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Water currents in Prydz Bay, Antarctica during 1985

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WATER CURRENTS IN PRYDZ BAY, ANTARCTICA DURING 1985

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ABSTRACT

Four moorings were deployed in Prydz Bay during 1985 to collect information at four depths at four sites on water speed, direction, temperature, and in some cases, conductivity. The reduced data and notes on the data acquisition methods and locations are presented. Some initial comments on the characteristics of the data are given and some speculation on the implications of the data is included.

An initial description of the physical oceanography of Prydz Bay provided the first input to a database of sufficient intregrity and quantity for numerical modelling purposes.

1. INTRODUCTION

These data have been collected as part of a joint program between the Victorian Institute of Marine Sciences and the Australian Antarctic Division.

The objectives of the program were to characterise the physical oceanography of the Prydz Bay area, and to provide a database of sufficient integrity for use in the development of two- and three-dimensional models of the circulation of Prydz Bay. This is the first part of a phased data collection program to be sustained over several years.

The data were obtained between January 1985 and January 1986. They are directly relevant to the marine scientific work being undertaken in Antarctica, and to the understanding of the physical oceanography in the area.

Moorings consisting of four current meters were deployed. Each meter measured water temperature, speed and direction, and, for mooring 4, pressure and conductivity.

2. PRYDZ BAY AND MOORING LOCATIONS

The study region of Prydz Bay is bordered by the 60°E and 85°E meridians, the 60°S parallel, and the Antarctic continent (Figure 1). The region is almost 700 km wide at its northern boundary, and 200 km from north to south. Water depths vary from 150 m to almost 1300 m. The resolution of the available bathymetry data was often considered to be inadequate for the interpretation of current meter data because of some of the rugged features of the bottom near the meter deployment sites.

Mooring 1 was located on comparatively flat bottom at the edge of the continental shelf to the north of Prydz Bay in 540 m of water.

Mooring 2 was deployed in the south-west part of Prydz Bay. The bathymetry is relatively flat in this area with the bottom at 640 m. This mooring was not recovered. Many large icebergs are produced by the actively calving Amery Ice Shelf to the south-west of Prydz Bay (Figure 1). Most are of a size capable of removing this mooring. The West Ice Shelf to the east of Prydz Bay also regularly produces icebergs which are carried into this region.

Mooring 3 was deployed in the south-east corner in 640 m of water. The bottom gradually slopes from the mooring site to a depth of almost 1300 m . The water currents at this mooring location are likely to be influenced by this distinctive bathymetry.

Mooring 4 was close to Mawson station and situated near the edge of the continental shelf. The bathymetry in this area is rugged, with several trenches and ridges crossing the shelf.

Table 1 lists the locations and periods of measurements of the current meters.

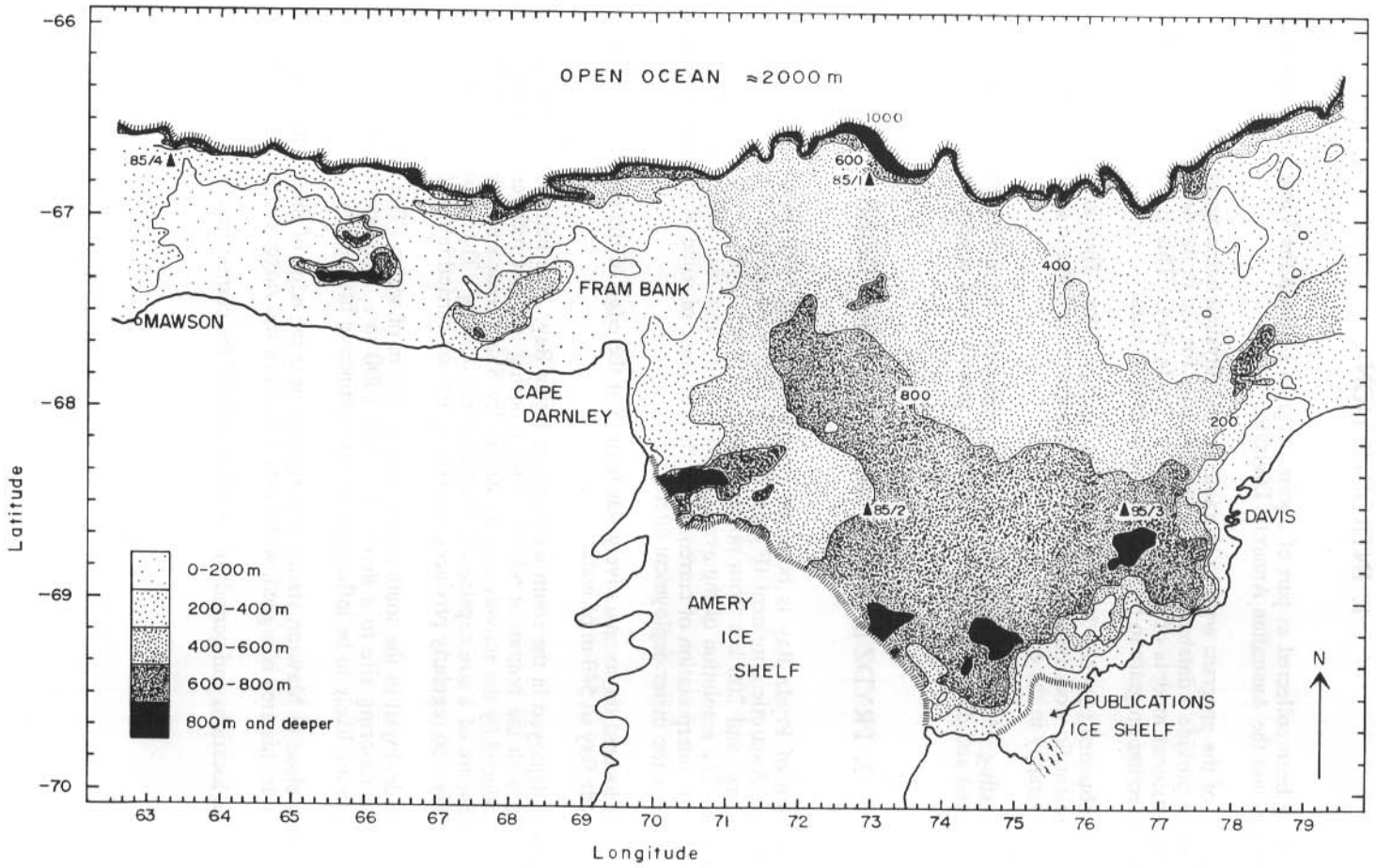

Figure 1. Prydz Bay showing bathymetry and location of current meters.

Table 1. Location, depths, periods of deployment and magnetic declination of current meters.

MOORING	METER No.	INSTR DEPTH	OCEAN DEPTH	LATITUDE (deg. S)	LONGITUDE (deg. E)	NUMBER RECS.	MAG. DECLIN.	PERIOD FROM TO
1	7621	530	540	66 46.2'	72 56.9'	0	-71.4	flooded meter.
1	7738	117	540	66 46.2'	72 56.9'	7135	-71.4	16/1/85-9/11/85
1	7792	472	540	66 46.2'	72 56.9'	4348	-71.4	16/1/85-16/ 7/85
1	7793	263	540	66 46.2'	72 56.9'	7940	-71.4	16/1/85-12/12/85
3	7623	640	640	68 31.3'	76 29.4'	2866	-76.4	14/1/85-13/ 5/85
3	7735	296	640	68 31.3'	76 29.4'	4254	-76.4	14/1/85-10/ 7/85
3	7737	487	640	68 31.3'	76 29.4'	4682	-76.4	14/1/85-28/ 7/85
3	7794	150	640	68 31.3'	76 29.4'	4100	-76.4	14/1/85- 3/ 7/85
4	6148	325	630	66 44.2'	63 17.0'	8255	-63.5	27/2/85- 5/ 2/86
4	6149	620	630	66 44.2'	63 17.0'	6845	-63.5	27/2/85- 9/12/85
4	6150	516	630	66 44.2'	63 17.0'	8253	-63.5	27/2/85- 5/ 2/86
4	6628	178	630	66 44.2'	63 17.0'	8265	-63.5	27/2/85- 6/ 2/86

*Table 2. Summary or recording intervals and status of temperature, speed, pressure, conductivity and direction sensors. *1* Pressure sensor on 7623 failed; *2* Temperature sensor on 7794 failed; *3* Pressure sensors on 6149, 6150 had their maximum reading limit exceeded, with loss of all data. Meter 6148 had its limit exceeded occasionally with loss of data during periods of strong currents; NRECS = Number of records (equal to number of hours of operation)*

INSTR. No.	TAPE No.	RECORDING INTERVAL	SENSORS ENABLED					NRECS
			TEMP	SPEED	PRESS	COND	DIRECTION	
7621	1	flooded meter	YES	YES	YES	NO	YES	0
7738	1	1:50 16/1/85 - 7:50 9/11/85	YES	YES	NO	NO	YES	7135
7792	1	1:20 16/1/85 - 4:20 16/7/85	YES	YES	NO	NO	YES.	4348
7793	1	1:12 16/1/85 - 20:12 12/12/85	YES	YES	NO	NO	YES	7940
7623	2	1:25 14/1/85 - 10:25 13/5/85	YES	YES	YES *1*	NO	YES	2866
7735	1	1:26 14/1/85 - 6:26 10/7/85	YES	YES	NO	NO	YES	4254
7737	1	1:25 14/1/85 - 2:25 28/7/85	YES	YES	NO	NO	YES	4682
7794	1	1:55 14/1/85 - 20:55 3/7/85	YES *2*	YES	NO	NO	YES	4100
6148	3	1:00 27/2/85 - 23:00 5/2/86	YES	YES	YES	YES	YES	8255
6149	4	1:00 27/2/85 - 5:00 9/12/85	YES	YES	YES *3*	YES	YES	6845
6150	4	1:00 27/2/85 - 21:00 5/2/86	YES	YES	YES *3*	YES	YES	8253
6628	4	1:00 27/2/85 - 9:00 6/2/86	YES	YES	YES	YES	YES	8265

3. DATA COLLECTION

Each mooring consisted of four Aanderaa current meters, calibrated in Australia, with intended depths of 200 m, 350 m, 500 m and near-bottom. Buoyancy was provided by Ferranti glass floats, and the whole mooring was held to a railroad-wheel anchor by an E.G. and G. acoustic release. Diagrams of the moorings are given in Appendix I.

Of the sixteen current meters deployed, eleven were recovered with data intact. All meters recorded time, direction, speed and temperature at intervals of 60 minutes. On moorings 1 and 3, only current meters 7621 and 7623 were equipped with pressure sensors. All meters on mooring 4 were equipped with both pressure and conductivity sensors.

Data were not recovered from a number of meters. The acoustic release of mooring 2 failed to respond to either interrogation or release commands (if it was still there), causing the possible loss of the entire mooring and thus any recorded data. Further unsuccessful attempts to locate and retrieve the mooring were made during the 1986-87 summer. Current meter 7621 flooded and all data were lost. The pressure sensors on current meters 6149 and 6150 were capable of reading only to 500 psi (about 350 m). Unfortunately, these were deployed in deeper waters and so failed to record any valid pressure data.

Table 2 summarises the recording periods and parameters recorded for the recovered current meters. Figure 2 illustrates the data collection period for each current meter.

4. REDUCTION OF DATA

The data were read from Aanderaa tapes, and processed to produce a calibrated data file in scientific units suitable for archiving. All data flagged as faulty were removed from the files before processing was attempted. 'Scatter', progressive-vector, temperature/time and vector/time ('stick') plots were produced, and monthly statistics of the data were compiled at this stage. Some files had suspect data, not flagged as faulty on the tape. These suspect data were removed creating truncated files, suitable for further processing which consisted of tidal height and spectral analyses. Comments on the edited data files are given in the next section.

The full length and truncated length of files are listed in Table 3. These calibrated files consist of five lines of header information, giving details of start times, number of records, locations, etc., followed by the data in 14-column format. An example listing of the first 30 lines of CM61483C.DAT and a full explanation of the header information is included in Appendix II.

This report includes 'scatter' plots of U and V velocity, progressive-vector plots, temperature/time plots, 'stick' plots, tidal height analyses, power spectra and monthly tables of general statistics.

These analyses were performed on the raw data. The power spectra were smoothed by band-averaging four adjacent spectral estimates, thereby giving each spectral estimate eight degrees of freedom. A linear detrend was applied to the time series before spectral analysis.

Figure 2. Comparative lengths of edited data files. Meters 6148, 6149, 6150, 6628 used Eveready batteries, whilst all other meters used Novel batteries.

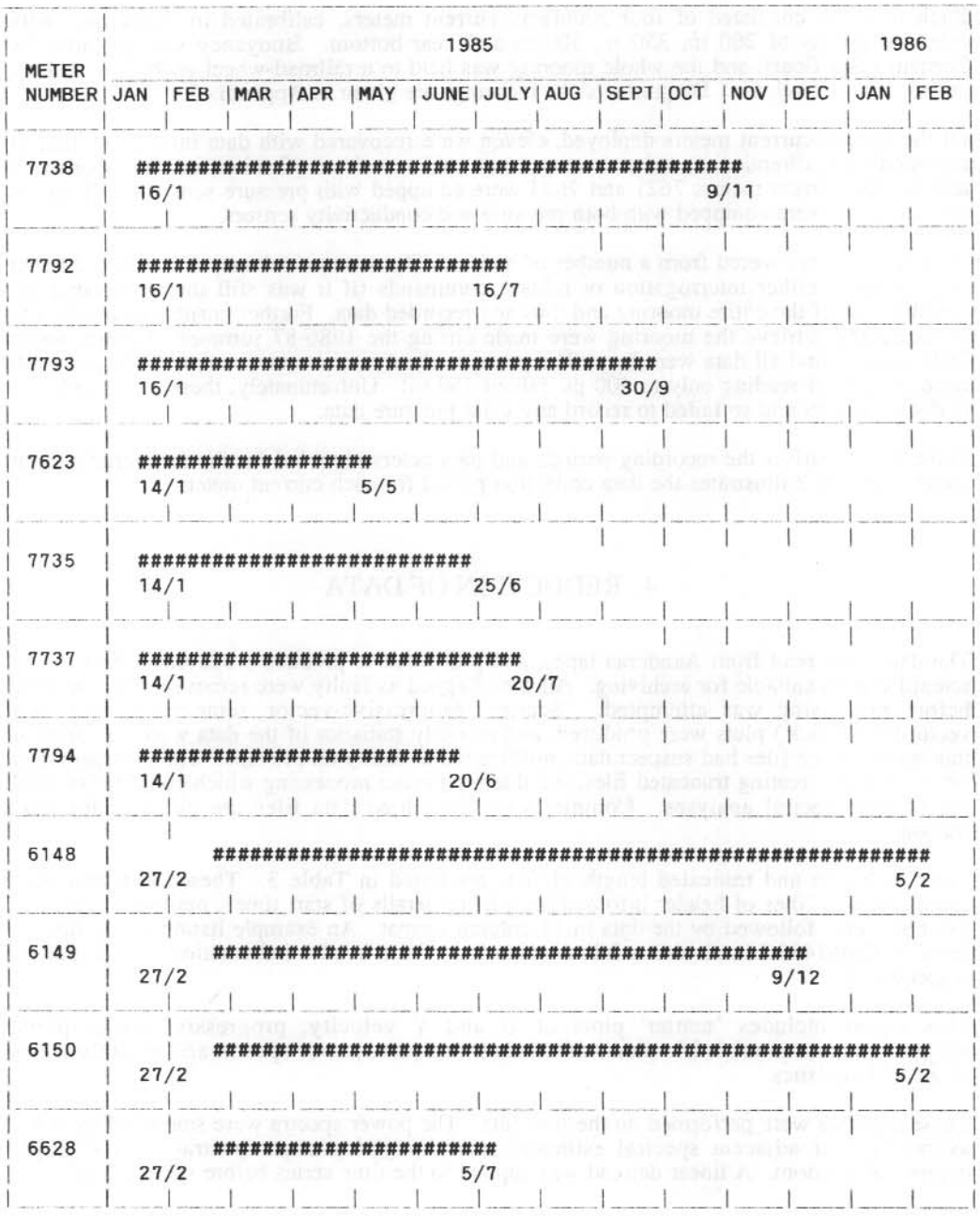

Table 3. Recording periods and lengths of edited files.

METER NUMBER	PERIOD OF UNEDITED FILE FROM	TO	NUMBER RECORDS	PERIOD OF EDITED FILE FROM	TO	NUMBER RECORDS
7738	1:50 16/01/85	7:50 9/11/85	7135	NO CHANGE		
7792	1:20 16/01/85	4:20 16/07/85	4348	NO CHANGE		
7793	1:12 16/01/85	20:12 12/12/85	7940	1:12 16/01/85	20:12 30/09/85	6188
7623	1:25 14/01/85	10:25 13/05/85	2866	1:25 14/01/85	1:25 5/05/85	2664
7735	1:26 14/01/85	6:26 10/07/85	4254	1:26 14/01/85	4:26 25/06/85	3892
7737	1:25 14/01/85	2:25 28/07/85	4682	1:25 14/01/85	10:25 20/07/85	4498
7794	1:55 14/01/85	20:55 3/07/85	4100	1:55 14/01/85	15:55 20/06/85	3782
6148	1:00 27/02/85	23:00 5/02/86	8255	NO CHANGE		
6149	1:00 27/02/85	5:00 9/12/85	6845	NO CHANGE		
6150	1:00 27/02/85	21:00 5/02/86	8253	NO CHANGE		
6628	1:00 27/02/85	9:00 6/02/86	8265	1:00 27/02/85	24:00 5/07/85	3095

5. PLOTS

5.1 SCATTER PLOTS (APPENDIX V)

In these plots of U velocity (due east) against V velocity (due north) a blank wedge of 3º has been produced because the Aanderaa calibration coefficients constrain the direction to vary between 1.5 and 358.5º. As a result, this blank wedge at magnetic north appears on all of the scatter plots.

The pattern seen in the scatter plot of current meter 6628 is the result of slackness in the mooring, which produced excessive tilt of this (top) meter under conditions of high currents. The circle around the bottom half of the graph is produced by high currents causing the meter to tilt and upset the stable balance of the instrument. The semicircle corresponds to a velocity of 192.5 cm/s, which is the maximum flow that can be recorded by this meter. There is also the possibility of some fault in the data logging of the meter but a check (subsequent to the deployment) revealed no faults; it is surmised that ice formation on the meter had some influence. The tidal height analysis and power spectrum were created using an edited file of only three thousand records for current meter 6628. Data files from current meters 7793 and 7794 also were edited because of the radial lines appearing on the scatter plot, produced by the last few hundred records of the file. Table 3 contains further information on edited files. On all scatter diagrams, true north is to the top of the page.

5.2 PROGRESSIVE-VECTOR PLOTS (APPENDIX VI)

These plot the progressive displacement of a particle starting at time zero and subject to the currents recorded by the current meter during the time period indicated. Care must be taken not to confuse this plot with the actual track taken by particles in this area; the current at the indicated location in space is not necessarily the same as that at the location of the current meter at this later time. On all of these diagrams true north is to the top of the page and east is to the right. All plots start in the middle of the diagram.

5.3 TEMPERATURE/PLOTS (APPENDIX VII)

These are direct plots of temperature against time using unfiltered data, so that diurnal fluctuations are evident as well as seasonal trends.

5.4 STICK PLOTS (APPENDIX VIII)

These plots illustrate the way in which current vectors change with time; vectors at two-hourly intervals are plotted. The length of the stick represents the speed of the current, and the stick indicates the direction of the currents with true north at the top of the page.

5.5 TIDAL ANALYSES (APPENDIX IX)

Analyses were performed on the U velocity (due east) of each meter. The outpost consists of a table listing the identity of the component, its period (hours), frequency (cycles/hour), amplitude (cm/s), and the phase of the component at time 0:00 hours on 1 January 1976.

5.6 POWER SPECTRA (APPENDIX X)

These were performed using the U velocity as for the tidal anlayses. In this case however, the data were passed through a four-point, moving-average filter. Peaks have been labelled with the corresponding component's name, obtained by comparison of the periods at which peaks occur with the table output during the tidal analysis.

5.7 STATISTICS (APPENDIX XI)

These were tabulated on a monthly basis for each current meter. Each table lists basic statistics for each of the columns containing valid data. The statistics presented are:

Min.	The minimum value of a column during the month.
Min. SU	The minimum value in standard units. This is equal to the minimum value minus the mean value, divided by the standard deviation.
Max.	The maximum value of a column during the month.
Max. SU	The maximum value in standard units. This is equal to the maximum value minus the mean value, divided by the standard deviation.
StDev	The standard deviation; this gives an indication of the variability of the data.
Mean	The sum of the data values during the month, divided by the number of values during the month.
RMS	The square root of the mean of the squares of the data values.
Median	The number with the same number of data values above and below it.
NPts	The number of points for the column during the month.

These statistical analyses are included largely as an aid to the interpretation of the graphical output and to assist the reader in direct comparisons between various current meters over contemporaneous periods.

6. INDIVIDUAL DATA RECORDS

The depths of the current meters on mooring 4 were recorded, but information was lacking as to which meters corresponded to each depth. The pressure sensors on the top two meters identified their respective depths but the sensors of the bottom two current meters exceeded their maximum depth. Thus, the depth at which each of these two meters was located cannot be determined from the pressure data. The average temperature over the recording period was slightly lower for meter 6150, and it also recorded lower velocities; the pressure gauge on 6149 was found to have failed completely. It seems reasonable to assume that the deepest of these two meters was the most likely to have the pressure gauge that completely failed, although this cannot be verified.

The pressure reading from the top meter on mooring 4 varied 220 m from a minimum depth of 130 m to a maximum depth of 350 m. Further investigations revealed a high correlation between these depressed readings and very fast current speeds in this area. Apparently the mooring was insufficiently taut and was being deflected by the high current. A calculation shows that the angle of the mooring measured from the vertical was at times as large as 60°. The gimbal for the direction vane on an Aanderaa current meter accommodates a tilt of up to 27° only, so both the speed and direction data collected during periods of high currents must be regarded as unreliable.

The magnetic declination for true north differed by 13° between the locations of the three retrieved moorings. Because of this variability, the magnetic declination recorded at Mawson does not apply to all the strings. Unfortunately, magnetic variation data for the area are scarce and the latest survey to cover the area of the moorings was taken by the Bureau of Mineral Resources in 1975. These data have been extrapolated to 1985, by applying the rate of variation of declination measured at Mawson (R. Hutchinson, Bureau of Mineral Resources, pers. comm.). Because the rate of variation changes with location, the values of declination can be regarded as accurate only to within half a degree. This is well within the accuracy of the current meter compass which is $\pm 5°$ (Aanderaa Instruments 1981). However,

further complicating the correction for magnetic declination is the diurnal variation in the position of the south magnetic pole. The diameter of the path traced out daily by each of the poles ranges from as little as 15 km on magnetically quiet days to many hundreds of kilometres on days when the magnetic field is highly disturbed by the sun (Barton and Quilty 1986). Because of the proximity of Prydz Bay to the south magnetic pole, this can translate to an error of up to $\pm 5^{o}$ in the direction measurement. No detailed data are available on the diurnal movements of the pole, so no provision can be made for the inaccuracies this produces. The values of declination applied to the data are listed in Table 1.

The principal reason for loss of data from these meters can be attributed to battery failure during the year. Two types of batteries were used in the current meters; Novel N5147 and Eveready 276. The average period of valid data using the Eveready batteries was 9 months, compared with 7 months using the Novel batteries.

When density currents flow consistently in the same direction for an extended period, such as with meter 7623, some sticks on the stick plot are noticed to be reversed (Appendix VIII). This is caused by a synchronisation error in reading the first bit of the ten-bit data record. These are apparent only when consistent currents are flowing, but they may be present in all of the records. They are fortunately few in number so do not have any significant effect on the anlayses of the data. They have not been edited from the files.

The bathymetry in the Mawson area where mooring 4 was deployed is rugged, with many trenches and plateau in the area. The top meter on this mooring has a recorded depth of 178 m from the surface. It is possible that the depth sounding was taken above a trench but that the mooring landed on a nearby plateau, giving a discrepancy in the depth of 50 m. The depth information has been left unchanged from the deployment records, but it may be in error.

7. REDUCED DATA

The principal observation to come from this preliminary review of the data is the difference in the character of the data collected from each mooring. Because of the distinct differences between each mooring, summary descriptions of the results are given separately.

7.1 MOORING 1

Data from this mooring were characterised by a strong diurnal tidal flow, with a well defined spring/neap tidal cycle. At this mooring only three functioning meters were recovered, the deepest meter (7621) having flooded, apparently due to the failure of one of the 'o' rings.

Current velocities were similar throughout the water column, although slightly weaker at the top meter (7738).

Meter 7793's scatter plot has a 'cross' superimposed over the top of the scatter. This was the result of weak batteries causing the meter to incorrectly record the first one, two or three bits of direction data from the records near the end of its recording period. These erroneous data were deleted from the file for the tidal height and power spectrum analyses. The scatter diagram of 7738 shows that currents flowing from the north-east quadrant are uncommon.

Temperature records for all three meters are similar with four strong peaks early in the year, then stabilising in the middle of March possibly as ice begins to form at the surface. The top meter (7738) was cooler than the lower meters by around $1^{o}C$. Whilst meters 7793 and 7792

had similar temperatures for the most part, the middle meter (7793) showed greater variation than the bottom one (7792), dropping an extra half-degree during neap events, perhaps indicating the influence of the colder Prydz Bay water.

There is a strong correlation between currents and tidal cycles for all of the meters at this location, with temperatures varying diurnally and with the spring/neap cycle. Warmer water occurred with northerly currents while the coldest temperatures are found during west to south-westerly flows.

As would be expected with strong diurnal currents, the tidal constituents O1, K1, M2, S2 were the most significant. At the top of the water column M2 and S2 were higher than at the bottom, while the reverse holds true for O1 and K1. Further analysis of the complicated circulation at the edge of the shelf needs to be undertaken, and will be the subject of a later paper. It appears likely that vertical mixing caused by off-shelf waters encroaching onto the shelf was causing the rapid changes in temperature.

7.2 MOORING 2

Mooring 2 was not recovered.

7.3 MOORING 3

The meters on this mooring recorded the lowest currents of the 1985 program. These comparatively weak flows tended to be steady, and in a south-easterly direction at the lower three current meters (7735, 7737 and 7623) swinging to southerly at the top one (7794). Not far from this mooring, and also to the south-east, is the deepest part of Prydz Bay (Figure 1). This deep hole drops more than 500 m from the surrounding seabed and it appears that water movements are generally towards this area.

Two of the scatter plots (for current meters 7735 and 7623), show biased distributions of direction compared with the other two (for current meters 7737 and 7794) which show complete ellipses. Because one of the complete ellipses (7737) is 'sandwiched' between the biased ellipses, it might be conjectured that the depth of the metres had been incorrectly recorded, and that meter 7737 was the top meter, beneath which were 7794, 7735 and 7623. This possibility was rejected following comparison of temperature records from the meters with temperatures from the CTD profile collected at the time of deployment of the meters (Appendix III). The temperatures at each depth corresponded best using the recorded order of the meters.

Because the currents at this meter were so low, the vector-sum diagrams show considerable meander, and the net excursion is found to be less than for other moorings.

There is no evidence from the temperature records of when ice formed at the surface. However, at the beginning of February the bottom meter (7623), began to record what appears to be density currents along the bottom towards the deep hole. This movement may be dense hypersaline water produced by the formation of sea ice. This dense water may not be formed in the area, but is a potential indicator of formation of ice at the surface or nearby.

Temperatures at this mooring were low and stable throughout the year, with little seasonal variation. The only exception was meter 7737, which had two abrupt, short-term temperature jumps from -2.0° to -1.0° between the middle of April and the middle of May. These jumps seem to have been localised to this depth (487 m), although there was a small temperature increase of 0.1° in the meter above (7735) during the second event. There appears to be no correlation between currents and temperature events; the first event occurred after a long period of very low current flow.

The major characteristics of this mooring were topographically influenced, cold, slow-moving waters with general motion towards the bathymetric depression nearer the coast. This is particularly so at the bottom meter, which appeared to have consistent hypersaline density currents moving towards the deep pool which may be density induced flows.

7.4 MOORING 4

Data from this mooring were characterised by currents up to 200 cm/s flowing in a west-north-west direction. Because of these strong currents and insufficient buoyancy in the mooring, the mooring was subjected to excessive tilt. Aanderaa current meters have a gimbal to accommodate a tilt of only 27° before the meter is forced away from a vertical position. Consequently, velocities recorded by the upper meters of this mooring during periods of high currents may be erroneous. Meter 6628, being the top meter and subjected to the greatest tilt, cannot be assumed to have many valid velocity data. Despite these problems, the consistency of the flow direction and speed over the entire period of data collection allows a number of significant conclusions to be drawn.

On this mooring there is little correlation between current velocities and variations in temperature. However there is a strong similarity between the temperature records from the four meters, and between the velocities recorded by each meter, indicating that the water column is well-mixed with no significant horizontal stratification. The temperatures fluctuated frequently, over a range of about 1° at the lower meters but over a progressively smaller range higher in the water column. At the top meter (178 m) the temperatures were quite stable throughout the record. The only exception to this was a temperature drop towards the end of March, which most likely corresponded to the onset of surface ice formation.

The mechanism driving this strong flow needs further investigation. However, early indications are that the East Wind Drift is converging onto the continental shelf somewhere between mooring 1 and mooring 4, and reinforcing the westward flow along the shelf out of Prydz Bay, past mooring 4. The rapid variation in temperature passing the meters is consistent with this view of two bodies of water at different temperatures mixing turbulently.

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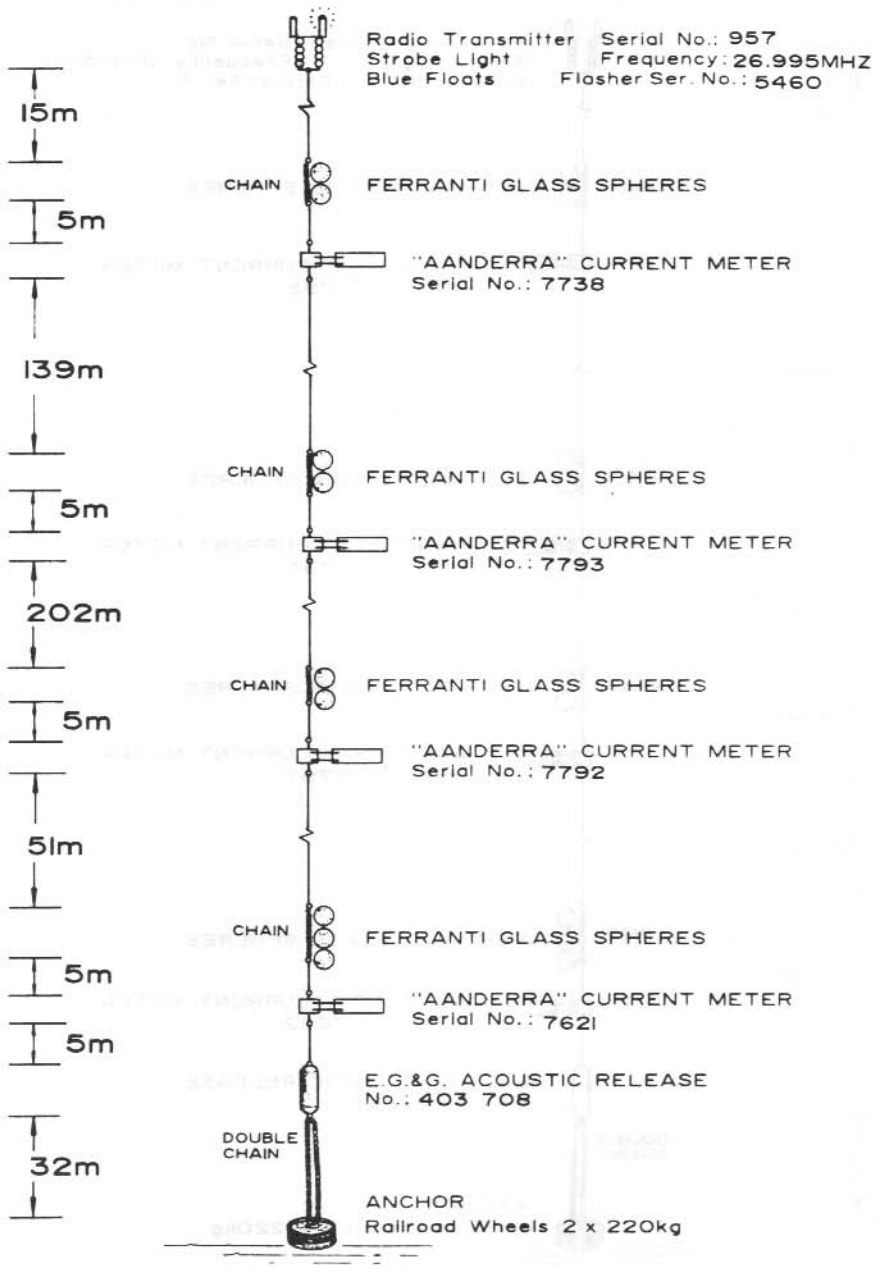
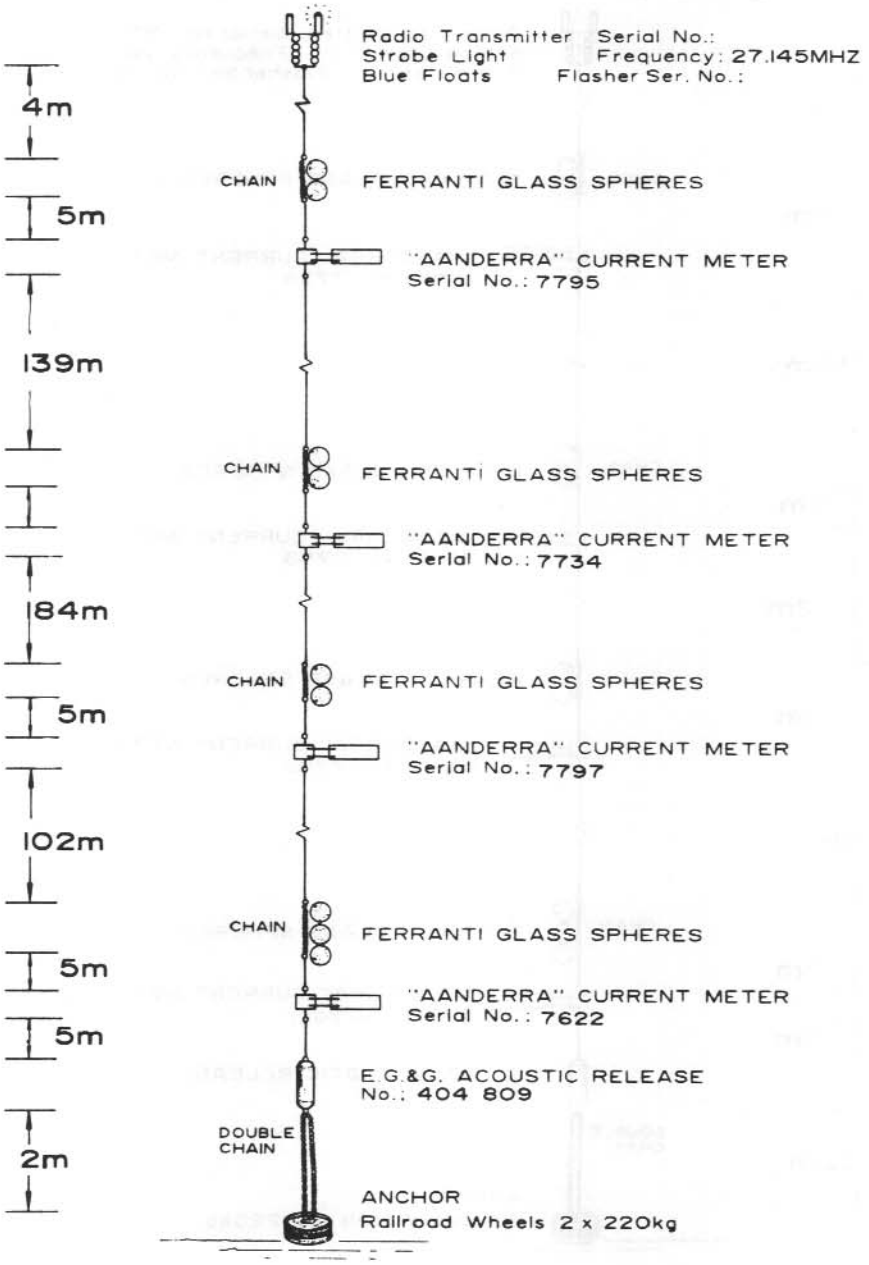
Appendix I. Current meter mooring diagrams



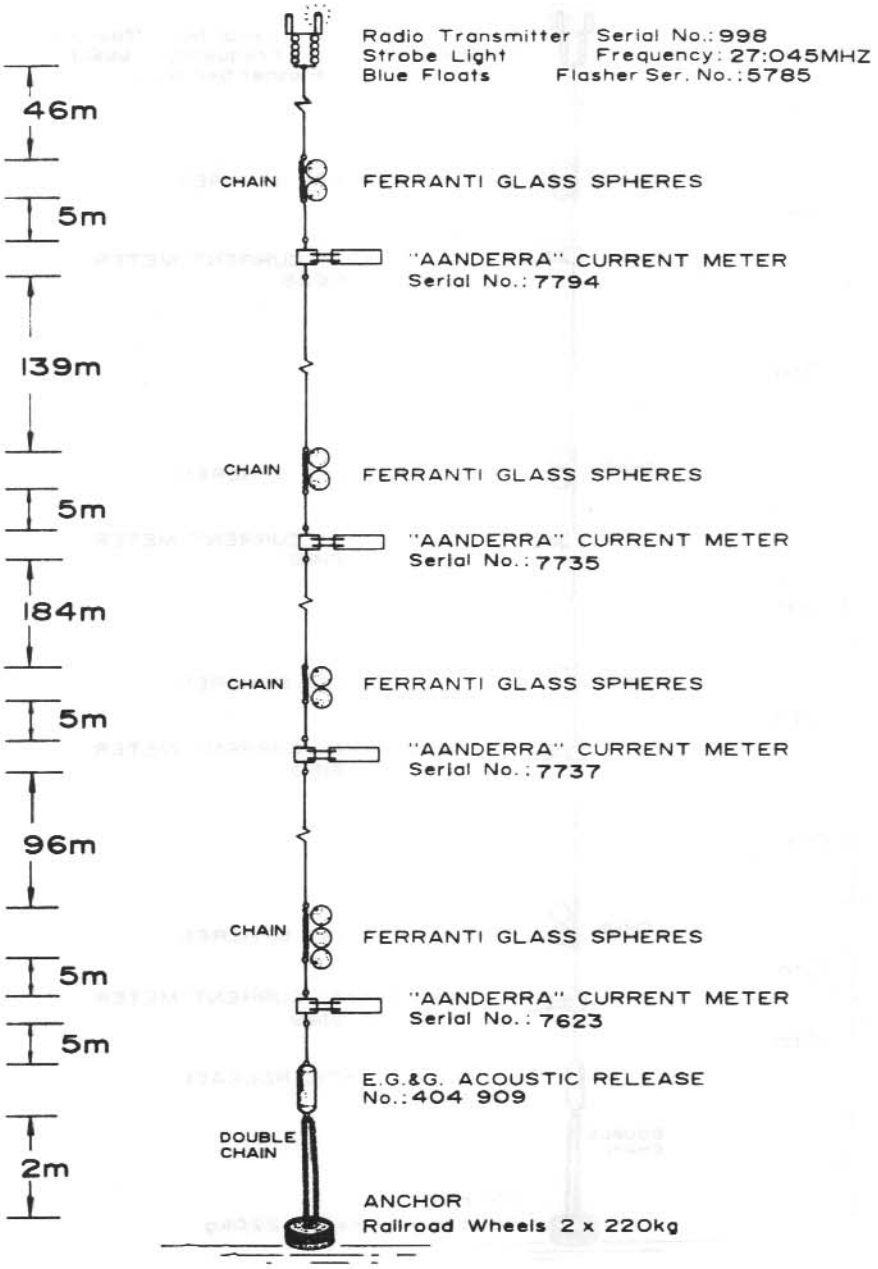
Mooring No. : 2 Date Deployed : 14/01/85

Bottom Depth : 650m app. Location : 68°30'1"S
72°57'1"E



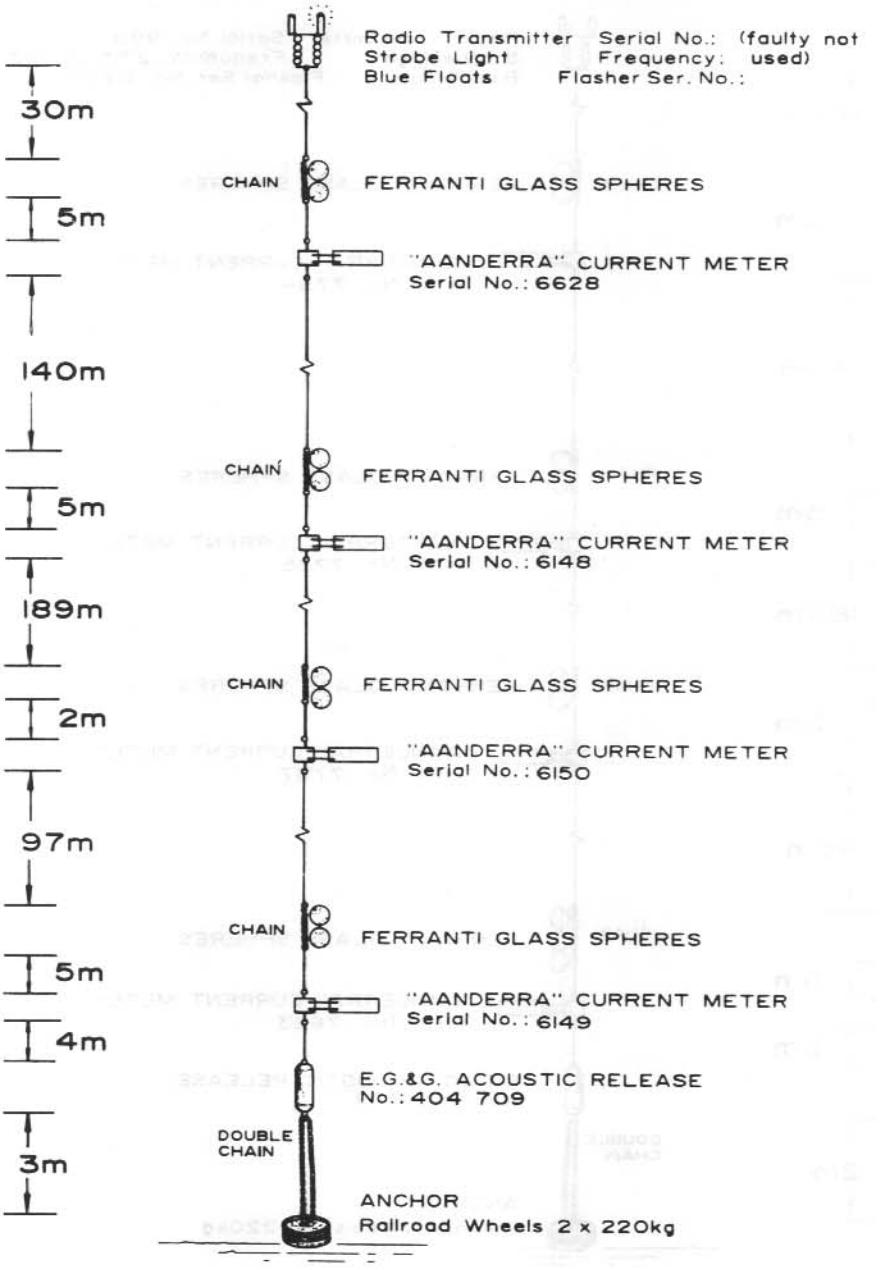
Mooring No. : 3 Date Deployed : 13/01/85

Bottom Depth : 600m app. Location : 68°31'3"S 76°29'4"E



Mooring No. : 4 Date Deployed : 26/02/85

Bottom Depth : 630m Location : 66°44'S 63°17'E



Appendix II. Sample of calibrated data file

```
Mooring 3, Prydz Bay, Antarctica
6148 6148     3    66 44.20    63 17.00 580.0 275.0 277.9  345    60        8255
GMT     1     0    27     2 1985
GMT    23     0     5     2 1986
```

DAYS	SPEED	DIRN	U.VEL	V.VEL	TEMP	PRESS	COND	SALIN	HR	MN	DY	MO	YR
.0000	11.2	289.8	-10.5	3.8	-1.57	285.94	27.51	34.56	1	0	27	2	85
.0417	16.6	290.5	-15.6	5.8	-1.57	285.94	27.51	34.56	2	0	27	2	85
.0833	10.8	272.0	-10.8	.4	-1.57	285.94	27.51	34.56	3	0	27	2	85
.1250	18.5	294.7	-16.8	7.7	-1.57	285.94	27.51	34.56	4	0	27	2	85
.1667	11.8	293.6	-10.8	4.7	-1.57	285.94	27.51	34.56	5	0	27	2	85
.2083	25.2	294.7	-22.9	10.5	-1.57	286.33	27.51	34.56	6	0	27	2	85
.2500	27.4	292.2	-25.4	10.4	-1.57	286.71	27.51	34.56	7	0	27	2	85
.2917	34.4	295.0	-31.1	14.5	-1.57	287.48	27.51	34.56	8	0	27	2	85
.3333	27.8	290.1	-26.1	9.6	-1.57	290.17	27.51	34.56	9	0	27	2	85
.3750	41.8	295.0	-37.9	17.7	-1.57	293.24	27.51	34.56	10	0	27	2	85
.4167	42.8	295.0	-38.7	18.1	-1.57	294.01	27.51	34.55	11	0	27	2	85
.4583	44.1	295.0	-39.9	18.6	-1.57	294.01	27.51	34.55	12	0	27	2	85
.5000	38.1	294.0	-34.8	15.5	-1.57	294.01	27.51	34.55	13	0	27	2	85
.5417	54.7	295.0	-49.6	23.1	-1.57	295.17	27.51	34.55	14	0	27	2	85
.5833	41.4	295.0	-37.6	17.5	-1.59	293.63	27.43	34.48	15	0	27	2	85
.6250	57.7	299.4	-50.3	28.3	-1.59	293.63	27.51	34.58	16	0	27	2	85
.6667	66.5	299.4	-57.9	32.6	-1.59	295.55	27.43	34.47	17	0	27	2	85
.7083	73.4	316.1	-50.8	52.9	-1.59	294.78	27.51	34.58	18	0	27	2	85
.7500	52.8	309.5	-40.8	33.6	-1.59	295.17	27.51	34.58	19	0	27	2	85
.7917	76.0	311.6	-56.8	50.5	-1.59	295.17	27.43	34.47	20	0	27	2	85
.8333	74.3	313.0	-54.3	50.7	-1.59	295.17	27.51	34.58	21	0	27	2	85
.8750	74.1	295.0	-67.2	31.4	-1.59	296.32	27.43	34.47	22	0	27	2	85
.9167	68.7	308.5	-53.8	42.7	-1.59	296.70	27.43	34.47	23	0	27	2	85
.9583	63.1	274.4	-62.9	4.9	-1.59	299.01	27.43	34.47	24	0	27	2	85
1.0000	81.0	288.4	-76.9	25.6	-1.59	301.31	27.51	34.58	1	0	28	2	85

HEADER INFORMATION

LINE 1: Station name + relevant details. (format a80)

LINE 2: Station number, meter number, tape number, Degrees of latitude, Minutes of latitude, Degrees of longitude, Minutes of longitude, Ocean depth, Instrument depth, Average pressure, number of days of data, interval between readings (minutes), number of records.
(Format 2(1x,A4),2I5,F6.2,I5,F6.2,3F6.1,2I5,I10)

LINE 3: Time zone, Time of first record (hours, minutes, day, month, year)
(Format 1x,a4,5I5)

LINE 4: Time zone, Time of last record (hours, minutes, day, month, year)
(Format 1x,a4,5I5)

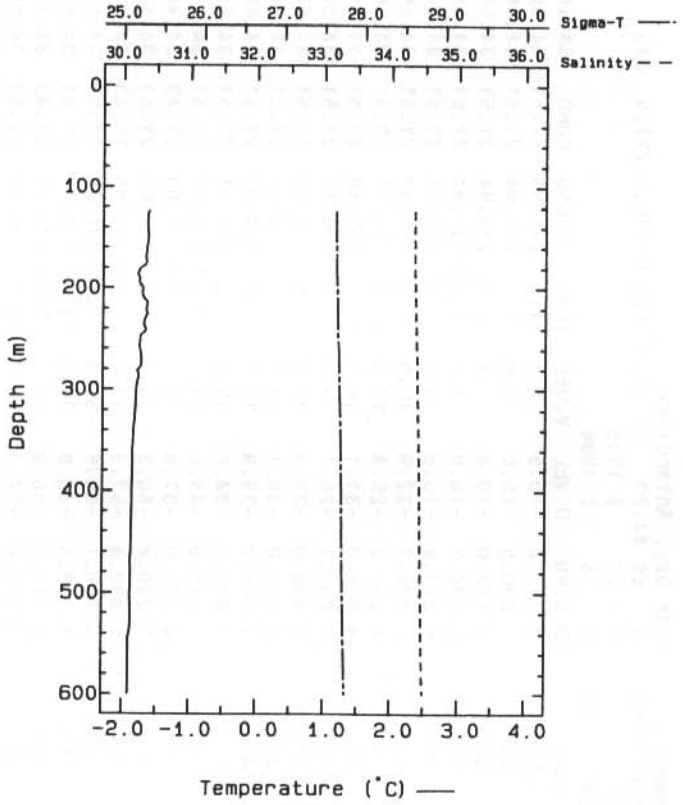
LINE 5: Labels for data columns
(Format A80)

LINE 6 TO END OF FILE ..... DATA.
Time elapsed (hours), Speed (cm/s), Direction (degrees), U Velocity (cm/s), V Velocity (cm/s), Temperature (degrees C), Pressure (metres of water), Conductivity (mmho), Salinity (parts per 1000) Date (hours, minutes, day, date, year)
(Format F8.4,F7.1,F6.1,2F7.1,4F7.2,5(1X,I2))

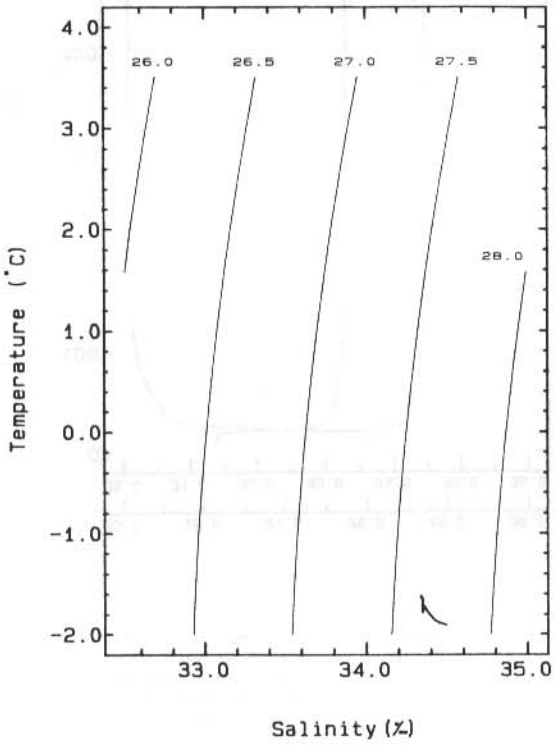
Date : 13 JAN 1985
Start Time : 1453 GMT
Ship : NELLA DAN
Position : 68:30.20S 76:30.90E
Cast Depth (m) : 610
Bottom Depth (m) : 640 m

Cruise: SIBEX2 Station: 27
13 JAN 1985 1453 GMT
Latitude : 68: 30.20S
Longitude: 76: 30.90E
Depth: CTD 610 m Bottom 640 m

Depth d bar	Temperature (deg C)	Salinity	Sigma-T
0			
5			
10			
15			
20			
25			
30			
35			
40			
45			
50			
60			
70			
75			
80			
90			
100			
124	-1.62	34.34	27.64
125	-1.63	34.34	27.64
150	-1.63	34.34	27.64
175	-1.66	34.35	27.65
200	-1.71	34.35	27.65
250	-1.75	34.38	27.67
300	-1.80	34.39	27.69
400	-1.86	34.43	27.72
500	-1.88	34.45	27.74
600	-1.91	34.49	27.77



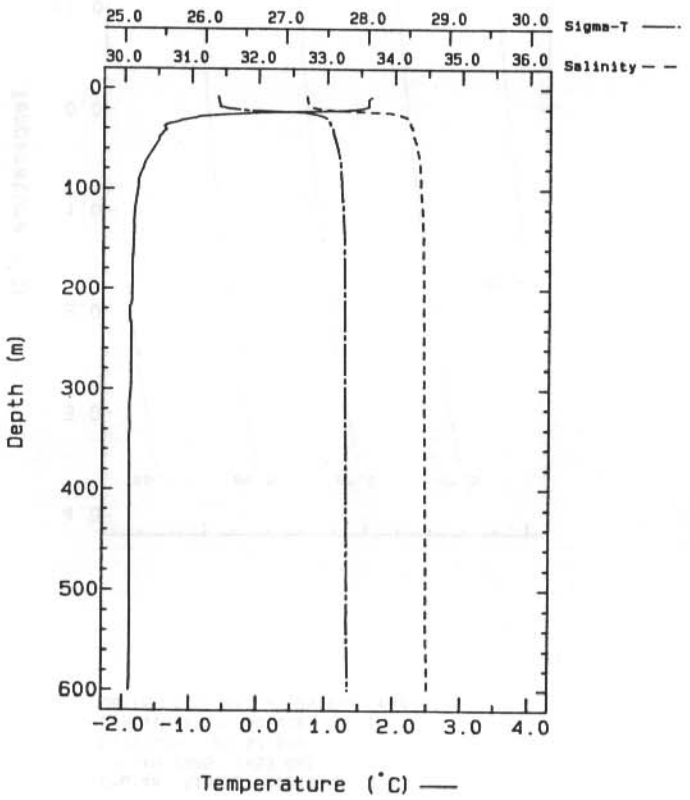
Cruise: SIBEX2 Station: 27
13 JAN 1985 1453 GMT
Latitude : 68: 30.20S
Longitude: 76: 30.90E
Depth: CTD 610 m Bottom 640 m



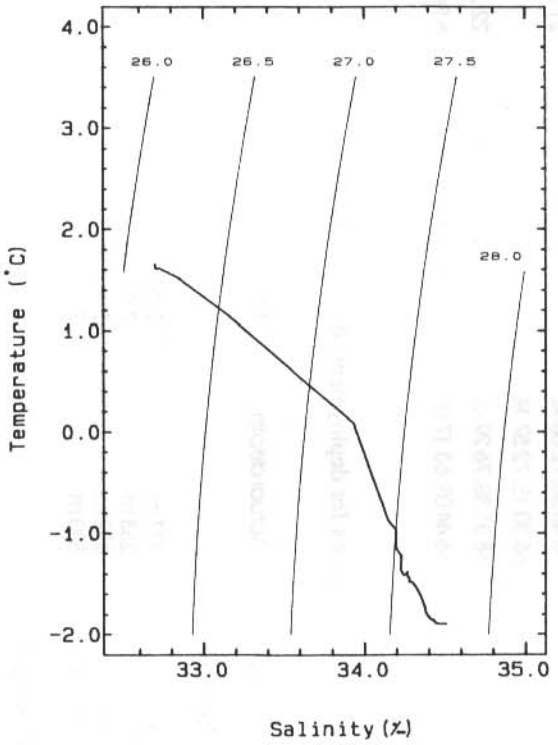
Date : 13 JAN 1985
Start Time : 2353 GMT
Ship : NELLA DAN
Position : 68:30.10S 73:00.40E
Cast Depth (m) : 652
Bottom Depth (m) : 668 m

Depth d bar	Temperature (deg C)	Salinity	Sigma-T
0			
5			
8	1.65	32.70	26.15
10	1.61	32.71	26.16
15	1.61	32.72	26.18
20	1.51	32.85	26.29
25	-0.20	34.00	27.31
30	-0.96	34.20	27.50
35	-1.29	34.23	27.54
40	-1.40	34.26	27.57
45	-1.44	34.27	27.58
50	-1.49	34.30	27.60
60	-1.57	34.33	27.63
70	-1.66	34.36	27.66
75	-1.70	34.37	27.66
80	-1.72	34.38	27.67
90	-1.78	34.38	27.68
100	-1.80	34.39	27.68
125	-1.85	34.41	27.70
150	-1.86	34.43	27.72
175	-1.87	34.43	27.72
200	-1.88	34.44	27.73
250	-1.88	34.44	27.73
300	-1.89	34.45	27.74
400	-1.90	34.47	27.75
500	-1.89	34.49	27.76
600	-1.90	34.51	27.78

Cruise: SIBEX2 Station: 28
13 JAN 1985 2353 GMT
Latitude : 68:30.10S
Longitude: 73:00.40E
Depth: CTD 652 m Bottom 668 m



Cruise: SIBEX2 Station: 28
13 JAN 1985 2353 GMT
Latitude : 68: 30.10S
Longitude: 73: 00.40E
Depth: CTD 652 m Bottom 668 m



Appendix IV. Mooring details for 1984-86

Moorings deployed during 1984-85 season and retrieved during 1985-86 season

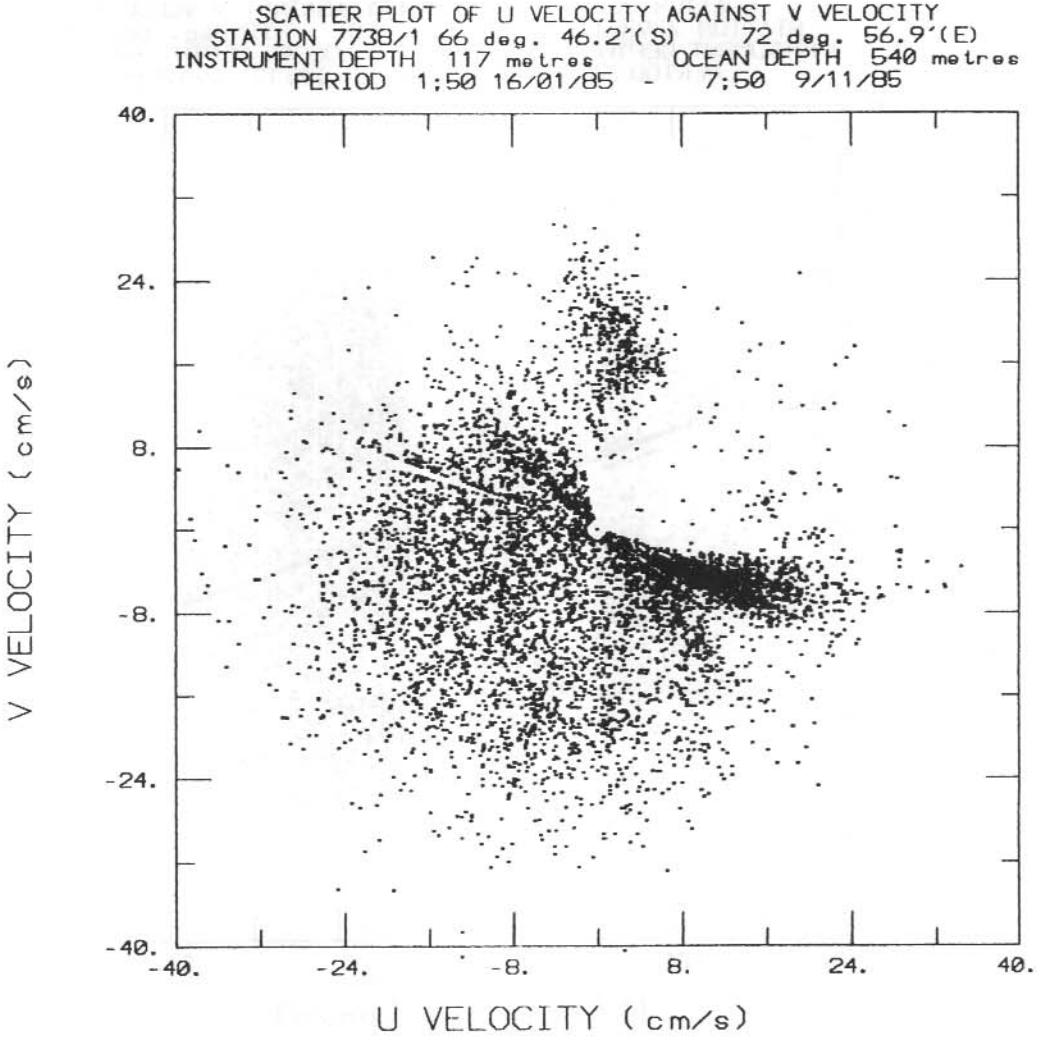
Mooring no.	*Position*	*Deploy*	*Retrieve*	*Depth*
1	66 46.3S, 72 56.9E	15 January 1985	21 January 1986	540 m
2	68 30.1S, 72 57.1E	14 January 1985		640 m
3	68 31.3S, 76 29.4E	13 January 1985	22 January 1986	640 m
4	66 44.0S, 63 17.0E	26 January 1985	6 February 1986	630 m

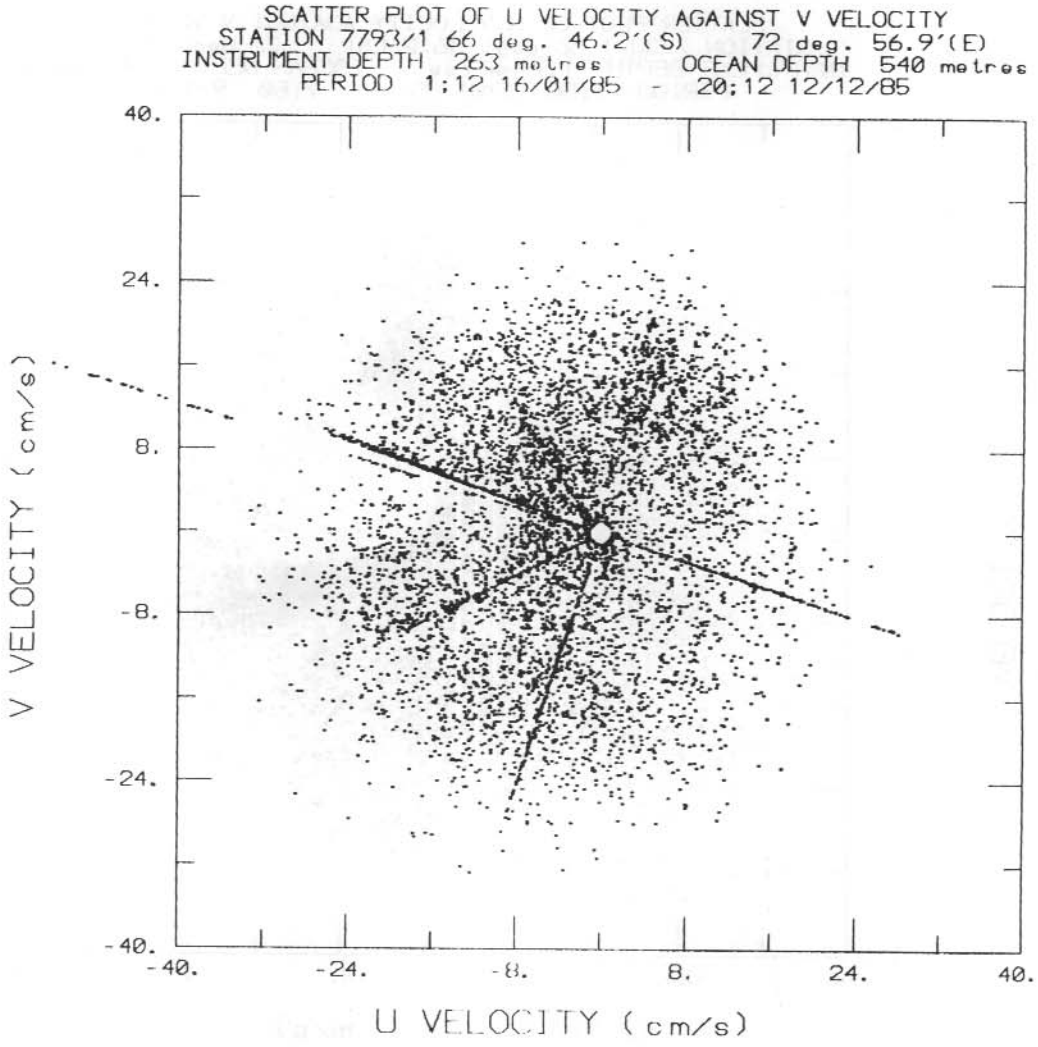
Instrument positions for deployments during 1984-85

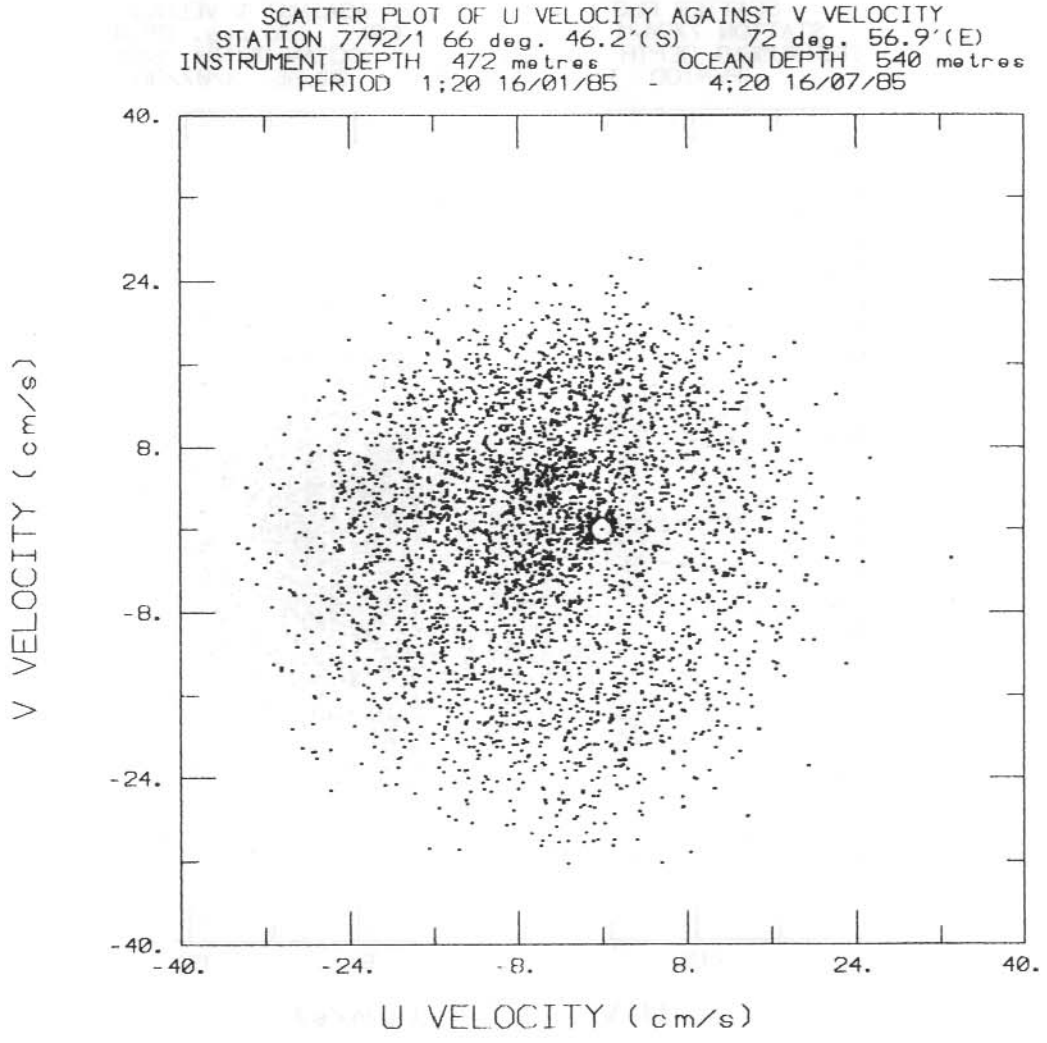
Plan depth	*Actual depth*	*Meter no.*
Mooring 1		
200 m	117 m	7738
350 m	263 m	7792
500 m	472 m	7792
bottom	530 m	7621
Mooring 2		
200 m	2894 m	
350 m	440 m	
500 m	531 m	
bottom	640 m	7622
Mooring 3		
200 m	150 m	7794
350 m	296 m	7735
500 m	487 m	7737
bottom	590 m	7623
Mooring 4		
200 m	178 m	6628
350 m	325 m	6148
500 m	516 m	6150
bottom	620 m	6149

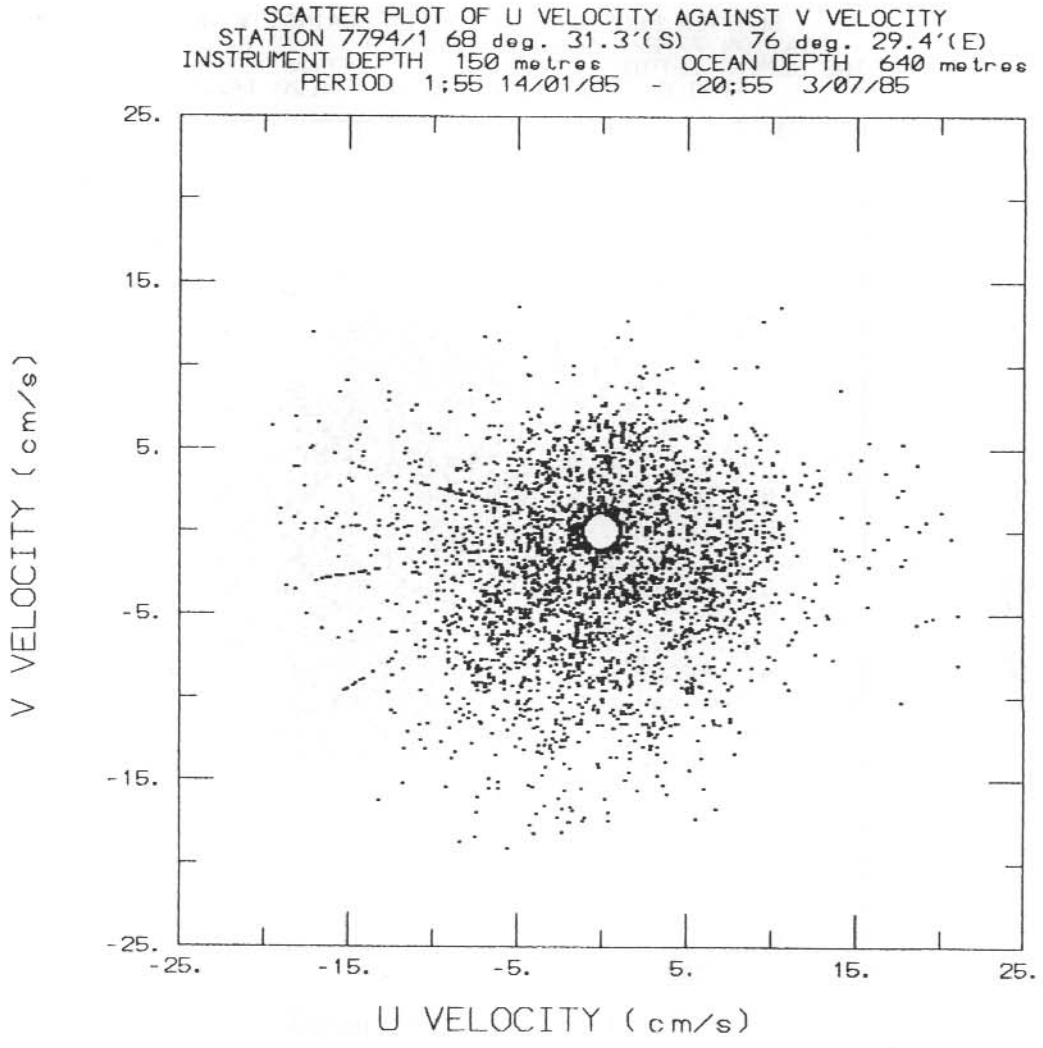
Appendix V. Scatter plots for current meter data

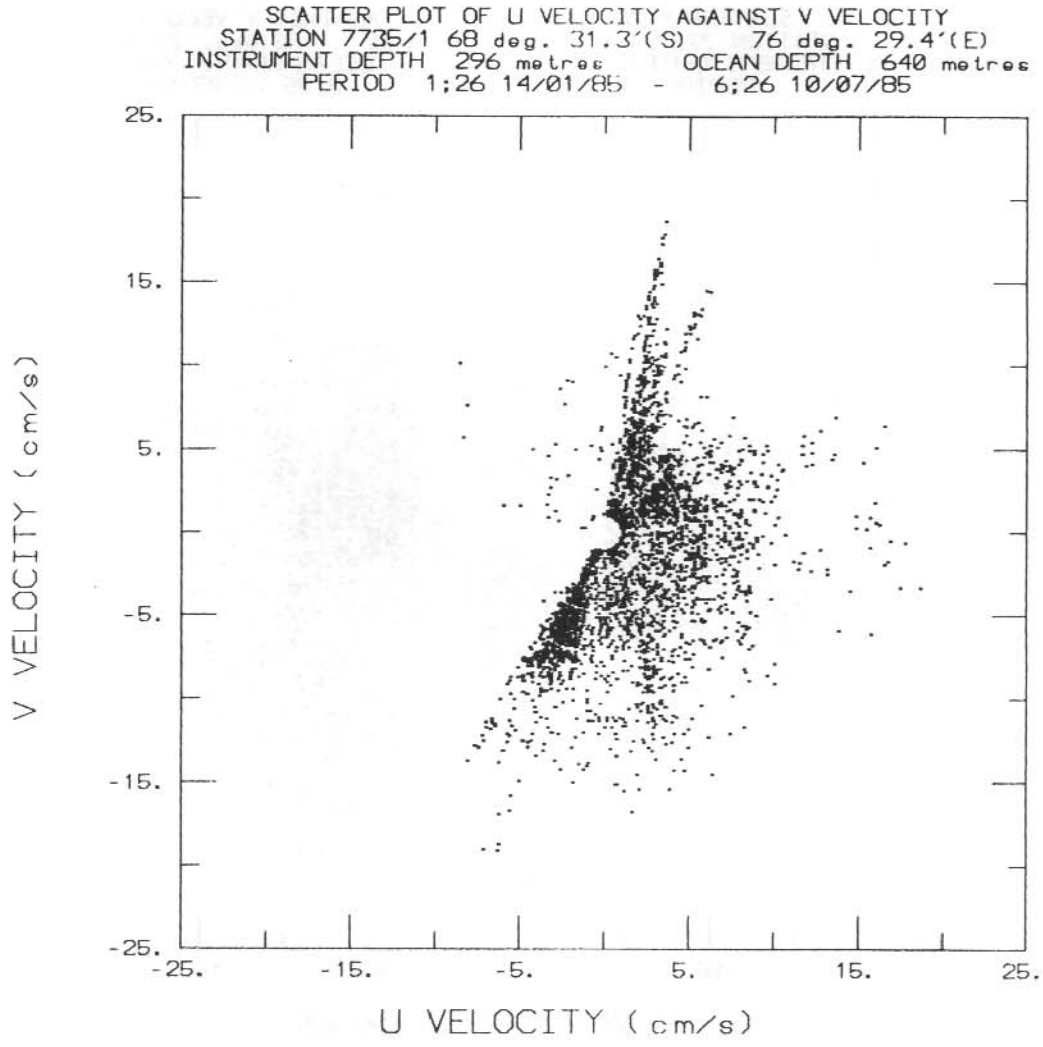
Plots are arranged in order of moorings (1,3,4) and within these sections, from the shallowest to the deepest current meter.

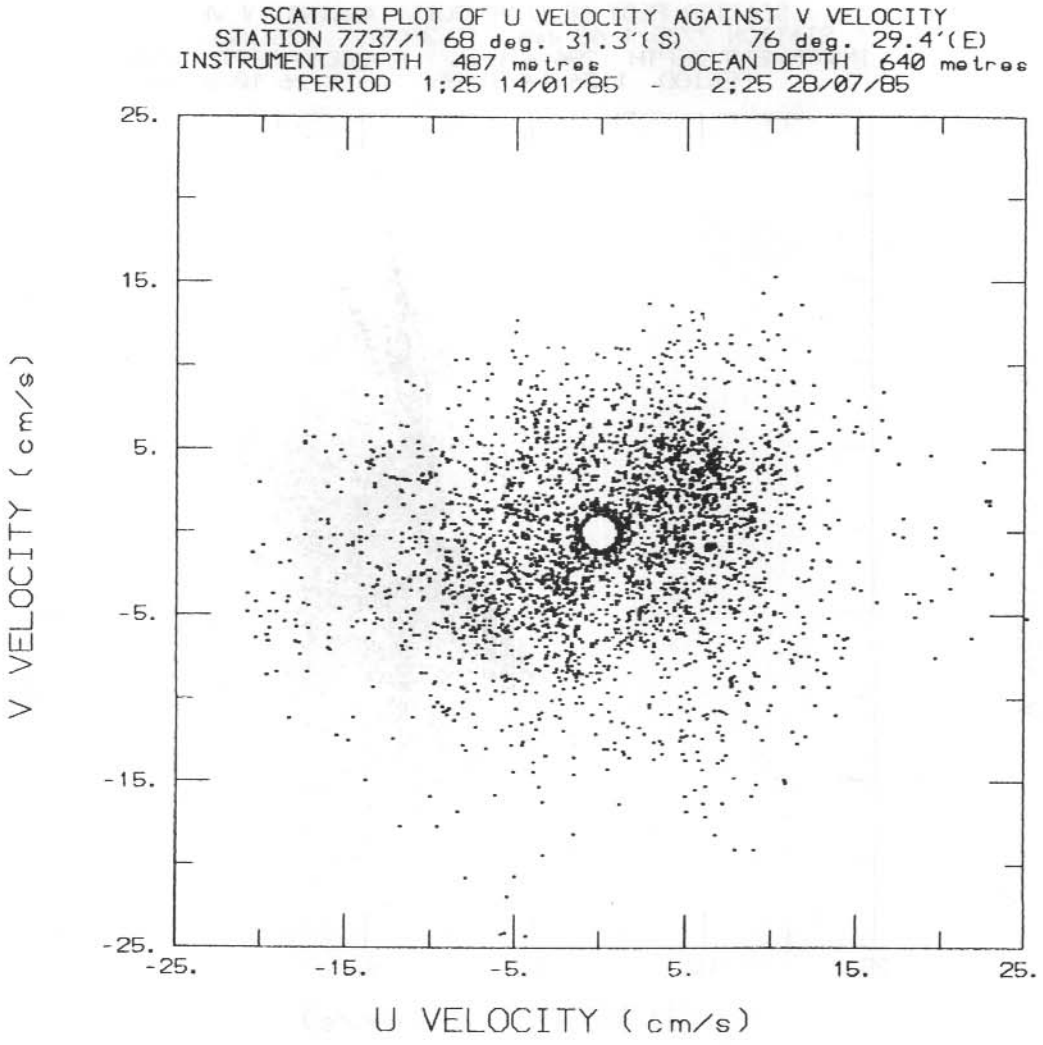


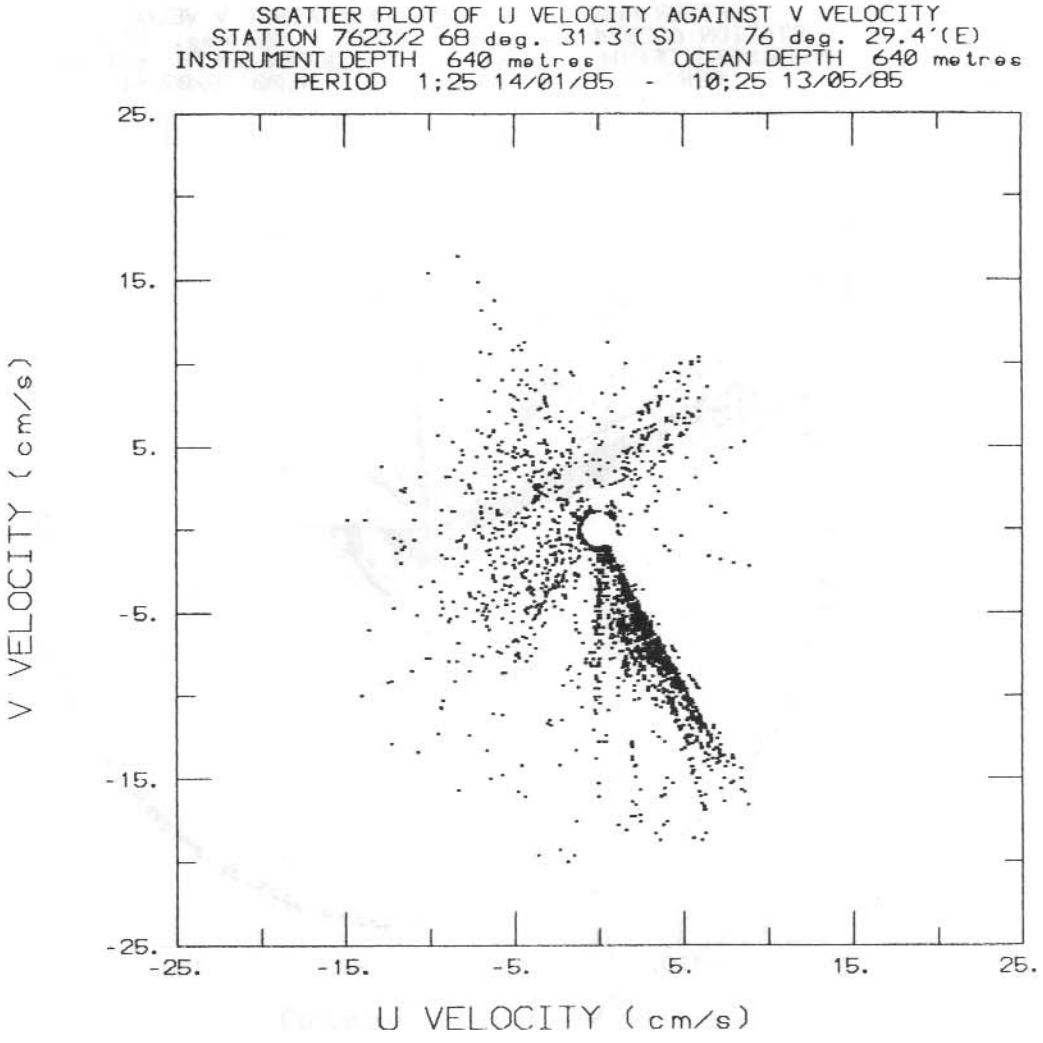

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 7793/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 263 metres OCEAN DEPTH 540 metres
PERIOD 1;12 16/01/85 - 20;12 12/12/85
40.
24.
8.
-8.
-24.
-40.
V VELOCITY (cm/s)
-40.
-24.
-8.
8.
24.
40.
U VELOCITY (cm/s)

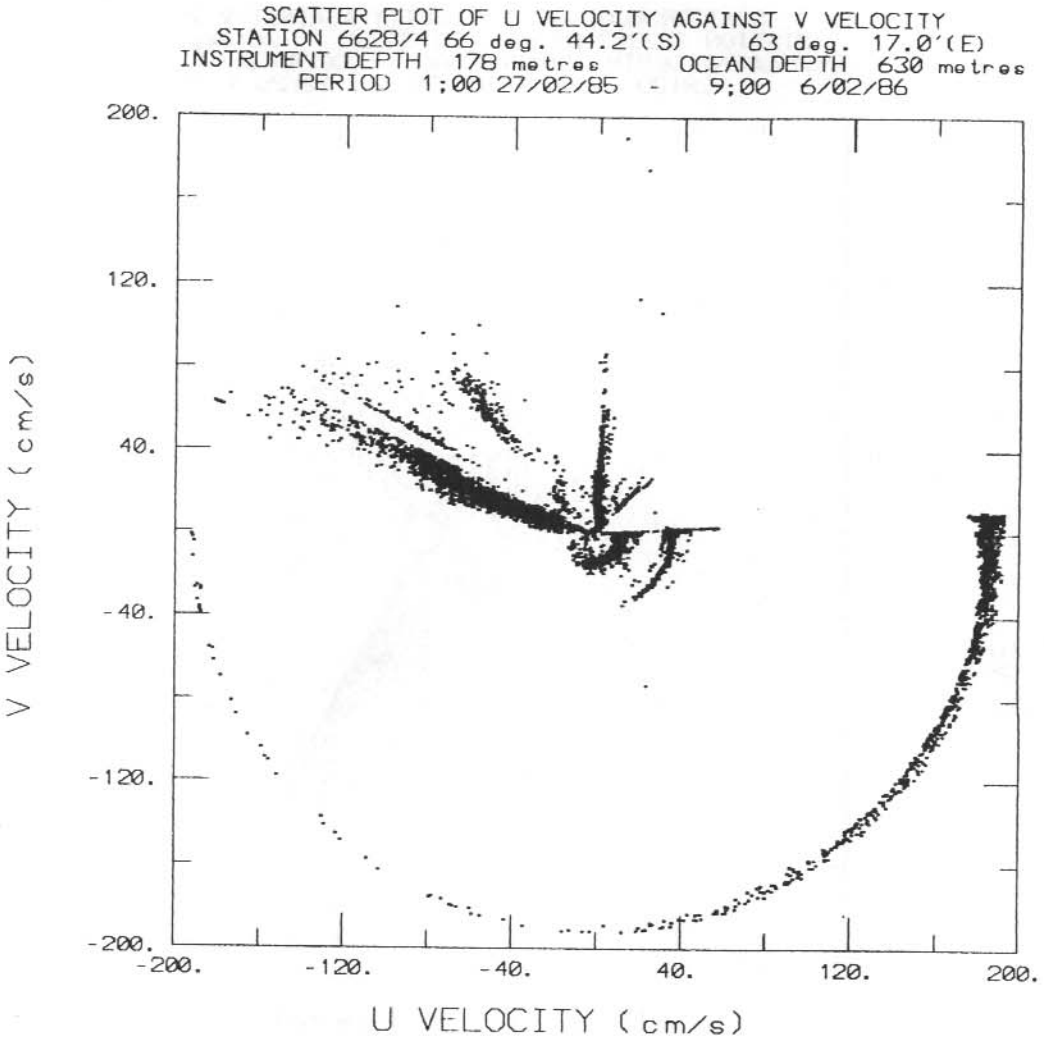

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 7792/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 472 metres OCEAN DEPTH 540 metres
PERIOD 1:20 16/01/85 - 4:20 16/07/85
40.
24.
8.
-8.
-24.
-40.
V VELOCITY (cm/s)
-40.
-24.
-8.
8.
24.
40.
U VELOCITY (cm/s)

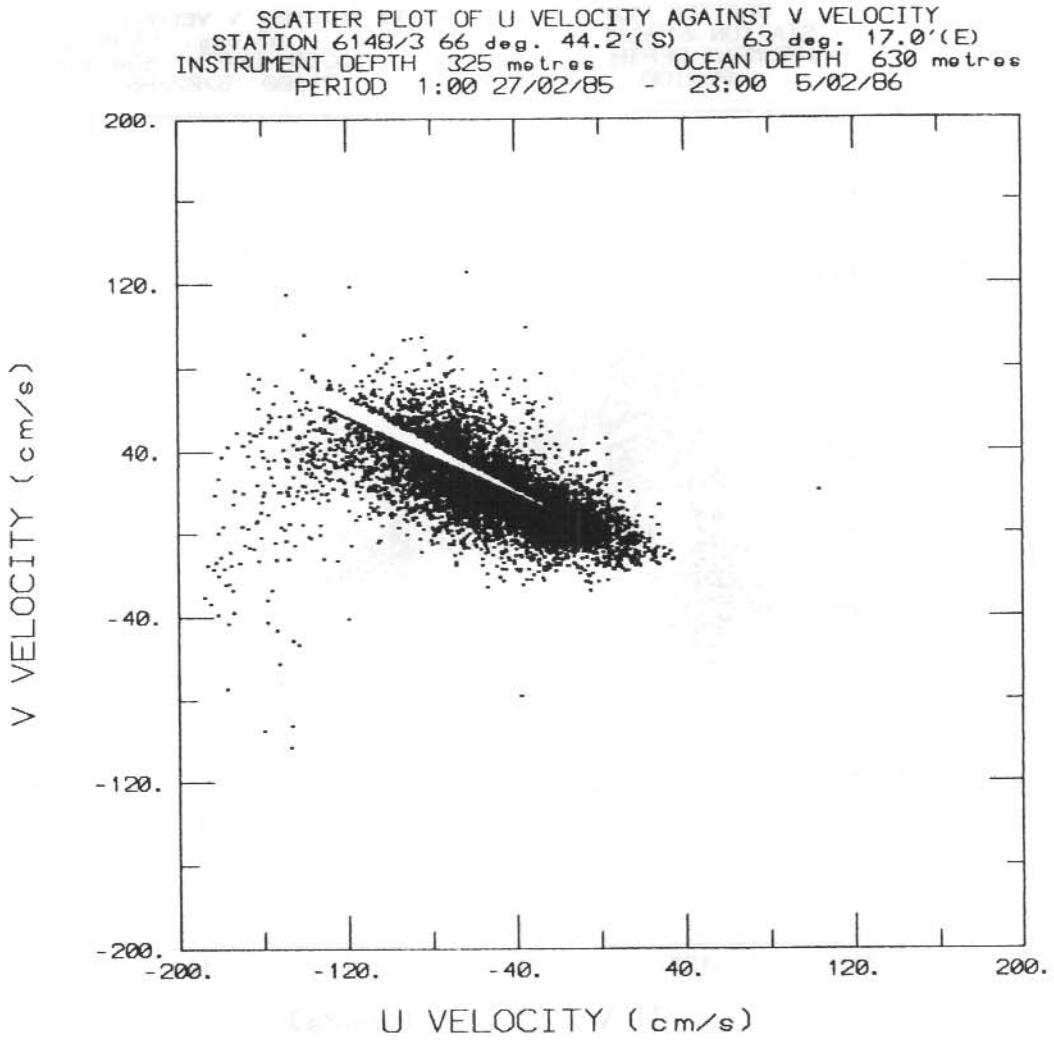

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 7794/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 150 metres OCEAN DEPTH 640 metres
PERIOD 1;55 14/01/85 - 20;55 3/07/85
25.
15.
5.
-5.
-15.
-25.
V VELOCITY (cm/s)
-25.
-15.
-5.
5.
15.
25.
U VELOCITY (cm/s)

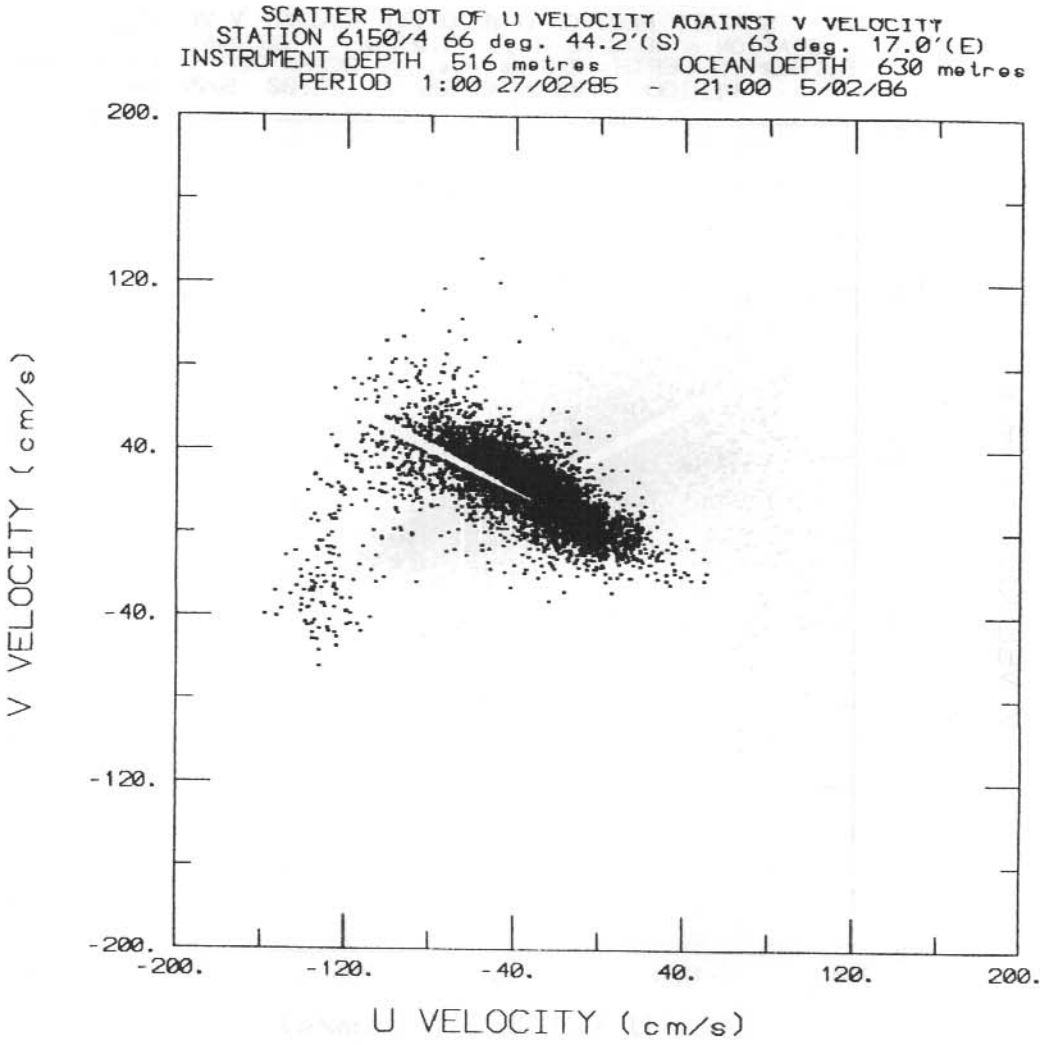

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 7735/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 296 metres OCEAN DEPTH 640 metres
PERIOD 1;26 14/01/85 - 6;26 10/07/85
V VELOCITY (cm/s)
U VELOCITY (cm/s)
25.
15.
5.
-5.
-15.
-25.
-25.
-15.
-5.
5.
15.
25.

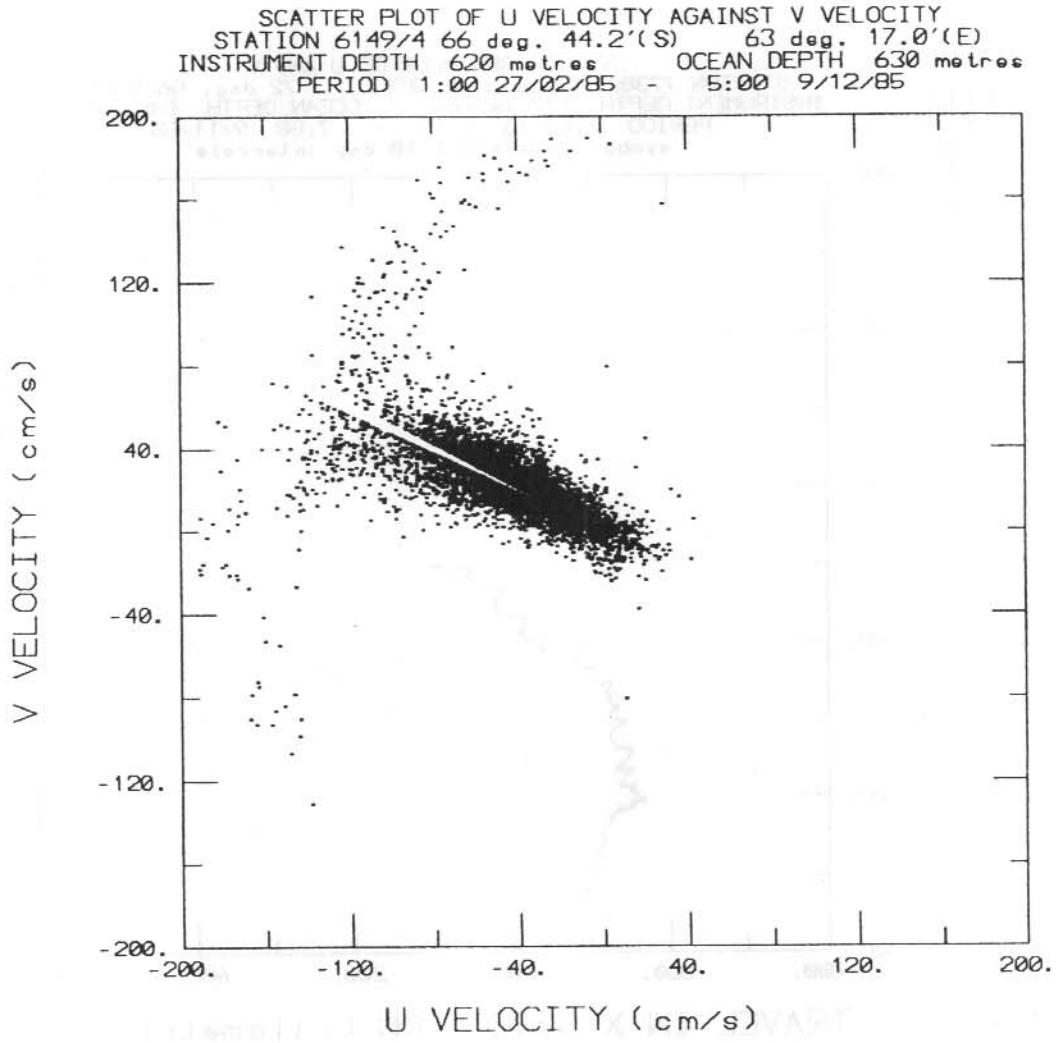

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 7737/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 487 metres OCEAN DEPTH 640 metres
PERIOD 1;25 14/01/85 - 2;25 28/07/85
25.
15.
5.
-5.
-15.
-25.
-25.
-15.
-5.
5.
15.
25.
V VELOCITY (cm/s)
U VELOCITY (cm/s)


SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 7623/2 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 640 metres OCEAN DEPTH 640 metres
PERIOD 1;25 14/01/85 - 10;25 13/05/85
25.
15.
5.
-5.
-15.
-25.
V VELOCITY (cm/s)
-25.
-15.
-5.
5.
15.
25.
U VELOCITY (cm/s)


SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 6628/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 178 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 9:00 6/02/86
200.
120.
40.
-40.
-120.
-200.
V VELOCITY (cm/s)
-200.
-120.
-40.
40.
120.
200.
U VELOCITY (cm/s)

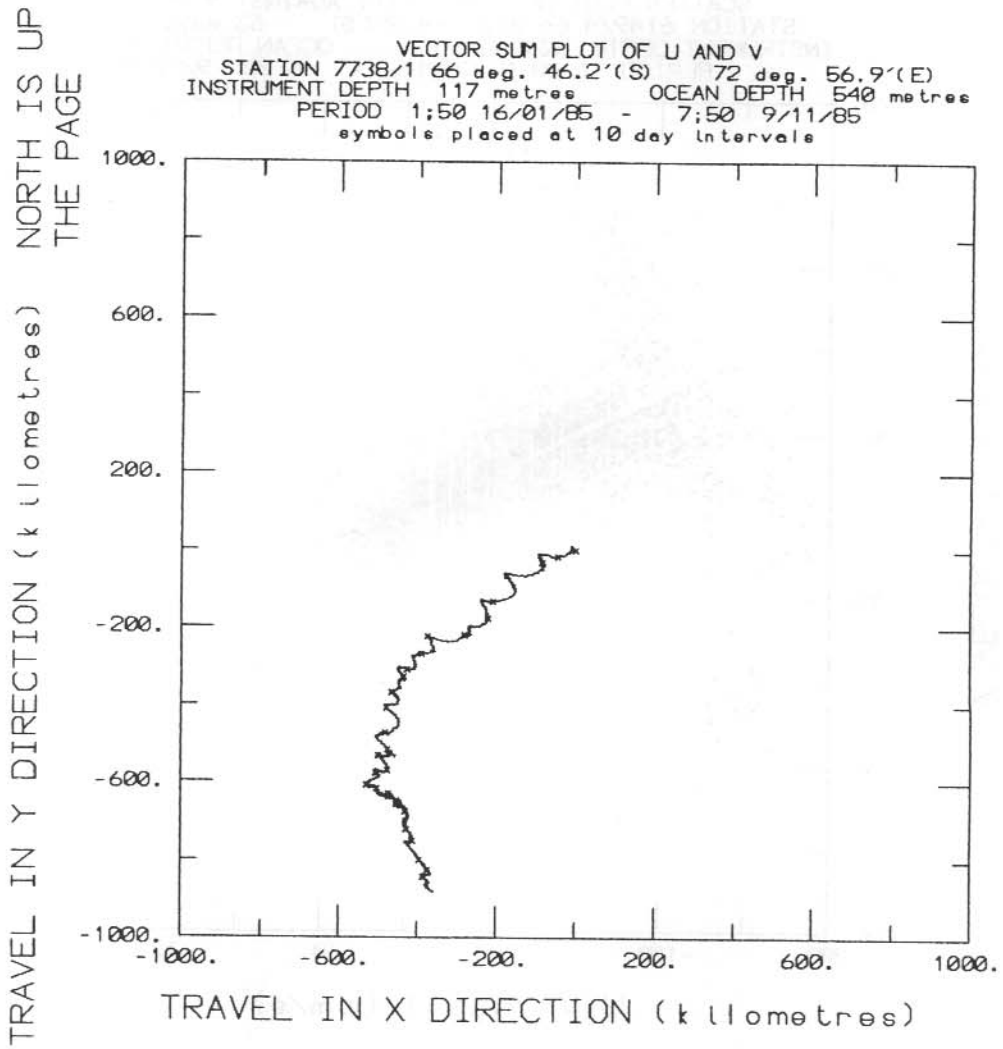

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 6148/3 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 325 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 23:00 5/02/86
200.
120.
40.
-40.
-120.
-200.
V VELOCITY (cm/s)
-200.
-120.
-40.
40.
120.
200.
U VELOCITY (cm/s)

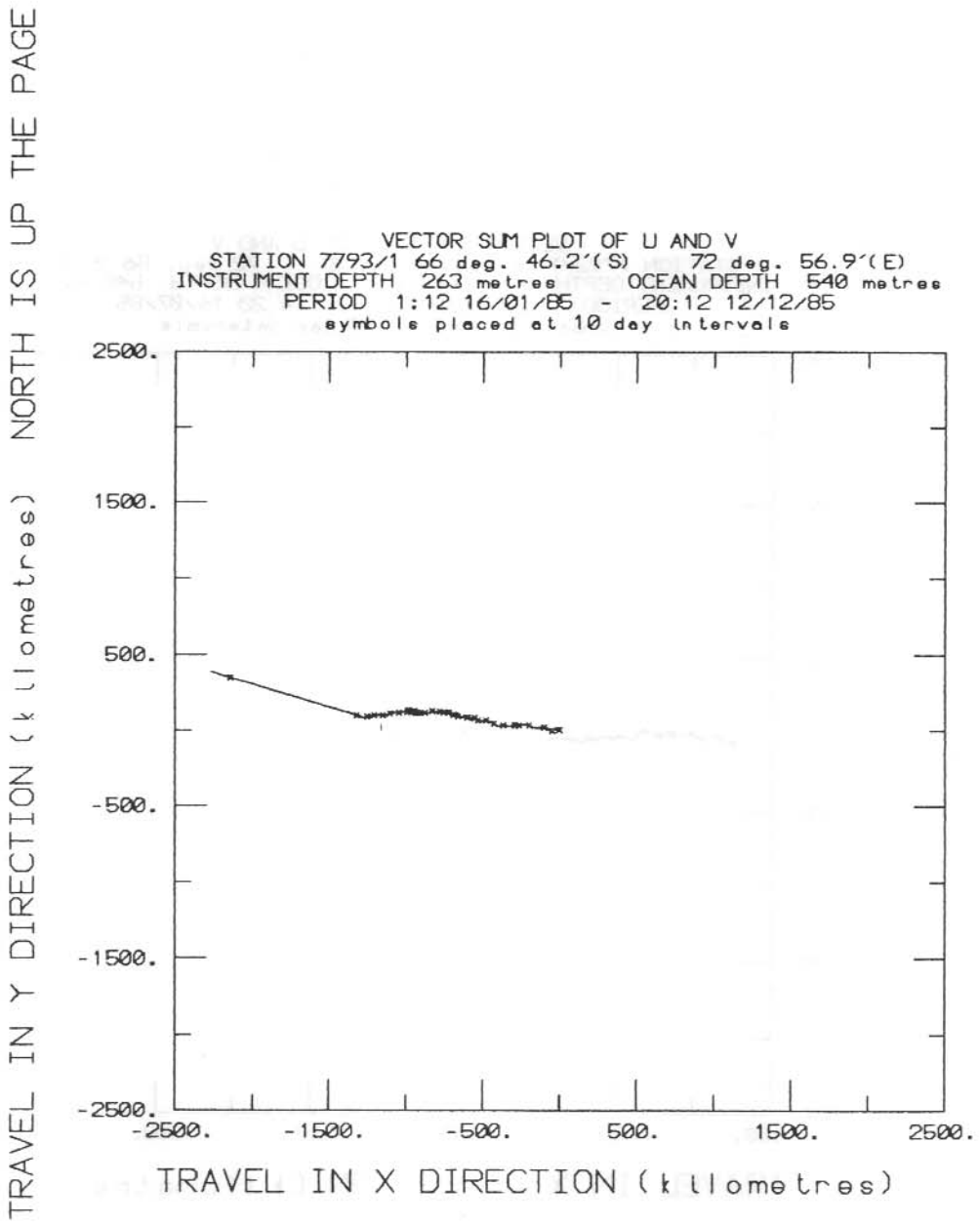

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 6150/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 516 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 21:00 5/02/86
200.
120.
40.
-40.
-120.
-200.
-200.
-120.
-40.
40.
120.
200.
V VELOCITY (cm/s)
U VELOCITY (cm/s)

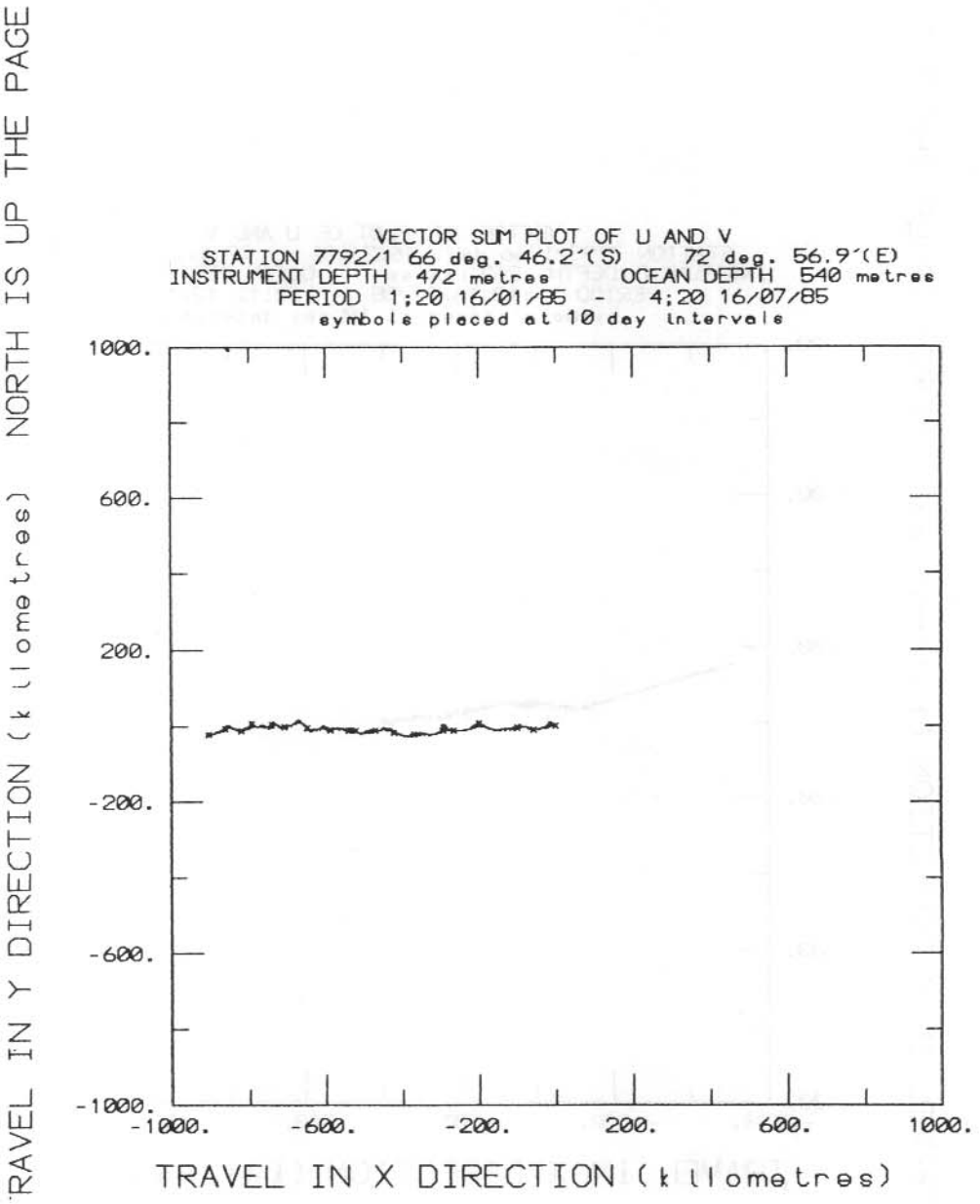

SCATTER PLOT OF U VELOCITY AGAINST V VELOCITY
STATION 6149/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 620 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 5:00 9/12/85
200.
120.
40.
-40.
-120.
-200.
V VELOCITY (cm/s)
-200.
-120.
-40.
40.
120.
200.
U VELOCITY (cm/s)

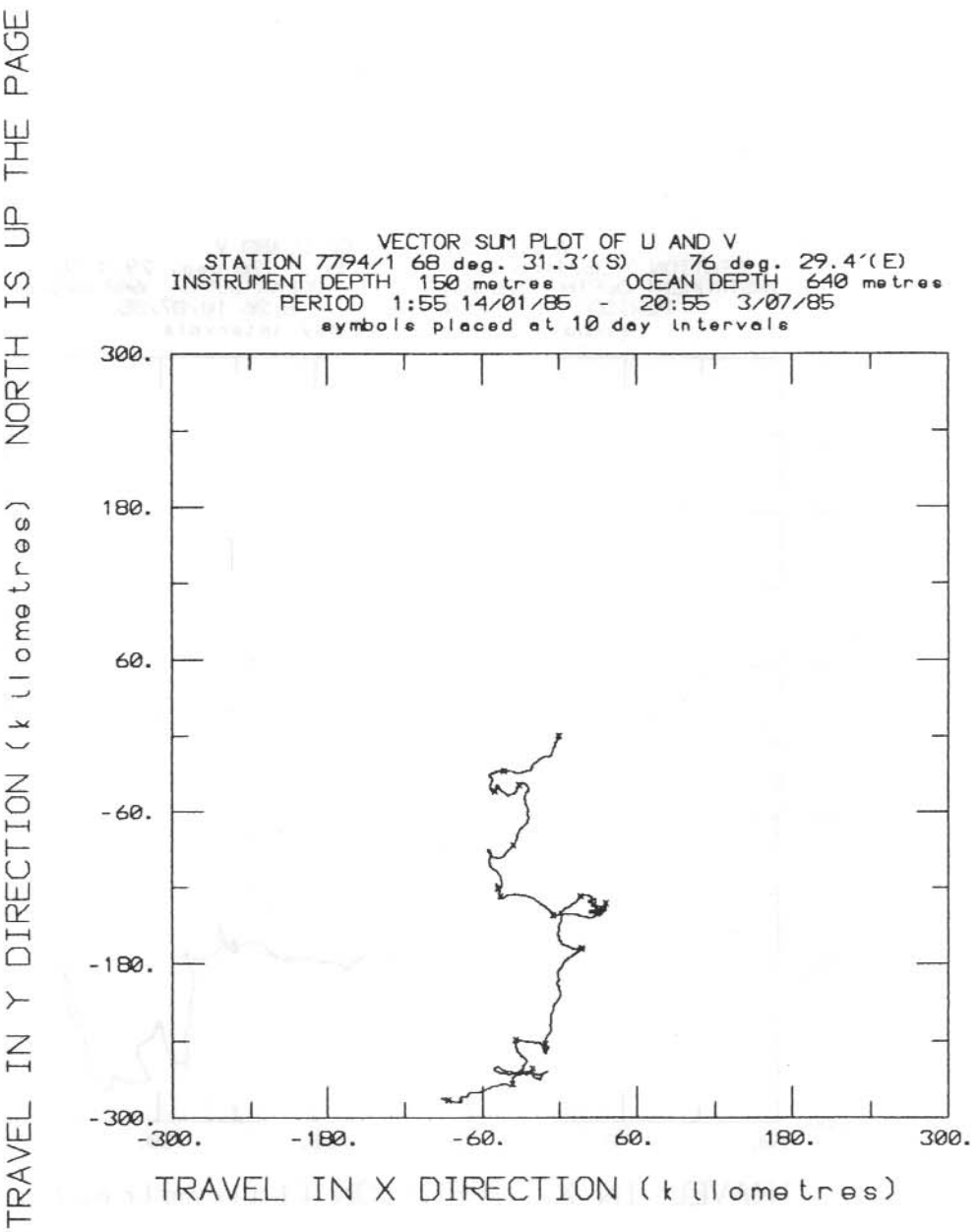
Appendix VI. Progressive vector plots

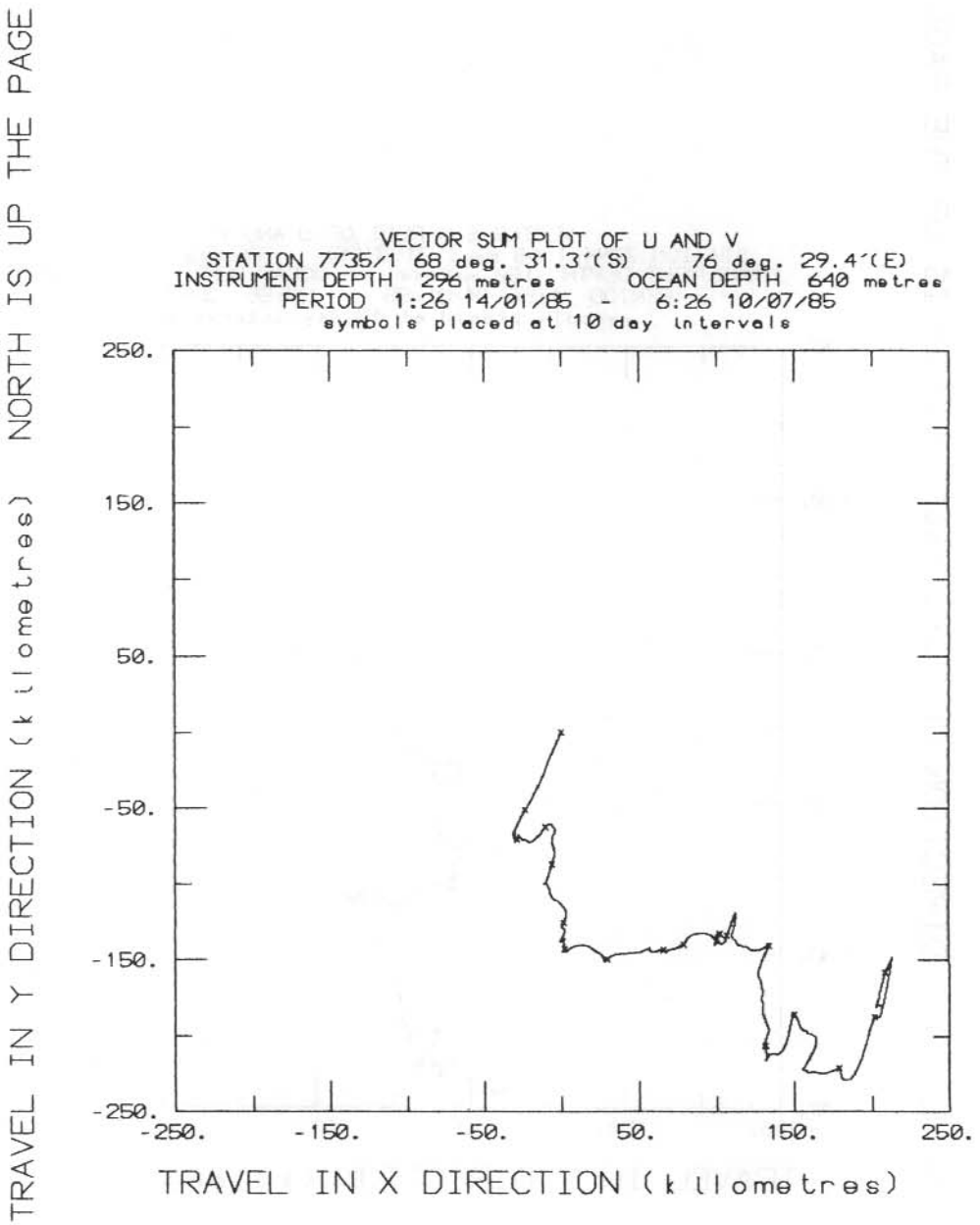
Plots are arranged in order of moorings (1,3,4) and within these sections, from the shallowest to the deepest current meter.

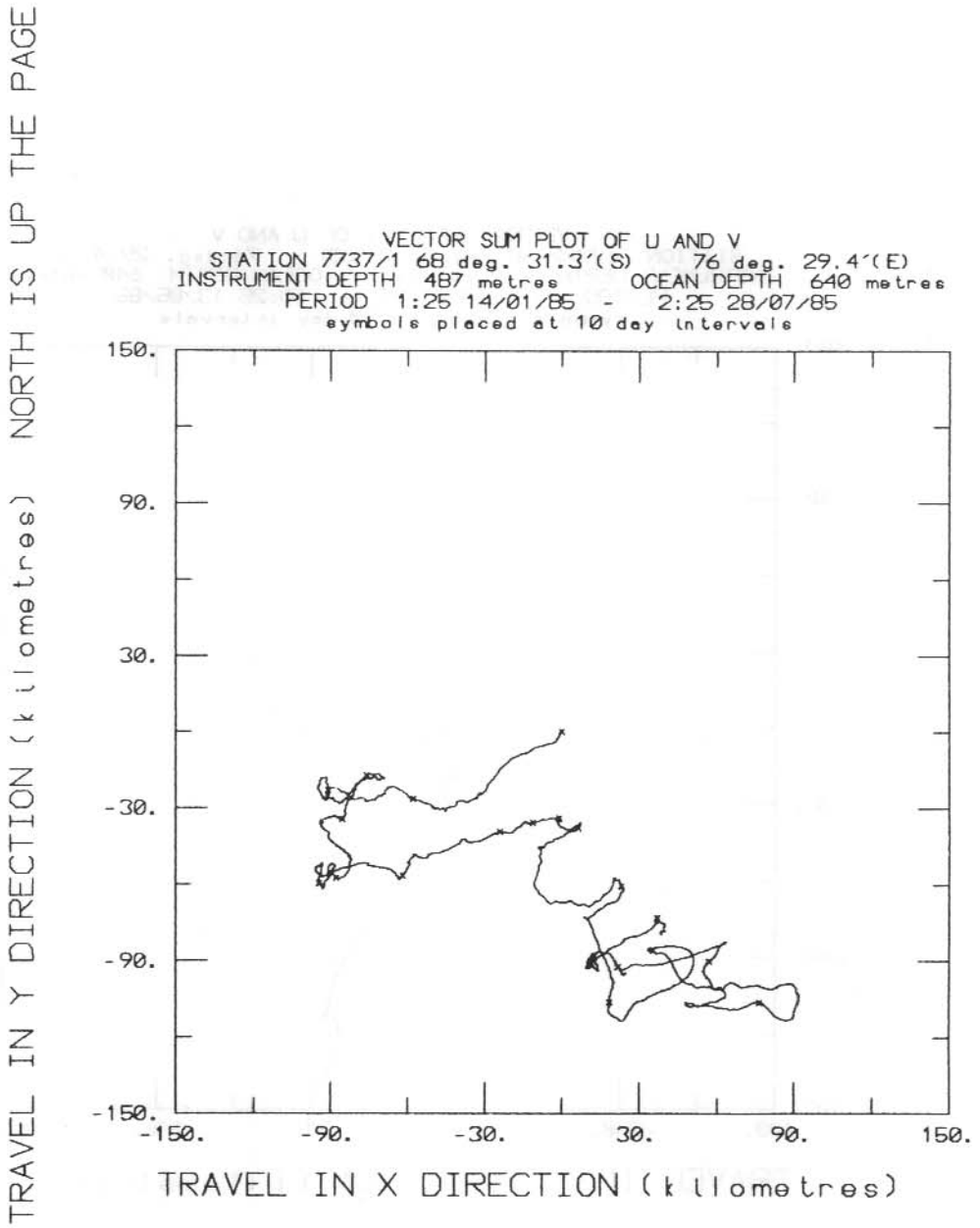


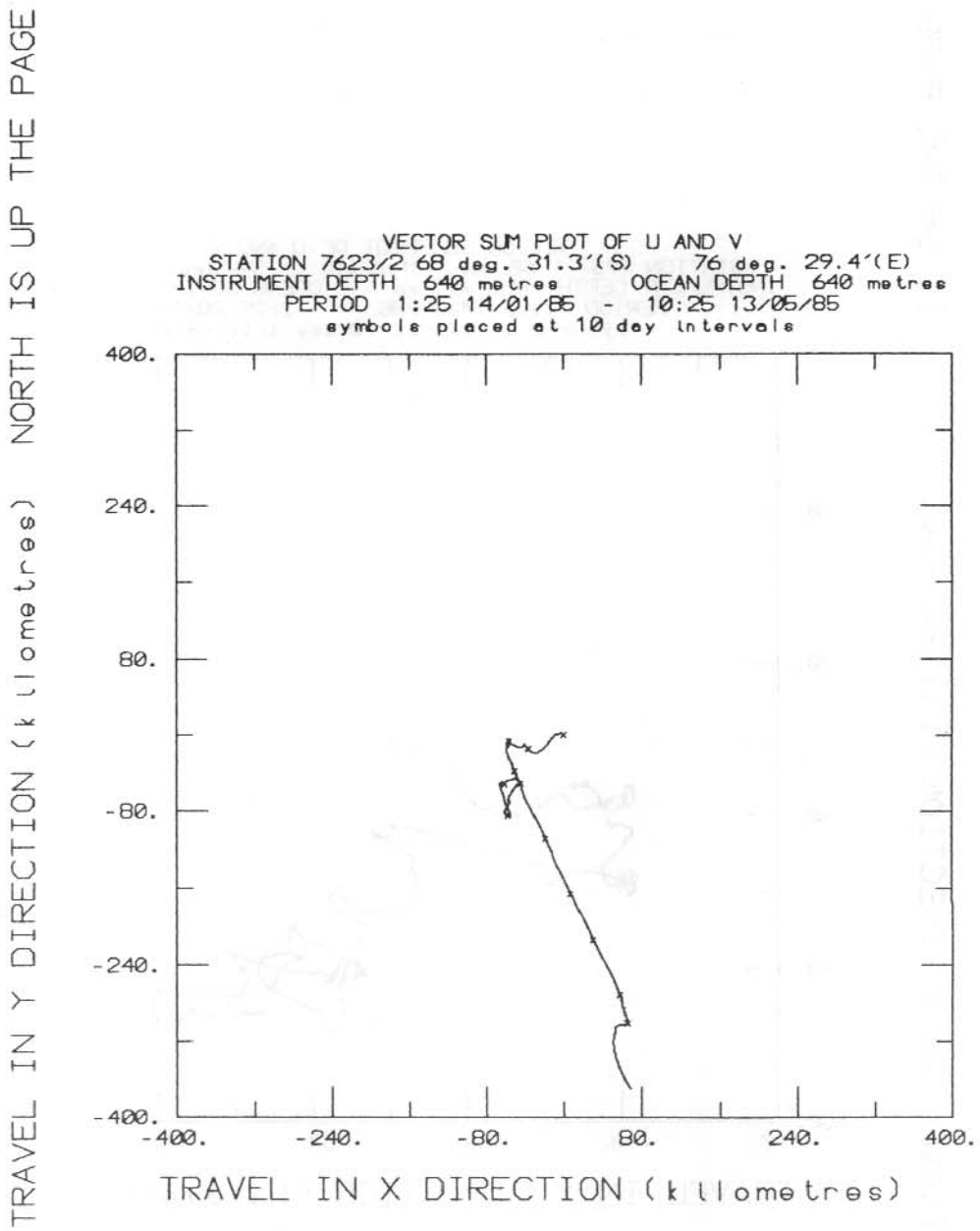

VECTOR SUM PLOT OF U AND V
STATION 7793/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 263 metres OCEAN DEPTH 540 metres
PERIOD 1:12 16/01/85 - 20:12 12/12/85
symbols placed at 10 day intervals
2500.
1500.
500.
-500.
-1500.
-2500.
-2500.
-1500.
-500.
500.
1500.
2500.
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
TRAVEL IN X DIRECTION (kilometres)

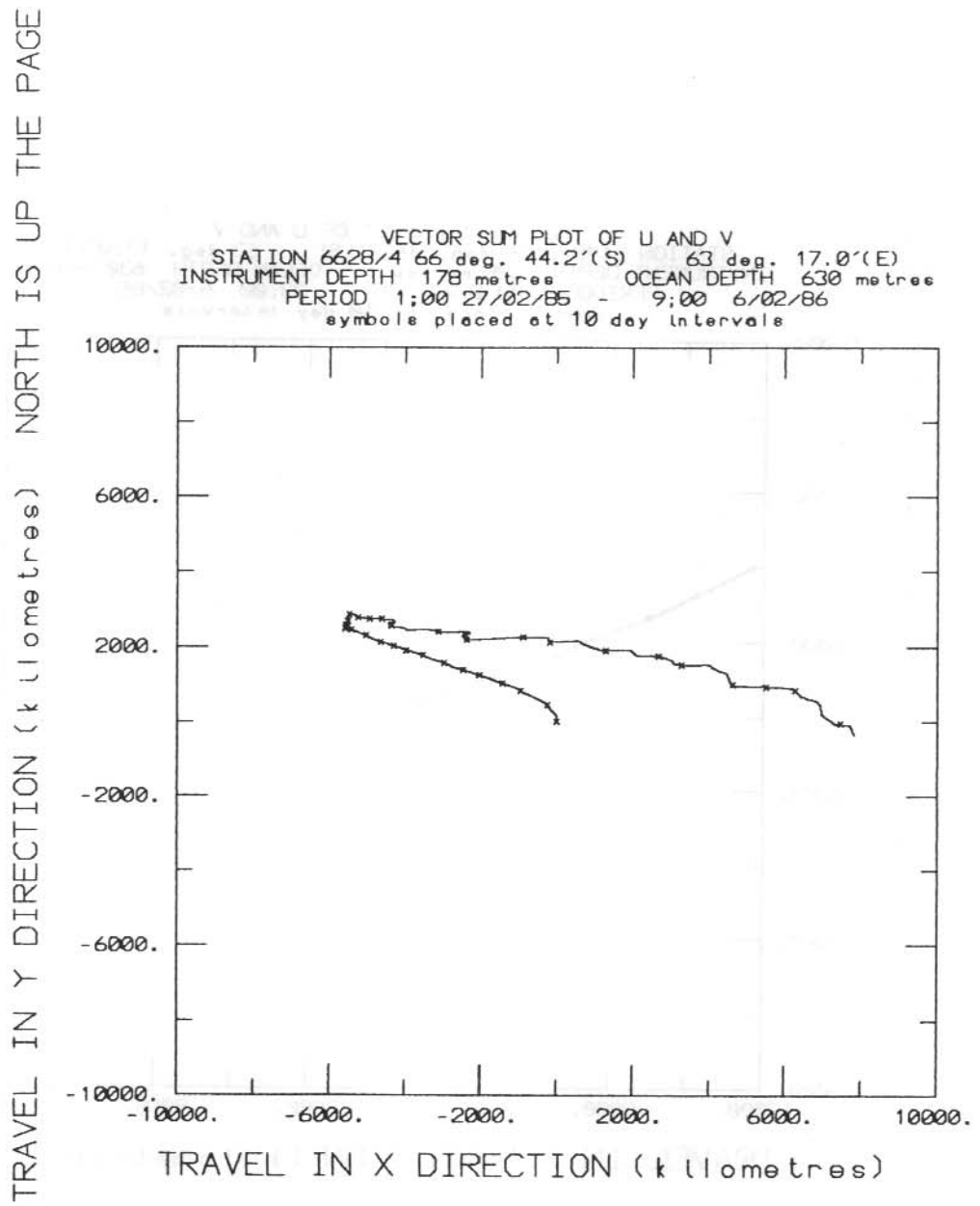

VECTOR SUM PLOT OF U AND V
STATION 7792/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 472 metres OCEAN DEPTH 540 metres
PERIOD 1;20 16/01/85 - 4;20 16/07/85
symbols placed at 10 day intervals
1000.
600.
200.
-200.
-600.
-1000.
-1000.
-600.
-200.
200.
600.
1000.
TRAVEL IN X DIRECTION (kilometres)
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE

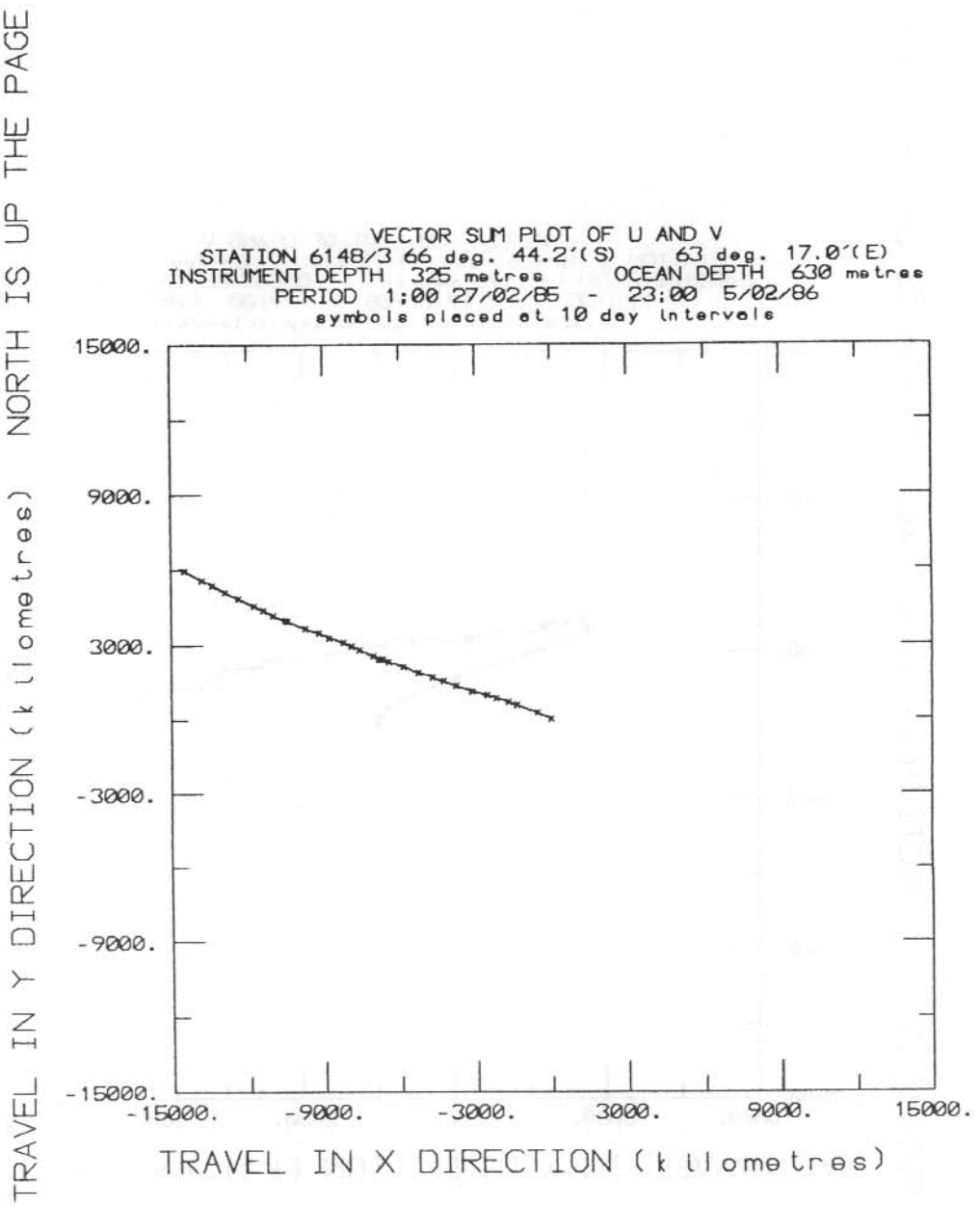

VECTOR SUM PLOT OF U AND V
STATION 7794/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 150 metres OCEAN DEPTH 640 metres
PERIOD 1:55 14/01/85 - 20:55 3/07/85
symbols placed at 10 day intervals
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
300.
180.
60.
-60.
-180.
-300.
-300.
-180.
-60.
60.
180.
300.
TRAVEL IN X DIRECTION (kilometres)

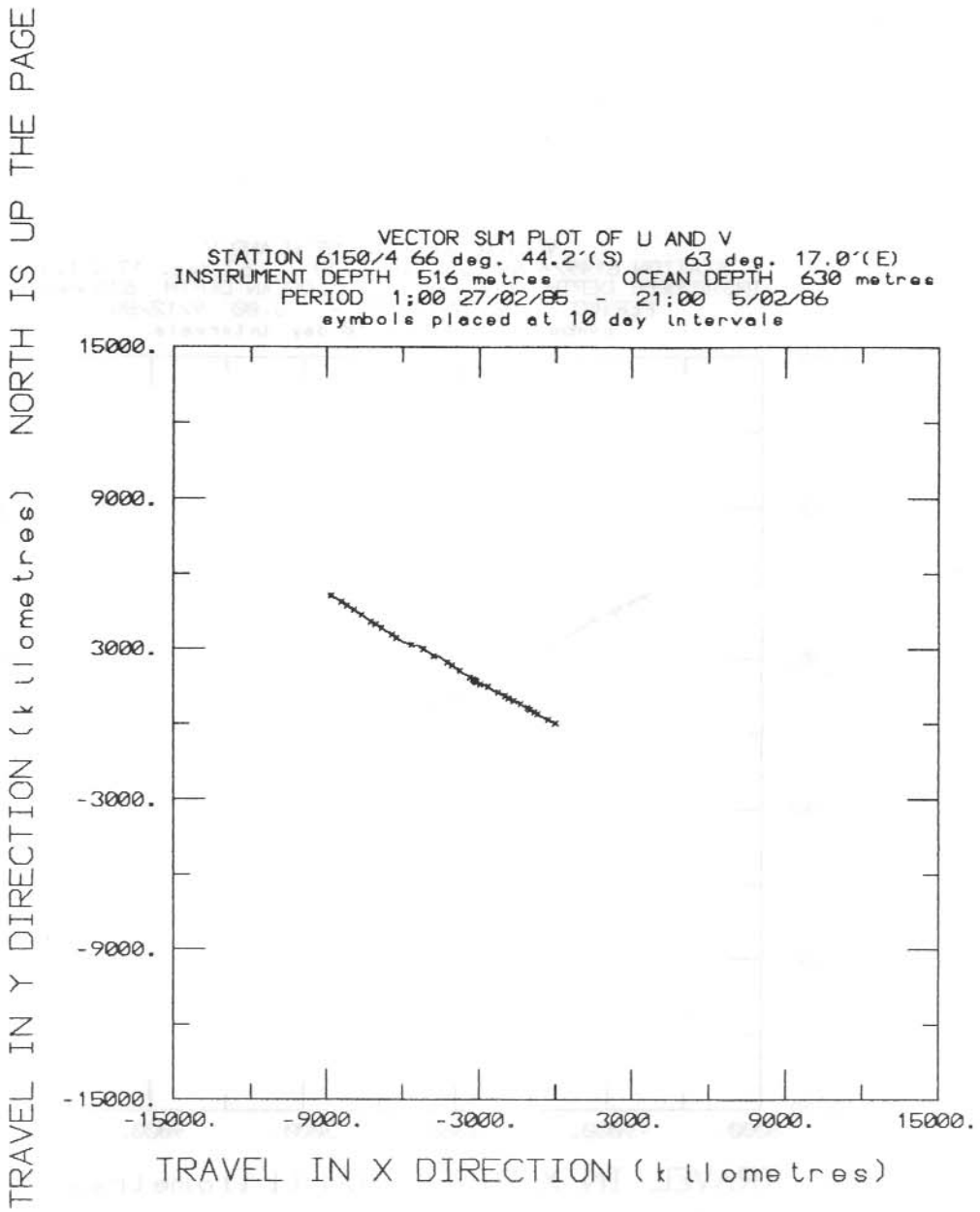

VECTOR SUM PLOT OF U AND V
STATION 7735/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 296 metres OCEAN DEPTH 640 metres
PERIOD 1:26 14/01/85 - 6:26 10/07/85
symbols placed at 10 day intervals
250.
150.
50.
-50.
-150.
-250.
-250.
-150.
-50.
50.
150.
250.
TRAVEL IN X DIRECTION (kilometres)
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE

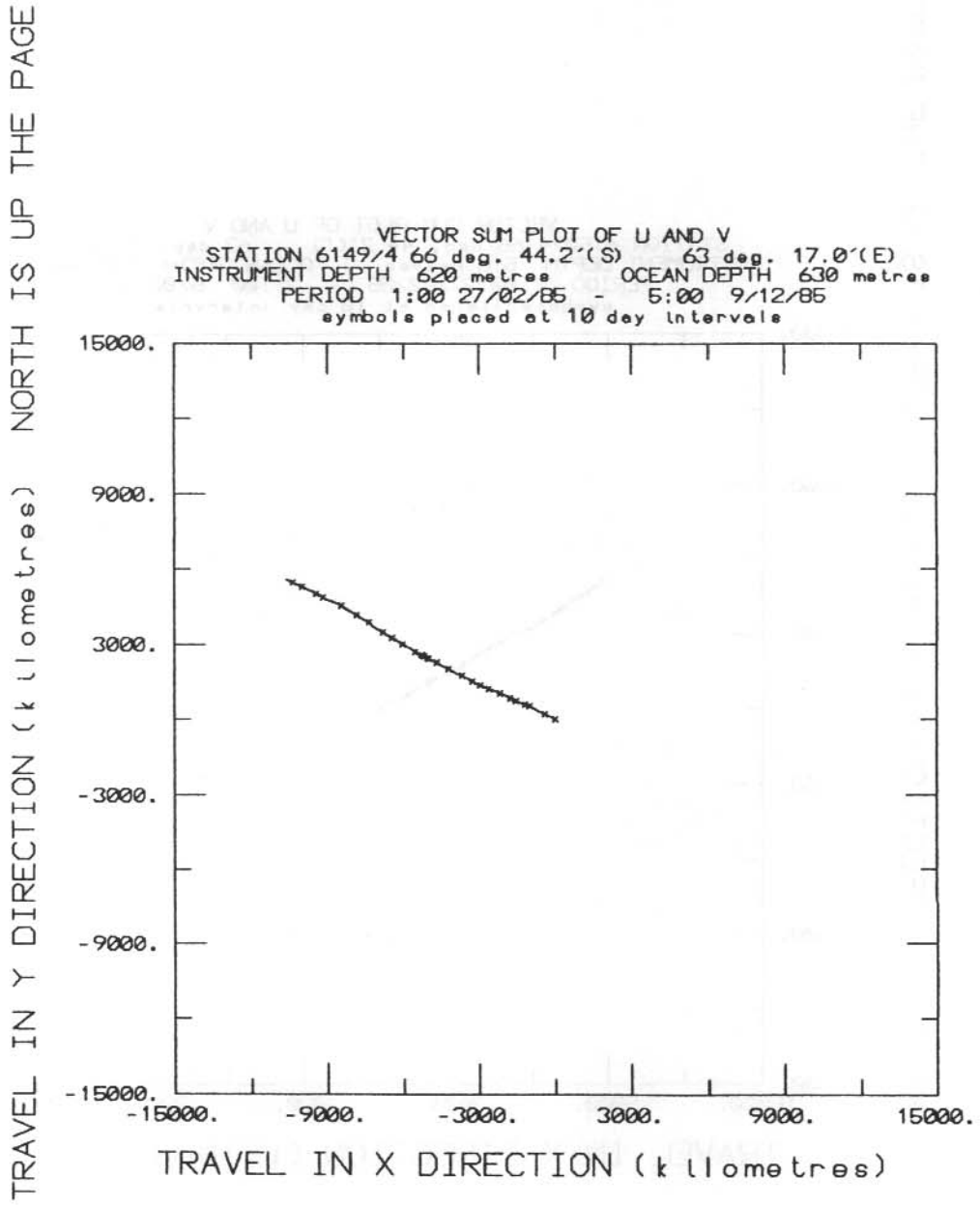

VECTOR SUM PLOT OF U AND V
STATION 7737/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 487 metres OCEAN DEPTH 640 metres
PERIOD 1:25 14/01/85 - 2:25 28/07/85
symbols placed at 10 day intervals
150.
90.
30.
-30.
-90.
-150.
-150.
-90.
-30.
30.
90.
150.
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
TRAVEL IN X DIRECTION (kilometres)


VECTOR SUM PLOT OF U AND V
STATION 7623/2 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 640 metres OCEAN DEPTH 640 metres
PERIOD 1:25 14/01/85 - 10:25 13/05/85
symbols placed at 10 day intervals
400.
240.
80.
-80.
-240.
-400.
-400.
-240.
-80.
80.
240.
400.
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
TRAVEL IN X DIRECTION (kilometres)


VECTOR SUM PLOT OF U AND V
STATION 6628/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 178 metres OCEAN DEPTH 630 metres
PERIOD 1;00 27/02/85 - 9;00 6/02/86
symbols placed at 10 day intervals
10000.
6000.
2000.
-2000.
-6000.
-10000.
-10000.
-6000.
-2000.
2000.
6000.
10000.
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
TRAVEL IN X DIRECTION (kilometres)

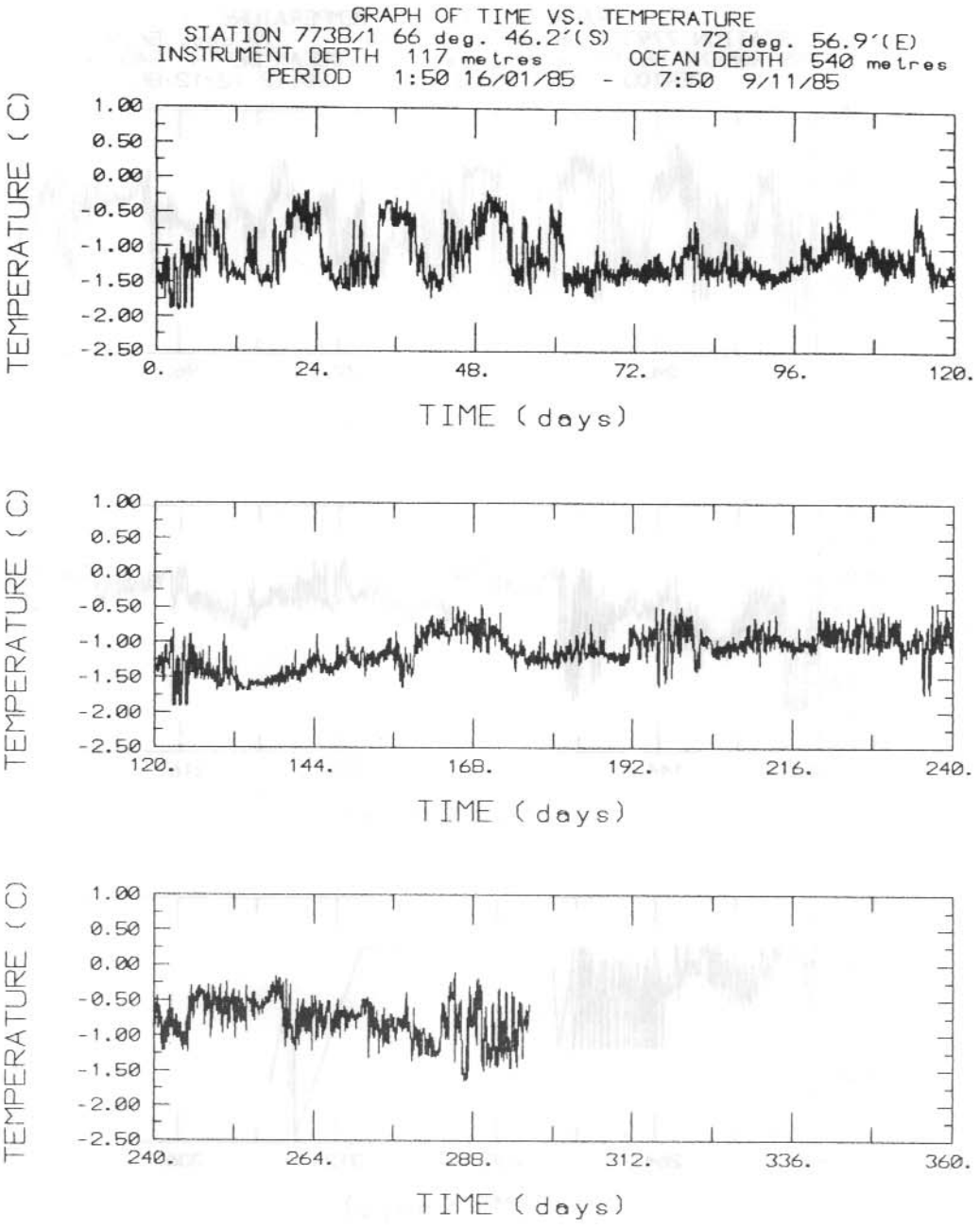

VECTOR SUM PLOT OF U AND V
STATION 6148/3 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 325 metres OCEAN DEPTH 630 metres
PERIOD 1;00 27/02/85 - 23;00 5/02/86
symbols placed at 10 day intervals
15000.
9000.
3000.
-3000.
-9000.
-15000.
-15000.
-9000.
-3000.
3000.
9000.
15000.
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
TRAVEL IN X DIRECTION (kilometres)

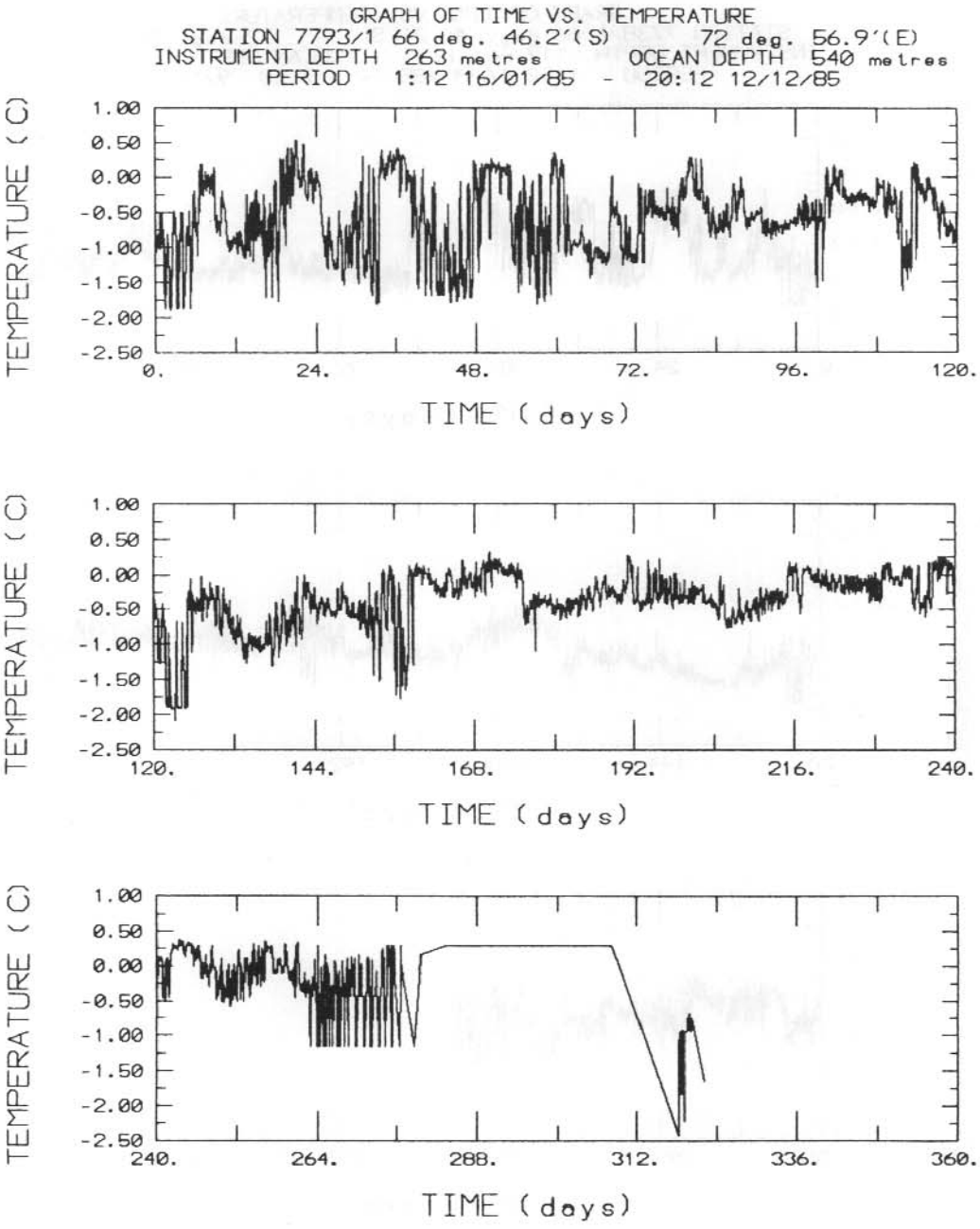

VECTOR SUM PLOT OF U AND V
STATION 6150/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 516 metres OCEAN DEPTH 630 metres
PERIOD 1;00 27/02/85 - 21;00 5/02/86
symbols placed at 10 day intervals
15000.
9000.
3000.
-3000.
-9000.
-15000.
-15000.
-9000.
-3000.
3000.
9000.
15000.
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
TRAVEL IN X DIRECTION (kilometres)

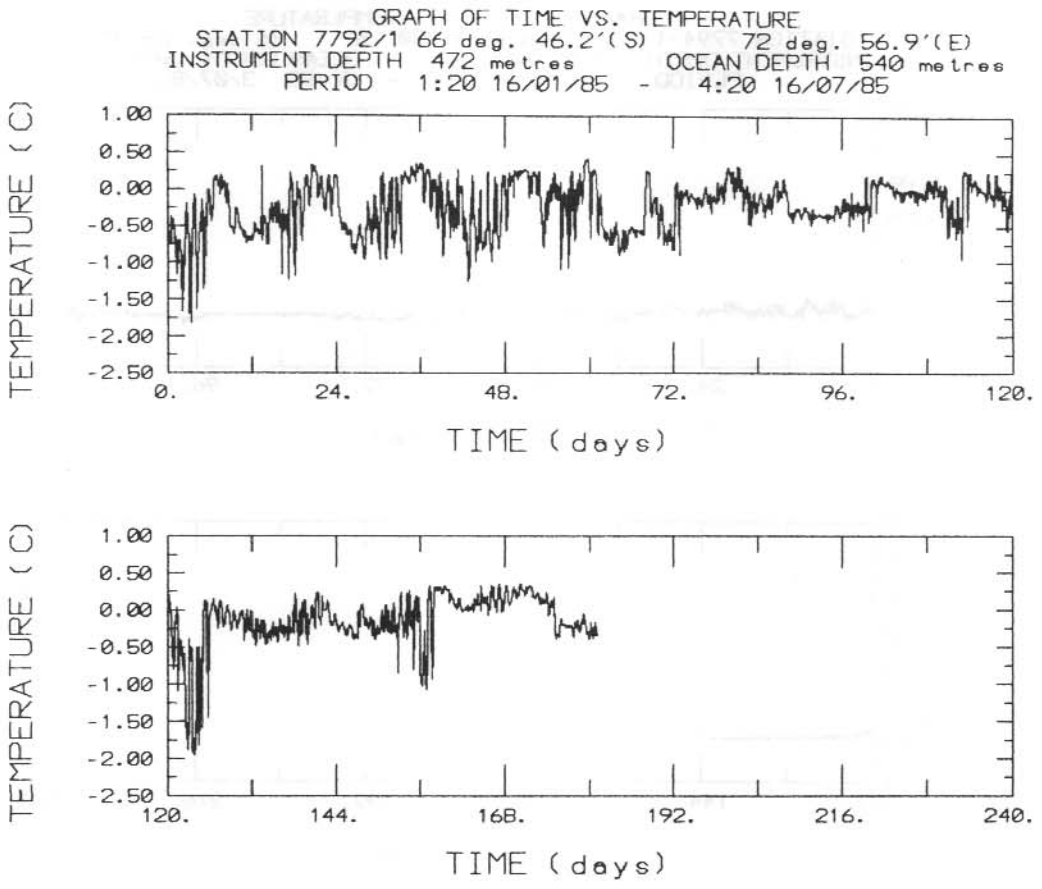

VECTOR SUM PLOT OF U AND V
STATION 6149/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 620 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 5:00 9/12/85
symbols placed at 10 day intervals
15000.
9000.
3000.
-3000.
-9000.
-15000.
-15000.
-9000.
-3000.
3000.
9000.
15000.
TRAVEL IN Y DIRECTION (kilometres) NORTH IS UP THE PAGE
TRAVEL IN X DIRECTION (kilometres)

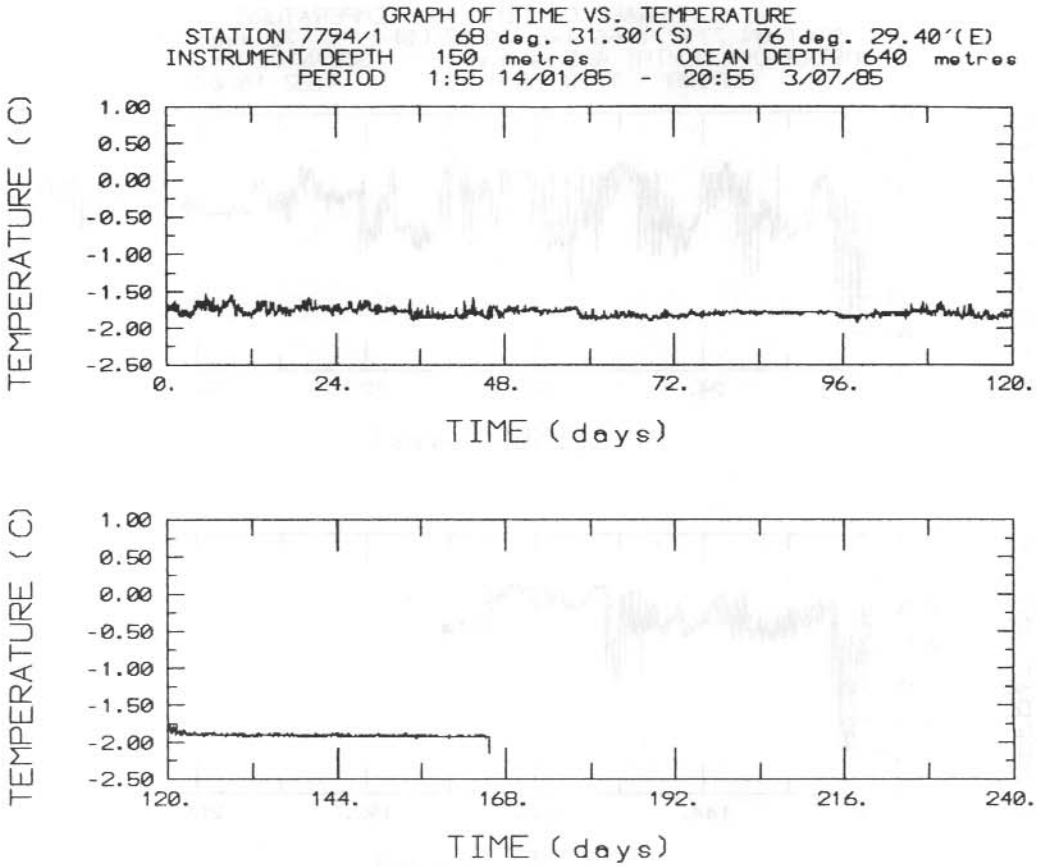
Appendix VII. Temperature/time plots

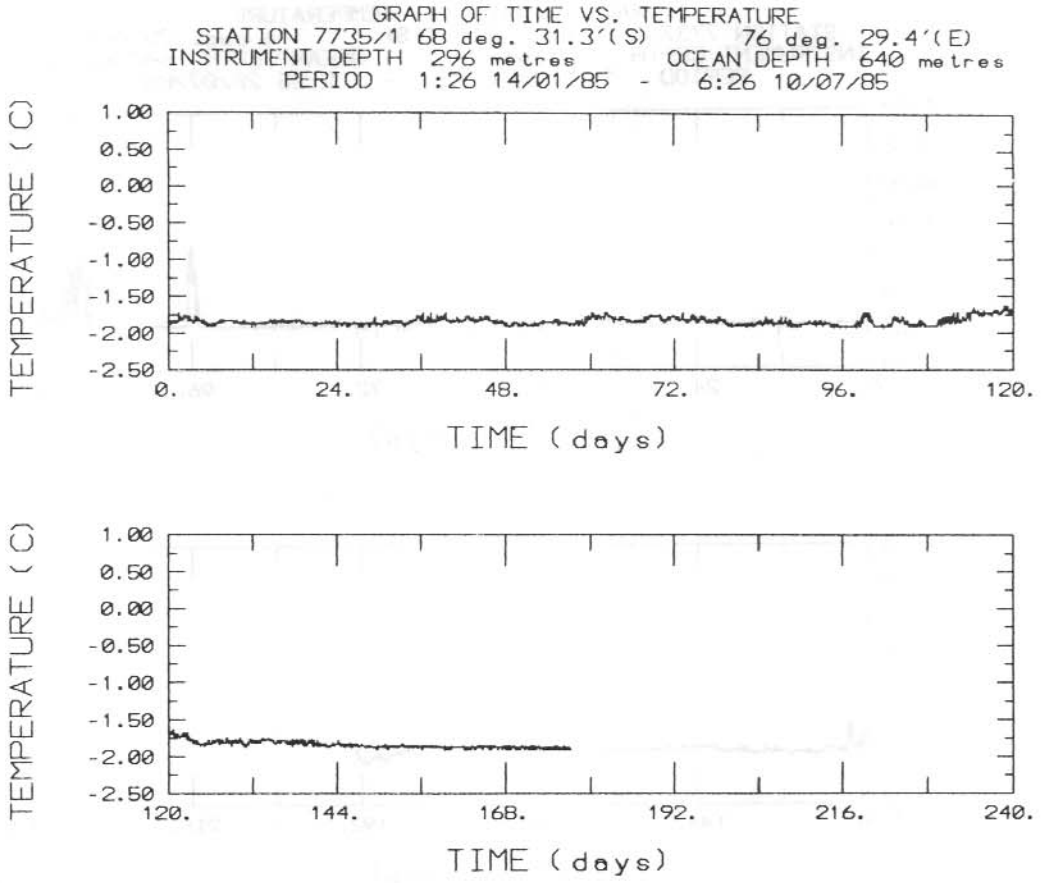
Plots are arranged in order of moorings (1,3,4) and within these sections, from the shallowest to the deepest current meter.

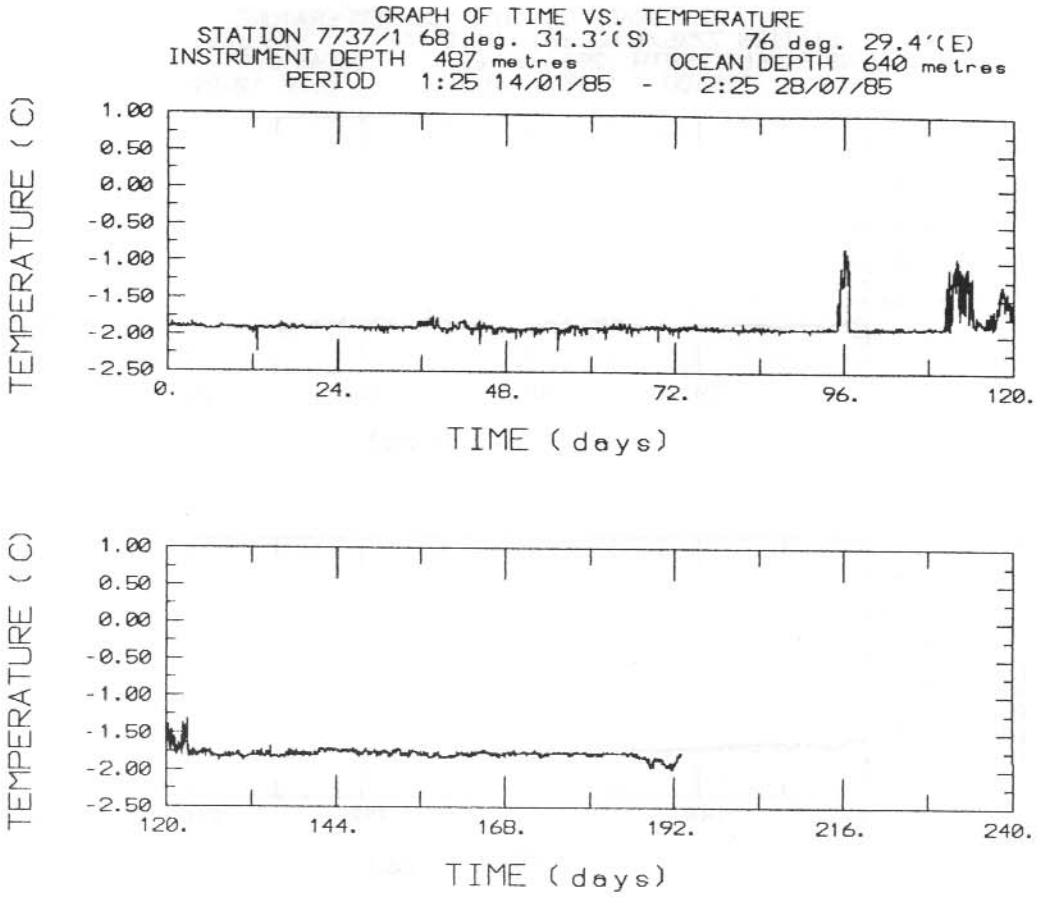


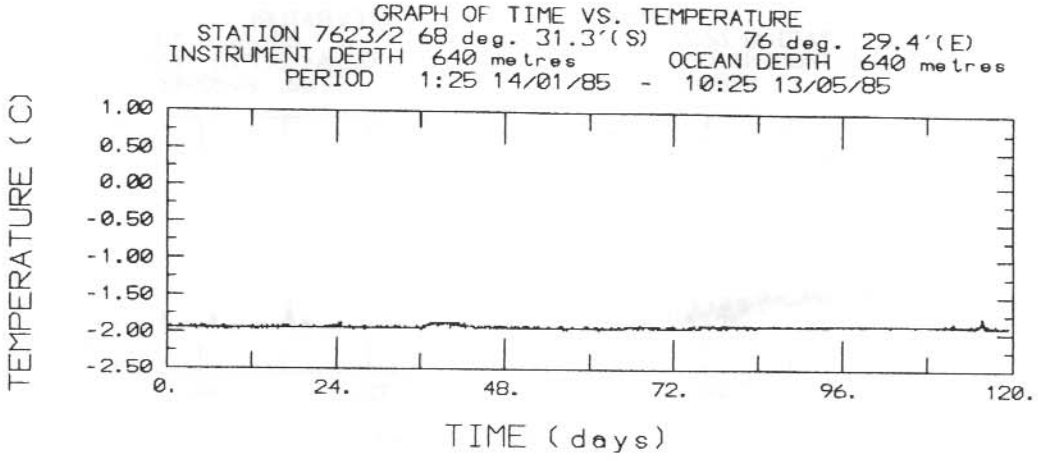

GRAPH OF TIME VS. TEMPERATURE
STATION 7793/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 263 metres OCEAN DEPTH 540 metres
PERIOD 1:12 16/01/85 - 20:12 12/12/85
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
120.
144.
168.
192.
216.
240.
TIME (days)
TEMPERATURE (C)
240.
264.
288.
312.
336.
360.
TIME (days)

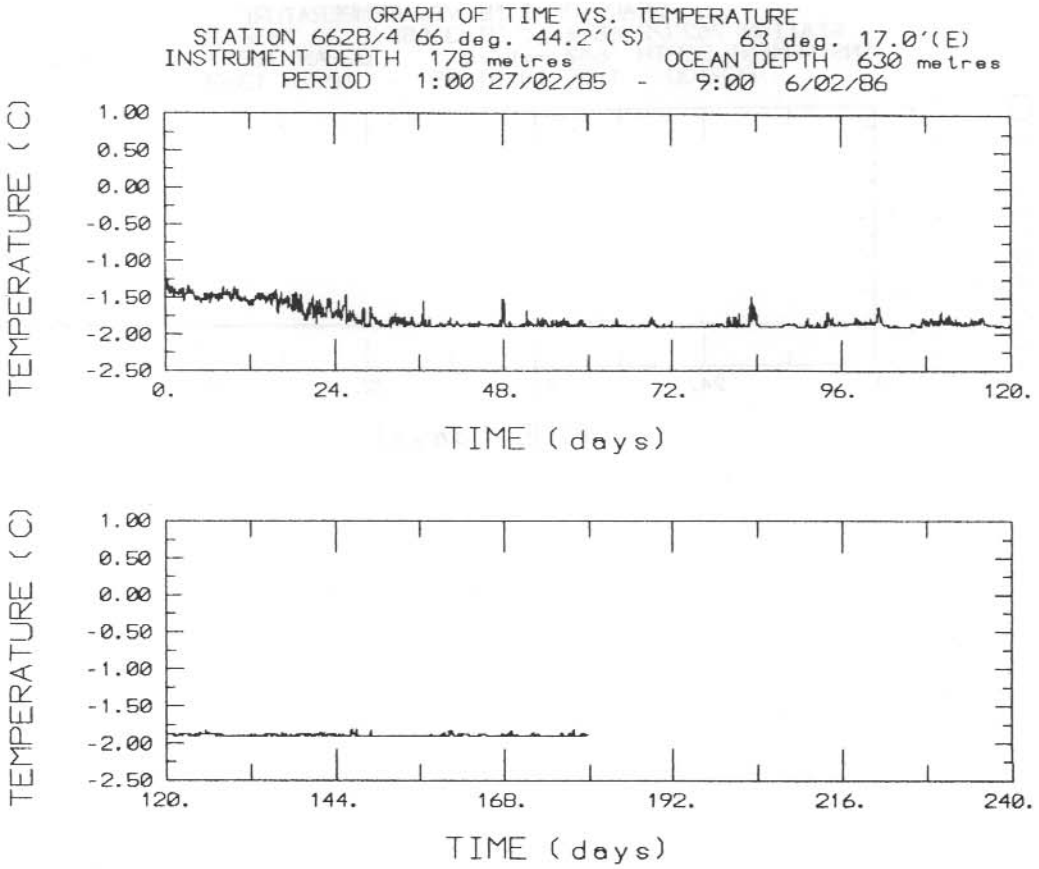

GRAPH OF TIME VS. TEMPERATURE
STATION 7792/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 472 metres OCEAN DEPTH 540 metres
PERIOD 1:20 16/01/85 - 4:20 16/07/85
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
120.
144.
168.
192.
216.
240.
TIME (days)

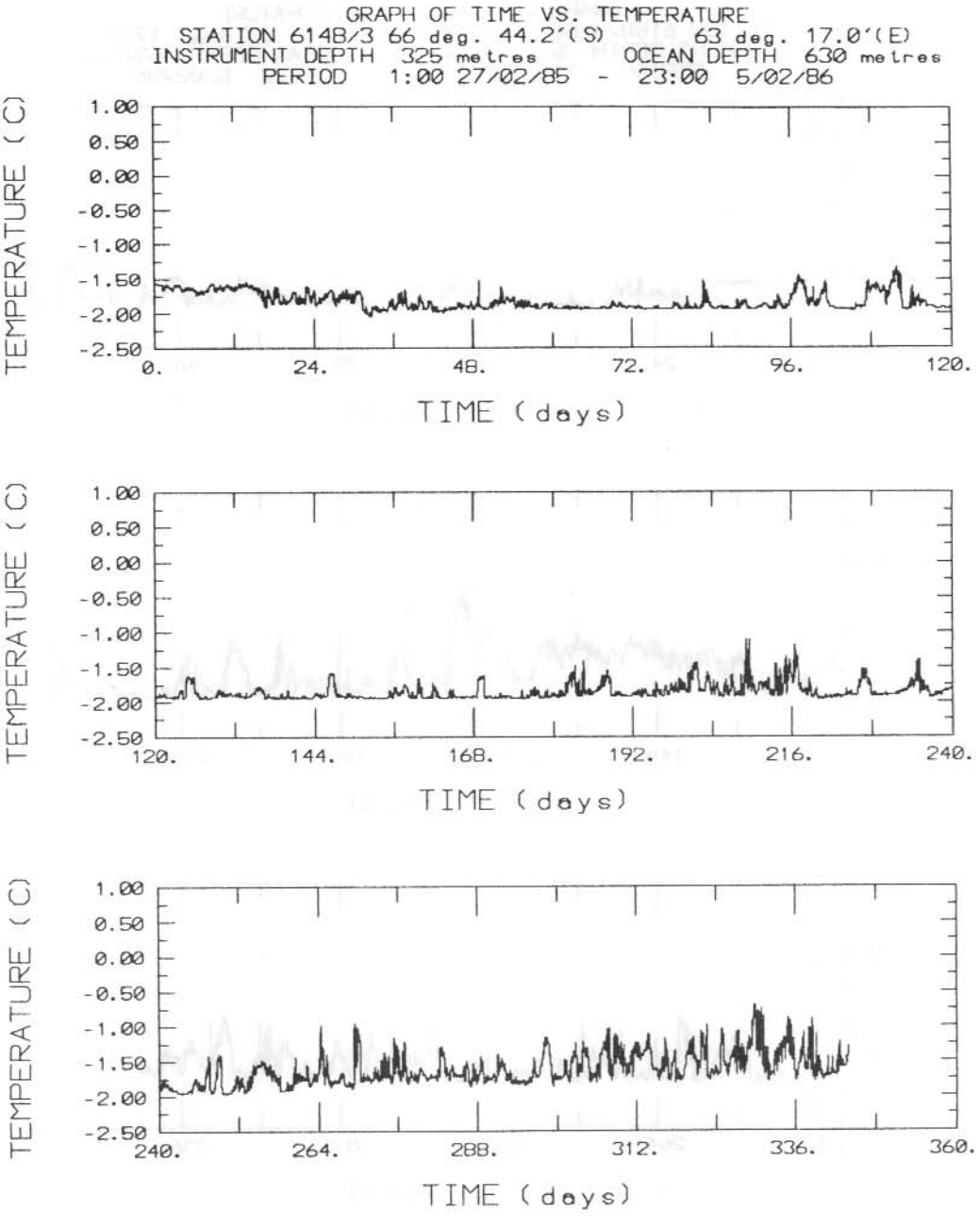

GRAPH OF TIME VS. TEMPERATURE
STATION 7794/1 68 deg. 31.30'(S) 76 deg. 29.40'(E)
INSTRUMENT DEPTH 150 metres OCEAN DEPTH 640 metres
PERIOD 1:55 14/01/85 - 20:55 3/07/85
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
120.
144.
168.
192.
216.
240.
TIME (days)

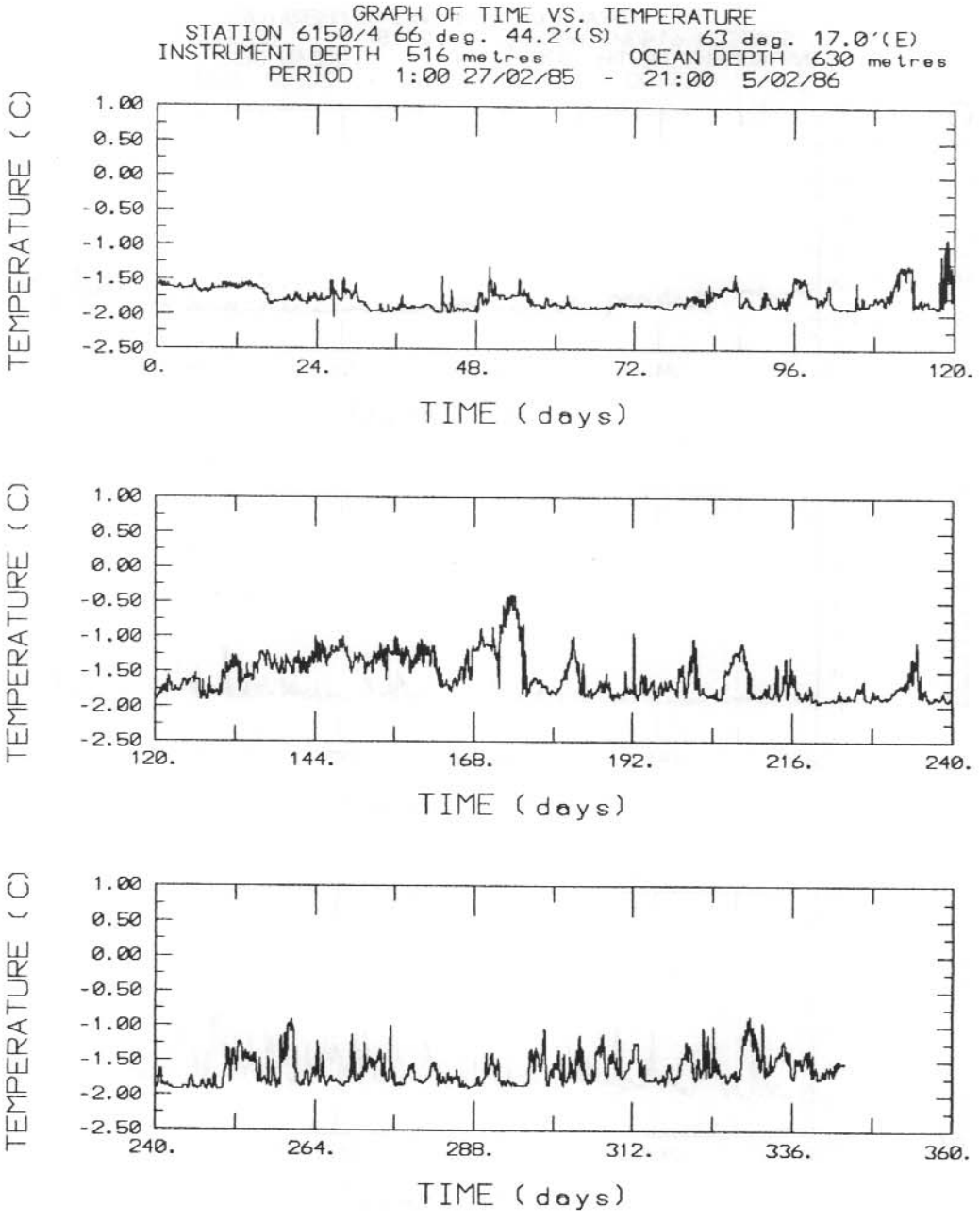

GRAPH OF TIME VS. TEMPERATURE
STATION 7735/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 296 metres OCEAN DEPTH 640 metres
PERIOD 1:26 14/01/85 - 6:26 10/07/85
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
120.
144.
168.
192.
216.
240.
TIME (days)

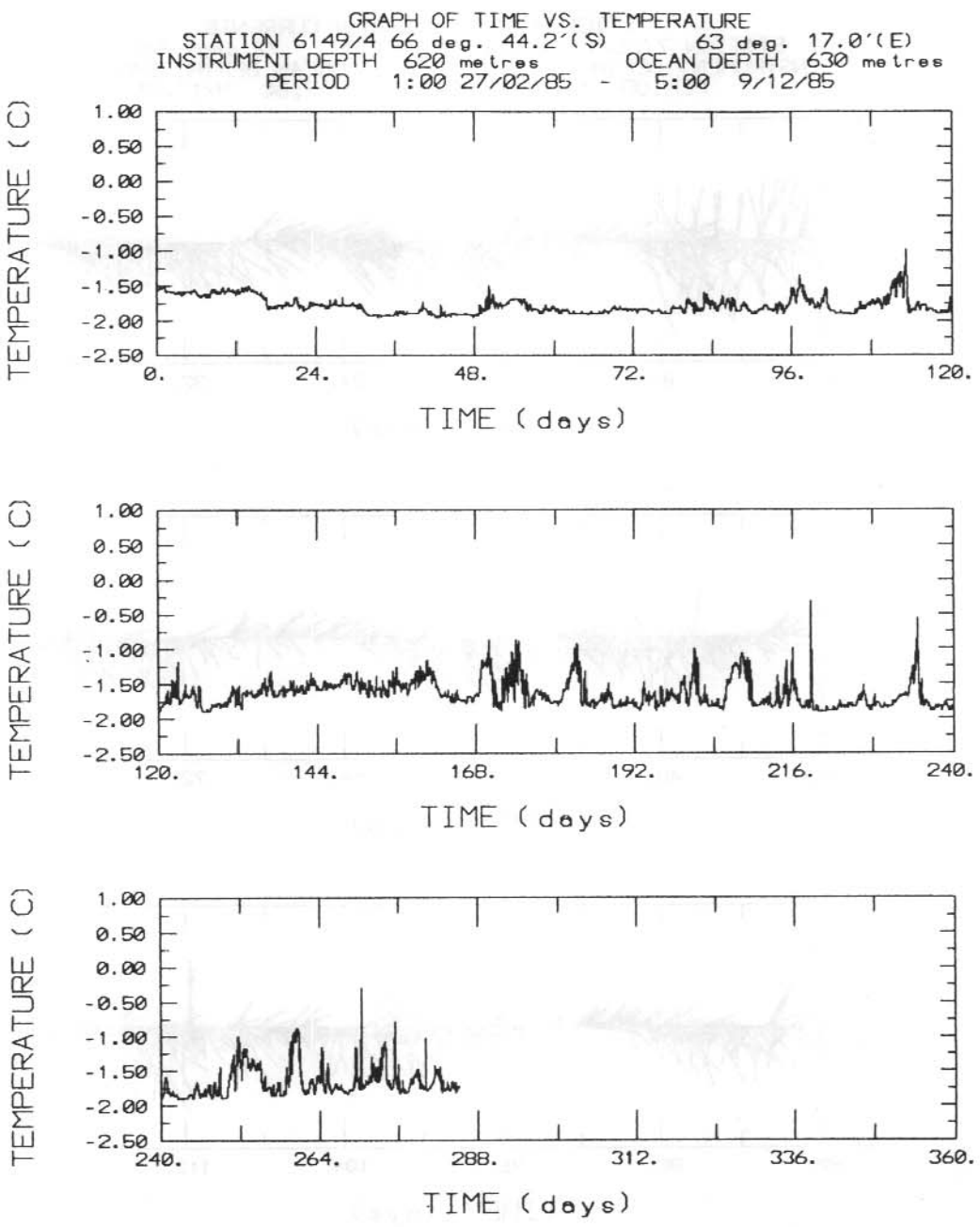

GRAPH OF TIME VS. TEMPERATURE
STATION 7737/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 487 metres OCEAN DEPTH 640 metres
PERIOD 1:25 14/01/85 - 2:25 28/07/85
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
120.
144.
168.
192.
216.
240.
TIME (days)


GRAPH OF TIME VS. TEMPERATURE
STATION 7623/2 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 640 metres OCEAN DEPTH 640 metres
PERIOD 1:25 14/01/85 - 10:25 13/05/85
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)


GRAPH OF TIME VS. TEMPERATURE
STATION 662B/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 178 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 9:00 6/02/86
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
120.
144.
168.
192.
216.
240.
TIME (days)

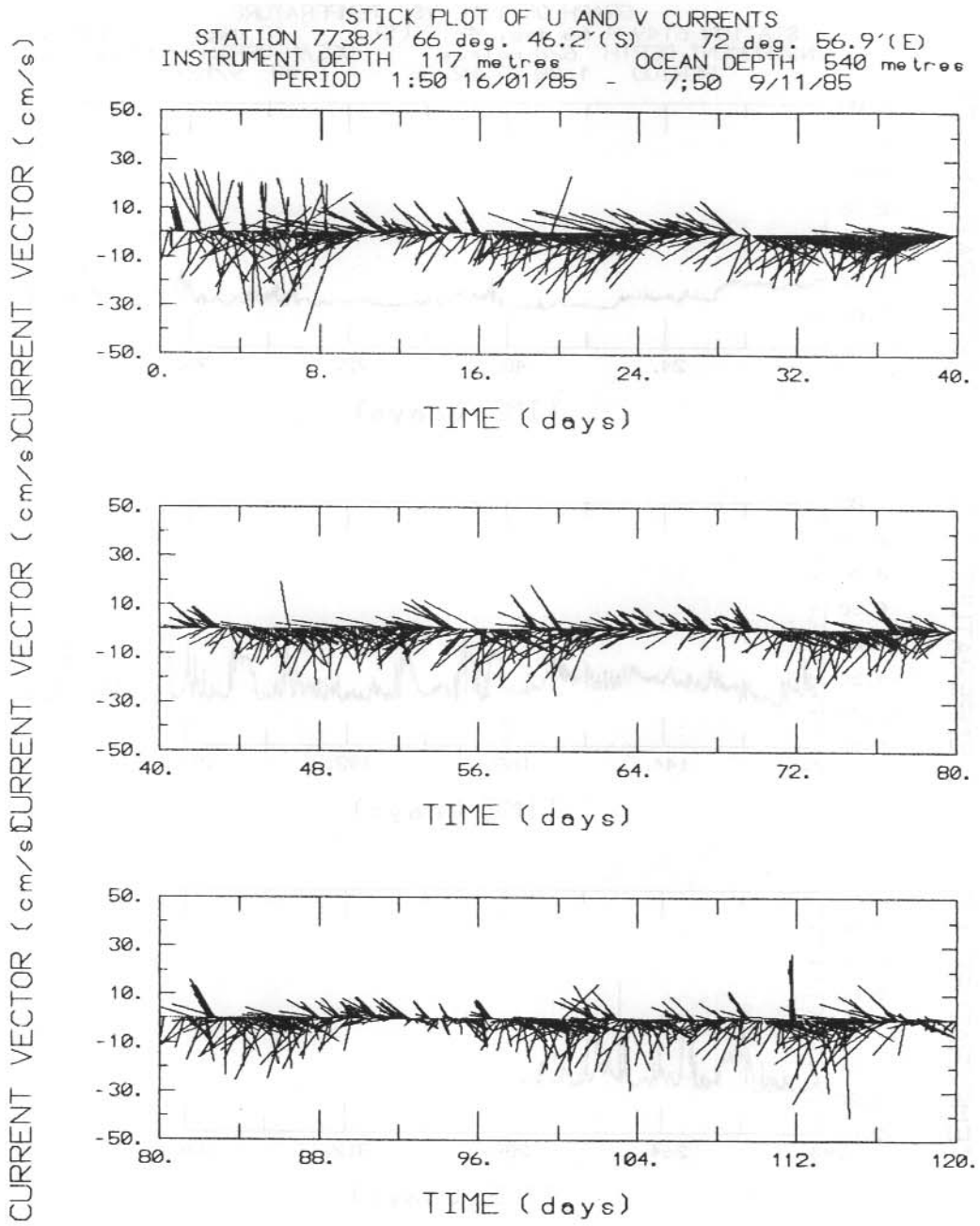

GRAPH OF TIME VS. TEMPERATURE
STATION 6148/3 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 325 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 23:00 5/02/86
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
120.
144.
168.
192.
216.
240.
TIME (days)
TEMPERATURE (C)
240.
264.
288.
312.
336.
360.
TIME (days)

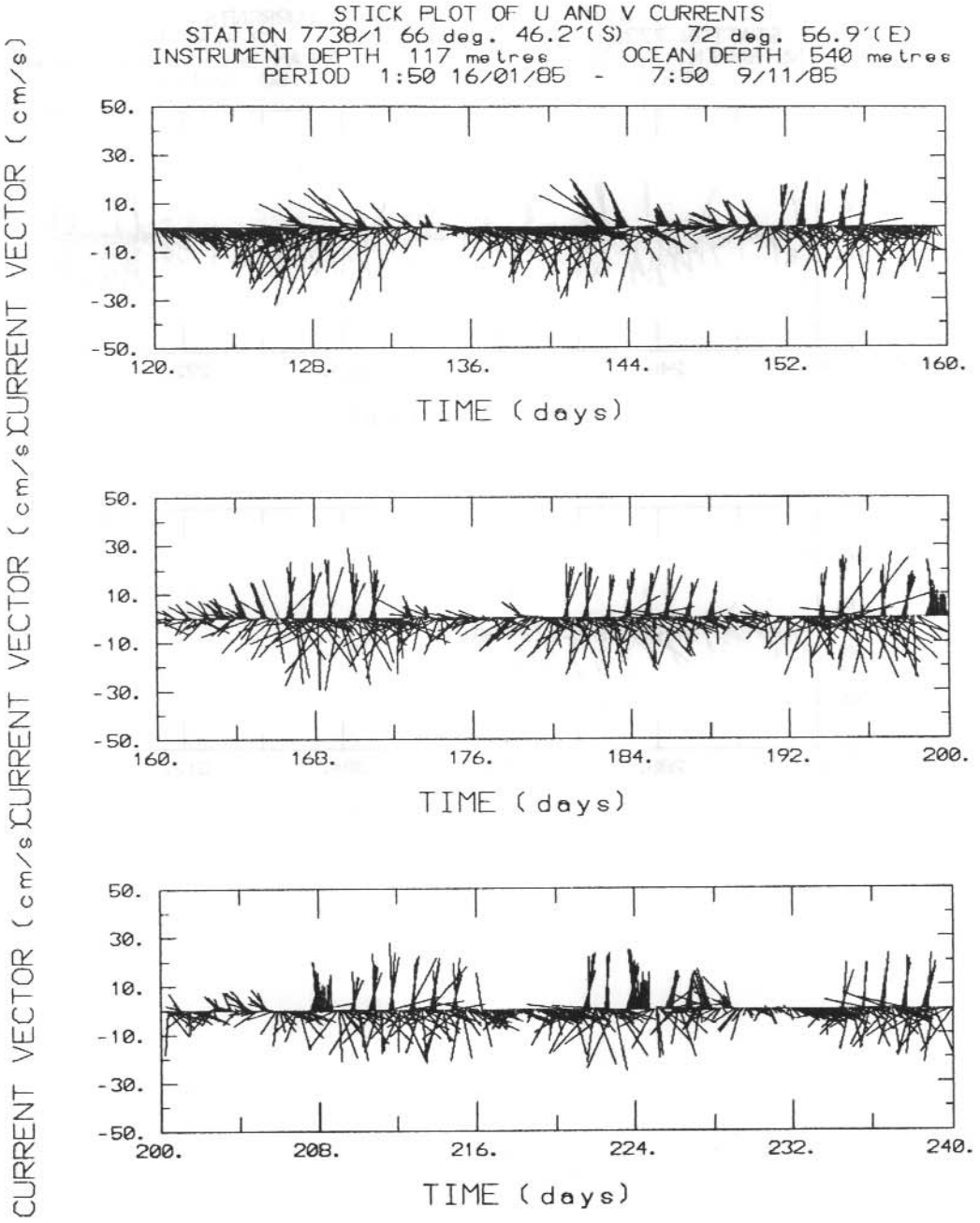

GRAPH OF TIME VS. TEMPERATURE
STATION 6150/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 516 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 21:00 5/02/86
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
120.
144.
168.
192.
216.
240.
TIME (days)
TEMPERATURE (C)
240.
264.
288.
312.
336.
360.
TIME (days)

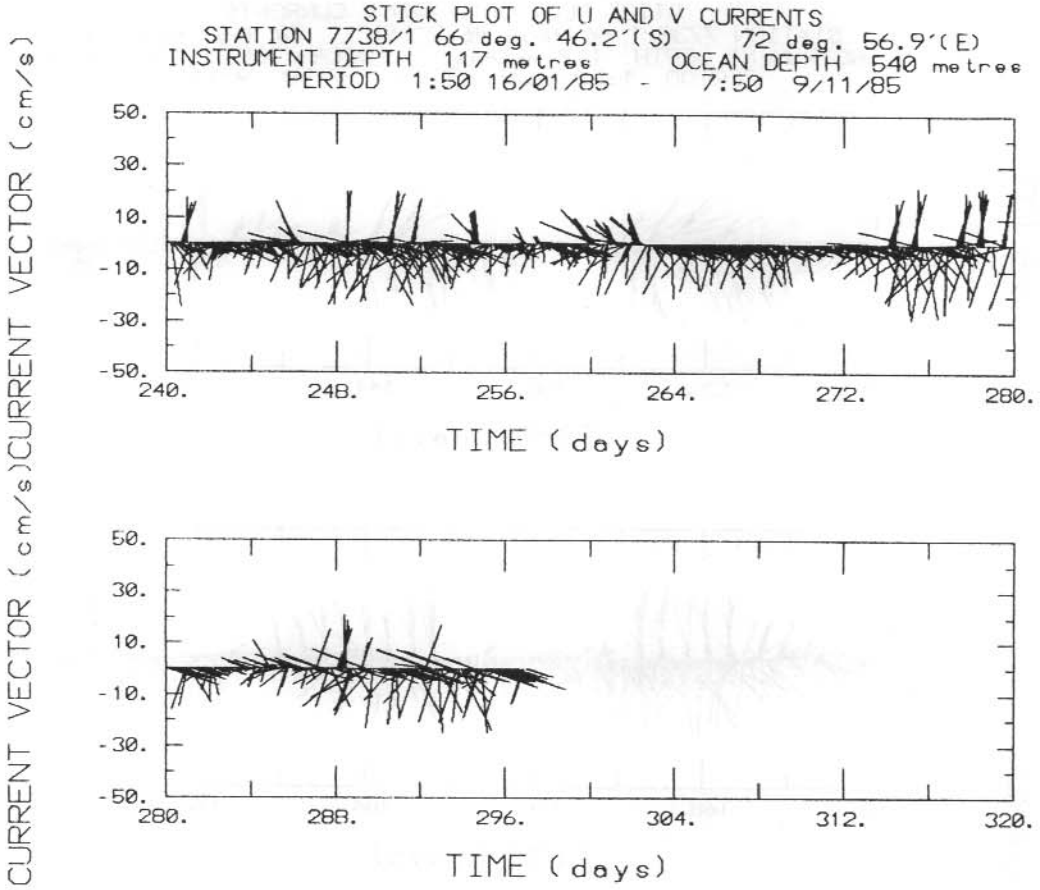

GRAPH OF TIME VS. TEMPERATURE
STATION 6149/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 620 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 5:00 9/12/85
TEMPERATURE (C)
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
0.
24.
48.
72.
96.
120.
TIME (days)
TEMPERATURE (C)
120.
144.
168.
192.
216.
240.
TIME (days)
TEMPERATURE (C)
240.
264.
288.
312.
336.
360.
TIME (days)

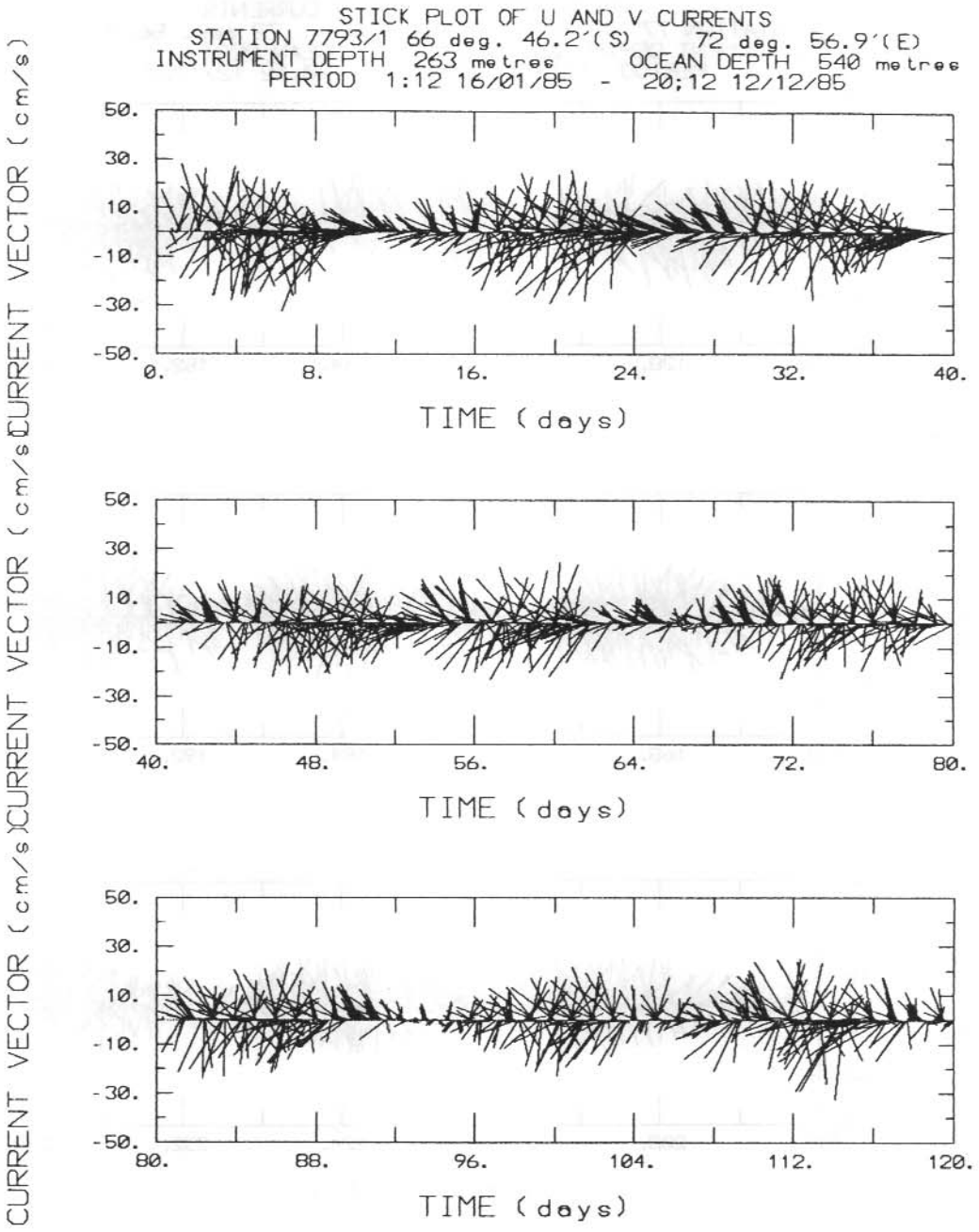
Appendix VIII. 'Stick' plots

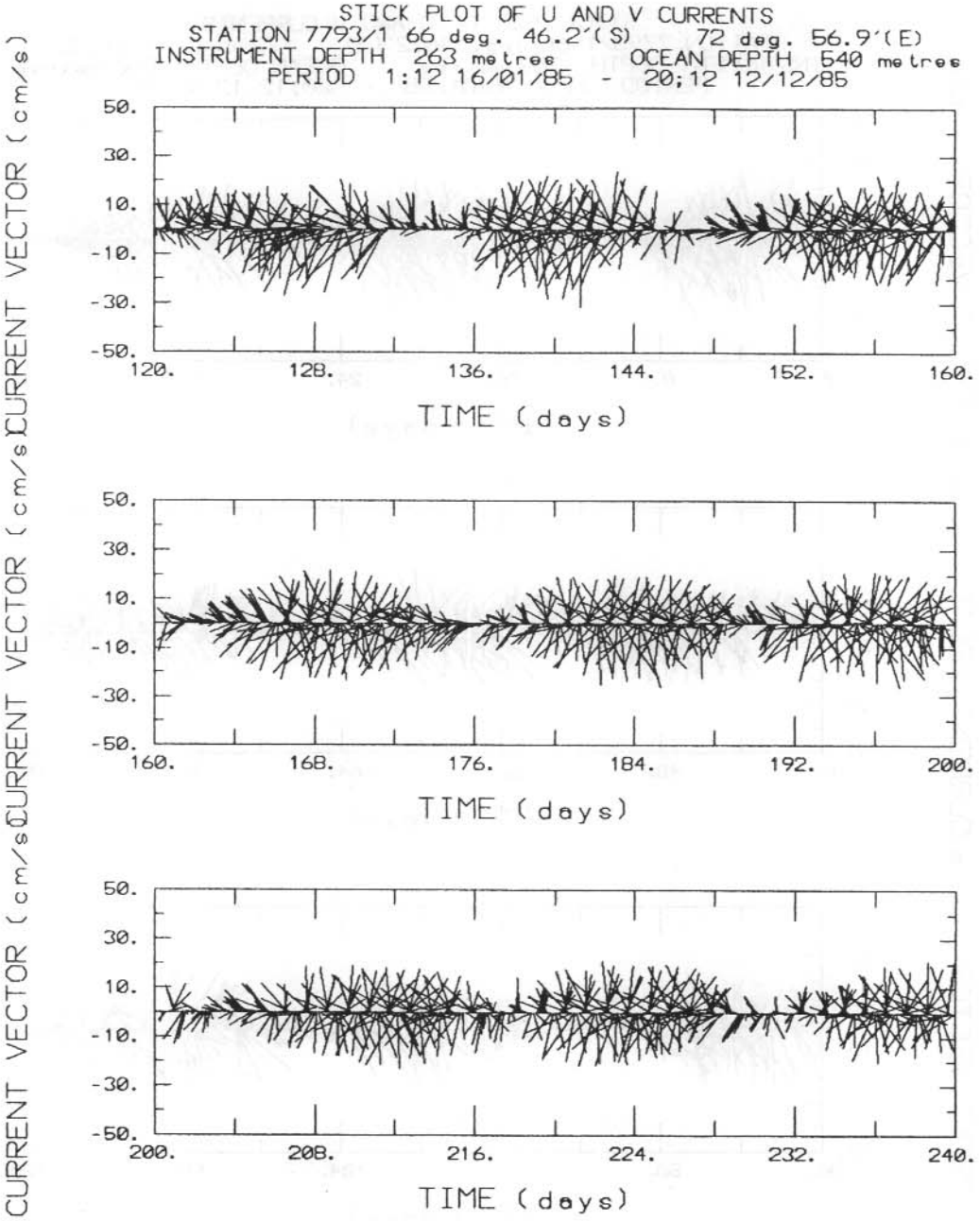
Plots are arranged in order of moorings (1,3,4) and within these sections, from the shallowest to the deepest current meter.

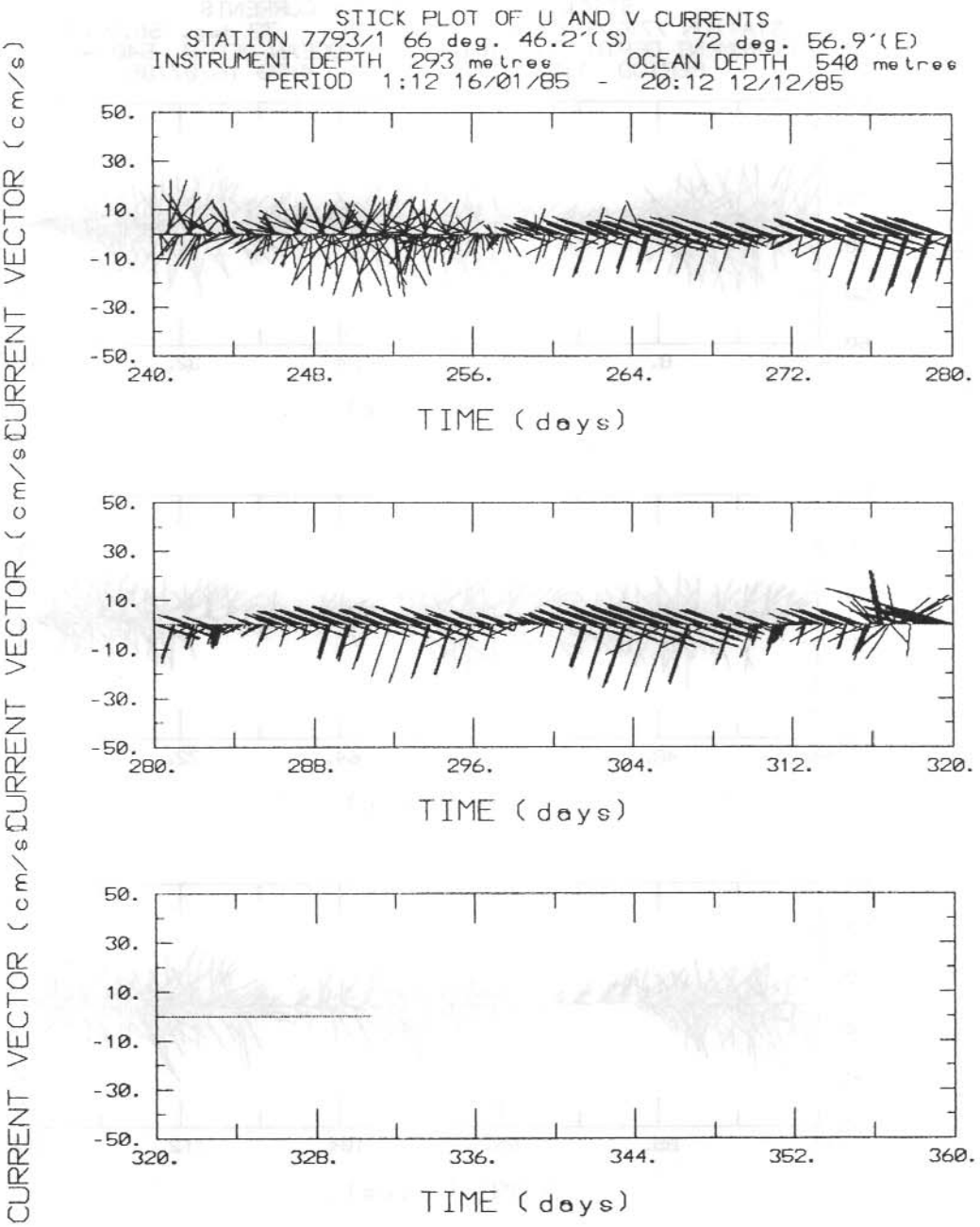


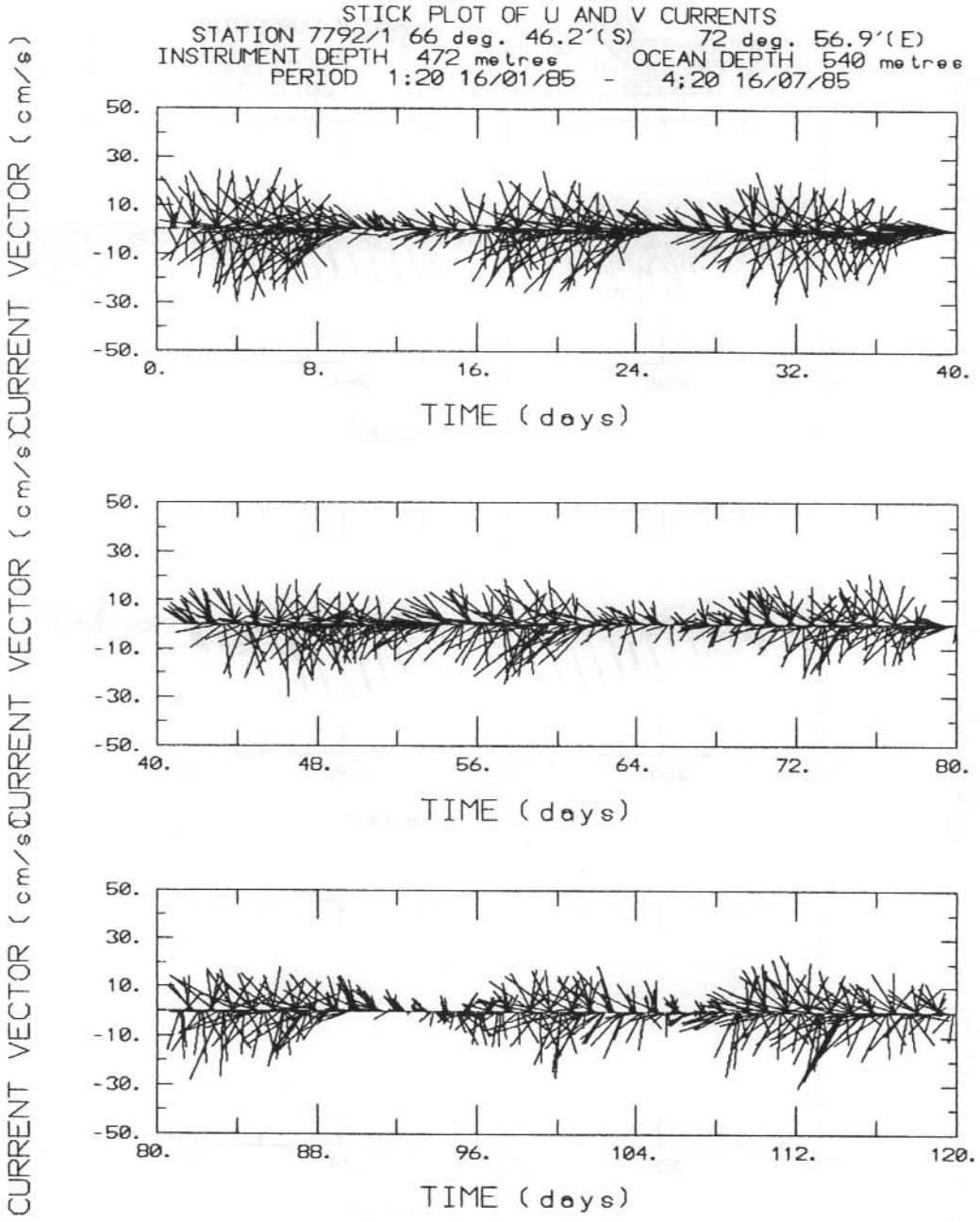

STICK PLOT OF U AND V CURRENTS
STATION 7738/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 117 metres OCEAN DEPTH 540 metres
PERIOD 1:50 16/01/85 - 7:50 9/11/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
120.
128.
136.
144.
152.
160.
TIME (days)
160.
168.
176.
184.
192.
200.
200.
208.
216.
224.
232.
240.

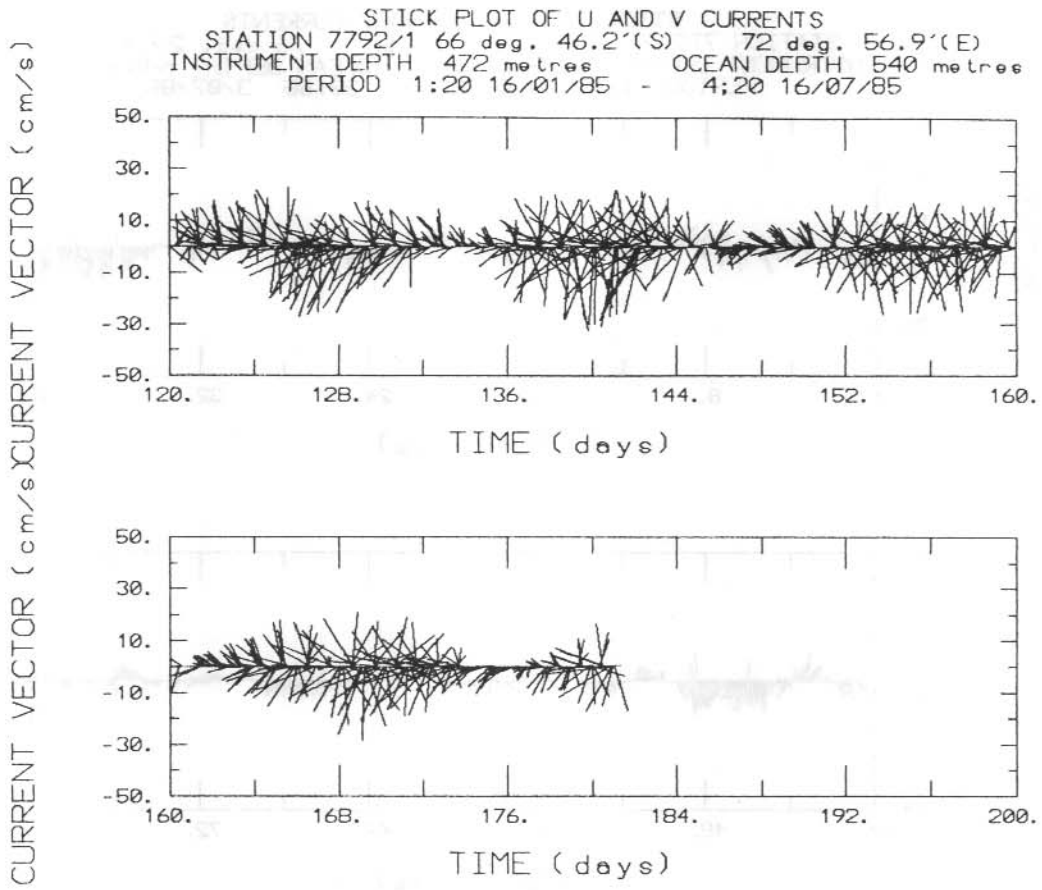

STICK PLOT OF U AND V CURRENTS
STATION 7738/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 117 metres OCEAN DEPTH 540 metres
PERIOD 1:50 16/01/85 - 7:50 9/11/85
CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
240.
248.
256.
264.
272.
280.
TIME (days)
50.
30.
10.
-10.
-30.
-50.
280.
288.
296.
304.
312.
320.
TIME (days)

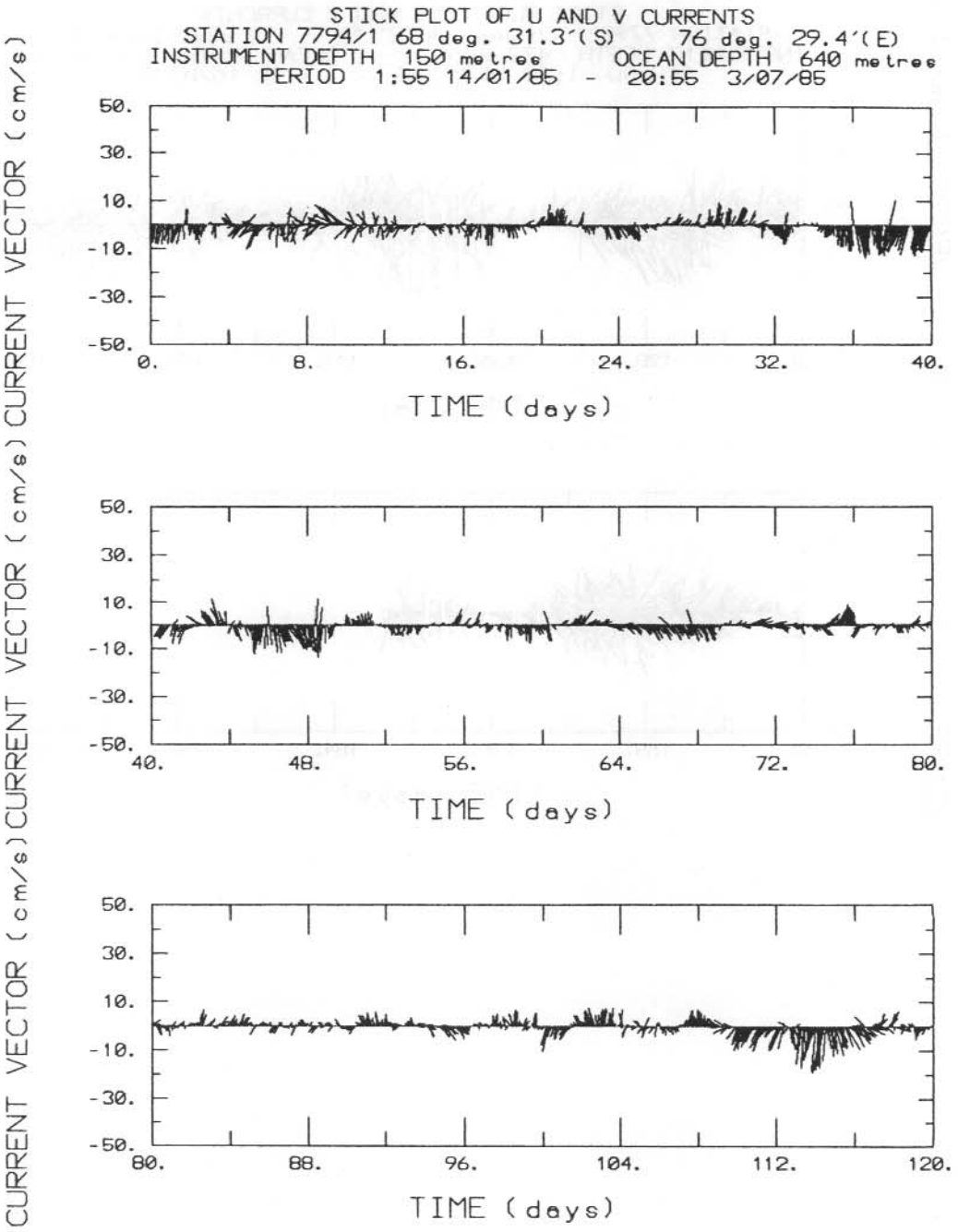

STICK PLOT OF U AND V CURRENTS
STATION 7793/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 263 metres OCEAN DEPTH 540 metres
PERIOD 1:12 16/01/85 - 20:12 12/12/85
CURRENT VECTOR (cm/s) CURRENT VECTOR (cm/s) CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
0.
8.
16.
24.
32.
40.
TIME (days)
40.
48.
56.
64.
72.
80.
TIME (days)
80.
88.
96.
104.
112.
120.
TIME (days)

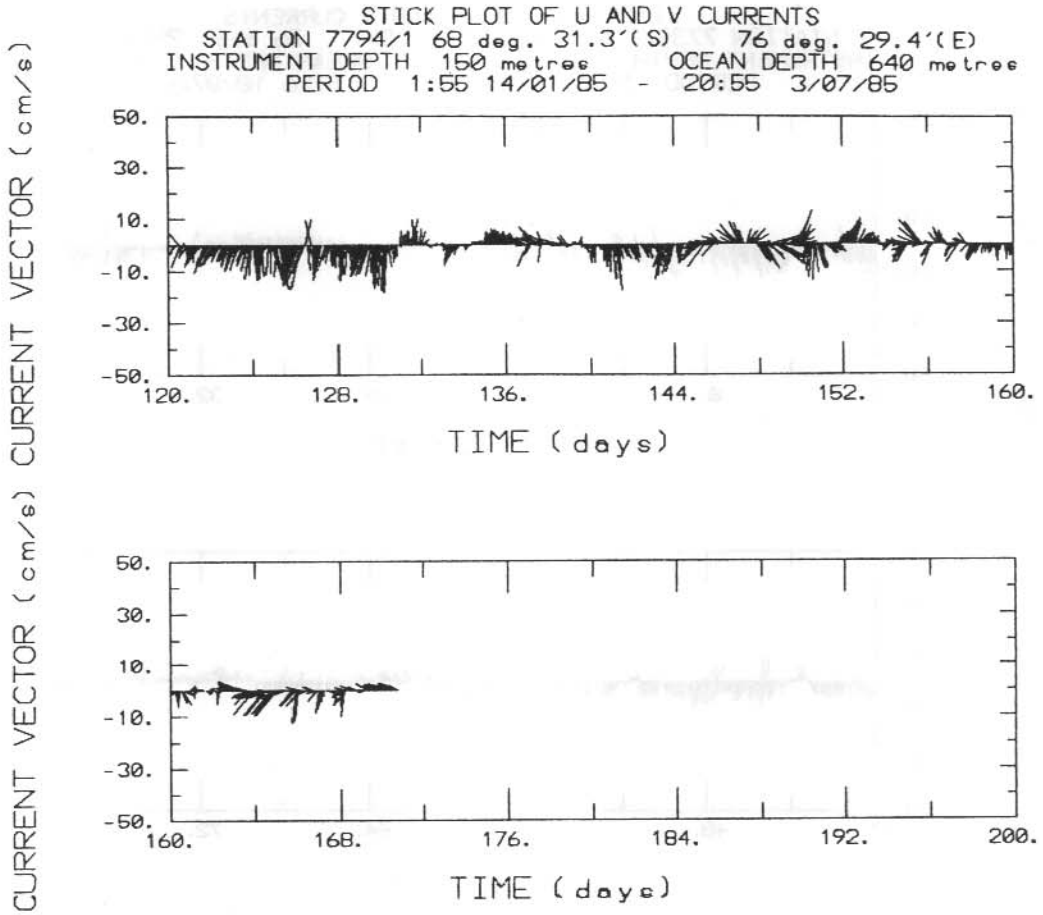

STICK PLOT OF U AND V CURRENTS
STATION 7793/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 263 metres OCEAN DEPTH 540 metres
PERIOD 1:12 16/01/85 - 20;12 12/12/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
120.
128.
136.
144.
152.
160.
TIME (days)
CURRENT VECTOR (cm/s)
160.
168.
176.
184.
192.
200.
TIME (days)
200.
208.
216.
224.
232.
240.
TIME (days)

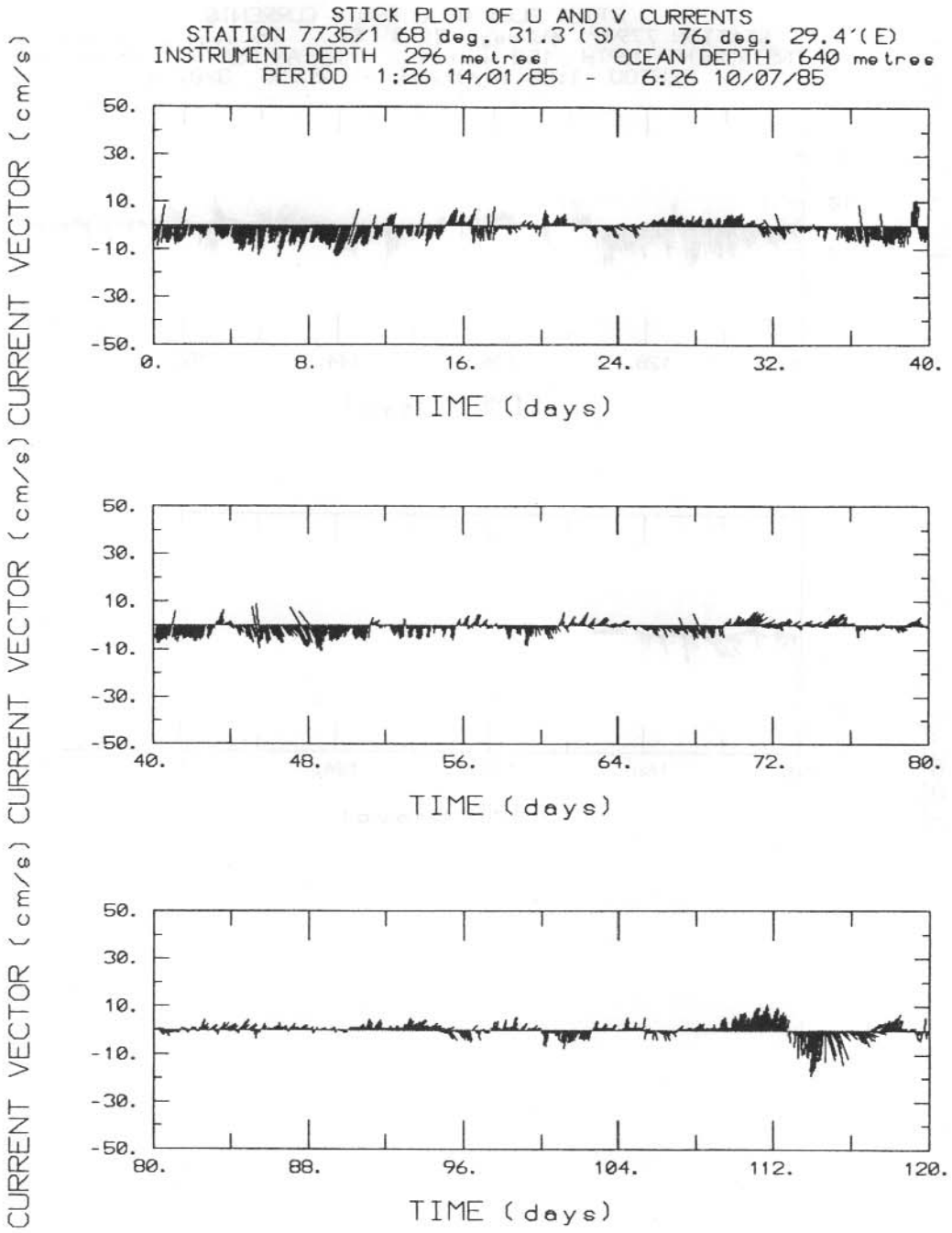

STICK PLOT OF U AND V CURRENTS
STATION 7793/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 293 metres OCEAN DEPTH 540 metres
PERIOD 1:12 16/01/85 - 20:12 12/12/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
240.
248.
256.
264.
272.
280.
TIME (days)
280.
288.
296.
304.
312.
320.
320.
328.
336.
344.
352.
360.

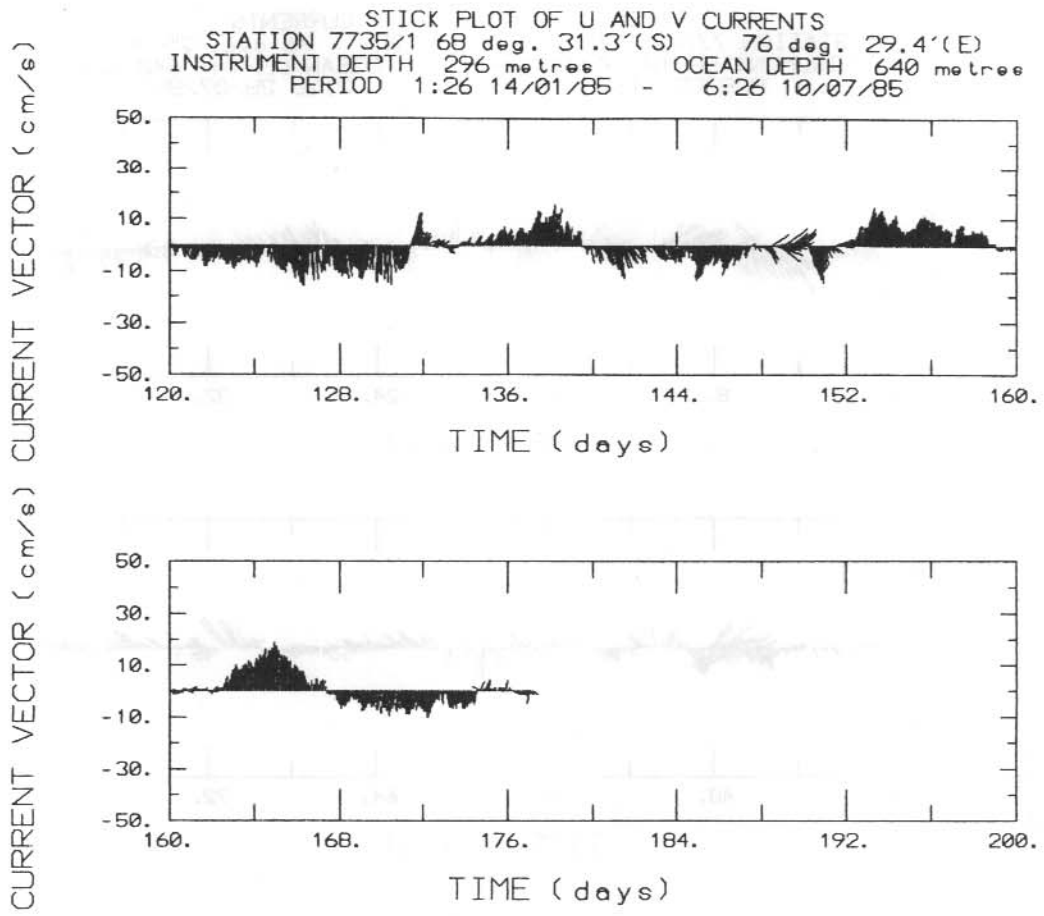

STICK PLOT OF U AND V CURRENTS
STATION 7792/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 472 metres OCEAN DEPTH 540 metres
PERIOD 1:20 16/01/85 - 4;20 16/07/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
0.
8.
16.
24.
32.
40.
TIME (days)
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
40.
48.
56.
64.
72.
80.
TIME (days)
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
80.
88.
96.
104.
112.
120.
TIME (days)

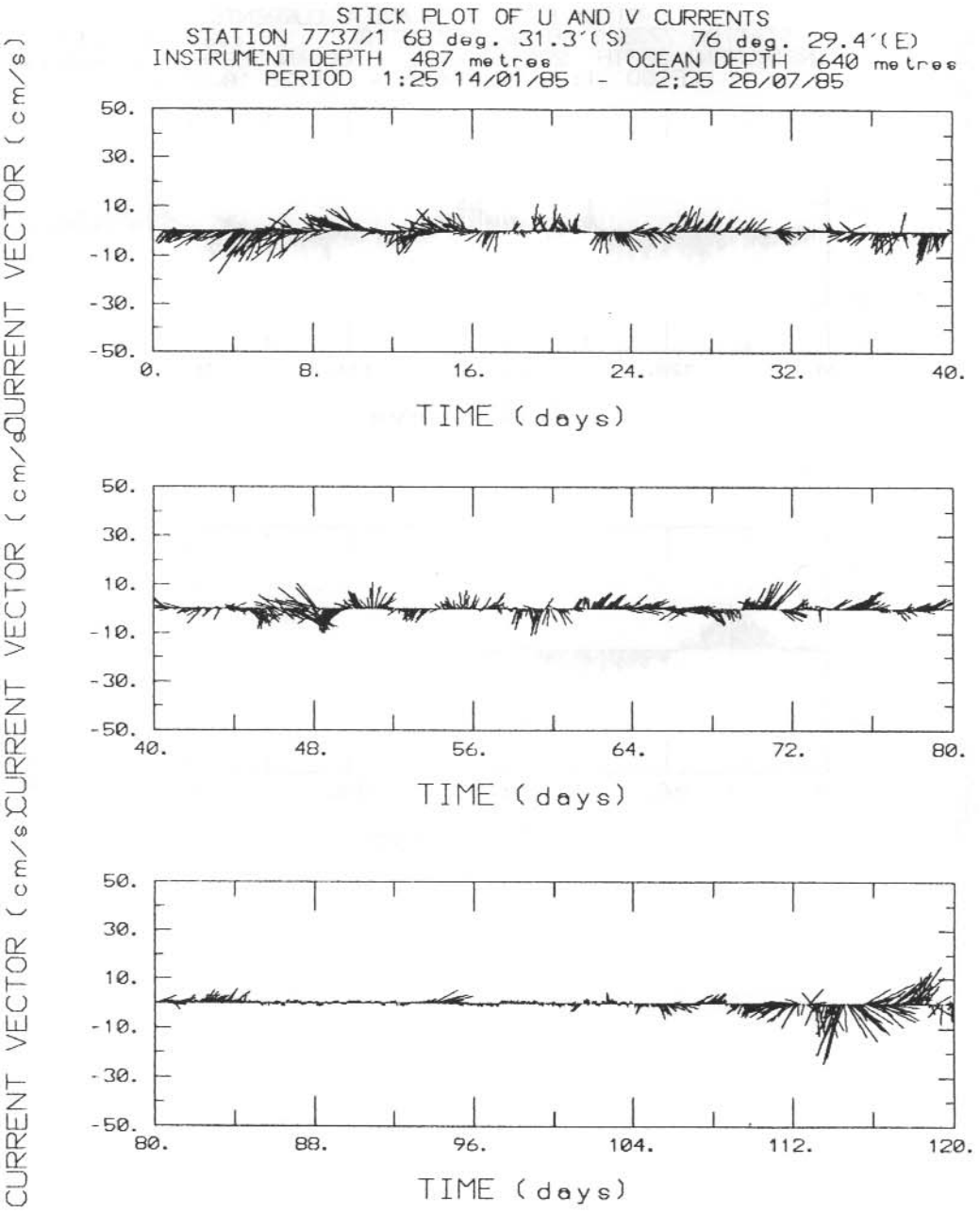

STICK PLOT OF U AND V CURRENTS
STATION 7792/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 472 metres OCEAN DEPTH 540 metres
PERIOD 1:20 16/01/85 - 4;20 16/07/85
CURRENT VECTOR (cm/s)
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
120.
128.
136.
144.
152.
160.
TIME (days)
50.
30.
10.
-10.
-30.
-50.
160.
168.
176.
184.
192.
200.
TIME (days)

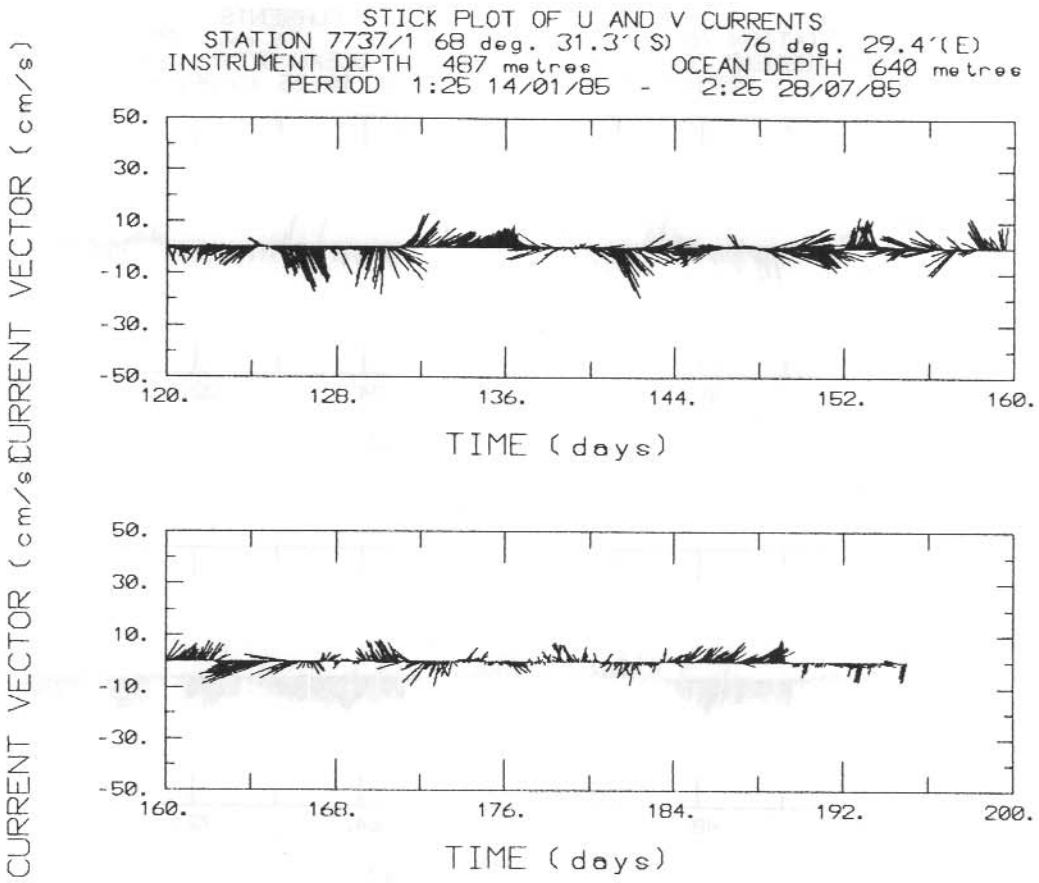

STICK PLOT OF U AND V CURRENTS
STATION 7794/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 150 metres OCEAN DEPTH 640 metres
PERIOD 1:55 14/01/85 - 20:55 3/07/85
CURRENT VECTOR (cm/s) CURRENT VECTOR (cm/s) CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
0.
8.
16.
24.
32.
40.
TIME (days)
50.
30.
10.
-10.
-30.
-50.
40.
48.
56.
64.
72.
80.
TIME (days)
50.
30.
10.
-10.
-30.
-50.
80.
88.
96.
104.
112.
120.
TIME (days)

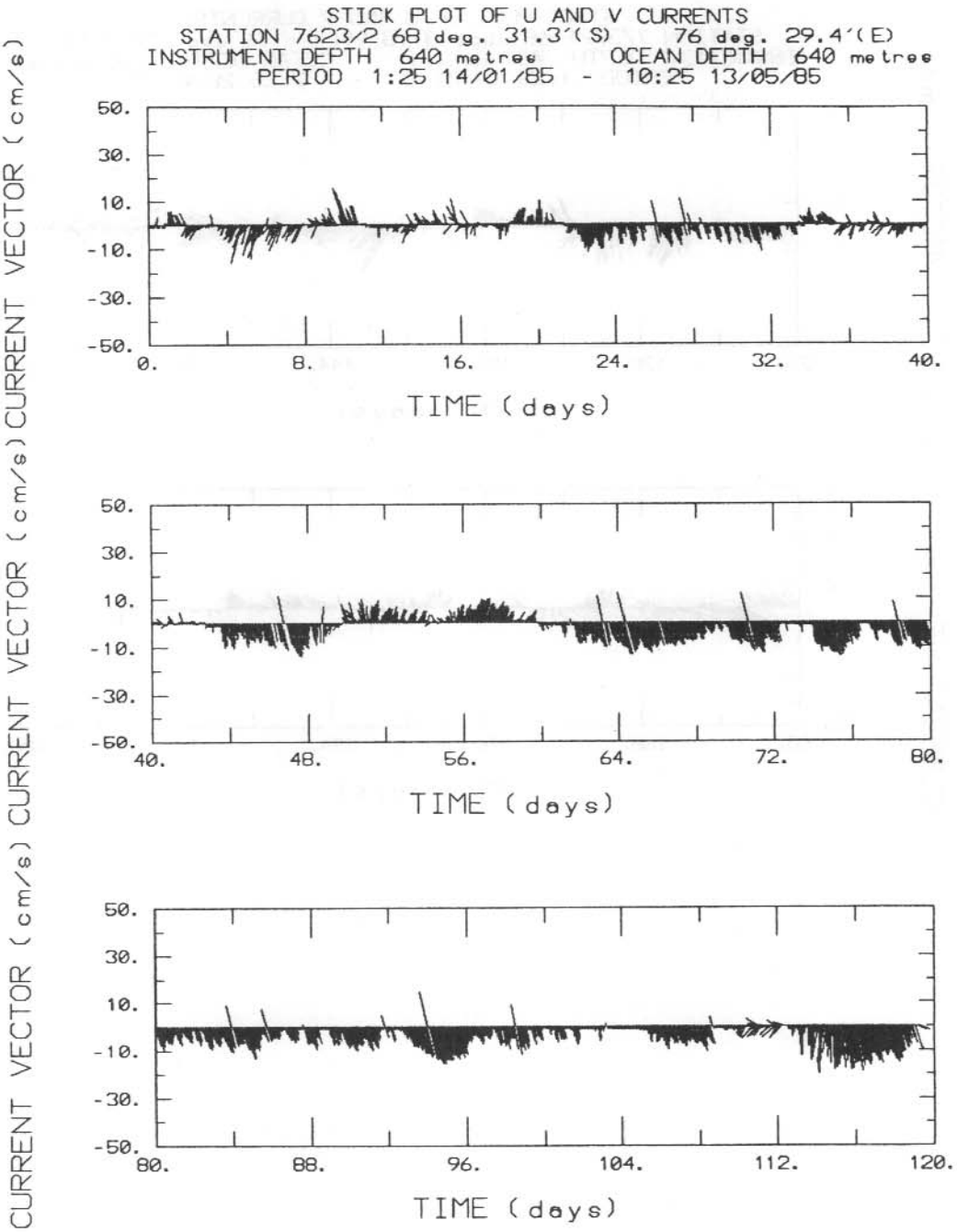

STICK PLOT OF U AND V CURRENTS
STATION 7794/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 150 metres OCEAN DEPTH 640 metres
PERIOD 1:55 14/01/85 - 20:55 3/07/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
120.
128.
136.
144.
152.
160.
TIME (days)
168.
176.
184.
192.
200.

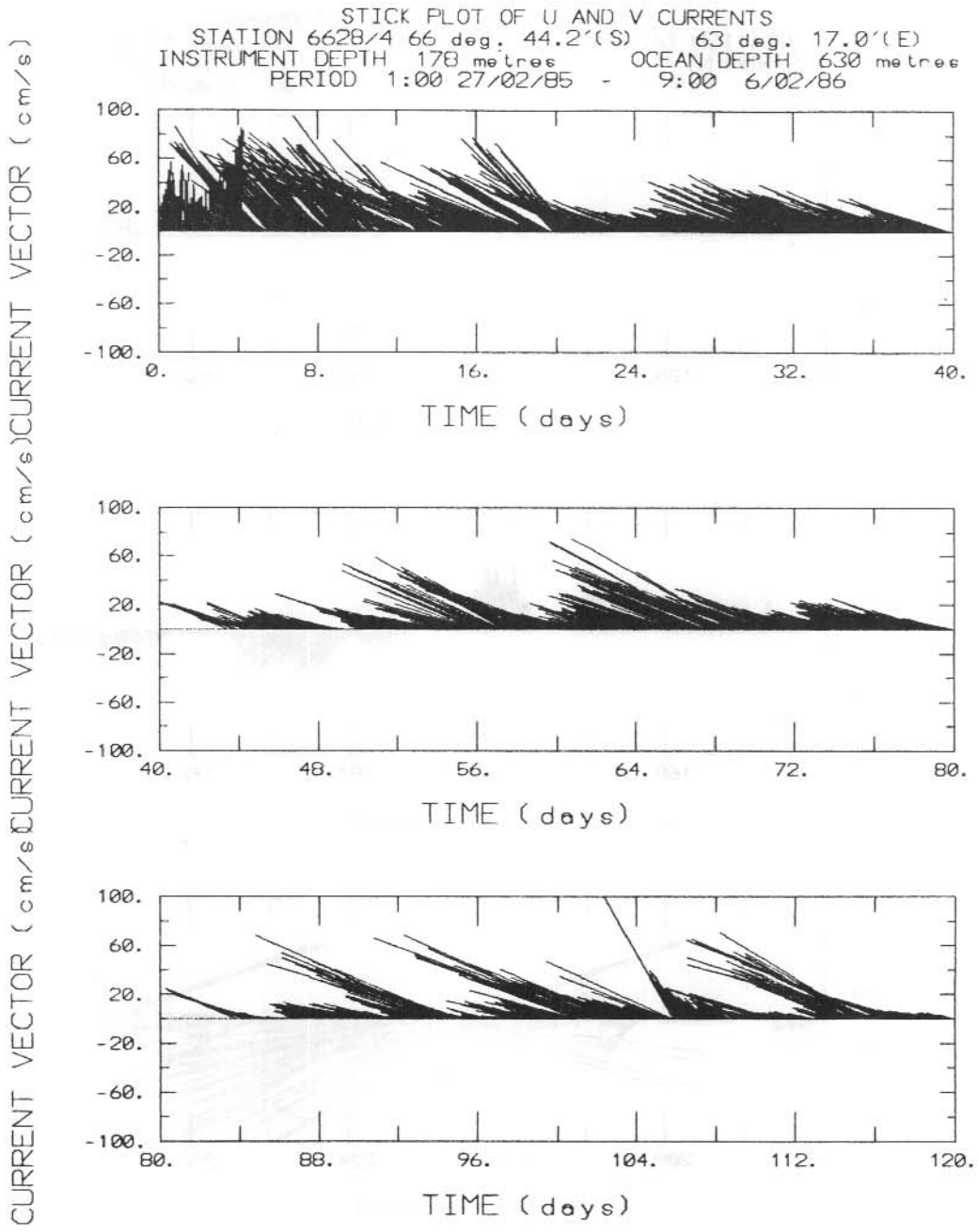

STICK PLOT OF U AND V CURRENTS
STATION 7735/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 296 metres OCEAN DEPTH 640 metres
PERIOD 1:26 14/01/85 - 6:26 10/07/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
0.
8.
16.
24.
32.
40.
TIME (days)
40.
48.
56.
64.
72.
80.
80.
88.
96.
104.
112.
120.

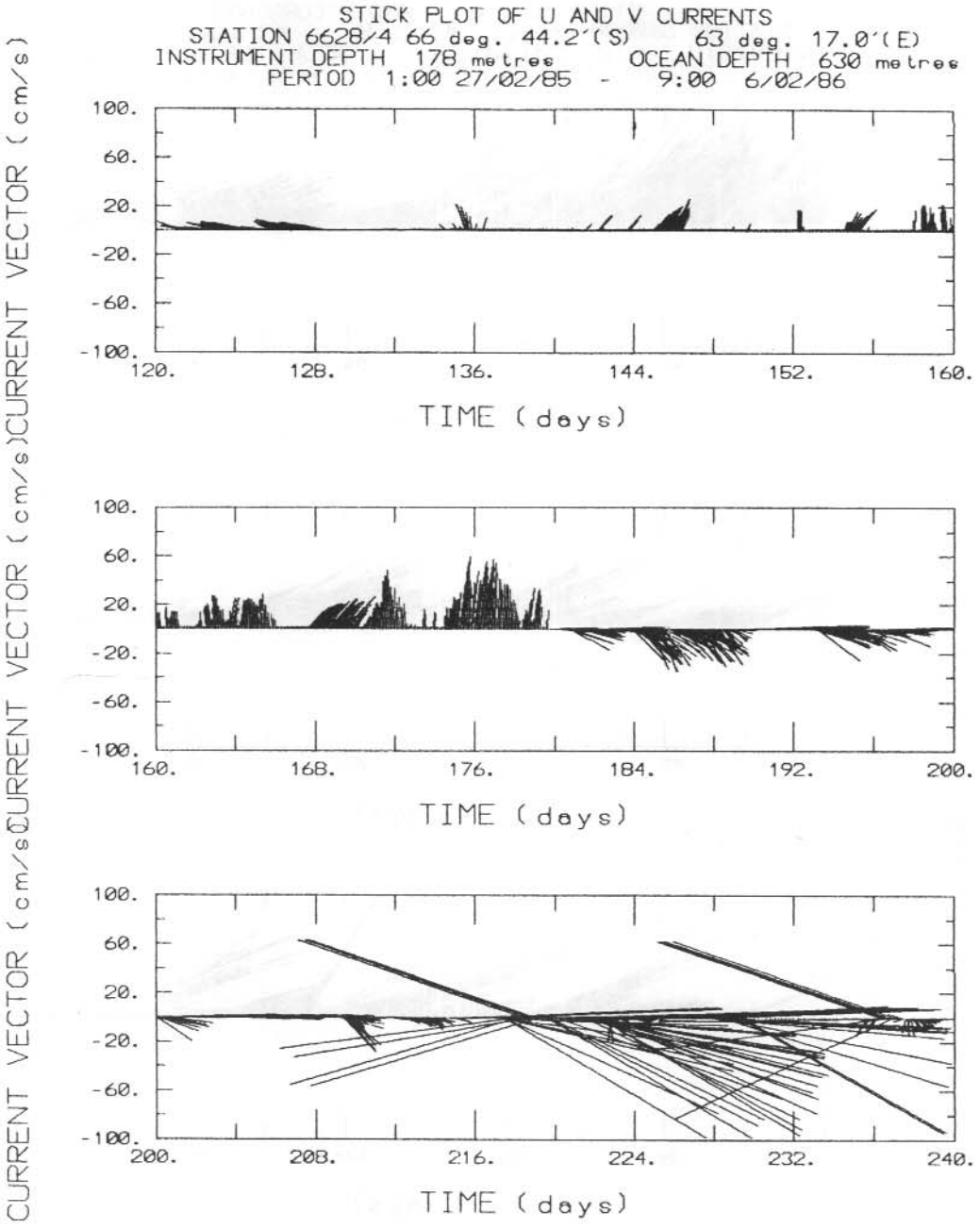

STICK PLOT OF U AND V CURRENTS
STATION 7735/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 296 metres OCEAN DEPTH 640 metres
PERIOD 1:26 14/01/85 - 6:26 10/07/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
120.
128.
136.
144.
152.
160.
TIME (days)
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
160.
168.
176.
184.
192.
200.
TIME (days)

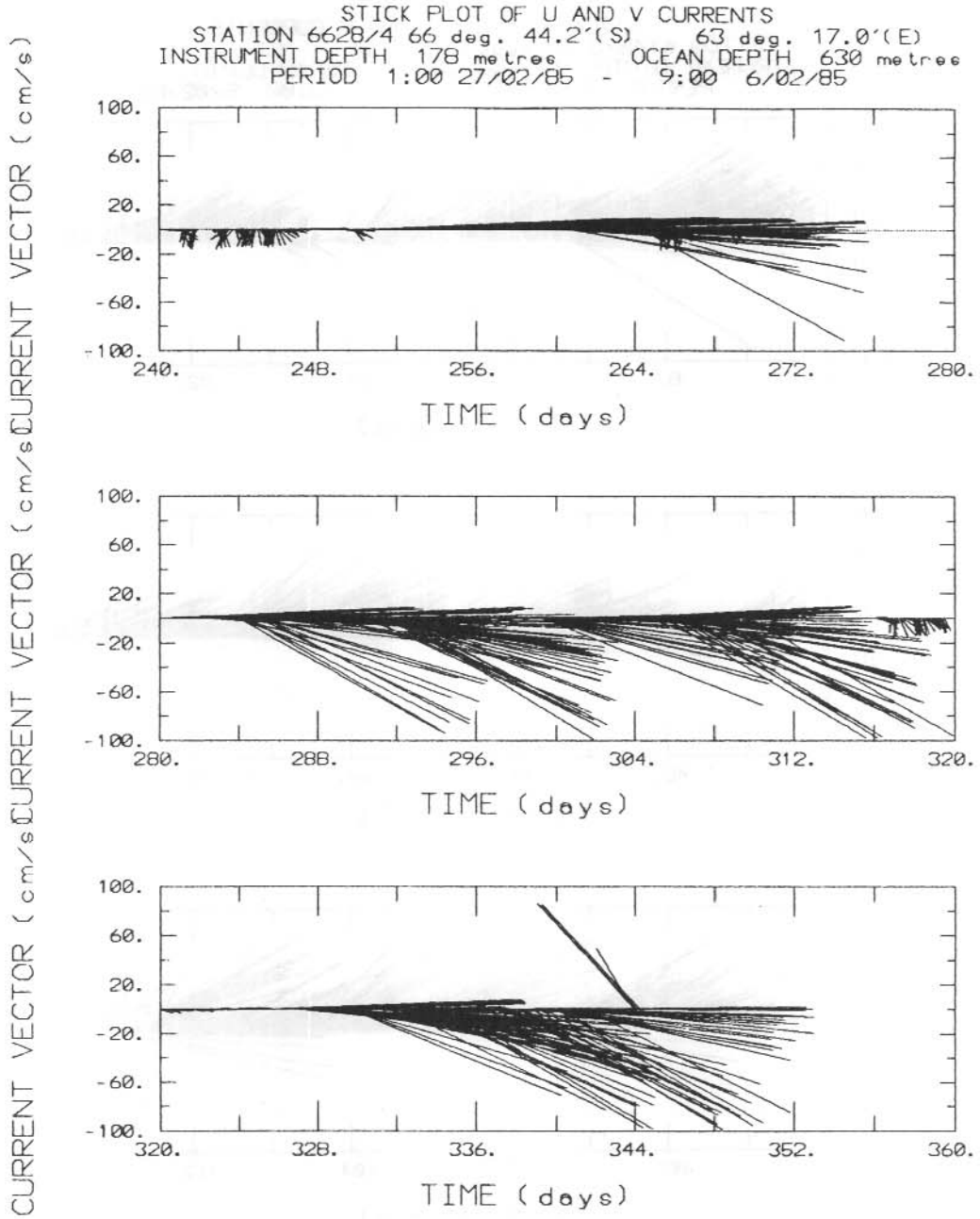

STICK PLOT OF U AND V CURRENTS
STATION 7737/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 487 metres OCEAN DEPTH 640 metres
PERIOD 1:25 14/01/85 - 2:25 28/07/85
CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
0.
8.
16.
24.
32.
40.
TIME (days)
40.
48.
56.
64.
72.
80.
80.
88.
96.
104.
112.
120.

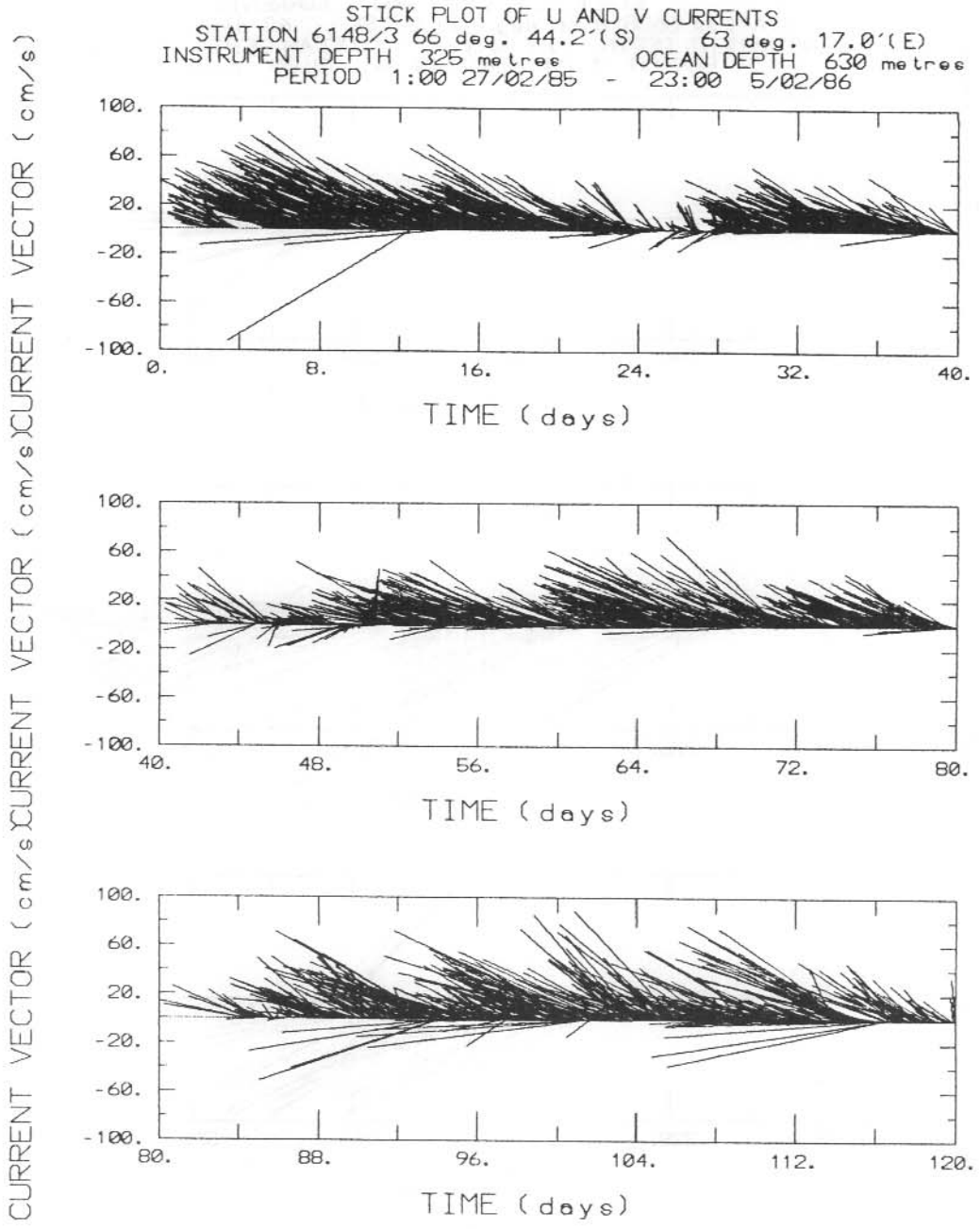

STICK PLOT OF U AND V CURRENTS
STATION 7737/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 487 metres OCEAN DEPTH 640 metres
PERIOD 1:25 14/01/85 - 2:25 28/07/85
CURRENT VECTOR (cm/s) CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
120.
128.
136.
144.
152.
160.
TIME (days)
50.
30.
10.
-10.
-30.
-50.
160.
168.
176.
184.
192.
200.
TIME (days)

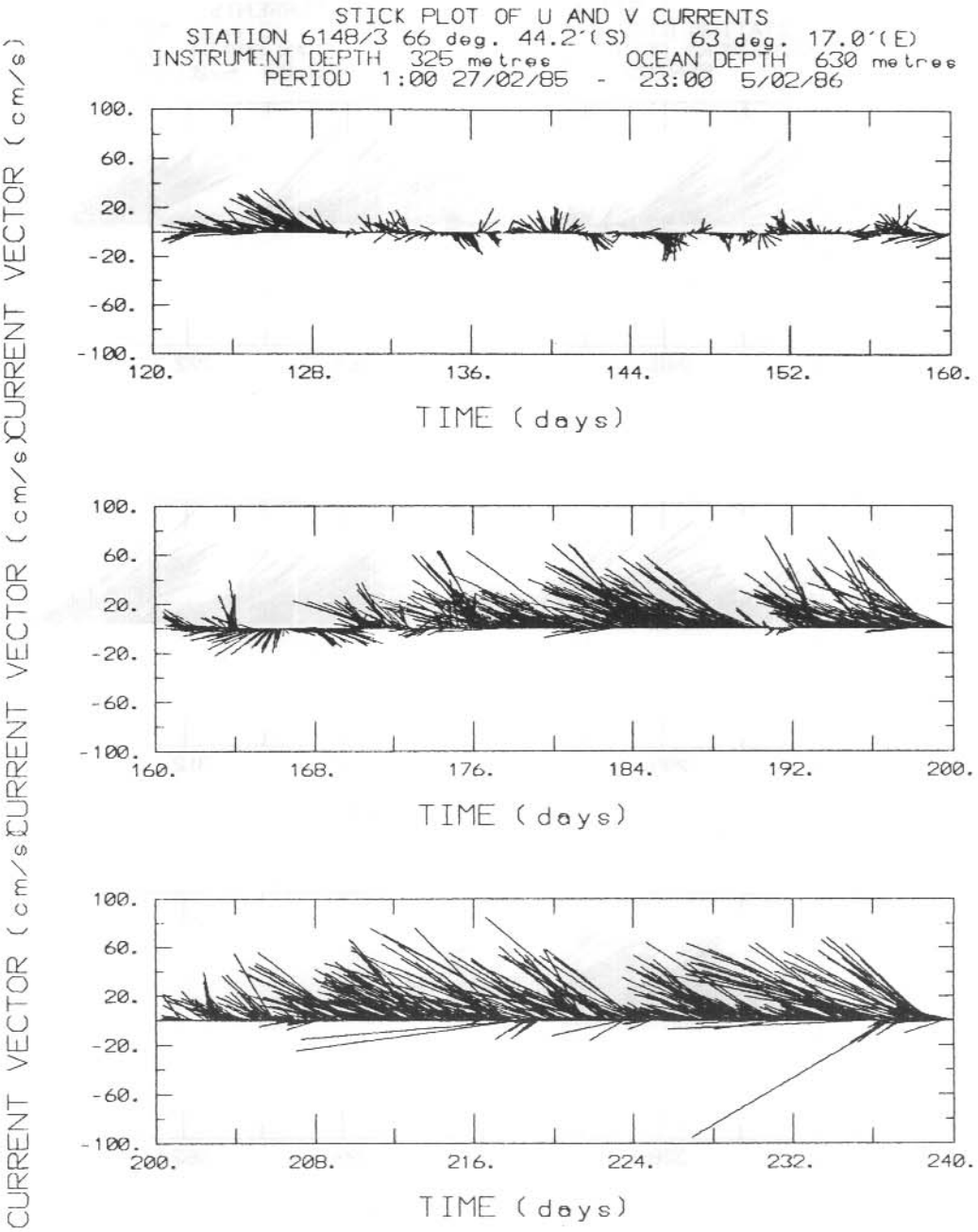

STICK PLOT OF U AND V CURRENTS
STATION 7623/2 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 640 metres OCEAN DEPTH 640 metres
PERIOD 1:25 14/01/85 - 10:25 13/05/85
CURRENT VECTOR (cm/s) CURRENT VECTOR (cm/s) CURRENT VECTOR (cm/s)
50.
30.
10.
-10.
-30.
-50.
0.
8.
16.
24.
32.
40.
TIME (days)
40.
48.
56.
64.
72.
80.
TIME (days)
80.
88.
96.
104.
112.
120.
TIME (days)

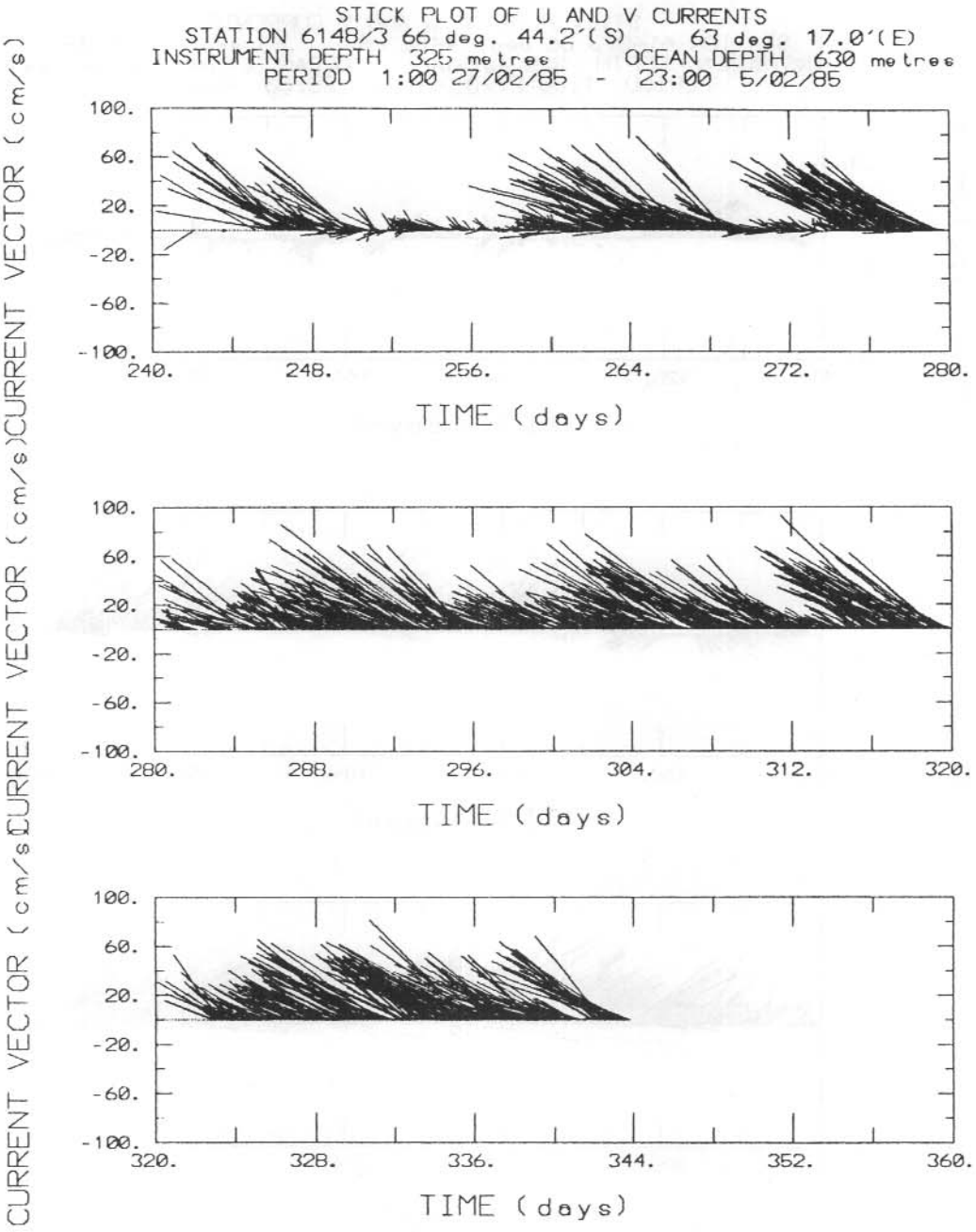

STICK PLOT OF U AND V CURRENTS
STATION 6628/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 178 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 9:00 6/02/86
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
0.
8.
16.
24.
32.
40.
TIME (days)
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
40.
48.
56.
64.
72.
80.
TIME (days)
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
80.
88.
96.
104.
112.
120.
TIME (days)

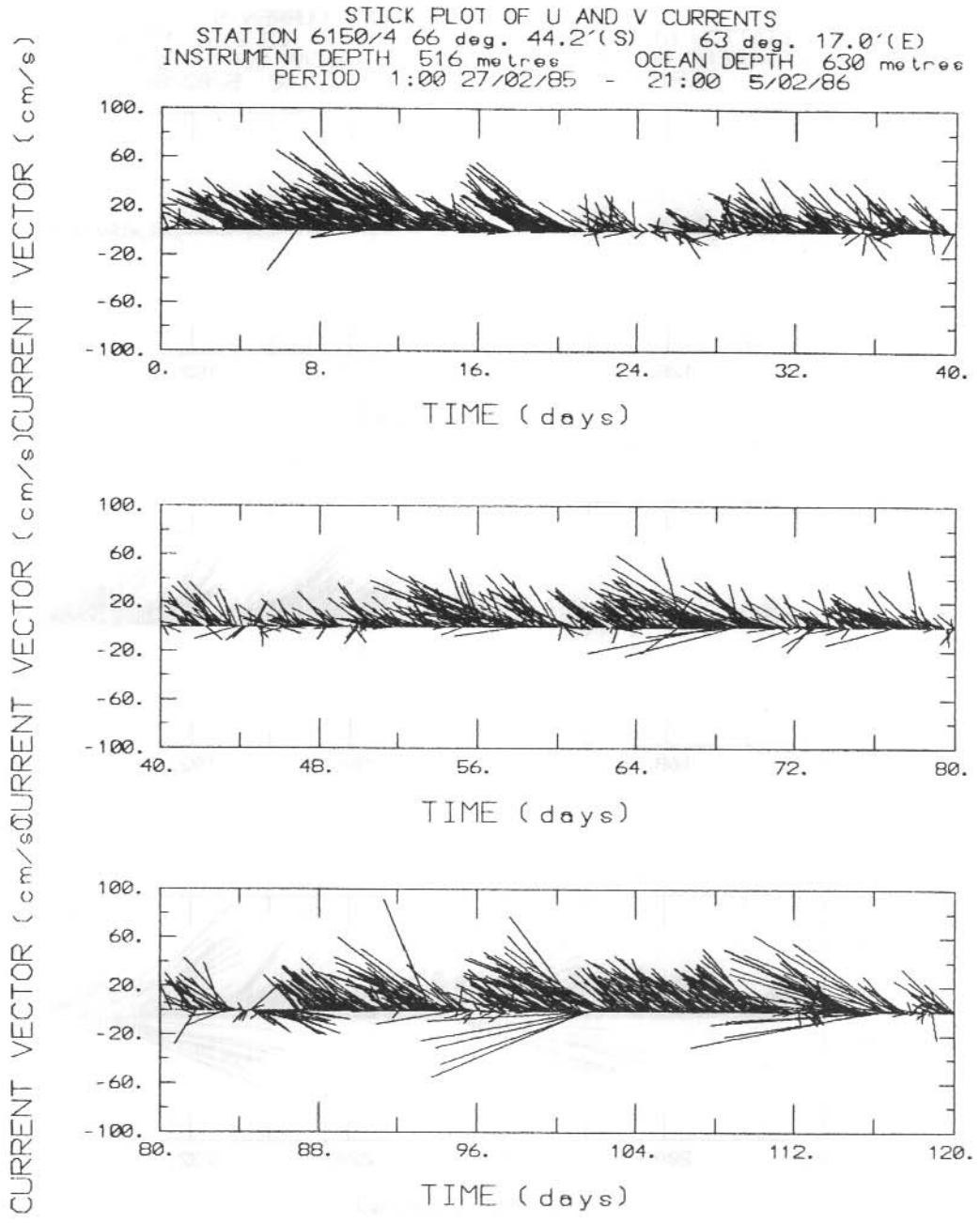

STICK PLOT OF U AND V CURRENTS
STATION 6628/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 178 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 9:00 6/02/86
CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
120.
128.
136.
144.
152.
160.
TIME (days)
160.
168.
176.
184.
192.
200.
TIME (days)
200.
208.
216.
224.
232.
240.
TIME (days)

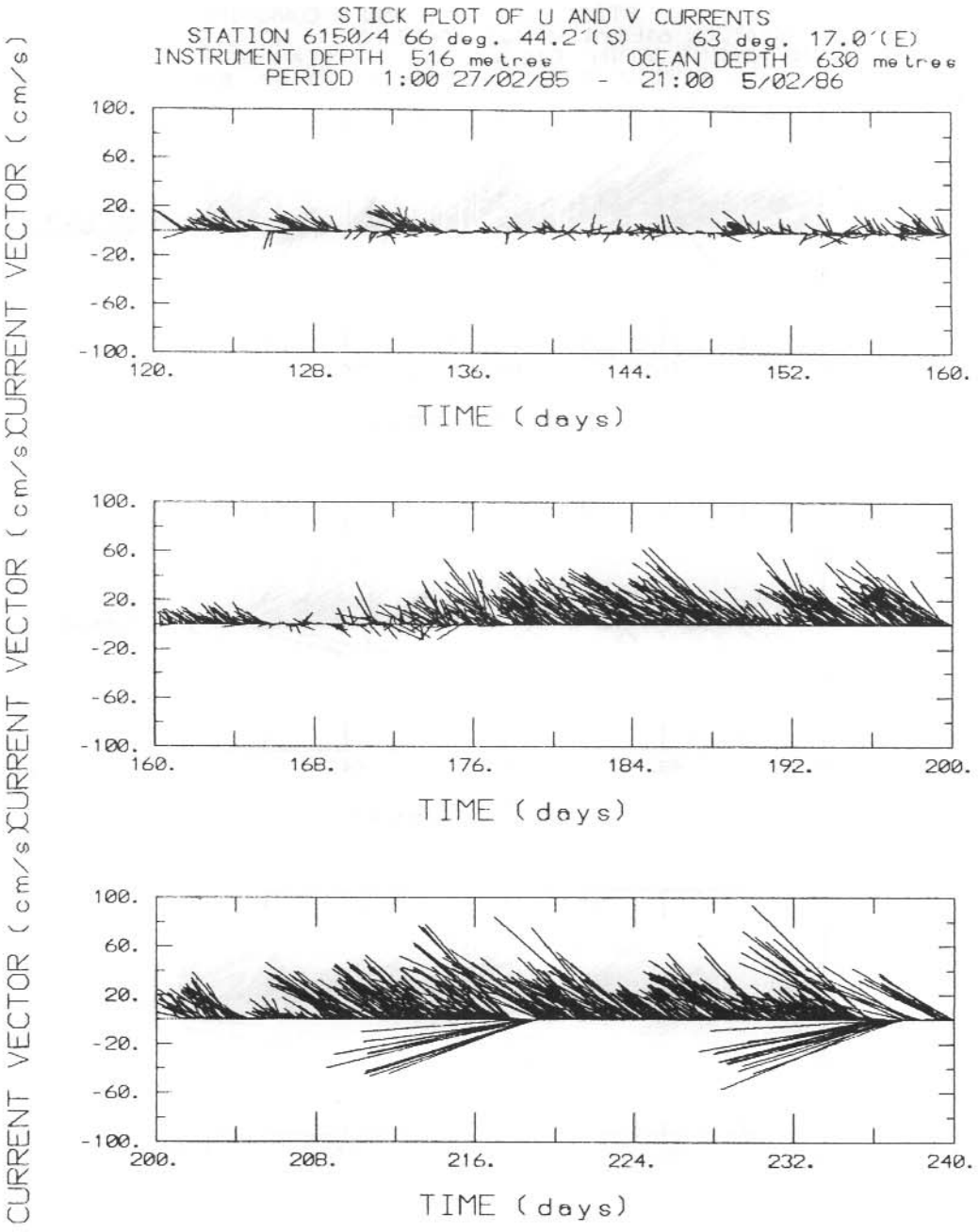

STICK PLOT OF U AND V CURRENTS
STATION 6628/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 178 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 9:00 6/02/85
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
240.
248.
256.
264.
272.
280.
TIME (days)
280.
288.
296.
304.
312.
320.
320.
328.
336.
344.
352.
360.

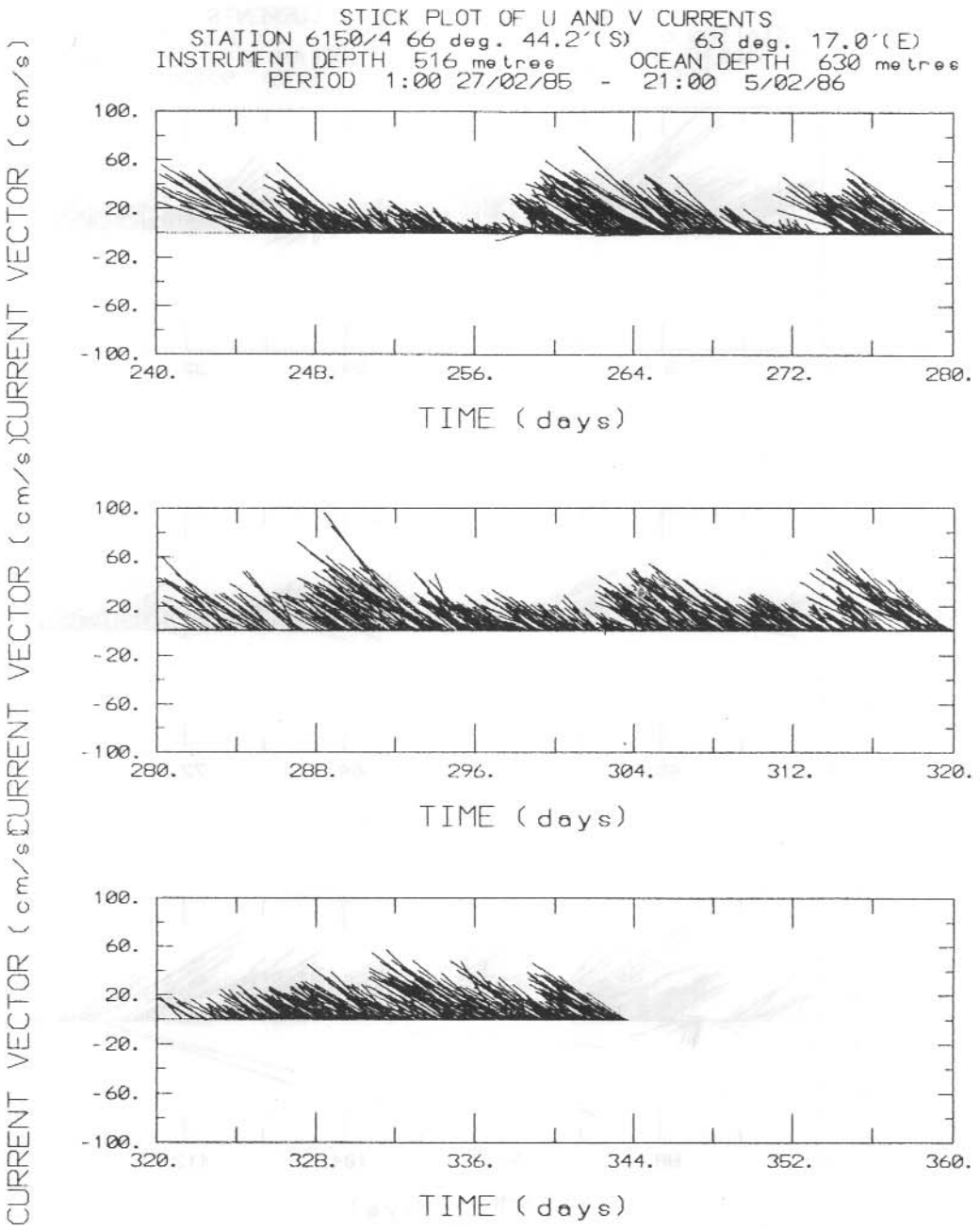

STICK PLOT OF U AND V CURRENTS
STATION 6148/3 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 325 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 23:00 5/02/86
CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
0.
8.
16.
24.
32.
40.
TIME (days)
100.
60.
20.
-20.
-60.
-100.
40.
48.
56.
64.
72.
80.
TIME (days)
100.
60.
20.
-20.
-60.
-100.
80.
88.
96.
104.
112.
120.
TIME (days)

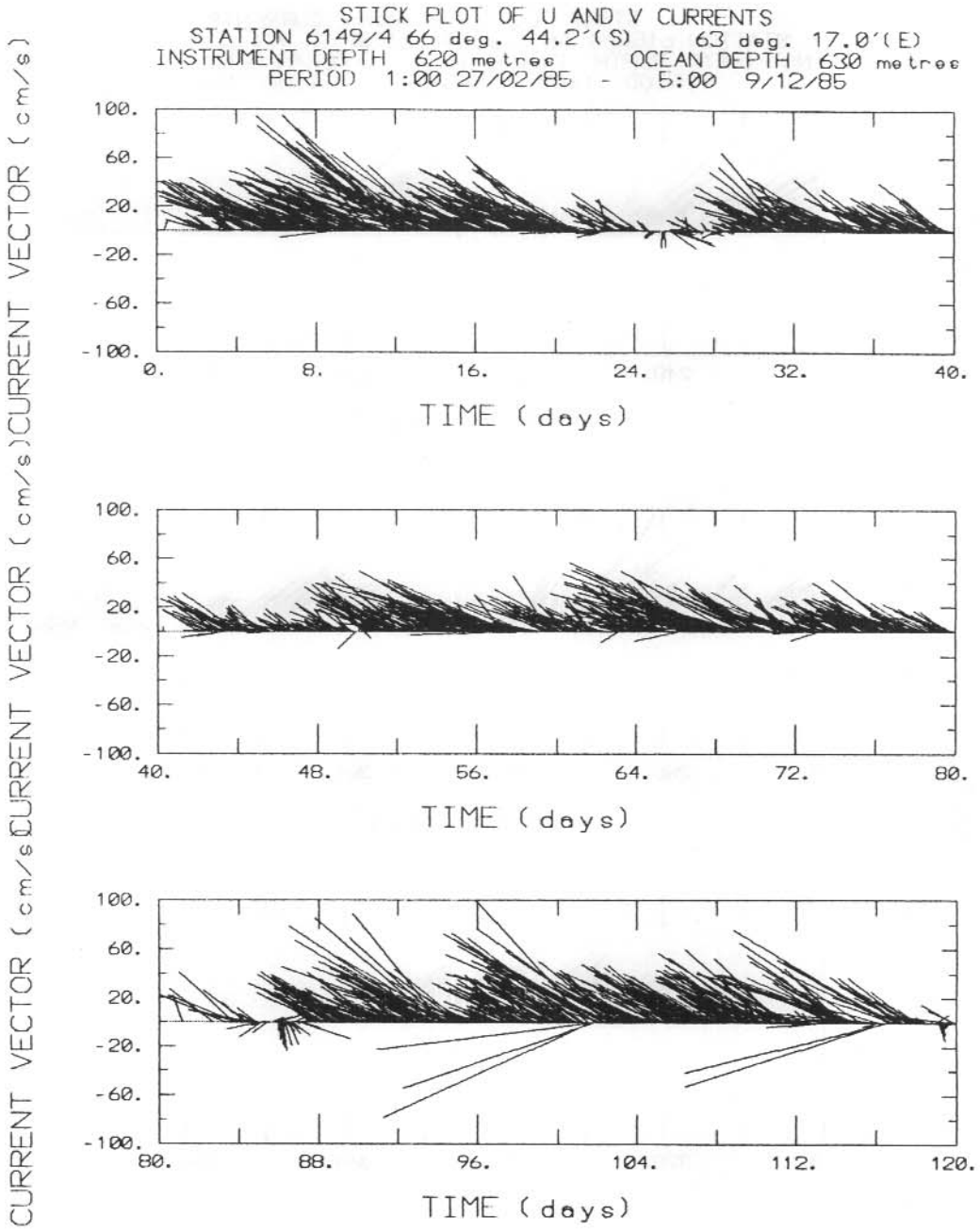

STICK PLOT OF U AND V CURRENTS
STATION 6148/3 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 325 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 23:00 5/02/86
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
120.
128.
136.
144.
152.
160.
TIME (days)
160.
168.
176.
184.
192.
200.
208.
216.
224.
232.
240.

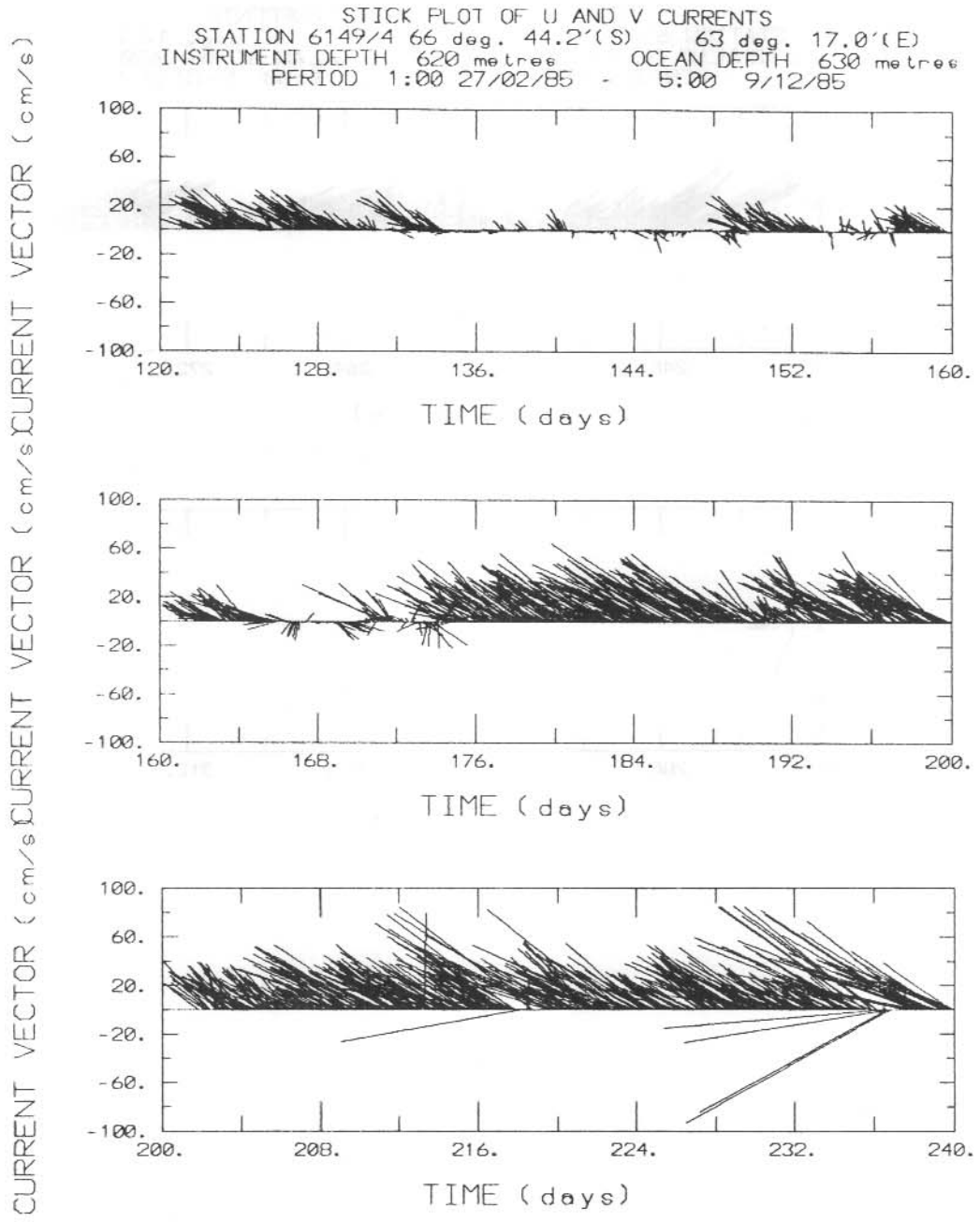

STICK PLOT OF U AND V CURRENTS
STATION 6148/3 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 325 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 23:00 5/02/85
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
240.
248.
256.
264.
272.
280.
TIME (days)
280.
288.
296.
304.
312.
320.
320.
328.
336.
344.
352.
360.

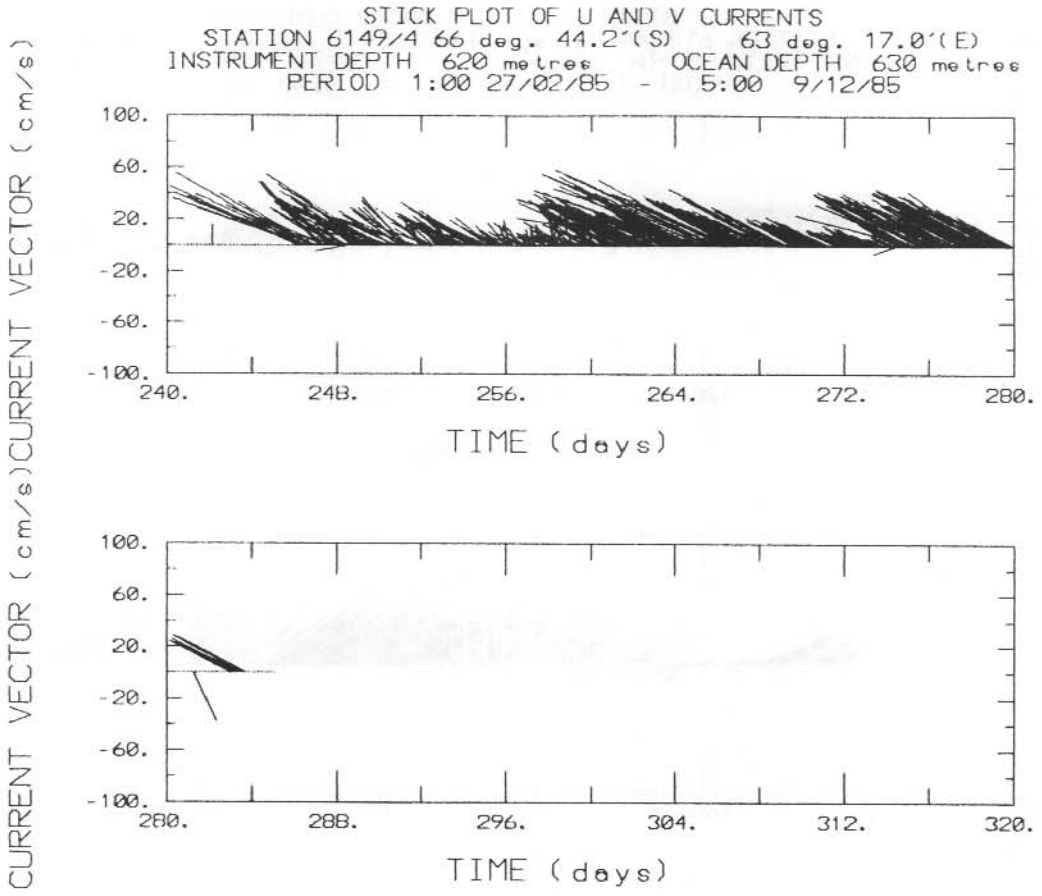

STICK PLOT OF U AND V CURRENTS
STATION 6150/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 516 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 21:00 5/02/86
CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
0.
8.
16.
24.
32.
40.
TIME (days)
40.
48.
56.
64.
72.
80.
TIME (days)
80.
88.
96.
104.
112.
120.
TIME (days)


STICK PLOT OF U AND V CURRENTS
STATION 6150/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 516 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 21:00 5/02/86
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
120.
128.
136.
144.
152.
160.
TIME (days)
160.
168.
176.
184.
192.
200.
200.
208.
216.
224.
232.
240.


STICK PLOT OF U AND V CURRENTS
STATION 6150/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 516 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 21:00 5/02/86
CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
240.
248.
256.
264.
272.
280.
TIME (days)
280.
288.
296.
304.
312.
320.
320.
328.
336.
344.
352.
360.


STICK PLOT OF U AND V CURRENTS
STATION 6149/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 620 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 5:00 9/12/85
CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
0.
8.
16.
24.
32.
40.
TIME (days)
40.
48.
56.
64.
72.
80.
TIME (days)
80.
88.
96.
104.
112.
120.
TIME (days)


STICK PLOT OF U AND V CURRENTS
STATION 6149/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 620 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 5:00 9/12/85
CURRENT VECTOR (cm/s
CURRENT VECTOR (cm/s
CURRENT VECTOR (cm/s
100.
60.
20.
-20.
-60.
-100.
120.
128.
136.
144.
152.
160.
TIME (days)
160.
168.
176.
184.
192.
200.
TIME (days)
200.
208.
216.
224.
232.
240.
TIME (days)


STICK PLOT OF U AND V CURRENTS
STATION 6149/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 620 metres OCEAN DEPTH 630 metres
PERIOD 1:00 27/02/85 - 5:00 9/12/85
CURRENT VECTOR (cm/s)CURRENT VECTOR (cm/s)
100.
60.
20.
-20.
-60.
-100.
240.
248.
256.
264.
272.
280.
TIME (days)
100.
60.
20.
-20.
-60.
-100.
280.
288.
296.
304.
312.
320.
TIME (days)

Appendix IX. Tidal height analyses

Plots are arranged in order of moorings (1,3,4) and within these sections, from the shallowest to the deepest current meter. Tidal constitutents for CM77382C.DAT covering period 16 January 1985 to 12 November 1985, Mooring 1, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	221.4794	.00
SSA	4382.9060	.0002	.9069	137.92
MSM	763.4866	.0013	.1563	242.58
MM	661.3092	.0015	1.0047	314.84
MSF	354.3671	.0028	2.3682	343.86
MF	327.8590	.0031	3.6286	204.06
ALP1	29.0727	.0344	.4207	320.06
2Q1	28.0062	.0357	.2426	339.84
SIG1	27.8484	.0359	.5839	280.48
Q1	26.8684	.0372	1.1679	352.00
RHO1	26.7231	.0374	.1241	52.11
O1	25.8193	.0387	4.9830	3.41
TAU1	25.6681	.0390	1.3730	64.44
BET1	24.9748	.0400	.3892	323.87
NO1	24.8332	.0403	.1367	31.37
CHI1	24.7091	.0405	.4408	63.25
P1	24.0659	.0416	1.8496	17.33
K1	23.9345	.0418	3.9464	43.67
PHI1	23.8045	.0420	.3278	30.05
THE1	23.2070	.0431	.3069	162.34
J1	23.0985	.0433	.2247	46.48
SO1	22.4202	.0446	.4461	193.97
OO1	22.3061	.0448	.1559	322.01
UPS1	21.5782	.0463	.1072	304.05
OQ2	13.1622	.0760	.4018	4.59
EPS2	13.1273	.0762	.1909	327.39
2N2	12.9054	.0775	.9008	39.37
MU2	12.8718	.0777	.3155	359.05
N2	12.6583	.0790	.7484	184.15
NU2	12.6260	.0792	.5408	184.78
M2	12.4206	.0805	2.7347	202.36
MKS2	12.3855	.0807	.2919	105.47
LDA2	12.2218	.0818	.2472	61.31
L2	12.1916	.0820	.0871	152.21
S2	12.0000	.0833	.1382	205.63
K2	11.9672	.0836	.5310	92.39
MSN2	11.7861	.0848	.1246	155.34
ETA2	11.7545	.0851	.1827	146.86
MO3	8.3863	.1192	.8303	36.83
M3	8.2804	.1208	.1617	310.30
SO3	8.1924	.1221	.3313	94.29
MK3	8.1771	.1223	.7460	72.21
SK3	7.9927	.1251	.1565	106.99
MN4	6.2692	.1595	.2376	171.62
M4	6.2103	.1610	.2959	188.62
SN4	6.1602	.1623	.1368	147.32
MS4	6.1033	.1638	.3165	201.58
MK4	6.0949	.1641	.2273	55.41
S4	6.0000	.1667	.1267	165.92
SK4	5.9918	.1669	.1159	83.40
2MK5	4.9309	.2028	.2004	341.47
2SK5	4.7974	.2084	.0497	63.71
2MN6	4.1663	.2400	.0696	100.25
M6	4.1402	.2415	.0692	78.42
2MS6	4.0924	.2444	.0841	209.46
2MK6	4.0886	.2446	.0352	79.04
2SM6	4.0457	.2472	.0135	317.95
MSK6	4.0419	.2474	.0252	113.07
3MK7	3.5296	.2833	.0634	352.87
M8	3.1052	.3220	.0046	134.20

Tidal constituents for CM77932C.DAT covering period 15 January 1985 to 28 September 1985, Mooring 3, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	524.4736	.00
SSA	4382.9060	.0002	.3432	202.62
MSM	763.4866	.0013	.4325	217.64
MM	661.3092	.0015	.6276	209.47
MSF	354.3671	.0028	1.9583	300.57
MF	327.8590	.0031	1.7940	173.55
ALP1	29.0727	.0344	.1414	289.73
2Q1	28.0062	.0357	.5653	202.24
SIG1	27.8484	.0359	.5916	310.98
Q1	26.8684	.0372	1.9811	5.20
RHO1	26.7231	.0374	.2191	356.08
O1	25.8193	.0387	7.5889	15.67
TAU1	25.6681	.0390	.3299	52.56
BET1	24.9748	.0400	.2072	315.15
NO1	24.8332	.0403	.5104	39.00
CHI1	24.7091	.0405	.1638	14.57
P1	24.0659	.0416	2.2833	13.19
K1	23.9345	.0418	5.9430	31.97
PHI1	23.8045	.0420	.5547	28.13
THE1	23.2070	.0431	.2133	132.52
J1	23.0985	.0433	.2320	18.93
SO1	22.4202	.0446	.1029	29.04
OO1	22.3061	.0448	.1462	115.48
UPS1	21.5782	.0463	.1020	48.28
OQ2	13.1622	.0760	.2596	242.07
EPS2	13.1273	.0762	.1523	295.19
2N2	12.9054	.0775	.3253	144.54
MU2	12.8718	.0777	.2241	188.27
N2	12.6583	.0790	.3949	209.80
NU2	12.6260	.0792	.0416	223.11
M2	12.4206	.0805	1.7789	197.15
MKS2	12.3855	.0807	.3621	160.76
LDA2	12.2218	.0818	.1669	14.49
L2	12.1916	.0820	.1970	155.24
S2	12.0000	.0833	.9785	175.39
K2	11.9672	.0836	.1333	48.51
MSN2	11.7861	.0848	.1576	44.20
ETA2	11.7545	.0851	.0941	123.62
MO3	8.3863	.1192	.5358	15.38
M3	8.2804	.1208	.1861	270.85
SO3	8.1924	.1221	.3691	22.03
MK3	8.1771	.1223	.3633	5.58
SK3	7.9927	.1251	.2579	333.10
MN4	6.2692	.1595	.0722	180.04
M4	6.2103	.1610	.0669	263.39
SN4	6.1602	.1623	.0615	120.26
MS4	6.1033	.1638	.0741	336.49
MK4	6.0949	.1641	.0351	74.38
S4	6.0000	.1667	.0388	108.59
SK4	5.9918	.1669	.0416	136.68
2MK5	4.9309	.2028	.0639	230.63
2SK5	4.7974	.2084	.0251	307.03
2MN6	4.1663	.2400	.0773	24.10
M6	4.1402	.2415	.0618	14.89
2MS6	4.0924	.2444	.0589	58.27
2MK6	4.0886	.2446	.0328	237.78
2SM6	4.0457	.2472	.0271	146.52
MSK6	4.0419	.2474	.0193	266.12
3MK7	3.5296	.2833	.0222	146.23
M8	3.1052	.3220	.0498	91.33

Tidal constitutents for CM77921C.DAT covering period 16 January 1985 to 15 July 1985, Mooring 1, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	945.8271	.00
MM	661.3092	.0015	.9098	219.96
MSF	354.3671	.0028	2.4384	310.11
ALP1	29.0727	.0344	.0451	175.92
2Q1	28.0062	.0357	.5472	95.29
Q1	26.8684	.0372	1.9871	275.84
O1	25.8193	.0387	8.1288	302.99
NO1	24.8332	.0403	.7677	301.83
P1	24.0659	.0416	2.0505	345.91
K1	23.9345	.0418	6.1963	338.86
J1	23.0985	.0433	.1829	289.12
OO1	22.3061	.0448	.4026	38.71
UPS1	21.5782	.0463	.1789	7.32
EPS2	13.1273	.0762	.1698	115.15
MU2	12.8718	.0777	.3791	272.71
N2	12.6583	.0790	.0596	46.94
M2	12.4206	.0805	1.3786	71.51
L2	12.1916	.0820	.4613	179.37
S2	12.0000	.0833	.9632	84.35
K2	11.9672	.0836	.2621	106.78
ETA2	11.7545	.0851	.1276	282.61
MO3	8.3863	.1192	.0578	290.11
M3	8.2804	.1208	.1968	88.61
MK3	8.1771	.1223	.3010	230.87
SK3	7.9927	.1251	.0676	238.29
MN4	6.2692	.1595	.1470	354.48
M4	6.2103	.1610	.1718	58.63
SN4	6.1602	.1623	.0105	167.42
MS4	6.1033	.1638	.1379	67.77
S4	6.0000	.1667	.1170	311.45
2MK5	4.9309	.2028	.0616	177.53
2SK5	4.7974	.2084	.1030	194.02
2MN6	4.1663	.2400	.0849	347.92
M6	4.1402	.2415	.0653	20.70
2MS6	4.0924	.2444	.0420	81.02
2SM6	4.0457	.2472	.0573	263.44
3MK7	3.5296	.2833	.0414	171.93
M8	3.1052	.3220	.0567	139.10

Tidal constituents for CM77942C.DAT covering period 14 January 1985 to 19 June 1985, Mooring 3, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	280.2160	.00
MM	661.3092	.0015	.4255	211.25
MSF	354.3671	.0028	1.0543	207.65
ALP1	29.0727	.0344	.1205	184.18
2Q1	28.0062	.0357	.1045	4.13
Q1	26.8684	.0372	.0997	108.66
O1	25.8193	.0387	.5266	86.23
NO1	24.8332	.0403	.0531	244.99
P1	24.0659	.0416	.2300	118.62
K1	23.9345	.0418	.6951	111.63
J1	23.0985	.0433	.0914	340.71
OO1	22.3061	.0448	.0881	130.81
UPS1	21.5782	.0463	.1222	165.82
EPS2	13.1273	.0762	.3420	99.81
MU2	12.8718	.0777	.0656	226.37
N2	12.6583	.0790	.0593	9.25
M2	12.4206	.0805	.3498	53.49
L2	12.1916	.0820	.0822	200.98
S2	12.0000	.0833	.6472	133.10
K2	11.9672	.0836	.1761	155.58
ETA2	11.7545	.0851	.1371	326.76
MO3	8.3863	.1192	.2020	121.11
M3	8.2804	.1208	.1097	266.20
MK3	8.1771	.1223	.0348	232.34
SK3	7.9927	.1251	.0803	352.13
MN4	6.2692	.1595	.0535	283.71
M4	6.2103	.1610	.0300	256.24
SN4	6.1602	.1623	.0738	111.30
MS4	6.1033	.1638	.0735	90.44
S4	6.0000	.1667	.0711	299.84
2MK5	4.9309	.2028	.0597	151.42
2SK5	4.7974	.2084	.0552	310.19
2MN6	4.1663	.2400	.0813	122.73
M6	4.1402	.2415	.0261	318.76
2MS6	4.0924	.2444	.0810	43.08
2SM6	4.0457	.2472	.0309	216.61
3MK7	3.5296	.2833	.0198	146.21
M8	3.1052	.3220	.1495	210.91

Tidal constituents for CM77352C.DAT covering period 14 January 1985 to 24 June 1985, Mooring 3, depth 296 m, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	578.5392	.00
MM	661.3092	.0015	.3634	259.86
MSF	354.3671	.0028	.4386	247.30
ALP1	29.0727	.0344	.1359	333.72
2Q1	28.0062	.0357	.1061	4.49
Q1	26.8684	.0372	.1377	64.28
O1	25.8193	.0387	.2870	106.67
NO1	24.8332	.0403	.0469	.38
P1	24.0659	.0416	.1200	126.99
K1	23.9345	.0418	.3626	119.95
J1	23.0985	.0433	.0973	263.93
OO1	22.3061	.0448	.0326	240.74
UPS1	21.5782	.0463	.0389	221.06
EPS2	13.1273	.0762	.0446	301.94
MU2	12.8718	.0777	.1939	218.87
N2	12.6583	.0790	.1253	6.88
M2	12.4206	.0805	.0508	78.86
L2	12.1916	.0820	.0488	118.41
S2	12.0000	.0833	.2505	107.08
K2	11.9672	.0836	.0682	129.52
ETA2	11.7545	.0851	.0362	75.38
MO3	8.3863	.1192	.0735	170.72
M3	8.2804	.1208	.0532	273.26
MK3	8.1771	.1223	.0271	72.14
SK3	7.9927	.1251	.0551	186.97
MN4	6.2692	.1595	.0398	351.77
M4	6.2103	.1610	.0943	329.27
SN4	6.1602	.1623	.0428	310.19
MS4	6.1033	.1638	.1009	131.54
S4	6.0000	.1667	.1046	62.08
2MK5	4.9309	.2028	.0290	308.91
2SK5	4.7974	.2084	.0516	265.29
2MN6	4.1663	.2400	.0412	189.19
M6	4.1402	.2415	.0258	313.29
2MS6	4.0924	.2444	.0535	324.33
2SM6	4.0457	.2472	.0543	294.22
3MK7	3.5296	.2833	.0630	3.41
M8	3.1052	.3220	.0494	268.14

Tidal constituents for CM77372C.DAT covering period 14 January 1985 to 19 July 1985, Mooring 3, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	959.7605	.00
SSA	4382.9060	.0002	2.3514	51.76
MM	661.3092	.0015	.6619	240.46
MSF	354.3671	.0028	1.0835	170.05
MF	327.8590	.0031	1.1203	289.90
ALP1	29.0727	.0344	.0353	304.31
2Q1	28.0062	.0357	.0840	146.08
Q1	26.8684	.0372	.1466	77.74
O1	25.8193	.0387	.5680	96.77
TAU1	25.6681	.0390	.1564	173.40
BET1	24.9748	.0400	.1126	307.12
NO1	24.8332	.0403	.0471	33.77
P1	24.0659	.0416	.1859	91.51
K1	23.9345	.0418	.5545	107.06
PHI1	23.8045	.0420	.0300	281.89
J1	23.0985	.0433	.0521	69.10
SO1	22.4202	.0446	.1615	198.76
OO1	22.3061	.0448	.0709	128.56
UPS1	21.5782	.0463	.0319	49.80
EPS2	13.1273	.0762	.2478	279.83
MU2	12.8718	.0777	.4006	91.90
N2	12.6583	.0790	.2223	88.18
M2	12.4206	.0805	.1274	150.75
MKS2	12.3855	.0807	.2104	276.25
L2	12.1916	.0820	.1744	355.85
S2	12.0000	.0833	.4978	97.97
K2	11.9672	.0836	.1673	48.23
MSN2	11.7861	.0848	.1431	275.80
ETA2	11.7545	.0851	.0238	234.34
MO3	8.3863	.1192	.1131	76.09
M3	8.2804	.1208	.0743	276.05
SO3	8.1924	.1221	.1139	187.66
MK3	8.1771	.1223	.0372	340.04
SK3	7.9927	.1251	.0371	337.01
MN4	6.2692	.1595	.0430	343.14
M4	6.2103	.1610	.0316	265.32
SN4	6.1602	.1623	.0635	231.59
MS4	6.1033	.1638	.0994	80.45
MK4	6.0949	.1641	.0368	34.79
S4	6.0000	.1667	.0808	137.67
SK4	5.9918	.1669	.0520	340.78
2MK5	4.9309	.2028	.0462	132.77
2SK5	4.7974	.2084	.0679	334.67
2MN6	4.1663	.2400	.0661	47.63
M6	4.1402	.2415	.0174	269.09
2MS6	4.0924	.2444	.0230	169.92
2MK6	4.0886	.2446	.0277	226.42
2SM6	4.0457	.2472	.1268	127.56
MSK6	4.0419	.2474	.0673	68.54
3MK7	3.5296	.2833	.0373	30.29
M8	3.1052	.3220	.0627	325.94

Tidal constituents for CM76233C.DAT covering period 14 January 1985 to 4 May 1985, Mooring 3, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	1259.3440	.00
MM	661.3092	.0015	.6961	304.70
MSF	354.3671	.0028	.3272	189.13
ALP1	29.0727	.0344	.0167	155.93
2Q1	28.0062	.0357	.1198	121.26
Q1	26.8684	.0372	.1317	59.57
O1	25.8193	.0387	.3981	105.76
NO1	24.8332	.0403	.0834	26.98
P1	24.0659	.0416	.1465	121.09
K1	23.9345	.0418	.4428	114.05
J1	23.0985	.0433	.0725	229.81
OO1	22.3061	.0448	.0995	108.80
UPS1	21.5782	.0463	.1082	50.84
EPS2	13.1273	.0762	.1074	262.44
MU2	12.8718	.0777	.1107	87.12
N2	12.6583	.0790	.1303	326.35
M2	12.4206	.0805	.2735	47.74
L2	12.1916	.0820	.1891	317.76
S2	12.0000	.0833	.0993	123.97
K2	11.9672	.0836	.0270	146.40
ETA2	11.7545	.0851	.0378	8.02
MO3	8.3863	.1192	.0882	220.51
M3	8.2804	.1208	.0725	235.32
MK3	8.1771	.1223	.0098	298.50
SK3	7.9927	.1251	.0617	280.15
MN4	6.2692	.1595	.0166	252.09
M4	6.2103	.1610	.0221	182.11
SN4	6.1602	.1623	.0853	150.37
MS4	6.1033	.1638	.0612	265.21
S4	6.0000	.1667	.0775	58.65
2MK5	4.9309	.2028	.1032	168.22
2SK5	4.7974	.2084	.0480	246.48
2MN6	4.1663	.2400	.0309	266.65
M6	4.1402	.2415	.0147	307.64
2MS6	4.0924	.2444	.0398	158.19
2SM6	4.0457	.2472	.0295	258.59
3MK7	3.5296	.2833	.0508	324.60
M8	3.1052	.3220	.0847	90.77

Tidal constituents for CM66284C.DAT covering period 26 February 1985 to 3 July 1985, Mooring 3, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	390.2379	.00
MM	661.3092	.0015	7.0990	201.46
MSF	354.3671	.0028	9.7084	249.71
ALP1	29.0727	.0344	1.0777	268.62
2Q1	28.0062	.0357	.8642	305.19
Q1	26.8684	.0372	1.2715	7.30
O1	25.8193	.0387	1.0813	323.44
NO1	24.8332	.0403	1.1524	235.98
P1	24.0659	.0416	.3588	270.24
K1	23.9345	.0418	1.0841	263.17
J1	23.0985	.0433	.6895	109.96
OO1	22.3061	.0448	.3917	307.82
UPS1	21.5782	.0463	.5449	94.35
EPS2	13.1273	.0762	.3038	269.42
MU2	12.8718	.0777	.1804	296.78
N2	12.6583	.0790	.8892	278.79
M2	12.4206	.0805	4.7699	1.93
L2	12.1916	.0820	1.3216	57.40
S2	12.0000	.0833	2.5604	46.57
K2	11.9672	.0836	.6968	68.97
ETA2	11.7545	.0851	.7541	54.83
MO3	8.3863	.1192	.1674	303.57
M3	8.2804	.1208	.3241	217.78
MK3	8.1771	.1223	.3330	354.99
SK3	7.9927	.1251	.1739	96.89
MN4	6.2692	.1595	.0641	186.17
M4	6.2103	.1610	.3753	195.09
SN4	6.1602	.1623	.1914	321.12
MS4	6.1033	.1638	.6514	181.94
S4	6.0000	.1667	.4511	222.02
2MK5	4.9309	.2028	.1535	292.69
2SK5	4.7974	.2084	.2504	238.08
2MN6	4.1663	.2400	.3743	115.04
M6	4.1402	.2415	.4560	167.43
2MS6	4.0924	.2444	.2446	267.72
2SM6	4.0457	.2472	.1144	183.86
3MK7	3.5296	.2833	.0617	55.37
M8	3.1052	.3220	.1878	91.47

Tidal constituents for CM61483C.DAT covering period 27 February 1985 to 4 February 1986, Mooring 3, Prydz Bay, Antarctica.

COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	588.6987	.00
SSA	4382.9060	.0002	12.1660	256.42
MSM	763.4866	.0013	4.4157	321.65
MM	661.3092	.0015	4.5221	248.09
MSF	354.3671	.0028	6.8166	259.82
MF	327.8590	.0031	4.5394	117.44
ALP1	29.0727	.0344	.1559	179.85
2QT	28.0062	.0357	.2473	74.35
SIG1	27.8484	.0359	.5793	283.09
QT	26.8684	.0372	.1070	325.53
RHO1	26.7231	.0374	.4265	273.89
OT	25.8193	.0387	.5838	253.36
TAU1	25.6681	.0390	.9275	.82
BE11	24.9748	.0400	.4283	48.11
NO1	24.8332	.0403	.2703	309.79
CH11	24.7091	.0405	.3813	343.38
P1	24.0659	.0416	.4282	270.03
K1	23.9345	.0418	.5852	245.03
PH11	23.8045	.0420	.7205	251.66
THE1	23.2070	.0431	.2818	261.90
J1	23.0985	.0433	.1770	159.70
SO1	22.4202	.0446	.4763	334.69
OO1	22.3061	.0448	.4989	305.58
UPS1	21.5782	.0463	.5918	62.25
OQ2	13.1622	.0760	.3938	141.94
EPS2	13.1273	.0762	.6239	71.11
2N2	12.9054	.0775	.3266	209.68
MU2	12.8718	.0777	.6779	122.46
N2	12.6583	.0790	.8434	108.53
NU2	12.6260	.0792	.1695	319.09
M2	12.4206	.0805	4.2893	158.82
MKS2	12.3855	.0807	.5643	312.35
LDA2	12.2218	.0818	.5246	356.12
L2	12.1916	.0820	.7674	226.07
S2	12.0000	.0833	3.0191	199.90
K2	11.9672	.0836	.5585	197.24
MSN2	11.7861	.0848	.2941	3.28
ETA2	11.7545	.0851	.0759	347.10
MO3	8.3863	.1192	.2896	243.70
M3	8.2804	.1208	.4138	115.36
SO3	8.1924	.1221	.1999	233.46
MK3	8.1771	.1223	.2995	345.49
SK3	7.9927	.1251	.2741	65.18
MN4	6.2692	.1595	.0611	157.42
M4	6.2103	.1610	.0541	333.96
SN4	6.1602	.1623	.3618	94.75
MS4	6.1033	.1638	.3550	175.01
MK4	6.0949	.1641	.1375	189.54
S4	6.0000	.1667	.1257	353.91
SK4	5.9918	.1669	.0816	67.21
2MK5	4.9309	.2028	.1128	156.46
2SK5	4.7974	.2084	.0555	348.70
2MN6	4.1663	.2400	.3277	166.07
M6	4.1402	.2415	.1343	317.67
2MS6	4.0924	.2444	.1221	348.27
2MK6	4.0886	.2446	.1128	96.28
2SM6	4.0457	.2472	.3226	202.37
MSK6	4.0419	.2474	.2304	287.35
3MK7	3.5296	.2833	.3347	335.20
M8	3.1052	.3220	.2209	72.82

Tidal constituents for CM61504C.DAT covering period 27 February 1985 to 4 February 1986, Mooring 4, Prydz Bay, Antarctica.

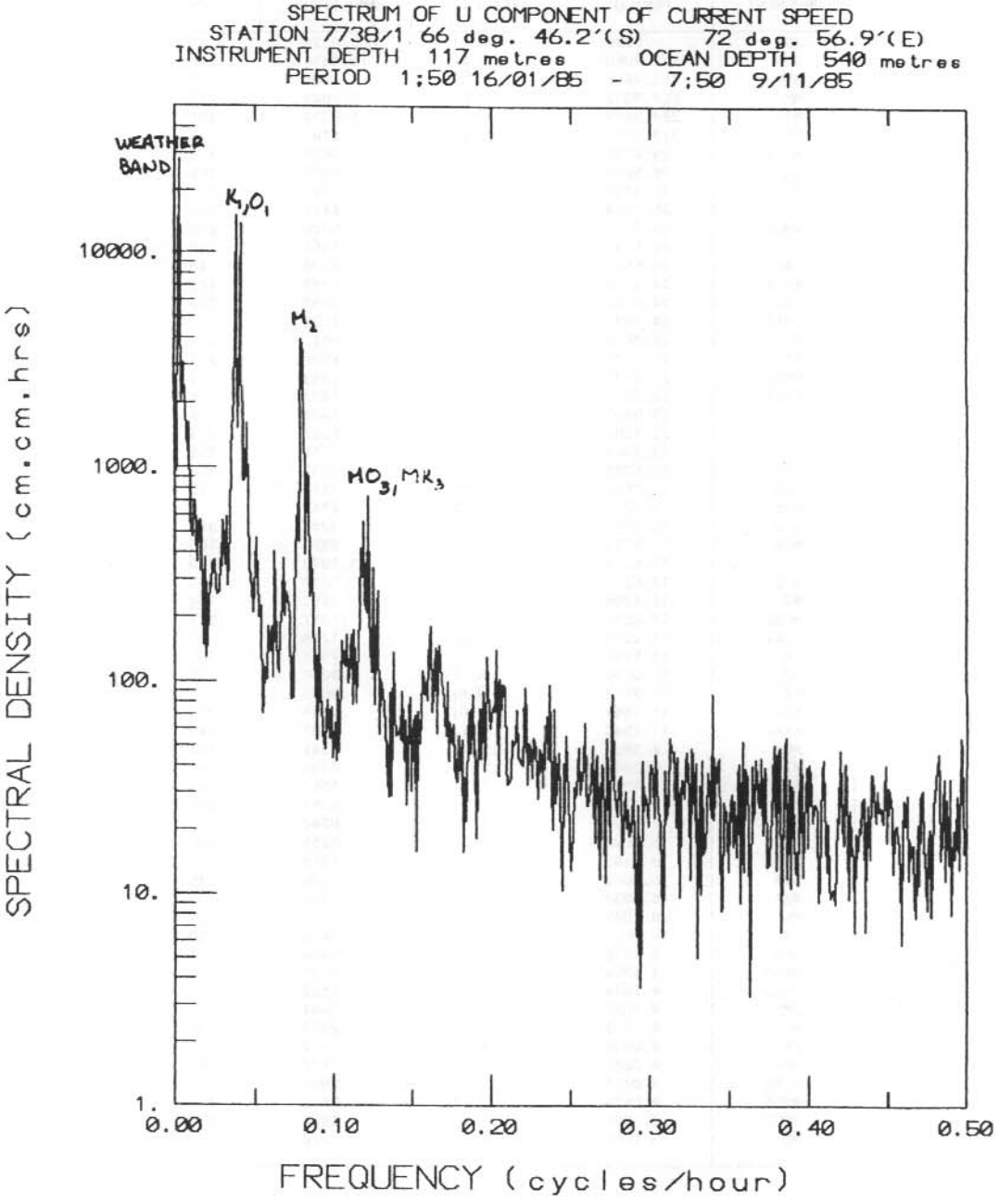
COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	1249.6850	.00
SSA	4382.9060	.0002	8.0353	243.83
MSM	763.4866	.0013	2.1086	332.98
MM	661.3092	.0015	3.6373	287.62
MSF	354.3671	.0028	4.0273	289.19
MF	327.8590	.0031	2.8484	135.48
ALP1	29.0727	.0344	.3898	339.12
2Q1	28.0062	.0357	.2060	189.61
SIG1	27.8484	.0359	.7126	307.67
Q1	26.8684	.0372	.4227	275.52
RHO1	26.7231	.0374	.6209	280.23
O1	25.8193	.0387	1.3596	239.15
TAU1	25.6681	.0390	1.3064	56.04
BET1	24.9748	.0400	.3114	103.52
NO1	24.8332	.0403	.2320	280.30
CHI1	24.7091	.0405	.5055	344.23
P1	24.0659	.0416	.9968	299.07
K1	23.9345	.0418	.8841	291.63
PHI1	23.8045	.0420	.7988	284.23
THE1	23.2070	.0431	.3718	25.64
J1	23.0985	.0433	.1578	79.39
SO1	22.4202	.0446	.7537	344.13
OO1	22.3061	.0448	.1949	301.46
UPS1	21.5782	.0463	.4554	190.62
OQ2	13.1622	.0760	.1677	301.04
EPS2	13.1273	.0762	.0310	307.96
2N2	12.9054	.0775	.2588	304.63
MU2	12.8718	.0777	.5778	343.62
N2	12.6583	.0790	1.4015	98.73
NU2	12.6260	.0792	.6012	169.75
M2	12.4206	.0805	3.0878	119.63
MKS2	12.3855	.0807	.0781	283.86
LDA2	12.2218	.0818	.2008	52.61
L2	12.1916	.0820	.1360	278.56
S2	12.0000	.0833	2.5400	170.84
K2	11.9672	.0836	.8282	195.95
MSN2	11.7861	.0848	.3061	77.08
ETA2	11.7545	.0851	.0599	105.02
MO3	8.3863	.1192	.3475	207.63
M3	8.2804	.1208	.4098	80.91
SO3	8.1924	.1221	.1245	235.48
MK3	8.1771	.1223	.1204	188.31
SK3	7.9927	.1251	.2935	227.69
MN4	6.2692	.1595	.1204	317.88
M4	6.2103	.1610	.5030	358.72
SN4	6.1602	.1623	.1095	132.04
MS4	6.1033	.1638	.0838	76.36
MK4	6.0949	.1641	.0796	147.64
S4	6.0000	.1667	.0565	226.86
SK4	5.9918	.1669	.2554	45.57
2MK5	4.9309	.2028	.1719	287.34
2SK5	4.7974	.2084	.1762	217.95
2MN6	4.1663	.2400	.0975	162.20
M6	4.1402	.2415	.2808	226.69
2MS6	4.0924	.2444	.3327	43.99
2MK6	4.0886	.2446	.0993	256.47
2SM6	4.0457	.2472	.0414	288.53
MSK6	4.0419	.2474	.1311	282.29
3MK7	3.5296	.2833	.0418	220.94
M8	3.1052	.3220	.1292	70.20

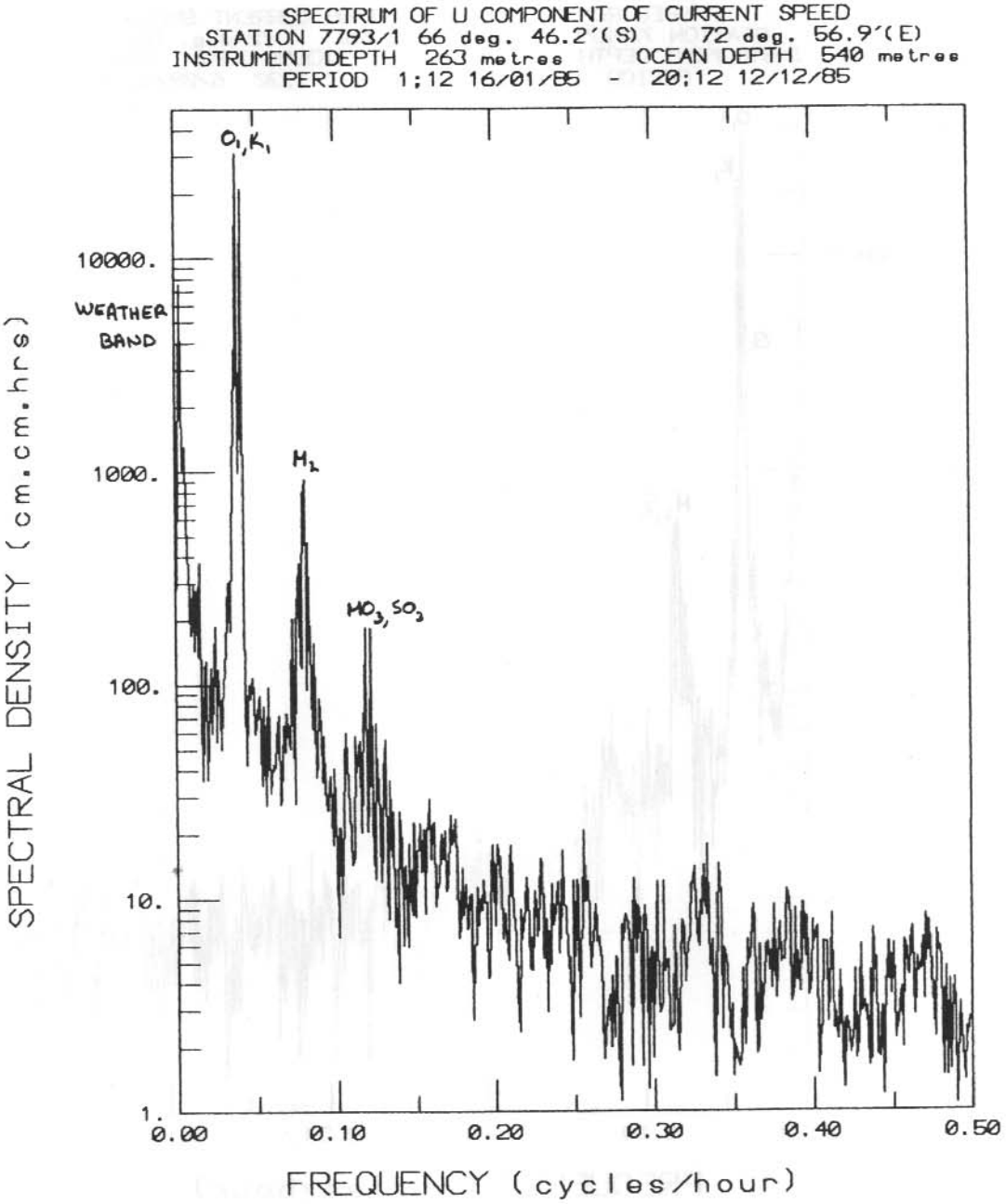
Tidal constituents for Cm6149C.DAT covering period 27 February 1985 to 8 December 1985, Mooring 4, Prydz Bay, Antarctica.

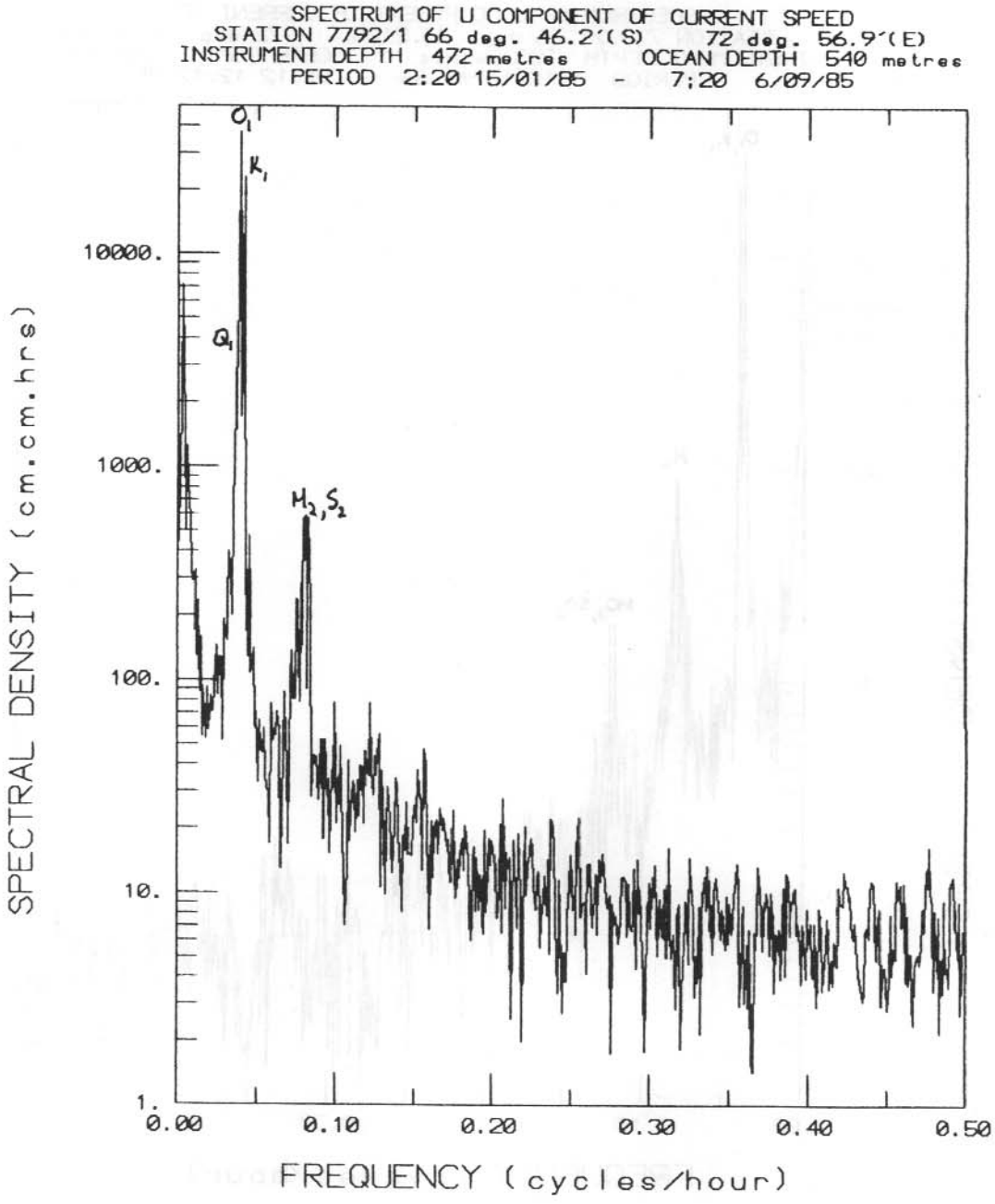
COMPONENT	PERIOD	FREQUENCY	AMPLITUDE	PHASE
Z0	.0000	.0000	1060.0520	.00
SSA	4382.9060	.0002	16.1616	246.12
MSM	763.4866	.0013	1.4889	7.76
MM	661.3092	.0015	7.0044	277.40
MSF	354.3671	.0028	1.9234	281.06
MF	327.8590	.0031	1.4784	128.12
ALP1	29.0727	.0344	.4680	303.42
2Q1	28.0062	.0357	.4914	189.74
SIG1	27.8484	.0359	.6434	323.81
Q1	26.8684	.0372	.4421	245.82
RHO1	26.7231	.0374	.6420	238.50
O1	25.8193	.0387	1.4564	240.33
TAU1	25.6681	.0390	.8778	48.38
BET1	24.9748	.0400	.2383	125.24
NO1	24.8332	.0403	.3883	345.63
CHI1	24.7091	.0405	.4822	17.28
P1	24.0659	.0416	.1627	229.92
K1	23.9345	.0418	.2520	213.89
PHI1	23.8045	.0420	.7919	12.33
THE1	23.2070	.0431	.4493	6.58
J1	23.0985	.0433	.3433	118.36
SO1	22.4202	.0446	.8267	314.95
OO1	22.3061	.0448	.1758	251.10
UPS1	21.5782	.0463	.2637	164.61
OQ2	13.1622	.0760	.3411	75.10
EPS2	13.1273	.0762	.2742	8.85
2N2	12.9054	.0775	.3347	330.46
MU2	12.8718	.0777	.3877	105.22
N2	12.6583	.0790	1.1970	120.22
NU2	12.6260	.0792	.1639	270.76
M2	12.4206	.0805	3.2462	152.58
MKS2	12.3855	.0807	.1312	282.74
LDA2	12.2218	.0818	.1238	22.66
L2	12.1916	.0820	.2966	302.53
S2	12.0000	.0833	1.9020	196.21
K2	11.9672	.0836	.9043	215.27
MSN2	11.7861	.0848	.2744	314.14
ETA2	11.7545	.0851	.2637	240.76
MO3	8.3863	.1192	.3344	194.29
M3	8.2804	.1208	.4499	91.96
SO3	8.1924	.1221	.1567	268.90
MK3	8.1771	.1223	.0387	280.55
SK3	7.9927	.1251	.0740	99.52
MN4	6.2692	.1595	.0851	337.72
M4	6.2103	.1610	.1913	257.36
SN4	6.1602	.1623	.2636	46.57
MS4	6.1033	.1638	.2422	296.44
MK4	6.0949	.1641	.2811	256.55
S4	6.0000	.1667	.1463	80.93
SK4	5.9918	.1669	.0898	121.40
2MK5	4.9309	.2028	.0307	153.19
2SK5	4.7974	.2084	.1152	32.37
2MN6	4.1663	.2400	.3601	261.71
M6	4.1402	.2415	.2053	31.30
2MS6	4.0924	.2444	.0677	341.27
2MK6	4.0886	.2446	.1602	107.16
2SM6	4.0457	.2472	.0906	343.89
MSK6	4.0419	.2474	.0502	217.14
3MK7	3.5296	.2833	.1854	350.48
M8	3.1052	.3220	.1229	165.72

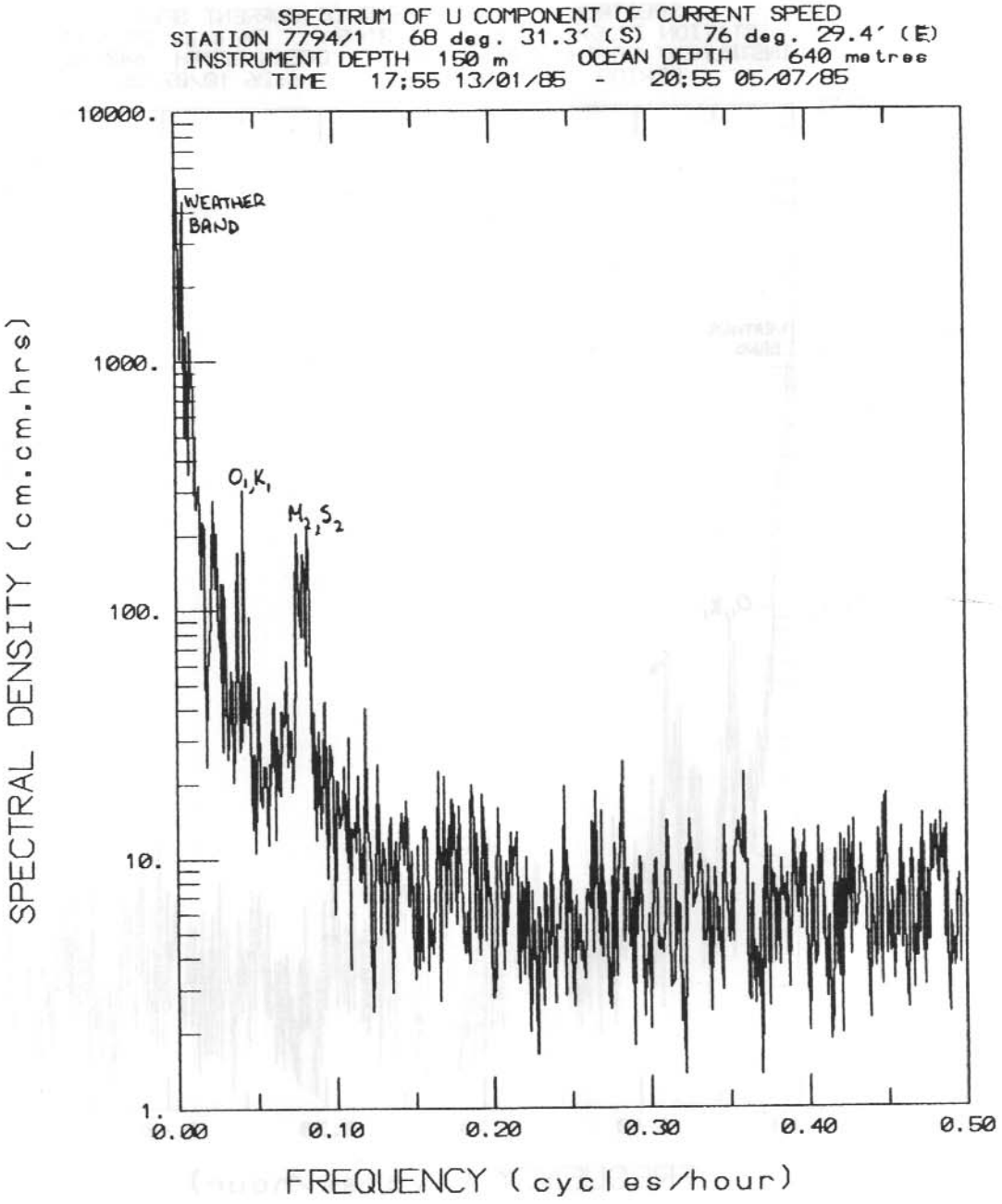
Appendix X. Power spectra

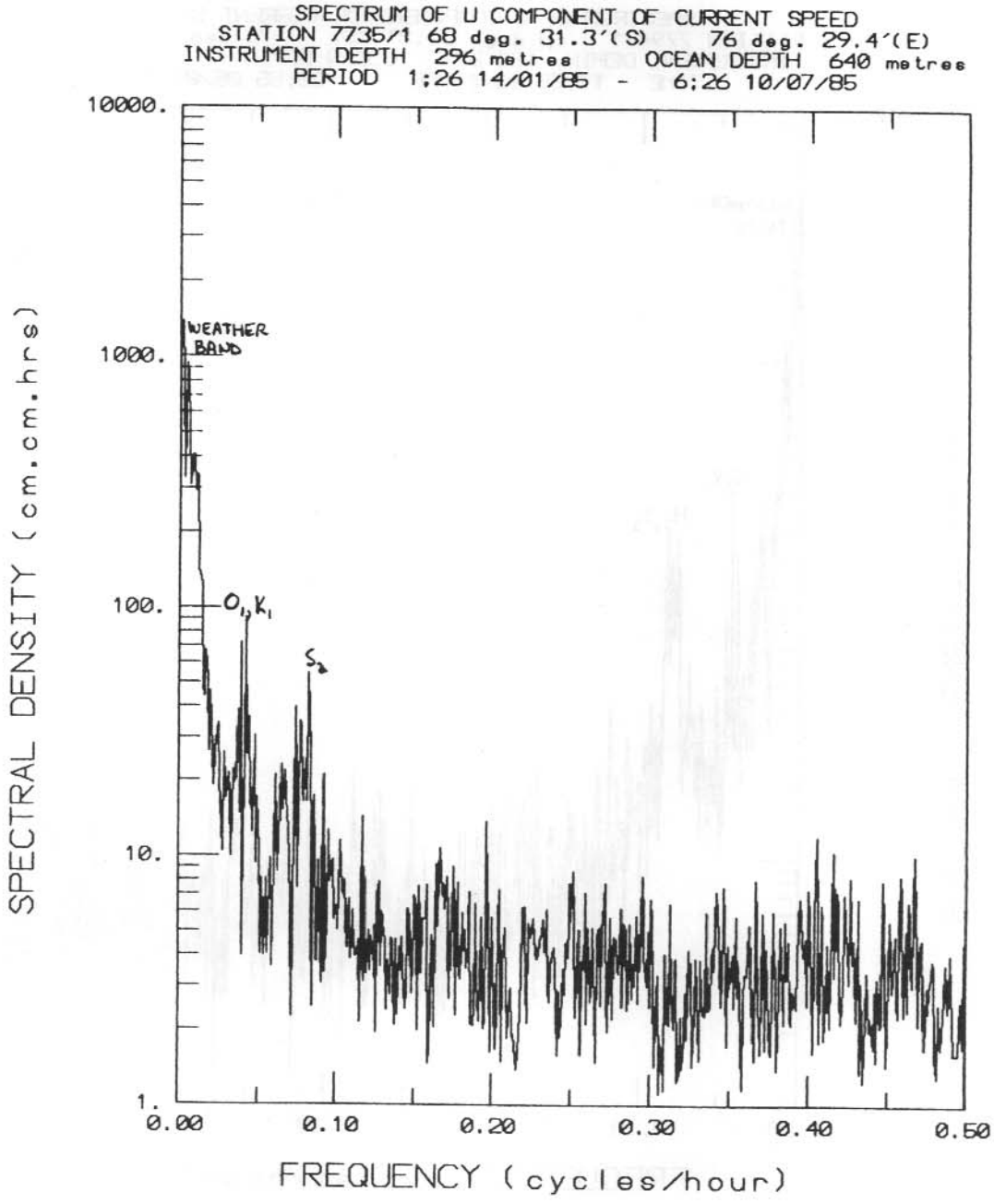
Plots are arranged in order of moorings (1,3,4) and within these sections, from the shallowest to the deepest current meter.

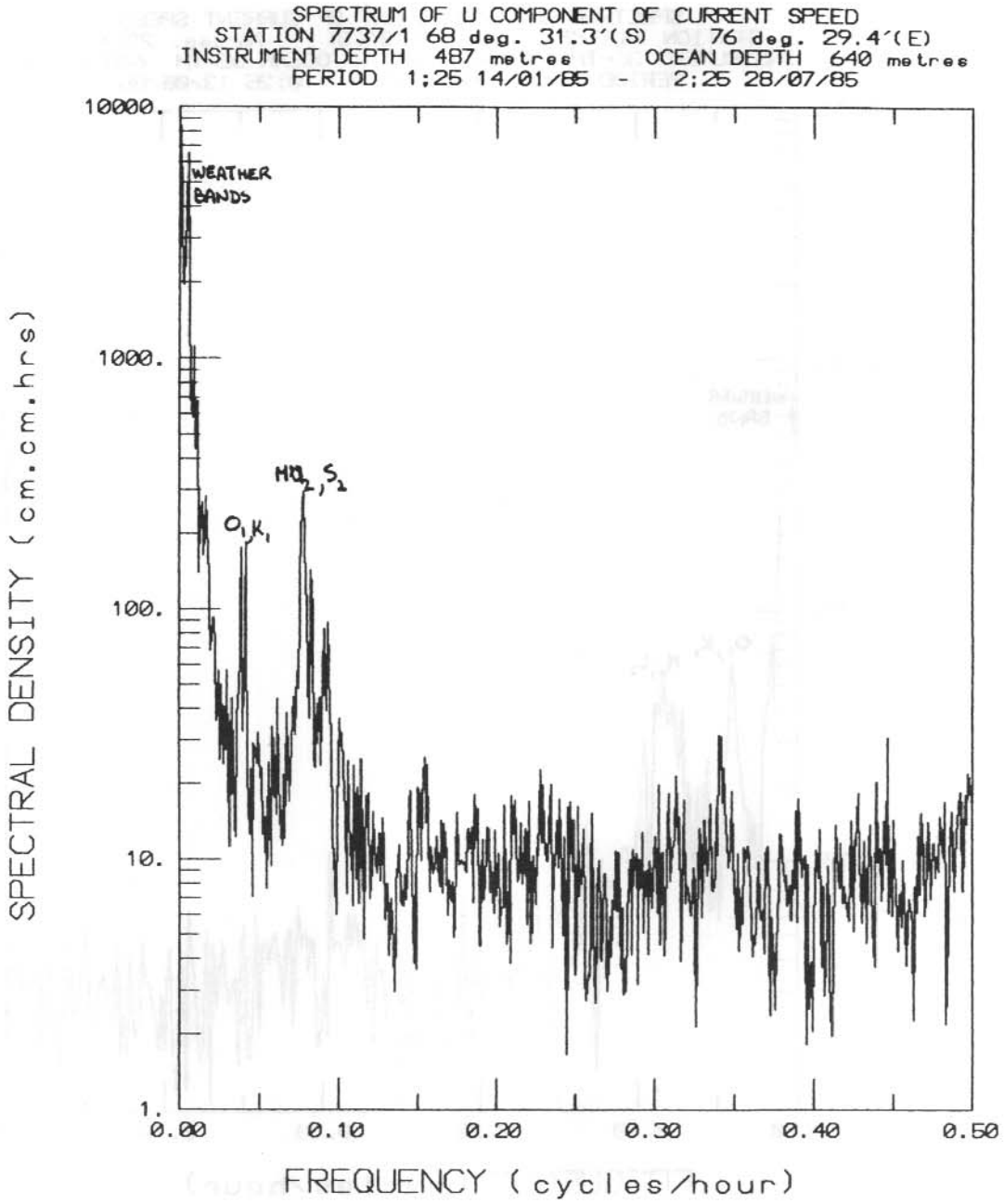


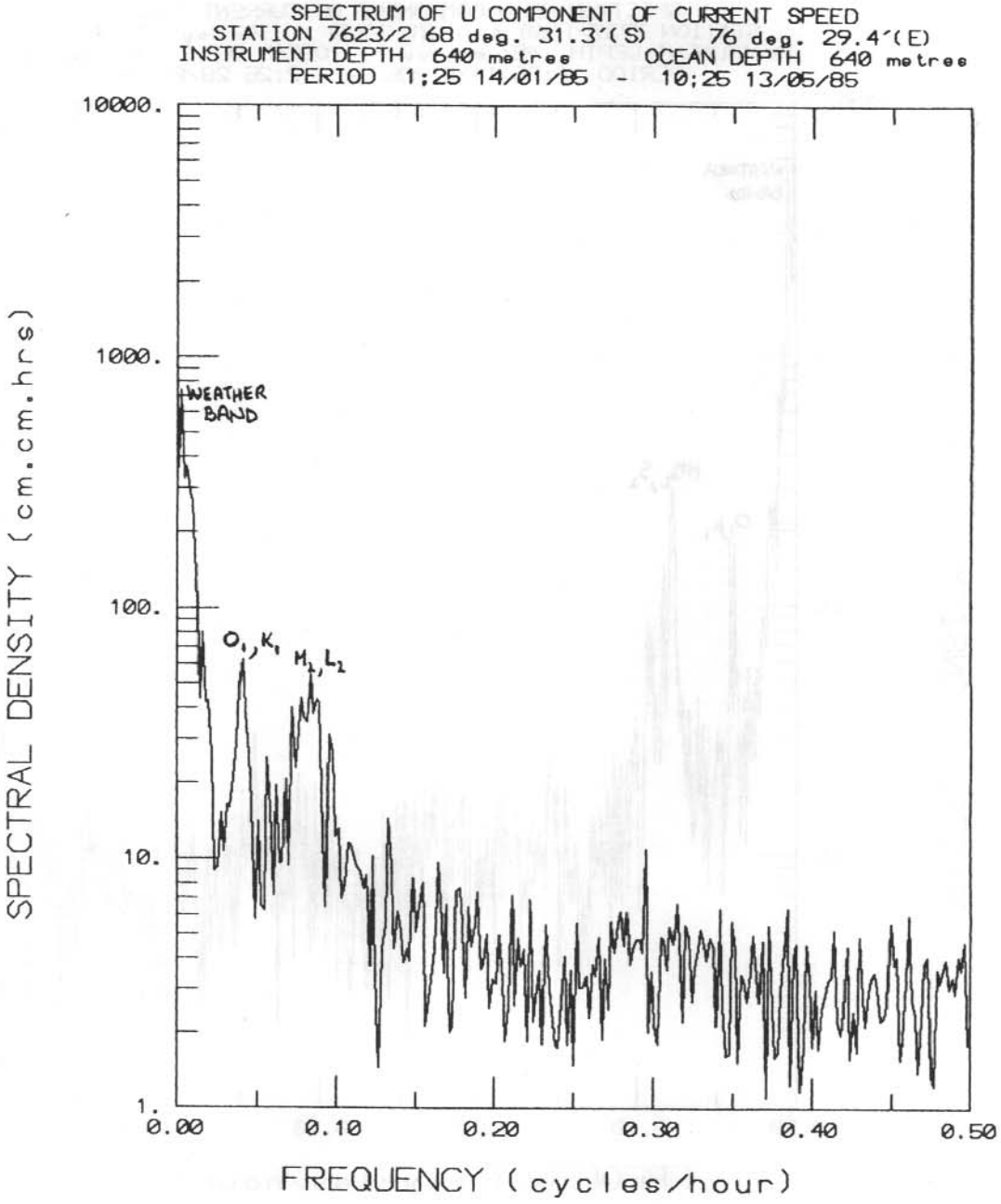

SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 7793/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 263 metres OCEAN DEPTH 540 metres
PERIOD 1;12 16/01/85 - 20;12 12/12/85
O1,K1
M2
MO3,SO3
WEATHER BAND
10000.
1000.
100.
10.
1.
0.00
0.10
0.20
0.30
0.40
0.50
SPECTRAL DENSITY (cm.cm.hrs)
FREQUENCY (cycles/hour)

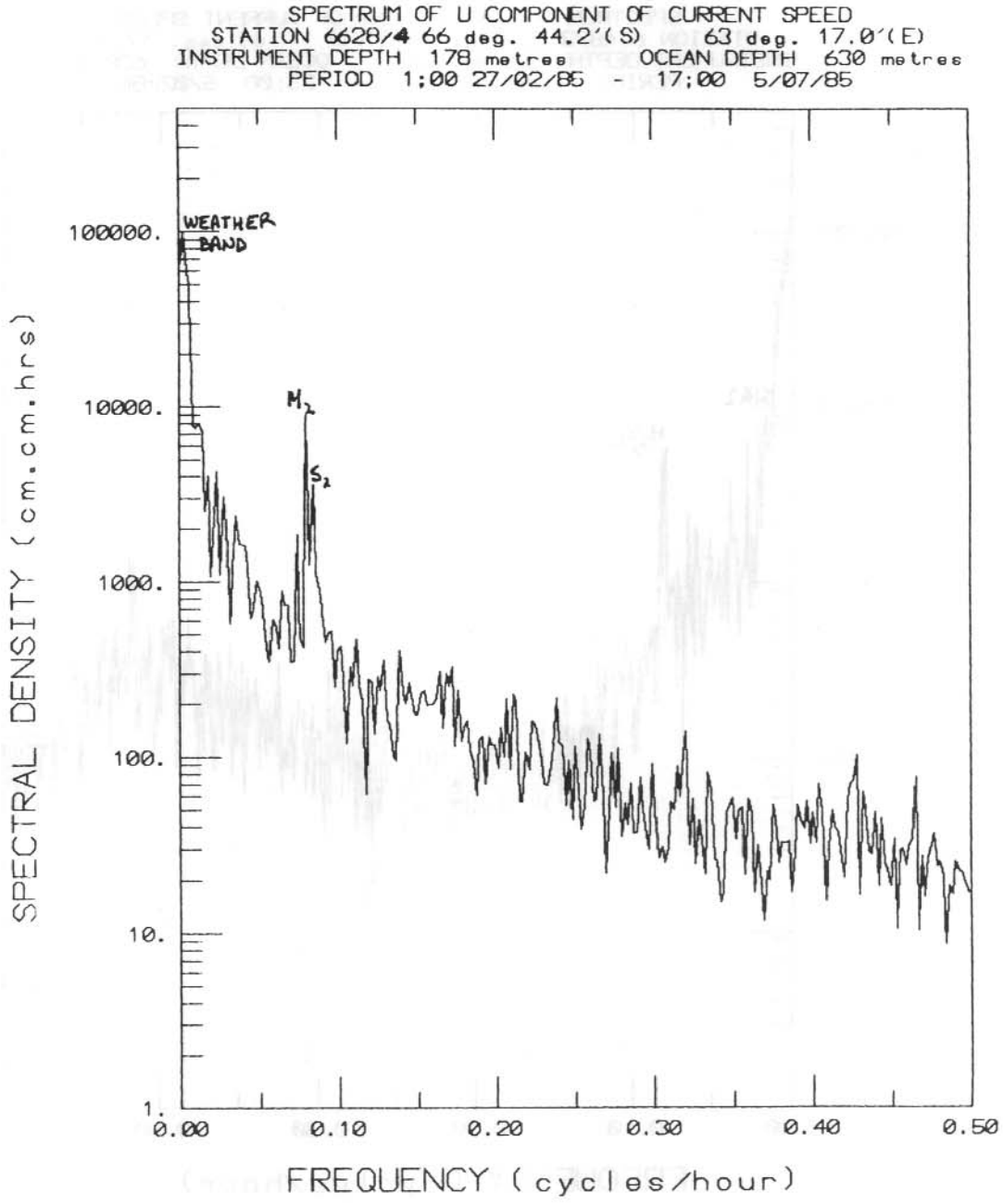

SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 7792/1 66 deg. 46.2'(S) 72 deg. 56.9'(E)
INSTRUMENT DEPTH 472 metres OCEAN DEPTH 540 metres
PERIOD 2:20 15/01/85 - 7:20 6/09/85
O1
K1
Q1
M2,S2
10000.
1000.
100.
10.
1.
0.00
0.10
0.20
0.30
0.40
0.50
SPECTRAL DENSITY (cm.cm.hrs)
FREQUENCY (cycles/hour)

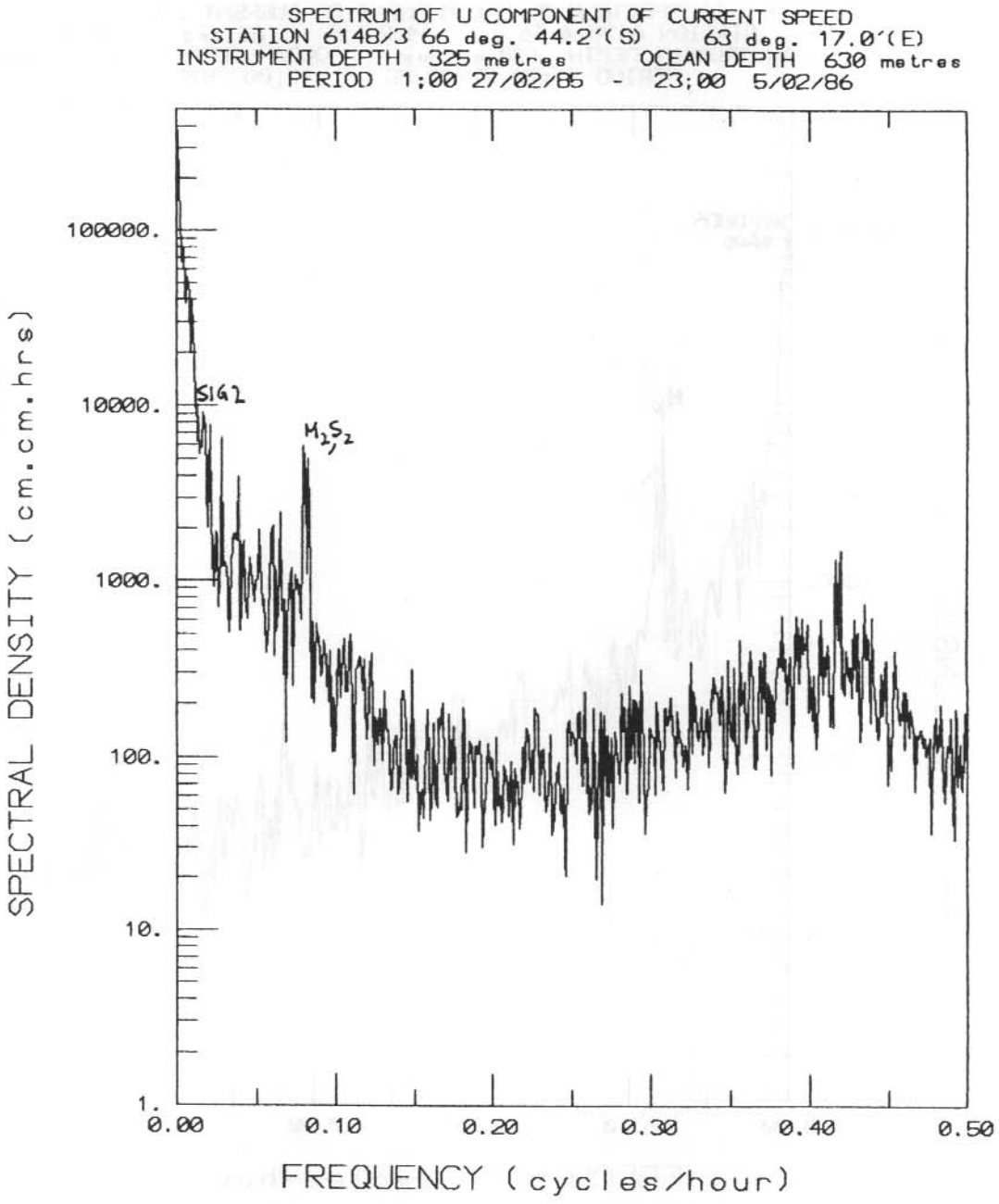

SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 7794/1 68 deg. 31.3′ (S) 76 deg. 29.4′ (E)
INSTRUMENT DEPTH 150 m OCEAN DEPTH 640 metres
TIME 17:55 13/01/85 - 20:55 05/07/85
10000.
1000.
100.
10.
1.
WEATHER BAND
O1, K1
M2, S2
SPECTRAL DENSITY (cm.cm.hrs)
0.00
0.10
0.20
0.30
0.40
0.50
FREQUENCY (cycles/hour)

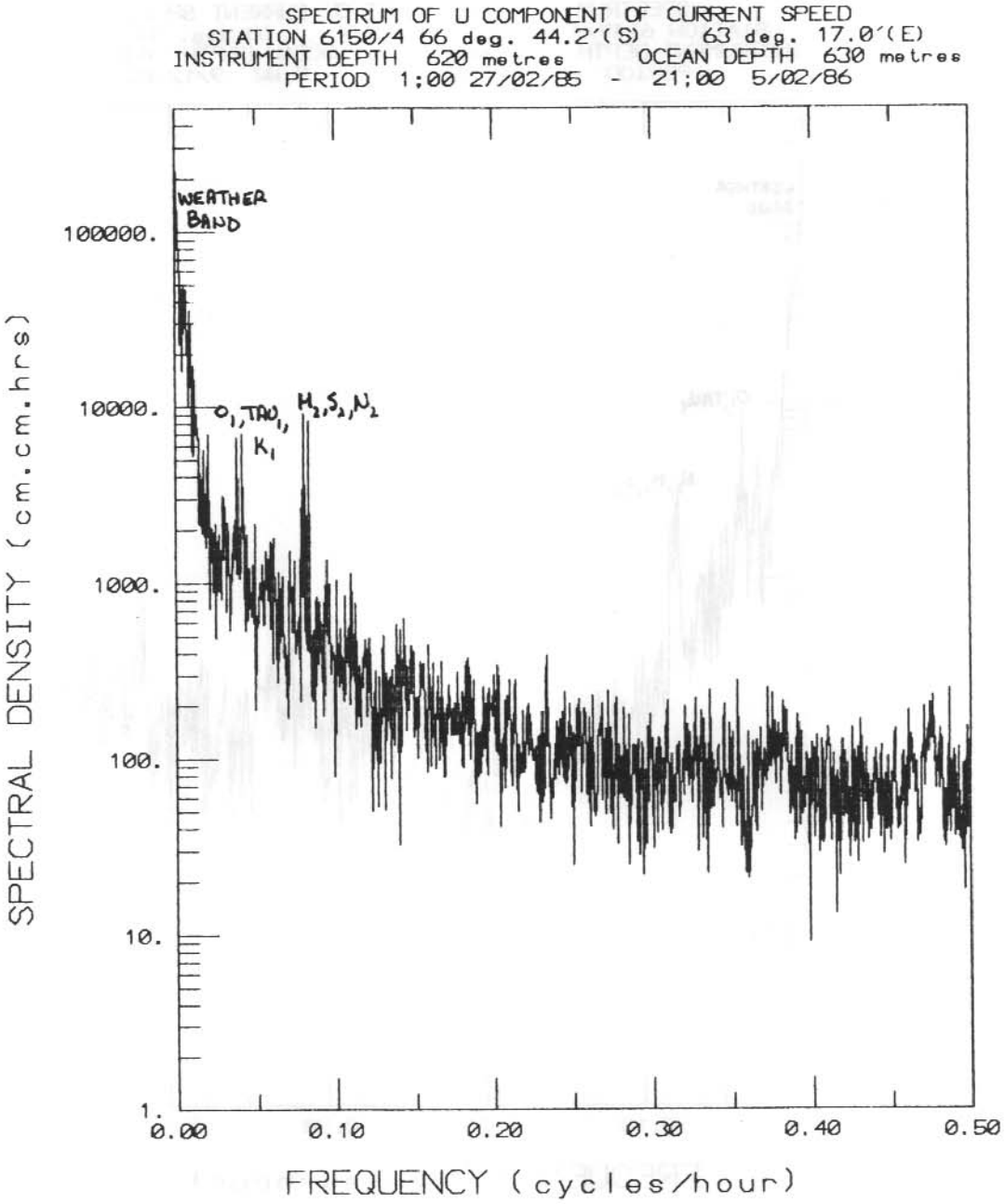

SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 7735/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 296 metres OCEAN DEPTH 640 metres
PERIOD 1;26 14/01/85 - 6;26 10/07/85
10000.
1000.
100.
10.
1.
WEATHER BAND
O1, K1
S2
0.00
0.10
0.20
0.30
0.40
0.50
SPECTRAL DENSITY (cm.cm.hrs)
FREQUENCY (cycles/hour)

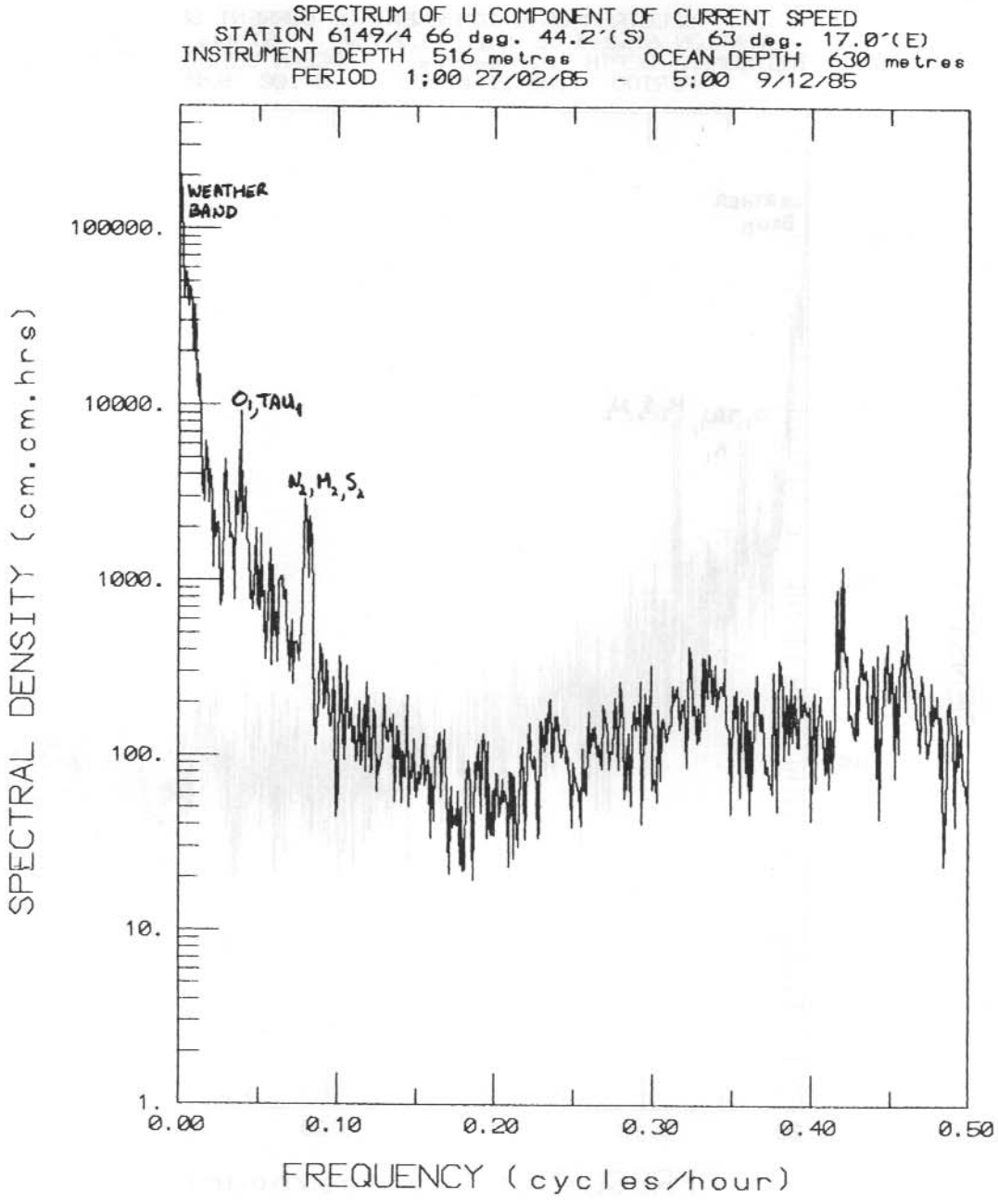

SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 7737/1 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 487 metres OCEAN DEPTH 640 metres
PERIOD 1;25 14/01/85 - 2;25 28/07/85
10000.
1000.
100.
10.
1.
WEATHER BANDS
O1,K1
M2,S2
0.00
0.10
0.20
0.30
0.40
0.50
SPECTRAL DENSITY (cm.cm.hrs)
FREQUENCY (cycles/hour)


SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 7623/2 68 deg. 31.3'(S) 76 deg. 29.4'(E)
INSTRUMENT DEPTH 640 metres OCEAN DEPTH 640 metres
PERIOD 1;25 14/01/85 - 10;25 13/05/85
10000.
1000.
100.
10.
1.
WEATHER BAND
O1, K1
M2, L2
0.00
0.10
0.20
0.30
0.40
0.50
SPECTRAL DENSITY (cm.cm.hrs)
FREQUENCY (cycles/hour)


SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 6628/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 178 metres OCEAN DEPTH 630 metres
PERIOD 1;00 27/02/85 - 17;00 5/07/85
WEATHER BAND
M2
S2
100000.
10000.
1000.
100.
10.
1.
0.00
0.10
0.20
0.30
0.40
0.50
SPECTRAL DENSITY (cm.cm.hrs)
FREQUENCY (cycles/hour)


SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 6148/3 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 325 metres OCEAN DEPTH 630 metres
PERIOD 1;00 27/02/85 - 23;00 5/02/86
SPECTRAL DENSITY (cm.cm.hrs)
100000.
10000.
1000.
100.
10.
1.
SIG2
M2S2
0.00
0.10
0.20
0.30
0.40
0.50
FREQUENCY (cycles/hour)


SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 6150/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 620 metres OCEAN DEPTH 630 metres
PERIOD 1;00 27/02/85 - 21;00 5/02/86
WEATHER BAND
O1, TAU1, K1
M2, S2, N2
SPECTRAL DENSITY (cm.cm.hrs)
100000.
10000.
1000.
100.
10.
1.
0.00
0.10
0.20
0.30
0.40
0.50
FREQUENCY (cycles/hour)


SPECTRUM OF U COMPONENT OF CURRENT SPEED
STATION 6149/4 66 deg. 44.2'(S) 63 deg. 17.0'(E)
INSTRUMENT DEPTH 516 metres OCEAN DEPTH 630 metres
PERIOD 1;00 27/02/85 - 5;00 9/12/85
WEATHER BAND
O1, TAU1
N2, M2, S2
100000.
10000.
1000.
100.
10.
1.
0.00
0.10
0.20
0.30
0.40
0.50
SPECTRAL DENSITY (cm.cm.hrs)
FREQUENCY (cycles/hour)

Appendix XI. Table of monthly statistics

Plots are arranged in order of moorings (1,3,4) and within these sections, from the shallowest to the deepest current meter.

THE FILE BEING PROCESSED IS ; CM77381C.DAT
TABLE OF SIATISTICS FOR PERIOD FROM ;
0:50 1/ 2/85 TO ; 0:50 1/ 3/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.04	40.10	2.89	17.25	7.90	18.97	17.20	671
DIRECTI	2.00	-2.93	358.50	2.07	210.91	71.19	222.58	230.20	672
U.VELOC	-39.70	-2.21	34.50	2.65	-5.96	15.27	16.38	-8.80	667
V.VELOC	-31.40	-3.25	23.30	3.45	-4.87	8.17	9.51	-5.20	666
TEMPRAT	-1.73	-1.66	-.19	1.93	-1.02	.43	1.10	-1.14	673

0:50 1/ 3/85 TO ; 0:50 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.10	33.40	3.07	14.19	6.25	15.51	14.60	745
DIRECTI	107.40	-1.52	349.10	1.88	215.41	70.97	226.78	227.10	744
U.VELOC	-28.20	-2.02	22.20	2.27	-4.45	11.76	12.57	-5.70	739
V.VELOC	-28.00	-3.00	19.30	3.03	-4.48	7.84	9.03	-5.10	741
TEMPRAT	-1.71	-1.64	-.19	2.50	-1.11	.37	1.17	-1.25	745

0:50 1/ 4/85 TO ; 0:50 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.89	31.10	2.99	12.73	6.14	14.13	12.60	720
DIRECTI	46.30	-2.30	331.30	1.50	218.54	74.93	231.01	229.20	721
U.VELOC	-26.50	-2.26	19.70	2.22	-3.17	10.32	10.79	-4.20	717
V.VELOC	-29.20	-3.08	15.80	2.38	-3.81	8.24	9.07	-4.00	716
TEMPRAT	-1.57	-1.82	-.44	3.99	-1.22	.19	1.23	-1.25	721

0:50 1/ 5/85 TO ; 0:50 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.53	40.70	3.44	13.30	7.97	15.51	12.10	745
DIRECTI	.90	-2.71	359.90	2.10	202.97	74.68	216.25	203.40	745
U.VELOC	-31.70	-2.62	24.90	2.41	-2.20	11.24	11.45	-2.00	741
V.VELOC	-40.40	-3.86	27.20	3.49	-4.90	9.19	10.41	-4.40	742
TEMPRAT	-1.91	-2.36	-.39	3.74	-1.32	.25	1.35	-1.35	745

0:50 1/ 6/85 TO ; 0:50 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.02	32.20	2.82	14.06	6.43	15.46	13.80	721
DIRECTI	.60	-2.21	359.90	1.75	201.10	90.59	220.53	202.70	721
U.VELOC	-31.10	-2.74	25.10	2.21	-.03	11.35	11.35	-1.40	712
V.VELOC	-30.40	-2.74	20.70	2.42	-3.25	9.90	10.42	-4.10	717
TEMPRAT	-1.66	-1.74	-.49	2.88	-1.22	.25	1.24	-1.28	721

THE FILE BEING PROCESSED IS ; CM77381C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:50 1/ 7/85 TO ; 0:50 1/ 8/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.82	33.00	2.49	14.55	7.41	16.32	14.90	745
DIRECTI	.20	-1.76	359.60	1.95	170.55	96.92	196.13	163.60	745
U.VELOC	-27.10	-2.81	29.00	2.79	1.05	10.00	10.05	1.00	741
V.VELOC	-29.50	-2.16	29.40	2.51	-2.30	12.62	12.82	-4.00	741
TEMPRAT	-1.62	-2.89	-.46	3.09	-1.06	.19	1.08	-1.10	745

0:50 1/ 8/85 TO ; 0:50 1/ 9/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.95	27.80	2.43	12.99	6.08	14.34	13.00	745
DIRECTI	.20	-1.62	359.90	1.78	171.57	106.01	201.64	158.70	744
U.VELOC	-27.60	-3.50	22.90	2.60	1.40	8.28	8.39	1.10	741
V.VELOC	-25.80	-2.18	27.60	2.43	-.52	11.59	11.59	-3.40	743
TEMPRAT	-1.57	-3.84	-.49	2.87	-.95	.16	.96	-.96	745

0:50 1/ 9/85 TO ; 0:50 1/10/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.89	27.40	2.59	12.17	5.87	13.51	11.90	721
DIRECTI	.60	-2.06	359.90	2.31	169.72	82.26	188.58	151.70	721
U.VELOC	-21.90	-2.60	19.10	2.03	1.14	8.85	8.92	2.30	717
V.VELOC	-27.30	-2.50	22.90	2.86	-3.85	9.37	10.12	-4.60	719
TEMPRAT	-1.73	-3.55	-.24	1.99	-.77	.27	.82	-.76	721

0:50 1/10/85 TO ; 0:50 1/11/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.92	32.40	3.46	12.28	5.82	13.59	11.70	745
DIRECTI	.20	-2.01	359.60	2.30	167.77	83.35	187.31	144.70	744
U.VELOC	-25.30	-2.89	19.60	1.99	1.29	9.20	9.29	2.70	741
V.VELOC	-32.40	-3.14	22.40	2.80	-3.41	9.23	9.84	-3.60	741
TEMPRAT	-1.64	-3.06	-.10	2.63	-.81	.27	.86	-.78	745

THE FILE BEING PROCESSED IS ; CM77931C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:12 1/ 2/85 TO ; 0:12 1/ 3/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.15	38.40	2.97	16.76	7.28	18.27	16.50	673
DIRECTI	1.60	-2.16	359.20	1.39	219.23	100.60	241.18	252.90	673
U.VELOC	-33.30	-2.23	18.00	2.32	-8.16	11.26	13.90	-8.40	670
V.VELOC	-29.10	-2.57	25.60	2.08	1.11	11.77	11.82	2.40	669
TEMPRAT	-1.81	-2.08	.52	1.74	-.54	.61	.82	-.54	673

0:12 1/ 3/85 TO ; 0:12 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.22	30.90	2.69	14.59	6.07	15.80	14.60	745
DIRECTI	.20	-2.13	359.90	1.40	217.24	101.82	239.89	243.90	745
U.VELOC	-28.90	-2.37	19.00	2.55	-5.83	9.72	11.33	-6.50	741
V.VELOC	-22.90	-2.14	25.40	2.26	.58	10.97	10.98	1.60	745
TEMPRAT	-1.81	-1.99	.34	1.89	-.71	.55	.90	-.81	745

0:12 1/ 4/85 TO ; 0:12 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.79	27.60	2.17	13.07	6.69	14.68	13.40	721
DIRECTI	.20	-2.01	359.60	1.35	214.83	106.86	239.90	233.00	721
U.VELOC	-24.80	-2.29	19.60	2.84	-4.96	8.66	9.97	-3.70	713
V.VELOC	-24.80	-2.42	23.30	2.09	.99	10.68	10.72	1.90	720
TEMPRAT	-1.59	-4.07	.27	2.66	-.46	.28	.54	-.52	721

0:12 1/ 5/85 TO ; 0:12 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.53	34.70	2.80	12.98	7.77	15.12	12.10	745
DIRECTI	.60	-2.09	359.90	1.24	226.25	107.93	250.64	250.50	745
U.VELOC	-26.80	-2.47	14.50	2.26	-5.24	8.73	10.17	-3.90	741
V.VELOC	-32.40	-3.05	25.20	2.15	1.35	11.07	11.14	2.20	741
TEMPRAT	-2.09	-2.88	.20	1.74	-.66	.49	.83	-.54	745

0:12 1/ 6/85 TO ; 0:12 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.90	31.90	2.73	13.76	6.65	15.28	14.00	721
DIRECTI	.90	-1.93	359.90	1.49	203.44	105.17	228.98	225.70	721
U.VELOC	-26.00	-2.45	17.80	2.40	-3.88	9.02	9.81	-4.80	713
V.VELOC	-31.30	-2.72	23.50	1.98	.42	11.65	11.65	1.20	719
TEMPRAT	-1.79	-3.33	.16	1.68	-.49	.39	.63	-.48	721

THE FILE BEING PROCESSED IS ; CM77931C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:12 1/ 7/85 TO ; 0:12 1/ 8/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.05	31.10	2.36	15.04	6.80	16.50	15.90	745
DIRECTI	.20	-1.78	358.20	1.55	191.49	107.72	219.67	205.50	745
U.VELOC	-30.50	-2.70	21.80	2.33	-2.40	10.40	10.67	-2.10	741
V.VELOC	-27.90	-2.21	22.40	1.79	-.12	12.57	12.56	.80	742
TEMPRAT	-1.09	-3.69	.32	2.34	-.23	.23	.33	-.27	745

0:12 1/ 8/85 TO ; 0:12 1/ 9/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.14	24.70	1.98	13.37	5.73	14.54	14.20	745
DIRECTI	1.60	-1.70	359.90	1.68	182.25	106.02	210.81	189.80	745
U.VELOC	-22.90	-2.44	20.00	2.40	-1.27	8.88	8.97	-.90	740
V.VELOC	-23.40	-2.05	21.20	1.86	.00	11.41	11.41	.70	742
TEMPRAT	-.77	-2.37	.18	2.14	-.27	.21	.34	-.25	745

0:12 1/ 9/85 TO ; 0:12 1/10/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.95	26.50	2.40	12.50	5.84	13.79	12.60	721
DIRECTI	.20	-1.84	358.90	1.57	193.94	105.10	220.55	209.00	721
U.VELOC	-23.80	-2.50	20.10	2.64	-2.45	8.55	8.89	-2.20	717
V.VELOC	-25.50	-2.44	22.90	2.17	.07	10.50	10.49	.30	716
TEMPRAT	-.61	-2.45	.38	1.74	-.03	.24	.24	.00	721

0:12 1/10/85 TO ; 0:12 1/11/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.14	26.90	2.52	12.95	5.54	14.08	13.20	745
DIRECTI	16.30	-2.89	356.80	1.70	230.63	74.29	242.28	290.10	745
U.VELOC	-25.30	-1.83	23.40	2.69	-5.61	10.77	12.13	-7.80	742
V.VELOC	-25.00	-3.43	13.70	2.04	-.73	7.08	7.11	1.30	744
TEMPRAT	-9.90	-14.10	.34	.79	-.20	.69	.72	.13	405

0:12 1/11/85 TO ; 0:12 1/12/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.07	30.30	2.47	14.40	6.43	15.77	14.90	720
DIRECTI	49.50	-2.40	349.40	1.50	233.89	76.94	246.20	290.10	719
U.VELOC	-25.50	-1.61	28.10	2.78	-5.82	12.19	13.50	-8.10	711
V.VELOC	-28.80	-3.54	22.20	2.77	-.19	8.07	8.07	2.90	719
TEMPRAT	-9.90	-1.03	.29	1.04	-4.81	4.92	6.88	-.95	369

THE FILE BEING PROCESSED IS ; CM77921C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:20 1/ 2/85 TO ; 0:20 1/ 3/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-2.29	36.10	2.74	17.04	6.96	18.40	17.20	673
DIRECTI	.90	-2.35	358.20	1.37	226.88	95.97	246.31	258.50	673
U.VELOC	-34.50	-2.24	20.10	2.39	-8.11	11.78	14.29	-9.50	670
V.VELOC	-30.50	-2.64	24.40	2.10	.09	11.57	11.56	1.30	671
TEMPRAT	-1.25	-2.75	.35	1.60	-.24	.37	.44	-.21	672

0:20 1/ 3/85 TO ; 0:20 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.94	34.70	3.02	14.25	6.77	15.78	14.60	745
DIRECTI	.20	-2.15	359.90	1.44	215.84	100.38	238.01	238.60	745
U.VELOC	-29.00	-2.28	22.40	2.70	-5.44	10.32	11.66	-5.10	742
V.VELOC	-29.90	-2.79	18.70	1.80	-.31	10.59	10.59	1.00	741
TEMPRAT	-1.09	-2.30	.42	1.82	-.25	.37	.44	-.17	744

0:20 1/ 4/85 TO ; 0:20 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.82	30.90	2.74	13.00	6.53	14.55	13.40	721
DIRECTI	1.60	-2.14	359.20	1.37	220.06	101.91	242.48	240.40	721
U.VELOC	-28.90	-2.66	18.30	2.56	-4.83	9.04	10.24	-4.00	717
V.VELOC	-30.10	-2.94	21.40	2.07	.11	10.29	10.28	.90	719
TEMPRAT	-.55	-2.33	.33	2.61	-.14	.18	.22	-.17	721

0:20 1/ 5/85 TO ; 0:20 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.77	34.90	2.91	13.89	7.23	15.65	13.80	745
DIRECTI	.90	-2.31	359.90	1.32	229.74	98.92	250.11	252.60	745
U.VELOC	-31.20	-2.74	24.20	3.37	-6.34	9.07	11.06	-5.50	739
V.VELOC	-30.90	-2.86	23.80	2.10	.60	11.03	11.04	1.60	743
TEMPRAT	-1.95	-4.37	.28	1.28	-.23	.39	.45	-.12	745

0:20 1/ 6/85 TO ; 0:20 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.99	32.60	2.70	14.45	6.71	15.93	14.20	721
DIRECTI	.20	-2.18	358.20	1.41	217.92	99.65	239.59	242.50	721
U.VELOC	-27.30	-2.35	19.30	2.42	-4.35	9.76	10.68	-4.90	714
V.VELOC	-32.20	-2.71	22.90	1.98	-.33	11.76	11.76	1.10	717
TEMPRAT	-1.07	-3.90	.33	1.72	-.10	.25	.27	-.10	721

THE FILE BEING PROCESSED IS ; CM77941C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:55 1/ 2/85 TO ; 0:55 1/ 3/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	-9.90	-4.27	15.50	2.44	6.26	3.78	7.32	6.30	664
DIRECTI	1.20	-1.74	358.00	2.44	149.82	85.21	172.33	159.60	661
U.VELOC	-11.90	-2.89	10.50	2.38	.40	4.25	4.27	1.00	651
V.VELOC	-15.40	-2.44	13.60	2.94	-2.23	5.39	5.83	-1.10	649
TEMPRAT	-9.90	-38.22	-1.59	.74	-1.75	.21	1.76	-1.77	664

0:55 1/ 3/85 TO ; 0:55 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.40	13.60	2.40	5.71	3.28	6.58	6.10	740
DIRECTI	.10	-1.73	359.80	2.53	146.10	84.61	168.80	124.00	737
U.VELOC	-8.40	-2.60	12.90	2.28	2.95	4.37	5.27	3.10	732
V.VELOC	-13.60	-3.36	12.70	3.69	-1.06	3.73	3.88	-.90	731
TEMPRAT	-1.90	-.58	-1.70	.53	-1.80	.18	1.80	-1.81	738

0:55 1/ 4/85 TO ; 0:55 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.06	11.30	3.52	3.46	2.22	4.12	3.40	717
DIRECTI	.10	-1.52	359.80	1.61	174.76	114.75	209.02	173.20	718
U.VELOC	-7.80	-2.60	9.60	3.08	.17	3.06	3.06	.10	714
V.VELOC	-10.40	-4.02	7.60	2.63	.47	2.71	2.75	.60	714
TEMPRAT	-1.93	-1.13	-1.65	1.21	-1.79	.12	1.80	-1.79	718

0:55 1/ 5/85 TO ; 0:55 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.62	20.90	2.87	8.24	4.41	9.34	8.20	743
DIRECTI	.80	-2.54	359.40	1.97	202.77	79.66	217.84	211.30	744
U.VELOC	-17.00	-2.81	15.70	3.37	-2.11	5.29	5.69	-2.30	741
V.VELOC	-19.10	-2.45	11.70	2.55	-4.01	6.17	7.35	-3.60	739
TEMPRAT	-1.93	-.83	-1.65	2.43	-1.86	.09	1.86	-1.88	744

0:55 1/ 6/85 TO ; 0:55 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.45	22.60	2.99	8.14	4.84	9.46	7.10	721
DIRECTI	6.10	-2.25	350.70	1.92	192.42	82.63	209.39	204.30	720
U.VELOC	-19.00	-2.20	21.10	2.92	-1.74	7.83	8.02	-1.10	716
V.VELOC	-17.30	-3.36	13.50	3.34	-1.84	4.60	4.95	-1.70	719
TEMPRAT	-2.15	-.73	-1.88	-.29	-1.71	.60	1.81	-1.93	641

THE FILE BEING PROCESSED IS ; CM77351C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:26 1/ 2/85 TO ; 0:26 1/ 3/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.40	10.70	2.79	4.31	2.29	4.88	4.40	666
DIRECTI	.50	-1.74	359.40	3.24	125.87	72.04	145.00	141.80	667
U.VELOC	-3.40	-2.13	8.70	3.42	1.25	2.18	2.51	1.30	660
V.VELOC	-10.30	-2.28	10.70	3.14	-1.47	3.88	4.14	-1.10	660
TEMPRAT	-1.93	-.46	-1.73	.38	-1.82	.24	1.84	-1.86	662

0:26 1/ 3/85 TO ; 0:26 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.21	13.60	3.40	4.38	2.71	5.16	4.60	739
DIRECTI	24.90	-1.71	359.80	3.96	126.06	59.00	139.16	123.00	743
U.VELOC	-8.50	-3.53	10.30	2.56	2.40	3.08	3.91	1.90	737
V.VELOC	-11.00	-3.11	10.10	3.55	-1.14	3.17	3.36	-1.00	737
TEMPRAT	-1.93	-.57	-1.73	.46	-1.82	.19	1.83	-1.84	737

0:26 1/ 4/85 TO ; 0:26 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-.87	10.10	3.33	2.97	2.14	3.66	2.10	720
DIRECTI	2.90	-1.47	287.90	3.30	90.66	59.68	108.52	73.80	721
U.VELOC	-4.90	-2.89	9.90	3.46	1.84	2.33	2.97	1.10	720
V.VELOC	-7.50	-3.61	6.30	2.86	.21	2.13	2.14	.60	720
TEMPRAT	-1.93	-.56	-1.73	1.33	-1.87	.11	1.87	-1.88	719

0:26 1/ 5/85 TO ; 0:26 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.55	20.30	3.46	7.03	3.84	8.00	6.70	745
DIRECTI	5.70	-1.39	346.20	3.13	110.31	75.40	133.59	118.80	743
U.VELOC	-7.10	-2.83	13.20	3.70	1.70	3.11	3.54	1.70	743
V.VELOC	-19.10	-2.52	15.60	2.49	-1.66	6.93	7.12	-1.00	737
TEMPRAT	-1.91	-1.02	-1.64	1.11	-1.78	.13	1.78	-1.79	742

0:26 1/ 6/85 TO ; 0:26 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.39	19.00	2.81	7.02	4.27	8.21	6.70	721
DIRECTI	8.20	-1.10	359.10	3.54	91.69	75.60	118.80	77.60	720
U.VELOC	-6.60	-2.29	18.70	4.14	2.42	3.93	4.61	1.90	720
V.VELOC	-15.40	-2.51	18.70	2.61	1.34	6.66	6.79	.60	720
TEMPRAT	-1.91	-1.90	-1.77	4.24	-1.87	.02	1.87	-1.88	721

THE FILE BEING PROCESSED IS ; CM77371C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:25 1/ 2/85 TO ; 0:25 1/ 3/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.18	13.60	3.20	4.48	2.85	5.30	4.40	668
DIRECTI	-9.90	-1.81	357.30	1.92	168.31	98.37	194.91	167.00	664
U.VELOC	-9.90	-2.85	9.20	2.48	.32	3.58	3.59	.60	658
V.VELOC	-12.80	-3.21	11.10	3.01	-.46	3.85	3.87	-.20	659
TEMPRAT	-9.90	-13.39	-1.75	.26	-1.90	.60	1.99	-1.91	660

0:25 1/ 3/85 TO ; 0:25 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.38	16.70	3.15	5.85	3.45	6.79	5.70	740
DIRECTI	1.50	-1.50	359.80	2.31	142.47	94.02	170.66	118.10	741
U.VELOC	-14.40	-3.40	14.50	2.56	2.08	4.85	5.27	2.00	735
V.VELOC	-12.50	-2.98	13.00	3.03	.14	4.25	4.25	.30	736
TEMPRAT	-9.90	-12.27	-1.84	.01	-1.85	.66	1.96	-1.91	709

0:25 1/ 4/85 TO ; 0:25 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-.54	13.80	5.05	2.33	2.27	3.25	1.10	719
DIRECTI	.80	-1.46	359.40	2.90	121.19	82.23	146.42	94.70	721
U.VELOC	-5.50	-2.98	12.90	4.76	1.59	2.38	2.86	1.00	719
V.VELOC	-6.10	-4.09	5.60	3.52	.19	1.54	1.55	.20	719
TEMPRAT	-1.96	-.44	-.82	4.03	-1.85	.25	1.86	-1.91	713

0:25 1/ 5/85 TO ; 0:25 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.47	24.90	3.47	8.18	4.82	9.49	7.80	744
DIRECTI	1.90	-1.78	358.70	2.37	154.75	86.05	177.04	158.20	745
U.VELOC	-20.50	-3.41	19.70	2.85	1.38	6.42	6.56	1.10	744
V.VELOC	-24.30	-3.42	15.30	2.56	-1.66	6.62	6.82	-1.10	741
TEMPRAT	-1.91	-.94	-.94	3.71	-1.71	.21	1.73	-1.80	743

0:25 1/ 6/85 TO ; 0:25 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.52	25.70	3.28	8.91	5.13	10.27	8.60	720
DIRECTI	2.20	-1.73	358.70	1.83	175.55	100.13	202.06	167.00	721
U.VELOC	-20.80	-2.28	25.20	2.89	-.51	8.89	8.90	.40	715
V.VELOC	-19.10	-3.71	13.70	2.79	-.39	5.05	5.06	-.60	719
TEMPRAT	-1.84	-2.13	-1.71	2.04	-1.77	.03	1.77	-1.77	721

THE FILE BEING PROCESSED IS ; CM76232C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
0:25 1/ 2/85 TO ; 0:25 1/ 3/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.15	12.60	2.54	4.68	3.12	5.62	4.40	672
DIRECTI	.10	-2.59	359.40	2.08	199.53	77.02	213.86	173.60	669
U.VELOC	-9.30	-3.52	7.50	2.87	-.05	2.63	2.63	.20	668
V.VELOC	-11.80	-2.20	11.30	3.21	-2.40	4.27	4.90	-1.40	665
TEMPRAT	-1.97	-.44	-1.88	.40	-1.92	.11	1.93	-1.94	671

0:25 1/ 3/85 TO ; 0:25 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.37	15.70	2.34	6.50	3.93	7.59	6.90	743
DIRECTI	1.20	-1.86	357.30	2.74	145.03	77.48	164.40	153.70	745
U.VELOC	-8.80	-4.11	8.60	2.36	2.26	2.69	3.51	2.60	743
V.VELOC	-14.10	-1.85	12.40	2.50	-2.82	6.09	6.71	-2.90	741
TEMPRAT	-1.97	-.41	-1.90	.28	-1.93	.10	1.93	-1.94	743

0:25 1/ 4/85 TO ; 0:25 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.10	-1.34	18.80	3.13	6.40	3.96	7.53	6.50	719
DIRECTI	149.90	-.44	342.00	8.08	159.78	22.56	161.36	156.10	720
U.VELOC	-7.10	-4.72	8.80	3.06	2.55	2.04	3.26	2.40	718
V.VELOC	-16.60	-2.90	14.90	5.37	-5.56	3.81	6.74	-5.80	715
TEMPRAT	-1.94	-.46	-1.90	.10	-1.91	.07	1.91	-1.90	720

THE FILE BEING PROCESSED IS ; CM66284C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 3/85 TO ; 1: 0 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	18.50	-2.13	168.40	3.51	75.10	26.57	79.65	73.40	745
DIRECTI	.50	-3.61	328.40	.65	278.14	76.82	288.54	292.60	745
U.VELOC	-157.40	-3.47	3.40	2.30	-60.71	27.85	66.79	-58.90	745
V.VELOC	5.60	-1.60	108.50	3.44	38.30	20.42	43.40	36.50	745
TEMPRAT	-1.92	-2.03	-1.34	1.89	-1.62	.15	1.63	-1.56	745
PRESSUR	131.23	-1.16	351.90	4.77	174.34	37.25	178.27	168.65	745
CONDUCT	26.32	-3.05	27.52	2.98	26.93	.20	26.93	26.92	745
SALINIT	32.88	-5.24	34.62	3.86	33.88	.19	33.88	33.93	745

1: 0 1/ 4/85 TO ; 1: 0 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-2.31	144.90	3.44	59.14	24.92	64.17	59.20	721
DIRECTI	268.20	-3.88	300.80	2.59	287.76	5.04	287.80	288.00	721
U.VELOC	-131.30	-3.34	-1.50	2.39	-55.70	22.66	60.13	-56.00	721
V.VELOC	-.10	-1.72	61.30	3.70	19.35	11.33	22.42	17.40	721
TEMPRAT	-1.90	-.56	-1.52	7.45	-1.87	.05	1.87	-1.88	721
PRESSUR	131.61	-1.05	289.29	5.29	157.73	24.87	159.68	151.08	721
CONDUCT	26.62	-2.32	27.00	8.05	26.70	.04	26.70	26.70	721
SALINIT	33.73	-3.04	34.27	8.48	33.87	.05	33.87	33.88	721

1: 0 1/ 5/85 TO ; 1: 0 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.74	154.60	3.39	53.41	29.83	61.17	50.60	745
DIRECTI	269.90	-4.00	300.10	3.01	287.12	4.31	287.15	287.70	745
U.VELOC	-139.60	-3.27	-1.40	1.80	-50.39	27.26	57.29	-48.40	745
V.VELOC	.00	-1.38	76.70	4.71	17.37	12.60	21.45	15.20	745
TEMPRAT	-1.90	-.38	-1.49	8.75	-1.88	.04	1.88	-1.90	745
PRESSUR	131.23	-.92	298.45	4.31	160.68	31.95	163.82	149.56	745
CONDUCT	26.47	-3.43	27.22	6.21	26.74	.08	26.74	26.70	745
SALINIT	33.56	-4.22	34.41	5.55	33.93	.09	33.93	33.91	745

1: 0 1/ 6/85 TO ; 1: 0 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.19	186.30	3.91	44.66	36.25	57.51	30.60	721
DIRECTI	274.10	-1.41	331.50	3.88	289.38	10.86	289.59	287.30	721
U.VELOC	-174.10	-3.94	-1.20	1.19	-41.30	33.69	53.29	-28.40	720
V.VELOC	.10	-1.02	100.00	5.59	15.46	15.13	21.63	10.30	721
TEMPRAT	-1.90	-1.02	-1.63	5.93	-1.86	.04	1.86	-1.86	721
PRESSUR	128.18	-.71	351.90	3.87	162.98	48.87	170.14	139.25	721
CONDUCT	26.70	-.61	27.00	1.67	26.78	.13	26.78	26.77	721
SALINIT	33.83	-3.18	34.15	4.56	33.96	.04	33.96	33.96	721

THE FILE BEING PROCESSED IS : CM66284C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 7/85 TO ; 1: 0 1/ 8/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-.51	39.20	3.91	5.83	8.53	10.33	1.50	745
DIRECTI	.10	-.98	359.40	1.71	130.98	133.71	187.11	39.20	745
U.VELOC	-38.30	-4.23	18.60	2.42	-2.13	8.56	8.81	.20	745
V.VELOC	.00	-.67	26.20	5.18	3.00	4.48	5.39	1.40	745
TEMPRAT	-1.90	-.63	-1.81	7.15	-1.89	.01	1.89	-1.90	745
PRESSUR	130.47	-.68	140.78	6.07	131.51	1.53	131.52	131.23	745
CONDUCT	26.70	-.40	26.85	.98	26.74	.11	26.74	26.77	745
SALINIT	33.83	-1.14	34.12	1.26	33.97	.12	33.97	33.99	745

1: 0 1/ 8/85 TO ; 1: 0 1/ 9/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.22	69.40	3.37	19.56	14.78	24.51	19.60	745
DIRECTI	.10	-.76	359.80	1.92	101.77	134.20	168.35	39.20	745
U.VELOC	-2.60	-.85	36.00	2.15	8.34	12.86	15.32	.90	745
V.VELOC	-34.80	-2.78	69.40	3.66	10.22	16.18	19.13	6.40	745
TEMPRAT	-1.90	-.50	15.02	3.01	.53	4.82	4.84	-1.90	745
PRESSUR	104.89	-1.86	165.97	3.13	127.64	12.24	128.23	131.23	745
CONDUCT	2.02	-1.99	26.85	.51	21.77	9.91	23.91	26.77	745
SALINIT	1.32	-2.00	34.12	.51	27.42	13.06	30.36	34.01	745

1: 0 1/ 9/85 TO ; 1: 0 1/10/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	2.10	-1.70	191.90	9.33	31.38	17.21	35.79	35.10	721
DIRECTI	87.00	-.80	150.90	3.28	99.57	15.65	100.79	91.90	721
U.VELOC	2.10	-1.60	191.70	9.24	30.07	17.48	34.78	34.30	721
V.VELOC	-30.40	-3.54	7.60	1.53	-3.85	7.50	8.43	-.50	720
TEMPRAT	10.04	.00	10.04	.00	10.04	.03	10.04	10.04	721
PRESSUR	95.73	-5.95	106.42	.99	104.90	1.54	104.91	105.27	721
CONDUCT	2.02	-1.33	3.15	5.95	2.23	.16	2.23	2.17	721
SALINIT	1.45	-1.32	2.34	5.93	1.61	.12	1.62	1.57	721

1: 0 1/10/85 TO ; 1: 0 1/11/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	2.10	-1.33	192.50	.88	116.82	86.26	145.18	184.10	745
DIRECTI	86.70	-.78	289.10	2.64	132.92	59.05	145.43	101.00	745
U.VELOC	-192.50	-2.50	192.20	1.03	80.11	108.96	135.18	80.00	745
V.VELOC	-191.80	-3.50	63.00	1.69	-19.94	49.06	52.93	-2.90	744
TEMPRAT	10.04	-.02	10.40	14.74	10.04	.02	10.04	10.04	745
PRESSUR	103.74	-2.74	106.80	3.03	105.19	.53	105.19	105.27	745
CONDUCT	2.02	-.98	2.92	5.84	2.15	.13	2.15	2.10	745
SALINIT	1.45	-.98	2.16	5.86	1.55	.10	1.55	1.51	745

THE FILE BEING PROCESSED IS ; CM66284C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/11/85 TO ; 1: 0 1/12/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	2.10	-1.61	192.50	.77	130.87	80.17	153.44	182.00	721
DIRECTI	86.70	-.47	213.70	4.99	97.64	23.26	100.37	87.70	721
U.VELOC	-102.80	-2.80	192.50	.82	125.37	81.52	149.51	180.50	721
V.VELOC	-191.80	-5.46	10.20	.49	-6.34	33.96	34.52	6.40	719
TEMPRAI	10.04	.00	10.08	1.35	10.04	.03	10.04	10.04	721
PRESSUR	104.89	-.92	107.56	3.63	105.43	.59	105.43	105.27	721
CONDUCT	2.02	-1.68	3.82	4.94	2.48	.27	2.49	2.40	721
SALINIT	1.45	-1.68	2.88	5.00	1.81	.21	1.82	1.75	721

1: 0 1/12/85 TO ; 1: 0 1/ 1/86

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	2.10	-1.93	192.50	.64	145.32	74.27	163.18	185.60	745
DIRECTI	87.00	-.74	251.10	6.55	103.60	22.53	106.01	94.70	745
U.VELOC	-65.80	-2.74	192.30	.77	135.87	73.49	154.45	181.10	745
V.VELOC	-185.50	-3.53	9.70	.85	-28.01	44.62	52.66	-6.20	745
TEMPRAI	10.04	-.02	10.40	14.74	10.04	.02	10.04	10.04	745
PRESSUR	104.89	-2.09	107.18	3.20	105.80	.43	105.80	105.65	745
CONDUCT	.22	-11.20	3.75	3.85	2.85	.23	2.86	2.85	745
SALINIT	.08	-10.87	2.82	3.87	2.10	.19	2.11	2.10	745

1: 0 1/ 1/86 TO ; 1: 0 1/ 2/86

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	2.10	-1.55	192.50	.75	130.16	82.85	154.26	185.60	745
DIRECTI	86.70	-.96	197.00	2.92	114.05	28.38	117.52	100.30	745
U.VELOC	-53.70	-2.01	192.50	1.11	104.56	78.93	130.97	129.80	745
V.VELOC	-192.40	-2.20	10.70	.91	-48.79	65.32	81.49	-12.90	744
TEMPRAI	10.04	.00	10.04	.00	10.04	.03	10.04	10.04	745
PRESSUR	105.65	-.51	155.28	27.02	106.56	1.80	106.58	106.42	745
CONDUCT	2.85	-2.09	4.72	4.78	3.42	.27	3.43	3.37	745
SALINIT	2.10	-2.10	3.61	4.83	2.56	.22	2.57	2.52	745

THE FILE BEING PROCESSED IS ; CM61483C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 3/85 TO ; 1: 0 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.88	174.20	2.76	71.52	37.23	80.62	73.20	745
DIRECTI	19.70	-14.06	358.70	3.52	290.77	19.28	291.40	292.20	745
U.VELOC	-173.60	-3.04	104.10	4.74	-65.25	35.69	74.37	-67.00	745
V.VELOC	-92.20	-6.47	79.90	3.01	25.30	18.16	31.14	25.70	745
TEMPRAT	-2.05	-3.12	-1.55	1.66	-1.72	.10	1.73	-1.70	745
PRESSUR	280.18	-1.63	358.18	1.76	317.68	23.03	318.52	315.91	745
CONDUCT	27.05	-2.24	27.51	1.10	27.36	.14	27.36	27.36	745
SALINIT	34.34	-3.33	34.62	2.08	34.51	.05	34.51	34.51	745

1: 0 1/ 4/85 TO ; 1: 0 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-2.07	156.20	3.45	59.56	28.04	65.82	58.40	721
DIRECTI	.50	-6.77	359.40	1.92	280.10	41.29	283.12	286.70	721
U.VELOC	-154.50	-3.52	13.50	2.44	-55.18	28.18	61.95	-54.80	721
V.VELOC	-25.50	-3.07	54.50	2.67	17.29	13.95	22.21	17.10	721
TEMPRAT	-2.00	-1.76	-1.53	6.15	-1.90	.06	1.90	-1.92	721
PRESSUR	279.80	-1.48	358.18	2.81	306.88	18.27	307.42	302.08	721
CONDUCT	27.05	-1.20	27.51	3.64	27.16	.10	27.16	27.13	721
SALINIT	34.30	-2.01	34.58	1.77	34.45	.07	34.45	34.45	721

1: 0 1/ 5/85 TO ; 1: 0 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-2.13	161.10	3.04	67.33	30.84	74.05	67.40	745
DIRECTI	6.80	-8.57	359.10	2.16	288.22	32.86	290.09	290.80	745
U.VELOC	-160.40	-3.27	6.60	2.28	-62.09	30.08	68.98	-62.60	744
V.VELOC	-15.30	-2.79	81.10	4.21	23.14	13.77	26.92	21.80	745
TEMPRAT	-1.96	-1.11	-1.53	10.04	-1.92	.04	1.92	-1.92	745
PRESSUR	285.94	-1.13	358.18	2.42	308.98	20.37	309.65	302.08	745
CONDUCT	26.98	-1.63	27.51	3.46	27.15	.10	27.15	27.13	745
SALINIT	34.23	-2.12	34.58	1.22	34.45	.10	34.45	34.45	745

1: 0 1/ 6/85 TO ; 1: 0 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.65	192.30	2.97	69.52	41.28	80.83	58.80	721
DIRECTI	232.60	-3.28	355.20	3.61	291.01	17.80	291.55	290.80	721
U.VELOC	-187.80	-3.10	-.50	1.56	-63.03	40.20	74.74	-53.30	720
V.VELOC	-74.50	-4.54	98.80	3.59	22.23	21.32	30.79	19.60	721
TEMPRAT	-1.96	-.98	-1.33	3.40	-1.82	.14	1.82	-1.90	721
PRESSUR	284.41	-1.00	358.18	1.95	309.47	25.03	310.48	296.70	721
CONDUCT	27.13	-1.02	27.73	3.90	27.25	.12	27.26	27.20	721
SALINIT	34.40	-1.18	34.61	1.78	34.48	.07	34.48	34.48	721

THE FILE BEING PROCESSED IS ; CM61483C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 7/85 TO ; 1: 0 1/ 8/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-.96	65.30	4.09	13.58	12.64	18.55	11.40	745
DIRECTI	.50	-1.95	359.40	1.54	200.76	102.70	225.47	206.00	745
U.VELOC	-60.50	-3.69	25.60	2.03	-4.96	15.04	15.83	-.80	741
V.VELOC	-27.50	-3.15	35.70	3.57	2.13	9.41	9.64	1.10	745
TEMPRAT	-1.94	-.65	-1.57	4.08	-1.89	.08	1.89	-1.92	745
PRESSUR	284.41	-1.00	299.01	4.49	287.07	2.66	287.09	286.33	745
CONDUCT	27.13	-.36	27.43	2.49	27.17	.11	27.17	27.13	745
SALINIT	34.39	-.90	34.62	2.17	34.46	.07	34.46	34.46	745

1: 0 1/ 8/85 TO ; 1: 0 1/ 9/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.33	113.50	3.31	33.65	24.11	41.39	27.40	745
DIRECTI	.50	-2.88	359.80	1.30	248.10	85.98	262.55	282.80	745
U.VELOC	-103.10	-2.85	35.30	2.11	-23.52	27.89	36.47	-21.60	744
V.VELOC	-22.40	-1.92	69.50	3.53	10.00	16.83	19.57	7.30	743
TEMPRAT	-1.96	-.96	-1.42	5.27	-1.88	.09	1.88	-1.92	745
PRESSUR	284.79	-.75	351.27	5.31	293.06	10.96	293.27	289.40	745
CONDUCT	26.68	-4.77	27.66	4.43	27.19	.11	27.19	27.13	745
SALINIT	33.82	-10.53	34.63	2.63	34.47	.06	34.47	34.46	745

1: 0 1/ 9/85 TO ; 1: 0 1/10/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.92	121.20	2.66	51.74	26.14	57.96	51.90	721
DIRECTI	101.00	-8.56	357.70	3.01	290.91	22.20	291.76	291.90	721
U.VELOC	-115.40	-2.88	1.50	1.96	-45.83	24.19	51.82	-46.00	720
V.VELOC	-78.10	-5.95	75.00	3.33	20.08	16.49	25.98	17.50	721
TEMPRAT	-1.94	-1.09	-1.11	5.29	-1.80	.13	1.80	-1.83	721
PRESSUR	285.94	-.99	345.50	3.23	299.89	14.12	300.22	293.63	721
CONDUCT	27.13	-2.09	27.96	8.42	27.30	.08	27.30	27.28	721
SALINIT	34.40	-2.15	34.64	2.03	34.52	.06	34.52	34.53	721

1: 0 1/10/85 TO ; 1: 0 1/11/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.90	-1.60	187.80	2.54	73.86	44.89	86.41	66.80	745
DIRECTI	228.40	-3.55	347.90	3.47	288.86	17.02	289.36	290.80	745
U.VELOC	-184.80	-2.80	-1.80	1.54	-66.79	42.15	78.96	-58.00	745
V.VELOC	-103.20	-5.37	118.90	3.89	25.63	23.98	35.09	21.00	745
TEMPRAT	-1.96	-1.01	-1.18	6.05	-1.85	.11	1.85	-1.90	745
PRESSUR	284.79	-1.09	358.18	1.42	316.68	29.14	318.02	303.62	745
CONDUCT	26.68	-8.29	27.88	8.47	27.27	.07	27.27	27.28	745
SALINIT	33.74	-15.12	34.73	3.57	34.54	.05	34.54	34.54	745

THE FILE BEING PROCESSED IS ; CM61483C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/11/85 TO ; 1: 0 1/12/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.12	152.70	3.35	39.37	33.80	51.88	30.80	721
DIRECTI	1.20	-5.00	359.80	1.44	279.76	55.76	285.25	291.20	721
U.VELOC	-148.50	-3.73	8.40	1.42	-34.76	30.48	46.21	-28.70	718
V.VELOC	-11.90	-1.49	79.60	3.56	15.10	18.12	23.57	8.40	721
TEMPRAT	-1.96	-1.37	-.96	4.15	-1.71	.18	1.72	-1.74	721
PRESSUR	283.64	-.71	358.18	3.40	296.52	18.11	297.07	289.02	721
CONDUCT	27.13	-1.49	28.03	4.04	27.37	.16	27.37	27.36	721
SALINIT	34.39	-1.33	34.78	2.35	34.53	.11	34.53	34.53	721

1: 0 1/12/85 TO ; 1: 0 1/ 1/86

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	12.10	-1.95	169.30	3.91	64.32	26.85	69.69	58.80	745
DIRECTI	259.80	-3.50	345.10	4.80	295.77	10.28	295.95	295.00	745
U.VELOC	-139.90	-3.52	-4.50	2.22	-56.88	23.57	61.57	-53.00	745
V.VELOC	-8.40	-2.17	125.60	5.81	28.03	16.78	32.66	24.40	745
TEMPRAT	-1.87	-1.39	-1.03	3.74	-1.64	.16	1.65	-1.70	745
PRESSUR	284.79	-1.13	358.18	3.18	304.07	16.99	304.54	297.47	745
CONDUCT	26.68	-5.40	27.88	3.70	27.39	.13	27.39	27.36	745
SALINIT	33.65	-10.42	34.65	2.25	34.47	.08	34.47	34.48	745

1: 0 1/ 1/86 TO ; 1: 0 1/ 2/86

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	13.60	-2.18	133.50	2.23	72.96	27.19	77.86	70.90	745
DIRECTI	265.70	-3.56	351.00	5.85	297.97	9.06	298.11	295.00	745
U.VELOC	-125.30	-2.51	-4.00	2.43	-63.76	24.55	68.32	-62.50	744
V.VELOC	-2.10	-2.30	93.00	3.78	33.91	15.63	37.33	33.10	745
TEMPRAT	-1.81	-1.59	-.70	3.36	-1.45	.22	1.47	-1.48	745
PRESSUR	284.02	-1.23	358.18	2.04	311.97	22.65	312.79	303.23	745
CONDUCT	27.20	-1.85	28.26	3.73	27.55	.19	27.55	27.51	745
SALINIT	34.23	-4.02	34.71	4.05	34.47	.06	34.47	34.47	745

THE FILE BEING PROCESSED IS ; CM61504C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 3/85 TO ; 1: 0 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.52	116.70	3.10	39.43	24.95	46.65	36.80	745
DIRECTI	1.90	-4.79	359.80	1.29	283.98	58.86	290.01	299.00	745
U.VELOC	-111.40	-3.18	28.10	2.43	-32.28	24.89	40.75	-31.10	745
V.VELOC	-32.80	-3.42	80.70	4.32	17.35	14.66	22.71	17.10	742
TEMPRAT	-2.04	-3.06	-1.49	2.05	-1.71	.11	1.71	-1.70	745
PRESSUR	354.54	.00	354.54	.00	354.54	1.56	354.54	354.54	745
CONDUCT	27.23	-2.04	27.69	1.52	27.49	.13	27.49	27.54	745
SALINIT	34.57	-1.12	35.11	5.24	34.67	.08	34.67	34.66	745

1: 0 1/ 4/85 TO ; 1: 0 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.38	105.10	4.14	27.37	18.77	33.18	23.30	721
DIRECTI	.10	-3.80	357.30	1.15	274.53	72.27	283.87	299.00	721
U.VELOC	-99.90	-4.08	27.40	2.43	-20.05	19.55	27.99	-18.00	719
V.VELOC	-28.80	-3.14	52.40	3.09	12.15	13.03	17.81	10.60	721
TEMPRAT	-1.97	-1.17	-1.31	5.30	-1.85	.10	1.85	-1.88	721
PRESSUR	354.54	.00	354.54	.00	354.54	1.53	354.54	354.54	721
CONDUCT	27.23	-.79	27.84	4.50	27.32	.12	27.32	27.31	721
SALINIT	34.49	-6.20	34.68	5.96	34.59	.02	34.59	34.57	721

1: 0 1/ 5/85 TO ; 1: 0 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.56	106.40	3.45	34.15	20.95	40.06	31.40	745
DIRECTI	1.20	-3.83	358.70	1.22	272.64	70.80	281.67	299.00	745
U.VELOC	-106.40	-3.28	51.60	3.03	-24.26	25.04	34.85	-23.50	745
V.VELOC	-28.30	-2.83	91.70	5.34	13.22	14.68	19.75	13.30	744
TEMPRAT	-1.92	-1.01	-1.40	4.52	-1.83	.09	1.83	-1.86	745
PRESSUR	354.54	.00	354.54	.00	354.54	1.56	354.54	354.54	745
CONDUCT	27.23	-1.06	27.77	3.09	27.37	.13	27.37	27.31	745
SALINIT	34.52	-2.18	34.74	2.51	34.62	.05	34.62	34.63	745

1: 0 1/ 6/85 TO ; 1: 0 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.35	149.20	3.25	44.83	32.09	55.12	40.50	721
DIRECTI	4.70	-4.72	358.40	1.29	282.66	58.89	288.72	299.40	721
U.VELOC	-146.10	-3.38	22.80	1.86	-37.16	32.26	49.19	-32.60	720
V.VELOC	-54.80	-4.22	77.40	3.45	17.92	17.23	24.85	19.10	720
TEMPRAT	-1.92	-1.03	-.88	4.37	-1.72	.19	1.73	-1.79	721
PRESSUR	281.92	-32.48	354.54	.04	354.44	2.23	354.45	354.54	721
CONDUCT	23.19	-17.22	28.30	3.28	27.48	.25	27.48	27.46	721
SALINIT	28.13	-28.25	34.81	.64	34.66	.23	34.66	34.68	721

THE FILE BEING PROCESSED IS ; CM61504C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 7/85 TO ; 1: 0 1/ 8/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-.86	43.30	3.90	9.08	8.77	12.62	6.40	745
DIRECTI	.10	-2.21	359.40	1.29	227.14	102.74	249.26	273.70	745
U.VELOC	-40.50	-3.69	24.90	2.94	-4.10	9.87	10.68	-1.40	741
V.VELOC	-19.80	-3.71	26.30	3.87	2.76	6.08	6.67	1.30	745
TEMPRAT	-1.90	-2.42	-1.00	2.25	-1.43	.19	1.45	-1.40	745
PRESSUR	354.54	.00	354.54	.00	354.54	1.56	354.54	354.54	745
CONDUCT	27.31	-2.24	28.15	2.06	27.75	.20	27.75	27.77	745
SALINIT	34.60	-1.46	34.84	2.27	34.69	.06	34.69	34.68	745

1: 0 1/ 8/85 TO ; 1: 0 1/ 9/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.11	90.50	3.39	23.42	19.80	30.66	18.30	745
DIRECTI	.50	-3.50	357.70	1.14	269.92	76.96	280.67	299.00	745
U.VELOC	-86.70	-3.65	27.60	2.29	-16.51	19.23	25.33	-13.10	742
V.VELOC	-15.10	-2.02	53.60	3.24	11.31	13.05	17.26	9.30	745
TEMPRAT	-1.88	-1.49	-.41	2.81	-1.37	.34	1.41	-1.38	745
PRESSUR	354.54	.00	354.54	.00	354.54	1.56	354.54	354.54	745
CONDUCT	27.31	-1.56	28.68	2.91	27.79	.31	27.79	27.77	745
SALINIT	34.55	-1.86	34.81	1.96	34.68	.07	34.68	34.68	745

1: 0 1/ 9/85 TO ; 1: 0 1/10/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.91	90.20	2.20	42.73	21.62	47.88	44.60	721
DIRECTI	.50	-18.73	355.90	3.14	304.81	16.25	305.24	303.90	721
U.VELOC	-76.50	-2.22	.00	1.85	-34.74	18.82	39.51	-36.80	721
V.VELOC	-4.00	-2.15	63.20	3.05	23.77	12.93	27.06	24.50	721
TEMPRAT	-1.90	-1.06	-.95	3.70	-1.69	.20	1.70	-1.76	721
PRESSUR	354.54	.00	354.54	.00	354.54	1.53	354.54	354.54	721
CONDUCT	27.31	-1.01	28.15	3.36	27.50	.19	27.51	27.46	721
SALINIT	34.57	-1.05	34.74	1.06	34.65	.08	34.65	34.65	721

1: 0 1/10/85 TO ; 1: 0 1/11/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.93	163.20	2.52	71.73	36.31	80.38	66.80	745
DIRECTI	244.10	-3.38	343.40	2.79	298.47	16.08	298.90	301.50	745
U.VELOC	-158.30	-2.76	-1.10	1.73	-61.61	34.97	70.83	-54.00	745
V.VELOC	-64.50	-3.59	131.70	4.03	27.96	25.77	38.01	28.20	745
TEMPRAT	-1.95	-1.00	-1.06	6.47	-1.83	.12	1.83	-1.88	745
PRESSUR	354.54	.00	354.54	.00	354.54	1.56	354.54	354.54	745
CONDUCT	27.23	-.99	27.99	5.26	27.35	.12	27.35	27.31	745
SALINIT	34.52	-1.42	34.71	1.77	34.60	.06	34.60	34.60	745

THE FILE BEING PROCESSED IS ; CM61504C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/11/85 TO ; 1: 0 1/12/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.47	112.80	2.97	38.36	25.07	45.82	35.70	721
DIRECTI	.10	-8.47	352.40	1.44	301.36	35.57	303.45	303.60	721
U.VELOC	-105.10	-3.32	1.10	1.47	-31.46	22.20	38.50	-28.80	719
V.VELOC	-5.50	-1.96	71.80	3.78	20.87	13.46	24.83	20.20	721
TEMPRAT	-1.92	-1.21	-.91	3.30	-1.65	.22	1.66	-1.72	721
PRESSUR	354.54	.00	354.54	.00	354.54	1.53	354.54	354.54	721
CONDUCT	27.23	-.94	28.07	2.98	27.43	.21	27.43	27.38	721
SALINIT	34.39	-2.04	34.63	2.14	34.51	.06	34.51	34.50	721

1: 0 1/12/85 TO ; 1: 0 1/ 1/86

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.38	120.80	2.99	39.17	27.28	47.72	41.40	745
DIRECTI	179.20	-11.90	339.20	3.31	304.39	10.52	304.57	304.30	745
U.VELOC	-112.90	-3.60	.00	1.41	-31.86	22.54	39.02	-33.50	745
V.VELOC	-3.00	-1.54	96.50	4.56	22.12	16.31	27.48	23.20	745
TEMPRAT	-1.90	-1.21	-1.04	3.75	-1.69	.17	1.70	-1.76	745
PRESSUR	354.54	.00	354.54	.00	354.54	1.56	354.54	354.54	745
CONDUCT	27.08	-1.53	27.84	4.13	27.29	.13	27.29	27.23	745
SALINIT	34.18	-2.60	34.55	3.14	34.35	.06	34.35	34.36	745

1: 0 1/ 1/86 TO ; 1: 0 1/ 2/86

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.83	97.80	2.48	42.43	22.37	47.96	40.90	745
DIRECTI	.10	-15.68	347.60	2.35	302.24	19.27	302.86	302.20	745
U.VELOC	-88.60	-2.73	1.30	1.89	-35.49	19.43	40.45	-34.40	744
V.VELOC	-.70	-1.86	70.20	3.82	22.54	12.47	25.76	21.50	745
TEMPRAT	-1.86	-1.54	-.86	3.34	-1.54	.21	1.56	-1.58	745
PRESSUR	354.54	.00	354.54	.00	354.54	1.56	354.54	354.54	745
CONDUCT	27.00	-1.53	27.84	3.26	27.27	.18	27.27	27.23	745
SALINIT	34.00	-2.67	34.34	3.14	34.16	.06	34.16	34.16	745

THE FILE BEING PROCESSED IS ; CM61494C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 3/85 TO ; 1: 0 1/ 4/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.50	154.80	2.82	54.66	35.49	65.16	53.40	745
DIRECTI	1.50	-5.90	358.70	1.59	282.74	47.64	286.72	294.30	745
U.VELOC	-154.30	-3.20	31.80	2.36	-47.22	33.48	57.87	-47.90	745
V.VELOC	-16.60	-1.97	125.20	5.18	22.45	19.84	29.96	20.30	745
TEMPRAT	-1.93	-2.11	-1.50	1.82	-1.70	.11	1.70	-1.73	745
PRESSUR	355.65	.00	355.65	.00	355.65	1.15	355.65	355.65	745
CONDUCT	27.25	-2.18	27.63	1.55	27.47	.10	27.47	27.41	745
SALINIT	34.51	-.84	34.85	1.87	34.62	.13	34.62	34.61	745

1: 0 1/ 4/85 TO ; 1: 0 1/ 5/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.72	143.60	4.35	41.84	23.41	47.94	39.40	721
DIRECTI	5.40	-7.59	354.50	1.72	290.06	37.51	292.47	294.70	721
U.VELOC	-138.00	-4.43	8.00	1.99	-37.28	22.76	43.67	-34.70	721
V.VELOC	-13.80	-2.88	53.90	3.51	16.71	10.60	19.79	16.50	721
TEMPRAT	-1.95	-1.30	-1.50	4.66	-1.85	.08	1.85	-1.86	721
PRESSUR	355.65	.00	355.65	.00	355.65	1.12	355.65	355.65	721
CONDUCT	27.18	-1.90	27.63	5.19	27.30	.06	27.30	27.25	721
SALINIT	34.45	-.90	34.74	1.45	34.56	.12	34.56	34.56	721

1: 0 1/ 5/85 TO ; 1: 0 1/ 6/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.81	143.00	3.48	50.03	26.75	56.72	47.60	745
DIRECTI	24.60	-5.53	341.30	1.23	283.61	46.83	287.45	294.30	745
U.VELOC	-141.80	-3.56	43.30	3.10	-42.94	27.80	51.14	-42.00	745
V.VELOC	-24.00	-3.00	94.90	5.16	19.75	14.57	24.53	18.70	744
TEMPRAT	-1.91	-1.40	-1.59	4.19	-1.83	.06	1.83	-1.84	745
PRESSUR	355.65	.00	355.65	.00	355.65	1.15	355.65	355.65	745
CONDUCT	27.18	-2.15	27.71	6.61	27.31	.06	27.31	27.33	745
SALINIT	34.43	-1.72	34.92	5.47	34.55	.07	34.55	34.53	745

1: 0 1/ 6/85 TO ; 1: 0 1/ 7/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.53	191.70	3.19	63.01	40.33	74.80	58.80	721
DIRECTI	44.40	-8.13	333.60	1.32	293.12	30.58	294.71	299.00	721
U.VELOC	-190.90	-3.92	16.20	2.00	-53.68	35.00	64.07	-50.90	721
V.VELOC	-131.00	-5.95	169.30	5.30	27.90	26.70	38.60	27.60	721
TEMPRAT	-1.91	-1.12	-.98	5.14	-1.74	.15	1.75	-1.77	721
PRESSUR	355.65	.00	355.65	.00	355.65	1.12	355.65	355.65	721
CONDUCT	27.25	-1.90	28.08	7.28	27.42	.09	27.42	27.41	721
SALINIT	34.48	-1.32	34.87	3.02	34.60	.09	34.60	34.61	721

THE FILE BEING PROCESSED IS ; CM61494C.DAT
TABLE OF STATISTICS FOR PERIOD FROM ;
1: 0 1/ 7/85 TO ; 1: 0 1/ 8/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-.83	68.00	3.18	15.26	16.59	22.54	8.80	745
DIRECTI	.50	-2.28	359.10	1.34	226.58	99.07	247.27	286.00	745
U.VELOC	-64.50	-3.33	20.80	1.93	-10.54	16.21	19.33	-1.90	744
V.VELOC	-17.90	-2.44	41.50	3.59	6.11	9.85	11.58	1.40	744
TEMPRAT	-1.89	-2.26	-1.32	2.36	-1.61	.12	1.62	-1.59	745
PRESSUR	355.65	.00	355.65	.00	355.65	1.15	355.65	355.65	745
CONDUCT	26.95	-4.80	27.78	1.93	27.54	.12	27.54	27.56	745
SALINIT	33.70	-7.57	34.71	.81	34.61	.12	34.61	34.61	745

1: 0 1/ 8/85 TO ; 1: 0 1/ 9/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	1.50	-1.31	111.60	2.96	35.33	25.73	43.70	31.90	745
DIRECTI	5.40	-3.17	359.80	1.24	259.77	80.36	271.90	295.00	745
U.VELOC	-107.10	-3.04	28.20	2.12	-27.43	26.18	37.91	-27.10	745
V.VELOC	-23.80	-2.44	64.40	3.13	14.88	15.84	21.73	14.10	745
TEMPRAT	-1.89	-1.60	-.87	3.25	-1.55	.21	1.57	-1.59	745
PRESSUR	355.65	.00	355.65	.00	355.65	1.15	355.65	355.65	745
CONDUCT	27.25	-1.65	28.23	3.11	27.59	.21	27.59	27.56	745
SALINIT	34.48	-1.24	34.79	1.68	34.61	.11	34.61	34.61	745

1: 0 1/ 9/85 TO ; 1: 0 1/10/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	12.90	-2.21	109.40	2.47	58.50	20.61	62.02	58.60	721
DIRECTI	1.50	-16.43	347.20	2.52	301.19	18.24	301.74	300.40	721
U.VELOC	-103.40	-2.69	20.30	3.47	-49.40	20.07	53.31	-49.50	721
V.VELOC	5.00	-2.21	79.50	4.47	29.67	11.16	31.69	29.40	721
TEMPRAT	-1.89	-1.11	-1.00	3.40	-1.67	.20	1.68	-1.75	721
PRESSUR	355.65	.00	355.65	.00	355.65	1.12	355.65	355.65	721
CONDUCT	27.33	-.96	28.61	6.31	27.50	.18	27.50	27.41	721
SALINIT	34.45	-3.58	36.33	35.46	34.62	.05	34.62	34.61	721

1: 0 1/10/85 TO ; 1: 0 1/11/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	2.10	-1.98	191.90	2.32	89.45	44.16	99.74	76.20	745
DIRECTI	1.20	-10.34	359.80	2.15	298.05	28.70	299.43	299.00	745
U.VELOC	-190.70	-3.16	29.50	2.75	-72.93	37.26	81.88	-63.10	745
V.VELOC	-106.60	-3.96	189.50	3.90	42.72	37.68	56.95	34.40	745
TEMPRAT	-1.91	-.69	1.10	15.40	-1.78	.19	1.79	-1.84	745
PRESSUR	355.65	.00	355.65	.00	355.65	1.15	355.65	355.65	745
CONDUCT	27.25	-1.28	28.38	10.16	27.38	.10	27.38	27.33	745
SALINIT	31.41	-20.45	34.80	1.41	34.58	.16	34.58	34.59	745

THE FILE BEING PROCESSED IS ; CM61494C.DAT
TABLE OF SIATISTICS FOR PERIOD FROM ;
1: 0 1/11/85 TO ; 1: 0 1/12/85

Column	Min.	Min S.U.	Max.	Max S.U.	Mean	StDev	RMS	Median	NPts
SPEED	5.40	-1.59	149.70	3.54	50.20	28.11	57.53	47.40	721
DIRECTI	4.00	-11.03	359.40	2.33	297.51	26.62	298.70	298.00	721
U.VELOC	-149.50	-3.91	32.20	2.81	-43.84	27.04	51.50	-40.60	721
V.VELOC	-5.60	-2.42	62.00	3.34	22.80	11.74	25.64	21.80	721
TEMPRAT	-1.89	-.58	10.22	23.68	-1.60	.50	1.67	-1.68	721
PRESSUR	355.65	.00	355.65	.00	355.65	1.12	355.65	355.65	721
CONDUCT	27.18	-1.40	28.84	6.88	27.46	.20	27.46	27.41	721
SALINIT	24.27	-25.95	36.61	5.38	34.49	.39	34.49	34.51	721