are continually fluctuating with periods of from several days to several weeks. As the wind accelerates and decelerates, the entire water column also accelerates and decelerates, lagging the wind by several hours (at most). Although the response is primarily barotropic, some baroclinic response is reflected in the downward decrease in the magnitude of fluctuations.

Whereas the barotropic response is almost immediate, the baroclinic response appears to occur over several days or more. For example, when the winds shifted from being primarily southerly to being primarily northerly in the 1973 spring transition, initially there was no geostrophic shear in the water column (Fig. A-235). The buildup of geostrophic shear occurred progressively over a period of one or two weeks. Although the transition occurred about March 21, the shear cannot be described as fully established until after April 13, when

an undercurrent first appears. Hydrographic sections taken on March 21 (Figure A-344) and May 1 (Figure A-345) dramatically illustrate this change from a downwelling to an upwelling regime. On March 21 the cross-shore density gradient $\partial\rho/\partial x$ was negative from the shelf break to the shore indicating a southward flowing baroclinic current (relative to the surface flow). On May 1, $\partial\rho/\partial x$ was positive from the shelf break inward, indicating a northward flowing baroclinic current (relative to the surface flow).

The fact that the baroclinic response is slower than the barotropic response often causes a subsurface maximum in the alongshore flow. For example, if the baroclinic flow is northward and the barotropic surface current suddenly changes from southward to northward, a northward subsurface maximum will occur until the density field has time to relax. Several examples of such subsurface maxima can be seen in the current records from July to September of 1972 (Fig. A-179, A-187). In particular note the events of August 2-7 and August 17-21.

During the winter the flow is primarily northward, whereas during the summer the flow is primarily southward. Because southerly winter winds generally are greater in magnitude than northerly summer winds, northward currents during the winter typically are larger than southward currents during the summer (compare Fig. A-157 with Fig. A-173). Reversals of wind direction relative to the mean for a particular season occur throughout the year. These reversals produce similar reversals in the geostrophic barotropic currents--i.e. "events" of southward flow during the winter or northward flow during the summer. The data show that a southward winter event can be produced by a relatively weak and short duration northerly wind pulse in comparison with pulses necessary to maintain northward flow. Examples of such events can be seen in Figures A-165 (Jan. 11-19, 1972), A-208 (Feb. 1-5, 1973), A-144 (Nov. 28-Dec. 8, 1971). Note that to examine this effect, only fluctuations well below the Ekman layer should be compared.

The propensity for southward flow in summer also can be seen in Fig. A-194. In this case, a strong northward baroclinic current must be subtracted from records below about 20m for proper comparison of the barotropic fluctuations. However, the most striking example of this southward flow tendency occurs during the spring transition of 1973 (Fig. A-216, A-235 and A-243). Although the mean winds changed gradually from southerly to northerly over a period of about two months, the current transition was abrupt. On March 21, the currents turned from northward to southward in response to the first strong northerly winds of the season. In spite of several southerly wind events, the current remained strongly southward (with the exception of one small northward event at the end of May) until June (when measurements ceased).

One concludes from these data that there is an eastward barotropic pressure gradient force over the continental shelf that cannot be explained by local wind effects. This pressure gradient force can be explained by a consideration of currents in the adjacent main ocean gyre. At about $49^{\circ} 130^{\circ}\text{W}$ the eastward flowing West Wind Drift divides into the northward flowing Alaskan Current and the southward flowing California Current. An eastward pressure gradient force caused by convergence of wind driven Ekman transport towards the center of the ocean gyre maintains the California Current in geostrophic equilibrium (Dodimead et al, 1963). It is possible that the eastward decrease of sea surface elevation continues over the shelf where local northerly wind events can add to it and local southerly winds can subtract from it or even reverse it. Thus, currents would appear to be superimposed on the southward flowing California Current.

It is interesting to consider the possible effect of fluctuations in the California Current as well as those in the shelf currents. The strength of the former must be proportional to the strength of the pressure gradient force, and hence to the strength of the North Pacific High. There might well be an increase

in the California Current transport during periods of northerly winds on the shelf, especially during the summer season. Thus, southward flow tendencies should be strongest in summer. The abrupt transition from winter to summer conditions during 1973 (subsequently documented in 1975 as well) could be explained as a response to the rapid increase in eastward pressure gradient force that must occur as the Alaskan Low is replaced by the North Pacific High in the main gyre. Thereafter lows may creep down the coast and dominate local weather, producing a southerly wind event--but they have a negligible effect on currents in the main gyre once the summer high is established.

Undercurrents on the Shelf

If the baroclinic current is of sufficient magnitude in comparison with the barotropic current as would be the case if the winds suddenly decreased in magnitude, the baroclinic flow manifests itself as an undercurrent, moving in a direction opposite to that of the surface current. This apparent undercurrent occurs in both winter and summer and varies from nonexistence to occupation of the entire water column. In almost all cases the undercurrent at the inner mooring is stronger than the undercurrent at the outer mooring, both at the bottom and at a depth of 50 m (compare Figures A-173 and A-179, and Figures A-157 and A-165, for the summer and winter seasons, respectively). This supports the Mooers, et al. (1976) hypothesis of a jet-like undercurrent during the upwelling season. However, Huyer (1974) did not observe a jet-like structure on the Oregon shelf in the summer of 1972, but rather saw an offshore increase in magnitude. In the summer, the percentage of days of northward undercurrent is 70-100 at the deepest current meter. In the winter, the percentage of days of southward undercurrent is 10-40.

The meridional direction of the undercurrent has been ascertained as a function of season and of distance from the coast in terms of percentage of days of onshore, parallel, or offshore flow with respect to local isobath direction.

At the inner mooring in summer, 40% of the undercurrent flow is parallel, 30% is onshore, 30% is offshore; in winter 30% is parallel, 20% is onshore, 50% is offshore. At the outer mooring in summer, 80% is parallel, 10% is offshore; in winter 50% is parallel, 10% is onshore, 40% is offshore. The general conclusion for the summer is that the direction of the undercurrent is about evenly distributed at the inner mooring but is most often parallel to the isobaths at the outer mooring. In winter the undercurrent flow is least likely to be onshore and is most likely to be parallel at the outer mooring, but offshore at the inner mooring. Summarizing, in all seasons and at all moorings, except the inner one in summer, the direction of the undercurrent flow is more often offshore or parallel than onshore.

Bottom Currents

The direction of the total bottom flow was studied in a similar fashion to that of the undercurrent. The most important result is that bottom flow is northward most of the time--50-80% in winter, 70-100% in summer. In summer, the northward bottom flow is mostly offshore (60% of the time) at the inner mooring, but mostly parallel (70% of the time) at the outer mooring. These directions do not support the onshore bottom flow predicted by Mooers et al. (1976), although it should be noted that the treatment presented here includes transients; hence it is not directly applicable to a steady state model. If nothing else, these results indicate the limited applicability of such models. In winter at both moorings, the northward flow is parallel to the isobaths 50% of the time and equally distributed onshore and offshore the remainder of the time. Southward bottom flow is offshore about 60% of the time in all cases and is onshore less than 5% of the time.

Transport

Transport is important to studies of dissolved or suspended matter. In general, the transport is larger in winter than in summer (compare Figures A-286

and A-278), and is larger at the inner mooring than at the outer mooring (compare Figures A-284 and A-286). These results are a reflection of two facts--(1) that current speeds are much larger in the winter than in the summer (40 cm/sec, c.f. 20 cm/sec) and (2) that speeds are greater at the inner mooring than at the outer mooring. The latter observation is in agreement with the coastal jet hypothesis of Mooers et al. (1976). The volume transports of individual pulsations indicate that in both winter and summer most northward pulsations have an onshore component and most southward pulsations have an offshore component.

Computation of the percentage of days in which northward or southward transport was onshore, parallel, or offshore at the two moorings and in the two seasons illustrates that northward transport is more often parallel to the isobaths than is southward transport (60% versus 20% in summer, 50% versus 30% in winter). In winter, northward transport is parallel 50% of the time and onshore 50% of the time at the outer mooring, and it is parallel 70% of the time, onshore and offshore each 15% of the time, at the inner mooring; that is, the transport is more often onshore at the outer mooring. Comparison with directions of bottom flow indicates that the frequent onshore component of northward transport at the outer mooring is not reflected in the bottom flow and hence must be a result of the onshore flow in the upper part of the water column. In summer, southward transport is parallel 65% of the time and offshore 35% of the time at the outer mooring, but is 60% offshore, 30% parallel, and 10% onshore at the inner mooring; that is, the transport is more often offshore at the inner mooring. Combining the results, it becomes clear that in both seasons the outer mooring has more days of onshore transport than does the inner mooring.

The pulsations evident in both alongshore and cross-shore components of transport are merely reflections of barotropic current fluctuations induced by wind fluctuations. Some interesting results evolve when the alongshore transport is averaged over a record length (usually about one month). In the summer, it

averages to about zero over this period (Figure A-278), but in winter the transport is northward in all cases (Figure A-286).

Transports over the Washington shelf during the upwelling events described by Halpern (1974) were offshore or parallel, and southward at both the inner and outer moorings (Fig. A-276 & A-278). The onset of such an event either changed the transport from northward to southward or enhanced an already southward transport. Onshore or parallel transport, if it occurred, was at the beginning or end of an "event." Moreover, maximum offshore transport lagged the maximum wind magnitude by almost one day.

Comparison with the Oregon Shelf

Differences in the alongshore component of currents on the Washington and Oregon shelves may be due to alongshore variations in wind stress, in topography and in the density field or due to alongshore variations in the degree of shelf-gyre interaction. Each of these possibilities is discussed in turn in the paragraphs which follow.

Bakun (1975) has shown that during all seasons, the upwelling index (which is proportional to southward wind stress) increases southward along the west coast of North America. This systematic variation in wind stress may be responsible for the equatorward increase in summer southward flow that has been observed on the continental shelf (Huyer et al., 1975).

Isobaths on the shelf off Washington and Oregon have a curvature that is convex on the nearshore side, with zero curvature just south of the Columbia River. Because the mean currents tend to follow the isobaths, currents north of the Columbia run slightly west of north or east of south (10° - 20°), while those off central and southern Oregon run east of north or west of south (10° - 35°). The differing isobath directions cause regions of local convergence (e.g. inshore of 100 m along Cascade Head) and divergence (off Westport, for northward flow) which could cause differences in relative magnitudes of flow.

The location of the Columbia River effluent is primarily responsible for alongshore differences in the density field. Columbia River water flows primarily northward during the winter and southward during the summer. However, recent measurements have shown significant variations in the distributions of the effluent over short time periods (Hickey, in preparation). Available data permits derivation on a seasonal scale, of a qualitative relationship between Columbia River effects and observed shear in the current field. On the outer Washington shelf and on the Oregon shelf, summer shear is larger than winter shear as would be expected from the summer thermocline. In addition, the

enhancement of the Oregon pycnocline due to the influx of light Columbia River water causes the Oregon shear to exceed the Washington shear on the outer shelf in the summer. For the Oregon shelf, Collins and Pattullo (1970) have found no shear in February. However, it should be pointed out that this result was based on one monthly mean between two relatively deep current meters (50 and 75 m). Huyer (1974) and Pillsbury (1972) both have indicated diminished shear at the beginning and end of the upwelling season. On the Washington shelf, mean monthly shear at the inner mooring in the winter is double that in the summer. This appears to be due to the northward advection of light Columbia River water in the winter on the inner shelf. Figure A-347 illustrates the Columbia River effect on the density fields of the inner and outer Washington shelf for the winter season.

Because the West Wind Drift divides at about 49°N , some curvature in the southward flowing California Current is expected off Washington. In support of this view, Reed and Halpern (1976) have found currents tending towards the southeast at $47^{\circ}00'\text{N}$, $128^{\circ}17'\text{W}$ during August 1971. Thus the California Current might approach more closely to the coast of Oregon than that of Washington. This would give rise to a greater tendency toward southward flow off Oregon, particularly during the summer when the California Current is strongest. In terms of pressure gradient forces, the eastward component, which balances the Coriolis force on the California Current, should increase equatorward. Thus shelf-gyre interaction provides another mechanism (in addition to wind stress gradients and effects of local isobaths) for explaining the equatorward increase of southward currents on the central shelf.

In spite of the alongshore differences described above, Huyer et al. (1975) and Hickey et al. (in preparation) have shown that fluctuations in alongshore currents on the shelf are highly correlated over distances exceeding 200 km for both the summer and winter seasons, respectively. Although the fluctuations in

the cross-shore currents do not demonstrate the same degree of alongshore correlation as do the component of alongshore currents, some degree of similarity has been noted during strong upwelling events. Halpern (1974) has investigated two upwelling events on the Oregon shelf during 1972--that of July 31 - August 6 and that of August 23 - September 1. Substantial upward motion of isopycnals was observed during these "events." Most of the offshore flow was confined to 4-11 m, with the flow becoming increasingly parallel or onshore with depth. Temperature records taken simultaneously with and at the same depth as the current records (not shown) do suggest that upwelling (as defined by vertical motion of isotherms) did occur simultaneously on the Washington shelf during the Halpern upwelling "events." Agreement in the meridional direction of flow between our shallowest current meter (≈ 20 m) at both inner and outer moorings and those of Halpern (1974) and Huyer (1974) at similar depths was fair. We found offshore flow August 3-6 and August 25-27 at the inner mooring, onshore flow August 2-4, offshore August 5, offshore August 23-24, and parallel flow August 25-30 at the outer mooring. Both Halpern and Huyer found stronger components of offshore flow at comparable depths. The implication is that over the Washington shelf, flow in the near-surface layer during Oregon "events" is offshore or parallel at the inner mooring, but less offshore, more parallel and even onshore at the outer mooring. This fact is reflected in the direction of the mean monthly current vectors on the Washington shelf for a depth of 20 m. The mean near-surface current was onshore relative to the isobaths in winter and offshore in summer, except at the outer mooring in the summer of 1972, where it was onshore. Mean near-surface currents on the Oregon shelf were consistently offshore at all locations during the summer of 1972.

A number of explanations can be advanced for the absence of strong observed offshore surface Ekman transport on the Washington shelf during Oregon "events." Our shallowest current meter is at 16 m and Halpern's data suggest

that Ekman transport on the Oregon shelf occurs primarily above this depth. However, it is probable that the weaker pycnocline on the Washington shelf permits a deeper Ekman layer and that, in fact more offshore flow should be seen on the Washington shelf at this depth. Another plausible reason for the lack of a strong summer Ekman transport is the existence of a nonconstant longshore pressure gradient (possibly due to longshore variations in wind, or effects of the Columbia River) that causes a meridional barotropic current. This possibility is consistent with all available data. Finally, local topographic effects and the southward increase in wind stress, both of which were discussed above with reference to the alongshore component of the currents, could also be responsible for the observed differences in the cross-shore component of the currents.

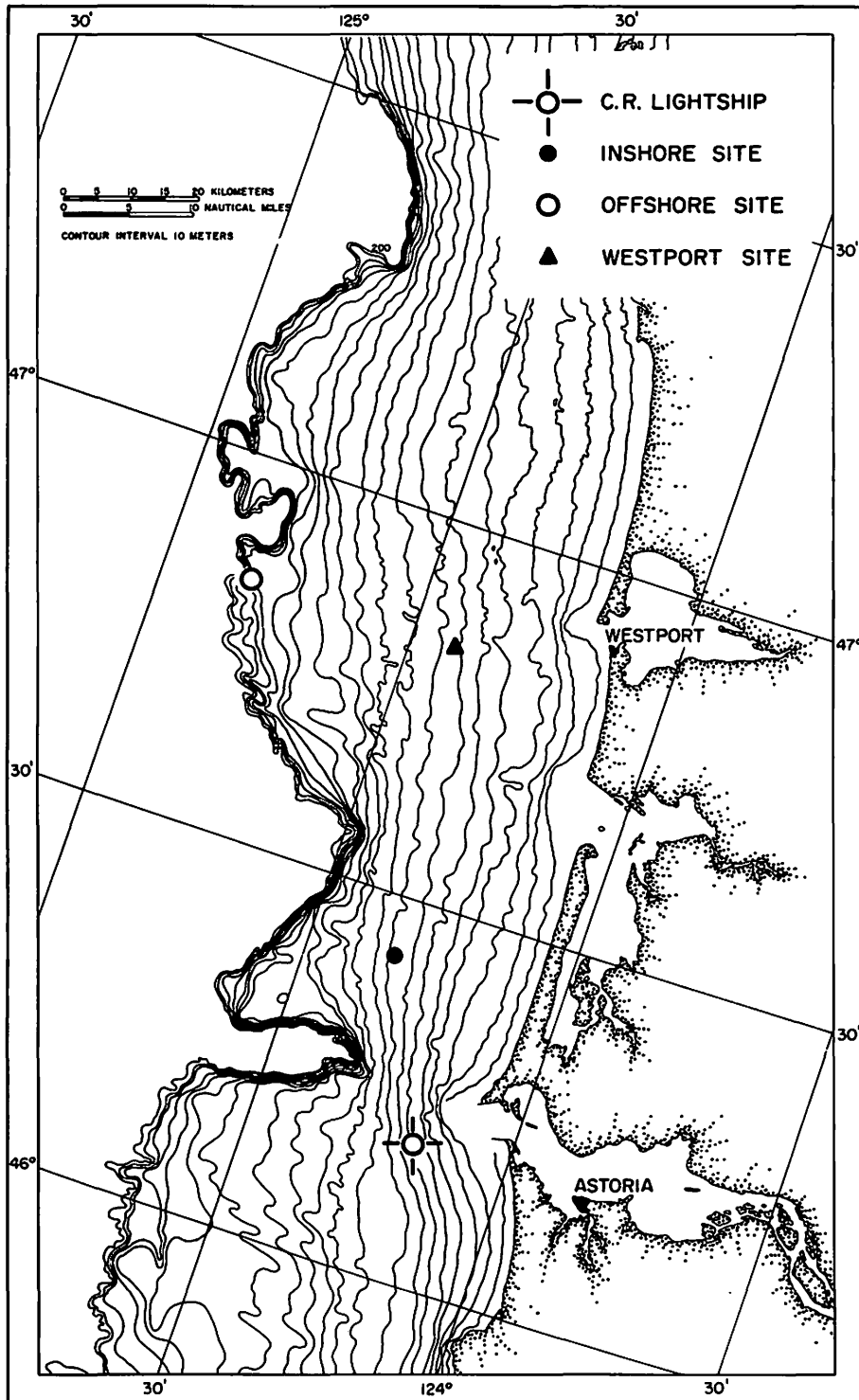
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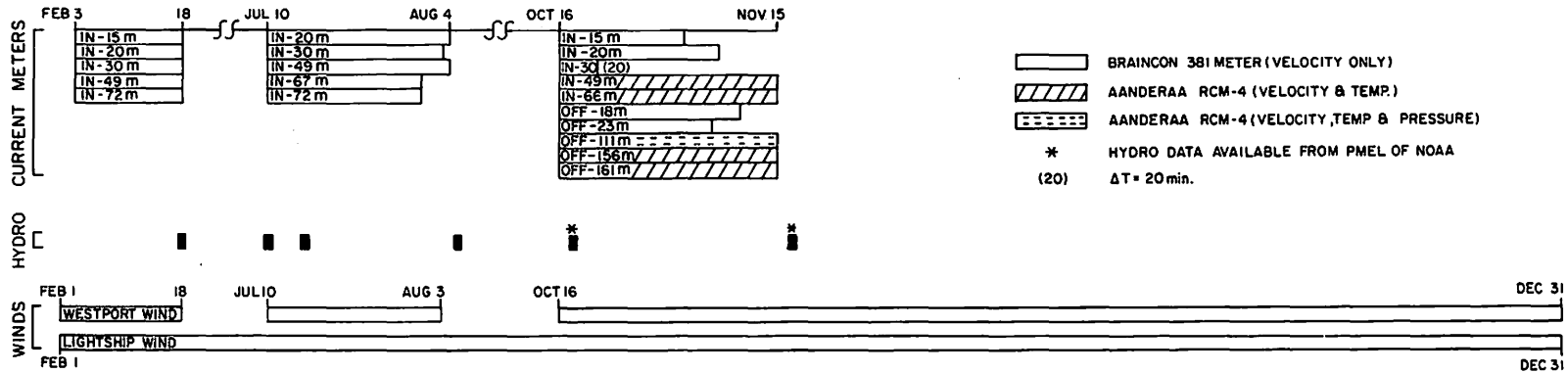
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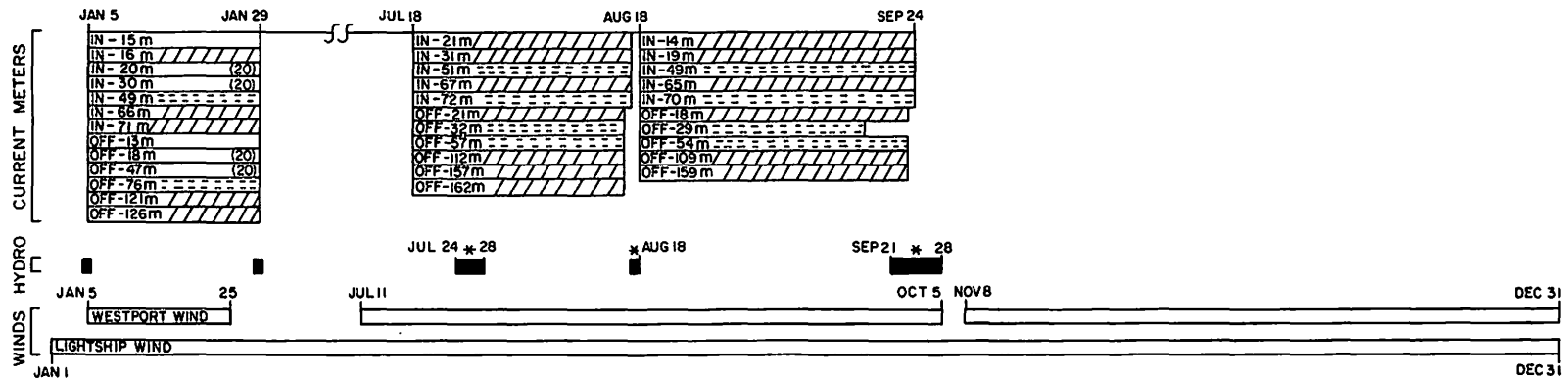


LOCATION OF MEASUREMENT SITES

1971

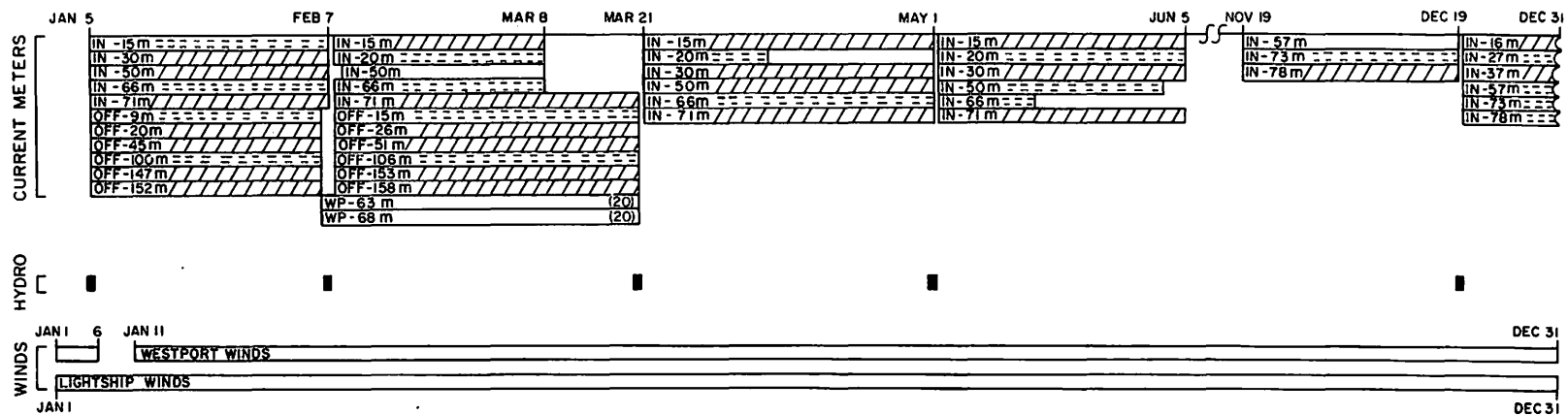


1972

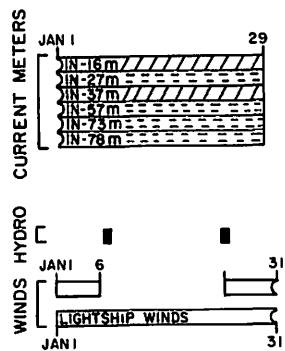


SUMMARY OF AVAILABLE DATA 1971 AND 1972

1973



1974



- ===== BRAINCON 381 METER (VELOCITY ONLY)
- ////// AANDERAA RCM-4 (VELOCITY & TEMP)
- AANDERAA RCM-4 (VELOCITY, TEMP & PRESSURE)
- * HYDRO DATA AVAILABLE FROM PMEL OF NOAA
- (20) ΔT = 20min

SUMMARY OF AVAILABLE DATA 1973 AND 1974

STATISTICS ON RECORDS
(units are cm/sec)

Dates	Record ID	#Observations	Variable	Mean	Max.	Min.	Standard Deviation
2/3/71-2/18/71	Inshore-15m	2139	U	1.6	46.1	-59.2	23.9
			V	17.3	75.1	-44.4	22.8
			Speed	35.8	81.3	13.7	10.7
2/3/71-2/18/71	Inshore-20m	2139	U	0.7	40.1	-46.4	19.9
			V	9.9	54.0	-42.3	21.0
			Speed	29.3	66.8	14.4	8.8
2/3/71-2/18/71	Inshore-30m	2136	U	- 0.9	38.2	-39.1	17.6
			V	6.0	45.4	-36.9	22.4
			Speed	28.3	50.0	14.5	7.1
2/3/71-2/18/71	Inshore-49m	2138	U	- 1.6	30.8	-39.0	12.7
			V	3.3	45.3	-42.7	21.4
			Speed	24.3	47.3	13.2	6.2
2/3/71-2/18/71	Inshore-72m	2137	U	- 2.4	25.9	-24.5	9.4
			V	3.1	32.2	-31.4	13.3
			Speed	16.0	33.8	6.3	5.1
7/10/71-8/4/71	Inshore-20m	3635	U	0.0	49.6	-37.5	11.9
			V	-10.6	44.5	-47.8	14.4
			Speed	19.9	50.8	9.1	8.3
7/10/71-8/3/71	Inshore-30m	3528	U	- 2.5	30.0	-31.8	11.1
			V	- 6.9	24.6	-36.5	14.9
			Speed	19.4	39.1	10.6	4.9
7/10/71-8/5/71	Inshore-49m	3723	U	- 1.6	22.3	-23.9	10.4
			V	1.8	30.2	-33.2	15.9
			Speed	18.7	35.0	10.8	4.4
7/10/71-7/31/71	Inshore-67m	2996	U	- 2.0	20.0	-24.8	9.6
			V	2.8	24.7	-35.2	13.8
			Speed	16.6	35.4	8.8	4.4
7/10/71-7/31/71	Inshore-72m	3001	U	- 0.8	18.5	-20.7	7.9
			V	1.9	22.1	-34.7	12.3
			Speed	14.1	34.9	6.9	4.2
10/16/71-11/2/71	Inshore-15m	2511	U	- 1.4	44.7	-34.5	16.5
			V	10.8	64.1	-33.6	22.7
			Speed	28.2	71.6	10.1	10.4
10/16/71-11/7/71	Inshore-20m	3211	U	1.7	36.2	-34.7	15.1
			V	6.8	63.5	-32.9	22.0
			Speed	26.1	64.1	7.8	8.8

Dates	Record ID	#Observations	Variable	Mean	Max.	Min.	Standard Deviation
10/16/71-11/15/71	Inshore-49m	4280	U	- 0.7	30.2	-30.9	10.5
			V	9.7	75.6	-32.0	20.1
			Speed	22.4	80.3	4.8	10.5
10/16/71-11/15/71	Inshore-66m	4312	U	- 2.5	26.2	-54.0	11.7
			V	6.4	62.7	-32.5	16.3
			Speed	18.4	77.1	2.5	10.6
10/16/71-11/10/71	Offshore-18m	3676	U	- 7.0	64.8	-73.2	22.2
			V	- 0.3	64.5	-73.2	22.8
			Speed	30.0	78.5	7.6	12.7
10/16/71-11/6/71	Offshore-23m	3086	U	- 3.2	50.3	-77.9	21.2
			V	4.1	54.9	-64.8	21.0
			Speed	28.2	81.3	8.1	11.1
10/16/71-11/15/71	Offshore-111m	4312	U	- 2.8	21.0	-33.6	10.1
			V	10.3	40.5	-21.6	12.1
			Speed	18.0	43.8	4.2	6.2
10/16/71-11/15/71	Offshore-156m	4313	U	- 3.6	19.1	-29.7	8.5
			V	4.4	27.1	-21.0	8.9
			Speed	12.1	32.6	1.4	6.2
10/16/71-11/15/71	Offshore-161m	4313	U	- 3.3	18.0	-26.9	7.6
			V	3.9	26.1	-22.8	8.0
			Speed	10.8	28.5	1.0	5.6
1/5/72-1/29/72	Inshore-15m	3463	U	- 6.7	58.7	-63.3	18.1
			V	17.0	105.7	-33.0	24.3
			Speed	32.6	108.6	6.7	13.8
1/5/72-1/29/72	Inshore-16m	3463	U	- 5.6	55.4	-58.6	18.0
			V	17.6	114.8	-36.5	24.6
			Speed	32.5	117.9	7.3	14.7
1/5/72-1/29/72	Inshore-20m	1731	U	- 4.6	38.5	-44.6	17.0
			V	16.7	110.2	-30.2	23.7
			Speed	31.2	113.7	10.5	13.2
1/5/72-1/29/72	Inshore-30m	1731	U	- 1.6	37.5	-32.9	14.0
			V	11.8	94.6	-31.0	26.1
			Speed	29.2	94.6	12.0	12.9
1/5/72-1/29/72	Inshore-49m	3462	U	- 2.8	27.2	-32.0	12.0
			V	6.5	70.6	-43.6	22.5
			Speed	24.3	74.2	7.7	10.6
1/5/72-1/29/72	Inshore-66m	3461	U	- 1.2	34.3	-31.6	10.9
			V	8.4	56.4	-45.3	18.2
			Speed	20.3	61.9	5.3	10.4
1/5/72-1/29/72	Inshore-71m	3464	U	- 3.0	26.9	-34.5	10.5
			V	7.2	48.9	-34.9	15.9
			Speed	18.5	55.9	4.8	9.0

Dates	Record ID	#Observations	Variable	Mean	Max.	Min.	Standard Deviation
1/5/72-1/29/72	Offshore-13m	3441	U	- 7.0	55.7	-55.5	20.6
			V	7.0	86.5	-43.3	26.6
			Speed	33.5	88.5	14.7	10.3
1/5/72-1/29/72	Offshore-18m	1720	U	- 6.1	45.8	-51.8	18.8
			V	8.2	77.1	-42.1	23.7
			Speed	30.4	79.3	12.6	9.7
1/5/72-1/29/72	Offshore-47m	1721	U	- 4.8	35.5	-31.6	15.1
			V	8.8	59.6	-32.5	18.2
			Speed	25.0	61.0	13.2	5.7
1/5/72-1/29/72	Offshore-76m	3441	U	- 4.1	29.7	-32.9	11.8
			V	8.2	42.2	-25.1	15.8
			Speed	21.0	49.3	8.1	5.5
1/5/72-1/29/72	Offshore-121m	3440	U	- 2.7	19.4	-32.4	8.8
			V	5.5	37.1	-17.5	9.1
			Speed	12.7	37.1	3.2	5.9
1/5/72-1/29/72	Offshore-126m	3442	U	- 2.4	18.7	-32.8	8.2
			V	4.7	33.5	-17.0	8.6
			Speed	11.8	34.1	2.1	5.5
7/18/72-8/17/72	Inshore-21m	4329	U	- 2.5	18.0	-22.9	7.9
			V	.7	21.7	-37.2	11.5
			Speed	13.6	38.4	6.9	4.1
7/18/72-8/17/72	Inshore-51m	4330	U	- 1.8	15.3	-17.2	6.8
			V	7.7	25.5	-25.2	11.0
			Speed	14.6	25.8	5.4	3.9
7/18/72-8/17/72	Inshore-67m	4329	U	- 1.8	13.6	-17.4	5.6
			V	6.9	24.0	-27.8	9.7
			Speed	12.6	27.9	3.8	4.2
7/18/72-8/17/72	Inshore-72m	4323	U	- 2.7	12.0	-18.2	4.9
			V	5.4	21.4	-24.4	8.5
			Speed	10.8	24.4	3.1	4.0
7/18/72-8/16/72	Offshore-21m	4142	U	4.9	29.8	-23.8	10.1
			V	- 4.3	25.9	-31.7	10.0
			Speed	14.5	34.1	.6	5.7
7/18/72-8/16/72	Offshore-32m	4139	U	4.0	28.2	-24.1	9.4
			V	- 5.1	19.5	-27.7	9.8
			Speed	14.0	34.4	3.5	5.5
7/18/72-8/16/72	Offshore-57m	4140	U	2.5	23.6	-22.8	7.9
			V	- 2.3	21.4	-27.1	9.9
			Speed	12.5	28.2	4.4	4.1
7/18/72-8/16/72	Offshore-112m	4139	U	- 2.0	17.3	-16.7	6.4
			V	4.6	23.8	-16.5	8.4
			Speed	11.1	26.1	3.9	3.7

Dates	Record ID	#Observations	Variable	Mean	Max.	Min.	Standard Deviation
7/18/72-8/16/72	Offshore-157m	4141	U	- 4.7	14.6	-24.0	6.3
			V	3.2	23.8	-15.9	7.1
			Speed	10.2	25.5	1.0	4.3
7/18/72-8/16/72	Offshore-162m	4143	U	- 3.9	12.9	-23.2	5.6
			V	4.7	21.5	-12.2	6.2
			Speed	9.6	23.3	.7	3.9
8/18/72-9/25/72	Inshore-14m	5455	U	- .1	54.9	-42.7	11.7
			V	1.9	77.4	-38.4	19.0
			Speed	19.2	79.0	5.0	11.6
8/18/72-9/25/72	Inshore-19m	5453	U	- .2	29.9	-26.2	8.6
			V	3.4	76.0	-34.5	17.7
			Speed	17.1	76.2	6.0	10.3
8/18/72-9/25/72	Inshore-49m	5454	U	- 1.3	18.5	-20.4	8.1
			V	6.8	50.7	-21.9	12.9
			Speed	15.7	52.9	4.4	5.6
8/18/72-9/25/72	Inshore-65m	5453	U	- 1.3	14.2	-21.3	6.1
			V	6.1	37.9	-22.2	10.5
			Speed	12.7	39.1	4.2	4.9
8/18/72-9/25/72	Inshore-70m	5447	U	- 1.9	13.8	-20.9	5.1
			V	4.3	34.6	-23.0	9.1
			Speed	10.0	36.8	0.0	5.5
8/18/72-9/24/72	Offshore-18m	5351	U	6.0	58.6	-47.8	14.1
			V	- 6.2	59.5	-51.6	15.4
			Speed	20.4	66.8	1.0	9.6
8/18/72-9/18/72	Offshore-29m	4491	U	2.4	34.4	-18.0	7.7
			V	-10.2	19.8	-42.4	10.1
			Speed	15.3	42.5	5.1	6.1
8/18/72-9/24/72	Offshore-54m	5350	U	2.3	29.6	-28.0	9.5
			V	- 2.1	32.8	-31.0	11.9
			Speed	14.7	34.3	5.3	4.9
8/18/72-9/24/72	Offshore-109m	5347	U	- 3.7	12.9	-20.0	6.4
			V	6.7	33.1	-18.3	8.8
			Speed	12.5	34.7	3.8	4.3
8/18/72-9/24/72	Offshore-159m	5348	U	- 3.3	12.1	-16.0	4.8
			V	5.5	24.2	-15.7	5.6
			Speed	8.9	27.3	.4	4.2
1/5/73-2/7/73	Inshore-15m	4692	U	- 1.2	32.6	-33.0	12.3
			V	28.4	69.3	-36.2	18.1
			Speed	34.0	69.6	8.7	11.4
1/5/73-2/7/73	Inshore-30m	4693	U	- 3.9	25.2	-29.5	10.4
			V	20.0	56.2	-26.9	16.5
			Speed	26.0	56.7	6.0	10.9
1/5/73-2/7/73	Inshore-50m	4695	U	- .7	21.2	-24.3	9.2
			V	14.3	55.0	-24.6	17.3
			Speed	21.8	55.1	4.5	10.7

Dates	Record ID	#Observations	Variable	Mean	Max.	Min.	Standard Deviation
1/5/73-2/7/73	Inshore-66m	4693	U	- 1.5	19.1	-30.4	8.3
			V	11.6	50.5	-24.4	16.2
			Speed	19.1	51.0	3.3	10.0
1/5/73-2/7/73	Inshore-71m	4695	U	- 2.7	18.2	-28.4	8.5
			V	10.7	47.5	-26.7	15.2
			Speed	18.3	51.7	3.6	9.4
1/5/73-2/7/73	Offshore-9m	4590	U	-10.1	46.9	-56.7	17.9
			V	29.2	75.6	-48.0	22.2
			Speed	40.5	75.6	12.6	11.4
1/5/73-2/7/73	Offshore-20m	4589	U	-10.1	35.9	-49.6	14.0
			V	24.0	73.7	-35.7	19.6
			Speed	33.6	73.8	10.6	11.4
1/5/73-2/7/73	Offshore-45m	4589	U	-10.7	23.1	-36.7	10.8
			V	18.9	66.3	-27.6	17.8
			Speed	28.2	66.9	9.1	10.7
1/5/73-2/7/73	Offshore-100m	4589	U	- 5.6	23.6	-40.9	9.5
			V	16.1	70.6	-22.9	17.7
			Speed	23.8	70.6	5.9	11.4
1/5/73-2/6/73	Offshore-147m	4590	U	- 4.7	26.0	-37.0	10.4
			V	6.8	44.2	-27.0	13.9
			Speed	17.5	50.0	3.6	7.8
1/5/73-2/6/73	Offshore-152m	4589	U	- 4.5	23.4	-32.8	9.4
			V	4.5	40.7	-25.8	12.1
			Speed	15.2	45.4	2.5	6.7
2/7/73-3/8/73	Inshore-15m	4202	U	- 1.5	38.3	-30.2	12.6
			V	18.7	58.4	-32.2	19.0
			Speed	28.4	58.6	12.1	8.1
2/7/73-3/8/73	Inshore-20m	4203	U	- 1.8	31.4	-30.5	11.1
			V	15.4	55.3	-30.9	19.2
			Speed	26.0	55.3	11.3	7.6
2/8/73-3/8/73	Inshore-50m	4039	U	- 1.2	19.8	-19.3	7.6
			V	10.0	41.9	-26.3	14.5
			Speed	18.3	41.9	7.3	5.7
2/7/73-3/8/73	Inshore-66m	4203	U	- 1.0	20.0	-20.2	6.6
			V	7.3	41.0	-28.3	14.2
			Speed	16.1	41.2	6.1	6.3
2/7/73-3/21/73	Inshore-71m	6029	U	- 2.7	27.7	-28.3	8.4
			V	2.4	48.3	-40.2	16.3
			Speed	17.4	49.2	4.9	6.8
2/6/73-3/21/73	Westport-63m	3057	U	0.6	35.1	-36.8	13.1
			V	4.1	51.4	-35.6	19.3
			Speed	22.6	57.6	11.2	6.8

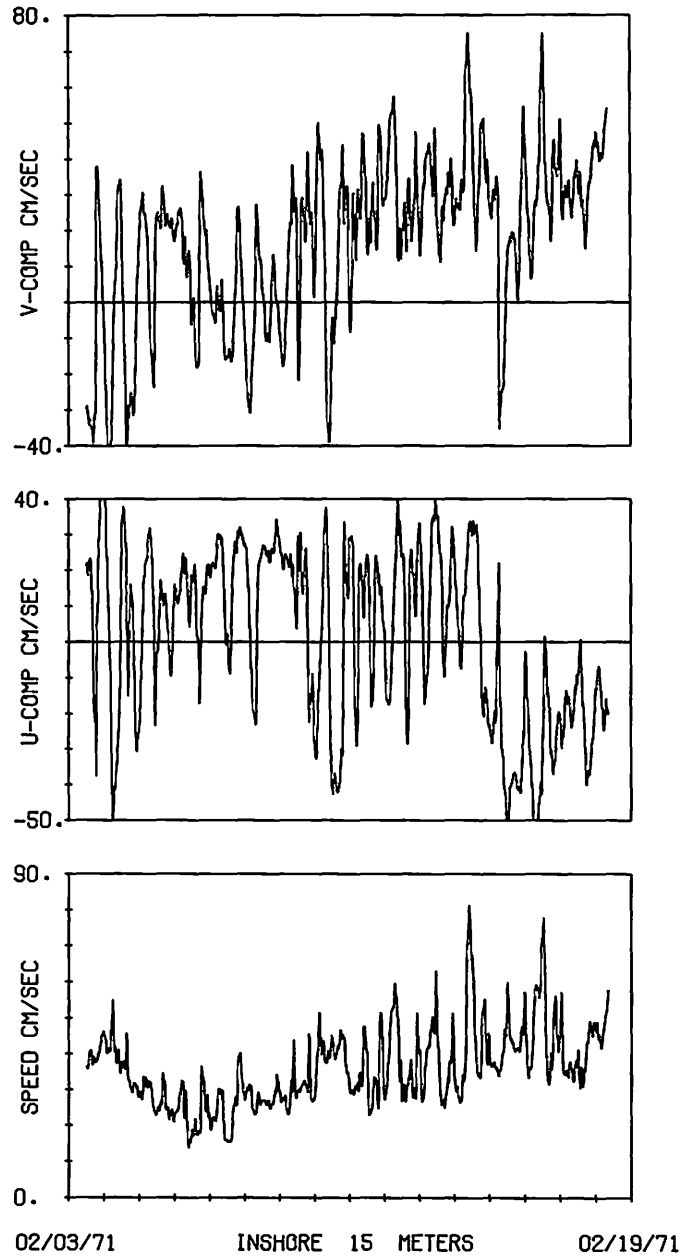
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2/6/73-3/21/73	Westport-68m	3084	U	0.5	24.8	-22.8	7.9
			V	2.3	45.8	-27.0	13.0
			Speed	13.7	46.9	0.8	6.9
2/7/73-3/21/73	Offshore-15m	6003	U	- 4.3	40.2	-40.1	15.2
			V	13.4	53.2	-34.1	19.6
			Speed	27.5	57.6	9.8	7.5
2/7/73-3/21/73	Offshore-26m	6003	U	- 4.2	31.8	-29.7	12.4
			V	11.8	50.4	-28.9	17.2
			Speed	23.5	50.4	7.3	7.4
2/7/73-3/21/73	Offshore-51m	6004	U	- 4.1	24.9	-29.3	12.0
			V	10.7	51.8	-24.6	16.0
			Speed	21.9	52.8	7.8	6.9
2/7/73-3/21/73	Offshore-106m	6003	U	- 2.3	25.7	-26.1	9.8
			V	7.8	51.5	-30.0	15.9
			Speed	19.1	52.4	7.2	7.0
2/7/73-3/21/73	Offshore-153m	6004	U	- 3.5	25.4	-33.6	9.4
			V	0.4	32.9	-29.5	12.4
			Speed	14.7	39.1	2.8	6.5
2/7/73-3/21/73	Offshore-158m	6003	U	- 3.0	31.7	-28.8	8.6
			V	- 0.7	30.3	-28.7	10.9
			Speed	12.9	33.8	2.1	6.0
3/21/73-5/1/73	Inshore-15m	5877	U	- 3.2	37.2	-34.3	11.5
			V	-21.6	30.7	-57.5	14.0
			Speed	27.3	59.0	7.6	7.7
3/21/73-4/8/73	Inshore-20m	2528	U	- 0.5	22.0	-23.9	9.2
			V	-19.7	29.7	-38.9	12.0
			Speed	24.4	40.7	12.5	4.7
3/21/73-5/1/73	Inshore-30m	5877	U	0.5	24.6	-25.2	8.7
			V	-21.3	24.2	-44.7	10.7
			Speed	24.6	45.0	8.0	6.3
3/21/73-5/1/73	Inshore-50m	5876	U	- 0.5	22.4	-24.0	7.4
			V	-18.1	22.6	-47.5	11.4
			Speed	21.7	48.9	7.5	6.6
3/21/73-5/1/73	Inshore-66m	5877	U	0.1	28.7	-27.3	7.7
			V	-12.4	22.7	-36.6	11.8
			Speed	17.6	36.6	4.4	6.5
3/21/73-5/1/73	Inshore-71m	5877	U	1.0	31.2	-25.2	8.3
			V	-10.7	21.7	-32.4	11.1
			Speed	16.4	33.9	4.6	6.1
5/1/73-6/5/73	Inshore-15m	5034	U	2.2	44.3	-40.3	12.3
			V	-18.6	44.0	-66.8	16.9
			Speed	26.5	66.9	7.2	9.3

A-10

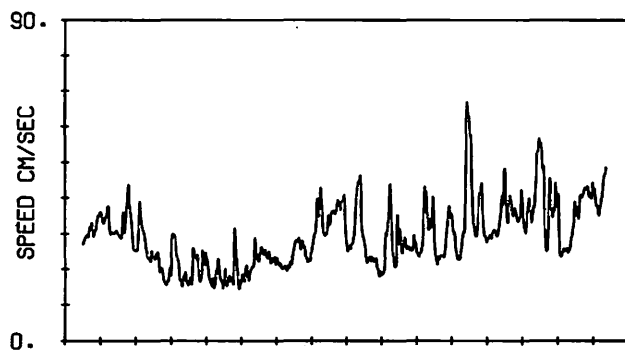
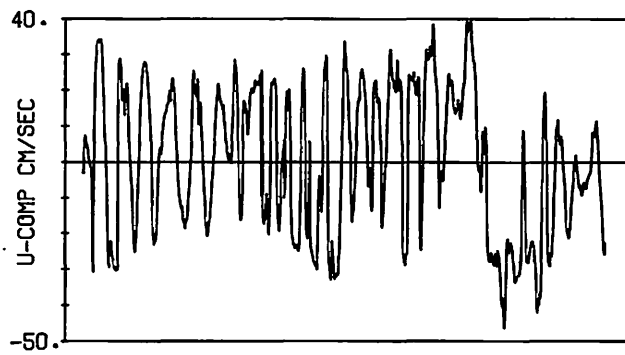
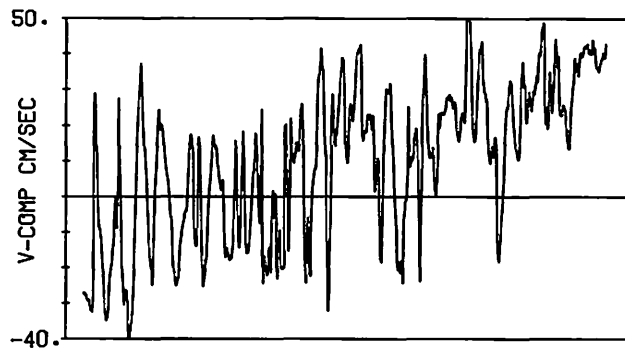
Dates	Record ID	#Observations	Variable	Mean	Max.	Min.	Standard Deviation
5/1/73-6/5/73	Inshore-20m	5034	U	2.3	29.6	-32.5	11.3
			V	-18.8	41.0	-62.8	15.7
			Speed	25.5	62.8	6.8	9.1
5/1/73-6/5/73	Inshore-30m	5034	U	- 2.1	27.4	-28.9	9.6
			V	-16.1	36.8	-42.5	15.0
			Speed	23.0	45.6	8.5	7.3
5/1/73-6/2/73	Inshore-50m	4591	U	- 2.1	31.7	-27.3	9.2
			V	- 8.5	39.6	-35.7	14.9
			Speed	18.6	40.6	6.7	6.2
5/1/73-5/15/73	Inshore-66m	2037	U	0.5	31.7	-28.1	11.5
			V	- 0.9	30.8	-37.4	12.4
			Speed	16.0	39.0	5.4	5.5
5/1/73-6/5/73	Inshore-71m	5034	U	- 0.4	26.3	-25.9	8.7
			V	- 3.8	36.6	-37.0	12.0
			Speed	14.3	41.9	4.0	5.4
11/19/73-11/28/73	Inshore-57m	1334	U	- 1.5	31.8	-29.1	14.3
			V	11.1	65.4	-23.7	18.6
			Speed	24.3	66.4	13.6	9.3
11/19/73-12/19/73	Inshore-73m	4294	U	- 5.4	39.0	-38.9	11.1
			V	17.6	66.1	-39.5	18.2
			Speed	26.2	66.5	7.9	10.2
11/19/73-12/19/73	Inshore-78m	4294	U	- 6.0	34.1	-35.0	11.2
			V	15.4	62.8	-38.8	16.5
			Speed	24.1	62.9	6.8	9.5
12/19/73-1/29/74	Inshore-16m	5885	U	- 5.6	53.8	-54.3	17.7
			V	19.0	93.1	-67.9	33.4
			Speed	40.0	93.6	9.3	15.0
12/19/73-1/29/74	Inshore-27m	5885	U	- 3.4	35.3	-35.5	12.9
			V	14.7	90.3	-54.0	28.9
			Speed	32.0	90.9	6.8	14.3
12/19/73-1/29/74	Inshore-37m	5884	U	- 3.1	28.1	-37.7	13.4
			V	12.3	90.6	-46.2	27.6
			Speed	30.1	91.4	6.9	13.9
12/19/73-1/29/74	Inshore-57m	5884	U	- 2.6	26.9	-37.0	11.1
			V	7.4	85.3	-45.1	26.0
			Speed	26.0	86.1	5.7	13.7
12/19/73-1/29/74	Inshore-73m	5884	U	- 2.6	27.2	-38.5	10.9
			V	6.7	72.9	-47.9	20.9
			Speed	21.4	75.8	5.3	12.1
12/19/73-1/29/74	Inshore-78m	5884	U	- 3.4	30.4	-38.1	10.0
			V	6.0	69.0	-42.9	19.4
			Speed	20.0	71.7	4.7	11.2

Plots of the velocity data from the basic data file of each current meter are shown on pages A-12 through A-108. Positive V is to the North; Positive U is to the East. The time axis is marked at 0000 hours of each day.

A-12

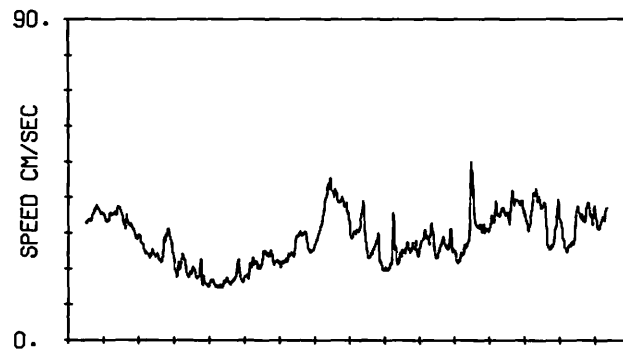
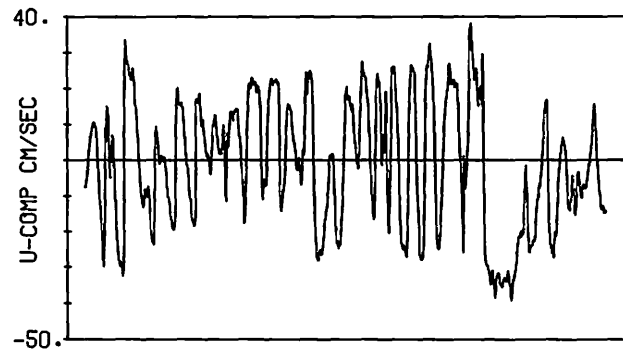
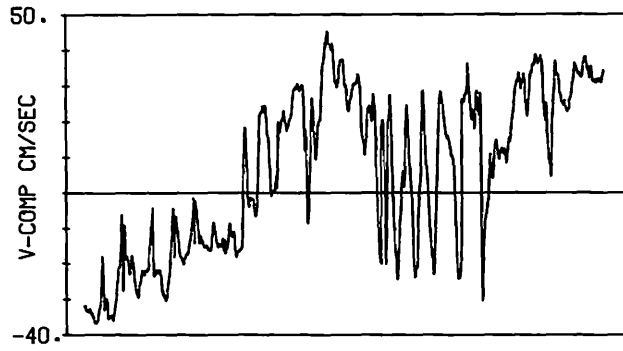


A-13



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A-14

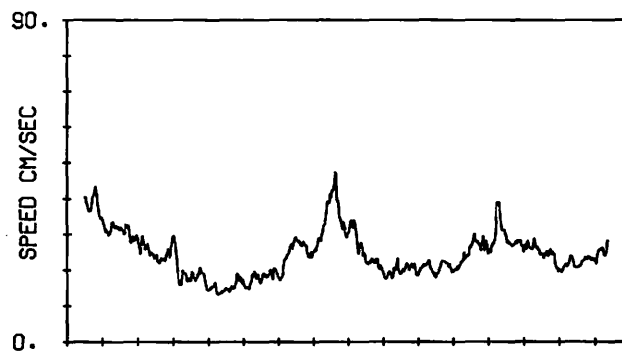
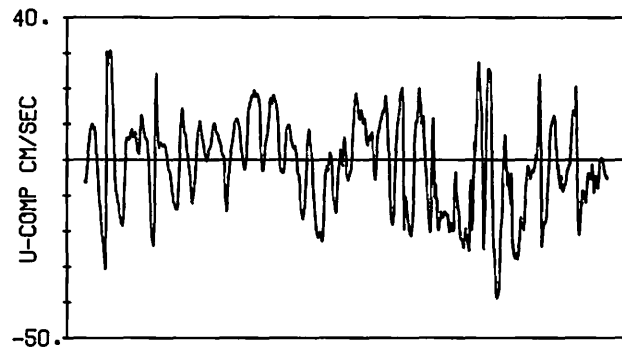
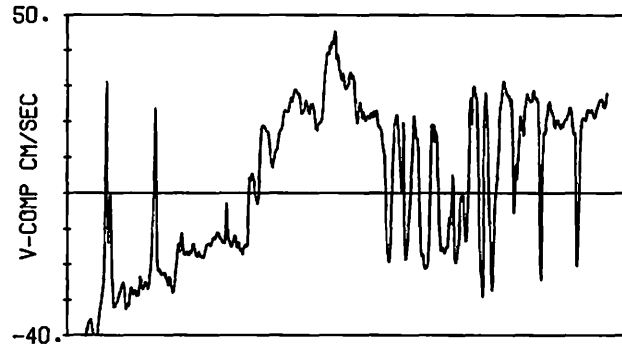


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INSHORE 30 METERS

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A-15

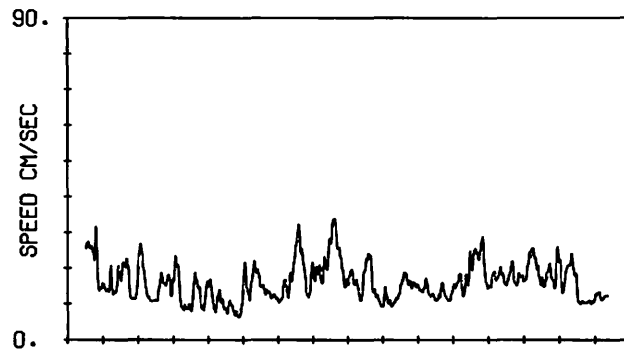
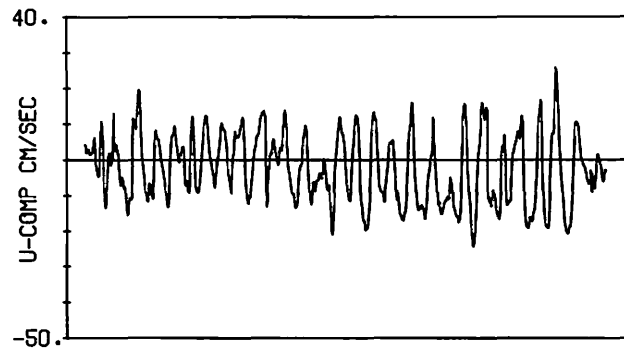
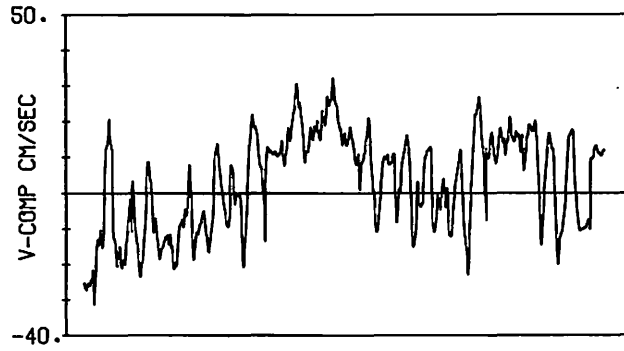


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INSHORE 49 METERS

02/19/71

A-16

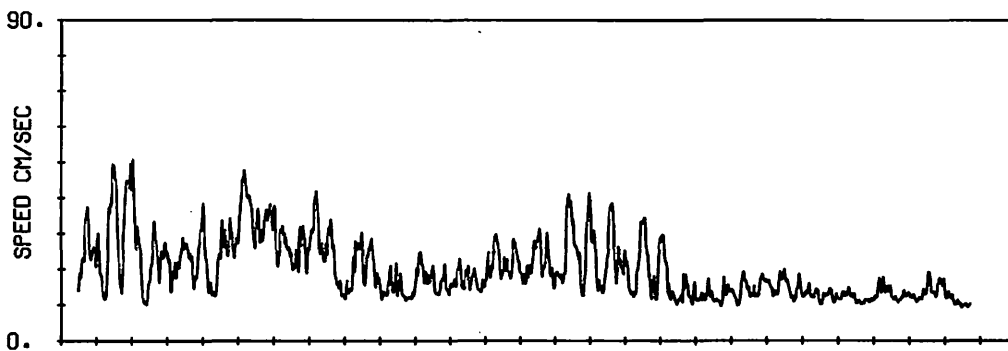
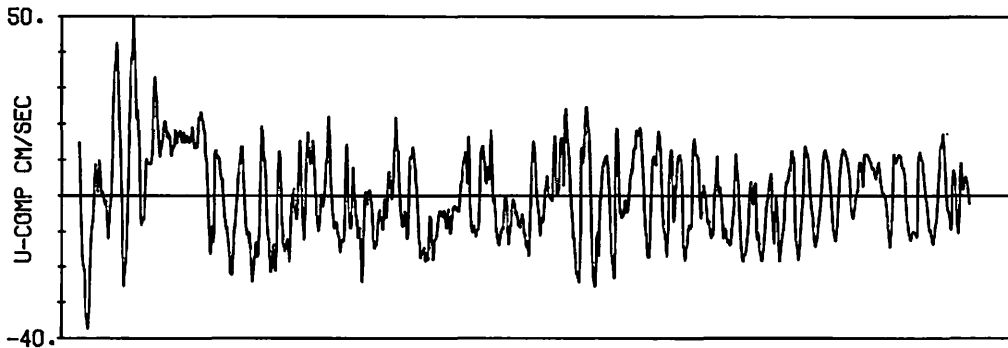
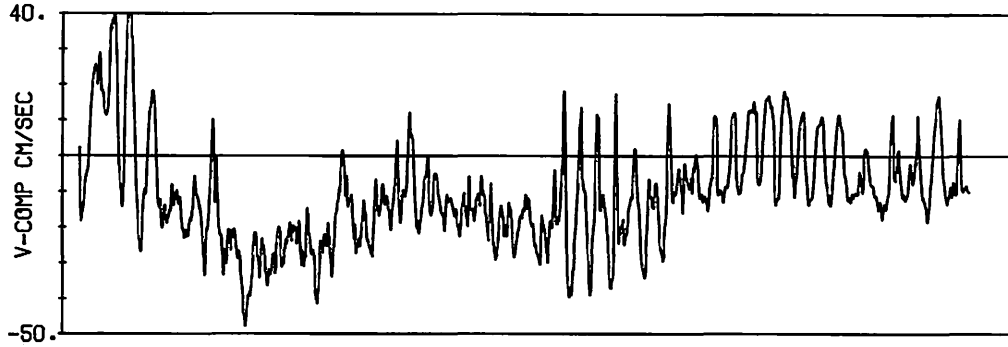


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INSHORE 72 METERS

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A-17

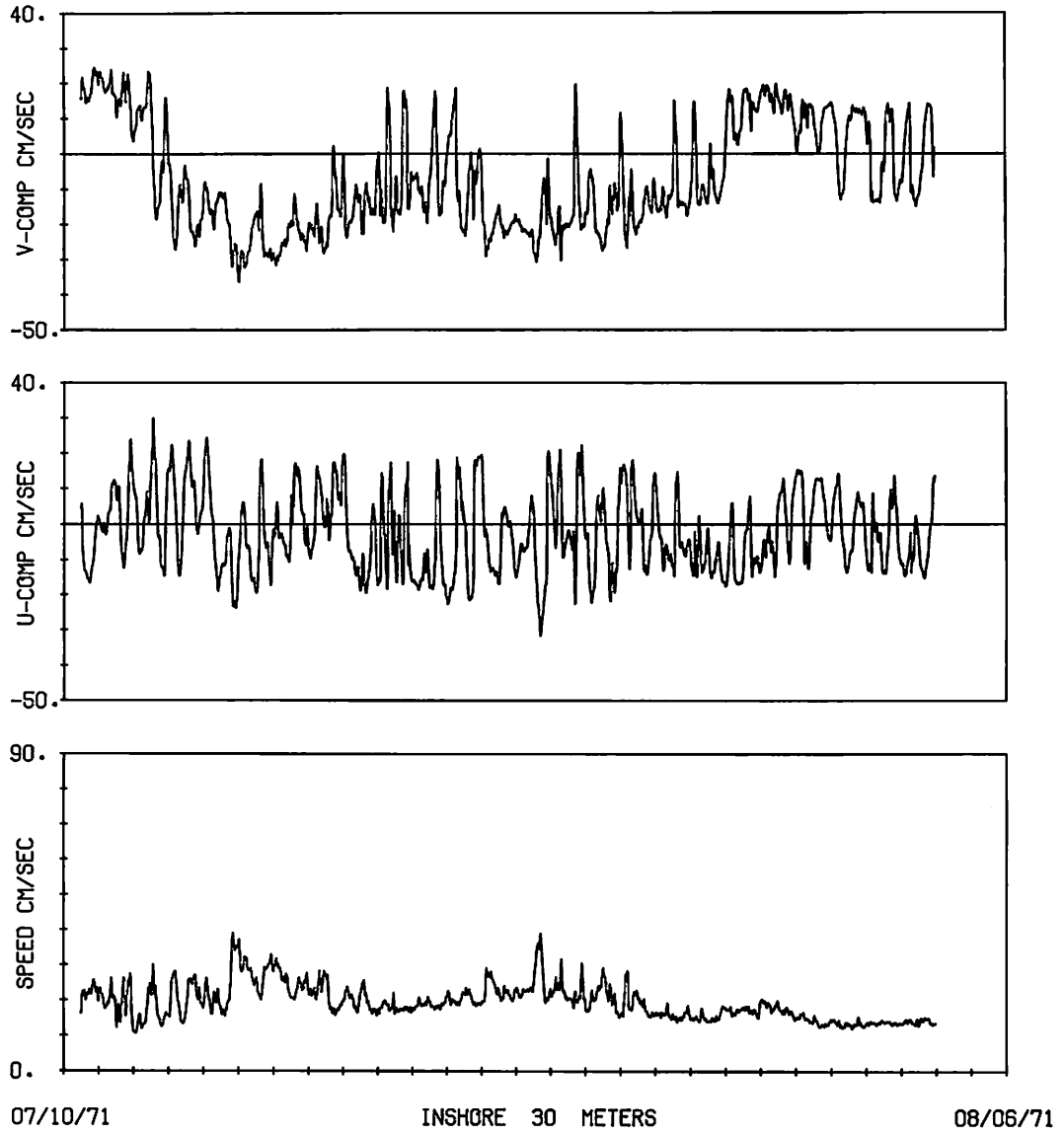


07/10/71

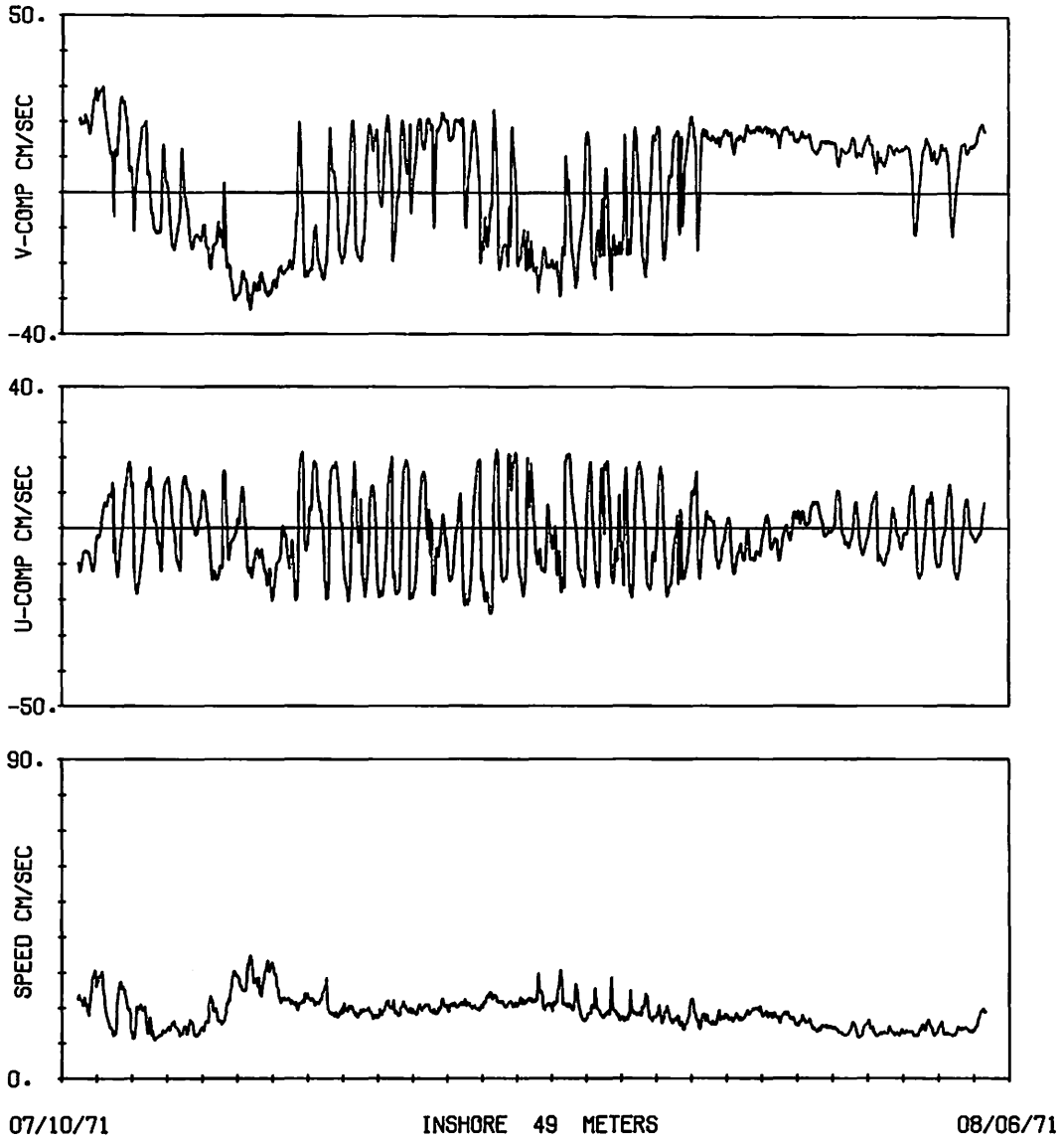
INSHORE 20 METERS

08/06/71

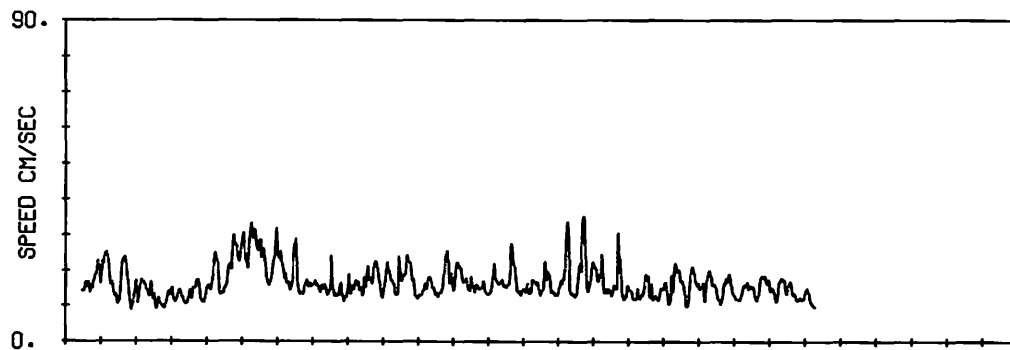
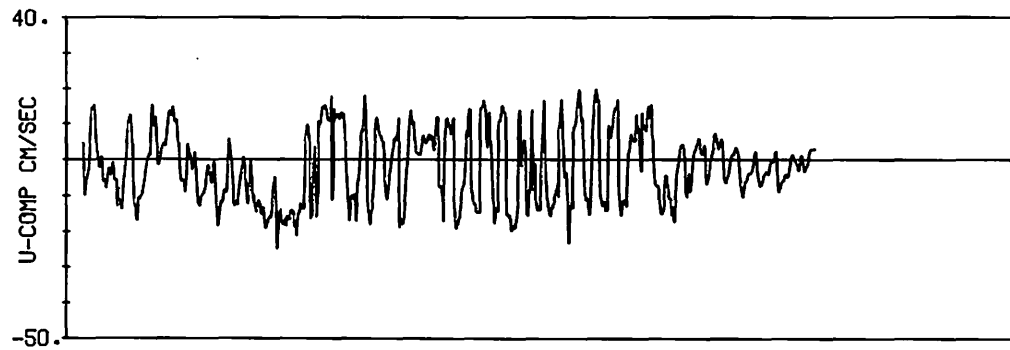
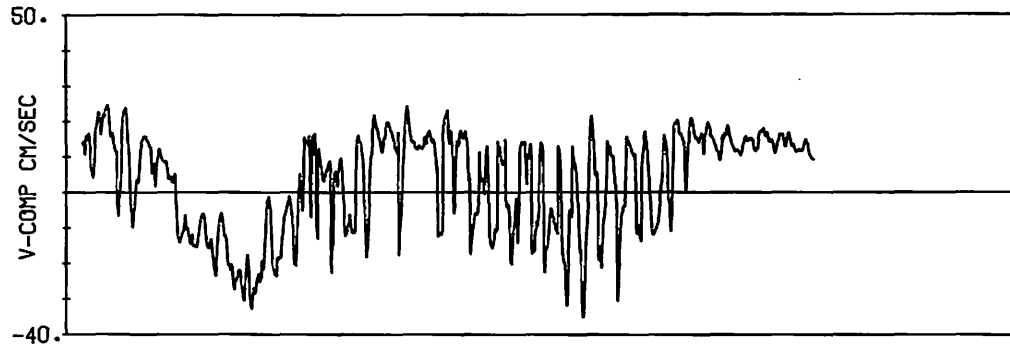
A-18



A-19



A-20

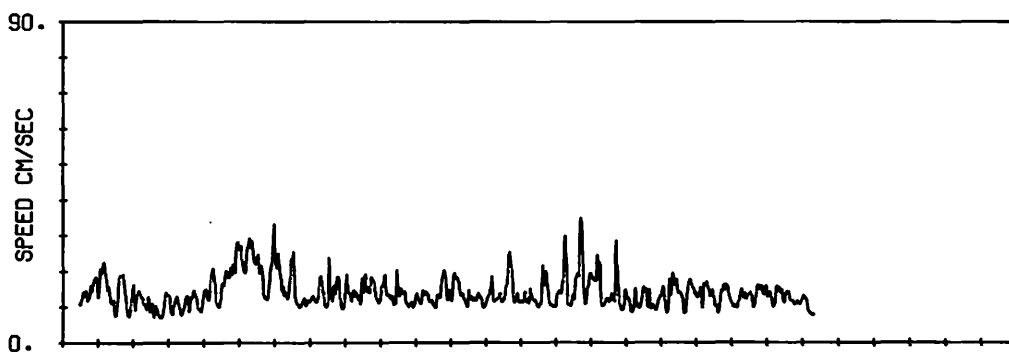
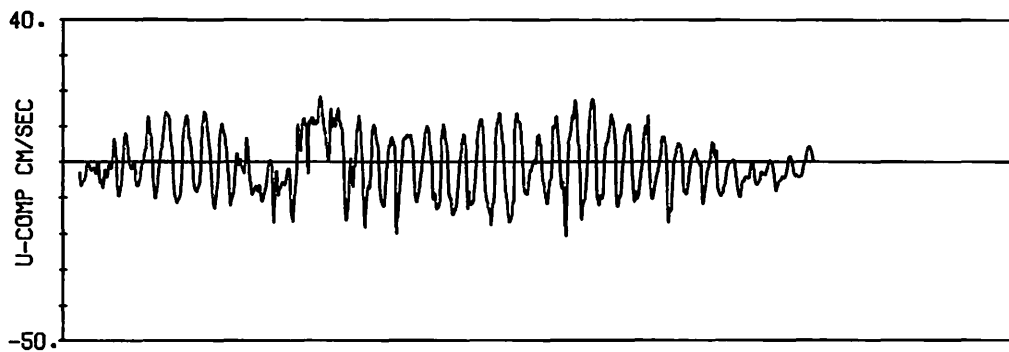
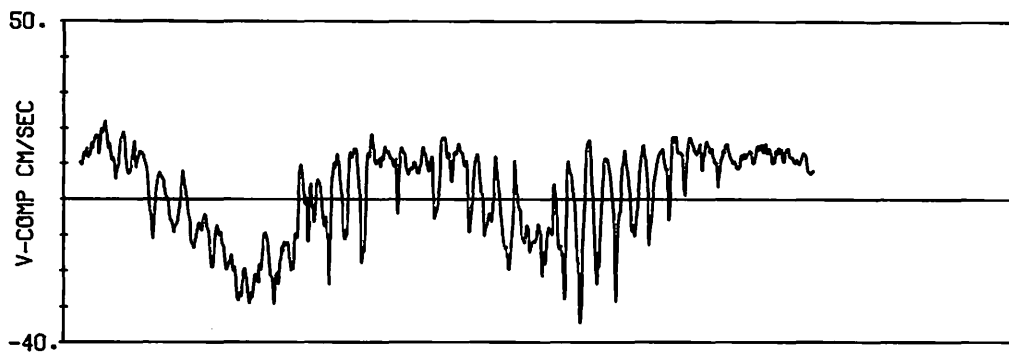


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INSHORE 67 METERS

08/06/71

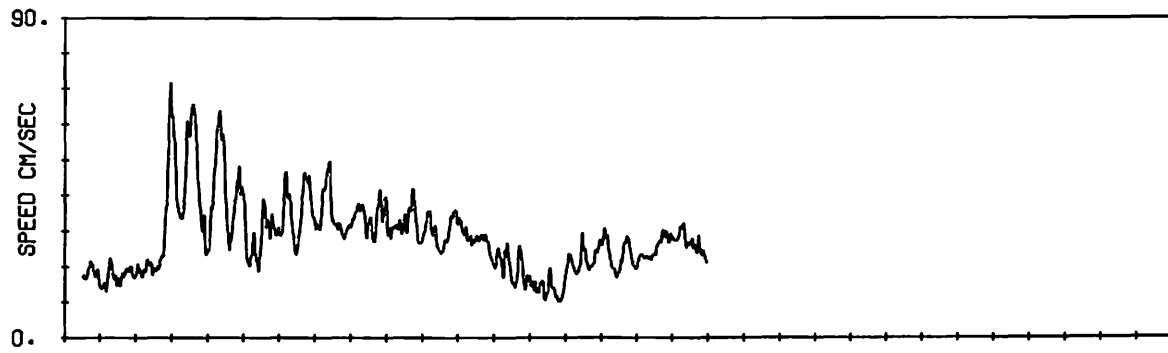
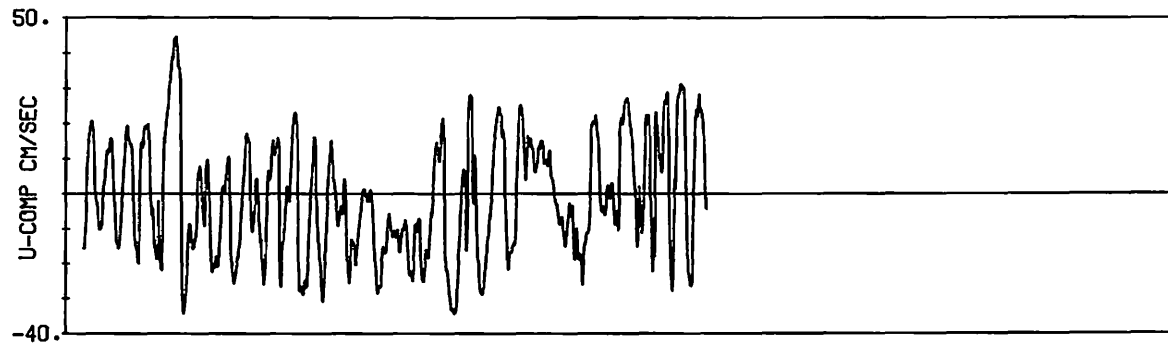
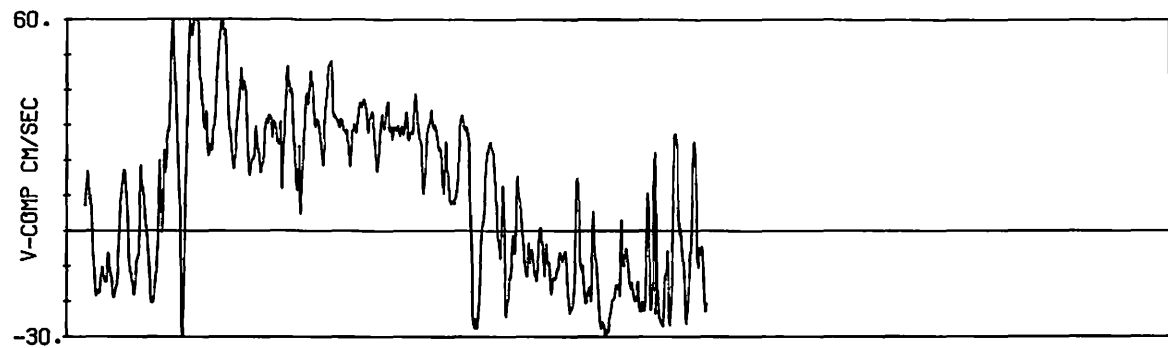
A-21



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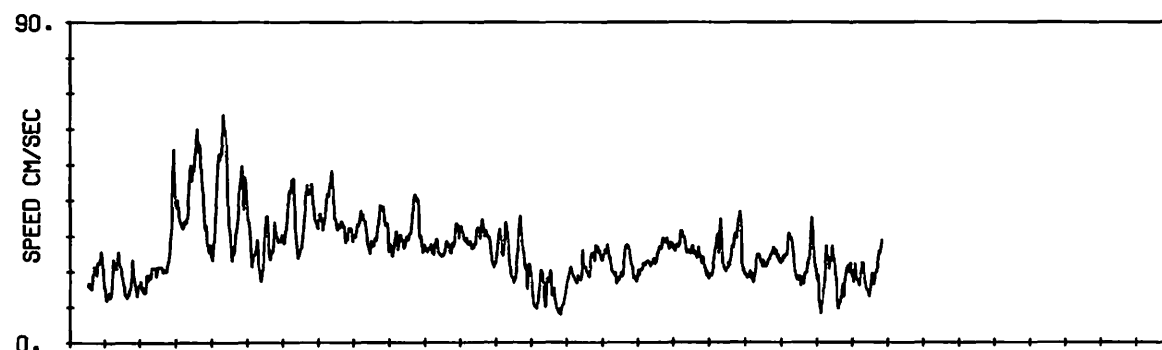
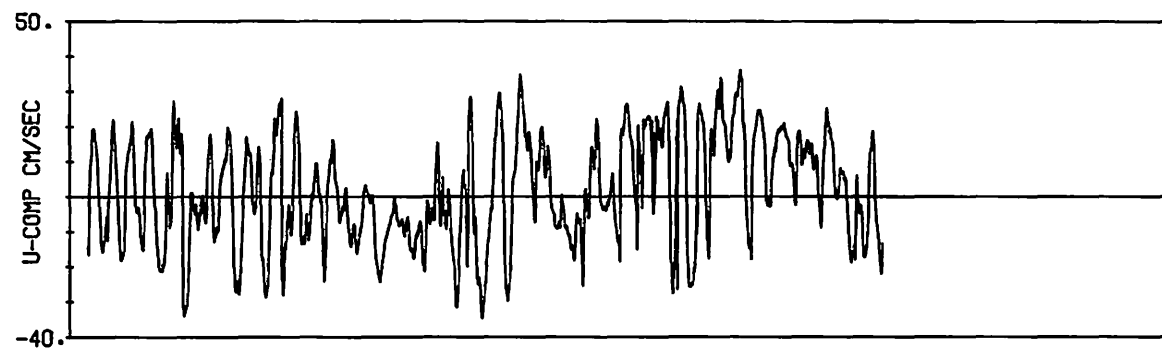
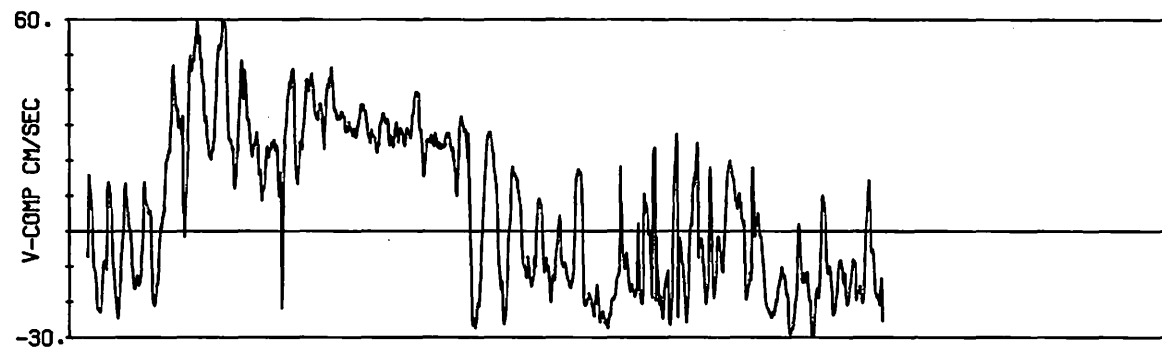
INSHORE 72 METERS

08/06/71



10/16/71 INSHORE 15 METERS 11/16/71

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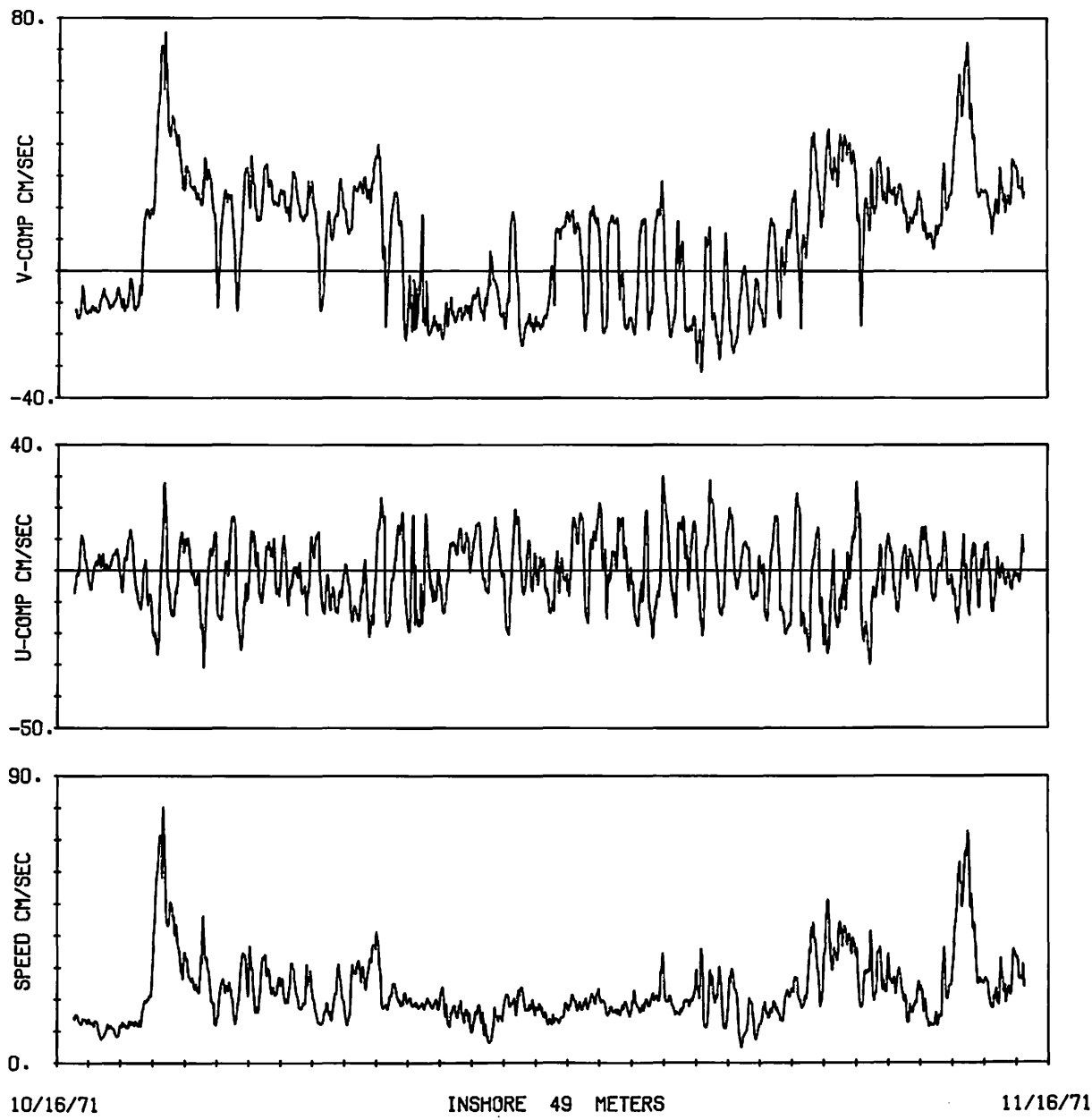


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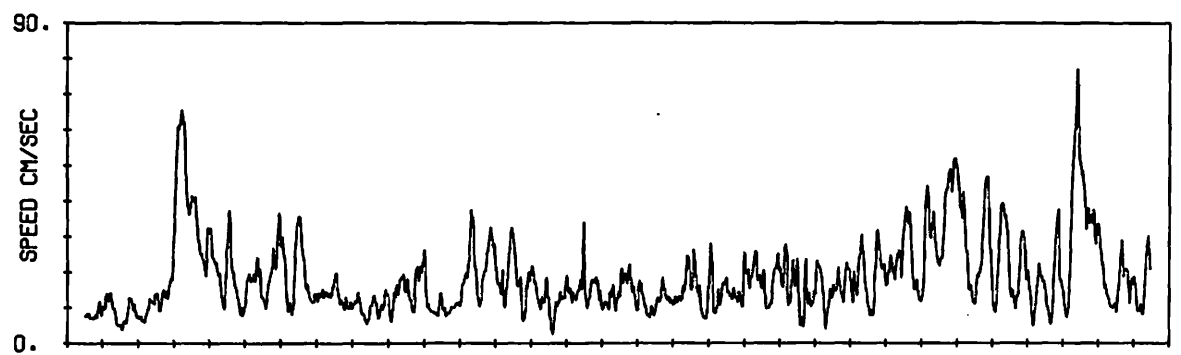
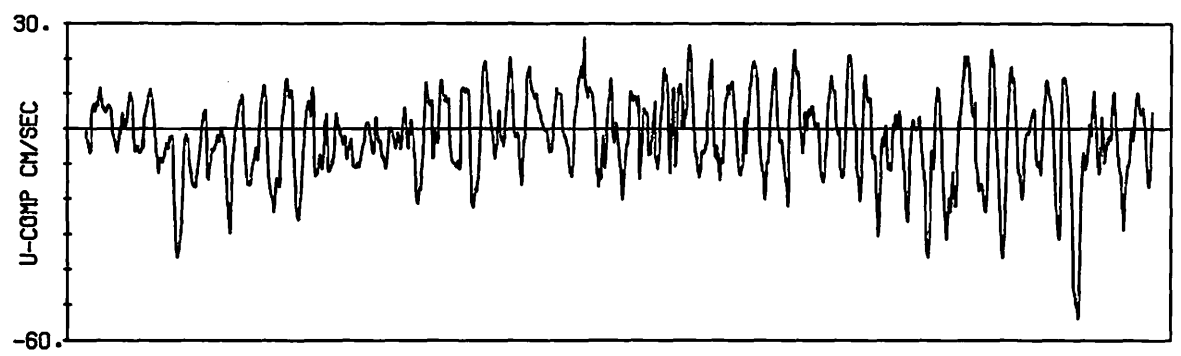
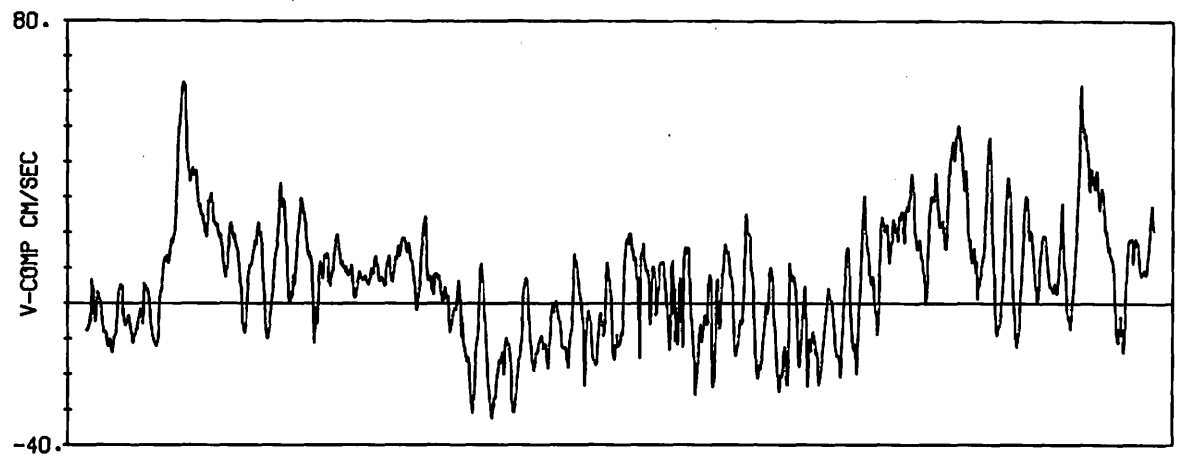
INSHORE 20 METERS

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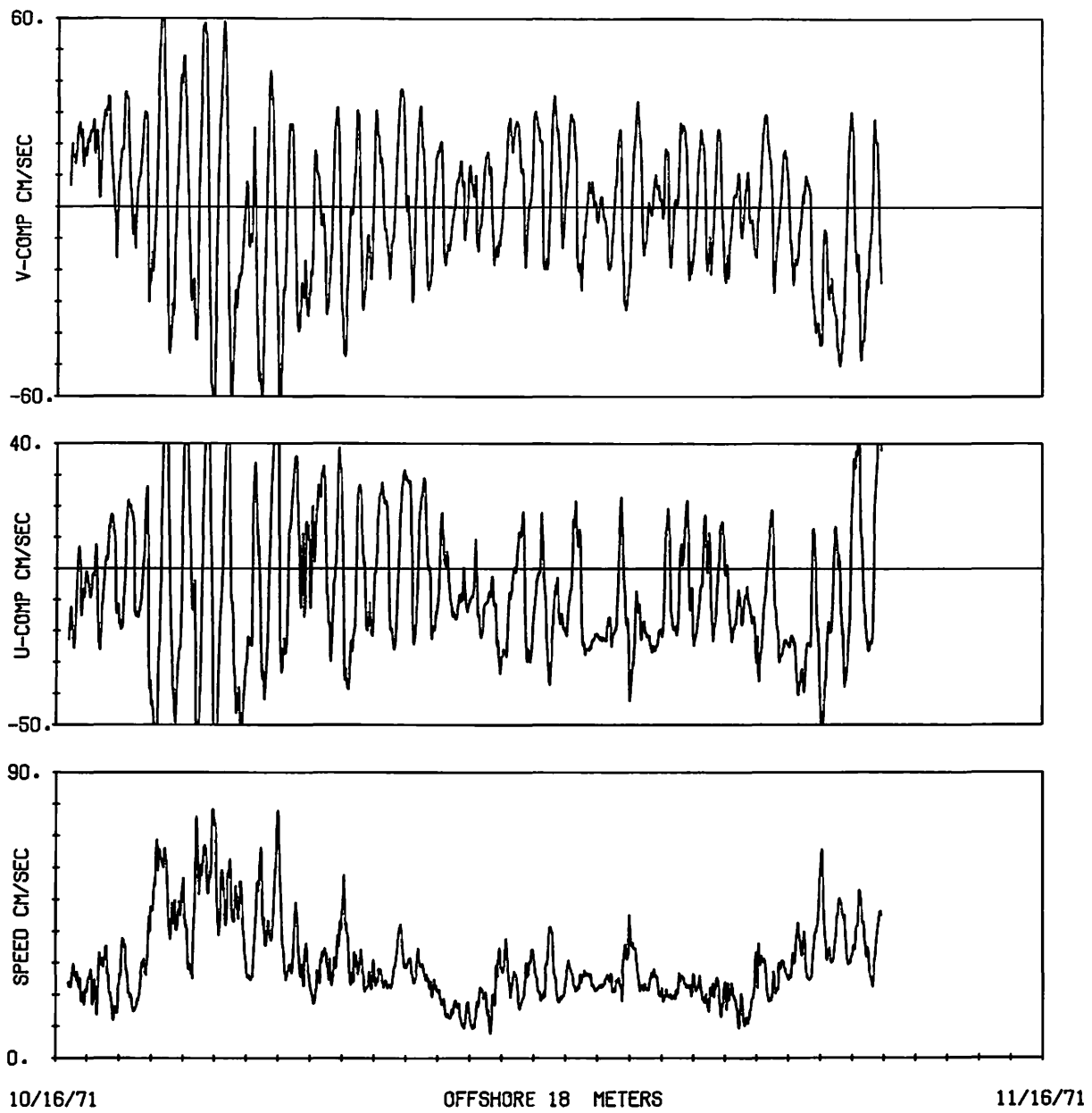


10/16/71

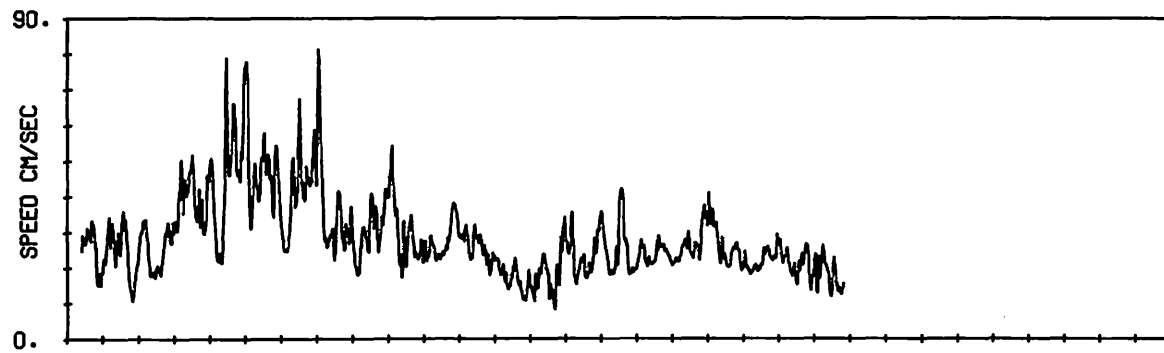
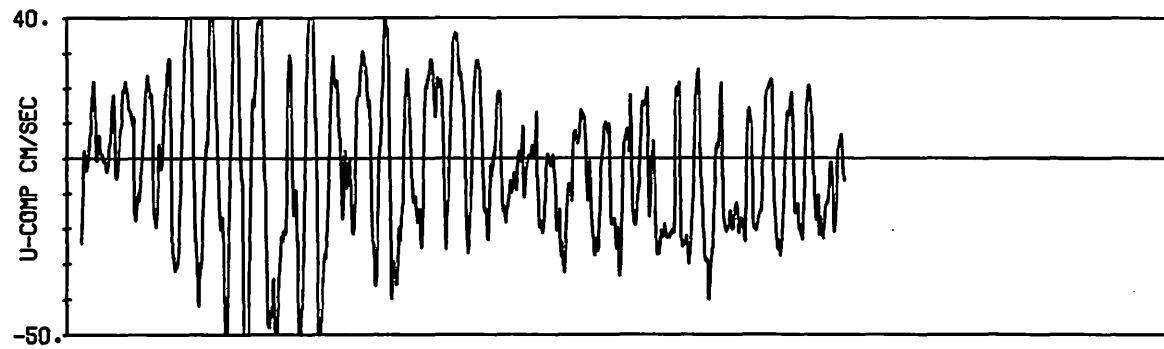
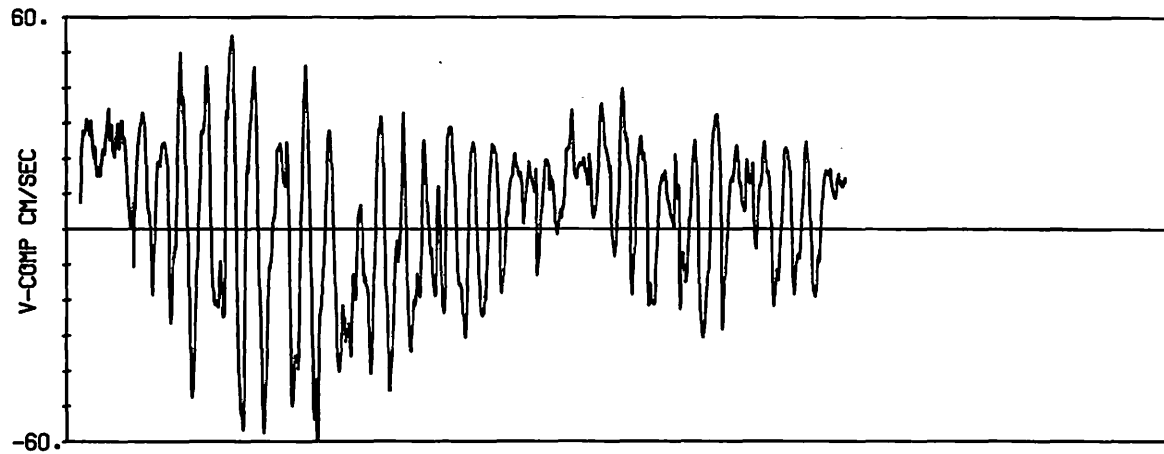
INSHORE 66 METERS

11/16/71

A-25



A-26

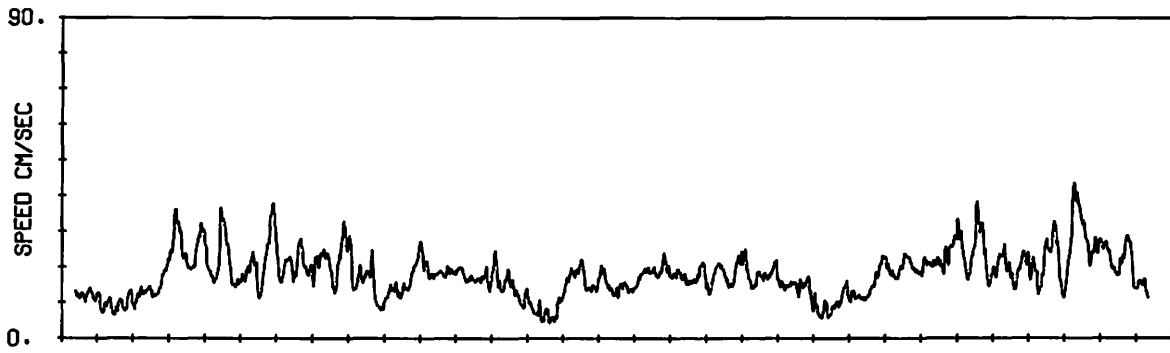
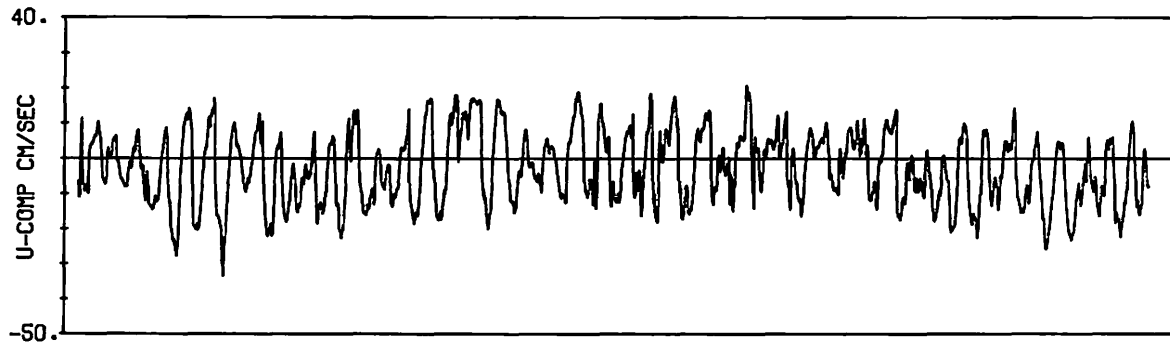
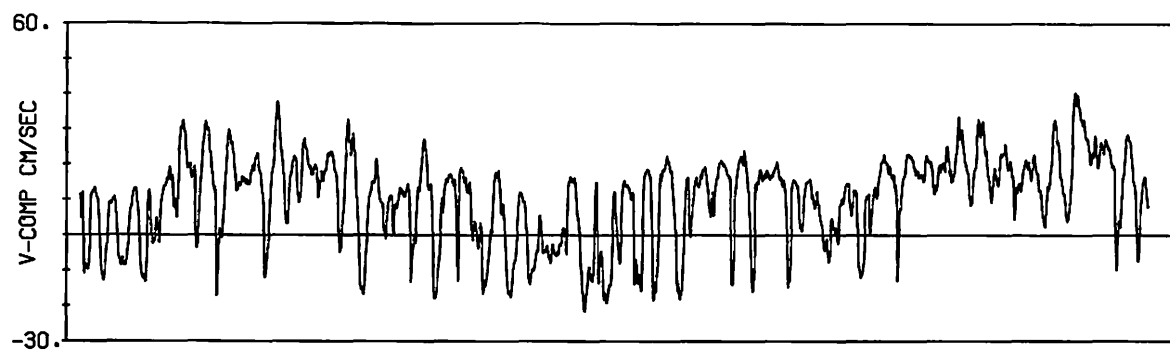


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OFFSHORE 23 METERS

11/16/71

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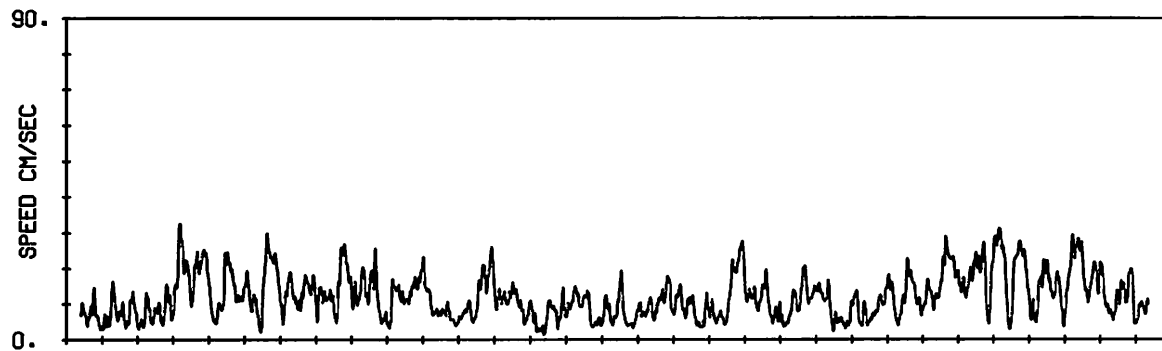
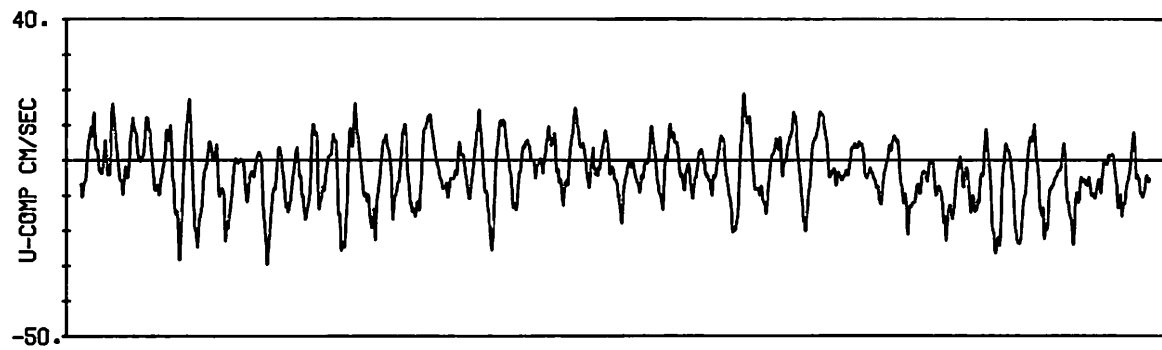
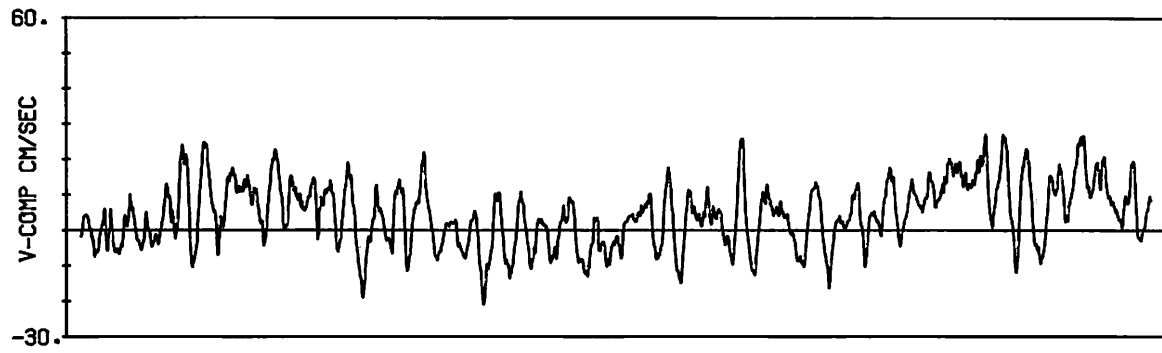


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OFFSHORE 111 METERS

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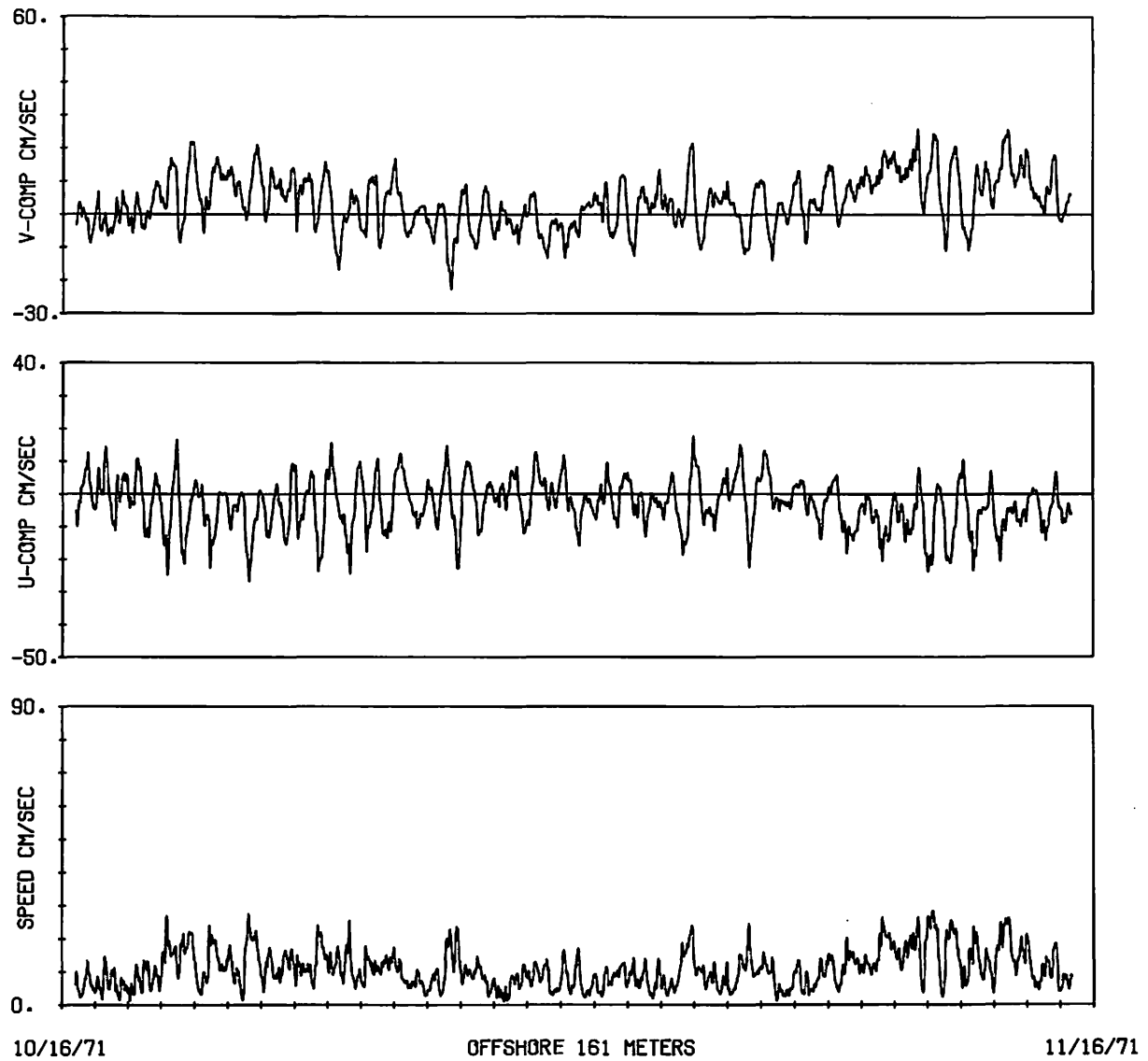


10/16/71

OFFSHORE 156 METERS

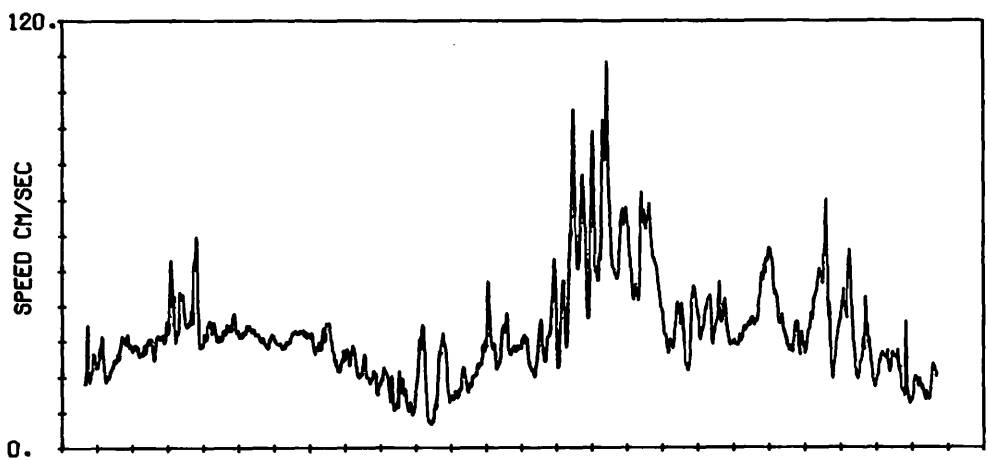
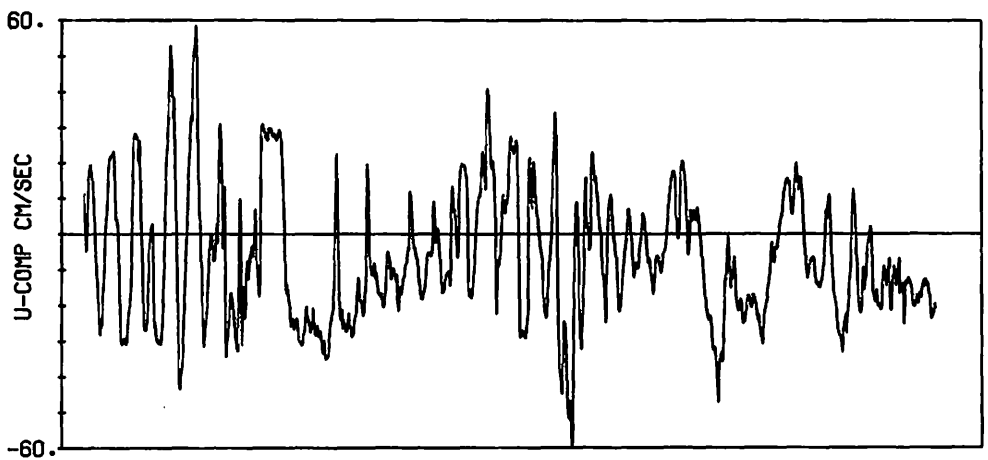
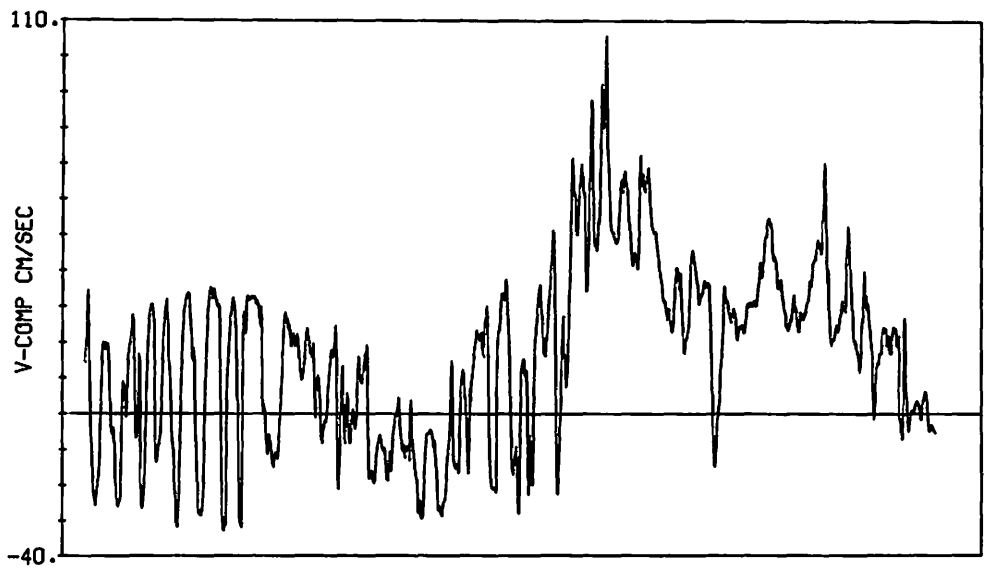
11/16/71

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A - 30

A-31

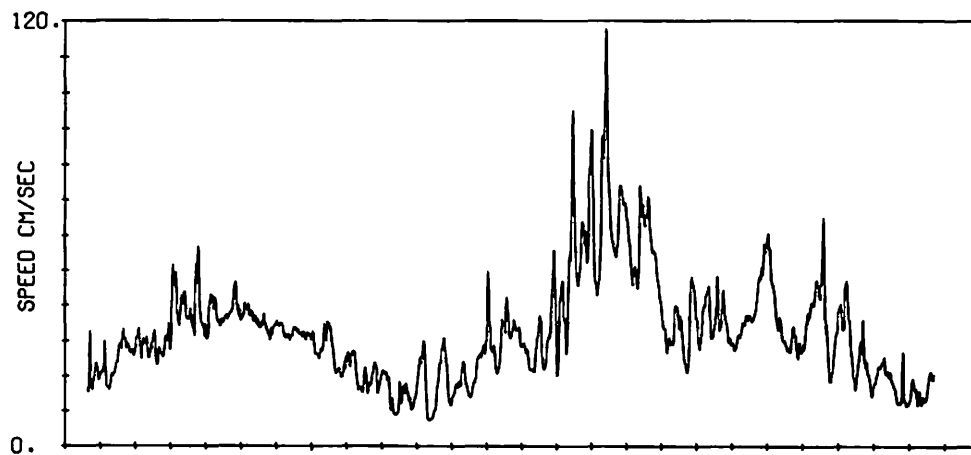
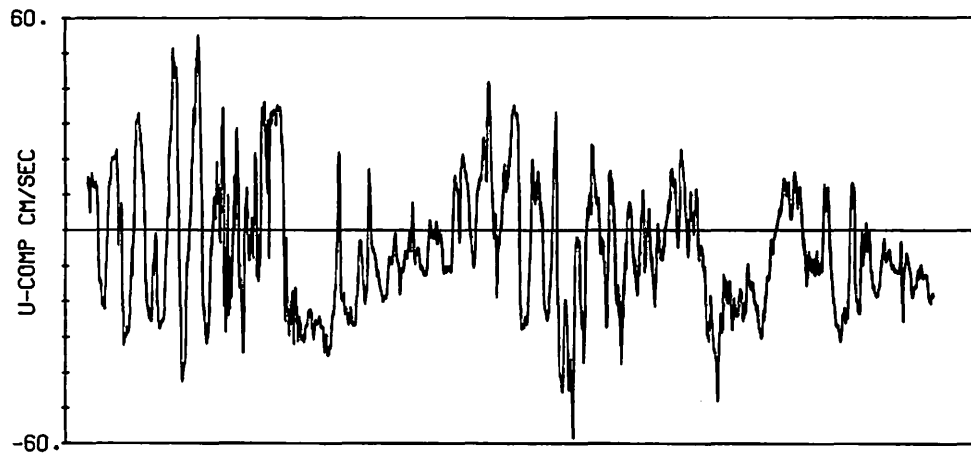
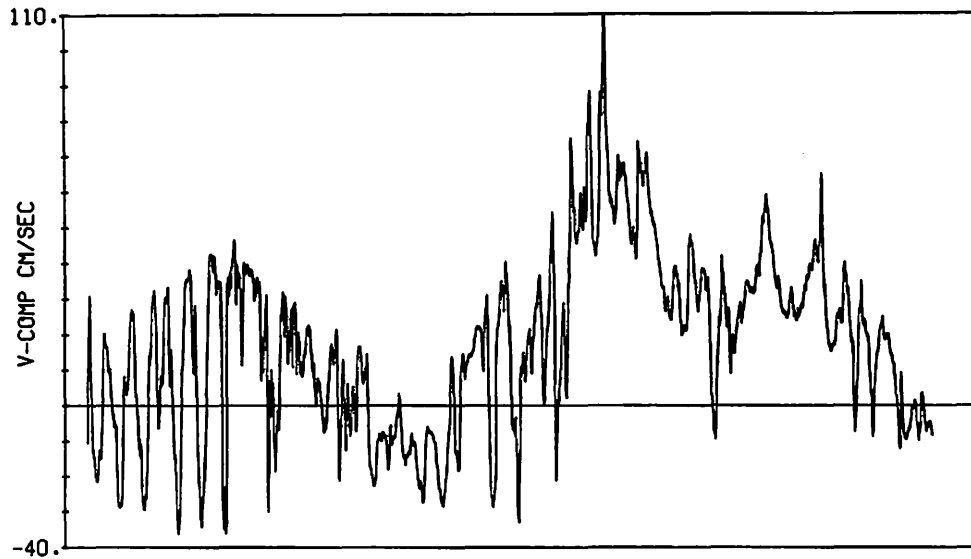


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INSHORE 15 METERS

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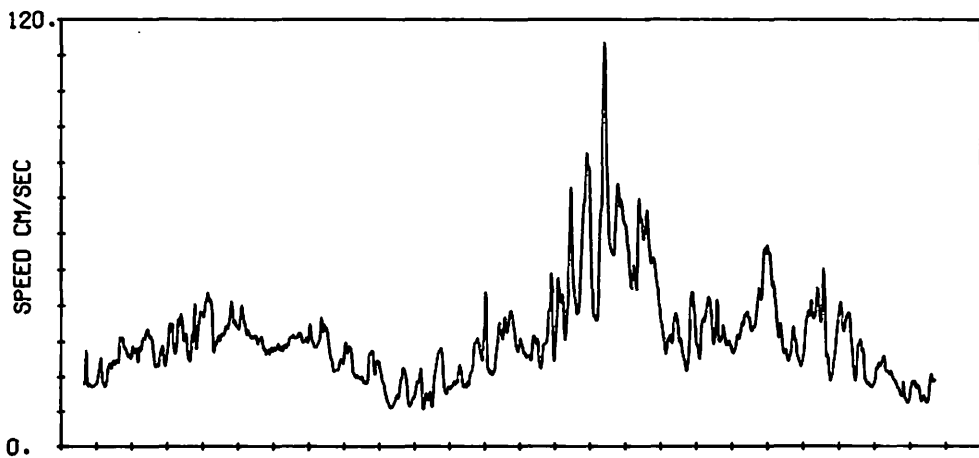
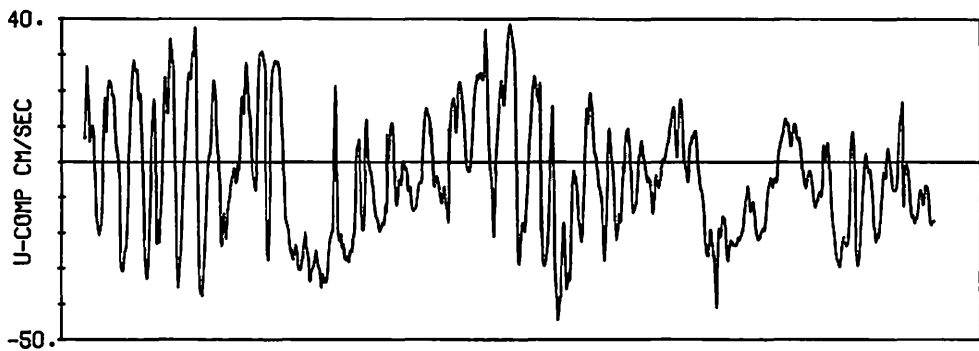
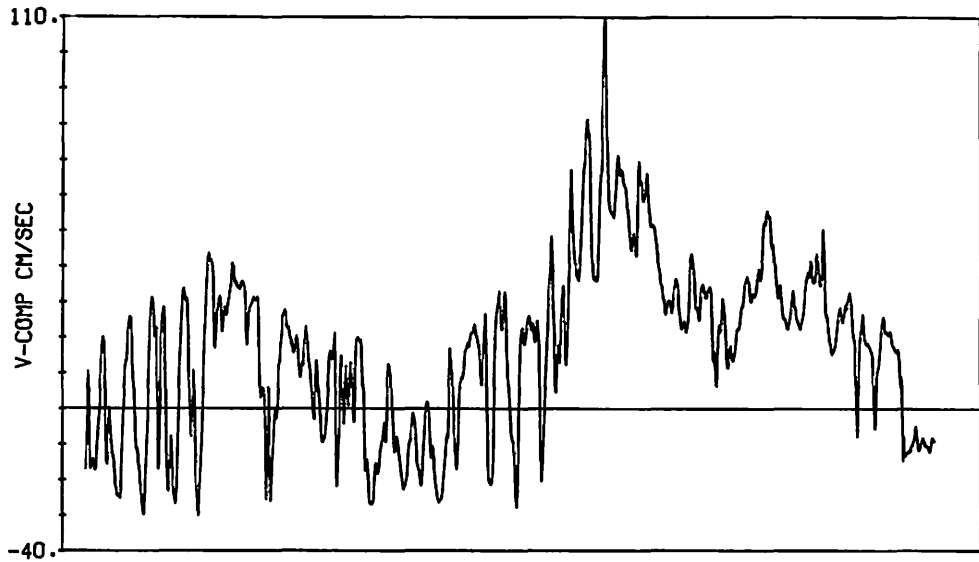


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INSHORE 16 METERS

01/31/72

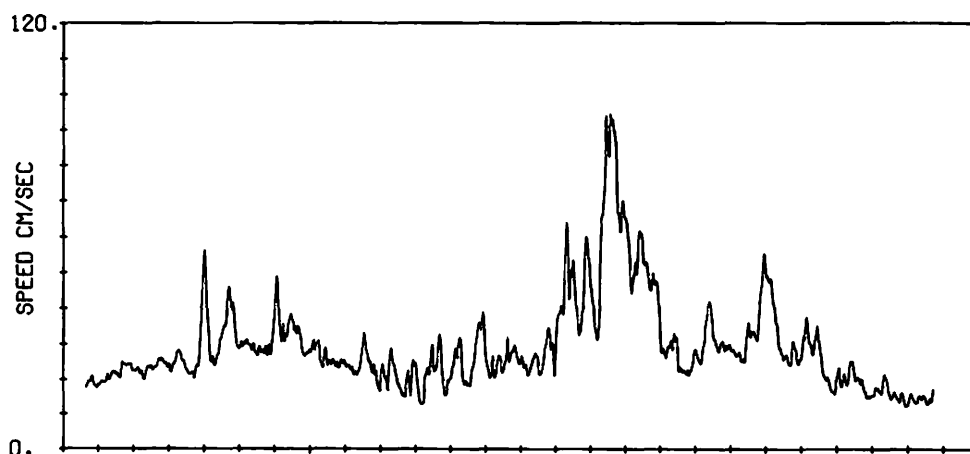
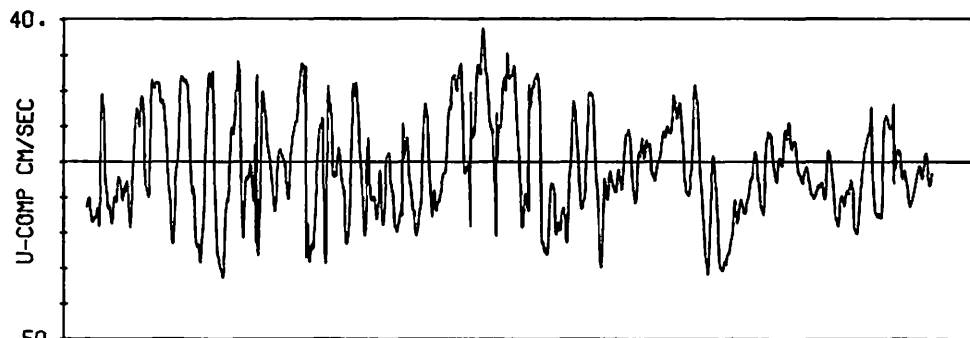
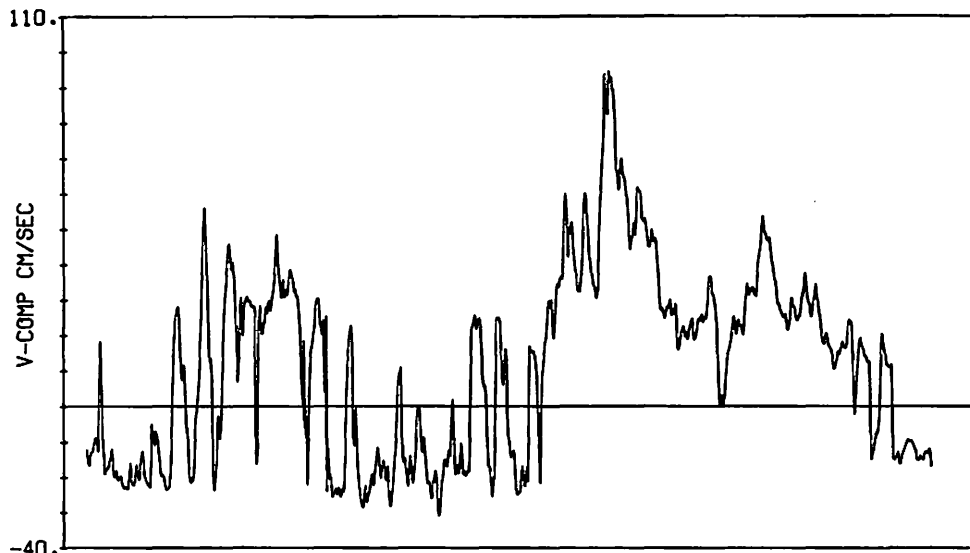
A-33



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INSHORE 20 METERS

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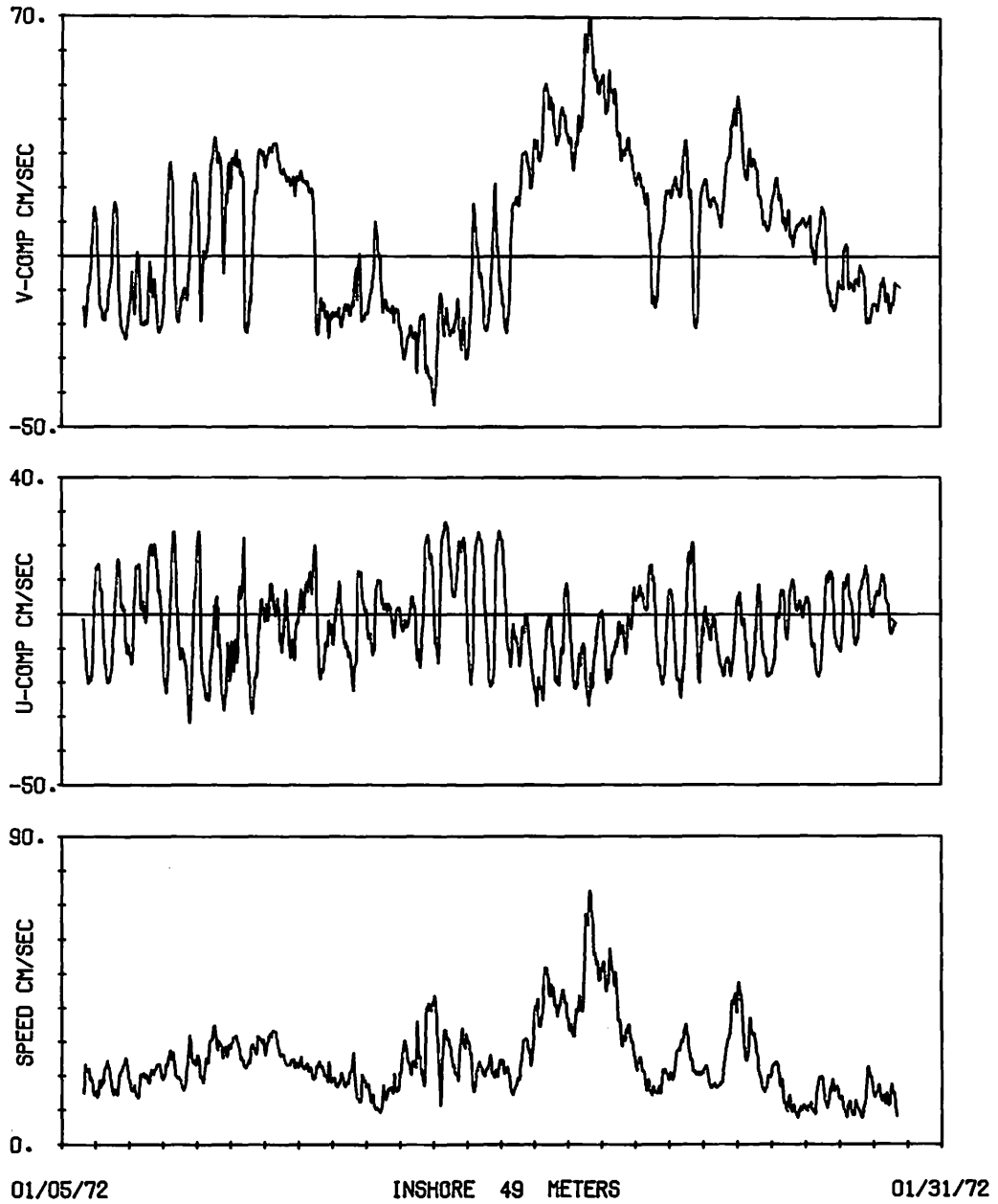


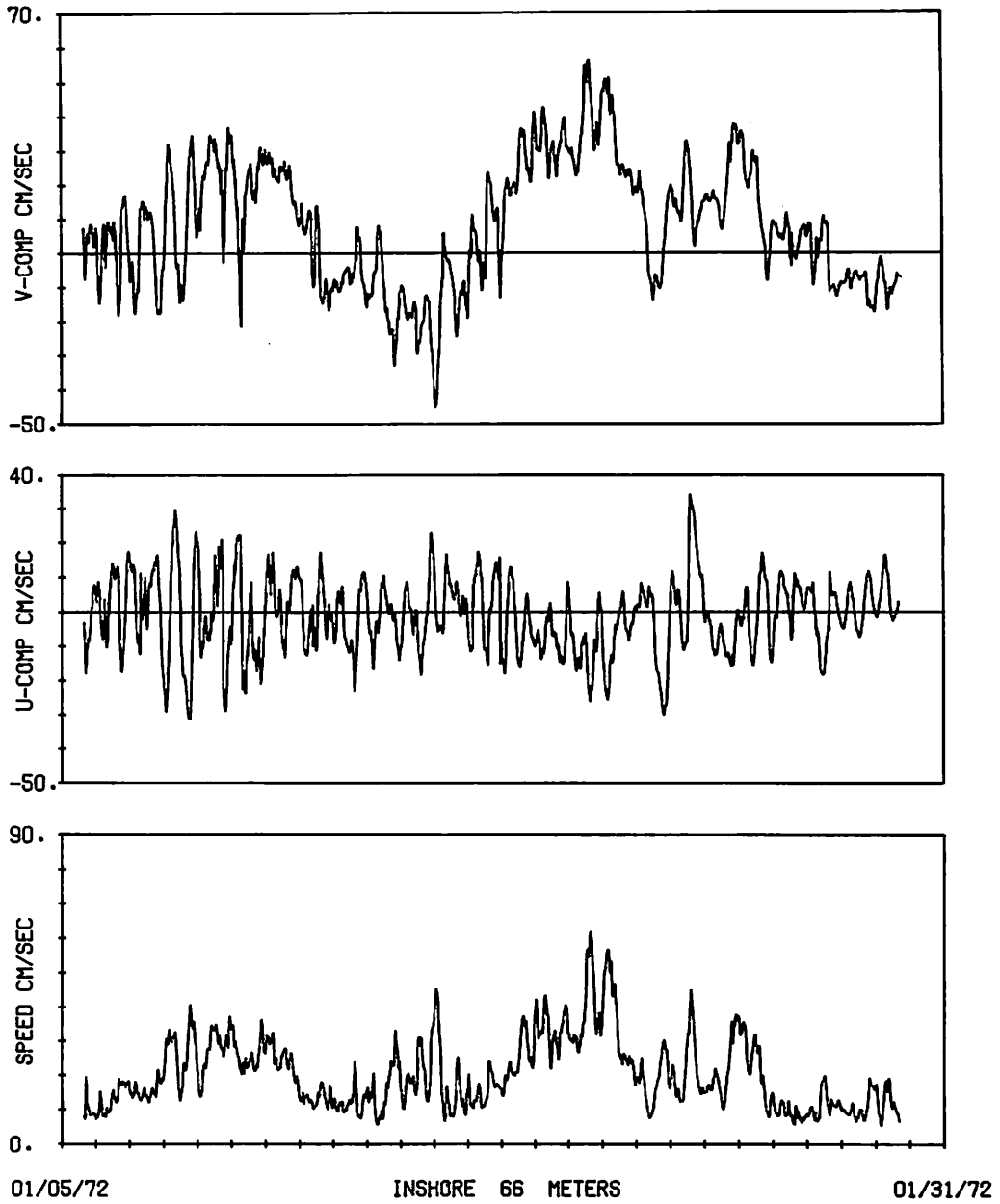
01/05/72

INSHORE 30 METERS

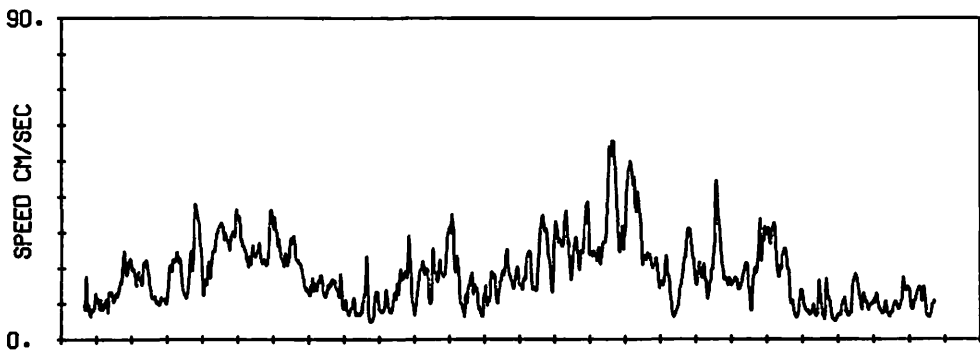
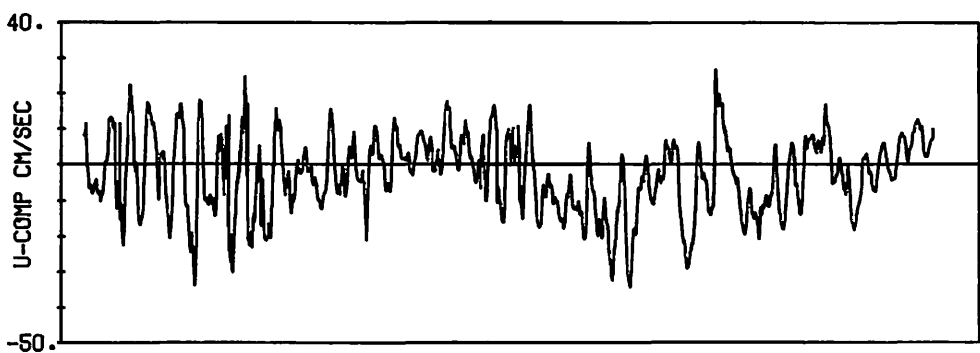
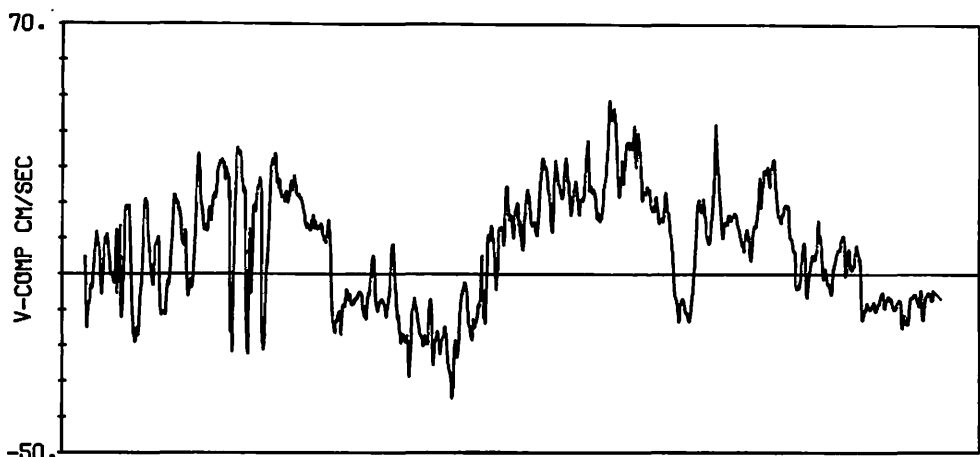
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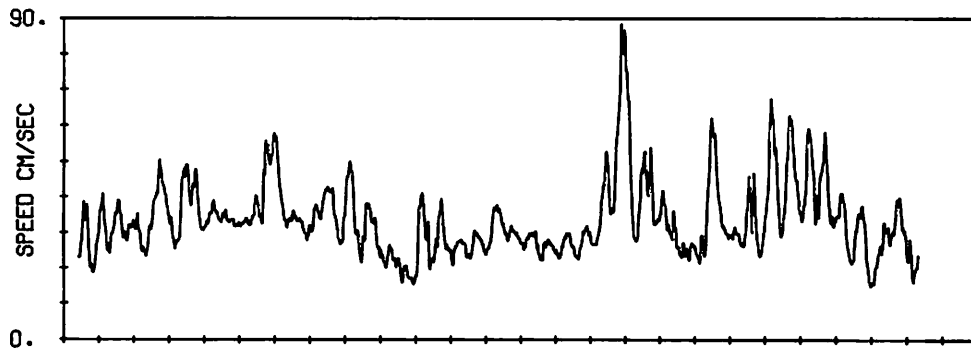
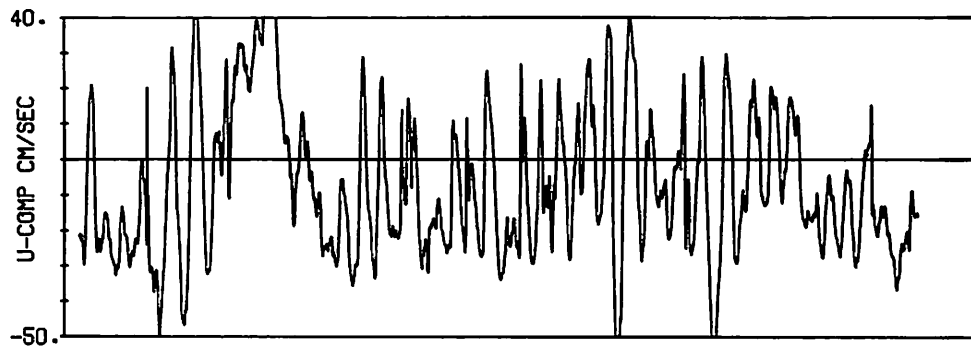
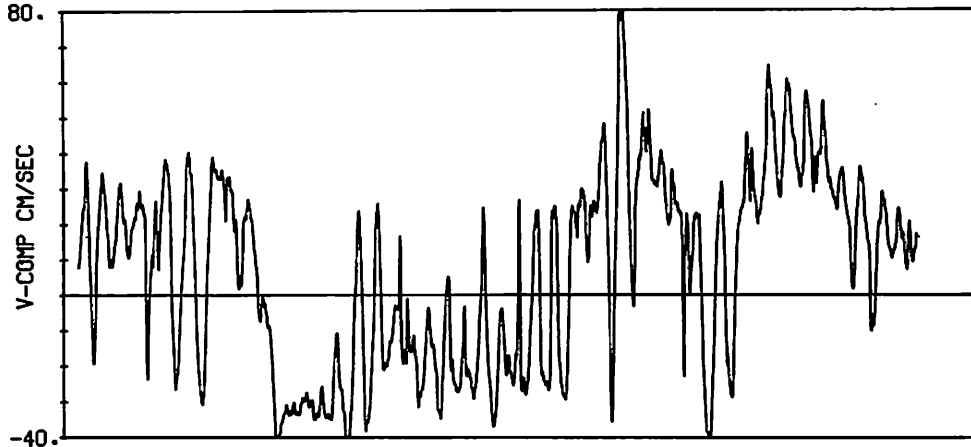
A-37



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INSHORE 71 METERS

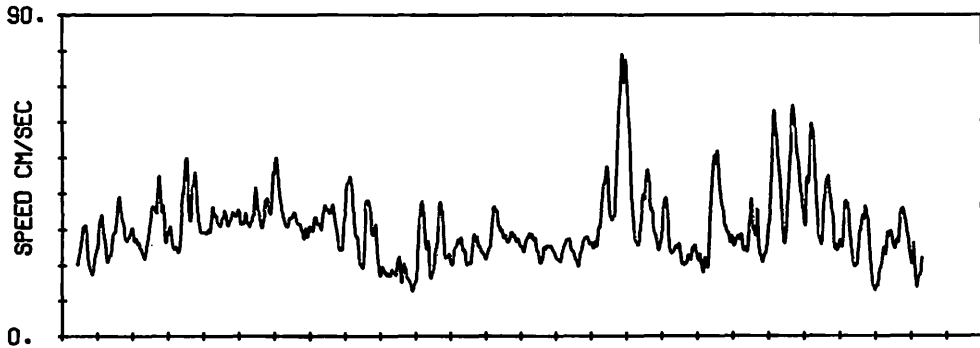
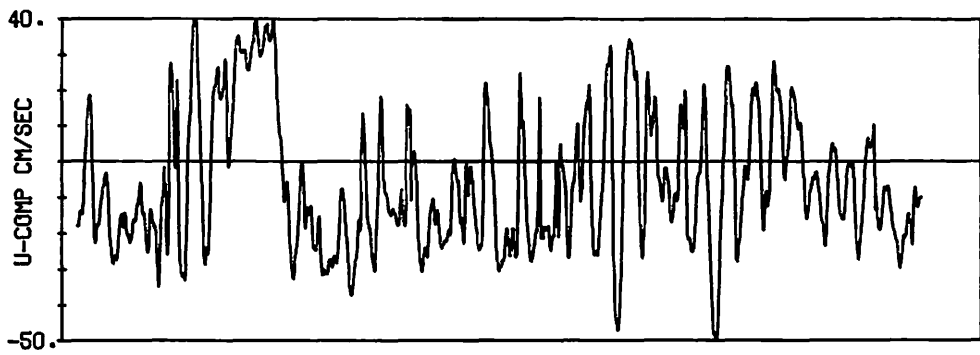
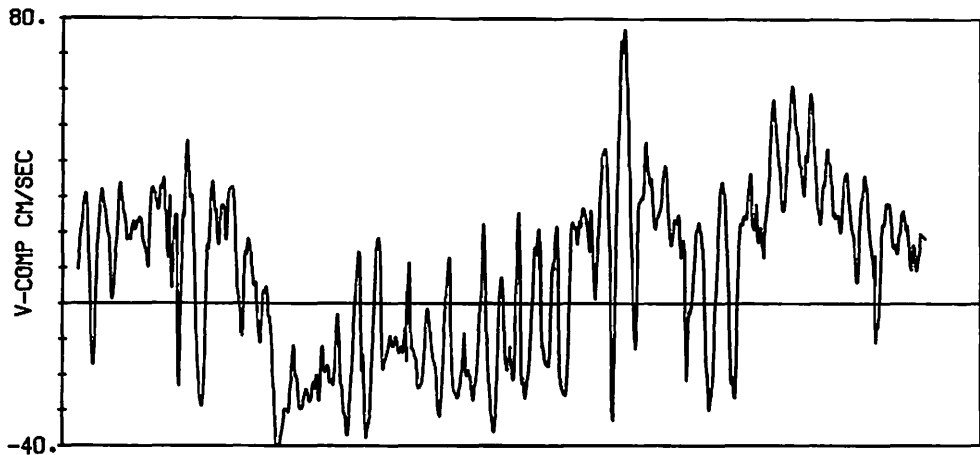
01/31/72



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OFFSHORE 13 METERS

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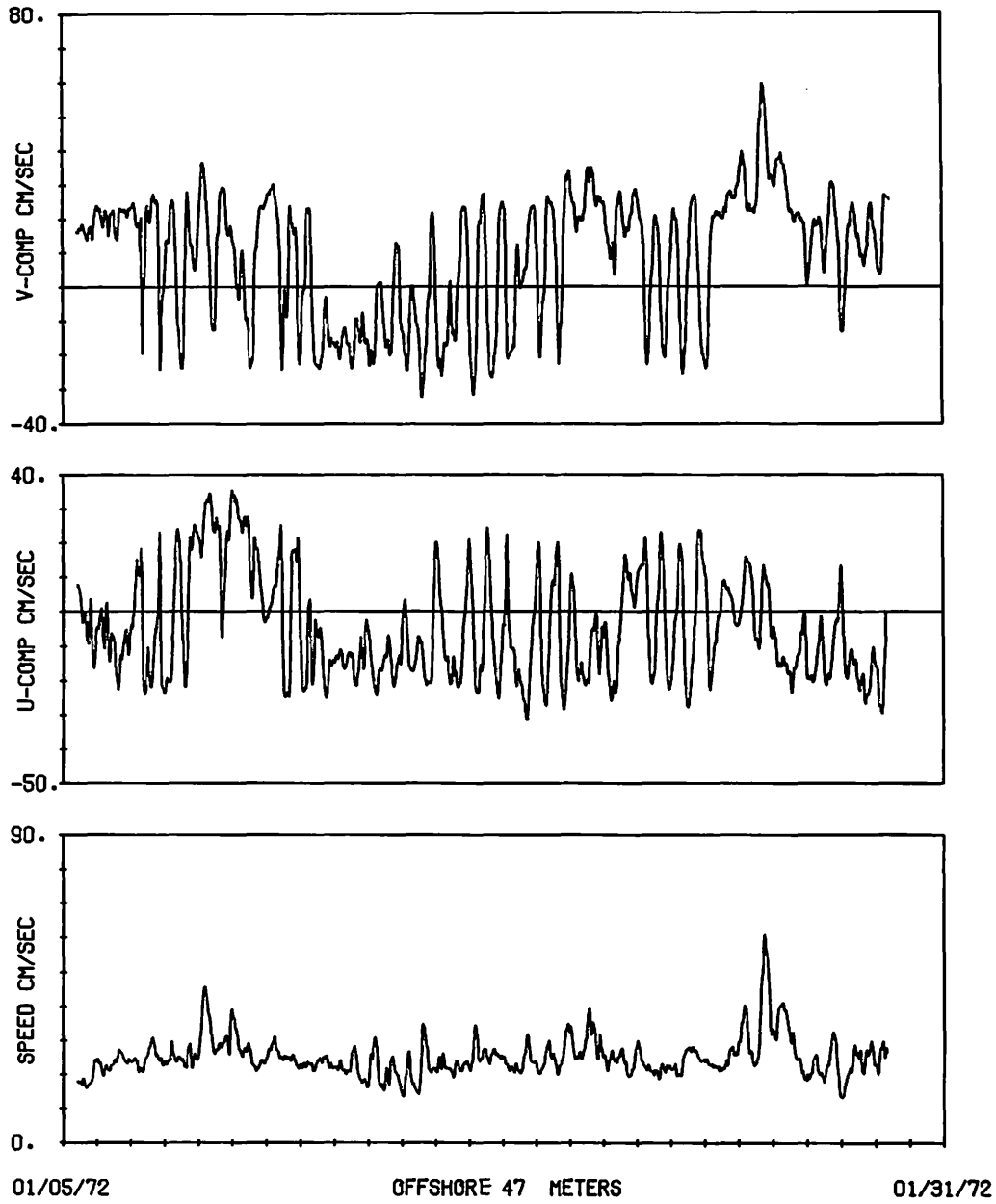


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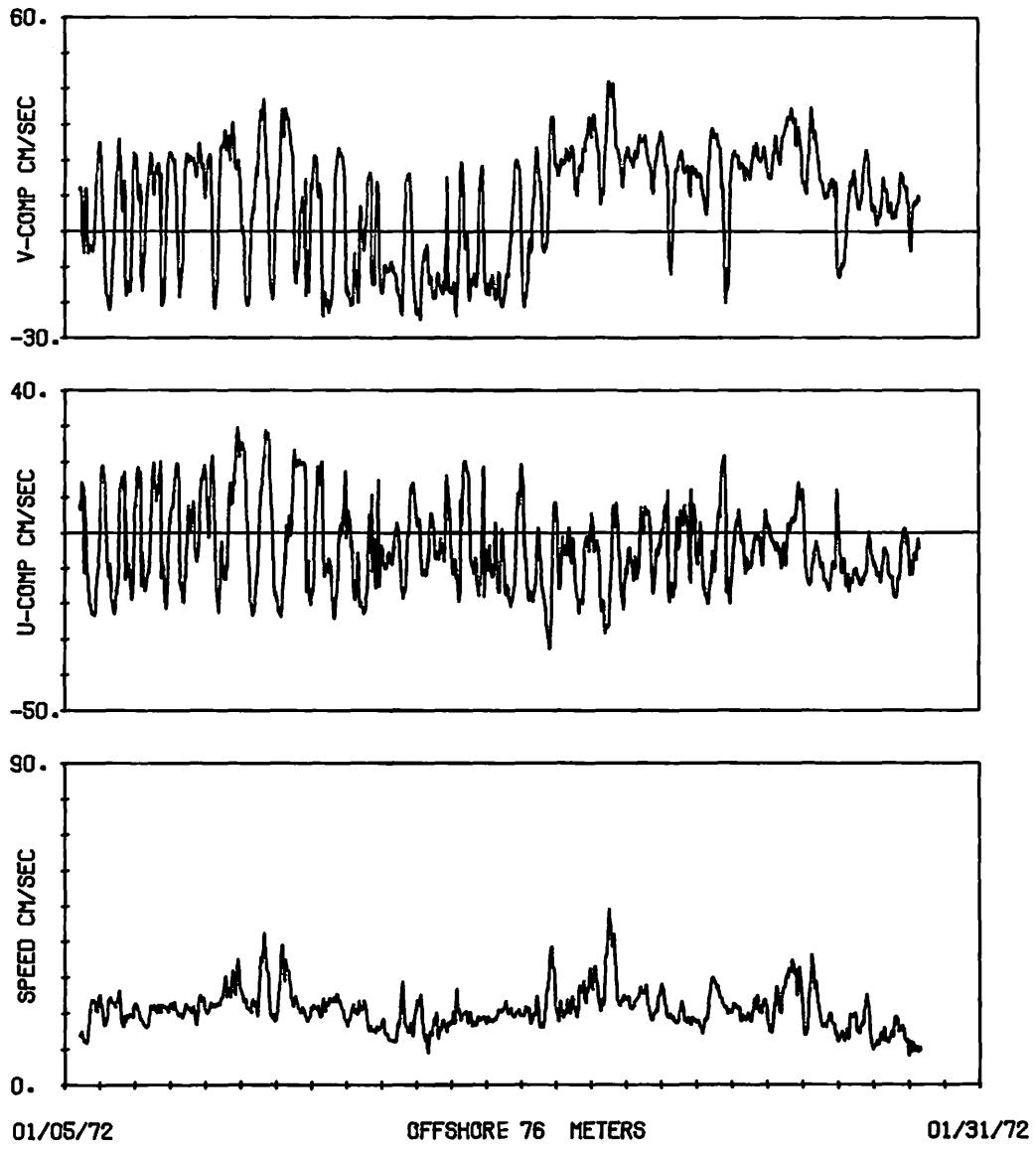
OFFSHORE 18 METERS

01/31/72

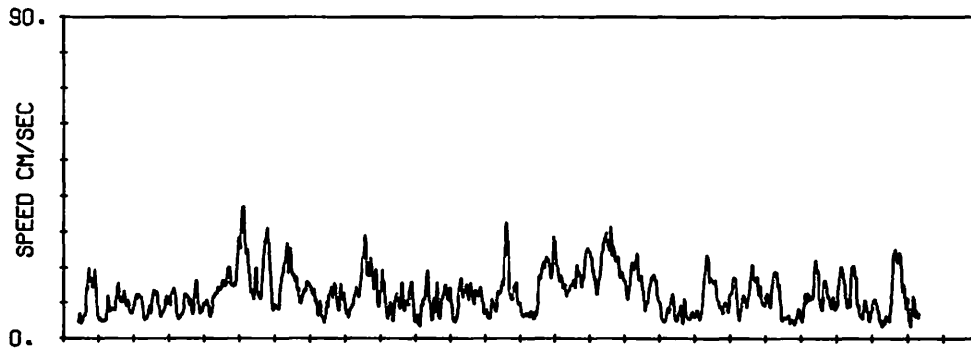
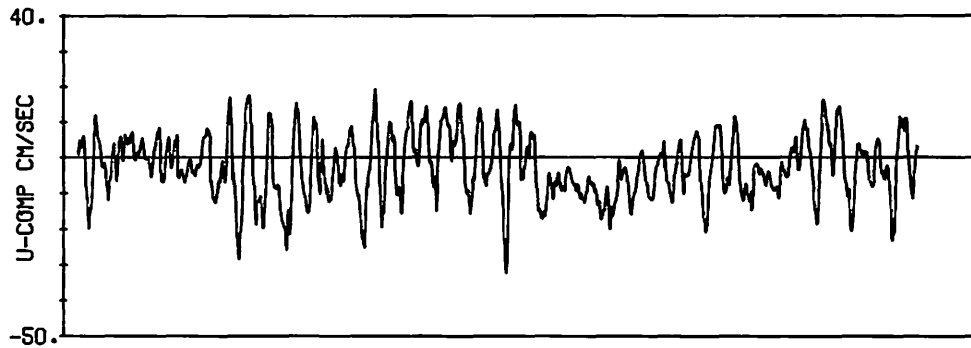
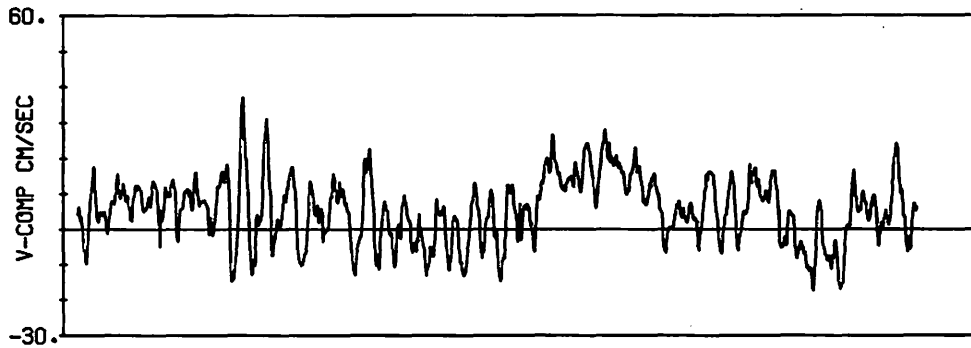
A-40



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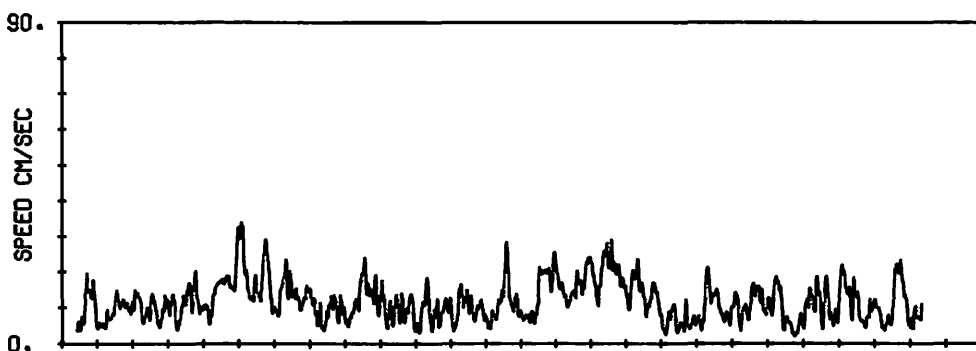
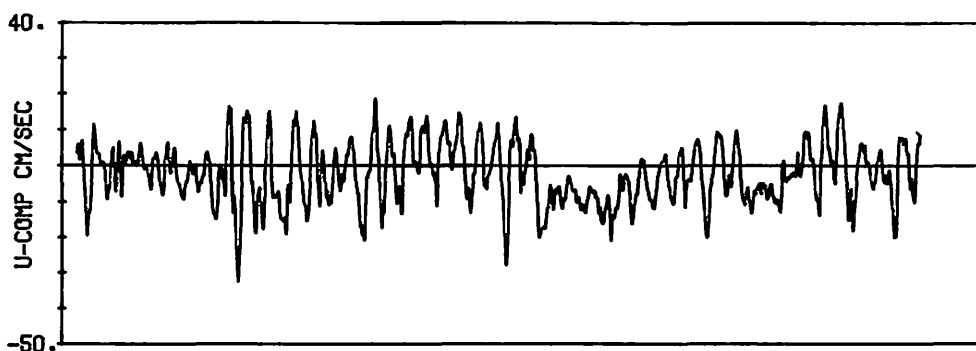
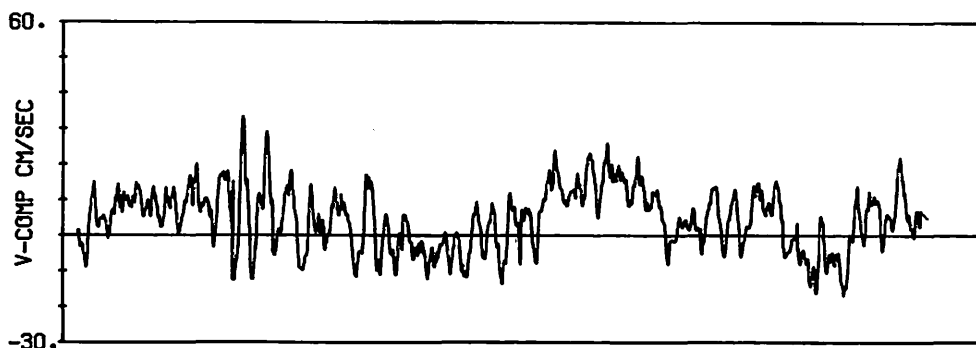


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OFFSHORE 121 METERS

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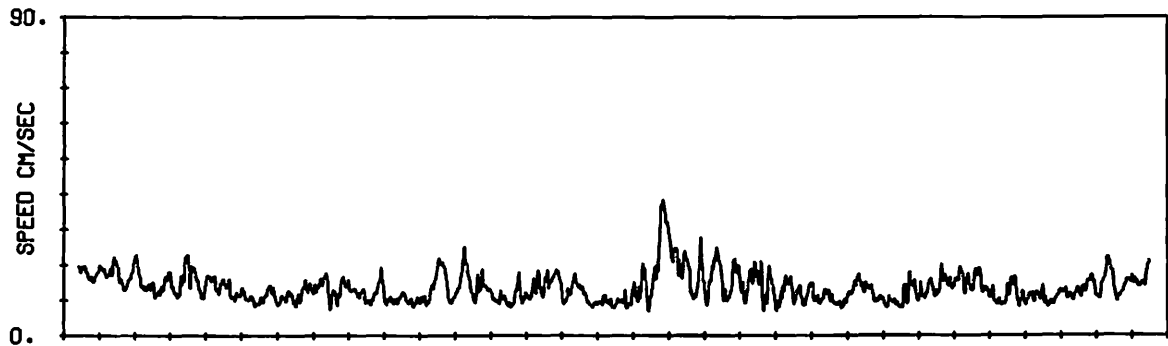
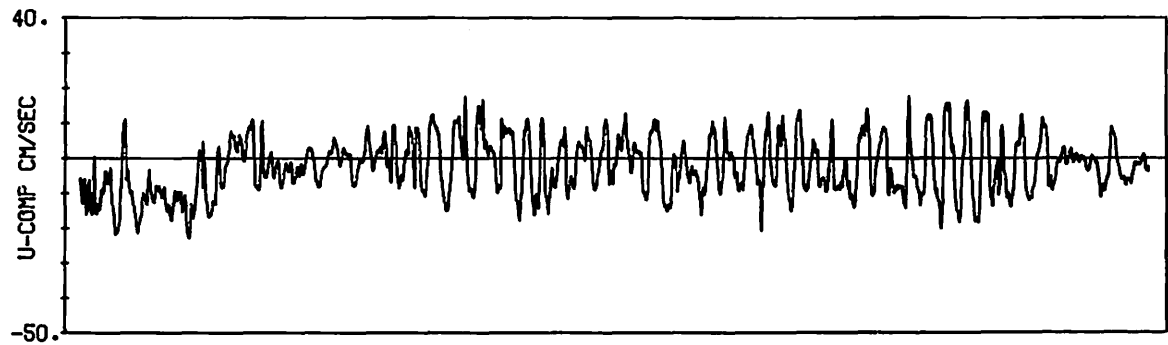
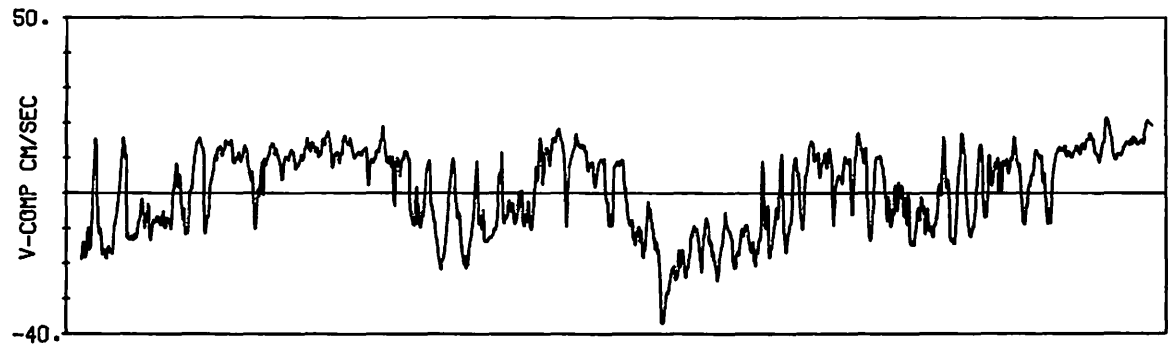
A-43



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OFFSHORE 126 METERS

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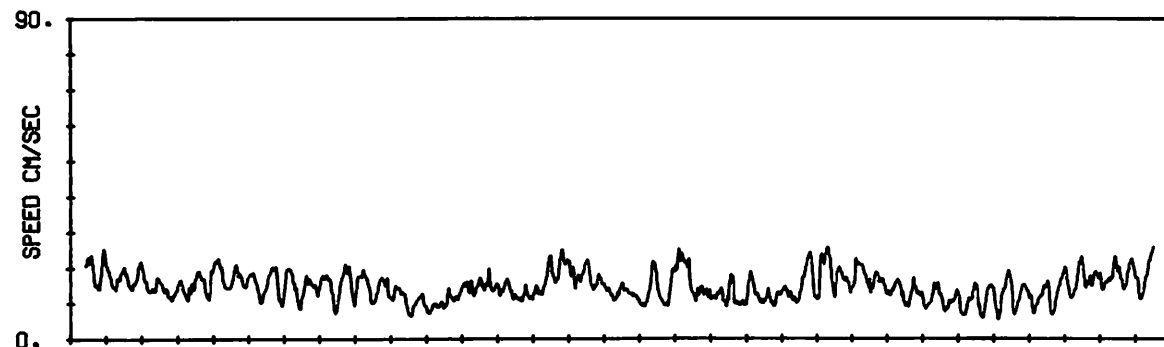
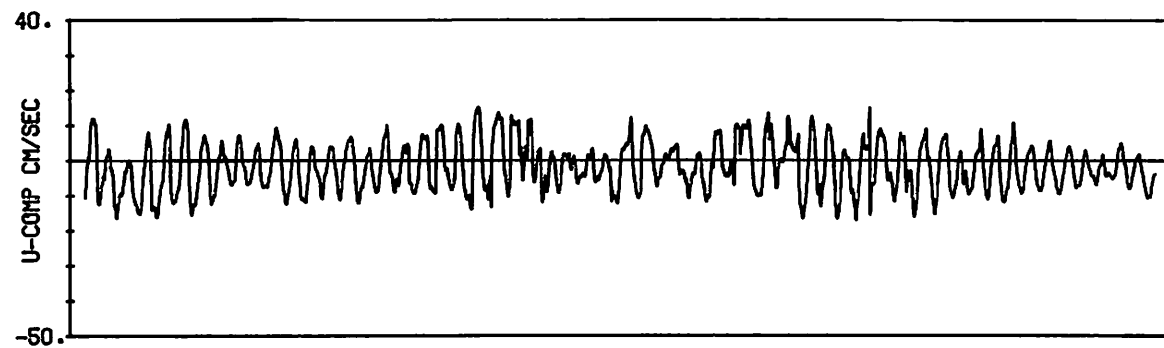
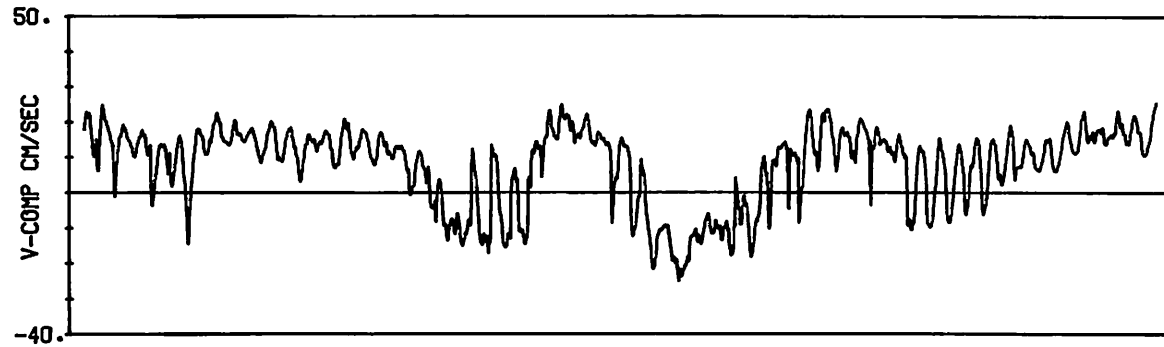


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INSHORE 21 METERS

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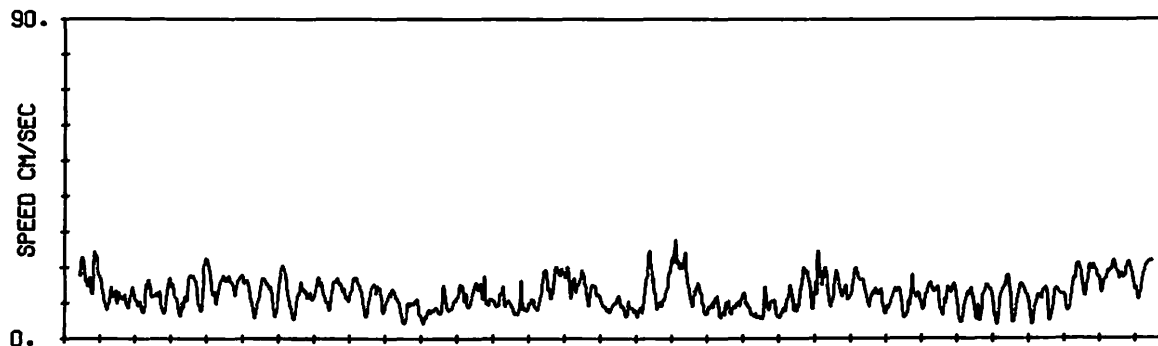
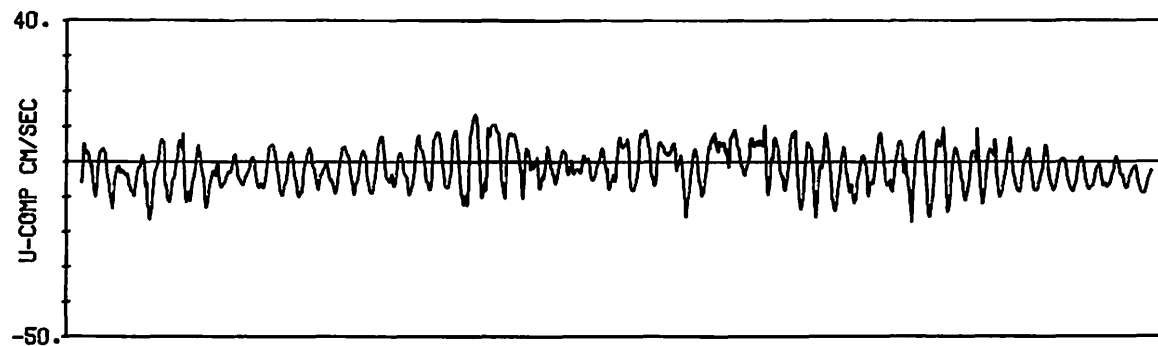
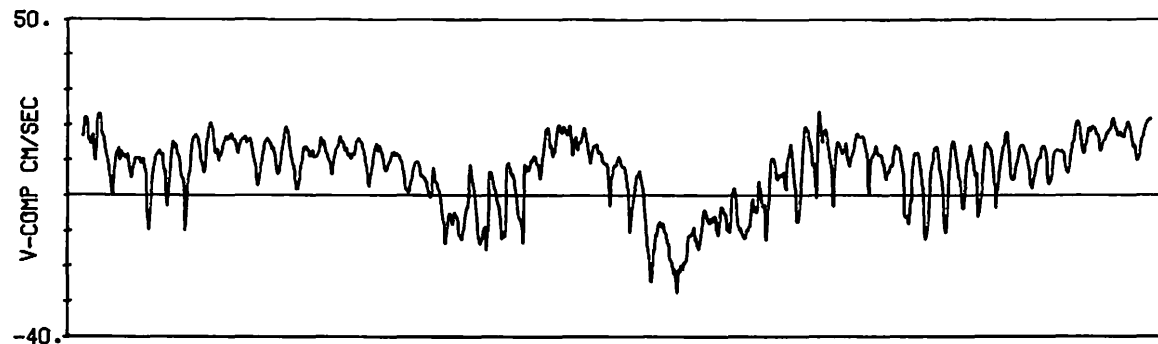


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INSHORE 51 METERS

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A-45

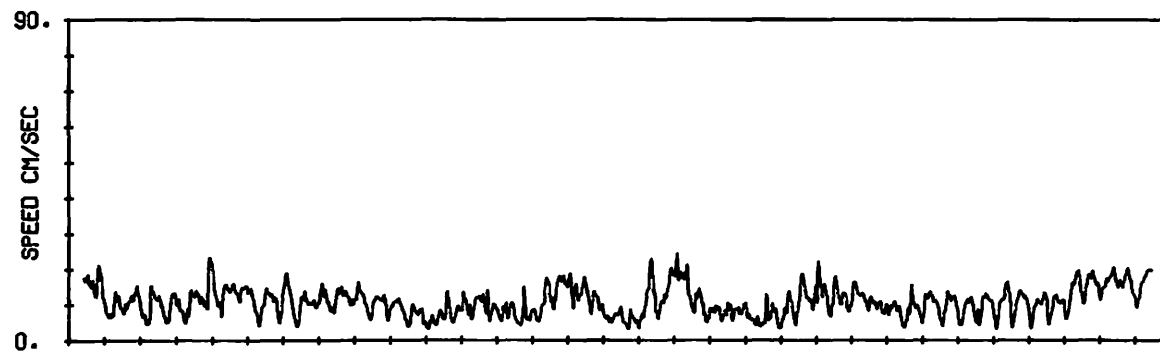
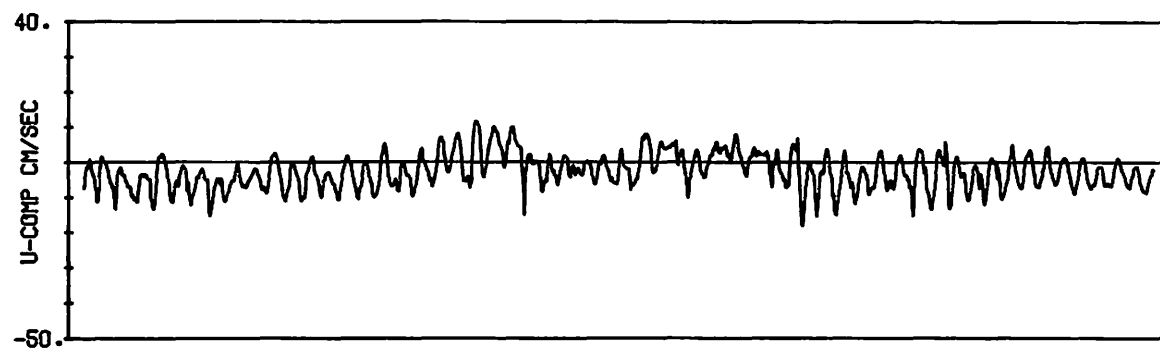
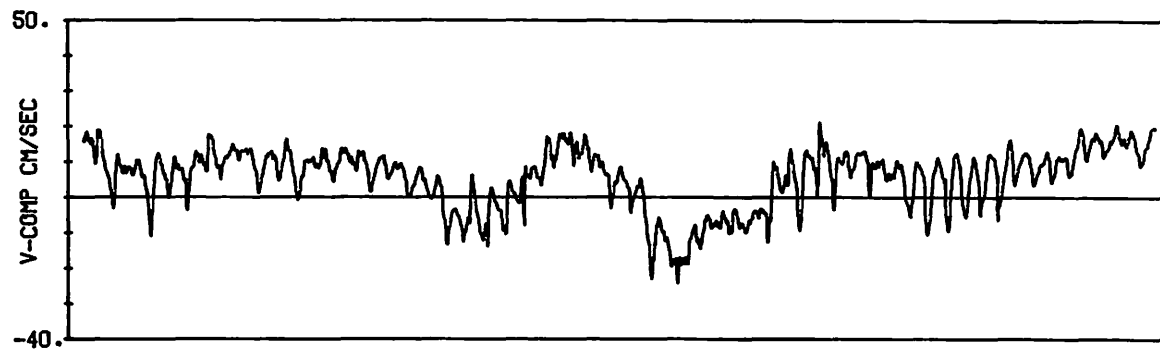


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INSHORE 67 METERS

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A-46

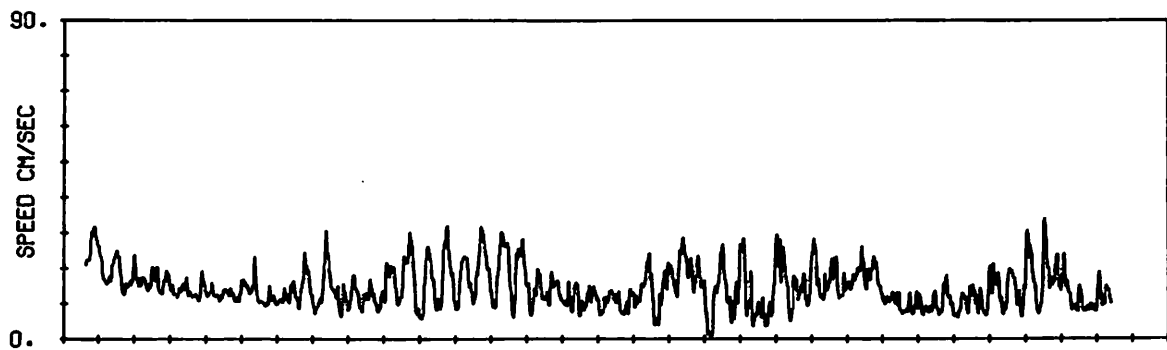
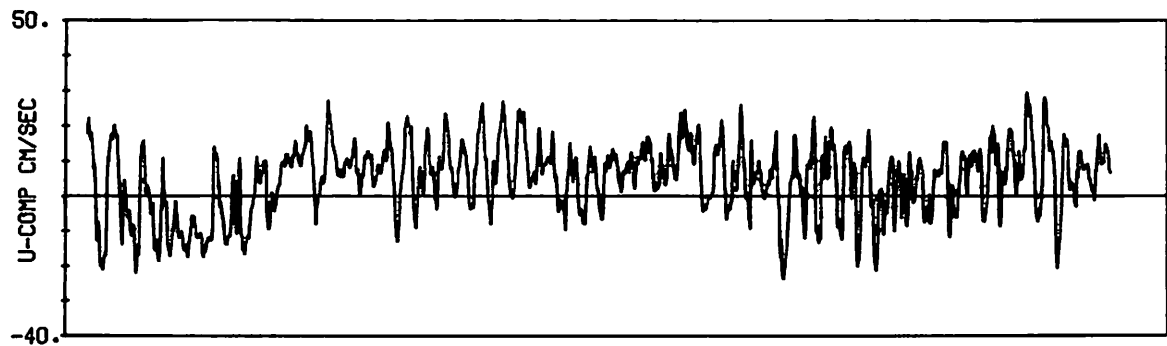
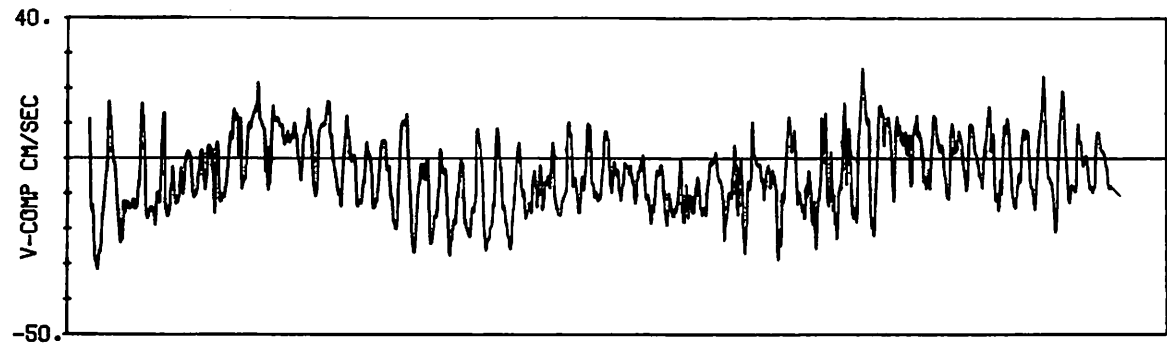


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INSHORE 72 METERS

08/18/72

A-47

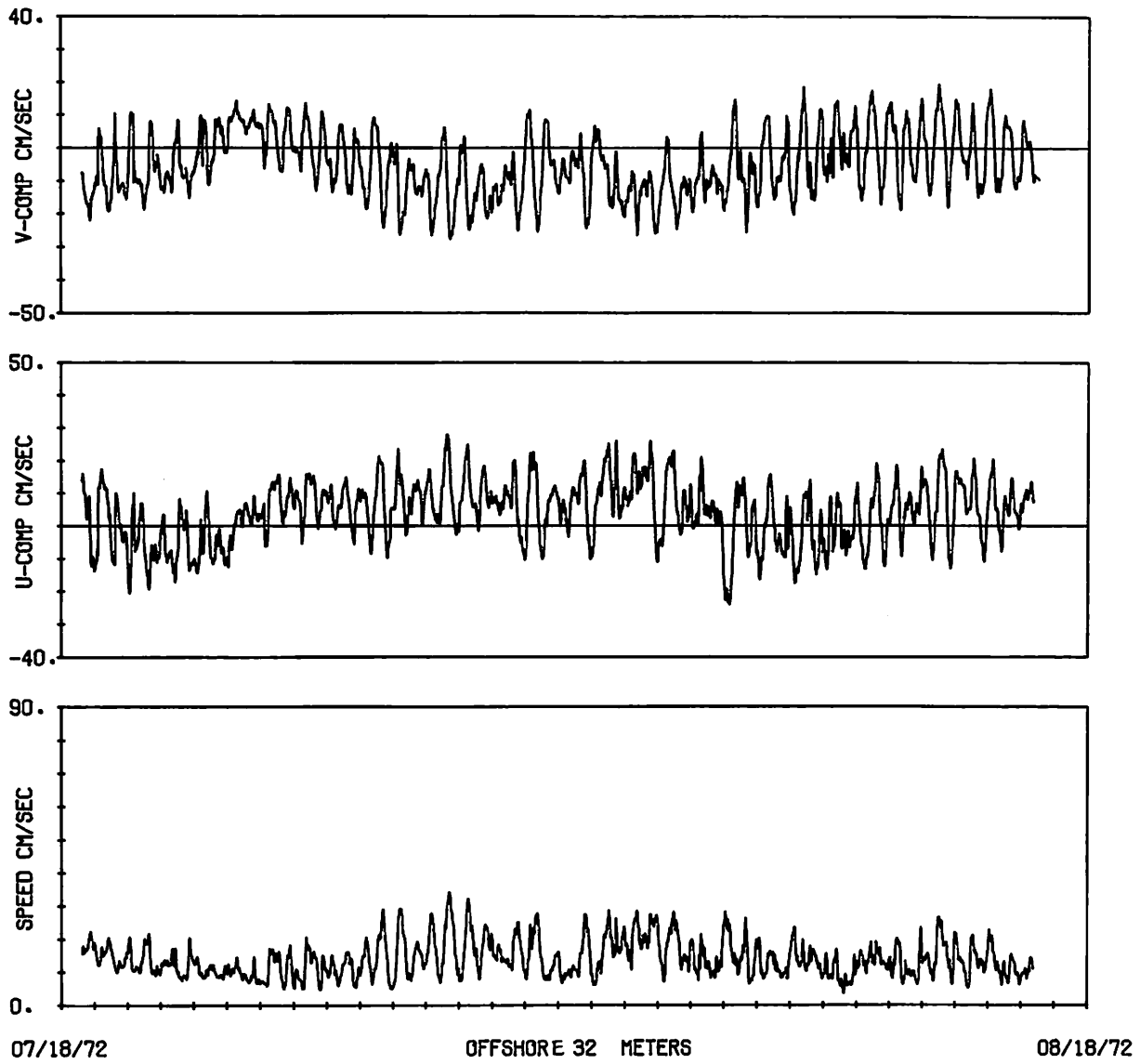


07/18/72

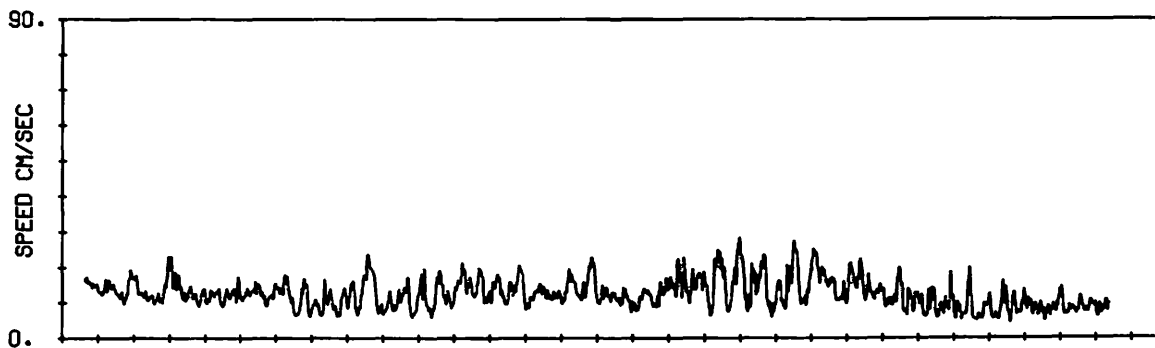
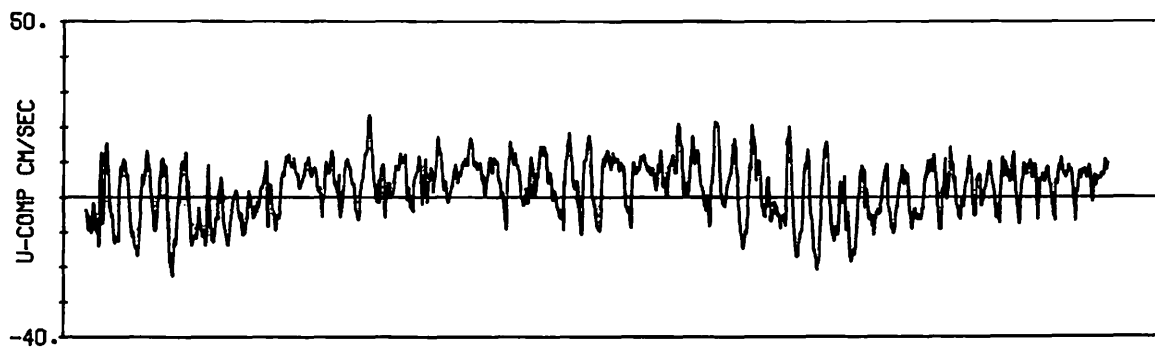
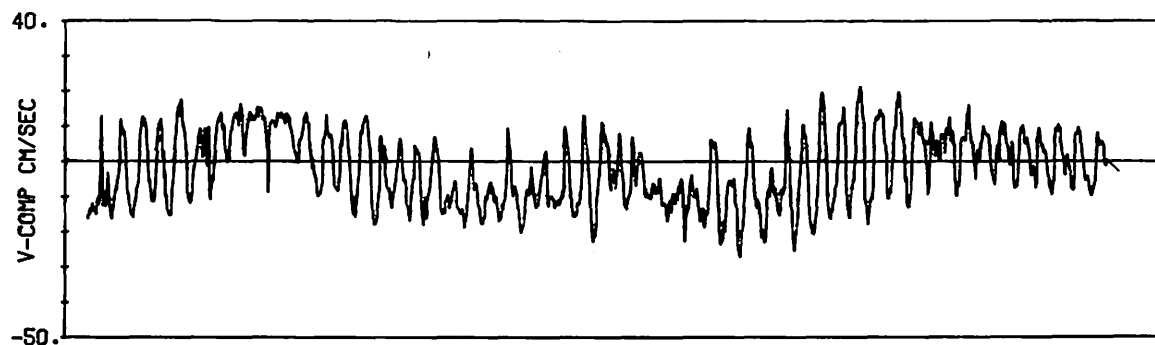
OFFSHORE 21 METERS

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A-48



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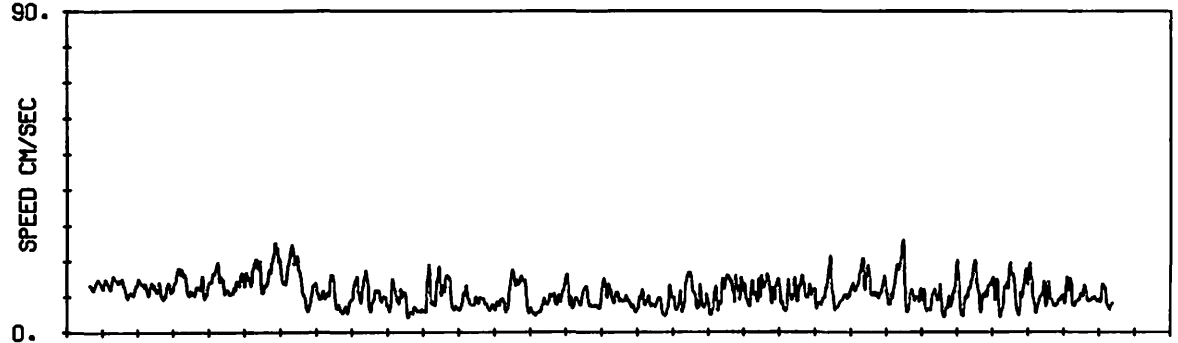
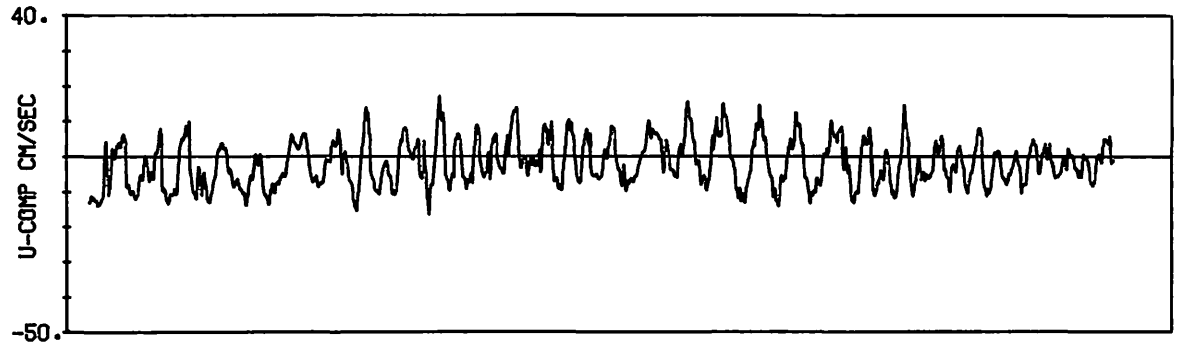
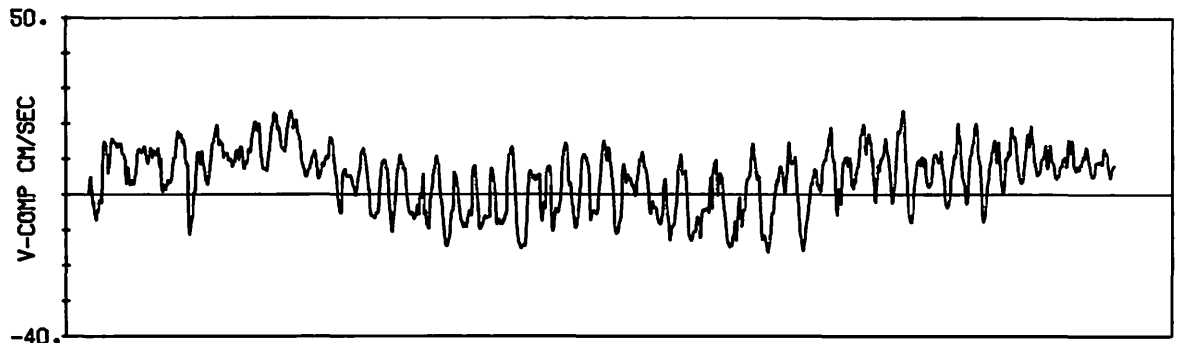


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OFFSHORE 57 METERS

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A-50

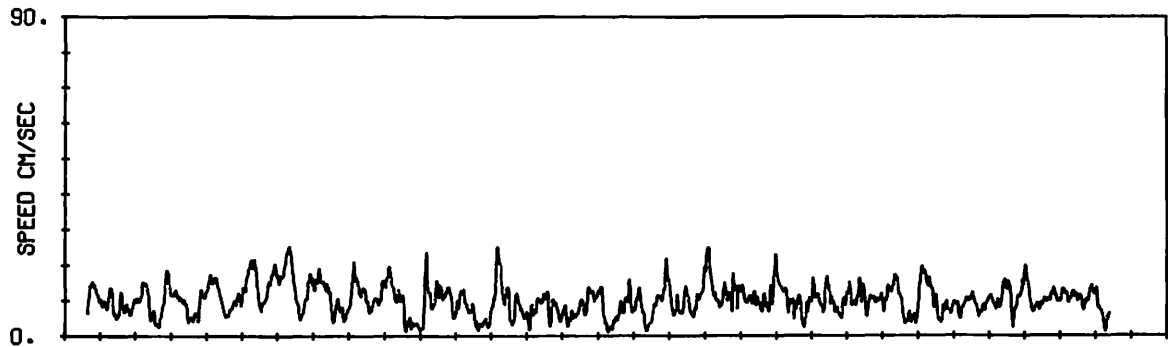
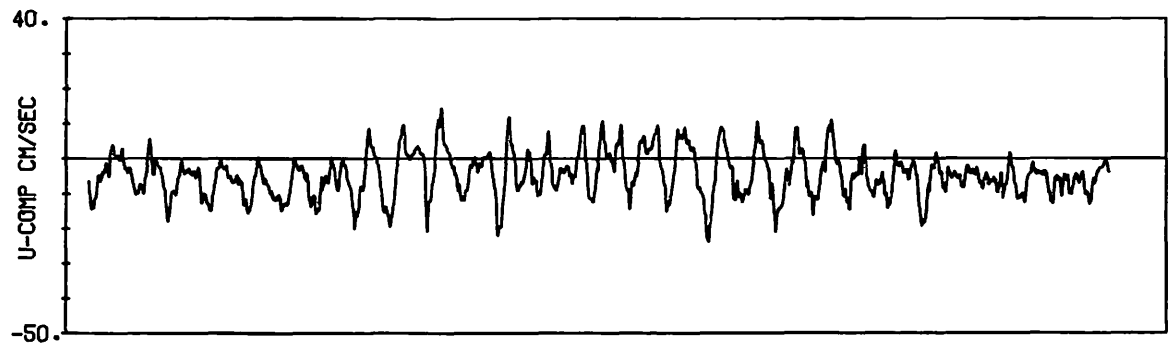
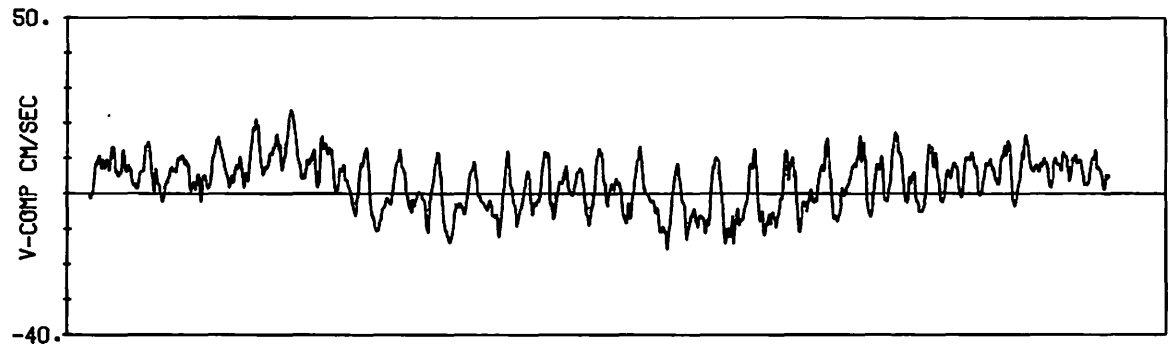


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OFFSHORE 112 METERS

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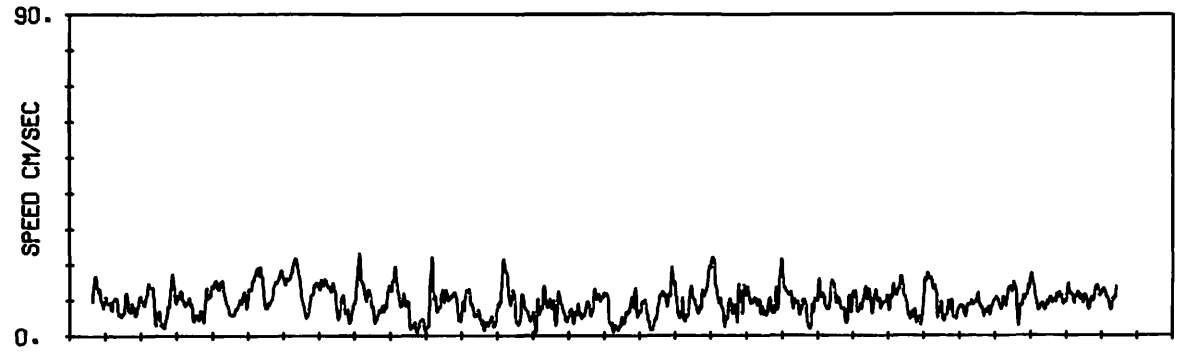
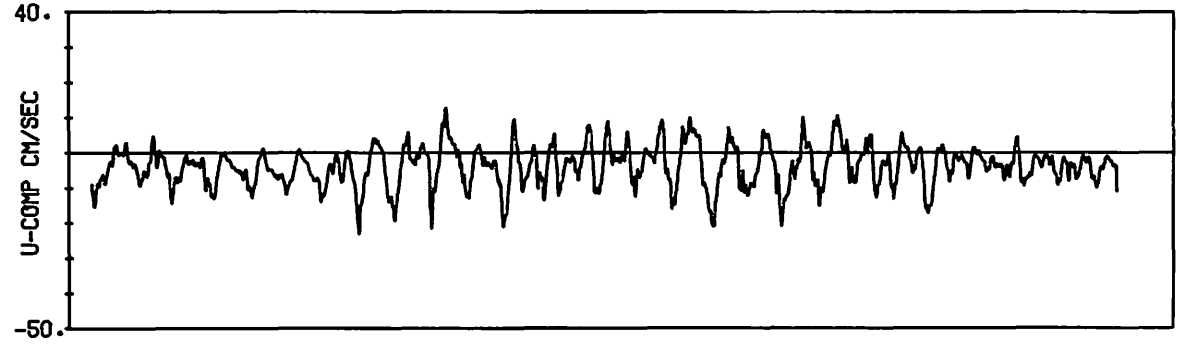
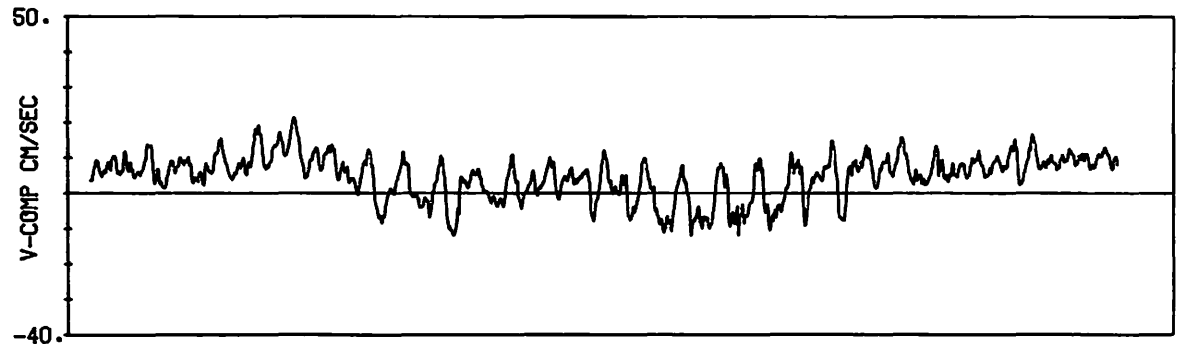


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OFFSHORE 157 METERS

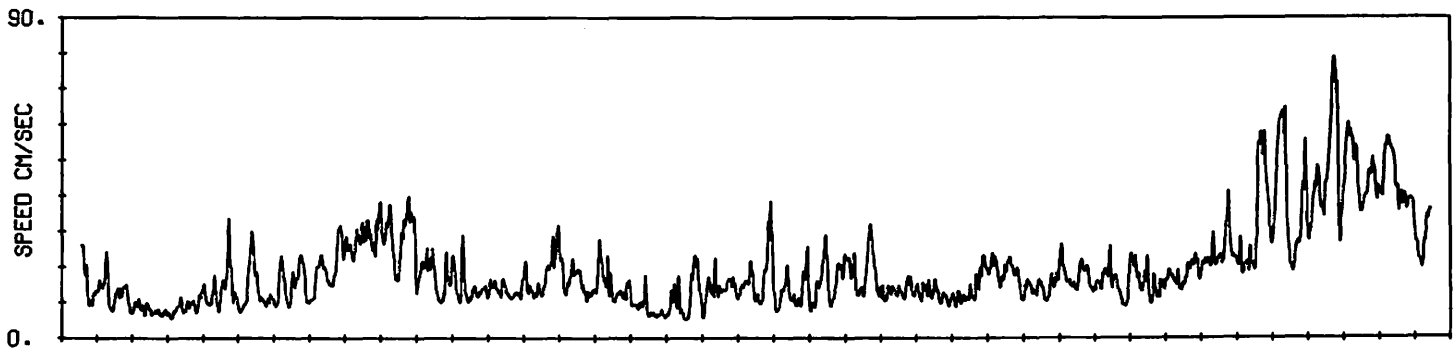
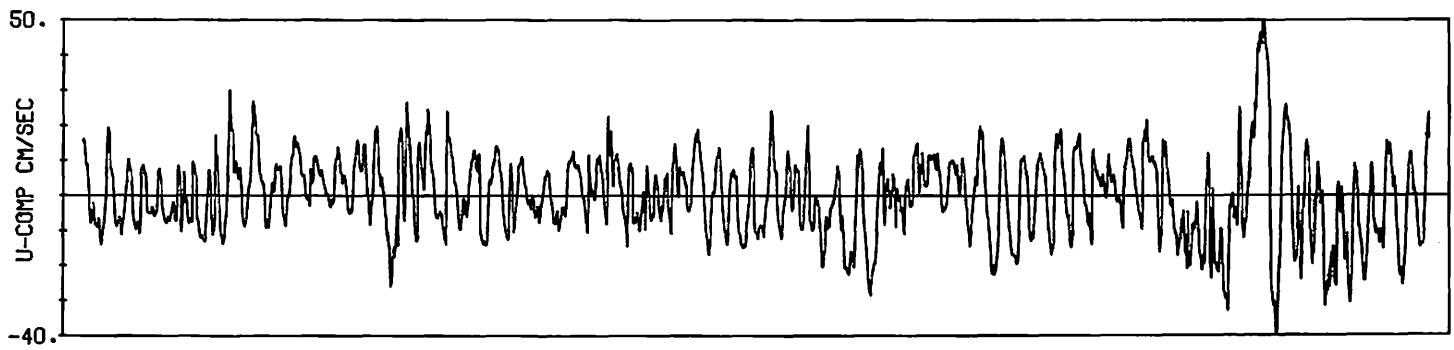
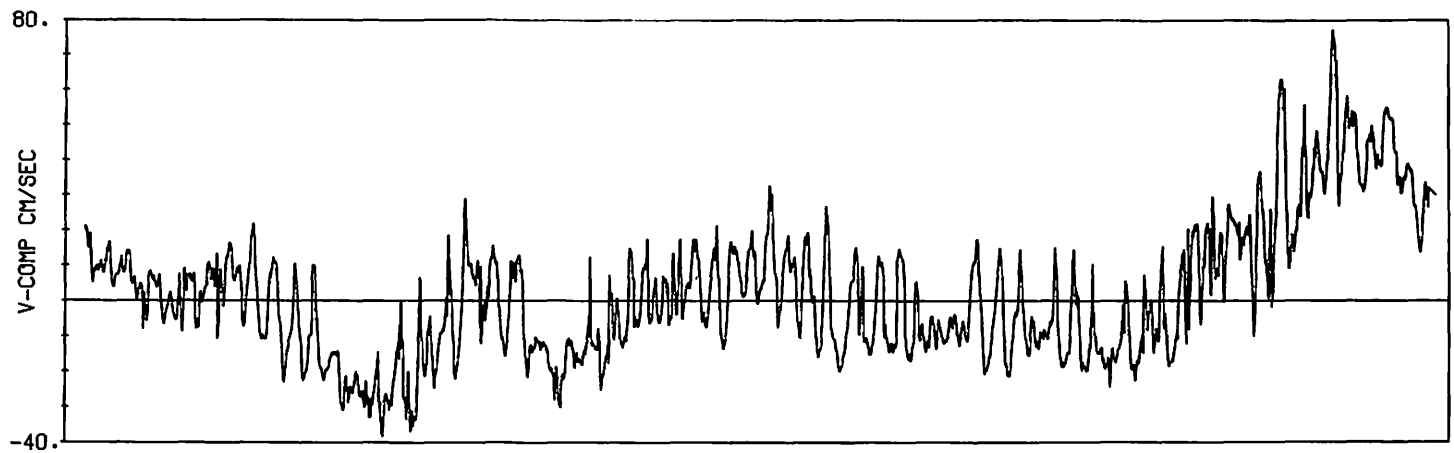
08/18/72

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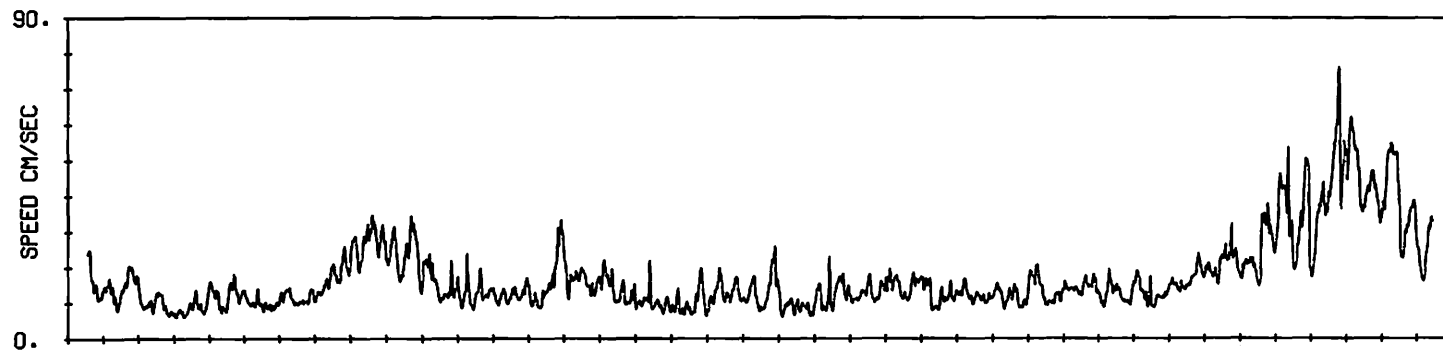
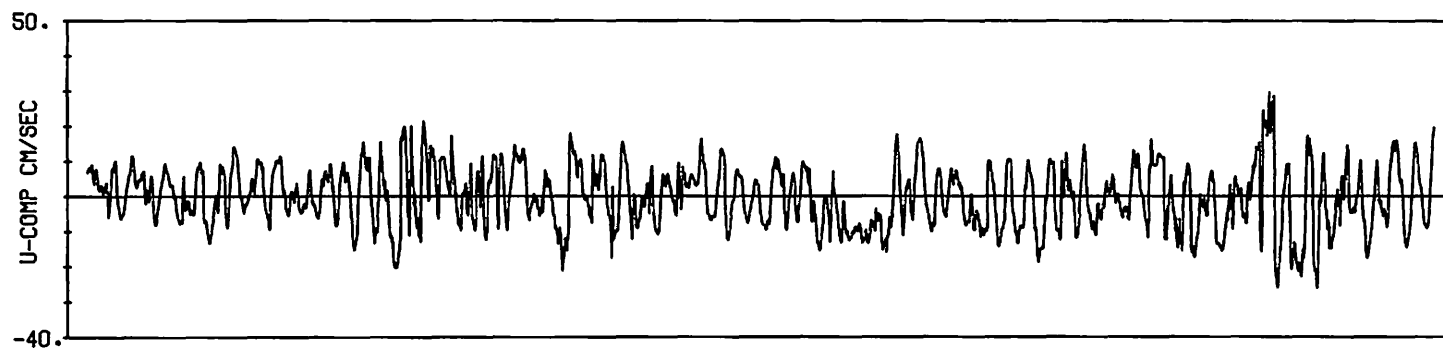
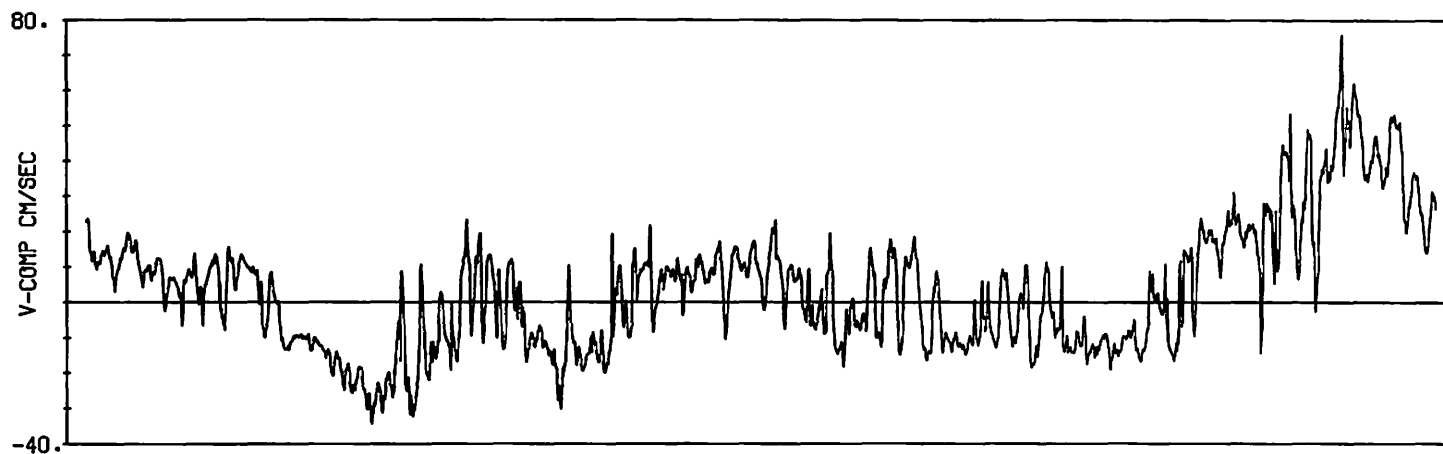


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INSHORE 14 METERS

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A - 54

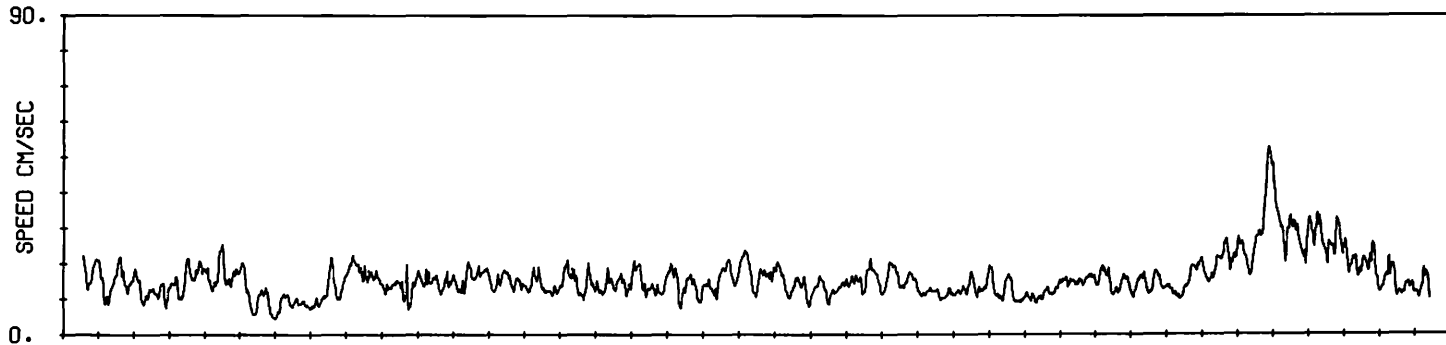
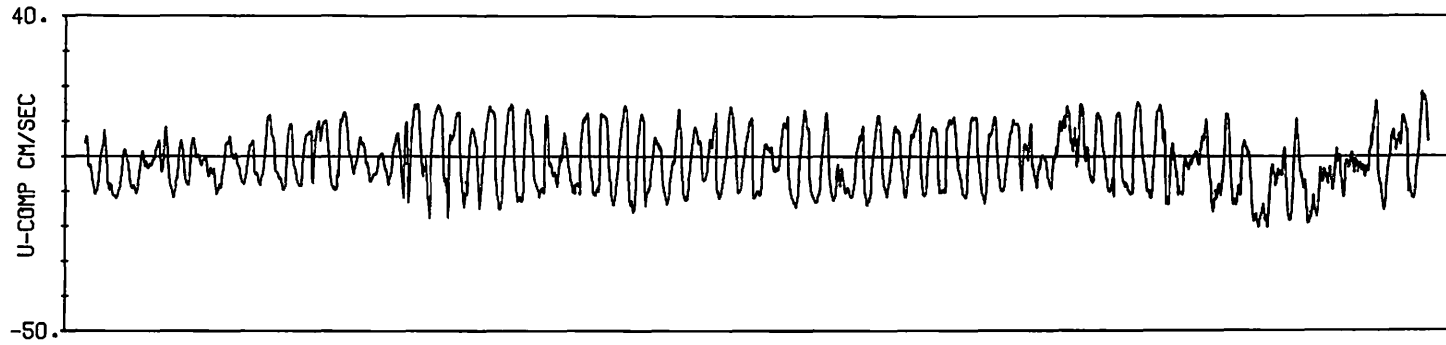
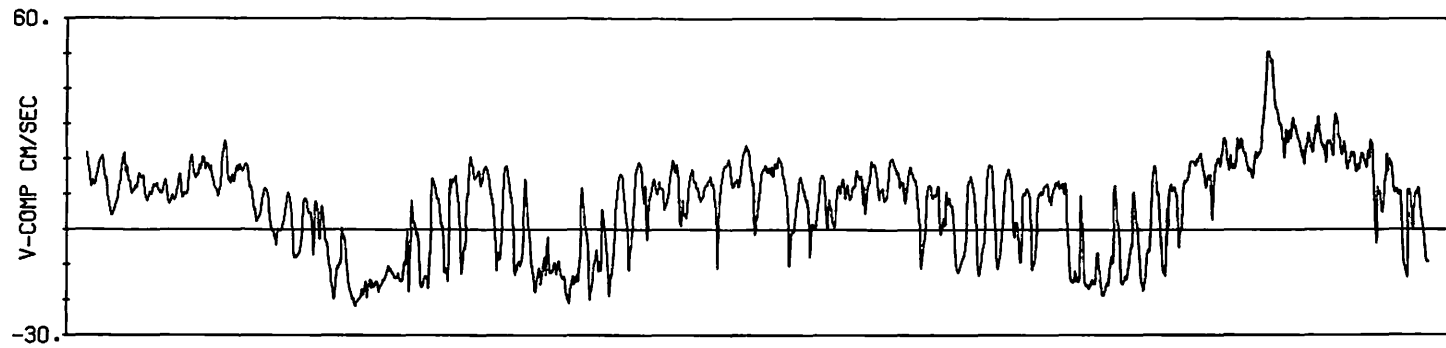


08/18/72

INSHORE 19 METERS

09/26/72

A - 55

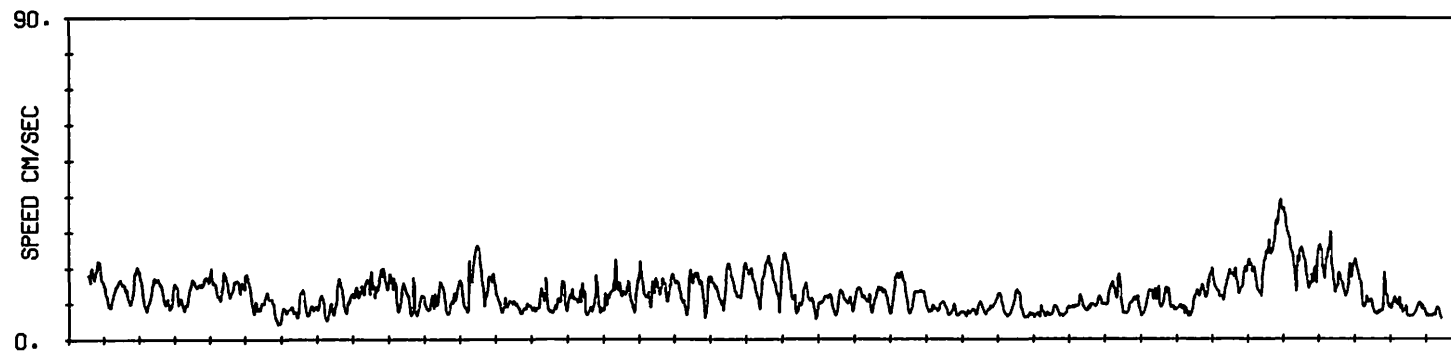
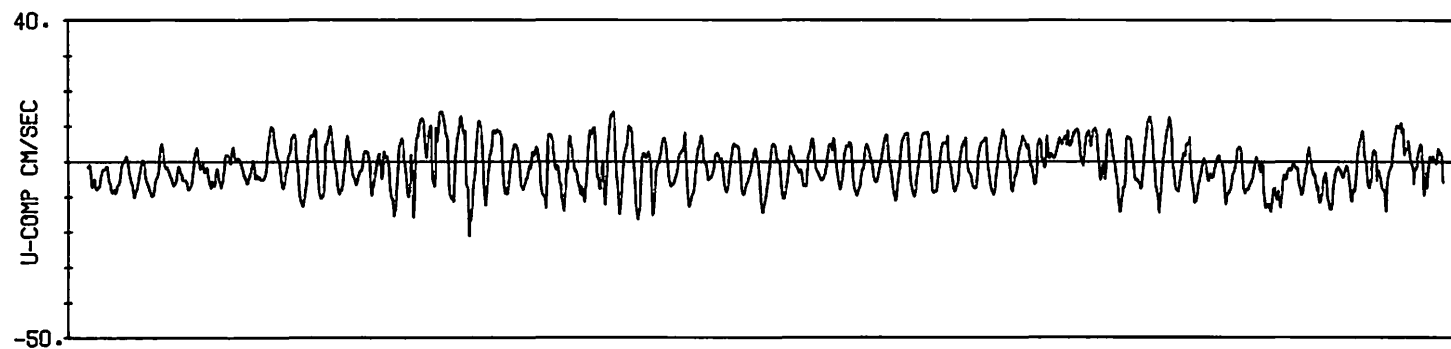
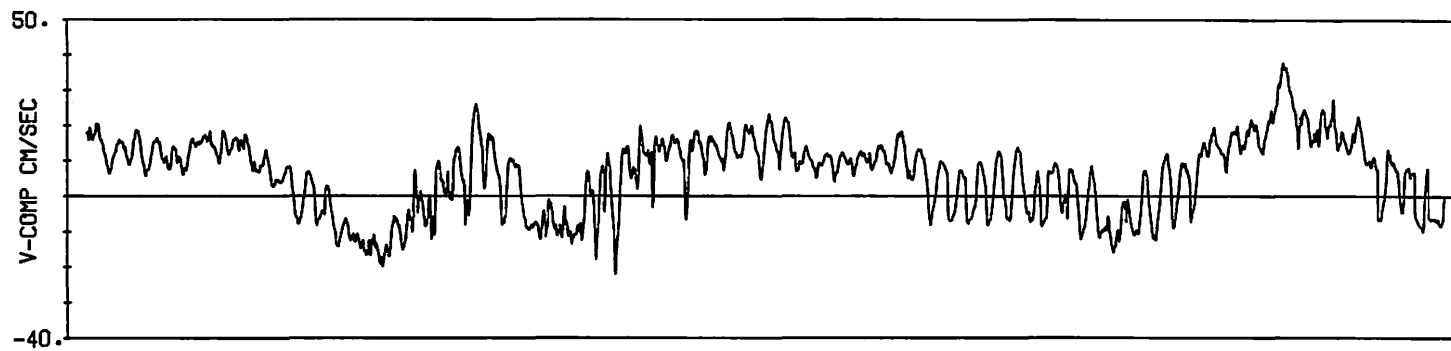


08/18/72

INSHORE 49 METERS

09/26/72

A-56

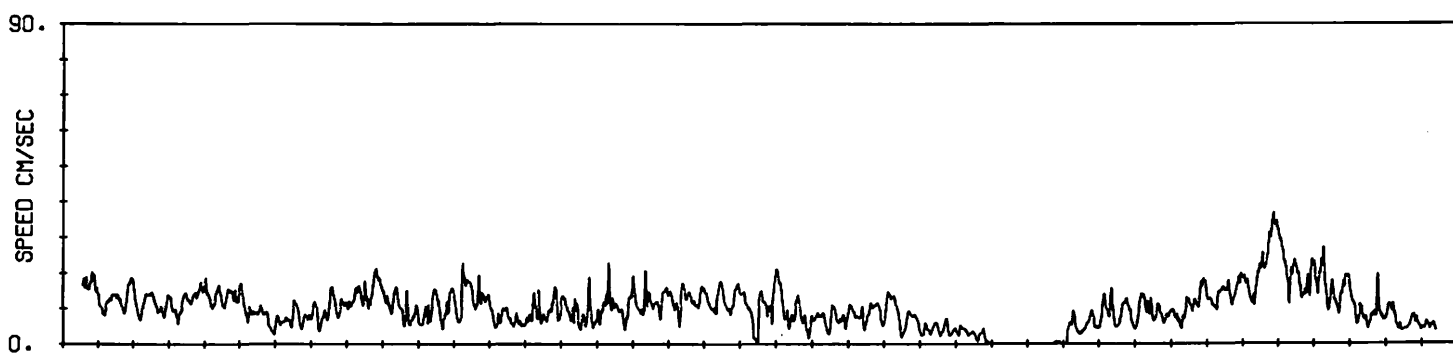
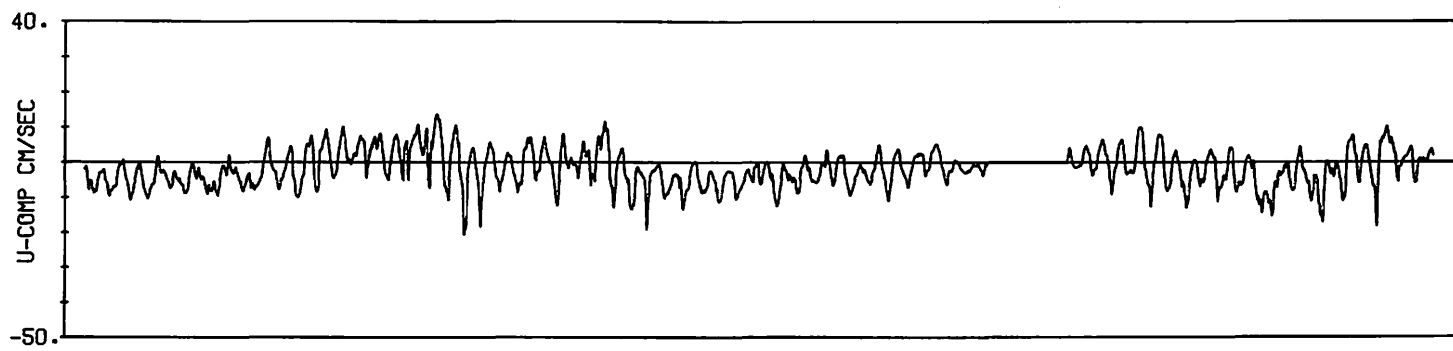
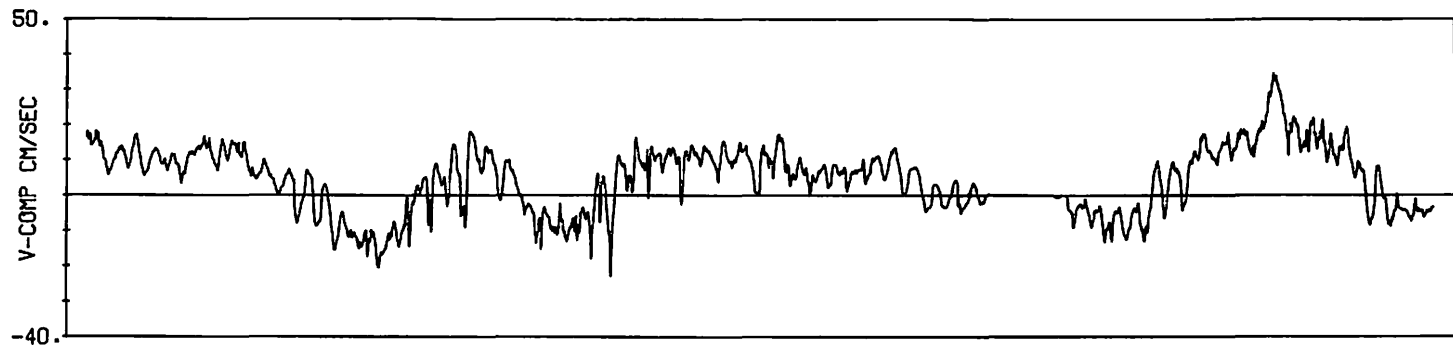


08/18/72

INSHORE 65 METERS

09/26/72

A-57

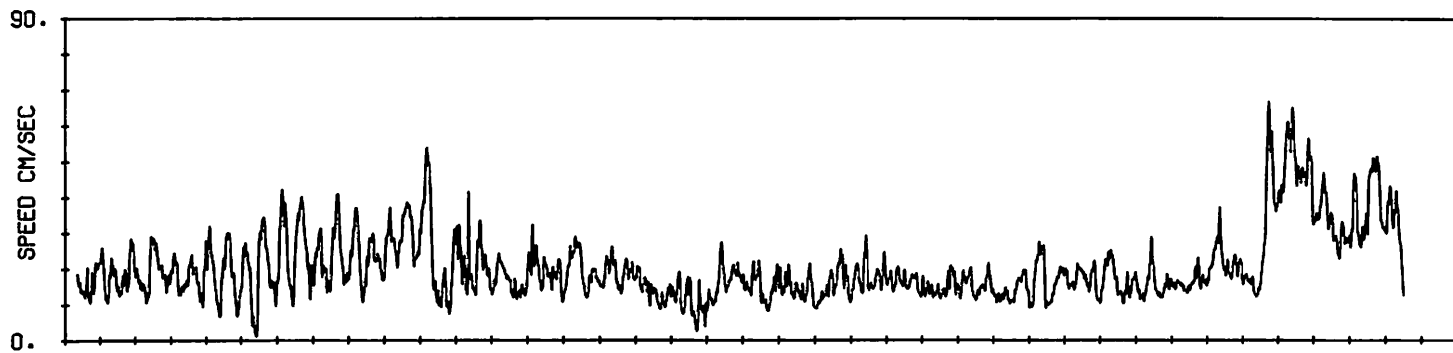
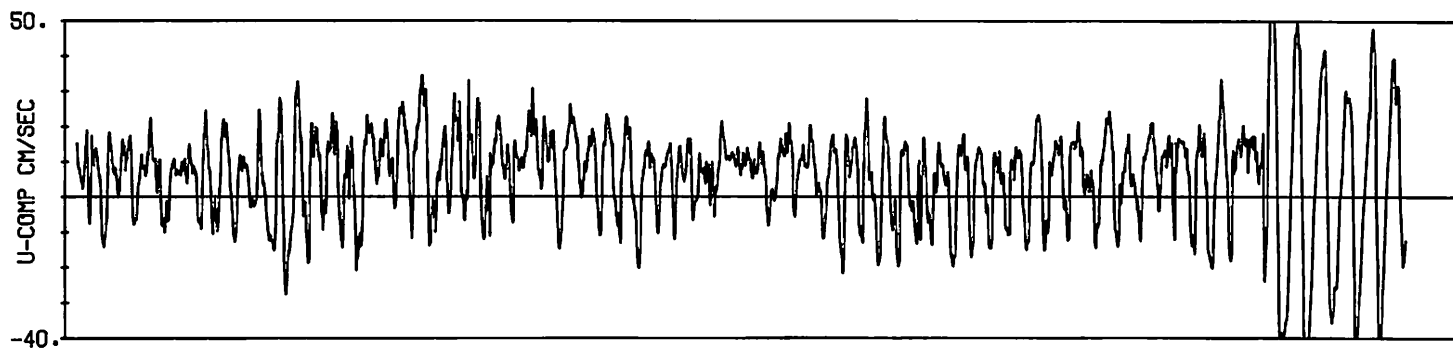
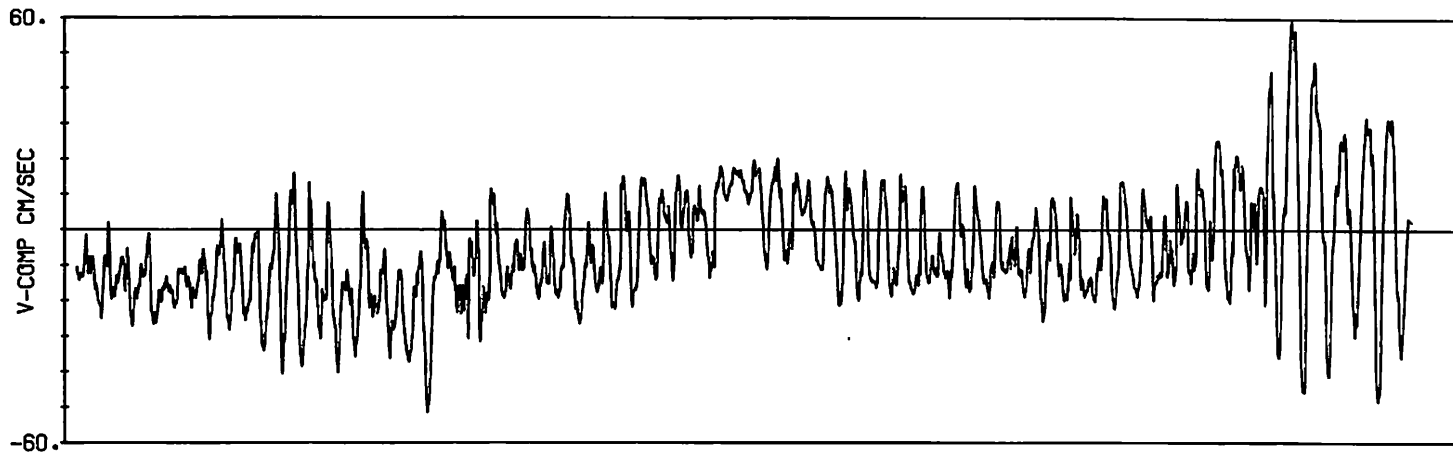


08/18/72

INSHORE 70 METERS

09/26/72

A-58

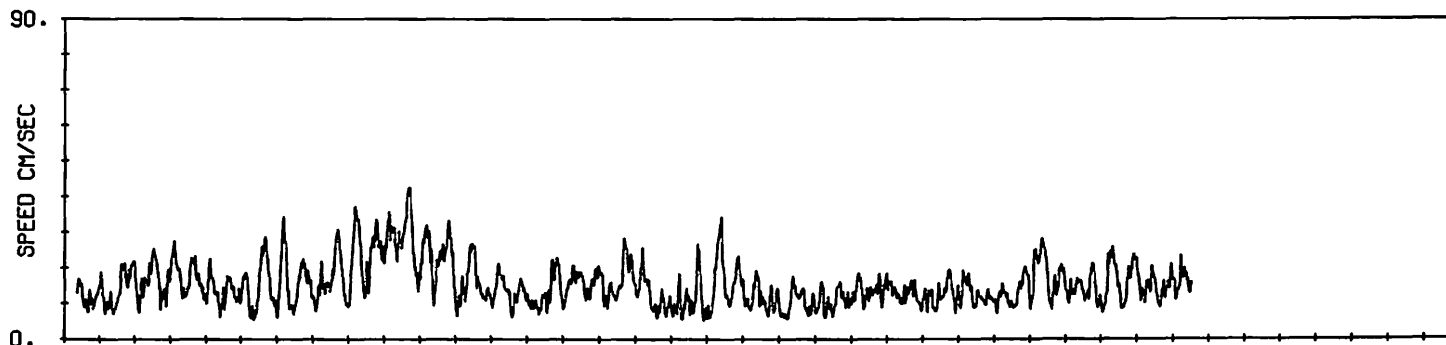
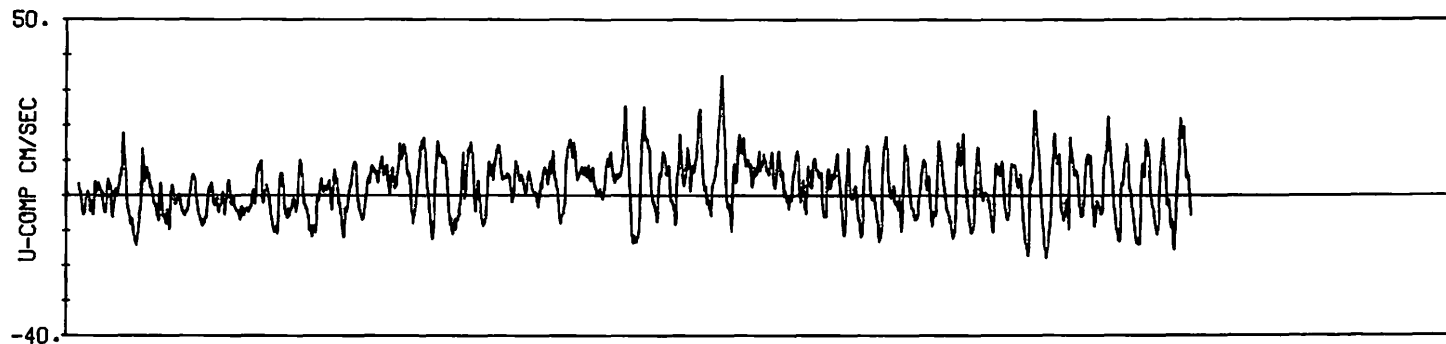
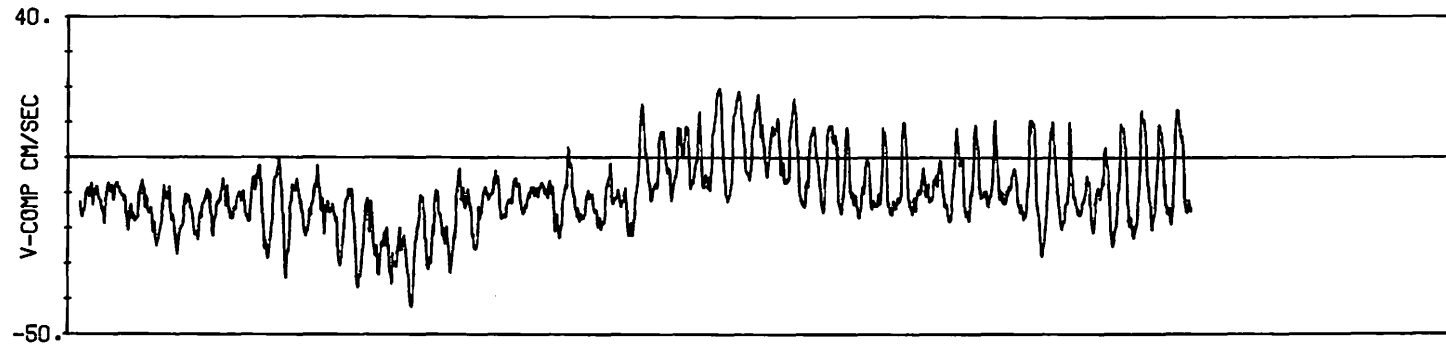


08/18/72

OFFSHORE 18 METERS

09/26/72

A - 59

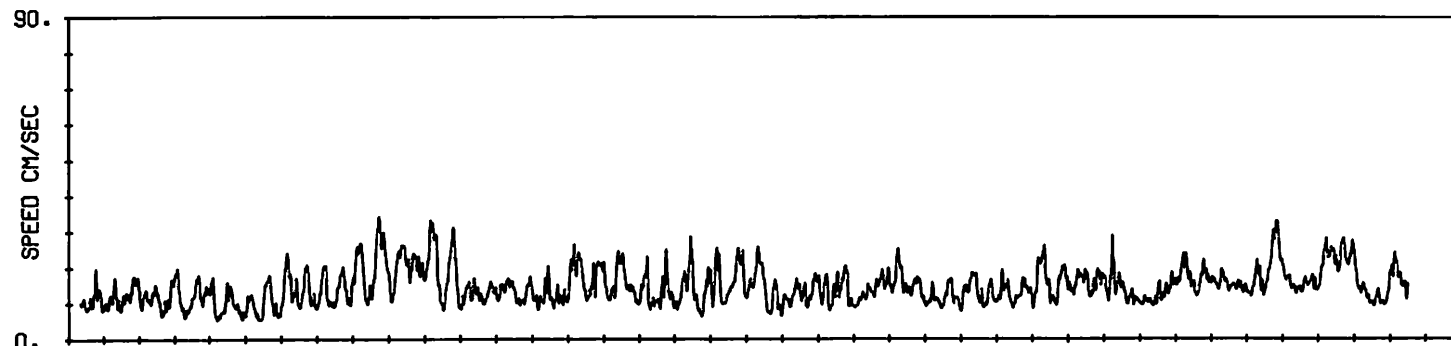
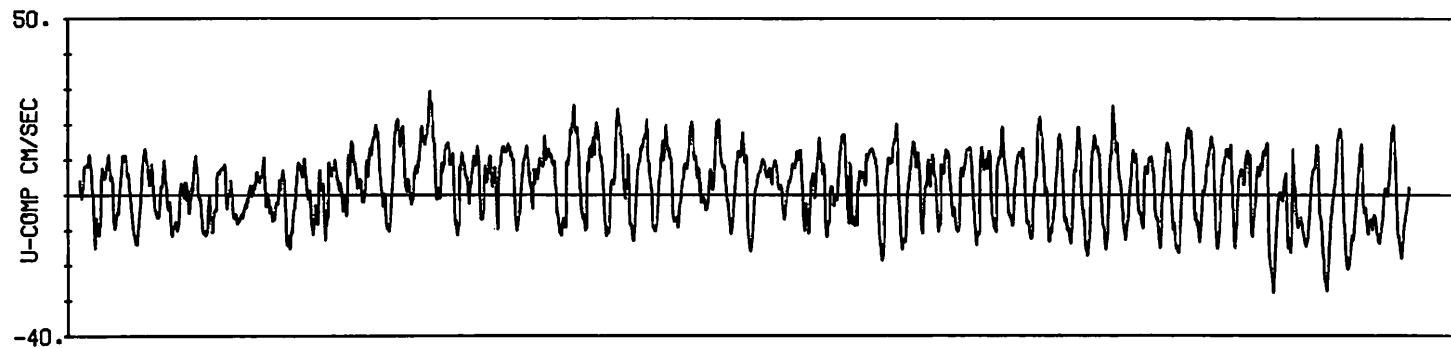
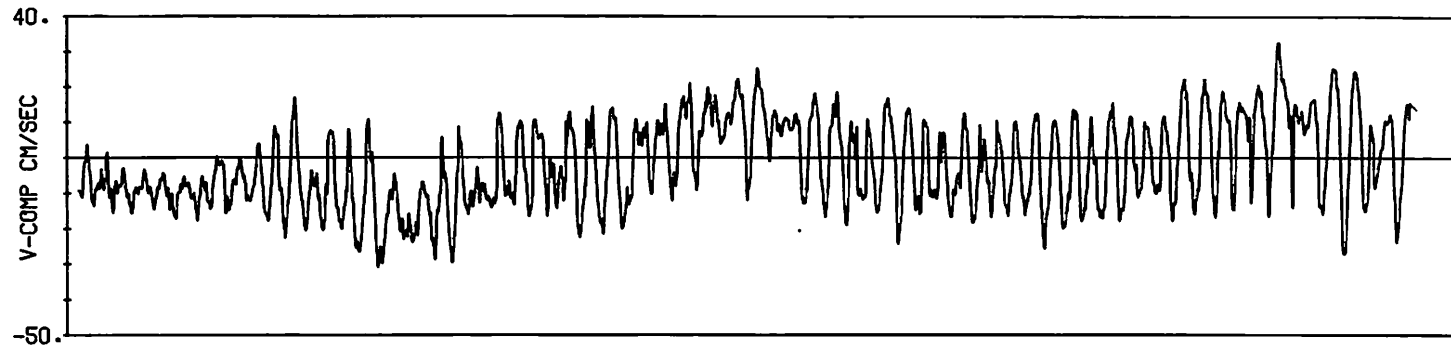


08/18/72

OFFSHORE 29 METERS

09/26/72

A-60

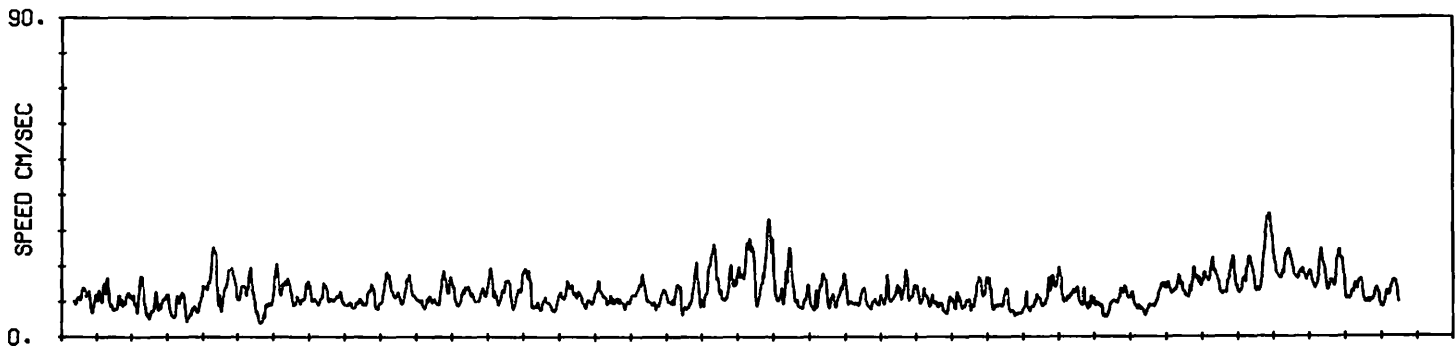
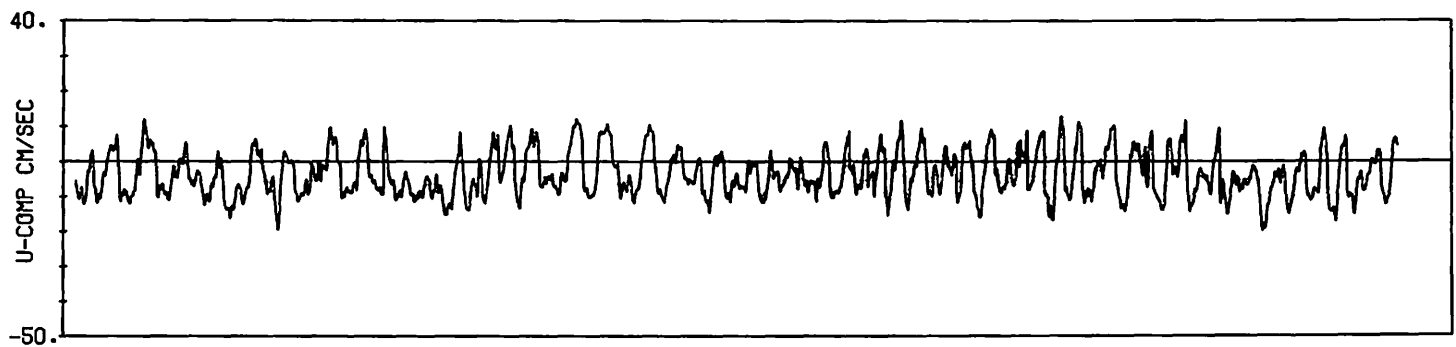
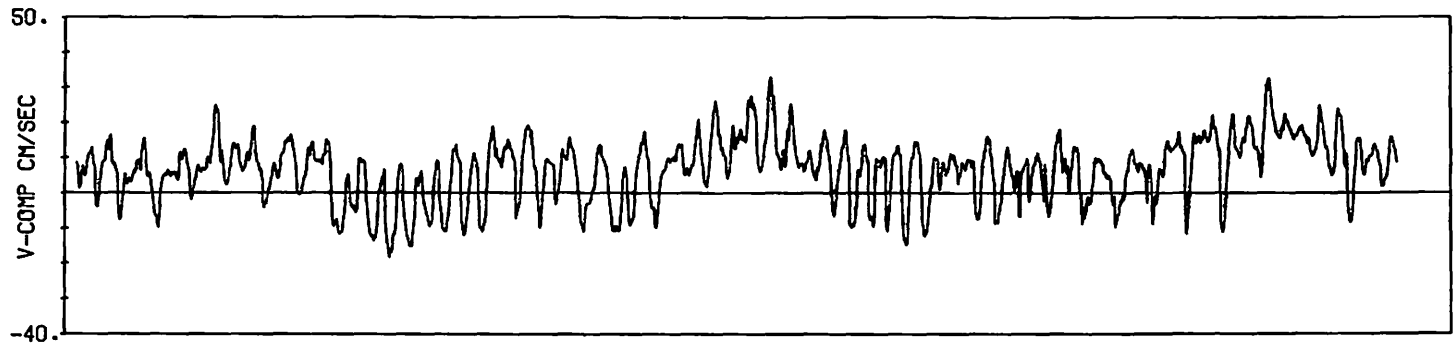


08/18/72

OFFSHORE 54 METERS

09/26/72

A-61

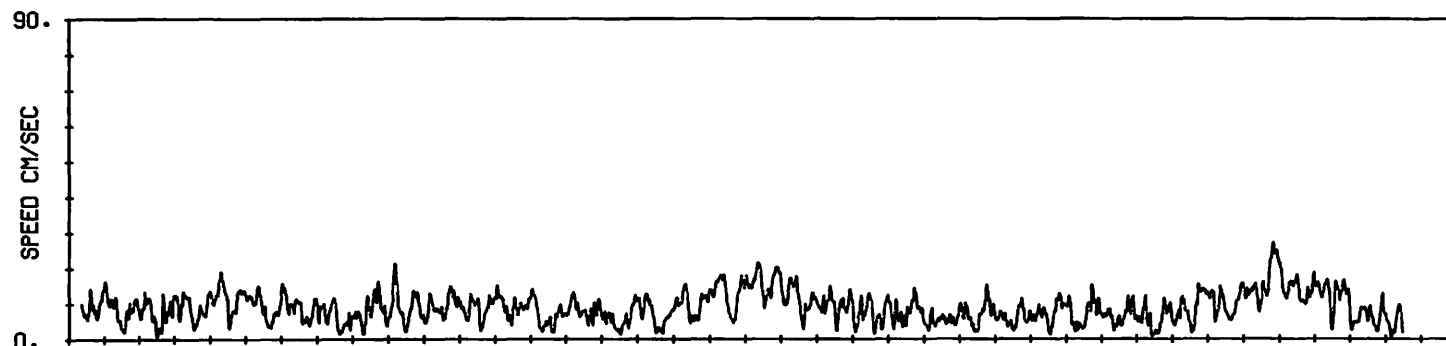
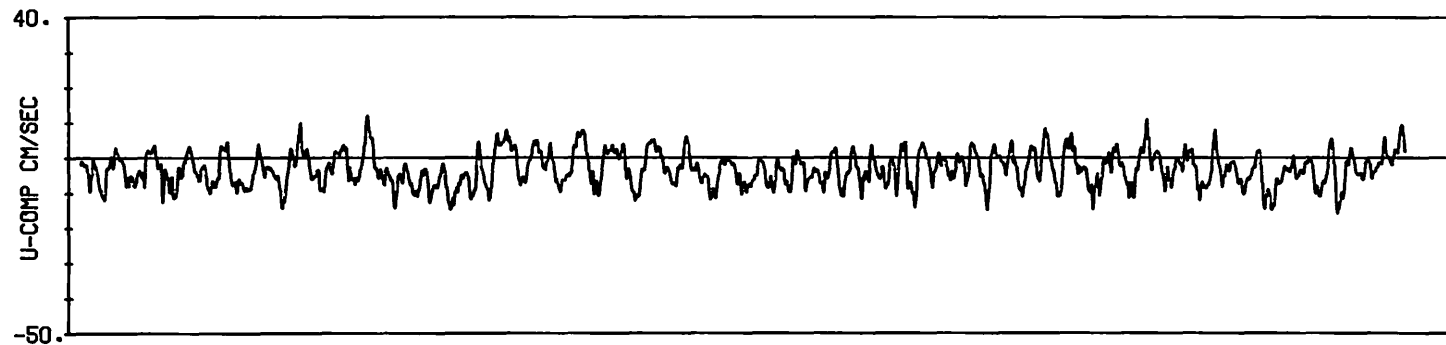
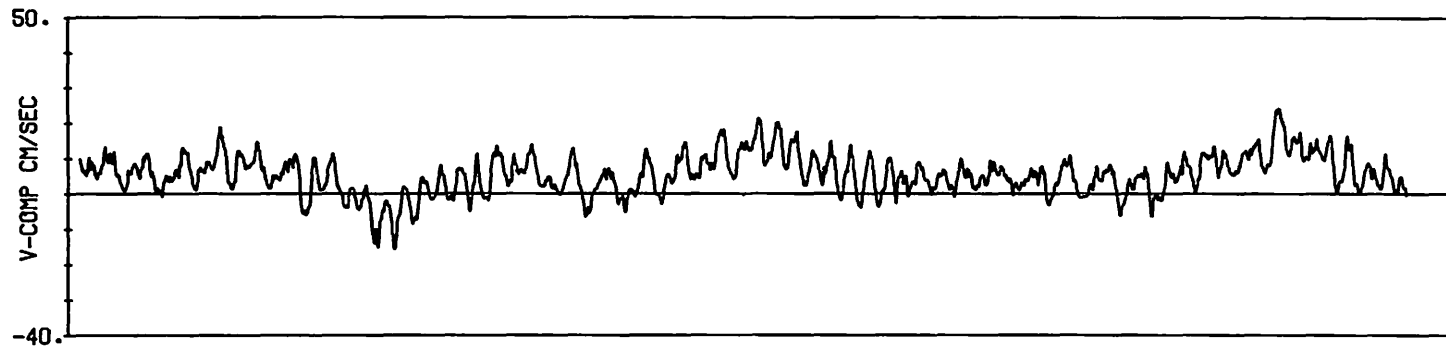


08/18/72

OFFSHORE 109 METERS

09/26/72

A-62

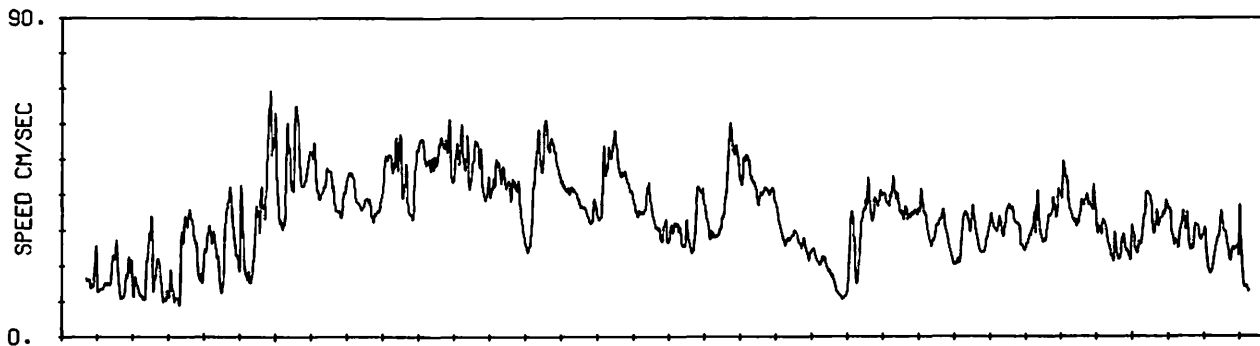
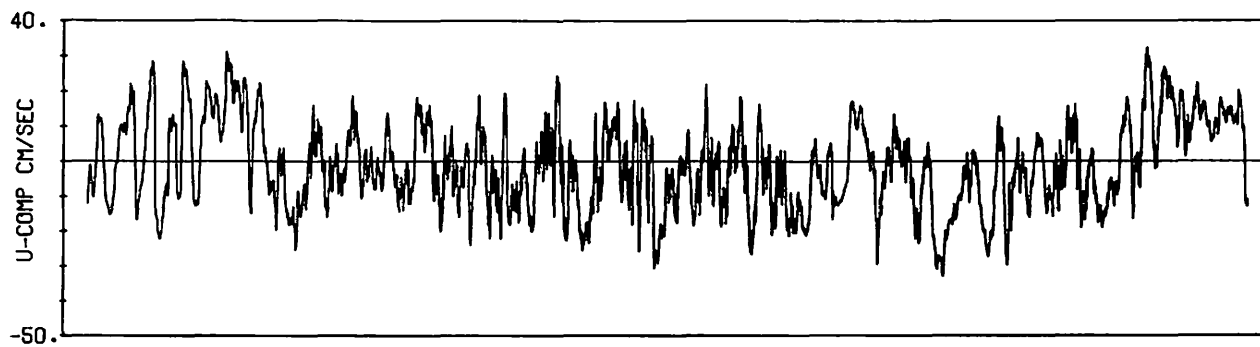
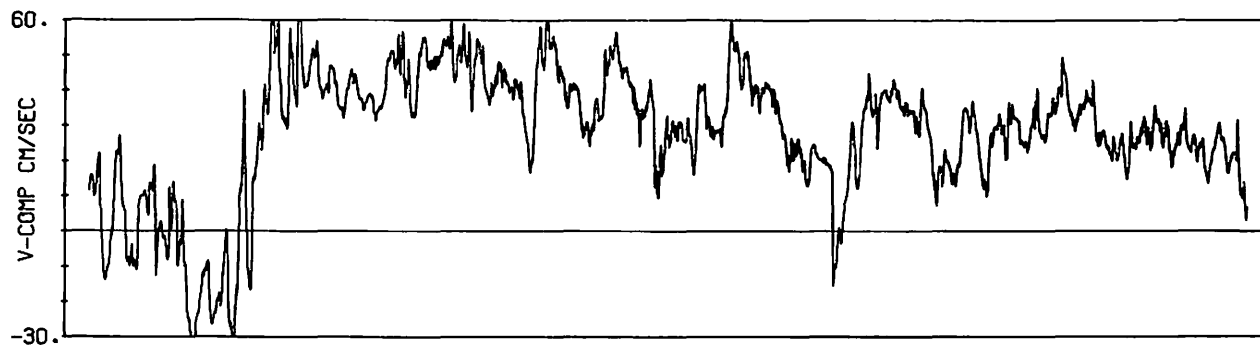


08/18/72

OFFSHORE 159 METERS

09/26/72

A-63

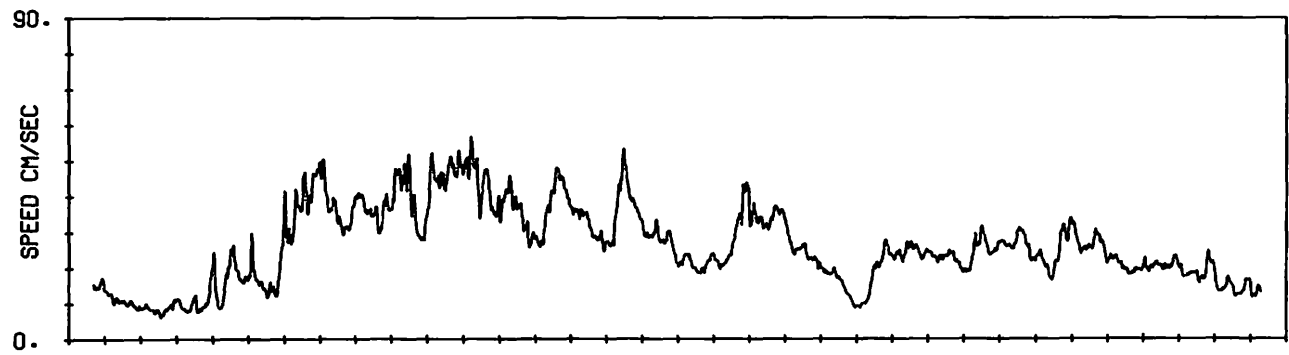
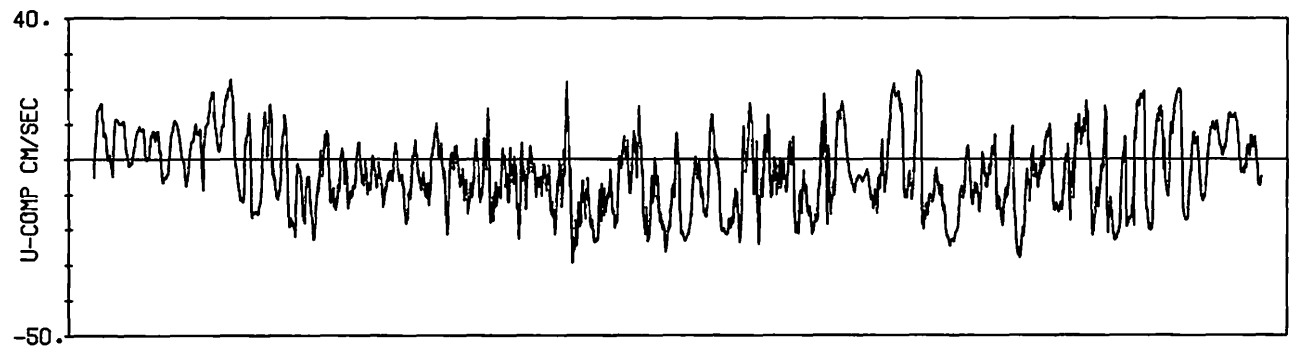
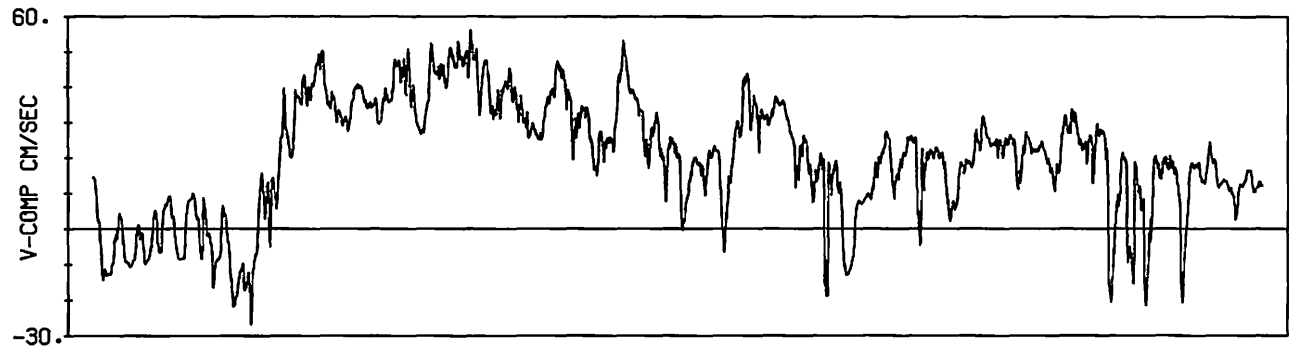


01/05/73

INSHORE 15 METERS

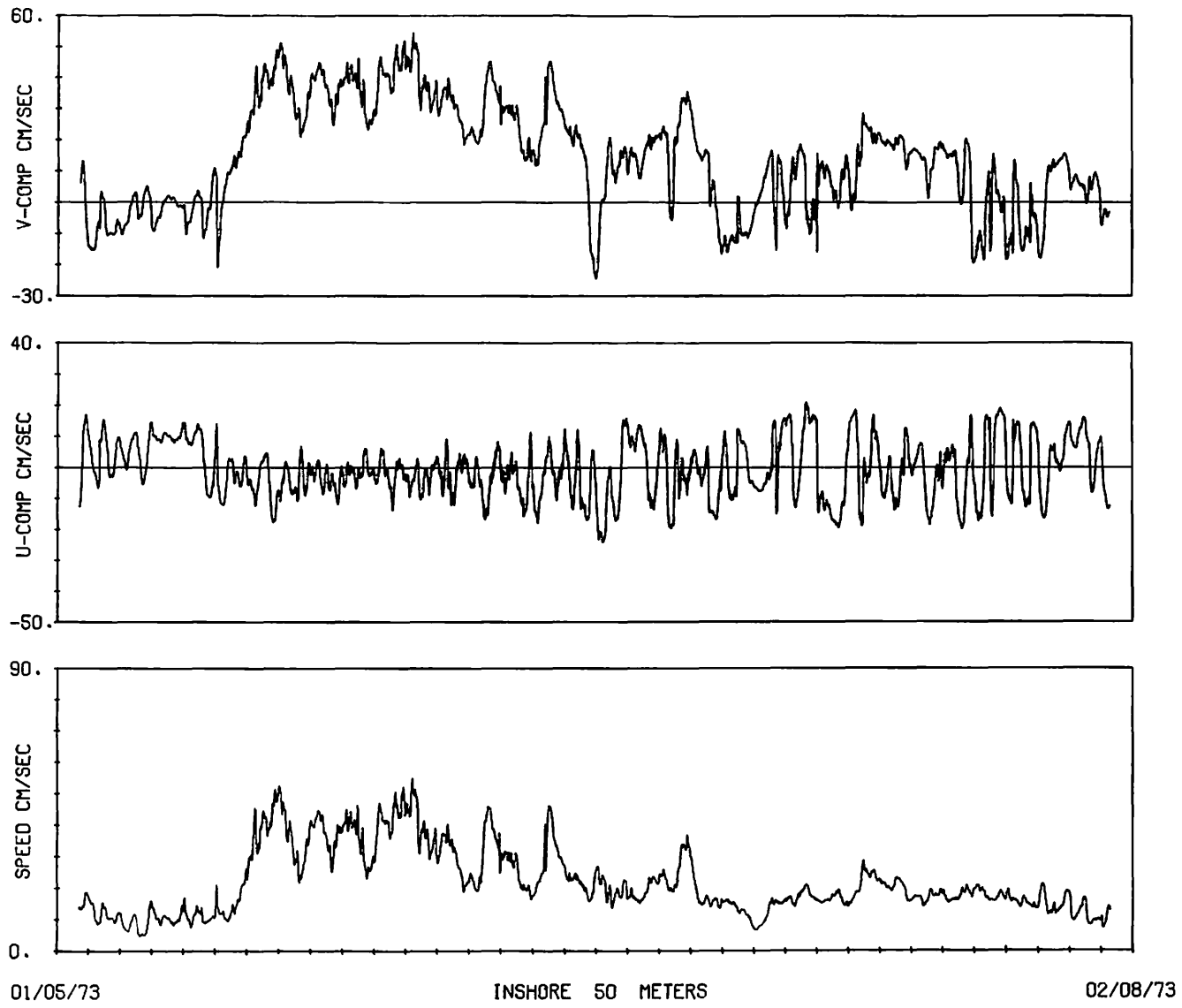
02/08/73

A-64

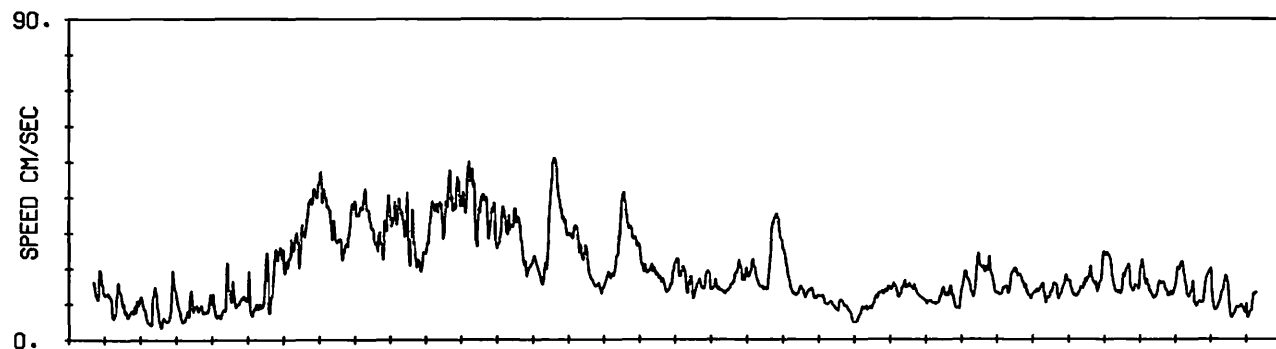
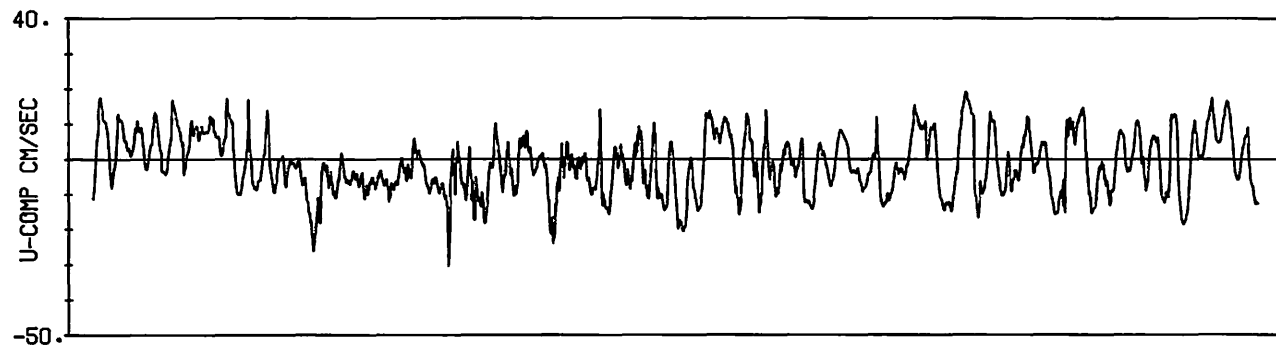
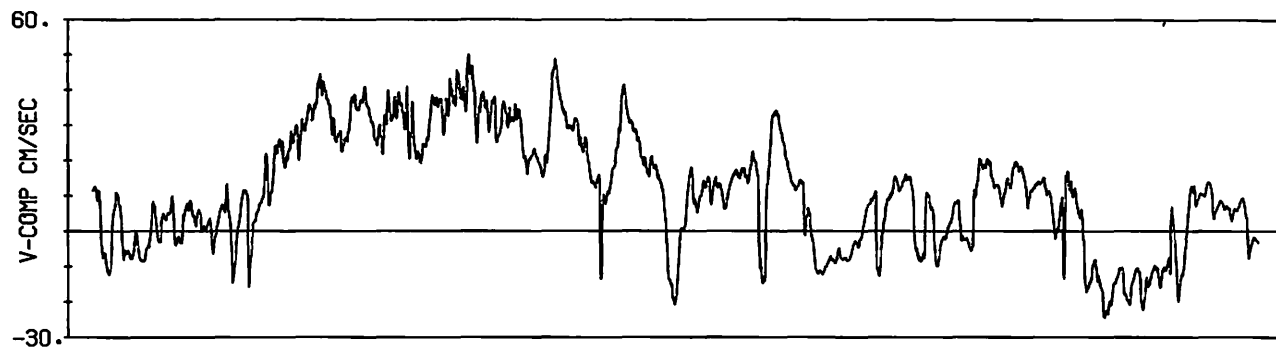


01/05/73 INSHORE 30 METERS 02/08/73

A - 65



A-66

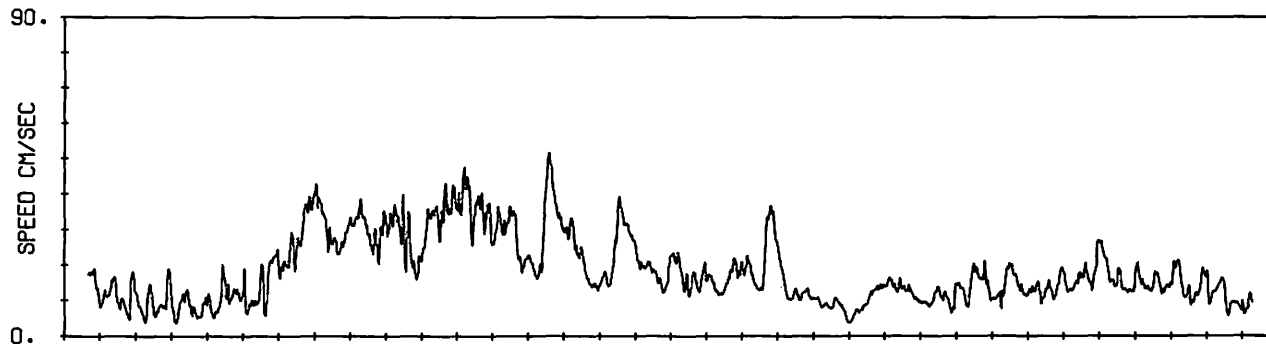
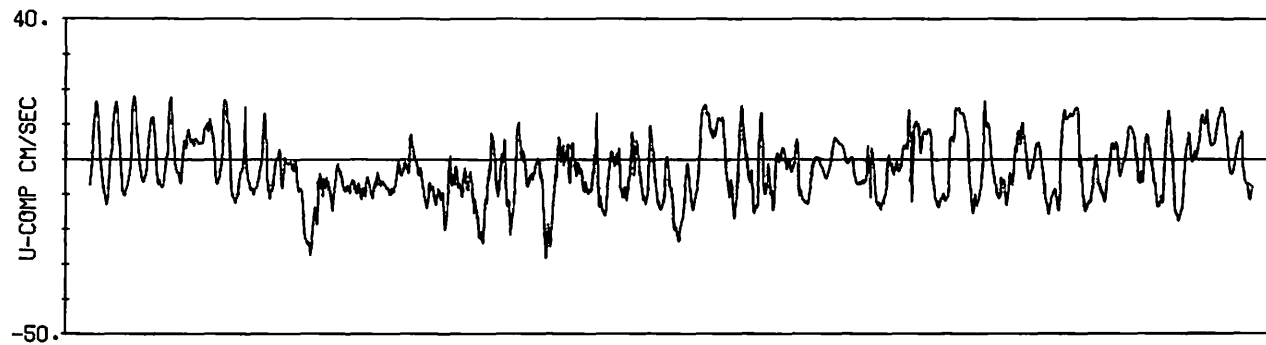
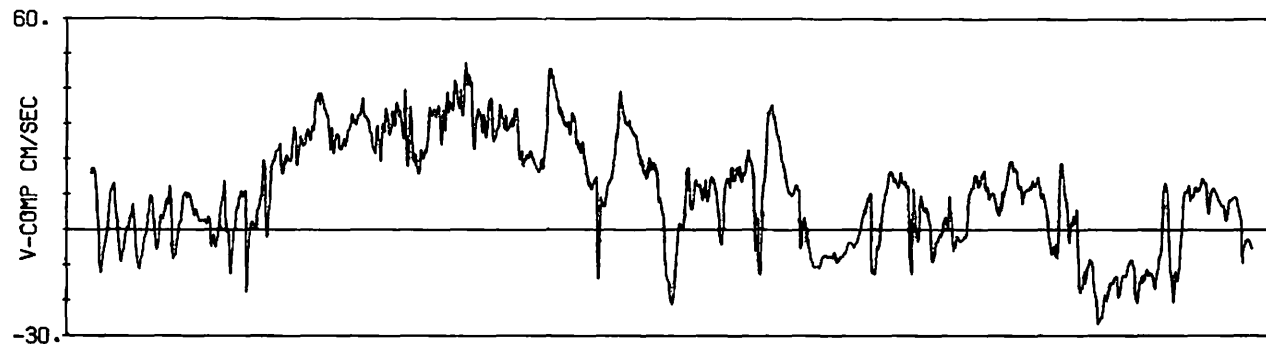


01/05/73

INSHORE 66 METERS

02/08/73

A - 67

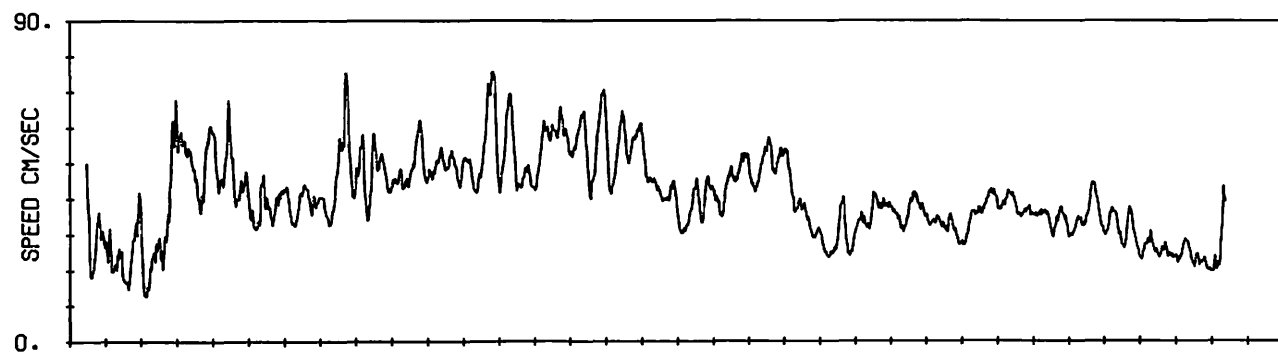
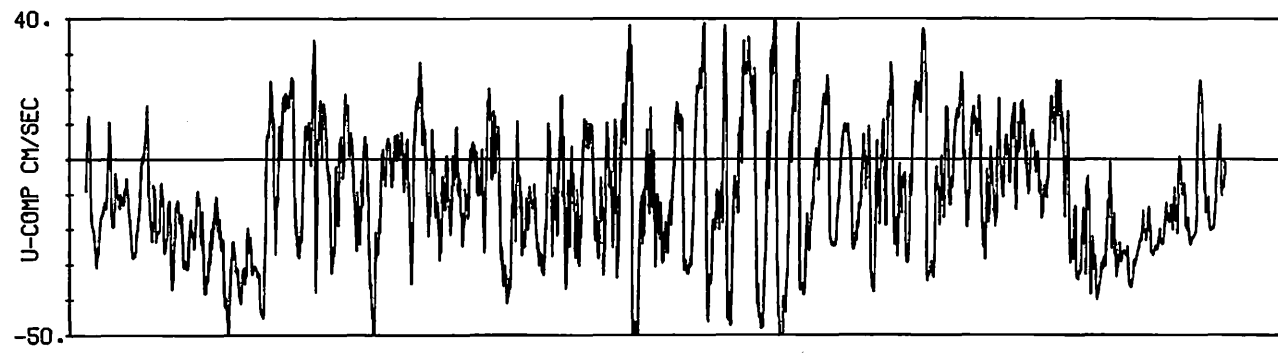
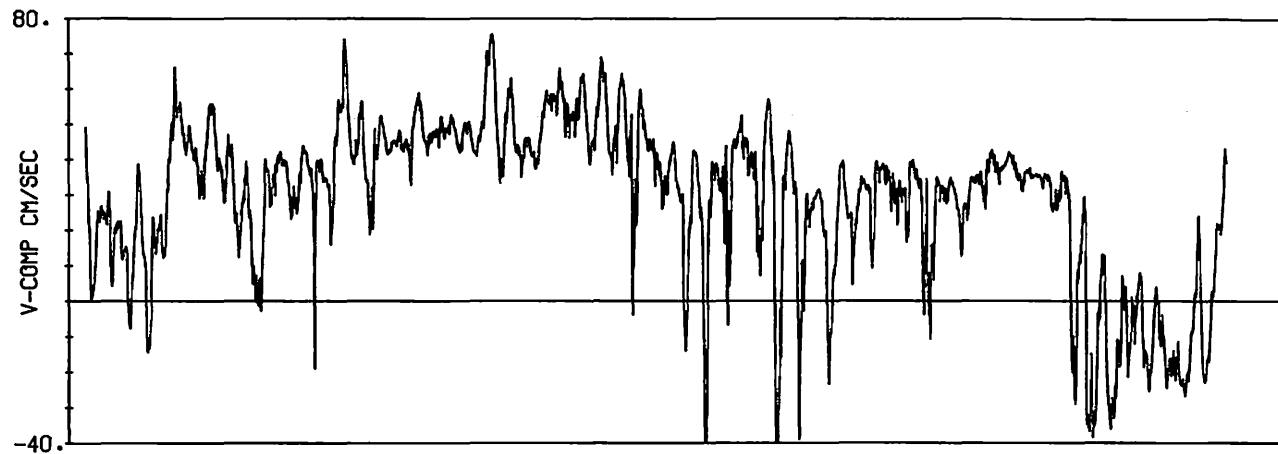


01/05/73

INSHORE 71 METERS

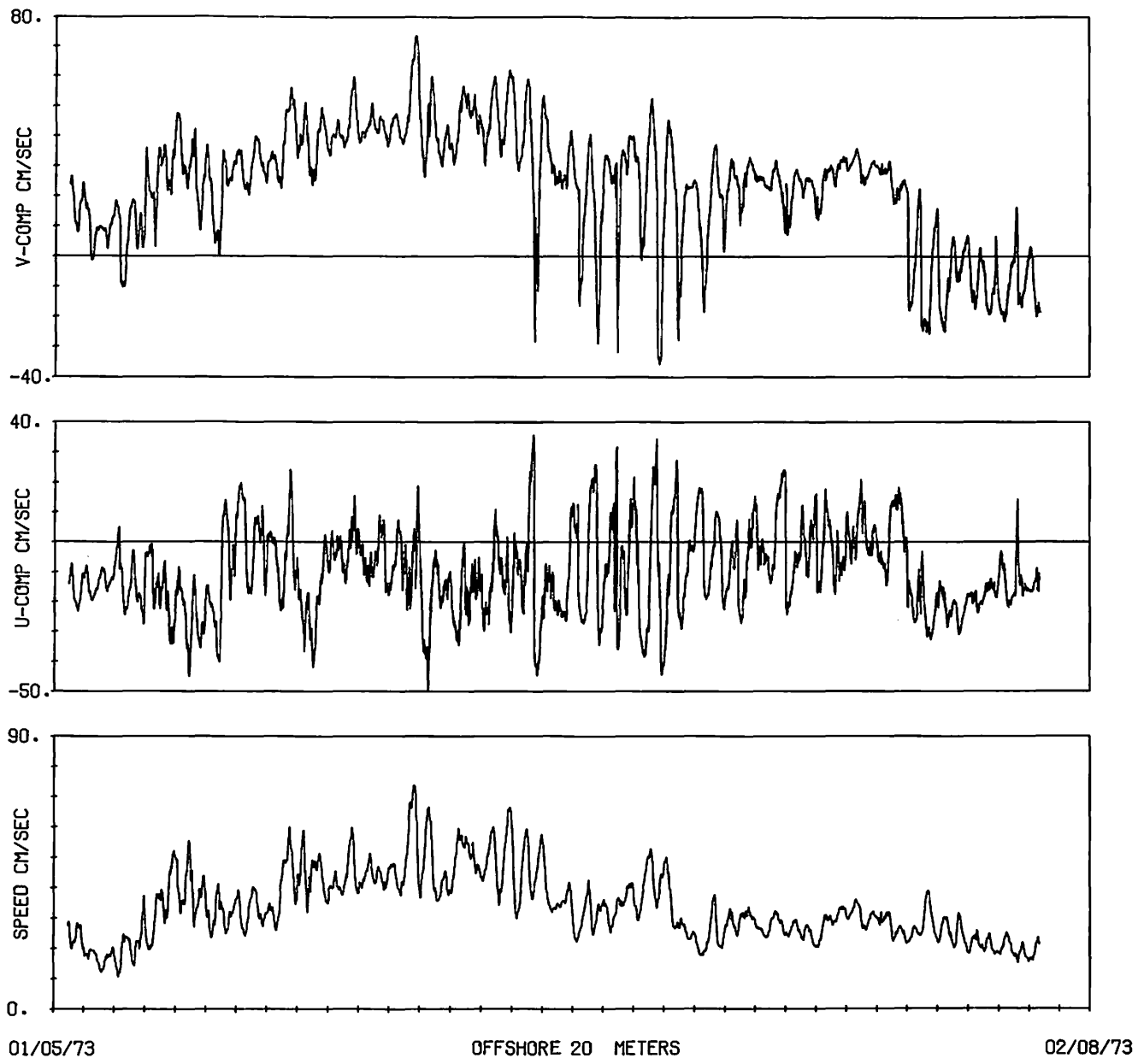
02/08/73

A - 68

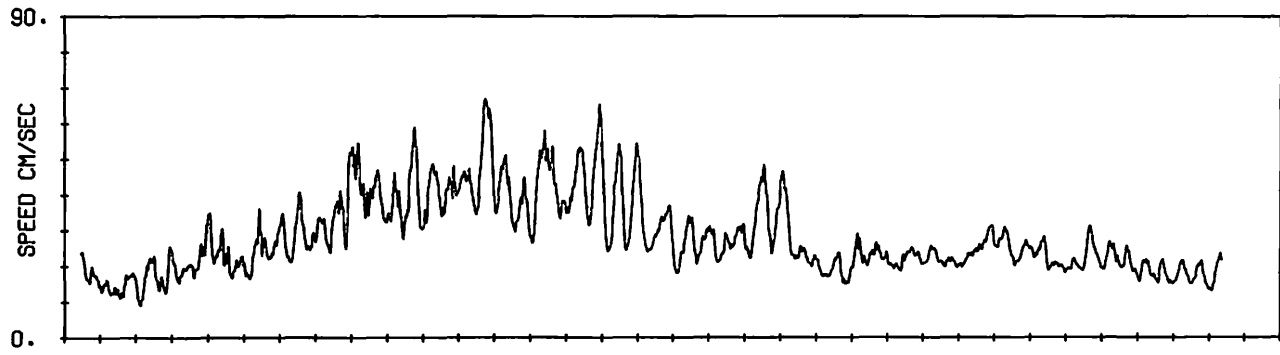
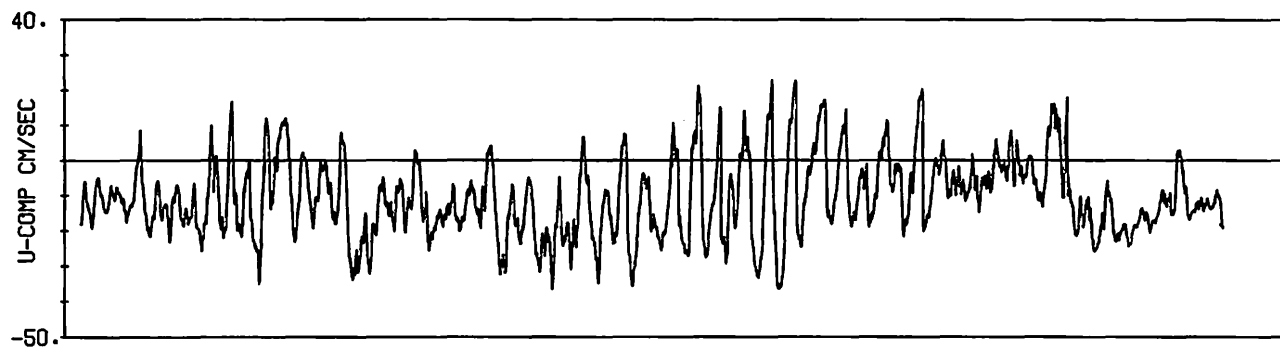
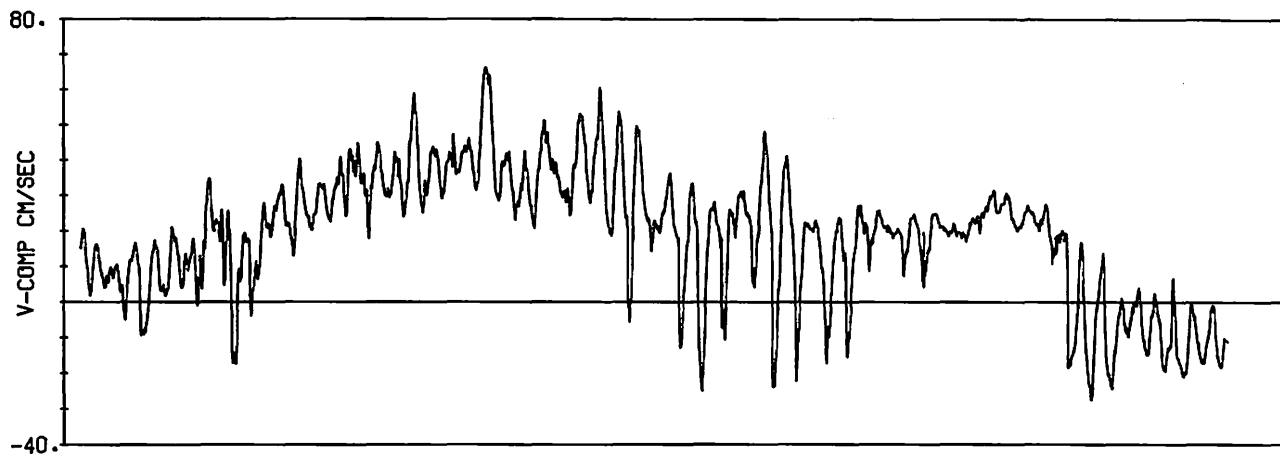


01/05/73 OFFSHORE 9 METERS 02/08/73

A-69



A - 70

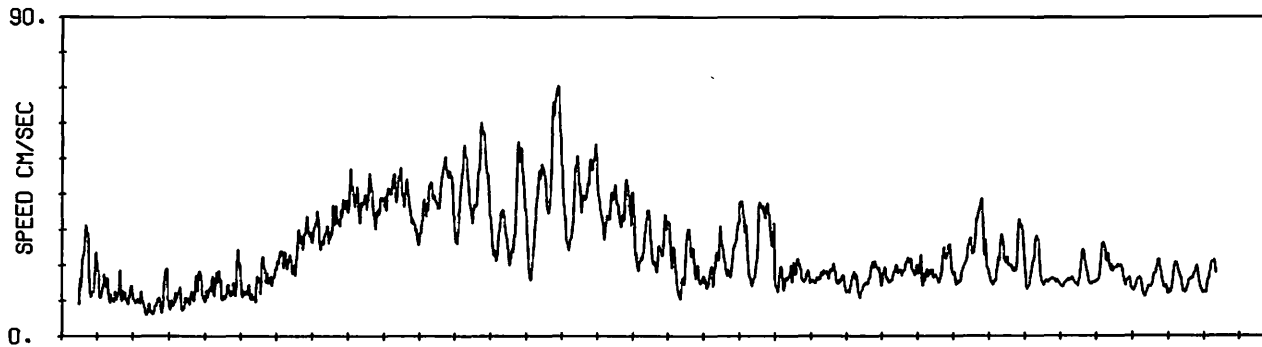
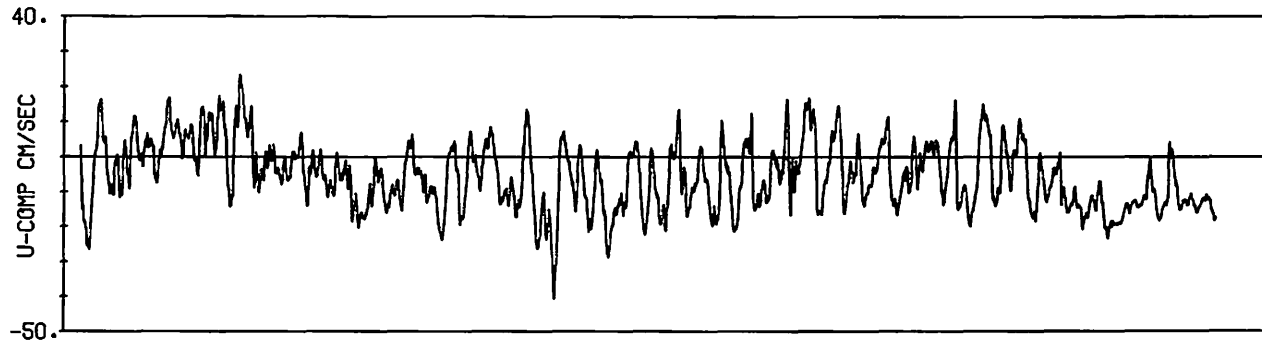
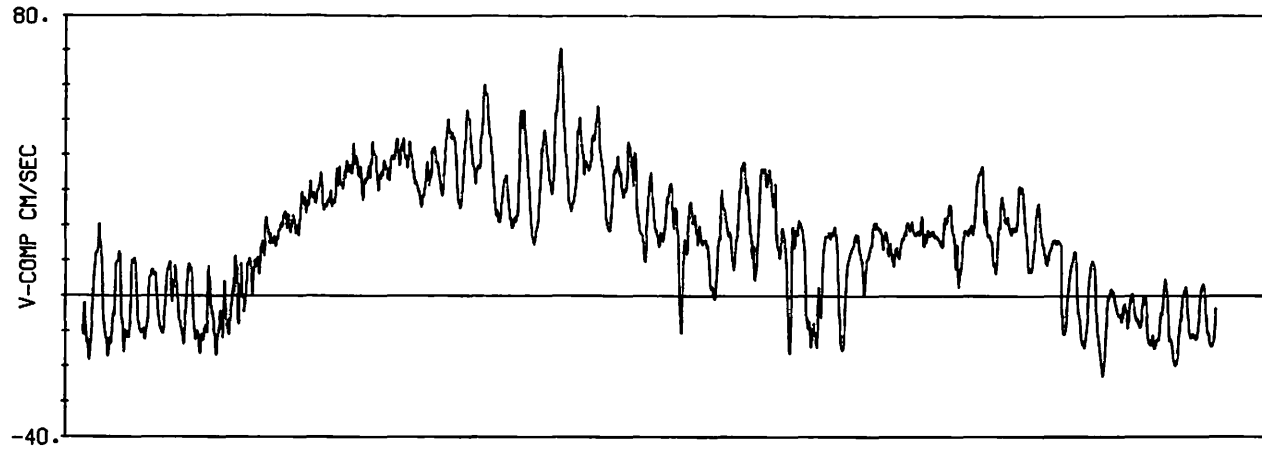


01/05/73

OFFSHORE 45 METERS

02/08/73

A-71

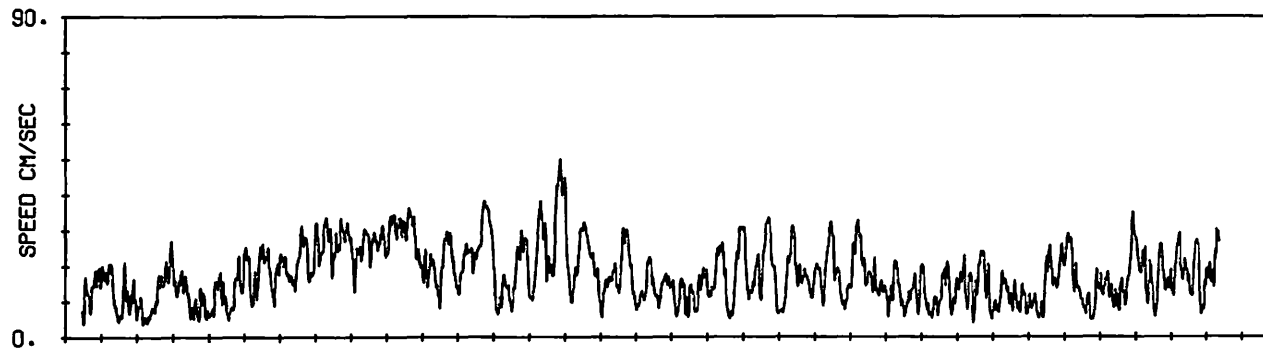
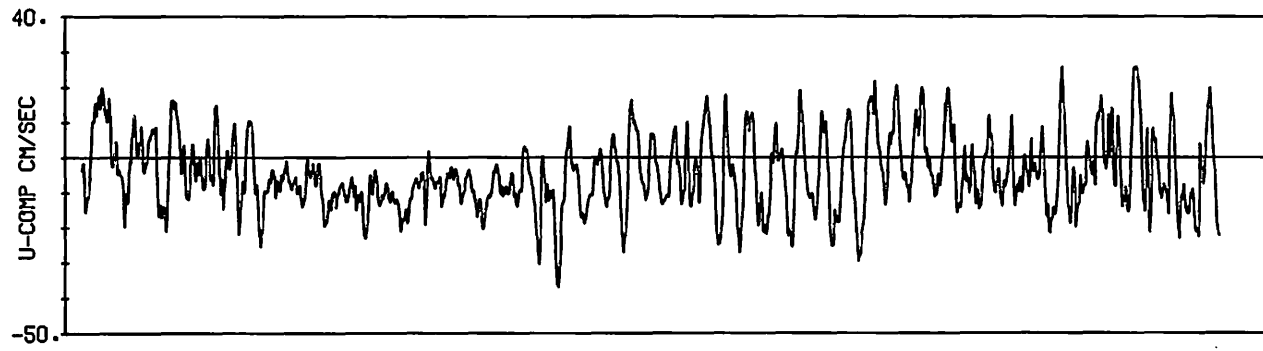
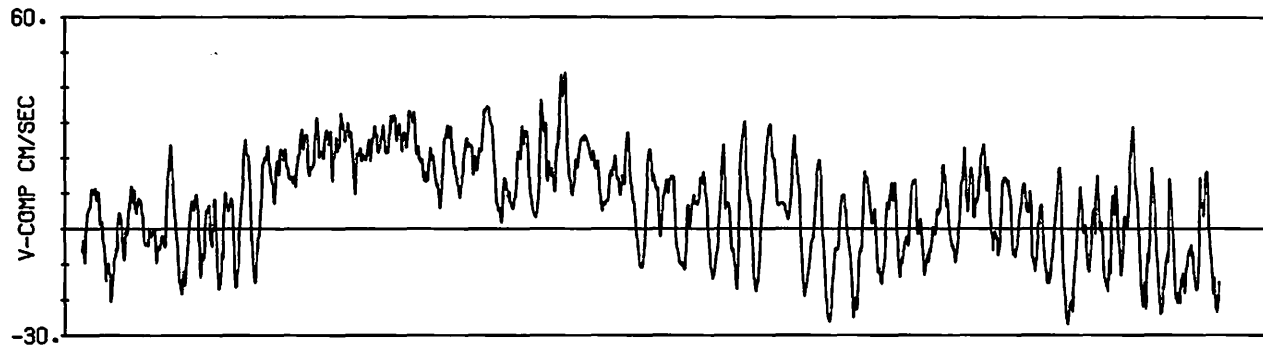


01/05/73

OFFSHORE 100 METERS

02/08/73

A-72

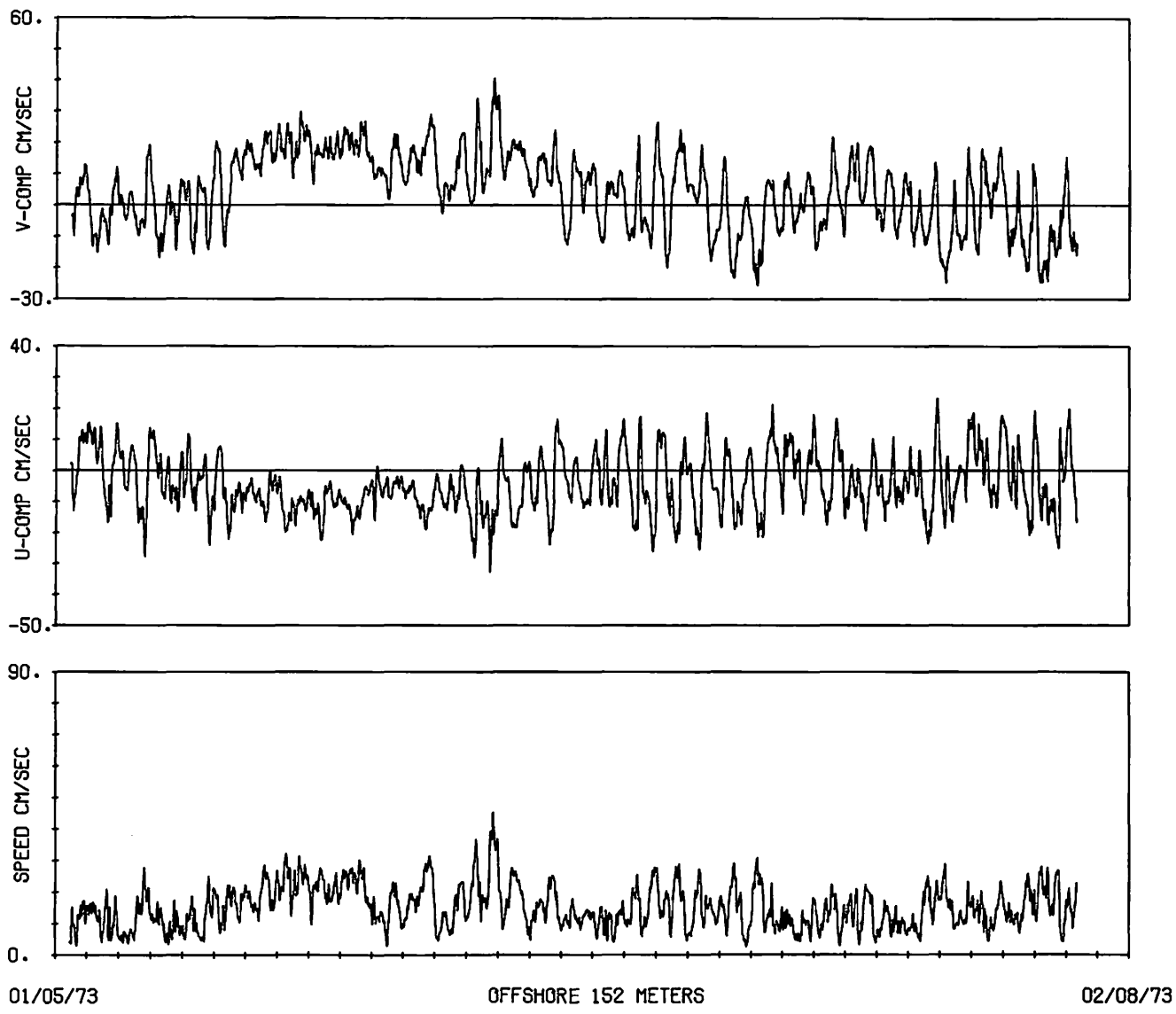


01/05/73

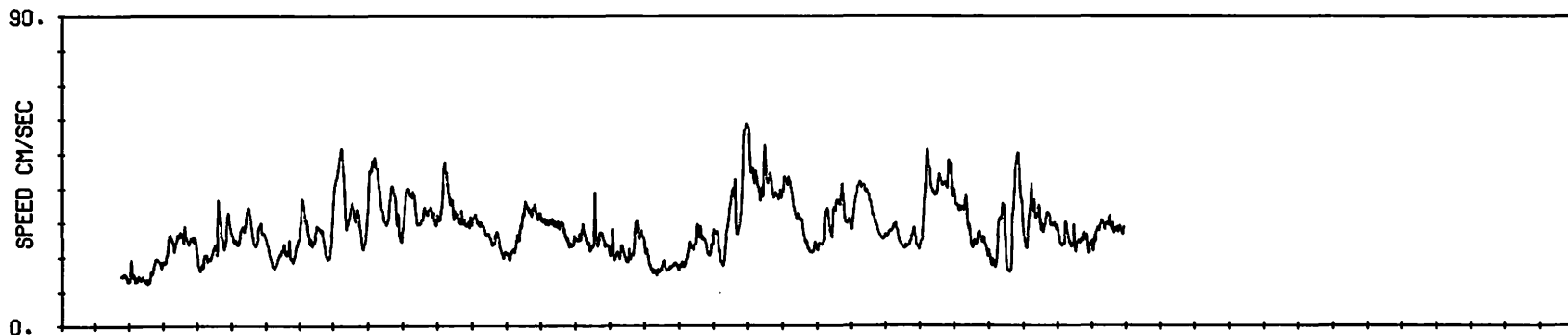
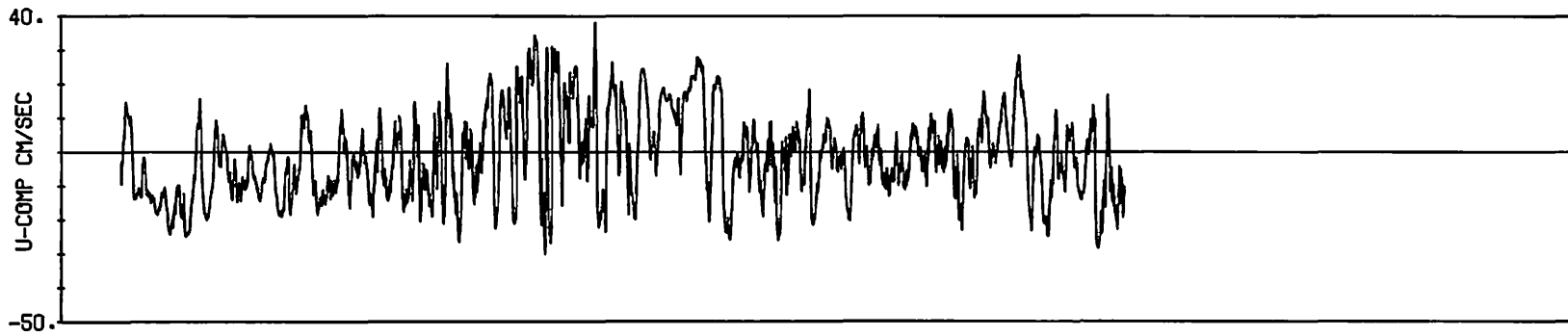
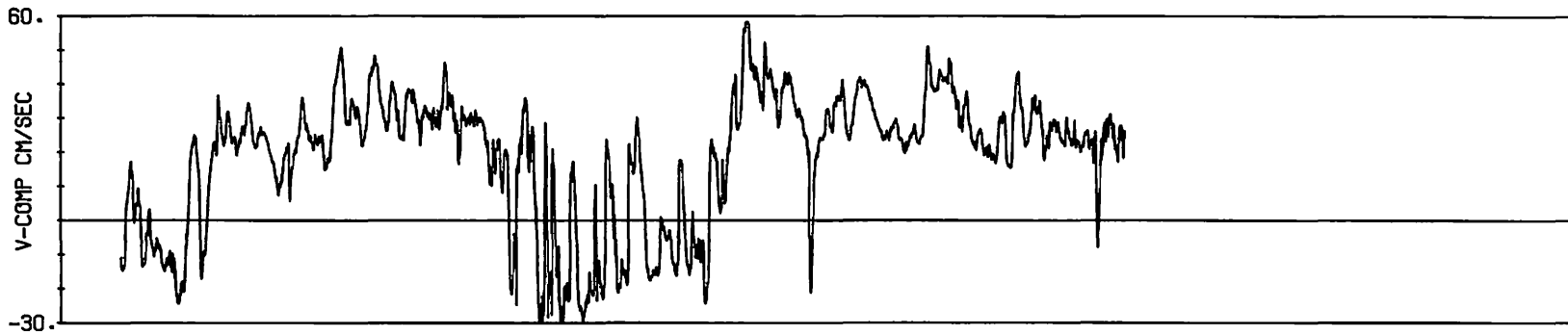
OFFSHORE 147 METERS

02/08/73

A - 73



A - 74

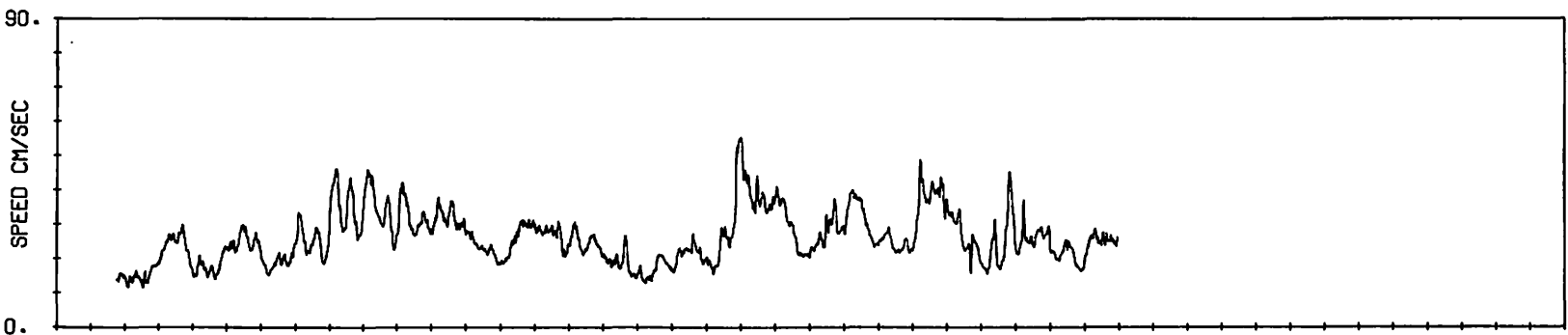
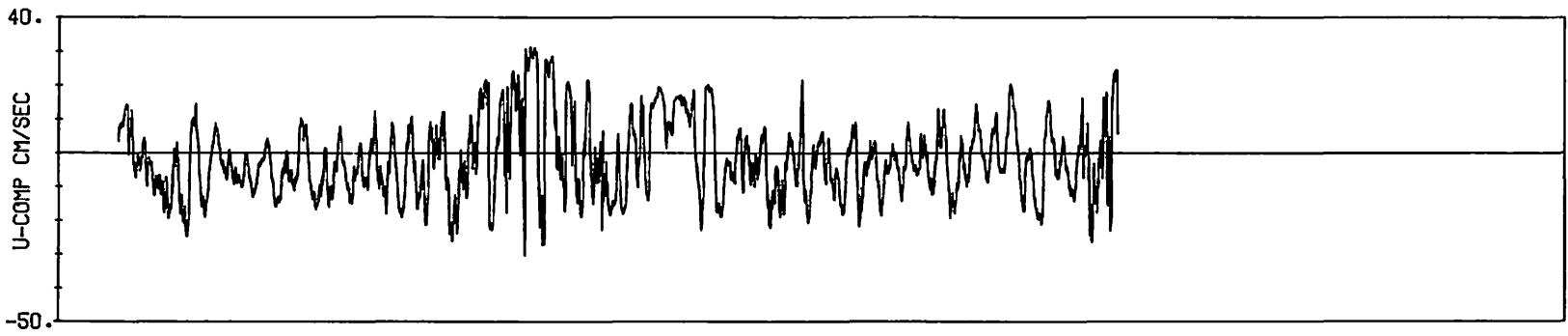
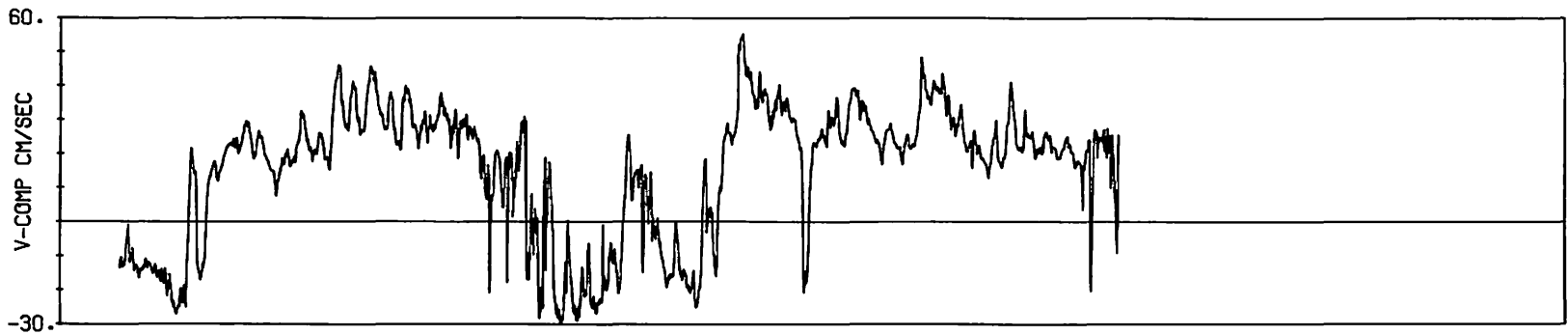


02/06/73

INSHORE 15 METERS

03/22/73

A - 75

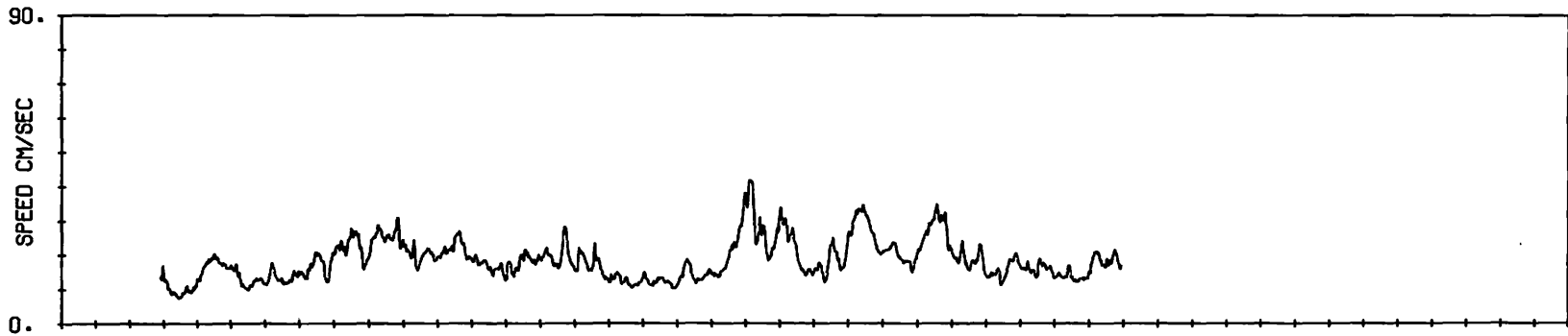
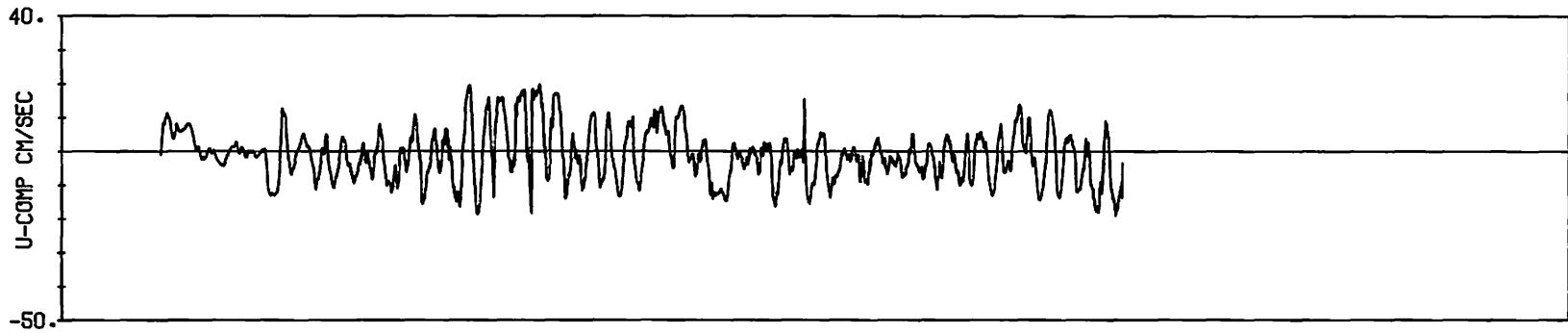
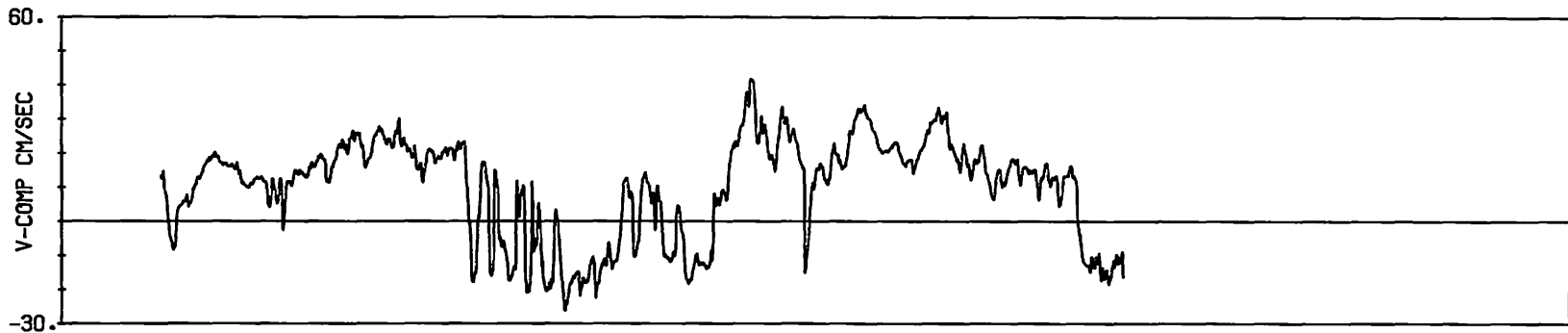


02/06/73

INSHORE 20 METERS

03/22/73

A-76

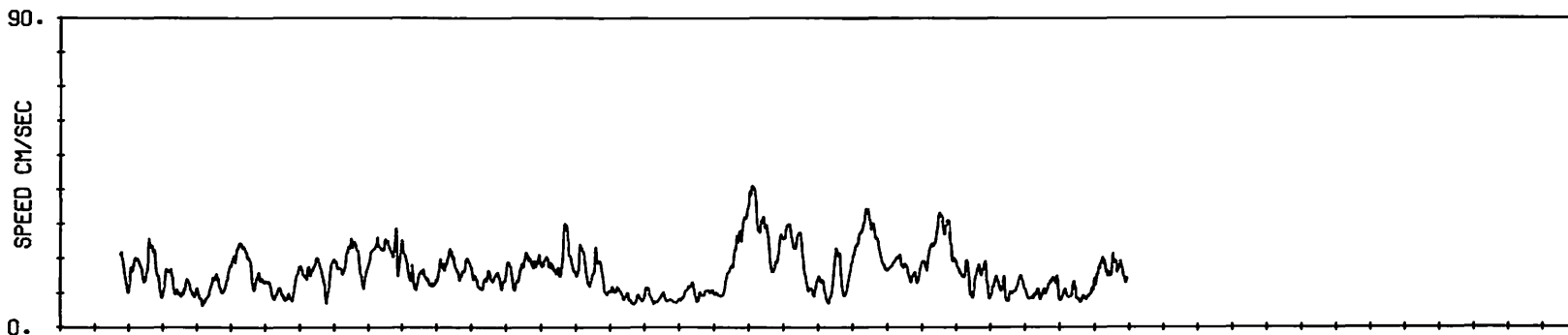
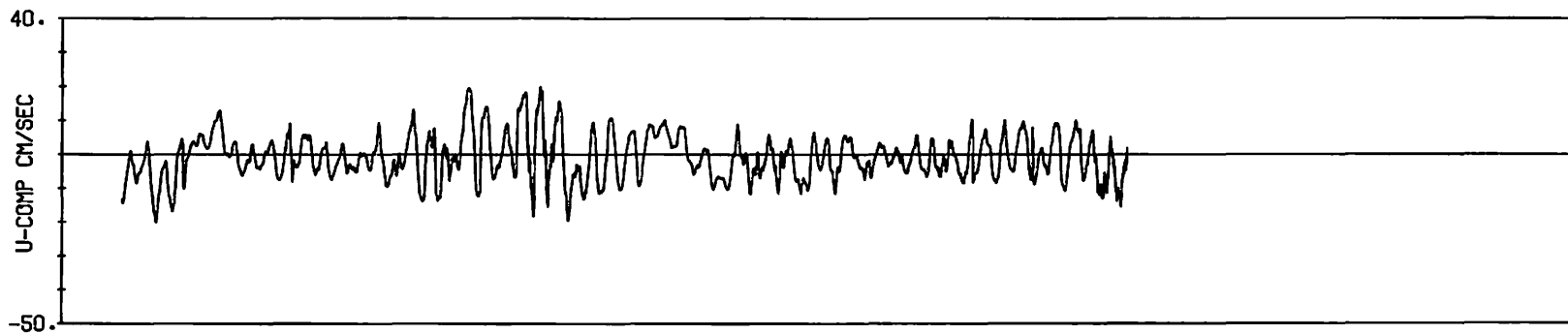
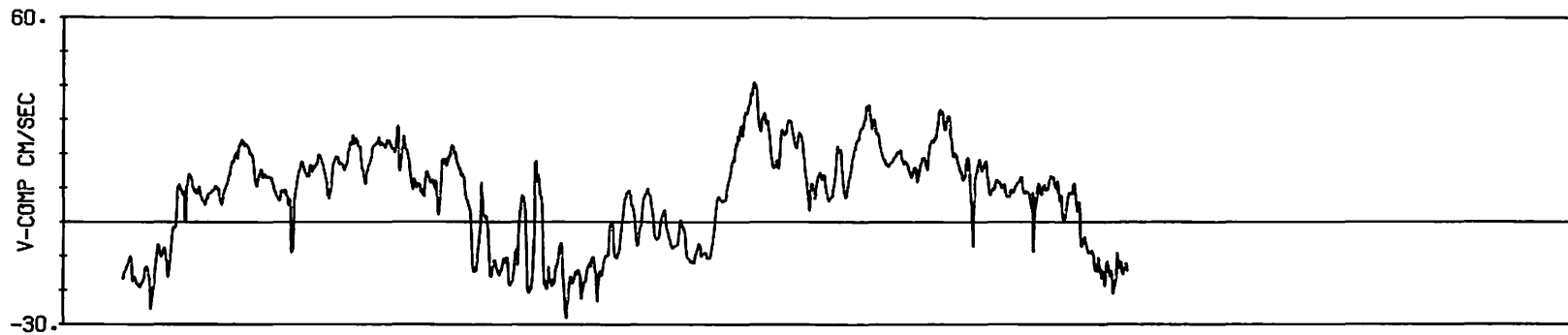


02/06/73

INSHORE 50 METERS

03/22/73

A-77

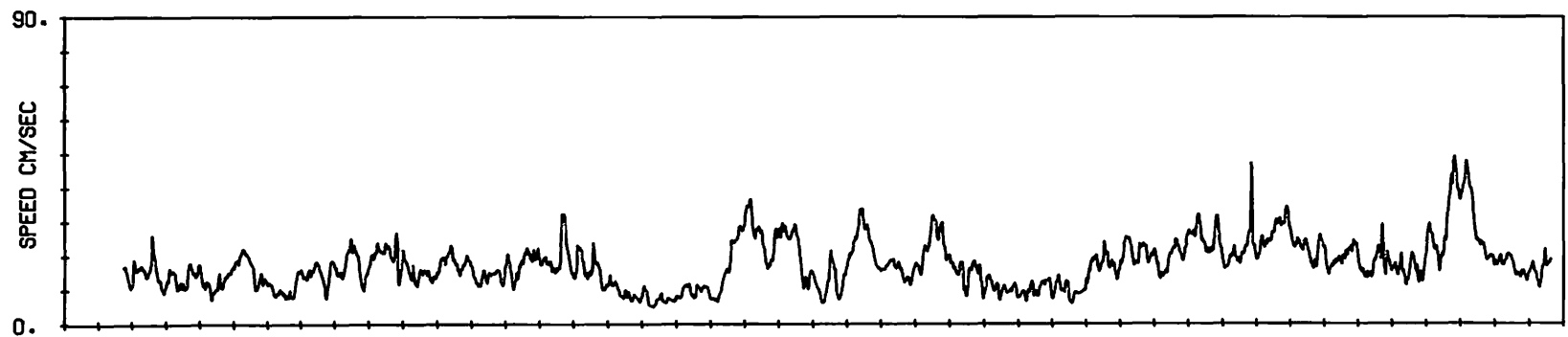
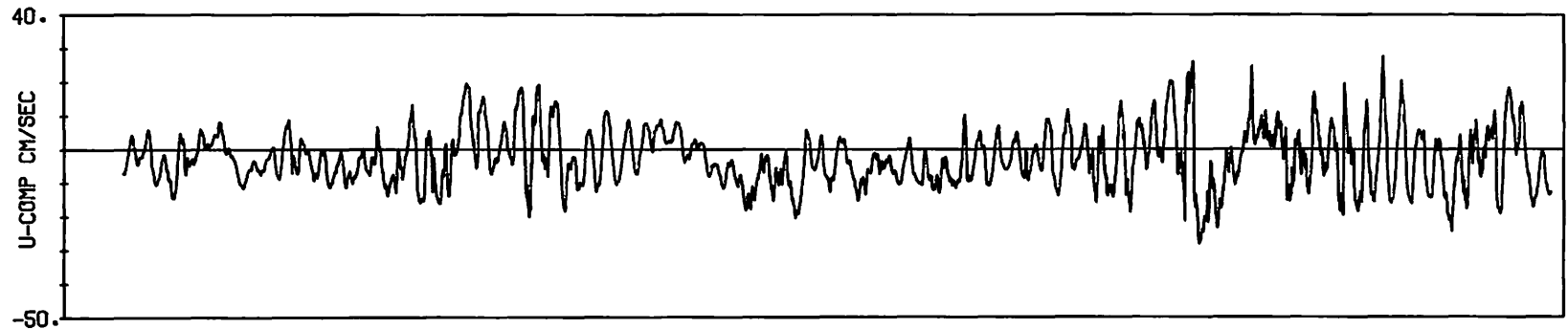
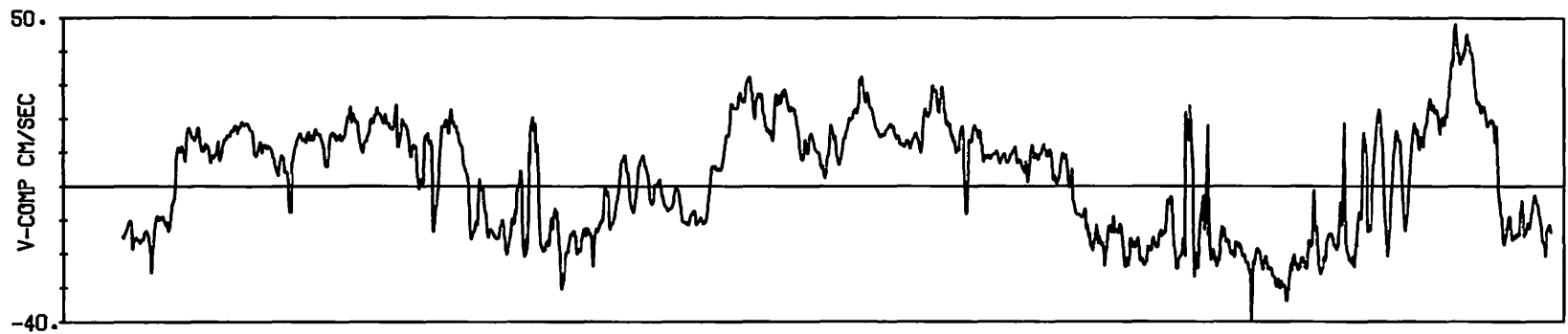


02/06/73

INSHORE 66 METERS

03/22/73

A-78

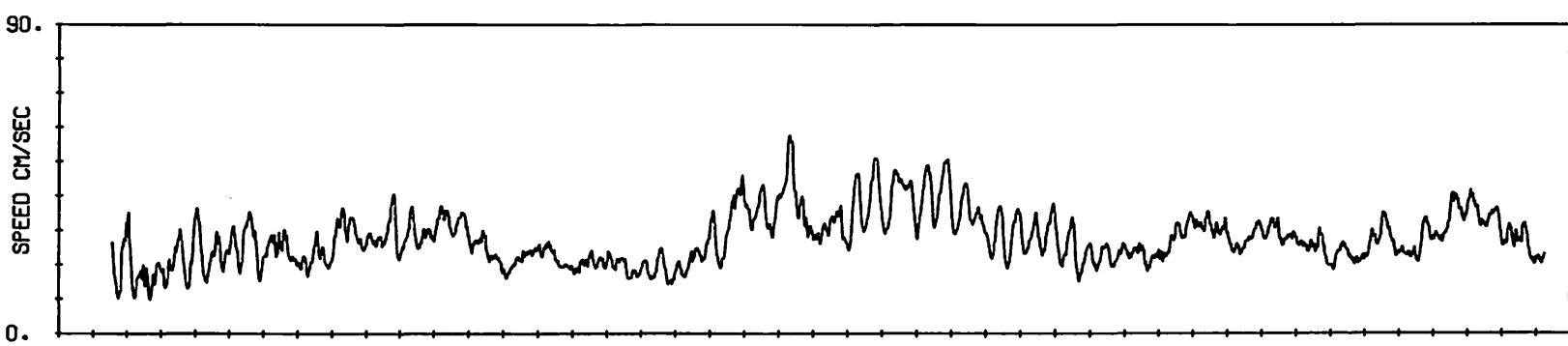
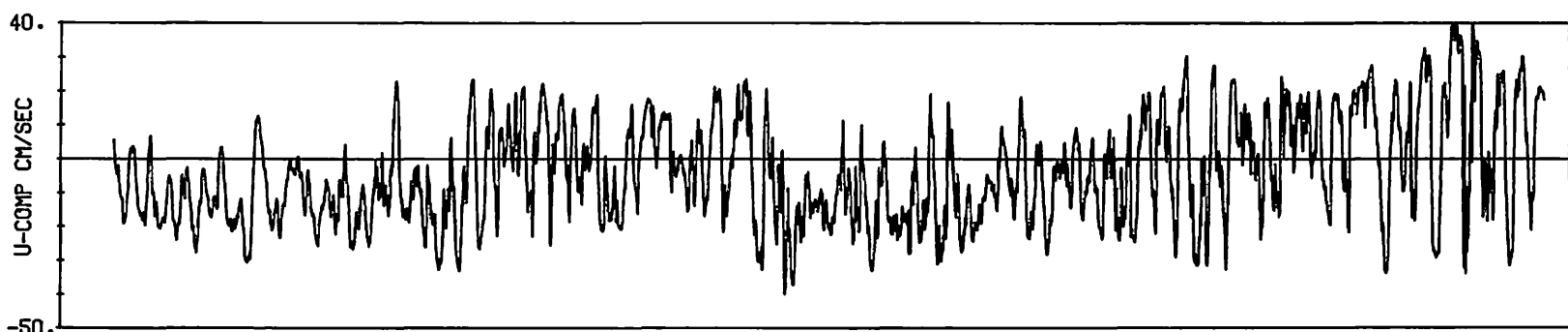
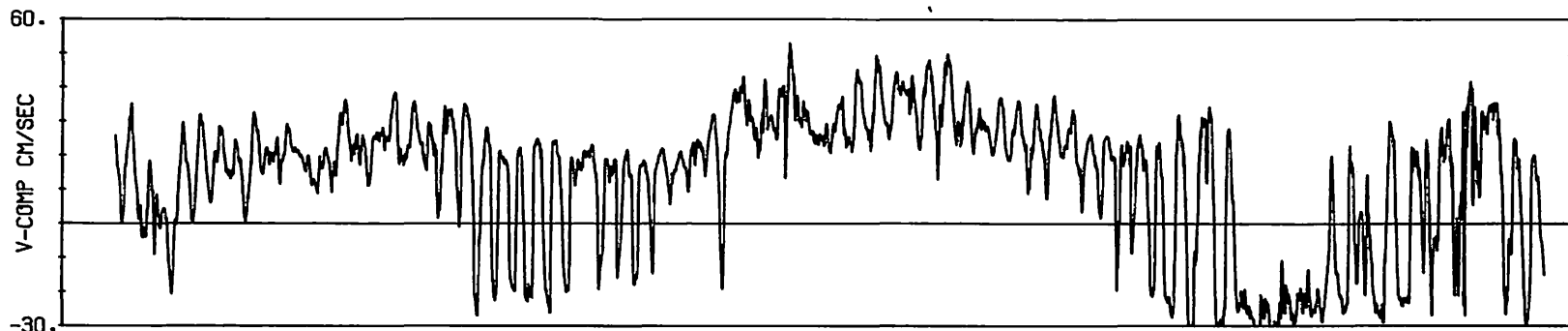


02/06/73

INSHORE 71 METERS

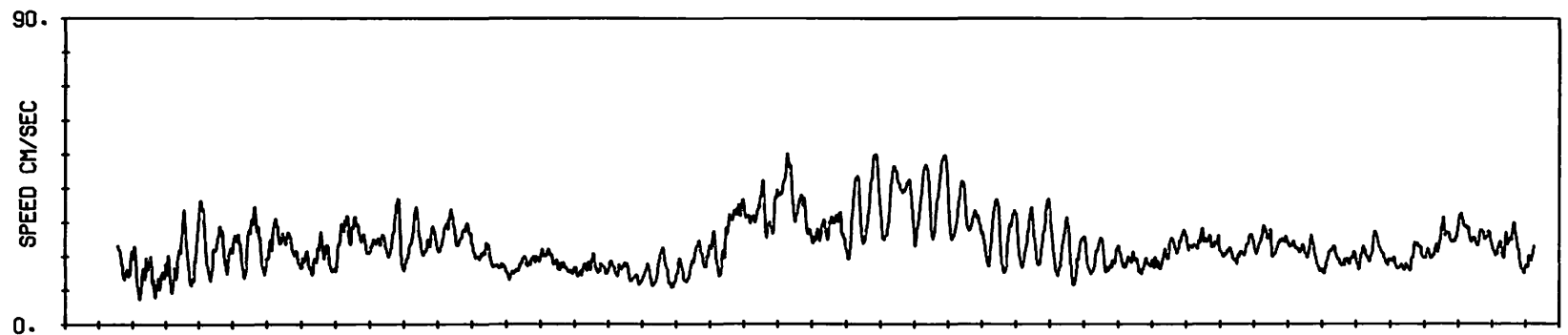
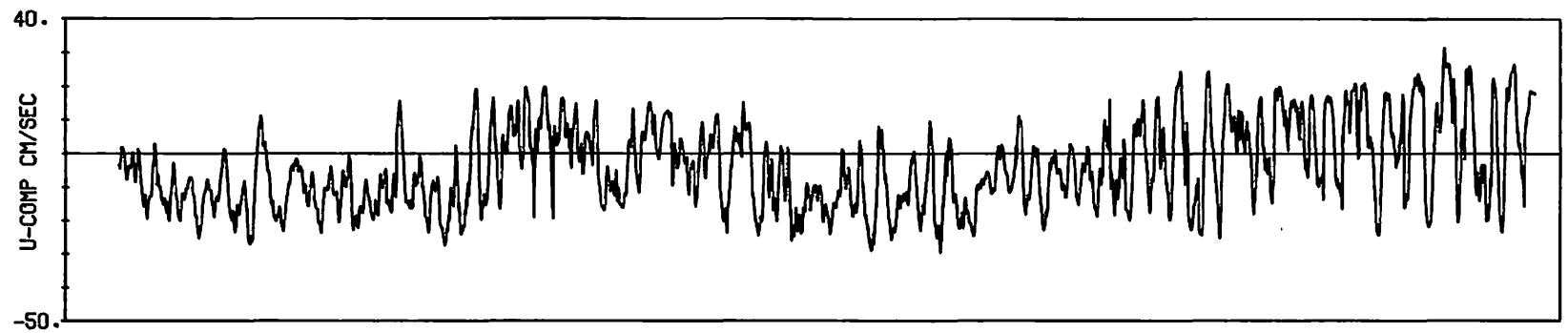
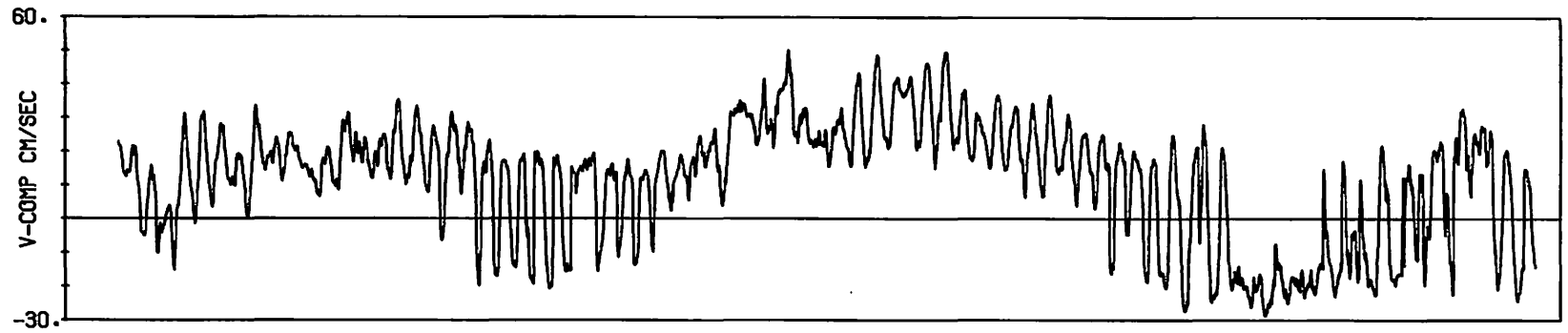
03/22/73

A-79



02/06/73 OFFSHORE 15 METERS 03/22/73

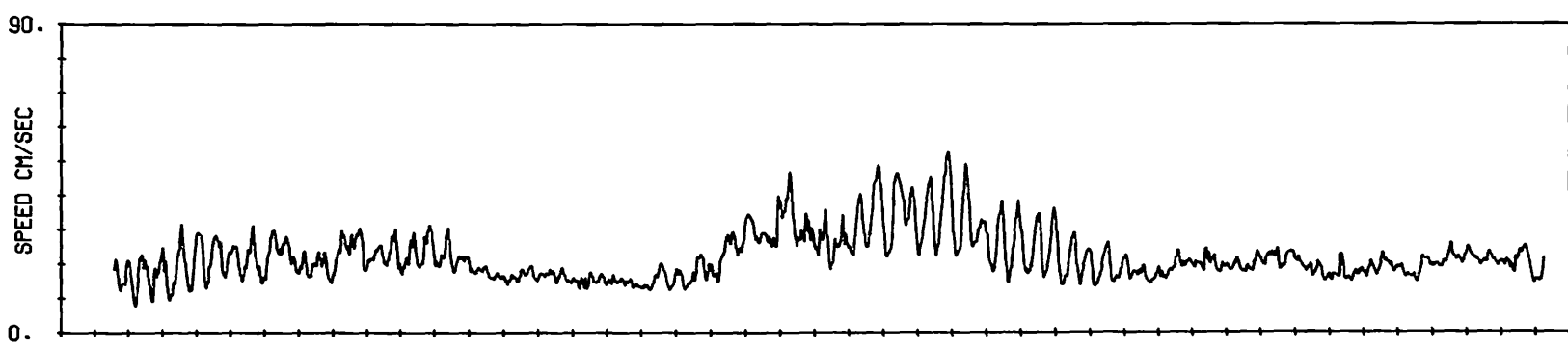
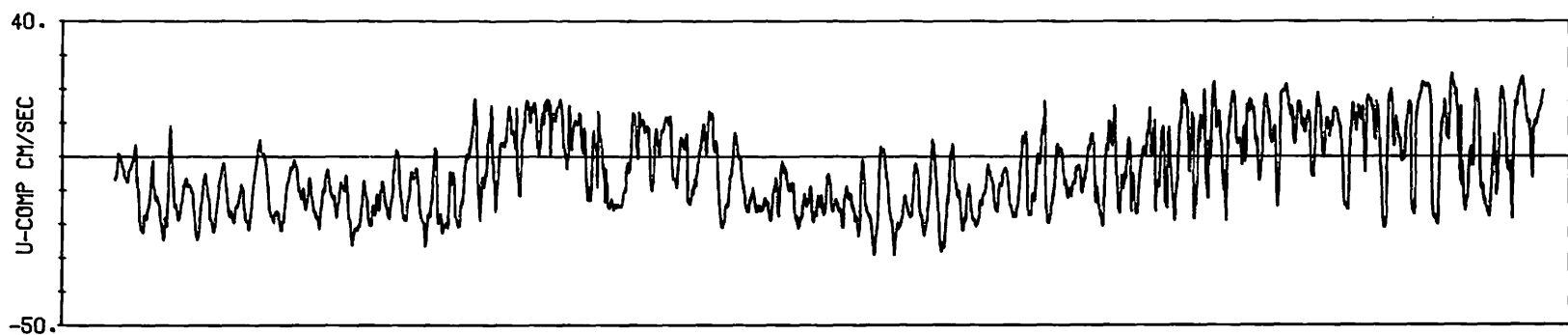
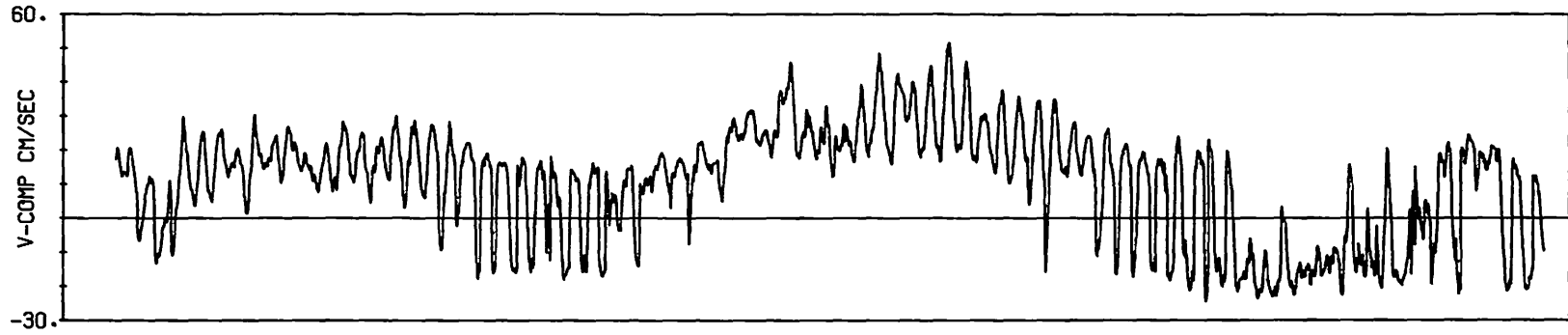
A - 80



02/06/73

OFFSHORE 26 METERS

03/22/73

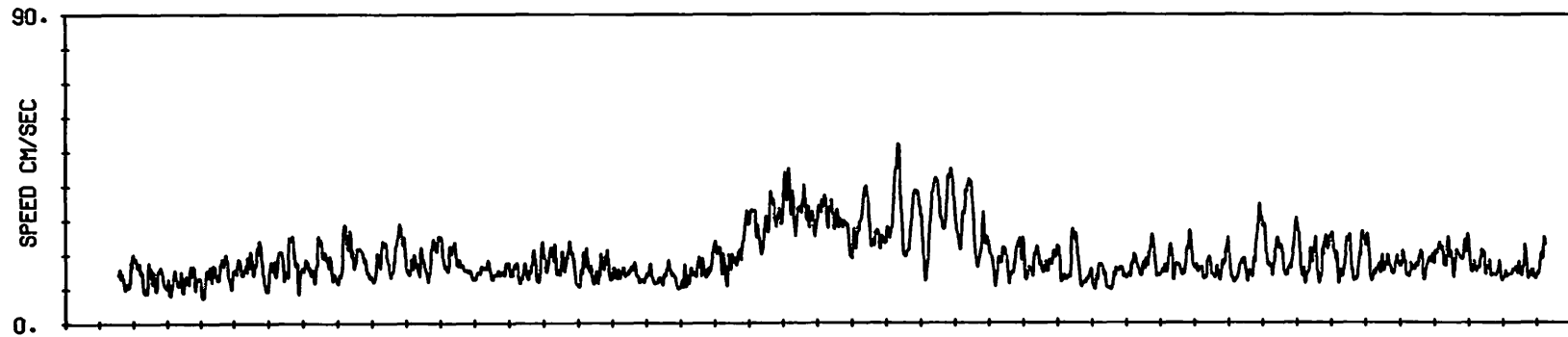
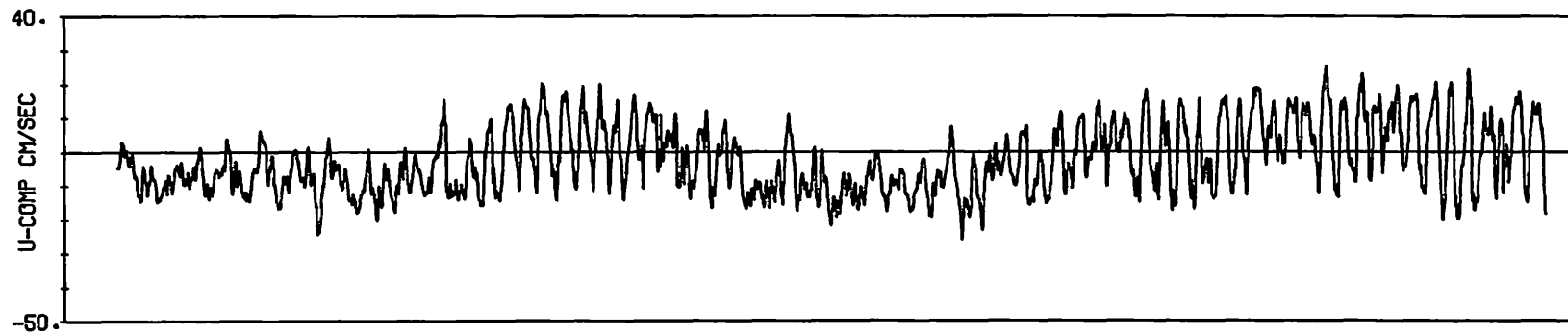
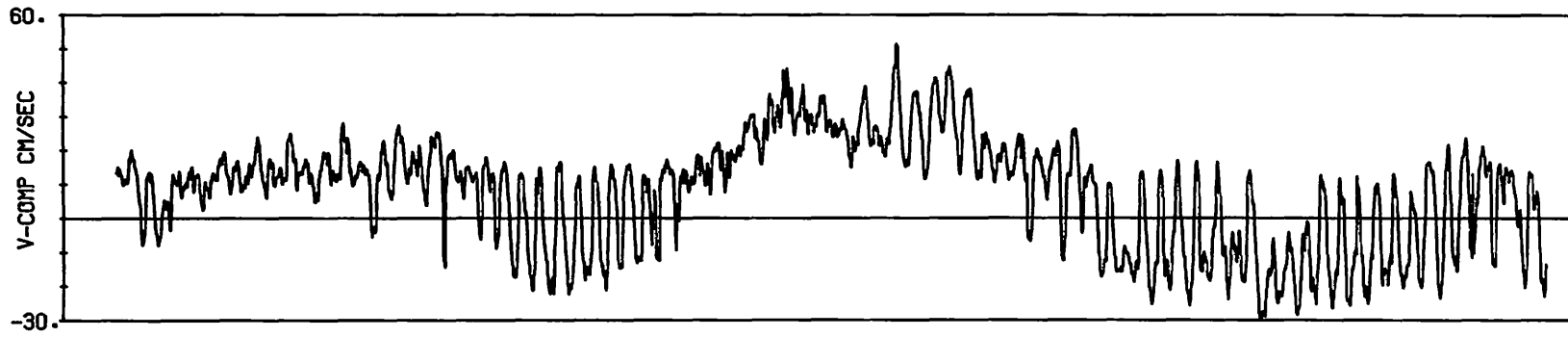


02/06/73

OFFSHORE 51 METERS

03/22/73

A-82

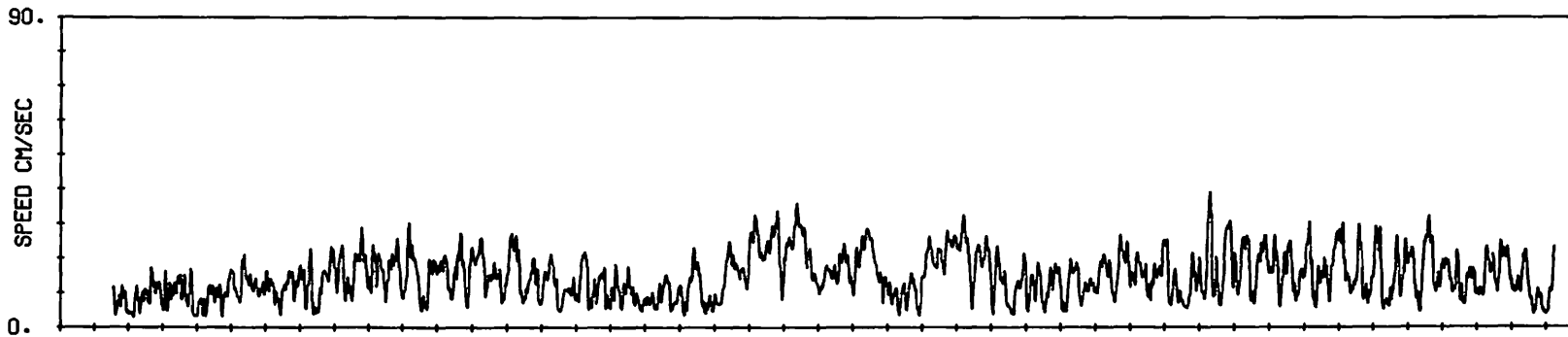
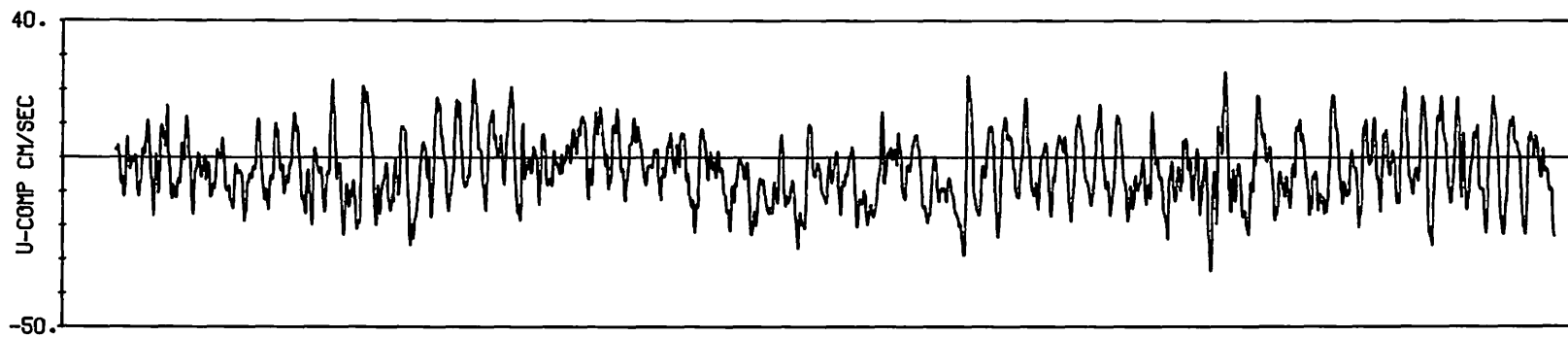
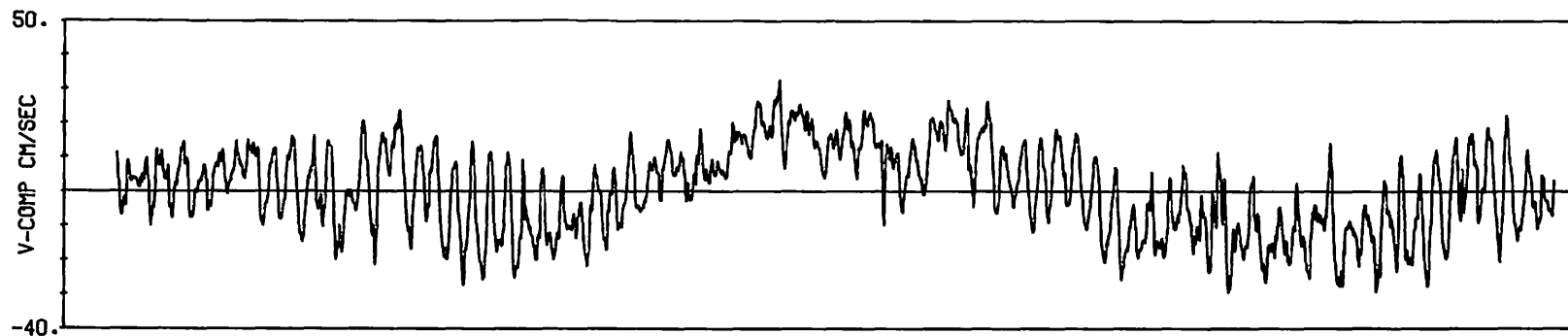


02/06/73

OFFSHORE 106 METERS

03/22/73

A - 83

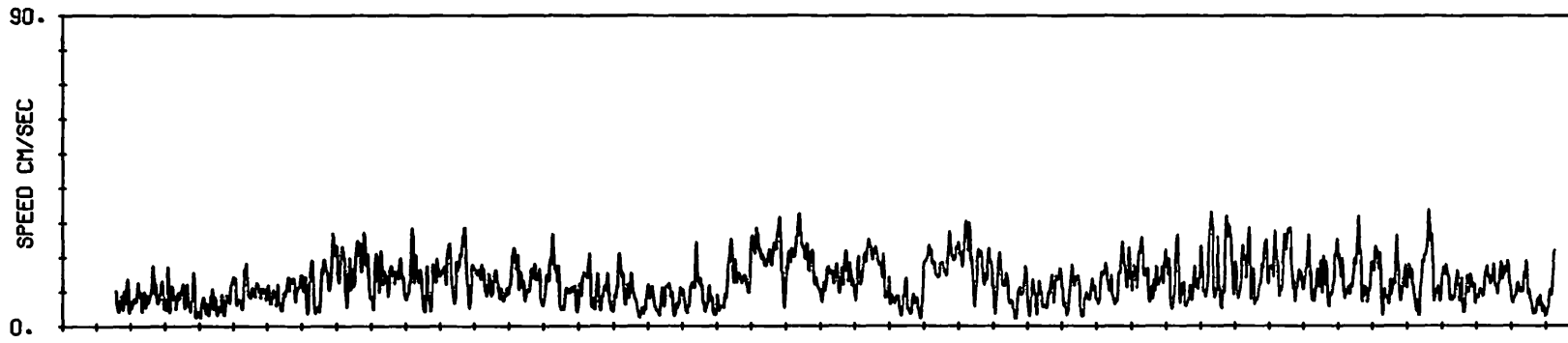
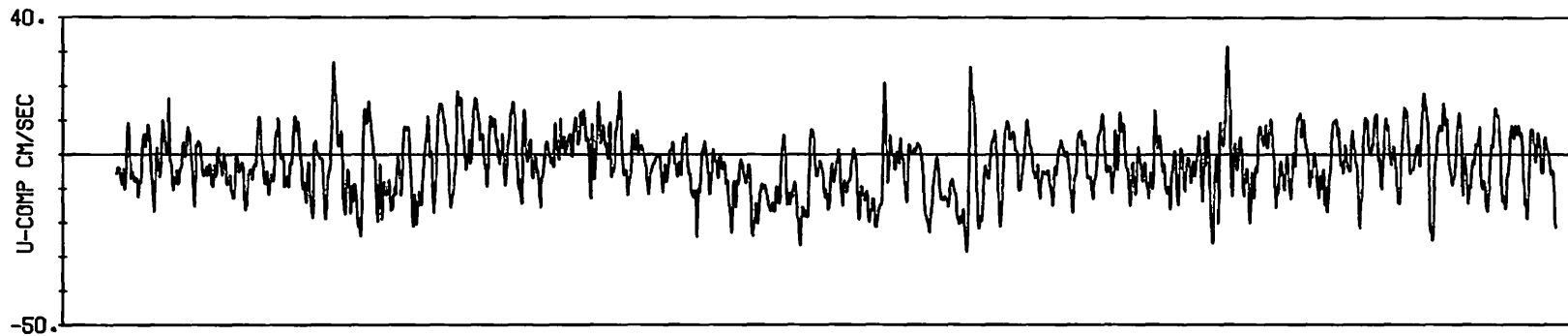
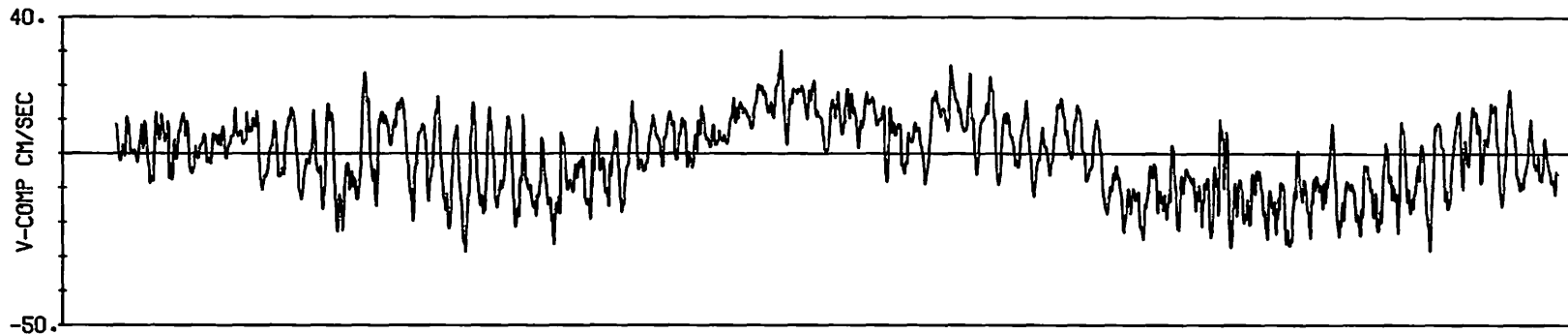


02/06/73

OFFSHORE 153 METERS

03/22/73

A - 84

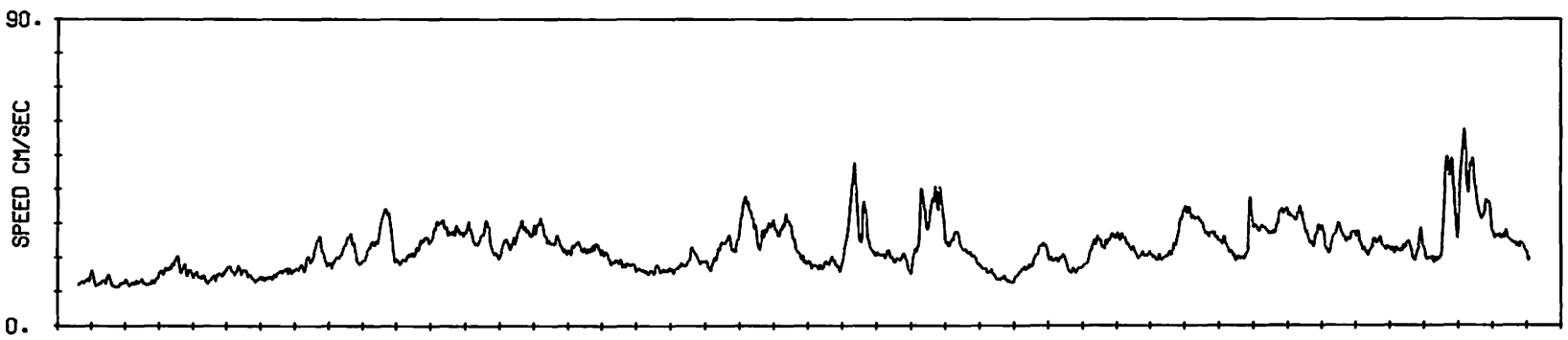
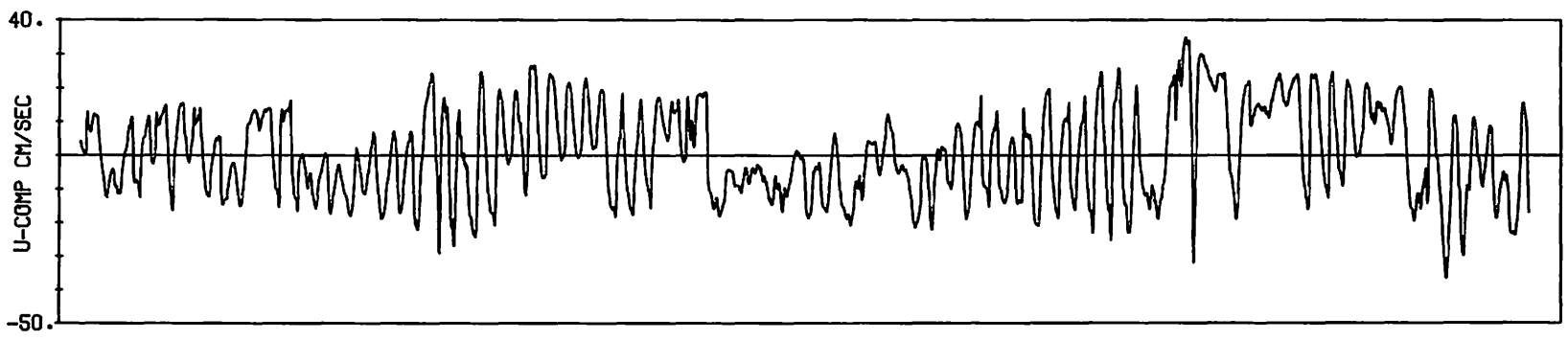
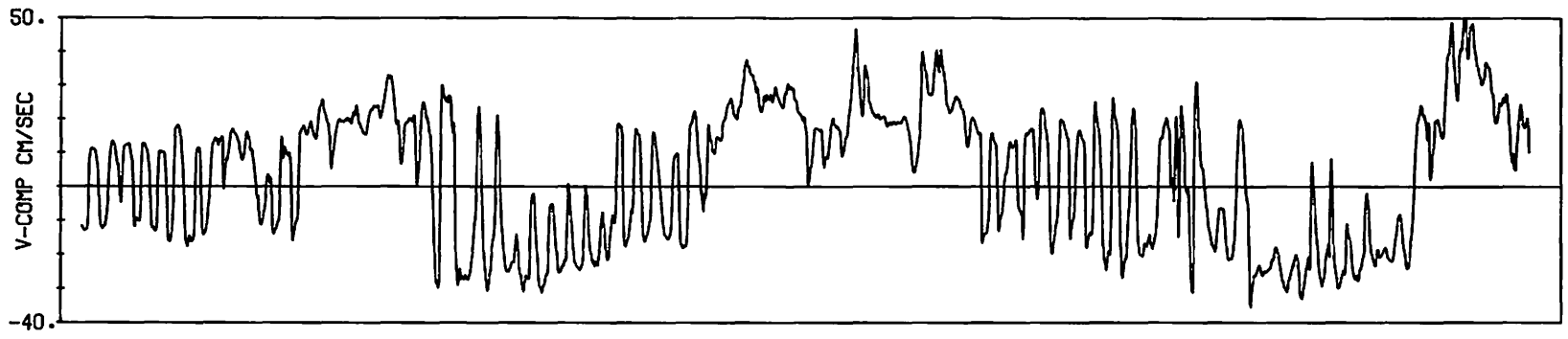


02/06/73

OFFSHORE 158 METERS

03/22/73

A - 85

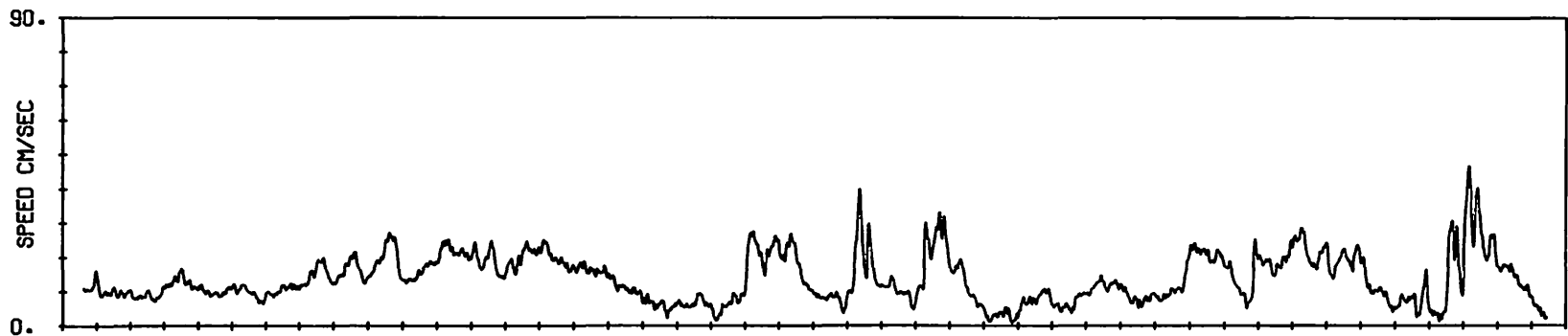
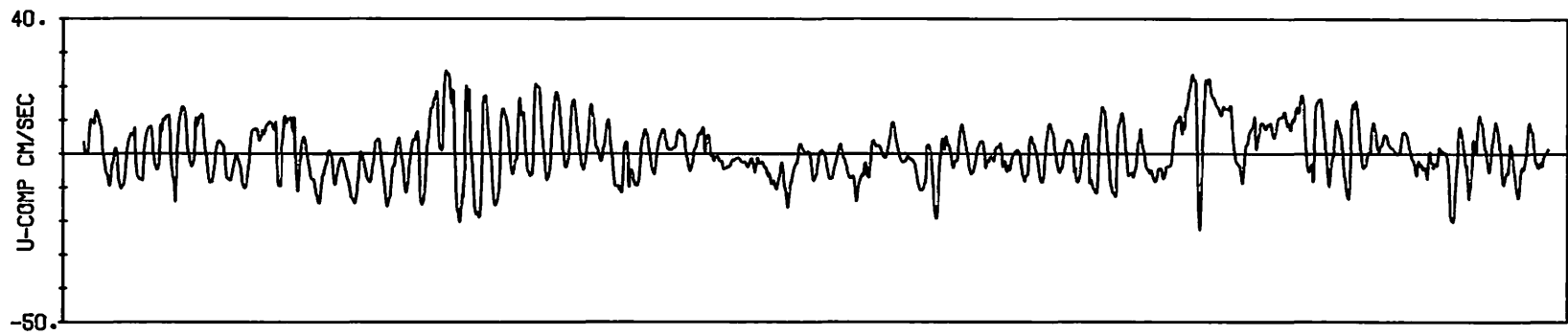
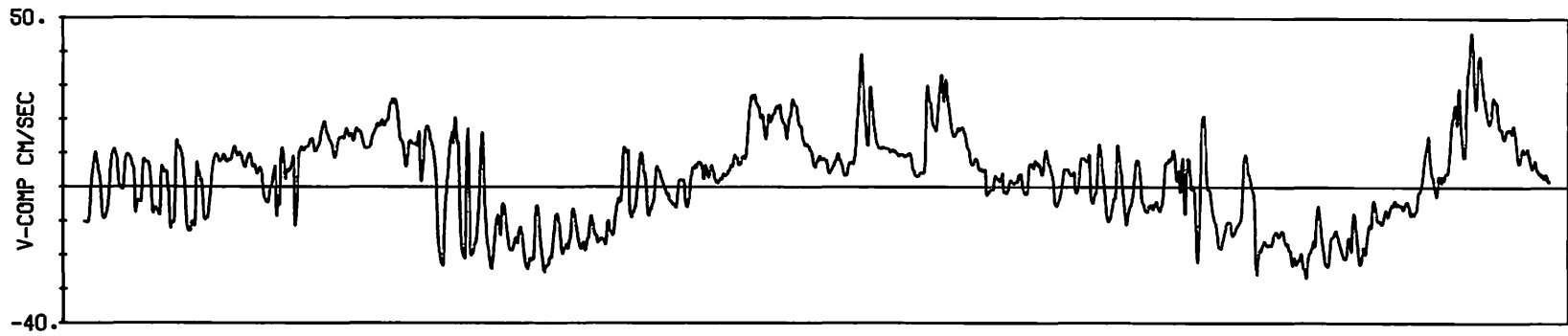


02/06/73

WESTPORT 63 METERS

03/22/73

A-86

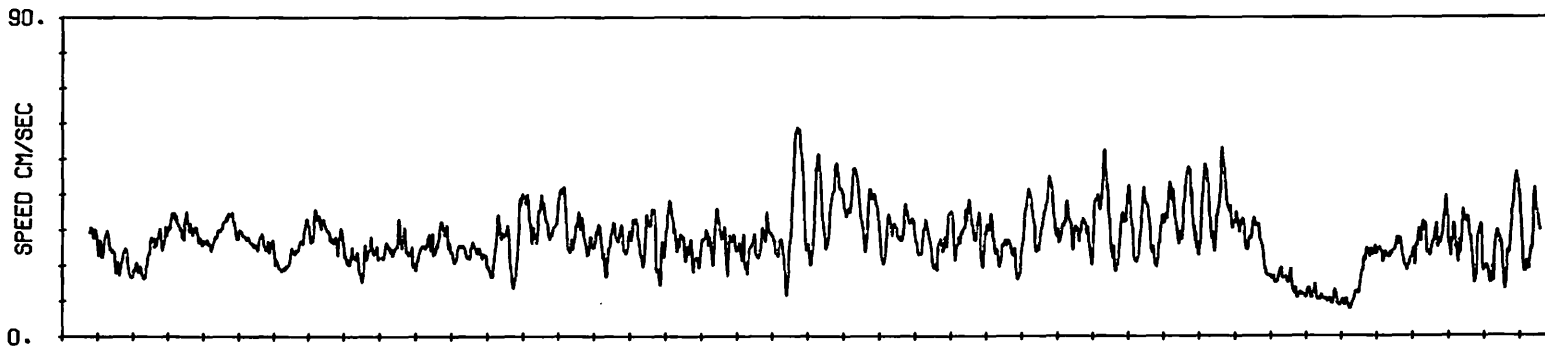
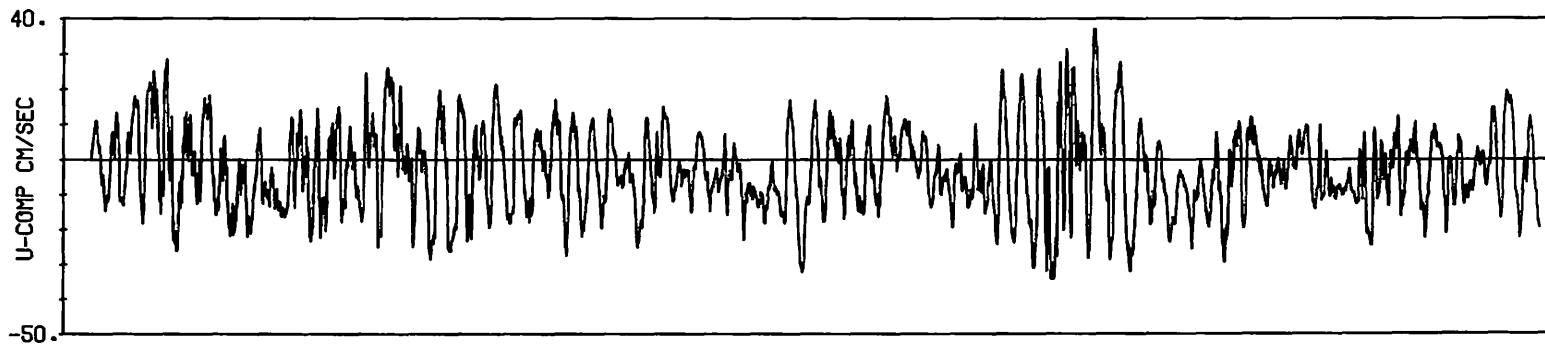
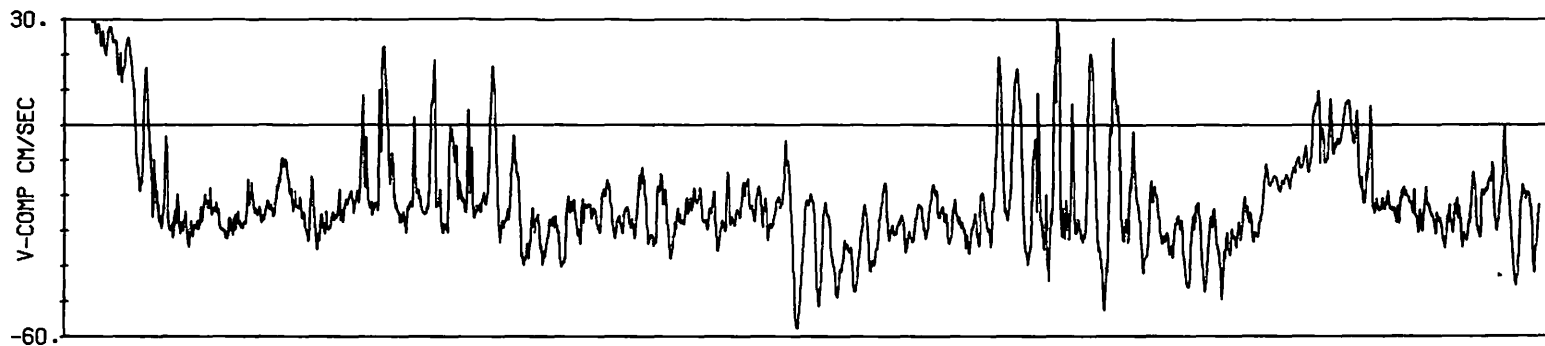


02/06/73

WESTPORT 68 METERS

03/22/73

A - 87

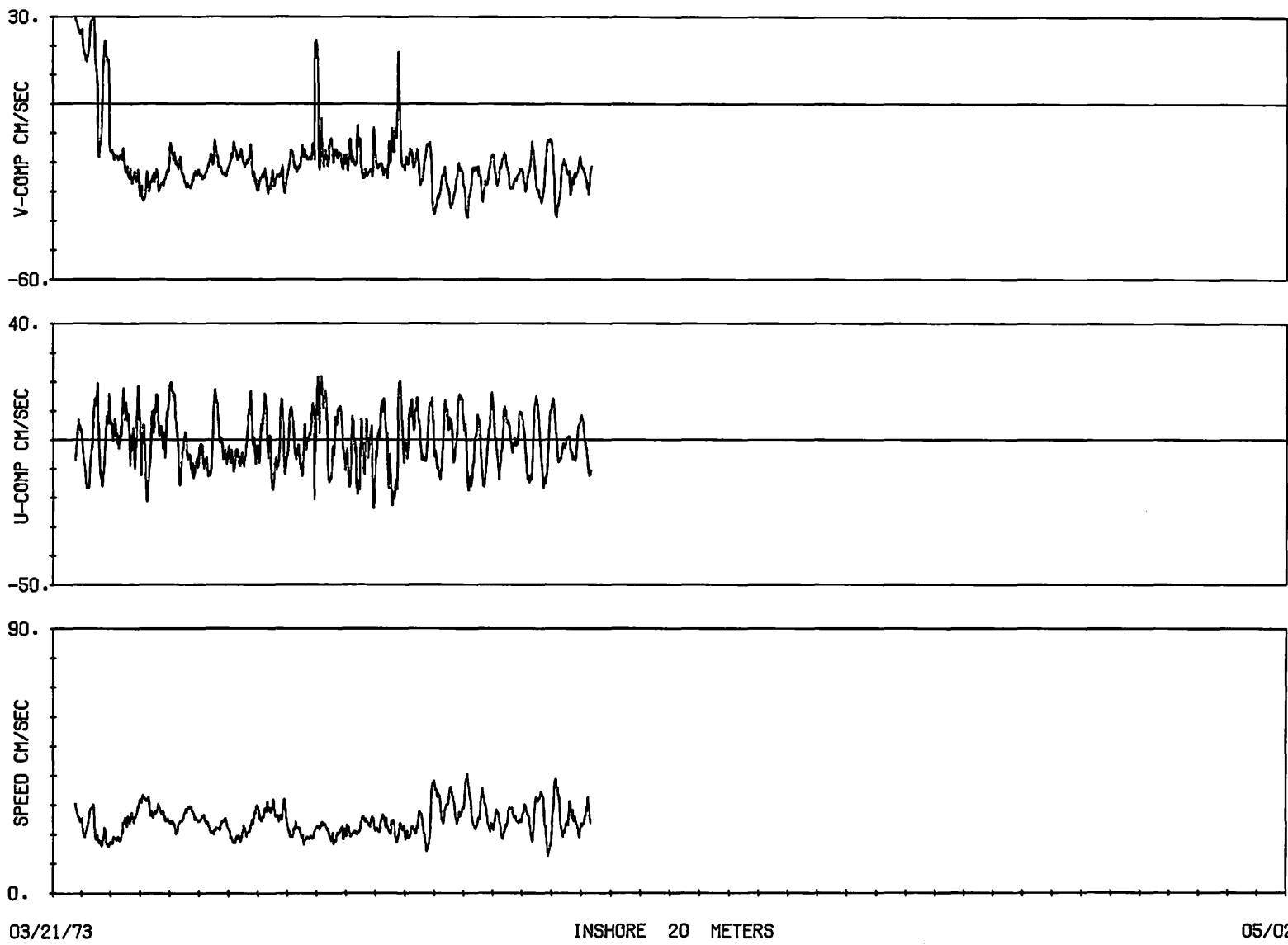


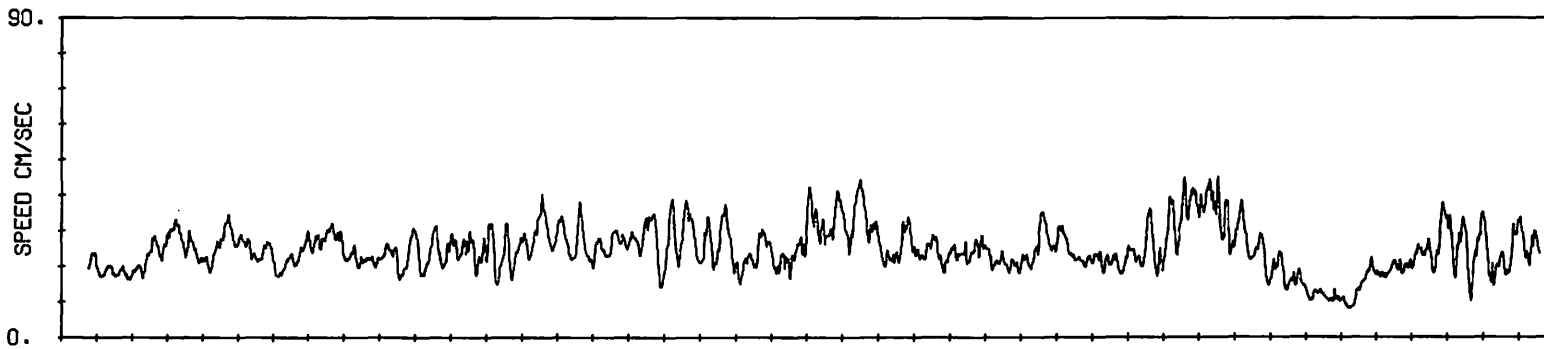
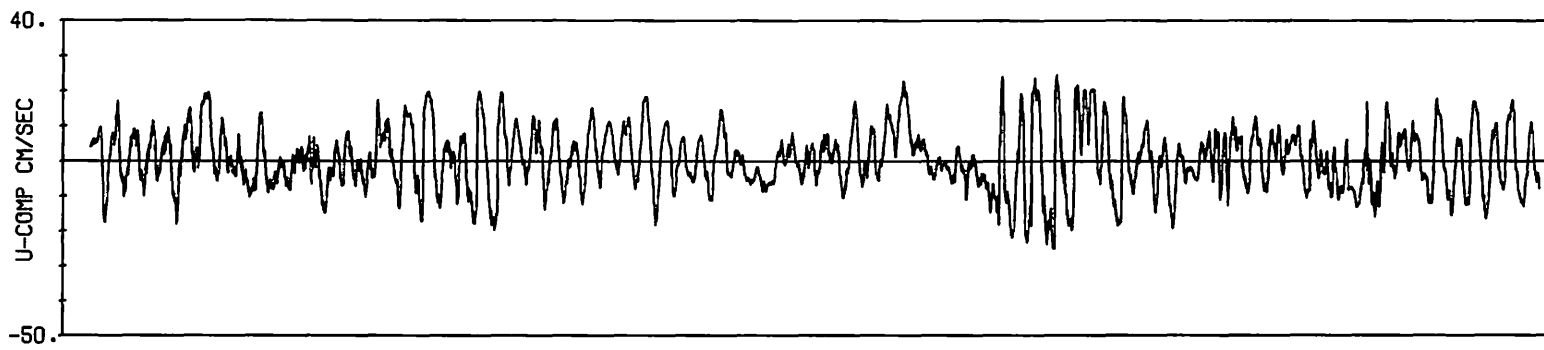
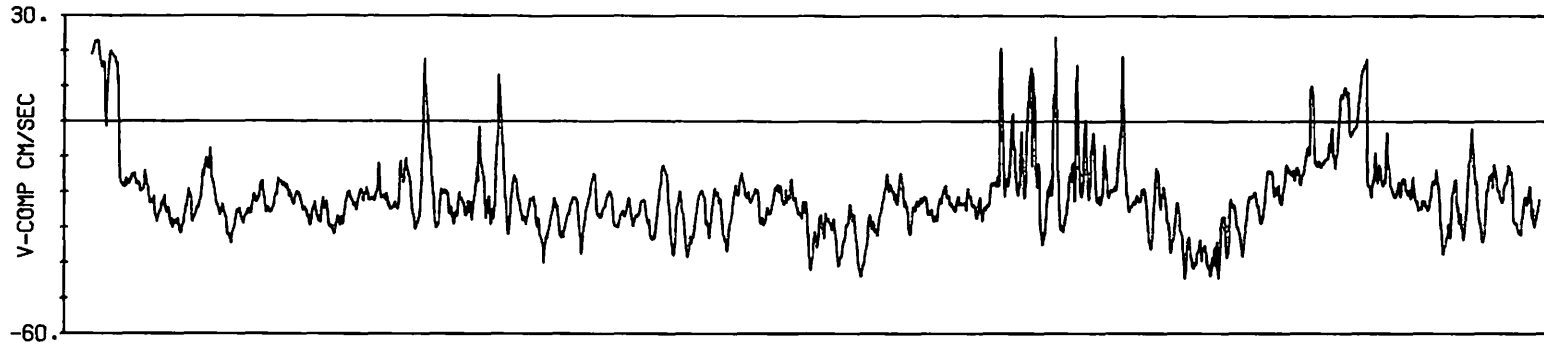
03/21/73

INSHORE 15 METERS

05/02/73

A - 88



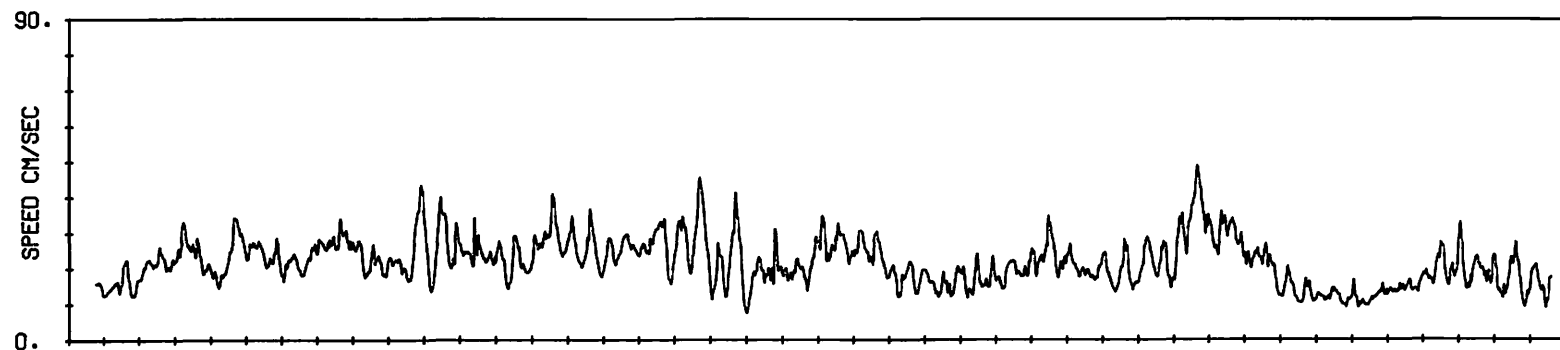
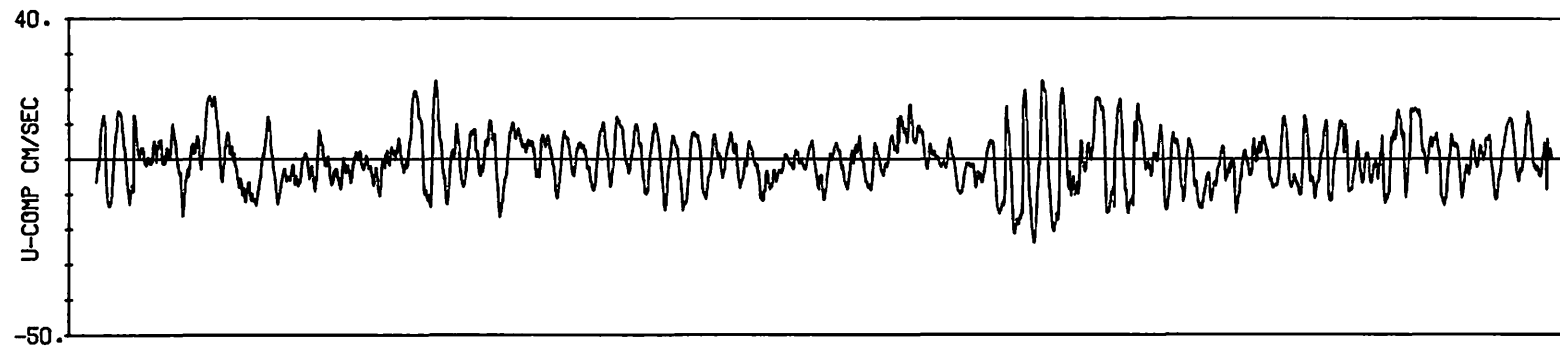
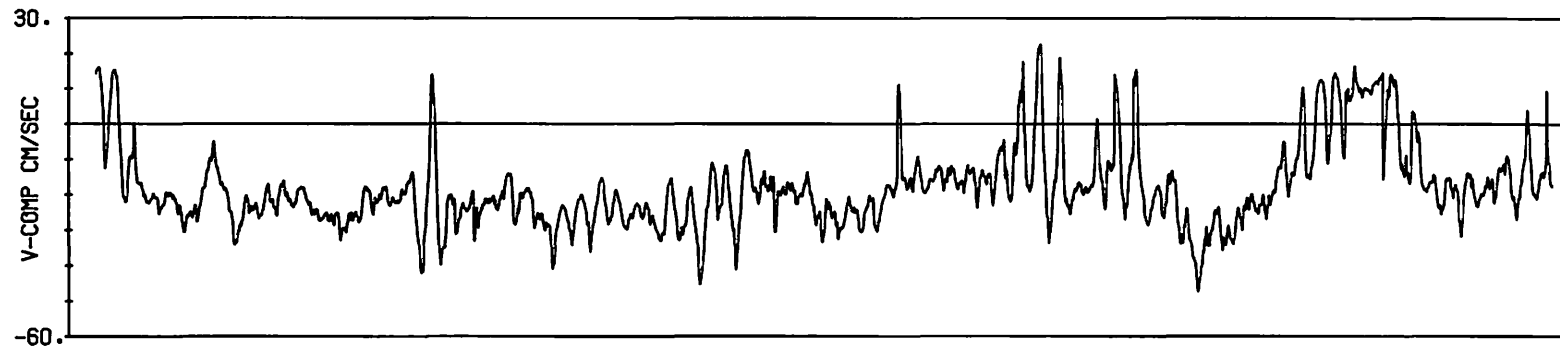


03/21/73

INSHORE 30 METERS

05/02/73

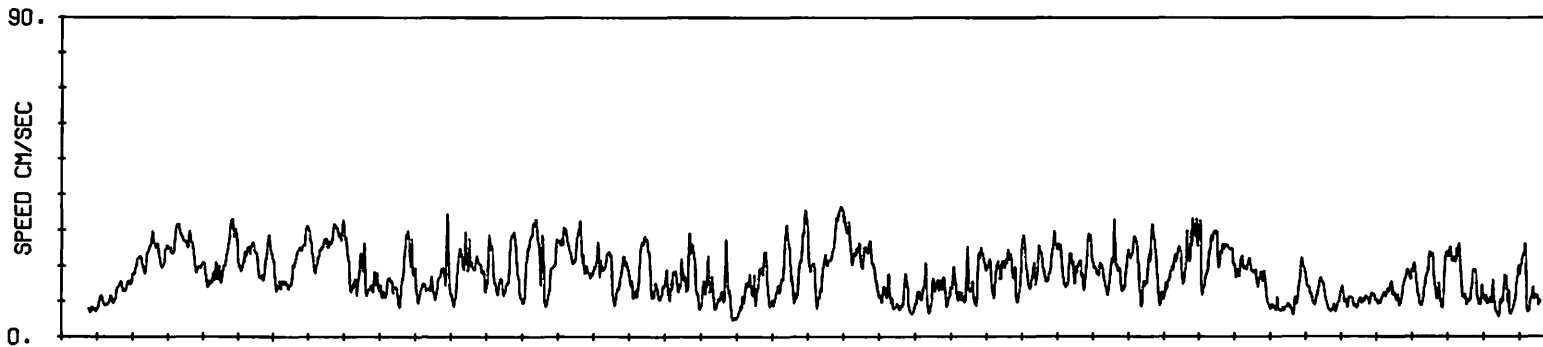
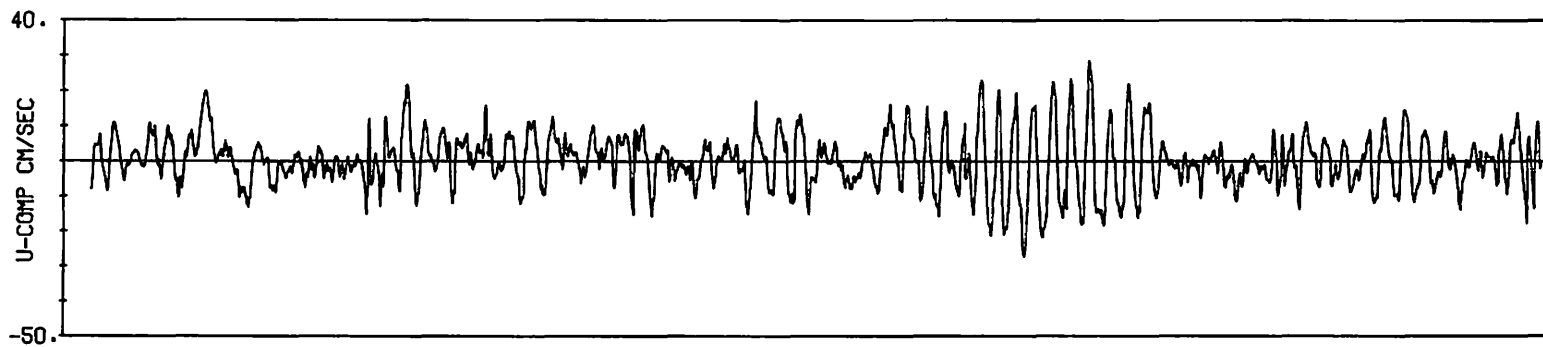
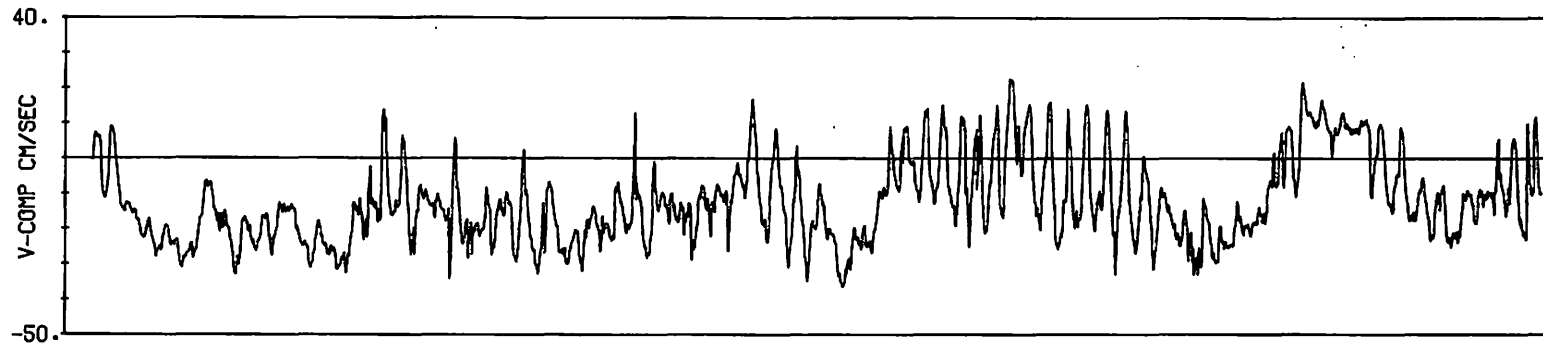
A - 90



03/21/73

INSHORE 50 METERS

05/02/73

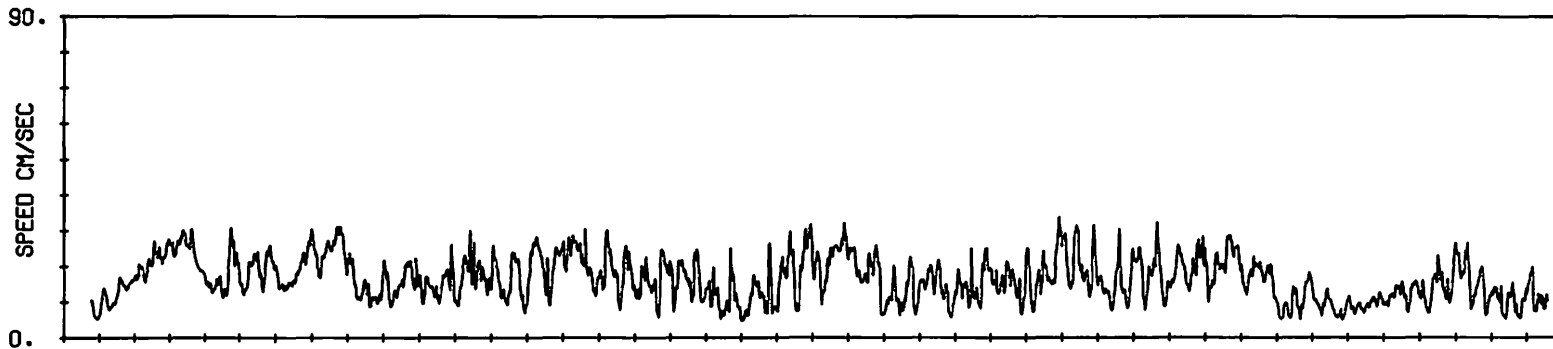
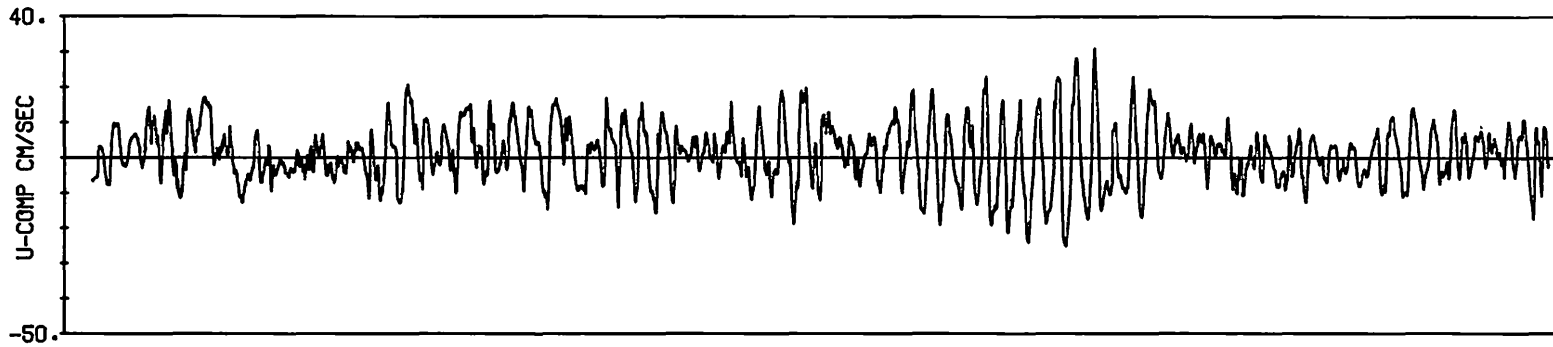
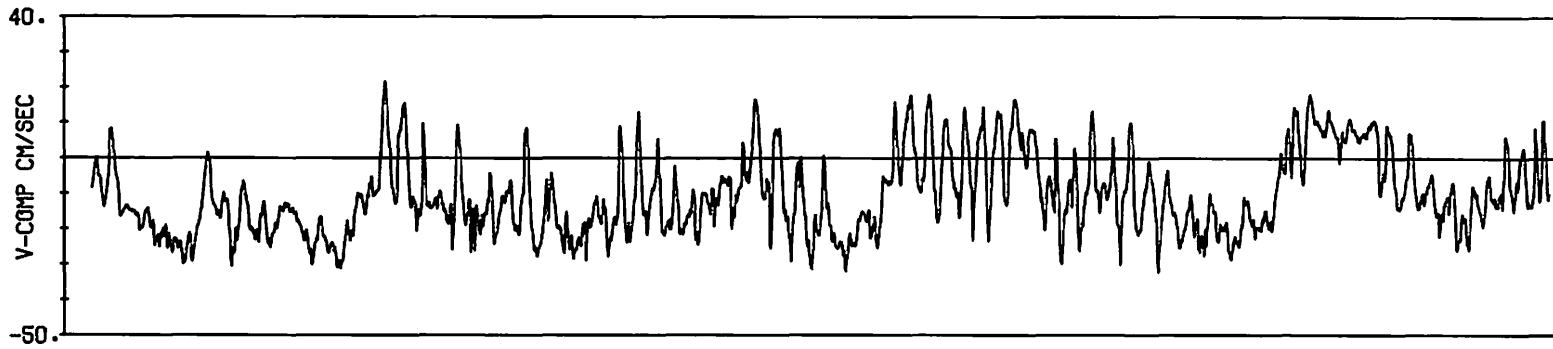


03/21/73

INSHORE 66 METERS

05/02/73

A - 92

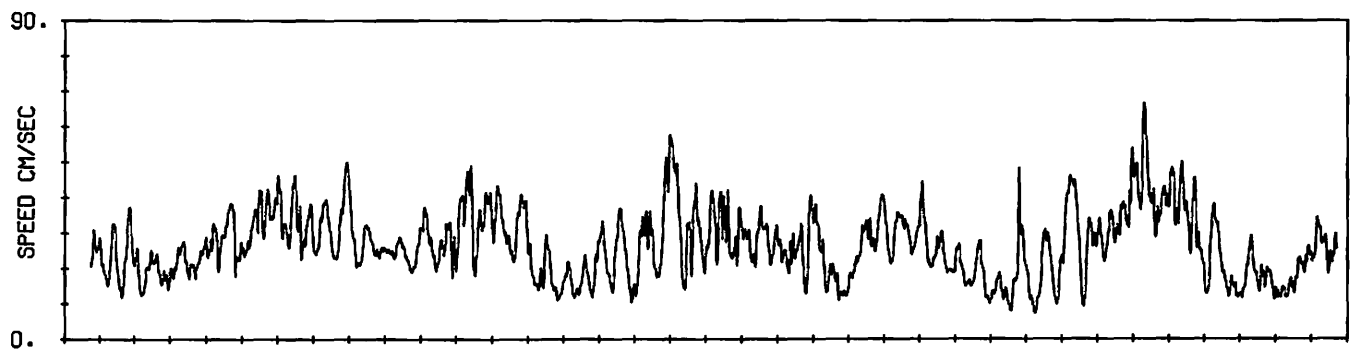
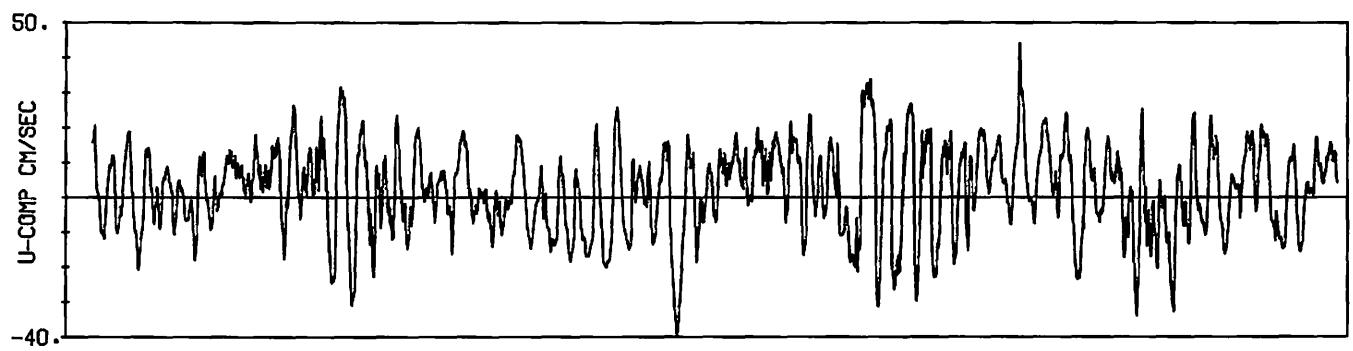
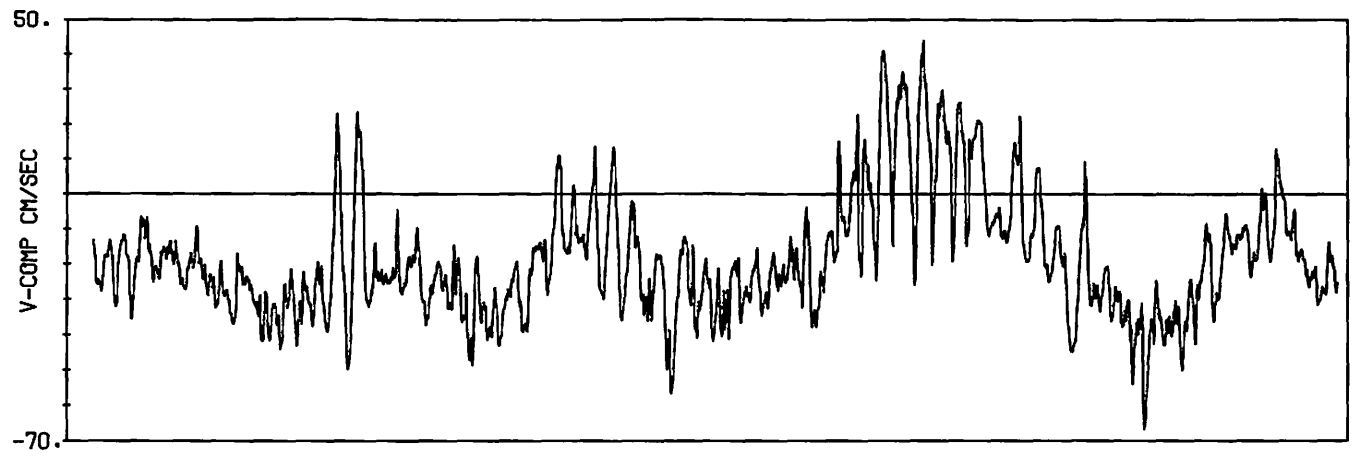


03/21/73

INSHORE 71 METERS

05/02/73

A-93

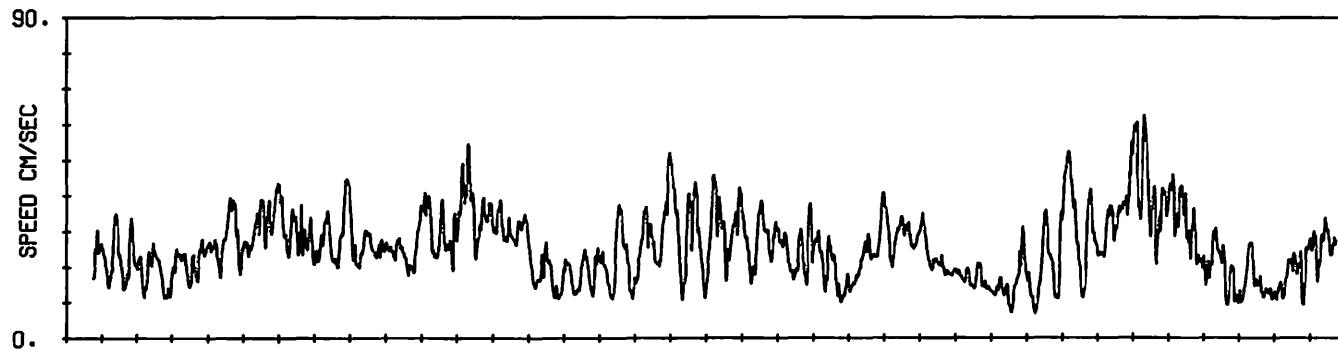
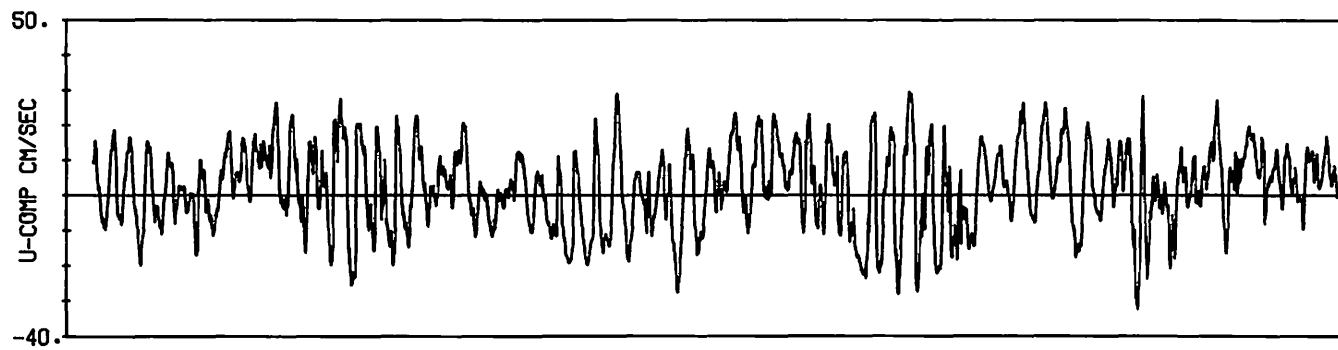
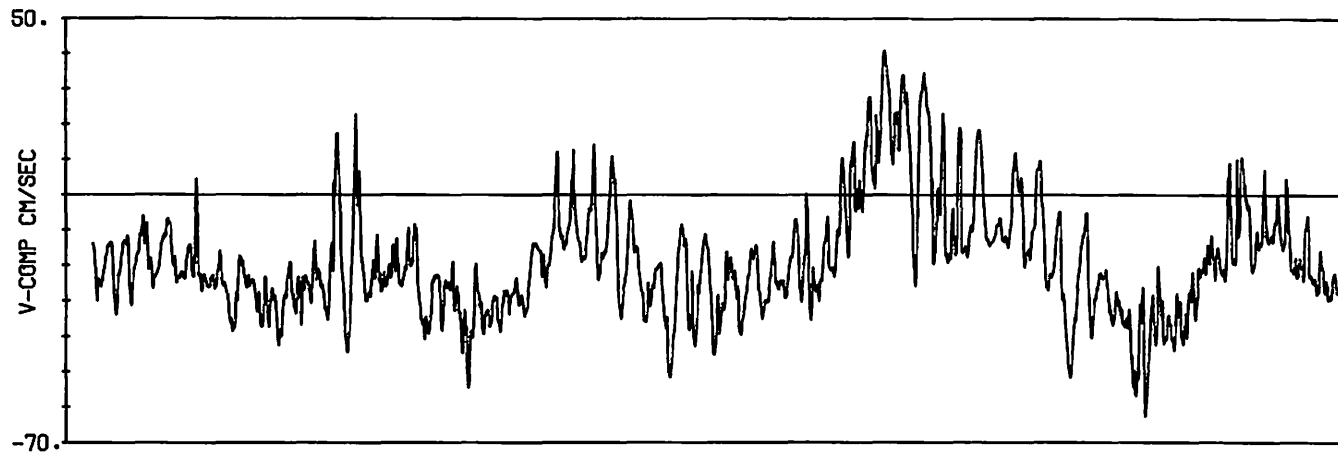


05/01/73

INSHORE 15 METERS

06/06/73

A - 94

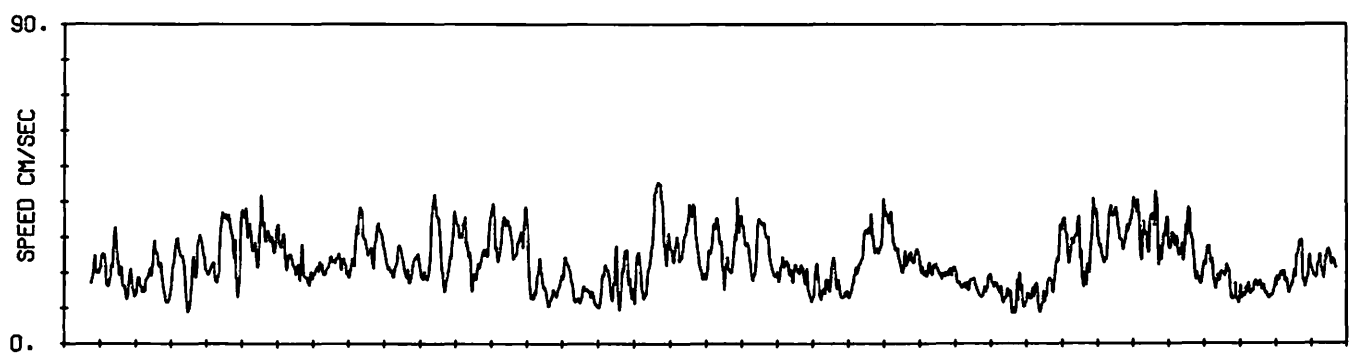
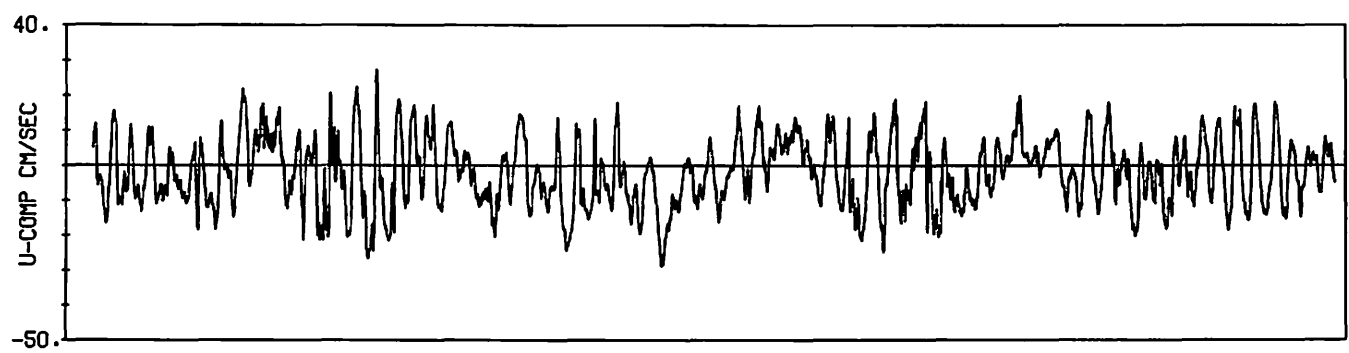
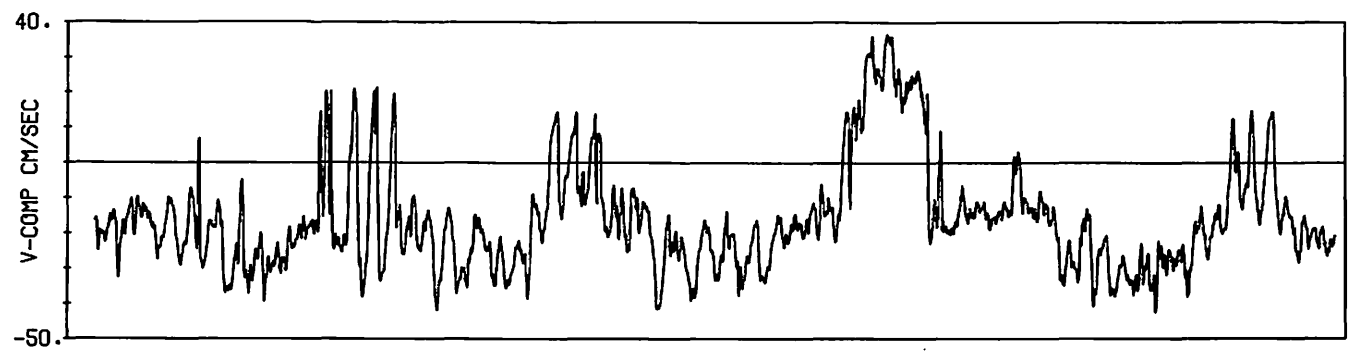


05/01/73

INSHORE 20 METERS

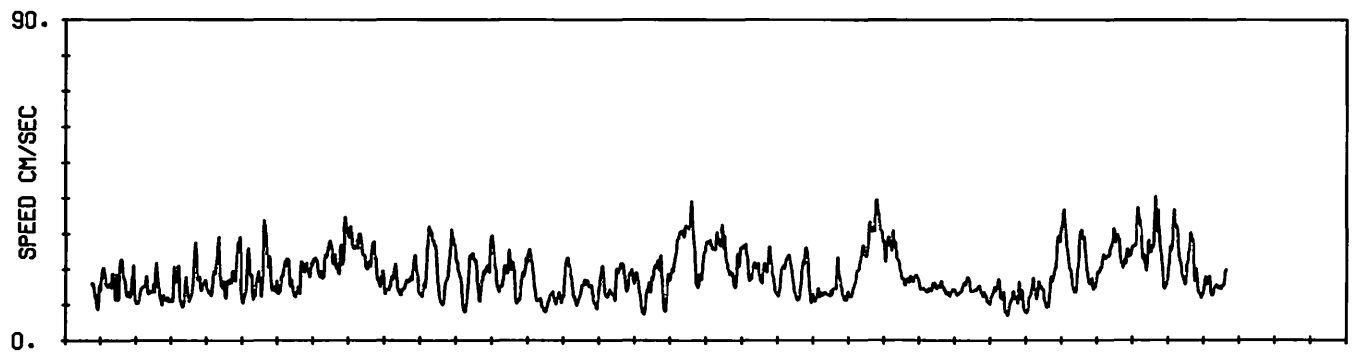
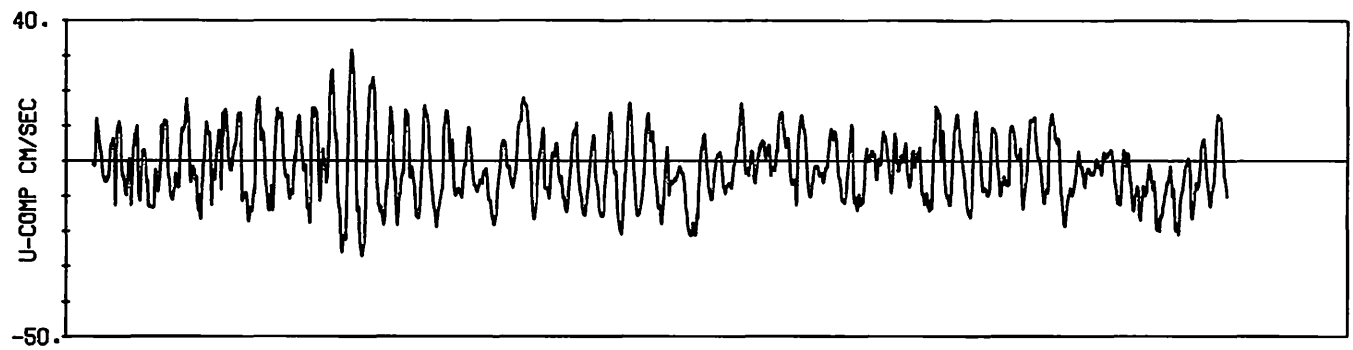
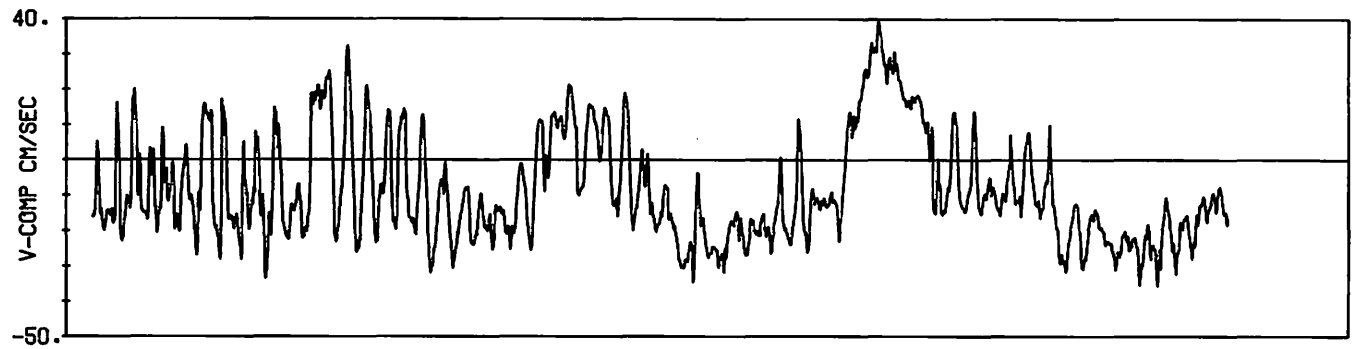
06/06/73

A-95



05/01/73 INSHORE 30 METERS 06/06/73

A - 96

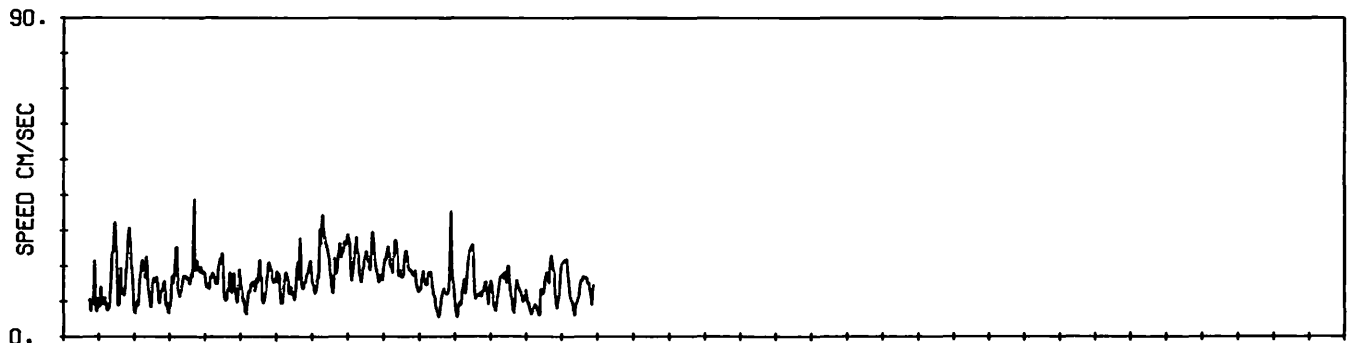
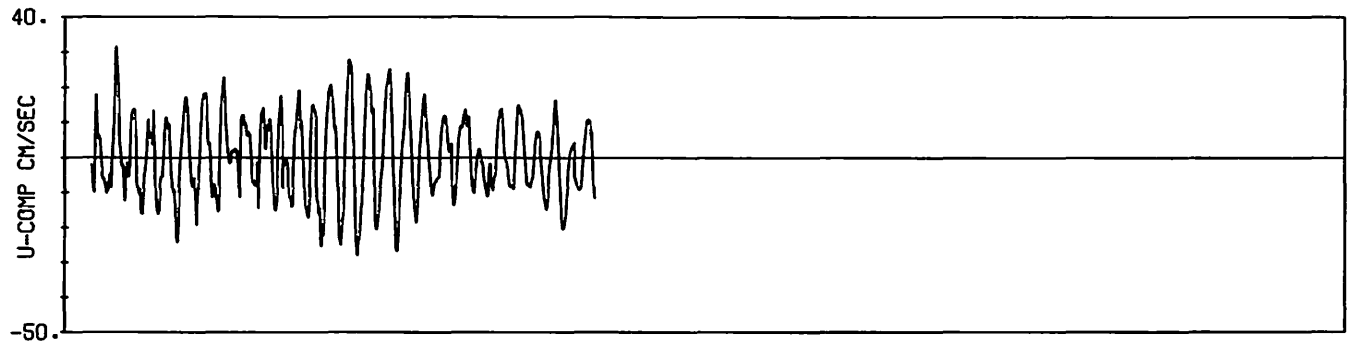
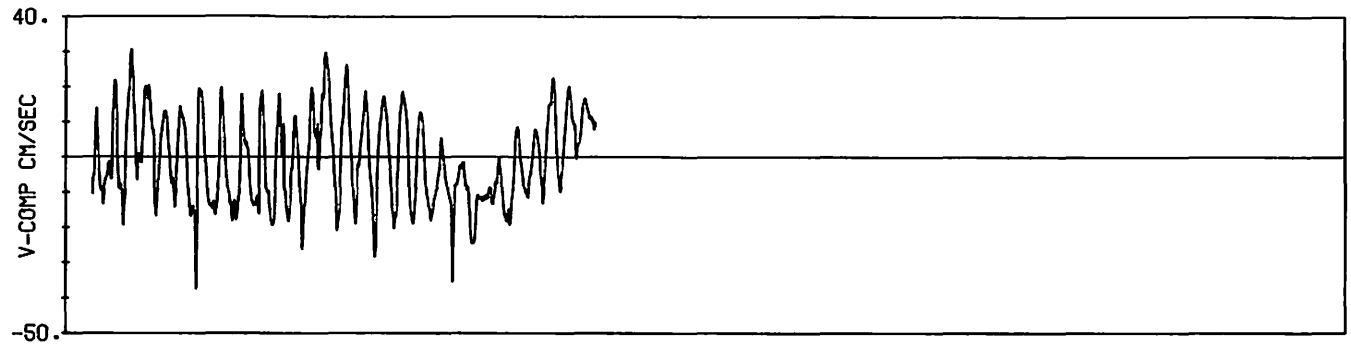


05/01/73

INSHORE 50 METERS

06/06/73

A-97

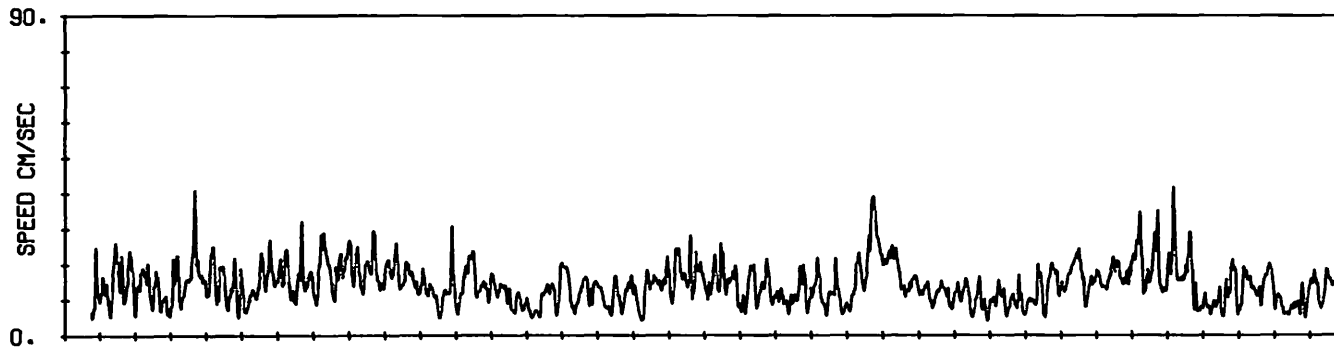
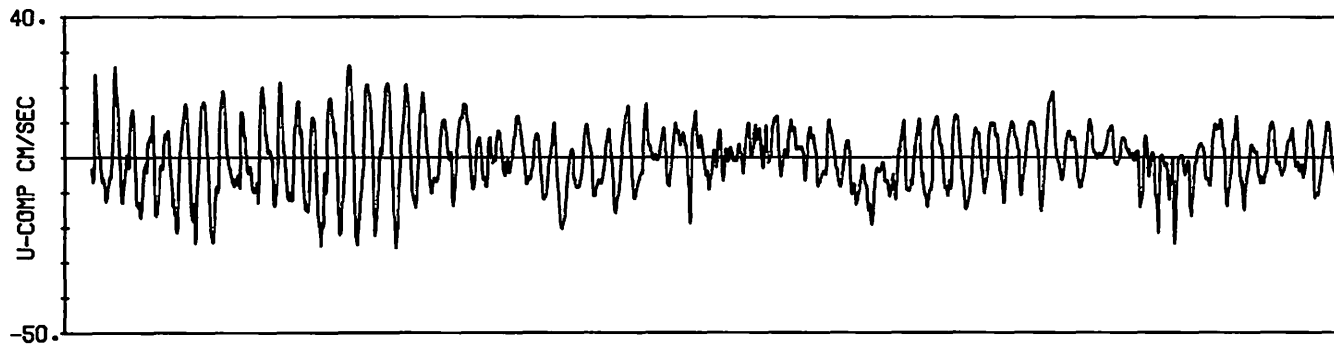
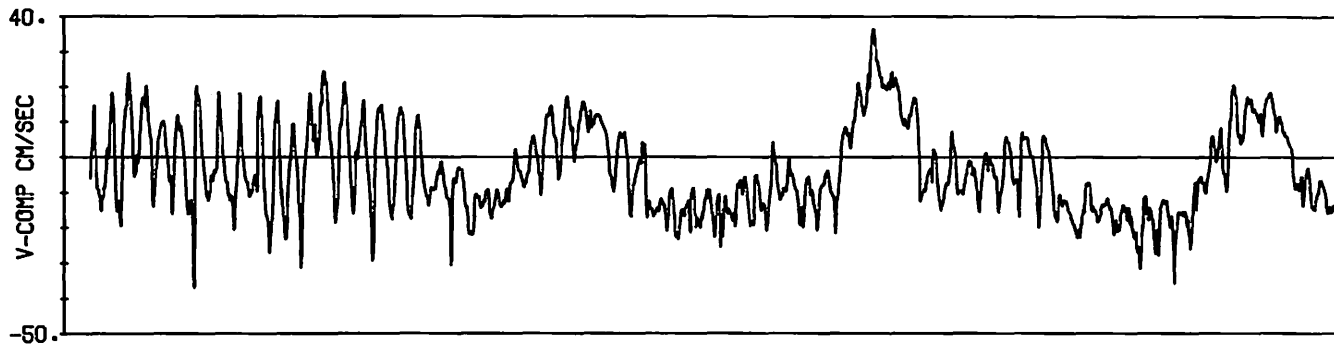


05/01/73

INSHORE 66 METERS

06/06/73

A - 98

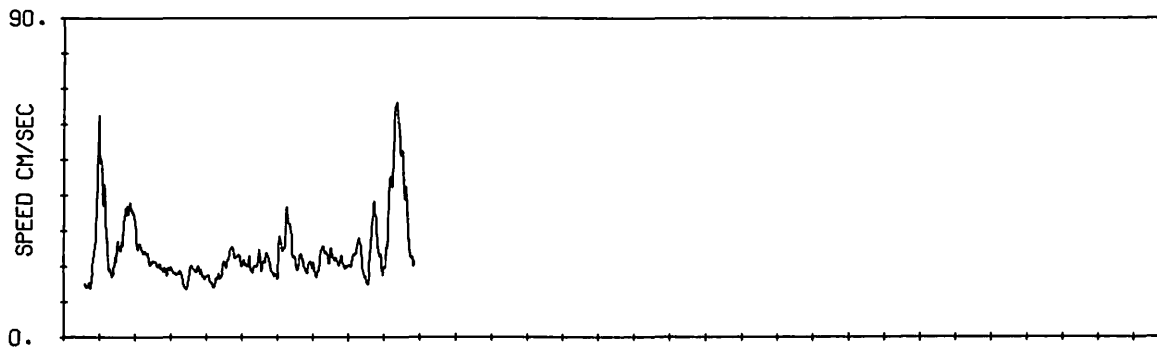
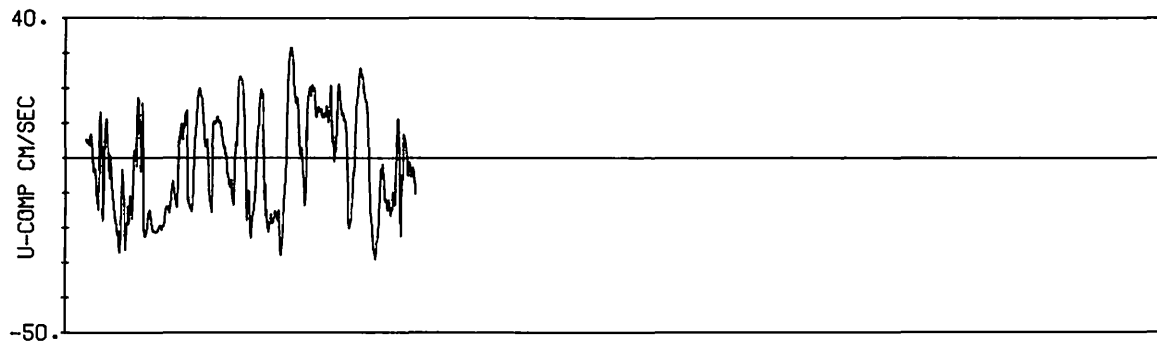
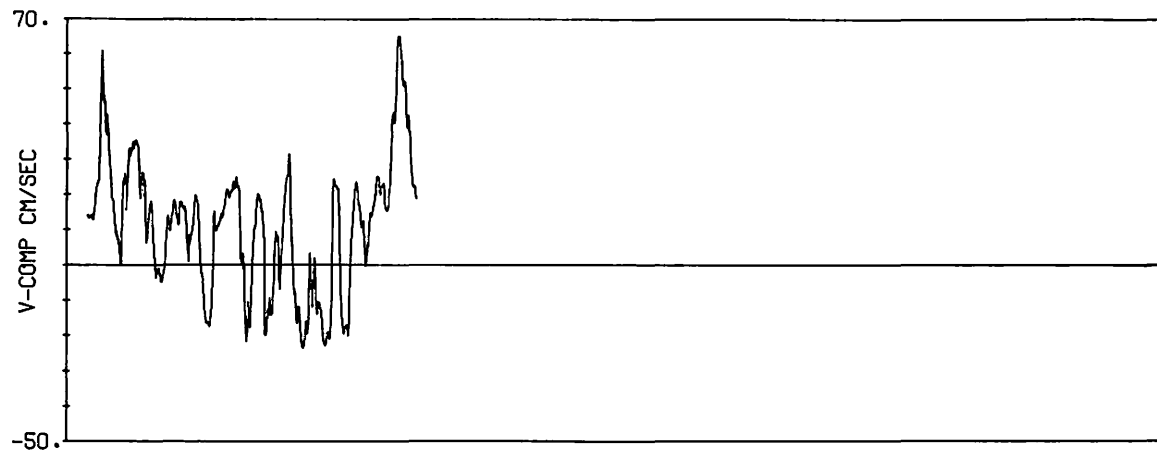


05/01/73

INSHORE 71 METERS

06/06/73

A - 99

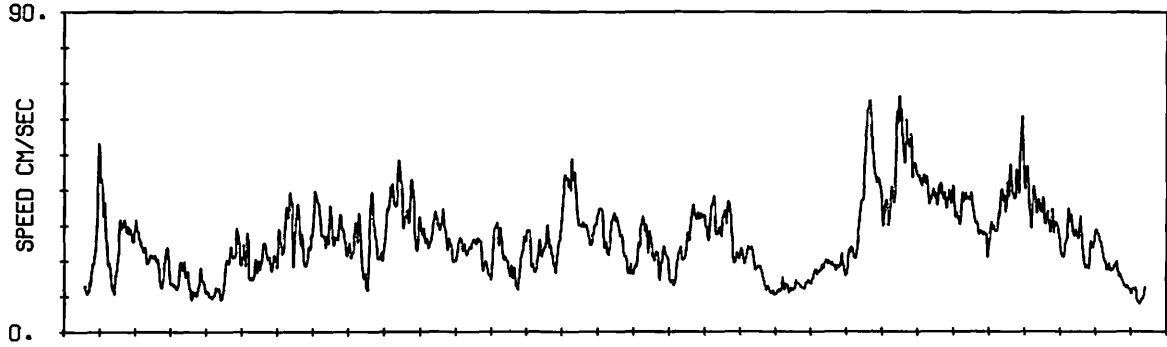
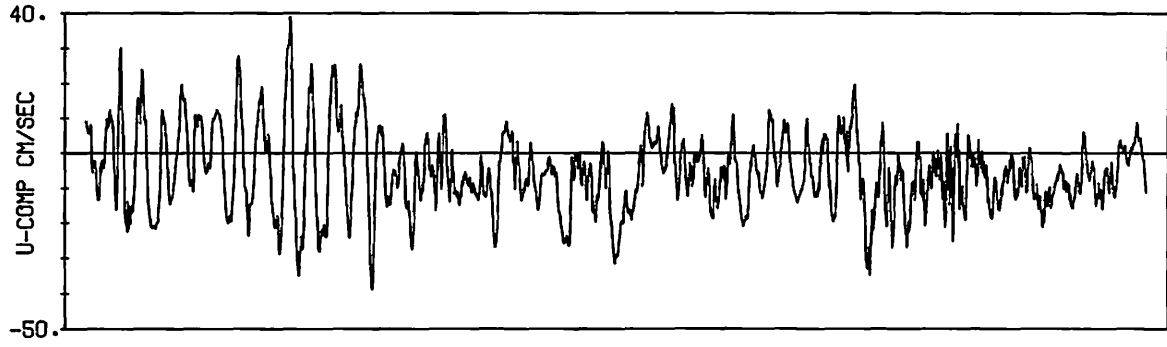
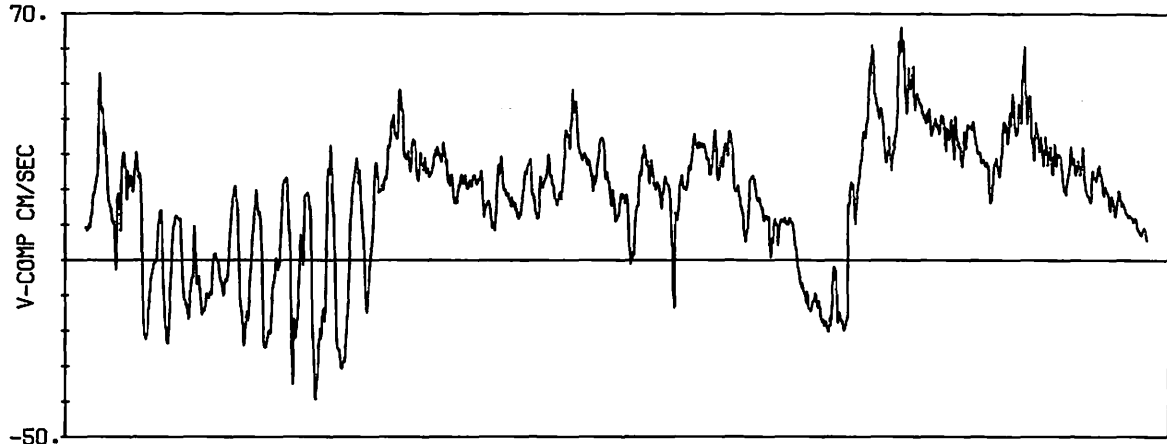


11/19/73

INSHORE 57 METERS

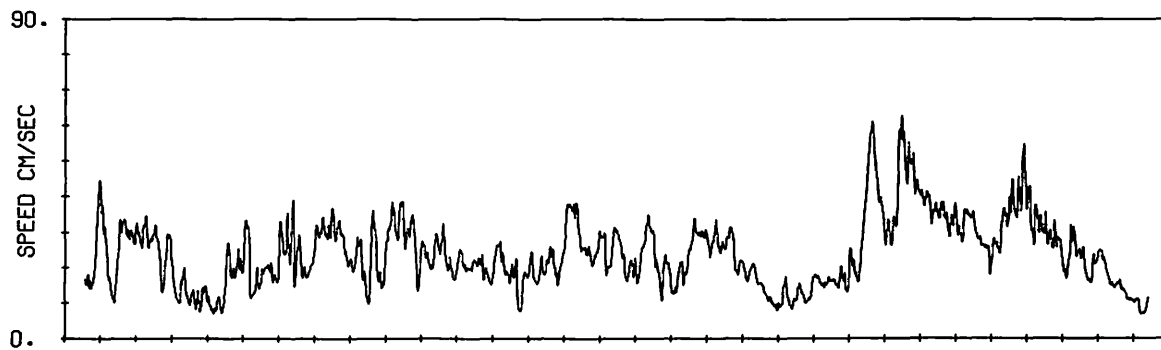
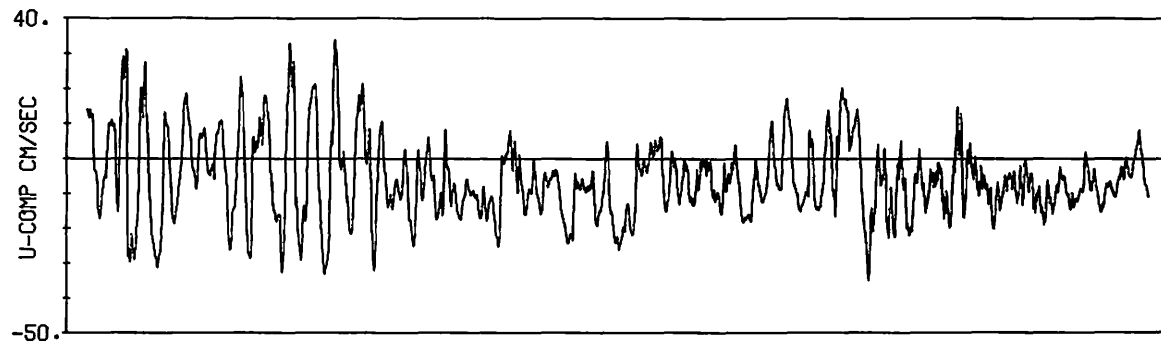
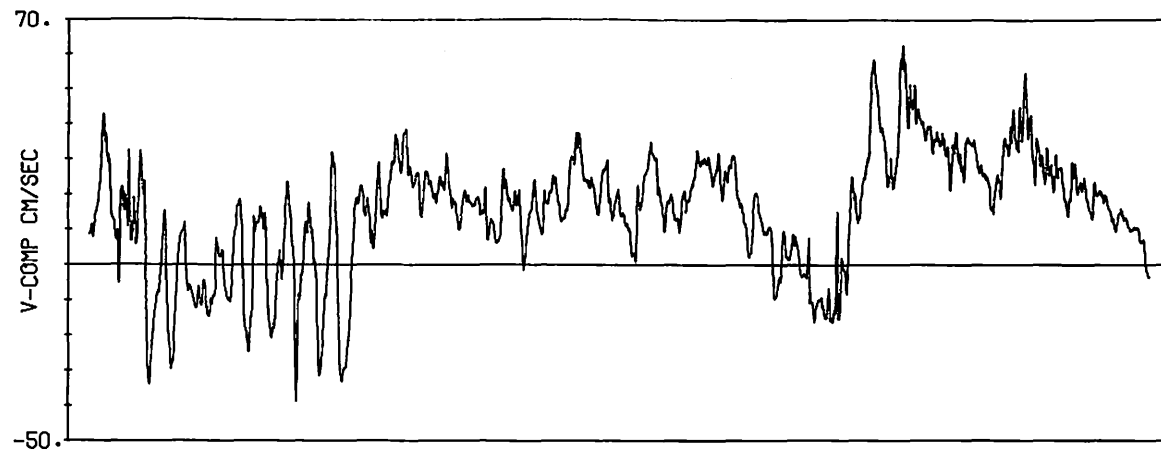
12/20/73

A-100



11/19/73 INSHORE 73 METERS 12/20/73

A-101

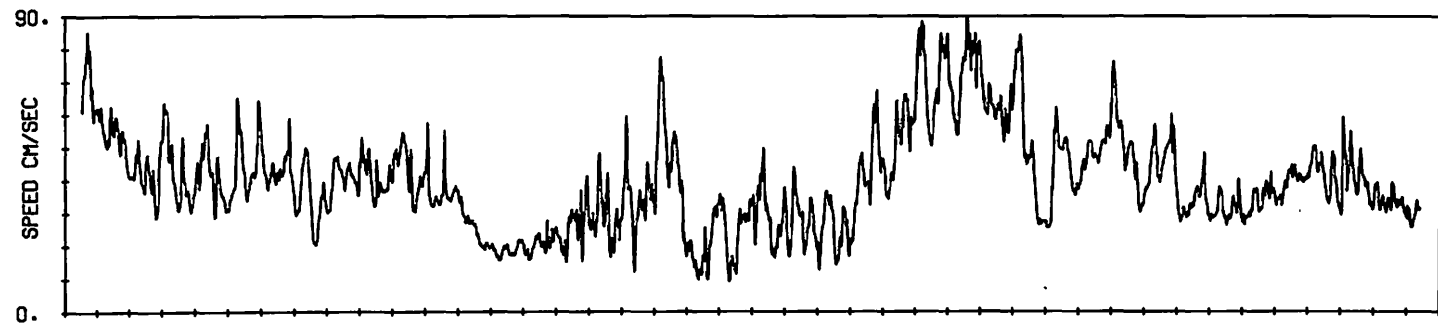
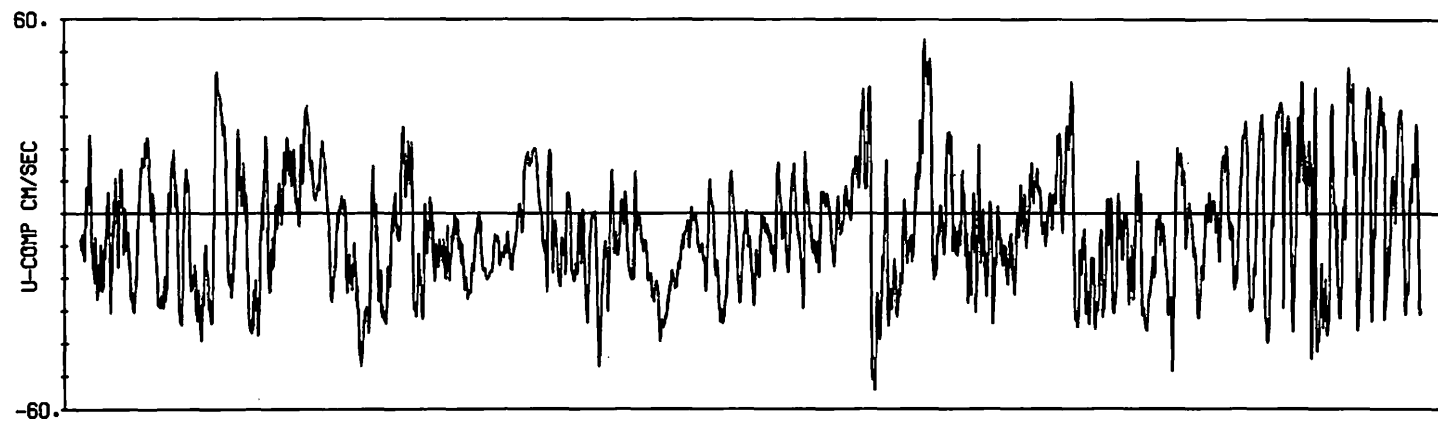
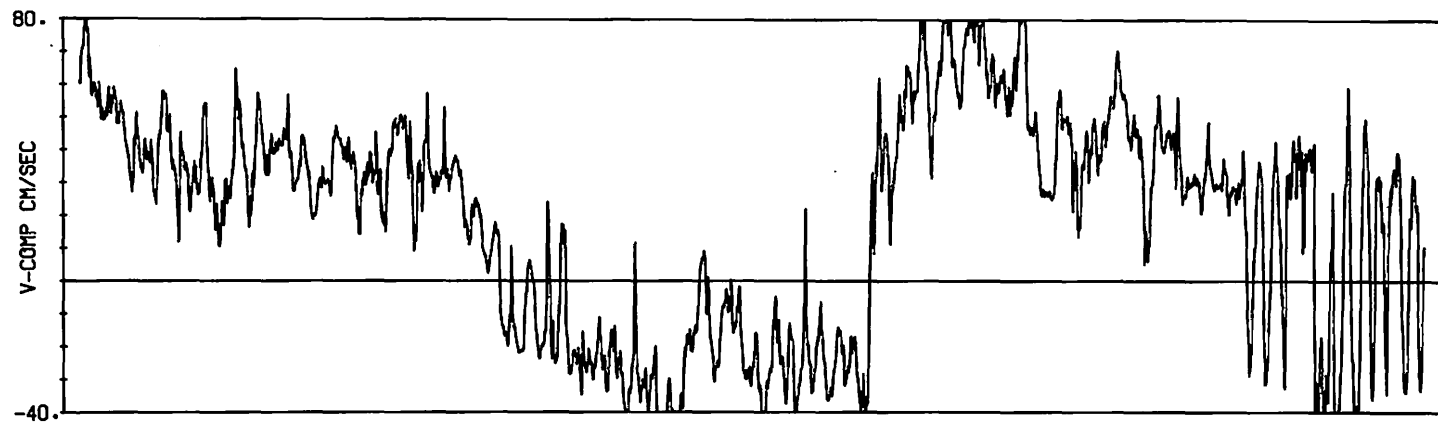


11/19/73

INSHORE 78 METERS

12/20/73

A-102

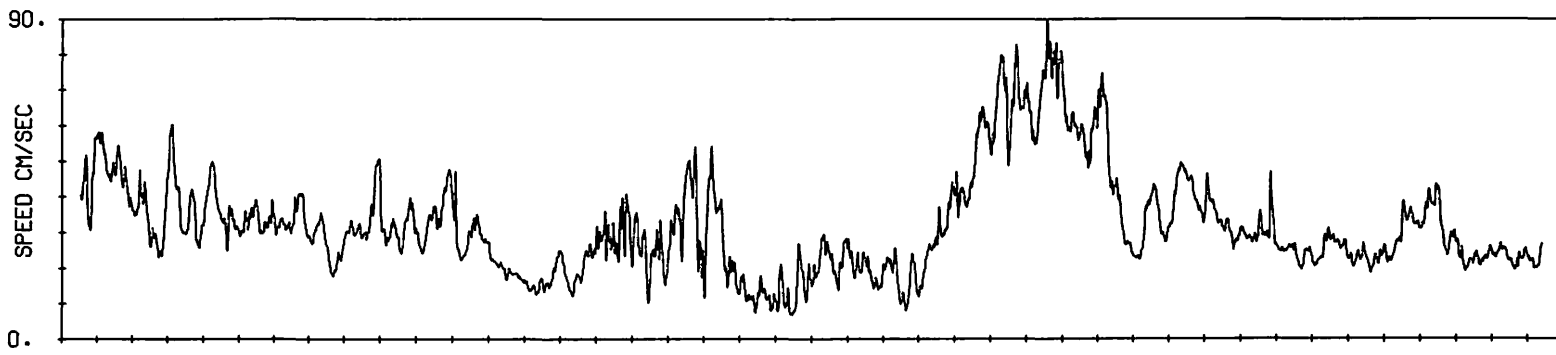
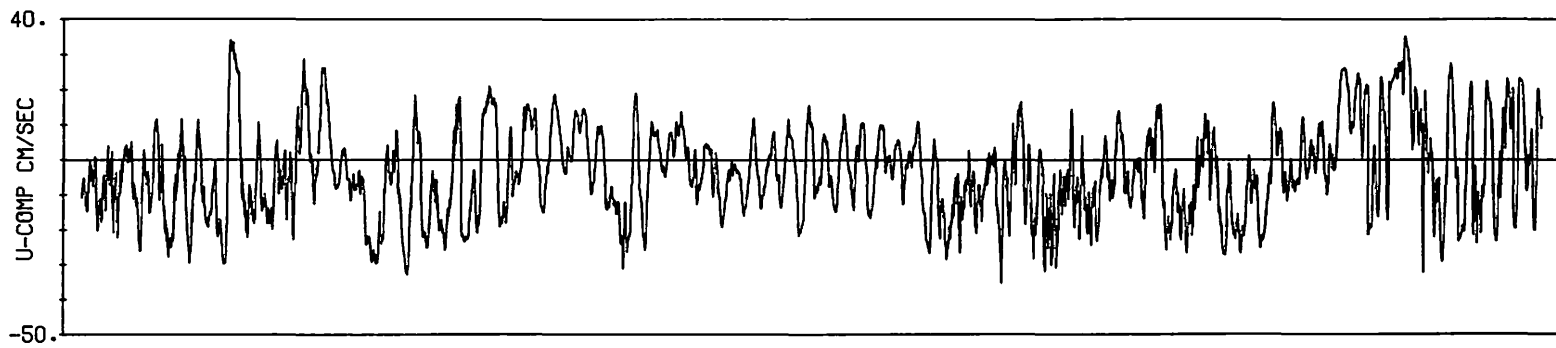
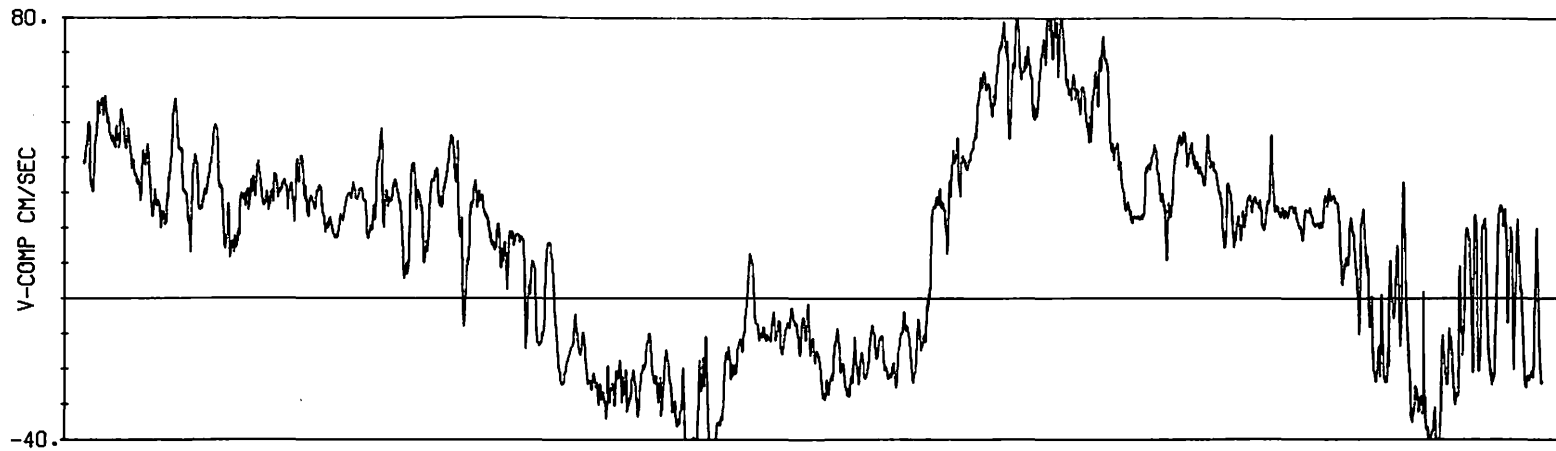


12/19/73

INSHORE 16 METERS

01/30/74

A-103

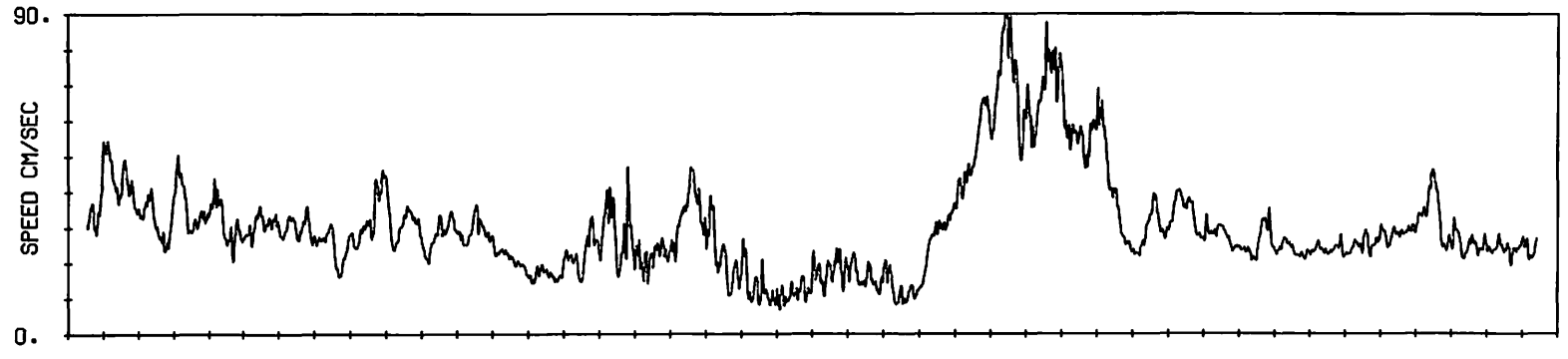
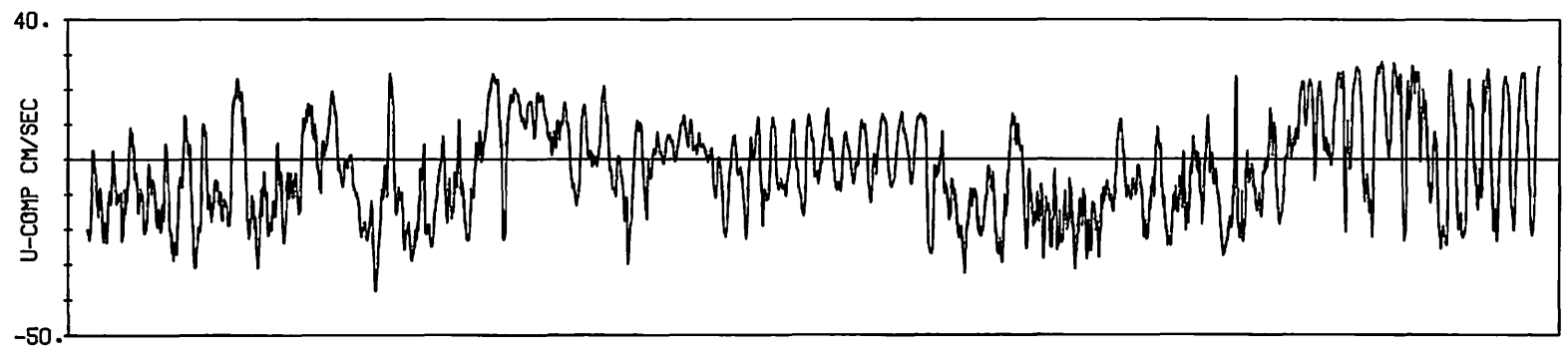
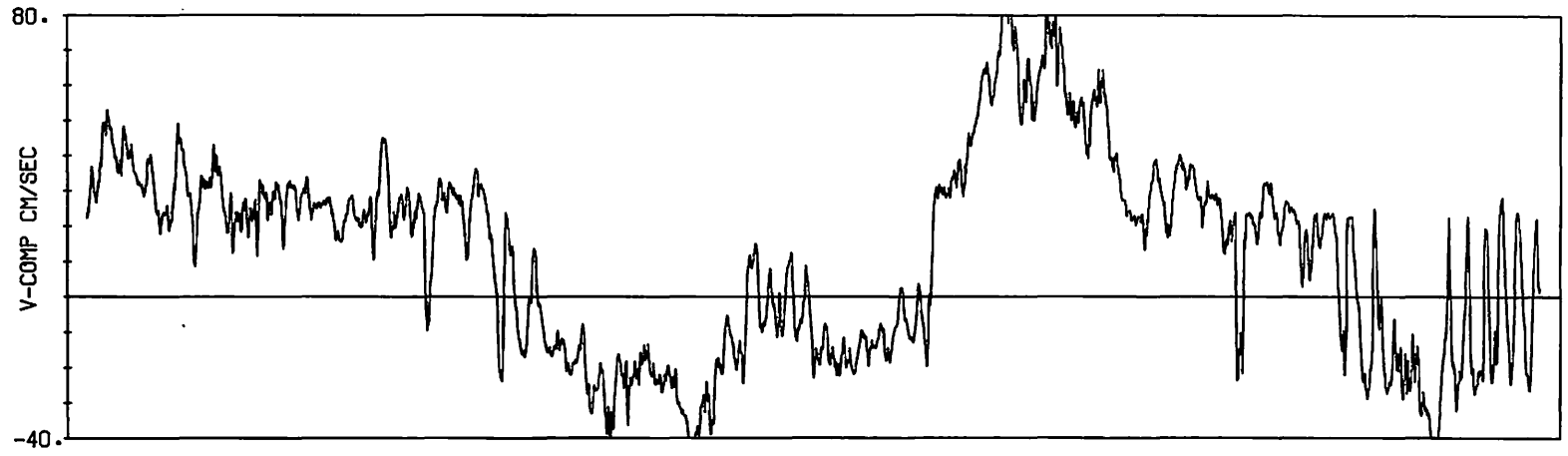


12/19/73

INSHORE 27 METERS

01/30/74

A-104

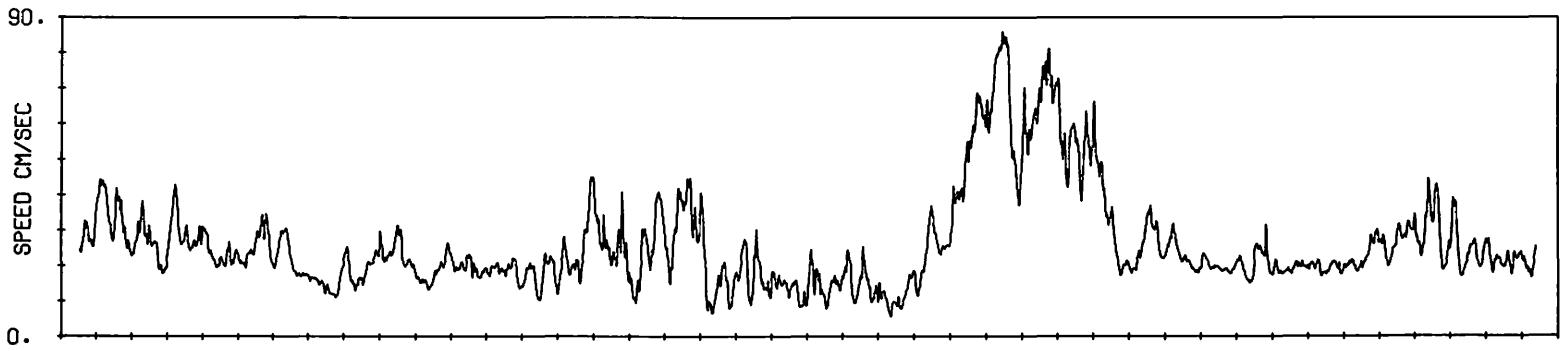
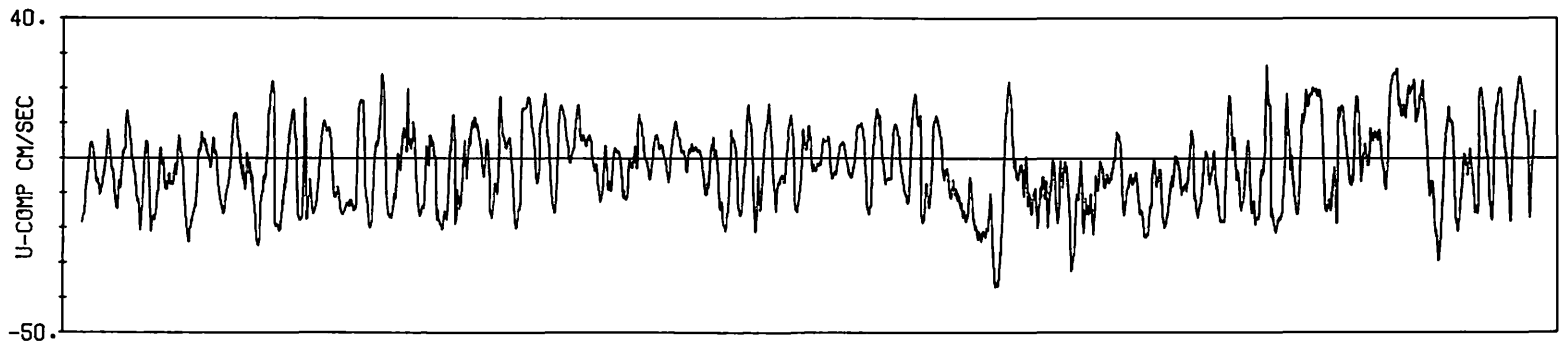
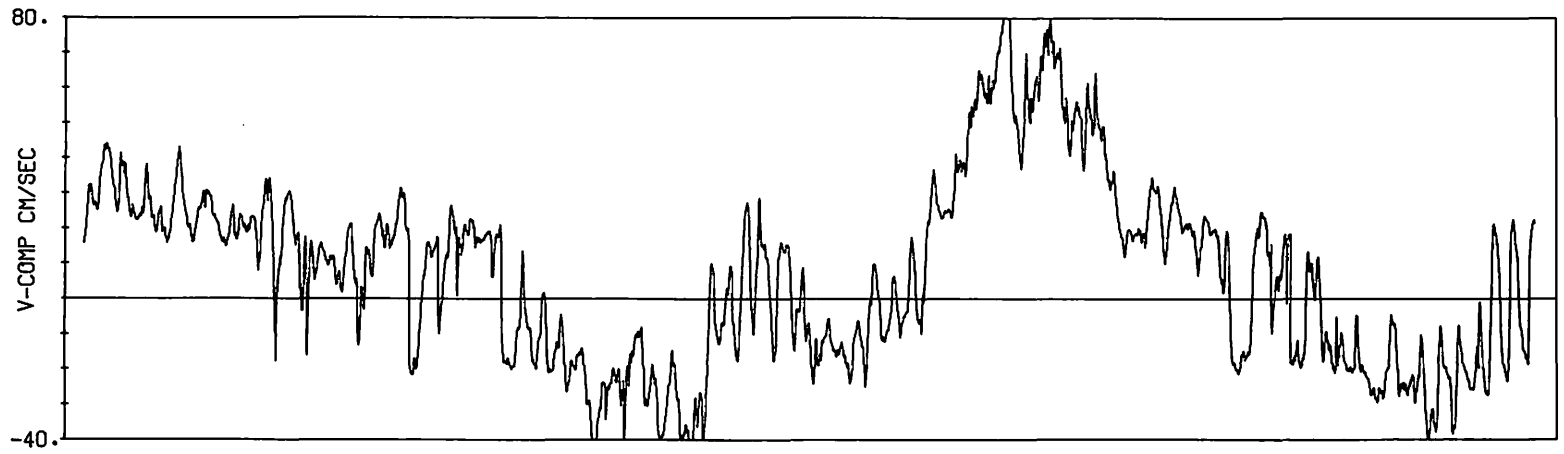


12/19/73

INSHORE 37 METERS

01/30/74

A - 105

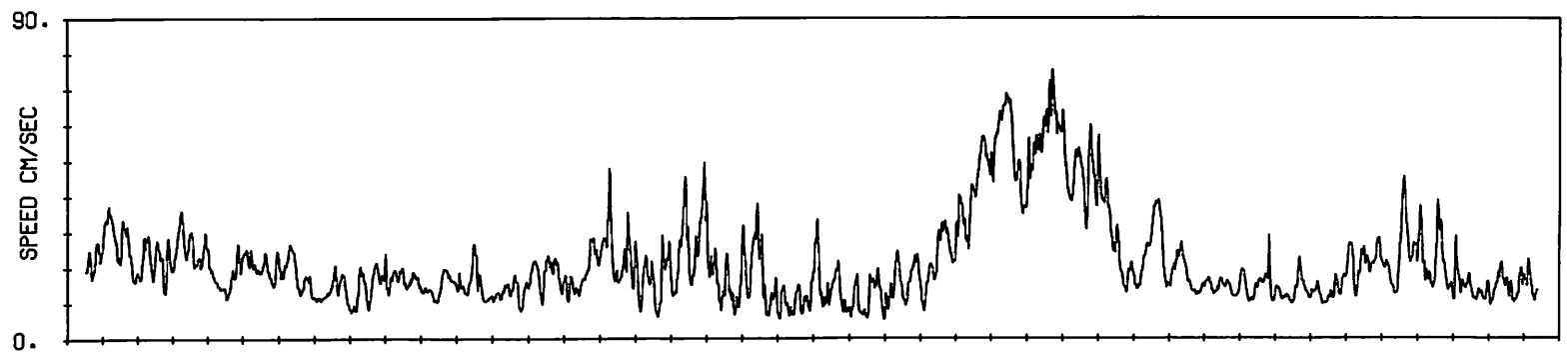
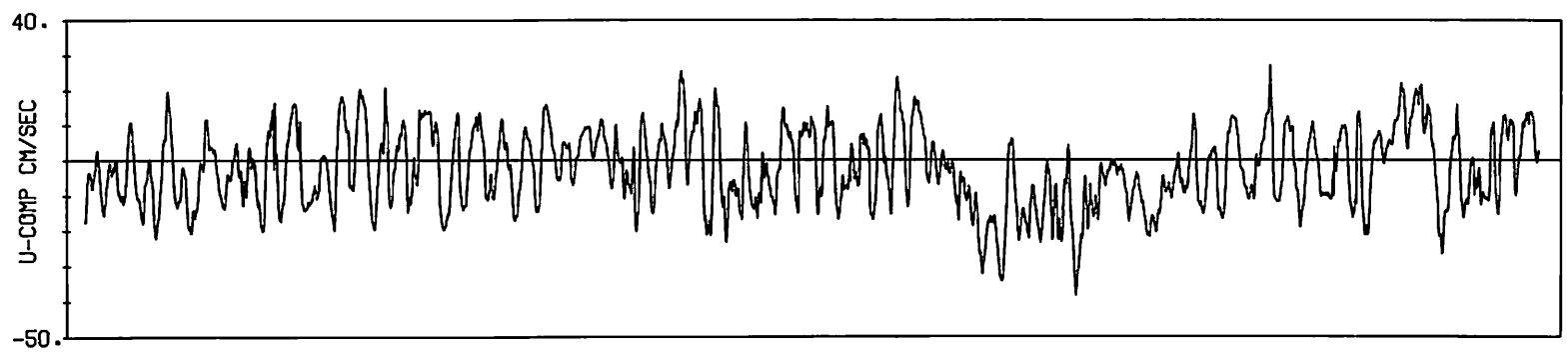
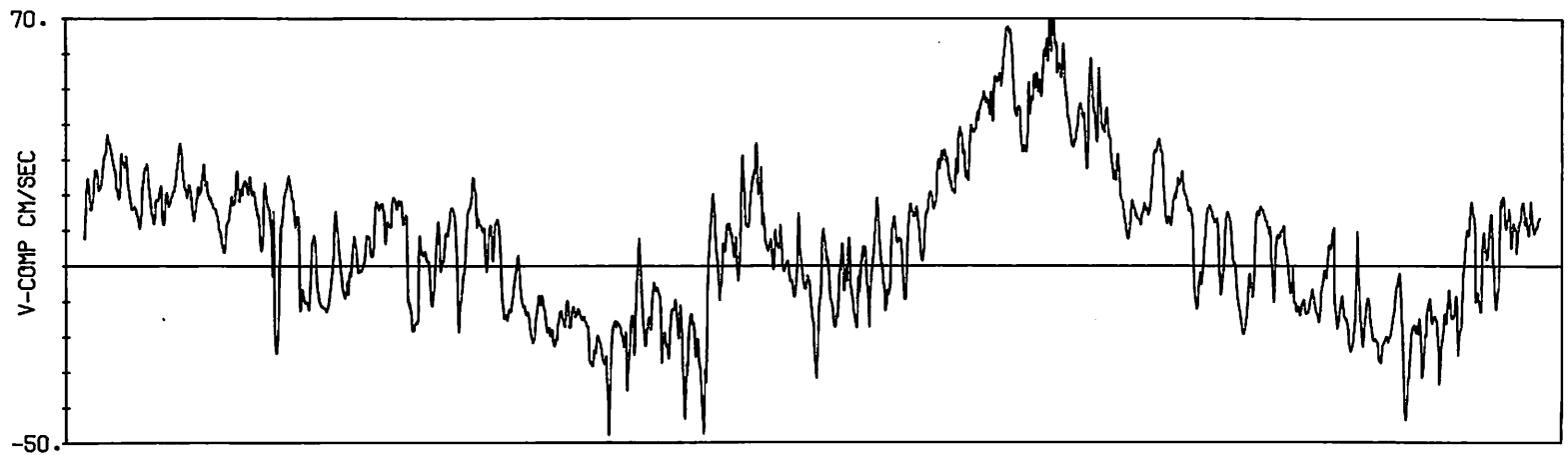


12/19/73

INSHORE 57 METERS

01/30/74

A - 106

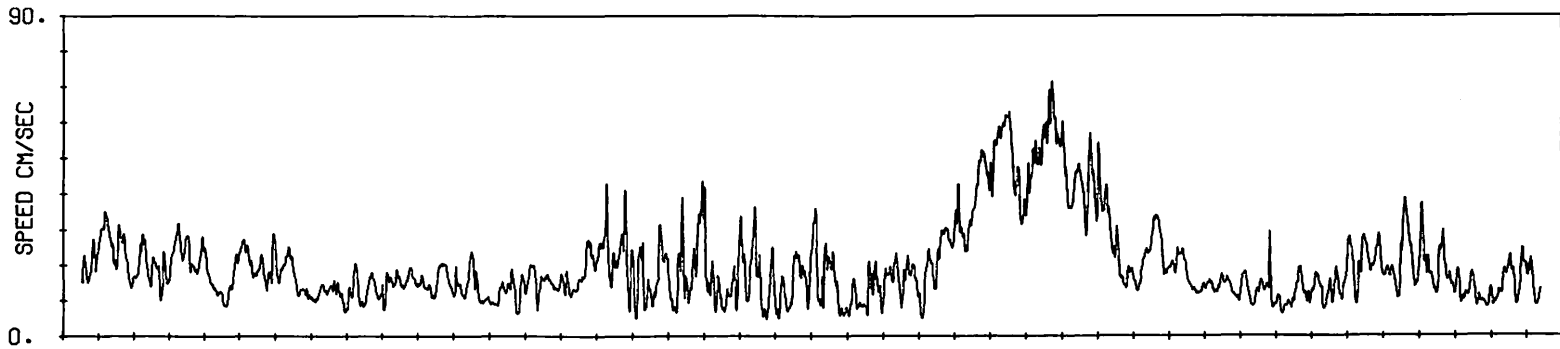
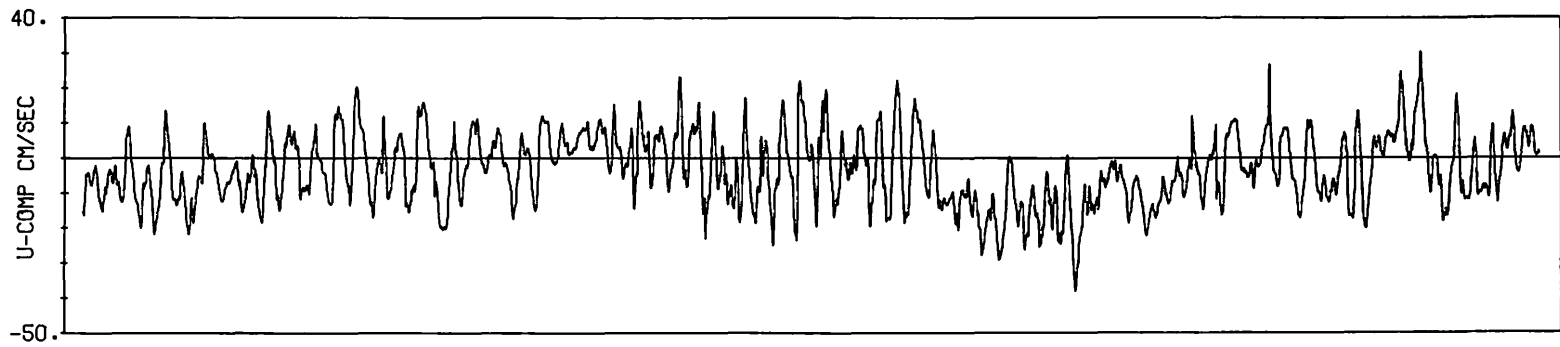
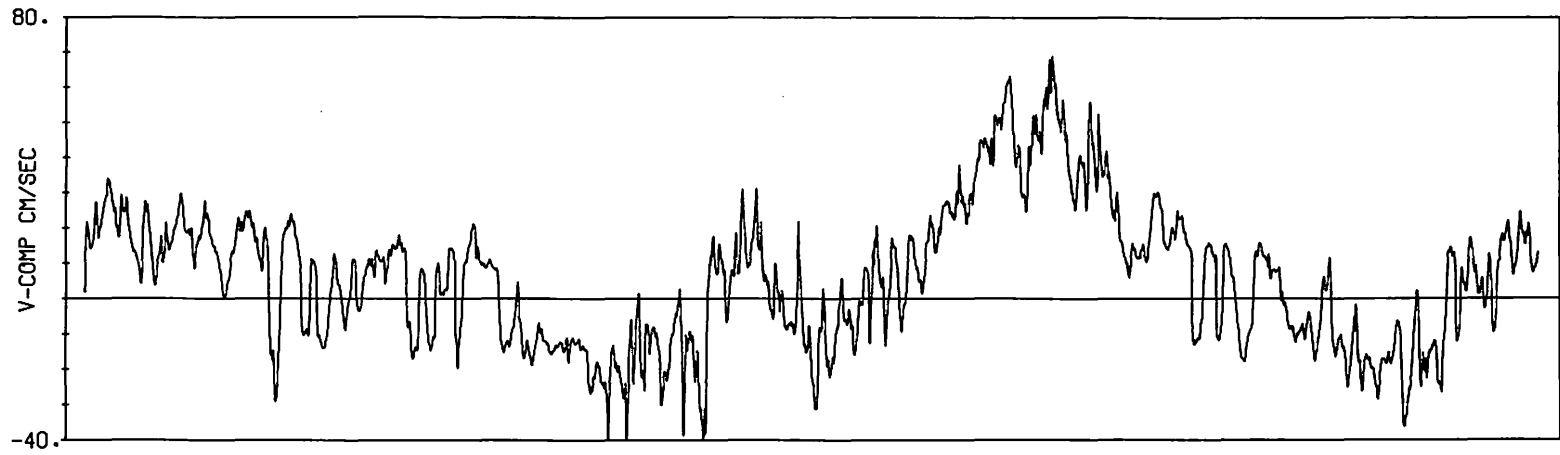


12/19/73

INSHORE 73 METERS

01/30/74

A-107



12/19/73

INSHORE 78 METERS

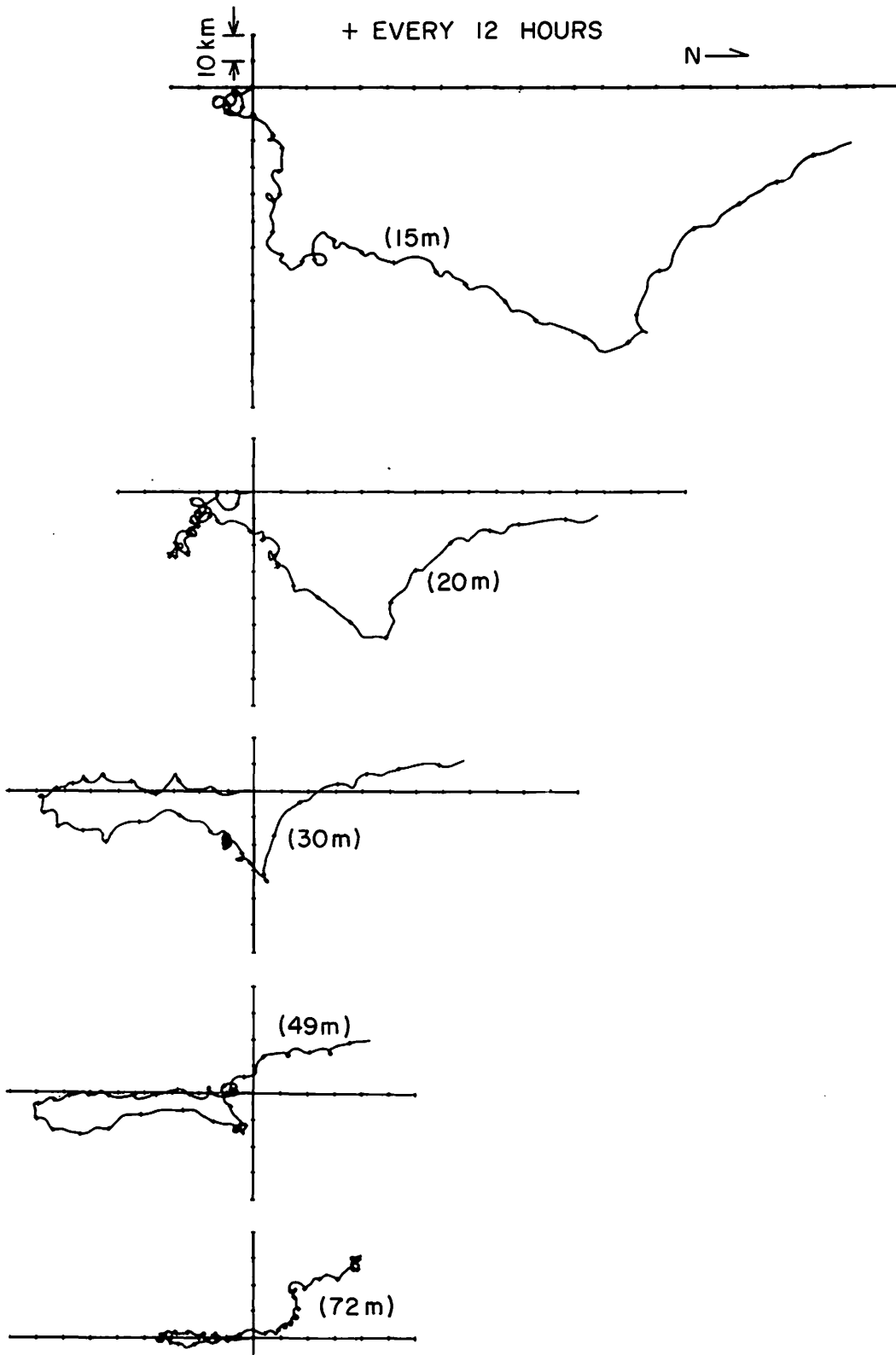
01/30/74

A - 108

The progressive vector diagrams shown on pages A-110 through A-128 were calculated from the basic data files of the individual meters. Each point on a diagram was determined by multiplying the corresponding velocity by the sampling interval and adding the resultant vector displacement to the sum of the previous displacements. All of the axes are marked at 10 km intervals. Unless specifically noted the time duration given in the heading applies to all meters in the array.

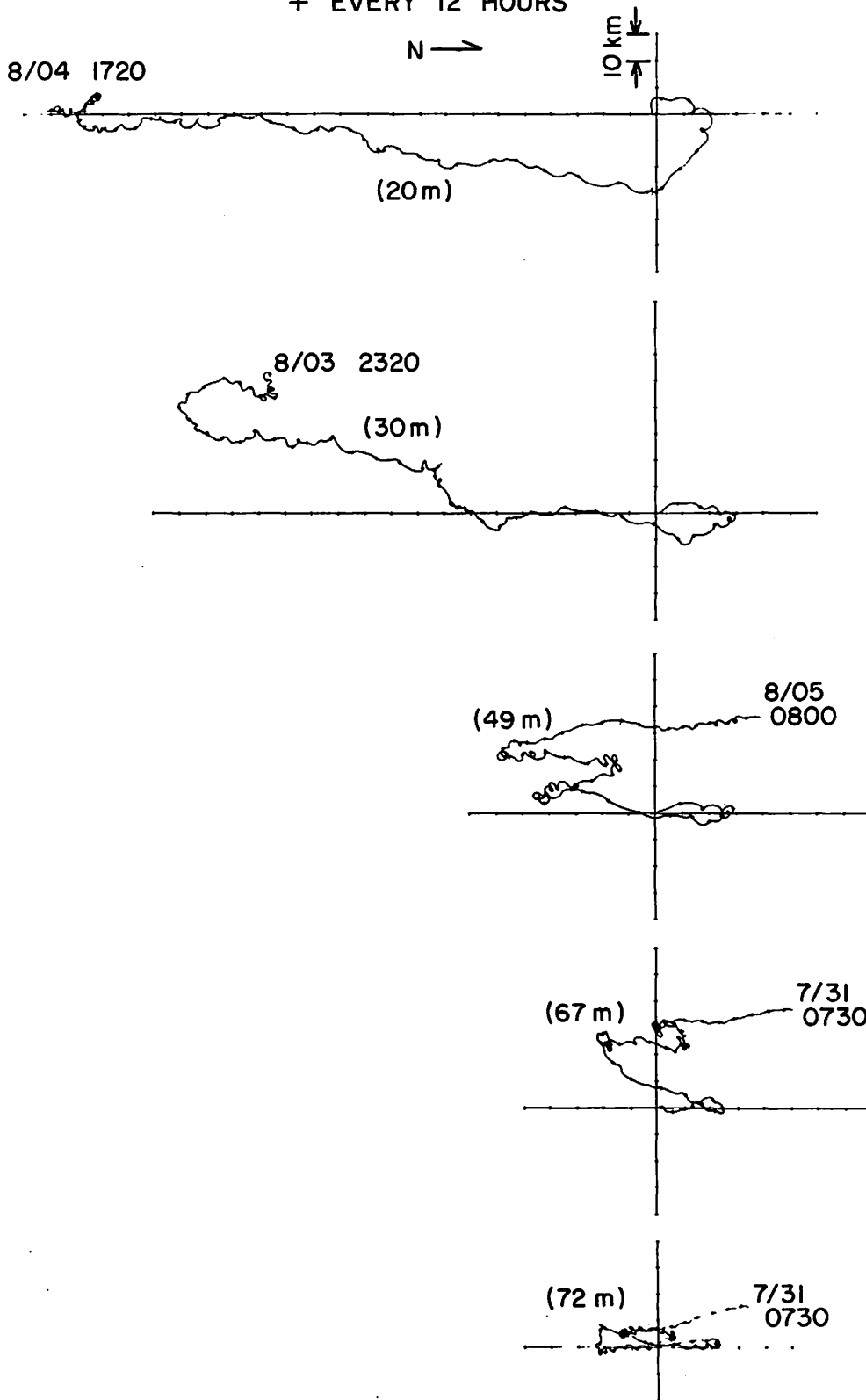
INSHORE ARRAY
2/03/71 1220-2/18/71 0840

+ EVERY 12 HOURS



INSHORE ARRAY
START: 7/10/71 1130

+ EVERY 12 HOURS

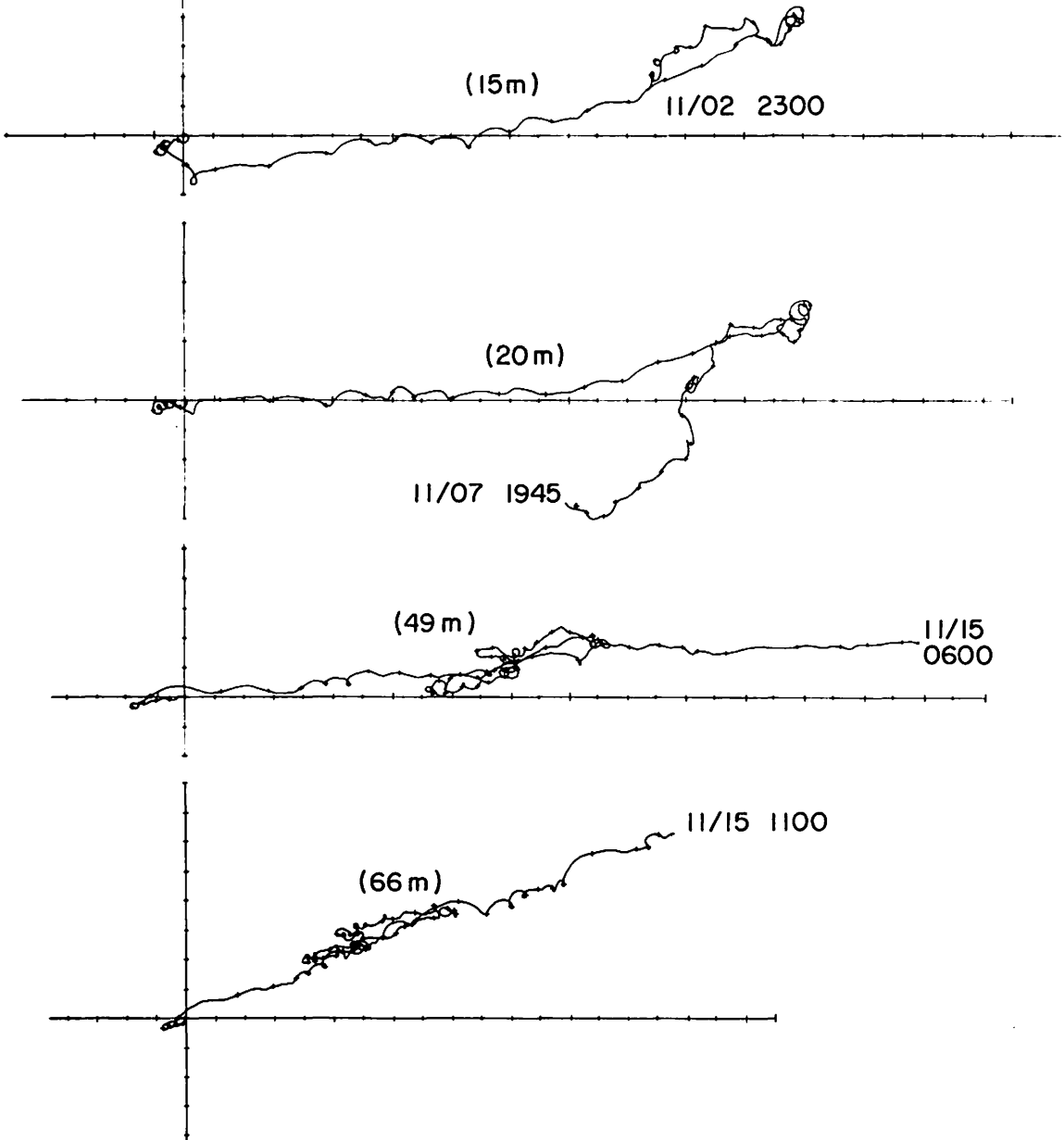


INSHORE ARRAY
START: 10/16/71 1245

+ EVERY 12 HOURS

10 km
↓
↑

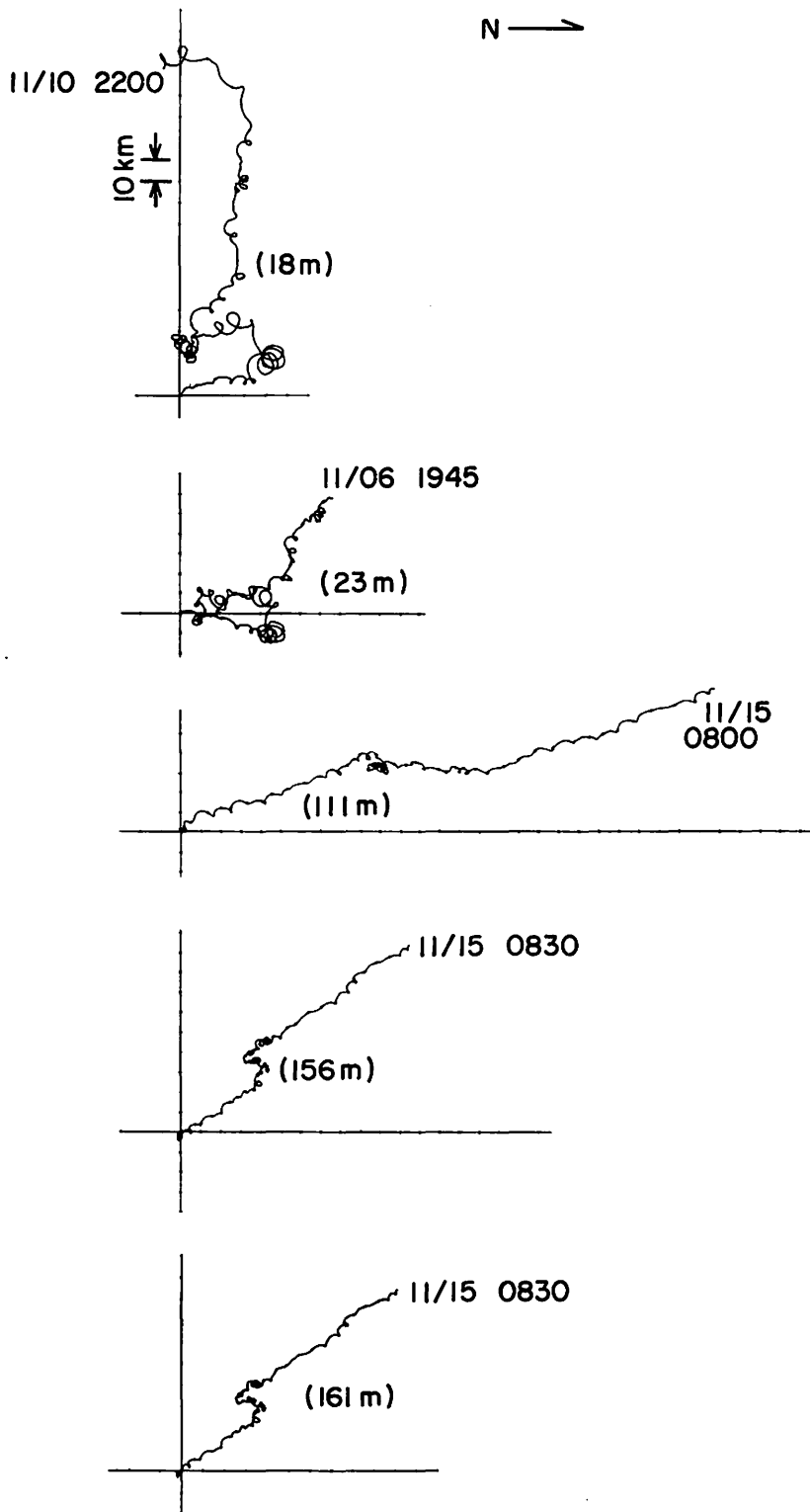
N →



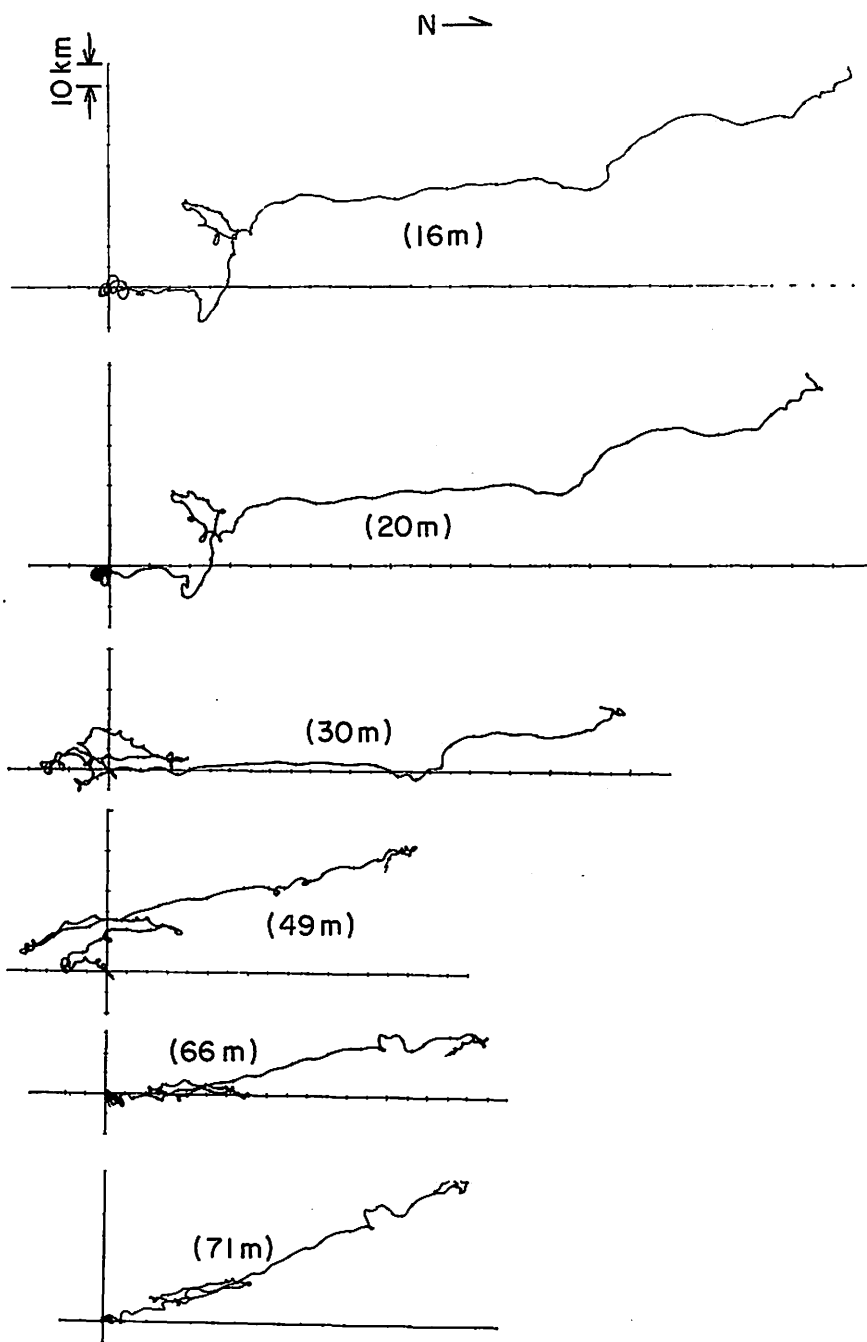
OFFSHORE ARRAY
START: 10/16/71 0930

+ EVERY 12 HOURS

N →

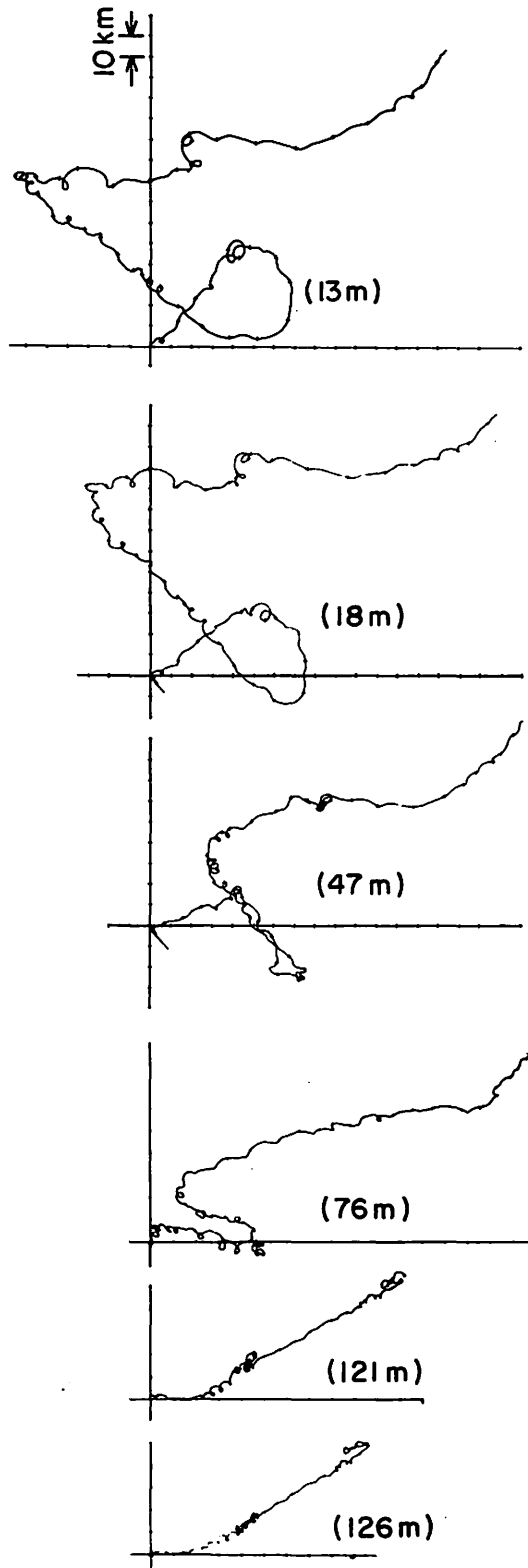


INSHORE ARRAY
1/05/72 1545 - 1/29/72 1630



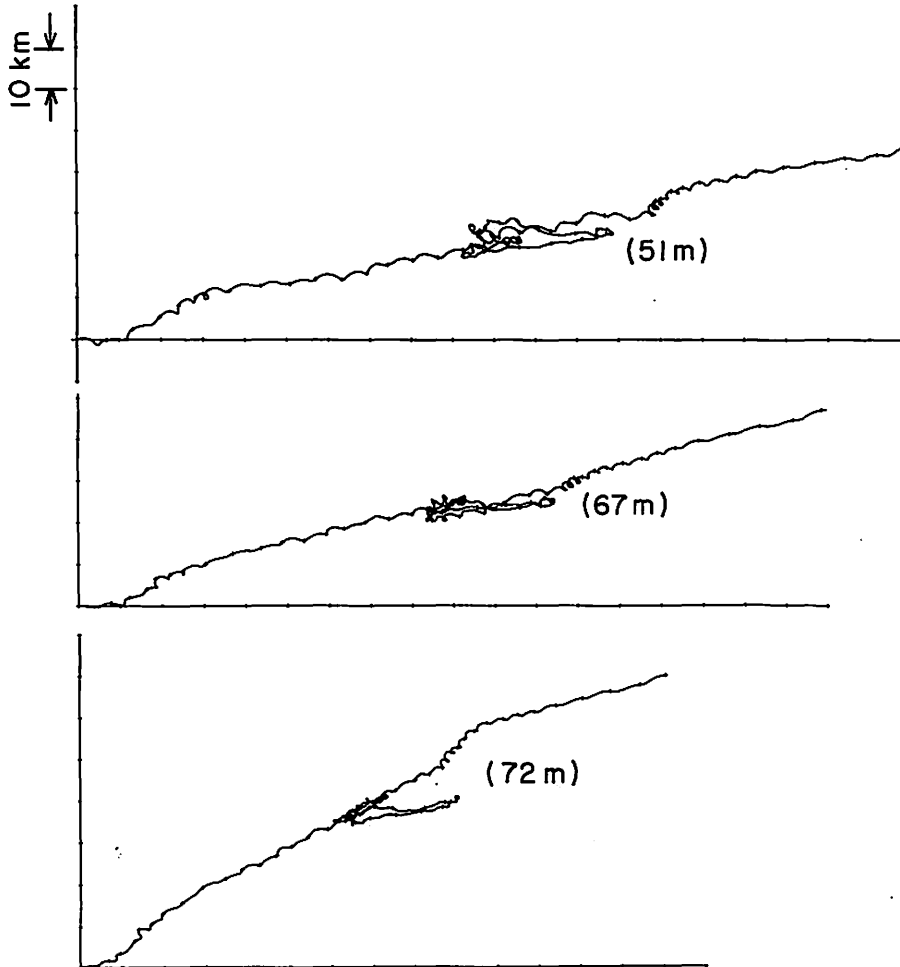
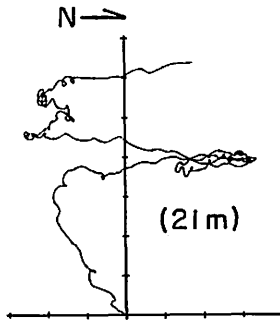
OFFSHORE ARRAY
1/05/72 1030-1/29/72 0730

N →

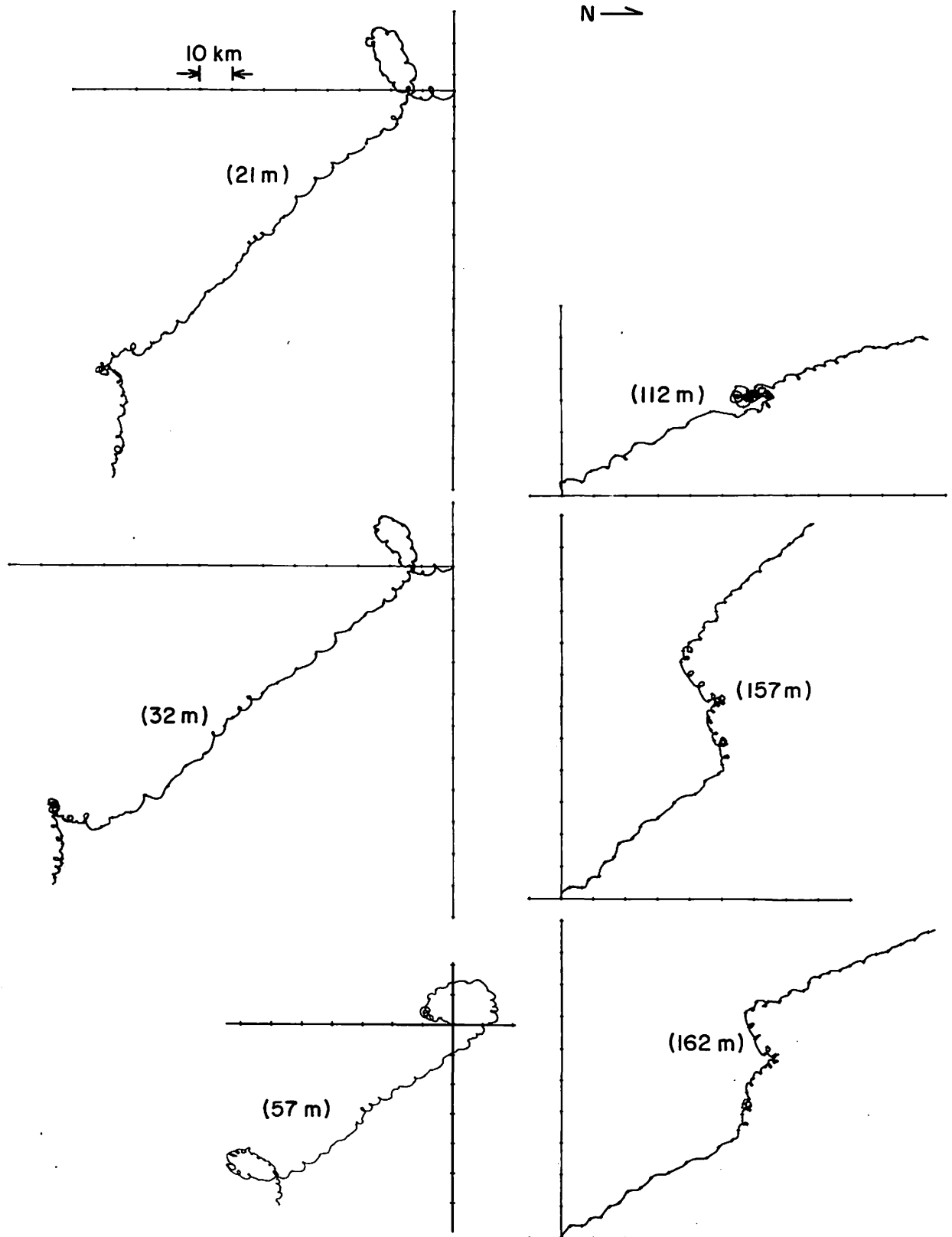


INSHORE ARRAY
7/18/72 1020 - 8/17/72 1130

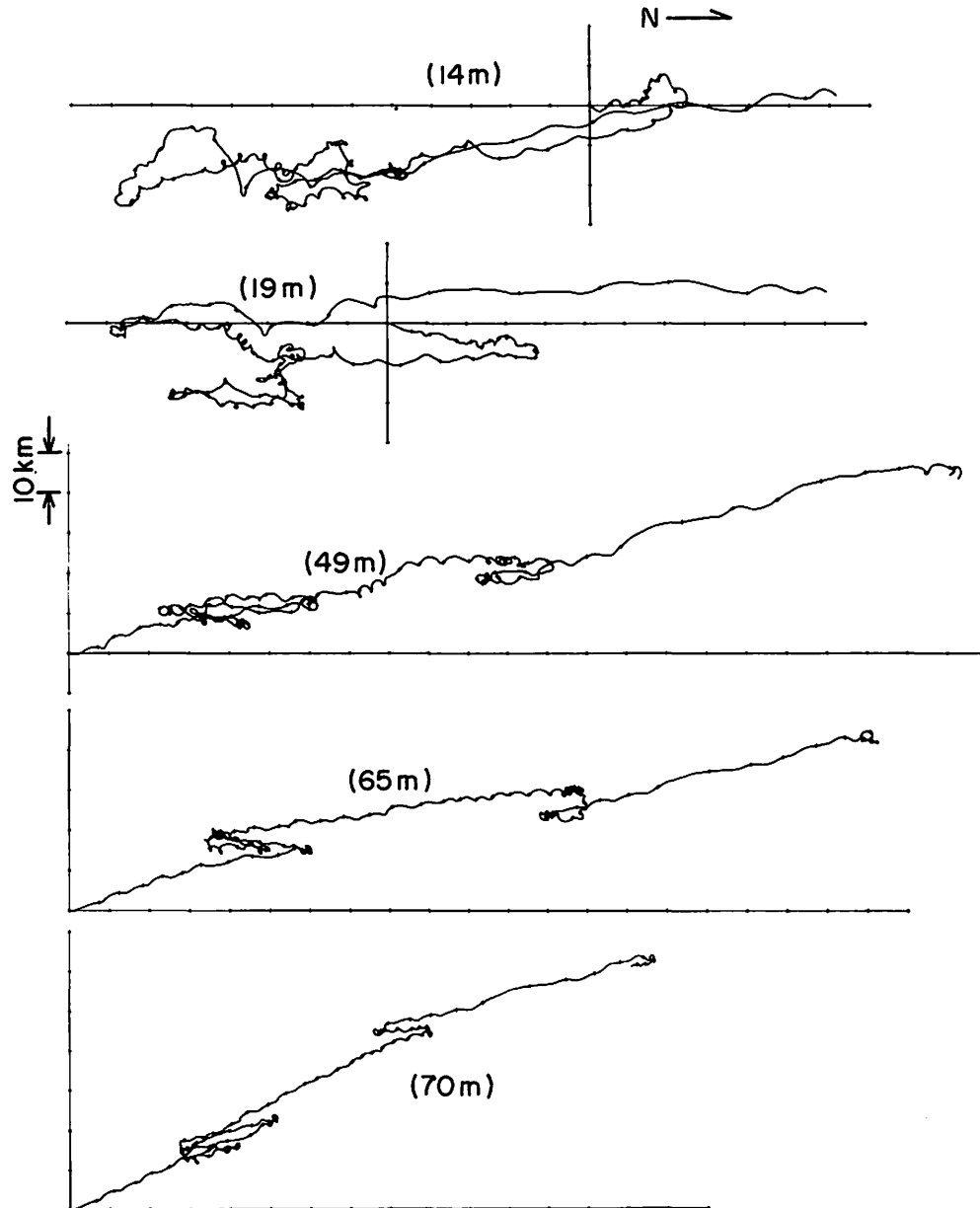
+ EVERY 12 HOURS



OFFSHORE ARRAY
7/18/72 1530 - 8/16/72 0930



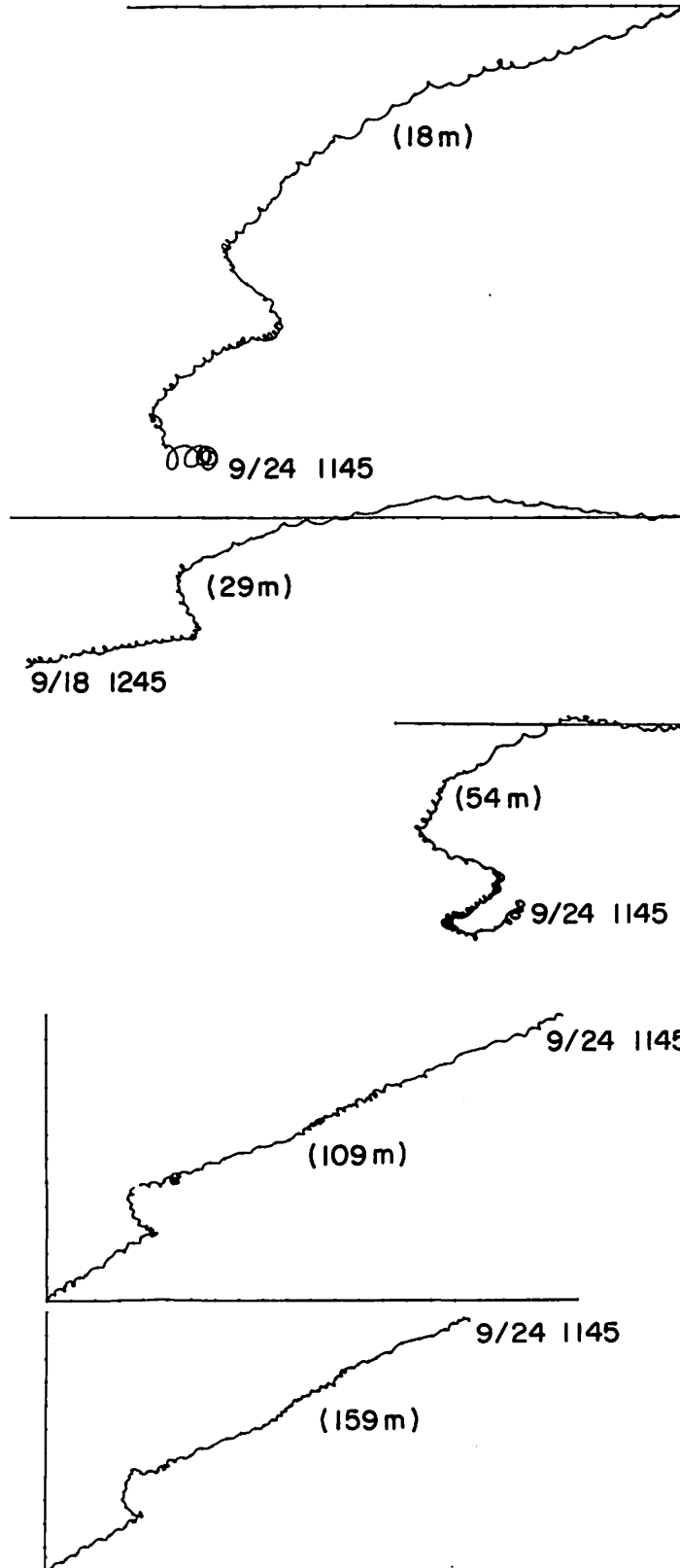
INSHORE ARRAY
8/18/72 1330-9/25/72 1000
+ EVERY 12 HOURS



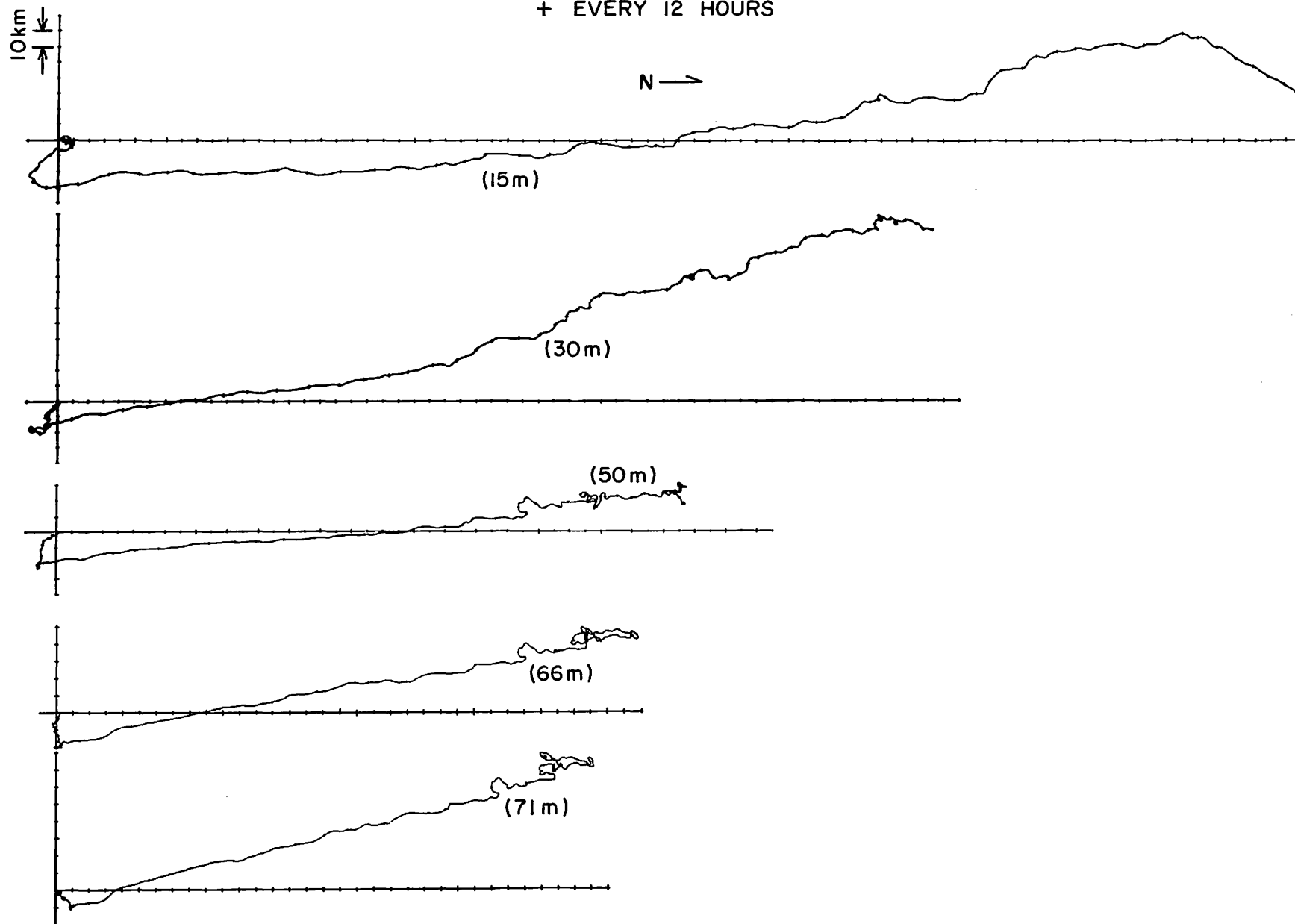
A-119

OFFSHORE ARRAY
START: 8/18/72 0815

10km
→ ← N →



INSHORE ARRAY
1/05/73 1645 - 2/07/73 0700
+ EVERY 12 HOURS



A-120

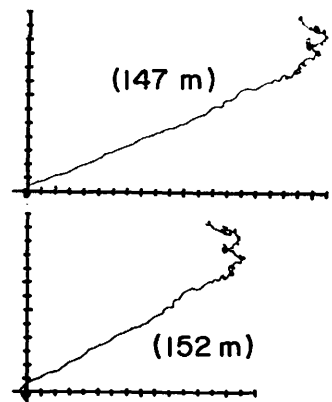
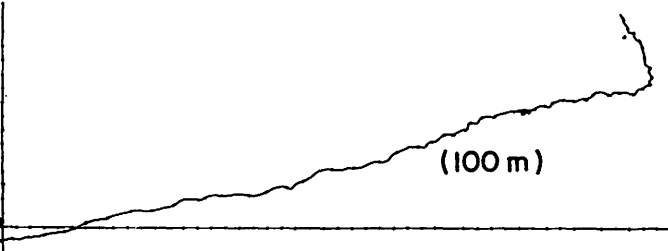
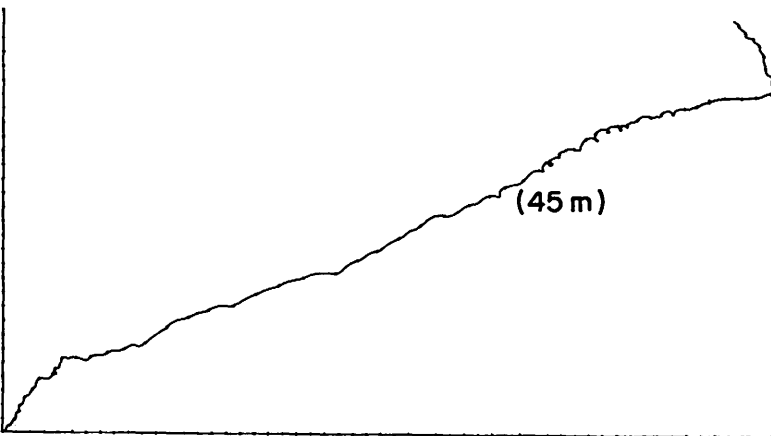
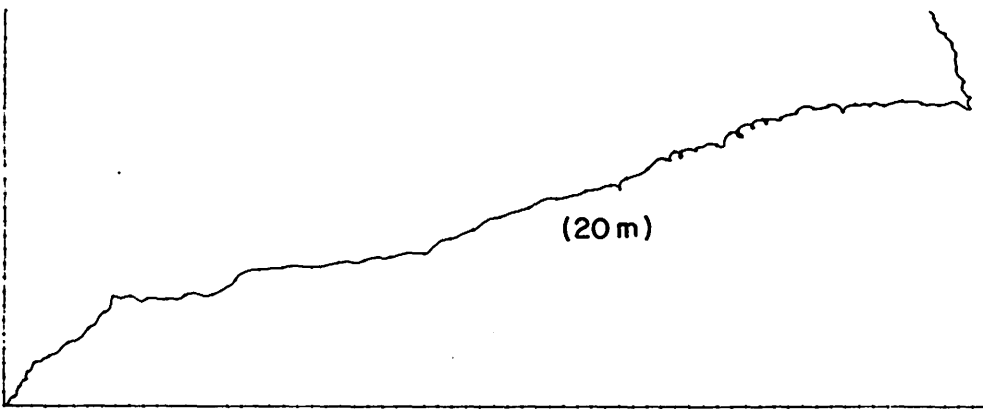
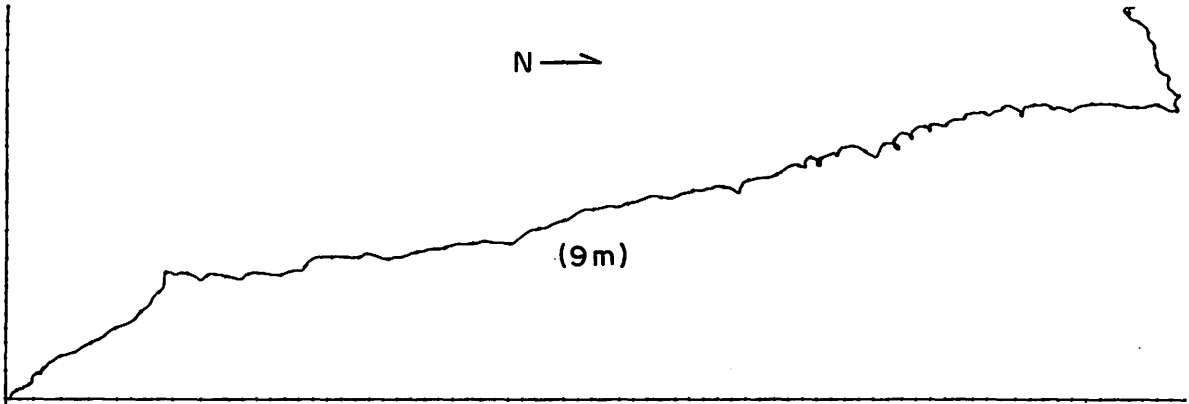
A-121

OFFSHORE ARRAY
1/05/73 1130 - 2/06/73 0815

+ EVERY 12 HOURS

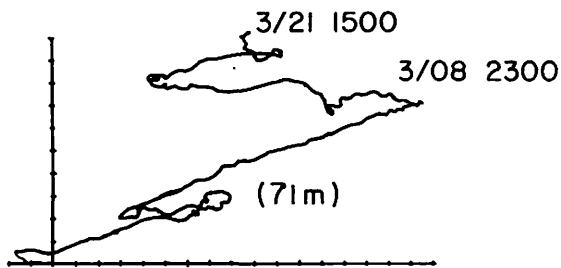
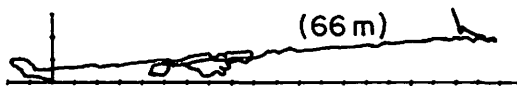
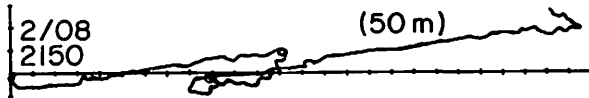
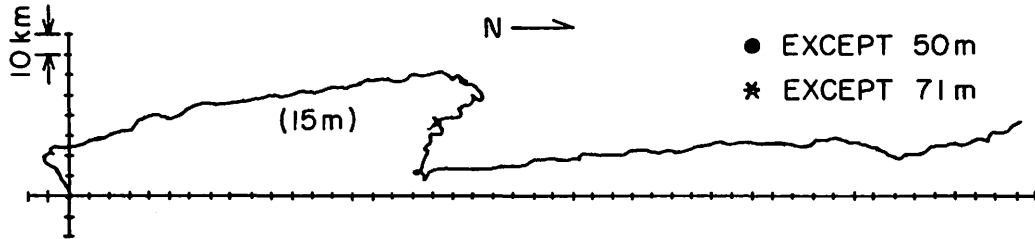
10 km

N →



INSHORE ARRAY
2/07/73[●] 1830 - 3/08/73^{*} 2300

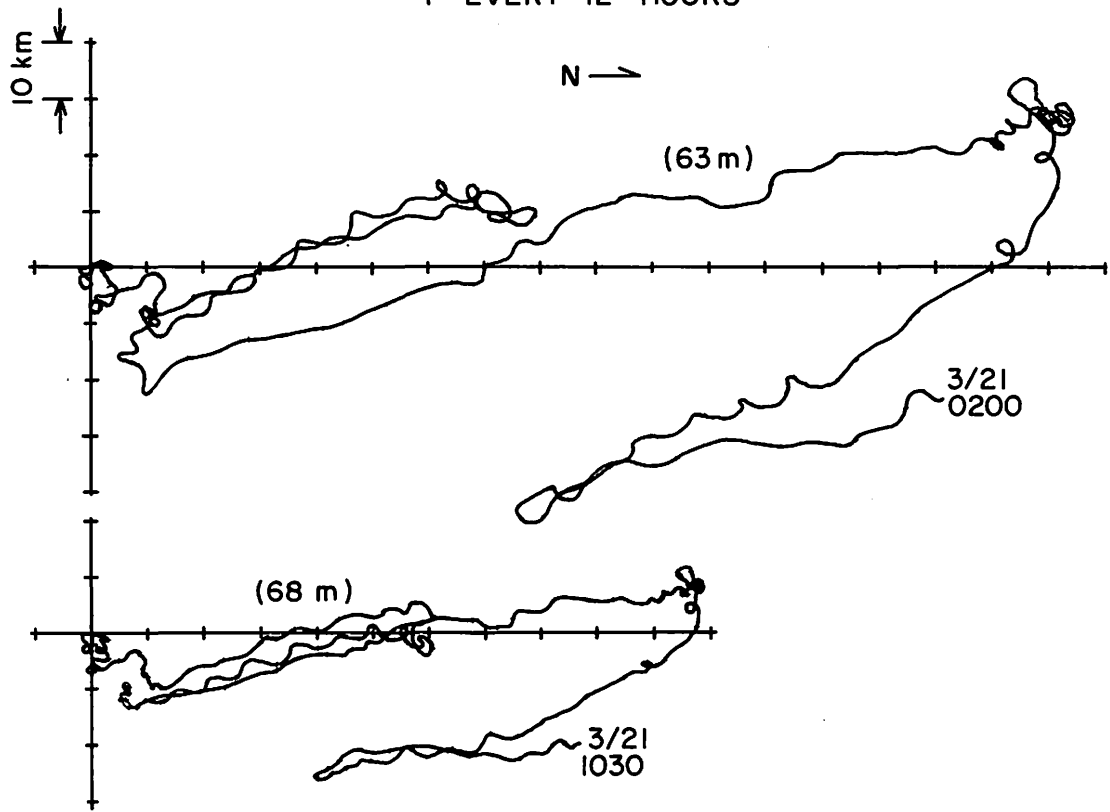
+ EVERY 12 HOURS



A-123

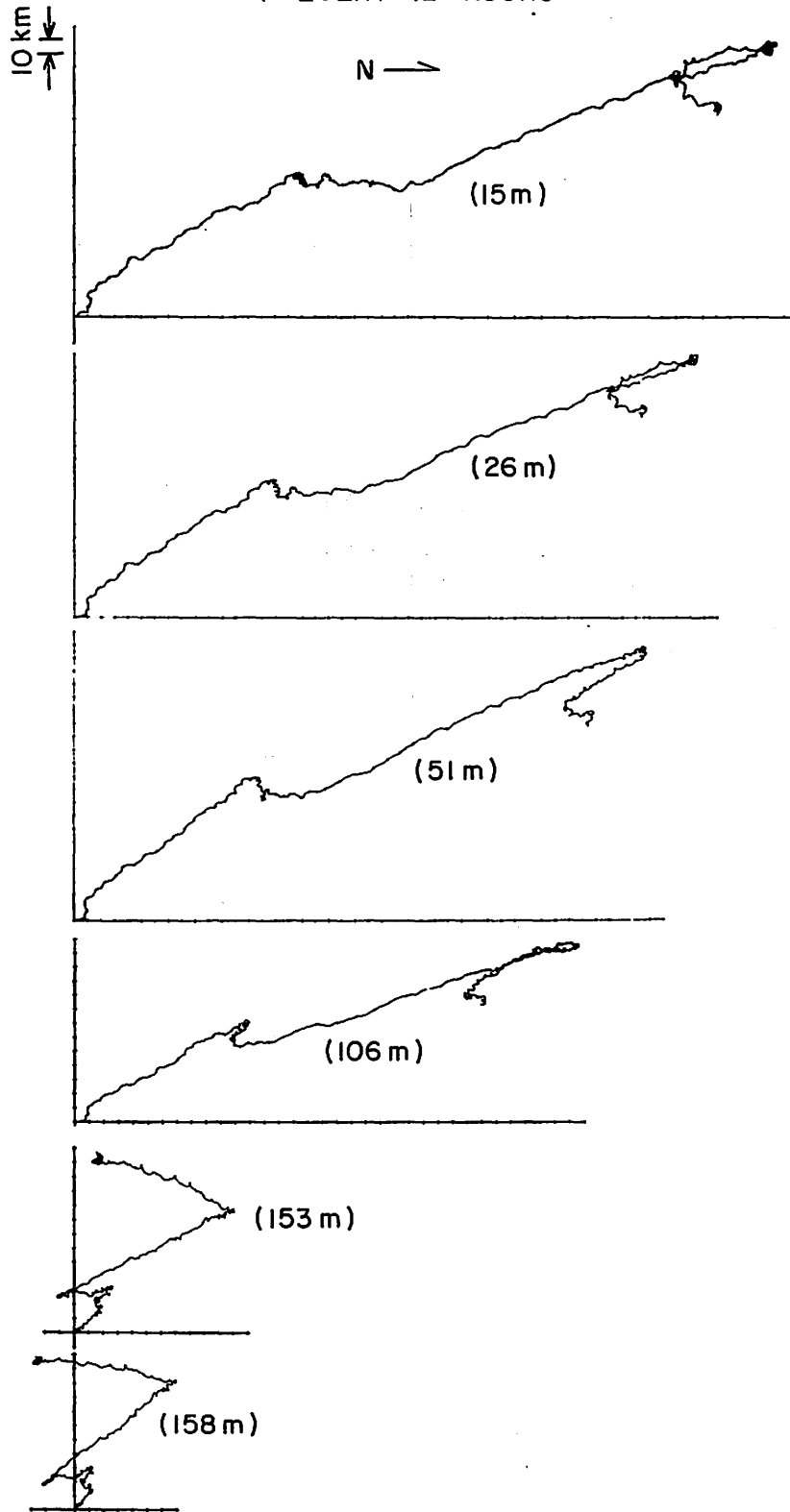
WESTPORT ARRAY
START: 2/06/73 1500

+ EVERY 12 HOURS



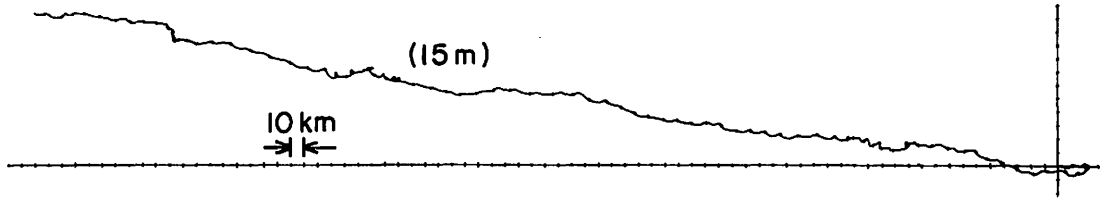
OFFSHORE ARRAY
2/07/73 1345-3/21/73 0600

+ EVERY 12 HOURS

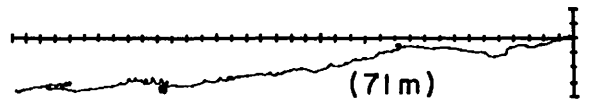
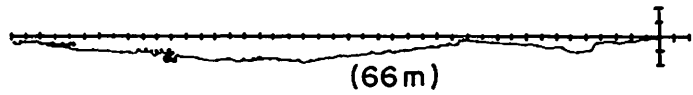
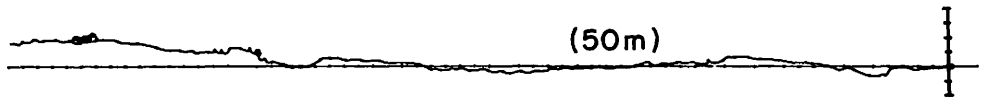
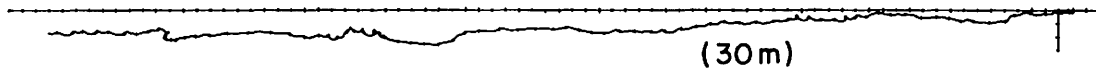
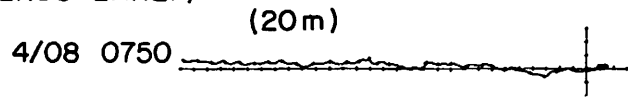


INSHORE ARRAY
3/21/73 1830-5/01/73 1400*

N →

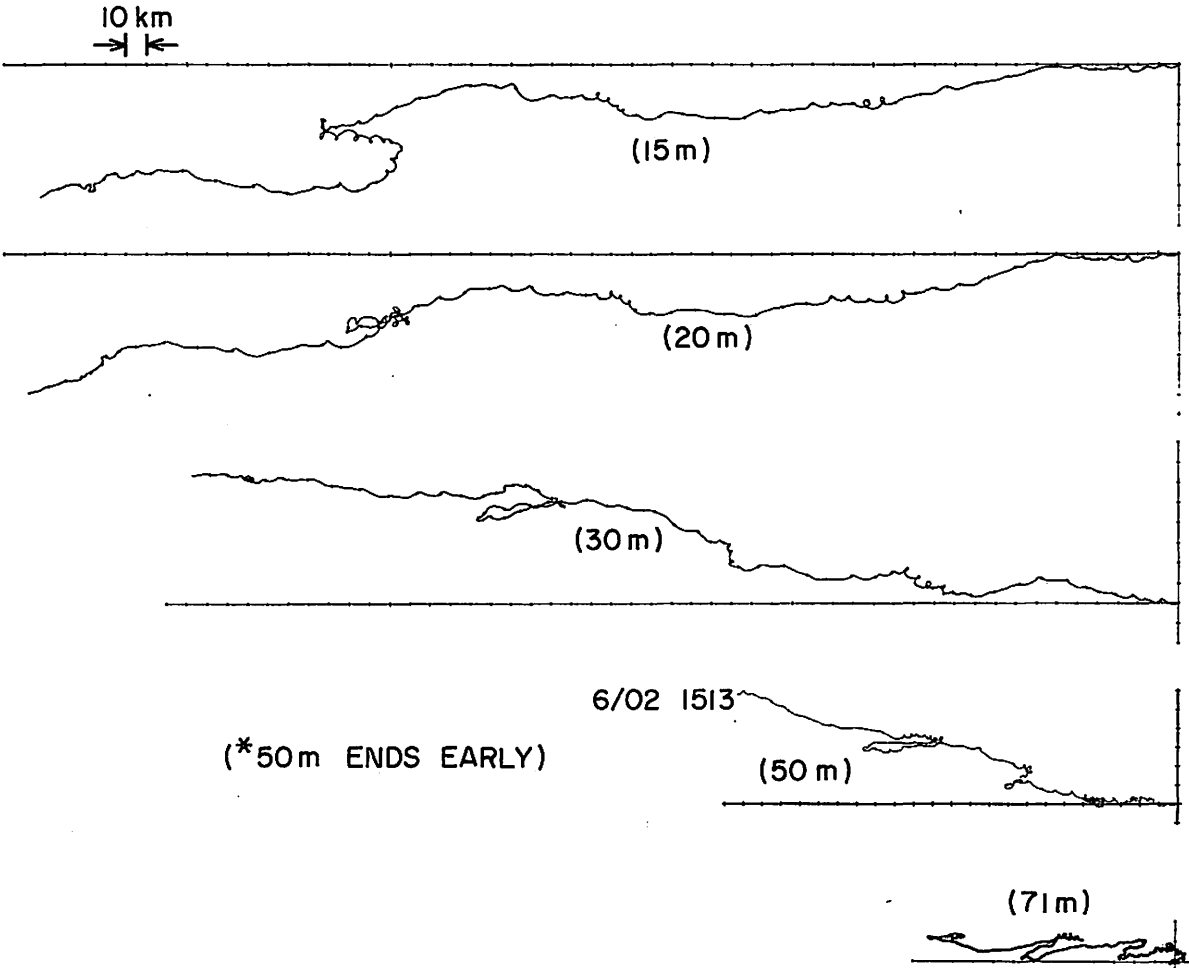


(* 20m RECORD ENDS EARLY)



INSHORE ARRAY
5/01/73 1800 - 6/05/73 1700*

N →

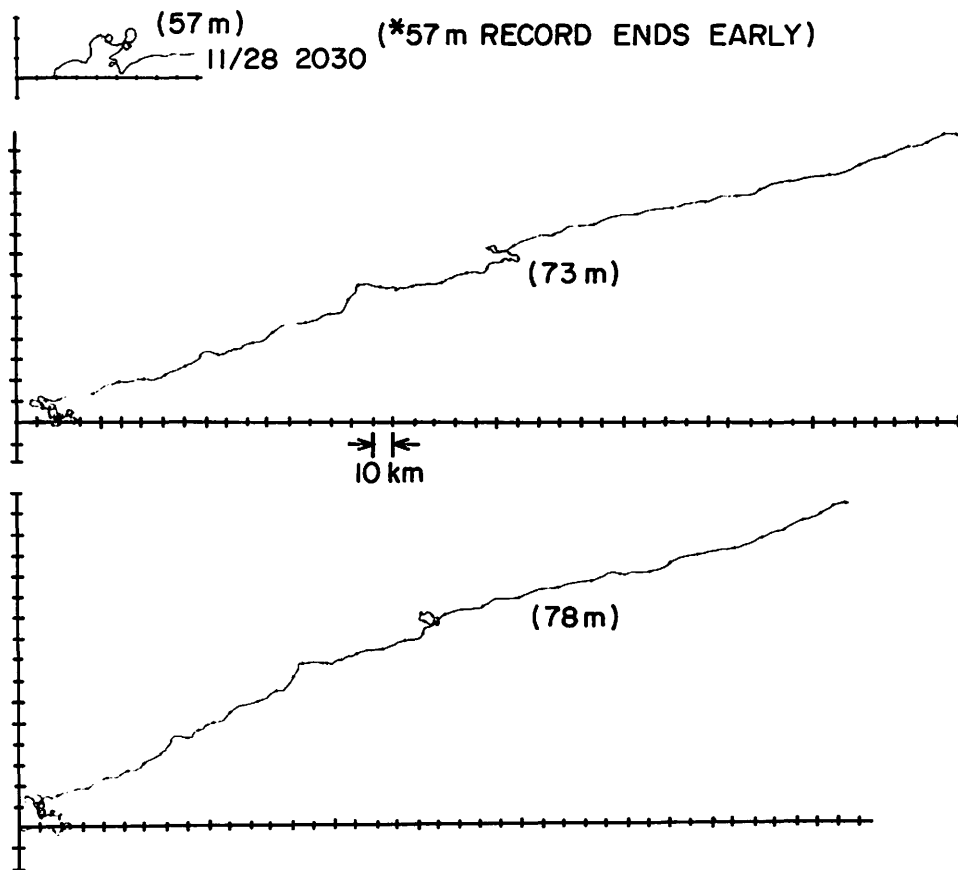


A-127

INSHORE ARRAY
11/19/73 1400-12/19/73 0930*

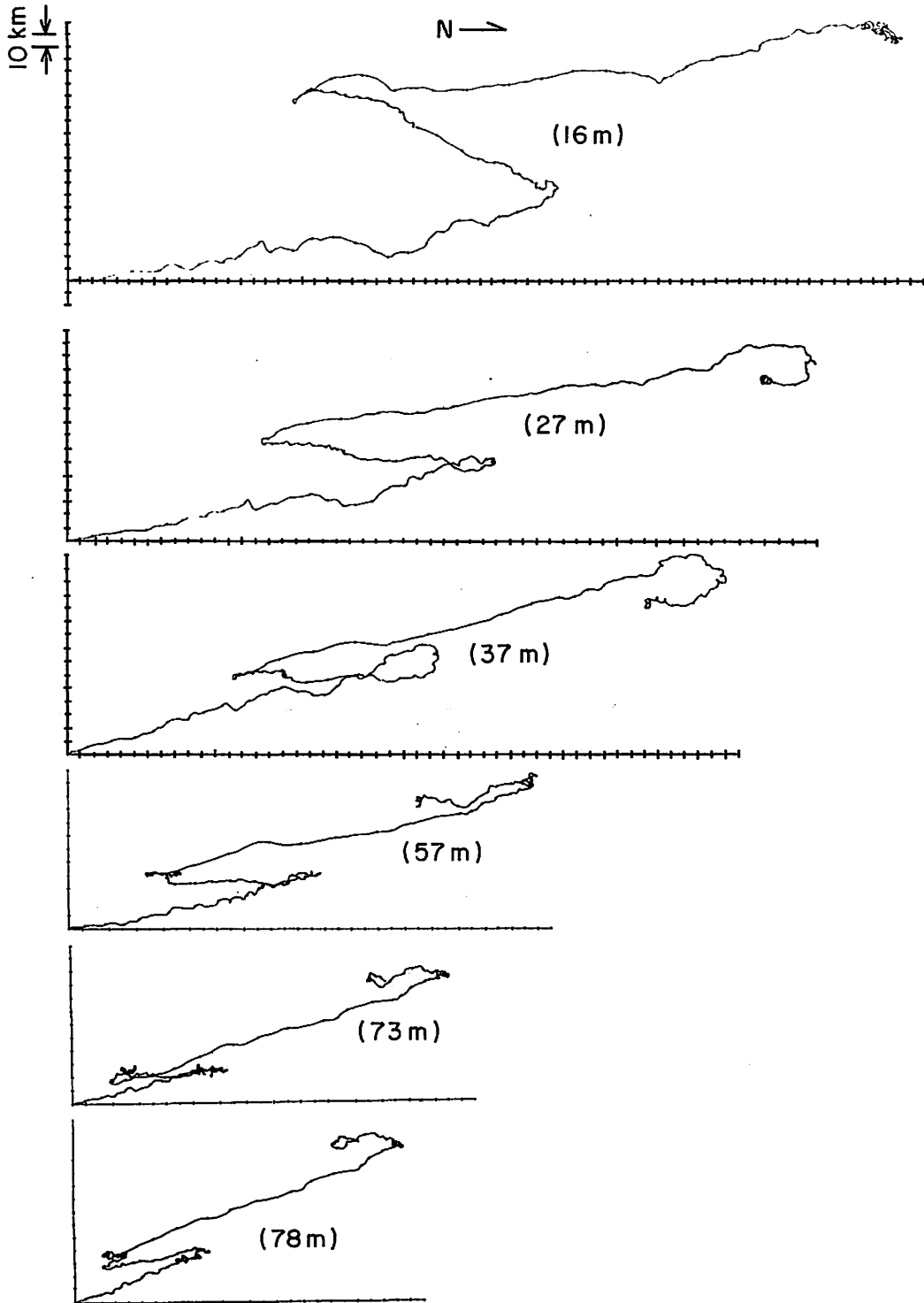
+ EVERY 12 HOURS

N →



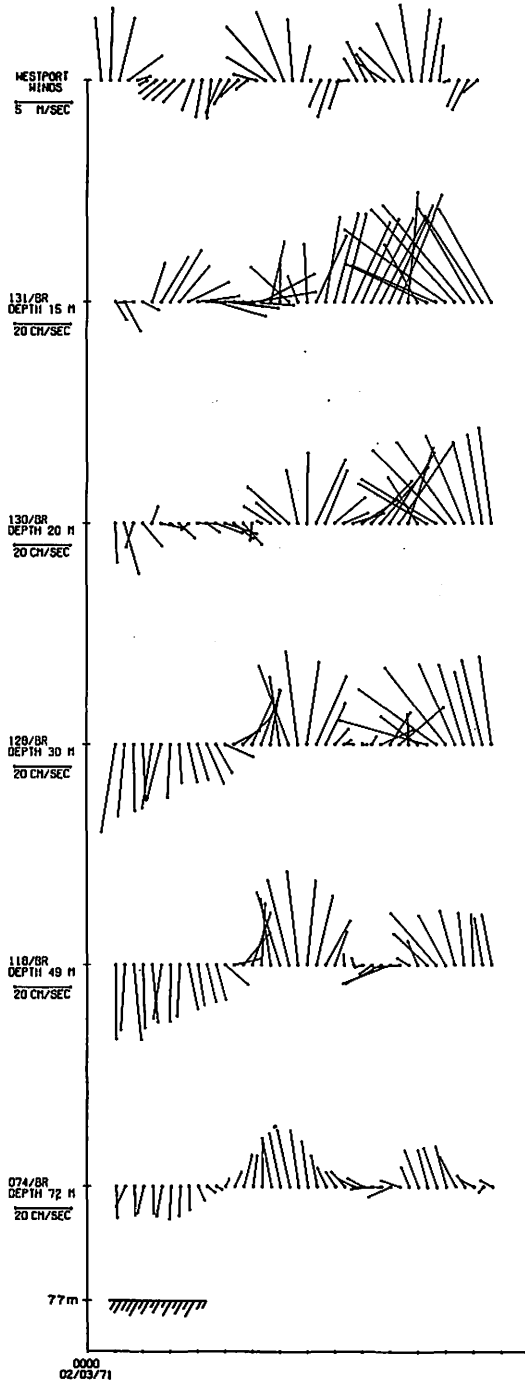
INSHORE ARRAY
12/19/73 1300 - 1/29/74 0930

+ EVERY 12 HOURS



The composite vector plots and associated data points shown on pages A-130 through A-263 resulted from applying a running mean 24 hour filter to the U and V components of the basic data files of the current meters and to the hourly wind values. The time axis on each plot is marked at 0000 hours of each day. Total water depth is indicated by //////// marking on each plot.

02/03/71 - 02/17/71 INSHORE
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 6 HOURS



DATA POINTS FOR PLOT ENTITLED.. 02/03/71 - 02/17/71 INSHORE

WINDS FROM WESTPORT

PLOT ORIGIN TIME 02/03/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIP FROM	U	V
12.0	5.6	174	-.6	5.6	6.5	182	.2	6.5	5.8	193	1.3	5.6
36.0	3.9	234	3.0	2.2	1.2	253	1.1	.4	.9	60	-.7	-.4
60.0	1.9	52	-1.5	-1.2	2.6	49	-1.9	-1.7	2.7	48	-2.0	-1.8
84.0	2.6	43	-1.8	-1.9	2.8	29	-1.0	-2.6	3.3	9	-.6	-3.3
108.0	3.4	6	-.4	-3.4	3.2	24	-1.3	-2.9	2.5	33	-1.3	-2.1
132.0	2.1	48	-1.5	-1.4	1.3	52	-1.0	-.9	2.1	105	-2.1	.5
156.0	4.1	120	-3.5	2.1	6.5	137	-4.4	4.8	6.6	158	-2.5	6.1
180.0	5.5	175	-.5	5.5	3.2	193	.7	3.1	.1	19	-.0	-.1
204.0	2.5	23	-1.0	-2.3	3.4	18	-1.1	-3.3	2.6	19	-.9	-2.5
228.0	1.1	93	-1.0	-.1	2.2	150	-1.1	1.9	3.9	153	-1.7	7.5
252.0	2.9	144	-1.7	2.4	3.0	123	-2.5	1.7	4.2	134	-3.1	2.9
276.0	5.6	155	-2.4	5.1	6.9	171	-1.1	6.8	6.4	186	.7	6.4
300.0	5.6	189	.9	5.5	3.1	186	.3	3.1	.5	71	-.5	-.2
324.0	2.5	24	-1.0	-2.3	3.0	28	-1.4	-2.6	1.6	49	-1.2	-1.1

DATA POINTS FOR PLOT ENTITLED.. 02/03/71 - 02/17/71 INSHORE

METER 131/00 AT DEPTH 15 METERS.

PLOT ORIGIN TIME 02/17/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
25.0	7.8	148	4.1	-6.6	12.0	151	5.7	-10.6	5.3	207	-5.3	-1.3
43.0	6.3	117	5.6	-2.9	14.3	18	4.6	14.1	19.3	31	9.3	16.3
73.0	21.9	31	11.2	19.9	16.9	40	10.8	12.8	15.3	64	14.6	7.1
97.0	15.2	82	15.0	2.1	18.4	90	18.4	-1.5	19.8	108	19.2	-5.2
121.0	13.7	97	13.6	-1.5	16.3	98	16.2	-2.3	18.5	94	18.5	-1.1
145.0	23.5	81	23.2	3.7	21.8	62	19.2	10.2	22.4	12	4.8	21.9
169.0	13.6	0	.0	13.6	18.9	312	-14.0	12.7	10.0	338	-3.8	0.3
193.0	21.1	357	-1.3	21.0	26.3	24	13.9	24.0	31.1	9	5.1	30.6
217.0	33.2	15	9.5	32.1	32.7	14	8.1	31.9	31.8	25	13.3	29.9
241.0	32.8	24	13.1	30.0	33.8	26	15.0	30.3	34.3	27	15.8	30.4
265.0	39.3	24	15.5	35.0	41.7	22	15.5	38.7	39.0	5	3.5	39.8
289.0	24.2	330	-12.0	21.7	32.3	295	-29.2	13.9	33.2	294	-30.4	13.4
313.0	44.9	306	-36.5	26.2	45.0	318	-30.0	33.5	45.5	323	-29.2	35.1
337.0	33.4	330	-19.7	34.1	37.6	327	-20.7	31.4	38.5	331	-13.9	33.5

DATA POINTS FOR PLOT ENTITLED.. 02/03/71 - 02/17/71 INSHOPS

METER 130/BR AT DEPTH 20 METERS.

PLOT ORIGIN TIME 02/03/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
25.0	14.4	177	.8	-14.4	19.1	164	5.3	-18.4	9.2	197	-2.7	-8.9
49.0	10.9	140	7.1	-8.4	6.5	20	2.2	6.1	8.5	102	9.3	-1.7
73.0	.9	116	.9	-.4	7.8	133	5.7	-5.3	3.5	228	-2.6	-2.3
97.0	6.5	91	6.5	-.1	5.8	125	4.7	-3.4	10.4	110	9.7	-3.6
121.0	12.3	109	11.7	-3.9	9.1	128	7.1	-5.6	10.4	139	6.9	-7.8
145.0	6.3	198	-.8	-6.2	1.7	300	-1.5	.9	11.5	302	-9.7	6.2
169.0	11.4	311	-8.6	7.4	20.0	311	-15.1	13.1	19.7	347	-4.3	19.2
193.0	25.6	1	.2	25.6	25.3	24	10.5	23.0	20.6	22	7.9	19.1
217.0	14.5	50	11.1	9.4	9.6	66	8.8	3.9	11.8	72	11.2	3.7
241.0	15.5	56	12.9	8.7	21.2	43	14.6	15.4	26.6	40	17.1	20.3
265.0	30.3	32	16.2	25.6	35.0	34	19.7	28.9	28.8	18	9.0	27.4
289.0	19.7	327	-10.6	16.6	28.6	300	-24.7	14.4	31.3	301	-26.9	16.0
313.0	37.1	316	-26.0	26.5	36.0	325	-20.7	29.5	34.4	337	-13.5	31.7
337.0	30.2	346	-7.1	29.4	32.4	350	-5.4	32.0	34.9	352	-4.7	34.6

DATA POINTS FOR PLOT ENTITLED.. 02/03/71 - 02/17/71 INSHORE

METER 123/02 AT DEPTH 30 METERS.

PLOT ORIGIN TIME 02/03/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 3 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
25.0	32.1	189	-5.0	-31.7	26.1	185	-2.3	-26.0	24.1	179	.4	-24.1
49.0	20.2	177	1.2	-20.2	23.3	189	-3.6	-23.0	20.1	174	-5.0	-10.5
73.0	19.2	183	-1.0	-19.2	13.7	176	.9	-13.7	14.0	167	3.2	-13.6
97.0	13.3	163	3.9	-12.7	15.3	156	6.2	-14.0	11.7	150	5.9	-12.2
121.0	11.3	114	10.3	-4.5	10.7	62	9.4	5.0	14.4	46	10.3	10.0
145.0	18.3	25	7.6	15.7	20.9	20	7.1	19.5	20.1	10	3.4	19.8
169.0	24.6	352	-3.6	24.3	30.3	379	-11.0	28.2	33.8	352	-4.5	33.5
193.0	29.9	8	4.4	29.6	26.8	24	10.8	24.5	16.5	26	7.3	14.8
217.0	7.4	42	4.9	5.5	2.9	59	2.5	1.5	1.9	279	-1.9	.3
241.0	1.7	90	1.7	.0	3.5	31	1.8	3.0	13.1	65	11.9	5.4
265.0	13.8	32	7.4	11.5	20.8	50	15.9	13.4	10.9	758	-.4	10.9
289.0	16.6	307	-13.2	10.0	32.8	286	-31.6	8.8	34.2	306	-27.8	19.9
313.0	35.2	322	-21.3	27.5	31.5	376	-12.7	28.8	30.0	343	-9.9	28.6
337.0	26.9	345	-6.8	26.0	31.2	346	-7.3	30.3	31.8	352	-4.4	31.5

DATA POINTS FOR PLOT ENTITLED.. G2/03/71 - 02/17/71 INSHOPF

METER 118/89 AT DEPTH 49 METERS.

PLOT ORIGIN TIME 02/03/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
25.0	26.8	179	.3	-26.8	23.5	183	-1.4	-23.4	27.1	174	2.7	-27.0
49.0	22.7	178	.7	-22.7	20.8	174	2.2	-20.7	19.3	189	-2.9	-19.1
73.0	20.2	181	-.2	-20.2	18.3	183	-.9	-18.3	16.1	168	3.2	-15.8
97.0	14.6	171	2.4	-14.4	13.6	166	3.3	-13.2	12.9	164	3.5	-12.4
121.0	10.9	131	8.3	-7.1	9.9	77	9.6	7.2	15.1	40	9.7	11.6
145.0	19.9	19	6.5	18.7	22.2	3	1.2	22.2	24.2	351	-3.8	23.9
169.0	27.7	342	-8.5	26.3	31.7	346	-7.9	30.7	34.3	353	-4.2	34.0
193.0	30.6	5	2.9	30.4	25.7	13	5.8	25.0	18.3	29	8.9	16.0
217.0	12.7	20	4.4	11.9	3.6	355	-.3	3.6	2.6	345	-.7	2.5
241.0	2.9	255	-2.8	-.7	5.4	235	-4.5	-3.1	14.5	242	-12.8	-6.8
265.0	18.5	249	-17.2	-6.6	9.5	264	-9.5	-1.0	4.8	300	-4.1	2.4
289.0	9.3	337	-3.6	8.5	16.4	313	-12.0	11.3	24.9	319	-16.4	18.7
313.0	20.3	331	-9.7	17.8	20.2	344	-5.4	19.5	18.7	354	-2.1	18.6
337.0	18.1	357	-.8	18.1	16.9	350	-3.0	16.7	18.4	349	-3.6	18.0

DATA POINTS FOR PLOT ENTITLED.. 02/03/71 - 02/17/71 INSHORE

METER 074/00 AT DEPTH 72 METERS.

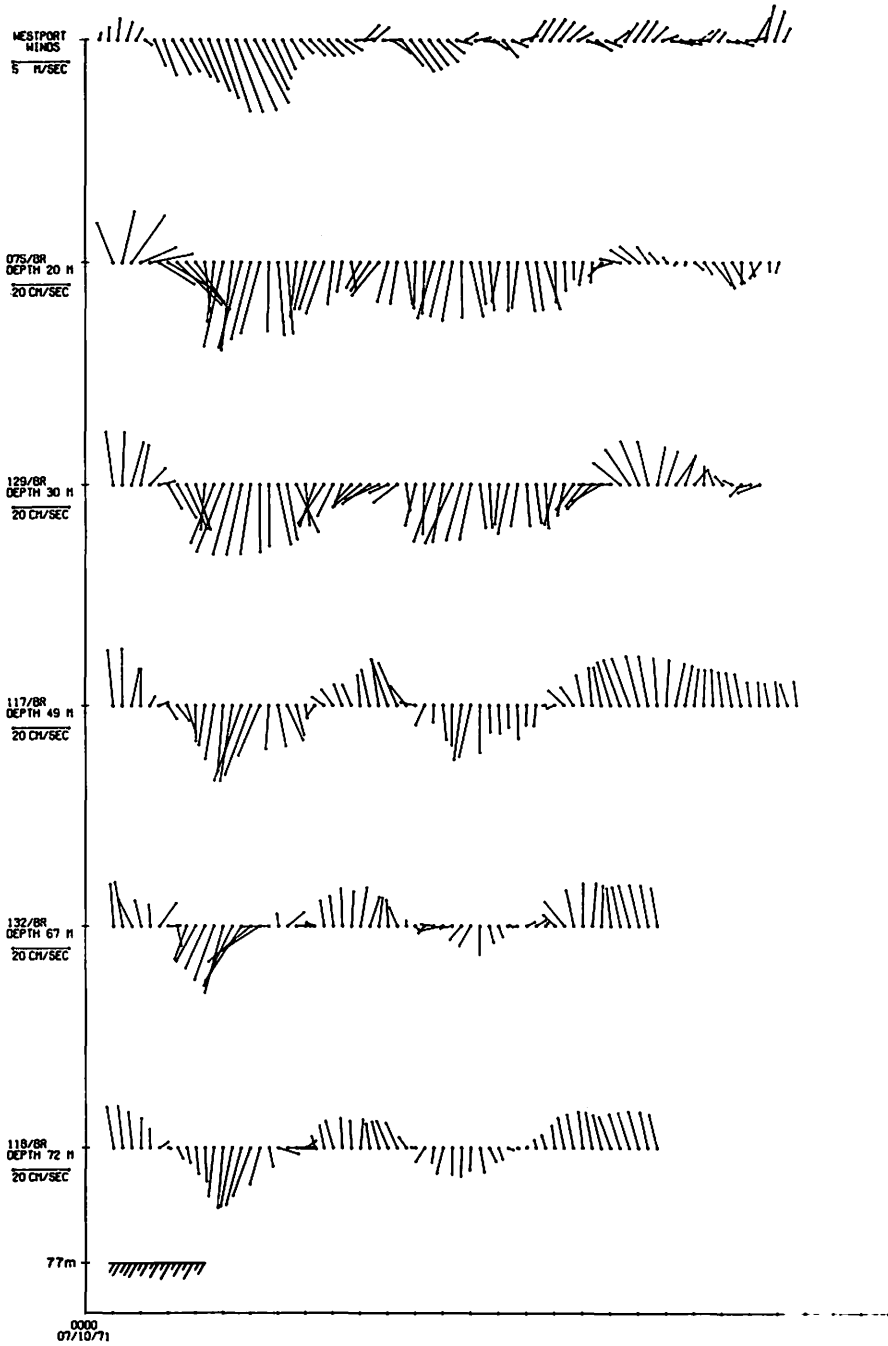
PLOT ORIGIN TIME 02/03/71 1800

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
25.0	11.3	178	.4	-11.3	8.1	205	-3.4	-7.3	10.3	179	.3	-10.3
49.0	9.8	193	-2.2	-9.5	9.3	178	.3	-9.3	10.4	190	-1.9	-10.7
73.0	11.8	183	-.7	-11.8	10.5	182	-.5	-10.5	8.5	178	.3	-8.5
97.0	5.5	156	2.3	-5.0	3.5	129	2.8	-2.2	2.2	120	1.9	-1.1
121.0	2.8	26	1.2	2.5	5.8	24	2.4	5.3	11.7	14	2.9	11.3
145.0	11.2	7	1.4	11.1	15.0	0	.1	15.9	17.7	349	-3.4	17.4
169.0	19.6	348	-4.2	19.2	20.0	347	-4.6	20.4	20.4	351	-3.1	20.2
193.0	16.4	352	-2.2	16.3	11.3	349	-2.2	11.1	7.4	334	-3.3	6.7
217.0	6.3	326	-3.5	5.2	7.2	318	-4.9	5.3	6.0	296	-5.4	2.6
241.0	6.3	299	-5.5	3.0	7.7	264	-7.7	-.9	9.1	269	-0.1	-.1
265.0	8.9	246	-8.1	-3.6	7.1	288	-6.9	2.3	7.5	328	-2.9	7.1
289.0	14.0	339	-5.0	13.1	13.6	345	-3.5	13.2	14.8	341	-4.8	14.0
313.0	15.0	345	-3.3	14.5	11.9	333	-5.5	10.6	4.8	325	-2.7	3.9
337.0	5.1	296	-4.6	2.3	2.6	220	-1.6	-1.9	4.9	297	-4.4	2.2

07/10/71 - 08/07/71 INSHORE
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 6 HOURS



DATA POINTS FOR PLOT ENTITLED... 07/10/71 - 18/07/71 INSHORE

WINDS FROM WESTPORT

PLOT ORIGIN TIME 07/10/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP FROM	U	V	SPEED	DIP FROM	U	V	SPEED	DIP FROM	U	V
12.0	.6	195	.2	.6	1.2	184	.1	1.2	2.0	187	.2	1.9
36.0	1.7	197	.5	1.6	1.2	210	.6	1.0	.7	308	.6	-.4
60.0	2.5	337	1.0	-2.3	3.4	340	1.1	-3.2	3.5	333	1.6	-3.1
84.0	3.3	331	1.6	-2.3	3.8	332	1.7	-3.3	4.1	337	1.6	-3.8
108.0	5.0	338	1.9	-4.6	5.5	341	1.8	-5.2	6.7	342	2.1	-5.4
132.0	6.9	340	2.4	-5.4	6.9	336	2.9	-6.3	6.4	332	3.0	-5.6
156.0	5.0	334	2.2	-4.4	3.8	335	1.6	-3.4	2.8	335	1.1	-2.6
180.0	2.0	330	1.0	-1.7	1.6	318	1.1	-1.2	1.9	316	1.3	-1.4
204.0	2.0	315	1.4	-1.4	1.9	318	1.3	-1.4	1.9	310	1.5	-1.2
228.0	1.7	303	1.4	-.9	1.5	267	1.5	.1	1.9	224	1.3	1.3
252.0	1.3	230	1.4	1.1	1.5	269	1.5	.0	2.0	305	1.6	-1.1
276.0	3.0	320	1.9	-2.3	3.5	324	2.1	-2.9	3.2	324	1.9	-2.6
300.0	2.8	324	1.7	-2.3	2.6	319	1.7	-2.0	1.9	309	1.5	-1.2
324.0	1.4	285	1.3	-.4	1.1	239	1.0	.5	1.3	259	1.3	.3
348.0	1.2	278	1.2	-.2	1.4	304	1.1	-.3	1.9	320	1.2	-1.5
372.0	1.4	293	1.3	-.6	1.4	252	1.3	.4	2.1	215	1.2	1.7
396.0	2.3	212	1.2	1.9	2.3	215	1.3	1.7	2.1	219	1.3	1.6
420.0	1.9	228	1.4	1.2	1.4	242	1.2	.7	1.4	287	1.3	-.4
444.0	1.5	305	1.3	-.9	1.4	291	1.3	-.5	1.4	234	1.2	.8
468.0	1.9	216	1.1	1.5	2.2	216	1.3	1.3	2.1	215	1.2	1.7
492.0	1.7	226	1.2	1.2	1.4	252	1.3	.4	1.3	281	1.3	-.3
516.0	1.3	281	1.3	-.3	1.5	269	1.5	.9	1.4	233	1.1	.9
540.0	1.3	223	.9	.9	.9	219	.6	.7	.9	282	.9	-.2
564.0	1.4	287	1.4	-.4	1.8	261	1.8	.3	2.3	210	1.2	2.0
588.0	3.3	194	.9	3.2	2.8	198	.9	2.6	1.3	297	.6	1.1

DATA POINTS FOR PLOT ENTITLED.. 07/10/71 - 08/07/71 INSHORE

METER 075/09 AT DEPTH 20 METERS.

PLOT ORIGIN TIME 07/10/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	15.6	339	-5.7	14.5	19.1	14	4.5	18.5	21.0	36	12.2	17.1
48.0	14.0	67	12.8	5.5	15.8	79	15.5	3.1	15.0	122	12.7	-7.9
72.0	19.7	121	16.9	-10.1	22.0	134	15.9	-15.2	23.0	137	15.6	-17.0
96.0	17.6	145	10.2	-14.3	17.9	173	2.1	-17.8	21.4	147	-2.6	-21.3
120.0	31.0	193	-7.1	-30.2	31.9	187	-4.1	-31.6	31.8	195	-8.4	-30.6
144.0	28.4	195	-7.2	-27.5	26.4	195	-7.0	-25.4	24.7	191	-.6	-24.7
168.0	26.1	175	2.2	-26.0	25.5	175	2.0	-25.4	19.5	187	-2.3	-19.3
192.0	17.3	194	-4.1	-16.7	17.6	199	-5.7	-16.6	19.4	200	-6.5	-19.3
216.0	15.1	188	-2.1	-14.9	10.6	190	-1.9	-10.5	9.5	170	1.7	-9.4
240.0	10.3	210	-5.2	-8.9	12.1	215	-6.9	-10.0	15.3	220	-9.8	-11.8
264.0	14.6	196	-3.9	-14.0	15.0	190	-2.5	-14.8	15.1	172	2.2	-14.9
288.0	16.5	182	-.6	-16.5	18.4	183	-.9	-18.4	20.8	196	-5.9	-20.0
312.0	19.8	193	-4.6	-19.3	21.2	190	-3.7	-20.8	19.8	180	.1	-19.8
336.0	19.7	167	4.3	-19.2	14.8	172	1.9	-14.7	17.0	175	1.6	-17.0
360.0	14.1	191	-2.6	-13.8	17.3	180	-.0	-17.3	16.3	187	-2.1	-16.2
384.0	17.7	171	2.9	-17.5	17.2	172	2.4	-17.1	17.6	163	5.2	-16.9
408.0	14.3	179	.3	-14.3	10.1	177	.5	-10.1	5.9	180	.0	-5.9
432.0	8.1	190	-1.4	-8.0	6.9	185	-.7	-6.9	6.5	225	-4.5	-4.6
456.0	6.6	251	-6.2	-2.1	7.2	282	-7.1	1.5	8.2	305	-6.7	4.6
480.0	9.0	312	-6.7	5.9	7.0	325	-4.0	5.7	4.5	320	-2.9	3.5
504.0	2.3	324	-1.4	1.9	1.1	220	-.7	-.8	.9	199	-.3	-.9
528.0	3.8	132	2.8	-2.5	5.0	147	2.7	-4.2	10.0	142	6.1	-7.9
552.0	10.0	156	4.1	-9.1	8.4	149	4.3	-7.3	7.5	181	-.1	-7.5
576.0	4.8	165	1.2	-4.7	6.7	214	-3.7	-5.5	3.2	179	.1	-3.2
600.0	3.6	197	-1.1	-3.4								

DATA POINTS FOR PLOT ENTITLED.. 07/10/71 - 08/07/71 INSHORE

METE2 123/32 AT DEPTH 30 METERS.

PLOT ORIGIN TIME 07/10/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
24.0	17.5	353	-2.5	19.3	19.1	3	1.0	19.1	16.3	16	4.5	15.3
48.0	14.6	12	3.0	14.3	8.2	44	5.7	6.0	5.8	77	5.6	1.3
72.0	9.8	150	4.9	-8.5	13.7	151	6.7	-11.9	17.5	155	7.5	-15.9
96.0	17.1	162	5.3	-16.2	16.2	185	-1.5	-16.1	22.6	202	-8.5	-21.0
120.0	26.1	202	-3.7	-24.2	26.2	196	-7.1	-25.2	25.7	192	-5.5	-25.1
144.0	25.3	189	-3.8	-25.0	24.3	180	.1	-24.3	22.1	180	.1	-22.1
168.0	21.9	168	4.5	-21.5	20.8	170	3.6	-19.7	18.8	155	7.9	-17.1
192.0	14.6	174	1.5	-14.5	15.8	200	-5.5	-14.9	16.7	214	-9.3	-13.8
216.0	12.5	207	-5.7	-11.2	8.2	201	-2.9	-7.6	8.3	224	-5.3	-5.9
240.0	12.8	232	-10.1	-7.9	11.9	236	-9.8	-6.8	13.1	246	-12.0	-5.7
264.0	7.2	247	-6.6	-2.8	10.6	233	-8.5	-6.3	9.3	172	1.3	-9.2
288.0	15.1	194	-3.7	-14.6	17.8	183	-.8	-17.8	21.8	200	-7.3	-20.5
312.0	21.0	191	-3.9	-21.7	23.3	205	-9.9	-21.1	20.8	196	-5.7	-20.1
336.0	20.2	192	-4.2	-19.8	15.5	173	1.9	-15.4	15.3	177	.9	-15.3
360.0	14.3	186	-1.5	-14.2	18.0	192	-3.7	-17.6	15.1	189	-2.4	-14.9
384.0	14.9	176	1.1	-14.9	13.8	173	1.7	-13.7	15.8	176	1.1	-15.8
408.0	14.8	195	-3.7	-14.3	11.4	192	-2.4	-11.1	10.8	215	-6.2	-8.9
432.0	10.0	218	-6.1	-7.9	12.5	226	-8.9	-9.7	11.9	240	-10.3	-5.0
456.0	11.4	270	-11.4	-.0	12.3	310	-9.4	7.9	15.3	326	-9.5	12.7
480.0	16.9	338	-6.4	15.7	16.0	347	-3.7	15.5	13.6	12	2.8	13.4
504.0	12.4	19	4.0	11.8	11.0	36	6.4	8.9	10.9	20	3.8	10.3
528.0	6.1	40	3.9	4.6	6.4	1	.1	6.4	5.6	348	-1.9	5.2
552.0	3.9	319	-2.5	3.0	3.2	298	-2.8	1.5	5.5	225	-3.9	-3.9
576.0	4.8	259	-4.7	-1.0	8.3	251	-7.8	-2.9				

DATA POINTS FOR PLOT ENTITLED.. 07/10/71 - 09/07/71 INSHORE

METER 117/BR AT DEPTH 49 METERS.

PLOT ORIGIN TIME 07/10/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	20.2	355	-1.9	20.1	20.6	0	.1	20.6	13.4	13	2.9	17.1
48.0	13.1	1	.2	13.1	3.8	31	2.0	3.3	3.6	70	3.3	1.2
72.0	5.8	147	3.1	-4.9	7.0	142	4.3	-5.5	9.9	161	3.3	-9.4
96.0	12.9	180	.1	-12.9	14.5	189	-2.2	-14.3	19.5	190	-3.2	-19.2
120.0	23.5	195	-2.0	-23.5	27.4	199	-4.5	-27.1	28.6	200	-10.0	-26.8
144.0	26.4	201	-9.3	-24.7	19.5	204	-7.8	-17.9	15.6	184	-1.2	-15.5
168.0	14.8	169	2.8	-14.6	13.7	155	5.7	-12.4	10.9	165	2.8	-10.6
192.0	4.7	172	.7	-4.7	5.2	215	-2.9	-4.2	5.1	305	-4.2	2.9
216.0	6.9	324	-4.1	5.6	7.0	339	-2.9	7.4	8.0	337	-3.1	7.3
240.0	10.9	355	-.9	10.8	13.0	348	-2.8	12.7	16.5	352	-2.4	16.3
264.0	17.6	340	-5.9	16.6	16.6	337	-6.5	15.2	8.7	321	-5.5	6.7
288.0	5.4	281	-5.3	1.1	7.8	205	-3.2	-7.1	6.1	183	-.3	-6.1
312.0	12.4	175	1.2	-12.3	14.3	191	-.3	-14.3	19.8	188	-2.8	-19.6
336.0	18.9	193	-4.3	-18.4	16.9	180	-.1	-16.9	9.5	178	.3	-9.5
360.0	10.0	178	.4	-10.0	8.0	178	.2	-8.0	12.0	178	.3	-12.0
384.0	7.1	192	-.3	-7.1	7.5	186	-.8	-7.5	.9	266	-.9	-.1
408.0	2.9	247	-2.7	-1.2	7.5	314	-5.5	5.2	7.8	325	-4.4	6.4
432.0	10.8	348	-2.2	10.6	13.3	355	-1.1	13.3	13.9	349	-2.6	13.6
456.0	16.1	344	-4.6	15.4	17.2	341	-5.7	16.2	17.8	340	-6.1	16.8
480.0	18.1	346	-4.4	17.6	17.8	350	-3.2	17.5	16.8	356	-1.2	16.7
504.0	16.1	4	1.1	16.0	15.1	12	3.2	14.7	14.2	11	2.7	14.0
528.0	12.8	7	1.6	12.7	12.6	2	.5	12.5	12.6	358	-.5	12.6
552.0	11.9	354	-1.3	11.9	11.7	351	-1.9	11.6	11.4	349	-2.2	11.2
576.0	8.2	353	-1.1	8.1	8.2	357	-.4	8.2	7.8	350	-1.4	7.7
600.0	8.3	354	-.9	8.3	7.8	341	-2.5	7.4	8.4	353	-1.0	8.4

DATA POINTS FOR PLOT ENTITLED.. 07/10/71 - 08/07/71 INSHORE

METER 132/25 AT DEPTH 67 METERS.

PLOT ORIGIN TIME 07/10/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
24.0	15.2	356	-1.0	15.2	16.1	350	-2.7	15.9	10.6	334	-4.7	9.5
48.0	9.5	347	-2.2	9.2	7.6	356	-0.5	7.6	10.1	37	6.0	9.1
72.0	4.4	87	4.4	.2	7.2	169	1.4	-7.0	12.7	200	-4.4	-11.9
96.0	14.5	209	-7.1	-12.6	16.7	205	-7.1	-15.1	20.6	200	-7.2	-10.3
120.0	24.8	136	-6.8	-23.8	23.7	206	-10.5	-21.2	23.4	214	-13.1	-10.3
144.0	20.0	231	-15.4	-12.7	16.1	238	-13.6	-8.6	10.2	269	-10.2	-.2
168.0	4.4	352	-.6	4.4	7.7	50	5.9	4.9	5.8	89	5.8	.1
192.0	1.8	92	1.8	-.1	3.2	293	-3.0	1.3	9.1	351	-1.4	9.0
216.0	10.7	353	-1.3	10.6	13.4	358	-.6	13.4	12.5	4	.8	12.5
240.0	14.0	10	2.3	13.8	10.9	18	3.5	10.4	10.1	7	1.3	10.6
264.0	9.3	356	-.6	9.3	7.2	337	-2.9	6.6	1.8	358	-.1	1.8
288.0	1.9	139	1.2	-1.4	3.3	221	-2.2	-2.5	4.6	279	-4.5	.7
312.0	9.2	258	-8.0	-1.7	4.3	259	-4.2	-.8	6.5	221	-4.2	-4.9
336.0	8.2	210	-4.1	-7.1	10.1	181	-.2	-10.1	6.0	166	1.5	-5.8
360.0	4.1	159	1.5	-3.9	.7	75	.7	.2	1.6	263	-1.6	-.7
384.0	3.1	64	2.8	1.4	3.8	58	3.2	2.0	1.3	39	.8	1.0
408.0	5.8	314	-4.2	4.0	11.2	321	-7.0	9.7	13.1	348	-2.7	12.8
432.0	15.2	0	.1	15.2	15.2	5	1.4	15.2	14.5	2	.6	14.4
456.0	13.7	354	-1.5	13.6	14.3	348	-2.9	14.0	15.0	345	-3.8	14.5
480.0	15.1	347	-3.3	14.7	14.8	349	-2.7	14.5	13.8	351	-2.3	13.6

DATA POINTS FOR PLOT ENTITLED.. 07/10/71 - 09/07/71 INSHORE

METER 118/22 AT DEPTH 72 METERS.

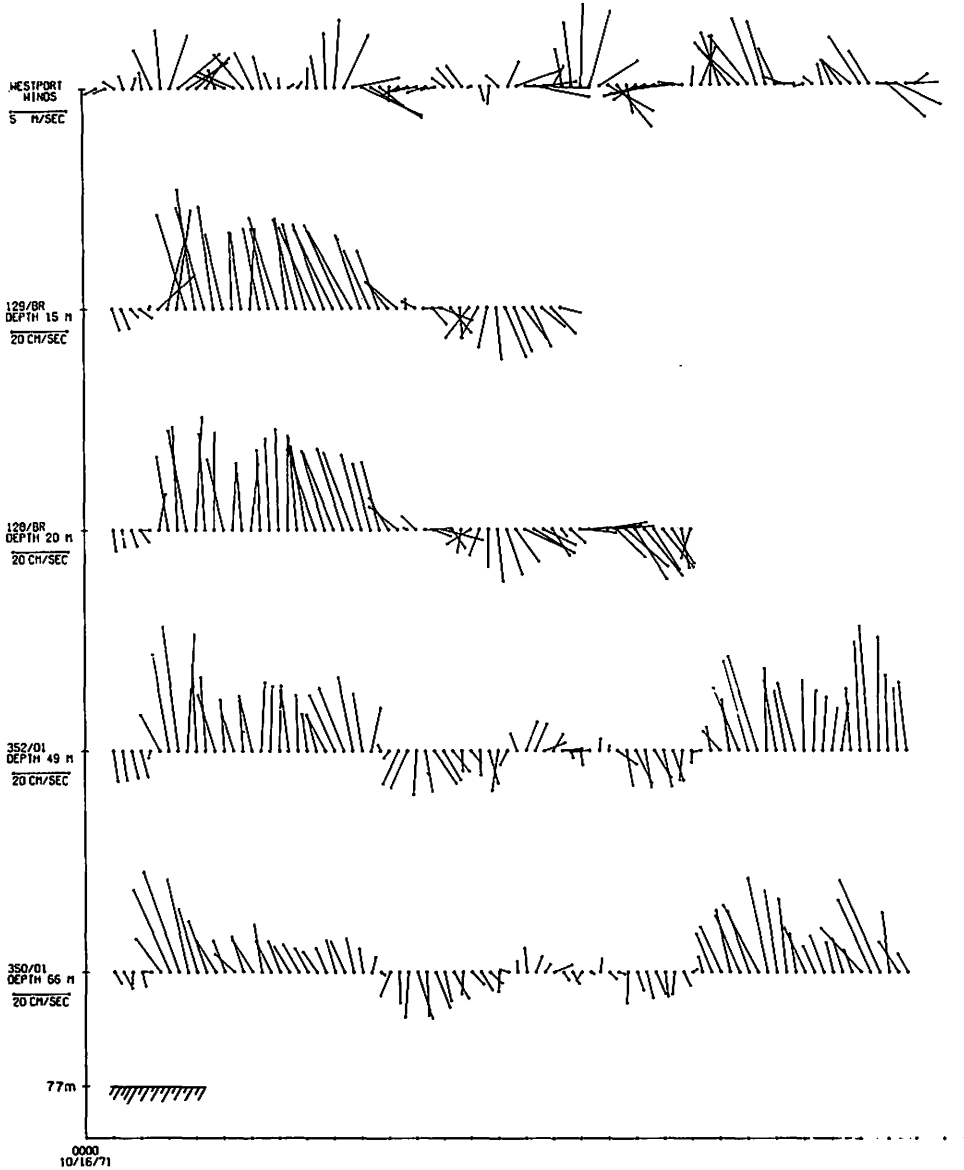
PLOT ORIGIN TIME 07/10/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
24.0	14.8	351	-2.4	14.6	14.9	354	-1.7	14.8	12.8	354	-1.3	12.7
48.0	10.6	1	.1	10.6	6.7	358	-.2	6.7	3.7	57	3.1	2.0
72.0	1.0	112	.9	-.4	4.4	154	1.9	-3.9	5.6	167	1.3	-5.5
96.0	9.6	174	.9	-9.5	12.2	178	.5	-12.2	17.7	186	-2.0	-17.6
120.0	21.8	185	-1.9	-21.7	21.6	191	-4.2	-21.2	21.3	195	-5.6	-20.6
144.0	18.4	200	-6.4	-17.3	13.7	196	-3.7	-13.1	6.9	163	1.4	-6.7
168.0	7.7	108	7.4	-2.3	10.6	93	10.5	-.5	6.6	87	6.6	.4
192.0	4.4	57	3.7	2.4	4.1	344	-1.1	4.0	8.0	348	-1.6	7.8
216.0	9.9	344	-2.7	9.5	10.5	357	-.6	10.5	9.6	357	-.5	9.6
240.0	10.2	5	.9	10.1	8.7	351	-1.3	8.6	9.8	345	-2.6	9.4
264.0	10.5	337	-4.2	9.6	9.8	335	-4.1	8.9	4.7	325	-2.7	3.8
288.0	1.6	280	-1.6	.3	5.9	214	-3.3	-4.9	5.2	189	-.9	-5.2
312.0	9.4	194	-2.3	-9.1	9.5	181	-.2	-9.5	10.2	182	-.3	-10.2
336.0	8.1	183	-.5	-8.0	8.7	170	1.4	-8.6	5.3	155	2.3	-4.8
360.0	4.3	161	1.4	-4.0	1.9	111	1.8	-.7	.6	108	.6	-.2
384.0	.6	25	.2	.5	2.9	348	-.6	2.8	4.7	344	-1.3	4.5
408.0	8.0	353	-1.0	7.9	11.0	349	-2.2	10.7	12.1	349	-2.3	11.9
432.0	13.0	353	-1.6	12.9	12.8	350	-2.3	12.6	12.2	346	-3.0	11.8
456.0	11.9	340	-4.1	11.1	12.6	342	-3.8	12.1	13.2	342	-4.0	12.6
480.0	13.5	345	-3.6	13.0	13.0	347	-2.8	12.7	12.2	346	-2.9	11.9

10/16/71 - 11/15/71 INSHORE
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 8 HOURS



DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 INSHORE

WINDS FROM WESTPORT

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 4 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	1.1	65	-1.0	-.5	1.1	69	-1.0	-.4	1.1	174	-.9	.6
36.0	1.2	163	-.4	1.2	1.0	198	.3	.9	1.4	173	-.2	1.4
60.0	3.8	156	-1.5	3.4	5.2	176	-.4	5.2	5.0	200	1.7	4.7
84.0	4.9	231	3.7	3.0	4.2	238	3.6	2.2	4.0	228	2.9	2.6
108.0	2.7	213	1.5	2.3	1.7	159	-.6	1.6	2.9	114	-2.7	1.2
132.0	3.5	115	-3.2	1.5	3.9	140	-2.6	3.0	3.5	154	-1.5	3.1
156.0	2.3	167	-.7	2.8	1.4	159	-.5	1.3	.8	177	-.0	.8
180.0	.5	241	.4	.2	.6	219	.4	.5	1.7	183	.1	1.7
204.0	3.0	171	-.5	2.9	4.8	179	-.1	4.8	6.0	185	.5	6.0
228.0	5.1	207	2.3	4.6	4.3	259	4.2	.8	6.0	295	5.4	-2.5
252.0	5.4	301	4.6	-2.8	2.7	309	2.1	-1.7	1.2	3	-.1	-1.2
276.0	1.6	63	-1.4	-.7	1.9	75	-1.8	-.5	1.9	80	-1.9	-.3
300.0	1.7	73	-1.6	-.5	1.2	77	-1.2	-.3	1.3	127	-1.0	.8
324.0	2.1	139	-1.4	1.6	2.3	143	-1.4	1.8	.3	73	-.3	-.1
348.0	1.3	346	.3	-1.3	1.6	6	-.2	-1.6	1.4	133	-1.0	1.0
372.0	2.4	206	1.0	2.2	4.2	251	4.0	1.4	5.8	272	5.8	-.2
396.0	5.0	282	4.9	-1.0	3.0	263	3.0	.4	2.0	209	1.0	1.7
420.0	3.3	169	-.6	3.3	5.7	174	-.6	5.6	7.3	182	.3	7.3
444.0	6.8	196	1.9	6.6	4.1	239	3.5	2.1	4.6	300	4.0	-2.3
468.0	4.8	321	3.0	-3.7	2.5	348	.5	-2.4	2.3	57	-2.0	-1.3
492.0	3.8	75	-3.7	-1.0	4.6	78	-4.5	-1.0	4.8	81	-4.7	-.7
516.0	4.2	94	-4.2	-.4	2.1	96	-2.1	.2	1.5	186	.2	1.5
540.0	3.5	203	1.4	3.3	4.3	183	.2	4.3	4.8	161	-1.6	4.6
564.0	4.8	141	-3.0	3.7	4.7	133	-3.4	3.2	5.4	142	-3.3	4.3
588.0	6.2	160	-2.1	5.8	5.8	164	-1.6	5.6	3.4	155	-1.4	3.1
612.0	2.0	109	-1.9	.7	1.5	91	-1.5	.9	.8	72	-.9	-.3
636.0	1.0	129	-.7	.6	1.7	168	-.4	1.7	2.3	157	-.9	2.1
660.0	2.2	142	-1.4	1.8	3.3	130	-2.5	2.1	4.9	147	-2.6	4.1
684.0	3.3	149	-1.7	2.9	1.4	272	1.4	-.0	4.5	312	3.4	-3.0
708.0	4.4	296	4.0	-1.9	2.8	269	2.8	.1	1.4	234	1.1	.8

DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 INCHOP

METOP 129/PP AT DEPTH 15 METERS.

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
25.0	8.0	151	2.5	-7.6	7.6	158	2.9	-7.0	7.8	138	2.5	-7.8
49.0	5.3	128	4.2	-3.7	1.0	20	.3	.9	18.3	48	13.5	12.3
73.0	25.3	15	6.4	24.4	36.1	9	5.5	35.7	35.5	343	-10.1	34.0
97.0	43.6	352	-5.2	43.1	37.3	345	-9.8	36.6	37.3	352	-5.0	36.9
121.0	27.5	348	-5.9	26.9	27.5	359	-.7	27.5	27.4	352	-3.6	27.7
145.0	28.7	4	2.0	28.3	29.4	349	-5.5	28.9	29.5	348	-6.2	28.8
169.0	34.3	343	-10.0	32.8	32.8	353	-3.9	32.5	33.0	346	-7.9	32.1
193.0	31.4	346	-7.3	30.4	31.8	337	-12.6	29.2	32.1	340	-10.7	32.2
217.0	31.9	334	-13.9	29.7	32.8	336	-13.3	30.0	31.5	331	-15.2	27.6
241.0	27.8	342	-8.8	26.4	22.5	337	-8.8	20.6	22.1	340	-7.5	20.8
265.0	12.5	321	-7.4	9.9	12.4	311	-9.4	8.2	3.1	358	-4.1	3.1
289.0	5.2	298	-4.6	2.4	6.1	89	6.1	.1	7.7	140	5.0	-5.0
313.0	12.0	112	11.1	-4.6	11.0	141	7.4	-9.0	11.0	176	.8	-10.9
337.0	13.7	219	-8.7	-10.7	12.4	211	-6.4	-10.6	14.6	193	-3.3	-14.2
361.0	18.6	175	1.7	-18.5	19.2	157	7.4	-17.8	16.8	159	6.1	-15.7
385.0	13.8	144	8.2	-11.1	15.5	155	6.6	-14.1	10.5	130	8.1	-6.8
409.0	12.8	137	8.7	-9.4	7.5	105	7.3	-1.9				

DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 INSHORE

METER 128/9R AT DEPTH 20 METERS.

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
25.0	7.9	173	1.0	-7.9	6.1	172	.8	-6.0	6.2	161	2.0	-5.9
49.0	5.4	146	3.0	-4.5	3.6	272	-3.6	.1	13.3	10	2.3	13.1
73.0	27.1	351	-4.1	26.7	37.5	357	-1.7	37.5	36.8	350	-6.6	36.2
97.0	41.0	3	2.4	41.0	35.1	357	-2.1	35.0	35.3	0	.3	35.3
121.0	26.4	348	-5.7	25.8	24.3	3	1.4	24.3	20.6	355	-1.6	20.5
145.0	24.2	6	2.7	24.1	29.2	358	-1.1	29.2	33.2	358	-1.4	33.2
169.0	36.6	358	-1.1	36.6	34.2	0	.1	34.2	33.4	355	-2.9	33.2
193.0	30.8	350	-5.4	30.3	30.9	341	-9.9	29.2	29.9	344	-8.2	28.8
217.0	29.7	339	-10.8	27.7	30.9	343	-9.2	29.5	29.9	340	-10.2	28.1
241.0	28.2	346	-7.0	27.3	24.8	345	-6.3	24.0	25.3	346	-6.3	24.5
265.0	13.6	329	-7.0	11.7	13.4	310	-10.3	8.6	1.2	303	-1.0	.7
289.0	7.1	314	-5.0	4.9	9.5	87	9.5	.5	6.6	112	6.1	-2.4
313.0	14.9	105	14.4	-4.0	8.2	146	4.6	-6.8	8.5	191	-1.6	-8.3
337.0	10.1	239	-9.6	-5.2	10.1	202	-3.7	-9.4	13.6	181	-.3	-13.6
361.0	19.0	174	1.9	-18.9	17.2	161	5.5	-16.3	14.4	145	8.3	-11.8
385.0	15.9	116	14.4	-6.9	17.1	121	14.6	-8.9	13.0	117	11.6	-5.9
409.0	11.5	148	6.2	-9.7	3.3	142	2.0	-2.6	7.1	133	5.2	-4.9
433.0	13.0	96	13.0	-1.3	18.7	96	18.7	1.4	17.5	82	17.3	2.4
457.0	16.5	86	16.5	1.0	14.4	135	10.1	-10.3	20.3	132	14.9	-13.7
481.0	21.5	148	11.3	-18.3	21.7	141	13.6	-16.9	17.4	148	9.2	-14.8
505.0	17.7	142	10.9	-14.0	14.8	148	7.7	-12.6	14.5	169	2.7	-14.2
529.0	11.3	198	-3.5	-19.7								

DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 INSHORE

METER 352/01 AT DEPTH 49 METERS.

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
25.0	11.3	172	1.5	-11.2	10.7	172	1.5	-10.6	10.0	167	2.2	-7.7
49.0	7.6	166	2.4	-7.3	7.6	195	-4.7	-2.5	14.9	332	-6.9	13.2
73.0	35.6	351	-5.9	35.1	45.4	353	-5.4	45.1	42.3	4	2.7	42.3
97.0	31.1	357	-1.5	31.1	26.9	356	-1.9	26.9	21.3	343	-6.1	20.4
121.0	18.7	356	-1.3	18.6	13.2	343	-3.8	12.6	18.3	357	-1.3	18.3
145.0	20.6	347	-4.5	20.1	25.0	3	1.5	24.9	23.6	2	.8	23.5
169.0	23.7	?	.6	23.7	22.2	353	-2.7	22.0	20.2	358	-6.6	20.2
193.0	13.6	353	-1.7	13.4	13.6	346	-3.3	13.2	14.7	332	-6.9	13.0
217.0	22.2	336	-2.0	20.3	24.5	339	-8.9	22.8	27.2	349	-5.3	26.7
241.0	20.8	352	-3.1	20.6	16.1	13	3.5	15.7	2.2	339	-6.8	2.1
265.0	3.2	217	-1.9	-2.5	13.2	206	-5.7	-11.9	14.7	205	-6.2	-13.4
289.0	15.9	184	-1.2	-15.9	14.7	171	2.4	-14.5	14.1	147	7.8	-11.8
313.0	12.2	150	6.1	-10.5	9.8	141	6.1	-7.6	7.3	178	.3	-7.3
337.0	5.6	141	3.5	-4.4	9.0	178	.2	-9.0	12.3	165	3.2	-11.9
361.0	14.6	189	-2.4	-14.4	5.7	208	-2.7	-5.0	6.6	339	-2.3	6.1
385.0	11.2	22	4.1	10.4	10.6	24	4.4	9.7	8.3	69	7.7	2.9
409.0	6.9	30	3.5	6.0	7.2	84	7.1	.7	2.7	168	.5	-2.6
433.0	5.3	172	.7	-5.2	7.0	266	-7.0	-6.5	4.3	6	.5	4.3
457.0	1.6	12	.3	1.5	8.6	126	6.9	-5.1	12.9	171	2.0	-12.7
481.0	13.1	155	5.6	-11.8	13.5	171	2.0	-13.4	11.4	149	5.8	-9.8
505.0	13.3	168	2.7	-13.0	11.5	161	3.7	-10.9	10.7	145	-1.0	-10.7
529.0	4.3	182	-6.1	-4.3	2.9	258	-2.9	-6.6	8.5	351	-1.3	8.4
553.0	9.1	319	-6.0	6.9	18.4	352	-2.5	18.2	24.4	339	-8.9	22.7
577.0	33.4	345	-9.6	32.3	35.4	343	-10.2	33.9	29.7	359	-6.6	29.7
601.0	25.4	351	-4.1	25.1	21.7	350	-3.8	21.3	25.0	346	-5.9	24.2
625.0	25.3	359	-6.4	25.3	21.6	3	1.1	21.6	19.3	5	1.6	19.3
649.0	15.3	8	2.1	15.1	16.8	9	2.7	16.6	22.4	356	-1.6	22.3
673.0	39.1	357	-1.7	39.1	45.0	356	-3.4	44.8	40.8	0	.0	40.8
697.0	27.2	358	-6.8	27.2	22.3	357	-1.2	22.3	24.7	354	-2.6	24.6

DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 INSHORE

METER 350/01 AT DEPTH 66 METERS.

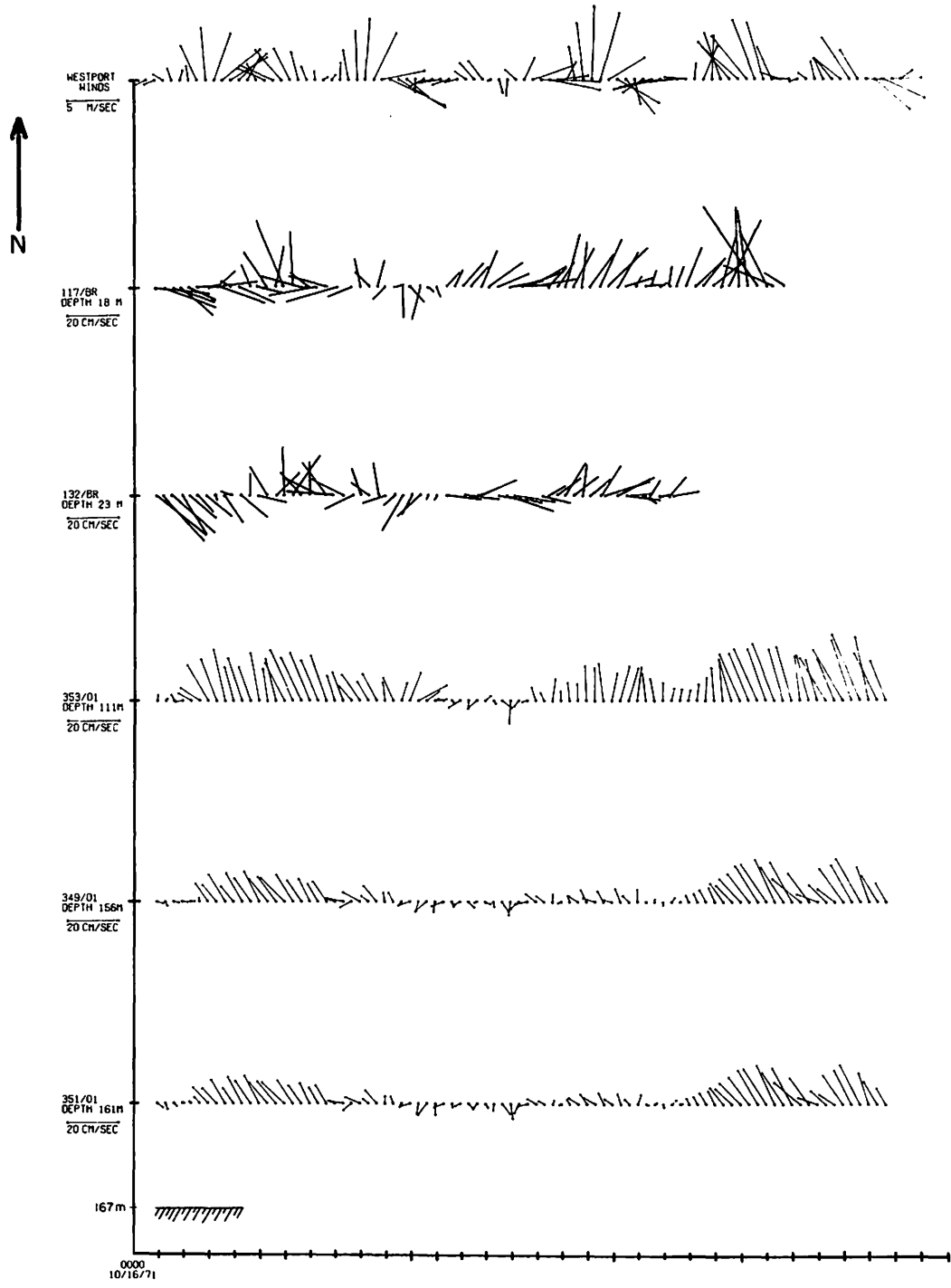
PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
25.0	4.8	149	2.5	-4.1	6.6	152	3.1	-5.8	4.2	184	-3	-4.2
49.0	5.2	167	1.2	-5.1	2.4	274	-2.4	.2	15.0	324	-8.9	12.1
73.0	32.4	336	-13.0	23.7	38.3	341	-12.7	36.1	34.1	347	-7.4	33.2
97.0	23.7	343	-6.8	???.7	19.5	341	-6.4	18.4	13.0	328	-6.9	11.1
121.0	12.0	340	-4.2	11.3	9.4	313	-6.9	6.4	13.3	342	-4.1	12.6
145.0	13.6	328	-7.3	11.5	17.7	351	-2.6	17.1	12.7	334	-5.4	11.0
169.0	11.9	339	-4.2	11.1	10.6	329	-5.4	9.0	11.5	331	-5.6	10.0
193.0	9.6	331	-4.6	8.4	9.0	326	-5.0	7.5	9.3	337	-3.7	8.6
217.0	12.0	344	-3.2	11.6	12.0	336	-4.9	11.0	12.3	348	-2.6	12.1
241.0	8.5	352	-1.2	8.4	5.7	15	1.5	5.5	1.6	126	1.3	-1.0
265.0	9.1	203	-3.6	-8.7	11.1	179	.1	-11.1	16.2	185	-1.4	-16.1
289.0	17.6	162	5.3	-16.7	15.7	178	.6	-15.6	17.7	158	5.0	-12.8
313.0	10.6	168	2.2	-10.4	10.8	151	5.2	-9.5	8.0	185	-6	-8.0
337.0	6.0	137	4.1	-4.4	7.7	149	4.0	-6.6	5.9	133	4.3	-4.0
361.0	7.0	184	-5	-7.0	3.2	287	-3.1	.9	3.9	358	-1	7.8
385.0	8.6	355	-7	8.6	6.1	22	2.3	5.7	3.3	35	1.9	2.7
409.0	6.8	68	6.3	2.5	3.4	147	1.8	-2.9	4.8	151	2.3	-4.2
433.0	3.7	214	-2.1	-7.0	1.2	127	1.0	-7	4.8	8	.6	4.8
457.0	3.3	135	2.3	-2.3	2.3	109	2.2	-8	11.2	183	-6	-11.2
481.0	6.9	162	2.1	-6.6	9.6	167	2.1	-9.4	9.6	157	3.3	-7.9
505.0	8.8	174	.9	-8.8	7.9	187	-1.0	-7.8	5.4	156	2.2	-4.9
529.0	1.8	54	1.4	1.0	5.6	346	-1.4	5.4	14.9	339	-5.4	13.9
553.0	17.8	336	-7.2	16.3	22.8	347	-5.0	22.3	22.0	337	-8.7	20.3
577.0	23.2	341	-7.5	21.9	27.1	333	-12.5	24.1	34.5	349	-6.8	33.8
601.0	29.5	352	-4.3	29.2	26.4	354	-2.7	26.2	13.9	352	-2.0	13.7
625.0	17.3	335	-7.2	15.7	10.0	337	-3.9	9.2	13.8	340	-4.7	13.0
649.0	10.9	347	-2.4	10.6	12.3	344	-3.4	11.8	8.4	341	-2.7	7.9
673.0	21.3	318	-14.2	15.8	28.4	336	-11.5	25.9	35.9	337	-14.2	32.9
697.0	21.6	353	-2.5	21.5	12.8	328	-6.9	10.8	7.4	332	-3.5	6.6

10/16/71 - 11/15/71 OFFSHORE
FILICING OVER 24 HOURS
PLOTING VECTORS EVERY 8 HOURS



DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 OFFSHORE

WINDS FROM WESTPORT

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP FROM	U	V	SPEED	DIP FROM	U	V	SPEED	DIP FROM	U	V
12.0	1.1	65	-1.0	-.5	1.1	69	-1.0	-.4	1.1	124	-.9	.6
36.0	1.2	163	-.4	1.2	1.0	198	.3	.9	1.4	173	-.2	1.4
60.0	3.8	156	-1.5	3.4	5.2	176	-.4	5.2	5.0	200	1.7	4.7
84.0	4.8	231	3.7	3.0	4.2	238	3.6	2.2	3.8	226	2.7	2.6
108.0	2.6	209	1.2	2.2	1.8	152	-.8	1.6	2.9	114	-2.7	1.2
132.0	3.5	115	-3.2	1.5	3.9	140	-2.6	3.0	3.5	154	-1.5	3.1
156.0	2.9	167	-.7	2.9	1.4	159	-.5	1.3	.8	177	-.0	.8
180.0	.5	241	.4	.2	.6	219	.4	.5	1.7	183	.1	1.7
204.0	3.0	171	-.5	2.9	4.8	179	-.1	4.8	6.0	185	.5	6.0
228.0	5.1	207	2.3	4.6	4.3	259	4.2	.8	6.0	295	5.4	-2.5
252.0	5.4	301	4.6	-2.8	2.7	309	2.1	-1.7	1.2	3	-.1	-1.2
276.0	1.6	63	-1.4	-.7	1.9	75	-1.8	-.5	1.9	80	-1.9	-.3
300.0	1.7	73	-1.6	-.5	1.2	77	-1.2	-.3	1.3	127	-1.0	.8
324.0	2.1	139	-1.4	1.6	2.3	143	-1.4	1.8	.3	73	-.3	-.1
348.0	1.3	346	.3	-1.3	1.6	6	-.2	-1.6	1.4	133	-1.0	1.0
372.0	2.4	206	1.0	2.2	4.2	251	4.0	1.4	5.8	272	5.8	-.2
396.0	5.0	282	4.9	-1.0	3.0	263	3.0	.4	2.0	209	1.0	1.7
420.0	3.3	169	-.6	3.3	5.7	174	-.6	5.6	7.3	182	.3	7.3
444.0	6.9	196	1.9	6.6	4.1	239	3.5	2.1	4.6	300	4.0	-2.3
468.0	4.8	321	3.0	-3.7	2.5	348	.5	-2.4	2.3	57	-2.0	-1.3
492.0	3.8	75	-3.7	-1.0	4.6	78	-4.5	-1.0	4.8	81	-4.7	-.7
516.0	4.2	94	-4.2	-.4	2.1	96	-2.1	.2	1.5	186	.2	1.5
540.0	3.5	293	1.4	3.3	4.3	193	.2	4.3	4.9	161	-1.6	4.6
564.0	4.8	141	-3.0	3.7	4.7	133	-3.4	3.2	5.4	142	-3.3	4.3
588.0	6.2	160	-2.1	5.3	5.8	164	-1.6	5.6	3.4	155	-1.4	3.1
612.0	2.0	109	-1.9	.7	1.5	91	-1.5	.0	.8	72	-.8	-.3
636.0	1.0	129	-.7	.6	1.7	168	-.4	1.7	2.3	157	-.9	2.1
660.0	2.2	142	-1.4	1.8	3.3	130	-2.5	2.1	4.9	147	-2.6	4.1
684.0	3.3	149	-1.7	2.9	1.4	272	1.4	-.0	4.5	312	3.4	-3.0
708.0	4.4	296	4.0	-1.9	2.8	269	2.8	.1	1.4	234	1.1	.8

DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 OFFSHORE

METER 117/BR AT DEPTH 18 METERS.

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
22.0	21.1	95	21.0	- 1.8	21.5	110	20.2	- 7.4	17.2	108	16.3	- 5.3
46.0	16.1	130	12.3	-10.3	11.5	114	10.5	- 4.7	8.5	83	8.4	1.0
70.0	19.0	83	18.8	2.3	9.0	50	6.9	5.8	16.4	109	15.5	- 5.3
94.0	5.2	300	- 4.5	2.6	14.5	113	13.3	- 5.7	9.4	337	- 3.7	8.6
118.0	10.3	101	10.1	- 2.0	16.4	327	- 8.9	13.7	16.5	9	2.6	16.3
142.0	27.8	337	-10.9	25.6	21.2	357	- 1.1	21.1	16.7	285	-16.1	4.3
166.0	9.1	307	- 7.3	5.5	19.4	261	-19.2	3.0	14.8	286	-14.2	4.1
190.0	19.8	254	-19.0	- 5.4	11.0	269	-11.0	0.2	10.1	247	- 9.3	- 3.9
214.0	11.0	349	- 2.1	10.8	7.5	317	- 5.1	5.5	9.8	16	2.7	9.4
238.0	7.1	227	- 5.2	- 4.8	2.9	81	2.9	0.5	11.9	180	0	-11.9
262.0	7.2	141	4.5	- 5.6	13.3	194	- 3.2	-12.9	2.4	133	1.7	- 1.6
286.0	2.7	160	0.9	- 2.5	7.8	45	5.5	5.5	6.7	28	3.1	5.9
310.0	11.4	44	7.9	8.2	10.0	42	6.7	7.4	15.0	27	6.8	13.4
334.0	16.6	56	13.8	9.3	13.0	69	12.1	4.6	17.3	89	17.3	0.3
358.0	9.0	80	8.9	1.6	18.1	69	16.9	6.5	15.3	62	13.5	7.2
382.0	15.3	79	15.0	2.9	10.3	45	7.3	7.3	11.9	37	7.2	9.5
406.0	21.4	16	5.9	20.6	16.6	29	8.0	14.5	17.0	8	2.4	16.8
430.0	14.7	38	9.0	11.6	20.0	26	8.8	17.9	21.0	47	13.1	12.2
454.0	15.0	32	7.9	12.7	10.7	72	10.2	3.3	4.1	54	3.3	2.4
478.0	6.9	88	6.9	0.2	6.2	18	1.9	5.9	2.2	65	1.8	0.9
502.0	7.2	9	1.1	7.1	7.7	21	2.7	7.2	16.4	22	6.1	15.2
526.0	15.1	48	11.2	10.1	12.9	38	7.9	10.2	15.7	55	12.9	9.0
550.0	21.2	17	6.2	20.3	27.4	26	12.0	24.6	30.4	357	- 1.6	30.3
574.0	30.1	352	- 4.2	29.8	36.5	326	-20.4	30.2	21.3	334	- 9.3	19.1
598.0	21.3	292	-19.7	8.0	8.7	304	- 7.2	4.9				

DATA POINTS FOR PLOT ENTITLED. . 10/16/71 - 11/15/71 OFFSHORE

METER 132/BR AT DEPTH 23 METERS.

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
22.0	24.5	127	19.6	-14.7	23.8	138	15.9	-17.7	21.0	133	15.4	-14.3
46.0	18.0	147	9.8	-15.1	13.4	130	10.3	- 8.6	8.8	137	6.0	- 6.4
70.0	13.1	128	10.3	- 8.1	1.9	168	0.4	- 1.8	11.9	146	6.6	- 9.9
94.0	4.6	283	- 4.5	1.0	13.9	127	11.1	- 8.4	8.5	001	0.1	8.5
118.0	10.6	102	10.4	- 2.2	12.6	329	- 6.5	10.8	12.3	44	8.5	8.8
142.0	18.4	358	- 0.6	18.3	18.8	37	11.3	15.0	12.5	314	- 9.1	8.5
166.0	12.0	358	-12.0	0.4	15.3	297	-13.6	6.9	15.5	322	-12.2	9.5
190.0	19.4	274	-19.4	1.4	14.4	296	-12.4	1.9	12.2	246	-11.1	- 5.0
214.0	10.7	339	- 3.8	10.0	8.6	304	- 7.1	4.8	12.6	350	- 2.2	12.4
238.0	9.6	255	- 9.3	- 2.5	5.5	233	- 4.4	- 3.3	17.1	212	- 9.1	-14.5
262.0	8.5	206	- 3.7	- 7.6	12.4	228	- 9.2	- 8.3	1.3	204	- 0.5	- 1.2
286.0	0.9	224	- 0.6	- 0.6	10.0	93	10.0	- 0.5	9.1	97	9.0	- 1.1
310.0	12.3	96	12.2	1.3	10.9	94	10.9	- 0.8	14.7	67	13.5	5.7
334.0	16.4	90	16.4	0	17.1	97	17.0	- 2.1	19.4	106	18.6	- 5.3
358.0	16.3	97	16.2	2.0	20.0	89	20.0	0.3	14.7	90	14.7	0
382.0	11.8	103	11.5	2.6	6.3	62	5.6	3.0	10.7	53	8.5	6.4
406.0	14.6	33	8.0	12.2	11.0	53	8.8	6.6	11.6	009	1.8	11.4
430.0	9.7	50	7.4	6.2	14.2	36	8.3	11.5	17.1	73	16.3	5.0
454.0	16.0	64	14.4	7.0	14.1	97	14.0	- 1.7	6.3	85	6.3	0.5
478.0	5.9	117	5.2	2.7	6.8	35	3.9	5.6	3.3	91	3.3	- 0.1
502.0	9.0	44	6.3	6.5	8.2	79	8.0	1.6				

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DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 OFFSHORE

NETEP 753/01 AT DEPTH 111 METERS.

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
22.0	2.3	5	.2	2.3	.7	46	.6	.6	2.6	335	-1.1	2.3
46.0	2.8	260	-2.8	-.5	5.7	300	-4.0	2.8	9.0	304	-7.5	5.0
70.0	16.1	330	-9.0	13.9	17.4	340	-6.0	16.4	20.6	348	-4.3	20.2
94.0	13.6	345	-3.4	13.2	17.6	342	-5.4	16.7	14.0	341	-4.5	13.2
118.0	18.9	350	-3.2	18.7	12.6	352	-1.7	12.5	16.9	346	-4.0	16.4
142.0	16.6	333	-7.5	14.9	21.7	336	-8.8	19.9	18.6	335	-7.9	16.9
166.0	20.1	338	-7.5	19.6	17.0	337	-6.6	15.7	19.8	341	-6.0	17.8
190.0	10.2	343	-3.0	9.7	11.8	339	-4.1	11.0	7.2	319	-4.7	5.4
214.0	12.3	325	-7.0	10.1	8.3	330	-4.2	7.1	11.6	332	-5.4	10.3
238.0	7.0	354	-.7	7.0	9.6	336	-3.9	8.8	7.2	18	2.2	6.8
262.0	11.6	22	4.4	10.7	12.8	62	11.3	5.9	6.1	55	4.9	3.5
286.0	4.7	94	4.7	.5	2.2	288	-2.1	.7	1.5	141	.9	-1.2
310.0	5.4	239	-4.6	-2.8	3.3	185	-.3	-3.3	4.3	231	-3.3	-2.7
334.0	2.8	49	2.1	1.9	1.5	147	.8	-1.3	4.7	128	3.8	-2.9
358.0	9.1	183	-.5	-9.1	2.9	220	-1.9	-2.2	2.1	258	-2.0	-.5
382.0	5.3	343	-1.6	5.1	3.3	336	-1.4	3.0	8.5	9	1.3	8.4
406.0	3.5	359	-.0	3.5	7.1	355	-.6	7.0	6.5	359	-.1	6.5
430.0	13.6	358	-.4	13.6	12.9	0	.0	12.9	14.8	353	-1.7	14.7
454.0	19.9	12	2.3	19.7	13.9	16	3.7	13.4	13.3	17	3.9	12.7
478.0	13.1	8	1.8	13.0	10.5	354	-1.1	10.4	9.7	350	-1.5	8.6
502.0	7.0	1	.2	7.0	4.9	15	1.2	4.8	4.5	11	.9	4.4
526.0	4.1	13	.9	4.0	6.3	7	.8	6.2	8.9	4	.6	8.9
550.0	12.9	356	-.9	12.8	16.3	356	-1.3	16.3	16.3	344	-4.5	15.7
574.0	19.7	337	-7.7	18.2	19.5	338	-7.3	18.5	21.9	337	-8.7	20.2
598.0	21.2	341	-6.7	20.1	23.7	340	-8.2	22.2	20.9	345	-5.4	20.2
622.0	21.9	345	-5.8	21.1	17.3	354	-1.9	17.2	18.3	345	-4.6	17.7
646.0	16.4	345	-4.2	15.8	19.4	329	-9.9	16.7	17.4	338	-6.5	16.2
670.0	23.0	330	-11.4	19.9	24.8	342	-7.6	23.7	28.1	338	-10.7	26.0
694.0	25.2	349	-5.0	24.7	20.4	334	-8.8	18.4	16.6	339	-5.9	15.5

DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 OFFSHORE

METER 349/01 AT DEPTH 156 METERS.

PLOT ORIGIN TIME 10/16/71 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
22.0	2.5	109	2.4	-0.9	2.0	156	.8	-1.9	2.1	105	2.0	-0.5
46.0	2.2	98	2.2	-0.3	1.6	91	1.6	-0.0	1.4	359	-0.0	1.4
70.0	8.5	326	-4.3	7.0	8.5	322	-5.3	6.7	12.5	329	-6.4	10.7
94.0	7.7	322	-4.7	6.0	12.7	331	-6.2	11.1	11.1	326	-6.3	9.1
118.0	13.1	334	-5.3	11.7	11.2	321	-7.1	8.7	12.2	324	-7.2	9.9
142.0	13.3	315	-9.3	9.5	12.4	328	-6.5	10.6	10.0	326	-5.6	8.3
166.0	9.9	334	-4.3	8.9	8.0	330	-4.0	6.9	9.6	327	-5.3	8.9
190.0	3.9	287	-3.6	1.1	6.6	282	-6.5	1.4	5.0	242	-4.4	-2.3
214.0	7.5	299	-6.6	3.7	3.4	309	-2.6	2.1	7.9	321	-5.0	6.1
238.0	3.4	353	-0.4	3.4	3.9	334	-1.7	3.5	1.2	213	-0.6	-1.0
262.0	4.8	251	-4.5	-1.5	4.0	194	-0.9	-3.9	6.2	229	-4.7	-4.1
286.0	4.1	189	-0.7	-4.1	5.0	250	-4.7	-1.7	2.2	161	.7	-2.1
310.0	2.4	243	-2.1	-1.1	3.3	137	2.2	-2.4	1.1	246	-1.0	-0.4
334.0	2.3	113	2.1	-0.9	2.0	173	.2	-2.0	4.5	147	2.5	-3.8
358.0	5.4	187	-0.7	-5.4	4.3	229	-3.2	-2.8	4.8	260	-4.7	-0.8
382.0	5.0	309	-3.9	3.2	3.8	309	-3.0	2.4	3.0	4	.2	3.0
406.0	1.2	251	-1.2	-0.4	2.6	346	-0.6	2.5	4.2	303	-3.5	2.3
430.0	5.2	335	-2.2	4.7	4.0	288	-4.6	1.5	4.9	333	-2.3	4.4
454.0	3.1	297	-3.0	.9	5.7	339	-2.0	5.3	3.5	316	-2.4	2.5
478.0	4.9	0	.0	4.9	.4	153	.2	-0.3	1.2	10	.2	1.2
502.0	1.1	180	-0.0	-1.1	2.0	37	1.2	1.6	.3	94	.3	-0.0
526.0	2.7	338	-1.0	2.5	3.5	338	-1.3	3.2	5.3	333	-2.4	4.7
550.0	6.1	337	-2.4	5.6	8.9	325	-5.1	7.3	9.0	317	-6.1	6.6
574.0	12.2	318	-8.1	9.1	13.9	323	-8.3	11.1	16.7	329	-8.6	14.3
598.0	17.9	327	-9.3	14.9	18.4	336	-7.5	16.8	16.3	328	-8.7	13.8
622.0	17.8	332	-8.4	15.7	14.2	310	-10.9	9.1	13.9	324	-8.1	11.3
646.0	8.7	291	-8.1	3.1	9.5	316	-6.6	6.8	8.5	308	-6.6	5.2
670.0	16.1	325	-9.2	13.2	16.7	331	-8.1	14.6	19.5	331	-9.4	17.1
694.0	14.5	341	-4.6	13.7	11.0	329	-6.1	10.2	8.5	332	-4.0	7.4

DATA POINTS FOR PLOT ENTITLED.. 10/16/71 - 11/15/71 OFFSHORE

METER 351/31 AT DEPTH 151 METERS.

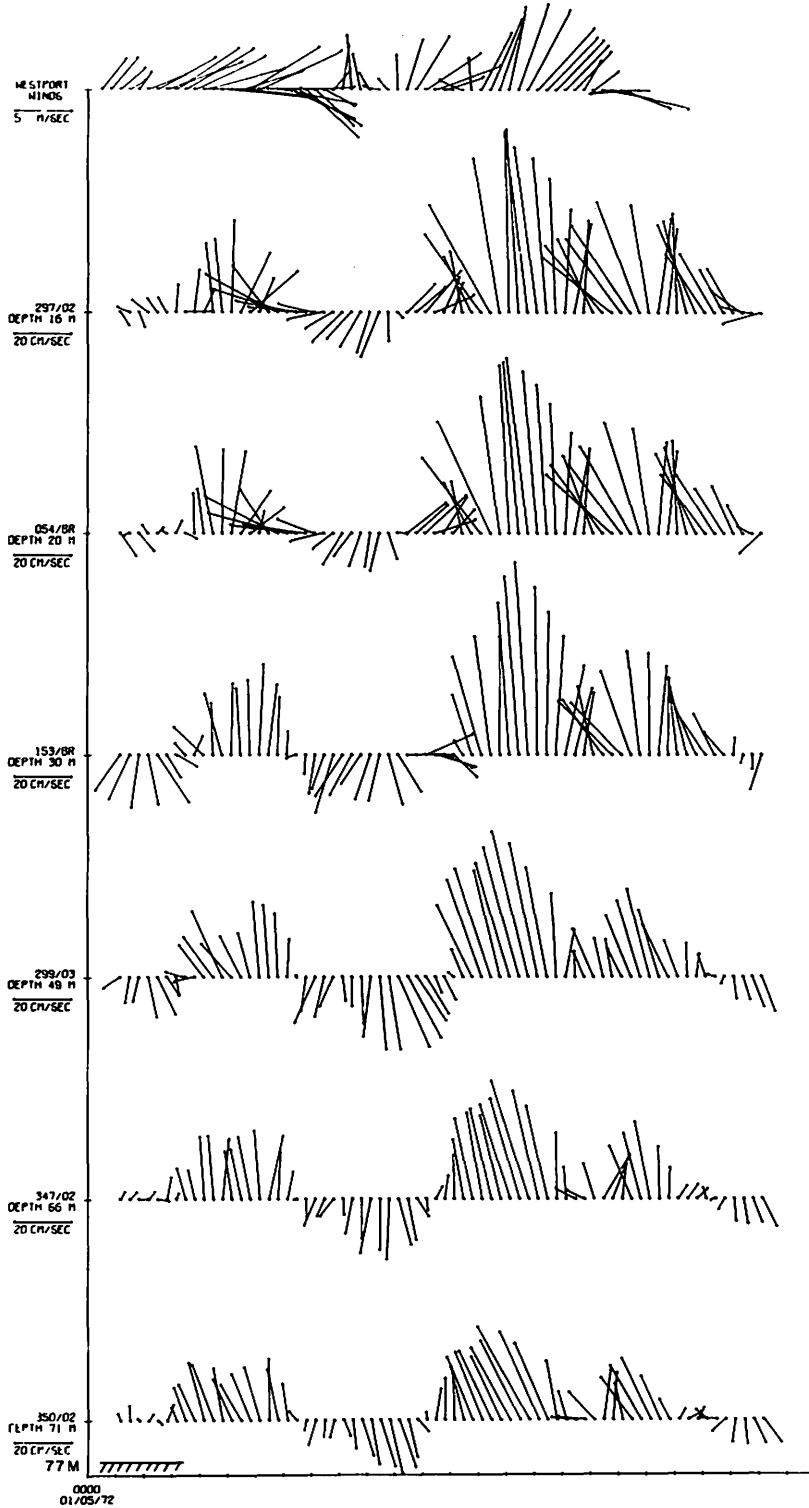
PLOT ORIGIN TIME 10/16/71 1000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
22.0	3.1	128	2.3	-1.9	2.6	153	.8	-2.5	1.7	140	1.1	-1.3
46.0	.3	9F	.8	-.1	.8	314	-.6	.5	3.0	320	-1.3	2.3
70.0	4.5	317	-5.8	6.2	8.1	318	-5.4	6.0	10.7	331	-5.3	9.2
94.0	7.2	326	-4.0	6.0	11.7	333	-5.4	10.4	11.6	327	-5.3	8.9
118.0	12.2	333	-5.5	10.8	10.7	320	-6.9	8.1	11.3	321	-7.2	8.8
142.0	12.1	314	-8.7	8.4	10.8	327	-5.9	9.1	8.6	326	-4.8	7.1
166.0	8.7	335	-3.7	7.9	7.1	331	-3.4	6.2	8.3	331	-4.1	7.3
190.0	2.7	294	-2.5	1.1	5.2	280	-5.1	.9	4.2	229	-3.2	-2.8
214.0	6.2	293	-5.7	2.5	2.6	310	-2.0	1.7	6.8	319	-4.5	5.1
238.0	2.9	2	.1	2.9	2.9	340	-1.0	2.7	.7	213	-.4	-.6
262.0	4.4	252	-4.2	-1.3	4.2	190	-.7	-4.1	5.8	218	-3.5	-4.6
286.0	4.4	179	.0	-4.4	4.0	249	-3.7	-1.4	1.5	173	.2	-1.5
310.0	2.3	247	-2.1	-.9	2.7	142	1.7	-2.1	1.0	228	-1.2	-1.5
334.0	1.3	148	1.0	-1.5	2.6	187	-.3	-2.6	5.0	143	3.0	-4.0
358.0	6.0	173	.7	-5.9	4.2	208	-2.0	-3.7	4.3	255	-4.1	-1.1
382.0	3.9	300	-3.4	2.0	2.7	301	-2.3	1.4	1.6	19	.5	1.5
406.0	.8	249	-.8	-.3	2.2	328	-1.2	1.9	4.5	304	-3.9	2.5
430.0	4.3	327	-2.6	4.0	5.2	301	-4.4	2.6	5.0	336	-2.0	4.6
454.0	3.7	305	-3.1	2.2	4.4	343	-1.3	4.2	2.6	319	-1.7	2.0
478.0	4.0	18	1.2	3.8	.9	124	.7	-.5	1.0	51	.8	.6
502.0	1.3	172	.2	-1.3	2.4	46	1.7	1.6	.7	72	.6	.2
526.0	2.5	338	-.9	2.4	3.3	333	-1.5	3.0	5.2	330	-2.6	4.6
550.0	5.9	335	-2.5	5.3	8.3	322	-5.1	6.6	8.9	314	-6.4	6.2
574.0	11.7	317	-8.0	9.5	13.3	324	-7.4	10.8	15.5	331	-7.5	13.5
598.0	16.6	328	-8.7	14.1	16.9	336	-6.8	15.5	15.8	327	-8.1	12.7
622.0	16.3	332	-7.5	14.4	13.5	311	-10.2	8.8	12.8	325	-7.4	10.5
646.0	8.0	290	-7.5	2.7	8.0	314	-5.7	5.5	7.3	305	-6.0	4.2
670.0	14.0	326	-7.8	11.7	15.0	334	-6.7	13.5	17.5	334	-7.8	15.7
694.0	13.0	343	-3.8	12.4	10.4	330	-5.2	9.0	7.4	332	-3.5	6.5

01/05/72-01/29/72 INSHORE ARRAY
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 8 HOURS



0000
01/05/72

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 INSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
		FROM				FROM				FROM		
12.0	3.5	218	2.1	2.7	3.7	220	2.4	2.9	3.0	229	2.2	2.0
36.0	1.6	238	1.4	.9	2.6	215	1.1	1.6	3.7	248	3.4	1.4
60.0	6.0	241	5.2	2.9	7.2	249	6.8	2.5	6.8	236	5.6	3.8
84.0	7.1	239	6.1	3.7	7.1	245	6.4	3.0	7.5	255	7.3	2.0
108.0	7.9	269	7.9	.2	8.0	276	8.0	-.8	7.1	275	7.0	-.7
132.0	5.9	253	5.6	1.7	7.3	238	6.2	3.9	8.2	245	7.4	3.5
156.0	7.8	268	7.8	.3	7.2	281	7.0	-1.4	6.6	294	6.1	-2.7
180.0	6.7	299	5.9	-3.2	6.4	312	4.8	-4.3	4.8	313	3.5	-3.3
204.0	3.1	299	2.7	-1.5	2.4	220	1.5	1.8	4.0	188	.6	4.0
228.0	4.9	175	-.4	4.9	3.3	167	-.7	3.2	1.8	149	-.9	1.5
252.0	1.5	135	-1.4	.4	1.4	139	-.9	1.0	3.2	178	-.1	3.2
276.0	4.8	197	1.4	4.6	5.7	211	3.0	4.8	6.0	236	4.9	3.4
300.0	6.3	249	5.9	2.3	3.7	251	3.5	1.2	.6	97	-.6	.1
324.0	2.3	115	-2.0	.9	2.9	174	-.3	2.9	5.8	208	2.7	5.2
348.0	7.0	203	2.8	6.4	6.8	198	2.1	6.4	7.7	192	1.5	7.5
372.0	8.2	199	2.7	7.8	8.2	208	3.8	7.3	7.6	222	5.1	5.6
396.0	6.6	223	4.6	4.8	6.2	223	4.3	4.6	5.6	224	3.9	4.1
420.0	4.8	223	3.3	3.5	3.1	209	1.5	2.7	2.9	232	2.3	1.8
444.0	4.5	281	4.4	-.8	7.0	284	6.8	-1.7	4.7	291	4.4	-1.7
468.0	.3	340	.1	-.3	4.4	85	-4.3	-.4	5.3	87	-5.3	-.3

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 INSHORE ARRAY

METER 297/02 AT DEPTH 16 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	5.9	147	3.2	-4.9	4.7	294	-4.3	1.9	5.9	158	2.2	-5.5
52.0	7.3	308	-5.8	4.5	6.2	324	-3.6	5.0	6.1	331	-3.0	5.3
76.0	10.0	4	.7	9.9	9.6	87	9.6	.5	15.3	6	1.7	15.2
100.0	9.1	25	3.8	8.3	25.0	354	-2.5	24.9	26.4	354	-2.6	26.3
124.0	33.1	2	1.0	33.1	23.8	27	10.6	21.3	22.6	49	17.1	14.8
148.0	13.2	23	5.2	12.2	21.3	322	-13.0	16.8	29.5	298	-26.1	13.8
172.0	29.0	288	-27.6	8.9	22.3	281	-21.9	4.3	20.8	276	-20.7	2.1
196.0	13.4	283	-13.1	3.0	13.4	258	-13.1	-2.8	11.5	239	-9.9	-5.9
220.0	15.2	225	-10.8	-10.7	13.0	222	-8.7	-9.6	14.6	210	-7.3	-12.6
244.0	15.2	197	-4.5	-14.5	17.4	202	-6.4	-16.1	10.5	178	.3	-10.5
268.0	2.7	138	1.8	-2.0	14.5	44	10.1	10.3	13.9	49	10.5	9.2
292.0	19.6	40	12.7	15.0	15.4	66	14.0	6.3	13.8	24	5.5	12.7
316.0	11.3	18	3.6	10.7	22.4	348	-4.6	22.0	22.5	333	-10.1	20.1
340.0	34.6	324	-20.3	28.0	44.4	330	-22.0	38.6	56.3	350	-9.4	55.5
364.0	65.0	359	-1.4	65.0	66.1	356	-4.3	65.9	64.2	353	-8.1	63.7
388.0	60.1	352	-8.1	59.5	55.8	355	-4.8	55.6	48.3	357	-2.3	48.3
412.0	37.3	3	2.0	37.2	32.4	11	6.0	31.8	33.1	3	1.7	33.0
436.0	29.3	335	-12.6	26.5	31.6	320	-20.4	24.2	31.6	309	-24.6	19.9
460.0	33.0	324	-19.6	26.6	37.9	326	-21.0	31.4	42.6	339	-15.3	39.8
484.0	39.3	350	-6.5	38.7	34.2	8	4.6	33.9	30.2	6	3.4	30.0
508.0	35.7	357	-1.6	35.7	34.2	346	-8.2	33.2	34.5	337	-13.5	31.7
532.0	25.6	327	-14.0	21.4	24.6	330	-12.4	21.2	17.9	331	-8.6	15.7
556.0	18.5	330	-9.3	16.0	13.7	306	-11.1	8.1	11.8	282	-11.5	2.5
580.0	14.1	254	-13.5	-3.9								

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 INSHORE ARRAY

METER 054/3R AT DEPTH 20 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	10.0	145	5.8	-9.2	2.1	245	-1.9	-0.9	8.4	139	5.5	-6.3
52.0	3.7	325	-2.1	3.0	3.0	44	2.0	2.1	1.7	305	-1.4	1.0
76.0	5.0	26	2.1	4.5	4.6	116	4.1	-2.1	14.4	358	-0.6	14.4
100.0	16.2	352	-2.4	16.0	31.9	349	-6.2	31.3	30.4	1	.4	30.4
124.0	30.0	10	5.2	29.6	18.6	36	10.8	15.1	15.4	53	12.3	9.2
148.0	8.0	13	1.8	7.8	18.8	328	-10.1	15.8	29.3	297	-26.1	13.4
172.0	29.5	285	-28.5	7.4	24.0	277	-23.8	3.1	22.5	278	-22.3	3.3
196.0	14.3	291	-13.4	5.0	12.3	256	-11.9	-2.9	9.1	233	-7.3	-5.5
220.0	13.1	212	-6.9	-11.1	10.4	217	-6.3	-8.3	12.5	199	-4.2	-11.8
244.0	12.2	188	-1.8	-12.0	13.9	193	-3.2	-13.5	9.8	161	3.2	-9.3
268.0	3.4	98	3.4	-0.5	17.7	52	13.9	11.0	15.0	48	11.1	10.0
292.0	20.0	47	14.6	13.6	15.5	71	14.7	4.9	15.1	33	8.2	12.8
316.0	11.4	42	7.7	8.5	19.1	348	-4.0	18.7	20.6	331	-9.9	18.0
340.0	34.4	322	-21.1	27.1	44.4	335	-18.8	40.2	50.0	352	-6.9	49.5
364.0	61.1	357	-3.4	61.0	62.3	355	-5.4	62.1	64.0	353	-7.6	63.6
388.0	59.0	355	-5.1	58.7	54.8	356	-3.4	53.9	46.9	358	-1.9	46.9
412.0	36.5	3	2.2	36.4	31.0	10	5.5	30.5	30.6	4	2.0	30.5
436.0	30.0	339	-10.7	29.1	30.7	323	-18.4	24.6	31.5	312	-23.3	21.2
460.0	31.0	323	-18.5	24.8	36.3	330	-18.0	31.5	41.9	342	-12.6	40.0
484.0	38.3	351	-5.8	37.9	33.2	5	3.0	33.1	29.7	6	3.3	29.5
508.0	33.5	357	-1.7	33.5	32.1	346	-7.8	31.1	32.0	334	-14.2	28.7
532.0	26.4	324	-15.7	21.3	24.9	327	-13.5	21.0	19.1	327	-10.3	16.1
556.0	18.7	336	-7.7	17.0	11.6	332	-5.6	10.2	5.7	298	-5.0	2.7
580.0	10.4	227	-7.6	-7.1								

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DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 INSHORE ARRAY

METER 153/BR AT DEPTH 30 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	15.7	214	-8.9	-12.9	17.6	205	-7.3	-16.1	19.3	188	-2.7	-19.1
52.0	18.4	168	3.7	-18.0	20.5	147	11.3	-17.1	9.6	148	5.1	-8.2
76.0	8.7	120	7.6	-4.3	5.5	321	-3.5	4.2	7.5	24	3.0	6.8
100.0	14.6	314	-10.6	10.0	18.8	358	-.6	18.8	23.1	344	-6.3	22.2
124.0	26.0	1	.5	26.0	24.2	356	-1.6	24.1	27.3	358	-.8	27.3
148.0	32.8	3	1.6	32.7	25.7	7	3.1	25.5	20.8	2	.7	20.8
172.0	8.5	3	.4	8.5	3.7	249	-3.4	-1.3	7.0	184	-.5	-7.0
196.0	14.2	189	-2.1	-14.0	13.0	200	-4.3	-12.2	21.9	197	-6.3	-20.9
220.0	17.8	213	-9.8	-14.9	16.7	208	-7.9	-14.7	12.9	213	-7.1	-10.7
244.0	17.0	198	-5.3	-16.2	17.1	193	-3.8	-16.7	18.7	164	5.1	-18.0
268.0	15.8	148	8.4	-13.4	16.8	92	16.8	-.5	12.1	91	12.1	-.2
292.0	18.7	66	17.1	7.6	15.2	107	14.5	-4.4	11.1	115	10.0	-4.7
316.0	11.7	134	8.4	-8.1	5.9	330	-2.9	5.1	22.9	342	-7.1	21.8
340.0	36.9	344	-10.2	35.5	43.2	353	-5.6	42.8	42.9	360	-.1	42.9
364.0	55.2	356	-4.1	55.0	64.5	356	-5.0	64.4	69.8	356	-4.6	69.6
388.0	60.6	359	-.8	60.6	51.7	1	.7	51.7	43.1	4	2.7	43.0
412.0	33.0	12	6.7	32.3	25.0	14	6.2	24.2	22.8	9	3.5	22.6
436.0	25.6	347	-5.6	25.0	24.6	325	-14.3	20.1	27.4	316	-19.1	19.6
460.0	26.1	317	-17.9	19.0	32.1	340	-10.7	30.2	37.9	353	-4.5	37.6
484.0	37.0	360	-.3	37.0	32.3	5	2.8	32.2	27.8	1	.3	27.8
508.0	28.2	353	-3.4	28.0	25.4	346	-6.0	24.7	21.4	337	-8.5	19.7
532.0	18.5	327	-10.1	15.4	16.6	333	-7.5	14.8	10.8	319	-7.0	8.2
556.0	6.3	5	.5	6.3	3.1	195	-.8	-3.0	5.3	179	.1	-5.3
580.0	13.3	197	-4.0	-12.7								

DATA POINTS FOR PLOT ENTITLED.. J1/J5/72 - 01/29/72 INSHORE ARRAY

METER 299/03 AT DEPTH 49 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	7.2	235	-5.9	-4.1	9.6	190	-1.6	-9.4	9.1	193	-2.1	-8.8
52.0	14.9	168	3.1	-14.5	14.9	154	6.5	-13.4	8.2	146	4.5	-6.8
76.0	6.2	171	1.0	-6.1	7.2	286	-6.9	2.0	7.5	257	-7.3	-1.7
100.0	14.7	323	-8.9	11.7	18.2	324	-10.7	14.7	26.2	335	-11.0	23.8
124.0	16.4	318	-10.9	12.2	16.8	333	-7.5	15.0	16.8	345	-4.5	16.2
148.0	27.4	355	-2.4	27.3	26.2	356	-2.0	26.1	23.2	357	-1.2	23.2
172.0	13.9	3	.7	13.9	.8	354	-.1	.8	12.5	188	-1.8	-12.4
196.0	18.1	204	-7.4	-16.5	14.7	193	-3.3	-14.3	11.7	205	-4.9	-10.6
220.0	8.8	172	1.2	-8.7	10.7	179	.1	-10.7	16.9	177	.8	-16.9
244.0	21.9	187	-2.5	-21.6	26.4	175	2.3	-26.3	26.6	171	4.2	-26.3
268.0	27.7	156	11.2	-25.3	25.2	151	12.1	-22.2	19.1	147	10.5	-15.9
292.0	15.8	148	8.3	-13.4	6.4	157	2.5	-5.9	9.4	154	4.1	-8.4
316.0	2.4	312	-1.8	1.6	10.9	338	-4.1	10.1	28.9	334	-12.6	25.0
340.0	37.2	341	-12.3	35.1	41.1	342	-12.8	39.0	39.6	346	-9.3	38.5
364.0	42.7	344	-12.1	41.0	48.3	345	-12.7	46.7	53.8	346	-12.9	52.2
388.0	49.0	348	-10.0	47.9	40.1	349	-7.4	39.4	30.3	357	-1.7	30.2
412.0	17.4	10	3.0	17.1	9.5	358	-.3	9.5	9.9	337	-3.8	9.1
436.0	19.1	337	-7.5	17.6	14.4	347	-3.1	14.1	13.8	350	-2.4	13.6
460.0	11.0	334	-4.8	9.9	24.0	338	-8.9	22.3	28.8	343	-8.3	27.6
484.0	32.8	346	-8.0	31.8	25.4	343	-7.3	24.3	20.9	334	-9.1	18.8
508.0	14.0	340	-4.8	13.2	12.3	359	-.3	12.3	8.4	7	1.0	8.3
532.0	8.4	342	-2.6	7.9	2.7	289	-2.6	.9	3.0	204	-1.2	-2.7
556.0	8.1	173	1.1	-8.1	8.7	163	2.6	-8.3	11.7	159	4.2	-10.9
580.0	13.5	159	4.8	-12.6								

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DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 INSHORE ARRAY

METER 347/02 AT DEPTH 66 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	3.0	29	1.5	2.6	3.5	43	2.4	2.6	3.8	85	3.8	.3
52.0	3.7	39	2.3	2.9	4.1	100	4.1	-.7	8.2	10	1.5	8.1
76.0	2.3	22	.8	2.1	11.6	344	-3.2	11.2	10.9	347	-2.5	10.6
100.0	22.7	356	-1.7	22.6	23.1	355	-2.0	23.0	21.9	6	2.2	21.8
124.0	17.5	351	-2.7	17.3	18.5	348	-3.9	18.1	23.1	348	-4.6	22.6
148.0	24.8	355	-2.1	24.7	23.3	12	4.9	22.7	16.8	2	.7	16.8
172.0	10.1	11	1.9	9.9	1.1	261	-1.1	-.2	6.4	177	.3	-6.4
196.0	10.2	203	-4.0	-9.3	6.7	205	-2.8	-6.1	7.8	219	-4.9	-6.1
220.0	5.8	176	.4	-5.8	12.8	191	-2.4	-12.6	14.3	180	.1	-14.3
244.0	20.0	191	-3.8	-19.6	18.4	180	-.0	-18.4	21.8	182	-.9	-21.8
268.0	17.2	165	4.6	-16.6	15.2	168	3.1	-14.9	7.6	147	4.1	-6.4
292.0	4.3	173	.6	-4.2	5.0	29	2.4	4.4	8.4	8	1.2	8.3
316.0	15.9	359	-.3	15.9	21.8	350	-3.9	21.5	29.7	348	-6.4	29.0
340.0	31.7	350	-5.5	31.2	33.4	347	-7.6	32.6	31.0	346	-7.3	30.2
364.0	35.8	342	-10.8	34.1	37.7	344	-10.4	36.2	44.6	343	-13.4	42.5
388.0	40.0	347	-9.0	38.9	34.3	347	-7.6	33.5	23.8	359	-.4	23.8
412.0	11.5	356	-.9	11.5	8.0	299	-7.0	3.8	7.2	297	-6.4	3.2
436.0	13.2	343	-3.9	12.6	18.3	30	9.2	15.8	16.9	20	5.8	15.9
460.0	12.6	6	1.4	12.5	20.6	337	-7.9	19.0	24.5	345	-6.3	23.6
484.0	28.2	349	-5.4	27.7	18.9	358	-.6	18.8	11.2	2	.4	11.2
508.0	5.5	34	3.1	4.6	6.2	35	3.6	5.1	5.1	47	3.7	3.5
532.0	4.0	343	-1.2	3.9	1.8	249	-1.7	-.6	4.6	211	-2.4	-3.9
556.0	8.3	176	.6	-8.3	9.1	170	1.5	-9.0	9.3	159	3.3	-8.7
580.0	11.4	153	5.1	-10.1								

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 INSHOPE ARRAY

METER 350/02 AT DEPTH 71 METERS.

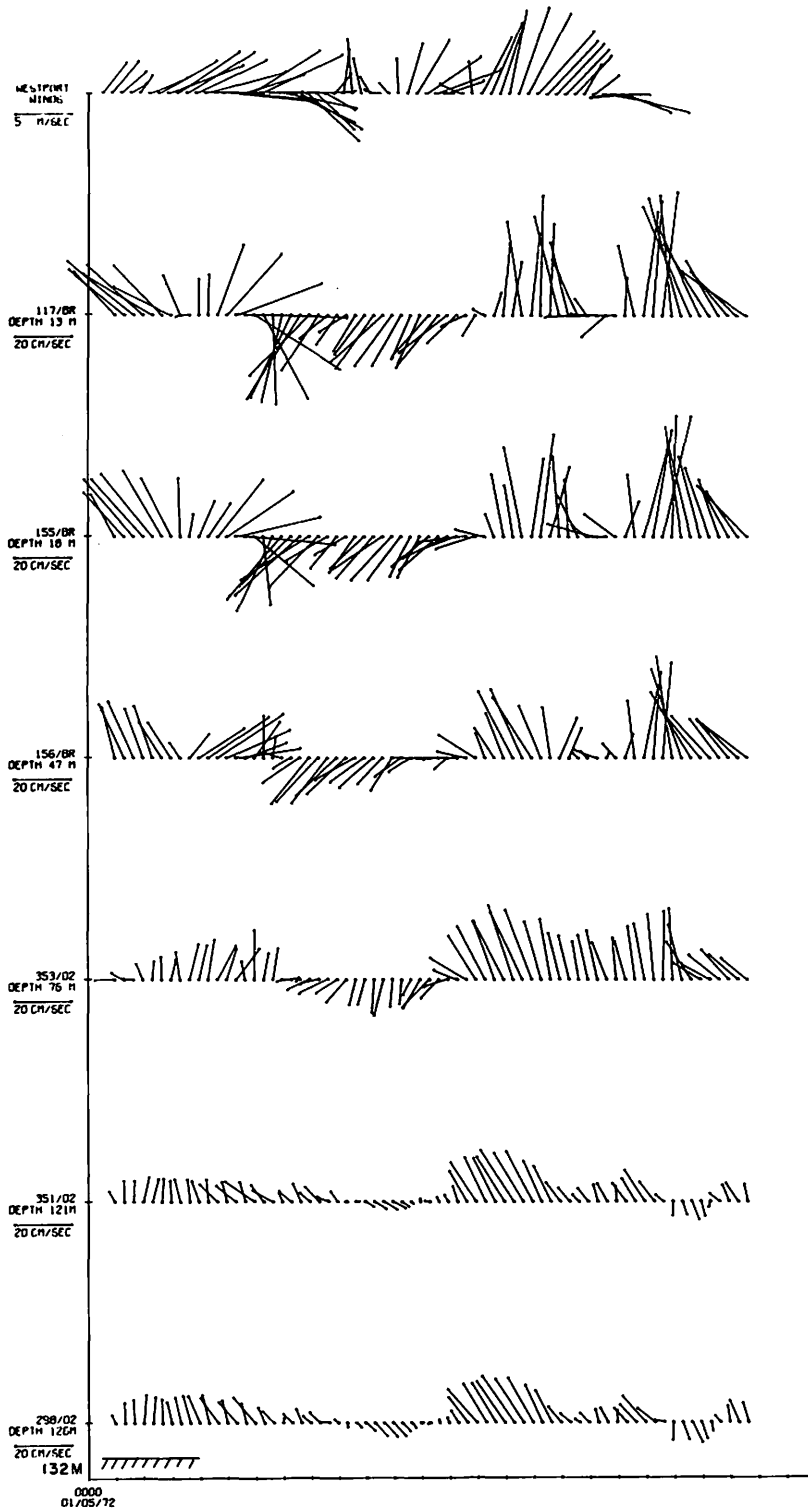
PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	2.7	339	-1.0	2.5	5.4	357	-.3	5.4	.9	322	-.5	.7
52.0	2.7	35	1.5	2.2	2.1	135	1.5	-1.5	6.2	20	2.1	5.8
76.0	5.1	339	-1.9	4.8	12.4	340	-4.2	11.6	14.1	335	-5.9	12.8
100.0	21.5	345	-5.7	20.7	21.4	339	-7.7	20.0	19.2	349	-3.5	18.9
124.0	16.3	335	-7.0	14.7	14.8	329	-7.5	12.8	18.1	337	-6.9	16.7
148.0	19.9	343	-5.7	19.1	22.1	359	-.3	22.1	18.7	347	-4.1	18.3
172.0	13.2	351	-2.0	13.1	4.2	317	-2.9	3.1	3.9	192	-.8	-3.8
196.0	9.6	196	-2.7	-9.2	6.2	185	-.5	-6.2	6.6	194	-1.6	-6.4
220.0	6.5	158	2.4	-6.0	10.7	174	1.2	-10.7	13.8	163	4.1	-13.2
244.0	16.6	170	2.9	-16.3	17.9	163	5.3	-17.1	20.2	167	4.6	-19.6
268.0	18.3	161	6.0	-17.3	14.0	166	3.3	-13.6	6.0	139	3.9	-4.5
292.0	2.7	354	-.3	2.6	11.1	9	1.8	10.9	14.8	0	.0	14.8
316.0	16.7	358	-.5	16.7	19.7	346	-4.7	19.2	24.4	338	-9.3	22.6
340.0	26.2	338	-9.8	24.3	27.4	335	-11.7	24.8	25.0	335	-10.6	22.7
364.0	29.6	332	-14.0	26.0	31.8	334	-14.0	28.5	38.5	331	-18.5	33.7
388.0	34.8	337	-13.8	31.9	30.0	337	-11.8	27.6	21.4	350	-3.9	21.1
412.0	10.4	344	-2.9	10.0	8.6	275	-8.6	.8	9.5	276	-9.5	.9
436.0	13.4	317	-9.1	9.9	17.9	8	2.5	17.7	16.8	5	1.4	16.7
460.0	13.0	348	-2.7	12.7	18.6	324	-11.0	14.9	22.2	330	-11.0	19.3
484.0	24.2	335	-10.2	21.9	16.8	337	-6.7	15.5	8.1	333	-3.7	7.2
508.0	4.1	30	2.0	3.6	5.0	60	4.4	2.5	4.6	28	2.2	4.0
532.0	5.3	310	-4.0	3.4	5.6	274	-5.6	.4	6.6	227	-4.9	-4.5
556.0	8.6	188	-1.2	-8.6	9.1	174	.9	-9.0	9.8	156	4.0	-8.9
580.0	10.7	144	6.4	-8.6								

01/05/72-01/29/72 OFFSHORE ARRAY
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 8 HOURS



DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 OFFSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	3.5	218	2.1	2.7	3.7	220	2.4	2.9	3.0	229	2.2	2.0
36.0	1.6	238	1.4	.9	2.0	215	1.1	1.6	3.7	248	3.4	1.4
60.0	6.0	241	5.2	2.9	7.2	249	6.8	2.5	6.8	236	5.6	3.8
84.0	7.1	239	6.1	3.7	7.1	245	6.4	3.0	7.5	255	7.3	2.0
108.0	7.9	269	7.9	.2	8.0	276	8.0	-.8	7.1	275	7.0	-.7
132.0	5.9	253	5.6	1.7	7.3	238	6.2	3.9	8.2	245	7.4	3.5
156.0	7.8	268	7.8	.3	7.2	281	7.0	-1.4	6.6	294	6.1	-2.7
180.0	6.7	299	5.9	-3.2	6.4	312	4.8	-4.3	4.8	313	3.5	-3.3
204.0	3.1	299	2.7	-1.5	2.4	220	1.5	1.8	4.0	188	.6	4.0
228.0	4.9	175	-.4	4.9	3.3	167	-.7	3.2	1.8	149	-.9	1.5
252.0	1.5	105	-1.4	.4	1.4	139	-.9	1.0	3.2	178	-.1	3.2
276.0	4.8	197	1.4	4.6	5.7	211	3.0	4.8	6.0	236	4.9	3.4
300.0	6.3	249	5.9	2.3	3.7	251	3.5	1.2	.6	97	-.6	.1
324.0	2.3	115	-2.0	.9	2.9	174	-.3	2.9	5.8	208	2.7	5.2
348.0	7.0	203	2.8	6.4	6.0	198	2.1	6.4	7.7	192	1.5	7.5
372.0	8.2	199	2.7	7.8	8.2	208	3.8	7.3	7.6	222	5.1	5.6
396.0	6.6	223	4.6	4.8	6.2	223	4.3	4.6	5.6	224	3.9	4.1
420.0	4.8	223	3.3	3.5	3.1	209	1.5	2.7	2.9	232	2.3	1.8
444.0	4.5	281	4.4	-.8	7.0	284	6.8	-1.7	4.7	291	4.4	-1.7
468.0	.3	340	.1	-.3	4.4	85	-4.3	-.4	5.3	87	-5.3	-.3

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 OFFSHORE ARRAY

METER 117/BR AT DEPTH 13 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	21.4	317	-14.6	15.6	25.6	309	-19.8	16.2	30.5	309	-23.7	19.2
47.0	26.9	312	-20.0	17.9	28.8	301	-24.7	14.8	24.7	316	-17.2	17.8
71.0	22.8	296	-20.4	10.2	15.6	337	-6.1	14.4	5.1	263	-5.0	-0.6
95.0	13.0	0	.0	13.0	14.6	2	.5	14.6	27.0	21	9.6	25.3
119.0	29.7	42	20.0	22.0	33.2	70	31.1	11.5	36.9	92	36.8	-1.0
143.0	36.7	122	31.0	-19.7	34.3	152	16.1	-30.3	32.3	178	1.2	-32.3
167.0	32.2	193	-7.4	-31.4	33.3	206	-14.6	-29.9	35.9	212	-19.2	-30.3
191.0	30.7	225	-21.5	-21.9	24.1	214	-13.4	-20.0	13.3	231	-10.3	-8.5
215.0	13.1	215	-7.6	-10.7	11.6	238	-9.8	-6.1	15.3	212	-8.1	-13.0
239.0	17.9	218	-11.0	-14.2	23.8	216	-13.8	-19.4	25.5	228	-19.0	-17.0
263.0	22.9	217	-13.7	-18.4	21.3	210	-10.8	-18.4	17.3	204	-7.0	-15.8
287.0	19.1	205	-8.0	-17.4	20.0	222	-13.4	-14.8	24.4	219	-15.4	-18.9
311.0	22.0	232	-17.5	-13.4	14.6	227	-10.6	-10.0	9.8	246	-8.9	-4.0
335.0	8.8	212	-4.7	-7.4	4.7	299	-4.1	2.3	8.8	18	2.8	8.3
359.0	26.1	5	2.4	26.0	19.7	9	3.2	19.4	34.2	351	-5.2	33.8
383.0	29.6	6	3.1	29.5	43.2	1	.9	43.2	33.0	3	1.5	33.0
407.0	36.7	346	-8.8	35.6	27.2	346	-6.5	26.4	22.2	336	-9.1	20.2
431.0	7.6	325	-4.3	6.2	18.4	268	-18.3	-.7	11.5	229	-8.6	-7.6
455.0	15.7	273	-15.7	.8	13.7	4	1.0	13.7	25.7	348	-5.4	25.2
479.0	37.9	8	5.2	37.6	41.5	5	3.3	41.4	45.0	7	5.4	44.6
503.0	43.7	355	-4.1	43.5	43.8	345	-11.4	42.3	42.6	337	-16.8	39.2
527.0	36.8	336	-15.2	33.5	30.3	328	-16.0	25.8	22.9	330	-11.4	19.9
551.0	20.8	321	-13.1	16.1	21.4	314	-15.5	14.8	28.1	305	-23.0	16.2

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 OFFSHORE ARRAY

METER 155/32 AT DPTH 18 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	17.6	331	-8.5	15.4	21.5	318	-14.3	16.0	27.1	320	-17.5	20.7
47.0	27.6	319	-18.1	20.8	29.0	321	-18.1	22.7	27.6	330	-13.7	23.9
71.0	23.7	333	-10.6	21.2	21.3	358	-.7	21.3	8.4	10	1.5	8.3
95.0	14.2	24	5.7	13.0	14.6	34	8.1	12.1	26.5	39	16.6	20.7
119.0	29.2	56	24.2	16.4	31.3	77	30.5	7.1	32.8	95	32.6	-3.0
143.0	27.7	130	21.3	-17.8	24.8	174	2.6	-24.7	29.7	205	-12.8	-26.8
167.0	30.1	221	-19.7	-22.7	30.8	226	-22.1	-21.5	31.6	228	-23.4	-21.2
191.0	29.2	238	-24.6	-15.6	25.5	224	-17.8	-18.2	17.4	239	-15.0	-8.9
215.0	15.1	219	-9.6	-11.6	13.1	239	-11.3	-6.8	14.1	216	-8.3	-11.4
239.0	16.9	227	-12.4	-11.5	20.2	222	-13.5	-15.0	23.3	236	-19.4	-12.9
263.0	21.7	223	-14.9	-15.8	19.9	218	-12.2	-15.8	16.4	207	-7.6	-14.5
287.0	17.0	208	-8.1	-14.9	17.3	231	-13.4	-10.9	18.5	229	-14.0	-12.2
311.0	18.0	244	-16.1	-8.0	13.7	249	-12.8	-4.8	17.1	264	-17.0	-1.9
335.0	14.7	252	-14.0	-4.5	10.6	285	-10.3	2.7	8.9	341	-2.9	8.4
359.0	23.2	349	-4.2	22.8	19.0	351	-3.0	18.8	33.1	349	-6.3	32.4
383.0	28.7	9	4.5	28.3	37.3	7	4.7	37.0	26.3	15	7.0	25.3
407.0	29.2	356	-2.3	29.1	20.8	356	-1.4	20.7	16.6	334	-7.3	15.0
431.0	5.4	309	-4.9	4.0	18.0	285	-17.4	4.7	7.0	272	-7.0	.2
455.0	13.7	308	-10.8	8.4	13.9	21	5.0	12.9	22.7	354	-2.3	22.6
479.0	32.9	15	8.5	31.8	39.1	10	6.6	38.6	44.7	13	10.1	43.5
503.0	43.8	2	1.5	43.8	40.1	352	-5.6	39.7	35.6	347	-8.1	34.7
527.0	30.2	346	-7.5	29.3	26.6	341	-8.5	25.2	22.1	341	-7.0	20.9
551.0	19.8	333	-9.1	17.5	19.9	327	-10.9	16.6	25.5	317	-17.5	18.7

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 OFFSHORE ARRAY

METER 156/BR AT DEPTH 47 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	19.1	347	-4.4	18.6	21.6	336	-8.7	19.7	22.5	337	-8.8	20.7
47.0	19.2	341	-6.3	18.2	20.2	342	-6.3	19.2	15.3	329	-8.0	13.0
71.0	15.4	328	-8.1	13.2	6.7	326	-3.7	5.6	11.4	39	7.2	8.8
95.0	19.8	57	16.6	10.8	26.8	56	22.1	15.1	28.9	56	23.9	16.2
119.0	25.2	66	23.0	10.3	23.6	82	23.3	3.4	16.0	70	15.0	5.6
143.0	16.2	35	9.4	13.2	15.5	1	.2	15.5	8.0	9	1.2	7.9
167.0	6.7	289	-6.3	2.1	7.5	240	-6.4	-3.8	16.1	236	-13.3	-9.0
191.0	21.5	219	-13.7	-16.6	21.9	224	-15.1	-15.9	20.8	219	-13.0	-16.3
215.0	20.2	227	-14.9	-13.7	19.1	227	-14.1	-12.9	16.4	241	-14.3	-7.9
239.0	15.1	235	-12.3	-8.7	16.4	229	-12.4	-10.7	13.1	224	-9.1	-9.4
263.0	14.1	213	-7.7	-11.8	11.7	234	-9.4	-6.8	9.2	237	-7.7	-5.1
287.0	10.2	271	-10.2	.2	2.0	253	-1.9	-.6	7.7	270	-7.7	-.0
311.0	6.1	229	-4.6	-4.0	14.6	271	-14.6	.2	10.6	283	-10.3	2.5
335.0	15.6	303	-13.1	8.5	9.7	341	-3.2	9.1	13.0	328	-6.9	11.0
359.0	17.6	340	-6.1	16.5	27.3	334	-12.1	24.5	27.5	336	-11.0	25.2
383.0	26.1	329	-13.5	22.3	20.7	338	-7.6	19.2	18.9	352	-2.6	18.8
407.0	16.1	23	6.3	14.8	12.0	23	4.6	11.1	2.6	316	-1.8	1.9
431.0	3.2	316	-2.3	2.3	8.4	292	-7.8	3.1	2.0	29	1.0	1.7
455.0	6.9	319	-4.5	5.3	9.2	19	2.9	8.7	21.2	354	-2.3	21.1
479.0	27.3	11	5.3	26.8	31.6	5	2.8	31.4	35.1	5	3.2	34.9
503.0	37.6	352	-5.5	37.2	34.2	342	-10.6	32.5	28.0	330	-14.0	24.2
527.0	22.3	322	-13.6	17.7	20.5	319	-13.3	15.5	17.6	325	-10.1	14.4
551.0	17.3	322	-10.6	13.7	17.3	315	-12.2	12.3	22.8	309	-17.7	14.3

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 OFFSHORE ARPAY

METER 353/02 AT DEPTH 76 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	7.0	268	-7.0	-.2	5.1	299	-4.4	2.5	3.5	275	-3.5	.3
47.0	6.2	339	-2.3	5.8	6.6	6	.7	6.6	8.4	359	-.1	8.4
71.0	7.4	14	1.8	7.2	10.2	352	-1.5	10.1	13.3	14	3.2	12.9
95.0	12.8	14	3.1	12.5	14.6	9	2.4	14.4	14.0	29	6.7	12.3
119.0	11.7	19	3.7	11.1	14.2	37	8.6	11.3	6.9	350	-1.2	6.8
143.0	18.0	0	.1	18.0	9.8	11	1.9	9.6	11.5	10	1.9	11.3
167.0	6.2	82	6.1	.8	5.1	263	-5.0	-.6	1.6	250	-1.5	-.5
191.0	8.8	245	-8.0	-3.7	6.7	257	-6.5	-1.5	11.6	244	-10.4	-5.0
215.0	9.2	237	-7.7	-4.9	11.0	222	-7.3	-8.2	9.5	194	-2.4	-9.2
239.0	9.6	196	-2.7	-9.2	12.2	184	-.9	-12.1	13.5	195	-3.5	-13.1
263.0	10.0	186	-1.0	-9.9	8.9	185	-.8	-8.9	6.3	207	-2.9	-5.6
287.0	12.2	211	-6.2	-10.5	14.0	225	-9.9	-10.0	9.2	224	-6.4	-6.6
311.0	8.8	253	-8.4	-2.6	9.0	293	-8.3	3.5	15.2	301	-13.0	7.9
335.0	18.5	329	-9.6	15.8	21.7	333	-9.8	19.3	22.8	341	-7.6	21.5
359.0	23.8	334	-10.5	21.3	28.4	342	-8.6	27.1	27.0	335	-11.3	24.5
383.0	27.0	340	-9.2	25.4	21.9	345	-5.8	21.1	22.2	351	-3.6	21.9
407.0	17.4	347	-4.0	16.9	16.3	347	-3.7	15.9	14.1	351	-2.2	13.9
431.0	16.5	348	-3.5	16.2	18.2	348	-3.7	17.8	14.3	339	-5.1	13.4
455.0	15.2	356	-1.2	15.1	14.3	345	-3.7	13.8	19.4	353	-2.4	19.3
479.0	20.5	350	-3.5	20.2	23.9	355	-2.0	23.8	24.8	1	.5	24.8
503.0	25.9	358	-1.0	25.9	20.5	347	-4.6	20.0	16.2	328	-8.7	13.7
527.0	11.5	302	-9.8	6.2	11.6	300	-10.1	5.8	13.9	309	-10.7	8.8
551.0	14.4	318	-9.6	10.8	13.5	312	-10.1	9.0	12.0	310	-9.2	7.7

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DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 OFFSHORE ARRAY

METER 351/02 AT DEPTH 121 METERS.

PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	4.4	331	-2.1	3.8	7.7	359	-.2	7.7	7.7	2	.3	7.7
47.0	9.2	13	2.1	9.0	8.5	15	2.2	8.2	8.5	4	.6	8.5
71.0	7.7	357	-.4	7.7	8.5	346	-2.1	8.3	8.2	354	-.9	8.2
95.0	3.0	341	-2.6	7.5	8.2	355	-.7	3.2	9.0	315	-6.4	6.3
119.0	7.4	346	-1.8	7.2	9.2	309	-7.1	5.8	7.4	344	-2.1	7.1
143.0	12.3	305	-10.5	7.3	7.7	323	-4.5	6.1	8.5	300	-7.4	4.2
167.0	3.3	339	-1.2	3.1	6.9	311	-4.6	3.9	7.0	336	-2.8	6.5
191.0	4.9	312	-3.6	3.3	7.4	316	-5.2	5.4	4.5	293	-4.2	1.8
215.0	4.5	326	-2.5	3.7	.6	279	-.6	.1	1.3	95	1.2	.1
239.0	3.5	121	3.0	-1.3	4.9	122	4.1	-2.6	5.6	121	4.8	-2.9
263.0	5.2	118	4.5	-2.4	3.0	125	2.5	-1.7	1.1	137	.7	-.8
287.0	1.1	351	-.2	1.1	1.9	280	-1.8	.3	1.8	336	-.8	1.7
311.0	2.7	330	-1.4	2.4	5.9	343	-1.7	5.6	12.5	330	-6.2	10.9
335.0	16.8	327	-9.1	14.1	17.5	335	-7.3	15.9	17.6	334	-7.7	15.8
359.0	19.0	329	-9.9	16.2	22.0	328	-11.3	18.6	20.3	329	-10.4	17.5
383.0	20.3	333	-9.3	18.0	15.3	336	-6.3	14.5	14.0	334	-6.1	12.6
407.0	8.4	324	-5.0	6.8	6.3	321	-4.0	4.9	3.4	318	-2.3	2.5
431.0	6.2	322	-3.8	4.9	6.2	345	-1.6	6.8	7.4	331	-3.6	6.5
455.0	5.5	356	-.4	5.4	8.0	324	-4.8	6.5	9.5	330	-4.7	8.2
479.0	13.2	328	-7.1	11.2	8.6	323	-5.2	6.9	3.7	312	-2.8	2.5
503.0	5.1	182	-.2	-5.1	5.1	162	1.5	-4.9	7.0	159	2.5	-6.6
527.0	5.4	166	1.3	-5.3	2.3	138	-.7	-2.1	4.5	338	-3.5	2.8
551.0	6.3	338	-2.4	5.9	8.1	327	-4.4	6.7	6.4	349	-1.2	6.3

DATA POINTS FOR PLOT ENTITLED.. 01/05/72 - 01/29/72 OFFSHORE ARRAY

METER 298/02 AT DEPTH 125 METERS.

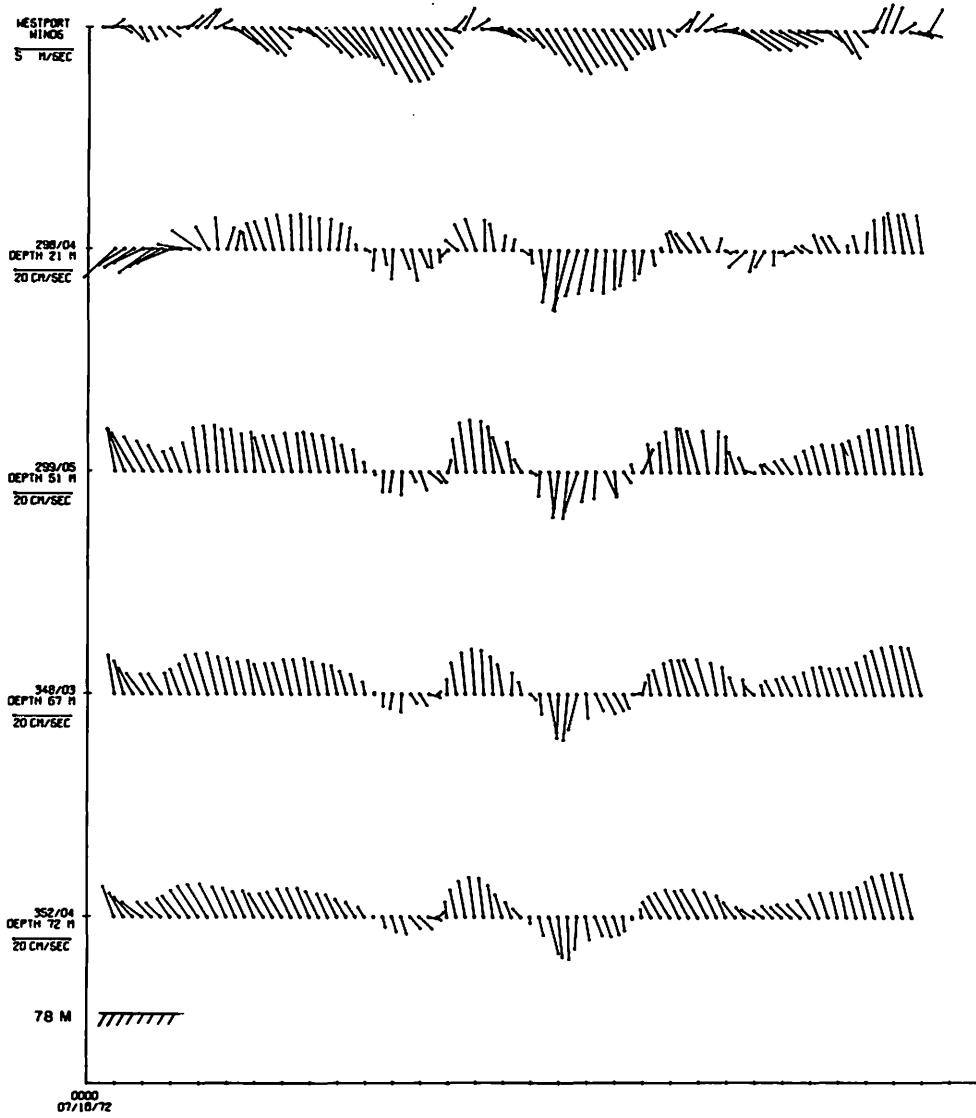
PLOT ORIGIN TIME 01/05/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	3.3	335	-1.4	3.0	7.2	358	-.2	7.2	8.3	358	-.3	9.3
47.0	10.1	5	.9	10.1	9.3	5	.9	9.3	8.6	359	-.2	8.6
71.0	7.7	347	-1.7	7.5	9.6	347	-2.2	9.3	10.2	345	-2.7	9.8
95.0	10.5	337	-4.1	9.7	10.4	347	-2.4	10.1	11.0	324	-6.4	8.9
119.0	8.3	346	-2.0	8.0	9.9	319	-6.5	7.4	7.4	346	-1.8	7.2
143.0	12.1	319	-7.9	9.2	5.9	337	-2.4	5.5	5.8	316	-4.1	4.2
167.0	1.6	11	.3	1.6	4.5	314	-3.2	3.1	5.2	338	-2.0	4.8
191.0	3.6	310	-2.8	2.3	5.2	314	-3.8	3.6	3.1	273	-3.1	.2
215.0	1.9	311	-1.4	1.2	1.8	175	.2	-1.8	2.4	136	1.7	-1.7
239.0	4.5	132	3.3	-3.0	6.6	138	4.4	-4.9	7.1	137	4.8	-5.2
263.0	6.7	137	4.6	-5.0	4.2	137	2.9	-3.1	2.4	142	1.5	-1.9
287.0	.7	91	.7	-.0	1.0	250	-.9	-.3	1.1	347	-.2	1.0
311.0	1.9	340	-.7	1.8	4.9	328	-2.6	4.2	11.3	323	-6.8	9.0
335.0	15.7	319	-10.3	11.9	16.0	329	-8.1	13.8	16.3	329	-8.4	14.0
359.0	17.8	326	-9.9	14.8	20.2	326	-11.3	16.7	18.5	328	-9.9	15.6
383.0	18.3	331	-8.8	16.0	14.6	336	-6.0	13.3	12.6	333	-5.7	11.2
407.0	7.1	321	-4.5	5.4	4.6	311	-3.5	3.0	2.0	306	-1.7	1.2
431.0	4.6	315	-3.2	3.3	4.7	346	-1.1	4.6	5.8	332	-2.7	5.1
455.0	4.2	359	-.0	4.2	6.7	318	-4.5	5.0	8.4	318	-5.7	6.2
479.0	12.3	319	-8.1	9.3	7.9	309	-6.2	4.9	3.5	279	-3.4	.6
503.0	6.6	183	-.3	-6.6	6.8	161	2.3	-6.5	8.2	154	3.6	-7.4
527.0	6.4	161	2.0	-6.1	3.5	170	.6	-3.4	3.0	319	-2.0	2.2
551.0	5.8	352	-.8	5.7	8.4	337	-3.3	7.8	7.2	344	-2.0	6.9

JULY-AUGUST 1972 INSHORE
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 8 HOURS



DATA POINTS FOR PLOT ENTITLED.. JULY-AUGUST 1972 INSHORE

WINDS FROM WESTPORT

PLOT ORIGIN TIME 07/12/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT OPIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	2.3	267	2.3	.1	1.2	234	1.0	.7	.9	299	.8	-.5
36.0	1.4	315	1.0	-1.0	1.4	333	.6	-1.2	1.2	331	.6	-1.0
60.0	.9	322	.6	-.7	1.2	306	1.0	-.7	1.4	258	1.3	.3
84.0	1.7	232	1.3	1.1	2.3	228	1.8	1.6	2.0	217	1.2	1.6
108.0	1.6	244	1.4	.7	1.6	282	1.5	-.3	2.5	303	2.1	-1.4
132.0	3.0	312	2.2	-2.0	3.2	315	2.3	-2.2	3.2	319	2.1	-2.4
156.0	2.5	317	1.7	-1.8	1.3	308	1.0	-.8	1.0	286	1.0	-.3
180.0	1.5	293	1.4	-.6	2.4	311	1.8	-1.5	3.1	314	2.2	-2.2
204.0	3.5	318	2.3	-2.6	3.2	315	2.3	-2.3	3.3	318	2.2	-2.5
228.0	3.3	323	2.0	-2.6	3.8	330	1.9	-3.3	4.6	332	2.2	-4.0
252.0	5.5	330	2.7	-4.7	5.4	331	2.7	-4.7	5.2	330	2.6	-4.5
276.0	4.6	332	2.2	-4.0	4.6	327	2.2	-3.3	2.9	323	1.7	-2.3
300.0	2.1	320	1.4	-1.6	1.3	283	1.3	-.3	1.5	222	1.0	1.1
324.0	2.1	207	.9	1.9	1.6	238	1.4	.9	1.7	264	1.7	.2
348.0	1.9	285	1.9	-.5	1.6	292	1.5	-.6	1.7	307	1.3	-1.0
372.0	1.6	307	1.2	-.9	2.0	319	1.3	-1.5	2.7	323	1.6	-2.1
396.0	3.7	327	2.0	-3.1	4.3	329	2.2	-3.7	4.6	330	2.3	-4.0
420.0	3.9	329	2.0	-3.3	3.6	327	1.9	-3.0	3.7	329	2.0	-3.2
444.0	4.1	330	2.1	-3.6	3.1	326	1.7	-2.6	2.6	325	1.4	-2.1
468.0	2.0	323	1.2	-1.6	2.0	328	1.0	-1.7	1.6	346	.4	-1.6
492.0	1.5	341	.5	-1.4	.8	307	.6	-.5	1.5	229	1.1	1.0
516.0	1.9	210	1.0	1.7	2.0	224	1.4	1.4	1.8	251	1.7	.6
540.0	2.0	263	2.0	.2	2.1	282	2.1	-.4	2.3	293	2.1	-.9
564.0	2.9	305	2.4	-1.6	2.9	304	2.4	-1.6	3.1	303	2.6	-1.7
588.0	2.7	297	2.4	-1.2	2.7	300	2.3	-1.3	2.6	295	2.3	-1.1
612.0	2.2	292	2.1	-.8	1.4	272	1.4	-.0	1.2	273	1.2	-.1
636.0	1.6	302	1.3	-.8	2.4	322	1.5	-1.9	2.7	331	1.3	-2.4
660.0	1.7	320	1.1	-1.3	1.2	254	1.2	.3	2.4	207	1.1	2.1
684.0	2.6	201	.9	2.4	2.4	203	.9	2.2	1.5	237	1.2	.8
708.0	2.0	283	1.9	-.4	2.5	281	2.0	-.4	2.4	211	1.2	2.1

DATA POINTS FOR PLOT ENTITLED.. JULY-AUGUST 1972 INSHORE

METER 298/04 AT DEPTH 21 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	15.1	226	-10.9	-10.5	10.7	236	-9.0	-5.9	12.4	237	-10.4	-6.8
47.0	11.6	243	-10.3	-5.2	14.7	234	-11.9	-8.7	13.1	241	-11.4	-6.4
71.0	13.1	247	-12.0	-5.2	13.1	271	-13.1	.1	11.4	278	-11.3	1.7
95.0	11.7	305	-9.6	6.7	9.3	330	-4.6	8.1	11.5	355	-1.0	11.4
119.0	8.2	16	2.3	7.8	6.7	11	1.2	6.6	6.2	349	-1.2	6.1
143.0	9.9	342	-3.1	9.4	10.8	340	-3.6	10.1	11.5	346	-2.8	11.1
167.0	12.8	350	-2.3	12.6	12.5	357	-.7	12.5	12.9	358	-.4	12.9
191.0	12.0	358	-.4	12.0	11.4	359	-.3	11.4	11.0	4	.7	11.0
215.0	9.4	7	1.1	9.3	8.1	7	1.0	8.0	1.9	353	-.2	1.9
239.0	1.7	113	1.6	-.7	7.5	184	-.6	-7.4	5.5	170	1.0	-5.4
263.0	10.6	183	-.5	-10.6	7.3	159	2.7	-6.8	11.2	168	2.2	-11.0
287.0	6.7	156	2.7	-6.1	6.4	173	.7	-6.3	4.3	174	.4	-4.3
311.0	3.1	230	-2.3	-2.0	5.6	310	-4.3	3.6	10.2	335	-4.4	9.3
335.0	11.9	341	-3.9	11.3	11.0	359	-.2	11.0	9.7	350	-1.7	9.6
359.0	5.4	7	.7	5.4	4.1	10	.7	4.1	2.9	120	2.5	-1.4
383.0	4.6	174	.5	-4.6	12.4	172	1.6	-12.3	18.7	188	-2.6	-18.6
407.0	21.9	184	-1.5	-21.7	22.0	194	-5.4	-21.3	16.8	195	-4.4	-16.2
431.0	15.9	191	-3.1	-15.6	14.4	186	-1.5	-14.4	15.3	183	-.8	-15.3
455.0	13.8	181	-.2	-13.8	12.7	187	-1.6	-12.6	10.6	178	.3	-10.6
479.0	8.3	190	-1.4	-8.2	5.2	171	.8	-5.2	1.2	348	-.3	1.2
503.0	6.6	345	-1.7	6.4	8.2	333	-3.8	7.3	8.1	323	-4.9	6.4
527.0	7.7	331	-3.8	6.7	5.5	335	-2.3	5.0	5.0	15	1.3	4.8
551.0	.7	294	-.7	.3	2.3	254	-2.2	-.6	8.2	227	-6.0	-5.6
575.0	7.5	195	-1.9	-7.2	6.4	211	-3.2	-5.5	4.9	181	-.1	-4.9
599.0	1.4	266	-1.4	-.1	2.8	245	-2.5	-1.2	3.0	312	-2.2	2.0
623.0	4.0	304	-3.3	2.3	6.7	339	-2.4	6.3	6.1	332	-2.9	5.3
647.0	6.8	328	-3.6	5.8	2.4	355	-.2	2.3	6.1	346	-1.5	5.9
671.0	7.2	2	.2	7.2	11.8	356	-.7	11.7	12.7	357	-.6	12.7
695.0	14.6	350	-2.4	14.4	13.9	351	-2.1	13.7	14.4	346	-3.4	14.0
719.0	13.8	351	-2.1	13.7								

DATA POINTS FOR PLOT ENTITLED.. JULY-AUGUST 1972 INSHORE

METER 299/05 AT DEPTH 51 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	15.6	349	-2.9	15.3	16.1	338	-5.9	15.0	15.8	330	-7.9	13.7
47.0	14.0	331	-6.8	12.3	12.2	332	-5.6	10.8	10.4	332	-4.8	9.2
71.0	7.6	338	-2.9	7.1	8.9	338	-3.4	8.3	10.6	346	-2.5	10.3
95.0	15.9	352	-2.3	15.8	16.5	354	-1.8	16.4	16.6	356	-1.2	16.5
119.0	15.3	353	-1.9	15.1	15.3	352	-2.1	15.2	13.8	353	-1.6	13.7
143.0	14.2	354	-1.4	14.1	12.6	344	-3.4	12.1	13.4	344	-3.8	12.9
167.0	13.4	344	-3.6	12.9	14.1	349	-2.6	13.9	13.8	353	-1.6	13.7
191.0	14.4	349	-2.6	14.2	13.8	349	-2.7	13.6	13.3	350	-2.3	13.1
215.0	12.1	351	-1.8	12.0	9.7	348	-2.0	9.5	8.0	352	-1.1	7.9
239.0	3.4	351	-.5	3.4	1.1	169	.2	-1.0	7.1	183	-.4	-7.1
263.0	7.1	188	-1.0	-7.0	8.2	182	-.3	-8.2	3.8	154	1.6	-3.4
287.0	6.8	160	2.3	-6.4	5.7	130	4.4	-3.6	4.6	143	2.8	-3.6
311.0	4.4	15	1.1	4.3	11.9	352	-1.7	11.8	17.9	352	-2.5	17.7
335.0	18.9	353	-2.2	18.8	18.5	355	-1.5	18.4	16.5	352	-2.2	16.4
359.0	13.1	343	-3.8	12.6	10.9	350	-2.0	10.7	5.2	330	-2.6	4.5
383.0	2.1	117	1.9	-.9	8.6	183	-.5	-8.6	13.3	173	1.6	-13.2
407.0	16.4	187	-2.0	-16.3	16.8	186	-1.8	-16.7	14.8	198	-4.5	-14.1
431.0	10.8	189	-1.7	-10.7	9.6	184	-.7	-9.6	9.7	155	4.1	-8.8
455.0	7.8	175	.7	-7.8	4.4	145	2.5	-3.6	2.9	346	-.7	2.8
479.0	8.9	24	3.6	8.1	10.3	352	-1.5	10.2	10.7	356	-.8	10.7
503.0	14.8	353	-1.9	14.7	16.1	356	-1.2	16.0	16.3	348	-3.4	15.9
527.0	15.6	344	-4.3	15.0	15.1	353	-2.0	15.0	15.0	1	.4	15.0
551.0	13.0	359	-.2	13.0	7.8	342	-2.4	7.4	5.8	337	-2.3	5.3
575.0	4.1	287	-4.0	1.2	3.1	339	-1.1	2.9	4.3	314	-3.1	3.0
599.0	5.1	326	-2.8	4.2	6.1	325	-3.5	5.0	6.3	341	-2.1	6.0
623.0	8.4	344	-2.3	8.1	10.0	344	-2.7	9.7	10.5	346	-2.6	10.2
647.0	10.3	349	-2.0	10.1	10.6	349	-2.0	10.5	12.0	346	-2.9	11.6
671.0	13.5	349	-2.6	13.3	16.0	351	-2.6	15.7	16.2	350	-2.8	16.0
695.0	17.3	352	-2.5	17.1	17.1	352	-2.3	16.9	17.6	354	-1.9	17.5
719.0	17.0	349	-3.3	16.7								

DATA POINTS FOR PLOT ENTITLED.. JULY-AUGUST 1972 INSHORE

METER 348/03 AT DEPTH 67 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
23.0	14.1	351	-2.3	13.9	12.3	344	-3.5	11.8	10.4	331	-5.1	9.0
47.0	9.1	323	-5.5	7.2	8.1	330	-4.0	7.1	8.3	328	-4.4	7.1
71.0	7.8	344	-2.1	7.5	9.5	339	-3.4	8.9	11.3	342	-3.6	10.7
95.0	14.8	341	-4.7	14.0	15.1	343	-4.4	14.4	15.2	346	-3.6	14.7
119.0	13.7	347	-3.1	13.4	13.2	347	-3.0	12.9	11.8	347	-2.7	11.5
143.0	12.3	349	-2.3	12.1	11.3	342	-3.4	10.7	11.4	345	-2.9	11.0
167.0	11.7	344	-3.3	11.2	12.8	347	-2.8	12.4	12.7	348	-2.7	12.4
191.0	13.0	351	-2.0	12.9	11.9	348	-2.5	11.6	10.9	351	-1.7	10.8
215.0	10.4	348	-2.2	10.1	8.5	343	-2.5	8.2	7.3	346	-1.8	7.1
239.0	4.4	348	-.9	4.4	.6	18	.2	.6	4.4	182	-.1	-4.4
263.0	5.3	190	-.9	-5.2	6.5	183	-.3	-6.5	3.9	147	2.1	-3.3
287.0	4.8	148	2.6	-4.1	4.2	107	4.0	-1.2	1.3	41	.9	1.0
311.0	5.4	359	-.1	5.4	11.4	350	-1.9	11.3	15.0	354	-1.5	14.9
335.0	16.3	356	-1.2	16.2	15.9	356	-1.0	15.8	13.6	356	-1.1	13.5
359.0	10.8	350	-1.8	10.6	7.8	1	.1	7.8	4.5	347	-1.0	4.4
383.0	2.8	135	2.0	-2.0	7.2	175	.6	-7.1	14.1	169	2.7	-13.8
407.0	15.9	182	-.6	-15.9	16.7	185	-1.5	-16.6	13.1	194	-3.1	-12.7
431.0	8.6	176	.6	-8.6	6.6	155	2.8	-6.0	7.9	153	3.6	-7.0
455.0	6.8	151	3.3	-5.9	5.5	158	2.0	-5.1	2.3	78	2.3	.5
479.0	4.4	14	1.0	4.3	7.1	352	-1.0	7.0	9.1	344	-2.5	8.7
503.0	11.4	349	-2.3	11.2	12.7	346	-3.1	12.4	12.9	344	-3.6	12.3
527.0	13.5	338	-5.0	12.6	13.1	344	-3.7	12.6	11.5	350	-2.1	11.3
551.0	10.0	352	-1.4	9.9	6.6	341	-2.2	6.2	5.4	352	-.7	5.4
575.0	4.2	312	-3.1	2.8	3.6	346	-.9	3.5	5.6	332	-2.7	5.0
599.0	6.0	340	-2.0	5.6	7.1	334	-3.1	6.4	6.9	341	-2.3	6.5
623.0	8.4	345	-2.1	8.1	10.2	347	-2.3	9.9	10.4	344	-2.8	10.0
647.0	9.8	343	-2.9	9.4	9.8	343	-2.9	9.4	10.2	341	-3.3	9.7
671.0	12.1	344	-3.3	11.6	14.5	346	-3.5	14.1	16.5	345	-4.4	15.9
695.0	17.6	346	-4.2	17.1	18.2	347	-4.1	17.7	17.9	347	-4.0	17.4
719.0	17.6	345	-4.6	17.0								

DATA POINTS FOR PLOT ENTITLED.. JULY-AUGUST 1972 INSHORE

METER 352/04 AT DEPTH 72 METERS.

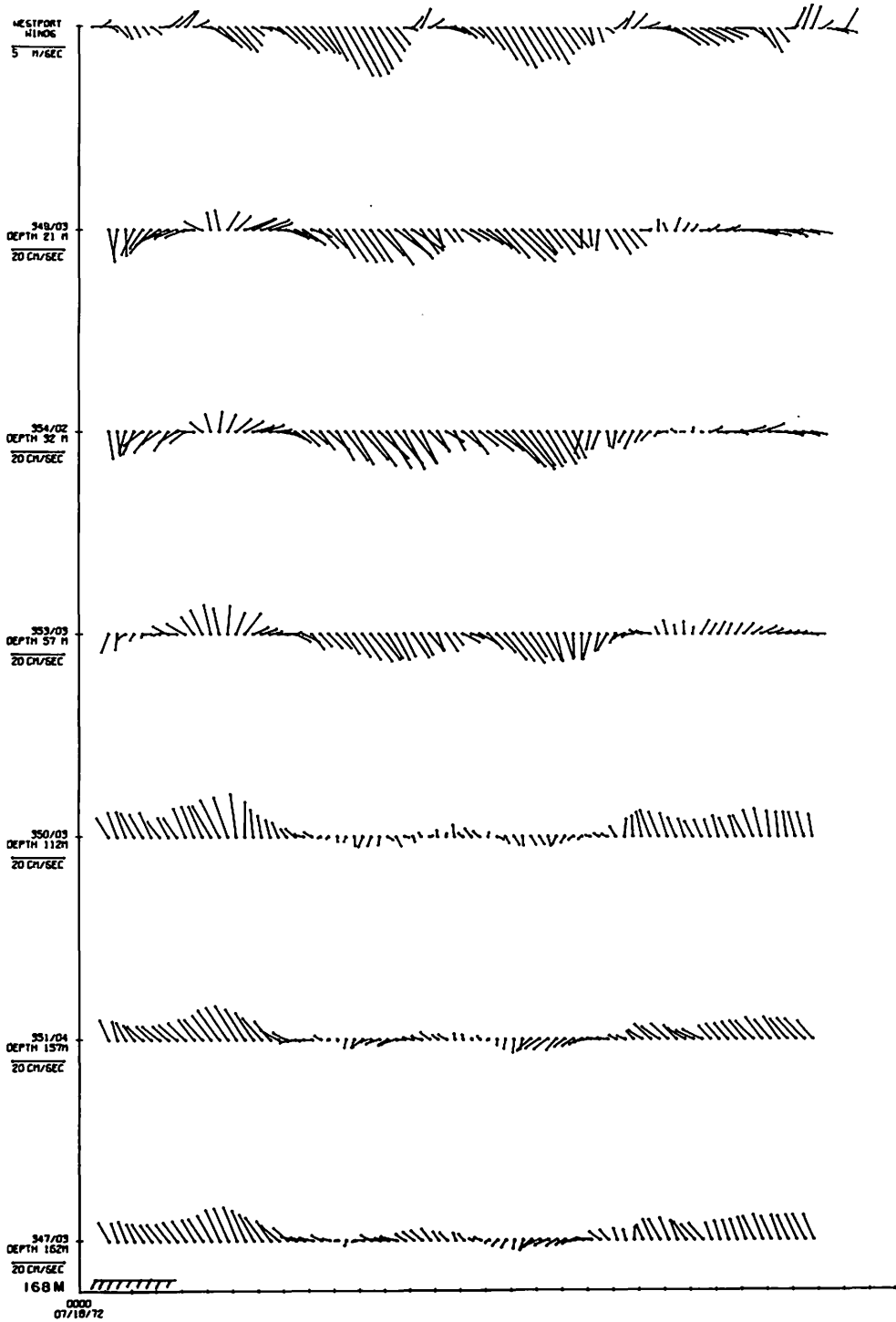
PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIR	U	V
23.0	11.6	340	-4.0	10.9	9.8	330	-5.0	8.4	9.4	317	-6.5	6.9
47.0	8.7	307	-7.0	5.2	7.3	316	-5.0	5.3	7.1	314	-5.1	5.0
71.0	7.9	325	-4.5	6.5	9.5	321	-6.0	7.4	11.5	326	-6.5	9.5
95.0	13.1	327	-7.1	11.0	13.7	329	-7.0	11.7	13.2	333	-6.0	11.7
119.0	11.8	336	-4.8	10.7	11.2	337	-4.4	10.2	10.0	335	-4.3	9.1
143.0	10.2	337	-3.9	9.4	9.6	329	-5.0	8.2	9.5	331	-4.7	8.3
167.0	10.2	330	-5.1	8.9	11.2	334	-4.9	10.1	11.3	335	-4.8	10.2
191.0	11.2	337	-4.3	10.3	10.2	333	-4.6	9.1	9.2	336	-3.8	8.4
215.0	8.9	333	-4.0	7.9	7.4	328	-3.9	6.3	6.2	327	-3.4	5.2
239.0	4.1	327	-2.2	3.4	.2	355	-.0	.2	3.9	165	1.0	-3.7
263.0	5.6	163	1.7	-5.4	6.5	161	2.1	-6.1	5.5	138	3.7	-4.1
287.0	6.3	132	4.7	-4.3	4.8	103	4.6	-1.1	2.7	53	2.2	1.6
311.0	5.6	353	-.7	5.6	10.0	347	-2.2	9.7	13.1	349	-2.5	12.9
335.0	14.4	352	-2.0	14.2	14.1	353	-1.8	13.9	11.5	351	-1.8	11.3
359.0	8.4	343	-2.5	8.0	5.7	337	-2.2	5.3	4.0	318	-2.7	3.0
383.0	2.3	177	.1	-2.2	6.8	167	1.6	-6.6	13.7	165	3.6	-13.2
407.0	14.6	174	1.6	-14.5	15.2	178	.6	-15.2	11.6	183	-.7	-11.6
431.0	8.4	170	1.4	-8.2	7.2	159	2.6	-6.7	7.5	161	2.5	-7.1
455.0	6.7	163	2.0	-6.4	5.1	173	.6	-5.1	.8	174	.1	-.8
479.0	2.8	352	-.4	2.8	6.2	332	-2.9	5.4	8.6	330	-4.3	7.4
503.0	10.1	329	-5.2	8.7	11.0	334	-4.9	9.9	10.7	332	-4.9	9.5
527.0	11.5	330	-5.8	9.9	10.8	334	-4.8	9.7	9.8	335	-4.1	9.9
551.0	8.3	337	-3.2	7.6	6.6	322	-4.1	5.2	4.5	321	-2.8	3.5
575.0	4.9	302	-4.2	2.6	3.9	308	-3.1	2.4	5.4	318	-3.7	4.0
599.0	5.3	314	-3.8	3.7	6.7	314	-4.8	4.6	6.5	316	-4.5	4.6
623.0	7.7	326	-4.3	6.3	8.8	338	-3.3	8.2	9.2	342	-2.9	8.8
647.0	9.1	346	-2.2	8.9	9.1	347	-2.0	8.9	9.4	346	-2.3	9.1
671.0	11.2	346	-2.8	10.8	13.2	345	-3.3	12.8	15.2	344	-4.3	14.6
695.0	15.9	345	-4.0	15.3	16.4	347	-3.8	16.0	15.9	346	-3.8	15.5

07/18/72-08/17/72 OFFSHORE
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 8 HOURS



DATA POINTS FOR PLOT ENTITLED.. 07/18/72 - 08/17/72 OFFSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT OPIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	2.3	267	2.3	.1	1.2	234	1.0	.7	.9	299	.8	-.5
36.0	1.4	315	1.0	-1.0	1.4	333	.6	-1.2	1.2	331	.6	-1.0
60.0	.9	322	.6	-.7	1.2	306	1.0	-.7	1.4	258	1.3	.3
84.0	1.7	232	1.3	1.1	2.3	228	1.8	1.6	2.0	217	1.2	1.6
108.0	1.6	244	1.4	.7	1.6	282	1.5	-.3	2.5	333	2.1	-1.4
132.0	3.0	312	2.2	-2.0	3.2	315	2.3	-2.2	3.2	319	2.1	-2.4
156.0	2.5	317	1.7	-1.8	1.3	308	1.0	-.8	1.0	286	1.0	-.3
180.0	1.5	293	1.4	-.6	2.4	311	1.8	-1.5	3.1	314	2.2	-2.2
204.0	3.5	318	2.3	-2.6	3.2	315	2.3	-2.3	3.3	318	2.2	-2.5
228.0	3.3	323	2.0	-2.6	3.8	330	1.9	-3.3	4.6	332	2.2	-4.0
252.0	5.5	330	2.7	-4.7	5.4	331	2.7	-4.7	5.2	330	2.6	-4.5
276.0	4.6	332	2.2	-4.0	4.0	327	2.2	-3.3	2.9	323	1.7	-2.3
300.0	2.1	320	1.4	-1.6	1.3	283	1.3	-.3	1.5	222	1.0	1.1
324.0	2.1	207	.9	1.9	1.6	238	1.4	.9	1.7	264	1.7	.2
348.0	1.9	285	1.9	-.5	1.6	292	1.5	-.6	1.7	307	1.3	-1.0
372.0	1.6	307	1.2	-.9	2.0	319	1.3	-1.5	2.7	323	1.6	-2.1
396.0	3.7	327	2.0	-3.1	4.3	329	2.2	-3.7	4.6	330	2.3	-4.0
420.0	3.9	329	2.0	-3.3	3.6	327	1.9	-3.0	3.7	328	2.0	-3.2
444.0	4.1	330	2.1	-3.6	3.1	326	1.7	-2.6	2.6	325	1.4	-2.1
468.0	2.0	323	1.2	-1.6	2.0	328	1.0	-1.7	1.6	346	.4	-1.6
492.0	1.5	341	.5	-1.4	.8	307	.6	-.5	1.5	229	1.1	1.0
516.0	1.9	210	1.0	1.7	2.0	224	1.4	1.4	1.8	251	1.7	.6
540.0	2.0	263	2.0	.2	2.1	282	2.1	-.4	2.3	293	2.1	-.9
564.0	2.9	305	2.4	-1.6	2.9	304	2.4	-1.6	3.1	303	2.6	-1.7
588.0	2.7	297	2.4	-1.2	2.7	300	2.3	-1.3	2.6	295	2.3	-1.1
612.0	2.2	292	2.1	-.8	1.4	272	1.4	-.0	1.2	273	1.2	-.1
636.0	1.6	302	1.3	-.8	2.4	322	1.5	-1.9	2.7	331	1.3	-2.4
660.0	1.7	320	1.1	-1.3	1.2	254	1.2	.3	2.4	207	1.1	2.1
684.0	2.6	201	.9	2.4	2.4	203	.9	2.2	1.5	237	1.2	.8
708.0	2.0	283	1.9	-.4	2.0	281	2.0	-.4	2.4	211	1.2	2.1

DATA POINTS FOR PLOT ENTITLED.. 07/18/72 - 09/17/72 OFFSHORE ARRAY

METER 349/03 AT DEPTH 21 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	13.0	169	2.4	-12.7	9.7	189	-1.5	-9.6	10.3	178	.3	-10.3
52.0	11.1	207	-5.0	-9.9	9.0	214	-5.1	-7.5	12.3	221	-8.1	-9.2
76.0	11.2	236	-9.3	-6.2	12.4	246	-11.3	-5.1	9.1	249	-8.5	-3.3
100.0	8.1	249	-7.6	-3.0	4.2	263	-4.1	-.5	7.6	297	-6.8	3.5
124.0	7.0	348	-1.5	6.9	8.0	349	-1.6	7.9	8.3	32	4.4	7.1
148.0	8.0	46	5.7	5.6	12.4	69	11.6	4.5	10.2	63	9.1	4.6
172.0	11.7	69	10.9	4.1	9.1	72	8.7	2.8	11.2	98	11.0	-1.6
196.0	9.3	111	8.7	-3.3	9.6	116	8.6	-4.1	10.3	124	8.5	-5.7
220.0	9.4	110	7.8	-2.9	9.9	135	6.9	-7.0	10.0	134	7.2	-7.0
244.0	13.0	148	6.9	-11.0	15.1	145	8.7	-12.3	15.5	144	9.1	-12.6
268.0	15.0	144	8.9	-12.0	15.0	145	8.5	-12.3	13.9	135	9.8	-9.8
292.0	16.9	142	10.3	-13.4	16.9	126	13.7	-9.8	16.0	135	11.4	-11.2
316.0	14.6	123	12.2	-8.0	11.5	143	7.0	-9.2	9.0	138	6.0	-6.7
340.0	7.0	162	2.1	-6.6	5.3	142	3.6	-4.5	5.5	144	3.2	-4.4
364.0	7.9	123	6.6	-4.3	7.8	120	6.8	-3.9	10.6	120	9.1	-5.4
388.0	11.6	127	9.3	-7.0	12.6	134	9.0	-8.8	14.5	139	9.5	-10.9
412.0	17.1	134	12.4	-11.8	17.9	134	12.9	-12.4	13.7	134	9.8	-9.6
436.0	11.4	142	7.0	-9.0	9.0	141	5.7	-6.9	11.8	143	7.1	-9.4
460.0	8.7	139	5.7	-6.6	9.0	138	6.1	-6.7	7.0	179	.1	-7.0
484.0	6.1	173	.7	-6.0	7.8	186	-.8	-7.8	8.2	151	3.9	-7.2
508.0	11.0	148	5.9	-9.2	8.8	143	5.3	-7.0	7.9	139	5.2	-6.0
532.0	3.1	91	3.1	-.1	.8	45	.6	.6	4.3	1	.1	4.3
556.0	3.0	337	-1.2	2.8	5.2	20	1.8	4.9	3.4	35	1.9	2.8
580.0	3.1	41	2.0	2.3	3.1	80	3.1	.5	4.2	60	3.7	2.1
604.0	5.9	79	5.8	1.1	5.4	69	5.1	1.9	7.5	91	7.5	-.1
628.0	7.9	91	7.9	-.1	9.8	101	9.6	-1.9	11.9	100	11.7	-2.0
652.0	11.5	92	11.5	-.3	9.1	99	9.0	-1.3	6.1	86	6.1	.4
676.0	5.4	116	4.8	-2.3	6.6	103	6.4	-1.4	8.0	98	7.9	-1.2

DATA POINTS FOR PLOT ENTITLED.. 07/18/72 - 08/17/72 OFFSHORE ARRAY

METER 354/02 AT DEPTH 32 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	10.9	170	1.8	-10.8	9.5	172	1.3	-9.4	8.7	197	-2.5	-9.3
52.0	9.8	206	-4.3	-8.9	8.9	233	-7.1	-5.4	10.4	219	-6.5	-8.1
76.0	8.1	235	-6.6	-4.6	9.1	216	-5.4	-7.4	7.8	238	-6.6	-4.1
100.0	7.1	233	-5.7	-4.2	6.2	276	-6.2	.6	5.7	309	-4.4	3.6
124.0	7.2	343	-2.1	6.9	8.1	9	1.2	8.0	7.6	26	3.3	6.8
148.0	7.7	49	5.8	5.0	8.4	61	7.3	4.1	8.4	74	8.1	2.3
172.0	9.1	73	8.7	2.6	8.4	84	8.3	.9	8.6	101	8.5	-1.6
196.0	7.6	111	7.1	-2.7	7.4	124	6.1	-4.1	8.4	132	6.2	-5.6
220.0	7.7	127	6.1	-4.7	9.1	141	5.7	-7.1	10.7	131	8.0	-7.0
244.0	12.9	149	6.6	-11.1	14.3	142	8.8	-11.2	15.0	149	7.8	-12.8
268.0	14.8	137	10.1	-10.8	16.7	143	10.0	-13.3	15.5	132	11.6	-10.3
292.0	17.1	146	9.4	-14.2	16.4	140	10.5	-12.6	16.8	151	8.0	-14.7
316.0	15.5	142	9.4	-12.3	14.1	153	6.4	-12.6	10.8	133	7.9	-7.4
340.0	9.1	150	4.6	-7.9	7.8	120	6.7	-3.9	8.3	151	4.1	-7.3
364.0	8.9	128	7.0	-5.6	10.9	143	6.6	-8.7	8.8	127	7.0	-5.3
388.0	12.2	127	9.8	-7.4	12.9	125	10.5	-7.5	18.0	133	13.1	-12.3
412.0	18.5	138	12.4	-13.8	19.4	139	12.7	-14.8	16.3	144	9.5	-13.3
436.0	16.5	146	9.2	-13.7	14.0	150	7.0	-12.1	14.9	148	7.8	-12.7
460.0	11.9	152	5.6	-10.5	11.4	155	4.8	-10.3	8.8	197	-2.6	-8.4
484.0	7.2	192	-1.6	-7.0	7.3	201	-2.6	-6.8	5.7	170	.9	-5.6
508.0	6.5	191	-1.2	-6.4	4.5	209	-2.2	-3.9	7.4	206	-3.3	-6.7
532.0	4.8	212	-2.5	-4.0	4.7	225	-3.3	-3.3	2.1	221	-1.4	-1.6
556.0	2.9	263	-2.9	-.4	1.8	305	-1.5	1.0	1.3	271	-1.3	.0
580.0	1.8	12	.4	1.8	.6	116	.5	-.3	5.0	67	4.6	1.9
604.0	3.3	98	3.3	-.5	5.9	85	5.9	.5	4.9	102	4.8	-1.0
628.0	8.4	76	8.2	2.0	6.4	82	6.4	.9	9.5	70	9.0	3.3
652.0	8.1	93	8.1	-.4	7.3	96	7.3	-.8	6.5	103	6.3	-1.4
676.0	3.6	97	3.6	-.5	6.3	103	6.1	-1.4	5.8	100	5.7	-1.0

DATA POINTS FOR PLOT ENTITLED.. 07/18/72 - 08/17/72 OFFSHORE ARRAY

METER 353/03 AT DEPTH 57 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	7.8	201	-2.8	-7.3	6.4	187	-.8	-6.3	3.3	238	-2.8	-1.8
52.0	2.9	212	-1.6	-2.5	1.4	203	-.5	-1.3	1.9	270	-1.9	.0
76.0	2.2	262	-2.2	-.3	6.7	298	-5.9	3.2	5.8	277	-5.8	.7
100.0	8.3	301	-7.1	4.2	8.3	325	-4.8	6.8	10.4	335	-4.5	9.4
124.0	12.0	347	-2.7	11.6	10.5	348	-2.3	10.3	11.3	4	.8	11.3
148.0	9.2	22	3.4	8.5	10.4	37	6.3	8.2	6.5	66	5.9	2.7
172.0	6.4	71	6.0	2.1	4.8	78	4.7	1.0	4.1	93	4.1	-.2
196.0	5.8	83	5.7	.7	6.7	117	6.0	-3.0	6.9	117	6.2	-3.1
220.0	7.7	140	4.9	-5.9	6.7	138	4.5	-5.0	8.0	137	5.4	-5.8
244.0	8.1	135	5.7	-5.8	9.6	145	5.5	-7.9	11.3	144	6.6	-9.1
268.0	12.5	144	7.3	-10.2	13.8	142	8.6	-10.8	13.1	141	8.3	-10.1
292.0	11.4	148	6.1	-9.6	11.6	152	5.5	-10.2	10.2	154	4.5	-9.1
316.0	11.5	145	6.6	-9.4	9.7	150	4.8	-8.4	9.0	139	5.9	-6.8
340.0	7.1	159	2.5	-6.7	8.3	146	4.6	-6.9	5.5	141	3.4	-4.3
364.0	7.4	117	6.5	-3.4	5.1	109	4.8	-1.7	7.6	118	6.7	-3.6
388.0	8.1	136	5.6	-5.8	10.3	134	7.4	-7.2	13.1	141	8.3	-10.1
412.0	13.6	143	8.2	-10.8	14.6	143	8.8	-11.6	11.0	146	6.1	-9.1
436.0	12.0	152	5.7	-10.5	11.7	152	5.4	-10.4	11.2	166	2.7	-10.9
460.0	10.6	161	3.4	-10.0	9.3	178	.3	-9.3	10.1	179	.2	-10.1
484.0	10.5	195	-2.7	-10.2	6.9	192	-1.4	-6.8	7.7	210	-3.8	-6.6
508.0	4.4	212	-2.3	-3.7	4.4	245	-4.0	-1.8	4.2	253	-4.1	-1.2
532.0	4.6	287	-4.5	1.3	5.3	282	-5.2	1.1	2.9	337	-1.2	2.7
556.0	5.5	345	-1.4	5.3	3.5	352	-.5	3.4	4.9	357	-.3	4.9
580.0	2.7	10	.5	2.6	6.2	29	3.0	5.4	4.6	32	2.5	3.9
604.0	5.2	29	2.5	4.6	4.4	25	1.8	4.0	4.7	33	2.6	4.0
628.0	5.4	43	3.7	4.0	4.3	56	3.6	2.4	6.6	64	6.0	2.9
652.0	5.4	71	5.1	1.7	5.1	78	5.0	1.0	5.0	78	4.8	1.0
676.0	4.6	79	4.5	.9	5.6	95	5.6	-.5	5.1	93	5.1	-.2

DATA POINTS FOR PLOT ENTITLED.. 07/18/72 - 08/17/72 OFFSHORE ARRAY

METER 350/03 AT DEPTH 112 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	8.7	328	-4.6	7.4	10.3	340	-3.6	9.6	10.6	340	-3.7	9.9
52.0	10.6	331	-5.2	9.2	10.2	330	-5.1	8.8	10.5	335	-4.5	9.5
76.0	7.6	322	-4.6	6.9	8.6	331	-4.1	7.6	9.0	325	-5.1	7.4
100.0	12.0	337	-4.6	11.1	12.8	338	-4.8	11.9	13.0	336	-5.4	11.9
124.0	14.1	329	-7.2	12.1	16.2	333	-7.4	14.4	16.6	340	-5.6	15.7
148.0	17.2	352	-2.4	17.1	13.9	0	.1	13.9	10.9	354	-1.2	10.9
172.0	8.5	349	-1.5	8.3	6.9	346	-1.7	6.7	6.2	337	-2.5	5.7
196.0	4.0	324	-2.3	3.2	4.9	310	-3.7	3.1	3.6	287	-3.4	1.1
220.0	3.5	302	-2.9	1.8	1.0	245	-.9	-.4	1.2	231	-.9	-.7
244.0	2.1	179	.0	-2.1	2.3	200	-.8	-2.1	3.7	174	.4	-3.7
268.0	4.5	203	-1.8	-4.2	3.8	201	-1.3	-3.6	3.5	187	-.5	-3.4
292.0	2.4	122	2.0	-1.3	4.3	153	2.0	-3.8	1.8	103	1.7	-.4
316.0	2.3	161	.7	-2.2	1.7	332	-.8	1.5	1.4	78	1.3	.3
340.0	2.5	352	-.3	2.5	1.3	10	.2	1.3	4.7	352	-.7	4.7
364.0	2.1	309	-1.6	1.3	4.0	322	-2.5	3.2	3.3	310	-2.5	2.1
388.0	1.7	12	.4	1.7	2.7	114	2.5	-1.1	3.0	151	1.4	-2.6
412.0	4.0	148	2.1	-3.4	3.7	173	.4	-3.6	3.9	150	2.0	-3.4
436.0	3.7	149	1.9	-3.2	4.0	163	1.1	-3.8	3.3	205	-1.4	-3.0
460.0	3.0	213	-1.6	-2.5	2.3	235	-1.9	-1.3	1.7	236	-1.4	-1.0
484.0	1.8	286	-1.7	.5	2.1	304	-1.7	1.2	2.3	295	-2.1	.9
508.0	4.5	330	-2.2	3.9	7.0	5	.7	7.0	8.0	357	-.5	8.0
532.0	9.7	348	-2.0	9.4	10.8	339	-3.9	10.1	10.2	338	-3.9	9.4
556.0	9.4	342	-2.8	9.0	7.9	337	-3.1	7.3	7.3	341	-2.4	6.9
580.0	6.7	331	-3.2	5.9	6.9	336	-2.8	6.3	6.9	341	-2.2	6.5
604.0	8.5	344	-2.3	8.2	7.8	337	-3.1	7.2	9.2	342	-2.5	7.8
628.0	9.1	332	-4.3	8.1	10.8	340	-3.7	10.1	11.2	345	-2.8	10.8
652.0	9.9	353	-1.3	9.8	9.5	355	-.9	9.4	9.7	351	-1.5	9.6
676.0	9.6	345	-2.5	9.3	9.7	345	-2.6	9.3	8.8	351	-1.4	8.7

DATA POINTS FOR PLOT ENTITLED.. 07/18/72 - 08/17/72 OFFSHORE ARRAY

METER 351/04 AT DEPTH 157 METERS.

PLOT ORIGIN TIME 07/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	8.6	334	-3.7	7.8	7.5	343	-2.1	7.2	7.9	331	-3.9	6.9
52.0	7.3	323	-4.4	5.9	8.2	311	-6.2	5.4	7.9	313	-5.8	5.4
76.0	8.8	308	-6.9	5.4	8.2	312	-6.1	5.4	9.2	310	-7.1	5.9
100.0	9.6	314	-6.8	6.7	10.0	322	-6.2	7.8	10.7	317	-7.2	7.9
124.0	12.0	322	-7.4	9.4	14.2	323	-8.6	11.4	15.3	325	-8.8	12.5
148.0	15.7	327	-8.5	13.2	14.2	327	-7.8	11.9	12.7	326	-7.1	10.5
172.0	11.4	318	-7.7	8.5	9.6	319	-6.3	7.2	8.2	299	-7.2	4.0
196.0	6.3	298	-5.6	2.9	6.3	260	-6.2	-1.1	6.3	266	-6.3	-.5
220.0	5.0	267	-5.0	-.3	2.8	302	-2.4	1.5	.7	254	-.6	-.2
244.0	.6	180	-.0	-.6	3.4	192	-.7	-3.3	3.4	200	-1.2	-3.2
268.0	4.9	234	-3.9	-2.9	4.0	259	-3.9	-.8	5.6	251	-5.3	-1.8
292.0	4.3	241	-3.8	-2.1	6.1	253	-5.8	-1.8	2.6	269	-2.6	-.1
316.0	4.0	284	-3.9	1.0	4.0	291	-3.8	1.4	4.6	307	-3.7	2.8
340.0	2.8	306	-2.3	1.7	3.7	301	-3.2	1.9	2.4	350	-.4	2.3
364.0	2.0	344	-.5	1.9	.4	349	-.1	.4	1.7	318	-1.1	1.2
388.0	.6	243	-.5	-.3	2.3	182	-.1	-2.3	3.7	191	-.7	-3.6
412.0	5.1	185	-.5	-5.1	4.1	194	-1.0	-4.0	7.0	230	-5.4	-4.5
436.0	6.5	236	-5.4	-3.6	6.8	234	-5.5	-4.1	5.8	222	-3.9	-4.3
460.0	5.2	233	-4.1	-3.1	5.1	238	-4.3	-2.7	5.3	247	-4.9	-2.1
484.0	6.1	260	-6.0	-1.1	4.5	276	-4.5	.5	3.9	277	-3.9	.5
508.0	3.0	299	-2.7	1.5	3.3	295	-3.0	1.4	3.9	319	-2.5	2.9
532.0	6.1	303	-5.1	3.3	8.3	313	-6.1	5.6	8.2	305	-6.8	4.7
556.0	8.7	313	-6.4	5.9	7.1	317	-4.9	5.2	7.6	301	-6.5	4.0
580.0	7.4	295	-6.7	3.2	8.4	296	-7.5	3.7	6.9	318	-4.6	5.1
604.0	7.6	319	-5.0	5.7	7.9	319	-5.1	6.0	8.5	320	-5.5	6.5
628.0	9.2	320	-5.9	7.1	9.6	314	-6.8	6.7	10.3	323	-6.2	8.2
652.0	9.5	320	-6.1	7.2	10.3	325	-5.9	8.4	10.1	318	-6.7	7.6
676.0	10.7	317	-7.3	7.9	10.8	315	-7.6	7.7	9.2	319	-6.0	6.9

DATA POINTS FOR PLOT ENTITLED.. 07/18/72 - 08/17/72 OFFSHORE ARRAY

METER 347/03 AT DEPTH 162 MFTERS.

PLOT ORIGIN TIME 07/18/72 0000

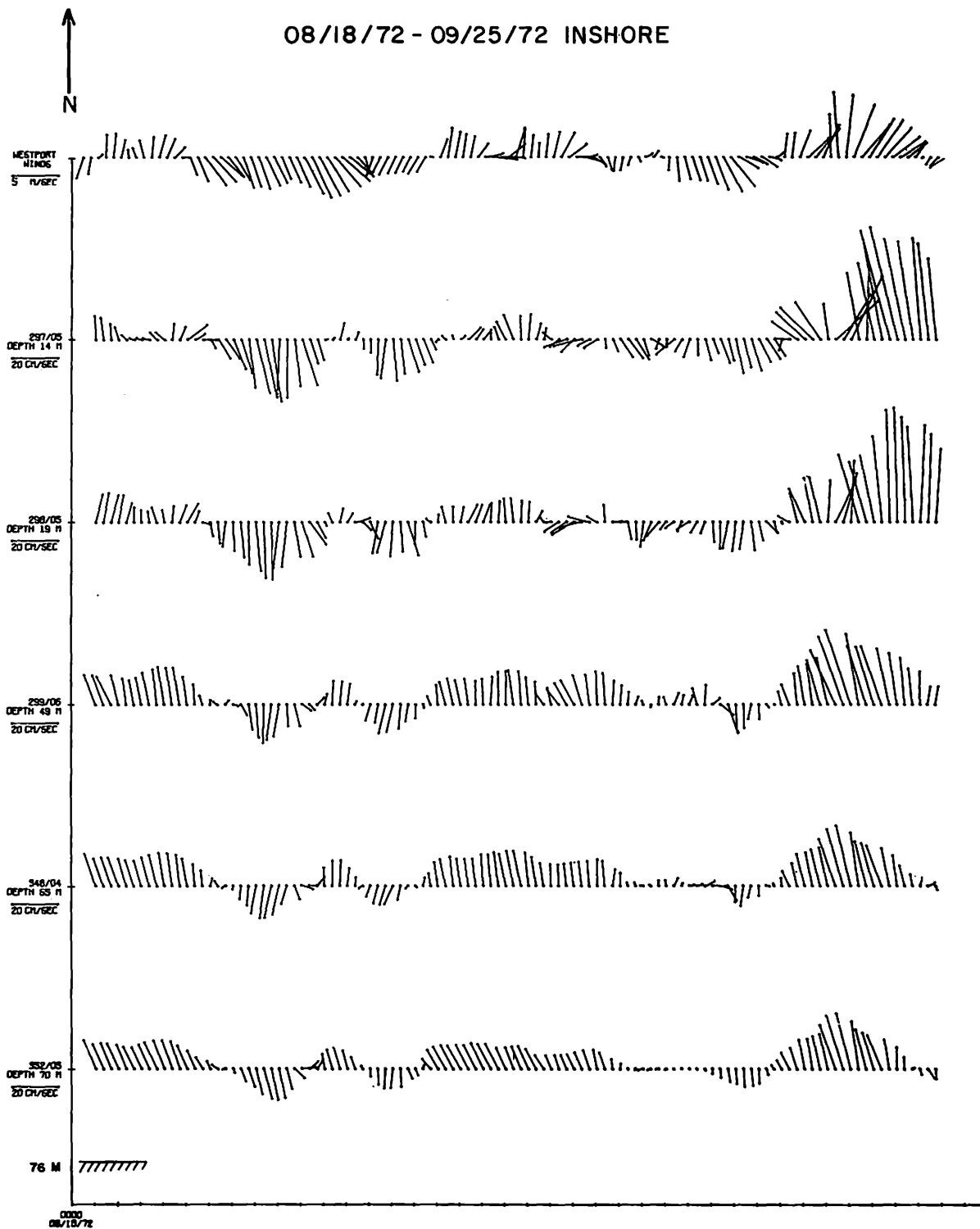
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	8.6	330	-4.3	7.4	7.7	340	-2.6	7.2	8.4	338	-3.2	7.8
52.0	7.6	334	-3.3	6.9	8.1	327	-4.4	6.7	7.7	325	-4.4	6.3
76.0	8.5	321	-5.3	6.6	8.3	322	-5.0	6.5	9.2	323	-5.5	7.4
100.0	9.4	325	-5.4	7.8	9.7	329	-4.9	8.3	10.4	327	-5.7	8.7
124.0	11.6	331	-5.6	10.1	13.5	335	-5.7	12.3	14.2	336	-5.7	13.0
148.0	14.5	338	-5.4	13.5	13.3	336	-5.4	12.1	12.0	332	-5.7	10.5
172.0	11.4	325	-6.6	9.3	9.7	324	-5.7	7.9	9.3	310	-7.0	6.0
196.0	7.5	312	-5.6	5.0	6.1	285	-5.9	1.6	5.6	282	-5.4	1.2
220.0	5.4	283	-5.3	1.2	4.4	298	-3.9	2.1	2.8	284	-2.7	.7
244.0	1.2	263	-1.2	-.2	2.2	202	-.8	-2.1	1.1	245	-1.0	-.5
268.0	2.9	269	-2.8	-.1	4.8	297	-4.3	2.2	5.9	277	-5.8	.7
292.0	5.5	279	-5.4	.9	6.5	284	-6.3	1.5	4.5	304	-3.7	2.5
316.0	5.4	307	-4.3	3.3	5.7	311	-4.3	3.8	5.7	322	-3.5	4.5
340.0	4.1	325	-2.3	3.4	4.2	315	-2.9	2.9	3.1	340	-1.1	2.9
364.0	3.2	318	-2.1	2.4	1.5	293	-1.4	.6	2.8	294	-2.6	1.2
388.0	1.9	236	-1.5	-1.0	3.1	223	-2.1	-2.3	3.6	213	-2.0	-3.0
412.0	3.6	193	-.8	-3.5	3.5	198	-1.1	-3.3	6.3	230	-4.8	-4.1
436.0	6.9	247	-6.3	-2.7	6.0	247	-5.5	-2.3	4.9	239	-4.2	-2.5
460.0	4.4	242	-3.9	-2.1	5.0	250	-4.7	-1.7	5.1	263	-5.0	-.6
484.0	5.9	276	-5.8	.6	5.1	307	-4.1	3.1	5.0	318	-3.3	3.7
508.0	4.7	342	-1.4	4.4	4.1	346	-1.0	3.9	4.8	4	.3	4.7
532.0	6.0	337	-2.3	5.5	8.5	337	-3.3	7.8	9.0	331	-4.3	7.9
556.0	9.2	338	-3.4	8.5	7.9	341	-2.6	7.4	8.2	326	-4.6	6.8
580.0	7.7	319	-5.1	5.8	8.3	319	-5.5	6.3	6.9	340	-2.3	6.5
604.0	7.6	343	-2.3	7.3	7.8	343	-2.3	7.5	8.4	341	-2.7	7.9
628.0	9.1	340	-3.1	8.6	9.9	334	-4.3	8.9	10.4	339	-3.7	9.8
652.0	9.8	336	-4.0	9.0	10.0	341	-3.3	9.4	10.1	336	-4.2	9.2
676.0	10.5	336	-4.3	9.6	10.9	333	-4.9	9.7	10.5	338	-4.0	9.7

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08/18/72 - 09/25/72 INSHORE



DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 INSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	2.4	18	-.7	-2.3	1.9	9	-.3	-1.8	.6	226	.4	.4
36.0	2.5	181	.1	2.5	2.7	185	.2	2.7	2.0	192	.4	2.0
60.0	.9	173	-.1	.9	1.1	158	-.4	1.0	2.0	164	-.5	1.9
84.0	2.3	195	.2	2.3	2.5	195	.6	2.5	2.2	202	.8	2.1
108.0	1.6	224	1.1	1.2	.7	264	.7	.1	2.0	338	.8	-1.9
132.0	2.9	336	1.2	-2.6	3.8	323	2.3	-3.1	3.7	317	2.5	-2.7
156.0	3.1	311	2.3	-2.0	2.7	321	1.7	-2.1	3.0	329	1.6	-2.5
180.0	3.6	341	1.1	-3.4	3.4	341	1.1	-3.3	3.7	340	1.3	-3.5
204.0	3.5	334	1.5	-3.1	3.2	333	1.4	-2.8	2.6	337	1.0	-2.4
228.0	3.1	335	1.3	-2.8	3.6	336	1.4	-3.3	4.5	333	2.0	-4.0
252.0	4.9	335	2.1	-4.4	4.8	332	2.2	-4.2	4.4	328	2.3	-3.8
276.0	4.3	319	2.8	-3.2	4.0	312	3.0	-2.7	3.3	310	2.6	-2.2
300.0	2.4	320	1.5	-1.8	1.8	346	.4	-1.8	2.2	19	-.7	-2.0
324.0	1.9	26	-.8	-1.7	2.2	27	-1.0	-1.9	2.0	25	-.8	-1.8
348.0	2.0	25	-.8	-1.8	1.8	27	-.8	-1.6	2.2	30	-1.1	-1.9
372.0	1.9	30	-1.0	-1.7	.3	100	-.3	.0	2.1	200	.7	2.0
396.0	3.3	188	.5	3.2	2.8	190	.5	2.8	2.6	188	.3	2.5
420.0	2.4	191	.4	2.3	1.9	216	1.1	1.5	2.0	257	1.9	.5
444.0	2.6	277	2.6	-.3	2.7	273	2.7	-.1	2.3	231	1.8	1.5
468.0	3.2	197	.9	3.0	3.3	193	.2	3.2	2.5	186	.2	2.5
492.0	1.6	183	.1	1.6	2.6	185	.2	2.6	2.9	193	.6	2.8
516.0	3.0	207	1.4	2.7	2.4	232	1.9	1.5	2.3	263	2.2	.3
540.0	2.2	286	2.1	-.6	1.7	300	1.4	-.8	1.3	327	.7	-1.1
564.0	1.5	341	.5	-1.4	1.6	7	-.2	-1.6	1.5	11	-.3	-1.4
588.0	.9	18	-.3	-.9	.6	334	.2	-.5	.8	240	.7	.4
612.0	.9	218	.5	.7	.3	291	.2	-.1	1.5	2	-.1	-1.5
636.0	2.7	354	.3	-2.6	2.6	345	.7	-2.5	2.7	341	.9	-2.6
660.0	2.7	342	.8	-2.6	3.2	340	1.1	-3.0	3.3	339	1.4	-3.6
684.0	4.3	332	2.0	-3.8	4.1	321	2.6	-3.2	2.5	300	2.1	-1.2
708.0	1.9	288	1.8	-.6	1.6	298	1.5	-.8	2.0	303	1.7	-1.1
732.0	1.3	286	1.3	-.4	.9	234	.7	.5	2.6	186	.3	2.6
756.0	2.7	186	.3	2.7	3.1	200	1.1	2.9	3.1	227	2.3	2.1
780.0	4.0	219	2.6	3.1	4.0	206	1.7	3.6	4.7	178	-.1	4.7
804.0	7.2	176	-.5	7.2	6.8	186	.7	6.8	6.1	201	2.2	5.7
828.0	4.6	220	3.0	3.5	4.9	212	2.5	4.2	5.1	215	2.9	4.2
852.0	4.4	221	2.9	3.3	3.7	233	2.9	2.2	3.3	238	2.8	1.8
876.0	2.8	232	2.2	1.7	1.4	215	.8	1.2	.1	46	-.1	-.1
900.0	1.0	31	-.5	-.8	1.3	41	-.8	-.9	2.1	56	-1.7	-1.2

DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 INSHORE ARRAY

METER 297/05 AT DEPTH 14 METERS.

PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
26.0	10.6	356	-0.8	10.6	9.9	351	-1.5	9.8	7.1	355	-0.6	7.1
50.0	5.9	342	-1.8	5.6	3.0	315	-2.1	2.1	2.4	292	-2.2	.9
74.0	2.6	289	-2.5	.8	3.1	285	-3.0	.8	4.6	316	-3.2	3.3
98.0	5.3	310	-4.0	3.4	7.2	6	.7	7.1	6.2	22	2.4	5.8
122.0	10.7	52	8.4	6.6	4.9	56	4.1	2.7	5.6	90	5.6	-0
146.0	4.3	149	2.2	-3.7	10.0	147	5.4	-8.4	10.3	144	6.0	-8.3
170.0	14.1	158	5.3	-13.0	15.7	162	4.8	-14.9	21.6	172	3.0	-21.4
194.0	24.4	166	5.9	-23.7	26.1	167	5.7	-25.4	27.8	171	4.2	-27.5
218.0	24.2	182	-1.0	-24.1	25.8	180	.1	-25.8	20.8	173	2.6	-20.6
242.0	21.2	162	6.6	-20.2	11.1	161	3.6	-10.5	9.4	162	2.8	-9.0
266.0	1.0	82	1.0	.1	1.2	38	.8	1.0	7.5	13	1.7	7.3
290.0	.7	26	.3	.7	3.6	19	1.2	3.4	4.3	175	.4	-4.3
314.0	5.9	178	.2	-5.9	15.6	182	-0.5	-15.6	17.4	187	-2.2	-17.2
338.0	18.6	174	1.8	-18.5	15.3	173	1.8	-15.2	15.0	162	4.7	-14.3
362.0	11.8	160	4.1	-11.0	11.1	157	4.3	-10.2	4.9	153	2.2	-4.4
386.0	1.5	226	-1.1	-1.1	2.4	314	-1.7	1.7	1.9	342	-0.6	1.8
410.0	2.5	47	1.8	1.7	7.4	44	5.2	5.4	5.5	34	3.1	4.5
434.0	5.4	37	3.3	4.3	3.0	355	-0.2	3.0	6.0	340	-2.0	5.6
458.0	8.9	331	-4.3	7.8	11.7	338	-4.4	10.8	10.3	357	-0.5	10.3
482.0	11.2	4	.8	11.1	7.3	14	1.8	7.1	5.1	9	.8	5.0
506.0	4.8	309	-3.8	3.0	5.1	231	-3.9	-3.2	10.5	250	-9.9	-3.6
530.0	7.9	226	-5.7	-5.4	12.7	256	-12.4	-3.0	5.8	242	-5.2	-2.7
554.0	6.8	238	-5.7	-3.6	3.8	174	.4	-3.8	5.8	156	2.3	-5.3
578.0	9.5	146	5.3	-7.9	10.5	143	6.4	-8.4	10.6	147	5.8	-9.0
602.0	7.6	162	2.4	-7.2	5.7	121	4.9	-2.9	4.5	199	-1.5	-4.3
626.0	3.5	182	-0.1	-3.5	10.4	230	-7.9	-6.7	6.1	210	-3.1	-5.2
650.0	8.4	199	-2.7	-7.9	7.0	177	.3	-7.0	9.6	164	2.6	-9.2
674.0	6.5	159	2.3	-6.1	11.2	159	4.0	-10.4	9.7	165	2.5	-9.4
698.0	15.3	168	3.2	-15.0	12.8	166	3.1	-12.4	14.5	163	4.3	-13.8
722.0	11.1	153	5.1	-9.9	10.5	146	5.9	-8.7	8.7	147	4.7	-7.3
746.0	5.2	196	-1.4	-5.0	6.4	274	-6.4	.4	13.6	305	-11.2	7.8
770.0	17.3	313	-12.6	11.9	19.9	315	-14.1	13.9	19.7	326	-11.1	16.3
794.0	15.8	352	-2.2	15.6	25.0	47	19.1	17.1	22.8	30	11.6	19.7
818.0	30.7	25	13.1	27.7	29.7	350	-5.4	29.2	32.4	2	.9	32.4
842.0	34.2	348	-7.2	33.4	44.9	349	-8.6	44.1	49.5	345	-12.9	47.8
866.0	50.8	346	-12.0	49.3	45.0	348	-9.3	44.0	43.6	351	-6.9	43.1
890.0	44.6	355	-3.7	44.5	42.4	354	-4.7	42.1	35.8	354	-3.6	35.6

DATA POINTS FOR PLOT ENTITLED J.. 08/18/72 - 09/25/72 INSHORE ARRAY

METER 298/05 AT DEPTH 19 METERS.

PLOT ORIGIN TIME 03/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
26.0	12.7	13	2.9	12.4	13.1	10	2.3	12.9	12.3	15	3.2	11.9
50.0	12.2	10	2.1	12.0	8.8	15	2.3	8.5	6.5	0	.0	6.5
74.0	5.4	357	-.2	5.4	4.9	351	-.8	4.9	7.0	341	-2.3	6.6
98.0	5.4	349	-1.0	5.3	7.2	5	.6	7.2	9.0	20	2.8	7.5
122.0	9.4	29	4.5	8.2	5.3	20	1.8	5.0	3.8	108	3.6	-1.2
146.0	6.3	168	1.3	-6.1	9.5	174	1.1	-9.5	10.9	186	-1.2	-10.9
170.0	12.7	178	.5	-12.7	15.5	175	1.5	-15.4	18.8	179	.3	-18.8
194.0	21.7	175	2.0	-21.6	24.8	178	.8	-24.8	25.3	179	.5	-25.3
218.0	20.3	187	-2.5	-20.2	19.8	186	-2.2	-19.7	15.4	170	2.7	-15.2
242.0	16.1	162	4.9	-15.3	12.2	143	7.3	-9.8	8.0	151	3.8	-7.0
266.0	1.7	154	.8	-1.5	4.4	336	-1.8	4.9	6.2	13	1.3	6.0
290.0	4.6	30	2.3	3.9	6.7	75	6.5	1.8	5.2	134	3.7	-3.6
314.0	8.2	155	3.5	-7.4	14.0	190	-2.4	-13.8	14.0	195	-3.7	-13.5
338.0	15.1	184	-1.1	-15.1	13.2	176	1.0	-13.1	15.4	162	4.7	-14.7
362.0	9.6	182	-.4	-9.6	6.7	168	1.4	-6.6	2.5	308	-2.0	1.5
386.0	3.4	3	.2	3.4	7.1	345	-1.8	6.8	6.8	359	-.1	6.8
410.0	6.8	11	1.3	6.6	8.7	27	3.9	7.7	8.0	20	2.7	7.5
434.0	8.2	21	2.9	7.7	8.3	2	.3	8.3	9.1	3	.5	9.1
458.0	10.5	354	-1.1	10.4	10.9	353	-1.4	10.8	9.4	1	.2	9.4
482.0	8.9	2	.3	8.9	5.4	28	2.6	4.8	2.2	322	-1.4	1.8
506.0	2.0	264	-1.9	-.2	7.6	235	-6.2	-4.3	8.1	235	-6.6	-4.7
530.0	11.2	239	-9.6	-5.7	10.1	255	-9.8	-2.6	9.6	285	-9.3	2.4
554.0	5.1	300	-4.4	2.6	7.6	355	-.7	7.6	4.0	83	4.0	.5
578.0	2.6	84	2.6	.3	7.7	168	1.7	-7.5	8.0	177	.4	-8.0
602.0	11.0	187	-1.3	-10.9	8.8	202	-3.2	-8.2	8.0	220	-5.1	-6.2
626.0	4.3	218	-2.6	-3.4	4.5	233	-3.6	-2.7	4.7	203	-1.9	-4.3
650.0	6.2	237	-5.2	-3.4	5.5	210	-2.8	-4.8	5.3	199	-1.8	-5.0
674.0	9.0	176	.6	-8.9	11.8	181	-.2	-11.8	11.8	192	-2.4	-11.6
698.0	13.2	187	-1.6	-13.1	12.0	188	-1.7	-11.9	12.5	173	1.6	-12.4
722.0	8.4	167	1.9	-8.2	7.1	134	5.1	-5.0	4.8	164	1.3	-4.6
746.0	1.0	160	.3	-.9	5.6	299	-4.9	2.7	13.1	346	-3.3	12.7
770.0	16.3	335	-7.0	14.7	19.7	349	-3.9	19.3	20.2	346	-4.9	19.6
794.0	18.4	3	1.0	18.4	19.8	25	8.4	17.9	22.1	15	5.7	21.3
818.0	26.8	3	1.3	26.8	30.8	343	-8.9	29.5	27.5	344	-7.6	26.4
842.0	30.4	348	-6.3	29.8	37.9	354	-4.1	37.7	49.0	358	-1.6	49.0
866.0	50.1	358	-1.6	50.0	45.9	358	-1.7	45.9	41.7	357	-2.5	41.7
890.0	42.4	2	1.7	42.4	38.4	2	1.2	38.4	32.0	3	1.9	31.9

DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 INSHORE ARRAY

METER 299/06 AT DEPTH 49 METERS.

PLOT ORIGIN TIME 08/18/72 0300

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
26.0	14.1	339	-5.1	13.2	13.9	340	-4.8	13.1	13.9	334	-6.1	12.5
50.0	13.4	346	-3.3	13.0	11.8	352	-1.6	11.6	11.1	349	-2.1	10.9
74.0	12.1	349	-2.4	11.9	14.3	349	-2.8	14.0	15.7	354	-1.8	15.6
98.0	17.0	350	-2.8	16.7	16.4	351	-2.6	16.1	16.5	350	-2.8	16.3
122.0	12.6	351	-1.9	12.4	9.1	355	-.8	9.0	4.2	343	-1.2	4.0
146.0	2.2	6	.2	2.2	2.3	307	-1.8	1.4	2.4	39	1.5	1.9
170.0	2.3	109	2.2	-.7	5.3	150	2.7	-4.5	11.2	171	1.8	-11.1
194.0	14.6	175	1.2	-14.6	17.0	181	-.3	-17.0	15.6	188	-2.1	-15.5
218.0	14.1	190	-2.4	-13.9	9.6	176	.6	-9.5	9.8	165	2.5	-9.5
242.0	4.7	125	3.8	-2.7	3.2	136	2.2	-2.3	4.4	45	3.1	3.1
266.0	4.9	13	1.1	4.7	10.5	2	.3	10.5	10.2	5	.9	10.2
290.0	9.2	7	1.1	9.2	1.7	24	.7	1.6	.4	52	.3	.2
314.0	7.4	196	-2.1	-7.1	8.2	189	-1.3	-8.1	13.0	193	-2.9	-12.7
338.0	12.4	193	-2.8	-12.1	10.8	184	-.7	-10.8	7.5	189	-1.2	-7.5
362.0	6.1	180	.0	-6.1	1.5	169	.3	-1.5	3.9	338	-1.5	3.6
386.0	8.7	354	-.9	8.7	10.3	344	-2.8	9.9	11.7	347	-2.7	11.4
410.0	11.0	347	-2.5	10.7	11.4	352	-1.7	11.3	10.5	359	-.2	10.5
434.0	11.3	357	-.5	11.3	12.2	3	.6	12.2	14.4	360	-.1	14.4
458.0	14.7	0	.0	14.7	15.2	352	-2.2	15.0	14.6	356	-1.0	14.6
482.0	12.1	354	-1.3	12.0	10.0	357	-.6	10.0	6.0	324	-3.5	4.9
506.0	7.5	346	-1.8	7.3	8.2	323	-5.0	6.5	10.8	331	-5.3	9.4
530.0	12.0	331	-5.9	10.5	13.5	343	-4.0	12.9	13.3	352	-1.8	13.1
554.0	14.5	358	-.6	14.5	13.8	356	-.9	13.8	10.4	3	.6	10.4
578.0	8.6	4	.6	8.6	5.6	4	.4	5.6	3.6	19	1.2	3.4
602.0	1.8	342	-.5	1.7	1.2	191	-.2	-1.2	3.3	4	.2	3.3
626.0	3.4	342	-1.0	3.2	5.5	22	2.1	5.1	4.1	13	.9	4.0
650.0	4.2	21	1.5	3.9	7.4	345	-2.0	7.1	8.7	3	.5	8.7
674.0	4.2	50	3.2	2.7	7.2	128	5.7	-4.5	13.2	161	4.3	-12.5
698.0	11.7	177	.7	-11.7	10.4	178	.3	-10.4	6.6	191	-1.3	-6.5
722.0	6.4	177	.3	-6.4	1.7	142	1.1	-1.3	.2	122	.2	-.1
746.0	5.9	345	-1.5	5.7	9.4	339	-3.4	8.7	13.8	354	-1.4	13.8
770.0	16.9	350	-2.9	16.6	17.9	352	-2.5	17.7	20.3	344	-5.7	19.5
794.0	21.1	347	-4.9	20.5	26.1	335	-10.8	23.7	31.7	340	-10.6	29.8
818.0	34.3	342	-10.9	32.6	31.5	350	-5.3	31.1	26.8	342	-8.2	25.6
842.0	26.5	343	-7.8	25.3	26.9	341	-8.9	25.4	25.2	348	-5.4	24.6
866.0	22.8	351	-3.5	22.6	20.6	355	-1.9	20.5	15.9	354	-1.8	15.8
890.0	14.5	359	-.3	14.5	8.0	8	1.1	7.9	8.0	9	1.2	7.9

DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 INSHORE ARRAY

METER 348/04 AT DEPTH 65 METERS.

PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
26.0	15.1	341	-5.1	14.3	13.1	340	-4.4	12.3	13.5	341	-4.4	12.8
50.0	13.5	339	-4.7	12.6	12.6	344	-3.6	12.1	12.1	342	-3.8	11.5
74.0	11.5	343	-3.3	11.0	13.1	345	-3.3	12.6	14.3	346	-3.5	13.9
98.0	14.9	350	-2.5	14.7	14.6	352	-2.1	14.5	14.1	353	-1.7	14.0
122.0	12.4	349	-2.3	12.2	9.6	354	-1.0	9.5	6.9	354	-0.7	6.9
146.0	3.7	14	.9	3.6	2.7	327	-1.5	2.3	1.8	235	-1.5	-1.0
170.0	1.7	191	-.3	-1.7	5.9	185	-.5	-5.9	8.5	184	-.6	-8.5
194.0	12.4	191	-2.3	-12.2	14.3	187	-1.8	-14.2	14.3	192	-3.1	-14.0
218.0	13.0	193	-2.9	-12.6	9.4	196	-2.3	-8.0	6.4	158	2.4	-5.9
242.0	5.2	108	4.9	-1.6	3.8	84	3.8	.4	5.0	40	3.2	3.9
266.0	8.2	357	-.4	8.2	11.2	360	-.1	11.2	11.3	2	.4	11.3
290.0	7.9	6	.8	7.9	3.8	3	.2	3.8	1.9	239	-1.6	-1.0
314.0	5.2	200	-1.7	-4.9	8.3	194	-2.0	-8.0	8.8	197	-2.5	-8.4
338.0	8.9	205	-3.7	-8.1	6.4	191	-1.2	-6.3	1.5	222	-1.0	-1.1
362.0	.9	142	.6	-.7	3.7	11	.7	3.6	5.7	349	-1.1	5.6
386.0	10.7	350	-1.8	10.5	12.1	348	-2.6	11.8	12.9	353	-1.5	12.8
410.0	12.1	351	-1.9	12.0	12.1	352	-1.7	12.0	12.2	353	-1.6	12.1
434.0	13.9	356	-1.0	13.9	13.9	355	-1.3	13.8	15.0	352	-2.0	14.9
458.0	14.5	348	-3.1	14.2	15.9	349	-3.1	15.5	15.8	348	-3.4	15.5
482.0	14.9	354	-1.7	14.8	12.9	351	-2.0	12.7	10.0	351	-1.6	9.8
506.0	9.5	357	-.6	9.5	9.4	357	-.4	9.4	9.7	353	-1.2	9.6
530.0	10.2	351	-1.5	10.1	10.8	353	-1.4	10.7	11.1	355	-1.0	11.0
554.0	11.6	0	.0	11.6	11.0	354	-1.1	10.9	7.4	8	1.0	7.3
578.0	5.8	360	-.0	5.8	1.5	344	-.4	1.4	1.6	342	-.5	1.6
602.0	1.3	276	-1.3	.1	.9	305	-.7	.5	2.4	359	-.1	2.4
626.0	2.6	349	-.5	2.5	3.9	25	1.6	3.5	1.1	23	.4	1.0
650.0	2.0	77	2.0	.4	2.3	69	2.1	.8	5.1	64	4.5	2.2
674.0	5.6	91	5.6	-.1	5.5	108	5.2	-1.7	7.4	148	3.9	-6.3
698.0	7.1	181	-.1	-7.1	9.0	187	-1.0	-8.9	5.3	194	-1.2	-5.2
722.0	4.4	179	.1	-4.4	1.6	103	1.5	-.4	1.0	342	-.3	1.0
746.0	3.4	354	-.4	3.4	7.2	334	-3.1	6.4	10.3	346	-2.5	10.0
770.0	14.4	346	-3.6	14.0	15.1	348	-3.0	14.7	16.6	346	-4.0	16.1
794.0	17.4	347	-3.9	17.0	22.0	341	-7.1	20.8	26.1	344	-7.0	25.1
818.0	27.6	346	-6.5	26.9	24.0	352	-3.5	23.7	20.3	346	-4.9	19.7
842.0	19.5	344	-5.4	18.8	19.0	340	-6.6	17.8	17.1	348	-3.4	16.7
866.0	13.6	352	-1.9	13.5	9.2	345	-2.4	8.9	5.2	349	-1.0	5.1
890.0	3.9	14	1.0	3.8	3.3	63	2.9	1.5	1.8	156	.7	-1.7

DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 INSHORE ARRAY

METER 352/05 AT DEPTH 70 METERS.

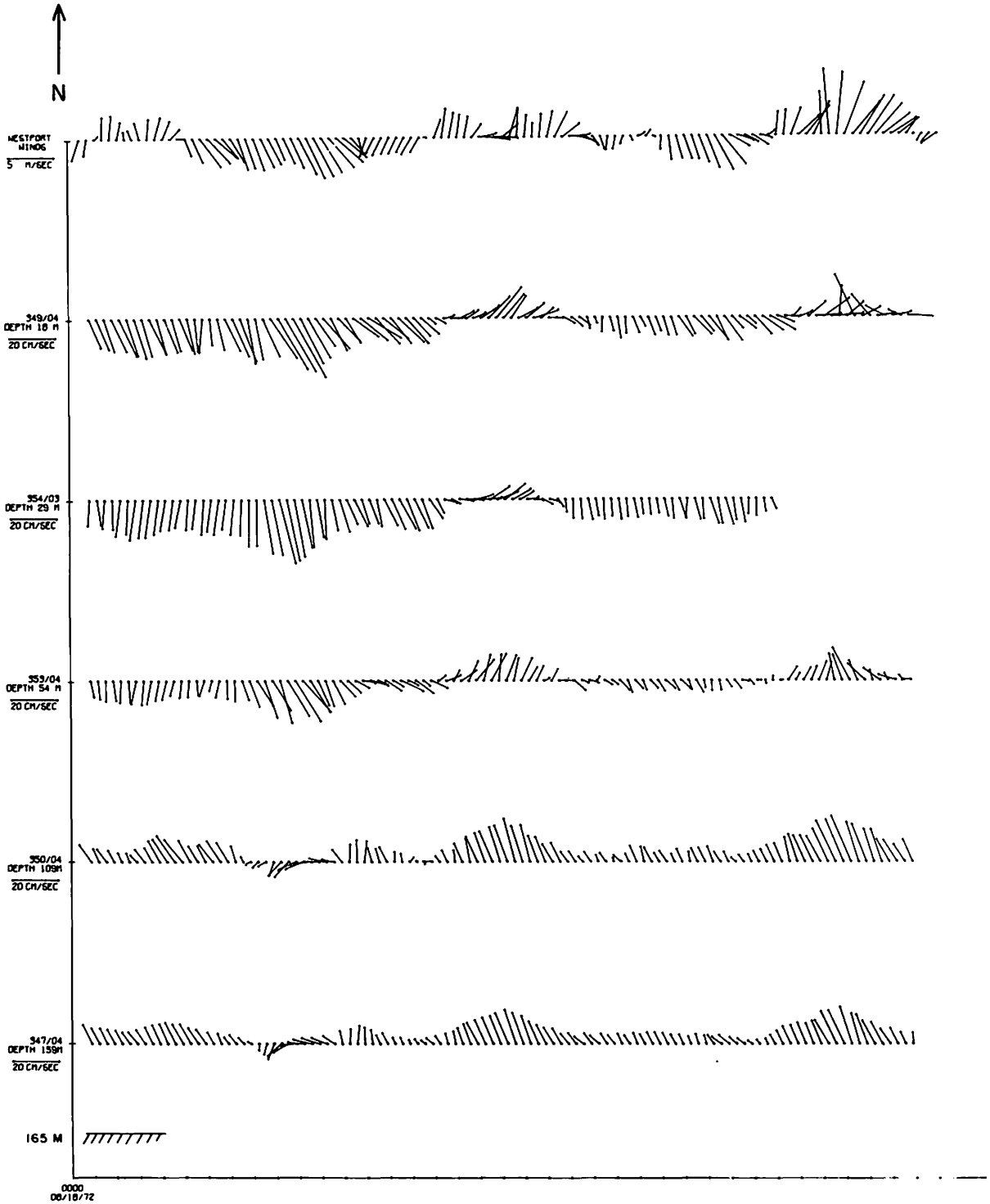
PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
26.0	13.7	336	-5.5	12.6	11.9	335	-4.9	10.8	12.2	337	-4.8	11.2
50.0	12.2	334	-5.4	11.0	11.4	337	-4.5	10.5	10.9	333	-4.9	9.7
74.0	10.3	334	-4.5	9.2	11.6	335	-4.8	10.6	12.7	335	-5.4	11.5
98.0	13.3	339	-4.9	12.4	13.3	340	-4.5	12.5	12.6	341	-4.1	12.0
122.0	11.1	336	-4.6	10.1	8.5	336	-3.5	7.8	5.9	328	-3.1	5.0
146.0	3.7	336	-1.5	3.4	3.2	304	-2.7	1.8	1.3	254	-1.3	-0.4
170.0	2.0	162	.6	-1.9	6.0	158	2.2	-5.6	9.5	161	2.8	-8.0
194.0	11.6	167	2.7	-11.3	13.7	165	3.5	-13.2	14.0	168	2.9	-13.7
218.0	13.1	168	2.7	-12.8	9.2	165	2.4	-8.9	6.1	132	4.5	-4.1
242.0	5.9	83	5.8	.7	4.8	49	3.7	3.2	4.6	33	2.5	3.9
266.0	6.6	350	-1.2	6.5	8.8	343	-2.5	8.4	10.0	342	-3.0	9.6
290.0	8.3	344	-2.2	8.0	5.5	341	-1.8	5.2	1.4	333	-.6	1.2
314.0	3.5	177	.2	-3.5	7.0	177	.4	-7.0	8.7	183	-.4	-8.6
338.0	8.6	186	-.9	-8.5	7.9	176	.5	-7.9	4.8	156	2.0	-4.4
362.0	3.1	158	1.1	-2.9	1.5	17	.4	1.4	5.6	319	-3.7	4.2
386.0	9.6	329	-5.0	8.2	11.2	329	-5.7	9.6	11.7	332	-5.6	10.3
410.0	11.7	329	-6.0	10.0	11.8	332	-5.5	10.4	11.8	332	-5.5	10.4
434.0	12.4	334	-5.4	11.2	12.2	331	-6.0	10.7	12.4	332	-5.9	10.9
458.0	10.1	334	-4.4	9.1	10.0	338	-3.7	9.3	10.5	336	-4.3	9.6
482.0	11.0	334	-4.8	9.9	9.9	331	-4.7	8.7	7.0	326	-3.9	5.8
506.0	6.4	336	-2.6	5.9	6.3	342	-2.0	6.0	6.6	337	-2.6	6.0
530.0	7.0	333	-3.2	6.3	7.8	336	-3.2	7.2	8.7	340	-2.9	8.2
554.0	8.5	348	-1.8	8.3	7.5	341	-2.5	7.1	4.3	352	-.6	4.3
578.0	2.3	6	.2	2.3	.3	167	.1	-.3	.6	214	-.3	-.5
602.0	2.1	253	-2.0	-.6	1.5	256	-1.5	-.4	1.2	264	-1.2	-.1
626.0	.6	237	-.5	-.3	.0	352	-.0	.0	0.0	0	0.0	0.0
650.0	0.0	0	0.0	0.0	.1	198	-.0	-.1	.7	156	.3	-.6
674.0	2.2	179	.0	-2.2	3.9	174	.4	-3.8	5.8	169	1.1	-5.7
698.0	6.5	175	.6	-6.5	7.9	176	.6	-7.8	7.4	173	.9	-7.4
722.0	6.3	178	.3	-6.3	2.7	163	.8	-2.6	1.9	326	-1.1	1.6
746.0	4.2	331	-2.0	3.7	8.1	332	-3.8	7.2	9.8	341	-3.1	9.3
770.0	13.0	348	-2.6	12.7	13.3	350	-2.3	13.1	14.8	347	-3.3	14.4
794.0	15.7	347	-3.6	15.3	20.4	340	-6.8	19.2	24.4	343	-7.3	23.2
818.0	25.2	345	-6.5	24.3	21.1	351	-3.1	20.9	17.8	345	-4.6	17.2
842.0	16.6	343	-5.0	15.8	16.0	337	-6.2	14.8	13.0	350	-2.2	12.8
866.0	9.5	358	-.3	9.5	5.3	356	-.4	5.3	1.0	72	1.0	.3
890.0	2.7	164	.7	-2.6	4.8	146	2.7	-4.0	4.5	176	.3	-4.5

08/18/72-09/25/72 OFFSHORE



DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 OFFSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 08/19/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	2.4	18	-.7	-2.3	1.9	9	-.3	-1.8	.6	226	.4	.4
36.0	2.5	181	.1	2.5	2.7	185	.2	2.7	2.0	192	.4	2.0
60.0	.9	173	-.1	.9	1.1	158	-.4	1.0	2.0	164	-.5	1.9
84.0	2.3	185	.2	2.3	2.5	195	.6	2.5	2.2	202	.8	2.1
108.0	1.6	224	1.1	1.2	.7	264	.7	.1	2.0	338	.8	-1.9
132.0	2.9	336	1.2	-2.6	3.8	323	2.3	-3.1	3.7	317	2.5	-2.7
156.0	3.1	311	2.3	-2.0	2.7	321	1.7	-2.1	3.0	329	1.6	-2.5
180.0	3.6	341	1.1	-3.4	3.4	341	1.1	-3.3	3.7	340	1.3	-3.5
204.0	3.5	334	1.5	-3.1	3.2	333	1.4	-2.8	2.6	337	1.0	-2.4
228.0	3.1	335	1.3	-2.8	3.6	336	1.4	-3.3	4.5	333	2.0	-4.0
252.0	4.9	335	2.1	-4.4	4.8	332	2.2	-4.2	4.4	328	2.3	-3.8
276.0	4.3	319	2.8	-3.2	4.0	312	3.0	-2.7	3.3	310	2.6	-2.2
300.0	2.4	320	1.5	-1.8	1.8	346	.4	-1.8	2.2	19	-.7	-2.0
324.0	1.9	26	-.8	-1.7	2.2	27	-1.0	-1.9	2.0	25	-.8	-1.8
348.0	2.0	25	-.8	-1.8	1.8	27	-.8	-1.6	2.2	30	-1.1	-1.9
372.0	1.9	30	-1.0	-1.7	.3	100	-.3	.0	2.1	200	.7	2.0
396.0	3.3	188	.5	3.2	2.8	190	.5	2.8	2.6	188	.3	2.5
420.0	2.4	191	.4	2.3	1.9	216	1.1	1.5	2.0	257	1.9	.5
444.0	2.6	277	2.6	-.3	2.7	273	2.7	-.1	2.3	231	1.8	1.5
468.0	3.2	197	.9	3.0	3.3	183	.2	3.2	2.5	186	.2	2.5
492.0	1.6	183	.1	1.6	2.6	185	.2	2.6	2.9	193	.6	2.8
516.0	3.0	207	1.4	2.7	2.4	232	1.9	1.5	2.3	263	2.2	.3
540.0	2.2	286	2.1	-.6	1.7	300	1.4	-.8	1.3	327	.7	-1.1
564.0	1.5	341	.5	-1.4	1.6	7	-.2	-1.6	1.5	11	-.3	-1.4
588.0	.9	18	-.3	-.9	.6	334	.2	-.5	.8	240	.7	.4
612.0	.9	218	.5	.7	.3	291	.2	-.1	1.5	2	-.1	-1.5
636.0	2.7	354	.3	-2.6	2.6	345	.7	-2.5	2.7	341	.9	-2.6
660.0	2.7	342	.8	-2.6	3.2	340	1.1	-3.0	3.8	339	1.4	-3.6
684.0	4.3	332	2.0	-3.8	4.1	321	2.6	-3.2	2.5	300	2.1	-1.2
708.0	1.9	288	1.8	-.6	1.6	298	1.5	-.8	2.0	303	1.7	-1.1
732.0	1.3	286	1.3	-.4	.9	234	.7	.5	2.6	186	.3	2.6
756.0	2.7	186	.3	2.7	3.1	200	1.1	2.9	3.1	227	2.3	2.1
780.0	4.0	219	2.6	3.1	4.0	206	1.7	3.6	4.7	178	-.1	4.7
804.0	7.2	176	-.5	7.2	6.8	186	.7	6.8	6.1	201	2.2	5.7
828.0	4.6	220	3.0	3.5	4.9	212	2.6	4.2	5.1	215	2.9	4.2
852.0	4.4	221	2.9	3.3	3.7	233	2.9	2.2	3.3	238	2.8	1.8
876.0	2.8	232	2.2	1.7	1.4	215	.8	1.2	.1	46	-.1	-.1
900.0	1.0	31	-.5	-.8	1.3	41	-.8	-.9	2.1	56	-1.7	-1.2

DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 OFFSHORE ARPA

METER 349/04 AT DEPTH 18 METERS.

PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
21.0	13.7	157	5.4	-12.5	14.5	157	5.7	-13.3	15.0	161	4.8	-14.2
45.0	15.7	155	6.7	-14.2	18.1	154	7.9	-16.3	16.8	162	5.2	-16.0
69.0	18.1	162	5.5	-17.2	16.9	164	4.7	-16.2	16.3	153	7.3	-14.5
93.0	16.0	164	4.3	-15.4	15.6	158	5.9	-14.4	14.5	164	4.0	-14.0
117.0	14.8	157	5.8	-13.7	15.5	167	3.4	-15.1	14.3	174	1.5	-14.2
141.0	14.8	185	-1.2	-14.7	11.5	174	1.1	-11.4	13.9	167	3.2	-13.5
165.0	15.6	154	6.8	-14.0	18.0	156	7.3	-16.4	19.9	159	7.2	-18.5
189.0	19.9	170	3.5	-19.6	18.1	169	3.5	-17.8	18.1	156	7.5	-16.5
213.0	20.9	146	11.7	-17.3	25.9	149	13.1	-22.3	26.8	150	13.4	-23.3
237.0	29.6	151	14.4	-25.9	22.2	153	10.1	-19.8	19.8	150	9.8	-17.2
261.0	14.8	144	8.6	-12.0	17.6	138	11.7	-13.2	15.7	153	7.2	-13.9
285.0	13.9	136	9.7	-9.9	12.6	148	6.6	-10.7	13.6	126	11.0	-7.9
309.0	15.2	129	11.8	-9.5	16.7	121	14.3	-8.6	15.3	137	10.5	-11.2
333.0	14.2	129	11.0	-8.9	14.1	141	8.9	-11.0	15.3	133	11.2	-10.4
357.0	14.8	138	9.9	-11.0	10.7	136	7.4	-7.8	10.5	131	7.9	-6.9
381.0	3.9	128	3.0	-2.4	4.8	118	4.2	-2.3	4.9	73	4.7	1.4
405.0	5.8	86	5.8	.4	7.4	64	6.7	3.3	6.4	56	5.3	3.6
429.0	5.9	67	5.4	2.3	9.7	56	8.0	5.4	13.4	45	9.5	9.5
453.0	17.5	40	11.2	13.4	13.9	41	9.1	10.5	11.7	34	6.6	9.6
477.0	9.5	62	8.4	4.4	10.3	51	8.0	6.5	11.4	72	10.9	3.5
501.0	6.8	50	5.3	4.4	6.0	90	6.0	-0	2.7	96	2.7	-3
525.0	5.1	119	4.5	-2.5	5.9	129	4.6	-3.7	5.8	127	4.6	-3.5
549.0	5.1	166	1.2	-5.0	2.9	159	1.0	-2.7	6.5	182	-3	-6.5
573.0	6.3	165	1.6	-6.0	9.2	171	1.4	-9.1	7.1	177	.4	-7.1
597.0	7.4	158	2.8	-6.8	4.5	152	2.1	-4.0	8.3	159	3.0	-7.7
621.0	6.5	159	2.3	-6.0	8.3	164	2.3	-7.9	8.2	162	2.5	-7.8
645.0	10.6	145	6.1	-8.6	8.5	153	3.8	-7.6	10.7	135	7.5	-7.6
669.0	8.3	141	5.3	-6.4	13.2	141	8.3	-10.3	11.2	155	4.7	-10.2
693.0	13.0	144	7.6	-10.6	6.8	137	4.6	-5.0	8.8	127	7.0	-5.3
717.0	4.8	131	3.6	-3.1	10.7	138	7.2	-7.9	10.6	125	8.7	-6.1
741.0	12.2	119	10.6	-5.9	7.6	112	7.1	-2.8	5.9	95	5.9	-5
765.0	4.7	43	3.2	3.5	5.5	67	5.1	2.2	9.8	50	7.5	6.3
789.0	13.8	85	10.8	1.7	13.6	55	11.1	7.9	13.9	85	13.8	1.2
813.0	13.2	6	1.3	13.2	9.5	50	7.3	6.1	19.9	335	-8.3	18.1
837.0	8.9	64	7.9	3.9	12.1	320	-7.7	9.3	7.6	92	7.5	1.0
861.0	9.3	297	-8.3	4.3	8.2	79	8.0	1.6	5.8	295	-5.2	2.5
885.0	10.7	94	10.6	-7								

DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 OFFSHORE ARRAY

METER 354/03 AT DEPTH 29 METERS.

PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
21.0	11.2	184	-.7	-11.2	11.1	171	1.7	-11.0	12.5	185	-1.0	-12.5
45.0	12.9	178	.4	-12.9	16.0	187	-1.9	-15.9	14.9	183	-.8	-14.9
69.0	17.7	188	-2.5	-17.6	16.7	187	-1.9	-16.6	16.7	188	-2.4	-16.5
93.0	15.2	187	-1.9	-15.1	13.6	190	-2.3	-13.4	13.2	187	-1.7	-13.1
117.0	12.3	191	-2.4	-12.0	13.3	184	-.9	-13.3	12.8	187	-1.5	-12.7
141.0	15.3	184	-1.0	-15.3	14.0	187	-1.8	-13.9	15.5	188	-2.3	-15.3
165.0	13.0	188	-1.7	-12.9	15.4	186	-1.5	-15.3	15.7	182	-.6	-15.7
189.0	20.5	180	-.1	-20.5	20.2	180	.2	-20.2	23.9	170	4.0	-23.6
213.0	24.7	169	4.8	-24.2	28.9	165	7.3	-28.0	27.4	168	5.7	-26.8
237.0	25.6	170	4.7	-25.2	21.6	168	4.6	-21.1	21.0	175	2.0	-20.9
261.0	16.8	170	2.9	-16.5	17.4	178	.7	-17.4	13.8	168	2.8	-13.5
285.0	14.7	163	4.4	-14.0	11.7	156	4.7	-10.7	13.1	153	5.9	-11.6
309.0	11.0	163	3.2	-10.5	11.2	159	4.0	-10.4	11.9	169	2.2	-11.7
333.0	12.8	153	5.8	-11.4	14.3	156	5.8	-13.0	14.8	151	7.2	-12.9
357.0	14.7	158	5.4	-13.7	14.0	154	6.1	-12.6	13.5	160	4.6	-12.7
381.0	10.1	145	5.7	-8.3	6.6	153	3.0	-5.9	5.7	105	5.5	-1.5
405.0	4.0	117	3.6	-1.8	6.0	98	5.9	-.9	7.2	94	7.2	-.5
429.0	8.2	76	8.0	2.1	8.5	84	8.5	.8	10.4	57	8.7	5.7
453.0	9.7	69	9.1	3.4	11.2	53	9.0	6.8	9.2	61	8.0	4.5
477.0	6.9	59	5.9	3.5	4.9	78	4.8	1.0	3.9	99	3.8	-.6
501.0	4.8	118	4.2	-2.2	4.6	108	4.4	-1.4	4.2	142	2.6	-3.3
525.0	5.8	173	.7	-5.7	8.6	179	.2	-8.5	8.8	175	.8	-8.7
549.0	9.4	168	2.0	-9.2	7.8	170	1.4	-7.6	9.2	177	.5	-9.2
573.0	7.7	175	.6	-7.7	9.2	172	1.3	-9.2	8.0	174	.8	-7.9
597.0	8.5	168	1.8	-8.3	6.8	173	.8	-6.8	7.1	174	.8	-7.1
621.0	6.5	170	1.1	-6.4	7.9	168	1.7	-7.8	8.8	175	.7	-8.8
645.0	9.2	162	2.9	-8.8	8.1	184	-.6	-8.1	9.5	165	2.5	-9.2
669.0	9.1	176	.6	-9.1	11.6	162	3.7	-11.0	11.3	170	2.0	-11.1
693.0	12.1	164	3.4	-11.6	9.6	171	1.5	-9.5	10.7	170	1.9	-10.5
717.0	6.9	181	-.1	-6.9	7.8	180	.0	-7.8	5.8	172	.8	-5.8
741.0	5.1	156	2.0	-4.7								

DATA POINTS FOR PLOT ENTITLED.. 08/13/72 - 09/25/72 OFFSHORE ARRAY

METER 353/04 AT DEPTH 54 METERS.

PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
21.0	7.1	167	1.6	-7.0	8.0	174	.8	-8.0	3.8	180	.1	-3.8
45.0	8.8	172	1.3	-8.7	9.5	182	-.4	-9.5	9.3	175	.3	-9.3
69.0	10.2	192	-2.1	-10.0	10.5	185	-.9	-10.4	10.3	191	-1.9	-10.1
93.0	8.8	190	-1.5	-8.7	8.4	193	-1.9	-8.2	6.6	195	-1.8	-6.4
117.0	7.4	187	-.9	-7.4	7.2	184	-.5	-7.2	6.2	174	.6	-6.2
141.0	7.0	198	-2.1	-6.6	4.6	195	-1.2	-4.4	7.4	194	-1.8	-7.2
165.0	7.9	178	.2	-7.9	8.9	179	.2	-8.9	8.8	161	2.9	-8.3
189.0	12.0	159	4.3	-11.3	12.8	147	6.9	-10.8	16.9	161	5.4	-16.0
213.0	15.3	148	8.1	-13.0	19.3	164	5.3	-13.5	13.1	149	9.3	-15.4
237.0	20.9	148	11.2	-17.7	18.2	138	12.2	-13.5	16.2	147	8.7	-13.7
261.0	11.8	155	4.9	-10.7	11.7	162	3.7	-11.1	11.3	153	5.2	-10.1
285.0	9.4	137	6.5	-6.9	7.6	133	5.6	-5.1	6.7	118	5.9	-3.1
309.0	5.5	102	5.4	-1.1	8.1	106	7.8	-2.3	4.3	113	4.0	-1.7
333.0	8.1	123	6.8	-4.4	5.2	122	4.4	-2.7	10.9	115	9.8	-4.7
357.0	4.7	117	4.2	-2.1	9.4	126	7.6	-5.5	3.7	128	2.9	-2.3
381.0	7.9	114	7.2	-3.3	3.8	54	3.1	2.3	7.0	69	6.5	2.5
405.0	5.4	30	2.7	4.6	8.2	56	6.8	4.7	9.7	26	4.2	8.7
429.0	12.1	40	7.8	9.2	11.9	15	3.0	11.5	13.6	30	6.7	11.8
453.0	11.7	6	1.2	11.6	12.1	21	4.4	11.3	10.1	12	2.1	9.9
477.0	11.1	25	4.8	10.0	6.9	32	3.6	5.9	7.1	26	3.1	6.4
501.0	2.6	65	2.3	1.1	5.4	28	2.7	5.1	2.6	89	2.6	.0
525.0	3.2	93	3.2	-.2	6.5	132	4.9	-4.3	3.1	112	2.8	-1.2
549.0	4.2	107	4.1	-1.3	1.9	32	1.0	1.6	3.7	122	3.1	-2.0
573.0	3.2	128	2.5	-1.9	6.8	137	4.1	-4.4	5.7	159	2.0	-5.3
597.0	5.0	137	3.4	-3.7	4.5	158	1.7	-4.2	4.8	137	3.3	-3.5
621.0	5.7	148	3.0	-4.8	5.4	131	4.0	-3.5	5.1	150	2.6	-4.4
645.0	5.2	132	3.9	-3.5	4.4	162	1.4	-4.2	6.2	150	3.1	-5.4
669.0	3.4	169	.6	-3.3	4.6	178	.1	-4.6	4.5	169	.8	-4.4
693.0	3.7	146	2.1	-3.1	4.5	142	2.8	-3.6	2.7	104	2.6	-.6
717.0	2.6	138	1.7	-1.9	1.6	93	1.6	-.1	1.6	169	.3	-1.5
741.0	1.8	3	.1	1.8	1.8	90	1.0	.0	6.9	33	3.7	5.8
765.0	3.5	29	1.7	3.0	6.3	29	3.1	5.5	6.5	22	2.4	6.0
789.0	4.7	22	3.3	8.0	8.1	15	2.1	7.8	11.8	349	-2.3	11.6
813.0	11.9	341	-3.9	11.2	16.0	333	-7.3	14.2	9.3	338	-3.5	8.6
837.0	10.2	314	-7.4	7.1	4.5	344	-1.2	4.3	8.8	306	-7.2	5.1
861.0	3.2	330	-1.6	2.8	7.7	286	-7.4	2.2	2.7	317	-1.9	2.0
885.0	3.8	267	-3.8	-.2								

DATA POINTS FOR PLOT ENTITLED.. 08/18/72 - 09/25/72 OFFSHORE ARRAY

METER 350/04 AT DEPTH 109 METERS.

PLOT ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
21.0	9.3	325	-5.4	7.6	6.4	336	-2.6	5.8	7.1	324	-4.2	5.7
45.0	5.8	332	-2.7	5.1	4.4	335	-1.8	4.0	4.3	340	-1.5	4.0
69.0	4.3	316	-3.0	3.1	7.1	323	-4.3	5.6	7.2	331	-3.5	6.3
93.0	10.6	331	-5.2	9.3	12.1	327	-6.6	10.1	14.2	325	-8.1	11.7
117.0	12.7	321	-8.0	9.9	10.7	331	-5.2	9.4	8.0	329	-4.1	6.9
141.0	7.9	333	-3.6	7.1	9.7	321	-6.1	7.6	11.0	327	-6.0	9.2
165.0	10.0	329	-5.1	8.5	7.3	343	-2.1	6.9	2.5	333	-1.1	2.3
189.0	2.5	243	-2.2	-1.1	3.5	226	-2.5	-2.4	3.9	241	-3.4	-1.9
213.0	6.2	198	-2.0	-5.9	8.2	224	-5.6	-5.9	9.2	223	-6.3	-6.7
237.0	8.8	245	-8.0	-3.7	8.7	248	-8.0	-3.3	9.2	263	-9.1	-1.1
261.0	7.3	269	-7.3	-.1	7.9	282	-7.7	1.7	5.6	283	-5.5	1.3
285.0	6.9	323	-4.2	5.4	7.7	2	.3	7.7	9.8	359	-.2	9.8
309.0	9.3	6	1.0	9.2	6.5	343	-1.9	6.2	6.1	344	-1.7	5.9
333.0	7.3	332	-3.4	6.4	4.3	360	-.0	4.3	3.6	350	-.6	3.6
357.0	2.7	42	1.8	2.0	.5	303	-.4	.3	1.0	179	.0	-1.0
381.0	4.1	273	-4.1	.2	3.1	323	-1.9	2.5	5.6	334	-2.4	5.1
405.0	5.2	354	-.6	5.1	8.8	336	-3.6	8.0	10.4	349	-1.9	10.2
429.0	12.2	336	-5.1	11.1	13.6	340	-4.6	12.8	14.5	337	-5.7	13.4
453.0	16.2	343	-4.8	15.5	17.1	340	-5.9	16.0	19.8	345	-5.0	19.2
477.0	16.7	342	-5.1	15.9	16.9	346	-4.1	16.3	12.2	340	-4.2	11.5
501.0	11.8	338	-4.4	10.9	9.0	329	-4.6	7.7	9.3	334	-4.1	8.3
525.0	5.4	324	-3.1	4.3	5.4	327	-2.9	4.6	3.1	319	-2.0	2.3
549.0	5.0	326	-2.8	4.2	3.1	340	-1.0	2.9	4.6	324	-2.7	3.7
573.0	1.7	348	-.4	1.6	4.4	310	-3.4	2.9	3.9	336	-1.6	3.5
597.0	7.6	337	-3.0	7.0	6.8	347	-1.5	6.6	7.1	332	-3.3	6.2
621.0	4.4	329	-2.3	3.8	5.8	325	-3.3	4.8	3.8	337	-1.5	3.5
645.0	6.1	337	-2.4	5.6	4.3	352	-.6	4.3	6.4	334	-2.8	5.8
669.0	6.8	334	-3.0	6.1	7.0	340	-2.4	6.6	5.0	326	-2.8	4.2
693.0	4.7	336	-2.0	4.3	2.7	311	-2.0	1.7	3.7	324	-2.1	3.0
717.0	3.5	337	-1.4	3.2	5.2	333	-2.3	4.6	6.0	334	-2.7	5.4
741.0	8.0	335	-3.4	7.2	8.6	337	-3.4	8.0	10.9	348	-2.3	10.6
765.0	12.6	342	-3.9	11.9	12.5	336	-5.1	11.4	12.6	335	-5.4	11.4
789.0	12.6	332	-6.0	11.0	16.0	335	-6.7	14.5	19.8	335	-8.5	18.0
813.0	20.1	338	-7.7	18.6	22.0	337	-8.6	20.3	18.3	343	-5.3	17.5
837.0	17.7	339	-6.2	16.5	15.1	343	-4.5	14.4	15.1	342	-4.8	14.3
861.0	11.2	330	-5.5	9.7	11.1	327	-6.0	9.3	8.8	327	-4.8	7.4
885.0	10.5	337	-4.1	9.6								

DATA POINTS FOR PLOT ENTITLED.. J8/18/72 - 09/25/72 OFFSHORE ARRAY

METER 347/04 AT DEPTH 159 METERS.

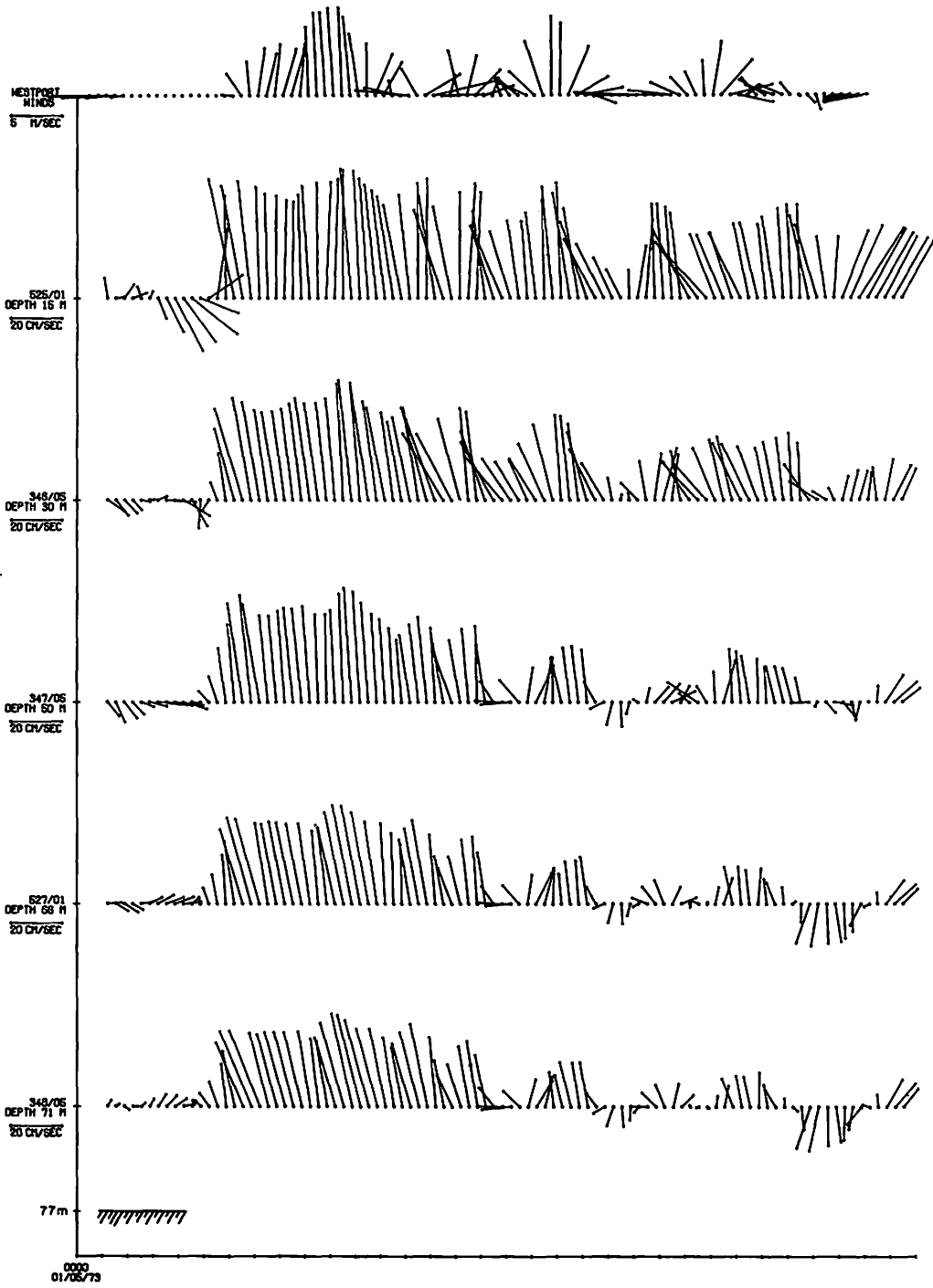
PLOT OPIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOJRS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
21.0	9.1	333	-4.2	8.1	7.7	330	-3.8	6.7	7.4	333	-3.4	6.6
45.0	7.0	331	-3.4	6.1	6.6	332	-3.1	5.8	6.1	323	-3.6	4.9
69.0	6.6	320	-4.3	5.0	7.4	325	-4.2	6.0	8.0	333	-3.6	7.1
93.0	8.9	335	-3.8	8.1	9.4	335	-3.9	9.5	10.3	333	-4.7	9.2
117.0	9.8	330	-4.9	8.5	9.8	329	-5.0	8.4	8.1	326	-4.6	6.7
141.0	7.5	324	-4.4	6.1	5.7	330	-2.8	4.9	4.7	339	-1.7	4.4
165.0	3.5	322	-2.2	2.8	5.0	321	-3.1	3.9	3.6	316	-2.5	2.6
189.0	1.9	299	-1.7	.9	3.1	183	-.2	-3.1	5.0	196	-1.3	-4.8
213.0	7.7	202	-2.9	-7.1	8.4	228	-6.2	-5.6	8.1	241	-7.0	-4.0
237.0	7.3	263	-7.2	-.9	7.4	276	-7.4	.7	8.7	283	-8.5	1.9
261.0	8.3	287	-8.0	2.5	7.5	290	-7.0	2.6	6.3	302	-5.3	3.4
285.0	5.7	347	-1.3	5.6	6.5	1	.2	6.5	7.9	5	.6	7.8
309.0	7.2	358	-.3	7.2	6.1	352	-.8	6.0	4.2	335	-1.8	3.8
333.0	5.1	331	-2.5	4.5	2.8	334	-1.2	2.5	2.9	335	-1.2	2.6
357.0	1.7	336	-.7	1.5	2.4	323	-1.5	1.9	2.4	306	-1.9	1.4
381.0	3.8	309	-3.0	2.4	4.0	325	-2.3	3.3	4.6	345	-1.2	4.4
405.0	5.5	349	-1.1	5.4	7.3	340	-2.6	6.6	9.1	339	-3.2	8.5
429.0	10.4	331	-5.0	9.1	11.4	335	-4.9	10.3	12.4	336	-4.9	11.3
453.0	13.0	338	-4.9	12.1	14.5	336	-5.9	12.3	15.6	341	-5.0	14.8
477.0	14.3	340	-4.9	13.4	12.9	341	-4.2	12.1	10.6	336	-4.3	9.6
501.0	9.3	332	-4.3	8.2	8.2	327	-4.4	6.9	7.7	329	-3.9	6.6
525.0	5.7	320	-3.7	4.4	5.8	322	-3.6	4.6	5.3	306	-4.3	3.1
549.0	5.5	323	-3.3	4.4	5.3	310	-4.1	3.4	5.1	328	-2.7	4.3
573.0	4.7	320	-3.0	3.7	4.8	335	-2.0	4.3	4.3	326	-2.4	3.6
597.0	5.0	338	-1.9	4.6	4.7	331	-2.3	4.1	5.5	333	-2.6	4.9
621.0	5.6	333	-2.5	5.0	5.2	333	-2.3	4.7	4.6	331	-2.2	4.0
645.0	4.4	335	-1.9	4.0	3.4	338	-1.3	3.2	4.4	343	-1.3	4.2
669.0	3.6	346	-.9	3.5	4.6	324	-2.7	3.7	5.1	305	-4.2	2.9
693.0	5.8	309	-4.5	3.7	4.3	311	-3.2	2.8	3.9	307	-3.1	2.3
717.0	2.3	305	-1.9	1.3	2.1	321	-1.3	1.7	2.4	338	-.9	2.2
741.0	4.4	329	-2.3	3.8	6.2	335	-2.7	5.6	8.2	335	-3.5	7.4
765.0	8.7	337	-3.4	8.0	9.8	338	-3.7	9.1	9.4	339	-3.4	8.7
789.0	10.8	337	-4.2	9.9	11.9	329	-6.2	10.2	15.6	334	-6.8	14.0
813.0	15.9	335	-6.8	14.4	16.8	342	-5.2	16.0	13.6	345	-3.6	13.1
837.0	13.5	339	-4.8	12.6	11.3	331	-5.4	9.9	10.6	332	-5.0	9.3
861.0	7.6	325	-4.4	6.2	7.4	333	-3.4	6.6	5.4	335	-2.2	4.9
885.0	4.8	357	-.3	4.8								

01/05/73 - 02/05/73 INSHORE ARRAY
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 6 HOURS



DATA POINTS FOR PLOT ENTITLED.. 11/05/73 - 02/05/73 INSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 1/05/73 0000

DATA FILTEPED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
	FROM				FROM				FROM			
12.0	4.1	89	-4.1	-.1	4.6	89	-4.6	-.1	4.4	87	-4.4	-.2
36.0	2.8	86	-2.8	-.2	1.2	83	-1.2	-.1	1.0	180	0.0	0.0
60.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0
84.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0
108.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0
132.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	1.1	95	-1.1	.1
156.0	2.6	145	-1.5	2.1	3.4	174	-.3	3.3	4.7	188	.7	4.7
180.0	4.2	193	1.0	4.1	5.0	186	.5	5.0	4.7	196	1.3	4.6
204.0	4.9	195	1.3	4.6	5.1	186	.5	5.0	6.7	177	-.3	6.7
228.0	9.2	177	-.4	8.1	8.2	176	-.6	8.2	8.6	176	-.6	8.6
252.0	8.7	177	-.4	8.6	7.7	174	-.7	7.7	6.1	171	-.9	6.0
276.0	5.1	179	-.1	5.1	4.4	202	1.7	4.0	7.7	209	1.8	3.3
300.0	1.5	167	-.3	1.4	3.7	102	-3.6	.8	5.3	96	-5.3	.5
324.0	3.0	149	-1.5	2.6	4.6	239	3.5	2.0	6.4	257	6.2	1.4
348.0	4.2	269	4.2	.1	2.1	194	.5	2.0	4.5	166	-1.1	4.4
372.0	4.0	193	.9	3.9	3.5	224	2.4	2.5	3.1	253	2.9	.9
396.0	1.5	202	.6	1.4	1.8	161	-.6	1.7	2.0	147	-1.1	1.7
420.0	2.3	129	-1.8	1.4	2.9	115	-2.6	1.2	3.4	133	-2.5	2.3
444.0	5.6	161	-1.8	5.3	7.7	180	-.1	7.7	7.1	181	.1	7.1
468.0	5.2	203	2.0	4.8	3.5	240	3.1	1.8	3.7	259	3.7	.7
492.0	2.3	291	2.1	-.8	.2	28	-.1	-.2	1.7	86	-1.7	-.1
516.0	3.9	92	-3.9	.2	5.2	93	-5.2	.3	5.7	92	-5.7	.2
540.0	5.5	91	-5.5	.1	5.6	90	-5.6	.0	4.9	90	-4.9	-.1
564.0	4.1	96	-4.1	.5	3.0	114	-2.8	1.2	2.4	137	-1.6	1.7
588.0	2.5	154	-1.1	2.2	3.4	176	-.2	3.4	5.3	189	.8	5.2
612.0	4.5	221	3.0	3.4	4.2	256	4.1	1.0	3.4	282	3.3	-.7
636.0	1.3	229	.9	.8	2.1	140	-1.4	1.6	2.8	121	-2.4	1.5
660.0	2.8	110	-2.7	1.0	2.4	115	-2.2	1.0	1.5	141	-.9	1.1
684.0	.2	317	.1	-.1	1.1	317	.7	-.8	1.5	341	.5	-1.5
708.0	.7	3	-.0	-.7	.7	59	-.6	-.4	1.2	80	-1.2	-.2
732.0	2.2	81	-2.2	-.4	3.4	78	-3.3	-.7	4.2	79	-4.1	-.8

ANEMOMETER
BROKEN

A-202

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/15/73 INSHORE ARRAY

METER 525/01 AT DEPTH 15 METERS.

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
29.0	8.0	359	-1.4	7.8	3.3	82	3.3	.4	6.5	35	3.7	5.3
53.0	5.8	69	5.4	2.1	4.8	341	-1.6	4.5	2.7	26	1.2	2.5
77.0	9.6	157	3.3	-8.0	14.8	153	6.8	-13.2	23.5	152	11.1	-20.7
101.0	21.3	144	12.6	-17.1	22.8	128	17.9	-14.1	16.1	111	15.0	-5.8
125.0	16.1	56	13.4	9.0	29.6	9	4.4	29.2	48.5	359	-4.4	40.5
149.0	48.0	348	-10.0	47.0	45.1	349	-8.3	44.3	46.5	354	-5.2	46.2
173.0	43.9	358	-1.4	43.9	41.2	358	-1.1	41.2	40.4	0	.1	40.4
197.0	38.5	1	.9	38.5	37.9	0	.3	37.9	40.8	358	-1.3	40.7
221.0	44.2	356	-3.0	44.1	45.4	359	-4.4	45.4	45.7	2	1.9	45.7
245.0	46.9	2	1.5	46.9	50.4	0	.0	50.4	51.1	355	-4.4	50.9
269.0	50.2	357	-2.4	50.1	47.2	356	-3.4	47.1	44.9	354	-4.7	44.7
293.0	42.7	353	-5.3	42.4	40.5	351	-6.4	39.9	37.3	349	-7.2	36.5
317.0	40.9	354	-4.4	40.6	45.2	360	-2.2	45.2	47.1	0	.3	47.1
341.0	40.7	351	-6.4	40.2	36.5	341	-11.6	34.6	36.7	348	-7.3	36.0
365.0	41.7	360	-4.0	41.7	45.2	4	2.8	45.1	41.7	2	1.7	41.6
389.0	34.5	352	-4.8	34.1	29.7	342	-9.0	28.3	29.3	337	-11.6	26.9
413.0	27.3	343	-8.1	26.1	30.5	352	-4.4	30.2	30.1	356	-2.2	30.0
437.0	33.6	353	-3.8	33.4	38.4	359	-.8	38.4	44.0	354	-4.3	43.8
461.0	45.3	358	-1.8	45.3	41.6	351	-6.6	41.1	35.5	351	-5.7	35.0
485.0	31.5	341	-10.2	29.8	25.9	332	-12.3	22.9	23.6	333	-10.7	21.0
509.0	17.2	335	-7.4	15.6	12.3	333	-5.6	10.9	10.8	358	-.3	10.8
533.0	20.5	9	3.4	20.2	30.6	5	2.6	30.5	36.8	358	-1.1	36.8
557.0	36.9	356	-2.3	36.9	35.7	356	-2.4	35.6	33.5	353	-3.9	33.2
581.0	29.7	332	-13.9	26.2	27.0	323	-16.2	21.6	26.3	318	-17.8	19.4
605.0	26.6	339	-9.6	24.8	26.5	337	-10.3	24.4	26.9	342	-8.5	25.5
629.0	29.0	334	-12.2	25.2	29.5	348	-6.0	28.9	30.0	347	-6.7	29.2
653.0	29.0	354	-3.1	28.8	32.1	351	-4.8	31.7	35.0	357	-2.0	34.9
677.0	36.5	357	-1.8	36.4	36.5	358	-1.0	36.5	32.8	347	-7.2	32.0
701.0	29.7	343	-8.5	28.5	24.1	352	-3.4	23.8	23.8	4	1.7	23.9
725.0	27.8	21	10.0	25.9	30.6	24	12.3	28.0	32.2	32	17.3	27.2
749.0	30.5	29	14.7	26.7	28.9	30	14.3	25.2	26.7	28	12.5	23.6
773.0	26.8	30	13.3	23.2	25.4	29	12.4	22.1				

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 INSHORE ARRAY

METER 346/05 AT DEPTH 30 METERS.

PLOT ORIGIN TIME 1/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
29.0	8.0	124	6.6	-4.5	7.8	142	4.8	-6.1	7.2	136	5.0	-5.2
53.0	5.2	138	3.5	-3.8	3.5	142	3.4	-0.8	1.9	86	1.9	.1
77.0	3.7	67	3.4	1.5	5.2	94	5.2	-0.4	8.2	96	8.1	-0.8
101.0	12.0	121	11.3	-6.2	11.9	150	6.0	-10.3	11.0	184	-0.7	-11.0
125.0	5.0	213	-2.8	-4.2	7.5	339	-2.7	7.0	18.6	351	-2.9	18.4
149.0	29.2	344	-7.8	28.2	37.6	343	-11.0	36.0	41.1	350	-7.3	40.5
173.0	39.3	350	-6.8	38.7	35.9	351	-5.4	35.5	35.2	351	-5.8	34.7
197.0	35.5	352	-5.0	35.1	36.2	353	-4.7	35.9	38.3	353	-4.8	38.0
221.0	40.7	352	-5.8	40.2	38.6	352	-5.5	38.2	38.6	354	-4.2	38.4
245.0	40.2	355	-3.7	40.0	46.2	357	-2.5	46.1	47.8	354	-5.2	47.5
269.0	46.7	355	-3.8	46.5	42.6	351	-6.6	42.1	39.5	352	-5.5	39.1
293.0	37.3	349	-7.4	36.5	34.9	352	-4.9	34.5	31.2	349	-5.7	30.7
317.0	33.5	348	-7.1	32.8	37.0	351	-6.1	36.5	38.0	345	-10.1	36.7
341.0	34.0	340	-11.6	31.9	30.8	328	-16.2	26.2	29.5	332	-13.9	26.0
365.0	33.3	345	-8.8	32.2	36.5	355	-3.4	36.3	35.1	353	-4.3	34.9
389.0	28.7	340	-9.7	27.0	26.2	330	-13.0	22.8	23.0	319	-14.9	17.4
413.0	19.9	326	-11.2	16.4	17.6	328	-9.3	15.0	16.8	335	-7.1	15.3
437.0	19.3	327	-10.5	16.2	24.3	335	-10.1	22.1	30.7	346	-7.7	29.7
461.0	33.6	356	-2.6	33.5	33.3	354	-3.7	33.1	31.2	352	-4.0	30.0
485.0	27.6	344	-7.5	26.6	22.2	333	-10.0	19.8	16.7	329	-8.6	14.3
509.0	8.7	349	-1.7	8.5	2.1	13	.5	2.1	2.8	354	-0.3	2.7
533.0	9.3	315	-6.5	6.6	15.4	350	-2.8	15.1	18.3	8	2.4	18.2
557.0	21.0	14	5.2	20.4	18.0	8	2.5	17.9	19.5	349	-3.7	19.1
581.0	18.1	325	-10.1	15.0	20.5	317	-14.0	15.0	19.8	319	-13.0	14.8
605.0	22.0	337	-8.5	20.3	24.3	347	-5.4	23.7	25.5	347	-5.7	24.9
629.0	24.7	334	-10.8	22.2	24.4	334	-11.6	22.0	22.3	340	-7.7	21.0
653.0	20.9	348	-4.2	20.5	23.2	349	-4.4	22.8	24.5	354	-2.7	24.3
677.0	26.3	357	-1.2	26.3	22.4	358	-0.9	22.4	16.9	325	-9.6	13.9
701.0	13.0	304	-10.7	7.3	6.1	302	-5.2	3.2	4.9	335	-2.1	4.5
725.0	9.5	13	2.2	9.2	11.9	13	2.7	11.5	11.5	15	3.0	11.1
749.0	10.6	7	1.3	10.5	12.6	352	-1.7	12.5	16.1	11	3.0	15.8
773.0	15.1	26	6.7	13.5	13.1	24	5.3	11.9				

A-204

DATA POINTS FOR PLOT ENTITLED.. 21/05/73 - 02/05/73 INSHORE ARRAY

METER 347/05 AT DEPTH 50 METERS.

PLOT ORIGIN TIME 21/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLCT CRIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
29.0	7.4	140	4.7	-5.7	8.8	155	3.7	-8.0	8.2	141	5.1	-6.4
53.0	6.6	136	4.6	-4.8	5.4	111	5.0	-1.9	7.1	104	6.8	-1.7
77.0	8.5	96	8.4	-.9	10.2	98	10.1	-1.4	15.1	98	10.0	-1.3
101.0	9.7	106	9.3	-2.7	4.6	106	4.4	-1.3	1.5	249	-1.4	-.5
125.0	6.0	317	-4.0	4.4	10.7	341	-3.5	10.1	21.7	352	-3.1	21.5
149.0	30.8	355	-2.6	30.7	39.5	351	-6.1	39.0	42.5	354	-4.6	42.2
173.0	39.1	350	-6.7	38.6	34.5	354	-3.4	34.3	34.4	355	-3.1	34.2
197.0	36.0	356	-2.8	35.9	37.4	354	-3.8	37.2	37.1	354	-3.8	36.9
221.0	38.0	356	-3.0	37.9	34.8	358	-1.3	34.7	34.7	359	-.6	34.7
245.0	36.4	357	-1.8	36.3	42.8	358	-1.8	42.8	45.2	356	-3.1	45.1
269.0	43.8	356	-2.9	43.7	39.4	356	-2.9	39.3	34.9	356	-2.2	34.9
293.0	32.9	356	-2.1	32.8	29.4	357	-1.7	29.3	24.9	355	-2.2	24.8
317.0	27.0	351	-4.2	26.7	31.1	353	-3.6	30.9	34.0	354	-3.5	33.8
341.0	29.5	357	-1.7	29.5	23.6	350	-4.2	23.3	20.7	340	-7.0	19.5
365.0	25.1	350	-4.4	24.7	29.1	355	-2.6	29.0	30.1	359	-.6	30.1
389.0	23.1	351	-3.6	22.8	10.0	327	-5.4	8.4	10.7	274	-10.6	.7
413.0	11.7	266	-11.7	-.9	11.6	319	-7.7	8.7	13.9	8	2.0	13.7
437.0	16.1	25	6.9	14.5	16.8	10	2.8	16.5	17.6	360	-.1	17.6
461.0	18.1	347	-4.0	17.6	21.9	353	-2.8	21.7	22.4	353	-2.6	22.2
485.0	21.0	354	-2.1	20.9	9.1	331	-4.4	8.0	5.9	243	-5.3	-2.7
509.0	9.3	194	-2.2	-9.0	9.8	177	.4	-9.7	4.8	195	-1.2	-4.6
533.0	2.2	304	-1.9	1.3	5.5	11	1.1	5.4	8.0	41	5.2	6.0
557.0	9.6	40	6.3	7.3	10.0	64	8.9	4.4	7.3	27	3.3	6.5
581.0	5.4	312	-4.0	3.6	14.2	304	-11.8	7.9	7.4	329	-3.9	6.4
605.0	12.2	357	-.7	12.2	17.1	16	4.6	16.5	21.1	357	-1.1	21.0
629.0	21.2	355	-1.8	20.1	18.6	350	-3.1	18.3	17.2	359	-.3	17.2
653.0	13.9	356	-.9	13.9	14.7	346	-3.6	14.2	14.5	346	-3.5	14.1
677.0	13.9	344	-3.8	13.4	9.9	348	-2.1	9.6	7.0	267	-6.9	-.4
701.0	2.0	207	-.9	-1.8	5.7	139	3.8	-4.3	7.4	101	7.2	-1.4
725.0	7.1	140	4.5	-5.5	7.1	165	1.8	-6.9	7.4	193	-1.7	-7.2
749.0	.2	140	.1	-.1	6.3	3	.4	6.3	12.7	33	6.8	10.7
773.0	12.0	48	8.9	8.1	8.7	51	6.8	5.4				

A-205

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 INSHORE ARRAY

METER 527/D1 AT DEPTH 66 METERS.

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
29.0	5.3	85	5.3	.3	5.6	123	4.7	-3.1	6.3	123	5.3	-3.4
53.0	4.9	127	4.2	-2.5	4.5	83	4.5	.6	5.5	63	4.9	2.5
77.0	7.1	61	6.1	3.4	7.2	69	6.7	2.6	7.8	69	7.3	2.8
101.0	7.0	83	5.9	.9	3.8	46	2.8	2.7	2.1	343	-.6	2.0
125.0	6.7	347	-2.3	6.3	11.9	349	-2.2	11.7	19.5	356	-1.4	19.5
149.0	25.2	351	-3.9	24.9	37.9	343	-9.0	29.5	35.5	344	-9.7	34.1
173.0	34.9	344	-9.7	33.6	32.5	351	-5.3	32.1	32.3	349	-6.1	31.7
197.0	33.2	349	-6.4	32.6	32.9	348	-6.9	32.2	32.3	349	-6.2	31.7
221.0	32.2	352	-4.7	31.8	29.1	355	-2.7	29.0	28.9	353	-3.4	28.7
245.0	31.2	347	-7.1	30.4	36.9	348	-7.6	36.2	39.7	349	-7.7	38.9
269.0	39.4	349	-7.5	38.7	36.8	349	-6.8	36.2	33.1	351	-5.0	32.7
293.0	32.0	357	-1.9	32.0	28.2	358	-1.0	28.2	23.9	359	-.5	23.9
317.0	26.0	353	-4.5	25.6	30.6	349	-5.7	30.1	33.8	350	-5.6	33.3
341.0	27.7	355	-2.4	27.6	19.3	349	-3.7	19.0	15.4	339	-5.6	14.3
365.0	19.5	346	-4.7	18.9	25.7	354	-2.8	25.6	27.0	356	-1.9	26.9
389.0	20.7	351	-3.2	20.5	8.7	325	-4.9	7.2	9.0	274	-9.0	.6
413.0	9.9	266	-9.9	-.7	9.8	319	-6.5	7.4	11.8	8	1.7	11.6
437.0	13.6	25	5.8	12.3	13.9	14	3.4	13.5	14.5	1	.2	14.5
461.0	12.0	354	-1.2	12.0	17.0	353	-2.1	16.9	17.3	356	-1.4	17.2
485.0	18.9	352	-2.7	18.7	7.7	332	-3.6	6.9	4.8	247	-4.4	-1.8
509.0	7.7	195	-2.0	-7.5	8.0	177	.4	-7.9	4.8	193	-1.1	-4.7
533.0	2.4	241	-2.1	-1.2	6.4	292	-5.9	2.4	8.5	323	-5.1	6.8
557.0	10.2	339	-3.7	9.5	7.5	24	3.0	6.9	6.3	66	5.7	2.5
581.0	1.4	179	.0	-1.4	3.1	295	-2.8	1.3	.7	18	.2	.7
605.0	6.8	11	1.3	6.7	10.8	18	3.3	10.3	15.0	347	-3.3	14.6
629.0	14.9	355	-1.3	14.8	13.6	357	-1.6	13.6	14.3	4	1.1	14.2
653.0	10.0	353	-1.1	10.0	9.2	338	-3.4	8.6	6.7	355	-.6	6.7
677.0	1.5	51	1.1	.9	7.1	181	-.1	-7.1	16.4	199	-5.3	-15.5
701.0	16.9	190	-2.9	-16.7	15.7	178	.6	-15.6	15.1	171	2.3	-14.9
725.0	13.7	177	.6	-13.7	10.9	179	.1	-10.9	9.5	207	-4.3	-8.5
749.0	2.3	244	-2.1	-1.0	4.6	307	-.3	4.6	11.7	36	6.6	9.4
773.0	11.4	46	8.3	7.9	8.2	44	5.7	5.9				

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 INSHORE ARRAY

METEP 348/05 AT DEPTH 71 METERS.

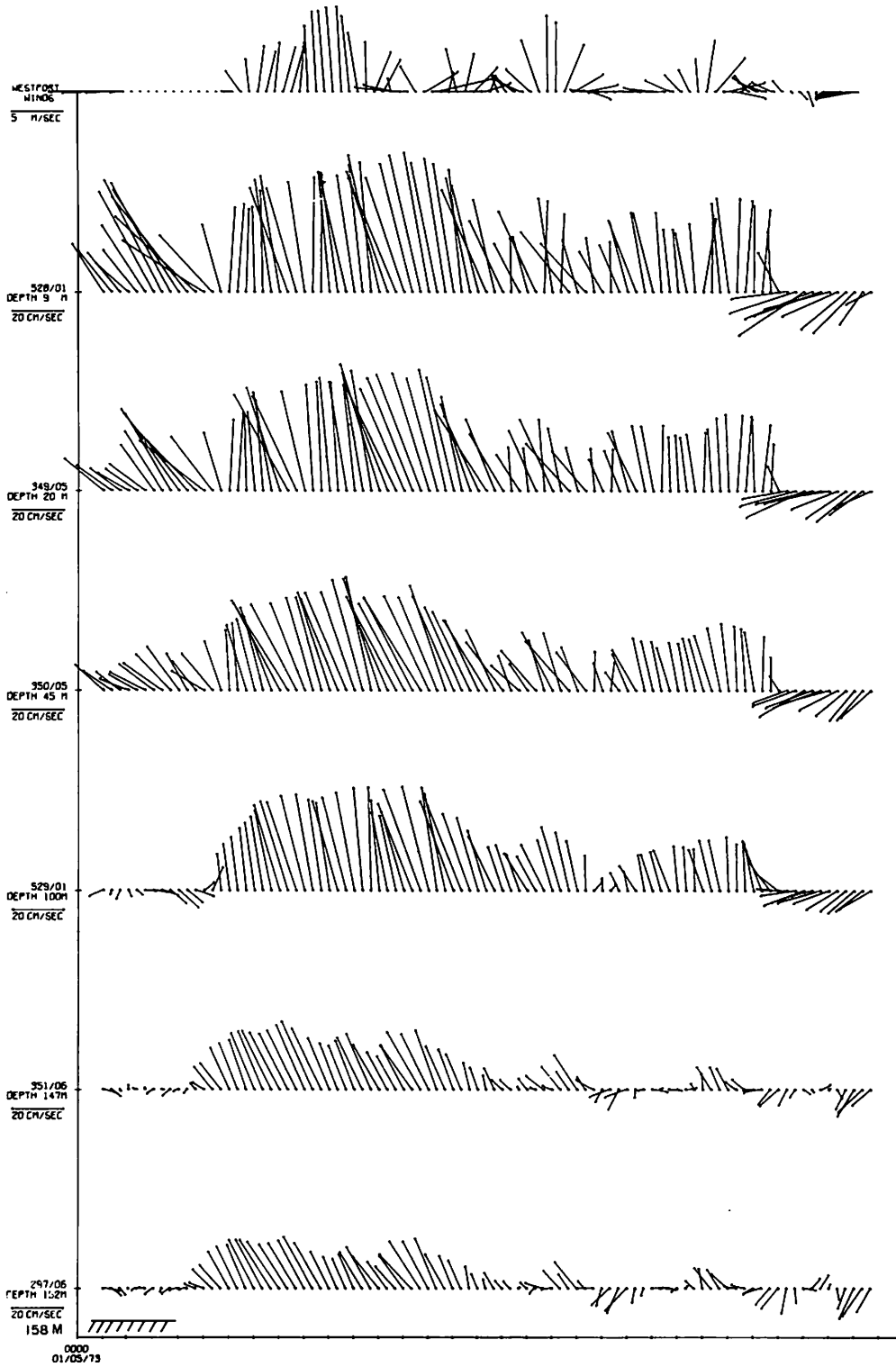
PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
29.0	2.7	31	1.4	2.3	1.5	59	1.3	.8	2.3	128	1.8	-1.4
53.0	1.8	92	1.8	-.1	2.1	49	1.5	1.4	3.3	29	1.6	2.9
77.0	5.5	32	3.0	4.7	5.7	42	3.9	4.2	5.3	55	4.4	3.1
101.0	4.3	80	4.3	.8	2.4	5	.2	2.4	3.0	316	-2.1	2.2
125.0	6.5	323	-3.9	5.2	10.1	340	-3.4	9.5	16.8	353	-1.9	16.7
149.0	22.3	347	-4.8	21.7	27.3	337	-10.7	25.1	32.1	337	-12.5	20.5
173.0	32.1	338	-12.0	29.8	29.8	346	-7.4	28.9	29.4	345	-7.8	28.3
197.0	30.2	345	-8.1	29.1	30.3	345	-7.8	29.3	30.0	346	-7.1	29.1
221.0	29.8	351	-4.8	29.4	26.8	353	-3.3	26.6	26.2	350	-4.4	25.8
245.0	28.4	343	-8.2	27.1	34.2	344	-9.4	32.9	37.3	347	-8.2	36.4
269.0	37.1	346	-9.2	35.9	35.2	344	-9.5	33.9	31.7	345	-8.3	30.6
293.0	31.1	348	-6.4	30.5	27.5	351	-4.4	27.1	23.6	349	-4.4	23.2
317.0	25.8	343	-7.5	24.7	30.1	345	-7.6	29.2	33.3	348	-6.8	32.6
341.0	27.4	355	-2.5	27.3	18.6	348	-3.9	18.2	14.1	334	-6.1	12.6
365.0	17.5	342	-5.3	16.7	24.1	350	-4.3	23.7	26.1	351	-4.3	25.7
389.0	20.8	348	-4.3	20.3	9.7	321	-6.1	7.5	9.9	272	-9.9	.3
413.0	11.6	265	-11.6	-1.0	9.0	313	-6.5	6.1	11.1	15	2.9	10.7
437.0	11.8	31	6.0	10.1	12.0	13	2.7	11.7	13.6	352	-1.8	13.4
461.0	12.7	346	-3.0	12.4	17.9	346	-4.2	17.4	17.5	351	-2.7	17.3
485.0	17.7	350	-3.0	17.5	6.6	324	-3.8	5.4	5.2	240	-4.5	-2.6
509.0	7.9	199	-2.6	-7.4	7.6	176	.6	-7.6	5.3	183	-.3	-5.3
533.0	3.0	221	-1.9	-2.3	6.4	271	-6.4	.1	7.8	315	-5.6	5.5
557.0	9.4	337	-3.6	8.6	9.3	13	2.0	9.1	6.5	44	4.5	4.6
581.0	.6	333	-.3	.6	1.1	257	-1.0	-.2	.7	136	.5	-.5
605.0	4.4	8	.6	4.3	8.4	10	1.5	8.3	11.7	338	-4.5	10.9
629.0	12.3	349	-2.3	12.1	12.2	347	-2.7	11.8	13.5	1	.2	13.5
653.0	8.8	350	-1.5	8.7	7.7	328	-4.1	6.5	3.3	359	-.0	3.3
677.0	2.4	131	1.8	-1.6	8.9	175	.8	-8.8	17.1	198	-5.4	-16.2
701.0	17.5	193	-3.8	-17.1	15.3	179	.3	-15.3	13.9	172	1.9	-13.8
725.0	12.9	181	-.3	-12.9	8.9	190	-1.6	-8.7	8.7	219	-5.5	-6.7
749.0	2.9	289	-2.8	.9	4.8	354	-.5	4.7	12.3	29	6.0	10.7
773.0	12.1	40	7.8	9.3	9.0	38	5.6	7.1				

01/05/73 - 02/05/73 OFFSHORE ARRAY
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 8 HOURS



DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 OFFSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	4.1	89	-4.1	-.1	4.6	89	-4.6	-.1	4.4	87	-4.4	-.2
36.0	2.8	86	-2.8	-.2	1.2	83	-1.2	-.1	0.0	180	0.0	0.0
60.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0
84.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0
108.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0
132.0	0.0	180	0.0	0.0	0.0	180	0.0	0.0	1.1	95	-1.1	.1
156.0	2.6	145	-1.5	2.1	3.4	174	-.3	3.3	4.7	188	.7	4.7
180.0	4.2	193	1.0	4.1	5.0	186	.5	5.0	4.7	196	1.3	4.6
204.0	4.8	195	1.3	4.6	5.1	186	.5	5.0	6.7	177	-.3	6.7
228.0	8.2	177	-.4	8.1	8.2	176	-.6	8.2	8.6	176	-.6	8.6
252.0	8.7	177	-.4	8.6	7.7	174	-.7	7.7	6.1	171	-.9	6.0
276.0	5.1	179	-.1	5.1	4.4	202	1.7	4.0	3.7	209	1.8	3.3
300.0	1.5	167	-.3	1.4	3.7	102	-3.6	.8	5.3	96	-5.3	.5
324.0	3.0	149	-1.5	2.6	4.0	239	3.5	2.0	6.4	257	6.2	1.4
348.0	4.2	269	4.2	.1	2.1	194	.5	2.0	4.5	166	-1.1	4.4
372.0	4.0	193	.9	3.9	3.5	224	2.4	2.5	3.1	253	2.9	.9
396.0	1.5	202	.6	1.4	1.8	161	-.6	1.7	2.0	147	-1.1	1.7
420.0	2.3	129	-1.8	1.4	2.9	115	-2.6	1.2	3.4	133	-2.5	2.3
444.0	5.6	161	-1.8	5.3	7.7	180	-.0	7.7	7.1	181	.1	7.1
468.0	5.2	203	2.0	4.8	3.5	240	3.1	1.8	3.7	259	3.7	.7
492.0	2.3	291	2.1	-.8	.2	28	-.1	-.2	1.7	86	-1.7	-.1
516.0	3.9	92	-3.9	.2	5.2	93	-5.2	.3	5.7	92	-5.7	.2
540.0	5.5	91	-5.5	.1	5.6	90	-5.6	.0	4.9	90	-4.9	-.0
564.0	4.1	96	-4.1	.5	3.0	114	-2.8	1.2	2.4	137	-1.6	1.7
588.0	2.5	154	-1.1	2.2	3.4	176	-.2	3.4	5.3	189	.8	5.2
612.0	4.5	221	3.0	3.4	4.2	256	4.1	1.0	3.4	282	3.3	-.7
636.0	1.3	229	.9	.8	2.1	140	-1.4	1.6	2.8	121	-2.4	1.5
660.0	2.8	110	-2.7	1.0	2.4	115	-2.2	1.0	1.5	141	-.9	1.1
684.0	.2	317	.1	-.1	1.1	317	.7	-.8	1.5	341	.5	-1.5
708.0	.7	3	-.0	-.7	.7	59	-.6	-.4	1.2	80	-1.2	-.2
732.0	2.2	81	-2.2	-.4	3.4	78	-3.3	-.7	4.2	79	-4.1	-.8

ANENOMETER
BROKEN

A-209

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 OFFSHORE ARRAY

METER 526/01 AT DEPTH 9 METERS.

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	22.8	327	-12.3	19.2	20.8	322	-12.9	16.3	20.2	321	-12.8	15.7
48.0	17.4	312	-12.9	11.6	21.5	322	-13.3	16.8	31.7	327	-17.1	26.7
72.0	45.6	332	-21.5	40.2	50.3	333	-22.8	44.8	49.7	332	-23.4	43.8
96.0	48.5	328	-25.9	40.9	48.3	322	-29.6	38.2	43.8	314	-31.6	30.3
120.0	38.2	303	-32.2	20.6	30.7	318	-20.7	22.7	28.0	345	-7.3	27.1
144.0	34.2	4	2.4	34.2	36.0	4	2.7	35.9	33.5	2	1.3	33.5
168.0	34.4	359	-0.8	34.4	40.8	359	-0.9	40.8	45.5	352	-6.4	45.0
192.0	47.3	351	-7.5	46.7	44.5	340	-15.0	41.9	43.3	344	-11.7	41.7
216.0	44.7	352	-6.4	44.2	46.1	1	.6	46.1	47.1	0	.4	47.1
240.0	48.4	355	-4.4	48.2	48.5	352	-6.8	48.0	49.0	347	-10.8	47.8
264.0	47.3	352	-6.9	46.8	51.3	354	-5.4	51.1	52.3	355	-4.4	52.1
288.0	56.4	347	-12.4	55.0	51.1	341	-16.3	48.4	49.5	338	-18.9	45.8
312.0	48.4	342	-15.3	46.0	53.1	346	-13.0	51.5	56.3	347	-12.5	54.9
336.0	56.8	350	-9.9	56.0	52.9	349	-10.4	51.9	54.3	351	-8.4	53.6
360.0	52.1	351	-8.1	51.5	49.5	354	-5.2	49.2	46.7	348	-9.6	45.7
384.0	44.1	346	-10.6	42.8	44.7	336	-17.8	40.9	38.2	347	-8.6	37.2
408.0	31.6	335	-13.4	28.6	21.6	359	-0.4	21.6	21.9	332	-10.2	19.4
432.0	23.1	345	-6.0	22.3	35.8	335	-15.0	32.5	36.8	2	1.5	36.7
456.0	38.1	352	-5.6	37.7	31.5	3	1.4	31.4	31.0	321	-19.4	24.2
480.0	21.8	344	-6.0	20.9	26.5	317	-18.0	19.5	22.1	352	-3.3	21.8
504.0	18.8	330	-9.3	16.3	20.1	359	-0.4	20.1	20.4	337	-7.9	18.9
528.0	28.6	346	-7.0	27.7	30.8	339	-10.9	28.8	32.4	351	-5.3	32.0
552.0	32.6	346	-7.7	31.6	32.1	356	-2.1	32.0	25.4	355	-2.4	25.2
576.0	25.3	355	-2.0	25.3	24.1	350	-4.3	23.7	27.6	356	-2.0	27.5
600.0	30.0	10	5.1	29.6	31.0	1	.6	31.0	35.9	355	-3.3	35.8
624.0	38.1	353	-4.6	37.8	37.6	2	1.4	37.6	37.0	5	2.9	36.8
648.0	34.8	0	.3	34.8	33.3	6	3.2	33.1	24.4	357	-1.1	24.4
672.0	17.9	333	-8.3	15.9	22.4	263	-22.2	-2.9	27.5	252	-26.1	-8.7
696.0	31.2	236	-25.8	-17.6	29.0	248	-26.8	-11.0	28.3	250	-26.5	-9.8
720.0	26.8	255	-25.8	-7.0	24.2	246	-22.1	-9.9	23.3	230	-17.9	-15.0
744.0	23.2	225	-16.4	-16.5	16.1	215	-9.3	-13.1	11.2	244	-10.1	-5.0

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 OFFSHORE ARRAY

METER 349/05 AT DEPTH 20 METERS.

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	19.9	309	-15.4	12.6	17.2	305	-14.0	10.0	14.7	307	-11.8	8.8
48.0	14.1	300	-12.2	7.1	15.1	305	-12.5	8.6	17.7	307	-14.2	10.6
72.0	22.4	324	-13.1	18.2	27.9	328	-14.8	23.6	35.6	330	-17.9	30.7
96.0	39.8	325	-22.9	32.5	39.7	321	-25.2	30.7	36.7	316	-25.5	26.4
120.0	32.3	308	-25.5	19.8	27.0	322	-16.5	21.4	24.2	344	-6.8	23.2
144.0	28.4	3	1.6	28.4	31.0	4	2.1	30.9	30.2	359	-7.7	30.2
168.0	31.6	355	-2.8	31.5	36.3	355	-2.9	36.2	40.0	350	-7.3	39.4
192.0	43.3	342	-13.2	41.3	43.9	331	-21.4	38.4	41.7	335	-17.5	37.8
216.0	40.8	347	-9.4	39.7	42.5	356	-2.9	42.4	43.7	357	-2.0	43.7
240.0	45.4	355	-4.1	45.2	43.6	356	-2.9	43.5	44.2	351	-7.0	43.6
264.0	42.6	354	-4.6	42.4	48.0	350	-8.2	47.3	48.9	350	-8.1	48.2
288.0	53.2	343	-15.7	50.8	46.7	338	-17.3	43.4	44.9	334	-19.6	40.4
312.0	44.5	337	-17.7	40.8	48.7	338	-18.3	45.1	49.9	339	-17.9	46.5
336.0	49.4	343	-14.8	47.1	46.7	345	-12.4	45.0	49.8	347	-10.8	48.6
360.0	46.8	346	-11.1	45.5	38.6	347	-8.4	37.6	36.5	341	-11.9	34.5
384.0	32.8	335	-13.8	29.8	38.6	327	-21.1	32.3	30.9	338	-11.8	28.5
408.0	26.4	329	-13.6	22.6	17.5	356	-1.4	17.5	17.2	327	-9.4	14.5
432.0	17.2	354	-1.9	17.1	26.4	335	-11.0	24.0	28.7	355	-2.3	28.6
456.0	31.5	335	-13.3	28.5	25.6	348	-5.3	25.1	25.6	317	-17.4	18.8
480.0	18.0	345	-4.8	17.4	20.8	319	-13.5	15.8	17.0	354	-1.7	16.9
504.0	13.7	336	-5.5	12.6	16.6	2	.7	16.6	17.2	339	-6.1	16.1
528.0	24.7	345	-6.4	23.9	25.8	334	-11.3	23.2	26.6	349	-5.1	26.1
552.0	26.3	349	-4.8	25.8	26.2	1	.6	26.2	21.7	358	-7.7	21.6
576.0	22.3	357	-1.2	22.3	21.5	353	-2.7	21.3	23.0	351	-3.5	22.7
600.0	23.4	2	.8	23.4	24.8	356	-1.8	24.8	29.2	357	-1.5	29.1
624.0	30.6	358	-1.3	30.6	30.2	4	2.0	30.2	29.9	4	2.3	29.8
648.0	28.6	358	-.8	28.6	26.6	7	3.1	26.4	18.8	3	1.0	18.8
672.0	11.0	335	-4.6	10.0	18.2	260	-17.9	-3.2	23.0	255	-22.2	-6.1
696.0	25.3	245	-23.0	-10.6	23.2	257	-22.6	-5.3	23.0	257	-22.5	-5.1
720.0	21.9	261	-21.6	-3.5	19.9	248	-18.5	-7.3	19.2	236	-15.9	-10.8
744.0	19.3	231	-15.0	-12.1	16.2	235	-13.2	-9.4	16.0	246	-14.6	-6.5

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 OFFSHORE ARRAY

METER 350/05 AT DEPTH 45 METERS.

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	15.0	312	-11.2	9.9	13.3	304	-11.1	7.4	11.8	307	-9.4	7.1
48.0	12.2	291	-11.4	4.4	12.6	299	-11.0	6.1	15.7	297	-13.9	7.1
72.0	17.1	307	-13.7	10.2	18.6	305	-15.3	10.6	19.6	316	-13.6	14.1
96.0	21.4	323	-12.7	17.2	16.7	330	-8.3	14.5	14.5	321	-9.1	11.3
120.0	14.8	300	-12.8	7.5	18.9	320	-12.2	14.5	20.5	341	-6.6	19.4
144.0	23.9	356	-1.5	23.9	26.8	355	-2.2	26.7	27.0	343	-7.8	25.9
168.0	29.1	346	-7.1	28.2	30.3	346	-7.6	29.3	35.1	339	-12.3	32.8
192.0	39.2	332	-18.3	34.6	42.3	328	-22.5	35.8	38.6	332	-18.1	34.1
216.0	37.2	338	-13.7	34.6	38.4	344	-10.7	36.9	39.5	344	-10.3	37.1
240.0	41.1	342	-12.9	39.0	39.3	338	-14.9	36.4	42.2	337	-16.5	38.9
264.0	41.3	341	-13.5	39.1	45.7	344	-12.3	44.0	46.4	347	-10.3	45.3
288.0	46.8	342	-14.5	44.4	40.8	336	-16.6	37.3	37.1	332	-17.6	32.7
312.0	39.0	332	-18.3	34.5	41.9	332	-19.6	37.1	43.4	328	-23.0	36.8
336.0	41.7	334	-18.2	37.6	40.2	337	-15.6	37.1	44.2	341	-14.4	41.8
360.0	41.0	336	-16.6	37.5	36.3	336	-15.0	33.0	34.7	334	-15.2	31.2
384.0	30.7	334	-13.4	27.7	32.9	328	-17.4	27.9	26.5	334	-11.5	23.9
408.0	24.1	322	-14.8	19.0	14.7	339	-5.2	13.7	15.0	311	-11.3	9.8
432.0	12.8	325	-7.3	10.5	20.9	318	-13.9	15.6	20.9	343	-6.3	20.0
456.0	26.2	332	-12.3	23.1	23.9	343	-7.0	22.8	26.1	318	-17.5	19.4
480.0	18.3	340	-6.4	17.1	19.1	322	-11.7	15.1	15.4	1	.2	15.3
504.0	11.5	341	-3.7	10.9	11.2	7	1.4	11.2	9.1	322	-5.6	7.2
528.0	15.6	337	-6.1	14.4	18.6	329	-9.5	16.0	21.3	347	-4.7	20.8
552.0	20.1	346	-4.7	19.6	19.8	348	-4.0	19.4	17.7	343	-5.1	17.0
576.0	19.5	349	-3.7	19.1	19.0	350	-3.3	18.7	21.3	347	-4.9	20.8
600.0	21.2	344	-5.8	20.4	23.1	343	-6.9	22.0	25.4	348	-5.1	24.9
624.0	26.9	354	-3.0	26.7	25.8	357	-1.3	25.8	24.7	356	-1.7	24.6
648.0	23.6	351	-3.7	23.3	21.4	2	.7	21.4	13.3	0	.0	13.3
672.0	6.9	327	-3.8	5.8	14.5	250	-13.7	-5.0	18.3	250	-17.2	-6.3
696.0	20.6	240	-17.7	-10.4	19.7	250	-18.5	-6.8	20.1	250	-18.9	-6.9
720.0	19.1	255	-18.4	-5.0	17.2	243	-15.3	-7.8	15.4	231	-11.9	-9.8
744.0	15.4	220	-9.9	-11.8	15.5	222	-10.3	-11.5	16.1	229	-12.1	-10.6

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 OFFSHORE ARRAY

METER 529/01 AT DEPTH 100 METERS.

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	6.0	246	-5.5	-2.4	1.9	201	-.7	-1.7	3.9	203	-1.5	-3.6
48.0	2.8	157	1.1	-2.6	2.9	132	2.2	-1.9	4.2	95	4.2	-.4
72.0	5.2	100	5.1	-.9	6.6	109	6.2	-2.1	8.2	131	6.2	-5.4
96.0	10.4	133	7.6	-7.1	7.8	130	5.9	-5.0	7.5	109	7.1	-2.5
120.0	5.0	50	3.8	3.2	10.1	23	4.0	9.2	14.7	354	-1.6	14.6
144.0	18.8	352	-2.5	18.6	21.5	353	-2.7	21.4	25.2	354	-2.7	25.1
168.0	27.5	352	-3.9	27.2	30.0	350	-5.0	29.6	32.7	348	-6.7	32.0
192.0	35.7	343	-10.2	34.2	37.4	343	-11.0	35.7	37.3	342	-11.7	35.4
216.0	39.2	346	-9.6	38.0	39.0	350	-6.9	38.4	36.8	352	-5.2	36.4
240.0	35.5	351	-5.5	35.1	37.2	344	-10.2	35.7	38.5	345	-9.7	37.2
264.0	39.9	349	-7.4	39.2	41.2	355	-3.7	41.1	41.4	358	-1.2	41.4
288.0	36.3	355	-3.4	36.2	31.7	348	-6.5	31.0	30.7	348	-6.6	30.0
312.0	32.8	344	-9.2	31.5	37.4	338	-13.8	34.7	43.1	340	-15.0	40.4
336.0	42.9	345	-10.8	41.5	41.6	351	-6.2	41.2	39.7	348	-8.5	38.8
360.0	38.2	339	-13.5	35.8	36.8	338	-13.8	34.0	32.7	340	-11.0	30.8
384.0	30.4	343	-8.6	29.1	25.2	342	-7.7	24.1	24.1	334	-10.6	21.6
408.0	18.6	341	-6.0	17.6	19.4	341	-6.2	18.4	15.4	341	-5.1	14.5
432.0	17.6	328	-9.4	14.9	15.7	331	-7.6	13.7	20.7	333	-9.3	18.5
456.0	21.2	343	-6.1	20.3	26.8	343	-7.8	25.6	24.0	347	-5.5	23.4
480.0	20.5	348	-4.4	20.0	14.2	358	-.4	14.2	5.0	41	3.2	3.8
504.0	5.0	359	-.1	5.0	3.3	39	2.1	2.6	7.9	335	-3.4	7.1
528.0	7.9	349	-1.5	7.8	11.9	327	-6.6	10.0	14.5	350	-2.5	14.3
552.0	15.3	342	-4.7	14.5	16.3	344	-4.4	15.7	17.4	339	-6.3	16.2
576.0	18.0	354	-1.8	17.9	17.7	356	-1.3	17.6	16.9	358	-.5	16.9
600.0	17.5	341	-5.8	16.5	20.8	346	-5.0	20.2	20.8	347	-4.5	20.3
624.0	21.7	358	-.9	21.7	18.9	359	-.2	18.9	20.0	357	-1.1	20.0
648.0	19.5	349	-3.8	19.1	17.7	339	-6.4	16.5	14.4	324	-8.5	11.6
672.0	12.2	309	-9.5	7.6	12.1	274	-12.1	.8	13.9	261	-13.7	-2.1
696.0	16.8	249	-15.7	-6.0	16.9	253	-16.2	-4.8	17.7	254	-17.0	-5.0
720.0	15.1	250	-14.1	-5.2	14.5	238	-12.3	-7.6	13.0	231	-10.0	-8.2
744.0	13.7	229	-10.3	-9.0	13.4	232	-10.6	-8.2	14.5	239	-12.5	-7.4

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 OFFSHORE ARPAY

METER 351/06 AT DEPTH 147 METERS.

PLOT ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	5.9	108	5.6	-1.8	4.6	130	3.6	-2.9	.8	159	.3	-.8
48.0	1.8	360	-.0	1.9	1.4	290	-1.3	.5	.8	348	-.2	.8
72.0	3.1	235	-2.6	-1.8	.8	103	.8	-.2	3.9	229	-3.0	-2.6
96.0	2.2	249	-2.1	-.8	2.2	218	-1.3	-1.7	3.2	322	-2.3	2.5
120.0	5.1	303	-4.3	2.9	11.6	322	-7.2	9.1	13.2	323	-8.0	10.5
144.0	19.4	336	-7.5	16.9	20.1	339	-7.3	18.7	21.1	341	-6.7	20.0
168.0	24.5	338	-9.3	22.7	25.4	337	-9.8	23.4	26.3	334	-11.5	23.6
192.0	25.9	332	-11.9	22.9	25.2	333	-11.5	22.5	26.4	334	-11.6	23.7
216.0	28.4	336	-11.4	26.0	30.2	335	-12.5	27.5	27.3	334	-11.8	24.6
240.0	22.5	337	-8.6	20.9	20.0	339	-7.2	18.6	19.0	339	-6.9	17.7
264.0	21.1	339	-7.5	19.7	23.2	334	-10.1	20.9	24.6	336	-9.9	22.5
288.0	20.9	330	-10.4	18.1	17.1	331	-8.2	15.0	15.4	331	-7.4	13.4
312.0	19.8	332	-9.2	17.5	22.0	325	-12.7	17.9	26.9	330	-13.4	23.2
336.0	25.0	334	-11.1	22.4	25.4	340	-8.6	23.9	19.1	336	-7.8	17.4
360.0	17.2	340	-5.9	16.1	15.6	336	-6.2	14.3	11.1	347	-2.5	10.8
384.0	9.4	340	-3.2	8.9	5.9	348	-1.2	5.8	9.6	335	-4.1	8.7
408.0	5.7	312	-4.2	3.8	5.7	312	-4.2	3.8	1.3	329	-.7	1.1
432.0	5.7	321	-3.6	4.4	2.1	291	-2.0	.7	9.0	308	-7.1	5.5
456.0	4.1	293	-3.7	1.6	12.0	321	-7.5	9.3	8.8	325	-5.0	7.3
480.0	16.7	327	-9.1	14.0	6.1	328	-3.3	5.2	8.1	299	-7.0	4.0
504.0	5.9	207	-2.7	-5.2	8.8	249	-8.2	-3.1	9.4	206	-4.1	-3.4
528.0	9.4	249	-8.8	-3.3	3.5	186	-.3	-3.4	2.2	258	-2.1	-.5
552.0	6.1	101	6.0	-1.1	.8	51	.7	.5	5.0	95	5.0	-.5
576.0	.4	143	.2	-.3	4.2	80	4.1	.8	2.8	332	-1.3	2.4
600.0	6.5	355	-.5	6.5	10.8	329	-5.6	9.2	9.9	337	-3.8	9.1
624.0	9.7	332	-4.5	8.6	5.3	307	-4.2	3.2	6.5	310	-4.9	4.1
648.0	4.0	267	-4.0	-.2	7.1	260	-7.0	-1.2	7.7	218	-4.7	-6.1
672.0	9.9	228	-7.3	-6.6	7.3	207	-3.2	-6.5	3.8	215	-2.2	-3.1
696.0	3.1	125	2.6	-1.8	1.4	145	.9	-1.1	4.4	62	3.9	2.1
720.0	.8	49	.6	.6	3.9	152	1.8	-3.5	9.9	206	-3.9	-8.0
744.0	12.7	211	-6.5	-10.9	13.2	226	-9.5	-9.1	9.6	229	-7.3	-6.3

DATA POINTS FOR PLOT ENTITLED.. 01/05/73 - 02/05/73 OFFSHOPE ARRAY

METER 297/06 AT DEPTH 152 METERS.

PLOT ORIGIN TIME 01/05/73 0000

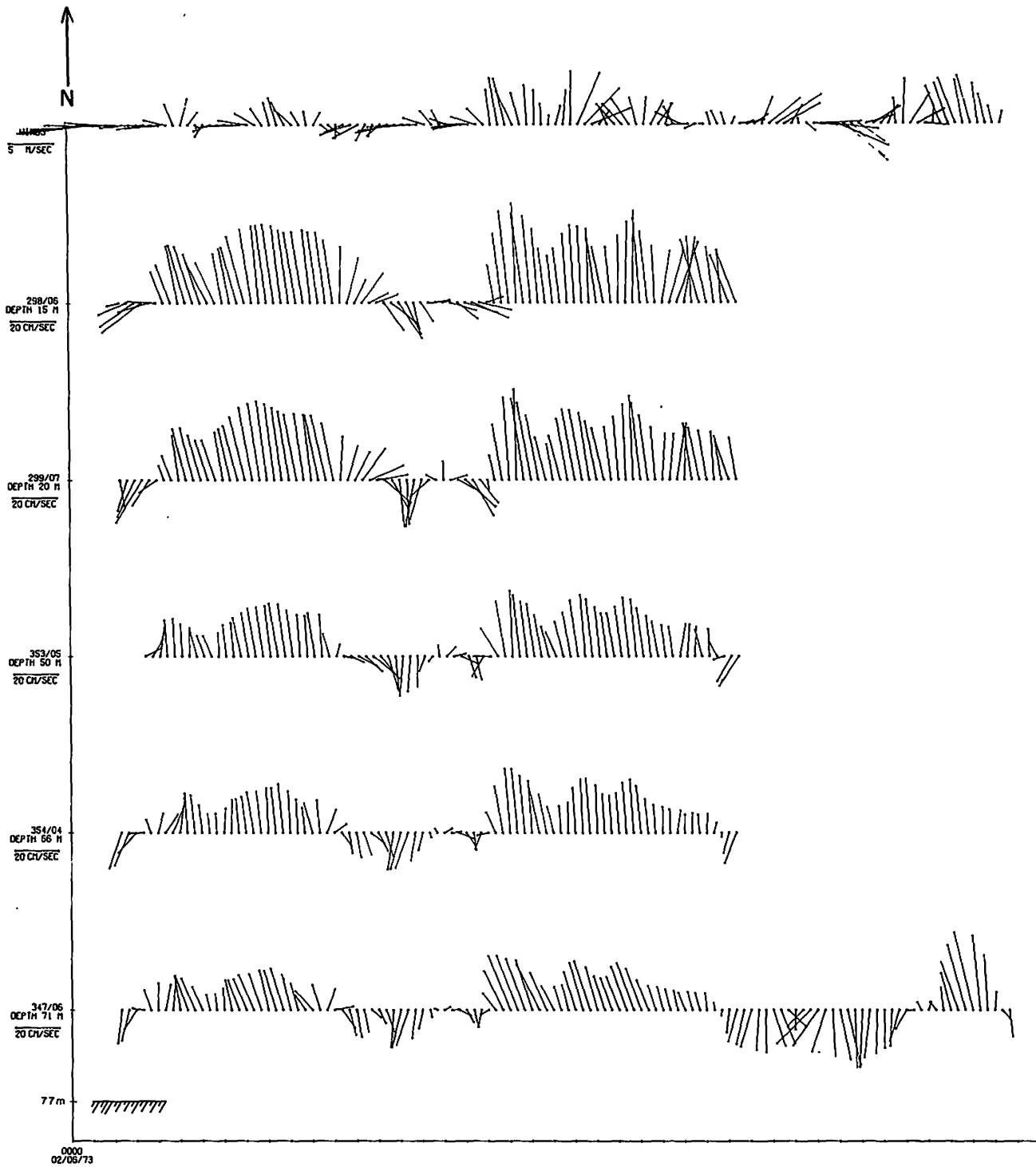
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
24.0	6.6	99	6.5	-1.1	4.9	127	3.9	-3.0	3.5	140	2.3	-2.7
48.0	.2	201	-.1	-.2	2.0	244	-1.8	-.9	2.2	279	-2.1	.3
72.0	4.0	233	-3.2	-2.4	1.6	200	-.5	-1.5	3.8	234	-3.1	-2.2
96.0	3.5	255	-3.4	-.9	2.8	257	-2.7	-.6	4.4	293	-4.0	1.7
120.0	5.9	291	-5.5	2.1	10.6	315	-7.5	7.4	12.1	319	-8.0	9.1
144.0	16.7	331	-8.1	14.6	18.6	334	-8.1	16.8	18.9	337	-7.3	17.4
168.0	21.8	333	-9.9	19.4	22.2	332	-10.5	19.5	23.0	328	-12.3	19.4
192.0	22.6	326	-12.6	18.7	20.8	327	-11.2	17.6	21.1	329	-10.9	18.1
216.0	21.9	332	-10.3	19.3	23.7	331	-11.4	20.8	21.2	330	-10.5	18.4
240.0	16.4	334	-7.3	14.7	13.8	336	-5.6	12.6	12.9	336	-5.2	11.8
264.0	15.0	336	-6.0	13.7	17.1	329	-8.9	14.6	19.2	330	-9.5	16.7
288.0	16.3	321	-10.2	12.7	13.1	324	-7.8	10.5	11.7	318	-7.8	8.7
312.0	15.9	323	-9.5	12.8	18.7	316	-12.9	13.6	22.5	327	-12.3	18.9
336.0	21.4	332	-10.1	18.8	21.8	337	-8.5	20.1	15.7	330	-7.8	13.6
360.0	14.1	338	-5.4	13.0	12.2	336	-5.0	11.1	8.8	351	-1.4	8.7
384.0	6.1	337	-2.3	5.6	3.7	346	-.9	3.5	7.1	329	-3.7	6.1
408.0	4.0	318	-2.7	3.0	3.8	316	-2.6	2.7	.5	68	.5	.2
432.0	3.4	312	-2.5	2.3	2.9	226	-2.1	-2.1	7.4	287	-7.0	2.1
456.0	4.0	260	-3.9	-.7	9.5	317	-6.5	6.9	6.7	326	-3.8	5.6
480.0	13.5	321	-8.6	10.5	3.9	317	-2.6	2.8	6.2	270	-6.2	-.0
504.0	7.3	196	-2.1	-7.0	10.0	227	-7.3	-6.8	11.0	204	-4.4	-10.0
528.0	12.4	223	-8.5	-9.0	6.0	192	-1.2	-5.9	3.0	198	-.9	-2.9
552.0	5.8	91	5.8	-.1	.8	82	.8	.1	3.0	103	2.9	-.7
576.0	2.5	238	-2.1	-1.3	1.2	42	.8	.9	4.3	312	-3.2	2.9
600.0	8.0	350	-1.4	7.9	10.4	322	-6.4	8.2	8.9	328	-4.7	7.5
624.0	8.5	313	-6.2	5.8	4.6	282	-4.5	.9	5.2	286	-5.0	1.4
648.0	4.4	239	-3.8	-2.3	7.4	252	-7.1	-2.3	8.5	220	-5.4	-6.5
672.0	10.4	219	-6.6	-8.1	10.3	191	-2.0	-10.1	5.8	176	.4	-5.8
696.0	5.0	100	4.9	-.9	5.1	40	3.3	3.9	6.3	32	3.4	5.3
720.0	1.8	23	.7	1.7	4.5	169	.9	-4.4	8.6	199	-2.8	-8.1
744.0	13.5	205	-5.7	-12.3	13.6	215	-7.7	-11.2	10.9	209	-5.3	-9.5

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02/06/73 - 03/20/73 INSHORE



DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/26/73 INSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	6.8	83	-6.8	-.9	7.0	83	-6.9	-.9	6.9	87	-6.9	-.4
36.0	6.2	91	-6.2	.1	4.7	94	-4.7	.3	3.7	93	-3.7	.2
60.0	3.1	90	-3.1	-.0	3.2	86	-3.2	-.2	3.0	87	-3.0	-.1
84.0	3.4	98	-3.4	-.1	3.8	84	-3.8	-.4	3.7	85	-3.6	-.3
108.0	2.5	103	-2.5	.6	2.6	158	-1.0	2.4	3.1	195	.8	3.0
132.0	1.8	216	1.1	1.5	.7	300	.6	-.3	1.5	36	-.9	-1.3
156.0	2.0	70	-1.8	-.7	2.4	83	-2.4	-.3	3.0	86	-3.0	-.2
180.0	3.4	87	-3.4	-.2	3.7	88	-3.7	-.1	3.2	99	-3.2	.5
204.0	2.6	121	-2.2	1.3	2.2	145	-1.3	1.8	2.6	166	-.6	2.5
228.0	3.2	163	-.9	3.0	2.9	151	-1.4	2.5	2.5	132	-1.8	1.7
252.0	1.7	149	-.9	1.4	1.5	168	-.3	1.5	1.6	208	.7	1.4
276.0	1.2	307	.9	-.7	1.7	309	1.3	-1.1	1.5	360	-.0	-1.5
300.0	2.2	68	-2.0	-.8	3.6	72	-3.4	-1.1	3.1	62	-2.8	-1.5
324.0	2.0	31	-1.0	-1.7	1.4	20	-.5	-1.3	1.9	50	-1.5	-1.2
348.0	3.3	75	-3.2	-.9	4.5	79	-4.4	-.9	5.0	82	-4.9	-.7
372.0	4.7	87	-4.7	-.3	4.0	87	-4.0	-.2	2.4	108	-2.3	.7
396.0	2.0	140	-1.3	1.5	1.8	153	-.8	1.6	1.9	110	-1.8	.7
420.0	2.5	82	-2.4	-.3	3.1	80	-3.1	-.5	3.2	91	-3.2	.1
444.0	2.9	107	-2.7	.9	2.5	134	-1.8	1.7	3.9	173	-.5	3.9
468.0	5.3	170	-.9	5.2	5.3	166	-1.3	5.2	4.2	154	-1.8	3.8
492.0	3.7	165	-1.0	3.5	4.4	176	-.3	4.4	3.8	179	-.1	3.8
516.0	2.3	177	-.1	2.3	1.0	184	.1	1.0	2.1	195	.6	2.1
540.0	3.8	185	.3	3.8	5.9	181	.1	5.9	6.2	204	2.5	5.7
564.0	5.6	225	3.9	4.0	4.6	248	4.3	1.8	1.9	216	1.1	1.5
588.0	1.9	155	-.8	1.8	3.0	138	-2.0	2.2	3.1	137	-2.2	2.3
612.0	3.4	145	-2.0	2.8	3.1	166	-.8	3.0	3.0	186	.3	3.0
636.0	3.0	209	1.4	2.6	2.8	215	1.6	2.3	2.3	195	.6	2.3
660.0	2.2	152	-1.1	2.0	3.1	115	-2.8	1.3	2.4	87	-2.4	-.1
684.0	1.2	68	-1.2	-.5	.4	89	-.4	-.0	1.3	164	-.4	1.3
708.0	1.6	155	-.7	1.4	1.3	162	-.4	1.2	.8	204	.3	.7
732.0	1.6	259	1.6	.3	2.0	258	2.0	.4	1.8	237	1.5	1.0
756.0	3.2	203	1.3	3.0	4.5	231	3.5	2.8	6.0	237	5.0	3.2
780.0	4.6	241	4.0	2.2	2.3	210	1.2	2.0	.6	168	-.1	.6
804.0	1.3	309	1.0	-.8	2.6	275	2.6	-.2	4.5	267	4.5	.2
828.0	5.6	277	5.6	-.6	6.4	293	5.9	-2.5	6.5	310	4.9	-4.2
852.0	5.3	315	3.7	-3.7	3.6	305	2.9	-2.0	3.1	255	3.0	.8
876.0	3.5	238	3.0	1.9	2.7	224	1.9	1.9	1.5	204	.6	1.4
900.0	2.8	175	-.2	2.8	5.0	182	.2	5.0	3.9	213	2.1	3.3
924.0	3.3	242	3.0	1.6	2.6	275	2.6	-.2	1.9	183	.1	1.9
948.0	4.4	158	-1.6	4.1	4.7	161	-1.5	4.5	5.4	159	-1.9	5.0
972.0	4.9	169	-.9	4.8	5.5	165	-1.5	5.3	4.5	172	-.6	4.4
996.0	3.3	167	-.8	3.2	1.9	165	-.5	1.8	1.3	191	.3	1.3

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DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 INSHORE ARRAY

METER 298/06 AT DEPTH 15 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
55.0	5.4	256	-5.2	-1.3	13.5	248	-12.5	-5.1	18.4	236	-15.1	-10.4
79.0	21.9	233	-17.6	-13.0	14.1	254	-13.6	-3.9	12.3	274	-12.3	.8
103.0	15.0	339	-5.4	14.0	18.1	340	-6.3	17.0	25.8	349	-5.0	25.3
127.0	26.9	344	-7.4	25.8	26.5	343	-7.9	25.3	22.9	341	-7.3	21.7
151.0	20.4	333	-9.3	18.1	19.8	335	-8.2	18.0	22.4	350	-4.0	22.1
175.0	24.7	349	-4.7	24.2	25.3	344	-6.9	24.8	30.7	345	-7.8	29.7
199.0	33.2	351	-5.1	32.8	34.5	355	-3.2	34.4	34.8	353	-4.5	34.5
223.0	35.3	352	-4.9	35.0	34.6	353	-4.2	34.4	32.8	352	-4.4	32.5
247.0	31.8	351	-5.2	31.4	32.2	351	-5.1	31.7	32.7	354	-3.6	32.5
271.0	31.9	352	-4.4	31.6	31.8	353	-4.1	31.5	29.4	352	-4.0	29.1
295.0	25.1	1	.4	25.0	20.4	15	5.2	19.8	11.4	27	5.2	10.2
319.0	16.2	36	9.7	13.1	9.5	64	8.5	4.2	10.2	69	9.5	3.7
343.0	15.2	144	8.9	-12.4	14.7	128	11.6	-9.0	19.4	147	10.6	-16.3
367.0	15.7	155	6.7	-14.2	12.1	167	2.7	-11.8	10.1	146	5.7	-8.3
391.0	2.3	93	2.3	-.1	6.5	79	6.4	1.2	3.4	76	3.3	.8
415.0	12.4	107	11.9	-3.5	11.7	128	9.2	-7.3	15.3	107	14.7	-4.4
439.0	17.8	112	16.5	-6.8	14.8	103	14.4	-3.2	7.9	72	7.5	2.5
463.0	16.9	350	-3.0	16.6	31.0	353	-3.9	30.8	40.9	354	-4.5	40.6
487.0	44.4	358	-1.9	44.3	40.1	352	-5.4	39.7	38.8	355	-3.6	38.7
511.0	33.0	355	-2.7	32.9	24.1	353	-3.1	23.9	21.0	354	-2.3	20.8
535.0	24.5	353	-3.0	24.3	30.7	356	-2.0	30.6	34.7	357	-2.1	34.7
559.0	33.9	357	-1.3	33.9	32.8	358	-1.1	32.8	28.7	352	-4.1	28.4
583.0	25.4	348	-5.2	24.9	25.0	354	-2.5	24.9	29.9	360	-.0	29.9
607.0	36.1	1	.8	36.1	40.9	1	.4	40.9	37.5	355	-3.1	37.4
631.0	31.8	354	-3.4	31.7	25.2	357	-1.3	25.1	23.4	9	3.6	23.1
655.0	23.9	16	6.5	23.0	28.5	20	9.7	26.8	29.3	10	5.1	28.8
679.0	29.3	356	-2.1	29.3	29.0	344	-8.1	27.8	26.1	348	-5.6	25.5
703.0	24.9	352	-3.4	24.7	23.5	355	-1.9	23.4	22.4	339	-8.1	20.9
727.0	23.1	339	-8.3	21.6								

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 INSHORE ARRAY

METER 299/07 AT DEPTH 20 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
55.0	12.0	170	2.0	-11.8	14.5	198	-4.4	-13.8	18.4	206	-7.9	-16.6
79.0	22.5	211	-11.7	-19.2	13.9	214	-7.7	-11.5	9.7	235	-7.9	-5.6
103.0	6.8	339	-2.4	6.4	11.8	339	-4.2	11.0	20.2	352	-2.9	20.0
127.0	23.8	345	-6.1	23.0	24.1	346	-6.0	23.4	20.9	344	-5.7	20.0
151.0	18.8	342	-5.8	17.9	18.9	341	-6.1	17.9	21.7	350	-3.6	21.4
175.0	23.6	347	-5.3	23.0	25.1	345	-6.4	24.3	29.1	346	-6.8	28.3
199.0	33.1	349	-6.1	32.5	34.6	351	-5.2	34.2	35.7	352	-4.7	35.4
223.0	34.5	353	-4.3	34.2	32.8	352	-4.5	32.5	31.2	351	-5.0	30.8
247.0	29.8	349	-5.6	29.3	30.1	352	-4.4	29.8	29.4	353	-3.5	29.2
271.0	29.6	348	-6.1	29.0	29.7	347	-6.7	29.0	26.0	348	-5.2	25.4
295.0	19.6	3	1.1	19.5	16.0	16	4.5	15.3	14.2	27	6.6	12.6
319.0	17.5	36	10.3	14.2	16.4	67	15.0	6.5	13.8	80	13.6	2.3
343.0	15.5	132	11.6	-10.3	15.0	151	7.3	-13.2	21.2	174	2.0	-21.1
367.0	19.9	177	.9	-19.9	21.4	191	-4.0	-21.0	18.6	196	-5.2	-17.8
391.0	11.2	228	-8.2	-7.5	5.1	296	-4.6	2.3	8.3	358	-.3	8.3
415.0	7.6	74	7.3	2.1	10.7	119	9.3	-5.2	18.3	132	13.6	-12.2
439.0	18.7	150	9.4	-16.1	13.3	142	8.2	-10.5	4.4	171	.6	-4.3
463.0	11.3	347	-2.4	11.0	25.3	350	-4.4	24.9	37.0	356	-2.8	36.9
487.0	40.6	358	-1.2	40.6	36.8	351	-5.7	36.4	35.0	349	-6.5	34.4
511.0	29.4	349	-5.7	28.9	19.5	346	-4.9	18.9	16.4	350	-3.0	16.1
535.0	20.5	345	-5.2	19.8	27.8	349	-5.1	27.3	32.0	349	-5.9	31.4
559.0	31.8	349	-5.8	31.3	30.3	351	-4.8	29.9	26.8	348	-5.3	26.3
583.0	23.8	346	-5.6	23.1	23.8	352	-3.2	23.6	28.2	355	-2.4	28.1
607.0	33.8	358	-1.4	33.8	37.6	357	-1.7	37.6	34.5	353	-4.1	34.3
631.0	29.1	352	-4.0	28.8	23.7	355	-2.0	23.7	20.9	4	1.3	20.8
655.0	20.6	5	1.8	20.5	23.9	8	3.5	23.6	25.1	2	.8	25.1
679.0	25.4	351	-4.0	25.0	23.8	348	-5.0	23.3	22.2	350	-3.7	21.9
703.0	21.4	356	-1.5	21.4	19.6	350	-3.3	19.4	18.9	341	-6.3	17.9
727.0	19.1	358	-3.3	18.8								

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 INSHORE APPRAY

METER 353/05 AT DEPTH 50 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
82.0	7.9	61	6.9	3.8	8.0	30	4.1	7.0	13.1	8	1.9	13.0
106.0	16.5	355	-1.4	16.5	17.2	357	-.8	17.2	14.7	357	-.8	14.7
130.0	13.1	0	.0	13.1	11.2	345	-2.8	10.9	10.0	341	-3.2	9.4
154.0	10.1	338	-3.8	9.3	10.9	358	-.4	10.9	14.4	353	-1.7	14.3
178.0	15.4	355	-1.4	15.4	17.9	348	-3.7	17.5	19.9	351	-3.2	19.6
202.0	22.0	350	-3.7	21.7	22.6	352	-3.2	22.4	23.1	353	-2.7	23.0
226.0	24.4	350	-4.1	24.0	24.0	352	-3.4	23.7	21.1	353	-2.7	20.9
250.0	19.1	356	-1.4	19.0	18.4	356	-1.2	18.3	20.0	351	-3.2	19.7
274.0	19.1	356	-1.2	19.0	10.6	344	-2.9	10.2	5.5	14	1.3	5.3
298.0	3.5	99	3.4	-.6	6.0	116	5.4	-2.7	9.0	118	7.9	-4.3
322.0	9.9	133	7.2	-6.8	11.0	129	8.6	-6.9	12.9	141	8.2	-10.0
346.0	14.9	163	4.3	-14.3	15.5	175	1.5	-15.4	17.8	185	-1.4	-17.7
370.0	15.8	185	-1.2	-15.7	13.6	180	-.1	-13.6	7.2	201	-2.6	-6.7
394.0	2.9	219	-1.8	-2.2	5.0	352	-.7	4.9	5.7	43	3.8	4.2
418.0	5.3	77	5.2	1.2	8.4	115	7.6	-3.6	10.1	161	3.3	-9.6
442.0	10.7	167	2.4	-10.4	10.2	210	-5.1	-8.8	7.8	270	-7.8	.0
466.0	14.9	328	-7.9	12.7	25.2	350	-4.3	24.9	29.8	358	-1.3	29.8
490.0	28.0	354	-3.1	27.8	25.1	353	-3.1	24.9	24.1	351	-3.6	23.8
514.0	18.9	350	-3.4	18.6	14.1	345	-3.6	13.6	11.8	337	-4.7	10.9
538.0	16.1	345	-4.1	15.6	20.1	349	-3.8	19.7	25.6	352	-3.7	25.4
562.0	29.0	355	-2.4	27.9	26.2	353	-3.1	26.0	22.3	354	-2.3	22.2
586.0	19.6	352	-2.8	19.4	19.9	350	-3.5	19.6	22.8	352	-3.1	22.5
610.0	26.8	354	-3.0	26.6	25.9	354	-2.6	25.8	22.0	352	-3.1	21.8
634.0	18.5	353	-2.2	18.4	16.0	349	-3.0	15.8	14.3	353	-1.9	14.2
658.0	13.7	352	-1.9	13.5	14.9	10	2.5	14.6	14.6	4	1.0	14.6
682.0	13.5	3	.6	13.5	12.5	345	-3.3	12.0	12.5	357	-.6	12.5
706.0	6.7	332	-3.2	5.9	5.1	252	-4.8	-1.6	13.2	210	-6.6	-11.4
730.0	16.1	214	-8.9	-13.4								

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 INSHORE ARRAY

METER 354/04 AT DEPTH 66 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
55.0	16.8	200	-5.7	-15.8	15.9	204	-6.5	-14.5	12.1	223	-8.2	-8.9
79.0	6.2	268	-6.2	-.2	6.4	339	-2.3	6.0	9.0	15	2.3	8.7
103.0	10.1	34	5.7	8.3	11.6	24	4.7	10.6	15.7	8	2.2	15.5
127.0	18.0	356	-1.2	18.0	17.3	354	-1.8	17.2	12.7	353	-1.5	12.7
151.0	8.6	355	-.8	8.6	8.7	357	-.5	8.7	11.0	4	.7	10.9
175.0	14.9	1	.2	14.9	15.4	355	-1.3	15.4	16.5	353	-2.1	16.3
199.0	18.7	351	-3.0	18.5	19.0	354	-2.1	18.9	20.4	358	-.9	20.4
223.0	20.6	354	-2.0	20.5	22.4	354	-2.2	22.3	18.9	357	-1.0	18.9
247.0	15.3	357	-.9	15.3	11.3	353	-1.4	11.2	13.9	344	-3.8	13.3
271.0	14.9	355	-1.4	14.8	11.1	21	4.0	10.3	6.6	54	5.3	3.9
295.0	7.2	144	4.3	-5.8	9.3	171	1.5	-9.1	11.1	170	2.0	-11.0
319.0	10.4	161	3.4	-9.8	7.3	129	5.7	-4.6	9.1	153	4.2	-8.1
343.0	10.8	163	3.2	-10.4	16.6	189	-2.7	-16.4	16.8	196	-4.7	-16.1
367.0	16.6	200	-5.9	-15.6	12.5	190	-2.1	-12.3	8.0	194	-1.9	-7.8
391.0	2.1	163	.6	-2.0	2.1	329	-1.1	1.8	3.8	58	3.2	2.0
415.0	4.2	83	4.2	.5	6.8	112	6.4	-2.5	6.6	145	3.8	-5.5
439.0	7.7	172	1.1	-7.6	7.7	200	-2.7	-7.2	5.3	258	-5.2	-1.1
463.0	10.1	335	-4.3	9.2	21.6	350	-3.8	21.3	29.4	355	-2.4	29.3
487.0	29.3	355	-2.7	29.2	26.1	355	-2.4	26.0	23.8	356	-1.8	23.8
511.0	22.0	347	-4.9	21.5	17.7	348	-3.6	17.3	12.2	346	-3.0	11.8
535.0	12.1	356	-.9	12.1	13.7	359	-.1	13.7	20.4	356	-1.3	20.3
559.0	24.3	358	-1.0	24.3	24.9	355	-2.0	24.9	21.6	358	-.8	21.6
583.0	17.6	357	-1.1	17.6	17.0	356	-1.2	17.0	18.0	355	-1.5	18.0
607.0	22.9	356	-1.8	22.8	24.4	356	-1.7	24.3	21.5	354	-2.2	21.3
631.0	15.4	354	-1.6	15.3	12.6	356	-1.0	12.6	11.7	359	-.1	11.7
655.0	10.7	359	-.2	10.7	10.1	8	1.4	10.0	8.3	0	.1	8.3
679.0	8.9	1	.1	8.9	8.3	355	-.7	8.2	8.7	2	.3	8.7
703.0	4.7	13	1.1	4.5	1.8	184	-.1	-1.8	9.5	196	-2.6	-9.1
727.0	14.5	201	-5.3	-13.5								

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 INSHORE ARRAY

METER 347/16 AT DEPTH 71 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 3 HOURS.

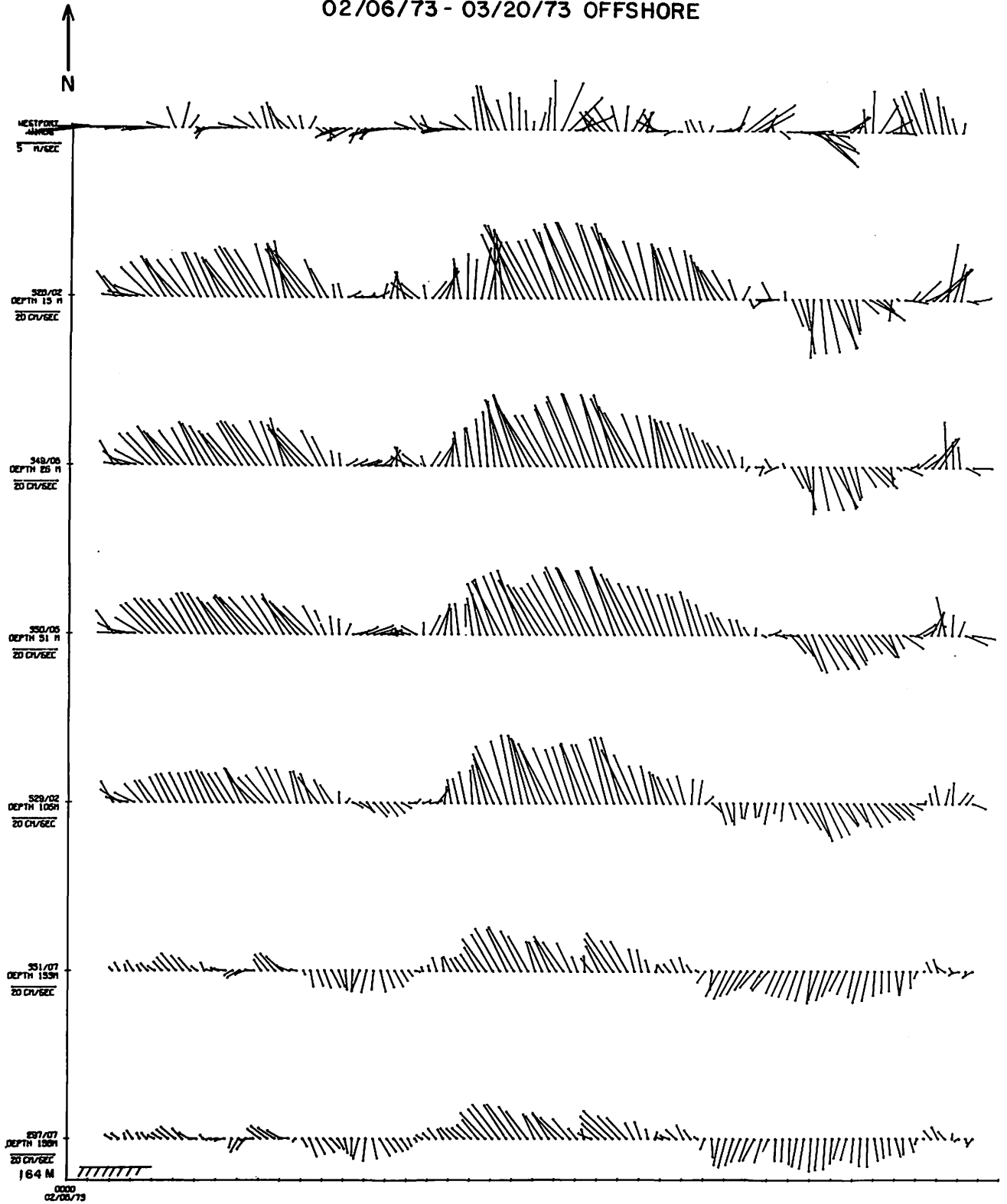
TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
55.0	15.0	187	-2.0	-14.8	14.2	194	-3.5	-13.8	10.2	213	-5.6	-8.5
79.0	5.2	290	-5.2	.9	9.6	341	-3.2	9.0	12.3	0	.0	12.3
103.0	11.8	11	2.2	11.6	12.3	6	1.2	12.3	15.1	350	-2.6	14.9
127.0	16.6	340	-5.7	15.6	15.5	336	-6.3	14.2	11.5	336	-4.7	10.5
151.0	7.2	346	-1.8	6.9	7.4	352	-1.1	7.3	9.8	356	-.7	9.8
175.0	13.8	347	-3.1	13.5	14.4	339	-5.2	13.4	15.2	337	-6.0	14.0
199.0	17.3	336	-7.0	15.8	17.3	341	-5.6	16.3	18.4	347	-4.2	17.9
223.0	18.5	343	-5.4	17.7	19.8	343	-5.9	18.9	16.4	346	-4.1	15.9
247.0	12.6	344	-3.4	12.1	8.1	325	-4.6	6.6	11.9	318	-8.0	8.8
271.0	12.1	343	-3.6	11.5	10.0	20	3.4	9.4	8.4	79	8.3	1.6
295.0	9.9	144	5.8	-9.0	11.6	166	2.9	-11.2	12.3	170	2.1	-12.2
319.0	9.9	158	2.1	-9.7	5.4	130	4.1	-3.4	6.6	153	3.0	-5.9
343.0	10.6	159	3.8	-9.9	16.7	184	-1.2	-16.6	17.3	194	-4.1	-16.8
367.0	16.6	199	-5.4	-15.7	12.3	188	-1.7	-12.7	8.6	193	-1.9	-8.4
391.0	3.3	167	.7	-3.2	1.5	295	-1.3	.6	2.8	61	2.4	1.3
415.0	3.0	86	3.0	.2	5.6	117	5.0	-2.5	6.4	150	3.2	-5.5
439.0	7.9	166	2.0	-7.7	7.7	196	-1.3	-7.6	4.3	238	-3.6	-2.2
463.0	9.7	321	-6.1	7.5	19.7	334	-8.7	17.6	26.5	337	-10.2	24.5
487.0	26.4	338	-9.8	24.5	24.8	339	-8.8	23.2	23.7	341	-7.6	22.5
511.0	22.9	333	-10.5	20.4	18.6	335	-7.8	16.9	12.4	332	-5.9	10.9
535.0	11.0	343	-3.3	10.5	11.6	345	-3.0	11.2	18.2	342	-5.6	17.3
559.0	22.5	344	-6.3	21.6	23.2	341	-7.4	22.0	20.1	344	-5.5	19.4
583.0	16.1	342	-5.1	15.3	15.4	340	-5.3	14.4	16.2	338	-6.0	15.0
607.0	20.9	340	-7.2	19.7	22.7	346	-7.9	21.3	20.0	339	-7.1	18.8
631.0	14.6	338	-5.5	13.5	11.7	342	-3.6	11.1	10.8	345	-2.8	10.4
655.0	9.8	345	-2.5	9.5	8.9	347	-2.0	8.6	8.5	338	-3.2	7.9
679.0	8.7	345	-2.3	8.3	8.6	344	-2.2	7.7	7.7	352	-1.1	7.6
703.0	3.3	350	-.5	3.3	2.5	188	-.3	-2.5	10.0	187	-1.3	-9.9
727.0	14.6	195	-3.8	-14.1	15.8	193	-3.4	-15.4	17.2	196	-4.9	-16.5
751.0	18.1	183	-1.1	-18.0	19.1	180	.1	-19.1	17.0	161	5.4	-16.1
775.0	16.3	157	6.4	-15.0	10.7	132	7.9	-7.2	8.8	131	-.2	-8.8
799.0	10.2	224	-7.1	-7.3	21.4	225	-15.2	-15.1	19.6	215	-11.3	-16.1
823.0	19.8	198	-6.0	-18.8	21.0	177	1.3	-20.9	23.2	168	4.9	-22.6
847.0	25.8	166	6.0	-25.1	26.3	178	1.0	-26.3	26.2	182	-1.0	-26.2
871.0	21.7	186	-2.3	-21.6	19.7	181	-.4	-19.7	17.2	180	.1	-17.2
895.0	16.3	183	-.8	-16.3	14.4	197	-4.2	-13.8	9.9	211	-5.1	-8.5
919.0	3.0	266	-3.0	-.2	4.0	331	-1.9	3.5	3.7	14	.9	3.6
943.0	4.4	321	-2.7	3.4	10.3	353	-1.2	10.2	17.4	345	-4.4	16.9
967.0	23.1	340	-7.7	21.7	30.5	344	-8.2	29.4	36.1	346	-8.5	35.1
991.0	33.9	354	-3.5	33.7	24.9	356	-1.7	24.8	8.2	5	.7	8.2
1015.0	4.9	137	3.4	-3.6	12.0	173	1.4	-11.9				

A-222

A-223

02/06/73 - 03/20/73 OFFSHORE



DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 OFFSHORE ARRAY

WINDS FROM WESTPOINT

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	6.8	83	-6.8	-.9	7.0	83	-6.9	-.9	6.9	87	-6.9	-.4
36.0	6.2	91	-6.2	.1	4.7	94	-4.7	.3	3.7	93	-3.7	.2
60.0	3.1	90	-3.1	-.0	3.2	86	-3.2	-.2	3.0	87	-3.0	-.1
84.0	3.4	88	-3.4	-.1	3.8	84	-3.8	-.4	3.7	85	-3.6	-.3
108.0	2.5	103	-2.5	.6	2.6	158	-1.0	2.4	3.1	195	.8	3.0
132.0	1.8	216	1.1	1.5	.7	300	.6	-.3	1.5	36	-.9	-1.3
156.0	2.0	70	-1.8	-.7	2.4	83	-2.4	-.3	3.0	86	-3.0	-.2
180.0	3.4	87	-3.4	-.2	3.7	88	-3.7	-.1	3.2	99	-3.2	.5
204.0	2.6	121	-2.2	1.3	2.2	145	-1.3	1.8	2.6	166	-.6	2.5
228.0	3.2	163	-.9	3.0	2.9	151	-1.4	2.5	2.5	132	-1.8	1.7
252.0	1.7	149	-.9	1.4	1.5	168	-.3	1.5	1.6	208	.7	1.4
276.0	1.2	307	.9	-.7	1.7	309	1.3	-1.1	1.5	360	-.0	-1.5
300.0	2.2	63	-2.0	-.8	3.6	72	-3.4	-1.1	3.1	62	-2.8	-1.5
324.0	2.0	31	-1.0	-1.7	1.4	20	-.5	-1.3	1.9	50	-1.5	-1.2
348.0	3.3	75	-3.2	-.9	4.5	79	-4.4	-.9	5.0	82	-4.9	-.7
372.0	4.7	87	-4.7	-.3	4.0	87	-4.0	-.2	2.4	108	-2.3	.7
396.0	2.0	140	-1.3	1.5	1.8	153	-.8	1.6	1.9	110	-1.8	.7
420.0	2.5	82	-2.4	-.3	3.1	80	-3.1	-.5	3.2	91	-3.2	.1
444.0	2.9	107	-2.7	.9	2.5	134	-1.8	1.7	3.9	173	-.5	3.9
468.0	5.3	170	-.9	5.2	5.3	166	-1.3	5.2	4.2	154	-1.8	3.8
492.0	3.7	165	-1.0	3.5	4.4	176	-.3	4.4	3.8	179	-.1	3.8
516.0	2.3	177	-.1	2.3	1.0	184	.1	1.0	2.1	195	.6	2.1
540.0	3.3	185	.3	3.8	5.9	181	.1	5.9	6.2	204	2.5	5.7
564.0	5.6	225	3.9	4.0	4.6	248	4.3	1.8	1.9	216	1.1	1.5
588.0	1.9	155	-.8	1.8	3.0	138	-2.0	2.2	3.1	137	-2.2	2.3
612.0	3.4	145	-2.0	2.3	3.1	166	-.8	3.0	3.0	186	.3	3.0
636.0	3.0	209	1.4	2.6	2.8	215	1.6	2.3	2.3	195	.6	2.3
660.0	2.2	152	-1.1	2.0	3.1	115	-2.8	1.3	2.4	87	-2.4	-.1
684.0	1.2	68	-1.2	-.5	.4	89	-.4	-.0	1.3	164	-.4	1.3
708.0	1.6	155	-.7	1.4	1.3	162	-.4	1.2	.8	204	.3	.7
732.0	1.6	259	1.6	.3	2.0	258	2.0	.4	1.8	237	1.5	1.0
756.0	3.2	203	1.3	3.0	4.5	231	3.5	2.8	6.0	237	5.0	3.2
780.0	4.6	241	4.0	2.2	2.3	210	1.2	2.0	.6	168	-.1	.6
804.0	1.3	309	1.0	-.8	2.6	275	2.6	-.2	4.5	267	4.5	.2
828.0	5.6	277	5.6	-.6	6.4	293	5.9	-2.5	6.5	310	4.9	-4.2
852.0	5.3	315	3.7	-3.7	3.6	305	2.9	-2.0	3.1	255	3.0	.8
876.0	3.5	238	3.0	1.9	2.7	224	1.9	1.9	1.5	204	.6	1.4
900.0	2.3	175	-.2	2.3	5.0	182	.2	5.0	3.9	213	2.1	3.3
924.0	3.3	242	3.0	1.6	2.6	275	2.6	-.2	1.9	183	.1	1.9
948.0	4.4	158	-1.6	4.1	4.7	161	-1.5	4.5	5.4	159	-1.9	5.0
972.0	4.9	169	-.9	4.8	5.5	165	-1.5	5.3	4.5	172	-.6	4.4
996.0	3.3	167	-.3	3.2	1.9	165	-.5	1.8	1.3	191	.3	1.3

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DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 OFFSHORE ARRAY

METER 528/02 AT DEPTH 15 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
50.0	14.9	324	-8.8	12.0	13.1	317	-9.0	9.5	12.9	275	-12.8	1.0
74.0	13.5	281	-13.3	2.5	14.6	291	-13.6	5.2	19.7	315	-14.1	13.8
98.0	20.7	322	-12.8	16.2	22.2	329	-11.3	19.1	21.6	325	-12.4	17.7
122.0	22.8	316	-15.8	16.4	22.0	322	-13.6	17.3	20.7	329	-10.7	17.7
146.0	22.7	338	-8.6	21.0	23.4	333	-10.5	20.9	22.7	336	-9.3	20.7
170.0	20.8	334	-9.2	18.6	20.5	325	-11.8	16.7	22.7	321	-14.4	17.6
194.0	26.0	330	-13.2	22.4	28.0	329	-14.6	23.9	27.8	326	-15.5	23.1
218.0	26.2	328	-13.8	22.3	26.2	343	-7.5	25.1	26.0	348	-5.4	25.4
242.0	27.3	349	-5.4	26.8	26.5	335	-11.2	24.0	27.9	325	-16.0	22.8
266.0	28.6	323	-17.0	23.0	28.9	320	-18.6	22.2	19.5	337	-7.6	18.0
290.0	15.8	329	-8.0	13.6	6.2	353	-8	6.1	6.8	346	-1.7	6.6
314.0	6.0	63	5.3	2.7	3.1	81	3.1	.5	5.8	85	5.8	.5
338.0	3.0	49	2.2	1.9	6.4	65	5.8	2.7	6.6	15	1.7	6.4
362.0	10.5	14	2.5	10.2	12.4	358	-.4	12.4	13.3	340	-4.5	12.5
386.0	11.9	307	-9.5	7.2	10.7	310	-8.1	6.9	6.1	352	-.9	6.0
410.0	10.0	39	6.3	7.8	15.6	35	8.9	12.8	15.0	19	4.9	14.2
434.0	16.6	1	.2	16.6	19.0	350	-3.4	18.7	21.2	1	.3	21.2
458.0	18.6	3	1.1	18.6	24.4	10	4.4	24.0	27.5	12	5.8	26.8
482.0	32.8	359	-.7	32.8	30.6	354	-3.0	30.5	33.2	336	-13.3	30.5
506.0	37.4	339	-13.6	34.8	39.6	332	-18.6	35.0	36.5	332	-17.3	32.1
530.0	30.9	331	-15.0	27.0	30.1	335	-12.6	27.3	30.7	336	-12.5	28.0
554.0	32.8	343	-9.5	31.4	36.2	335	-15.3	32.8	36.8	339	-13.3	34.3
578.0	39.5	335	-16.9	35.7	39.4	338	-14.8	36.5	40.1	335	-17.2	36.2
602.0	38.0	342	-11.8	36.1	37.6	340	-13.0	35.3	37.4	345	-9.8	36.1
626.0	37.3	337	-14.7	34.3	34.5	336	-14.0	31.5	32.7	332	-15.3	28.9
650.0	29.5	341	-9.8	27.8	27.5	347	-6.1	26.8	26.8	353	-3.1	26.6
674.0	25.7	347	-5.7	25.1	25.0	340	-8.4	23.6	26.4	338	-10.0	24.4
698.0	26.1	342	-7.9	24.9	23.7	350	-4.3	23.3	21.6	348	-4.7	21.1
722.0	18.9	340	-6.4	17.8	17.6	332	-8.1	15.6	16.9	326	-9.5	13.9
746.0	15.9	331	-7.8	13.9	10.0	341	-3.2	9.5	7.0	27	3.1	6.3
770.0	3.1	159	1.1	-2.8	5.9	85	5.8	.6	6.4	232	-5.0	-3.9
794.0	9.4	334	-4.2	8.5	8.8	263	-8.8	-1.1	4.1	356	-.2	4.0
818.0	13.5	159	4.9	-12.6	15.3	162	4.7	-14.6	26.1	172	3.8	-25.9
842.0	28.0	183	-1.5	-28.0	25.9	175	2.5	-25.8	25.9	168	5.6	-25.3
866.0	25.4	155	10.5	-23.1	24.3	164	6.6	-23.4	17.0	163	5.0	-16.3
890.0	14.6	172	2.0	-14.5	9.4	133	6.9	-6.4	14.4	120	12.5	-7.1
914.0	16.0	127	12.7	-9.7	6.8	139	4.4	-5.1	9.9	187	-1.1	-9.8
938.0	1.1	327	-.6	.9	10.5	98	10.4	-1.5	5.4	39	3.4	4.2
962.0	13.7	46	9.9	9.4	12.7	63	11.4	5.7	23.7	49	18.0	15.4
986.0	21.7	45	15.4	15.3	27.9	11	5.1	27.4	18.6	17	5.5	17.8
1010.0	14.4	11	2.8	14.2	5.0	108	4.7	-1.5	8.0	80	7.8	1.4

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 OFFSHORE ARRAY

METER 349/06 AT DEPTH 26 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
50.0	13.1	329	-6.7	11.3	10.2	307	-8.2	6.1	11.2	274	-11.2	.8
74.0	11.9	286	-11.5	3.2	14.4	298	-12.7	6.8	20.3	316	-14.2	14.5
98.0	20.3	317	-13.8	14.9	21.8	326	-12.2	18.0	20.1	321	-12.6	15.7
122.0	20.6	315	-14.5	14.6	20.1	323	-12.1	16.0	19.7	331	-9.5	17.3
146.0	22.3	335	-9.4	20.3	22.5	330	-11.2	19.5	21.5	329	-11.1	18.4
170.0	19.0	328	-10.1	16.0	18.6	320	-11.8	14.3	19.6	319	-12.7	14.9
194.0	22.7	330	-11.5	19.6	24.6	327	-13.3	20.7	25.1	324	-14.6	20.4
218.0	23.6	323	-14.1	18.9	22.9	335	-9.6	20.8	21.8	340	-7.6	20.4
242.0	23.3	344	-6.6	22.3	22.2	330	-11.1	19.2	22.1	321	-13.8	17.2
266.0	23.0	317	-15.6	16.9	24.0	317	-16.4	17.5	18.6	333	-8.4	16.5
290.0	15.1	334	-6.7	13.6	6.8	351	-1.1	6.7	5.7	354	-6.6	5.7
314.0	5.2	59	4.5	2.7	6.5	66	5.9	2.7	8.4	73	8.1	2.5
338.0	6.4	72	6.1	2.0	7.5	90	7.5	-1.1	5.7	51	4.5	3.6
362.0	8.9	34	5.0	7.3	8.8	2	.3	8.8	9.7	335	-4.0	8.8
386.0	10.0	296	-9.0	4.3	8.9	308	-7.0	5.5	4.8	342	-1.5	4.6
410.0	7.7	32	4.1	6.5	12.3	34	6.8	10.2	12.4	20	4.3	11.6
434.0	13.1	1	.3	13.1	16.3	351	-2.6	16.1	18.1	357	-.9	18.1
458.0	18.6	349	-3.5	18.2	22.5	354	-2.3	22.4	26.0	355	-2.3	25.9
482.0	31.0	354	-3.3	30.8	30.0	347	-6.5	29.3	33.4	341	-11.1	31.5
506.0	35.2	342	-10.6	33.5	36.7	338	-13.8	34.0	32.6	333	-15.0	28.9
530.0	29.0	327	-15.8	24.4	27.6	330	-13.6	24.0	27.8	331	-13.6	24.2
554.0	29.1	338	-10.7	27.1	32.4	334	-14.2	29.1	32.9	339	-11.9	30.7
578.0	36.4	336	-15.1	33.1	36.5	341	-11.6	34.6	37.2	337	-14.3	34.4
602.0	35.4	345	-9.2	34.2	35.1	340	-12.1	33.0	35.4	344	-9.9	34.1
626.0	35.4	336	-14.6	32.3	31.9	334	-14.2	28.5	29.6	330	-14.8	25.6
650.0	26.9	339	-9.8	25.1	25.0	345	-6.3	24.2	24.7	352	-3.6	24.4
674.0	23.2	349	-4.6	22.8	22.3	341	-7.1	21.1	23.3	339	-8.3	21.7
698.0	22.7	339	-8.3	21.1	21.1	344	-5.8	20.3	19.5	342	-6.1	18.5
722.0	17.7	338	-6.6	16.4	13.8	337	-5.4	12.7	13.0	331	-6.4	11.4
746.0	11.0	335	-4.7	10.0	8.6	339	-3.1	8.0	4.7	0	.0	4.7
770.0	2.2	218	-1.4	-1.7	3.1	83	3.1	.4	4.1	204	-1.7	-3.8
794.0	4.5	330	-2.2	3.9	6.3	245	-5.7	-2.7	1.8	340	-.6	1.7
818.0	10.9	151	5.3	-9.5	12.4	155	5.2	-11.2	20.5	167	4.5	-20.0
842.0	22.1	180	.1	-22.1	20.7	169	4.0	-20.3	21.6	159	7.6	-20.2
866.0	21.5	150	10.8	-18.7	20.6	161	6.7	-19.5	16.1	160	5.4	-15.2
890.0	14.2	169	2.8	-14.0	11.0	146	6.2	-9.0	12.3	135	8.7	-8.7
914.0	13.5	135	9.6	-9.6	7.2	136	5.0	-5.1	8.5	171	1.3	-8.4
938.0	1.9	124	1.6	-1.1	8.9	113	8.2	-3.5	3.6	64	3.2	1.5
962.0	10.1	52	7.9	6.3	9.4	55	7.7	5.4	18.2	39	11.4	14.1
986.0	17.3	33	9.4	14.5	22.2	358	-.9	22.2	12.5	359	-.3	12.5
1010.0	10.3	355	-.9	10.3	6.7	117	6.0	-3.0	9.1	92	9.1	-.3

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 OFFSHORE ARRAY

METER 350/06 AT DEPTH 51 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
50.0	13.3	323	-8.0	10.6	11.4	294	-10.4	4.7	13.9	272	-13.9	.4
74.0	12.6	279	-12.5	1.9	14.2	301	-12.2	7.2	18.5	315	-13.1	13.1
98.0	19.9	315	-14.0	14.1	21.1	321	-13.3	16.3	21.0	320	-13.4	16.1
122.0	20.2	319	-13.2	15.3	19.7	324	-11.6	16.0	18.8	330	-9.4	16.2
146.0	21.5	331	-10.3	18.9	22.3	330	-11.2	19.3	22.1	328	-11.5	18.8
170.0	19.7	329	-10.2	16.9	18.9	322	-11.7	14.8	18.9	320	-12.2	14.4
194.0	21.2	324	-12.5	17.1	23.6	320	-15.1	18.1	23.6	316	-16.4	17.0
218.0	22.9	318	-15.3	17.0	21.5	325	-12.5	17.5	21.1	327	-11.4	17.8
242.0	21.1	332	-9.9	19.6	21.2	322	-13.2	16.6	20.1	320	-12.9	15.4
266.0	20.4	313	-14.8	14.1	18.4	315	-13.0	13.0	14.9	331	-7.2	13.1
290.0	12.0	336	-4.8	11.0	8.4	353	-1.0	8.3	6.9	358	-.3	6.9
314.0	5.1	24	2.0	4.6	7.6	77	7.4	1.7	8.8	68	8.1	3.3
338.0	12.7	71	12.0	4.1	10.1	75	9.7	2.6	9.7	79	9.5	1.9
362.0	4.1	100	4.0	-.7	2.7	52	2.1	1.7	5.1	279	-5.1	.8
386.0	8.2	288	-7.8	2.6	7.9	299	-6.9	3.9	5.4	1	.1	5.4
410.0	9.7	27	4.4	8.7	13.4	24	5.5	12.2	14.3	9	2.3	14.1
434.0	12.0	358	-.4	12.0	14.5	353	-1.7	14.4	14.2	360	-.1	14.2
458.0	17.4	352	-2.5	17.2	19.6	349	-3.7	19.2	25.9	339	-9.2	24.1
482.0	27.7	341	-9.2	26.1	28.7	332	-13.5	25.3	29.9	337	-11.7	27.5
506.0	31.4	338	-11.6	29.2	32.7	339	-11.7	30.5	29.5	331	-14.4	25.7
530.0	27.0	330	-13.5	23.4	26.3	328	-14.1	22.2	26.1	328	-13.8	22.1
554.0	28.1	330	-14.2	24.3	32.1	331	-15.4	28.2	32.2	336	-12.9	29.6
578.0	35.7	334	-15.7	32.1	34.7	336	-13.9	31.8	35.2	332	-16.3	31.2
602.0	32.5	340	-11.3	30.5	33.3	336	-13.7	30.3	33.9	341	-11.0	32.1
626.0	35.2	336	-14.1	32.2	31.4	336	-12.9	28.6	29.7	333	-13.5	26.5
650.0	26.9	335	-11.3	24.4	25.1	336	-10.2	22.9	24.5	339	-8.7	22.9
674.0	23.3	339	-8.2	21.8	20.1	342	-6.1	19.1	20.3	344	-5.7	19.5
698.0	19.2	341	-6.2	18.1	21.4	345	-5.6	20.6	17.6	342	-5.4	16.7
722.0	15.1	342	-4.7	14.3	10.0	341	-3.3	9.4	11.3	338	-4.3	10.5
746.0	9.2	331	-4.5	8.1	7.5	343	-2.2	7.2	7.3	342	-2.3	6.9
770.0	4.0	330	-2.0	3.5	3.4	6	.3	3.4	1.8	119	1.6	-.9
794.0	5.6	67	5.2	2.1	4.8	107	4.6	-1.4	6.7	95	6.7	-.6
818.0	10.8	140	6.9	-8.3	12.0	143	7.3	-9.6	18.4	155	7.8	-16.7
842.0	18.9	158	6.9	-17.6	18.2	151	8.9	-15.8	18.8	147	10.1	-15.9
866.0	18.2	142	11.2	-14.3	17.9	151	8.6	-15.7	16.2	147	8.7	-13.7
890.0	13.0	154	5.6	-11.7	10.4	146	5.9	-8.6	10.3	144	6.1	-8.3
914.0	13.6	137	9.3	-9.9	10.4	141	6.5	-8.1	11.1	159	4.1	-10.3
938.0	6.9	151	3.4	-6.0	11.2	124	9.3	-6.2	5.6	103	5.5	-1.2
962.0	9.9	58	8.4	5.2	6.3	60	5.4	3.1	12.5	29	6.0	11.0
986.0	10.6	13	2.4	10.4	18.8	347	-4.1	18.3	9.9	4	.6	9.8
1010.0	7.1	21	2.6	6.6	11.0	113	10.1	-4.3	10.9	99	10.8	-1.7

A-227

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 OFFSHORE ARRAY

METER 529/02 AT DEPTH 196 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
50.0	11.5	331	-5.6	10.0	10.8	303	-9.1	5.8	10.1	283	-9.8	2.3
74.0	10.1	296	-9.1	4.4	11.3	318	-7.6	8.3	11.7	327	-6.3	9.9
98.0	12.5	323	-7.4	10.0	13.1	333	-6.0	11.6	14.5	334	-6.5	13.0
122.0	15.1	331	-7.4	13.2	15.2	334	-6.7	13.7	14.8	336	-5.9	13.6
146.0	15.1	337	-5.9	13.9	15.9	335	-6.8	14.4	16.7	334	-7.3	15.0
170.0	16.4	329	-8.3	14.1	15.7	328	-8.4	13.3	16.2	329	-8.4	13.8
194.0	17.9	335	-7.6	16.1	18.5	327	-10.2	15.5	16.5	314	-11.9	11.5
218.0	15.7	317	-10.8	11.4	16.5	320	-10.7	12.6	18.8	331	-9.1	16.5
242.0	18.2	334	-8.1	16.4	17.0	336	-6.8	15.6	15.0	347	-3.3	14.6
266.0	15.6	341	-5.1	14.7	14.5	340	-5.0	13.6	14.9	322	-9.2	11.8
290.0	11.8	334	-5.2	10.6	10.0	326	-5.6	8.3	5.1	360	-0	5.1
314.0	2.5	40	1.6	1.9	5.1	118	4.5	-2.4	6.8	122	5.8	-3.7
338.0	5.7	144	3.4	-4.6	8.9	137	6.1	-6.5	5.9	142	3.6	-4.6
362.0	7.7	144	4.5	-6.2	6.6	136	4.6	-4.7	4.9	121	4.2	-2.5
386.0	2.6	86	2.6	.2	2.5	47	1.8	1.7	3.6	68	3.3	1.3
410.0	5.7	78	5.6	1.2	8.5	38	5.2	6.6	7.9	8	1.1	7.8
434.0	11.1	350	-1.8	10.9	11.7	347	-2.6	11.4	14.9	348	-3.0	14.6
458.0	15.6	356	-1.0	15.6	18.2	349	-3.3	17.9	21.9	345	-5.7	21.1
482.0	25.3	338	-9.6	23.4	29.4	337	-11.7	26.9	30.5	345	-7.9	29.5
506.0	32.9	349	-6.5	32.3	32.9	349	-6.4	32.3	31.9	345	-8.3	30.8
530.0	31.6	340	-10.8	29.7	30.4	338	-11.5	28.2	28.1	332	-13.2	24.8
554.0	28.5	337	-11.2	26.2	26.9	341	-8.8	25.4	28.1	342	-8.7	26.7
578.0	28.9	343	-8.4	27.7	30.8	338	-11.5	28.6	29.6	341	-9.8	27.9
602.0	30.0	338	-11.0	27.9	31.5	346	-7.7	30.6	32.7	344	-8.9	31.5
626.0	32.6	343	-9.3	31.2	28.1	334	-12.2	25.3	24.9	337	-9.8	22.8
650.0	18.7	341	-6.1	17.6	18.0	348	-3.9	17.6	15.2	347	-3.3	14.8
674.0	14.5	340	-5.0	13.6	13.8	335	-5.9	12.5	12.5	338	-4.7	11.6
698.0	13.4	345	-3.6	12.9	11.5	3	.7	11.4	10.9	9	1.7	10.8
722.0	4.7	48	3.5	3.2	5.6	134	4.0	-3.9	10.3	163	3.1	-9.8
746.0	8.9	162	2.7	-8.5	10.1	178	.3	-10.1	6.8	174	.7	-6.8
770.0	7.4	192	-1.5	-7.3	6.4	176	.5	-6.4	6.1	194	-1.5	-5.9
794.0	9.8	191	-1.9	-9.6	4.5	190	-.8	-4.4	8.2	186	-.8	-8.2
818.0	7.7	161	2.5	-7.2	10.4	151	5.0	-9.1	14.4	148	7.6	-12.3
842.0	17.5	151	8.4	-15.4	18.9	160	6.4	-17.8	17.7	155	7.6	-16.0
866.0	16.8	152	7.9	-14.8	13.4	141	8.4	-10.5	11.0	151	5.3	-9.7
890.0	10.1	145	5.9	-8.3	11.7	158	4.5	-10.8	12.6	149	6.6	-10.8
914.0	10.9	142	6.8	-8.6	11.1	132	8.3	-7.4	10.3	136	7.1	-7.4
938.0	11.0	132	8.2	-7.4	6.8	138	4.5	-5.0	6.2	117	5.5	-2.8
962.0	3.4	88	3.4	.1	1.4	20	.5	1.3	5.0	350	-.9	4.9
986.0	8.9	349	-1.7	8.7	7.2	15	1.8	7.0	10.1	5	.8	10.1
1010.0	6.7	39	4.2	5.2	5.4	39	3.3	4.2	6.7	111	6.2	-2.4

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 OFFSHORE ARRAY

METER 351/07 AT DEPTH 153 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
50.0	2.3	328	-1.2	1.9	4.2	330	-2.1	3.6	2.8	345	-.7	2.7
74.0	5.4	327	-3.0	4.5	3.0	328	-1.6	2.5	4.5	317	-3.1	3.3
98.0	3.6	303	-3.0	2.0	5.5	317	-3.7	4.0	8.1	317	-5.4	5.9
122.0	10.5	320	-6.7	8.0	8.7	322	-5.4	6.8	7.9	318	-5.2	5.9
146.0	3.4	309	-2.7	2.1	4.2	337	-1.6	3.8	2.3	283	-2.2	.5
170.0	3.7	292	-3.4	1.4	5.2	281	-5.1	1.0	4.4	240	-3.8	-2.2
194.0	6.7	240	-5.8	-3.3	5.5	251	-5.2	-1.8	4.0	276	-4.0	.4
218.0	6.0	327	-3.2	5.0	9.6	321	-6.1	7.4	10.7	319	-6.9	8.1
242.0	10.0	312	-7.5	6.7	6.4	293	-5.8	2.5	2.5	286	-2.4	.7
266.0	2.0	157	.8	-1.9	7.8	170	1.4	-7.7	7.7	159	2.7	-7.2
290.0	8.8	160	3.0	-8.3	8.8	153	4.0	-7.8	8.2	159	3.0	-7.6
314.0	9.2	175	.7	-9.2	10.0	183	-.5	-10.0	10.5	201	-3.8	-9.8
338.0	10.8	193	-2.4	-10.5	9.1	186	-1.0	-9.0	10.2	166	2.4	-9.9
362.0	8.5	159	3.0	-8.0	8.5	152	4.1	-7.5	5.7	149	2.9	-4.8
386.0	3.0	142	1.9	-2.4	2.1	104	2.0	-.5	2.0	345	-.5	1.9
410.0	2.7	345	-.7	2.6	6.6	342	-2.0	6.3	6.2	353	-.8	6.1
434.0	7.5	334	-3.3	6.7	6.6	329	-3.4	5.7	7.7	324	-4.5	6.2
458.0	9.4	327	-5.1	7.9	13.1	329	-6.8	11.2	18.8	324	-11.0	15.2
482.0	20.1	330	-10.1	17.4	23.3	330	-11.6	20.2	22.0	335	-9.4	19.8
506.0	24.2	330	-11.9	21.0	21.3	333	-9.6	19.0	18.8	331	-9.2	16.4
530.0	14.5	343	-4.2	13.9	15.0	336	-6.1	13.7	15.9	335	-6.6	14.4
554.0	19.5	328	-10.4	16.5	16.7	325	-9.6	13.7	14.9	335	-6.4	13.4
578.0	7.4	339	-2.6	6.9	7.3	357	-.4	7.3	8.0	321	-5.0	6.2
602.0	13.4	333	-6.0	12.0	18.3	327	-10.0	15.4	22.0	326	-12.4	18.2
626.0	17.1	329	-8.9	14.6	16.3	331	-7.9	14.3	10.9	346	-2.7	10.6
650.0	10.5	348	-2.1	10.2	5.6	344	-1.5	5.4	3.4	13	.8	3.3
674.0	4.0	325	-2.3	3.3	4.5	322	-2.8	3.6	6.4	333	-2.9	5.7
698.0	7.1	342	-2.1	6.7	3.7	327	-2.0	3.1	1.3	301	-1.1	.6
722.0	6.3	216	-3.7	-5.1	8.7	188	-1.2	-8.7	13.2	209	-6.4	-11.6
746.0	14.1	205	-5.9	-12.9	13.2	209	-6.4	-11.5	12.7	211	-6.5	-10.9
770.0	10.5	215	-6.0	-8.6	10.3	222	-7.0	-7.6	9.3	213	-5.1	-7.8
794.0	11.7	221	-7.7	-8.8	11.2	205	-4.7	-10.1	12.6	205	-5.3	-11.5
818.0	13.1	205	-5.5	-12.0	13.9	200	-4.7	-13.1	14.4	197	-4.1	-13.8
842.0	15.5	188	-2.1	-15.4	14.2	200	-4.7	-13.3	14.4	197	-4.3	-13.7
866.0	12.6	203	-4.9	-11.7	10.3	207	-4.7	-9.2	11.5	202	-4.4	-10.7
890.0	12.6	193	-2.7	-12.2	15.4	195	-3.9	-14.9	14.3	192	-2.9	-14.0
914.0	11.6	185	-.9	-11.6	10.1	182	-.4	-10.1	9.4	181	-.1	-9.4
938.0	11.1	172	1.5	-11.0	10.0	189	-1.6	-9.9	7.7	178	.2	-7.7
962.0	3.3	205	-1.4	-3.0	.4	36	.2	.3	4.9	334	-2.1	4.4
986.0	6.3	342	-2.0	6.0	4.9	304	-4.1	2.7	2.2	329	-1.1	1.9
1010.0	4.8	253	-4.6	-1.4	2.0	188	-.3	-2.0	5.4	242	-4.7	-2.6

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 OFFSHORE ARRAY

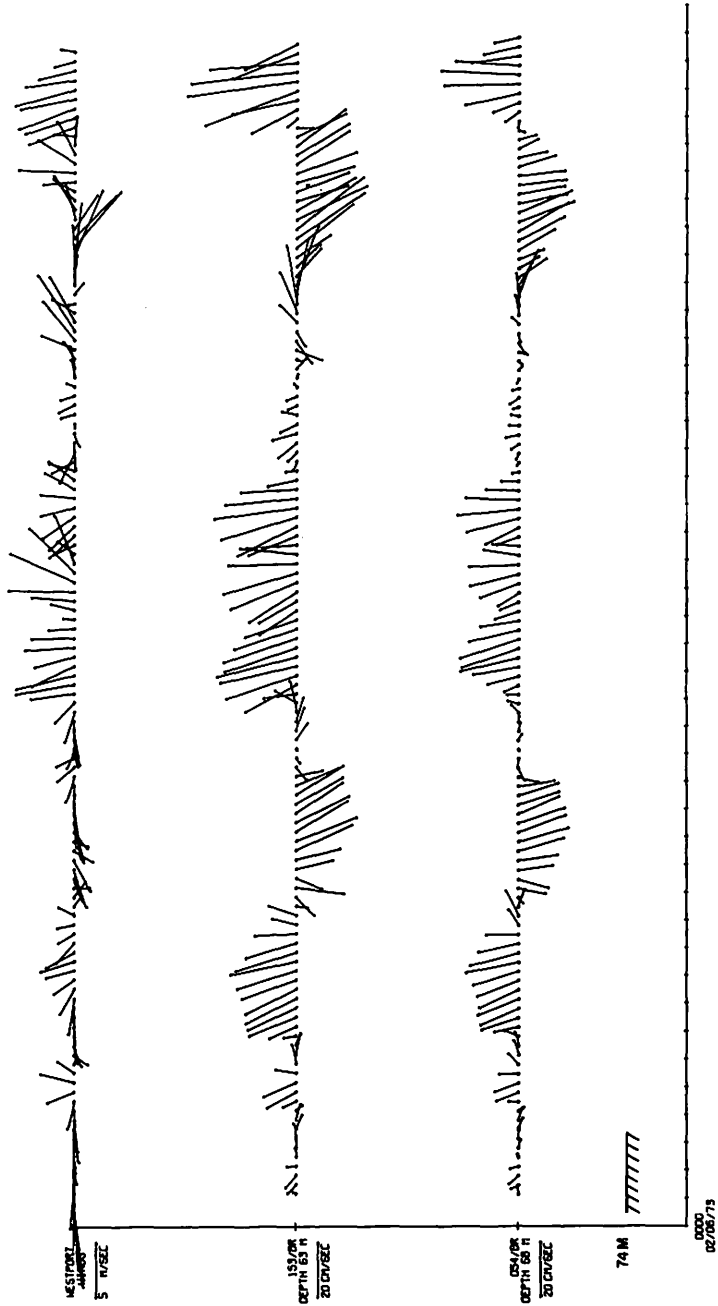
METER 297/07 AT DEPTH 158 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIR	U	V
50.0	3.4	305	-2.8	1.9	3.7	308	-2.9	2.2	2.3	345	-0.6	2.3
74.0	4.3	325	-2.4	3.5	2.6	334	-1.1	2.3	3.3	317	-2.3	2.4
98.0	2.8	298	-2.5	1.3	4.4	301	-3.8	2.3	6.5	308	-5.1	4.0
122.0	8.3	310	-6.4	5.3	6.4	317	-4.4	4.7	5.2	301	-4.4	2.7
146.0	1.9	269	-1.9	-0.0	2.1	320	-1.4	1.6	1.9	253	-1.8	-0.5
170.0	2.8	261	-2.8	-0.5	4.4	256	-4.3	-1.1	4.5	196	-1.3	-4.4
194.0	7.5	210	-3.8	-6.4	6.5	219	-4.1	-5.0	5.5	262	-5.4	-0.8
218.0	7.3	307	-5.8	4.4	9.4	308	-7.4	5.8	8.9	304	-7.4	5.0
242.0	7.5	300	-6.5	3.7	4.4	268	-4.4	-0.2	1.6	220	-1.0	-1.2
266.0	4.4	150	2.2	-3.8	9.3	158	3.5	-8.7	9.4	152	4.0	-7.4
290.0	8.2	142	5.0	-6.5	6.1	137	4.2	-4.5	5.8	149	3.0	-5.0
314.0	7.1	168	1.4	-6.9	8.2	181	-0.1	-8.2	10.1	195	-2.6	-9.7
338.0	10.8	186	-1.2	-10.8	9.6	168	2.0	-9.4	9.6	150	4.8	-8.2
362.0	7.6	145	4.4	-6.2	7.3	144	4.3	-5.9	6.0	146	3.4	-4.9
386.0	3.7	154	1.6	-3.4	1.6	151	.8	-1.4	2.9	303	-2.4	1.6
410.0	3.6	313	-2.7	2.5	5.9	322	-3.6	4.7	4.8	330	-2.4	4.2
434.0	6.4	318	-4.3	4.8	6.6	314	-4.8	4.6	7.3	311	-5.5	4.8
458.0	9.0	315	-6.4	6.3	11.4	321	-7.2	8.8	16.7	317	-11.5	12.1
482.0	17.8	321	-11.2	13.9	20.5	322	-12.5	16.3	18.9	327	-10.3	15.8
506.0	20.4	323	-12.2	16.4	18.1	327	-10.0	15.1	16.0	322	-9.8	12.7
530.0	12.6	335	-5.2	11.4	12.7	325	-7.2	10.5	13.4	328	-7.1	11.4
554.0	16.1	318	-10.7	12.0	14.1	314	-10.2	9.7	12.3	320	-7.9	9.5
578.0	6.0	321	-3.8	4.7	4.6	346	-1.1	4.5	6.4	294	-5.8	2.5
602.0	10.2	314	-7.4	7.0	15.6	312	-11.6	10.5	18.8	315	-13.4	13.2
626.0	14.6	317	-10.0	10.6	13.5	317	-9.1	9.9	8.3	332	-3.9	7.3
650.0	9.3	340	-2.8	7.9	4.4	348	-0.9	4.3	3.2	19	1.1	3.1
674.0	3.1	289	-2.9	1.0	4.2	292	-3.9	1.6	6.3	313	-4.6	4.3
698.0	7.3	334	-3.2	6.5	5.0	325	-2.9	4.1	1.7	302	-1.4	.9
722.0	5.3	202	-2.0	-4.9	8.9	177	.5	-8.9	13.1	191	-2.4	-12.8
746.0	14.4	194	-3.6	-13.9	13.3	196	-3.6	-12.8	11.9	201	-4.2	-11.1
770.0	11.3	199	-3.7	-10.7	11.6	208	-5.4	-10.3	11.9	196	-3.3	-11.4
794.0	11.7	204	-4.7	-10.7	10.7	183	-0.5	-10.7	10.7	184	-0.7	-10.7
818.0	12.2	183	-0.6	-12.2	13.5	190	-2.4	-13.3	14.4	189	-2.3	-14.3
842.0	15.8	184	-1.1	-15.8	15.3	186	-1.6	-15.2	14.8	184	-1.1	-14.7
866.0	12.2	186	-1.4	-12.1	9.9	196	-2.8	-9.5	10.4	195	-2.7	-10.0
890.0	11.4	186	-1.2	-11.3	13.4	184	-0.8	-13.4	13.6	181	-0.3	-13.6
914.0	10.9	172	1.5	-10.7	9.3	174	1.0	-9.3	7.8	176	.6	-7.8
938.0	8.9	165	2.3	-8.6	7.6	178	.3	-7.6	6.5	164	1.8	-6.2
962.0	2.6	198	-0.8	-2.5	.3	277	-0.3	.0	4.8	320	-3.1	3.7
986.0	6.2	333	-2.8	5.5	4.5	319	-3.0	3.4	2.4	7	.3	2.4
1010.0	2.1	245	-1.9	-0.9	1.9	163	.6	-1.8	4.4	218	-2.7	-3.5



02/05/73 - 03/20/73 WESTPORT ARRAY
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 6 HOURS
N

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 WESTPORT ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	6.8	83	-6.8	-.8	7.6	83	-6.9	-.9	6.9	87	-6.9	-.4
36.0	6.2	91	-6.2	.1	4.7	94	-4.7	.3	3.7	93	-3.7	.2
60.0	3.1	90	-3.1	-.0	3.2	86	-3.2	-.2	3.0	87	-3.0	-.1
84.0	3.4	88	-3.4	-.1	3.8	84	-3.8	-.4	3.7	85	-3.6	-.3
108.0	2.5	103	-2.5	.6	2.6	158	-1.0	2.4	3.1	195	.8	3.0
132.0	1.8	216	1.1	1.5	.7	300	.6	-.3	1.5	36	-.9	-1.3
156.0	2.0	70	-1.8	-.7	2.4	83	-2.4	-.3	3.0	86	-3.0	-.2
180.0	3.4	87	-3.4	-.2	3.7	88	-3.7	-.1	3.2	99	-3.2	.5
204.0	2.6	121	-2.2	1.3	2.2	145	-1.3	1.8	2.6	166	-.6	2.5
228.0	3.2	163	-.9	3.0	2.9	151	-1.4	2.5	2.5	132	-1.8	1.7
252.0	1.7	149	-.9	1.4	1.5	168	-.3	1.5	1.6	208	.7	1.4
276.0	1.2	307	.9	-.7	1.7	309	1.3	-1.1	1.5	360	-.0	-1.5
300.0	2.2	68	-2.0	-.8	3.6	72	-3.4	-1.1	3.1	62	-2.8	-1.5
324.0	2.0	31	-1.0	-1.7	1.4	20	-.5	-1.3	1.9	50	-1.5	-1.2
348.0	3.3	75	-3.2	-.9	4.5	79	-4.4	-.9	5.0	82	-4.9	-.7
372.0	4.7	87	-4.7	-.3	4.0	87	-4.0	-.2	2.4	108	-2.3	.7
396.0	2.9	140	-1.3	1.5	1.8	153	-.8	1.6	1.9	110	-1.8	.7
420.0	2.5	82	-2.4	-.3	3.1	90	-3.1	-.5	3.2	91	-3.2	.1
444.0	2.9	107	-2.7	.9	2.5	134	-1.8	1.7	3.9	173	-.5	3.9
468.0	5.3	170	-.9	5.2	5.3	166	-1.3	5.2	4.2	154	-1.8	3.8
492.0	3.7	165	-1.0	3.5	4.4	176	-.3	4.4	3.8	179	-.1	3.8
516.0	2.3	177	-.1	2.3	1.0	184	.1	1.0	2.1	195	.6	2.1
540.0	3.8	185	.3	3.8	5.9	181	.1	5.9	6.2	204	2.5	5.7
564.0	5.6	225	3.9	4.0	4.6	248	4.3	1.8	1.9	216	1.1	1.5
588.0	1.9	155	-.8	1.8	3.0	138	-2.0	2.2	3.1	137	-2.2	2.3
612.0	3.4	145	-2.0	2.8	3.1	166	-.8	3.0	3.0	186	.3	3.0
636.0	3.0	209	1.4	2.6	2.8	215	1.6	2.3	2.3	195	.6	2.3
660.0	2.2	152	-1.1	2.0	3.1	115	-2.8	1.3	2.4	87	-2.4	-.1
684.0	1.2	68	-1.2	-.5	.4	89	-.4	-.0	1.3	164	-.4	1.3
708.0	1.6	155	-.7	1.4	1.3	162	-.4	1.2	.8	204	.3	.7
732.0	1.6	259	1.6	.3	2.0	258	2.0	.4	1.8	237	1.5	1.0
756.0	3.2	203	1.3	3.0	4.5	231	3.5	2.8	6.0	237	5.0	3.2
780.0	4.6	241	4.0	2.2	2.3	210	1.2	2.0	.6	168	-.1	.6
804.0	1.3	309	1.0	-.8	2.6	275	2.6	-.2	4.5	267	4.5	.2
828.0	5.6	277	5.6	-.6	6.4	293	5.0	-2.5	6.5	310	4.9	-4.2
852.0	5.3	315	3.7	-3.7	3.6	305	2.9	-2.0	3.1	255	3.0	.8
876.0	3.5	238	3.0	1.9	2.7	224	1.9	1.9	1.5	204	.6	1.4
900.0	2.8	175	-.2	2.8	5.0	182	.2	5.0	3.9	213	2.1	3.3
924.0	3.3	242	3.0	1.6	2.6	275	2.6	-.2	1.9	183	.1	1.9
948.0	4.4	158	-1.6	4.1	4.7	161	-1.5	4.5	5.4	159	-1.9	5.0
972.0	4.9	169	-.9	4.8	5.5	165	-1.5	5.3	4.5	172	-.6	4.4
996.0	3.3	167	-.8	3.2	1.9	165	-.5	1.8	1.3	191	.3	1.3

DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 WESTPORT ARRAY

METER 153/BR AT DEPTH 63 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
28.0	1.4	26	.6	1.3	4.5	315	-3.2	3.2	5.9	312	-4.4	3.9
52.0	3.7	356	-.3	3.7	3.0	81	3.0	.5	3.9	91	3.9	-.1
76.0	5.3	78	5.2	1.1	5.4	114	5.0	-2.2	5.7	106	5.5	-1.6
100.0	2.9	145	1.7	-2.4	5.3	336	-2.2	4.9	12.1	332	-5.7	10.7
124.0	12.9	337	-5.0	11.9	7.7	9	1.3	7.6	7.0	77	6.8	1.6
148.0	7.4	105	7.2	-1.9	4.7	113	4.3	-1.8	4.5	351	-.7	4.5
172.0	10.7	337	-4.2	9.9	18.5	339	-6.7	17.2	19.4	336	-7.9	17.7
196.0	20.4	334	-9.0	18.3	20.4	334	-8.9	18.4	21.1	341	-6.9	19.9
220.0	22.6	343	-6.6	21.6	24.5	348	-5.0	24.0	23.1	343	-6.8	22.1
244.0	19.3	343	-5.5	18.5	15.2	357	-.7	15.1	9.2	14	2.2	8.9
268.0	10.7	19	3.5	10.1	4.3	190	-.7	-4.3	9.3	226	-6.7	-6.4
292.0	17.6	187	-2.3	-17.5	10.2	202	-3.8	-9.5	13.8	168	3.0	-13.5
316.0	16.5	167	3.9	-16.1	22.2	156	9.0	-20.3	23.5	159	8.3	-21.9
340.0	21.6	149	11.0	-18.6	21.3	154	9.4	-19.2	20.1	147	11.0	-16.9
364.0	19.4	151	9.5	-16.9	20.1	149	10.4	-17.2	16.5	158	6.3	-15.3
388.0	9.9	167	2.1	-9.7	5.9	231	-4.6	-3.7	2.1	239	-1.8	-1.1
412.0	.6	258	-.5	-.1	7.2	126	5.8	-4.2	8.7	110	8.2	-2.9
436.0	8.9	107	8.5	-2.7	11.5	78	11.2	2.4	8.9	30	4.4	7.7
460.0	12.1	352	-1.7	12.0	21.1	332	-10.0	18.6	27.0	341	-8.6	25.5
484.0	28.4	347	-6.2	27.7	29.9	346	-7.3	28.9	27.7	341	-8.8	26.3
508.0	28.0	342	-8.8	26.5	23.9	342	-7.4	22.7	19.8	341	-6.3	18.8
532.0	16.2	327	-8.8	13.6	15.7	331	-7.6	13.7	20.5	328	-10.9	17.3
556.0	25.9	338	-9.7	24.0	27.8	344	-7.6	26.7	25.0	358	-.9	25.0
580.0	20.8	6	2.0	20.7	18.3	356	-1.2	18.3	18.9	338	-7.0	17.5
604.0	23.9	334	-10.5	21.5	28.8	343	-8.2	27.6	30.1	352	-4.1	29.8
628.0	26.2	354	-2.5	26.0	20.3	357	-1.2	20.3	10.8	348	-2.2	10.6
652.0	4.2	355	-.4	4.2	3.3	296	-3.0	1.4	4.6	317	-3.1	3.3
676.0	8.6	322	-5.2	6.8	9.1	345	-2.3	8.8	6.8	335	-2.9	6.2
700.0	5.6	12	1.2	5.5	3.5	337	-1.4	3.2	4.1	339	-1.5	3.8
724.0	1.7	46	1.2	1.2	1.4	109	1.4	-.5	5.1	135	3.6	-3.6
748.0	2.3	203	-.9	-2.2	10.0	202	-3.7	-9.3	9.7	236	-8.0	-5.5
772.0	6.1	240	-5.2	-3.1	8.8	46	6.3	6.1	15.9	67	14.6	6.1
796.0	21.2	80	20.8	3.8	20.5	102	20.1	-4.4	22.5	110	21.1	-7.8
820.0	13.2	132	9.9	-9.8	11.9	137	8.1	-8.7	14.7	147	8.0	-12.4
844.0	25.7	143	15.6	-20.4	29.6	146	16.4	-24.6	30.7	142	18.8	-24.2
868.0	28.2	154	12.2	-25.4	24.2	151	11.8	-21.2	19.2	163	5.7	-18.4
892.0	20.0	159	7.1	-18.7	21.6	164	5.9	-20.7	23.2	160	7.8	-21.8
916.0	22.6	147	12.2	-19.0	22.2	149	11.6	-19.0	22.2	143	13.4	-17.7
940.0	19.8	155	8.5	-17.9	5.8	181	-.1	-5.8	4.6	321	-2.9	3.6
964.0	18.8	332	-8.8	16.6	24.1	348	-5.1	23.5	35.8	339	-12.6	33.5
988.0	40.2	352	-5.5	39.8	38.7	354	-4.3	38.4	31.8	355	-2.5	31.7
1012.0	25.4	339	-9.2	23.7	21.1	334	-9.2	18.9				

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DATA POINTS FOR PLOT ENTITLED.. 02/06/73 - 03/20/73 WESTPOPT ARRAY

METER 054/3R AT DEPTH 63 METERS.

PLOT ORIGIN TIME 02/06/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

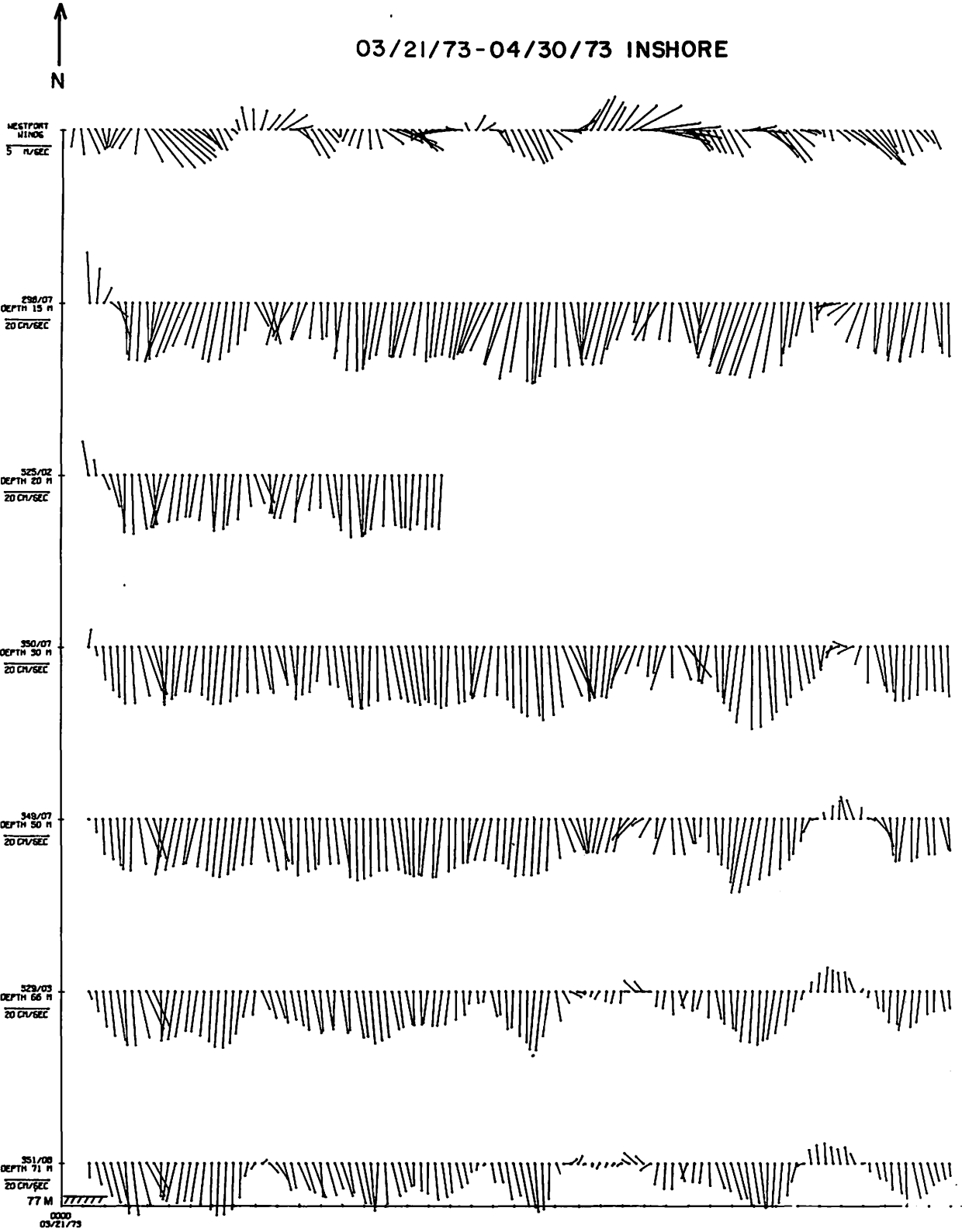
TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
27.0	2.3	81	2.3	.4	3.0	334	-1.3	2.7	4.5	320	-2.9	3.4
51.0	3.3	346	-.9	3.2	1.2	74	1.2	.3	3.0	107	2.8	-.9
75.0	4.0	90	4.0	.0	4.5	110	4.2	-1.6	4.7	109	4.4	-1.6
99.0	2.7	146	1.5	-2.2	3.5	1	.1	3.5	8.4	339	-3.0	7.8
123.0	9.1	341	-3.0	9.6	7.0	360	-.1	7.0	5.3	47	3.9	3.6
147.0	5.5	71	5.2	1.7	5.0	76	4.8	1.2	5.6	23	2.1	5.1
171.0	8.8	349	-1.6	8.7	13.9	342	-4.2	13.3	14.8	337	-5.8	13.7
195.0	15.7	339	-5.7	14.6	15.6	336	-6.4	14.2	16.1	339	-5.7	15.0
219.0	17.1	343	-4.9	16.3	19.1	349	-3.7	18.8	18.1	346	-4.5	17.5
243.0	14.9	348	-3.1	14.6	11.7	360	-.0	11.7	6.7	58	5.7	3.6
267.0	10.2	64	9.1	4.5	6.9	111	6.5	-2.5	2.4	228	-1.8	-1.6
291.0	10.0	191	-1.9	-9.9	11.3	197	-3.2	-10.8	12.5	173	1.6	-12.4
315.0	14.3	172	2.0	-14.2	17.0	164	4.8	-16.3	18.7	164	5.0	-18.0
339.0	18.1	160	6.3	-17.0	17.6	161	5.6	-16.7	15.9	157	6.3	-14.6
363.0	15.2	162	4.6	-14.5	15.0	163	4.4	-14.3	13.1	171	2.0	-12.9
387.0	7.3	194	-1.7	-7.1	4.8	243	-4.3	-2.2	2.9	275	-2.8	.3
411.0	.5	246	-.5	-.2	2.6	121	2.2	-1.3	3.1	104	3.0	-.7
435.0	2.0	98	2.0	-.3	4.0	48	3.0	2.7	4.1	15	1.1	3.9
459.0	4.1	0	.0	4.1	5.7	337	-2.2	5.2	11.6	346	-2.9	11.2
483.0	16.7	351	-2.7	16.5	21.5	347	-4.8	21.0	21.4	342	-6.7	20.3
507.0	22.0	342	-6.8	20.9	18.2	347	-4.1	17.7	14.0	352	-2.1	13.8
531.0	9.0	343	-2.7	8.6	7.2	338	-2.7	6.7	8.9	329	-4.6	7.6
555.0	14.8	340	-5.0	14.0	18.0	347	-4.2	17.5	17.7	358	-.6	17.7
579.0	12.8	9	2.1	12.6	9.6	5	.8	9.6	8.4	341	-2.7	8.0
603.0	13.3	334	-5.9	11.9	19.3	345	-4.9	18.7	22.2	354	-2.2	22.1
627.0	19.0	2	.7	19.0	11.8	2	.5	11.8	6.3	1	.1	6.3
651.0	2.5	352	-.4	2.5	1.3	307	-1.0	.8	2.2	297	-2.0	1.0
675.0	3.3	327	-1.3	2.8	4.8	349	-.9	4.7	3.6	2	.1	3.6
699.0	2.9	11	.6	2.9	2.3	343	-.7	2.2	3.9	326	-2.2	3.3
723.0	2.5	348	-.5	2.4	1.6	302	-1.4	.8	1.8	134	1.3	-1.2
747.0	1.6	226	-1.1	-1.1	3.2	196	-.9	-3.0	4.2	238	-3.6	-2.2
771.0	2.9	259	-2.8	-.6	3.4	46	2.5	2.4	7.2	79	7.1	1.4
795.0	11.6	86	11.5	.9	13.3	111	12.4	-4.8	14.9	118	13.2	-7.0
819.0	12.1	145	7.0	-9.9	8.4	149	4.3	-7.2	9.7	158	3.6	-9.0
843.0	14.9	151	7.3	-12.9	18.5	152	8.6	-16.4	20.6	150	10.4	-17.8
867.0	21.1	159	7.4	-19.8	20.5	157	8.0	-18.9	17.6	169	3.5	-17.2
891.0	16.7	170	3.0	-16.4	17.1	173	2.0	-17.0	16.7	174	1.8	-16.6
915.0	13.9	163	4.1	-13.3	10.4	168	2.2	-10.2	7.7	153	3.4	-6.9
939.0	6.4	165	1.7	-6.2	2.0	197	-.6	-2.0	2.2	281	-2.2	.4
963.0	6.2	325	-3.5	5.0	10.1	340	-3.5	9.5	19.9	348	-4.3	19.4
987.0	27.0	359	-.7	27.0	27.9	2	1.2	27.9	22.9	3	1.4	22.9
1011.0	17.3	352	-2.5	17.2	13.1	348	-2.8	12.8	9.2	347	-2.0	9.0

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03/21/73-04/30/73 INSHORE



DATA POINTS FOR PLOT ENTITLED.. 03/21/73 - 04/30/73 INSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 03/21/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	2.1	8	-.3	-2.0	3.0	353	.4	-2.9	3.1	335	1.3	-2.8
36.0	2.5	334	1.1	-2.3	2.2	346	.5	-2.1	2.2	7	-.3	-2.1
60.0	2.1	22	-.8	-2.0	2.5	31	-1.3	-2.2	2.6	31	-1.3	-2.2
84.0	2.9	6	-.3	-3.9	4.2	332	2.0	-3.8	5.5	321	3.5	-4.3
108.0	6.0	317	4.1	-4.4	5.8	312	4.3	-3.9	5.5	310	4.2	-3.6
132.0	5.1	309	3.9	-3.2	3.8	309	2.9	-2.4	2.8	304	2.3	-1.6
156.0	2.9	317	2.0	-2.1	2.6	330	1.3	-2.3	2.6	335	1.1	-2.4
180.0	1.4	328	.8	-1.2	.7	309	.6	-.4	1.2	163	-.4	1.1
204.0	2.7	167	-.6	2.6	2.4	177	-.1	2.4	2.4	196	.7	2.3
228.0	2.1	217	1.3	1.7	3.2	222	2.1	2.3	3.2	237	2.7	1.8
252.0	2.5	259	2.5	.5	2.2	308	1.8	-1.4	3.4	329	1.8	-2.9
276.0	3.8	329	2.0	-3.3	3.1	324	1.8	-2.5	2.0	318	1.3	-1.5
300.0	1.1	321	.7	-.9	.7	1	-.0	-.7	1.4	23	-.6	-1.3
324.0	1.9	20	-.7	-1.8	2.2	13	-.5	-2.1	2.2	355	.2	-2.2
348.0	2.2	343	.6	-2.1	2.8	305	2.3	-1.6	4.0	292	3.7	-1.5
372.0	4.7	289	4.5	-1.6	5.0	298	4.4	-2.3	3.8	310	2.9	-2.4
396.0	2.5	325	1.5	-2.1	1.5	26	-.7	-1.3	2.8	65	-2.5	-1.2
420.0	3.4	78	-3.3	-.7	3.7	79	-3.7	-.7	2.8	83	-2.8	-.3
444.0	1.8	101	-1.8	.4	.9	154	-.4	.8	2.0	211	1.0	1.7
468.0	1.6	237	1.4	.9	1.5	280	1.4	-.3	2.2	323	1.3	-1.8
492.0	2.7	337	1.1	-2.5	3.4	334	1.5	-3.1	3.9	334	1.7	-3.5
516.0	4.4	331	2.1	-3.9	4.0	335	1.7	-3.6	3.5	336	1.4	-3.2
540.0	2.9	324	1.6	-2.3	2.4	304	2.0	-1.3	2.2	278	2.2	-.3
564.0	2.1	265	2.1	.2	2.4	241	2.1	1.2	3.1	218	1.9	2.4
588.0	4.1	210	2.0	3.5	4.4	207	2.0	3.9	3.8	212	2.0	3.2
612.0	3.9	209	1.4	2.7	3.6	216	2.1	2.9	4.4	229	3.4	2.9
636.0	6.1	242	5.4	2.9	6.8	262	6.7	.9	6.4	276	6.3	-.7
660.0	6.3	282	6.1	-1.3	5.3	270	5.3	-.0	5.7	265	5.7	.5
684.0	5.1	280	5.0	-.9	3.7	303	3.1	-2.0	3.1	320	2.0	-2.4
708.0	2.7	326	1.5	-2.2	2.9	328	1.5	-2.5	2.9	332	1.4	-2.6
732.0	3.0	334	1.3	-2.7	3.5	332	1.6	-3.1	2.5	321	1.6	-2.0
756.0	1.9	258	1.9	.4	2.9	259	2.9	.5	3.3	276	3.2	-.3
780.0	3.8	303	3.2	-2.1	4.3	316	3.0	-3.1	4.7	321	3.0	-3.6
804.0	4.5	320	2.9	-3.4	2.9	309	2.3	-1.9	1.8	288	1.7	-.5
828.0	1.3	286	1.2	-.3	.6	304	.5	-.4	.8	347	.2	-.8
852.0	1.2	346	.3	-1.2	1.8	311	1.4	-1.2	2.8	305	2.3	-1.6
876.0	3.6	304	3.0	-2.0	4.9	312	3.7	-3.3	5.6	314	4.1	-3.9
900.0	5.4	318	3.6	-4.0	3.3	324	1.9	-2.7	2.1	335	.9	-1.9
924.0	2.7	341	.9	-2.5	3.1	338	1.2	-2.9	2.8	330	1.4	-2.4
948.0	1.7	315	1.2	-1.2	1.9	322	1.1	-1.5	2.4	335	1.0	-2.1

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DATA POINTS FOR PLOT ENTITLED.. 03/21/73 - 04/30/73 INSHORE ARRAY

METER 298/07 AT DEPTH 15 METERS.

PLOT ORIGIN TIME 03/21/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	23.2	356	-1.5	23.1	16.0	4	1.2	16.0	7.8	26	3.4	7.0
55.0	9.9	131	7.5	-6.5	16.9	161	5.5	-15.9	24.1	178	.9	-24.0
79.0	26.8	183	-1.6	-26.7	27.0	182	-1.1	-27.0	26.4	177	1.2	-26.4
103.0	26.4	185	-2.1	-26.3	28.6	195	-7.6	-27.6	28.7	201	-10.5	-26.7
127.0	26.6	199	-8.9	-25.0	24.6	201	-8.9	-23.0	21.6	202	-8.0	-20.1
151.0	20.2	196	-5.5	-19.4	21.5	195	-5.4	-20.8	26.6	189	-4.3	-26.2
175.0	28.0	190	-4.9	-27.6	26.8	186	-3.0	-26.6	23.1	186	-2.3	-23.0
199.0	19.4	185	-1.5	-19.3	12.8	186	-1.4	-12.7	12.2	151	5.9	-10.6
223.0	15.0	159	5.4	-14.0	19.5	165	4.9	-18.9	19.9	194	-4.7	-19.3
247.0	17.6	193	-4.0	-17.2	17.6	209	-8.6	-15.3	16.9	192	-3.5	-16.5
271.0	18.2	201	-6.5	-17.0	16.5	186	-1.7	-16.4	16.9	177	.8	-16.9
295.0	15.5	182	-.6	-15.5	22.5	178	.8	-22.5	26.2	188	-3.5	-25.9
319.0	31.3	182	-1.2	-31.3	31.7	179	.3	-31.7	30.6	181	-.3	-30.6
343.0	28.7	186	-3.2	-28.5	26.4	189	-4.0	-26.1	24.6	190	-4.3	-24.2
367.0	24.8	183	-1.3	-24.7	25.4	188	-3.5	-25.2	25.7	194	-6.2	-24.9
391.0	26.0	194	-6.3	-25.2	24.5	187	-3.0	-24.3	27.3	182	-.9	-27.3
415.0	25.2	185	-2.2	-25.1	25.0	188	-3.3	-24.8	24.4	188	-3.5	-24.1
439.0	25.3	187	-3.1	-25.1	26.5	190	-4.6	-26.1	24.6	194	-6.1	-23.9
463.0	24.2	200	-8.4	-22.8	25.4	204	-10.5	-23.1	24.1	204	-9.9	-21.9
487.0	29.2	193	-6.8	-28.4	30.1	199	-9.7	-28.5	35.9	190	-6.3	-35.4
511.0	32.4	188	-4.5	-32.1	36.3	180	-.0	-36.3	37.5	181	-.9	-37.5
535.0	37.2	185	-3.2	-37.1	34.4	187	-4.2	-34.1	29.6	181	-.4	-29.6
559.0	29.3	175	2.8	-29.2	29.1	169	5.5	-28.6	28.6	176	2.0	-28.5
583.0	25.9	183	-1.5	-25.8	26.0	191	-5.2	-25.5	26.5	194	-6.2	-25.8
607.0	29.6	192	-6.4	-28.9	28.9	192	-5.9	-28.3	22.5	197	-6.7	-21.5
631.0	17.8	198	-5.4	-17.0	8.8	185	-.7	-8.8	15.2	198	-4.7	-14.4
655.0	17.6	191	-3.3	-17.3	20.0	211	-10.3	-17.1	17.0	189	-2.6	-16.8
679.0	17.7	184	-1.3	-17.7	18.7	165	4.9	-18.1	24.2	169	4.8	-23.7
703.0	13.9	167	3.0	-13.5	21.7	185	-1.9	-21.6	16.3	197	-4.7	-15.6
727.0	26.7	198	-8.1	-25.5	26.7	192	-5.5	-26.1	30.8	198	-9.4	-29.3
751.0	34.0	196	-9.5	-32.6	34.6	200	-11.6	-32.6	34.9	197	-10.1	-33.4
775.0	35.3	198	-11.2	-33.5	35.7	193	-7.8	-34.8	32.4	189	-4.8	-32.1
799.0	29.3	180	.1	-29.3	23.7	186	-2.5	-23.6	20.5	188	-2.9	-20.3
823.0	15.4	192	-3.2	-15.1	13.4	176	.9	-13.4	7.6	182	-.2	-7.6
847.0	5.3	213	-2.9	-4.4	7.9	255	-7.6	-2.1	8.3	257	-8.1	-1.9
871.0	10.0	237	-8.4	-5.4	13.1	221	-8.6	-9.9	19.1	200	-6.6	-17.9
895.0	21.3	193	-4.7	-20.7	22.3	181	-.5	-22.3	23.5	188	-3.2	-23.3
919.0	24.3	183	-1.2	-24.3	27.1	189	-4.3	-26.8	27.4	184	-2.0	-27.4
943.0	27.4	192	-5.8	-26.8	25.3	189	-4.1	-25.0	22.8	185	-1.8	-22.8
967.0	20.1	172	2.9	-19.9	23.3	178	.7	-23.3	24.9	178	.7	-24.8

DATA POINTS FOR PLOT ENTITLED.. 03/21/73 - 04/30/73 INSHORE ARRAY

METER 525/02 AT DEPTH 20 METERS.

PLOT ORIGIN TIME 03/21/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTOPS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
31.0	15.9	349	-2.9	15.7	7.2	351	-1.1	7.1	7.0	156	2.8	-6.4
55.0	15.3	164	4.3	-14.7	23.8	172	3.5	-23.5	26.6	180	-.1	-26.6
79.0	27.5	178	1.0	-27.4	25.2	172	3.6	-25.0	23.3	167	5.1	-27.7
103.0	23.0	176	1.4	-23.0	24.5	190	-4.3	-24.1	25.3	195	-6.7	-24.4
127.0	21.9	187	-2.8	-21.7	21.9	187	-2.4	-20.9	19.3	185	-1.8	-19.3
151.0	19.5	190	-3.3	-19.2	20.9	186	-2.2	-20.8	24.1	177	1.2	-24.1
175.0	26.1	184	-2.0	-26.0	25.1	182	-1.1	-25.1	23.3	187	-2.7	-23.2
199.0	20.7	183	-1.1	-20.7	14.4	174	1.6	-14.3	13.7	161	4.4	-13.0
223.0	13.9	156	5.6	-12.7	17.6	175	1.4	-17.5	17.7	190	-3.1	-17.5
247.0	20.2	193	-4.4	-19.7	20.5	194	-5.1	-19.9	21.7	184	-1.5	-21.6
271.0	17.1	195	-4.5	-16.5	16.3	186	-1.6	-16.2	15.2	179	.3	-15.2
295.0	19.7	171	3.1	-19.4	23.2	173	2.9	-23.0	25.6	180	-.2	-25.6
319.0	28.8	178	1.1	-28.8	28.5	174	2.9	-28.3	28.0	180	.0	-28.0
343.0	27.2	195	-2.4	-27.1	25.3	187	-3.0	-25.1	23.6	181	-.5	-23.6
367.0	23.3	176	1.9	-23.2	24.3	177	1.3	-24.2	24.2	181	-.3	-24.2
391.0	25.2	183	-1.3	-25.2	23.0	183	-1.4	-22.9	25.1	182	-.7	-25.1
415.0	23.8	182	-1.0	-23.8	25.1	183	-1.2	-25.1				

DATA POINTS FOR PLOT ENTITLED.. 03/21/73 - 04/30/73 INSHORE ARRAY

METER 350/07 AT DEPTH 30 METERS.

PLOT ORIGIN TIME 03/21/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	8.2	9	1.2	8.1	4.0	169	.8	-3.9	15.3	176	1.1	-15.2
55.0	20.2	176	1.5	-20.2	23.4	177	1.0	-23.3	26.5	179	.3	-26.4
79.0	26.3	176	1.6	-26.2	23.3	168	5.0	-22.8	21.4	160	7.2	-20.1
103.0	22.8	164	6.2	-21.9	25.8	176	1.7	-25.7	27.0	183	-1.5	-26.9
127.0	24.3	183	-1.3	-24.2	22.7	188	-3.0	-22.5	20.8	185	-1.8	-20.7
151.0	21.1	188	-3.1	-20.9	22.3	182	-.9	-22.2	24.5	183	-1.4	-24.4
175.0	26.9	185	-2.3	-26.8	26.5	185	-2.2	-26.4	25.3	182	-1.1	-25.3
199.0	22.8	184	-1.5	-22.8	21.0	180	.2	-21.0	21.6	176	1.7	-21.5
223.0	19.9	168	4.1	-19.5	21.5	174	2.1	-21.4	15.3	163	4.5	-14.6
247.0	17.7	174	1.9	-17.6	17.6	172	2.5	-17.4	24.2	182	-1.0	-24.2
271.0	22.2	183	-1.3	-22.1	21.2	184	-1.3	-21.1	16.0	185	-1.3	-16.0
295.0	17.6	175	1.6	-17.5	18.8	174	2.0	-18.7	24.6	171	3.9	-24.3
319.0	27.8	176	1.9	-27.7	28.5	175	2.5	-28.4	28.6	181	-.4	-28.6
343.0	27.2	181	-.6	-27.2	24.9	179	.4	-24.9	24.4	174	2.6	-24.2
367.0	24.2	169	4.5	-23.8	25.9	170	4.5	-25.5	26.3	170	4.4	-25.9
391.0	27.2	173	3.5	-27.0	24.4	174	2.4	-24.3	25.6	178	.7	-25.6
415.0	26.5	179	.6	-26.5	28.4	180	-.2	-28.4	27.3	182	-1.1	-27.3
439.0	26.1	176	1.6	-26.1	25.3	178	.9	-25.3	23.7	177	1.2	-23.7
463.0	22.2	188	-2.9	-22.0	23.4	192	-4.8	-22.9	23.2	187	-3.0	-23.0
487.0	22.2	182	-.6	-22.2	24.5	178	1.0	-24.5	28.2	179	.4	-28.2
511.0	30.5	178	.8	-30.5	32.2	180	.2	-32.2	31.9	175	2.5	-31.8
535.0	34.1	178	.9	-34.1	31.7	176	2.4	-31.6	28.0	173	3.3	-27.8
559.0	24.3	159	8.7	-22.7	24.4	154	10.5	-22.0	24.8	161	8.0	-23.4
583.0	25.0	175	2.3	-24.9	23.6	182	-.9	-23.6	23.6	185	-2.1	-23.5
607.0	23.1	185	-2.1	-23.1	23.9	188	-3.4	-23.6	19.6	193	-4.6	-19.1
631.0	16.7	205	-7.1	-15.1	13.1	200	-4.4	-12.3	9.2	194	-2.3	-8.9
655.0	13.8	185	-1.1	-13.7	12.3	188	-1.7	-12.2	20.6	197	-6.1	-19.7
679.0	14.3	179	.2	-14.3	16.1	160	5.4	-15.1	17.9	142	11.1	-14.0
703.0	16.1	170	2.8	-15.9	16.0	184	-1.2	-16.0	17.2	190	-3.0	-17.0
727.0	20.8	177	1.1	-20.8	23.4	180	.1	-23.4	26.4	186	-2.8	-26.2
751.0	29.9	187	-3.5	-29.7	35.3	186	-3.8	-35.1	38.2	180	-.1	-38.2
775.0	37.2	179	.7	-37.2	33.8	175	2.7	-33.7	30.2	178	1.1	-30.2
799.0	27.1	174	2.8	-26.9	23.6	177	1.2	-23.5	20.4	172	2.9	-20.2
823.0	17.2	170	3.0	-16.9	14.8	173	1.8	-14.7	11.1	171	1.8	-11.0
847.0	9.2	189	-1.5	-9.1	5.6	203	-2.2	-5.2	6.1	244	-5.4	-2.7
871.0	6.1	293	-5.6	2.4	7.5	244	-6.7	-3.3	8.7	197	-2.6	-8.3
895.0	16.8	180	-.1	-16.8	18.6	166	4.4	-18.1	21.1	174	2.1	-21.0
919.0	21.1	175	1.7	-21.0	25.1	182	-.9	-25.1	25.3	181	-.6	-25.3
943.0	24.3	182	-1.1	-24.3	22.5	182	-.6	-22.5	19.9	179	.3	-19.9
967.0	20.5	178	.8	-20.5	20.9	177	1.1	-20.9	23.2	178	.6	-23.2

DATA POINTS FOR PLOT ENTITLED.. 03/21/73 - 04/30/73 INSHORE ARRAY

METER 349/07 AT DEPTH 50 METERS.

PLOT ORIGIN TIME 03/21/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	.4	109	.3	-.1	6.1	177	.4	-6.1	16.2	177	.8	-16.2
55.0	18.8	175	1.5	-18.8	21.7	176	1.6	-21.6	23.5	181	-.6	-23.5
79.0	24.1	181	-.5	-24.1	21.2	171	3.3	-21.0	18.4	159	6.5	-17.2
103.0	19.4	162	5.9	-18.4	22.9	184	-1.7	-22.8	26.5	193	-5.8	-25.8
127.0	24.0	191	-4.5	-23.6	22.4	190	-4.0	-22.0	21.2	187	-2.7	-21.1
151.0	21.2	194	-5.0	-20.6	22.4	188	-2.9	-22.2	23.8	185	-1.9	-23.7
175.0	26.8	186	-2.6	-26.7	27.3	186	-2.9	-27.2	26.0	185	-2.4	-25.8
199.0	23.8	187	-2.9	-23.6	21.6	186	-2.1	-21.5	21.1	184	-1.6	-21.1
223.0	20.0	171	3.2	-19.7	24.3	171	4.0	-24.0	20.3	164	5.7	-19.5
247.0	23.4	177	1.4	-23.3	20.8	178	.8	-20.8	26.2	180	-.2	-26.2
271.0	24.5	177	1.3	-24.5	23.4	176	1.5	-23.4	21.1	181	-.5	-21.1
295.0	21.0	176	1.6	-21.0	20.9	174	2.2	-20.8	24.4	171	3.9	-24.1
319.0	27.0	179	.6	-27.0	28.6	179	.7	-28.6	27.7	179	.4	-27.7
343.0	26.3	180	.2	-26.3	24.2	178	.8	-24.2	23.9	177	1.1	-23.8
367.0	23.6	172	3.2	-23.4	25.2	173	3.1	-25.0	25.8	176	1.9	-25.7
391.0	26.8	179	.3	-26.8	25.8	181	-.6	-25.8	26.5	186	-2.8	-26.3
415.0	27.1	182	-.8	-27.1	27.2	186	-2.7	-27.1	24.4	180	-.1	-24.4
439.0	22.8	181	-.5	-22.8	20.4	180	.2	-20.4	20.2	183	-1.0	-20.2
463.0	17.3	194	-4.2	-16.8	19.4	193	-4.4	-18.9	19.4	189	-3.2	-19.2
487.0	19.4	183	-1.1	-19.3	20.9	183	-1.2	-20.9	23.3	186	-2.2	-23.2
511.0	26.8	185	-2.3	-26.7	26.1	184	-1.8	-26.1	26.3	183	-1.4	-26.2
535.0	25.3	184	-1.6	-25.3	23.8	182	-1.0	-23.8	18.3	173	2.2	-18.2
559.0	15.9	160	5.4	-14.9	15.4	155	6.4	-14.0	16.2	164	4.3	-15.6
583.0	15.3	173	1.8	-15.2	15.4	186	-1.6	-15.3	15.7	191	-2.9	-15.4
607.0	16.4	195	-4.1	-15.9	15.6	193	-3.4	-15.2	15.3	192	-3.1	-15.0
631.0	12.0	216	-7.1	-9.6	11.7	223	-8.0	-8.5	5.6	238	-4.7	-3.0
655.0	9.7	208	-4.6	-8.5	9.0	184	-.6	-9.0	16.8	197	-4.8	-16.1
679.0	16.3	176	1.1	-16.2	16.6	171	2.5	-16.4	11.7	164	3.2	-11.2
703.0	11.4	176	.8	-11.4	8.2	182	-.4	-8.2	15.4	180	.1	-15.4
727.0	16.6	176	1.1	-16.6	21.4	182	-.7	-21.4	23.1	183	-1.2	-23.1
751.0	29.7	186	-3.3	-29.5	34.9	190	-6.3	-34.4	34.5	190	-6.0	-34.0
775.0	31.2	190	-5.3	-30.8	28.4	187	-3.4	-28.2	26.3	185	-2.3	-26.2
799.0	23.3	182	-.7	-23.3	19.2	179	.4	-19.2	16.5	184	-1.2	-16.5
823.0	10.5	185	-1.0	-10.5	6.9	206	-3.0	-6.2	2.2	258	-2.2	-.5
847.0	2.8	351	-.5	2.7	5.9	4	.5	5.9	8.3	2	.3	8.3
871.0	19.6	346	-2.6	10.3	9.2	340	-3.1	8.7	5.2	4	.4	5.2
895.0	3.1	108	3.0	-.9	9.5	138	6.4	-7.1	13.8	159	4.9	-12.9
919.0	17.0	175	1.4	-16.9	20.1	182	-.7	-20.1	19.9	187	-2.5	-19.7
943.0	20.0	180	-.0	-20.0	18.1	183	-.9	-18.1	16.8	176	1.3	-16.7
967.0	16.8	178	.7	-16.8	14.8	166	3.7	-14.4	14.9	176	1.1	-14.9

DATA POINTS FOR PLOT ENTITLED.. 03/21/73 - 04/30/73 INSHORE ARRAY

METER 529/03 AT DEPTH 66 METERS.

PLOT ORIGIN TIME 03/21/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	3.6	158	1.3	-3.3	9.1	174	1.0	-9.0	16.2	174	1.6	-16.1
55.0	20.6	174	2.2	-20.5	22.8	171	3.6	-22.5	24.9	177	1.2	-24.9
79.0	25.1	176	1.8	-25.0	21.8	167	4.8	-21.3	18.7	155	7.8	-17.0
103.0	17.2	155	7.2	-15.6	20.3	179	.5	-20.3	23.0	188	-3.1	-22.8
127.0	22.3	188	-3.2	-22.1	21.0	189	-3.2	-20.8	18.2	186	-1.9	-18.1
151.0	18.5	188	-2.6	-18.3	20.4	185	-1.8	-20.3	22.9	183	-1.1	-22.9
175.0	25.6	184	-1.7	-25.6	26.1	183	-1.3	-26.0	23.8	184	-1.5	-23.8
199.0	19.6	186	-2.1	-19.5	11.7	190	-2.1	-11.6	10.7	185	-.9	-10.7
223.0	8.7	156	3.5	-8.0	12.6	165	3.2	-12.1	12.5	162	3.9	-11.9
247.0	14.4	172	2.0	-14.2	13.0	170	2.4	-12.8	15.6	171	2.5	-15.4
271.0	17.7	175	1.7	-17.7	19.6	168	4.0	-19.2	18.2	176	1.4	-18.1
295.0	17.6	171	2.8	-17.3	15.6	182	-.4	-15.6	19.2	171	2.9	-19.0
319.0	17.8	178	.5	-17.8	21.4	170	3.6	-21.1	20.8	174	2.3	-20.7
343.0	24.0	175	2.2	-23.9	22.5	174	2.2	-22.4	21.0	174	2.1	-20.9
367.0	17.7	169	3.5	-17.3	16.3	173	2.1	-16.2	15.3	168	3.1	-15.0
391.0	15.6	178	.5	-15.5	15.1	177	.7	-15.1	14.4	188	-1.9	-14.3
415.0	15.7	184	-1.0	-15.7	15.8	188	-2.1	-15.7	15.1	187	-1.8	-15.0
439.0	12.9	180	-.0	-12.9	10.7	176	.8	-10.6	5.5	187	-.7	-5.5
463.0	5.1	175	.5	-5.0	4.6	188	-.6	-4.5	11.3	167	2.6	-11.0
487.0	10.6	176	.8	-10.5	17.3	177	.8	-17.3	16.4	182	-.6	-16.4
511.0	20.5	181	-.2	-20.5	23.3	181	-.3	-23.3	26.8	185	-2.1	-26.7
535.0	27.2	186	-2.7	-27.1	20.7	188	-2.7	-20.5	13.6	171	2.2	-13.4
559.0	5.8	151	2.8	-5.1	5.5	115	5.0	-2.4	2.4	99	2.4	-.4
583.0	.9	190	-.2	-.9	2.1	201	-.8	-1.9	3.8	212	-2.0	-3.3
607.0	4.3	187	-.5	-4.3	5.4	194	-1.3	-5.2	5.2	184	-.3	-5.2
631.0	1.8	273	-1.8	.1	7.3	314	-5.2	5.0	6.0	320	-3.8	4.6
655.0	6.1	272	-6.1	.2	6.7	187	-.8	-6.7	7.8	188	-1.0	-7.8
679.0	10.5	178	.4	-10.5	7.6	165	1.9	-7.3	6.5	202	-2.4	-6.1
703.0	8.9	185	-.8	-8.8	8.1	194	-2.0	-7.9	12.0	181	-.2	-12.0
727.0	12.7	169	2.3	-12.5	14.8	178	.5	-14.8	17.0	176	1.2	-16.9
751.0	17.9	183	-1.0	-17.9	22.9	185	-2.1	-22.8	23.5	183	-1.4	-23.4
775.0	24.6	183	-1.1	-24.5	22.6	185	-2.0	-22.5	22.0	188	-3.2	-21.7
799.0	19.5	189	-3.0	-19.3	15.5	186	-1.6	-15.5	9.3	189	-1.5	-9.2
823.0	3.6	197	-1.1	-3.5	4.3	5	.4	4.3	8.5	5	.7	8.4
847.0	11.3	5	1.1	11.3	9.8	0	.1	9.8	8.8	355	-.8	8.7
871.0	9.1	354	-1.0	9.1	6.4	338	-2.4	6.0	1.4	30	.7	1.2
895.0	2.5	188	-.3	-2.5	7.6	171	1.1	-7.6	9.1	179	.1	-9.1
919.0	14.3	183	-.8	-14.2	15.1	181	-.3	-15.1	18.0	190	-3.0	-17.8
943.0	16.5	183	-1.0	-16.5	14.4	186	-1.6	-14.3	10.4	179	.1	-10.4
967.0	9.2	181	-.1	-9.2	8.9	170	1.5	-8.8	7.8	176	.6	-7.8

DATA POINTS FOR PLOT ENTITLED.. 03/21/73 - 04/30/73 INSHORE ARRAY

METER 351/08 AT DEPTH 71 METERS.

PLOT ORIGIN TIME 03/21/73 0000

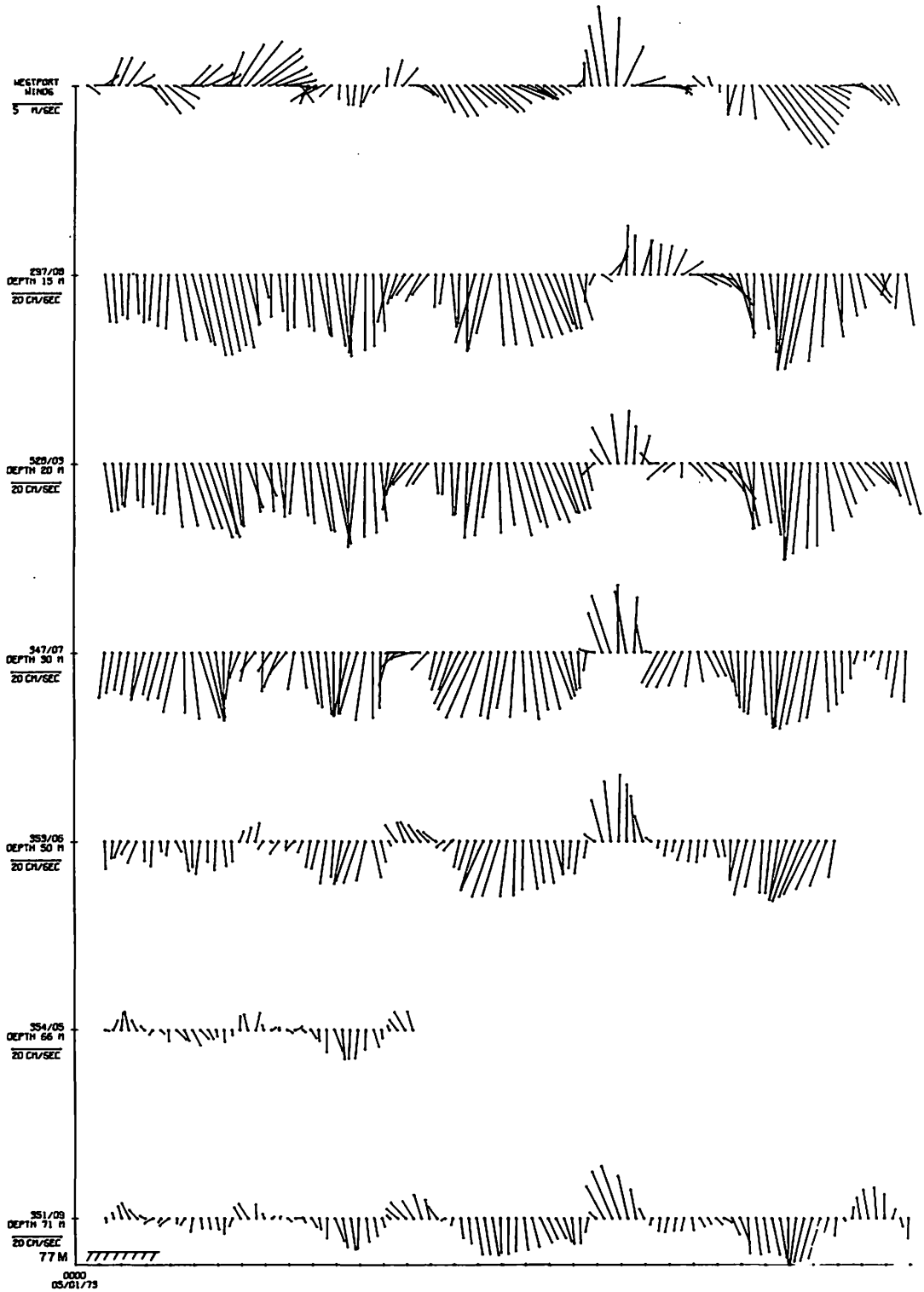
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP	U	V	SPEED	DIP	U	V	SPEED	DIP	U	V
31.0	6.7	178	.2	-6.7	10.1	166	2.4	-9.8	15.6	165	4.0	-15.1
55.0	18.8	166	4.6	-18.3	21.5	165	5.4	-20.8	23.7	175	1.9	-23.6
79.0	24.5	173	2.9	-24.3	20.0	165	5.0	-19.4	17.1	152	8.1	-15.0
103.0	14.2	151	6.9	-12.4	15.4	181	-0.1	-15.4	17.1	188	-2.5	-17.0
127.0	18.2	193	-4.1	-17.7	18.8	188	-2.6	-18.6	17.7	188	-2.5	-17.5
151.0	17.7	189	-2.7	-17.5	19.3	185	-1.8	-19.2	21.6	181	-.5	-21.6
175.0	24.5	182	-1.0	-24.5	24.1	182	-.9	-24.1	21.5	181	-.5	-21.5
199.0	16.0	181	-.3	-16.0	6.1	193	-1.3	-6.9	3.1	212	-1.7	-2.7
223.0	2.6	51	2.0	1.6	5.8	138	3.9	-4.3	8.6	146	4.9	-7.1
247.0	12.8	165	3.3	-12.4	11.5	169	2.2	-11.3	13.3	157	5.2	-12.2
271.0	14.3	163	4.3	-13.7	16.8	160	5.8	-15.8	15.5	175	1.3	-15.5
295.0	15.3	164	4.1	-14.8	12.4	161	4.0	-11.7	16.0	162	5.0	-15.2
319.0	13.7	170	2.3	-13.5	19.1	167	4.3	-18.6	19.1	169	3.5	-18.8
343.0	22.2	175	2.0	-22.2	20.2	183	-1.0	-20.2	18.8	176	1.2	-18.8
367.0	15.5	166	3.8	-15.0	13.4	167	3.1	-13.0	10.9	167	2.4	-10.6
391.0	10.2	179	.2	-10.2	12.7	178	.4	-12.7	14.0	180	-.1	-14.0
415.0	17.0	175	1.5	-16.9	15.8	171	2.4	-15.7	13.5	174	1.4	-13.4
439.0	11.3	166	2.7	-11.0	9.2	168	1.9	-9.0	3.8	173	.5	-3.8
463.0	3.0	191	-.6	-2.9	.9	222	-.6	-.7	8.6	170	1.4	-8.5
487.0	8.9	168	1.8	-8.7	17.0	171	2.7	-16.8	15.4	167	3.3	-15.0
511.0	20.5	169	4.0	-20.1	21.0	170	3.8	-20.7	22.7	176	1.6	-22.7
535.0	21.5	178	.8	-21.4	16.5	181	-.2	-16.5	10.8	160	3.7	-10.1
559.0	3.6	92	3.6	-.1	3.5	53	2.8	2.1	4.1	30	2.0	3.5
583.0	.8	248	-.8	-.3	1.3	186	-.1	-1.2	2.7	210	-1.3	-2.4
607.0	1.7	203	-.6	-1.5	1.3	224	-.9	-.9	2.1	241	-1.8	-1.0
631.0	3.5	301	-3.9	1.8	7.2	313	-5.3	4.9	4.8	315	-3.4	3.4
655.0	5.5	236	-4.6	-3.1	9.9	189	-1.5	-9.8	11.8	183	-.6	-11.8
679.0	11.9	182	-.4	-11.9	8.3	165	2.1	-8.1	7.4	200	-2.6	-6.9
703.0	8.7	196	-.9	-8.6	9.2	187	-1.1	-9.1	10.5	178	.4	-10.5
727.0	12.0	162	3.6	-11.5	13.3	166	3.2	-12.9	17.2	164	4.7	-16.6
751.0	16.7	166	3.9	-16.2	19.8	172	2.8	-19.6	18.8	171	2.8	-18.6
775.0	20.9	174	2.3	-20.8	20.3	181	-.4	-20.3	20.2	183	-1.1	-20.1
799.0	18.5	185	-1.6	-18.4	15.1	184	-1.0	-15.1	8.8	196	-2.4	-8.5
823.0	3.0	248	-2.7	-1.1	6.4	352	-.9	6.4	8.6	354	-.8	8.6
847.0	9.4	357	-.5	9.4	7.7	353	-.9	7.6	6.9	350	-1.2	6.8
871.0	7.6	351	-1.1	7.6	4.9	338	-1.9	4.5	1.3	81	1.3	.2
895.0	3.6	176	.3	-3.6	7.1	167	1.6	-7.0	8.1	173	1.1	-8.0
919.0	12.2	177	.6	-12.2	14.1	174	1.5	-14.0	16.6	179	.4	-16.6
943.0	16.5	168	3.3	-16.2	14.3	168	2.9	-14.0	10.4	164	2.8	-10.1
967.0	8.4	167	1.9	-8.1	7.3	169	1.4	-7.1	5.9	176	.5	-5.9

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05/01/73 - 06/04/73 INSHORE ARRAY
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 6 HOURS



DATA POINTS FOR PLOT ENTITLED.. 05/01/73 - 06/04/73 INSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V	SPEED	DIR FROM	U	V
12.0	1.6	306	1.3	-.9	2.0	270	2.0	.0	1.9	237	1.6	1.0
36.0	3.1	202	1.1	2.9	3.3	205	1.4	2.9	3.1	217	1.8	2.5
60.0	2.3	241	2.0	1.1	1.5	285	1.5	-.4	2.6	320	1.7	-2.0
84.0	3.8	322	2.3	-3.0	3.8	310	2.9	-2.4	2.9	299	2.6	-1.4
108.0	2.2	272	2.2	-.1	3.0	224	2.1	2.1	3.4	228	2.5	2.2
132.0	3.1	244	2.8	1.4	2.8	271	2.8	-.0	2.3	239	2.0	1.2
156.0	3.9	202	1.4	3.5	5.2	212	2.7	4.4	6.1	219	3.8	4.7
180.0	6.3	232	5.0	3.9	5.3	234	4.3	3.1	4.4	243	3.9	2.0
204.0	3.9	251	3.7	1.3	3.4	259	3.3	.6	2.5	278	2.5	-.4
228.0	2.3	324	1.3	-1.8	2.1	24	-.8	-1.9	3.1	57	-2.6	-1.7
252.0	2.6	63	-2.3	-1.2	1.7	46	-1.2	-1.2	1.5	2	-.1	-1.5
276.0	2.1	357	.1	-2.1	2.1	6	-.2	-2.1	2.2	7	-.3	-2.2
300.0	2.0	25	-.8	-1.9	1.0	37	-.6	-.8	1.9	185	.2	1.9
324.0	2.9	197	.8	2.7	2.4	221	1.6	1.8	1.8	276	1.8	-.2
348.0	2.0	301	1.7	-1.0	1.8	313	1.3	-1.2	2.2	326	1.2	-1.8
372.0	3.2	334	1.4	-2.9	3.9	329	2.0	-3.3	3.9	326	2.2	-3.3
396.0	3.2	316	2.3	-2.3	3.1	309	2.4	-1.9	3.7	310	2.8	-2.3
420.0	4.2	313	3.1	-2.9	4.0	314	2.9	-2.9	3.4	304	2.8	-1.9
444.0	3.6	294	3.3	-1.4	3.7	292	3.5	-1.4	3.4	296	3.1	-1.5
468.0	2.6	304	2.2	-1.5	1.6	310	1.2	-1.0	1.5	309	1.2	-1.0
492.0	1.4	306	1.1	-.8	1.3	273	1.3	-.1	1.1	226	.8	.8
516.0	2.5	180	.0	2.5	3.9	170	-.7	3.8	6.5	170	-1.2	6.4
540.0	8.5	173	-1.0	8.4	7.2	182	.3	7.2	4.6	205	2.0	4.2
564.0	3.5	254	3.4	1.0	3.5	270	3.5	.0	3.0	269	3.0	.0
588.0	2.9	276	2.9	-.3	2.4	280	2.4	-.4	2.0	283	2.0	-.5
612.0	1.6	309	1.2	-1.0	.9	10	-.1	-.9	1.4	76	-1.3	-.3
636.0	1.5	133	-1.1	1.0	1.0	161	-.3	.9	.7	1	-.0	-.7
660.0	2.7	359	.0	-2.7	3.3	15	-.8	-3.1	3.2	7	-.4	-3.1
684.0	3.6	353	.4	-3.6	5.6	327	3.1	-4.7	7.7	324	4.5	-6.2
708.0	8.2	323	4.9	-6.5	7.8	323	4.6	-6.2	6.7	319	4.4	-5.0
732.0	5.7	316	4.0	-4.1	4.9	312	3.6	-3.3	4.2	305	3.4	-2.4
756.0	3.0	300	2.6	-1.5	2.1	293	1.9	-.8	1.4	263	1.4	.2
780.0	1.5	261	1.5	.2	1.8	291	1.7	-.7	2.4	311	1.8	-1.6
804.0	2.7	319	1.8	-2.0	2.1	323	1.3	-1.7	2.4	332	1.1	-2.1

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DATA POINTS FOR PLOT ENTITLED.. 05/01/73 - 06/04/73 INSHORE ARRAY

METER 297/08 AT DEPTH 15 METERS.

PLOT ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	20.1	174	2.1	-20.0	20.3	176	1.4	-20.2	17.2	178	.7	-17.2
55.0	18.7	182	-.6	-18.7	16.3	177	.7	-16.3	20.1	181	-.4	-20.1
79.0	19.1	184	-1.4	-19.1	21.6	183	-1.2	-21.6	22.8	183	-1.1	-22.8
103.0	26.2	172	4.0	-27.9	27.9	169	5.1	-27.5	29.4	165	7.8	-28.3
127.0	30.3	168	6.2	-29.7	34.9	168	7.4	-34.1	34.5	169	6.8	-33.8
151.0	32.9	168	6.6	-32.2	30.5	169	6.0	-29.9	31.4	169	6.0	-30.8
175.0	21.2	166	5.1	-20.6	21.3	176	1.4	-21.3	10.0	167	2.3	-9.7
199.0	17.8	180	.0	-17.8	15.5	174	1.6	-15.4	23.7	179	.4	-23.7
223.0	22.4	180	-.2	-22.4	22.3	172	2.9	-22.1	24.0	176	1.7	-24.0
247.0	25.9	169	5.0	-25.4	26.3	175	2.4	-26.2	30.6	171	4.9	-30.2
271.0	31.3	174	3.4	-31.1	34.6	179	.8	-34.6	33.1	186	-3.5	-32.9
295.0	31.9	180	-.1	-31.9	30.2	179	.5	-30.2	24.0	176	1.8	-24.0
319.0	20.6	193	-4.7	-20.0	12.7	198	-3.8	-12.1	11.3	209	-5.6	-9.9
343.0	10.7	218	-6.6	-8.5	12.5	208	-5.9	-11.1	10.7	218	-6.6	-8.4
367.0	13.7	182	-.5	-13.7	12.3	188	-1.7	-12.2	22.2	175	2.1	-22.1
391.0	20.7	182	-.5	-20.7	32.4	180	-.1	-32.3	29.8	196	-8.3	-28.7
415.0	32.0	191	-6.2	-31.4	25.7	194	-6.1	-25.0	30.0	176	2.1	-29.9
439.0	29.9	173	3.9	-29.6	31.1	166	7.3	-30.2	27.9	162	8.5	-26.6
463.0	28.3	162	8.8	-26.9	27.1	159	9.8	-25.3	26.2	157	10.3	-24.1
487.0	22.2	159	7.8	-20.8	23.6	165	6.0	-22.8	23.3	168	4.7	-22.8
511.0	20.0	163	5.8	-19.1	11.4	183	-.6	-11.4	4.7	207	-2.1	-4.2
535.0	4.8	127	3.9	-2.9	19.3	42	6.8	7.7	12.9	18	4.0	12.3
559.0	21.1	2	.7	21.1	16.8	1	.4	16.8	15.4	16	4.2	14.8
583.0	14.8	2	.5	14.8	13.0	5	1.2	12.9	12.6	11	2.4	12.3
607.0	11.8	25	5.0	10.7	10.0	56	8.3	5.5	9.5	90	9.5	-.1
631.0	8.7	120	7.5	-4.3	11.4	116	10.2	-5.1	9.0	107	8.6	-2.6
655.0	15.9	133	11.7	-10.8	15.8	145	9.0	-12.9	26.2	165	7.0	-25.2
679.0	22.7	173	2.6	-22.5	27.0	181	-.2	-27.0	23.2	173	2.8	-23.0
703.0	29.6	174	3.2	-29.5	33.0	181	-.7	-33.0	39.8	185	-3.6	-39.6
727.0	41.0	190	-6.8	-40.4	40.8	190	-7.2	-40.1	38.2	192	-8.2	-37.4
751.0	37.1	186	-4.0	-36.9	30.5	183	-1.5	-30.5	26.7	172	3.9	-26.4
775.0	19.9	180	-.0	-19.9	17.7	171	2.9	-17.5	14.4	167	3.1	-14.1
799.0	15.6	140	10.0	-12.0	11.9	143	7.2	-9.5	6.3	165	1.7	-6.1
823.0	9.3	203	-3.6	-8.5	14.4	184	-1.1	-14.3	21.7	172	3.1	-21.5

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DATA POINTS FOR PLOT ENTITLED.. 05/01/73 - 06/04/73 INSHORE ARRAY

METER 528/03 AT DEPTH 20 METERS.

PLOT ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	20.3	172	3.0	-20.1	19.6	173	2.3	-19.4	17.1	177	.9	-17.1
55.0	18.0	185	-1.6	-17.9	15.2	178	.6	-15.2	18.1	182	-.6	-18.1
79.0	16.8	179	.2	-16.8	20.9	184	-1.3	-20.8	21.1	185	-1.7	-21.0
103.0	26.8	174	2.6	-26.7	26.7	168	5.7	-26.1	28.8	162	9.0	-27.3
127.0	28.8	161	9.3	-27.3	32.7	162	10.3	-31.1	32.6	162	10.1	-31.0
151.0	29.9	169	5.6	-29.4	26.1	170	4.4	-25.7	26.4	176	1.8	-26.3
175.0	19.4	161	6.5	-18.3	20.4	174	2.2	-20.2	14.6	157	5.6	-13.5
199.0	20.1	176	1.2	-20.0	18.5	172	2.4	-18.3	22.5	182	-.9	-22.5
223.0	21.1	185	-2.0	-21.0	22.0	173	2.5	-21.9	25.3	176	1.8	-25.2
247.0	28.8	169	5.6	-28.2	29.1	173	3.8	-28.9	33.5	168	6.8	-32.8
271.0	34.0	173	3.9	-33.8	35.1	181	-.6	-35.1	31.8	186	-3.3	-31.7
295.0	30.8	181	-.3	-30.8	29.2	177	1.5	-29.1	24.2	174	2.5	-24.0
319.0	19.4	187	-2.5	-19.3	13.8	199	-4.4	-13.0	11.2	213	-6.1	-9.4
343.0	11.8	223	-8.0	-8.7	11.0	211	-5.7	-9.4	10.6	217	-6.3	-8.5
367.0	12.6	175	1.1	-12.6	12.8	182	-.5	-12.8	21.7	178	.8	-21.7
391.0	21.5	185	-1.7	-21.4	31.4	182	-1.1	-31.4	27.3	189	-4.1	-27.0
415.0	30.7	187	-3.5	-30.5	23.0	189	-3.4	-22.7	29.4	178	.9	-29.4
439.0	26.2	173	3.3	-26.0	31.3	167	7.0	-30.5	25.8	163	7.5	-24.7
463.0	27.8	165	7.0	-26.9	25.4	159	8.9	-23.8	26.6	159	9.6	-24.8
487.0	22.7	156	9.3	-20.7	21.9	161	7.0	-20.8	20.5	163	6.1	-19.6
511.0	19.4	165	4.9	-18.8	11.5	167	2.5	-11.2	6.3	226	-4.5	-4.4
535.0	7.5	322	-4.6	5.9	16.9	335	-7.2	15.3	20.8	353	-2.5	20.7
559.0	22.3	3	1.4	22.2	15.7	3	.9	15.7	12.1	15	3.2	11.7
583.0	5.7	320	-3.7	4.4	3.6	269	-3.6	-.1	10.0	229	-7.5	-6.5
607.0	5.2	231	-4.1	-3.3	5.8	181	-.1	-5.8	7.3	134	5.2	-5.1
631.0	9.2	143	5.6	-7.3	10.9	132	8.1	-7.3	8.2	117	7.3	-3.8
655.0	14.7	142	9.2	-11.5	18.4	145	10.5	-15.1	28.6	166	6.9	-27.7
679.0	26.9	168	5.4	-26.3	27.9	181	-.6	-27.9	25.4	171	3.8	-25.1
703.0	30.5	171	4.5	-30.2	36.6	175	3.2	-36.4	40.9	181	-.8	-40.9
727.0	40.9	185	-3.8	-40.7	38.5	186	-3.8	-38.3	35.8	182	-1.3	-35.8
751.0	35.0	181	-.4	-35.0	28.7	174	3.0	-28.6	23.8	162	7.3	-22.7
775.0	18.0	161	5.8	-17.0	13.3	149	6.9	-11.4	11.6	144	6.8	-9.4
799.0	12.6	132	9.3	-8.5	14.0	138	9.4	-10.4	12.2	150	6.2	-10.5
823.0	14.4	163	4.3	-13.8	18.3	164	5.2	-17.6	22.4	165	6.0	-21.6

A-246

DATA POINTS FOR PLOT ENTITLED.. 05/01/73 - 06/04/73 INSHORE ARRAY

METER 347/07 AT DEPTH 30 METERS.

PLOT ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	18.9	187	-2.4	-18.7	17.0	189	-2.6	-16.8	15.7	189	-2.6	-15.5
55.0	17.5	190	-3.1	-17.2	17.7	187	-2.2	-17.5	20.4	196	-5.6	-19.6
79.0	17.7	193	-3.9	-17.2	20.2	195	-5.2	-19.5	19.4	193	-4.3	-18.9
103.0	25.4	192	-5.4	-24.8	25.2	179	.4	-25.2	27.9	174	3.1	-27.8
127.0	28.3	163	8.2	-27.1	29.3	166	6.9	-28.5	27.5	172	3.9	-27.2
151.0	23.5	180	.2	-23.5	19.4	187	-2.5	-19.2	11.2	202	-4.2	-10.4
175.0	12.0	194	-2.9	-11.7	9.4	218	-5.7	-7.5	16.2	182	-.5	-16.2
199.0	9.2	214	-5.2	-7.6	15.6	204	-6.3	-14.3	11.1	219	-6.9	-8.6
223.0	15.5	190	-2.7	-15.2	14.9	173	1.8	-14.8	21.6	171	3.4	-21.3
247.0	23.1	176	1.8	-23.0	25.8	175	2.4	-25.7	26.4	180	.0	-26.4
271.0	25.4	183	-1.3	-25.3	26.2	194	-6.5	-25.3	26.6	196	-7.5	-25.6
295.0	28.6	188	-4.1	-28.3	27.4	180	-.1	-27.4	23.1	181	-.6	-23.1
319.0	14.0	197	-4.0	-13.5	9.5	226	-6.8	-6.7	7.7	269	-7.7	-.1
343.0	9.0	254	-8.7	-2.4	7.0	265	-7.0	-.6	9.6	224	-6.7	-6.9
367.0	11.3	193	-2.5	-11.0	16.4	198	-5.1	-15.6	16.3	199	-5.2	-15.4
391.0	23.7	206	-10.5	-21.3	26.8	207	-12.3	-23.8	30.0	204	-12.3	-27.4
415.0	28.5	199	-9.2	-27.0	27.0	190	-4.5	-26.6	28.1	190	-4.8	-27.7
439.0	23.8	190	-4.3	-23.4	27.2	184	-2.0	-27.1	24.7	178	1.0	-24.7
463.0	28.4	173	3.4	-28.2	24.4	171	3.9	-24.1	24.2	167	5.6	-23.5
487.0	20.5	160	7.0	-19.3	18.8	164	5.2	-18.1	15.9	171	2.5	-15.7
511.0	14.9	178	.6	-14.9	7.6	189	-1.2	-7.5	6.2	283	-6.0	1.4
535.0	17.5	341	-5.7	16.5	25.0	342	-7.6	23.9	28.4	360	-.0	28.4
559.0	25.9	350	-4.4	25.5	23.1	3	1.4	23.1	11.7	348	-2.4	11.5
583.0	1.8	283	-1.7	.4	14.4	208	-6.9	-12.7	16.6	210	-8.3	-14.4
607.0	16.4	207	-7.4	-14.6	15.1	202	-5.8	-14.0	14.4	188	-2.0	-14.3
631.0	12.3	171	1.9	-12.1	11.3	154	5.0	-10.2	10.9	154	4.8	-9.9
655.0	13.1	161	4.3	-12.4	18.5	172	2.6	-18.3	23.3	179	.6	-23.3
679.0	25.0	182	-1.0	-25.0	26.1	186	-2.7	-25.9	26.1	176	1.7	-26.0
703.0	30.1	178	.9	-30.1	31.1	182	-1.2	-31.1	32.2	190	-5.6	-31.7
727.0	32.8	191	-6.0	-32.2	30.8	192	-6.5	-30.2	29.4	199	-4.5	-29.1
751.0	27.9	190	-4.7	-27.5	24.8	178	.9	-24.8	22.0	177	1.1	-22.0
775.0	17.0	179	.2	-17.0	11.1	178	.4	-11.0	5.0	198	-1.6	-4.7
799.0	3.5	186	-.4	-3.5	2.3	213	-1.2	-1.9	7.3	194	-1.8	-7.1
823.0	11.3	188	-1.6	-11.2	19.0	188	-2.8	-18.8	21.0	183	-1.0	-20.9

DATA POINTS FOR PLOT ENTITLED.. J5/01/73 - 06/04/73 INSHORE ARRAY

METER 353/06 AT DEPTH 50 METERS.

PLOT ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	11.7	178	.4	-11.7	7.5	185	-.6	-7.0	7.2	201	-2.6	-6.7
55.0	6.1	210	-3.0	-5.2	9.6	203	-3.7	-8.8	8.2	180	.0	-8.2
79.0	10.4	184	-.6	-10.4	4.1	173	.5	-4.1	5.8	187	-.8	-5.7
103.0	4.7	153	2.1	-4.2	12.6	171	2.0	-12.4	10.6	179	.2	-10.6
127.0	13.8	187	-1.7	-13.7	8.6	181	-.1	-8.6	12.1	183	-.5	-12.1
151.0	10.5	174	1.1	-10.4	8.4	178	.3	-8.4	4.5	22	1.7	4.2
175.0	6.1	16	1.7	5.9	8.0	13	1.8	7.8	3.7	215	-2.1	-3.1
199.0	.9	126	.7	-.5	6.3	215	-3.6	-5.2	2.5	190	-.4	-2.5
223.0	5.1	224	-3.6	-3.6	5.0	202	-1.9	-4.7	10.9	190	-1.9	-10.7
247.0	12.0	194	-2.9	-11.7	18.1	188	-2.6	-17.9	15.0	185	-1.3	-14.9
271.0	18.2	190	-3.3	-17.9	17.5	199	-5.7	-16.5	18.4	199	-5.9	-17.4
295.0	16.9	193	-3.8	-16.4	15.4	168	3.2	-15.1	8.8	167	2.0	-8.6
319.0	2.0	153	.9	-1.8	8.4	326	-4.8	6.9	8.6	339	-3.1	8.0
343.0	9.5	329	-4.8	8.1	8.4	325	-4.9	6.9	6.5	316	-4.5	4.7
367.0	6.5	307	-5.2	3.9	3.8	231	-3.0	-2.4	5.1	221	-3.4	-3.9
391.0	11.1	193	-2.4	-10.8	12.4	197	-3.6	-11.9	20.5	197	-6.0	-19.6
415.0	22.9	205	-9.6	-20.8	24.9	199	-8.2	-23.5	24.1	197	-7.1	-23.1
439.0	23.5	187	-3.0	-23.3	22.9	182	-.7	-22.9	20.6	181	-.4	-20.6
463.0	20.4	173	2.6	-20.2	17.6	173	2.1	-17.5	17.8	171	2.9	-17.6
487.0	13.9	166	3.4	-13.5	14.0	180	.0	-14.0	11.4	185	-.9	-11.3
511.0	13.6	187	-1.7	-13.5	7.0	189	-1.1	-6.9	4.9	306	-4.0	2.9
535.0	18.0	345	-4.5	17.4	25.7	354	-2.6	25.5	28.4	1	.6	28.4
559.0	24.1	0	.2	24.1	19.3	356	-1.4	19.2	11.1	343	-3.2	10.6
583.0	2.4	309	-1.9	1.5	2.9	191	-.5	-2.8	6.3	190	-1.1	-6.2
607.0	4.5	195	-1.2	-4.4	8.4	196	-2.3	-8.1	8.5	188	-1.1	-8.4
631.0	9.0	186	-.9	-9.0	6.5	189	-1.0	-6.4	6.9	166	1.7	-6.7
655.0	6.5	172	1.0	-5.4	15.0	182	-.5	-15.0	17.0	193	-3.8	-16.6
679.0	23.3	193	-5.3	-22.7	19.9	192	-4.1	-19.5	21.9	184	-1.3	-21.9
703.0	22.2	186	-2.3	-22.1	24.6	189	-3.8	-24.3	25.9	196	-7.3	-24.8
727.0	27.2	200	-9.3	-25.6	25.5	203	-9.9	-23.6	25.1	206	-11.2	-22.4
751.0	22.5	205	-9.4	-20.5	20.4	200	-7.1	-19.1	15.5	189	-2.5	-15.3

DATA POINTS FOR PLOT ENTITLED.. 05/01/73 - 06/04/73 INSHORE ARRAY

METER 354/05 AT DEPTH 66 METERS.

PLOT ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	1.7	105	1.6	-.4	4.5	26	1.9	4.1	7.2	7	.9	7.2
55.0	8.0	348	-1.7	7.8	4.6	334	-2.0	4.1	2.4	317	-1.6	1.7
79.0	2.3	217	-1.4	-1.8	2.1	135	1.5	-1.5	4.7	178	.2	-4.7
103.0	5.4	134	3.9	-3.8	4.8	156	2.0	-4.4	7.4	152	3.4	-6.5
127.0	5.1	137	3.5	-3.7	4.3	150	2.2	-3.7	2.7	171	.4	-2.7
151.0	5.1	177	.3	-5.1	2.2	176	.2	-2.1	6.0	1	.1	6.0
175.0	6.9	347	-1.6	6.7	7.6	13	1.8	7.4	2.2	344	-.6	2.2
199.0	2.0	60	1.7	1.0	1.2	359	-.0	1.2	2.5	119	2.2	-1.2
223.0	3.3	63	3.0	1.5	1.4	133	1.0	-.9	4.2	146	2.3	-3.5
247.0	4.7	176	.3	-4.7	9.5	180	.0	-9.5	9.6	159	3.4	-8.9
271.0	12.5	176	.9	-12.4	12.0	183	-.6	-12.0	11.9	186	-1.2	-11.8
295.0	8.3	183	-.4	-8.3	7.4	163	2.1	-7.0	3.4	174	.3	-3.4
319.0	1.9	337	-.7	1.8	5.5	324	-3.2	4.4	8.8	330	-4.4	7.6
343.0	8.2	343	-2.4	7.9								

DATA POINTS FOR PLOT ENTITLED.. 05/01/73 - 06/04/73 INSHORE ARRAY

METER 351/09 AT DEPTH 71 METERS.

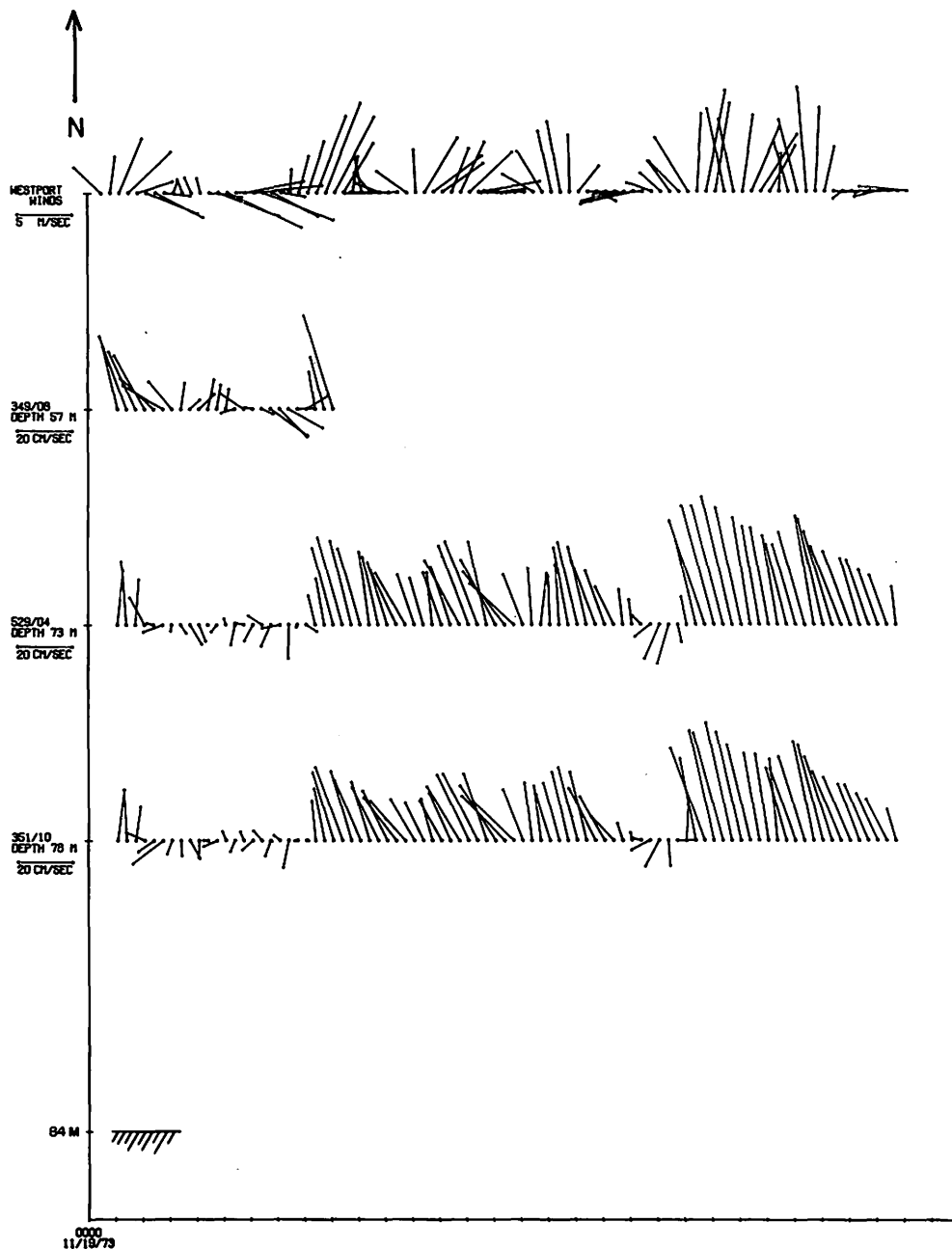
PLOT ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
31.0	1.8	171	.3	-1.8	2.3	345	-.6	2.2	5.4	344	-1.5	5.2
55.0	7.3	334	-3.2	6.5	4.9	319	-3.2	3.7	2.6	299	-2.2	1.2
79.0	4.1	241	-3.5	-2.0	2.1	217	-1.3	-1.7	5.0	232	-3.9	-3.1
103.0	2.1	181	-.0	-2.1	3.3	214	-1.9	-2.7	5.6	190	-1.0	-5.8
127.0	4.4	172	.6	-4.4	4.6	171	.7	-4.5	4.9	169	.9	-4.8
151.0	6.7	182	-.2	-6.7	3.5	202	-1.3	-3.3	5.4	332	-2.6	4.7
175.0	7.4	328	-4.0	6.3	6.1	358	-.2	6.1	2.1	341	-.7	2.0
199.0	1.1	57	.9	.6	.8	21	.3	.8	2.1	134	1.5	-1.5
223.0	2.9	87	2.9	.2	2.1	158	.8	-1.9	4.4	150	2.2	-3.8
247.0	4.9	171	.8	-4.8	8.8	181	-.2	-8.8	10.4	159	3.8	-9.7
271.0	12.6	171	2.0	-12.5	13.5	172	1.9	-13.4	13.1	182	-.5	-13.1
295.0	10.2	174	1.1	-10.1	7.6	170	1.3	-7.5	3.7	164	1.0	-3.6
319.0	1.8	314	-1.3	1.3	6.2	311	-4.7	4.1	9.2	318	-6.2	6.8
343.0	8.9	328	-4.7	7.5	10.6	343	-3.1	10.2	8.2	348	-1.6	8.1
367.0	6.1	325	-3.5	5.0	1.8	238	-1.5	-.9	3.0	195	-.8	-2.9
391.0	8.7	173	1.0	-8.6	10.9	174	1.1	-10.9	15.8	171	2.4	-15.6
415.0	15.6	172	2.3	-15.5	16.2	171	2.4	-16.0	14.8	179	.2	-14.8
439.0	15.5	180	-.1	-15.5	14.3	181	-.3	-14.3	13.7	174	1.5	-13.7
463.0	12.7	167	3.0	-12.4	11.6	155	4.9	-10.6	9.6	156	3.9	-8.8
487.0	9.4	155	4.0	-8.5	10.4	163	3.0	-9.9	11.1	175	.9	-11.0
511.0	10.7	179	.2	-10.7	5.9	191	-1.2	-5.8	3.5	314	-2.5	2.4
535.0	15.6	332	-7.3	13.8	21.7	338	-8.1	20.2	23.8	341	-7.6	22.6
559.0	18.8	348	-4.0	18.4	12.7	350	-2.2	12.5	4.4	336	-1.8	4.0
583.0	2.9	198	-.9	-2.8	5.5	186	-.6	-5.4	6.2	192	-1.3	-6.1
607.0	5.6	189	-.9	-5.5	5.4	192	-1.1	-5.3	5.3	172	.7	-5.3
631.0	4.0	152	1.9	-3.6	2.8	154	1.2	-2.5	3.7	136	2.6	-2.7
655.0	3.7	121	3.2	-1.9	7.7	157	3.0	-7.0	11.4	159	4.0	-10.7
679.0	15.4	177	.7	-15.4	15.9	173	1.9	-15.8	14.7	172	2.0	-14.6
703.0	16.1	169	3.2	-15.8	17.2	171	2.6	-17.0	19.1	181	-.2	-19.1
727.0	20.1	188	-2.8	-19.9	19.1	193	-4.3	-18.6	19.0	195	-5.1	-18.3
751.0	18.0	196	-5.1	-17.3	15.3	195	-3.9	-14.8	7.5	186	-.7	-7.5
775.0	1.3	159	.5	-1.2	4.8	8	.6	4.8	9.0	351	-1.4	8.9
799.0	12.5	351	-2.0	12.3	13.3	357	-.8	13.3	10.4	0	.0	10.4
823.0	4.1	18	1.3	3.9	3.8	166	.9	-3.7	8.8	182	-.3	-8.8

11/19/73 - 12/19/73 INSHORE ARRAY
FILTERING OVER 24 HOURS
PLOTTING VECTORS EVERY 6 HOURS



DATA POINTS FOR PLOT ENTITLED.. 11/19/73 - 12/19/73 INSHORE ARRAY

WINDS FROM WESTPORT

PLOT ORIGIN TIME 11/19/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIP FROM	U	V	SPEED	DIP FROM	U	V	SPEED	DIP FROM	U	V
12.0	3.4	134	-2.5	2.4	3.4	187	3.4	3.4	5.5	202	2.1	5.1
36.0	5.5	226	3.9	3.8	3.4	252	3.3	1.1	5.1	292	4.7	-1.9
60.0	4.4	298	4.4	-2.3	2.7	277	1.3	1.3	1.1	199	3.4	1.0
84.0	1.3	160	-1.5	1.1	1.5	156	1.4	1.4	1.4	166	3.3	1.4
108.0	3.9	278	3.0	1.4	5.0	291	5.5	-2.2	7.6	295	6.6	-1.2
132.0	5.0	288	5.0	2.2	5.6	299	5.5	1.1	6.3	264	5.3	7.7
156.0	7.7	202	6.5	-2.6	3.3	297	4.4	-2.2	2.2	280	1.3	4.7
180.0	2.1	184	2.1	1.1	3.4	195	2.9	3.4	2.2	198	1.5	7.7
204.0	7.5	221	2.7	7.0	3.8	201	3.3	2.2	7.9	208	3.3	3.0
228.0	5.3	211	2.8	4.5	3.4	188	3.4	3.3	3.2	189	1.6	3.1
252.0	2.4	141	1.5	1.8	3.4	111	2.2	2.9	4.1	89	-1.1	1.1
276.0	4.4	90	4.4	1.0	3.4	125	2.2	2.8	4.0	177	4.4	1.0
300.0	5.5	22	3.0	5.1	5.6	233	2.4	4.4	4.6	236	3.3	2.7
324.0	4.3	201	1.9	4.0	5.1	205	2.2	4.4	5.4	226	4.4	1.1
348.0	5.7	22	5.6	1.1	3.4	366	3.2	5.5	5.4	282	4.4	1.1
372.0	2.0	93	2.0	1.1	3.1	89	1.1	0.0	3.5	92	-1.3	6.6
396.0	3.3	121	2.3	1.7	4.4	149	2.2	1.3	5.8	168	1.1	5.6
420.0	6.6	169	1.2	6.5	5.3	179	1.1	1.1	3.0	218	3.3	2.4
444.0	2.7	271	2.7	1.0	2.0	297	2.0	1.1	1.2	75	1.1	3.3
468.0	3.2	74	3.2	1.0	4.4	74	1.1	1.1	3.9	77	3.3	6.7
492.0	3.4	84	3.4	2.4	2.7	110	2.4	3.3	3.9	72	1.1	1.1
516.0	2.2	84	2.2	2.4	2.7	133	2.2	2.0	5.5	132	1.1	5.8
540.0	3.3	148	3.3	2.2	2.7	191	3.3	3.3	8.3	189	1.1	2.0
564.0	7.7	168	7.7	2.2	6.9	168	1.1	7.7	7.1	188	1.1	7.7
588.0	6.4	203	6.4	5.9	5.2	212	3.3	5.3	4.8	209	2.2	2.9
612.0	3.5	174	3.5	5.9	7.7	164	1.1	3.3	6.8	166	1.1	4.9
636.0	9.9	174	9.9	6.1	7.7	153	7.7	7.7	4.2	192	1.1	1.0
660.0	6.7	22	6.7	2.0	1.1	52	1.1	1.1	8.8	88	1.1	1.0
684.0	4.4	56	4.4	1.1	6.6	89	4.4	1.1	2.4	77	-1.1	5.4
708.0	4.4	99	4.4	1.1	4.7	89	4.4	1.1	4.4	96	1.1	1.1

DATA POINTS FOR PLOT ENTITLED.. 11/19/73 - 12/19/73 INSHORE ARRAY

METER 349/08 AT DEPTH 57 METERS.

PLOT ORIGIN TIME 11/19/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
26.0	21.7	347	-5.3	23.1	28.6	340	-10.0	26.8	23.4	335	-9.9	21.2
30.0	22.7	331	-11.1	19.8	16.7	313	-12.1	11.5	16.9	301	-14.5	3.7
34.0	13.2	320	-8.5	10.1	9.7	8	1.4	9.6	5.1	46	3.7	3.5
38.0	8.0	46	5.8	5.5	11.1	12	2.3	10.9	9.0	9	1.5	8.9
42.0	7.3	9	1.1	7.2	5.2	254	-5.0	-1.4	10.5	303	-8.8	5.8
46.0	2.9	283	-2.8	7.7	4.7	114	4.3	-1.9	17.1	126	13.9	-9.9
50.0	14.6	135	10.3	-10.3	14.6	119	12.8	-7.1	6.5	87	6.5	.3
54.0	9.4	59	8.1	4.8	13.8	351	-2.3	13.6	19.7	345	-5.0	19.0
58.0	36.1	343	-10.8	34.4								

DATA POINTS FOR PLOT ENTITLED.. 11/19/73 - 12/19/73 INSHORE ARRAY

METER 351/10 AT DEPTH 78 METERS.

PLOT ORIGIN TIME 11/19/73 0000

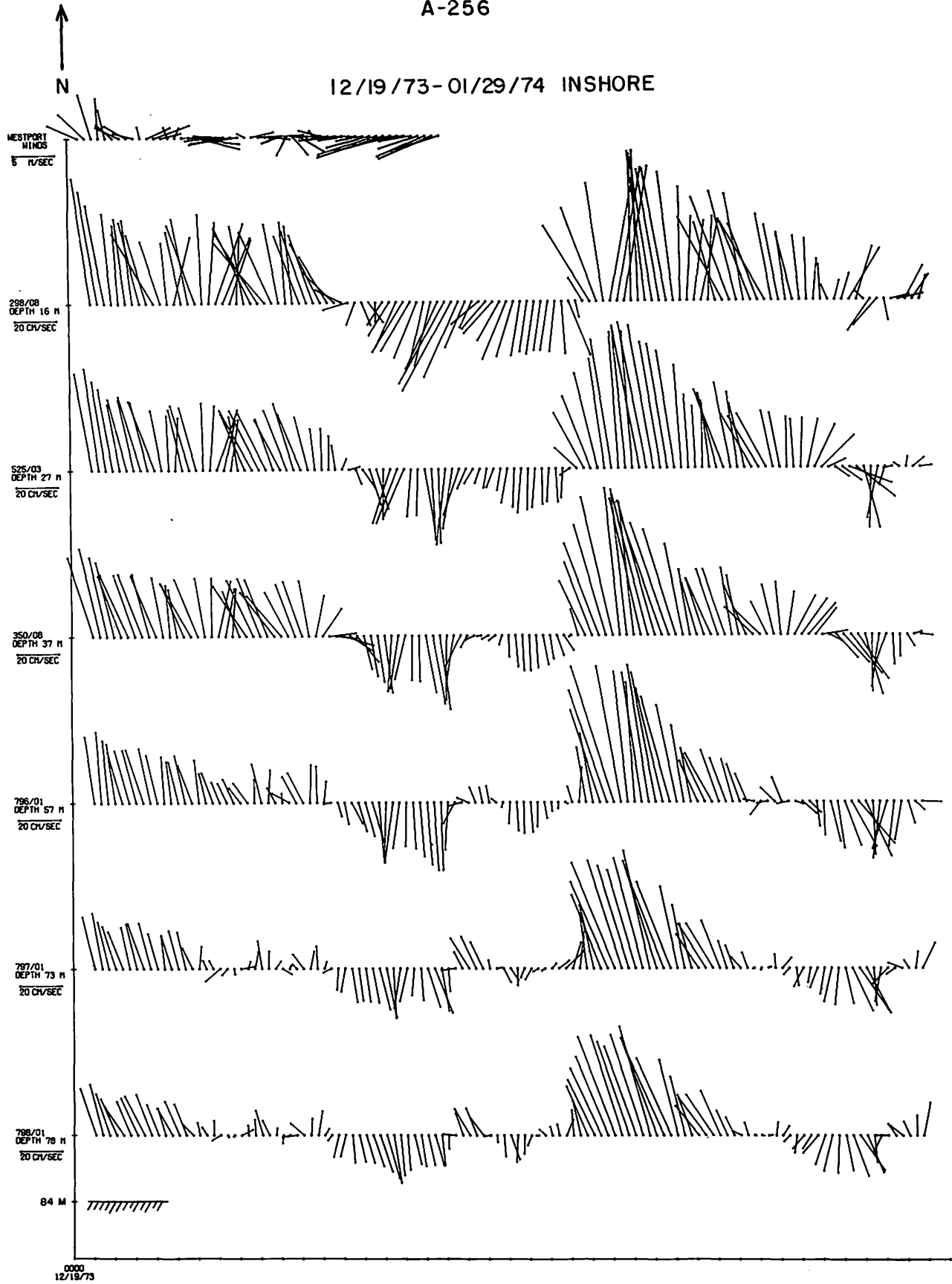
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
26.0	18.9	7	0.3	18.8	12.6	7	1.6	12.5				
50.0	18.7	294	-0.0	18.9	14.1	232	-11.1	11.6				
74.0	5.4	201	-1.1	3.3	7.5	151	3.3	0.6				
98.0	3.6	180	-1.1	-5.0	4.4	247	-5.0	0.0				
122.0	3.6	337	-1.4	3.3	3.5	355	-1.1	0.0				
146.0	5.3	228	-4.4	-3.3	6.1	200	-1.1	0.0				
170.0	2.9	309	-2.3	1.8	1.1	265	-1.1	1.1				
194.0	2.7	103	-7.7	0.8	19.6	68	-4.4	0.0				
218.0	26.4	333	-7.7	2.5	26.6	333	-7.7	1.0				
242.0	20.3	337	-9.9	2.2	21.9	333	-9.9	0.0				
266.0	20.6	333	-9.9	1.9	19.9	333	-13.1	0.0				
290.0	17.6	329	-9.9	1.5	15.9	44	-14.4	0.0				
314.0	16.6	330	-9.9	1.4	15.9	328	-13.1	0.0				
338.0	22.6	334	-11.1	2.2	23.3	41	-18.8	0.0				
362.0	22.4	327	-11.1	2.1	26.0	33	-14.4	0.0				
386.0	22.0	333	-7.7	1.8	20.6	33	-14.4	0.0				
410.0	20.8	333	-7.7	1.5	20.3	52	-12.2	0.0				
434.0	17.7	334	-7.7	1.5	26.6	36	-11.1	0.0				
458.0	18.3	338	-7.7	1.6	20.3	33	-11.1	0.0				
482.0	18.3	348	-7.7	1.6	7.6	41	-11.1	0.0				
506.0	10.9	208	-5.5	0.7	6.6	91	-9.9	0.0				
530.0	13.4	2	-5.5	1.3	36.5	40	-12.2	0.0				
554.0	41.7	347	-9.9	4.9	44.8	38	-9.9	0.0				
578.0	41.1	347	-9.9	4.9	33.3	30	-9.9	0.0				
602.0	33.3	351	-9.9	3.3	37.8	43	-11.1	0.0				
626.0	32.8	340	-9.9	3.2	37.8	43	-11.1	0.0				
650.0	36.7	345	-9.9	3.5	27.9	37	-10.0	0.0				
674.0	25.1	337	-10.0	2.3	32.3	37	-8.8	0.0				
698.0	18.8	335	-8.8	1.7	12.0	34	-11.1	0.0				

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12/19/73-01/29/74 INSHORE



DATA POINTS FOR PLOT ENTITLED.. 12/19/73 - 01/29/74 INSHORE ARRAY

METER 29A/C8 AT DEPTH 16 METERS.

PLOT ORIGIN TIME 12/19/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	REF	DIR	U	V	SPEED	DIR	U	V
25.0	61.4	335	0.6	5.4	0.1	351	0.8	5.4	48.6	350	-0.7	4.7
40.0	44.3	335	-0.1	4.3	0.4	351	-0.2	4.3	41.4	350	-0.5	4.1
73.0	33.0	330	-0.4	3.0	0.4	347	-0.9	3.0	34.0	344	-0.9	3.3
97.0	33.0	330	-0.4	3.0	0.4	343	-0.9	3.0	29.4	348	-0.7	3.0
121.0	14.0	330	-0.1	1.4	0.4	348	-0.7	1.4	41.7	348	-0.4	3.3
145.0	40.0	341	-0.1	4.0	0.4	358	-0.1	4.0	29.4	348	-0.4	3.0
169.0	40.0	341	-0.1	4.0	0.4	358	-0.1	4.0	41.7	348	-0.4	3.3
193.0	32.0	341	-0.1	3.2	0.4	358	-0.1	3.2	39.2	348	-0.4	3.0
217.0	32.0	341	-0.1	3.2	0.4	358	-0.1	3.2	40.0	348	-0.4	3.0
241.0	33.0	341	-0.1	3.3	0.4	350	-0.2	3.3	37.7	348	-0.4	3.0
265.0	34.0	341	-0.1	3.4	0.4	350	-0.2	3.4	40.0	348	-0.4	3.0
289.0	33.0	341	-0.1	3.3	0.4	350	-0.2	3.3	37.7	348	-0.4	3.0
313.0	33.0	341	-0.1	3.3	0.4	350	-0.2	3.3	40.0	348	-0.4	3.0
337.0	13.0	341	-0.1	1.3	0.4	350	-0.2	1.3	37.7	348	-0.4	3.0
361.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
385.0	12.0	341	-0.1	1.2	0.4	350	-0.2	1.2	37.7	348	-0.4	3.0
409.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
433.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
457.0	12.0	341	-0.1	1.2	0.4	350	-0.2	1.2	40.0	348	-0.4	3.0
481.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
505.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
529.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
553.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
577.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
601.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
625.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
649.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
673.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
697.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
721.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
745.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
769.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
793.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
817.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
841.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
865.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
889.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
913.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0
937.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	40.0	348	-0.4	3.0
961.0	11.0	341	-0.1	1.1	0.4	350	-0.2	1.1	37.7	348	-0.4	3.0

DATA POINTS FOR PLOT ENTITLED.. 12/19/73 - 01/29/74 INSHORE ARRAY

METED 525/03 AT DEPTH 27 METERS.

PLOT ORIGIN TIME 12/19/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
25.0	47.4	33	-1.3	4.7	43.2	51	-0.6	5.1	43.2	51	-0.6	5.1
49.0	30.7	33	-0.6	3.3	35.5	55	-0.8	3.8	35.5	55	-0.8	3.8
73.0	34.7	33	-0.7	3.3	33.8	53	-0.8	3.8	33.8	53	-0.8	3.8
97.0	35.5	34	-1.2	3.3	26.2	58	-0.0	2.2	26.2	58	-0.0	2.2
121.0	25.4	34	-0.3	2.2	30.9	54	0.0	3.0	30.9	54	0.0	3.0
145.0	31.3	34	-0.8	2.2	30.9	54	0.0	3.0	30.9	54	0.0	3.0
169.0	32.6	34	-0.9	2.2	34.4	54	0.0	3.4	34.4	54	0.0	3.4
193.0	32.6	34	-0.9	2.2	32.5	53	0.0	3.2	32.5	53	0.0	3.2
217.0	31.0	34	-1.4	2.2	33.3	53	0.0	3.3	33.3	53	0.0	3.3
241.0	32.6	34	-1.2	2.2	33.3	53	0.0	3.3	33.3	53	0.0	3.3
265.0	28.8	34	-1.0	2.2	19.7	55	0.0	1.9	19.7	55	0.0	1.9
289.0	19.7	34	-0.5	1.4	11.7	54	0.0	1.1	11.7	54	0.0	1.1
313.0	5.5	34	0.2	0.5	7.4	59	0.0	0.7	7.4	59	0.0	0.7
337.0	10.5	34	0.5	0.9	19.9	54	0.0	1.9	19.9	54	0.0	1.9
361.0	22.4	34	1.0	2.3	27.9	56	0.0	2.7	27.9	56	0.0	2.7
385.0	22.4	34	1.0	2.3	22.2	54	0.0	2.2	22.2	54	0.0	2.2
409.0	22.4	34	1.0	2.3	35.5	58	0.0	3.5	35.5	58	0.0	3.5
433.0	36.6	34	1.4	3.3	23.4	53	0.0	2.3	23.4	53	0.0	2.3
457.0	36.6	34	1.4	3.3	7.3	53	0.0	0.7	7.3	53	0.0	0.7
481.0	19.9	34	0.7	1.7	10.5	50	0.0	1.0	10.5	50	0.0	1.0
505.0	16.7	34	0.3	1.3	21.4	52	0.0	2.1	21.4	52	0.0	2.1
529.0	19.7	34	0.5	1.4	17.2	53	0.0	1.7	17.2	53	0.0	1.7
553.0	16.0	34	0.1	1.1	14.1	53	0.0	1.4	14.1	53	0.0	1.4
577.0	5.5	34	0.1	0.5	30.0	52	0.0	3.0	30.0	52	0.0	3.0
601.0	36.9	34	1.3	3.4	52.5	50	0.0	5.2	52.5	50	0.0	5.2
625.0	62.0	34	2.5	6.6	66.0	50	0.0	6.6	66.0	50	0.0	6.6
649.0	65.2	34	2.5	6.6	70.2	50	0.0	7.0	70.2	50	0.0	7.0
673.0	65.9	34	2.5	6.6	59.6	50	0.0	5.9	59.6	50	0.0	5.9
697.0	70.0	34	2.8	7.4	41.1	50	0.0	4.1	41.1	50	0.0	4.1
721.0	70.0	34	2.8	7.4	34.7	50	0.0	3.4	34.7	50	0.0	3.4
745.0	70.0	34	2.8	7.4	31.1	50	0.0	3.1	31.1	50	0.0	3.1
769.0	70.0	34	2.8	7.4	41.1	50	0.0	4.1	41.1	50	0.0	4.1
793.0	36.2	34	1.5	3.3	39.0	50	0.0	3.9	39.0	50	0.0	3.9
817.0	23.3	34	1.4	2.3	27.3	50	0.0	2.7	27.3	50	0.0	2.7
841.0	26.4	34	1.4	2.3	22.2	50	0.0	2.2	22.2	50	0.0	2.2
865.0	21.6	34	1.5	1.6	22.4	50	0.0	2.2	22.4	50	0.0	2.2
889.0	11.1	34	0.3	0.9	7.0	50	0.0	0.7	7.0	50	0.0	0.7
913.0	33.3	34	1.7	3.3	11.1	50	0.0	1.1	11.1	50	0.0	1.1
937.0	9.1	34	0.2	0.7	18.4	50	0.0	1.8	18.4	50	0.0	1.8
961.0	4.8	34	0.1	0.3	5.2	50	0.0	0.5	5.2	50	0.0	0.5

DATA POINTS FOR PLOT ENTITLED.. 12/19/73 - 01/29/74 INSHORE ARRAY

WETTED 350/08 AT DEPTH 37 METERS.

PLOT ORIGIN TIME 12/19/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPFFED	DIR	U	V
25.0	40.2	342	-12.2	3.2
49.0	37.0	346	-8.8	4.5
73.0	31.5	341	-18.2	2.9
97.0	34.7	338	-12.0	2.4
121.0	23.2	350	-4.4	2.2
145.0	29.2	338	-11.1	2.7
169.0	27.3	13	6.6	2.6
193.0	23.3	340	-1.7	2.1
217.0	29.5	339	-10.3	2.7
241.0	25.5	320	-16.3	1.9
265.0	27.2	341	-8.9	2.6
289.0	16.4	335	9.9	1.3
313.0	19.4	197	14.5	4.5
337.0	15.2	167	3.3	-1.5
361.0	27.5	172	-27.7	-2.2
385.0	21.5	164	-5.5	-2.9
409.0	27.5	170	-4.3	-2.7
433.0	30.7	181	-3.1	-3.0
457.0	6.3	211	-3.3	-5.3
481.0	33.2	242	-3.4	-1.6
505.0	10.2	179	10.2	-1.0
529.0	15.7	178	5.5	-1.6
553.0	11.4	171	1.8	-1.1
577.0	1.1	237	-1.1	-0.7
601.0	37.5	339	-13.8	3.4
625.0	67.1	347	-14.9	5.8
649.0	63.5	354	-6.7	6.3
673.0	65.5	345	-17.3	6.4
697.0	55.2	343	-15.9	5.0
721.0	32.5	344	-10.6	2.4
745.0	32.7	342	-10.1	3.1
769.0	28.5	349	-5.5	2.2
793.0	16.5	315	-11.7	1.6
817.0	25.2	355	-2.2	2.5
841.0	20.2	36	12.2	1.7
865.0	11.8	81	11.1	1.8
889.0	11.8	139	11.1	-1.3
913.0	29.2	164	3.3	-2.9
937.0	14.2	298	-5.5	-1.3
961.0	6.7	149	3.5	-5.7

SPFFED	DIR	U	V
43.3	347	-9.9	4.5
31.3	339	-11.0	2.0
32.4	339	-11.4	3.0
29.4	350	-5.3	2.6
27.0	337	-10.7	2.4
22.5	351	-15.6	2.2
23.5	11	5.5	2.3
29.5	327	-15.9	2.3
29.2	339	-10.6	2.7
23.9	332	-11.1	2.1
27.2	350	-4.6	2.6
12.2	83	12.7	1.5
13.5	123	11.3	-7.4
19.5	170	3.3	-1.9
26.7	184	-2.0	-2.6
21.2	181	-4.4	-2.1
33.0	170	5.7	-3.5
21.6	189	-3.5	-2.1
4.4	245	-1.1	-2.2
3.3	235	-3.4	-2.2
15.2	175	1.4	-14.9
15.4	177	1.4	-15.3
10.1	161	3.3	-9.5
12.3	344	-1.3	12.3
46.6	339	-1.4	43.9
70.6	354	-6.8	70.2
66.6	348	-14.4	65.0
58.1	341	-18.5	55.1
44.4	349	-8.8	43.3
27.9	343	-8.8	26.1
32.9	342	-1.1	31.3
25.5	335	-10.1	23.2
17.2	335	-7.4	15.5
20.6	9	3.3	20.3
19.4	41	12.7	14.6
6.6	118	5.8	-3.1
23.7	142	14.6	-1.7
18.0	180	1.7	-2.7
14.3	177	3.6	-14.3
3.2	71	3.6	1.2

SPFFED	DIR	U	V
39.1	347	-8.5	3.2
33.0	336	-13.5	3.0
31.2	345	-8.8	3.0
25.0	355	-2.2	2.4
29.2	331	-14.5	2.5
22.2	0	1.9	2.2
23.5	5	1.1	2.3
29.9	335	-12.6	2.7
26.3	323	-16.2	2.1
26.6	340	-9.1	2.5
20.0	12	4.1	1.9
10.0	97	-1.0	-1.2
16.1	140	10.3	-1.2
22.4	172	3.3	-2.2
25.5	190	-4.4	-2.2
21.5	179	3.3	-2.1
35.6	172	5.0	-2.5
16.4	206	-7.3	-1.4
1.4	265	-1.1	-1.4
3.3	199	-1.1	-1.5
16.9	177	5.5	-1.6
14.2	170	2.7	-1.3
8.8	147	1.2	-1.7
28.5	335	-1.4	2.9
54.0	344	-1.4	5.9
69.9	344	-7.7	6.9
68.8	346	-1.6	6.6
56.2	342	-1.7	5.3
31.4	351	-5.5	3.1
32.9	337	-1.1	2.5
18.8	315	-1.3	1.3
24.8	347	-5.5	2.6
20.9	28	10.0	1.8
15.7	39	9.8	1.2
15.1	138	10.0	-1.1
25.9	146	14.3	-2.1
25.5	188	3.3	-2.5
12.5	174	5.5	-1.7
5.5	97	5.4	1.0

DATA POINTS FOR PLOT ENTITLED.. 12/19/73 - 01/29/74 INSHOPE ARRAY

METER 79#/01 AT DEPTH 78 METERS.

PLOT ORIGIN TIME 12/19/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

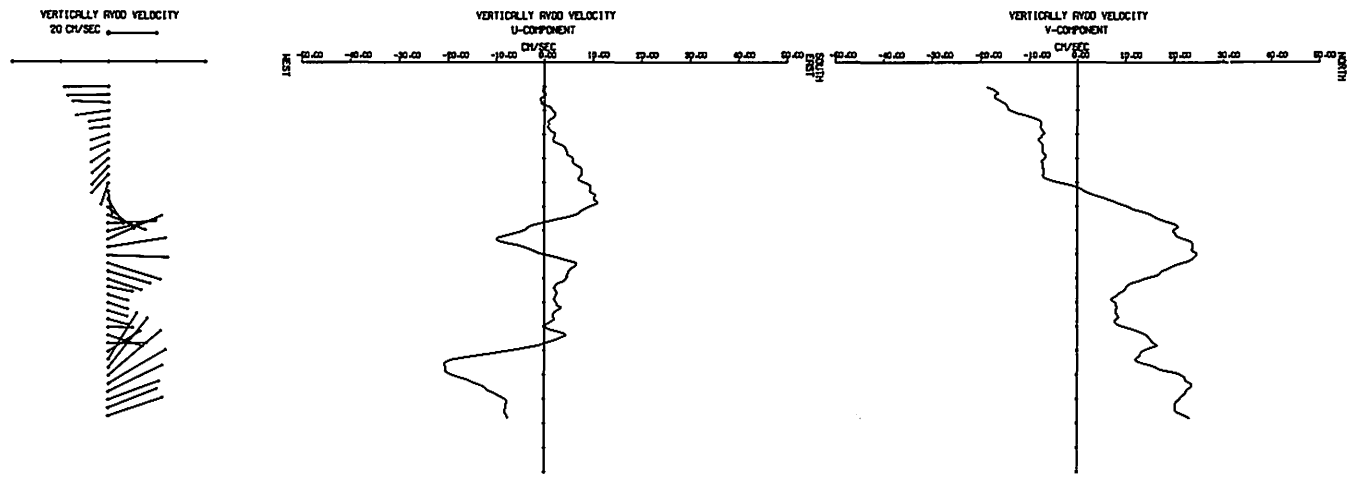
TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED	DIR	U	V	SPEED	DIR	U	V	SPEED	DIR	U	V
25.0	24.4	342	-7.4	22.5	25.2	346	-6.1	24.5	21.1	342	-6.6	20.6
49.0	19.2	337	-7.7	17.6	25.2	327	-6.2	14.0	17.7	348	-6.7	16.3
73.0	19.0	336	-7.8	13.0	21.0	334	-6.4	18.8	21.0	340	-7.5	19.7
97.0	15.0	337	-7.9	14.0	13.4	344	-6.5	12.9	15.1	331	-7.3	13.2
121.0	17.0	337	-7.7	16.5	16.0	339	-6.8	15.7	7.3	316	-5.0	5.2
145.0	6.2	349	-1.2	6.0	4.0	328	-2.5	3.9	7.0	0	0	0
169.0	4.5	239	-4.5	-3.5	4.9	159	3.3	0.8	7.9	225	-0.6	0.6
193.0	4.5	356	-2.2	2.7	4.0	356	-4.4	4.8	7.0	357	-4.4	7.6
217.0	7.7	344	-3.7	11.0	7.7	334	-4.4	7.0	3.0	266	-3.3	3.3
241.0	3.3	187	-1.1	1.1	3.3	256	-4.4	0.9	7.7	262	-7.7	3.3
265.0	3.3	311	-1.6	3.3	3.3	218	-2.0	3.1	11.0	262	-1.1	1.1
289.0	3.3	332	-2.2	3.3	3.3	175	-2.0	2.6	11.0	193	-1.1	1.1
313.0	1.0	194	-1.0	-1.0	1.0	162	-1.5	1.1	11.0	168	-2.2	-1.1
337.0	1.1	164	-1.1	-1.1	1.6	171	-2.3	0.6	13.0	162	-2.5	-1.1
361.0	1.1	164	-1.1	-1.1	1.5	167	-1.4	0.0	18.3	175	-2.3	-1.9
385.0	1.1	176	-1.1	-1.1	1.4	164	-1.4	0.0	19.7	172	-2.2	-1.5
409.0	1.4	168	-1.1	-1.1	1.5	164	-1.1	0.0	15.2	174	-2.2	-1.4
433.0	1.4	168	-1.1	-1.1	1.5	276	-1.0	0.6	14.7	174	-2.2	-1.4
457.0	1.4	333	-1.1	-1.1	1.4	338	-1.0	0.6	11.1	341	-1.1	0.0
481.0	1.4	333	-1.1	-1.1	1.4	338	-1.0	0.6	11.1	323	-1.1	0.0
505.0	1.4	333	-1.1	-1.1	1.4	177	-1.0	0.6	10.0	176	-1.1	0.0
529.0	1.2	161	-1.1	-1.1	1.3	183	-1.0	0.6	9.0	183	-1.1	0.0
553.0	1.2	203	-1.1	-1.1	1.1	269	-1.1	0.0	4.0	315	-2.0	0.0
577.0	1.2	345	-1.1	-1.1	1.5	348	-1.1	0.0	8.0	22	-3.0	0.0
601.0	1.2	333	-1.1	-1.1	1.7	347	-1.1	0.0	5.0	347	-1.1	0.0
625.0	1.2	333	-1.1	-1.1	1.7	335	-1.1	0.0	25.0	333	-1.1	0.0
649.0	1.2	333	-1.1	-1.1	1.7	343	-1.1	0.0	40.0	341	-1.1	0.0
673.0	1.2	340	-1.1	-1.1	1.5	342	-1.1	0.0	47.0	341	-1.1	0.0
697.0	1.2	346	-1.1	-1.1	1.4	336	-1.1	0.0	54.0	344	-1.1	0.0
721.0	1.8	321	-1.1	-1.1	1.2	346	-1.1	0.0	40.0	336	-1.1	0.0
745.0	2.4	337	-1.1	-1.1	2.2	324	-1.1	0.0	20.0	340	-1.1	0.0
769.0	4.1	296	-1.1	-1.1	2.2	336	-1.1	0.0	23.0	327	-1.1	0.0
793.0	4.1	198	-1.1	-1.1	1.1	344	-1.1	0.0	9.0	344	-1.1	0.0
817.0	5.3	33	-1.1	-1.1	1.1	344	-1.1	0.0	6.0	110	-1.1	0.0
841.0	5.3	33	-1.1	-1.1	1.1	344	-1.1	0.0	6.0	7	-1.1	0.0
865.0	1.5	220	-1.1	-1.1	1.1	226	-1.1	0.0	8.0	188	-1.1	0.0
889.0	1.5	199	-1.1	-1.1	1.1	213	-1.1	0.0	11.0	220	-1.1	0.0
913.0	1.7	178	-1.1	-1.1	1.7	194	-1.1	0.0	18.0	183	-1.1	0.0
937.0	1.7	178	-1.1	-1.1	1.7	161	-1.1	0.0	18.0	146	-1.1	0.0
961.0	1.9	270	-1.1	-1.1	1.3	175	-1.1	0.0	20.0	205	-1.1	0.0
	1.9	336	-1.1	-1.1	1.3	226	-1.1	0.0	7.0	108	-1.1	0.0
	1.9		-1.1	-1.1	1.3	360	-1.1	0.0	16.0	11	-1.1	0.0

Plots and associated data points of the vertically averaged velocity vs. time are shown on pages A-266 through A-297 for each deployment which resulted in sufficient data for the calculations described in the Data Processing section of the text. The dates on the plot titles refer to deployment and retrieval of the array whereas the duration of the plot is determined by the length of the shortest data record within the array. The time axis is marked at 0000 hours of each day.

02/03/71 - 02/16/71 (NSHORE ARRAY)

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLOT

PLOT ENTITLED 02/03/71 - 02/18/71 INSHORE ARRAY

ORIGIN TIME 02/03/71 0000

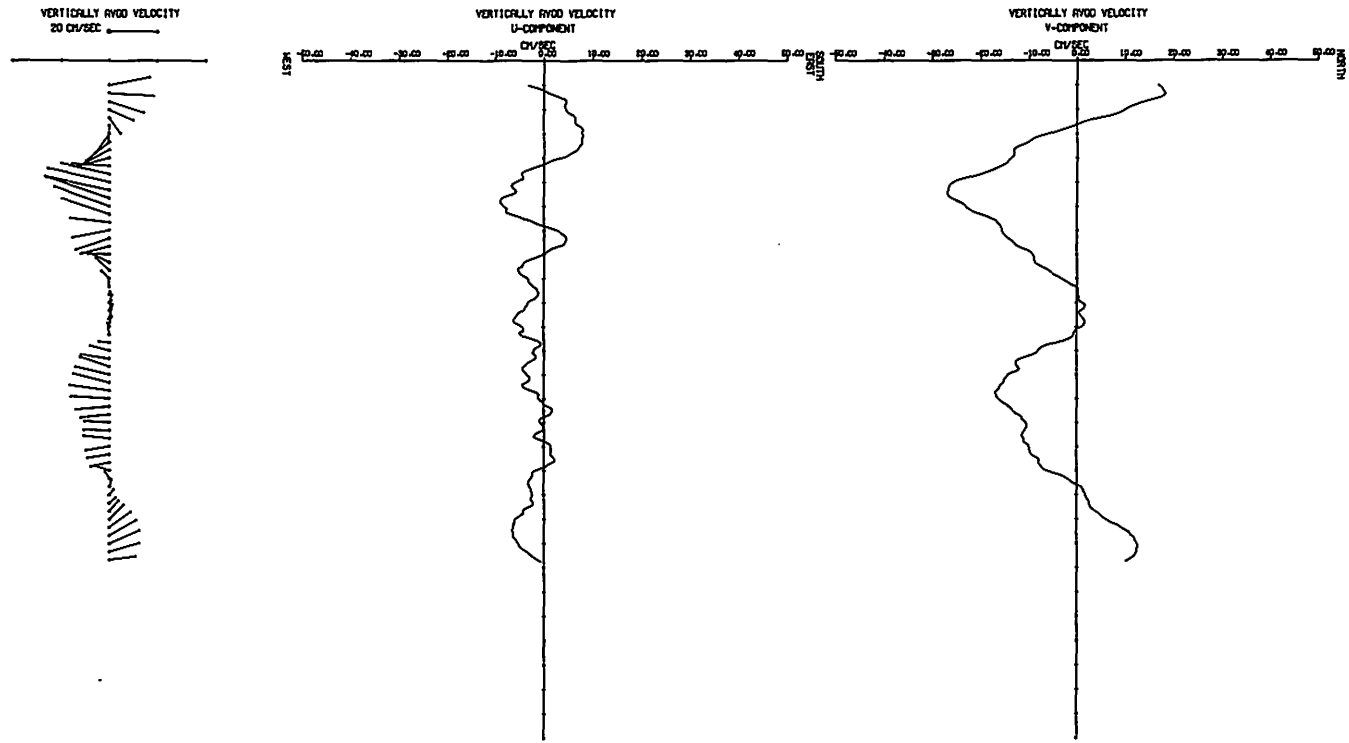
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC
25.0	18.7	179	.2	-19.7	17.1	179	.3	-17.1	15.1	182	-.6	-15.1
49.0	13.7	172	1.9	-13.5	8.4	172	1.2	-9.3	7.6	173	.9	-7.6
73.0	7.7	163	2.3	-7.3	7.9	159	2.9	-7.3	8.7	147	4.7	-7.3
97.0	9.2	139	6.0	-6.9	10.3	134	7.4	-7.1	10.5	133	7.6	-7.1
121.0	9.3	109	8.8	-3.0	9.5	80	9.4	1.6	12.1	58	10.2	6.5
145.0	14.1	39	8.9	11.0	16.8	21	6.1	15.6	19.7	358	-.8	19.7
169.0	20.3	347	-4.7	19.8	24.4	336	-9.9	22.3	24.2	351	-3.9	23.9
193.0	24.7	2	.9	24.7	22.6	17	6.7	21.6	18.2	16	5.1	17.5
217.0	14.4	18	4.4	13.8	10.4	12	2.1	10.2	8.7	16	2.5	8.4
241.0	8.6	18	2.6	8.2	8.4	16	2.4	8.0	8.4	15	2.2	8.1
265.0	10.2	1	.2	10.2	15.2	17	4.5	14.5	16.0	359	-.2	16.0
289.0	15.8	328	-8.4	13.4	22.7	302	-19.2	12.1	26.2	309	-20.4	16.5
313.0	28.5	320	-18.6	21.8	27.5	329	-14.0	23.6	25.0	334	-10.9	22.5
337.0	22.5	340	-7.8	21.1	21.8	339	-7.9	20.3	23.7	341	-7.6	22.5

07/10/71 - 08/05/71 INSHORE ARROY

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 8 HOURS.



DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLOT

PLOT ENTITLED 07/10/71 - 08/05/71 INSHORE ARRAY

ORIGIN TIME 07/10/71 0000

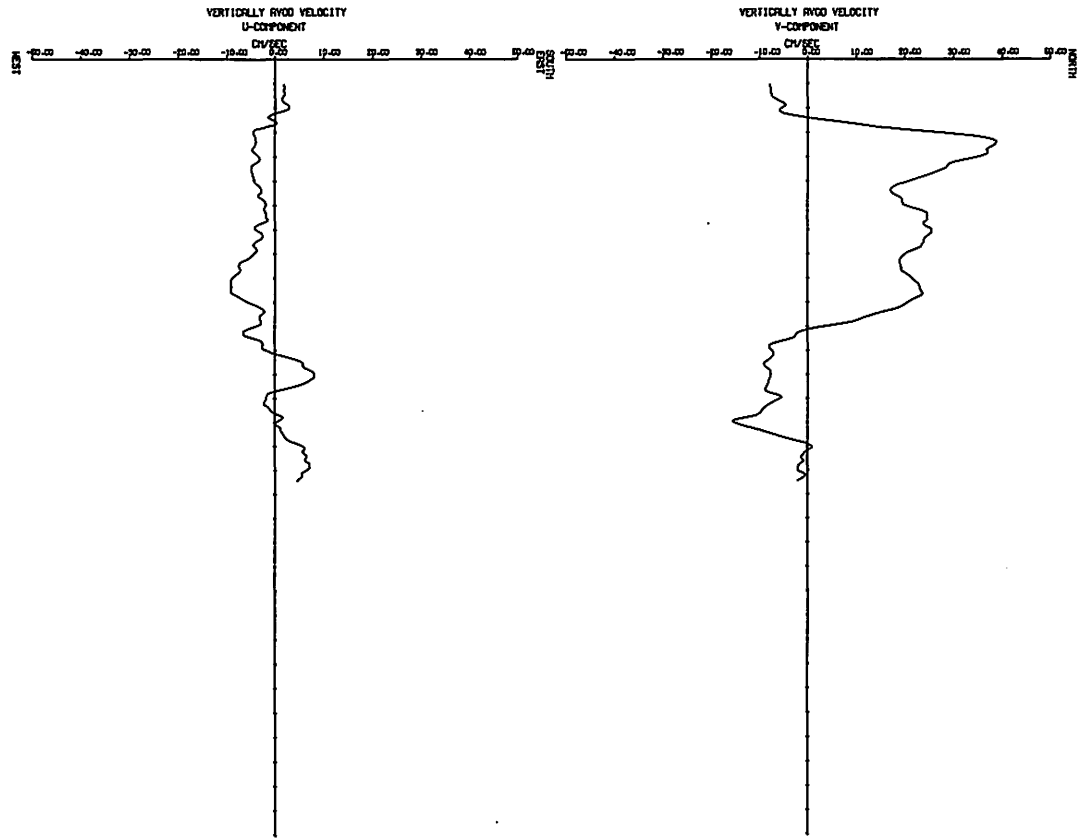
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIP	U CM /SEC	V	SPEED CM/SEC	DIR	U CM /SEC	V	SPEED CM/SEC	DIP	U CM /SEC	V
24.0	17.2	349	-3.1	16.9	18.4	3	1.1	18.4	15.0	18	4.7	14.2
48.0	11.0	24	4.5	10.0	8.0	54	6.5	4.7	7.3	95	7.2	-0.6
72.0	10.0	128	7.9	-5.1	12.7	142	7.9	-10.0	14.8	153	6.7	-13.1
96.0	14.1	166	3.3	-13.7	15.8	184	-1.2	-15.7	20.6	193	-4.5	-20.1
120.0	26.3	193	-5.9	-25.7	27.4	192	-5.8	-26.7	27.4	199	-8.7	-26.0
144.0	24.5	200	-3.2	-23.1	20.8	198	-6.5	-19.7	16.7	187	-1.9	-16.6
168.0	15.8	170	2.8	-15.6	15.0	162	4.6	-14.3	12.4	166	3.0	-12.0
192.0	9.2	182	-0.3	-9.1	9.7	206	-4.2	-8.7	7.8	222	-5.3	-5.8
216.0	4.5	225	-3.2	-3.2	2.0	266	-2.0	-0.1	1.3	285	-1.2	0.3
240.0	3.6	289	-3.4	1.2	4.4	280	-4.4	0.8	6.3	283	-6.1	1.4
264.0	4.5	284	-4.4	1.1	4.8	262	-4.8	-0.7	4.5	187	-0.6	-4.4
288.0	8.4	195	-2.1	-8.1	12.1	189	-1.9	-11.0	13.0	199	-4.2	-12.3
312.0	14.7	194	-3.4	-14.3	15.7	194	-3.9	-15.2	16.8	188	-2.4	-16.6
336.0	16.3	184	-1.1	-16.2	14.1	176	1.1	-14.1	12.1	174	1.2	-12.0
360.0	10.6	184	-0.7	-10.6	10.9	182	-0.4	-10.9	11.1	187	-1.3	-11.0
384.0	10.1	171	1.5	-10.0	9.5	172	1.4	-9.4	8.2	168	1.7	-8.0
408.0	6.7	197	-2.0	-6.4	3.5	237	-2.9	-1.9	3.0	288	-2.9	0.9
432.0	3.0	309	-2.3	1.9	3.5	320	-2.2	2.7	5.8	312	-4.3	3.8
456.0	8.5	316	-5.9	6.0	11.0	325	-6.3	9.1	12.0	331	-6.2	11.3
480.0	13.6	337	-5.3	12.6	12.0	345	-3.4	12.4	11.9	353	-1.3	10.8

10/18/71 - 11/15/71 INSHORE ARRAY

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



A-270

DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLOT

PLOT ENTITLED 10/16/71 - 11/15/71 INSHORE APPAY

ORIGIN TIME 10/16/71 0000

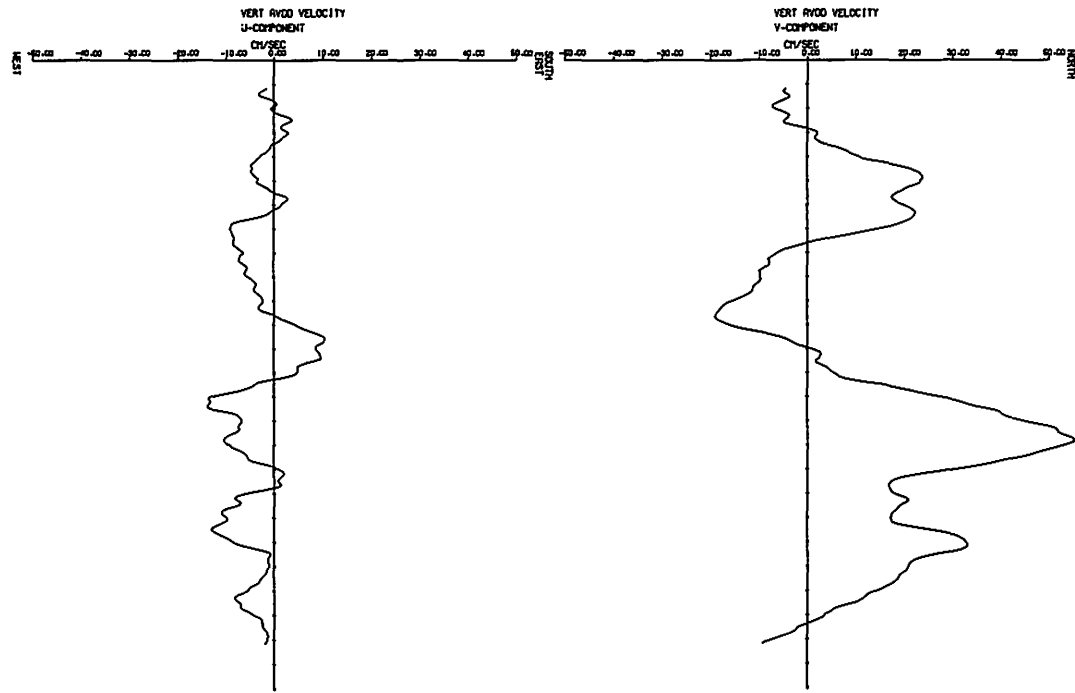
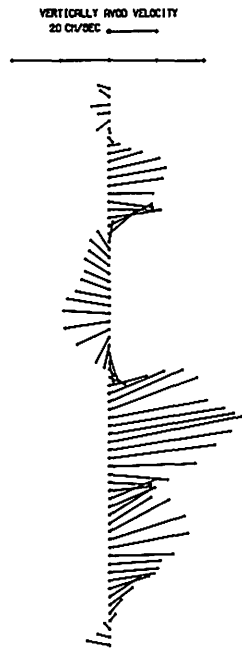
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC
25.0	8.1	167	1.9	-7.9	7.8	165	2.0	-7.6	6.2	165	1.6	-5.0
49.0	6.4	155	2.7	-5.8	1.7	245	-1.5	-0.7	12.5	358	-0.4	12.4
73.0	29.4	351	-4.4	29.0	39.1	354	-3.9	38.9	37.1	352	-4.8	36.8
97.0	34.3	355	-3.1	34.2	29.2	350	-4.9	28.8	25.8	350	-4.6	25.4
121.0	20.9	349	-4.1	20.4	17.4	351	-2.7	17.2	19.6	352	-2.6	19.4
145.0	20.9	354	-2.0	20.8	24.9	356	-1.7	24.8	24.0	353	-2.8	23.9
169.0	25.8	352	-3.5	25.5	24.2	353	-3.0	24.0	23.7	350	-4.1	23.4
193.0	20.5	347	-4.6	19.9	20.4	339	-7.3	19.1	20.7	340	-7.2	19.4
217.0	23.5	337	-9.1	21.7	24.7	339	-9.0	23.0	25.0	341	-8.1	23.6
241.0	21.0	347	-4.9	20.5	16.5	353	-2.0	16.3	11.2	344	-3.0	10.7
265.0	5.3	295	-4.8	2.2	6.7	248	-6.2	-2.5	7.4	200	-2.5	-7.0
289.0	7.3	190	-1.3	-7.2	9.1	152	4.3	-8.0	10.5	145	6.0	-8.6
313.0	11.2	133	8.1	-7.7	10.1	144	5.9	-8.2	8.6	181	-0.1	-8.6
337.0	6.3	197	-1.8	-6.0	8.9	188	-1.3	-8.8	10.8	174	1.1	-10.7
361.0	14.6	180	-0.0	-14.6	9.2	172	1.3	-9.1	4.4	145	2.5	-3.6
385.0	6.2	80	6.1	1.1	6.6	98	6.6	-0.9	7.3	100	7.2	-1.3
409.0	6.4	108	6.1	-2.0	5.0	107	4.8	-1.5				

01/05/72 - 1/29/72 (HONORE ARRY)

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



DATA POINTS FROM VERTICALLY AVERAGED VELOCITY FLOT

PLOT PERIOD 01/15/72 - 01/29/72 INSHORE ARRAY

ORIGIN TIME 01/15/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

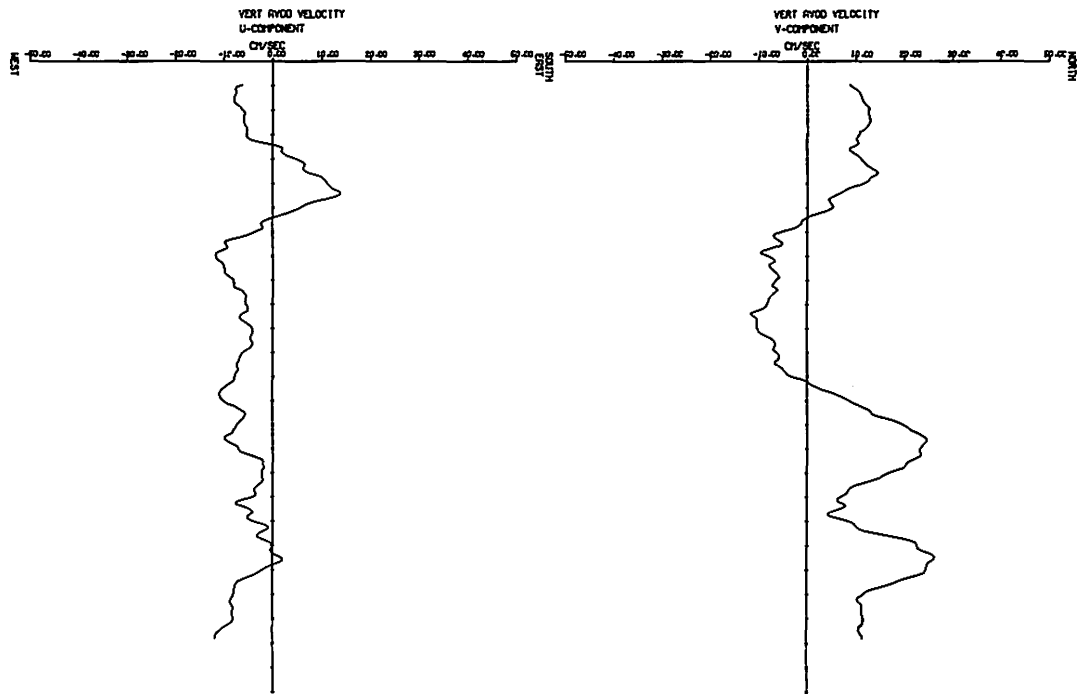
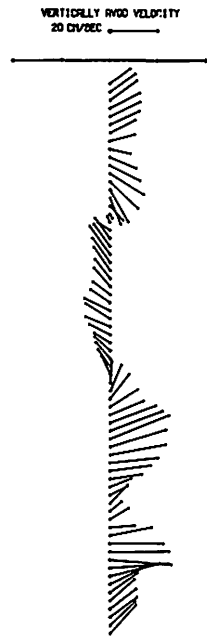
TIME IN HOURS FROM FLOT ORIGIN.

TIME	SPEED CM/SEC	DIR	U CM	V /SEC	SPEED CM/SEC	DIR	U CM	V /SEC	SPEED CM/SEC	DIR	U CM	V /SEC
24.0	4.7	169	-1.9	-4.4	4.4	216	-2.6	-7.6	7.2	175	.6	-7.2
52.0	4.5	176	.4	-4.5	6.2	144	3.7	-9.8	1.6	83	1.5	.3
76.0	2.4	51	1.9	1.9	4.2	353	-5	4.2	9.0	349	-1.7	8.8
100.0	14.2	344	-3.9	13.7	21.7	349	-4.5	21.2	24.2	351	-3.9	23.9
124.0	22.5	357	-2.8	22.4	18.4	360	-5.8	18.4	18.5	3	2.5	18.3
148.0	21.6	1	.2	21.6	22.1	352	-3.1	21.3	23.2	334	-9.8	18.1
172.0	13.7	370	-2.9	13.5	8.6	281	-8.4	1.6	8.7	238	-7.4	-4.6
196.0	13.4	224	-7.2	-7.5	10.1	216	-6.2	-8.9	11.5	212	-6.2	-9.7
220.0	18.7	264	-4.3	-9.7	12.8	261	-4.3	-11.2	13.7	191	-2.7	-13.4
244.0	17.4	195	-3.0	-17.2	13.7	184	-1.4	-18.7	18.3	172	2.6	-18.1
268.0	14.5	155	6.1	-13.2	11.6	118	12.2	-5.5	9.4	183	9.1	-2.1
292.0	7.0	74	3.3	2.3	8.6	78	8.4	1.7	6.6	48	5.8	4.4
316.0	7.0	22	2.8	6.5	16.2	346	-4.3	15.5	25.1	338	-9.4	23.1
340.0	33.6	337	-13.2	33.9	39.3	341	-13.3	36.9	41.7	359	-7.3	41.1
364.0	48.6	351	-7.4	48.1	52.7	351	-8.5	52.0	56.4	349	-18.6	55.4
388.0	51.3	351	-7.8	50.7	44.8	353	-5.5	44.5	36.3	358	-1.2	36.3
412.0	24.8	5	2.1	24.7	17.4	3	.9	17.4	17.3	354	-1.7	17.2
436.0	21.6	334	-8.3	23.2	20.8	337	-8.3	19.2	20.5	328	-13.8	17.6
460.0	20.5	329	-12.6	17.5	28.4	333	-13.0	25.3	33.2	343	-9.7	31.8
484.0	33.7	350	-6.3	33.1	27.1	359	-6	27.9	21.6	357	-1.3	21.5
508.0	20.6	356	-1.5	20.5	19.1	352	-2.8	18.9	17.2	343	-4.9	16.5
532.0	14.7	328	-3.8	12.5	12.3	324	-7.0	9.7	7.3	312	-5.5	4.9
556.0	3.5	313	-2.6	2.4	3.1	230	-2.3	-2.0	5.1	194	-1.2	-4.9
580.0	3.4	132	-2.0	-9.2								

A-273

01/05/72-1/29/72 OFFSHORE ARRAY

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 8 HOURS.



A-274

DATA FROM 11/29/72 - 11/29/72 WASHINGTON / NORTH ATLANTA

PLATE NUMBER: 224,472 - 11/29/72 WASHINGTON AREA

ORIGIN TIME: 11/29/72 0000

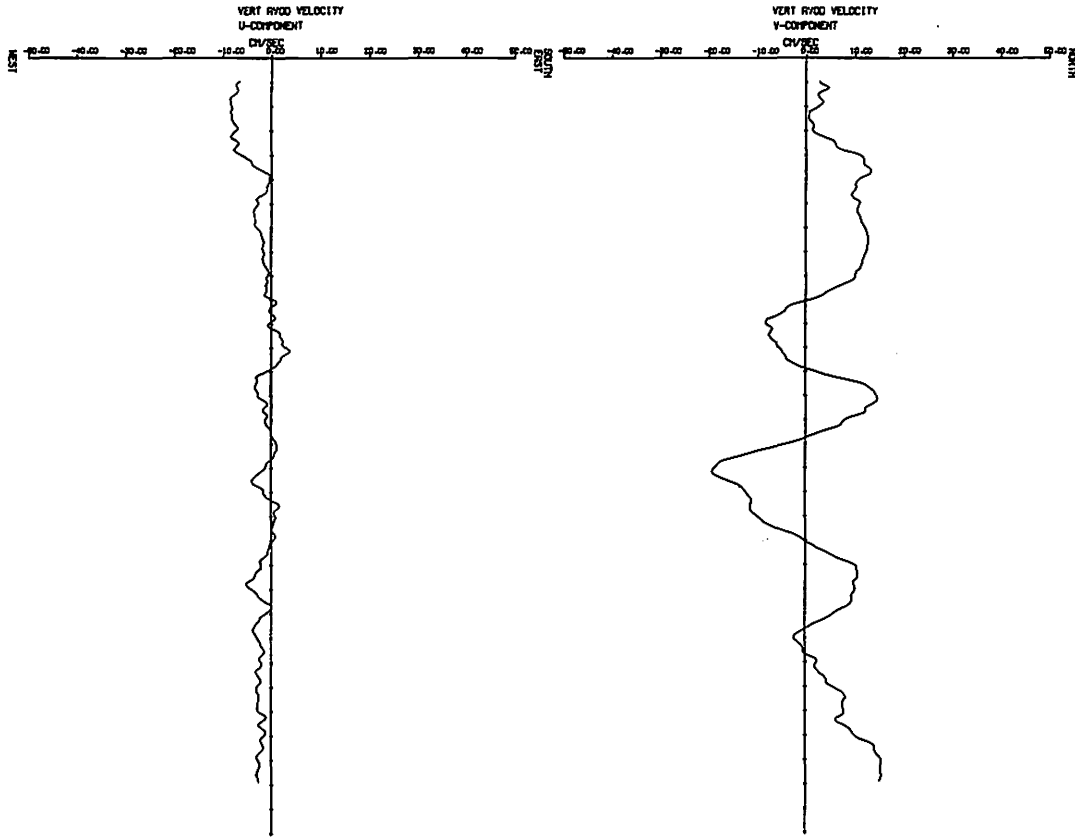
DATA STARTED OVER 24 HOURS WITH VECTORS EVERY 3 HOURS.

TIME: 11 HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIF	U CM/SEC	V CM/SEC	SPEED CM/SEC	DIF	U CM/SEC	V CM/SEC	SPEED CM/SEC	DIF	U CM/SEC	V CM/SEC
23.0	11.7	325	-5.1	4.7	17.2	326	-7.4	10.0	14.1	326	-7.9	11.5
47.0	14.2	324	-5.3	12.7	14.1	325	-5.9	12.8	13.6	336	-5.5	12.5
71.0	12.1	324	-5.2	17.9	10.2	346	-2.5	17.6	9.7	12	1.8	9.8
95.0	12.1	32	1.5	11.1	14.3	26	6.7	12.2	16.7	71	9.7	14.3
119.0	10.2	43	11.2	11.0	16.7	50	13.2	7.7	11.3	62	10.9	4.5
143.0	4.2	47	7.9	5.4	2.1	53	1.9	1.1	2.6	246	-2.4	-1.1
167.0	5.7	217	-3.3	-5.7	11.5	233	-3.4	-5.2	11.4	234	-3.2	-6.7
191.0	14.5	234	-11.7	-3.5	12.0	234	-10.2	-7.3	11.0	235	-9.8	-6.8
215.0	11.2	272	-3.0	-3.7	11.4	229	-7.5	-6.3	9.1	217	-5.4	-7.3
239.0	3.4	214	-5.5	-3.1	11.3	226	-5.2	-17.7	12.1	212	-5.4	-17.3
263.0	11.2	212	-4.3	-13.3	9.7	227	-4.4	-3.7	7.9	211	-4.3	-6.6
287.0	3.5	227	-5.3	-5.6	9.1	229	-6.9	-6.2	8.9	234	-7.2	-5.2
311.0	1.5	247	-7.3	-3.5	6.2	274	-8.9	.6	11.7	294	-17.7	4.7
335.0	13.3	319	-12.3	4.4	14.0	329	-7.2	11.9	15.5	333	-5.7	14.4
359.0	21.8	347	-7.1	13.5	23.7	344	-3.1	17.3	26.6	379	-3.7	24.9
383.0	24.6	343	-7.2	23.5	23.9	352	-4.2	23.5	23.5	354	-2.1	23.4
407.0	17.5	357	-2.2	17.5	13.4	352	-1.9	17.7	9.8	339	-3.5	9.1
431.0	1.2	324	-3.5	7.4	15.7	316	-7.5	7.7	6.3	321	-4.9	4.9
455.0	9.1	327	-4.5	7.9	11.5	356	-1.8	11.5	12.1	342	-3.3	17.2
479.0	22.7	362	-1.8	22.7	24.4	362	-1.1	24.9	25.0	4	2.5	25.8
503.0	24.7	356	-1.3	24.3	21.9	346	-5.2	21.3	19.1	375	-7.7	15.7
527.0	14.2	326	-3.9	11.9	13.7	321	-3.8	17.5	12.9	324	-9.2	11.2
551.0	14.2	325	-3.2	11.5	14.6	318	-3.7	17.3	16.2	314	-11.7	11.2

A-275

07/18/72 - 08/17/72 INSHORE ARRAY
FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 8 HOURS.



DATA POINTS FROM VERTICALLY INTEGRATED VELOCITY LOG

PLAT NUMBER: 07/11/72 - 08/12/72 INDIAN ARMY

ORIGIN TIME: 12/12/72 0000

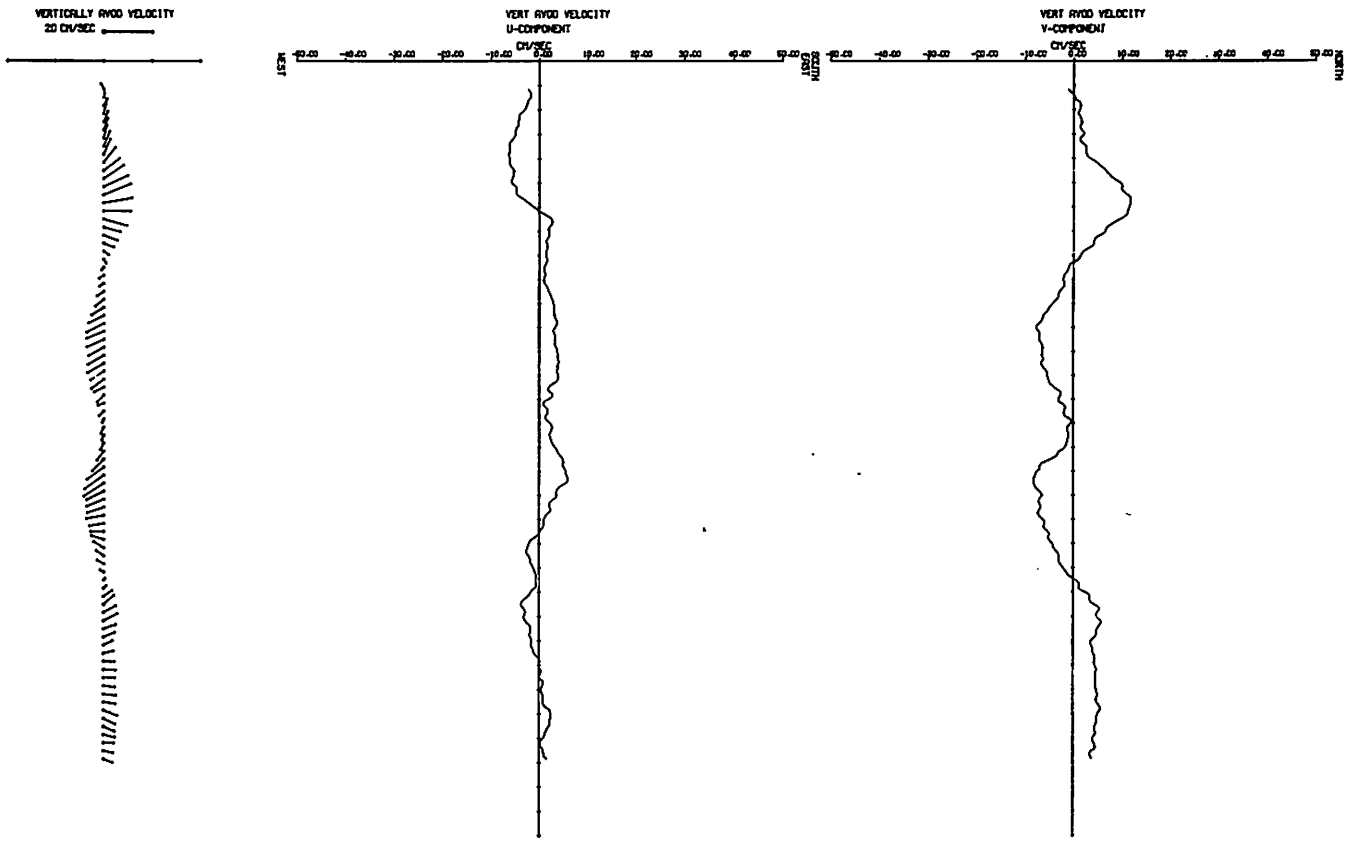
DATA FILTERED OVER 24 HOUR WITH AVERAGE EVERY 4 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIA	U CM/SEC	V CM/SEC	SPEED CM/SEC	DIA	U CM/SEC	V CM/SEC	SPEED CM/SEC	DIA	U CM/SEC	V CM/SEC
27.0	7.2	292	-6.6	2.7	9.1	331	-6.0	4.2	9.1	298	-3.5	2.9
47.0	5.7	298	-3.3	2.8	9.1	275	-3.2	1.7	7.9	279	-7.8	1.2
71.0	7.3	291	-7.2	1.4	9.1	299	-2.2	4.5	9.5	311	-7.2	5.7
95.0	12.6	329	-6.5	13.9	12.6	341	-4.0	11.9	13.5	352	-2.0	13.4
113.0	11.0	358	-1.5	11.2	10.4	355	-1.9	10.3	9.6	349	-1.9	9.4
143.1	11.5	347	-2.6	11.2	11.2	341	-3.7	10.6	11.9	344	-3.7	11.3
167.0	12.5	345	-3.1	12.1	12.4	351	-2.0	12.6	12.9	353	-1.6	12.3
191.0	12.7	357	-1.7	12.6	11.9	351	-1.3	11.8	11.3	355	-1.0	11.3
215.0	10.1	356	-1.7	10.1	8.7	364	-1.9	8.3	4.8	347	-1.1	4.7
239.1	1.7	7	.2	1.6	3.6	183	-1.2	-3.6	5.6	176	.4	-5.6
263.0	6.3	180	-1.5	-4.3	7.2	169	1.4	-7.1	7.3	162	2.2	-7.0
287.0	6.4	154	2.3	-3.7	5.0	148	2.7	-4.3	7.1	157	1.4	-2.7
311.0	1.9	373	-1.8	1.7	8.2	339	-3.0	7.7	13.7	346	-3.2	12.9
335.0	14.8	349	-2.8	14.6	14.2	356	-1.9	14.1	12.4	352	-1.8	12.3
359.0	2.6	351	-1.3	3.5	6.7	356	-1.5	6.5	1.6	358	-1.1	1.6
383.0	3.1	167	1.8	-2.9	9.0	175	.9	-9.4	17.7	193	.1	-15.7
407.0	18.6	134	-1.2	-13.5	18.0	190	-3.1	-19.7	15.1	195	-3.8	-14.6
431.0	12.5	188	-1.7	-12.4	11.0	181	-1.2	-11.0	11.5	172	1.5	-11.4
455.0	1.1	175	.2	-11.1	6.1	173	.3	-9.1	4.1	176	.3	-4.1
479.0	.7	135	.5	-1.5	2.3	346	-1.5	2.1	5.8	343	-1.2	5.7
503.0	10.0	347	-2.2	9.7	11.2	344	-3.1	10.8	11.2	337	-4.3	10.3
527.0	11.1	337	-4.3	10.3	9.9	344	-2.7	9.4	9.1	360	-1.0	9.1
551.0	6.2	351	-1.9	6.1	4.1	323	-2.5	7.3	3.9	271	-3.3	.1
575.0	3.3	232	-3.0	-2.3	2.5	247	-2.3	-1.6	1.7	261	-1.7	-1.3
599.0	3.2	317	-2.2	2.3	3.9	316	-3.2	2.3	4.7	329	-2.5	4.1
623.0	6.0	345	-3.0	7.2	8.4	342	-2.6	7.9	3.2	340	-2.4	7.9
647.0	9.4	342	-2.8	7.9	6.5	349	-1.3	6.4	9.8	345	-2.2	8.5
671.0	17.1	352	-1.4	17.1	13.5	352	-2.0	13.3	14.5	351	-2.2	14.3
695.0	15.9	357	-2.2	15.6	15.6	351	-2.6	15.4	16.0	349	-3.1	15.7

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07/16/72 - 08/17/72 OFFSHORE ARRAY
FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



DATA POINTS PLotted MANUALLY BY WIND VELOCITY LOG

DATE: APRIL 27/1972 - 0700Z TO 0800Z 1972

STATION: TWT 27/1972 2222

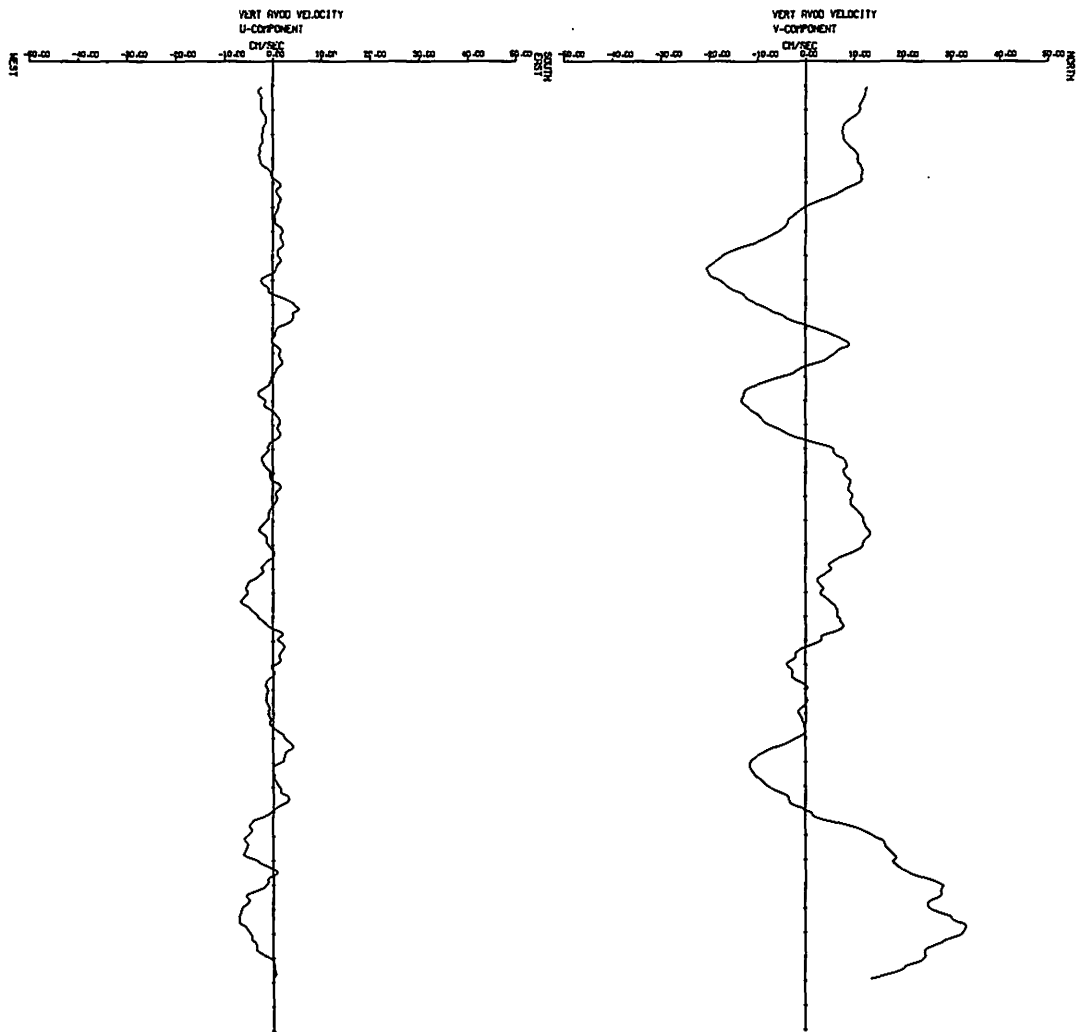
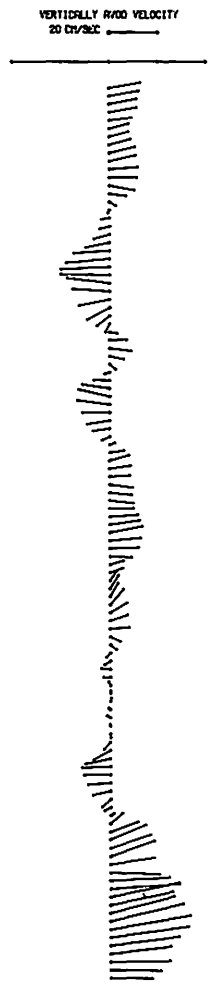
DATA FILE: 211 OVER 24 HOURS WITH VECTORS BY 2 HOURS.

FILE IN HOUSE FROM PLOT ORIGIN.

TIME	SPEED KNOTS	DIR	U CM	V KTS	SPEED KNOTS	DIR	U CM	V KTS	SPEED KNOTS	DIR	U CM	V KTS
24.0	2.7	244	-2.3	-1.1	4.7	231	-1.2	.7	3.1	209	-2.7	1.5
52.0	4.1	247	-4.1	.9	4.7	232	-4.4	1.7	5.1	222	-4.4	1.7
76.0	2.5	238	-2.4	1.4	6.7	233	-5.1	2.6	6.2	227	-5.3	2.7
114.0	2.3	214	-2.2	4.3	2.4	223	-2.1	2.7	10.7	225	-5.6	2.7
124.0	11.1	225	-9.5	11.1	12.1	231	-4.0	11.2	11.0	353	-2.1	11.7
148.0	11.2	21	.1	11.2	13.7	15	2.6	2.7	7.2	16	2.0	7.0
172.0	2.0	21	2.1	5.7	4.8	21	1.6	2.1	2.3	24	1.4	2.1
196.0	1.2	24	1.7	1.1	1.4	132	1.1	-1.7	2.3	140	1.2	-1.9
220.0	2.1	140	1.1	-1.3	3.4	146	1.0	-2.8	4.4	141	2.0	-2.4
244.0	2.3	140	1.1	-2.7	2.7	153	3.2	-2.2	3.3	152	3.7	-2.1
268.0	2.7	150	2.1	-2.1	7.7	155	3.2	-2.1	7.2	151	3.5	-2.7
292.0	2.6	151	3.2	-2.5	7.7	140	3.2	-2.5	6.6	146	3.6	-2.5
316.0	2.4	147	3.2	-2.1	4.3	154	1.9	-2.7	3.9	134	2.8	-2.7
340.0	1.5	151	.1	-2.2	2.6	137	1.5	-1.9	1.5	112	1.4	-1.5
364.0	2.3	145	2.5	-1.3	2.3	113	2.1	-1.0	3.1	117	2.7	-1.4
388.0	4.7	127	1.3	-2.9	6.9	134	4.9	-2.7	4.5	144	5.1	-2.9
412.0	2.7	144	3.7	-2.5	2.7	145	5.4	-1.1	2.8	153	3.5	-2.0
436.0	2.5	154	2.9	-2.1	7.1	152	2.2	-2.7	7.2	159	1.3	-2.1
460.0	5.3	173	1.7	-2.0	5.2	173	.1	-2.2	5.3	193	-1.6	-2.1
484.0	4.7	211	-2.4	-4.1	3.7	216	-2.1	-2.9	3.2	210	-1.6	-2.7
508.0	1.7	217	-1.3	-1.4	.0	210	-1.7	.6	1.5	310	-1.0	1.1
532.0	1.2	326	-2.3	1.5	5.7	319	-3.7	1.3	5.8	331	-2.8	5.1
556.0	6.3	324	-2.3	5.7	5.7	341	-1.8	5.3	5.2	333	-1.8	4.6
580.0	4.1	235	-1.3	3.7	4.2	347	-1.5	4.1	4.5	2	.2	4.5
604.0	4.2	2	.0	4.1	4.7	2	.0	4.7	4.6	7	.5	4.6
628.0	5.1	2	.7	5.1	4.2	2	.7	4.3	5.1	21	2.2	5.7
652.0	1.4	26	2.4	4.2	4.0	24	2.0	4.5	4.8	14	1.1	4.6
676.0	4.2	2	.1	4.2	4.1	12	.8	3.0	4.1	22	1.5	3.0

08/18/72 - 09/25/72 INSHORE ARRAY

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



A-280

DATA POINTS FROM MONTHLY AVERAGE VELOCITY PLOT

PLOT DATED 12/12/72 - 02/25/73 INDIAN AREA

ORIGIN TIME 12/12/72 200

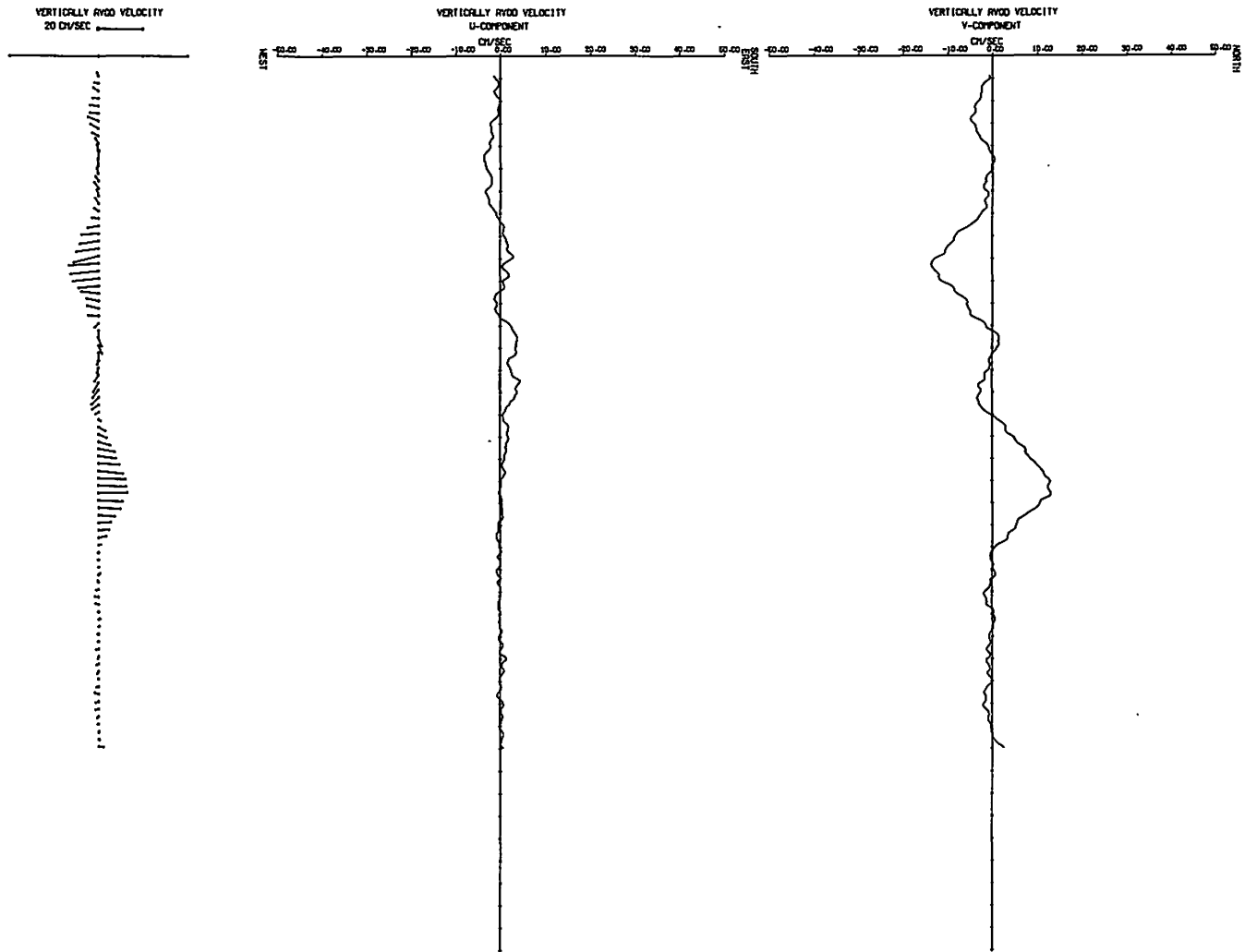
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 4 HOURS.

1148 IN HOURS FROM LOT ORIGIN.

TIME	DEPTH CM/SEC	DIP	U CM /SEC	V CM /SEC	DEPTH CM/SEC	DIP	U CM /SEC	V CM /SEC	DEPTH CM/SEC	DIP	U CM /SEC	V CM /SEC
26.0	12.0	350	-2.3	12.7	12.4	349	-2.3	12.1	11.8	348	-2.3	11.7
50.0	11.3	349	-2.1	11.1	9.1	352	-1.3	9.7	8.2	345	-2.1	7.9
74.0	8.1	345	-2.1	7.3	9.1	344	-2.5	8.7	10.3	346	-2.6	10.4
98.0	11.0	345	-2.6	10.7	11.8	355	-1.0	11.7	11.4	359	-.1	11.4
122.0	12.3	9	1.7	13.1	6.0	7	.8	6.9	3.0	29	1.5	3.6
146.0	1.2	127	1.0	-.7	3.1	171	.5	-3.0	4.2	165	1.1	-4.0
170.0	6.6	164	1.8	-6.4	9.3	163	2.0	-9.7	14.5	176	1.1	-14.5
194.0	17.6	175	1.5	-17.6	19.9	173	.8	-19.9	20.0	181	-.4	-20.0
218.0	17.4	187	-2.3	-17.2	15.2	183	-.9	-15.2	12.5	168	2.5	-12.7
242.0	11.3	151	4.9	-9.1	6.6	141	4.1	-6.2	3.6	117	3.2	-1.6
266.0	3.2	11	.6	3.1	7.2	359	-.2	7.2	8.0	7	1.1	8.9
290.0	5.9	11	1.1	5.9	3.3	38	2.0	2.6	2.0	162	.6	-1.9
314.0	6.4	182	-.2	-6.3	11.1	188	-1.6	-11.2	13.1	193	-2.8	-12.5
338.0	13.2	197	-1.7	-13.1	11.1	180	.1	-11.1	9.1	171	1.5	-9.9
362.0	6.7	172	.9	-6.6	3.6	155	1.5	-3.3	2.0	340	-.7	1.0
386.0	5.3	351	-.9	5.3	8.2	344	-2.3	7.9	8.7	351	-1.4	8.6
410.0	6.2	356	-.6	6.2	9.4	7	1.1	9.4	9.0	5	.9	8.9
434.0	9.7	6	.3	9.6	9.9	359	-.1	9.9	11.5	356	-.9	11.4
458.0	12.3	351	-1.3	12.1	13.5	348	-2.7	13.3	12.7	354	-1.2	12.7
482.0	11.9	357	-.6	11.3	8.8	2	.3	8.3	5.6	347	-1.6	5.4
506.0	5.5	340	-1.3	5.2	4.7	304	-3.0	2.6	6.5	301	-5.5	3.4
530.0	0.5	299	-5.6	3.2	8.4	309	-6.5	5.3	7.9	329	-4.1	6.7
554.0	7.5	341	-2.4	7.1	7.9	356	-.6	7.9	4.4	25	1.9	4.0
578.0	3.1	38	1.9	2.5	2.3	131	1.9	-1.5	2.8	147	1.5	-2.4
602.0	3.6	185	-.3	-3.6	2.8	133	.1	-2.8	1.6	243	-1.5	-.8
626.0	1.1	274	-1.1	.1	1.5	294	-1.5	.4	1.0	227	-.7	-.6
650.0	1.4	216	-.8	-1.2	.7	250	-.7	-.2	1.4	37	1.4	.1
674.0	4.0	131	3.0	-2.6	7.9	151	3.8	-6.3	10.3	167	2.2	-10.1
698.0	11.6	178	.5	-11.6	10.8	179	.1	-10.8	9.1	176	.6	-9.1
722.0	7.2	167	1.6	-7.1	4.7	178	3.2	-7.5	2.8	162	1.3	-2.4
746.0	1.5	330	-.8	1.3	6.6	319	-4.3	5.0	12.0	340	-4.2	11.3
770.0	13.7	377	-6.1	14.5	17.4	342	-6.4	16.6	13.1	341	-6.2	16.0
794.0	19.3	352	-2.7	13.1	23.2	2	.8	20.2	24.5	357	-1.2	24.5
818.0	21.8	355	-1.8	23.4	29.0	349	-5.7	28.5	26.0	348	-5.3	25.7
842.0	27.3	346	-6.7	26.4	31.2	347	-7.1	30.3	37.8	350	-5.6	33.3
866.0	32.7	352	-4.4	32.4	28.9	353	-3.5	28.6	26.2	354	-2.9	25.0
890.0	24.3	352	-.2	24.7	20.7	1	.4	20.7	17.0	1	.3	17.0

08/18/72 - 08/25/72 OFFSHORE ARRAY

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



A - 282

DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLOT

PLOT ENTITLED 08/14/72 - 09/25/72 OFFSHORE ARRAY

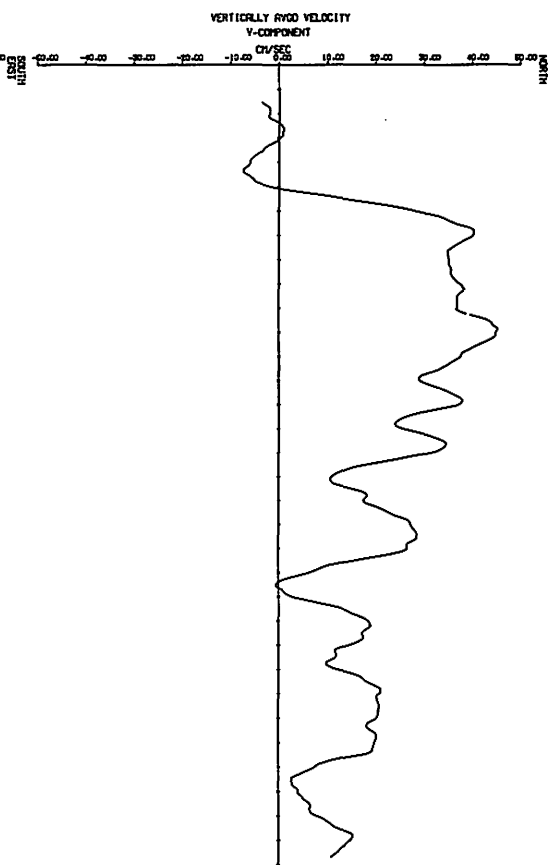
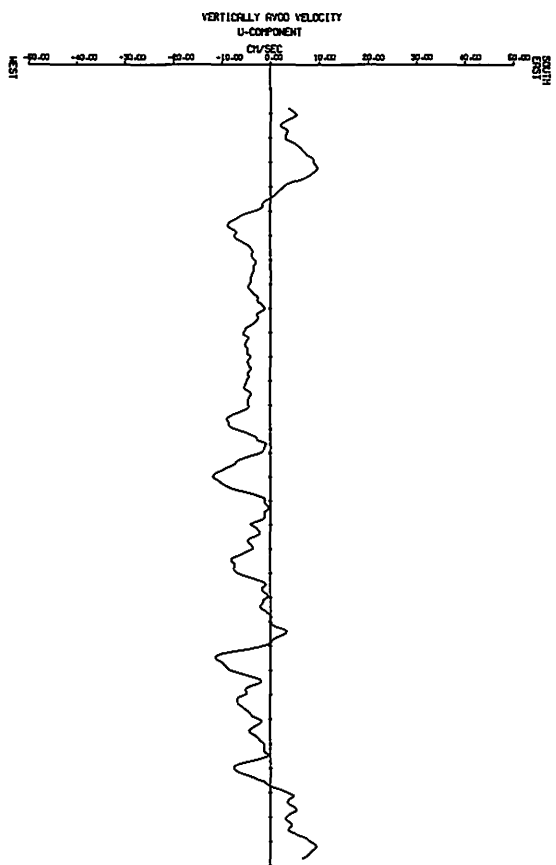
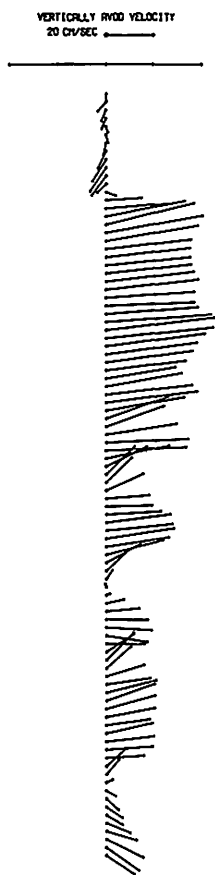
ORIGIN TIME 08/18/72 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIP	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIP	U CM /SEC	V CM /SEC
21.0	1.6	244	-1.4	-.7	1.9	191	-.4	-1.9	2.8	211	-1.4	-2.4
45.0	2.7	185	-.2	-2.7	3.9	186	-.4	-3.9	3.9	135	-.3	-3.9
69.0	5.1	201	-1.8	-4.8	4.1	268	-1.9	-3.7	3.3	268	-1.5	-2.9
93.0	2.7	239	-2.4	-1.4	2.8	257	-2.8	-.6	3.6	279	-3.5	.5
117.0	3.2	266	-3.2	-.2	2.5	253	-2.4	-.7	2.4	235	-2.0	-1.4
141.0	3.4	236	-2.8	-1.9	2.9	254	-2.8	-.8	2.9	238	-2.5	-1.5
165.0	2.4	212	-1.2	-2.0	3.2	187	-.4	-3.2	5.1	171	.8	-5.1
189.0	7.9	177	.5	-7.9	8.8	171	1.3	-8.7	10.4	172	1.4	-10.3
213.0	11.8	166	2.9	-11.4	13.6	176	.9	-13.6	12.9	174	1.4	-12.8
237.0	12.1	174	1.3	-12.0	9.3	175	.9	-9.2	8.0	196	-.8	-8.0
261.0	5.8	191	-1.1	-5.7	5.5	192	-1.2	-5.4	4.8	182	-.2	-4.8
285.0	2.6	134	1.8	-1.8	2.9	94	2.9	-.2	4.0	68	3.7	1.5
309.0	3.9	66	3.6	1.6	3.6	86	3.6	.2	1.9	110	1.8	-.7
333.0	2.3	106	2.2	-.6	3.2	123	2.7	-1.8	4.9	119	4.3	-2.4
357.0	4.3	127	3.5	-2.6	4.6	137	3.1	-3.3	3.6	147	2.0	-3.0
381.0	1.8	148	.9	-1.5	1.2	32	.6	1.0	3.6	31	1.8	3.1
405.0	3.9	22	1.5	3.6	5.6	16	1.6	5.4	7.6	10	1.3	7.4
429.0	8.1	7	.9	8.1	9.7	2	.4	9.7	11.3	6	1.1	11.2
453.0	12.3	2	.4	12.3	12.6	1	.3	12.6	13.2	359	-.2	13.2
477.0	11.1	2	.4	11.1	10.0	2	.4	10.0	7.5	4	.5	7.5
501.0	5.7	355	-.5	5.7	4.9	356	-.3	4.9	3.6	348	-.8	3.5
525.0	1.2	349	-.2	1.2	.3	127	.2	-.2	.4	185	-.0	-.4
549.0	.2	316	-.2	.2	1.7	324	-.6	.8	.7	237	-.6	-.4
573.0	1.0	167	.2	-.9	1.6	185	-.1	-1.6	1.4	194	-.3	-1.3
597.0	.4	15	.1	.4	.6	348	-.1	.6	.3	313	-.2	.2
621.0	.6	184	-.0	-.5	.4	184	-.0	-.4	1.2	173	.2	-1.2
645.0	1.1	115	1.0	-.4	1.1	160	.4	-1.0	1.2	128	.9	-.7
669.0	.2	242	-.2	-.1	1.0	162	.3	-.9	1.9	199	-.6	-1.8
693.0	1.5	162	.5	-1.4	1.5	172	.2	-1.5	.9	140	.6	-.7
717.0	.4	165	.1	-.4	.4	114	.4	-.2	.5	48	.3	.3
741.0	2.2	6	.2	2.1								

01/05/73 - 02/05/73 INSHORE ARRAY
FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



A-284

DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLOT

PLOT ENTITLED 01/05/73 - 02/05/73 INSHORE ARRAY

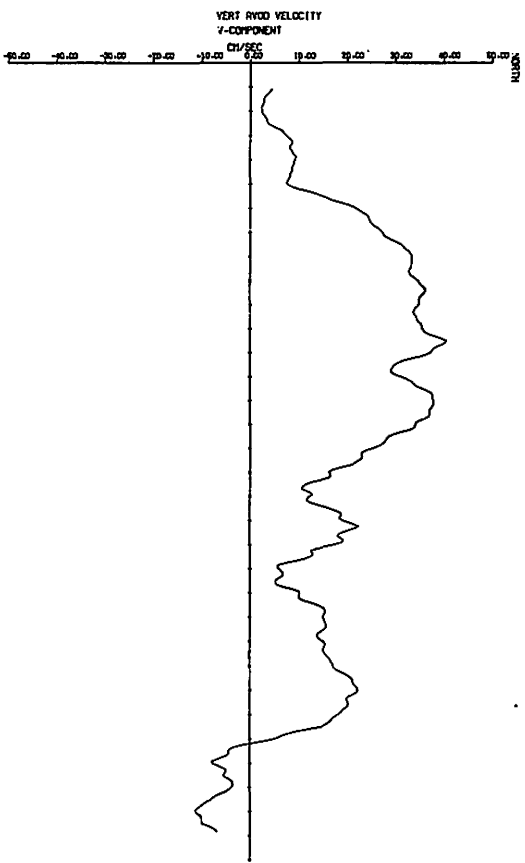
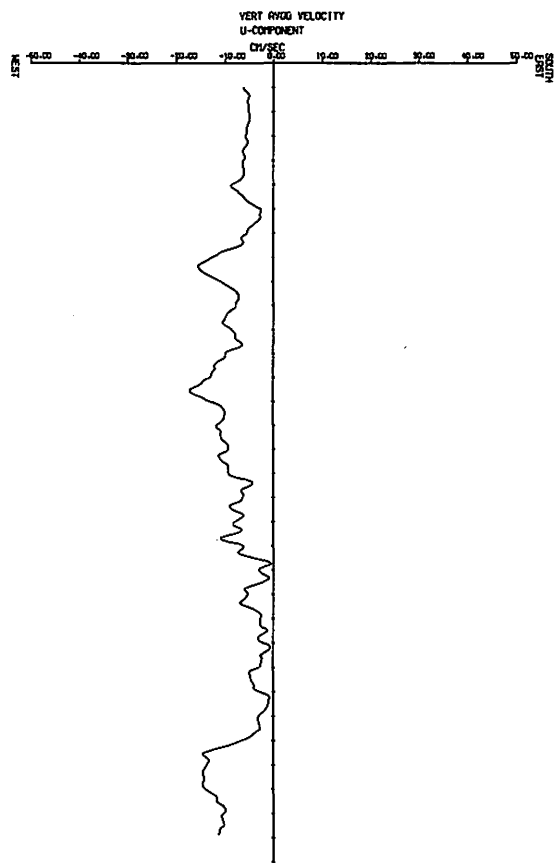
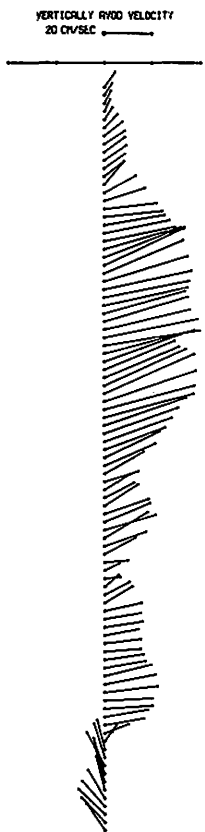
ORIGIN TIME 01/05/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIP	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIP	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC
29.0	3.1	87	3.1	.2	5.1	133	3.7	-3.5	4.7	113	4.3	-1.8
53.0	4.5	113	4.2	-1.7	2.5	69	2.3	.9	3.3	73	3.2	1.0
77.0	5.0	103	4.9	-1.2	7.6	116	6.8	-3.4	10.5	123	8.9	-5.7
101.0	11.7	125	9.6	-6.8	10.0	127	7.9	-6.1	5.2	138	3.5	-3.8
125.0	4.3	20	1.5	4.0	15.0	357	-0.9	15.0	25.4	356	-1.9	25.4
149.0	33.5	349	-6.4	33.0	38.0	347	-9.8	37.0	41.0	350	-7.0	40.4
173.0	38.9	351	-6.2	38.4	35.8	354	-3.9	35.6	35.3	354	-3.7	35.1
197.0	35.4	355	-3.3	35.2	35.7	354	-3.7	35.5	36.9	354	-4.0	36.7
221.0	38.6	354	-4.1	38.4	37.0	356	-2.4	36.9	36.9	358	-1.5	36.9
245.0	38.4	356	-2.7	38.4	43.8	356	-3.1	43.7	45.8	354	-5.2	45.5
269.0	44.8	354	-4.3	44.6	41.5	353	-5.2	41.1	38.2	353	-4.8	37.9
293.0	36.3	353	-4.7	36.0	33.4	353	-4.0	33.2	29.6	351	-4.5	29.2
317.0	32.2	350	-5.3	31.7	36.2	354	-3.9	36.0	38.3	353	-4.6	38.0
341.0	33.1	350	-5.5	32.6	27.6	341	-9.0	26.1	25.7	341	-8.4	24.3
365.0	29.9	352	-4.3	29.6	34.3	358	-1.5	34.3	33.6	358	-1.4	33.6
389.0	27.0	348	-5.4	26.4	19.0	334	-8.2	17.2	16.7	316	-11.6	12.0
413.0	15.0	317	-10.3	10.9	17.2	337	-6.8	15.8	18.2	356	-1.3	18.1
437.0	19.5	359	-.5	19.5	23.1	357	-1.2	23.1	27.2	353	-3.2	27.0
461.0	28.0	355	-2.6	27.9	29.1	352	-4.2	28.8	26.7	352	-3.7	26.5
485.0	24.8	346	-5.9	24.1	16.5	332	-7.8	14.6	11.0	318	-7.4	8.2
509.0	4.4	305	-3.6	2.5	1.4	245	-1.3	-.6	1.5	336	-.6	1.4
533.0	7.4	348	-1.5	7.2	13.9	355	-1.2	13.8	17.7	0	.1	17.7
557.0	19.3	3	1.1	19.3	17.5	9	2.6	17.3	16.4	0	.1	16.4
581.0	13.8	328	-7.3	11.7	16.2	316	-11.2	11.7	13.8	320	-8.9	10.5
605.0	16.7	344	-4.7	16.1	18.9	352	-2.5	18.7	21.8	347	-5.0	21.2
629.0	21.6	341	-6.9	20.4	21.5	345	-5.4	20.8	21.0	350	-3.6	20.7
653.0	18.7	353	-2.4	18.6	20.0	348	-4.2	19.6	20.3	354	-2.1	20.2
677.0	19.7	356	-1.3	19.6	16.0	357	-.9	16.0	11.1	319	-7.2	8.4
701.0	8.0	311	-6.0	5.3	3.0	336	-1.2	2.7	4.5	29	2.2	4.0
725.0	6.7	42	4.5	5.0	8.0	33	4.4	6.7	7.9	31	4.0	6.8
749.0	10.8	21	3.9	10.0	13.3	16	3.7	12.7	17.1	26	7.5	15.4
773.0	16.7	34	9.4	13.8								

01/05/73 - 02/05/73 OFFSHORE ARRAY
FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



DATA POINTS FROM VERTICALLY AVAILABLE WIND VELOCITY LOG

PLUT CRUTELL 01/19/73 - 02/19/73 DEPART 01 14

ORIGIN TIME 01/19/73 0000

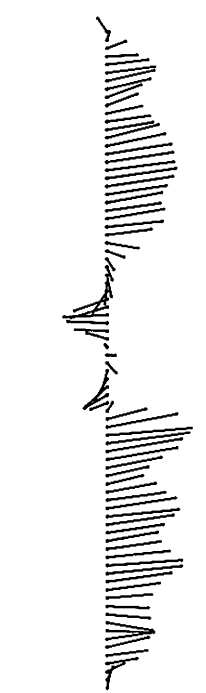
DATA FILTERED OVER 24 HOURS WITH 1/100000 INCREMENT

TIME TO HOUR FROM FIRST POINT

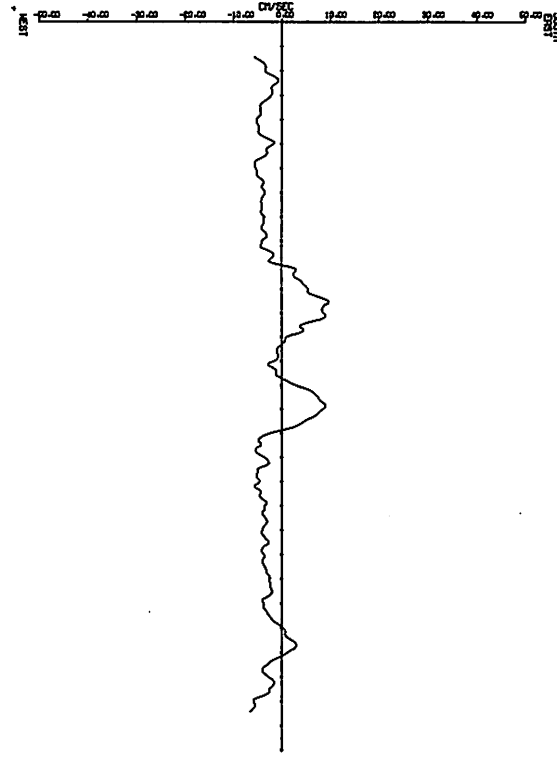
TIME	WIND CHANG	DIR	U CH /1000	V CH /1000	WIND CHANG	DIR	U CH /1000	V CH /1000	WIND CHANG	DIR	U CH /1000	V CH /1000
24.0	7.5	335	-5.2	4.1	5.9	333	-6.2	3.2	5.3	202	-5.2	2.7
48.0	5.5	235	-5.1	2.4	5.1	324	-5.7	3.4	7.7	215	-5.5	5.4
72.0	9.5	322	-5.8	7.5	11.1	327	-5.5	8.5	13.7	224	-5.2	5.7
96.0	11.1	326	-6.2	3.2	17.7	325	-6.7	5.6	15.4	327	-5.3	5.7
120.0	11.6	311	-5.8	7.5	14.8	331	-7.1	17.1	17.7	342	-5.4	16.9
144.0	12.1	354	-2.5	21.2	24.7	354	-2.5	24.4	25.7	351	-4.7	25.5
168.0	27.9	349	-5.5	27.4	22.7	344	-6.1	20.7	33.4	344	-5.3	22.1
192.0	35.2	339	-12.2	31.5	35.2	325	-15.5	28.4	35.2	327	-13.3	25.2
216.0	35.4	343	-12.7	34.4	37.2	342	-7.3	36.4	36.1	349	-7.2	25.6
240.0	35.7	349	-7.7	34.2	35.5	344	-2.5	33.7	35.2	343	-11.5	24.7
264.0	36.5	346	-8.7	35.5	39.4	348	-7.2	28.5	35.1	351	-5.5	26.6
288.0	37.5	345	-12.5	37.7	37.2	346	-11.5	31.2	31.2	357	-12.2	26.3
312.0	37.2	327	-13.5	31.2	37.4	345	-12.5	34.1	41.7	335	-15.7	27.4
336.0	40.2	341	-13.3	33.1	38.2	345	-11.2	37.5	38.4	345	-11.1	27.1
360.0	36.2	341	-11.2	34.2	32.2	346	-11.2	31.5	29.9	342	-12.1	23.1
384.0	27.1	345	-2.4	25.4	25.2	334	-11.1	27.3	27.2	325	-9.3	24.4
408.0	17.2	331	-4.3	15.4	14.2	343	-4.4	14.1	12.6	322	-5.6	11.7
432.0	12.2	332	-6.4	12.3	16.4	327	-3.2	16.1	12.6	341	-5.3	12.5
456.0	22.2	328	-7.4	13.2	22.5	344	-5.4	21.6	21.2	329	-11.3	12.3
480.0	13.2	341	-6.1	17.5	14.7	332	-6.2	12.2	12.2	355	-1.4	22.6
504.0	6.7	324	-7.5	5.1	6.5	354	-1.7	5.4	7.5	321	-2.8	11.7
528.0	11.6	322	-5.3	10.3	17.2	322	-5.2	11.5	15.2	347	-7.5	17.5
552.0	15.4	352	-2.6	17.2	15.1	351	-2.4	17.2	14.4	342	-2.6	14.1
576.0	15.4	352	-1.9	13.3	15.2	355	-1.2	15.1	15.5	352	-2.4	14.7
600.0	17.5	350	-7.5	17.7	20.2	346	-4.8	19.5	21.7	342	-4.1	24.3
624.0	22.5	353	-2.7	22.3	21.1	352	-1.6	20.7	25.2	356	-1.4	20.1
648.0	14.5	351	-3.1	16.2	15.2	351	-2.3	16.4	15.7	352	-1.2	11.2
672.0	1.4	325	-5.3	4.2	12.4	352	-12.5	-5.3	14.7	252	-14.7	-4.6
696.0	15.8	341	-13.2	-7.7	15.2	252	-14.5	-6.2	14.2	254	-15.4	-4.2
720.0	14.7	222	-13.3	-3.5	13.7	225	-11.5	-7.7	14.1	222	-11.4	-5.7
744.0	15.2	222	-11.5	-11.2	14.1	222	-11.5	-11.7	12.5	222	-11.1	-7.2

02/08/73 - 03/08/73 INSHORE ARRAY
FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.

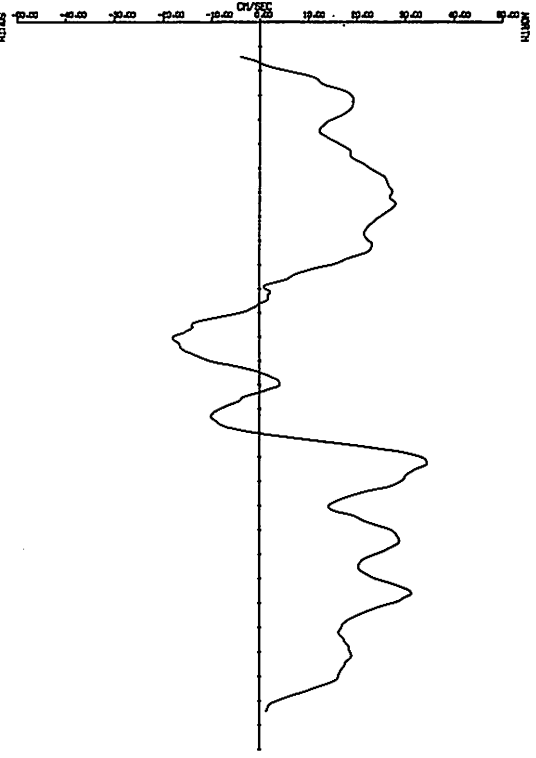
VERTICALLY AVOO VELOCITY
20 CM/SEC



VERTICALLY AVOO VELOCITY
U-COMPONENT



VERTICALLY AVOO VELOCITY
V-COMPONENT



DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLOT

PLOT ENTITLED 02/08/73 - 03/03/73 INSHORE ARRAY

ORIGIN TIME 02/08/73 0000

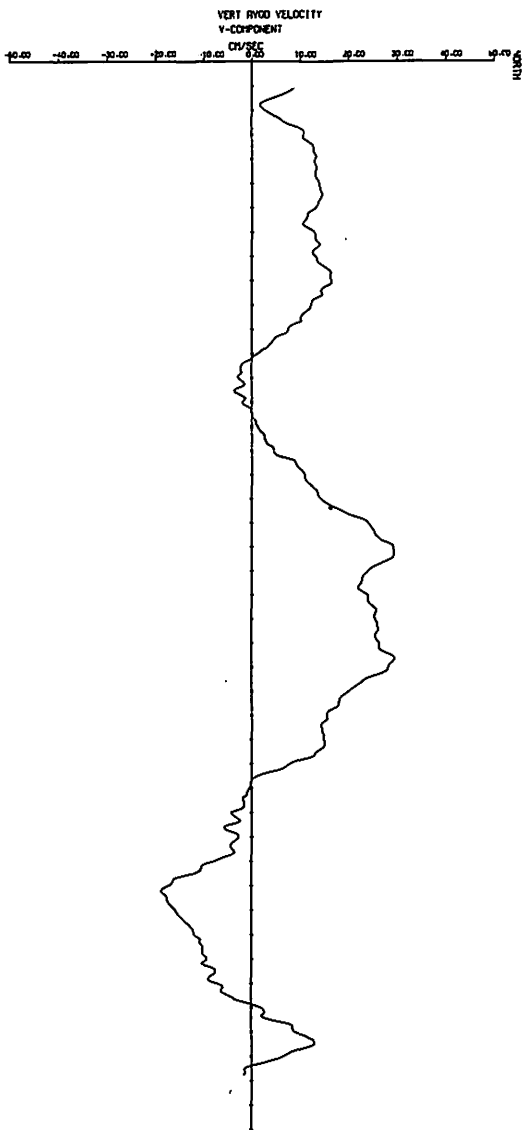
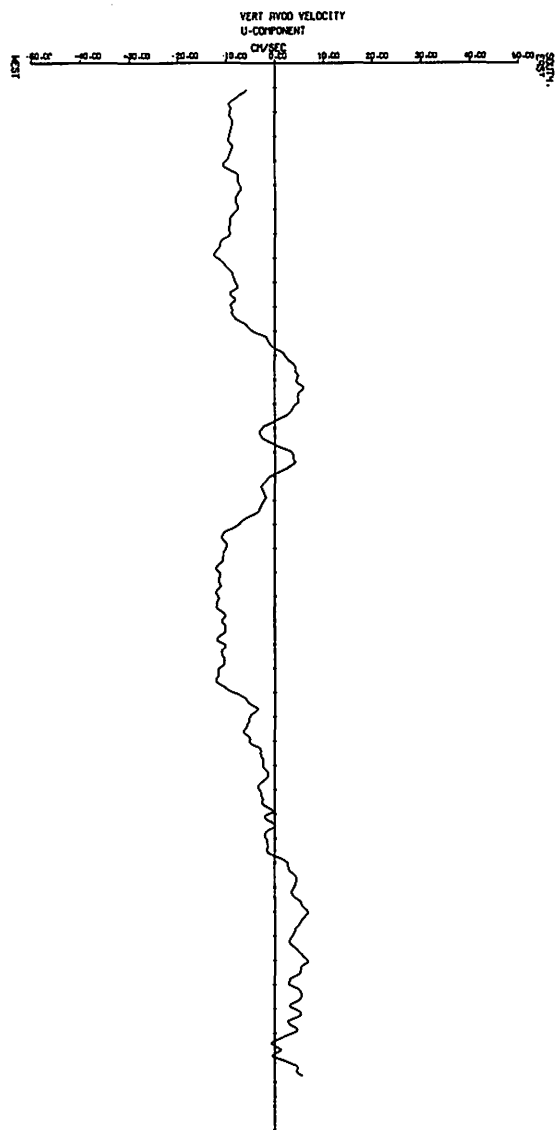
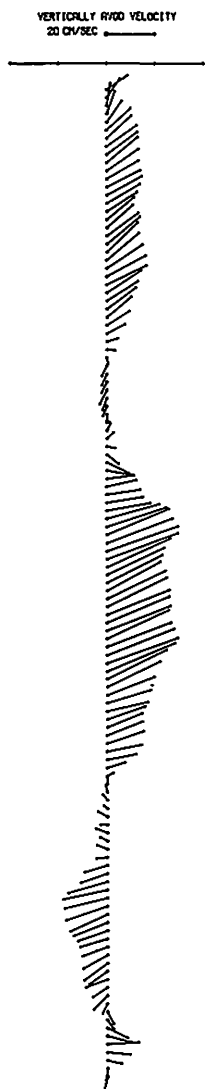
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 6 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIR	U CM	V /SEC	SPEED CM/SEC	DIR	U CM	V /SEC	SPEED CM/SEC	DIR	U CM	V /SEC
34.0	6.8	235	-5.6	-3.9	3.5	286	-3.4	1.0	8.2	339	-2.9	7.7
58.0	12.4	357	-.6	12.3	16.3	353	-2.0	16.7	19.5	353	-2.5	19.3
82.0	13.3	347	-4.4	19.3	18.1	347	-4.2	17.6	14.9	340	-5.2	14.0
106.0	13.3	339	-4.7	12.4	14.5	348	-3.1	14.2	17.5	352	-2.4	17.4
130.0	19.0	351	-3.1	18.8	21.6	345	-5.5	20.9	24.1	348	-5.1	23.6
154.0	26.4	351	-4.2	26.1	27.1	351	-4.1	26.8	27.5	353	-3.5	27.2
178.0	28.4	352	-4.1	23.1	27.1	351	-4.1	26.8	24.5	351	-3.7	24.3
202.0	22.8	350	-4.1	22.4	21.9	352	-3.1	21.7	23.5	350	-4.0	23.1
226.0	22.7	354	-2.3	22.6	18.1	353	-2.3	17.9	12.9	10	2.1	12.7
250.0	7.5	20	2.5	7.0	5.2	57	4.3	2.8	5.7	68	5.3	2.1
274.0	9.2	79	9.0	1.8	8.7	96	8.6	-.9	11.0	123	9.2	-5.1
298.0	14.5	160	4.9	-13.7	15.7	163	4.5	-15.1	18.0	178	.8	-17.9
322.0	16.5	182	-.7	-16.5	13.4	182	-.6	-13.4	9.3	197	-2.6	-8.6
346.0	1.2	229	-.9	-.9	3.3	5	.3	3.3	5.6	48	4.1	3.7
370.0	7.3	105	7.1	-1.9	10.1	120	8.7	-5.1	12.0	138	8.0	-9.0
394.0	11.1	150	5.5	-9.6	7.4	159	7.6	-6.9	4.1	303	-3.5	2.3
418.0	16.3	345	-4.2	15.8	26.9	349	-5.4	28.4	34.4	355	-2.9	34.3
442.0	33.6	353	-4.3	33.3	30.7	350	-5.1	30.3	28.9	353	-4.9	28.5
466.0	22.4	349	-4.2	22.0	17.1	347	-3.7	16.7	14.8	347	-3.4	14.4
490.0	20.0	350	-3.6	19.6	23.6	352	-3.2	23.4	28.1	351	-4.2	27.8
514.0	29.1	355	-2.8	29.0	27.2	352	-3.9	26.9	23.2	352	-3.4	22.9
538.0	21.9	350	-3.6	20.5	21.8	352	-3.1	21.6	25.5	354	-2.5	25.4
562.0	30.5	356	-2.1	30.4	30.5	354	-3.0	30.3	26.3	352	-3.6	26.0
586.0	21.5	353	-2.8	21.4	18.1	355	-1.4	18.0	16.8	2	.7	16.8
610.0	17.3	5	1.5	17.3	18.7	10	3.1	18.5	19.0	2	.7	19.0
634.0	18.0	352	-2.5	17.8	17.3	347	-4.0	16.9	16.3	353	-1.9	16.2
658.0	12.3	350	-2.1	12.2	7.9	333	-3.5	7.1	6.0	295	-5.5	2.5
682.0	5.6	282	-6.4	1.4								

02/01/73 - 03/20/73 OFFSHORE ARRAY

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



DATA POINTS FROM VERTICALLY AVERAGE VELOCITY PLOT

PLOT EXTENDING 02/07/78 - 02/27/78 OFFSHORE ARRAY

ORIGIN TIME 02/07/78 0001

DATA FILE FOR OVER 24 HOURS WITH VECTORS EVERY 4 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	DEPTH CM/SEC	DIF	U CM /SEC	V CM /SEC	DEPTH CM/SEC	DIF	U CM /SEC	V CM /SEC	DEPTH CM/SEC	DIF	U CM /SEC	V CM /SEC
26.0	11.0	326	-5.3	4.8	9.6	325	-7.8	5.5	3.5	250	-9.4	1.6
50.0	9.0	280	-3.3	3.4	10.7	306	-8.7	5.2	13.6	214	-9.7	10.2
74.0	14.1	319	-9.4	10.6	15.7	324	-3.6	12.7	16.1	324	-9.3	17.0
98.0	16.7	322	-13.5	13.1	16.1	328	-3.0	13.4	15.7	330	-7.6	13.3
122.0	15.7	334	-6.9	14.1	16.5	332	-7.7	14.6	15.9	330	-7.9	17.9
146.0	15.1	328	-8.9	12.7	14.7	321	-2.2	11.6	14.5	319	-9.4	11.1
170.0	16.7	324	-9.4	13.2	17.2	321	-11.2	17.3	17.3	317	-12.1	12.8
194.0	17.5	321	-11.2	13.6	17.2	327	-2.7	19.0	18.6	332	-8.6	16.4
218.0	18.4	325	-7.3	16.6	17.7	323	-9.1	14.5	15.7	328	-3.1	13.1
242.0	15.4	324	-6.7	12.2	13.7	321	-3.4	11.3	11.0	323	-5.8	9.3
266.0	8.3	337	-3.8	7.6	4.2	344	-1.3	6.6	3.2	5	0.7	3.2
290.0	2.4	72	2.3	.5	4.6	116	4.2	-2.7	5.1	114	4.6	-2.1
314.0	5.0	116	4.5	-2.2	6.5	113	6.8	-3.2	5.1	111	4.9	-1.8
338.0	4.7	113	4.0	-1.2	2.2	22	2.8	-.1	2	342	-.7	.9
362.0	7.2	207	-2.3	1.5	3.7	318	-2.5	2.3	3.4	10	.6	3.4
386.0	6.0	34	3.3	4.7	0.9	25	4.3	2.9	10.7	10	1.7	10.1
410.0	11.2	353	-1.4	11.1	12.0	347	-2.7	12.3	14.0	352	-2.0	13.8
434.0	15.1	351	-2.3	14.3	18.2	350	-3.1	17.9	22.4	345	-5.9	21.6
458.0	25.3	342	-7.3	24.5	27.7	332	-10.6	25.6	28.9	329	-10.2	27.1
482.0	31.1	341	-10.2	23.3	31.2	340	-10.7	23.3	28.3	326	-11.8	26.2
506.0	26.2	335	-11.2	23.9	25.6	333	-11.4	22.5	25.1	332	-11.9	22.1
530.0	26.3	334	-11.5	24.1	27.6	334	-12.0	24.7	27.7	338	-10.2	25.7
554.0	27.9	337	-10.3	25.9	28.2	339	-13.2	26.3	23.2	335	-11.9	25.6
578.0	28.4	339	-13.0	26.5	29.9	340	-13.9	27.9	31.2	340	-10.4	29.4
602.0	31.5	327	-11.7	28.2	27.4	324	-12.3	24.6	24.7	325	-10.5	22.0
626.0	31.0	339	-7.4	19.6	18.9	343	-5.4	16.1	17.2	347	-7.7	16.8
650.0	16.5	341	-5.3	15.7	15.5	328	-5.8	14.4	15.9	329	-5.7	14.9
674.0	16.0	342	-5.0	15.2	14.6	349	-2.8	14.4	12.4	349	-2.3	12.2
698.0	7.7	343	-2.3	7.5	2.2	333	-1.3	2.5	7.1	268	-2.1	-.1
722.0	2.9	256	-2.2	-.7	3.7	232	-2.4	-1.2	1.2	220	-1.2	-1.5
746.0	4.4	250	-2.1	-3.9	2.1	182	-.1	-2.8	5.2	211	-1.9	-4.5
770.0	3.4	218	-1.6	-3.1	4.6	201	-1.6	-4.7	4.4	175	.4	-4.6
794.0	6.8	164	2.7	-3.4	11.9	182	3.6	-11.2	15.3	165	4.4	-16.2
818.0	11.5	168	3.7	-13.2	15.0	167	4.1	-17.7	13.7	162	5.6	-17.1
842.0	16.7	164	6.5	-15.5	15.1	179	5.4	-14.1	12.2	161	4.1	-12.2
866.0	11.7	164	3.2	-11.7	11.7	161	3.7	-11.3	11.6	161	5.3	-10.2
890.0	11.3	145	6.2	-9.2	9.3	145	6.3	-7.5	9.4	160	3.2	-8.9
914.0	7.1	147	4.8	-5.7	7.9	125	5.6	-8.5	4.4	117	3.1	-2.1
938.0	10.0	103	4.2	2.5	8.0	103	3.7	2.8	9.6	26	4.1	5.0
962.0	11.7	14	1.5	3.1	13.1	107	-.7	13.1	14.8	5	.1	2.6
986.0	5.1	15	1.7	5.9	4.2	104	4.7	-.7	5.0	156	3.6	-11.6

03/21/73 - 04/30/73 INSHORE PERRY

FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.

VERTICALLY AVOID VELOCITY
20 CM/SEC



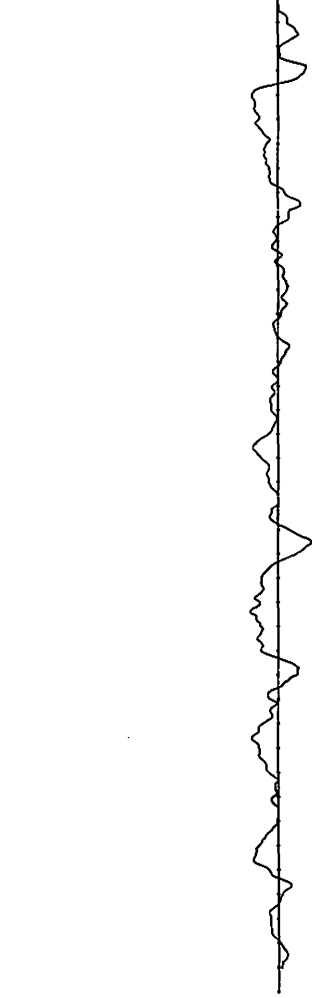
VERT AVOID VELOCITY
U-COMPONENT
CM/SEC

VERT AVOID VELOCITY
Y-COMPONENT
CM/SEC

WEST

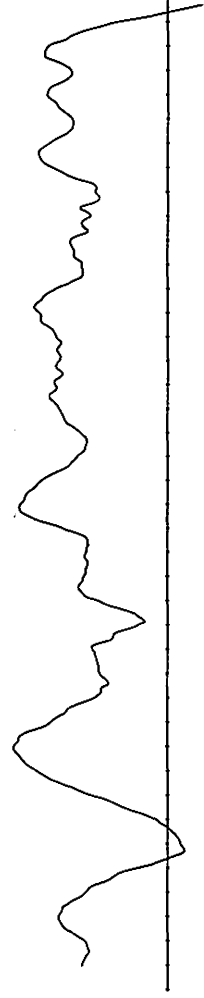
EAST

NORTH



VERT AVOID VELOCITY
Y-COMPONENT
CM/SEC

NORTH



DATA OBSERVED FROM VERTICALLY LAID BATHY THERMOGRAPH

PLANT SITE: 10/10/73 - 11/30/73 IMPROVED ARRAY

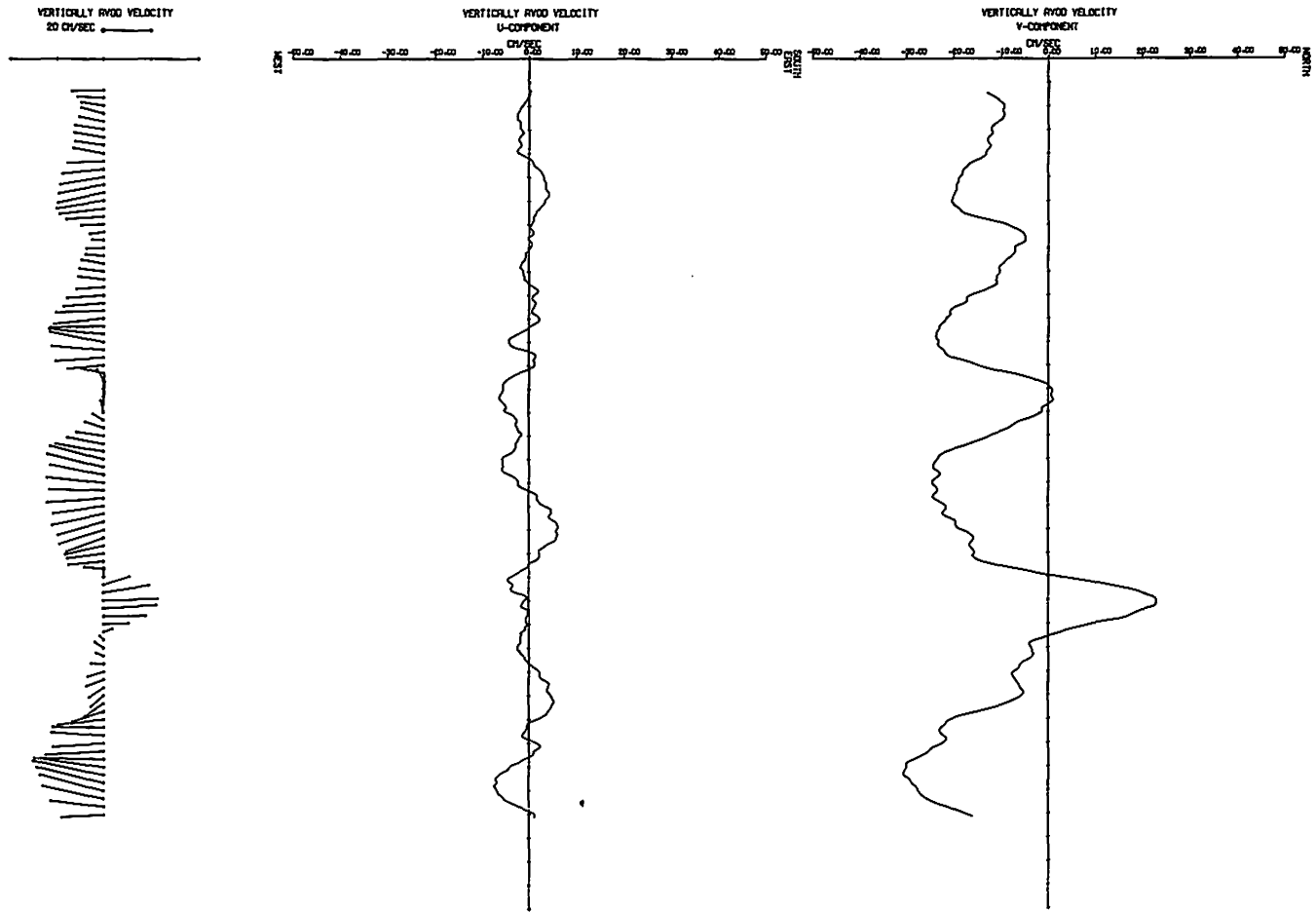
ORIGIN TIME: 11/21/73 01:00

DATA SAMPLED OVER 24 HOURS WITH FACTORS EVERY 5 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	DEPTH CM/SEC	DIP	U CM/SEC	V CM/SEC	SPEED CM/SEC	DIP	U CM/SEC	V CM/SEC	SPEED CM/SEC	DIP	U CM/SEC	V CM/SEC
31.0	7.1	1	.2	7.1	1.1	110	1.0	-7.4	7.7	188	2.1	-2.5
55.0	18.7	167	3.6	-15.0	27.8	171	3.3	-20.5	24.6	179	.6	-14.6
79.0	25.8	179	.4	-25.5	23.1	173	2.9	-22.2	21.9	165	5.6	-20.2
103.0	25.4	180	4.1	-20.4	23.7	185	-2.0	-23.5	25.5	192	-5.3	-24.9
127.0	23.7	191	-4.7	-23.3	22.4	192	-4.8	-21.8	29.7	191	-3.2	-19.9
151.0	20.1	192	-4.1	-19.7	21.4	198	-2.8	-21.2	24.3	185	-2.2	-24.2
175.0	26.7	186	-2.7	-26.6	20.4	195	-2.3	-26.3	24.2	184	-1.7	-24.2
199.0	27.0	195	-1.8	-23.8	15.0	145	-1.3	-15.0	14.9	175	1.4	-14.8
223.0	14.6	185	3.8	-14.1	18.5	160	1.9	-18.1	16.0	172	2.2	-15.8
247.0	17.8	179	.4	-17.3	16.4	183	-1.0	-16.3	20.8	181	-.3	-20.7
271.0	19.7	187	-1.1	-19.7	19.5	178	.8	-19.5	17.6	190	.1	-17.6
295.0	17.3	175	1.4	-17.4	19.1	175	1.6	-19.0	23.0	175	1.3	-22.8
319.0	25.6	179	.6	-25.6	27.3	175	1.8	-27.3	26.8	179	.6	-26.8
343.0	25.7	191	-.6	-26.3	24.2	192	-.6	-24.2	23.1	189	.1	-23.1
367.0	22.2	174	2.4	-22.1	22.7	176	1.5	-22.6	22.4	179	.5	-22.4
391.0	23.0	192	-.7	-23.7	22.1	191	-.2	-22.1	23.4	192	-1.0	-23.4
415.0	24.7	181	-.6	-23.7	24.0	194	-1.6	-24.0	22.6	193	-1.3	-22.5
439.0	21.5	181	-.3	-21.6	20.6	192	-.7	-20.6	18.3	185	-1.6	-18.2
463.0	17.0	194	-4.0	-16.6	17.8	197	-5.2	-17.0	18.9	191	-3.7	-18.6
487.0	21.2	196	-2.0	-20.1	23.1	186	-2.8	-22.4	26.0	184	-1.8	-25.9
511.0	27.5	192	-1.1	-27.5	29.4	191	.0	-29.4	30.3	190	-.0	-30.3
535.0	30.5	182	-1.3	-30.4	27.3	192	-1.2	-27.3	22.2	175	1.9	-22.1
559.0	18.4	184	5.0	-17.7	17.8	194	6.6	-16.6	17.3	166	4.1	-16.8
583.0	16.2	178	.5	-16.0	16.2	187	-2.1	-16.7	17.5	191	-3.3	-17.1
607.0	19.3	191	-3.4	-18.0	18.2	191	-3.5	-17.4	15.4	195	-3.9	-14.9
631.0	11.7	208	-5.4	-10.4	7.6	216	-4.5	-6.2	7.0	213	-3.8	-5.8
655.0	11.0	190	-3.6	-10.4	12.7	197	-3.7	-11.8	16.0	193	-3.5	-15.6
679.0	14.9	191	-.2	-14.4	14.0	169	3.8	-14.4	14.7	167	4.2	-14.1
703.0	12.5	178	1.5	-12.4	17.5	185	-1.3	-17.3	14.7	199	-2.1	-14.8
727.0	12.0	183	-.9	-12.0	21.4	187	-1.2	-21.5	24.2	187	-2.3	-24.0
751.0	27.8	188	-3.2	-27.3	21.0	191	-5.5	-20.3	22.0	187	-4.0	-21.7
775.0	11.4	187	-4.0	-11.1	24.0	185	-2.6	-20.7	27.6	184	-2.1	-27.5
799.0	21.7	197	-.1	-21.7	20.5	192	-.4	-20.5	16.6	193	-.3	-16.6
823.0	11.0	194	-.1	-11.0	7.4	181	-.1	-7.4	7.8	188	-.1	-7.8
847.0	11.9	208	-1.2	-11.2	7.1	203	-2.6	-7.7	4.6	206	-1.7	-4.7
871.0	11.4	208	-4.5	-11.6	5.0	208	-5.2	-5.2	5.2	211	-2.1	-5.5
895.0	11.0	197	-.6	-11.0	14.7	189	2.3	-14.7	16.7	177	.9	-16.7
919.0	10.1	179	.0	-10.1	11.1	184	-1.4	-11.2	22.8	184	-1.5	-22.6
943.0	22.1	184	-1.8	-22.1	20.1	194	-1.8	-20.1	17.8	192	.2	-17.6
967.0	18.0	178	1.4	-18.0	18.0	174	1.7	-18.0	17.7	174	.7	-17.7

5/01/75 - 05/04/75 INSHORE ARRAY
FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLOT

PLOT ENTITLED 05/01/73 - 06/04/73 INSHORE ARRAY

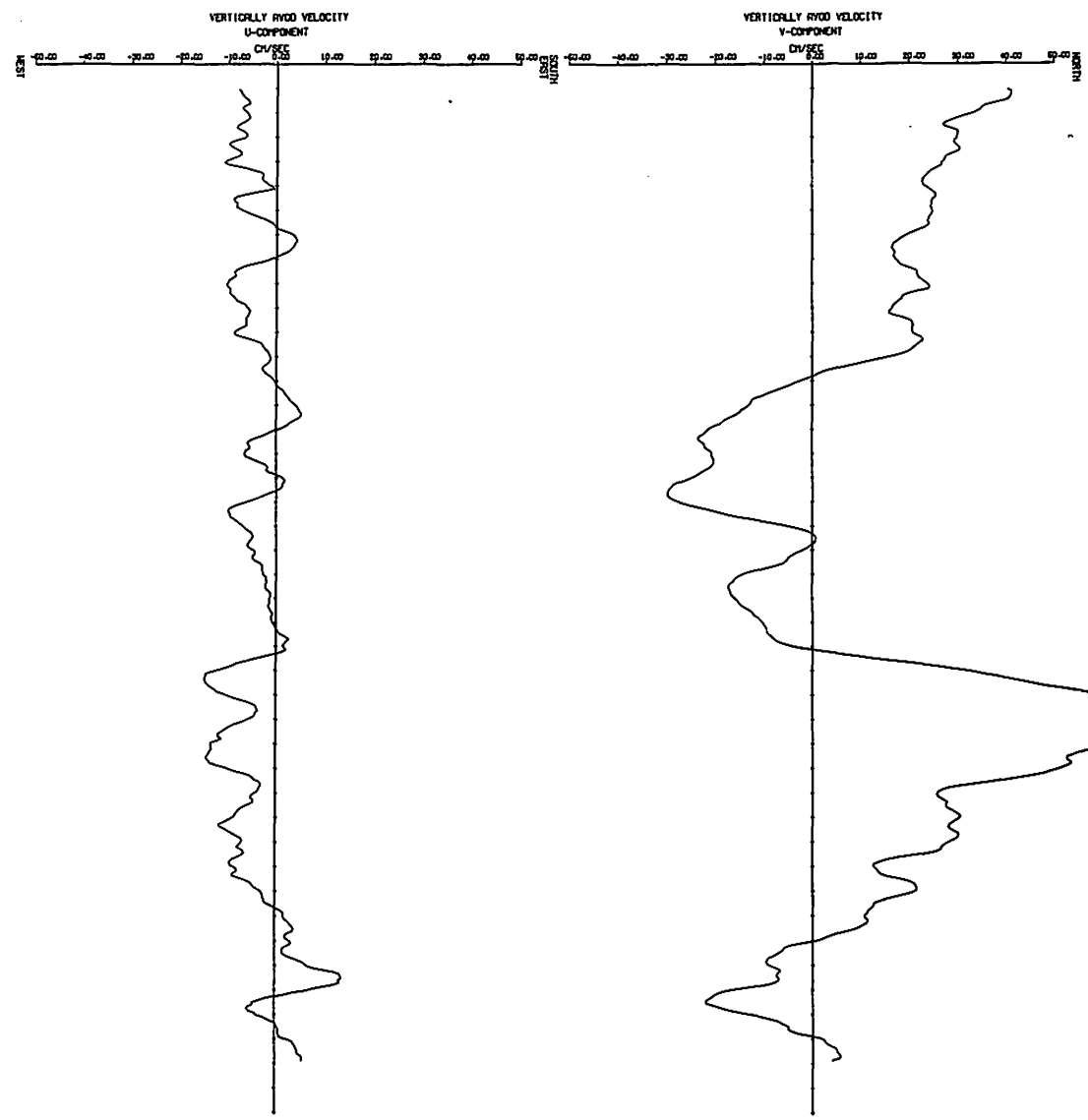
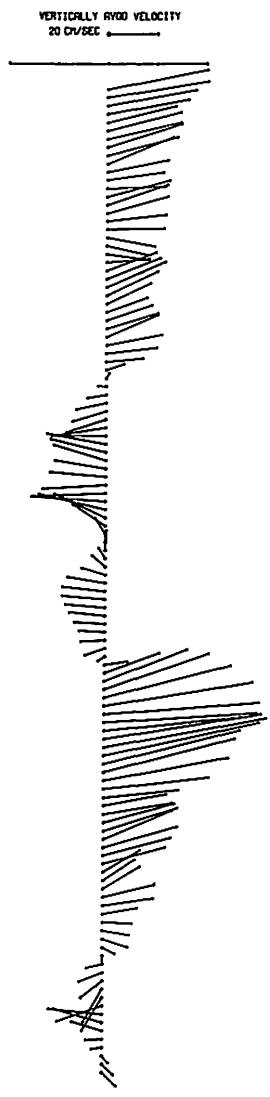
ORIGIN TIME 05/01/73 0000

DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

TIME	SPEED CM/SEC	DIR	U CM	V /SEC	SPEED CM/SEC	DIR	U CM	V /SEC	SPEED CM/SEC	DIR	U CM	V /SEC
31.0	13.7	178	.5	-13.7	11.2	181	-.3	-11.2	9.4	188	-1.3	-9.3
55.0	9.7	194	-2.4	-9.4	10.4	190	-1.9	-10.2	12.2	188	-1.7	-12.1
79.0	12.7	189	-2.0	-12.6	12.7	187	-1.5	-12.2	13.3	190	-2.3	-13.1
103.0	15.4	177	.7	-15.4	17.7	174	2.0	-17.6	18.8	171	3.1	-18.6
127.0	19.6	169	3.6	-19.3	20.0	168	4.2	-19.6	20.5	171	3.4	-20.3
151.0	19.1	173	2.4	-19.0	16.0	176	1.1	-16.0	9.4	176	.6	-9.4
175.0	5.9	171	.3	-5.8	4.9	181	-.1	-4.9	7.1	178	.3	-7.1
199.0	7.5	184	-.5	-7.5	9.5	189	-1.5	-9.3	10.3	186	-1.2	-10.3
223.0	11.1	186	-1.2	-11.0	11.7	176	.9	-11.7	15.8	176	1.2	-15.8
247.0	17.3	175	1.4	-17.2	20.5	178	.7	-20.5	21.4	174	2.2	-21.3
271.0	22.8	179	.4	-22.8	23.6	186	-2.3	-23.5	23.4	191	-4.3	-23.0
295.0	22.4	184	-1.7	-22.3	20.7	176	1.4	-20.7	15.4	175	1.3	-15.4
319.0	9.5	193	-2.1	-9.3	5.5	242	-4.9	-2.6	5.5	274	-5.5	.4
343.0	6.3	275	-6.3	.5	5.3	275	-5.2	.5	5.1	257	-5.0	-1.1
367.0	5.1	211	-2.6	-4.4	8.3	198	-2.5	-7.9	11.9	188	-1.6	-11.8
391.0	15.9	190	-2.8	-15.7	20.8	189	-3.3	-20.5	23.8	194	-5.8	-23.1
415.0	24.9	193	-5.7	-24.2	23.2	191	-4.3	-22.8	24.5	185	-2.3	-24.4
439.0	23.4	181	-.5	-23.4	24.4	176	1.7	-24.3	21.9	172	3.1	-21.7
463.0	22.8	168	4.7	-22.3	20.4	165	5.5	-19.7	20.0	163	5.9	-19.1
487.0	17.0	160	5.8	-16.0	17.0	167	3.7	-16.6	15.7	172	2.1	-15.5
511.0	15.1	174	1.5	-15.0	8.3	184	-.6	-8.2	3.7	273	-3.7	.2
535.0	11.4	342	-3.5	10.8	19.3	351	-3.1	19.1	22.8	358	-.8	22.8
559.0	27.4	356	-1.4	22.7	17.7	359	-.4	17.7	10.4	358	-.5	10.4
583.0	3.9	340	-1.3	3.6	2.3	228	-1.7	-1.5	4.4	213	-2.4	-3.7
607.0	3.4	202	-1.3	-3.2	5.4	182	-.2	-5.4	7.0	163	2.1	-6.7
631.0	7.8	159	2.7	-7.3	7.4	146	4.1	-6.1	7.0	139	4.6	-5.3
655.0	9.7	147	5.3	-8.2	14.1	163	4.1	-13.5	19.8	174	2.2	-19.7
679.0	22.0	181	-.4	-22.0	22.5	183	-1.4	-22.5	21.8	176	1.4	-21.8
703.0	24.8	177	1.4	-24.8	27.3	181	-.5	-27.3	30.2	188	-4.0	-29.9
727.0	31.2	191	-6.2	-30.5	29.8	193	-6.8	-29.0	28.4	194	-6.9	-27.6
751.0	26.9	192	-5.5	-26.3	23.0	186	-2.6	-22.8	18.2	177	1.0	-18.2

12/18/73 - 01/20/74 INSHORE ARRAY
FILTERING OVER 24 HOURS. VECTORS PLOTTED EVERY 6 HOURS.



DATA POINTS FROM VERTICALLY AVERAGED VELOCITY PLCT

PLOT ENTITLED 12/19/73 - 01/29/74 INSHORE ARRAY

ORIGIN TIME 12/19/73 0000

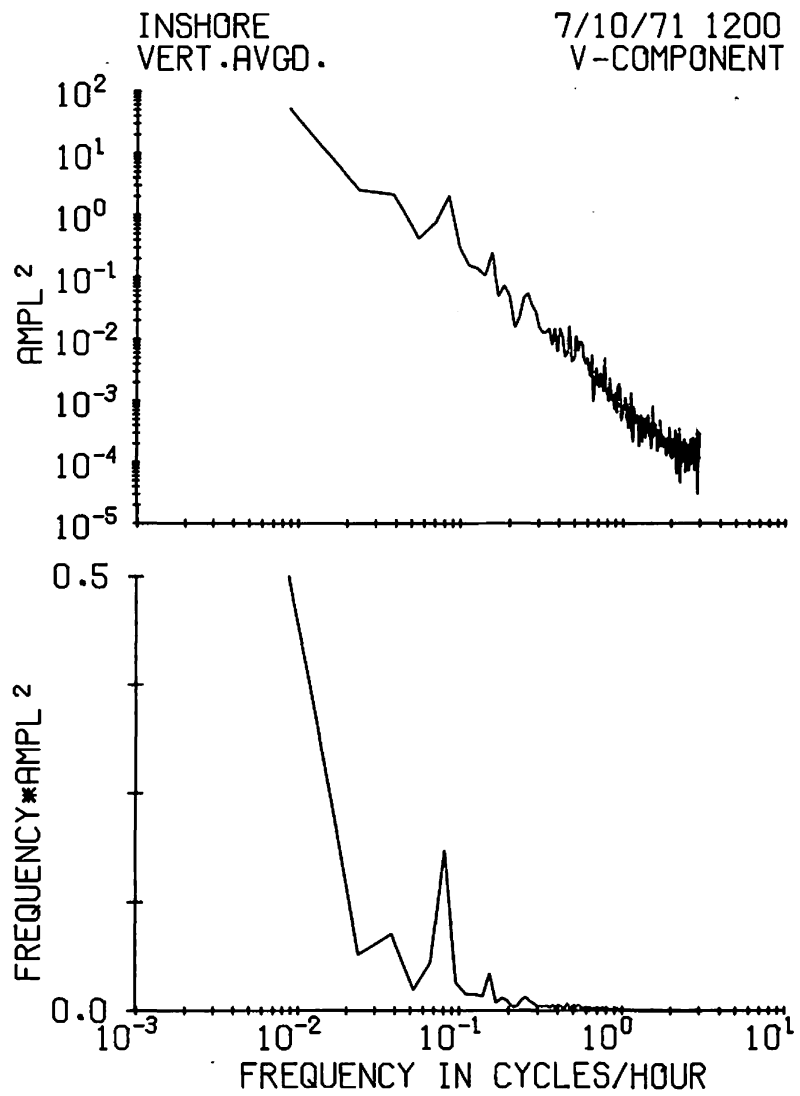
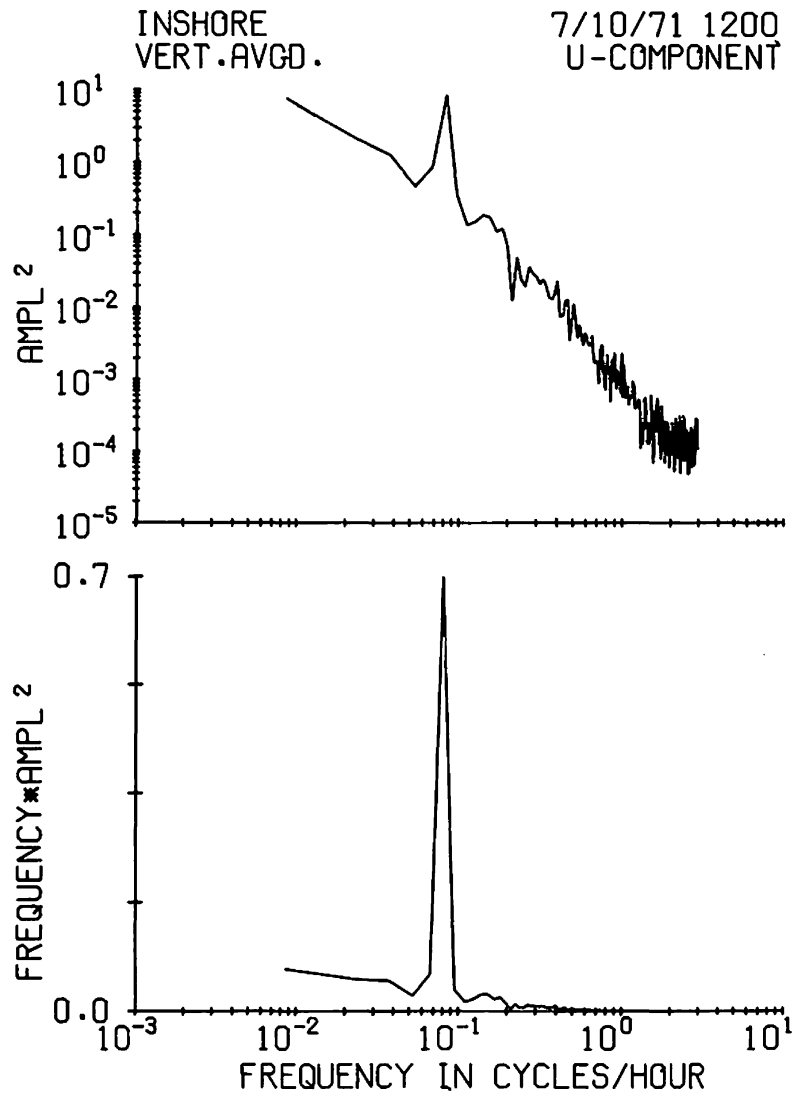
DATA FILTERED OVER 24 HOURS WITH VECTORS EVERY 8 HOURS.

TIME IN HOURS FROM PLOT ORIGIN.

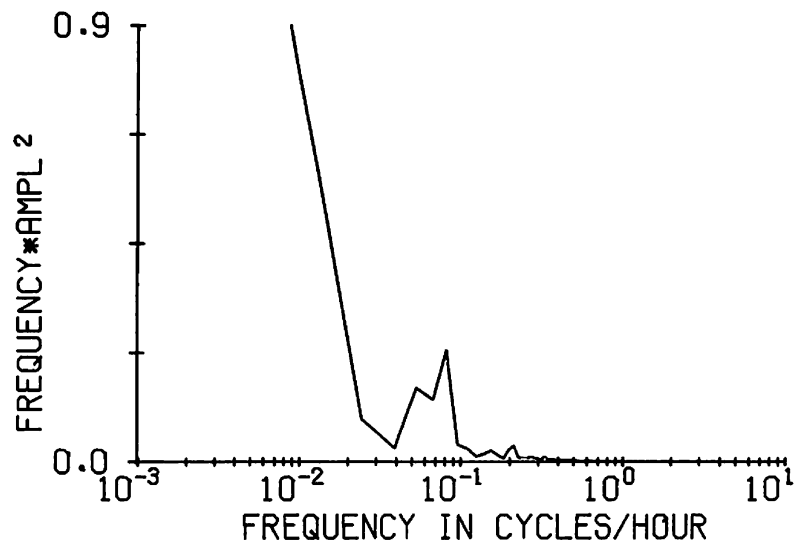
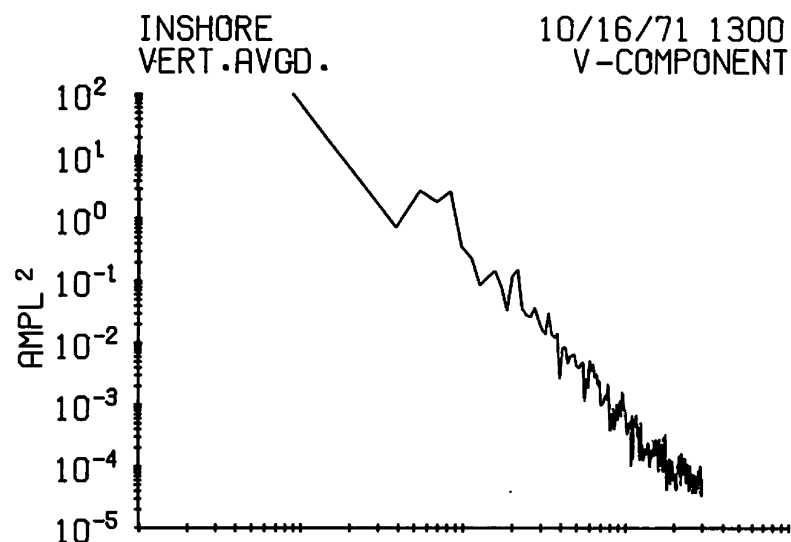
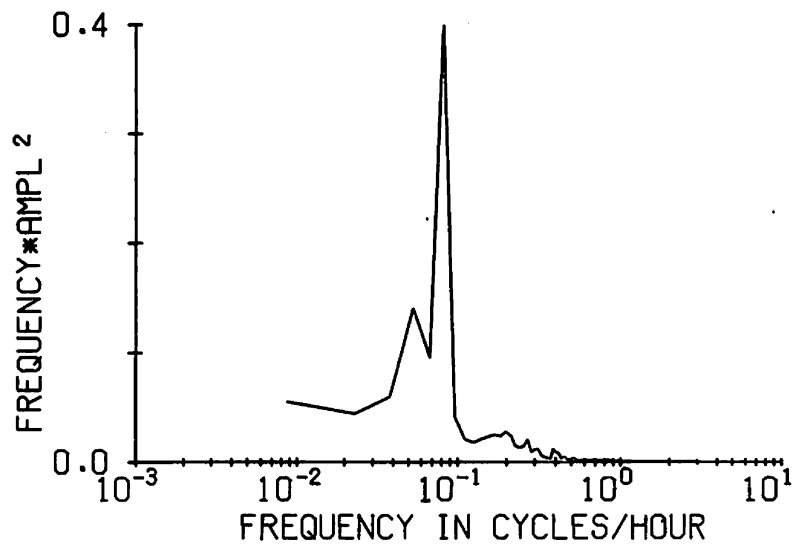
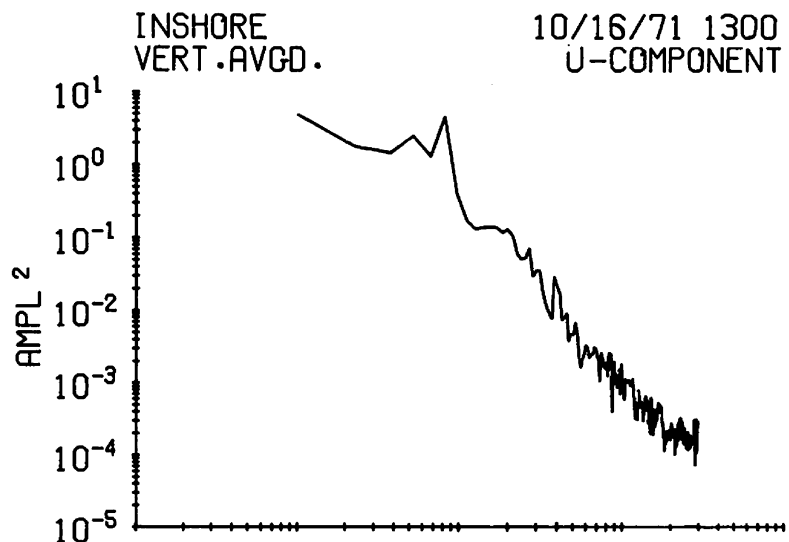
TIME	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC	SPEED CM/SEC	DIR	U CM /SEC	V CM /SEC
25.0	41.1	349	-7.9	40.4	41.3	351	-6.6	40.8	36.3	350	-6.5	35.7
49.0	33.5	350	-6.6	32.9	28.6	347	-6.7	27.8	30.6	346	-7.5	29.7
73.0	30.6	347	-6.8	29.9	31.4	343	-9.4	30.0	29.3	345	-7.4	28.4
97.0	28.8	338	-10.9	26.6	24.9	349	-4.8	24.5	23.0	353	-3.0	22.8
121.0	23.6	358	-.8	23.6	26.4	345	-6.7	25.6	25.9	342	-8.2	24.5
145.0	25.6	345	-6.8	24.7	24.1	354	-2.5	23.9	23.1	359	-.3	23.1
169.0	19.6	11	3.6	19.3	17.1	12	3.7	16.7	17.1	8	2.3	17.0
193.0	17.4	355	-1.4	17.3	21.4	340	-7.3	20.1	23.4	339	-8.5	21.8
217.0	26.0	337	-10.3	23.9	22.9	335	-9.7	20.7	19.7	335	-8.3	17.9
241.0	17.4	340	-5.8	16.4	19.2	342	-6.1	18.3	21.6	343	-6.2	20.7
265.0	22.6	337	-8.9	20.7	22.8	349	-4.2	22.4	20.6	354	-2.3	20.5
289.0	15.0	355	-1.3	14.9	7.6	342	-2.4	7.3	2.5	300	-2.1	1.2
313.0	3.2	185	-.3	-3.2	7.6	170	1.3	-7.4	12.1	168	2.5	-11.8
337.0	14.0	163	4.1	-13.4	16.5	162	5.1	-15.7	18.9	171	3.0	-18.6
361.0	21.7	181	-.2	-21.7	24.0	191	-4.4	-23.6	22.9	194	-5.5	-22.2
385.0	21.7	197	-6.5	-20.8	20.6	190	-3.5	-20.3	22.5	185	-2.1	-22.4
409.0	25.4	177	1.4	-25.4	28.9	178	1.2	-28.9	29.9	184	-2.1	-29.8
433.0	27.6	194	-6.5	-26.8	22.6	206	-9.9	-20.3	15.5	214	-8.8	-12.8
457.0	7.8	239	-6.6	-4.1	4.9	275	-4.8	.4	5.7	273	-5.7	.3
481.0	5.1	239	-4.4	-2.6	7.0	222	-4.7	-5.2	9.6	198	-2.9	-9.1
505.0	15.2	190	-2.6	-14.9	17.0	187	-1.9	-16.9	17.6	185	-1.5	-16.9
529.0	15.8	185	-1.3	-15.7	14.2	186	-1.5	-14.1	12.0	183	-.7	-12.0
553.0	10.1	183	-.6	-10.1	9.5	177	.4	-9.5	8.2	161	2.7	-7.8
577.0	3.2	148	1.7	-2.7	9.3	352	-1.4	9.2	23.5	340	-8.1	22.1
601.0	35.7	339	-13.0	33.2	44.5	341	-14.7	42.0	52.5	345	-13.2	50.8
625.0	60.6	351	-9.8	59.8	62.5	356	-4.9	62.3	61.5	356	-4.0	61.3
649.0	59.8	354	-6.2	59.5	64.1	351	-10.2	63.2	66.4	350	-11.9	65.3
673.0	63.8	348	-13.4	62.3	56.3	346	-13.8	54.6	54.4	345	-13.8	52.7
697.0	51.0	349	-9.5	50.1	42.5	354	-4.8	42.2	30.3	354	-3.1	30.2
721.0	25.8	350	-4.6	25.4	27.9	351	-4.6	27.5	29.6	345	-7.6	28.6
745.0	31.1	343	-9.2	29.7	29.9	337	-11.5	27.6	31.0	344	-8.4	29.8
769.0	28.3	345	-7.1	27.4	26.0	345	-6.6	25.2	17.5	330	-8.9	15.1
793.0	15.3	327	-8.4	12.8	17.5	329	-8.9	15.0	21.3	347	-4.9	20.8
817.0	20.5	352	-2.9	20.3	14.1	350	-2.3	13.9	11.8	2	.4	11.8
841.0	10.8	9	1.7	10.7	10.7	18	3.2	10.2	5.6	27	2.5	5.0
865.0	3.2	90	3.2	-.0	6.4	167	1.4	-6.2	5.8	159	3.5	-9.2
889.0	10.8	142	6.6	-8.5	15.1	120	13.1	-7.5	15.4	121	13.2	-8.0
913.0	19.1	161	6.1	-18.1	21.5	186	-2.2	-21.3	20.1	196	-5.6	-19.3
937.0	12.5	198	-3.8	-11.9	6.5	178	.2	-6.5	4.2	173	.5	-4.1
961.0	3.8	49	2.8	2.4	6.4	42	4.3	4.7	7.9	44	5.5	5.7

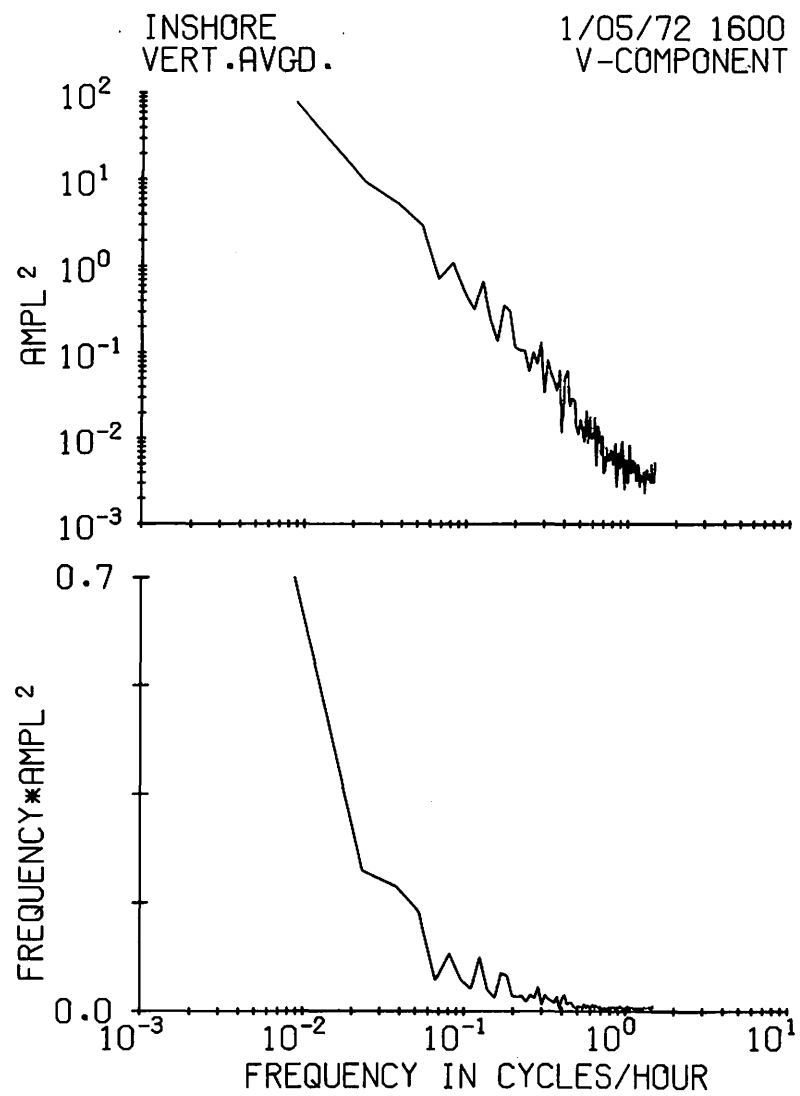
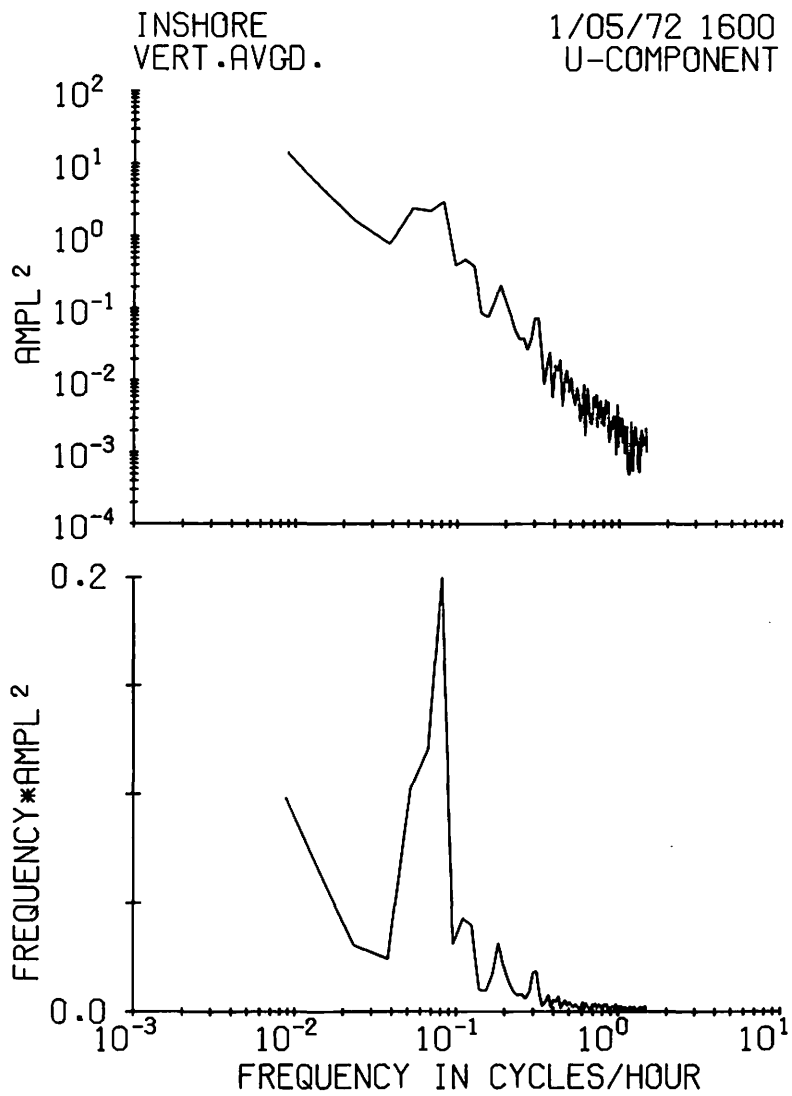
A-297

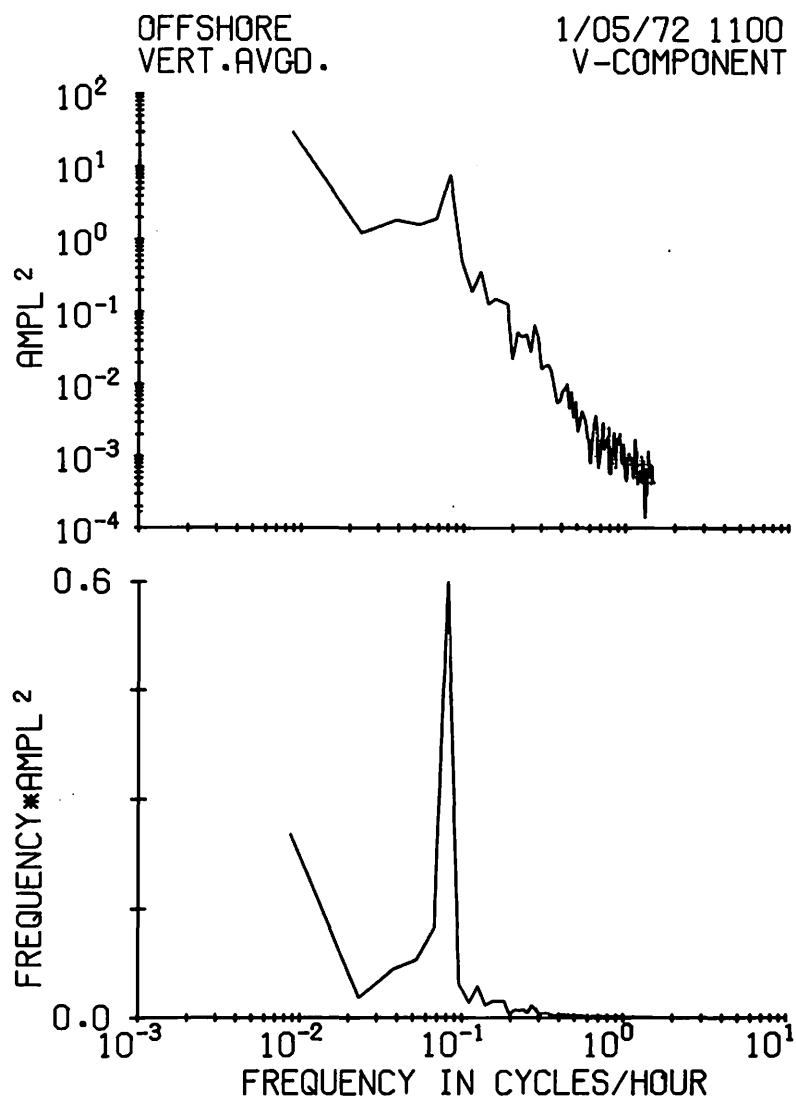
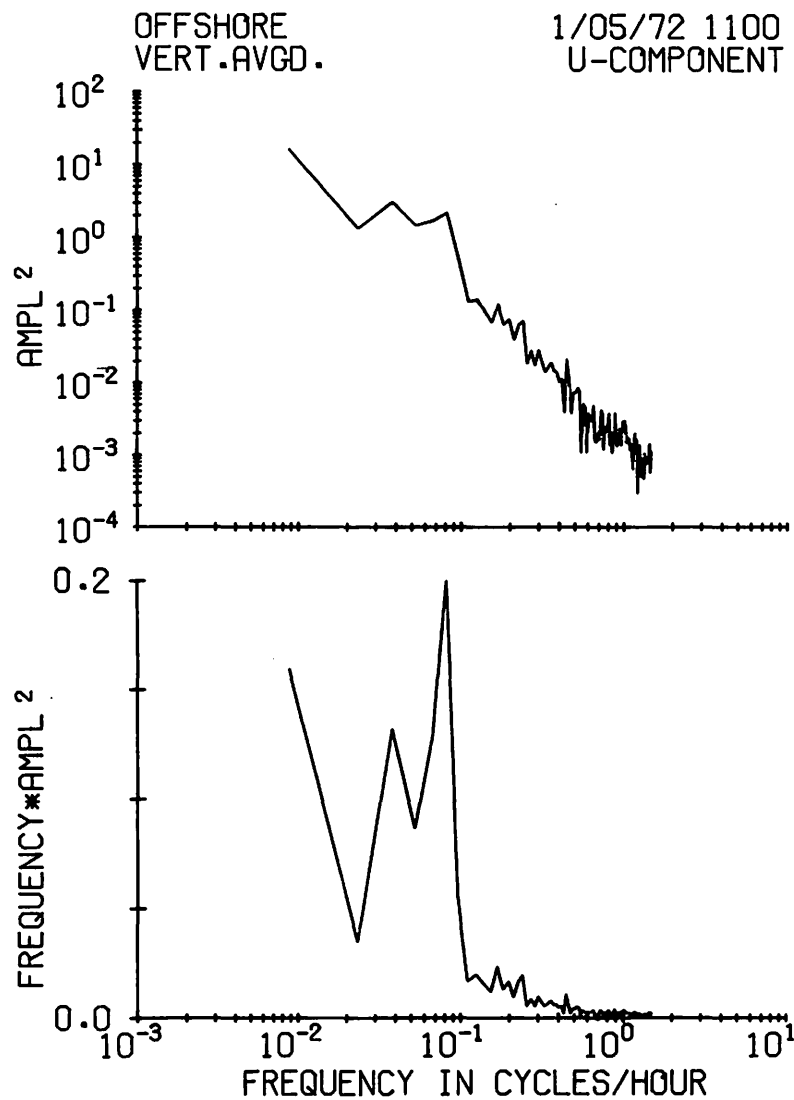
Plots of spectra for the vertically averaged velocity components are shown on pages A-299 through A-314. The date and time on each plot refer to the initial data point used in the calculation. Plots of the coherence and phase relationships between the vertically averaged velocity components at the inshore and offshore array sites are shown on pages A-315 through A-319.



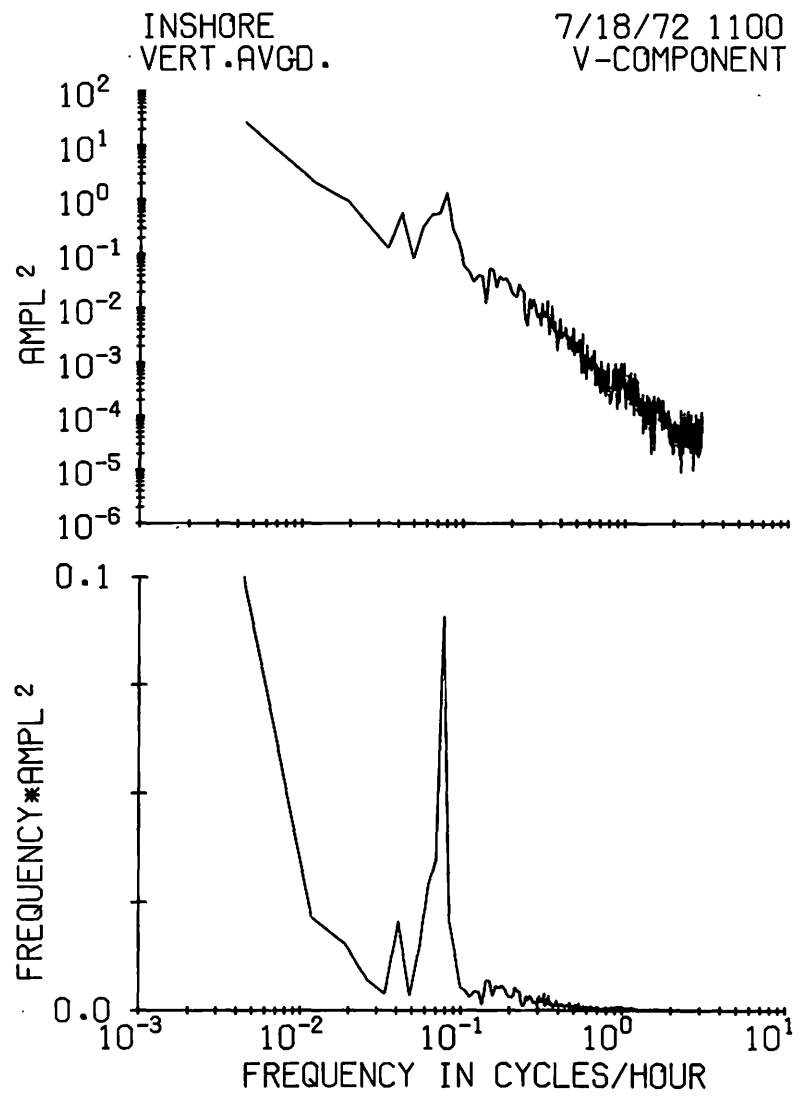
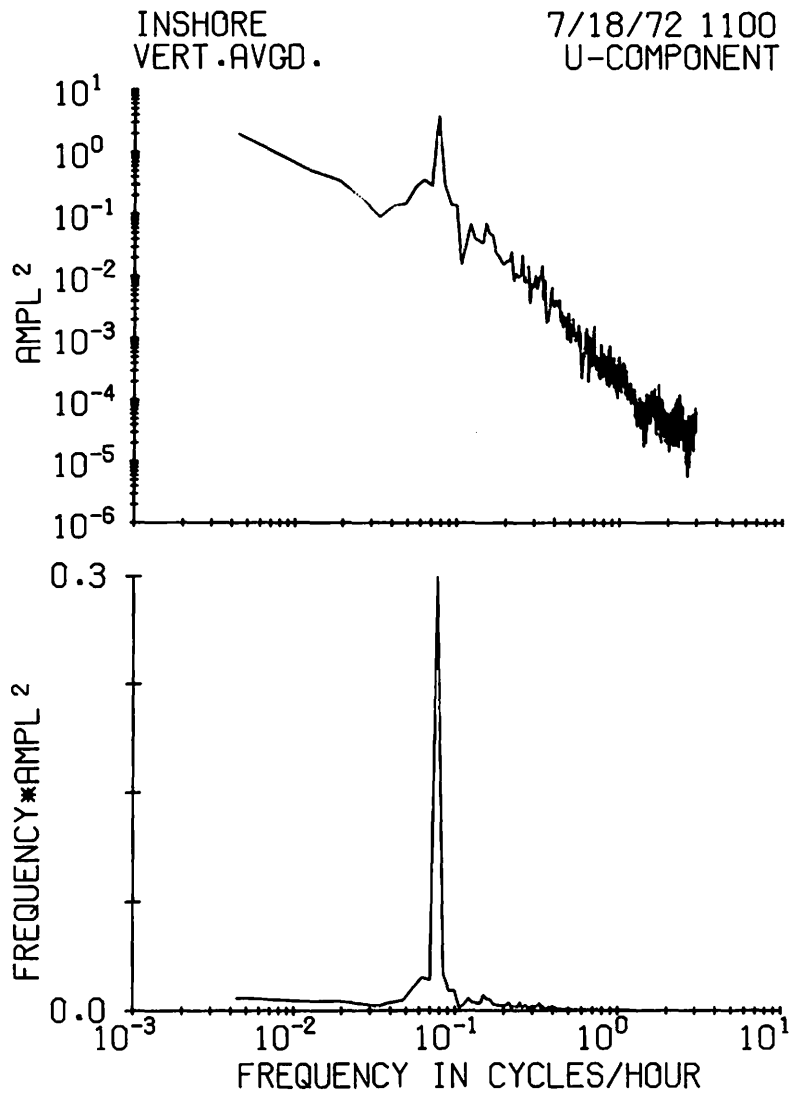
A-300



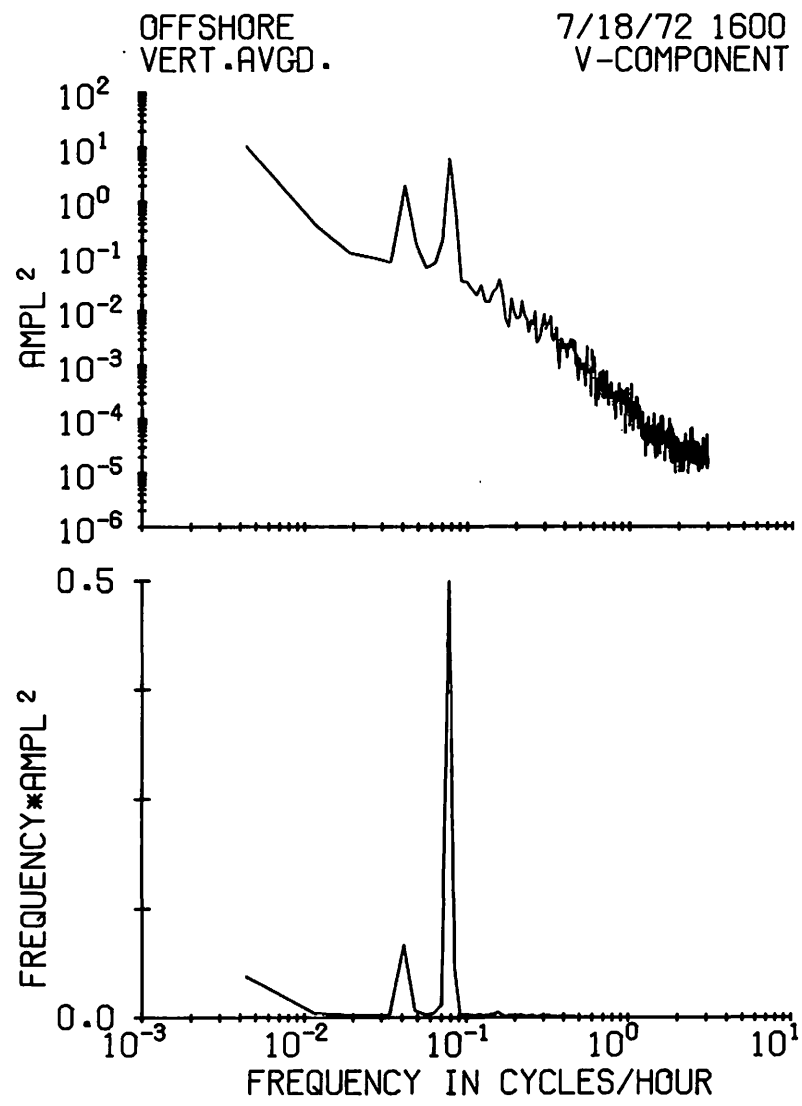
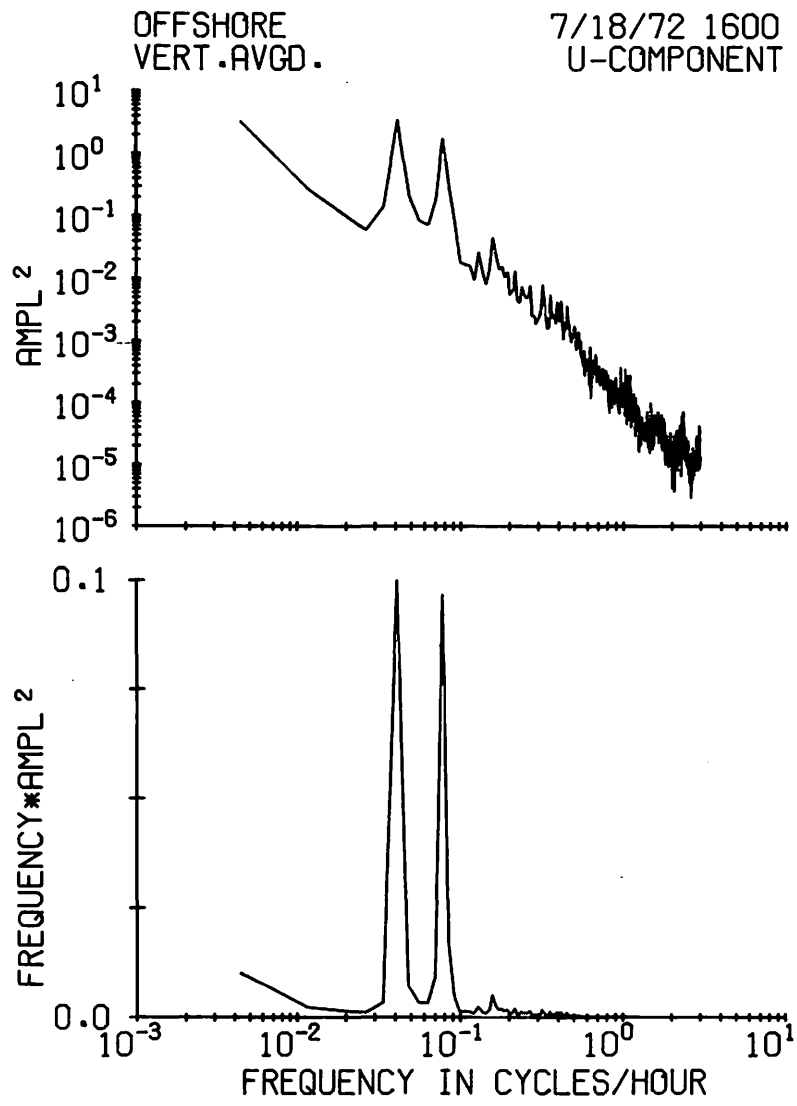




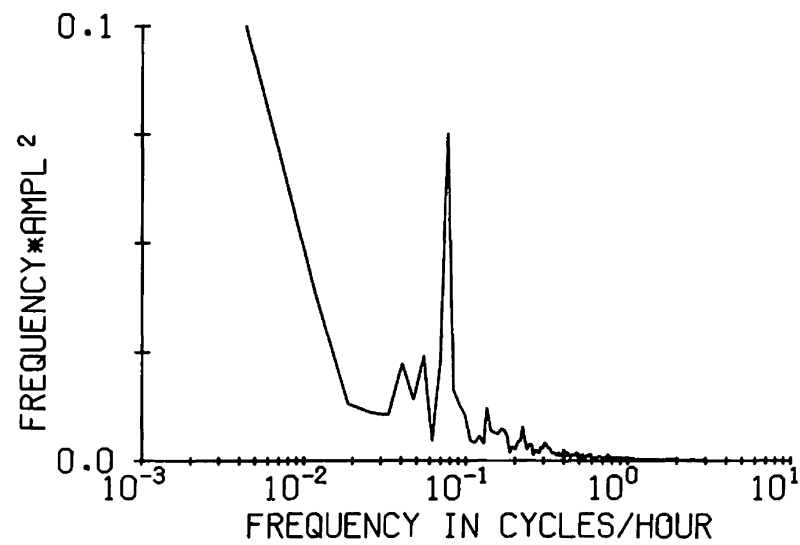
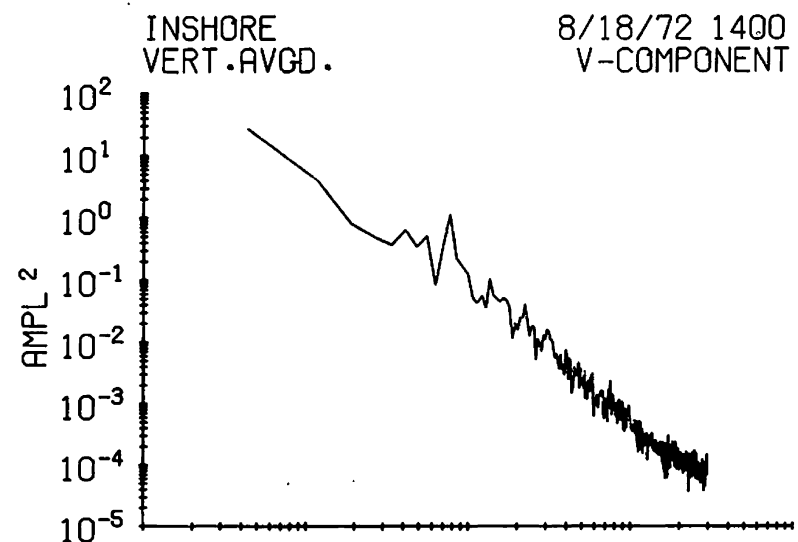
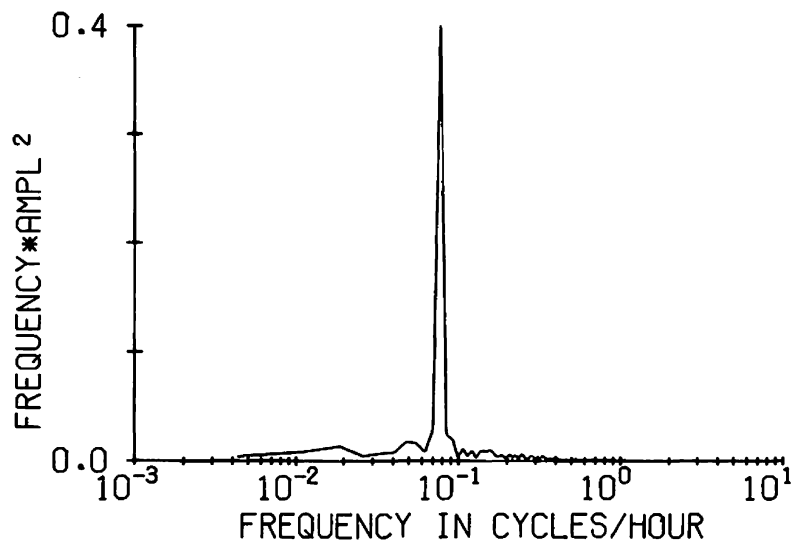
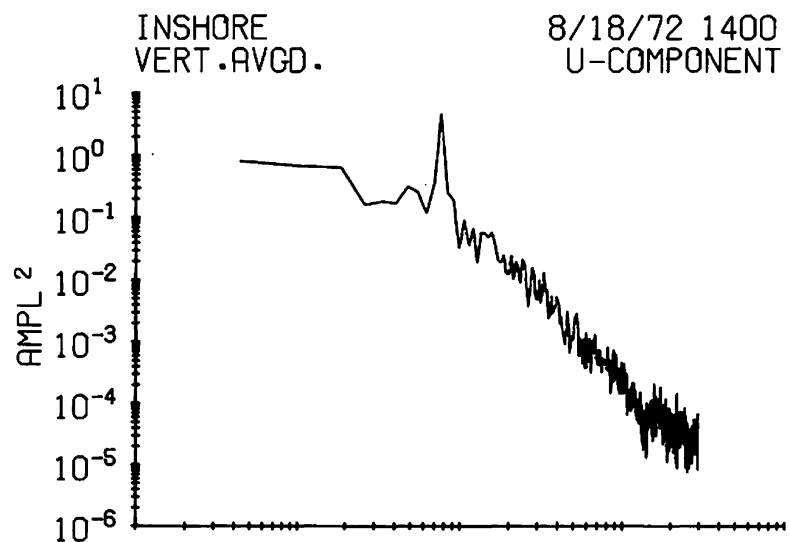
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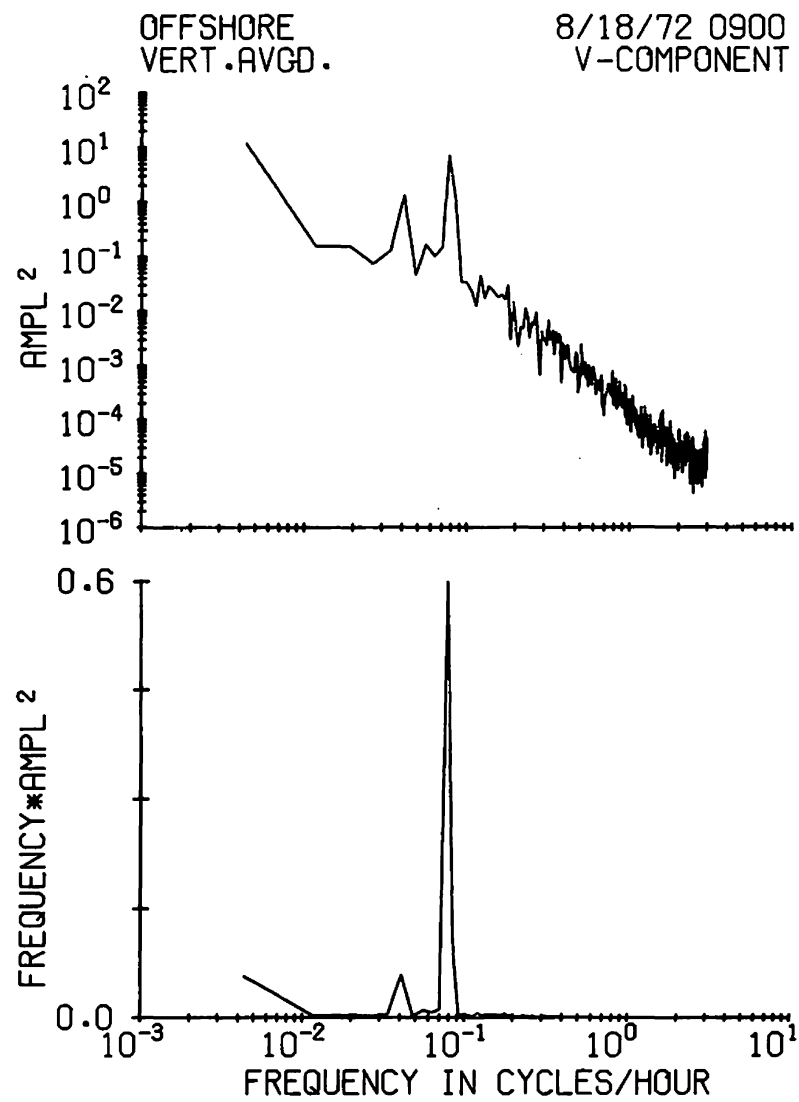
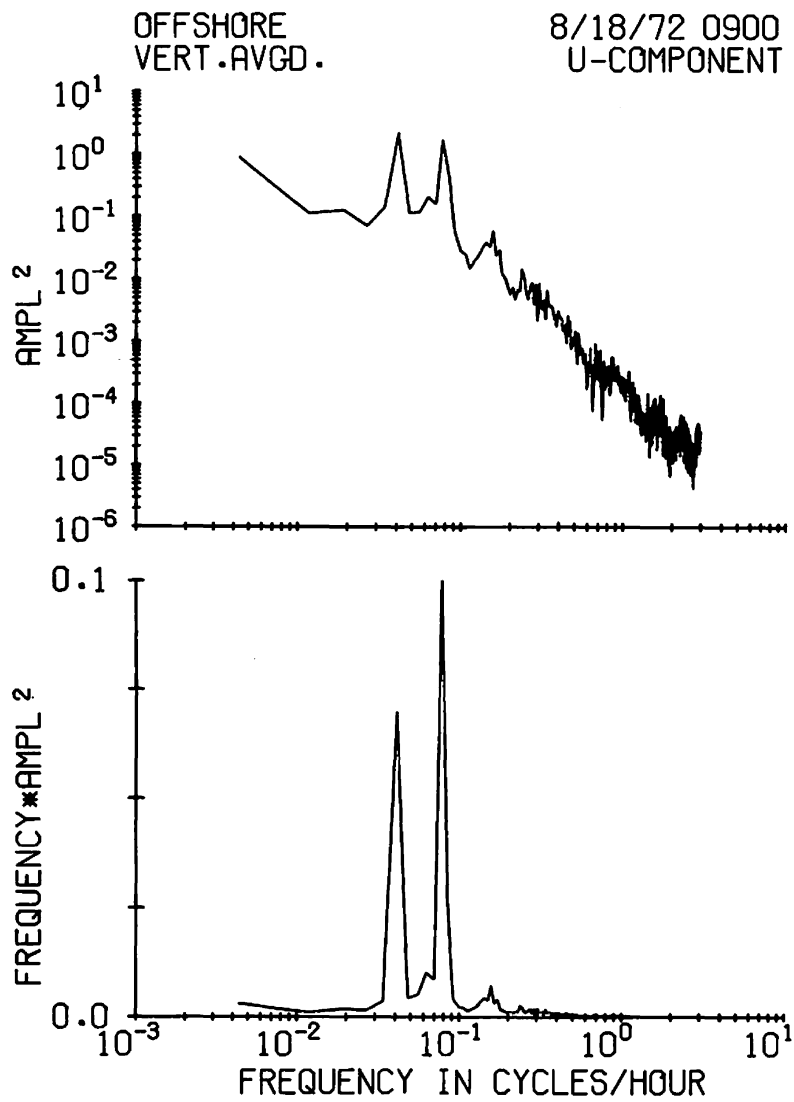


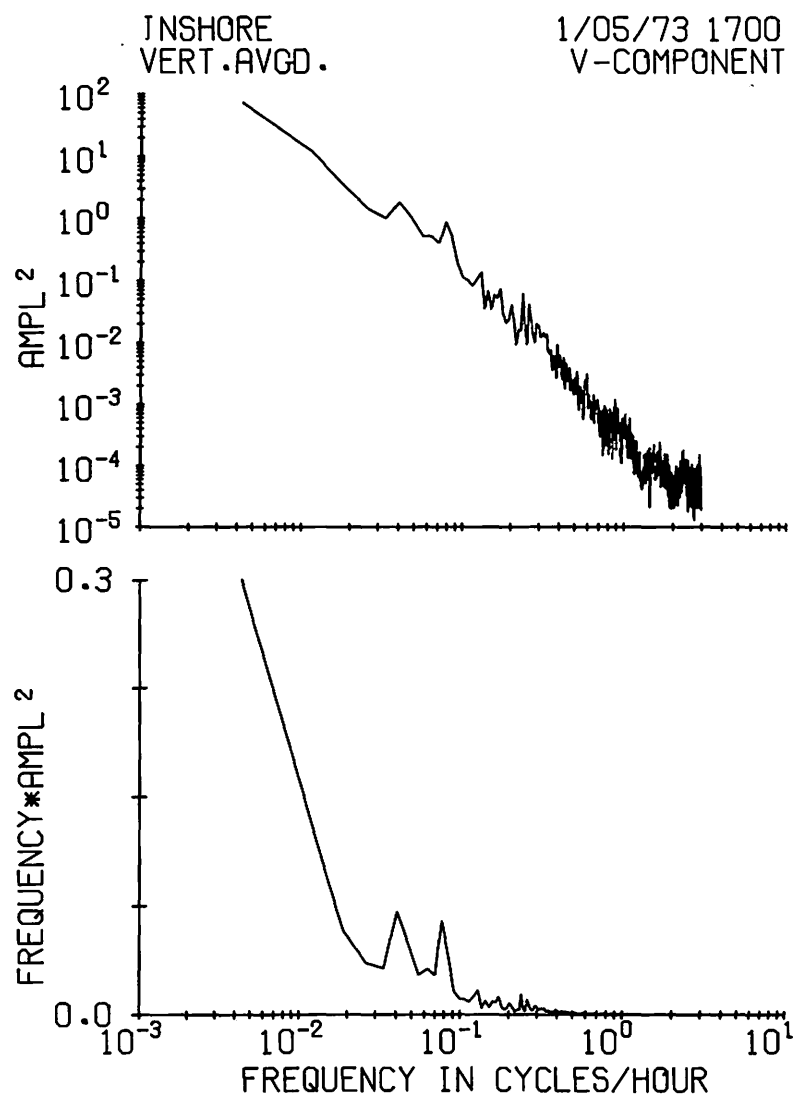
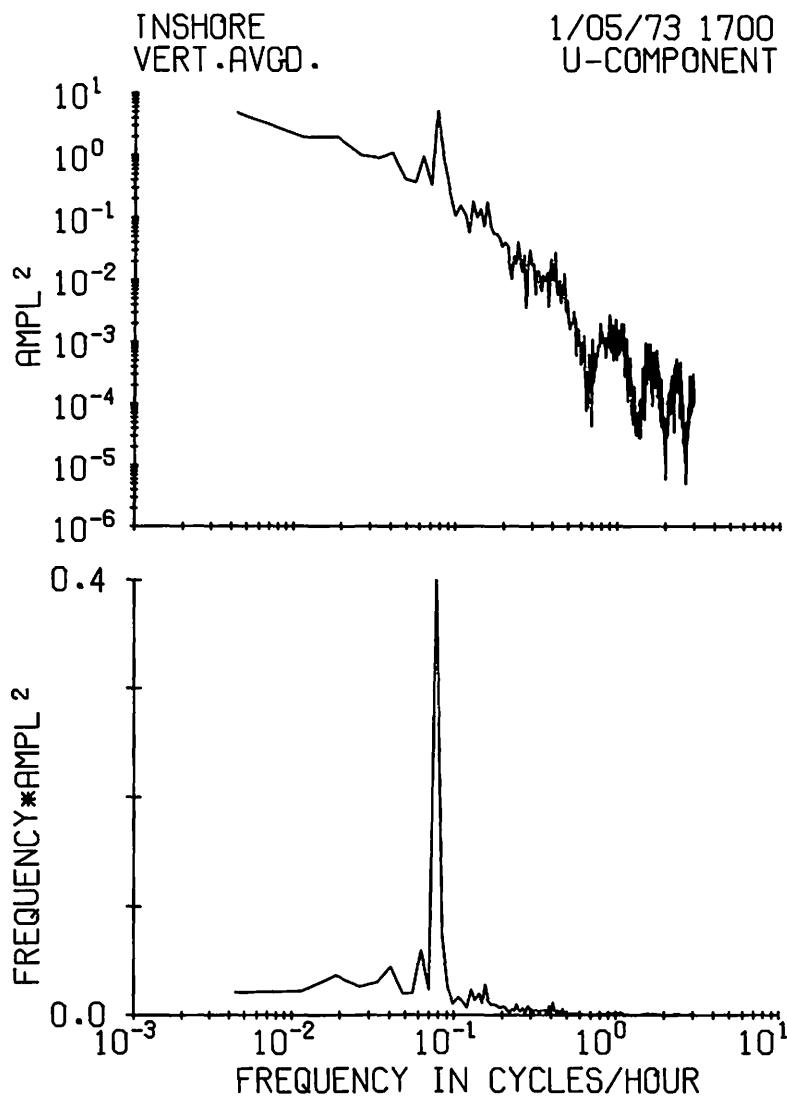
A-304

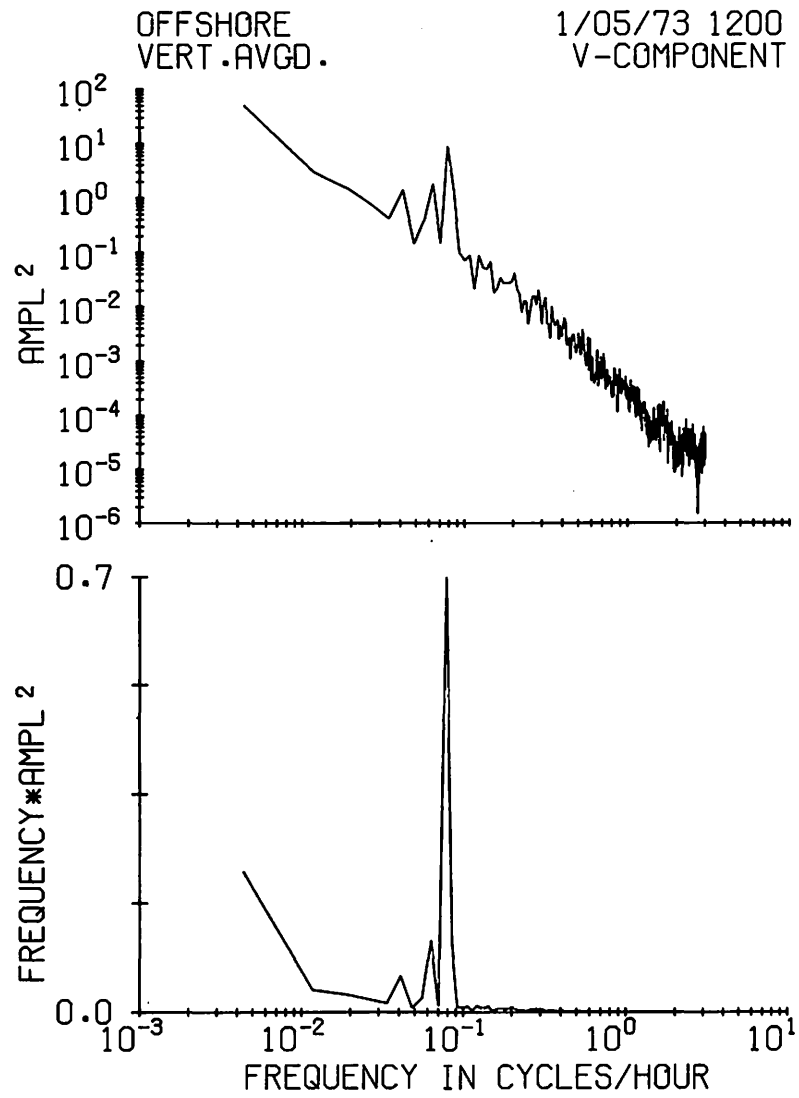
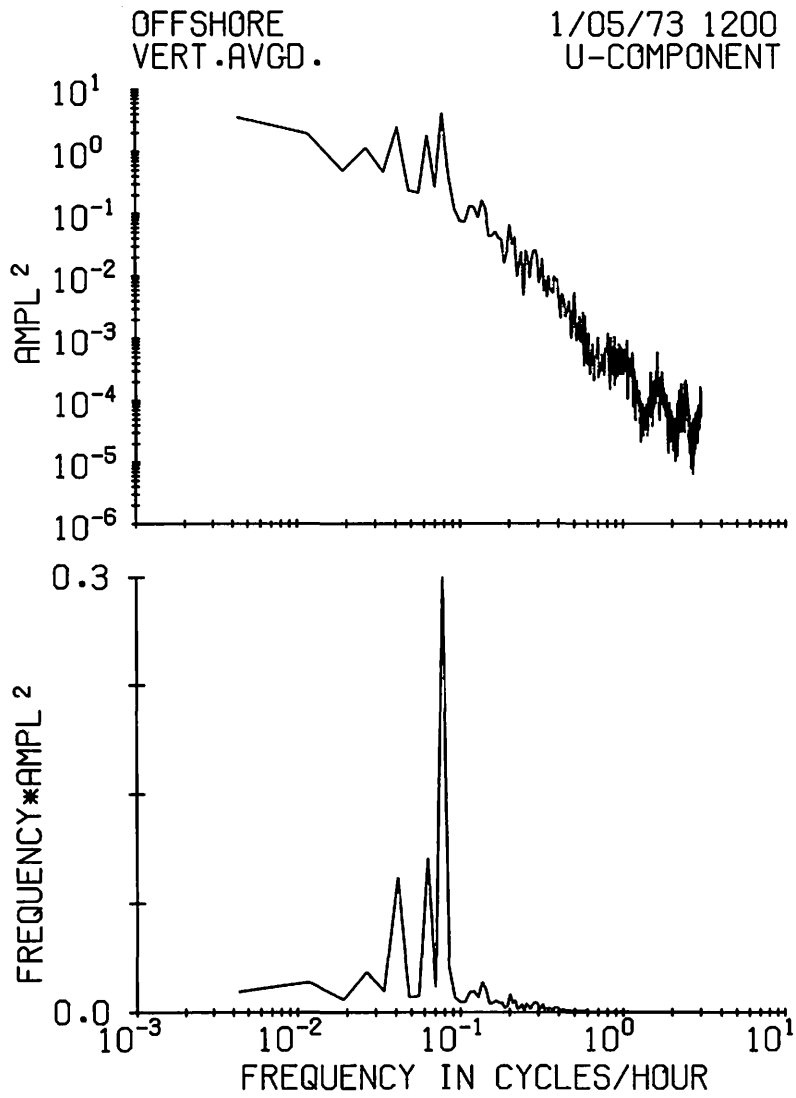


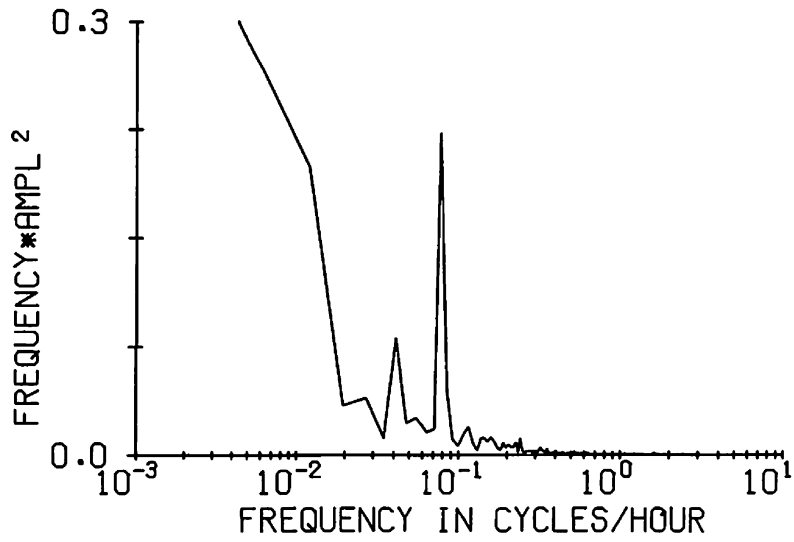
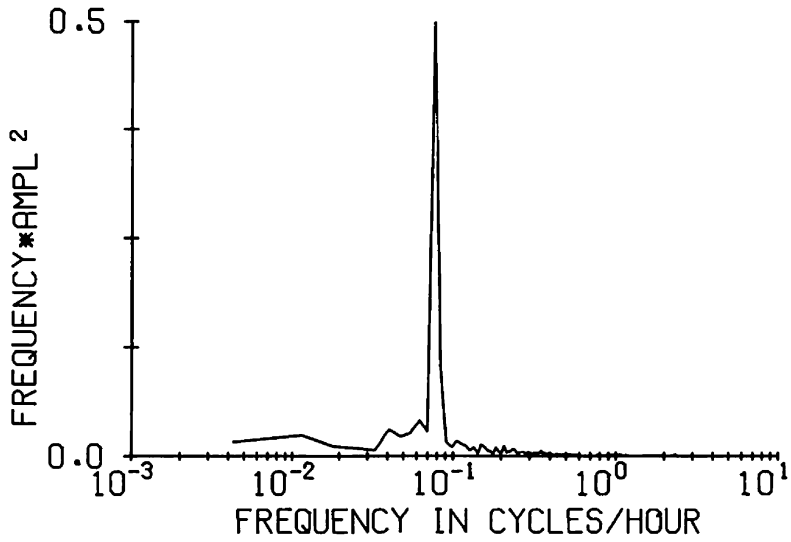
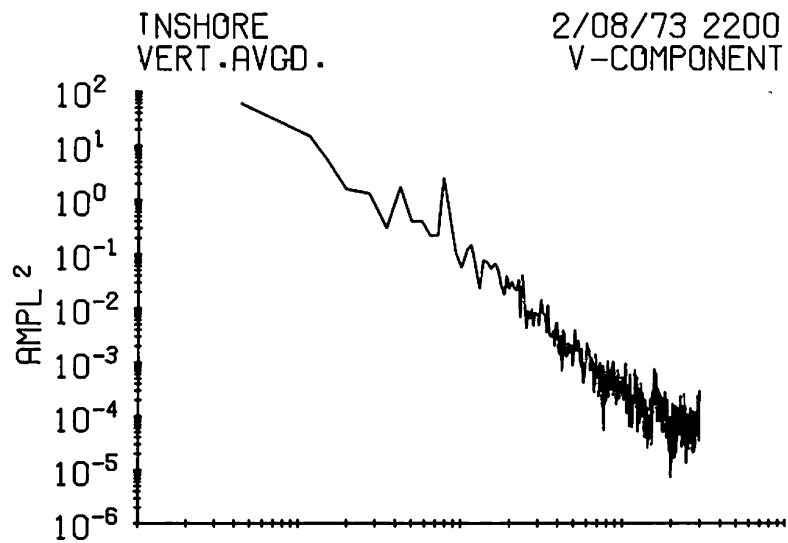
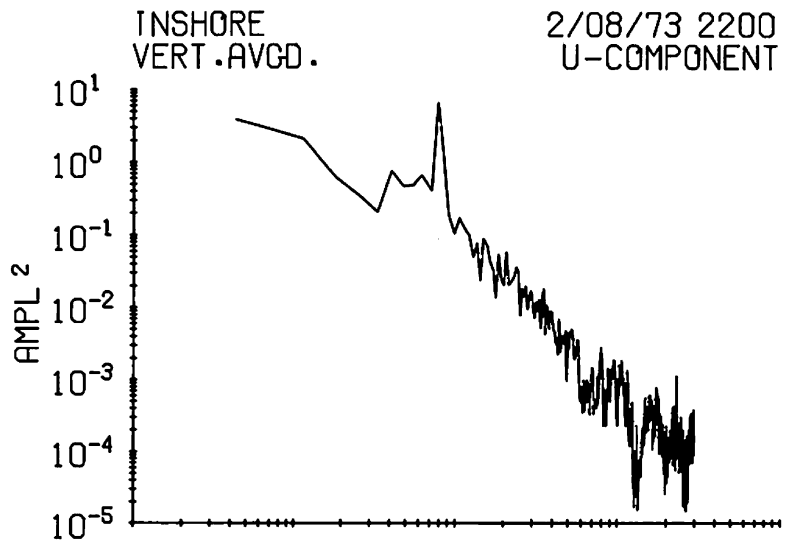
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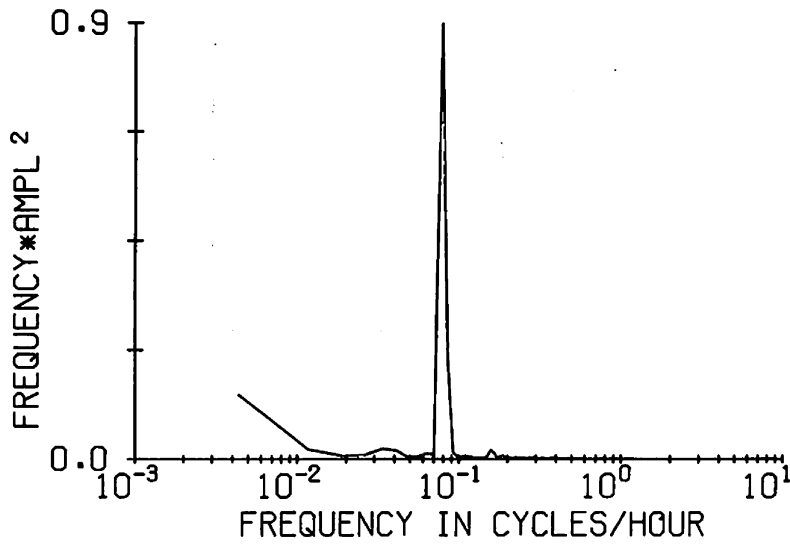
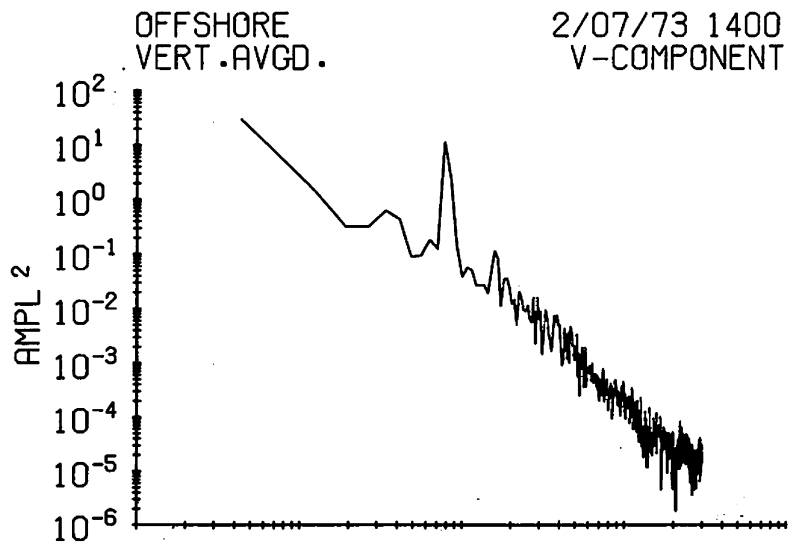
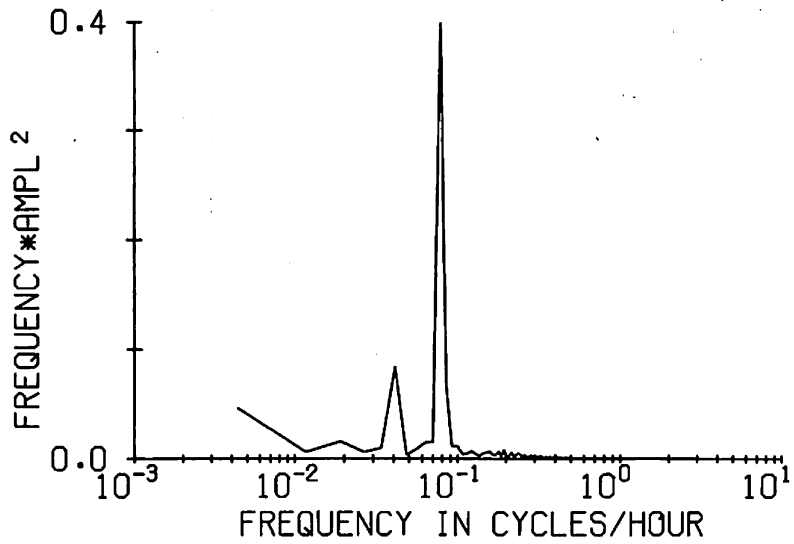
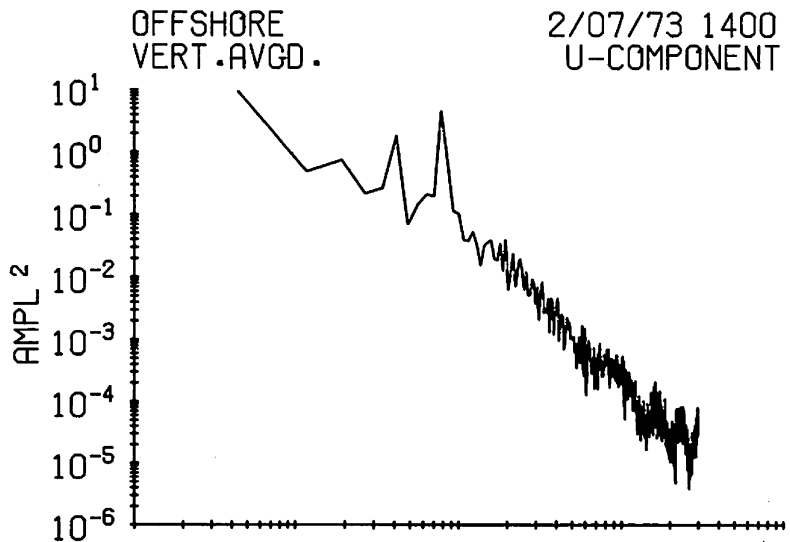


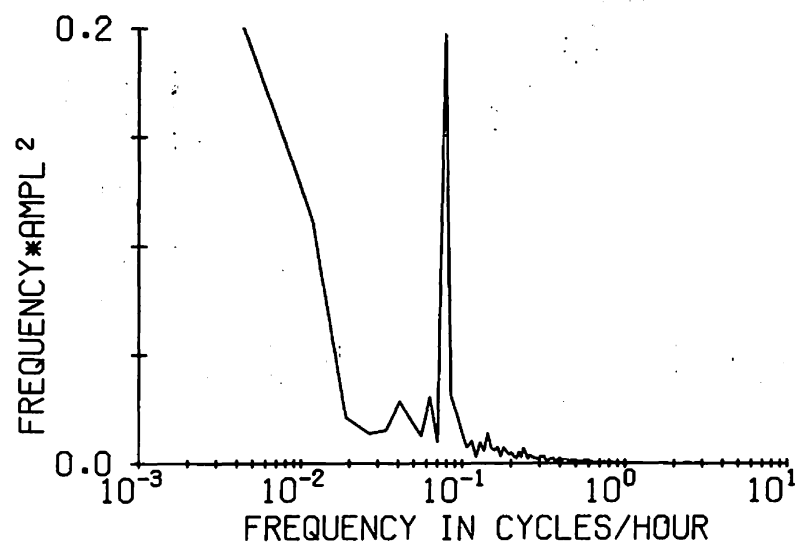
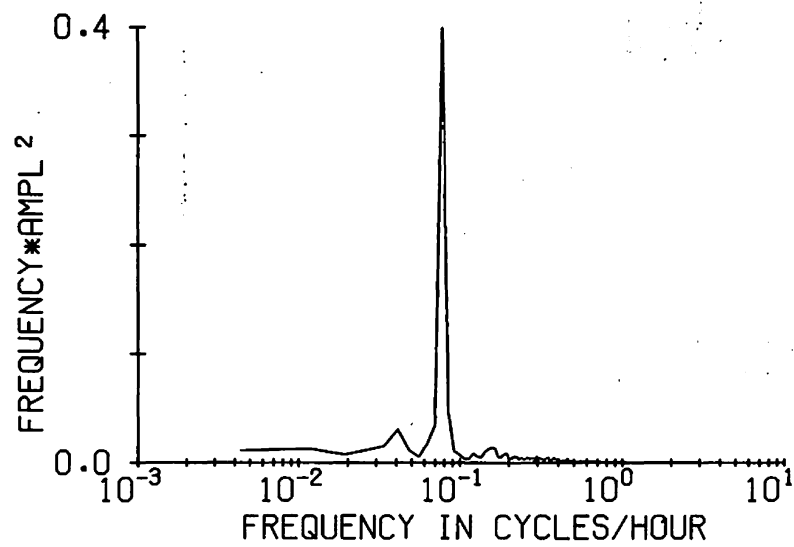
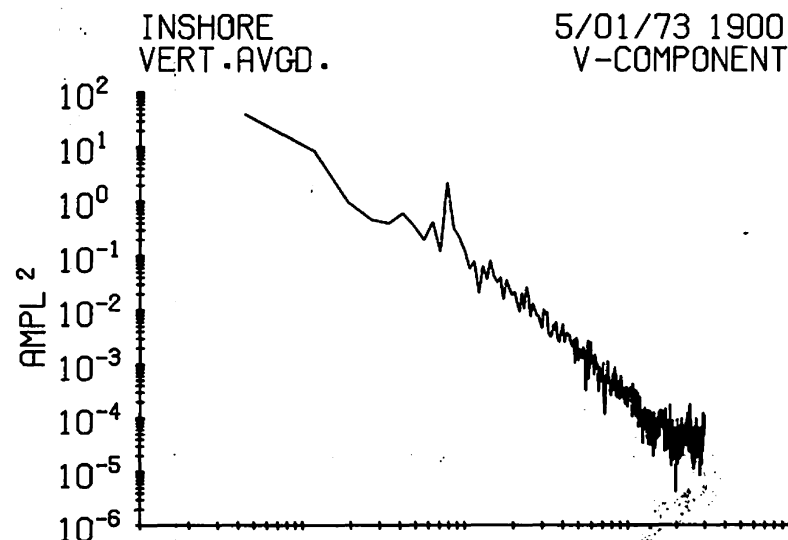
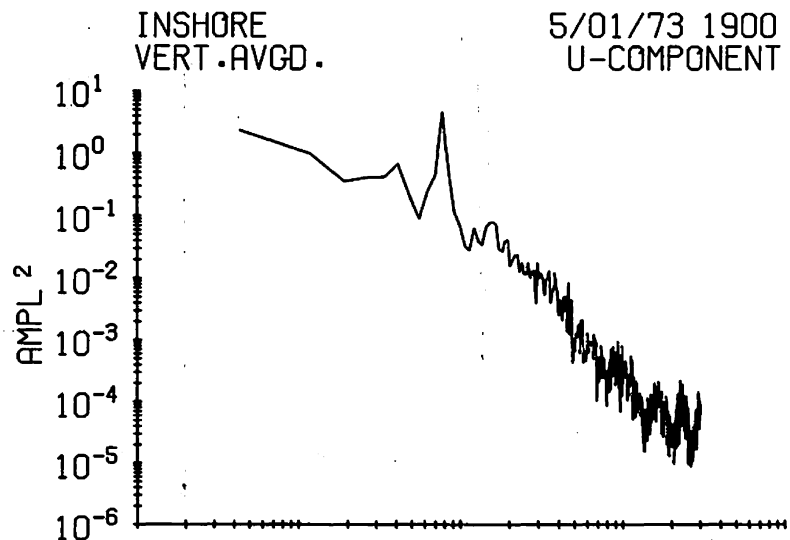






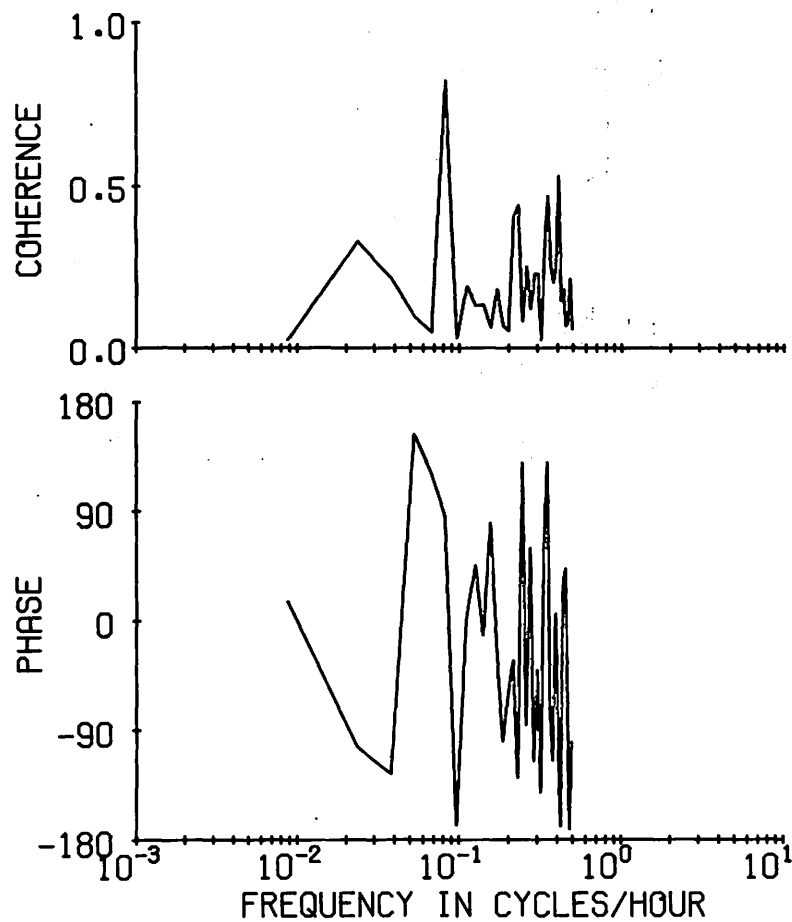




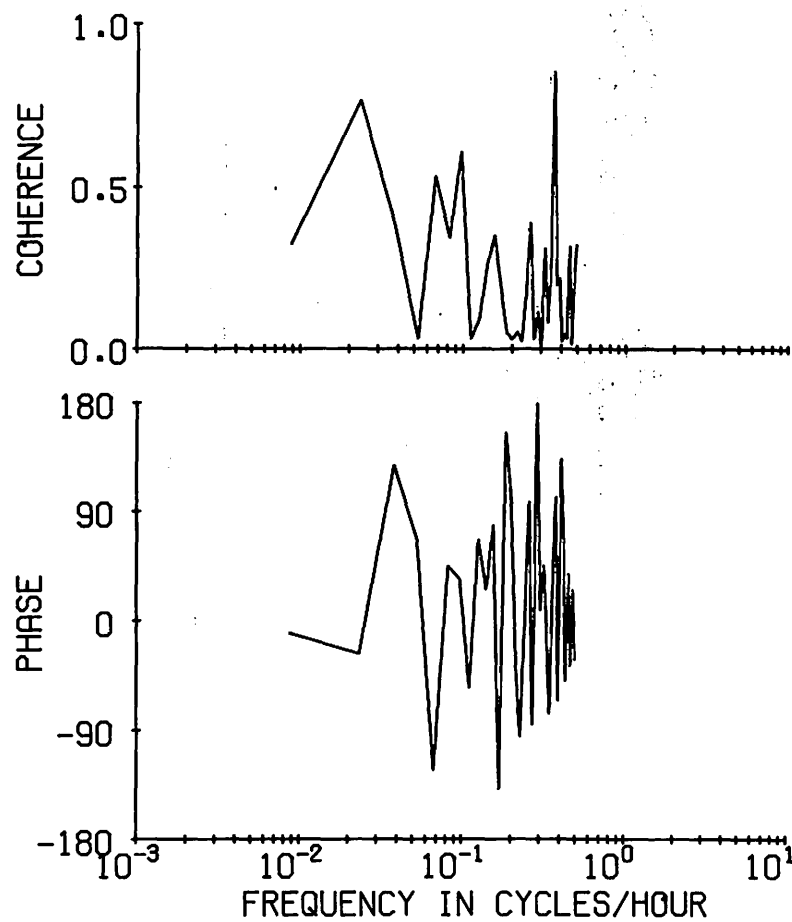


INSHORE - OFFSHORE
VERTICALLY AVE. VELOCITIES
START 1/05/72 1600

U-COMPONENT



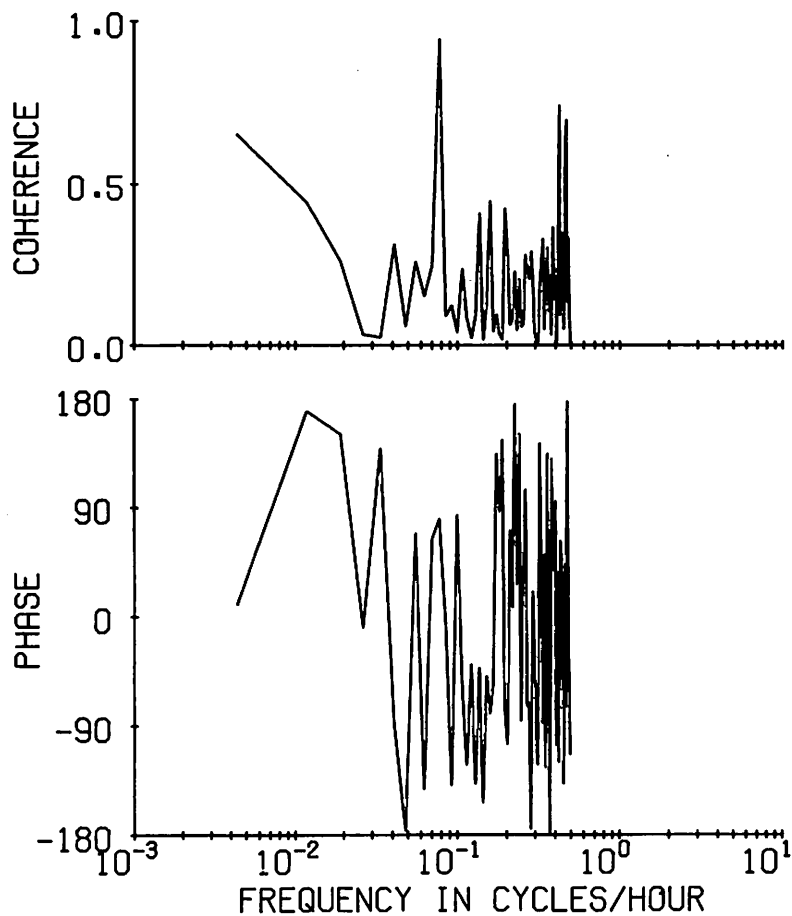
V-COMPONENT



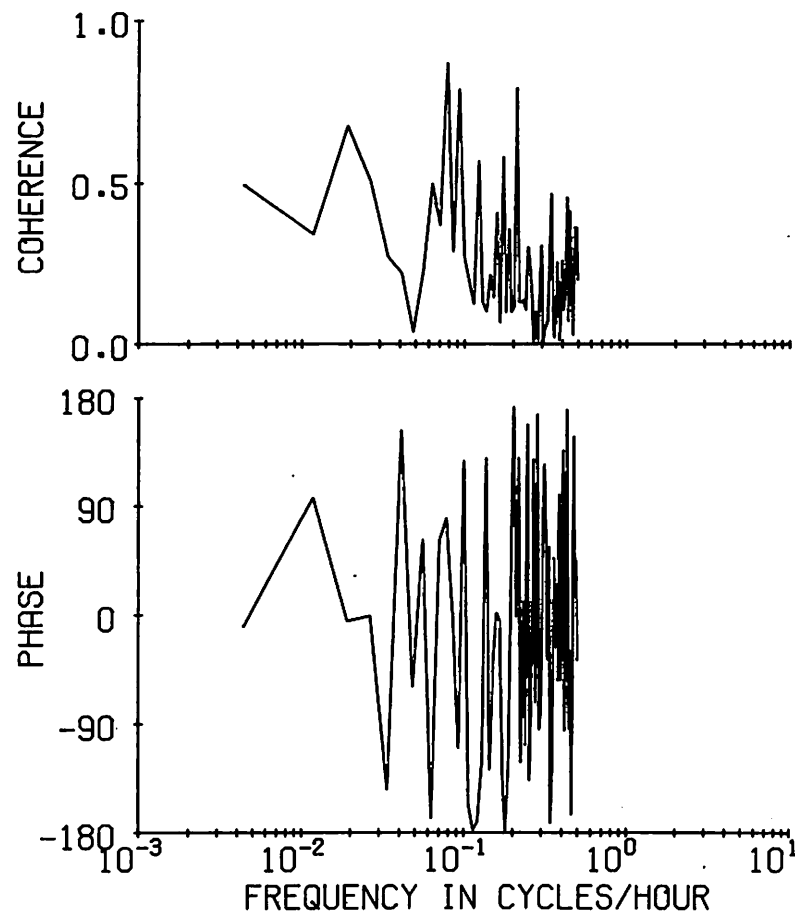
A-315

INSHORE - OFFSHORE
VERTICALLY AVE. VELOCITIES
START 7/18/72 1600

U-COMPONENT



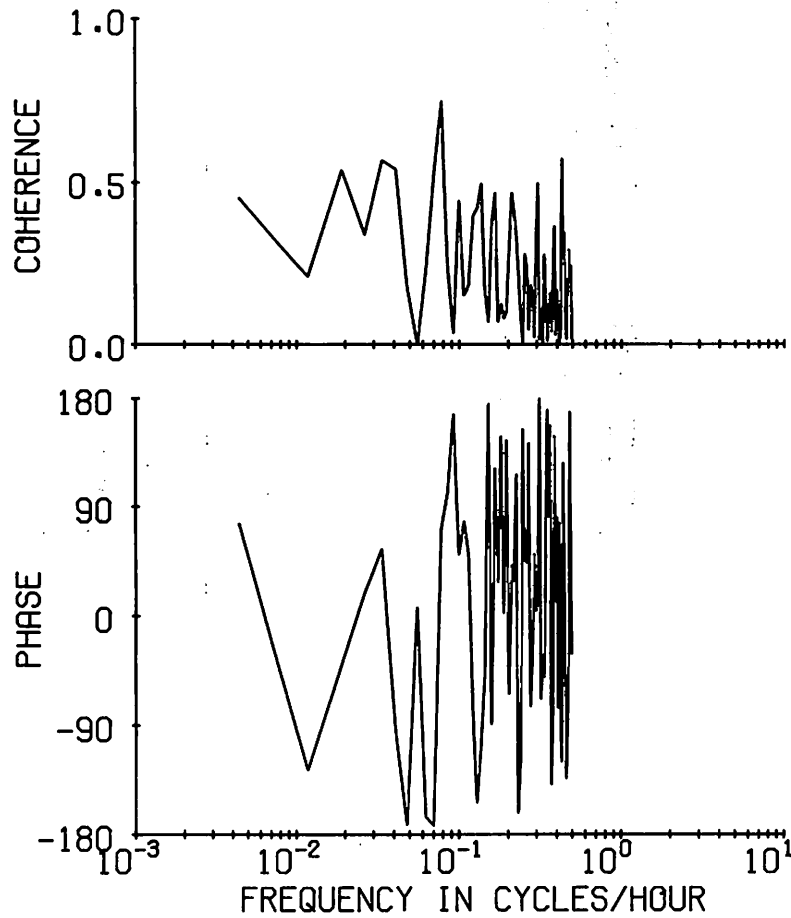
V-COMPONENT



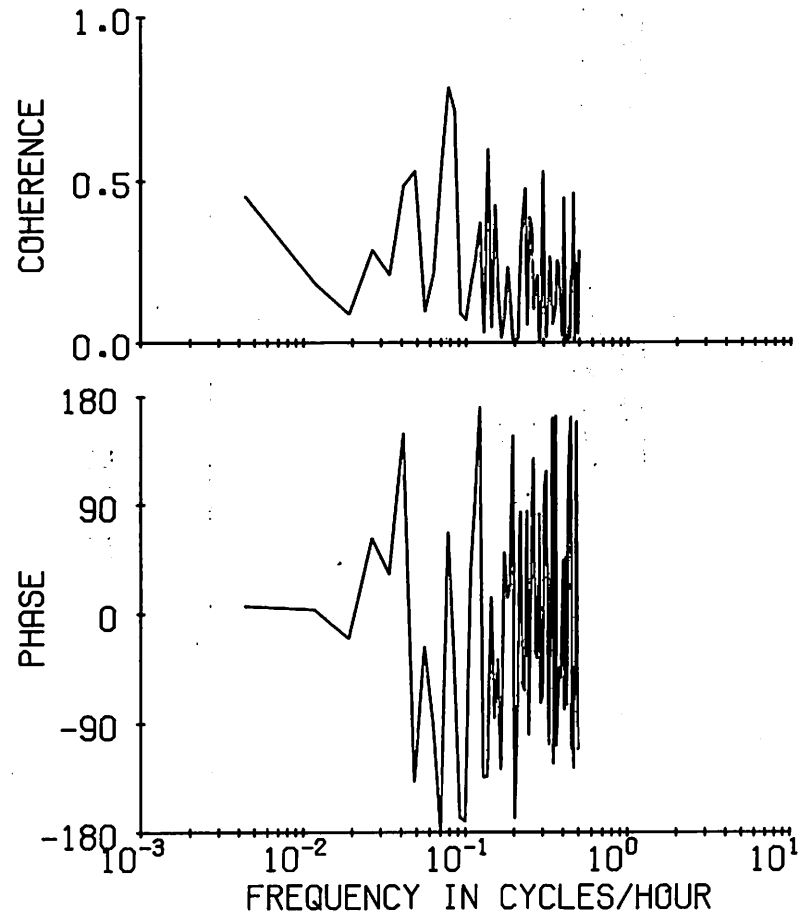
A-316

INSHORE - OFFSHORE
VERTICALLY AVE. VELOCITIES
START 8/18/72 1400

U-COMPONENT

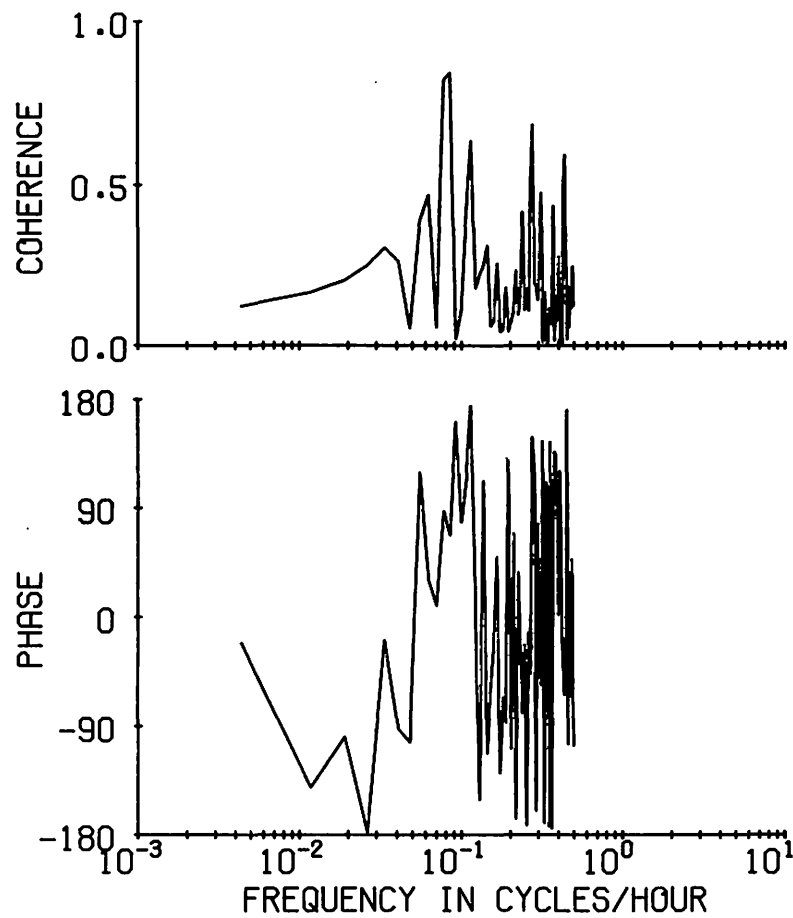


V-COMPONENT

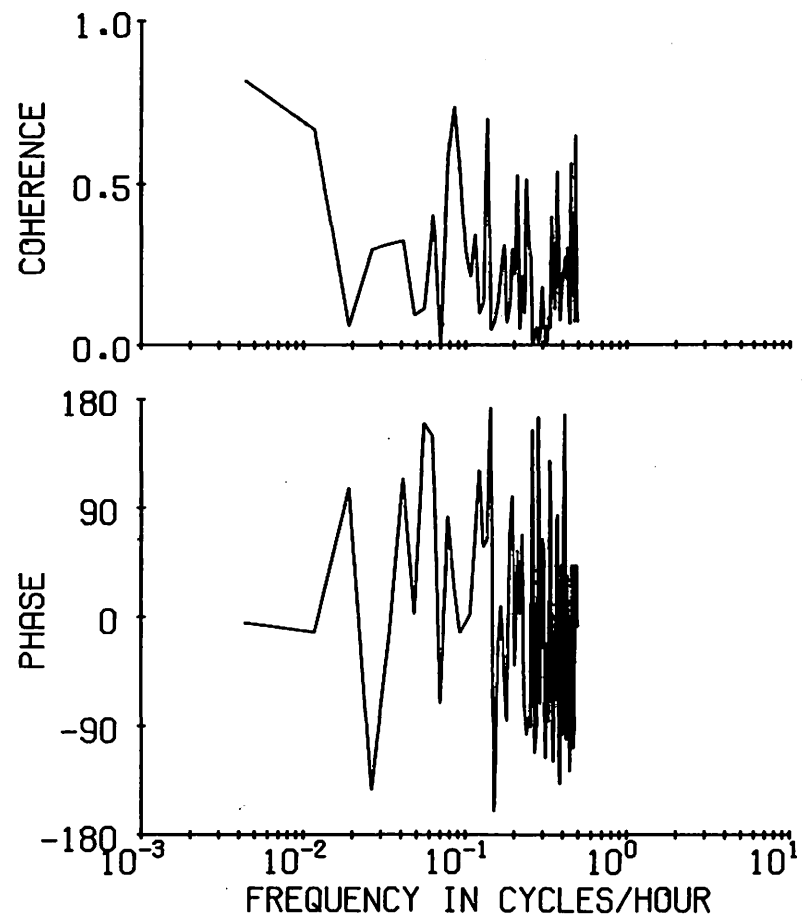


INSHORE - OFFSHORE
VERTICALLY AVE. VELOCITIES
START 1/05/73 1700

U-COMPONENT

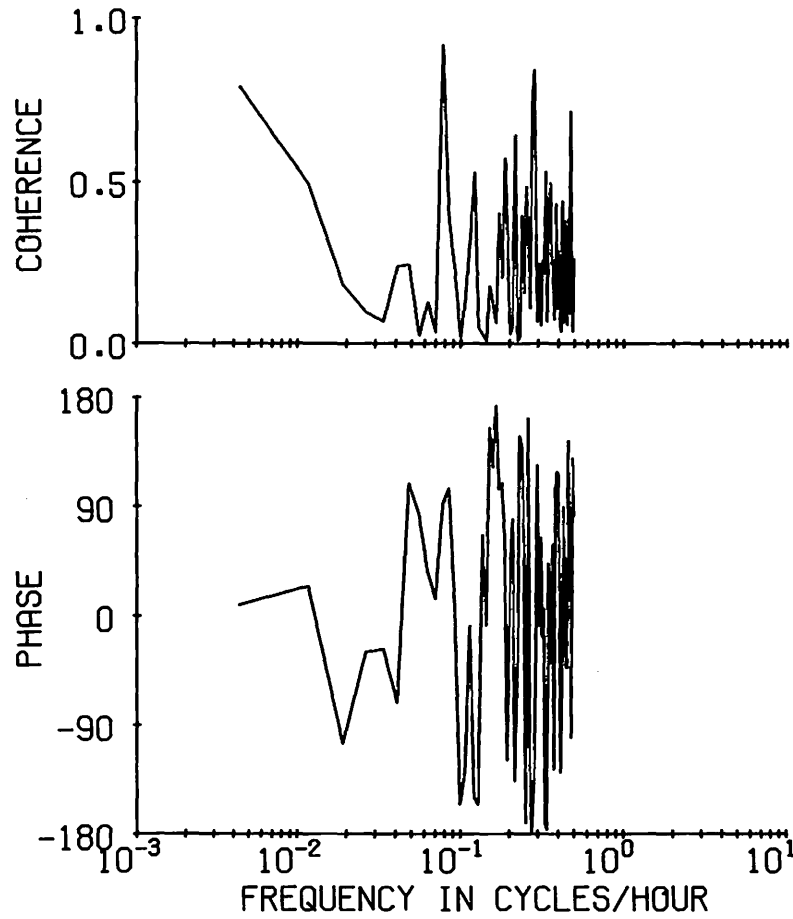


V-COMPONENT

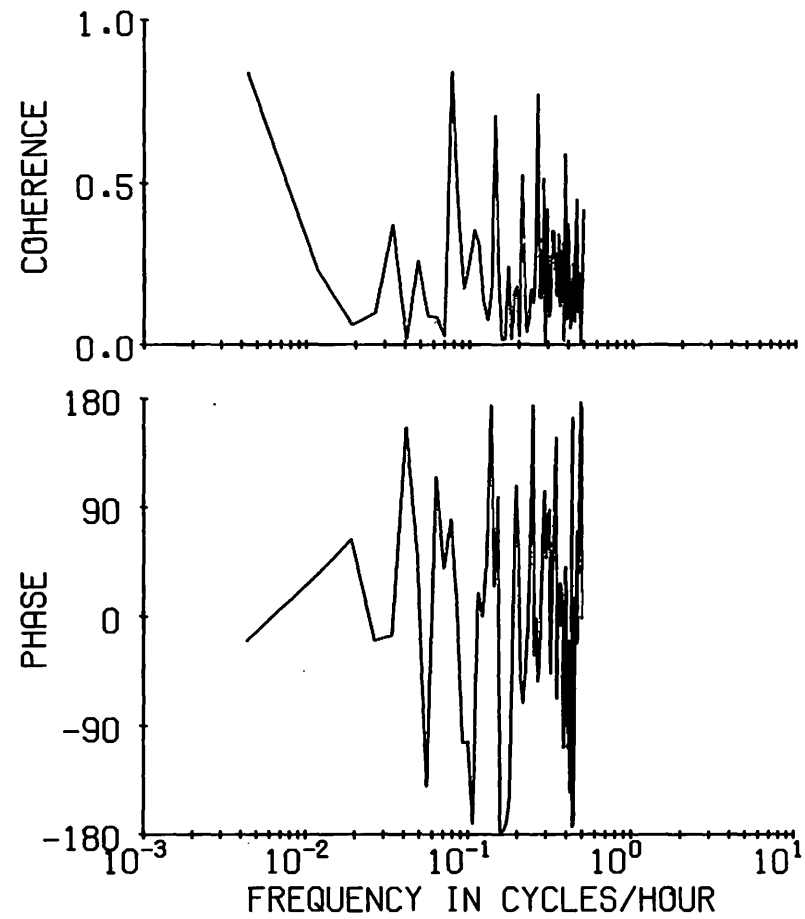


INSHORE - OFFSHORE
VERTICALLY AVE. VELOCITIES
START 2/08/73. 2200

U-COMPONENT

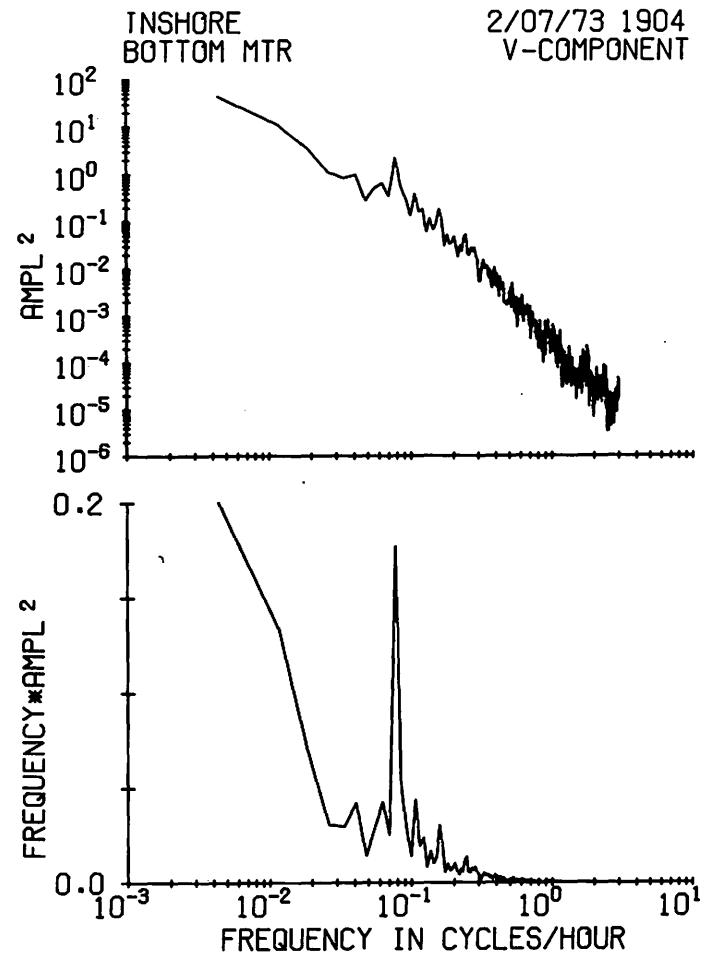
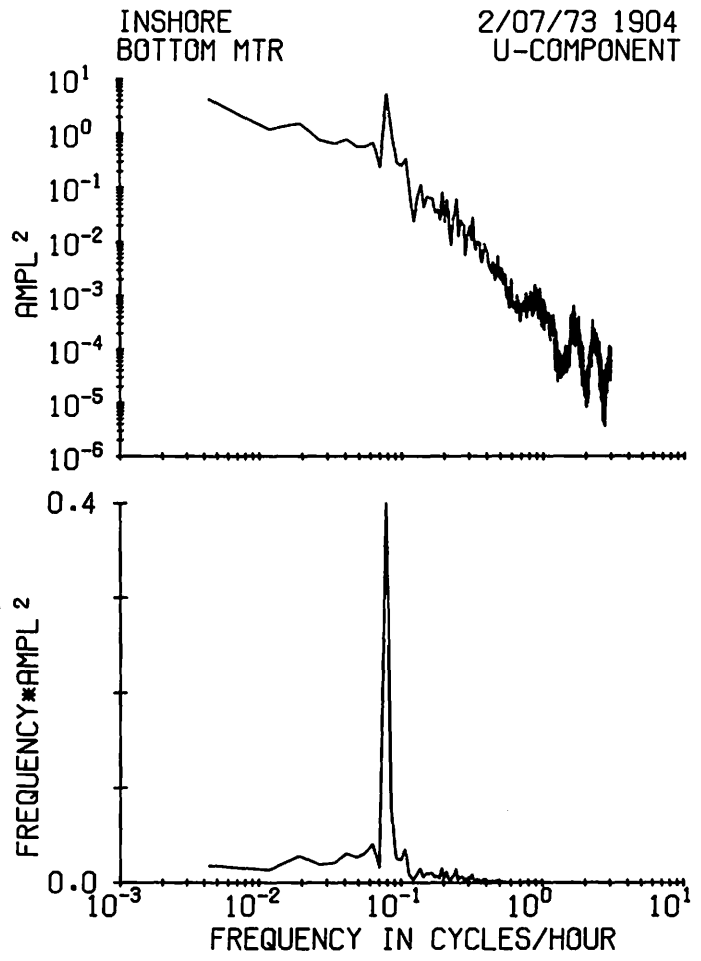


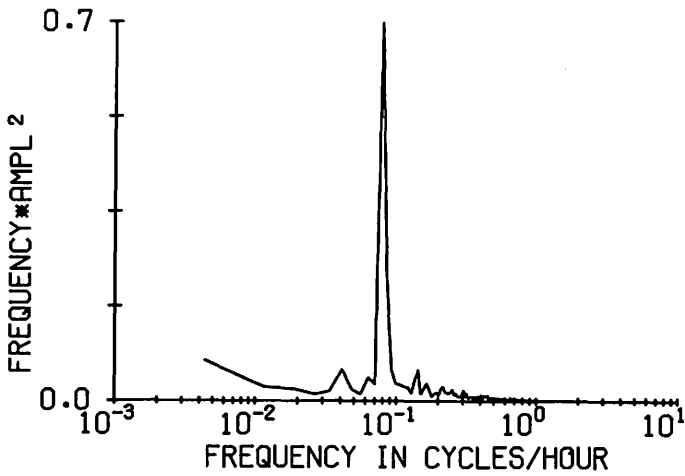
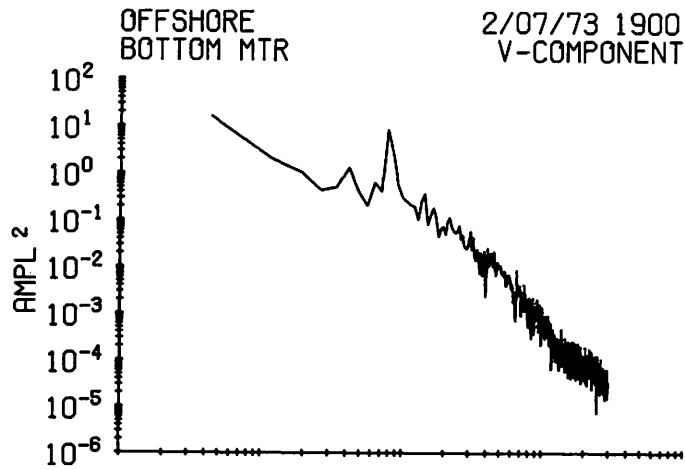
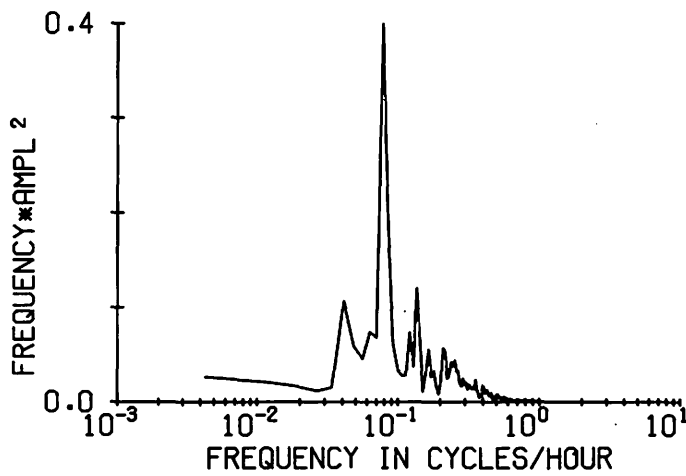
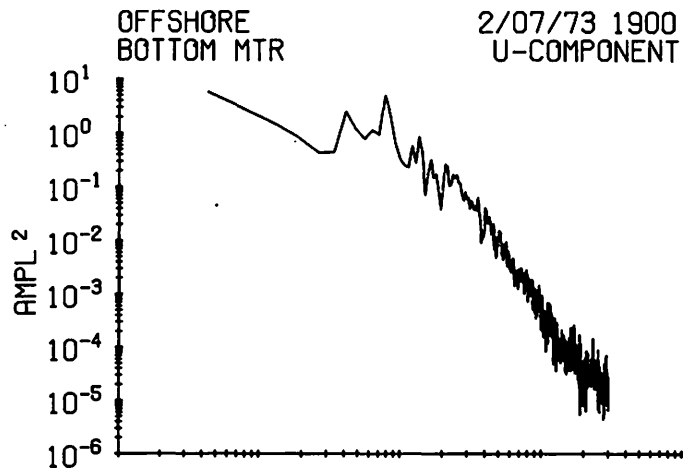
V-COMPONENT

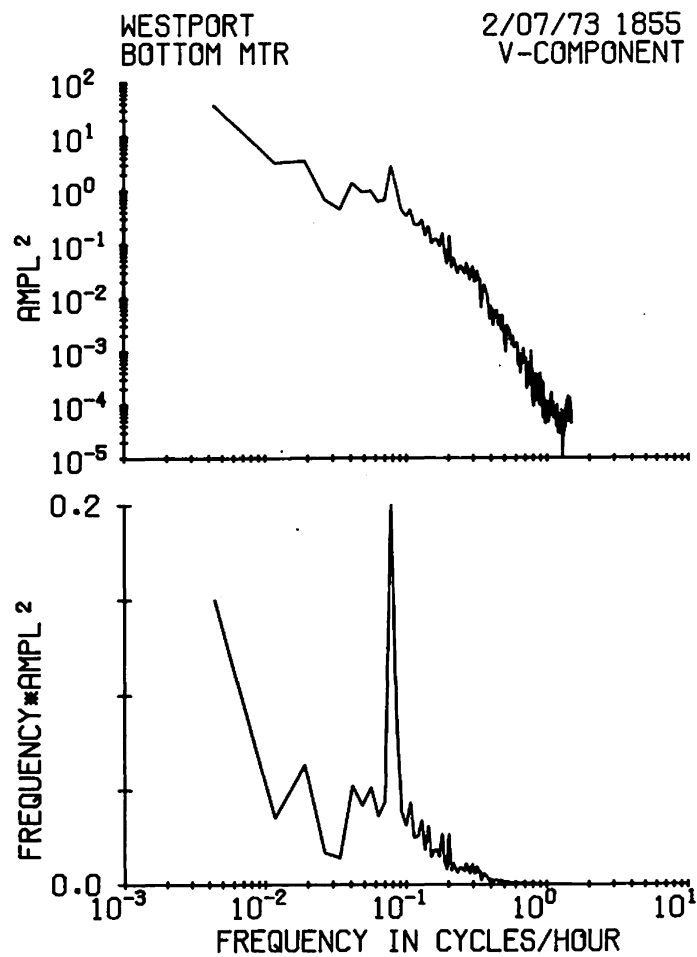
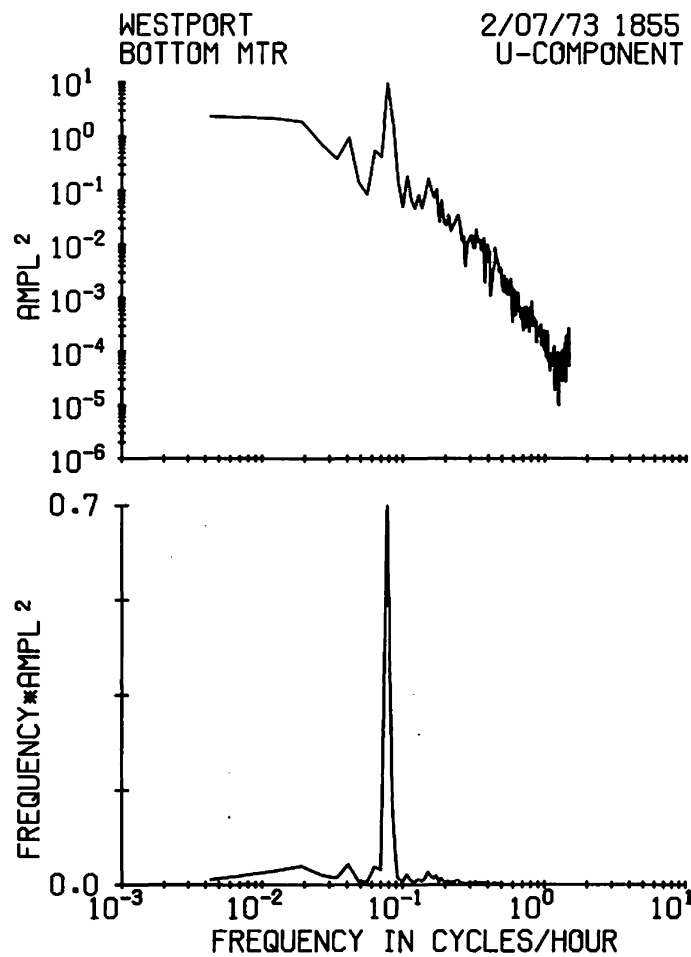


A-319

The spectra and the coherence relationships among the velocities measured at 6 meters off the bottom simultaneously at three array sites during February 1973 are shown on pages A-321 through A-326.





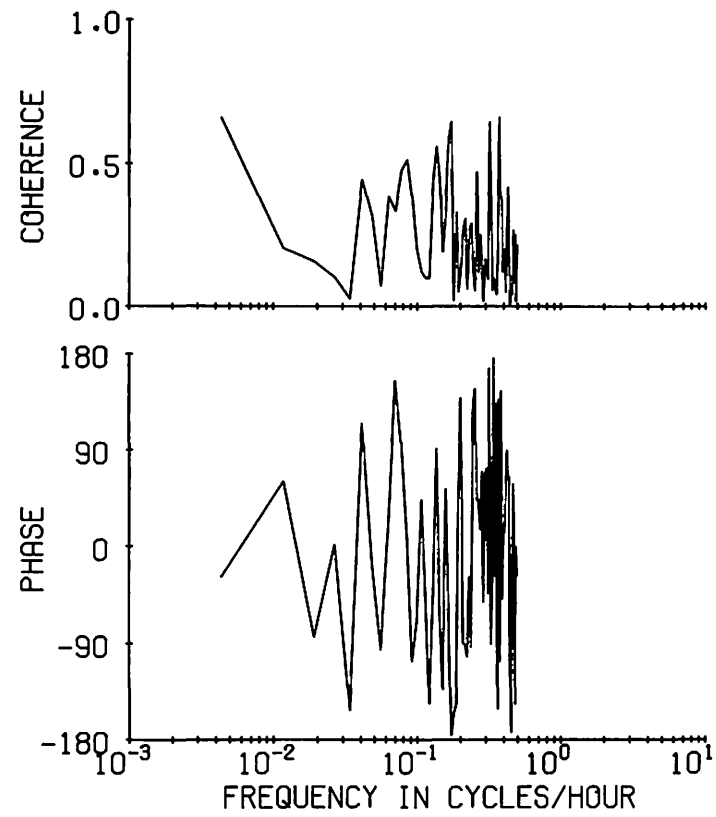
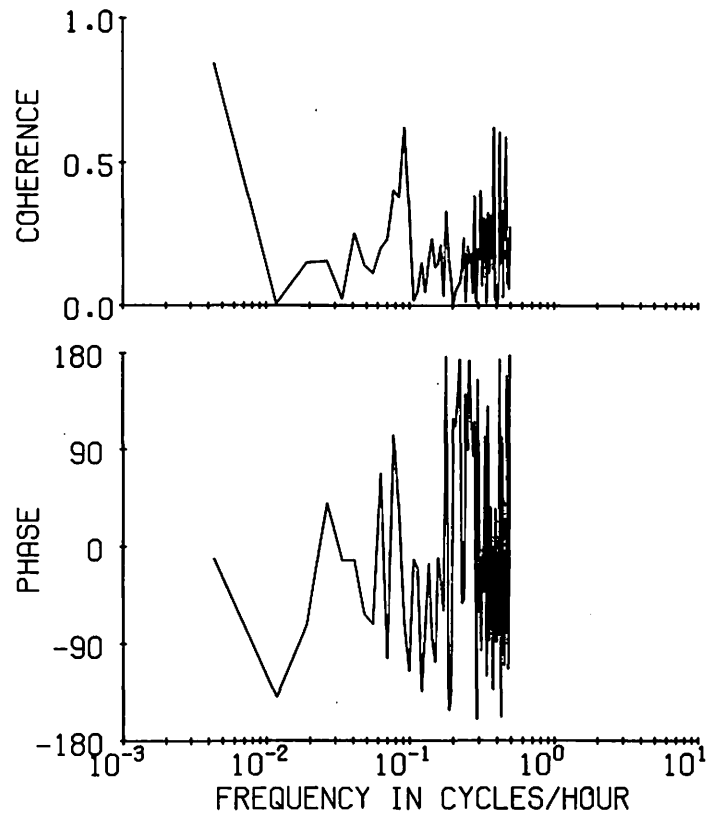


A - 323

INSHORE - OFFSHORE
BOTTOM METERS
START: 2/07/73 1900

U-COMPONENT

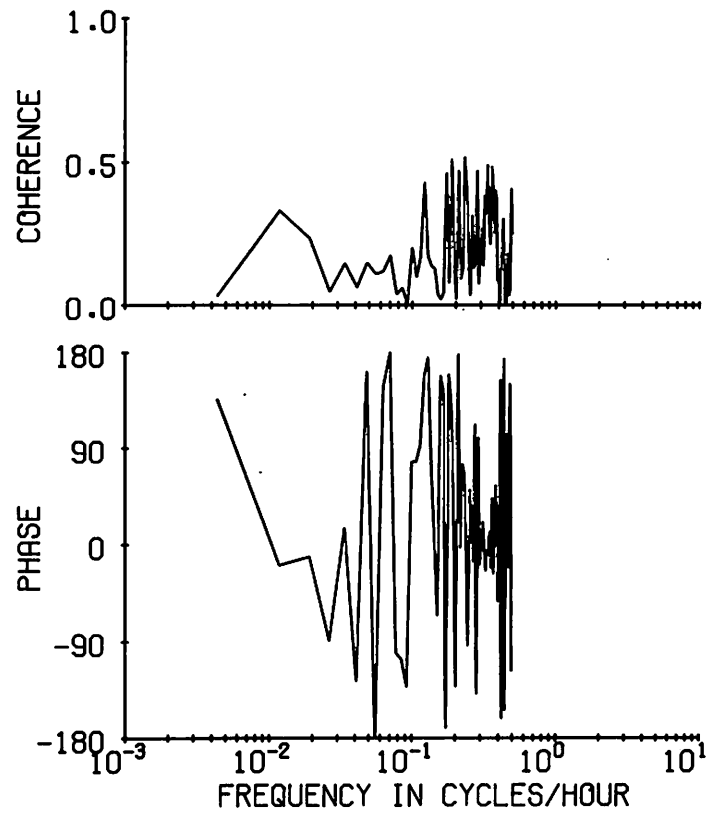
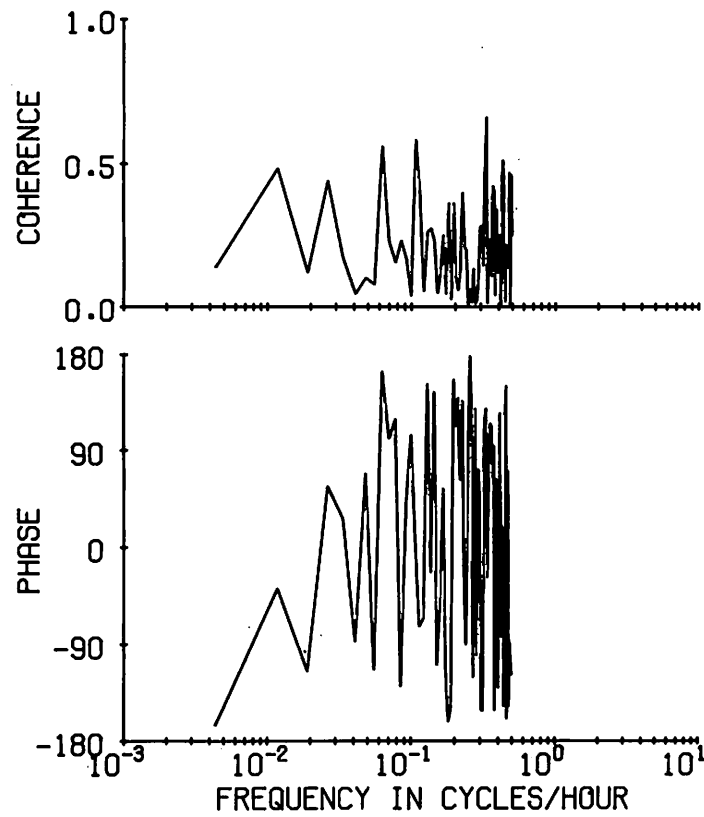
V-COMPONENT



INSHORE - WESTPORT
BOTTOM METERS
START: 2/07/73 1900

U-COMPONENT

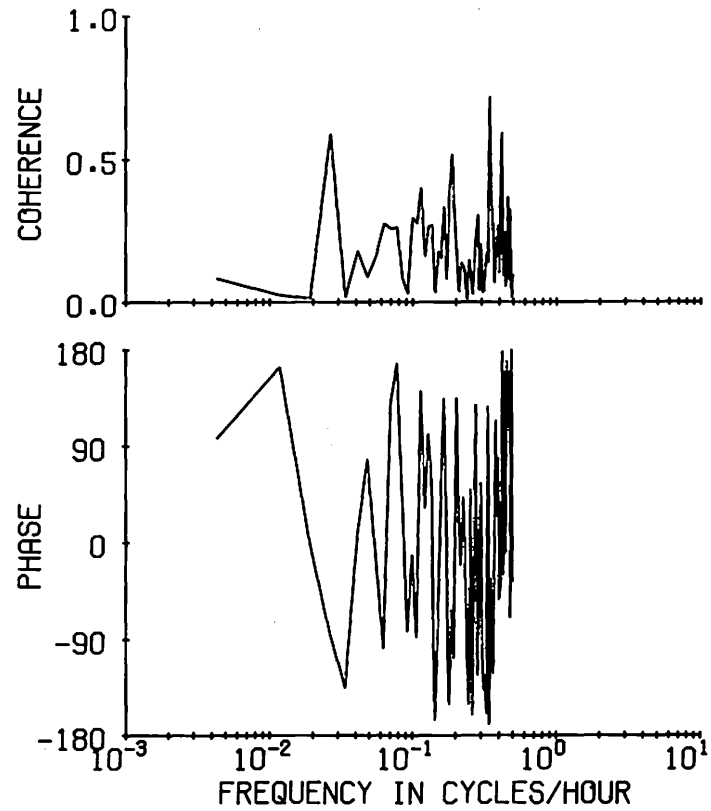
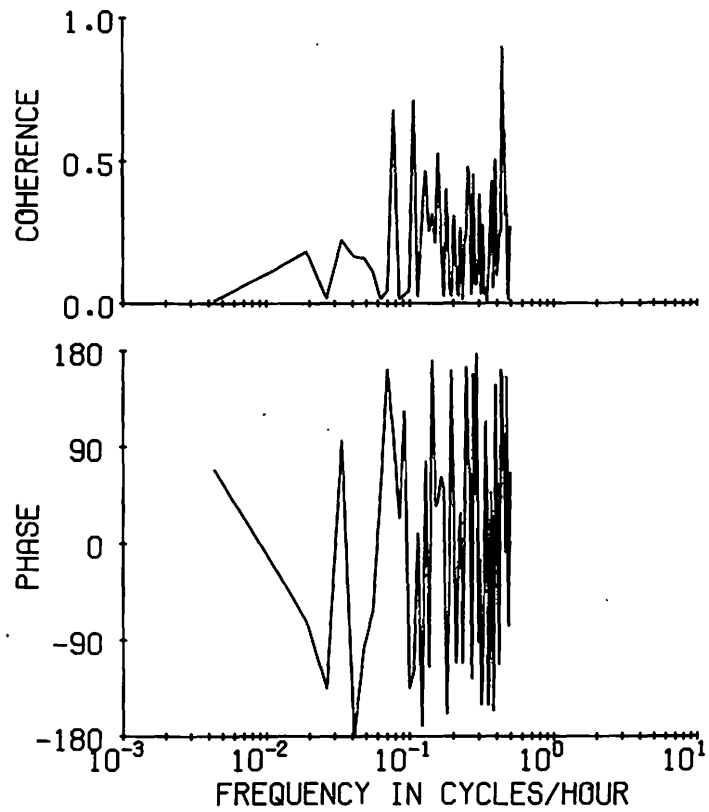
V-COMPONENT



OFFSHORE - WESTPORT
BOTTOM METERS
START: 2/07/73 1900

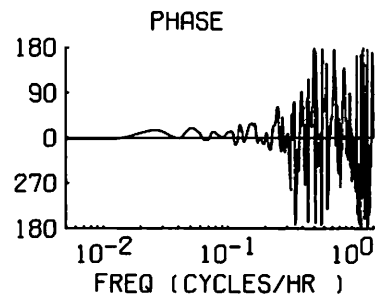
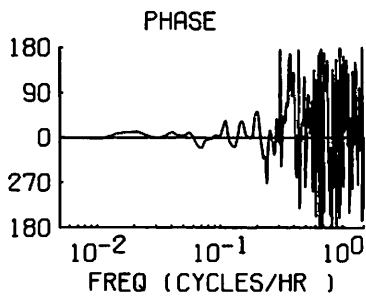
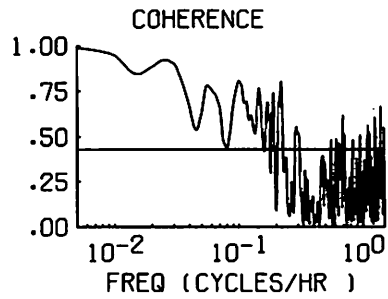
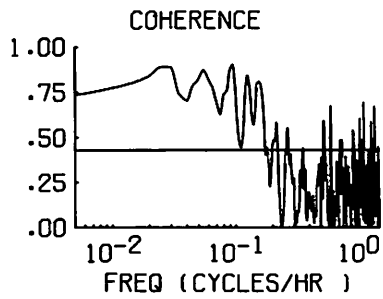
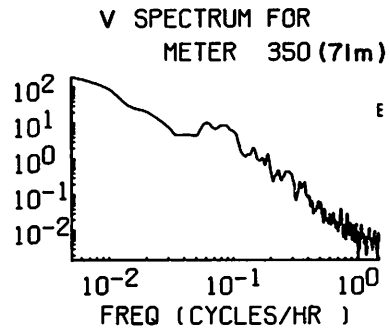
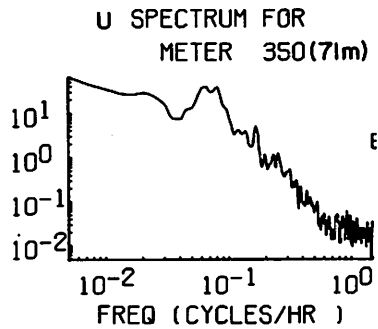
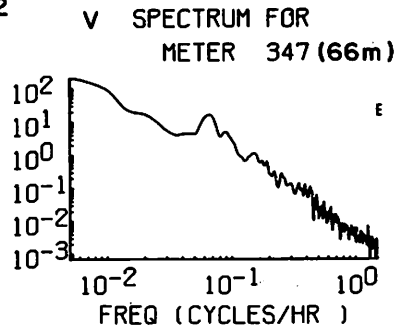
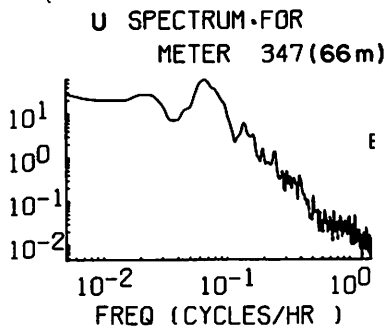
U-COMPONENT

V-COMPONENT



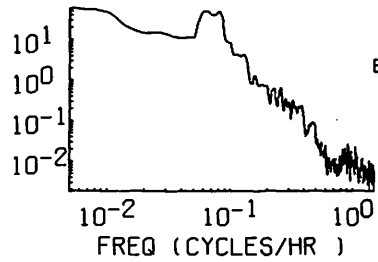
The coherence between various pairs of current meters within the inshore array are shown on pages A-328 through A-335 together with the associated spectra during the January 1972 experiment. On pages A-336 and A-337 the coherence between the inshore and offshore measurements of the near surface and near bottom currents are shown with the associated spectra.

JAN 1972

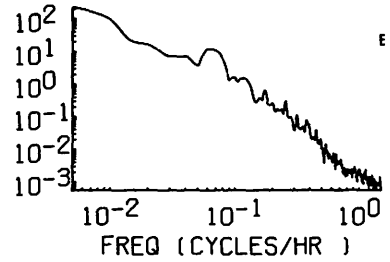


JAN 1972

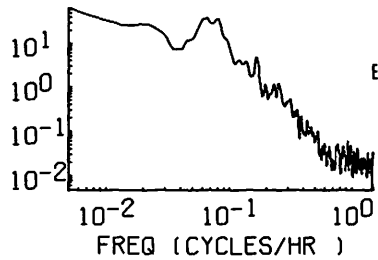
U SPECTRUM FOR
METER 299 (49m)



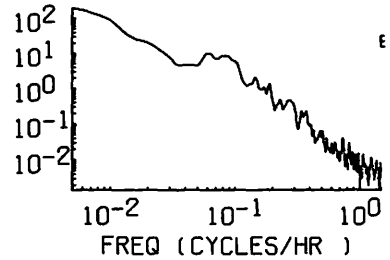
V SPECTRUM FOR
METER 299 (49m)



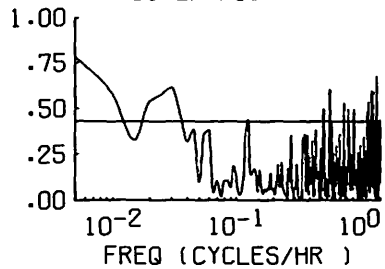
U SPECTRUM FOR
METER 350 (71m)



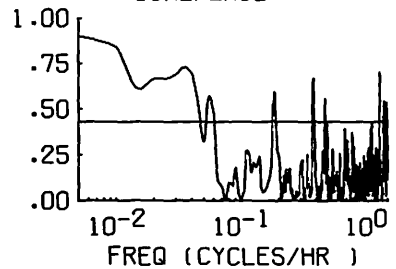
V SPECTRUM FOR
METER 350 (71m)



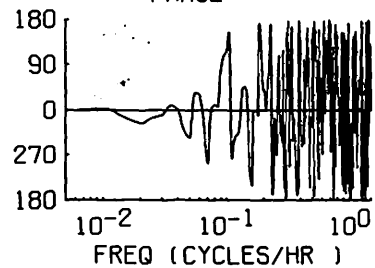
COHERENCE



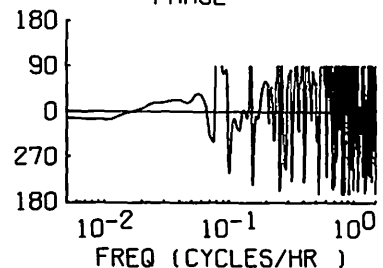
COHERENCE



PHASE

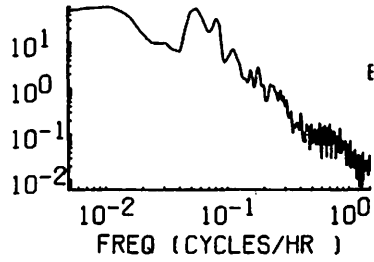


PHASE

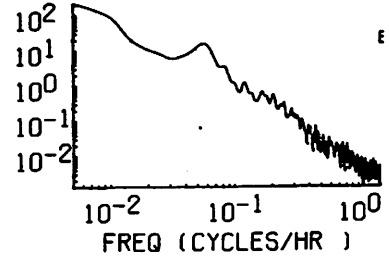


JAN 1972

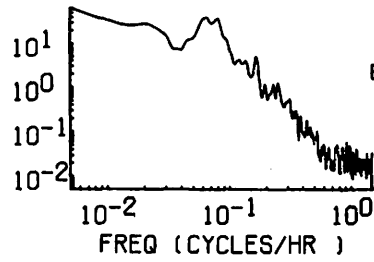
U SPECTRUM FOR
METER 153 (30m)



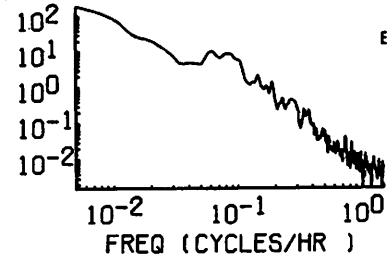
V SPECTRUM FOR
METER 153 (30m)



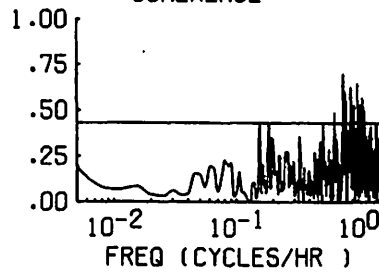
U SPECTRUM FOR
METER 350 (71m)



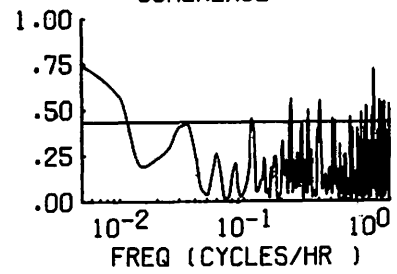
V SPECTRUM FOR
METER 350 (71m)



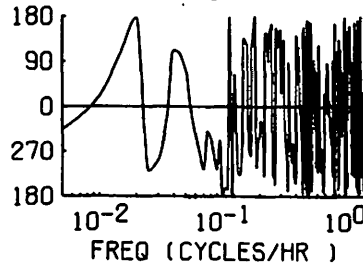
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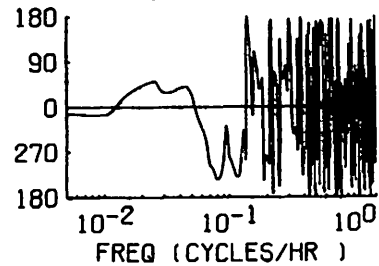
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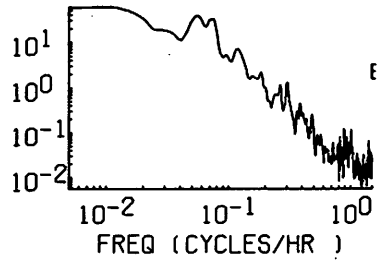
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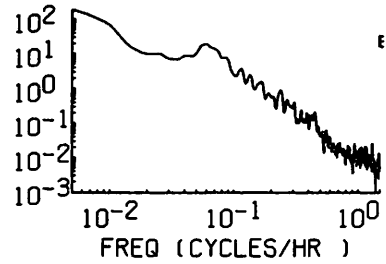
PHASE



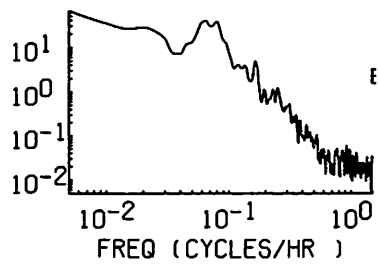
U SPECTRUM FOR METER 297 (16m) JAN 1972



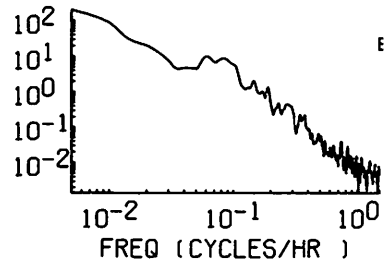
V SPECTRUM FOR METER 297 (16m)



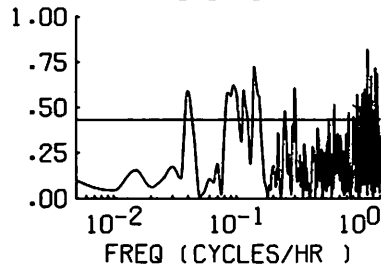
U SPECTRUM FOR METER 350 (71m)



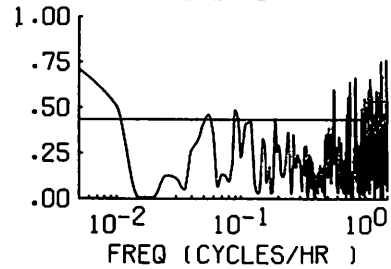
V SPECTRUM FOR METER 350 (71m)



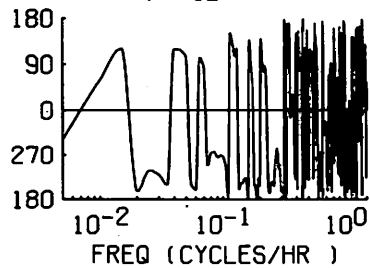
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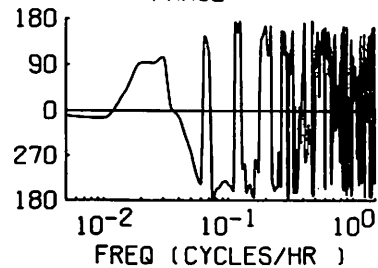
COHERENCE



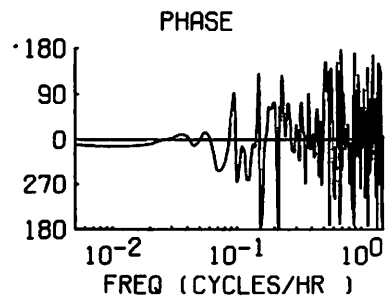
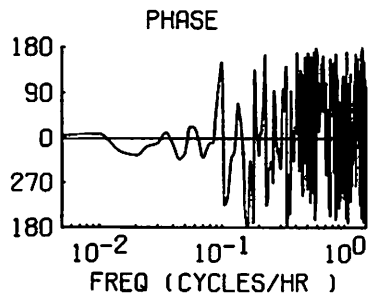
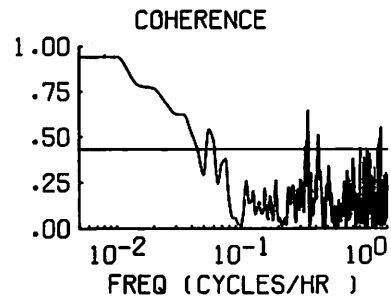
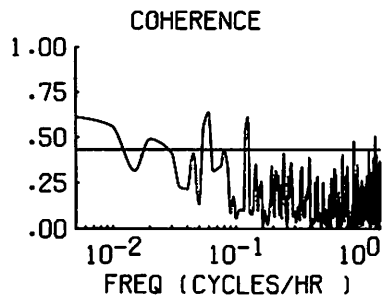
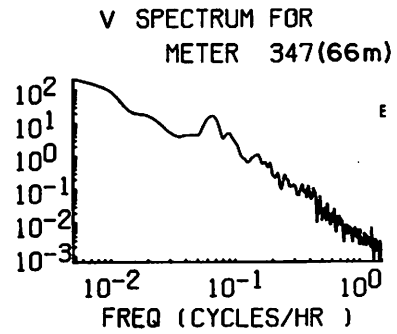
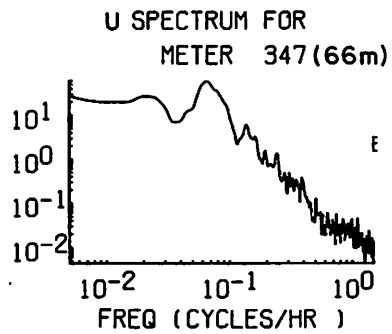
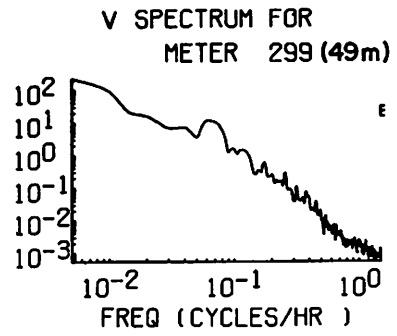
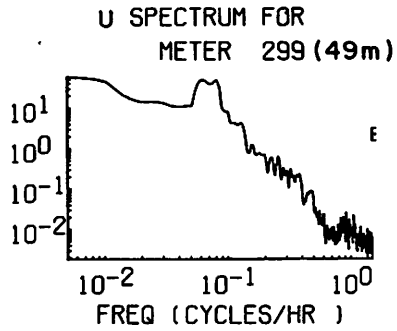
PHASE



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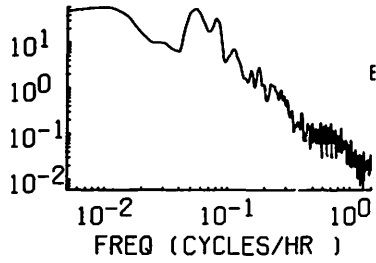


JAN 1972

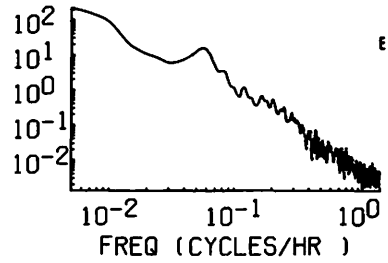


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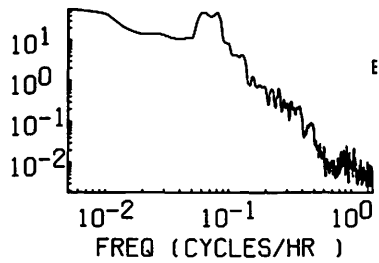
U SPECTRUM FOR
METER 153(30m)



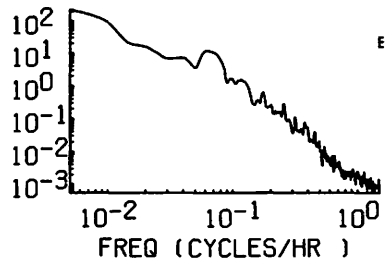
V SPECTRUM FOR
METER 153(30m)



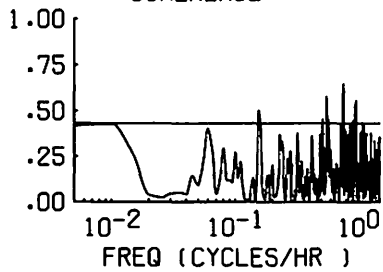
U SPECTRUM FOR
METER 299(49m)



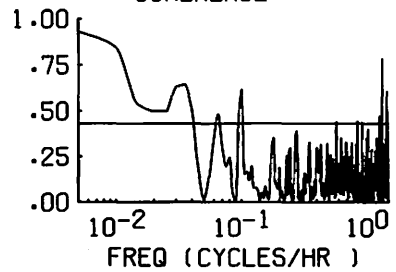
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METER 299(49m)



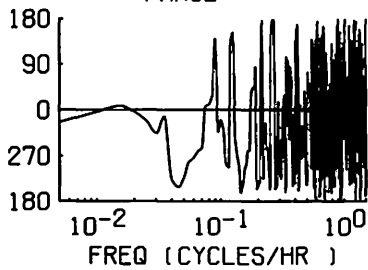
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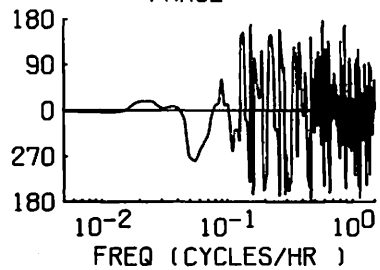
COHERENCE



PHASE

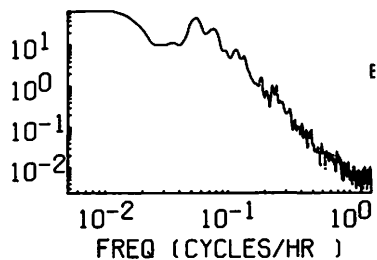


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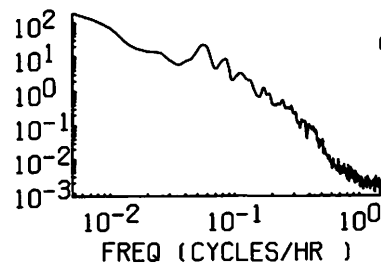


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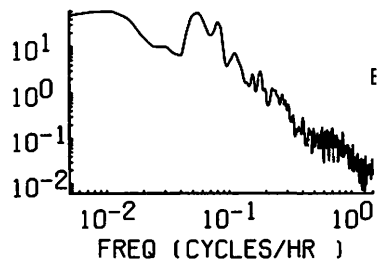
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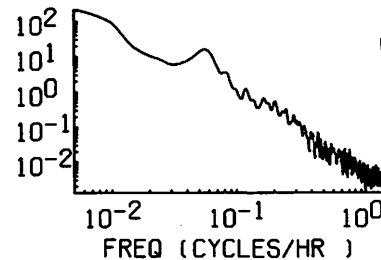
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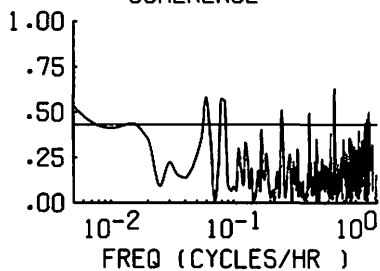
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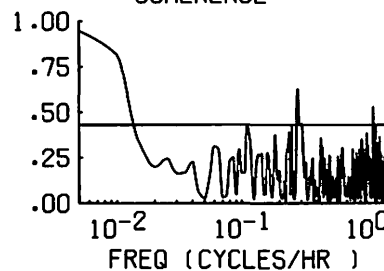
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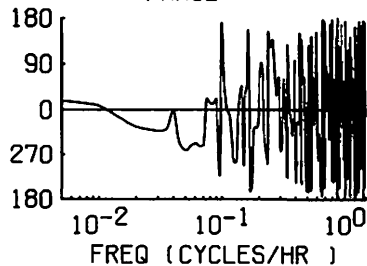
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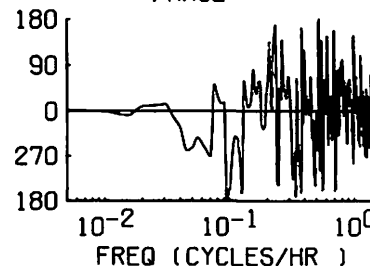
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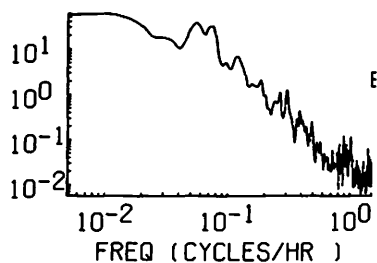


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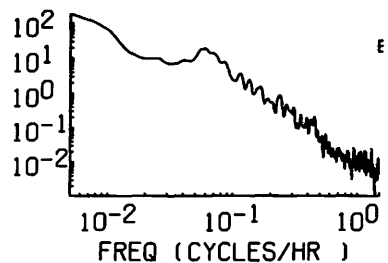


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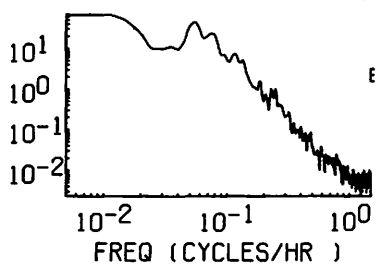
U SPECTRUM FOR
METER 297(16m)



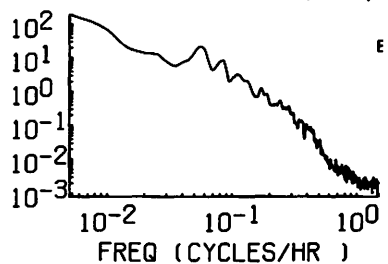
V SPECTRUM FOR
METER 297(16m)



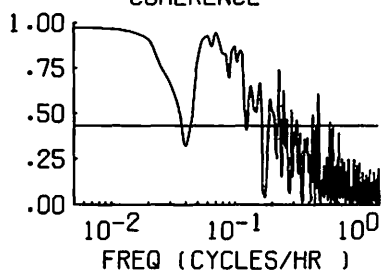
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METER 54 (20m)



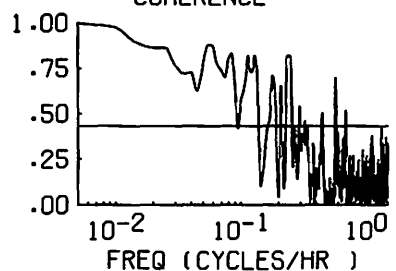
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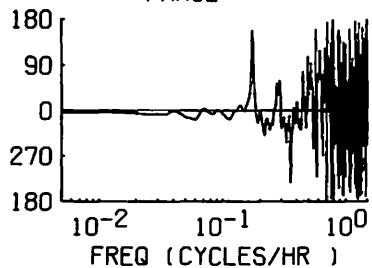
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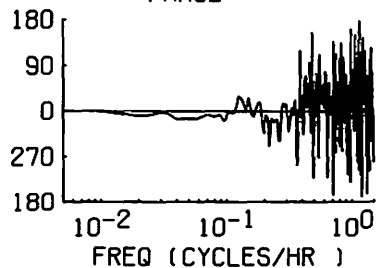
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PHASE

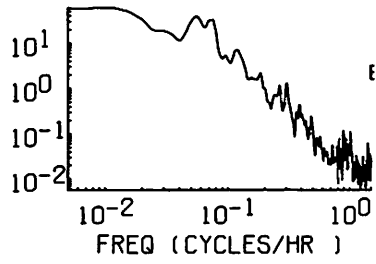


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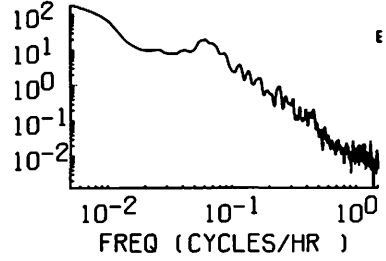


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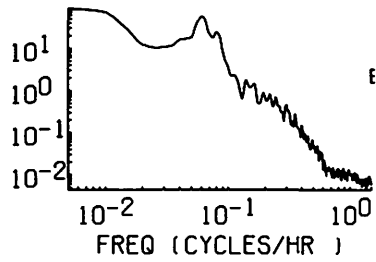
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METER 297 (16m In.)



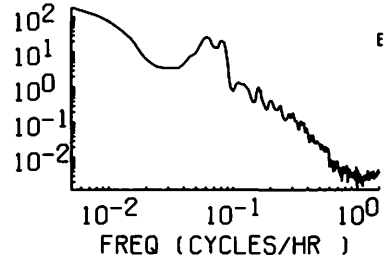
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METER 297 (16m In.)



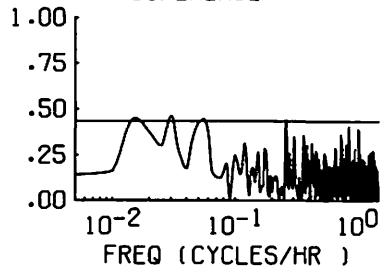
U SPECTRUM FOR
METER 117 (13m Off.)



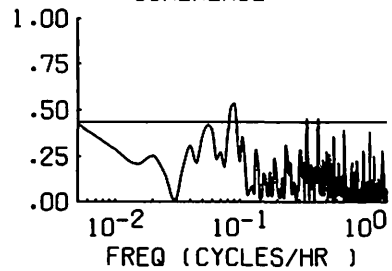
V SPECTRUM FOR
METER 117 (13m Off.)



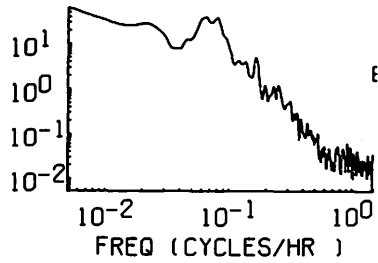
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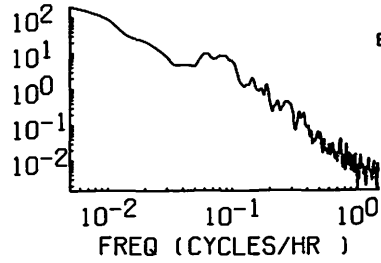
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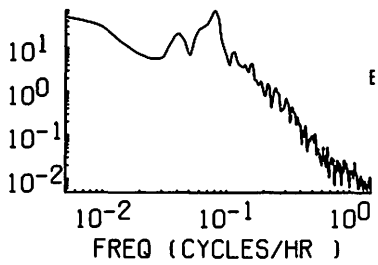
U SPECTRUM FOR JAN 1972
METER 350 (71m In.)



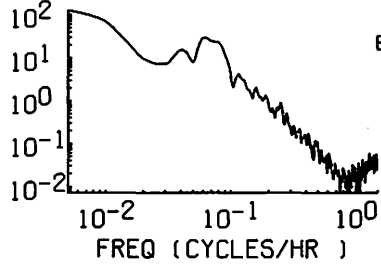
V SPECTRUM FOR
METER 350 (71m In.)



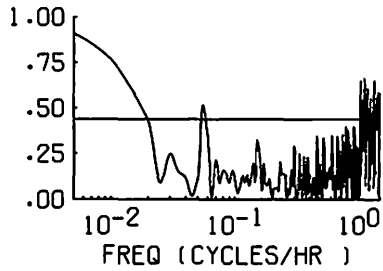
U SPECTRUM FOR
METER 298 (126m Off)



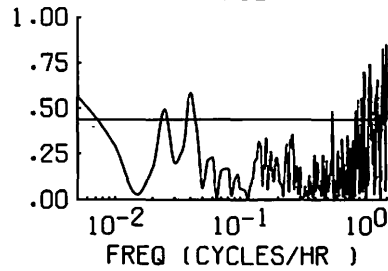
V SPECTRUM FOR
METER 298 (126m Off.)



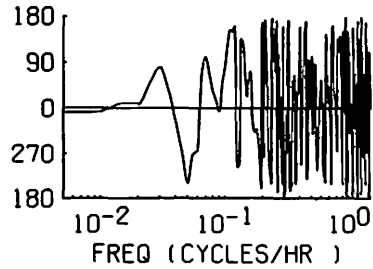
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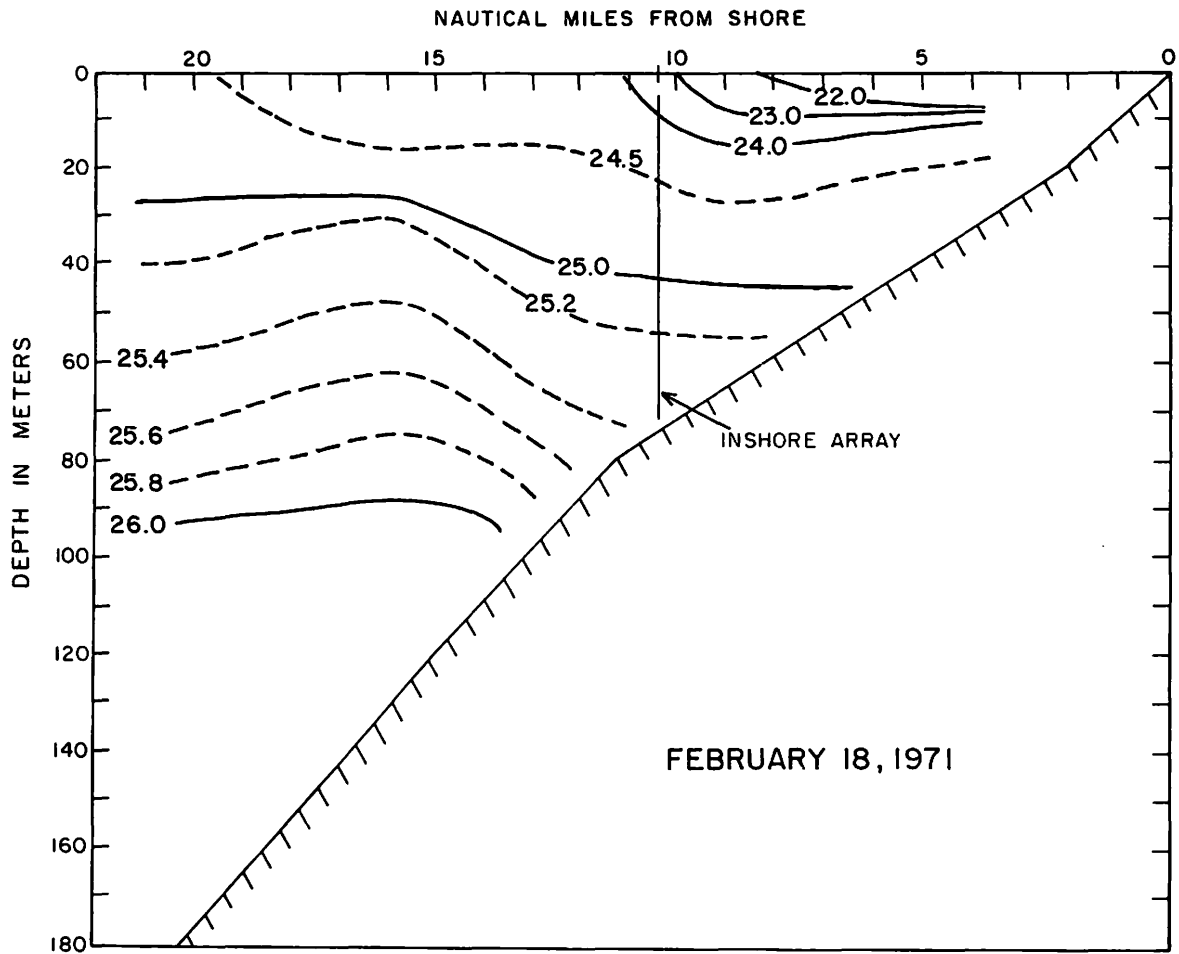


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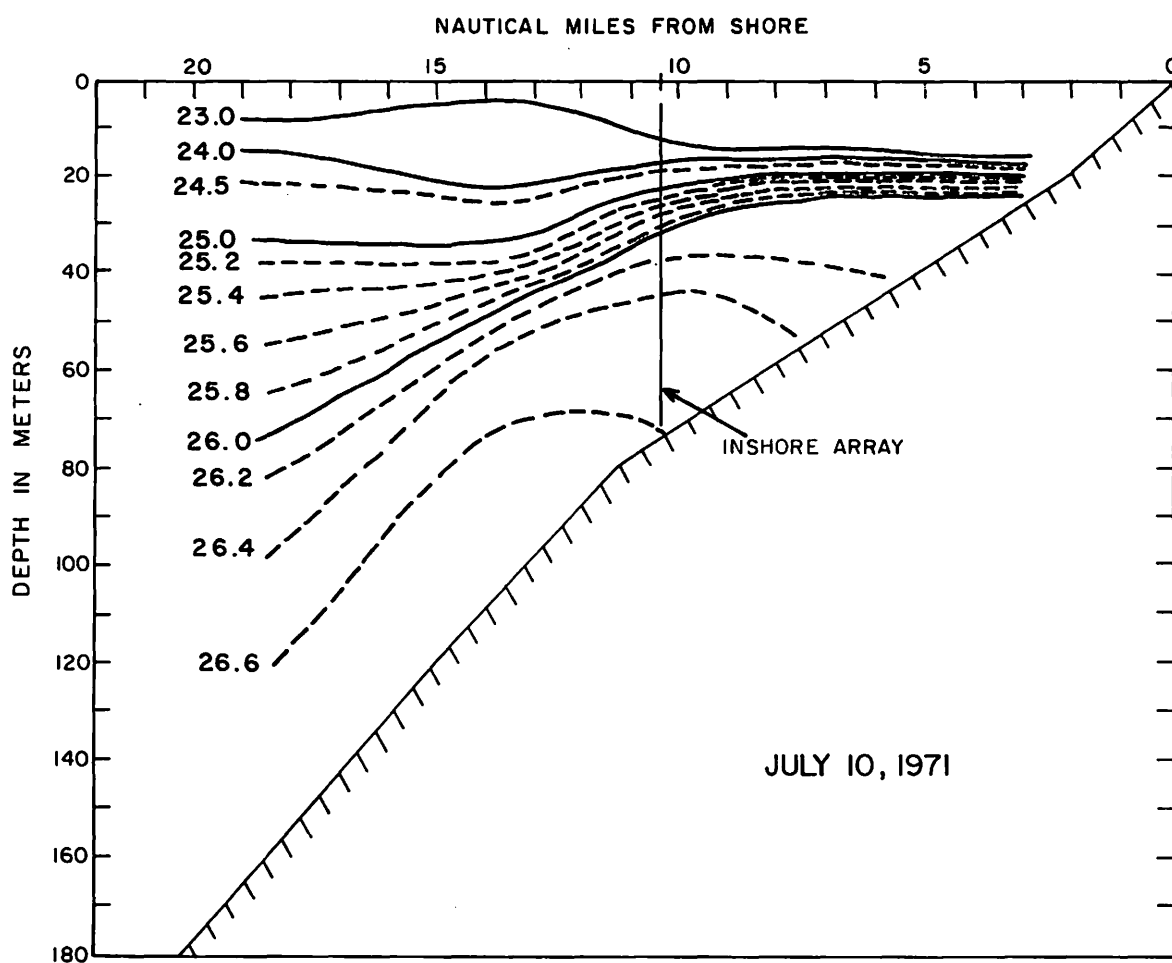


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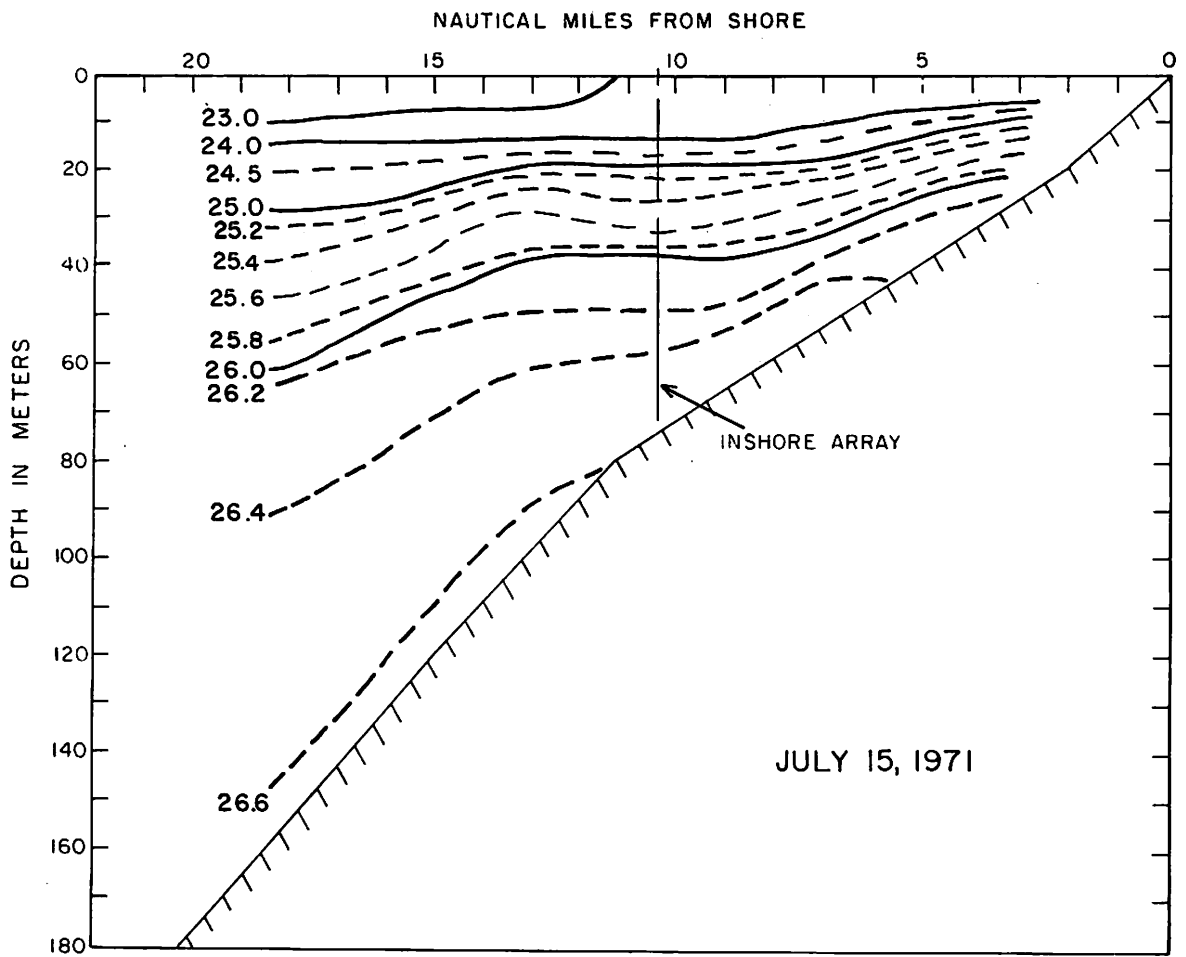




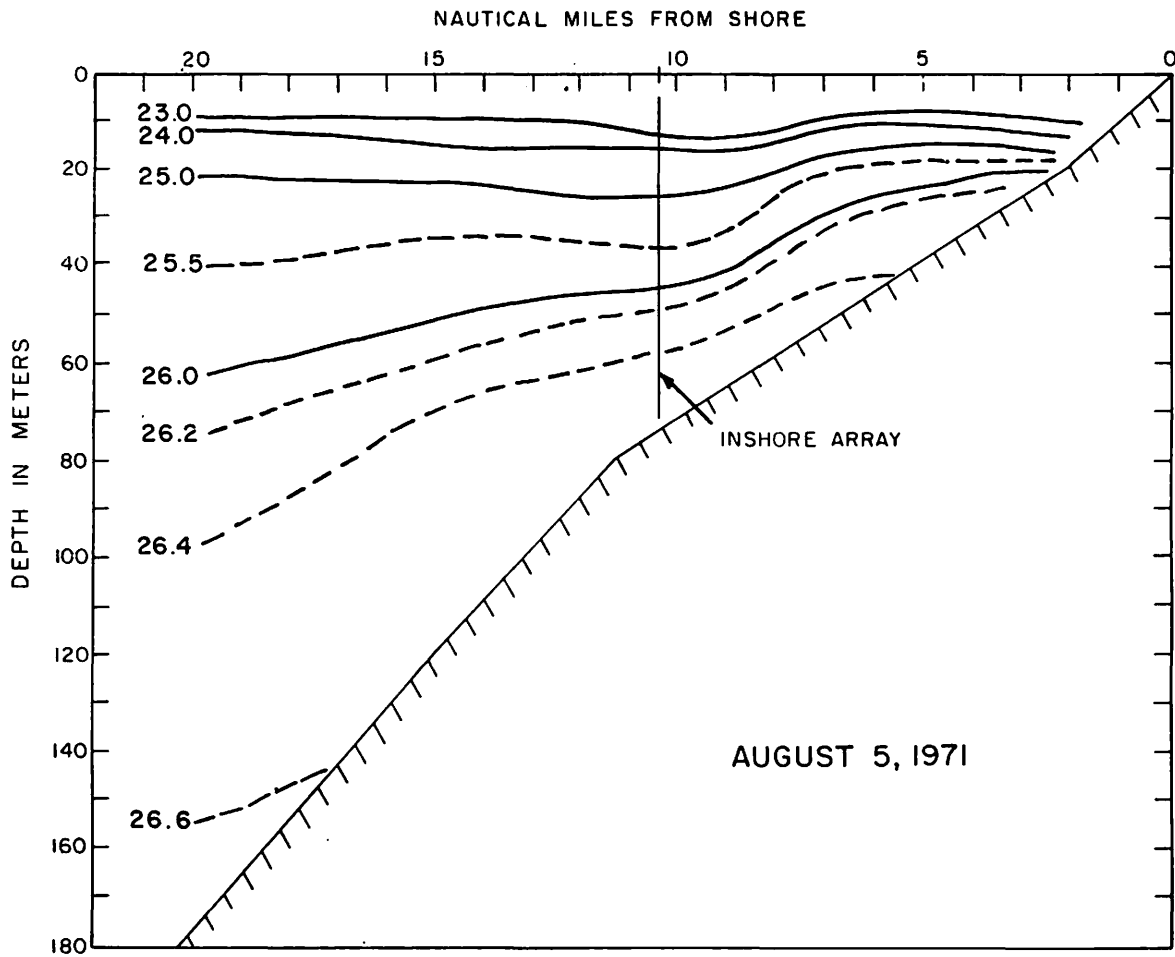
SIGMA-t CROSS-SECTION AT LATITUDE 46° 25' N



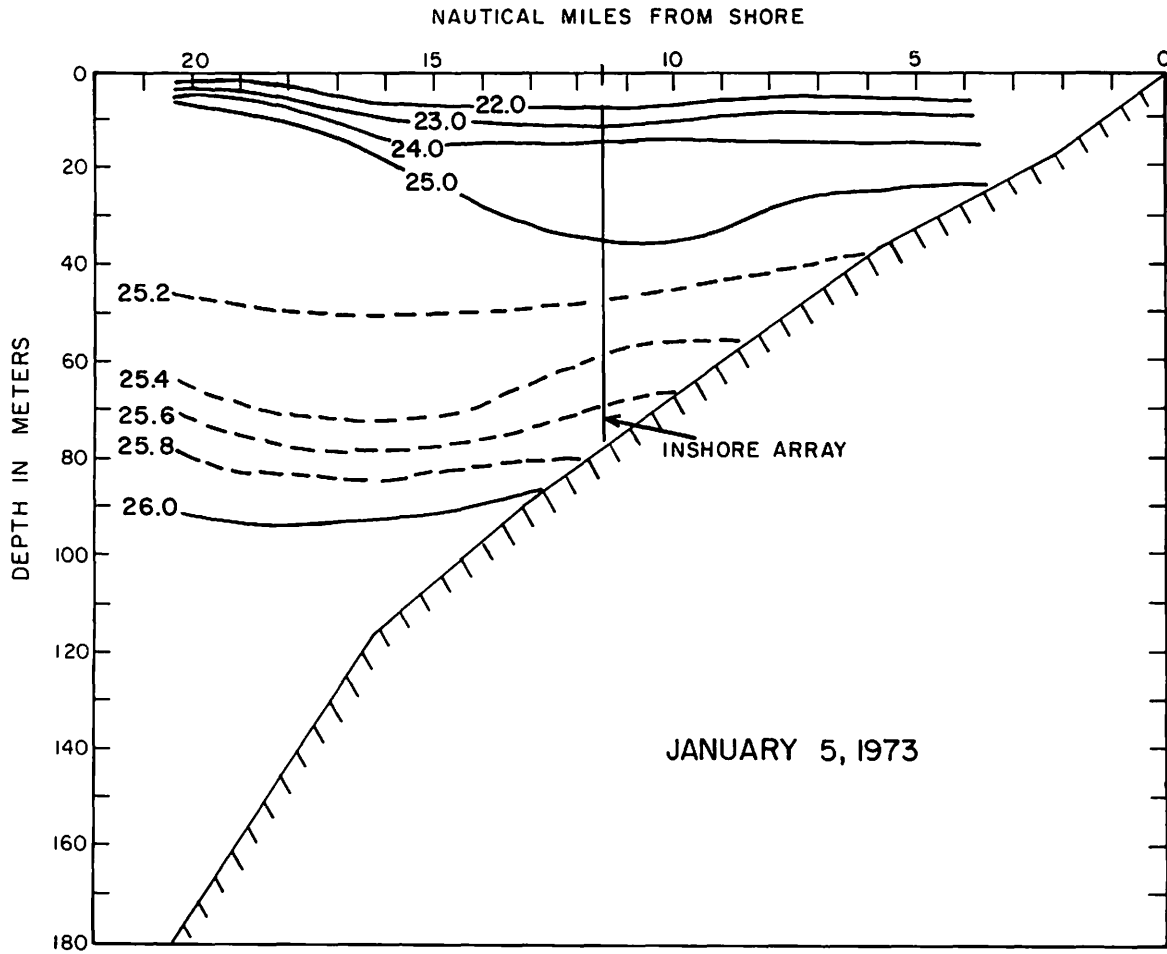
SIGMA- t CROSS-SECTION AT LATITUDE $46^{\circ} 25' N$



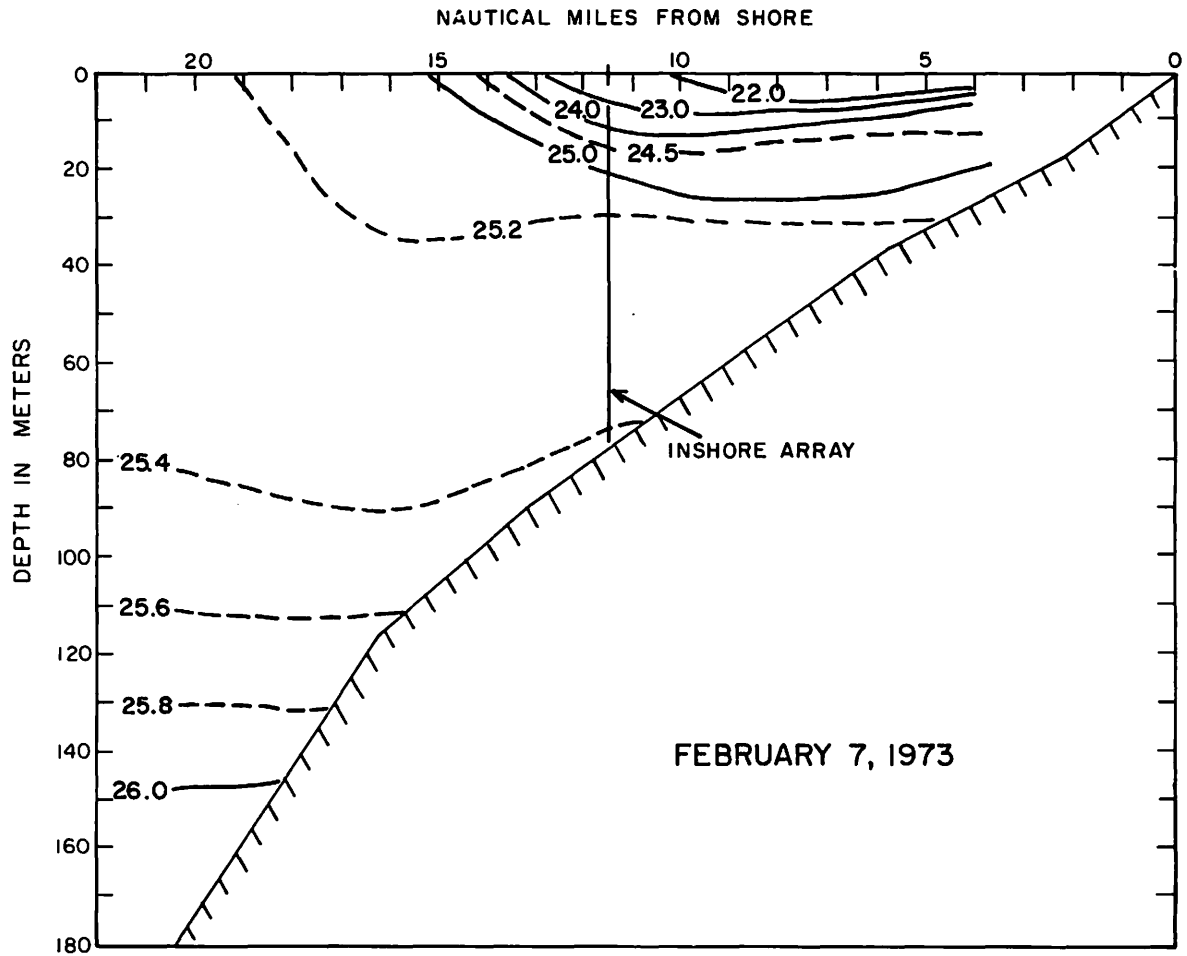
SIGMA-t CROSS-SECTION AT LATITUDE 46° 25' N



SIGMA-t CROSS-SECTION AT LATITUDE 46° 25' N

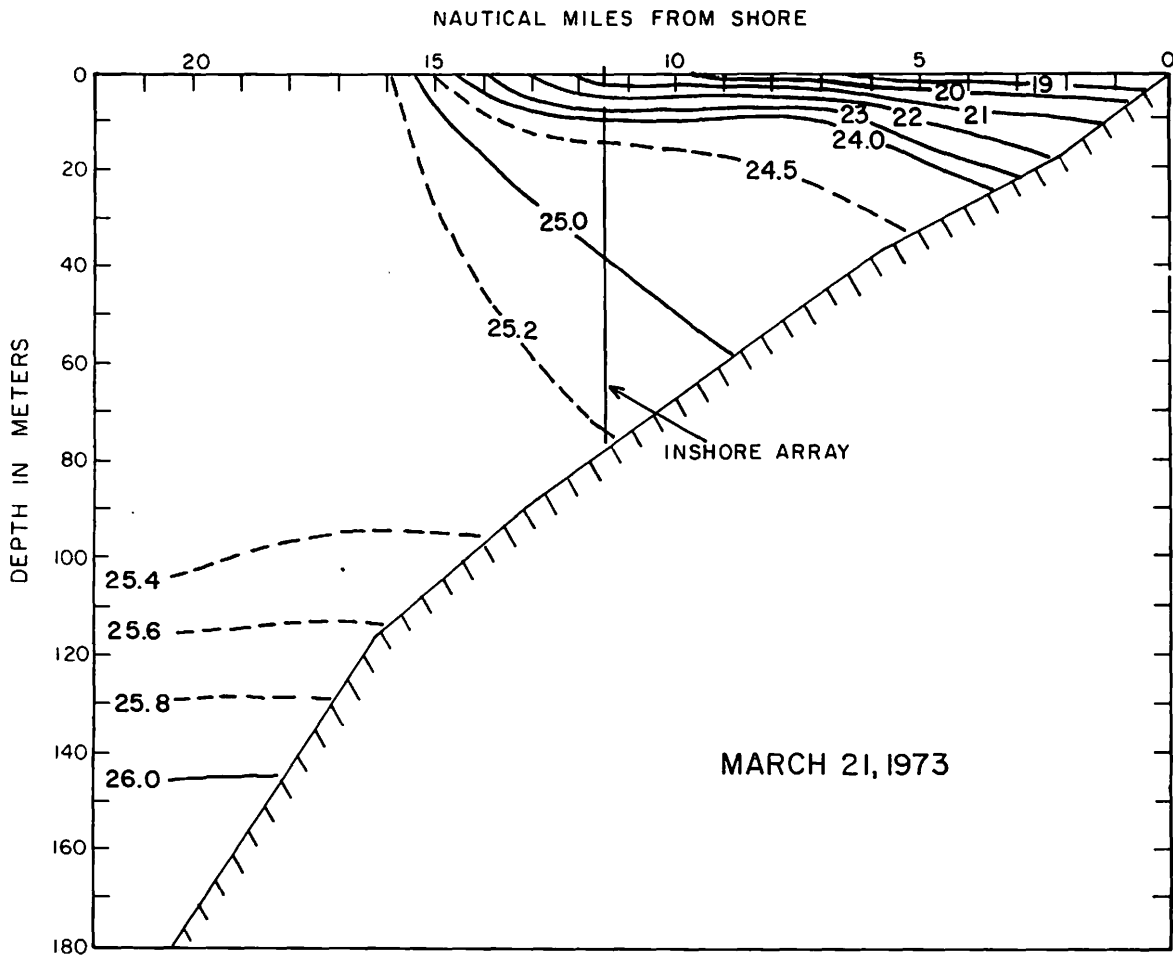


SIGMA-t CROSS-SECTION AT LATITUDE 46° 25'N

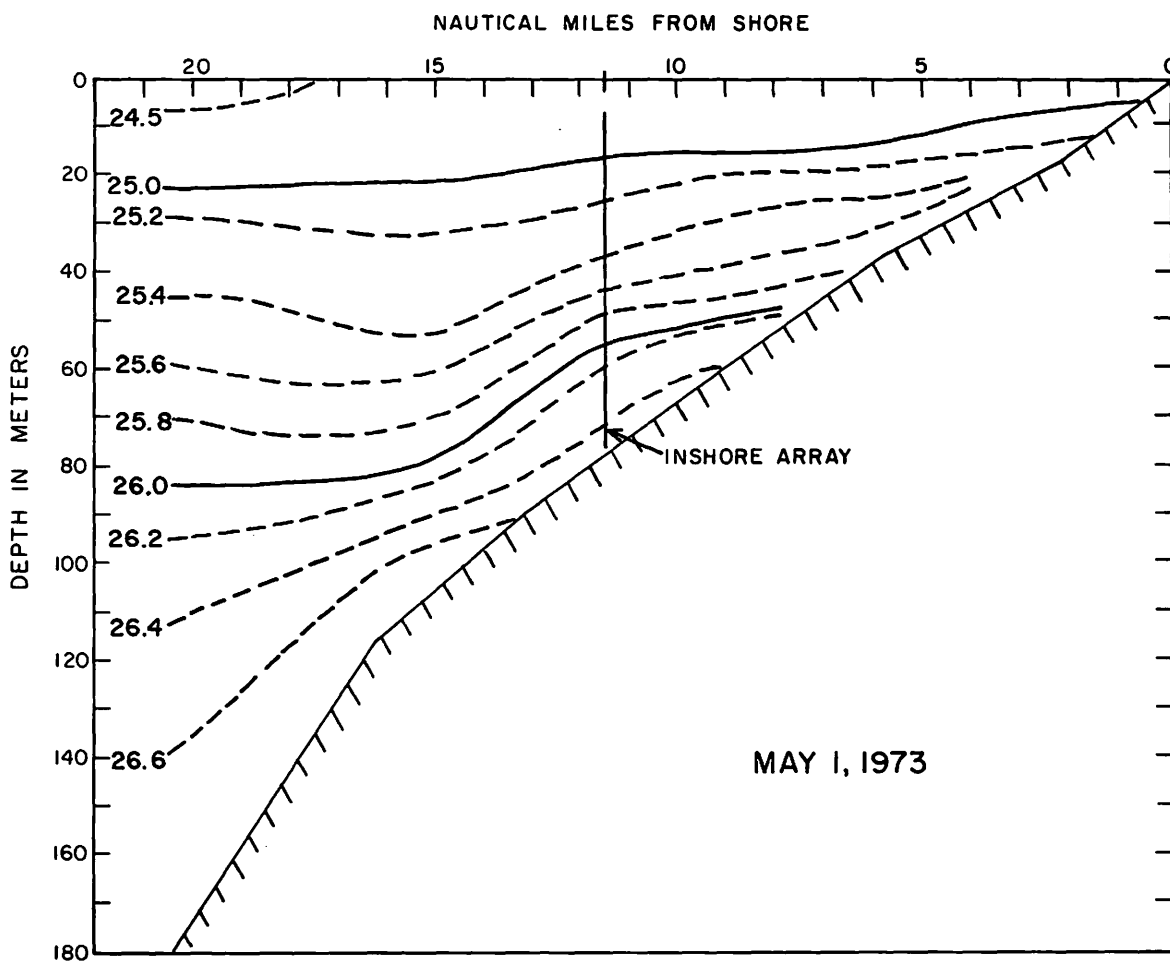


SIGMA- t CROSS-SECTION AT LATITUDE $46^{\circ} 25' N$

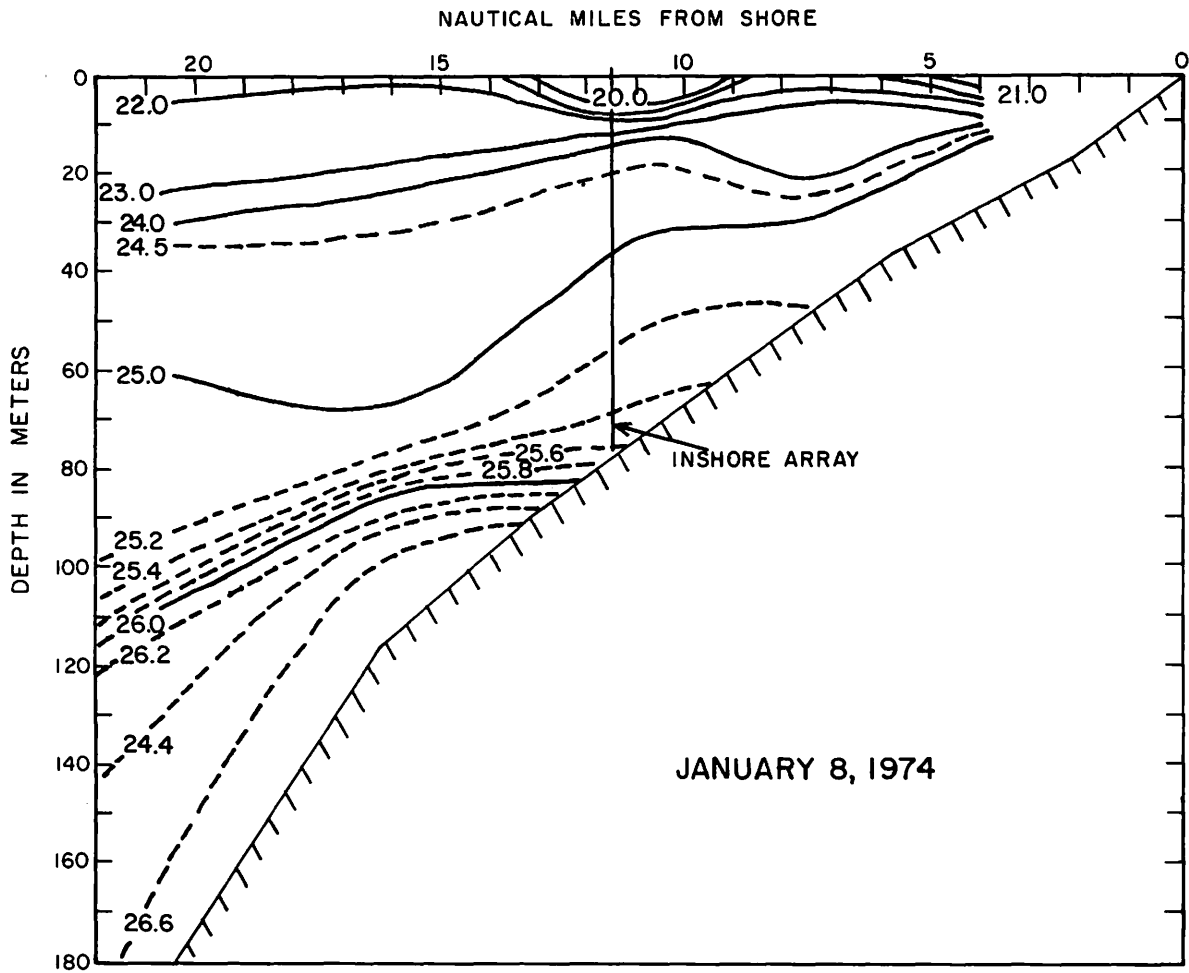
A-344



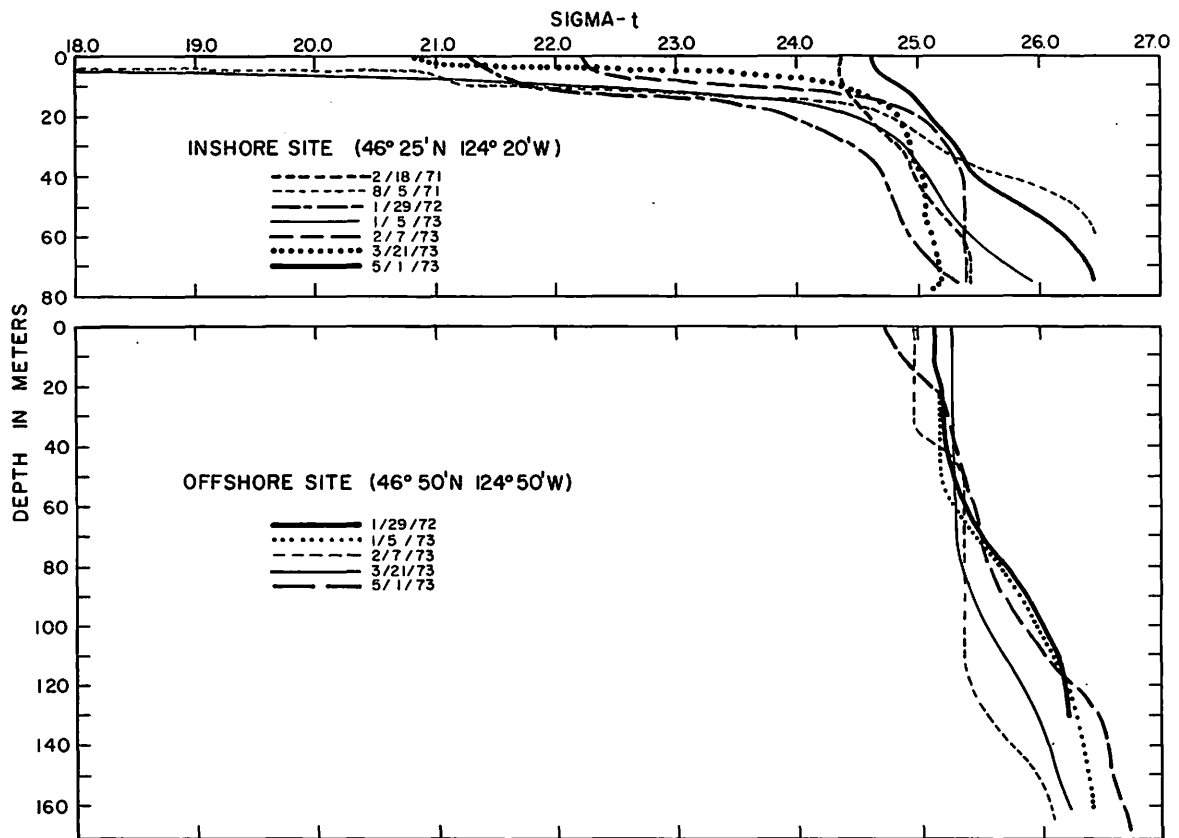
SIGMA-t CROSS-SECTION AT LATITUDE 46° 25' N



SIGMA-t CROSS-SECTION AT LATITUDE 46° 25' N



SIGMA-t CROSS-SECTION AT LATITUDE 46° 25' N



VERTICAL PROFILES OF SIGMA-t AT ARRAY SITES