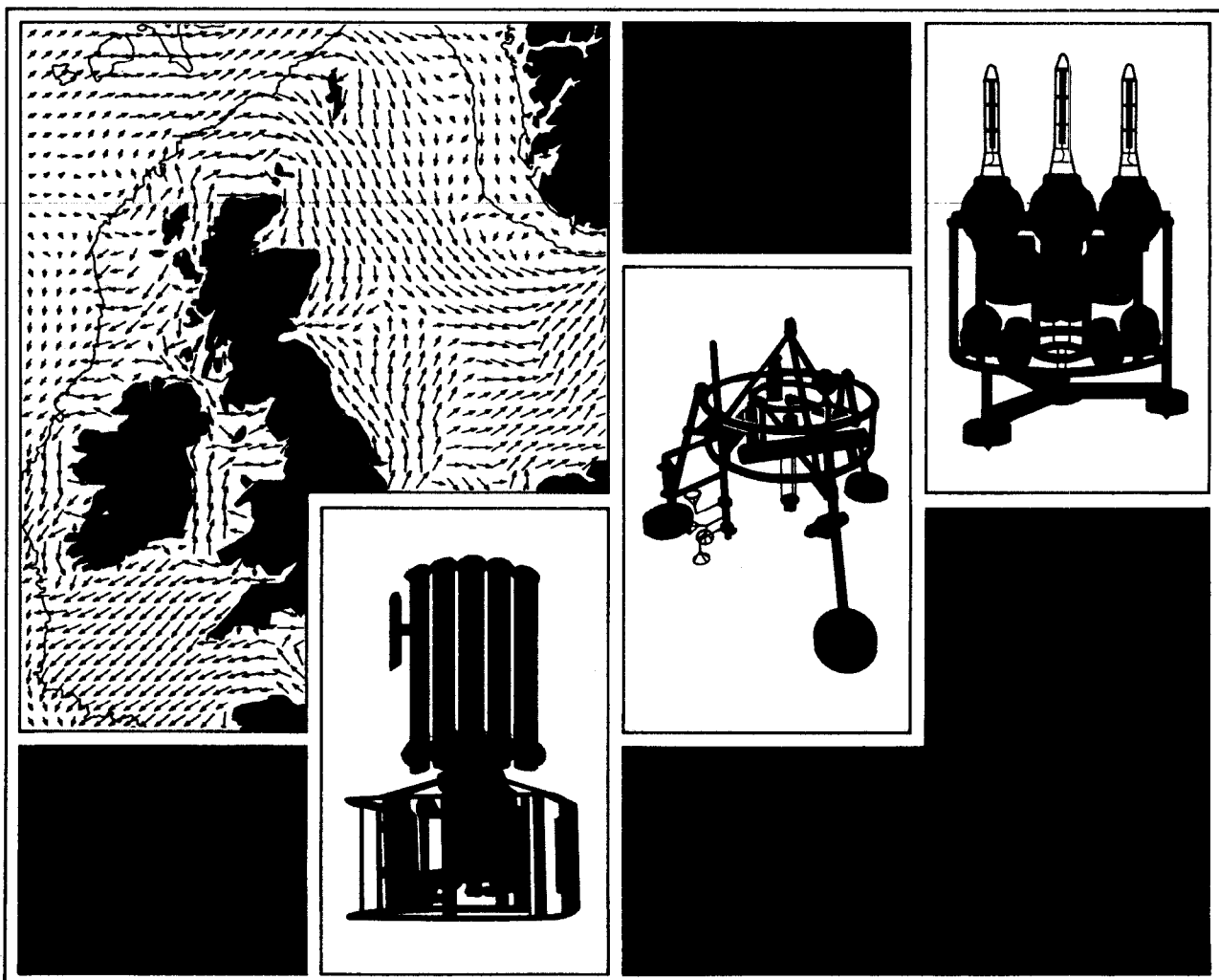




**Proudman
Oceanographic
Laboratory**

**Current Profile, Pressure and Temperature Records
from the North Channel of the Irish Sea from a
bottom mounted ADCP and WLR at
54° 46'N 05° 24W
July 1993 - October 1994**

**P.J. Knight
Report No. 39 1995**



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Natural Environment Research Council

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REPORT No. 39

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ABSTRACT <p>This report describes results from mooring EA at site E in the North Channel of the Irish Sea where an RD Instruments ADCP and an Aanderaa water level recorder were deployed. Standard plots are shown as well as statistical output from the calibrated current meter records.</p> <p>Publication No.16 of the LOIS Community Research Programme, carried out under a Special Topic Award from the Natural Environment Research Council. The work was part funded under contract to the UK Department of the Environment as a contribution to its co-ordinated programme of marine research for the North East Atlantic.</p> <p>This information is given in good faith and is believed to be correct, but no responsibility can be accepted by the Natural Environment Research Council for any consequential loss or damage arising from any use that is made of it.</p>	
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FIGURE 3 Plot of filter's response function

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DATA RESULTS	<i>Site code</i>	<i>Rig No.</i>	<i>Meter No. *</i>	
	EA0	00572	BB 1148	21/22
			WR 1038	38
	EA1	00573	BB 1149	40/41
			WR 1038	64
	EA2	00574	BB 1148	67/68
			WR 0444	88
	EA3	00592	BB 1149	91/92
			WR 0445	119
	EA4	00601	BB 1148	123/124
			WR 1038	147
	EA5	00616	BB 1149	150/151
			WR 0445	174
	EA6	00619	BB 1149	177/178
			WR 1038	206
	EA7	00620	BB 1149	209/210
			WR 0445	238
	EA8	00633	BB 1149	241/242
			WR 0444	265

* BB - indicates RD Instrument broad band ADCP
 WR - indicates Aanderaa water level recorder

1 INTRODUCTION

Between July 1993 and October 1994 an experiment was conducted to determine the volume flux through the North Channel of the Irish Sea, as part of a study of shelf edge and shelf sea exchange rates, contributing to the shelf edge (SES) and modelling (NORMS) components of the Land Ocean Interaction Study (LOIS) Community Research Programme.

The experiment was founded on 15-month deployments of the OSCAR HF radar system on the Mull of Galloway to measure surface currents over the width of the North Channel, an Acoustic Doppler Current Profiler (ADCP) and a water level recorder at site E ($54^{\circ}46'N$ $5^{\circ}24'W$) and tide gauges at Bangor and Portrush (both temporary) and at Port Ellen, Portpatrick and Port Erin. Furthermore, two RRS Challenger cruises C106, 18-28 September 1993 and C107, 26 October - 6 November 1993 (Howarth et al, 1994) gathered additional information on vertical and horizontal temperature and current gradients (Knight & Marsden, 1994).

This report describes data obtained from the mooring EA located at site E near to the middle of the channel, in a region of strong rectilinear tidal currents, (Maximum M_2 amplitudes greater than 0.8m s^{-1} were observed in the current profile) and where the water depth is approximately 140m. Mooring EA consisted of a bottom mounted 150kHz RD Instruments broad band ADCP (BB-ADCP) and an Aanderaa water level recorder (WR). Instruments were recovered and re-deployed by either the Department of Agriculture Northern Ireland (DANI) research vessel Lough Foyle, the RRS Challenger or the Ministry of Agriculture Food and Fisheries (MAFF) vessel Corystes. A summary of the results can be found in section 2 of this report.

Both the BB-ADCP and WR were mounted onto a low profile frame containing buoyancy, a rope spooling system, ballast and acoustic releases (See Figure 2). The BB-ADCP measured vector averaged North and East components of velocity at twenty-four or twenty-six set levels(bins) in the water column over a ten minute recording interval, and the WR recorded values of temperature and pressure every ten minutes.

After calibration, statistics were calculated from the current meter data and a low pass

filter applied to produce six-hourly values which were also statistically analysed. In addition, standard time series plots were produced in order to check data quality and aid in the interpretation of the data.

Mooring EA was recovered each time during slack water to aid recovery due to the large tidal flow present at site E, although the yellow buoyancy once at the surface was often dragged under, because it was still attached to the ballast by the spooling rope. However, despite this problem all deployments were successfully recovered and the data are of excellent quality as described in the data results section.

2 SUMMARY OF MOORING EA DEPLOYMENTS

The following information gives an overview of the data processed for mooring EA at site E. Table A indicates the data return for each of the deployments. Table B shows the mooring positions and mean depths.

Table A

Site	Mooring No.	Deployed	Recovered	Meter Types/No.	Data Length (days)	Comments
EA0	00572 (b)	13-JUL-93	12-AUG-93	BB 1148 WR 1038	30.0	Good data up to bin 23
EA1	00573 (c)	12-AUG-93	24-SEP-93	BB 1149 WR 1038	42.6	Good data up to bin 24
EA2	00574 (d)	24-SEP-93	02-NOV-93	BB 1148 WR 0444	39.0	Good data up to bin 24
EA3	00592 (e)	02-NOV-93	11-JAN-93	BB 1149 WR 0445	69.8	Good data up to bin 23
EA4	00601 (f)	11-JAN-93	24-FEB-94	BB 1148 WR 1038	43.6	Good data up to bin 23
EA5	00616 (g)	24-FEB-94	29-APR-94	BB 1149 WR 0445	63.9	Good data up to bin 23
EA6	00619 (h)	30-APR-94	14-JUN-94	BB 1149 WR 1038	45.5	Good data up to bin 25
EA7	00620 (i)	15-JUN-94	21-AUG-94	BB 1149 WR 0445	66.8	Good data up to bin 25
EA8	00633 (j)	22-AUG-94	28-OCT-94	BB 1149 WR 0444	67.4	Good data up to bin 23

Table B

Site	Positions of mooring EA	Mean depth (m) *
EA0	54° 46.17'N 05° 24.18'W	142
EA1	54° 46.16'N 05° 24.21'W	141
EA2	54° 46.05'N 05° 24.40'W	143
EA3	54° 46.10'N 05° 24.30'W	140
EA4	54° 45.93'N 05° 23.99'W	136
EA5	54° 46.10'N 05° 24.10'W	139
EA6	54° 46.05'N 05° 23.80'W	149
EA7	54° 46.03'N 05° 23.79'W	149
EA8	54° 46.09'N 05° 23.73'W	141

* Calculated from tidal analysis of WR meters

3 RIG SYSTEM DESCRIPTION

Mooring EA was deployed at 54° 46'N 05° 24'W, near to the middle of the North Channel of the Irish sea on a line from Belfast Lough to Portpatrick (See Figure 1). Additional deployments of mooring EA are indicated by a number after the site two letter code (e.g EA0, EA1, EA2 ...etc.)

A diagram of mooring EA is given in Figure 2. It was made up of a frame containing a RD Instruments ADCP (BB-ADCP), a Aanderaa water level recorder (WR), ballast, a rope spooler system, buoyancy spheres and an acoustic release. On recovery, the release was triggered by sending acoustic signals from the ship which enabled the frame to separate from the ballast. The frame under its own buoyancy then rose to the surface, whilst still attached to the ballast by the spooling rope, ready for picking up.

4 DATA RECORDING METERS

4.1 150kHz RDI Broad Band ADCP (BB-ADCP)

The ADCP measures the vertical profile of currents in bins from the sea bed to the surface. In addition it measures temperature from a sensor mounted on the case. The ADCP sends out short acoustic pulses, typically lasting a few thousandths of a second, at a set frequency with small fluctuations. The acoustic pulses, transmitted in four beams at right angles to each other and 30° to the vertical, are reflected back to the ADCP by small particles which move with the water, such as plankton or sediment. The frequency of the reflected signal is changed by a small amount proportional to the current speed, the Doppler shift. By measuring the frequency change along two of the beams, the speed and direction of the currents can be determined. The currents at different heights through the water column are obtained by chopping the return signal into segments by time.

BB-ADCP Specification

<i>Speed</i>	Range	0 to 500 cm s ⁻¹
	Accuracy	±0.8 cm s ⁻¹
<i>Direction</i>	Range	0 to 360°
	Accuracy	± 2°
<i>Tilt</i>	Two tilts measured at 90° to each other	
<i>Temperature</i> *	Accuracy	±0.5°C

* Not plotted in results section since good agreement with WR temperature measurements

BB-ADCP Set up details

<i>Sample period</i>	10 minutes
<i>Number of bins (cells)</i>	24 (26 on later deployments)
<i>First bin height, Bin separation</i>	12.5 m, 5.0 m
<i>Bin heights (range) (1-24/26)</i>	12.5 m, 17.5 m, 22.5 m, 27.5 m, 32.5 m, 37.5 m, 42.5 m, 47.5 m, 52.5 m, 57.5 m,

62.5 m, 67.5 m, 72.5 m, 77.5 m, 82.5 m,
 87.5 m, 92.5 m, 97.5 m, 102.5 m, 107.5 m,
 112.5 m, 117.5 m, 122.5 m, 127.5 m,
 (132.5 m, 137.5m)

4.2 Aanderaa water level recorder (WR)

The Aanderaa WR Model 5 is a self recording high precision instrument for recording water level by measurement of hydrostatic pressure. The standard range is 270 metres, corresponding to a sensor range of 0-400 PSI (0-27.2 bars). The effects due to waves are averaged over a 40 second integration time. Temperature is obtained from a thermistor fitted on the top plate of the meter and extending into the water. It was set up to record every 10 minutes.

WR sensor specifications

<i>Pressure</i>	Range	0.0 to 27.2 bars (0-400 PSI)
	Accuracy	0.01% of pressure
<i>Temperature</i>	Range	0.0 to 30.0°C
	Accuracy	±0.03°C

Conversion from bars to meters of water

The WR has a sensitive pressure sensor which produces pressure in bars after calibration. The pressure measured includes water column pressure and atmospheric pressure. In order to produce a value for meters of water above the sensor instead of bars the atmospheric pressure must be subtracted from the calibrated value of pressure and the result multiplied by 9.94.

$$p = \rho * g * h$$

hence $h = 9.94 m$

where p Pressure at 1 bar (10000 Pascals)

- ρ Water density assumed to be 1025 kg m^{-3}
 g Gravitational acceleration (9.81 m s^{-2})
 h Depth of water equivalent to 1 bar pressure

$$P = (P_{\text{total}} - P_{\text{atm}}) * 9.94$$

- where P Pressure in metres of water
 P_{total} Total recorded pressure in bars
 P_{atm} Atmospheric pressure in bars

5 DATA PROCESSING STEPS

5.1 Raw data transfer

The data recorded were brought back to POL on 3½ inch discs in an IBM compatible ASCII format. They were then translated and stored on an IBM/PS2, and then transferred to a Silicon Graphics UNIX workstation via PC-NFS on the IBM/PS2 using DOS to UNIX conversion utilities.

5.2 Processing stage

Three software systems, PWRAW, CALTF and CALTP, were developed at POL for quick and efficient processing. Processing was completed on each data set by the following steps.

- (1) Initially, a visual display of the raw data and an early indication of data quality were obtained by using PWRAW software written in the Visual Numerics PV-Wave command language. Obvious spikes were removed by manual editing.
- (2) Secondly, information such as deployment and recovery dates, and start and end times, mooring positions, calibrations etc., were input into an Oracle data base.
- (3) Thirdly, calibrated output together with a data quality report (e.g. timing errors) were obtained by using CALTF software written in FORTRAN 77, which

interrogates the Oracle data base for the necessary processing information.

- (4) Finally, graphical and statistical output were produced, as a further check of data quality and as an aid in the interpretation of the data by using CALTP software written in FORTRAN 77 with UNIRAS version 6.0 subroutines.

6 DETAILS OF STATISTICS AND FILTERING

6.1 Simple statistics

A simple statistical analysis was carried out on each calibrated current meter data set. The following statistics were calculated :-

- (1) Mean, variance and standard deviation of the East and North components of velocity.
- (2) The mean vector speed and direction were calculated from the above statistics.
- (3) The maximum ten and minimum ten Northings and Eastings, and the top speeds.

6.2 Variance ellipse statistics

Statistical analysis was also carried out on the current ellipse, which can be graphically represented by a scatter plot (Refer to section 7.3 Graphical Output). The following statistics were calculated :-

- (1) The maximum and minimum variances and their ratio (minimum/maximum). If the ratio is close to 1, the currents have no preferred direction, whilst if it is close to zero, the flow is rectilinear.
- (2) The direction associated with the maximum and minimum variance, in the range of -180° to $+180^\circ$.
- (3) The total variance which equals the sum of the North and East component variances and the sum of the maximum and minimum variances.
- (4) The average direction for each half of the ellipse, related to the directions of maximum variance. If these directions differ by 180° the scatter plot is symmetrical.

6.3 Filtering

The ten minute calibrated current meter data were also low-pass filtered, see Figure 3 which shows the filter's response function, and sub-sampled every 6 hours. Three days of data are lost at the beginning and the end of the record when this filter is applied. The statistical analysis was repeated on the filtered data set. When the data record is less than eight days no filtered statistics or filtered plots are produced.

7 FORMAT OF DATA OUTPUT

All speeds and velocities are in m s^{-1} , directions in degrees true and time in GMT. The results are ordered by deployments (Refer to section 2 Summary of deployments). Each mooring result is made up of mooring information, meter information, and graphical output and statistics (both unfiltered and filtered).

7.1 Mooring information

Each mooring has a page of the following information

Position latitude	: Latitude of deployment
Position longitude	: Longitude of deployment
Water depth(m)	: Depth measured by ship's echo sounder
Deployed on cruise	: Cruise identifier or ship name
Recovered on cruise	: Cruise identifier or ship name
Site name identification	: Additional site identifier
Magnetic deviation	: Taken from charts
Rig deployed on	: Time frame on the bottom
Rig recovered on	: Time release fired on rig
Period of deployment	: Total time of deployment
Comments	: Details regarding mooring

7.2 Meter information

Each meter has a page of the following

Rig number	: Unique POL mooring/rig reference
Meter number	: Four digit current meter number
Sample interval	: Sampling interval in seconds
Meter height from bottom	: Height in metres
Position of meter on rig	: A for attached to frame
Meter type	: BB for RDI Broad band ADCP : WR for Water Level Recorder
Meter started	: Date and time
Meter stopped	: Date and time
Time of last valid scan	: Used when good data ends before switch off
Period in days on record	: Total time meter switched on
Total number of scans	: Used to check timing
Timing error	: Error in seconds
Comments	: Details regarding meter

7.3 Graphical output

The type of graphical output shown in the report depends on the type of meter. After each description the type of meter that is represented by the plot is noted.

- (1) North and East components of velocity against time. The semi-diurnal nature of the tides can be seen as well as the Spring/Neap cycle in both components of velocity. Types : BB (8 bins per plot).
- (2) Scatter diagrams of North components of velocity against the East components. These show the direction and magnitudes of the currents. This plot is often a good check on the quality of the data, in particular regarding direction and possible problems at low speeds. Types : BB (8 bins per plot).
- (3) Stacked filtered stick plot. The filtered data can be displayed in a stick plot in order to see the change of the residual flow with time, and in the vertical. Types : DP & BB (8 bins per plot).

- (4) Eulerian progressive vector plot. The nature of the residual flow is emphasised, although the semi-diurnal tides are also apparent. Types : Single BB.
- (5) Temperature (°C), Salinity and Pressure (equivalent metres of water or bars) against time. Type : WR.

7.4 Statistical output

- (1) Simple statistics of the calibrated data and filtered data. A letter 'f' attached to the file name at the top of the individual statistics indicates results from a filtered data set. Type : Single BB.
- (2) Statistics for each bin, giving vector mean speed and direction, maximum and minimum variance, and directions of maximum and minimum variance. Types : BB(24/26 bins).

ACKNOWLEDGEMENTS

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Current profile and sea-bed pressure and temperature records from the North Channel of the Irish Sea from equipment deployed on RRS Challenger cruises C106 and C107. September 1993 - November 1993. Proudman Oceanographic Laboratory, Report No.35, 234pp.

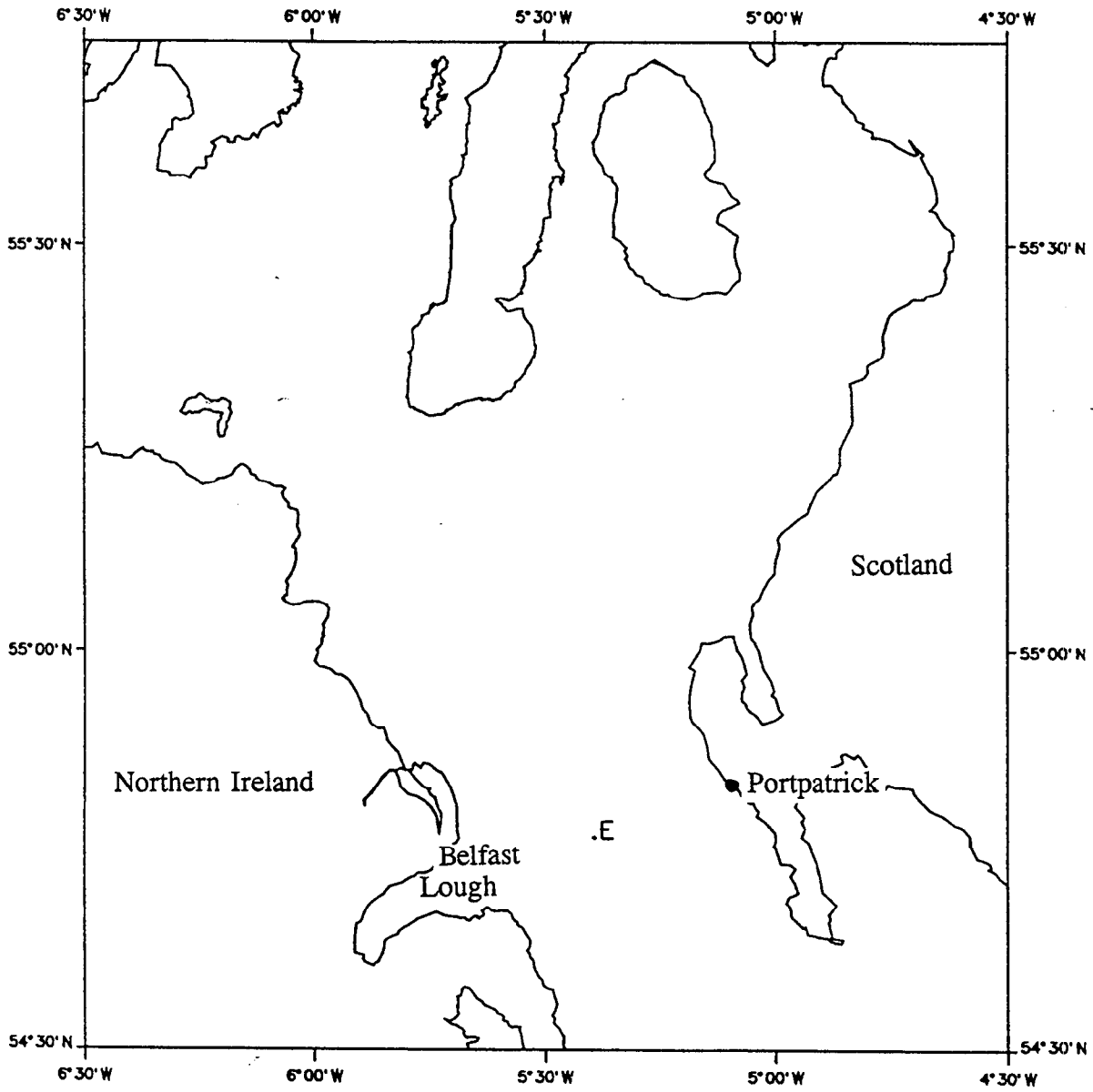


Figure 1 Mooring position

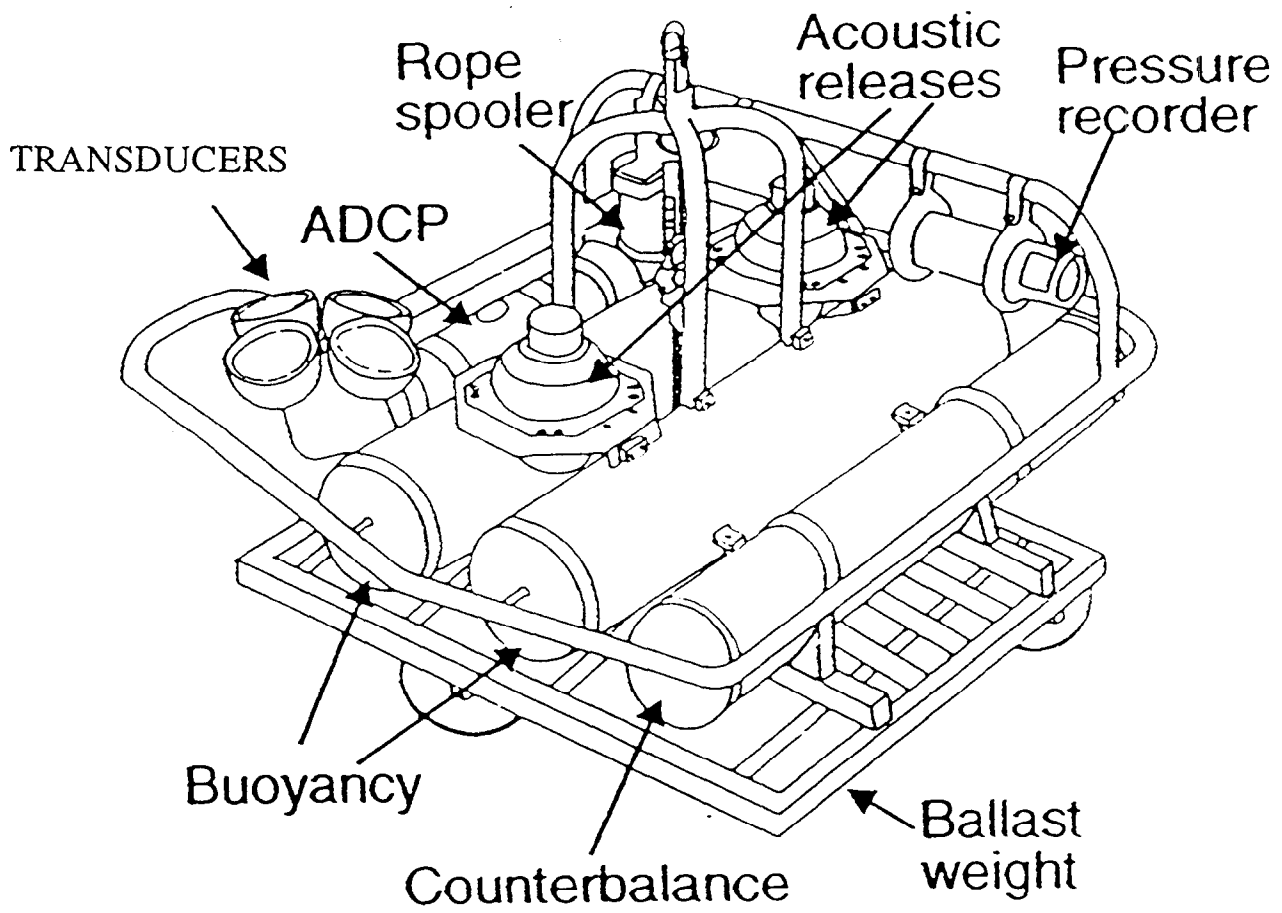


Figure 2 Mooring diagram of bottom mounted rig

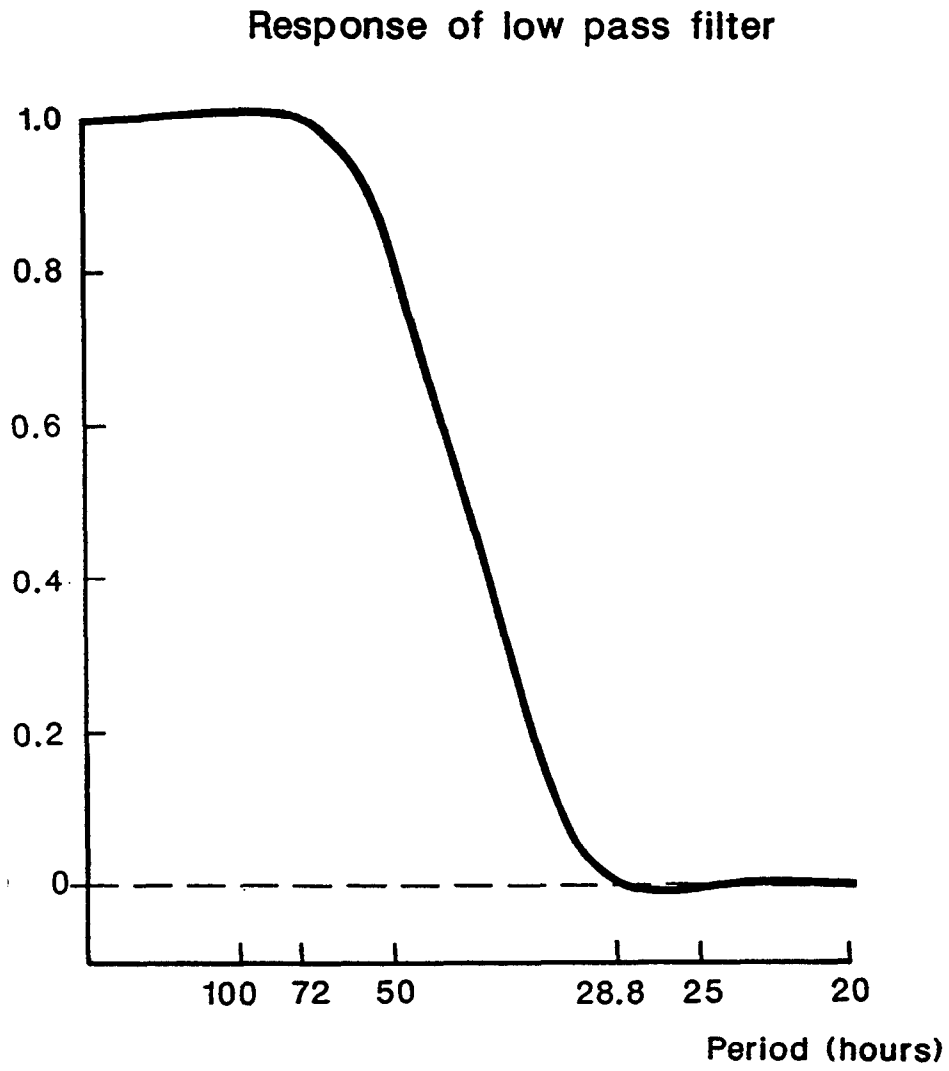


Figure 3 Plot of filter's response function

Rig information details for 00572

Position Latitude : 54 46.17N
Position Longitude : 05 24.18W
Water depth : 141.0 m
Deployed on cruise : L.FOYLE
Recovered on cruise : L.FOYLE
Site name identification : EA0
Magnetic deviation : 7.2 degrees west
Rig deployed on : 13-JUL-93 10:33:00
Rig recovered on : 12-AUG-93 13:09:00
Period of deployment : 30.1 days
Comments : Launch and recovery successful

Meter information details for 1148

Rig No : 00572
Meter No : 1148
Recording interval : 600.25 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 13-JUL-93 10:32:02
Meter stopped : 12-AUG-93 13:29:57
Period switched on : 30.1 days
Period of good data : 30.1 days
Total number of scans : 4333
Timing error : 9 seconds fast
Comments : Good record obtained
Bin(24) - 1094 flagged errors
Bin (1) - 45 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

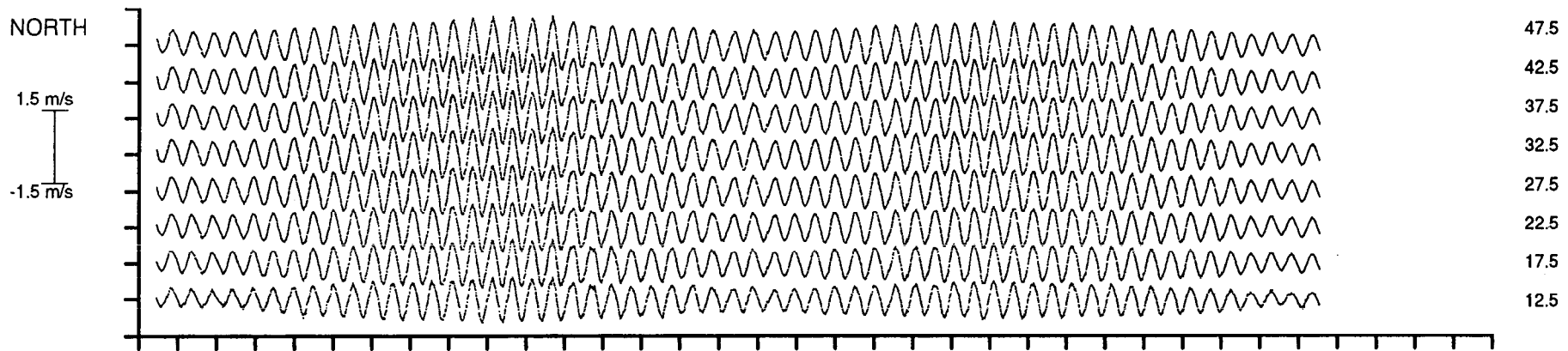
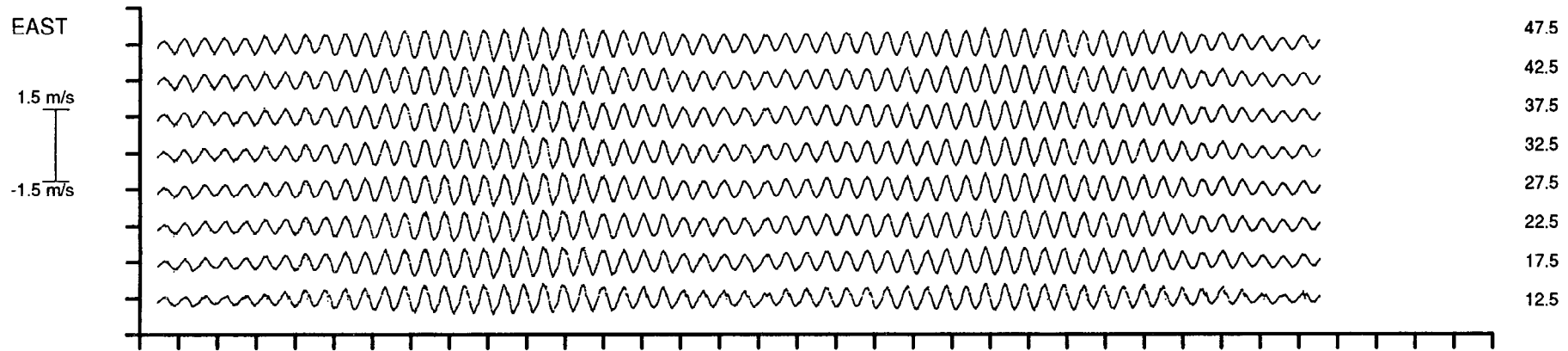
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93

93

Jul

Aug

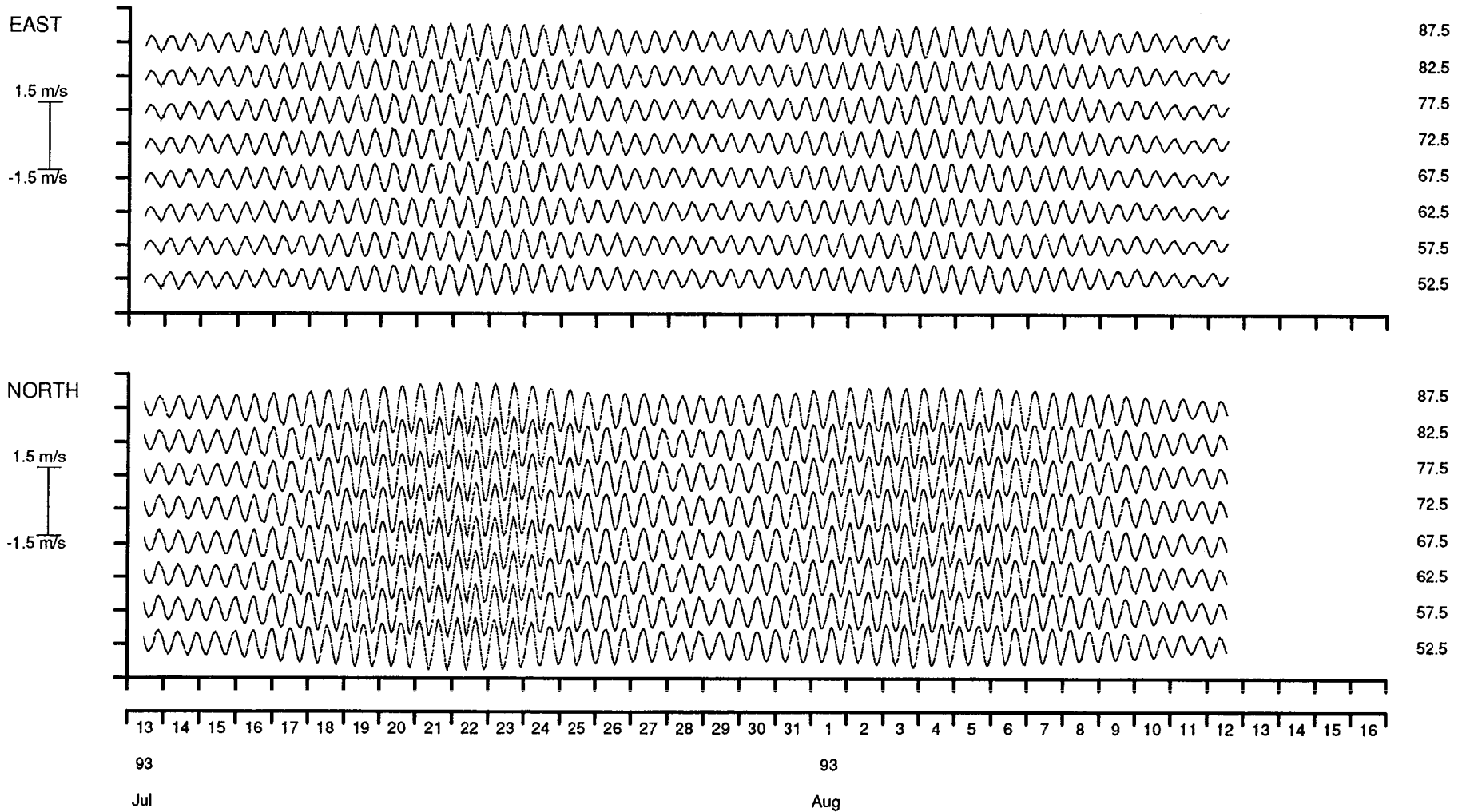
VELOCITY COMPONENT TIME SERIES PLOT

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Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



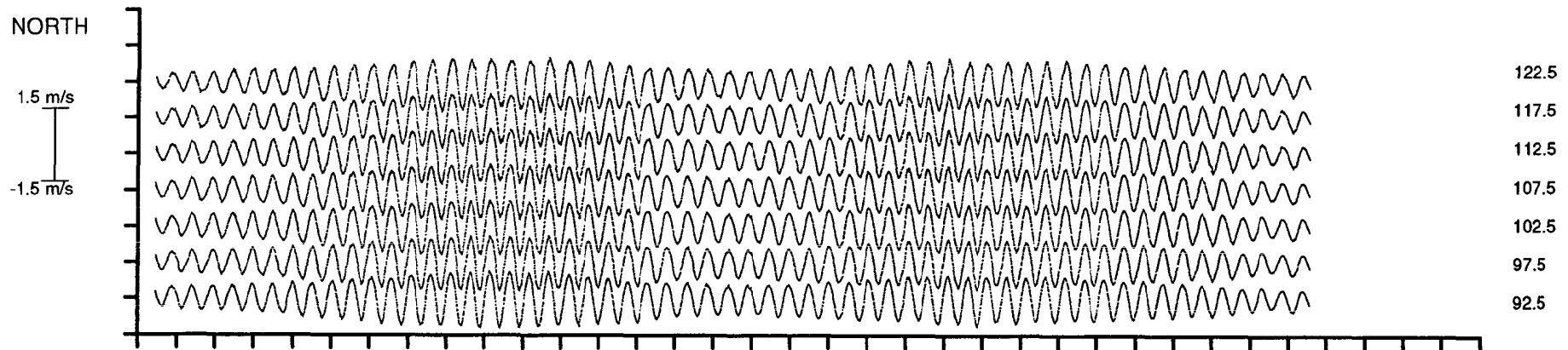
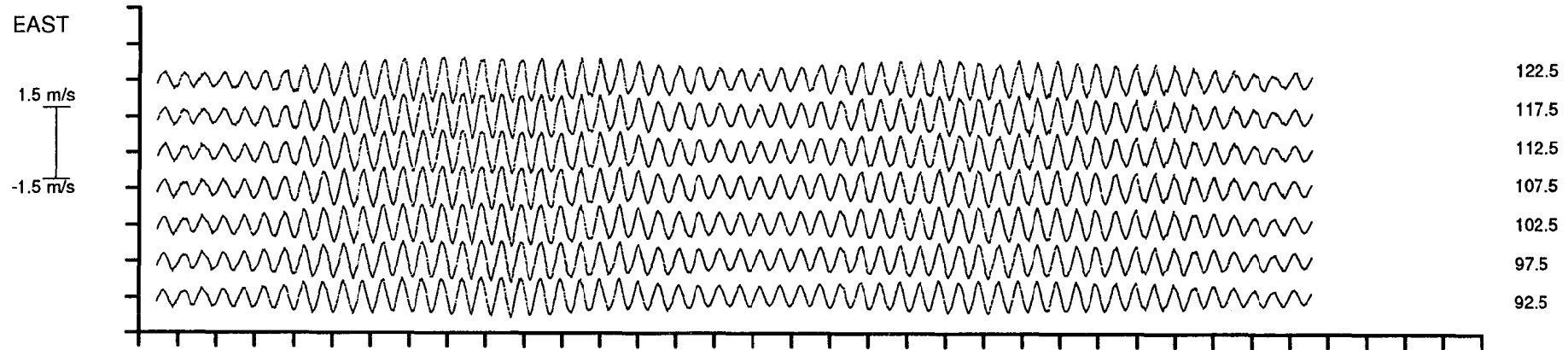
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93

93

Jul

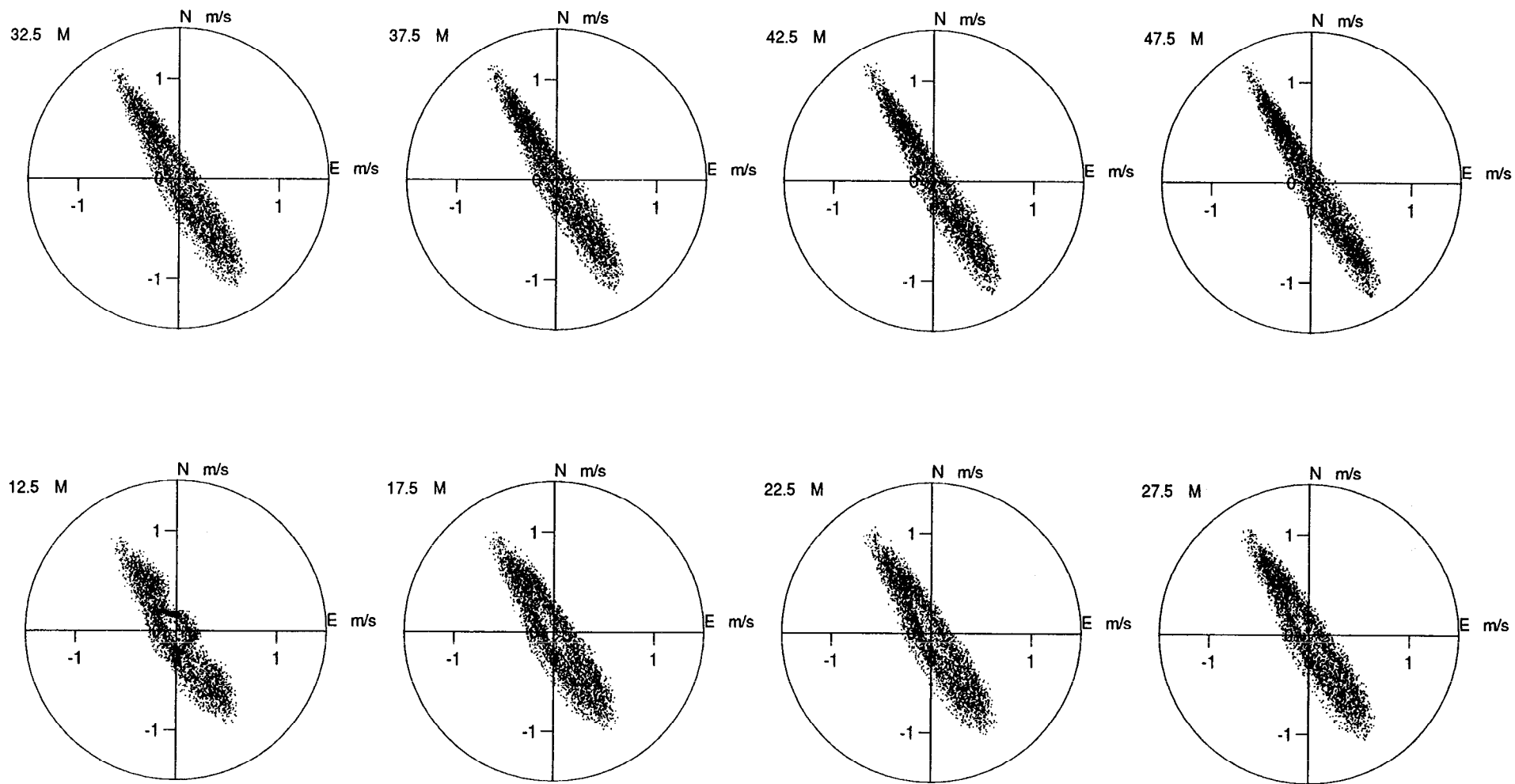
Aug

SCATTER PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

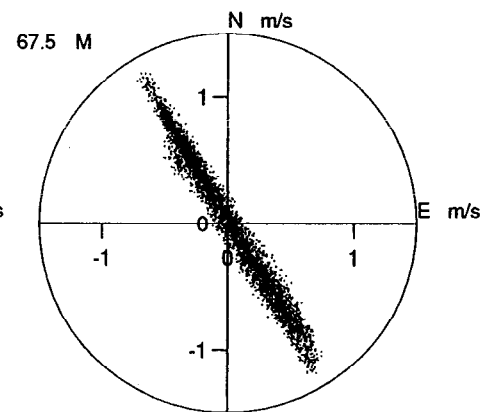
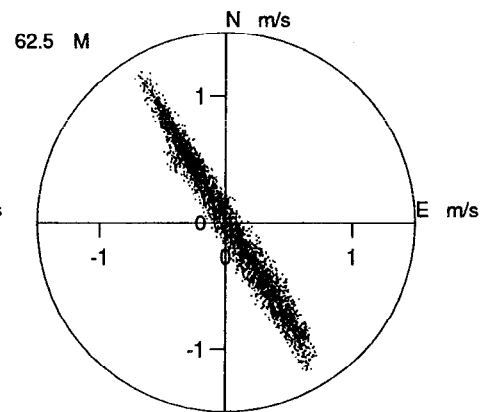
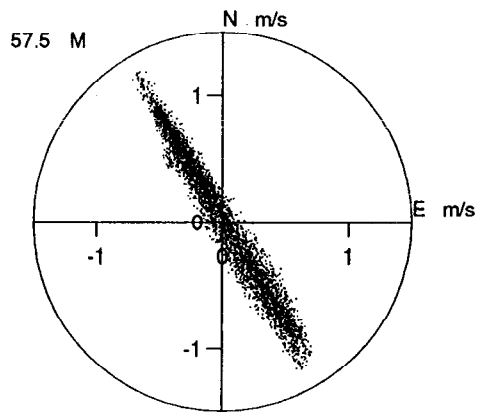
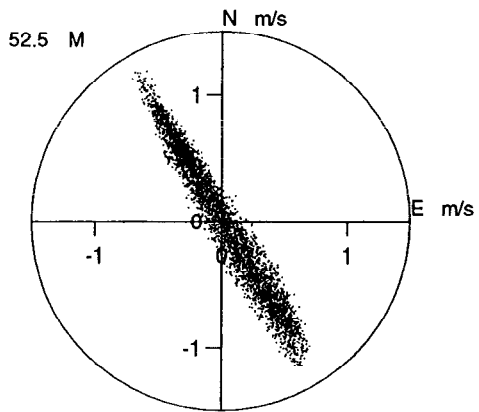
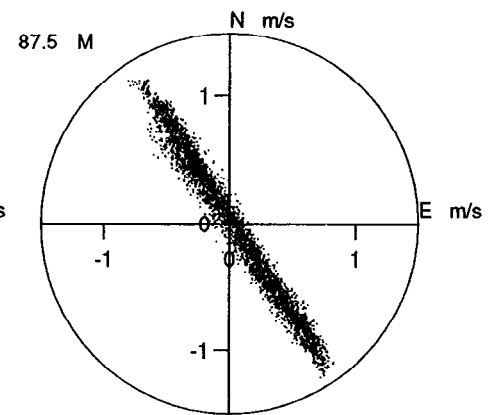
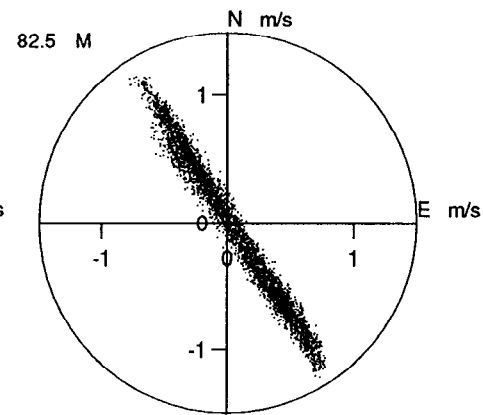
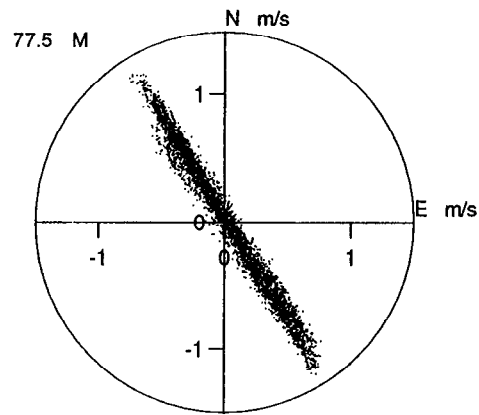
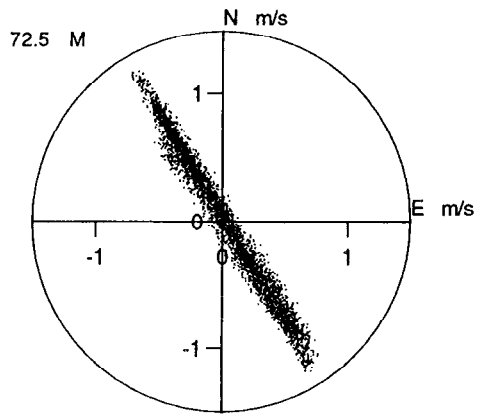


SCATTER PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

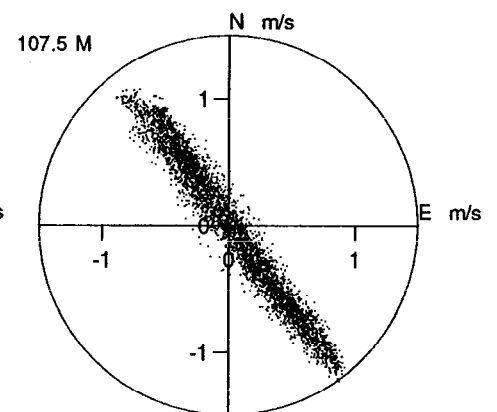
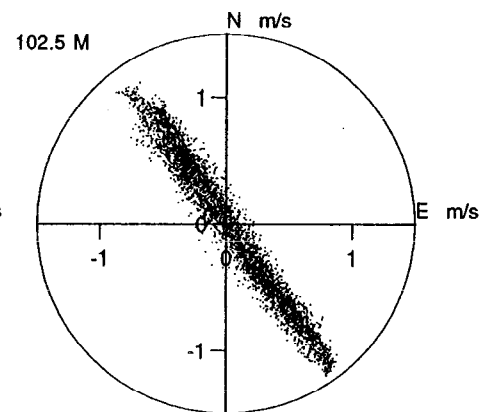
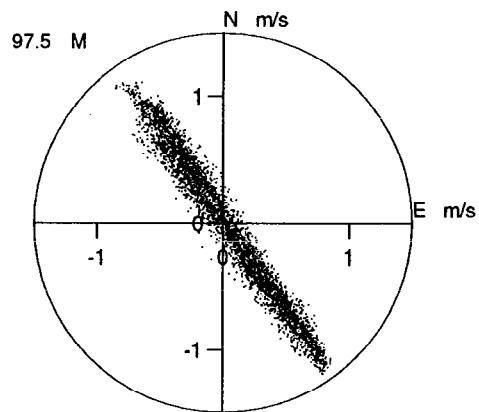
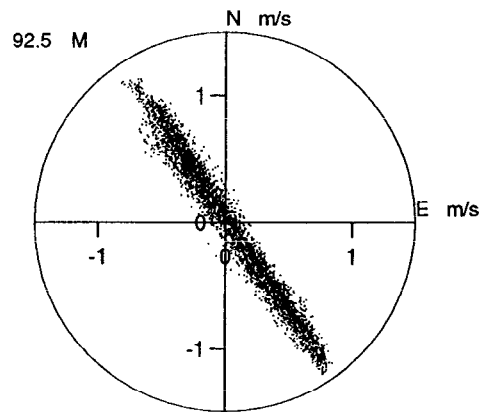
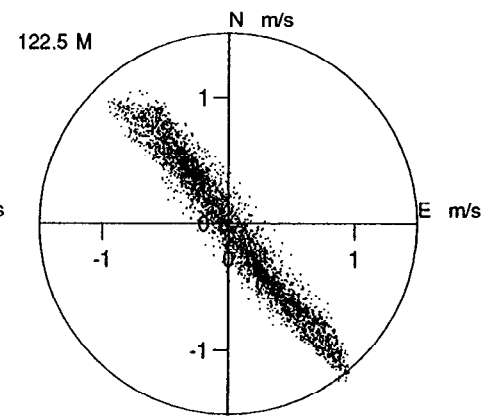
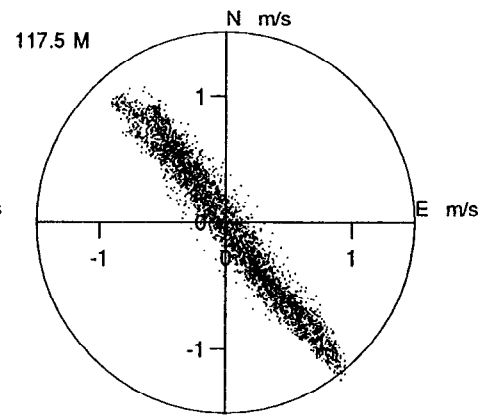
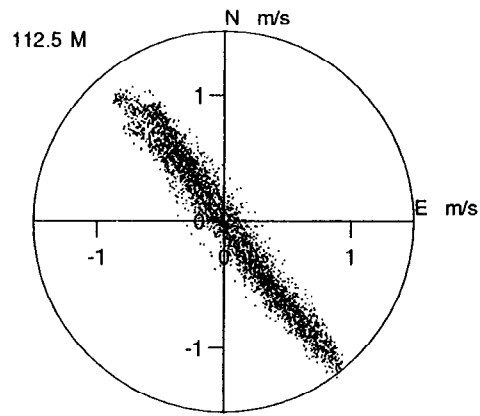


SCATTER PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

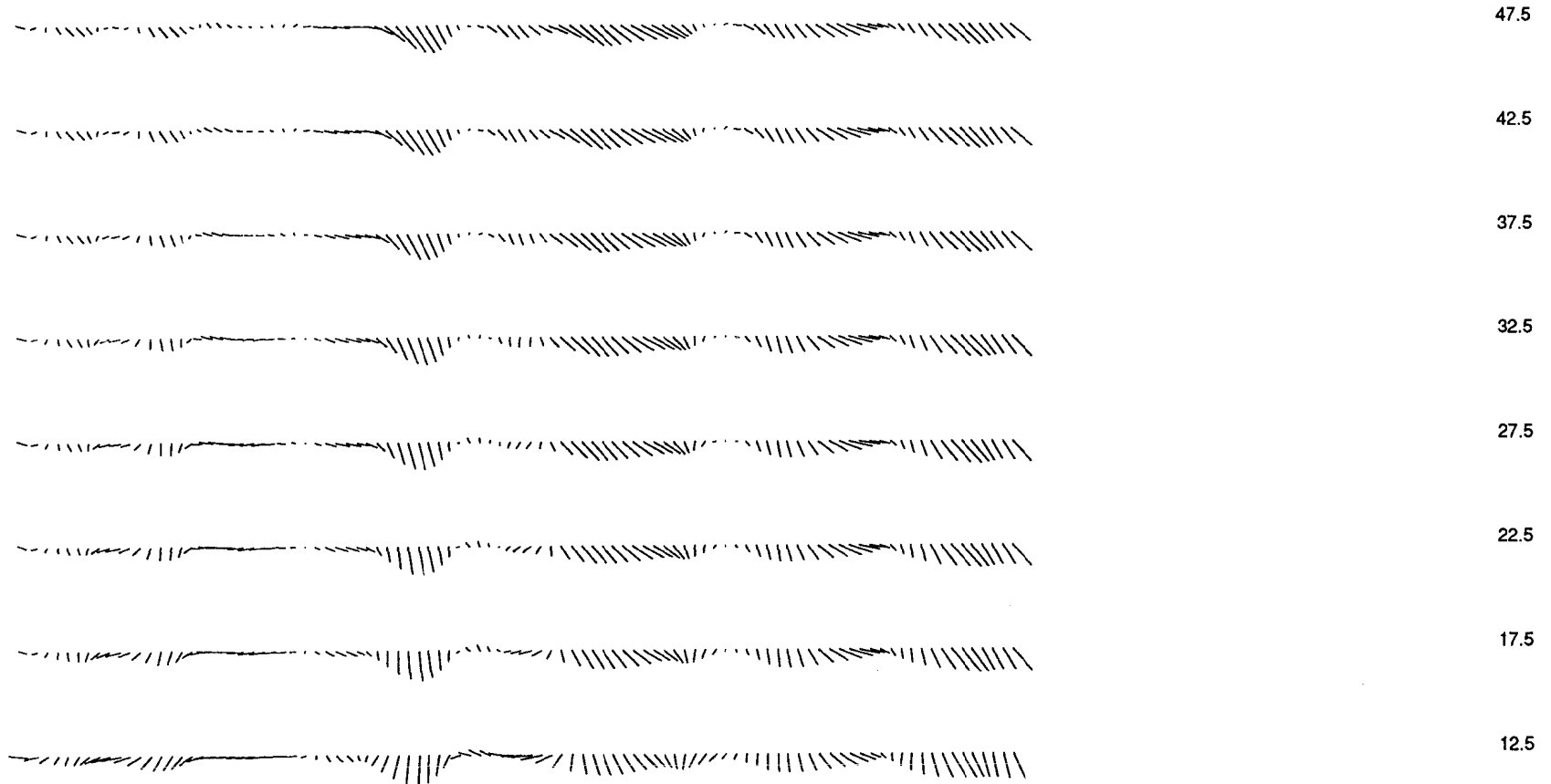
Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



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

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STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

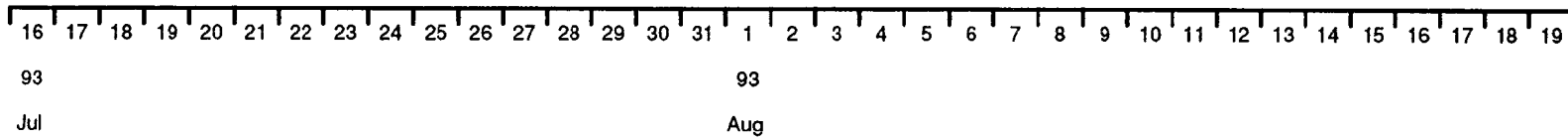
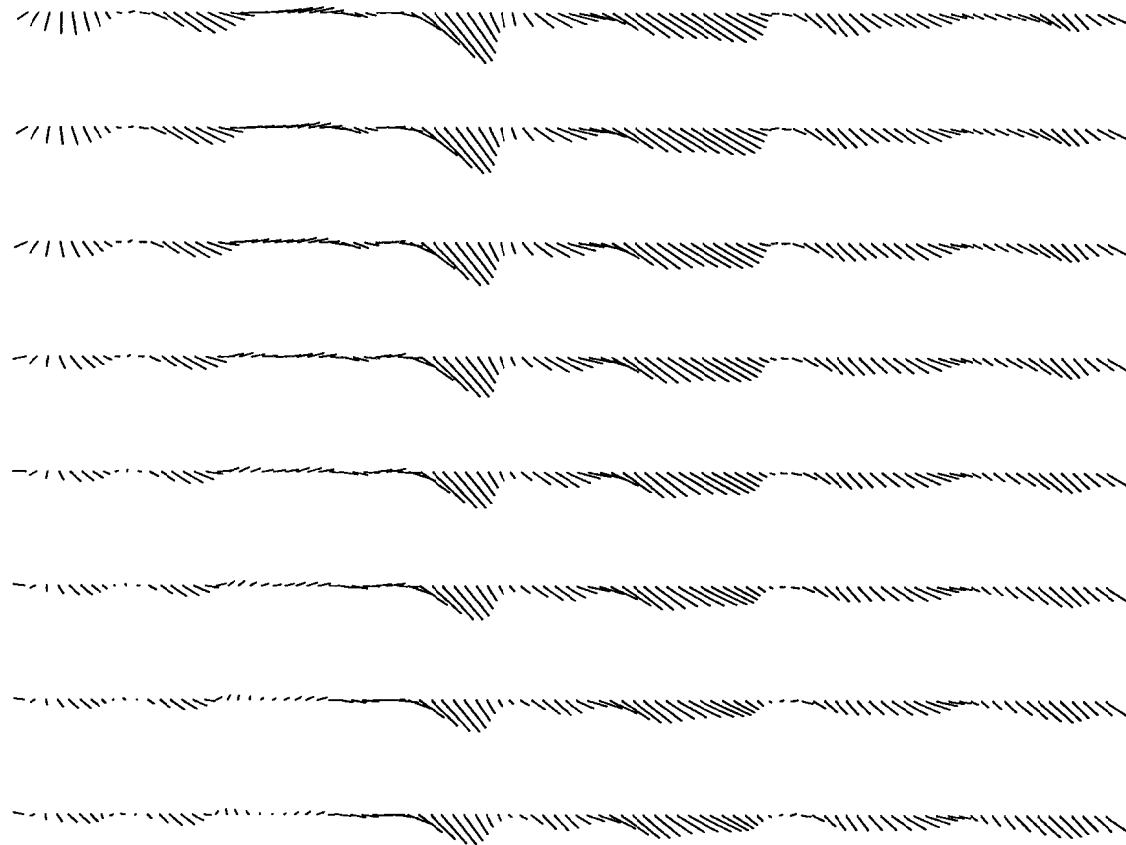
Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

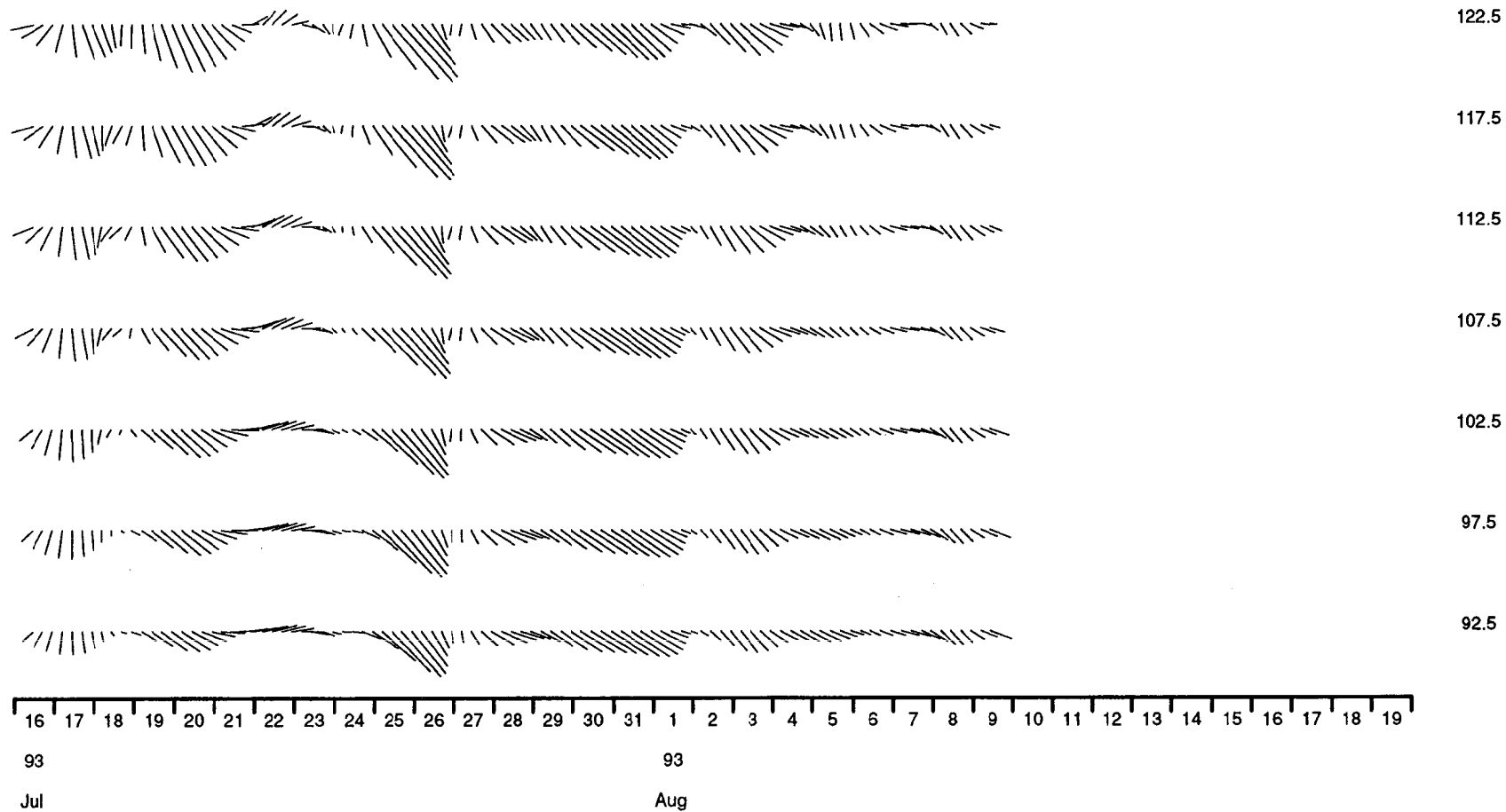
Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



Statistics for bb1148.00572

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.024	-142.7	0.2488	-31.9	0.0094	58.1
2	17.5	0.016	178.6	0.2868	-31.5	0.0106	58.5
3	22.5	0.015	167.9	0.3097	-31.1	0.0097	58.9
4	27.5	0.015	156.0	0.3287	-30.9	0.0086	59.1
5	32.5	0.016	144.0	0.3452	-30.8	0.0075	59.2
6	37.5	0.018	133.8	0.3605	-30.7	0.0063	59.3
7	42.5	0.020	126.8	0.3743	-30.8	0.0052	59.2
8	47.5	0.023	122.1	0.3861	-30.9	0.0043	59.1
9	52.5	0.026	118.4	0.3971	-31.0	0.0035	59.0
10	57.5	0.029	116.9	0.4073	-31.3	0.0029	58.7
11	62.5	0.032	116.2	0.4177	-31.5	0.0024	58.5
12	67.5	0.035	116.4	0.4272	-31.8	0.0021	58.2
13	72.5	0.037	116.8	0.4368	-32.2	0.0020	57.8
14	77.5	0.039	118.0	0.4457	-32.5	0.0020	57.5
15	82.5	0.041	118.6	0.4550	-33.0	0.0021	57.0
16	87.5	0.043	120.3	0.4643	-33.6	0.0024	56.4
17	92.5	0.045	122.3	0.4718	-34.1	0.0029	55.9
18	97.5	0.047	125.2	0.4786	-34.7	0.0034	55.3
19	102.5	0.047	127.8	0.4849	-35.4	0.0041	54.6
20	107.5	0.047	131.2	0.4944	-36.3	0.0046	53.7
21	112.5	0.047	133.5	0.4980	-36.9	0.0049	53.1
22	117.5	0.048	137.4	0.4982	-37.6	0.0054	52.4
23	122.5	0.049	141.1	0.4961	-38.3	0.0058	51.7

Statistics for bb1148.00572

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.026	-163.5	0.0008	-55.0	0.0002	35.0
2	17.5	0.023	168.0	0.0007	-58.2	0.0002	31.8
3	22.5	0.023	160.3	0.0007	-58.3	0.0002	31.7
4	27.5	0.023	152.6	0.0007	-57.9	0.0002	32.1
5	32.5	0.025	144.7	0.0007	-57.6	0.0001	32.4
6	37.5	0.027	137.9	0.0007	-55.1	0.0001	34.9
7	42.5	0.029	132.5	0.0006	-53.3	0.0001	36.7
8	47.5	0.032	127.9	0.0007	-52.4	0.0001	37.6
9	52.5	0.034	124.1	0.0007	-50.8	0.0001	39.2
10	57.5	0.037	122.1	0.0007	-49.2	0.0001	40.8
11	62.5	0.040	120.7	0.0007	-48.7	0.0001	41.3
12	67.5	0.043	120.0	0.0007	-47.6	0.0001	42.4
13	72.5	0.045	119.9	0.0007	-46.3	0.0002	43.7
14	77.5	0.047	120.3	0.0007	-45.7	0.0002	44.3
15	82.5	0.050	120.7	0.0008	-46.4	0.0003	43.6
16	87.5	0.052	122.0	0.0008	-46.2	0.0003	43.8
17	92.5	0.054	123.3	0.0009	-49.3	0.0004	40.7
18	97.5	0.055	125.8	0.0010	-50.7	0.0005	39.3
19	102.5	0.056	128.3	0.0011	-50.8	0.0006	39.2
20	107.5	0.055	132.0	0.0013	-50.1	0.0006	39.9
21	112.5	0.055	134.4	0.0014	-49.7	0.0006	40.3
22	117.5	0.056	137.6	0.0015	-43.4	0.0006	46.6
23	122.5	0.058	140.0	0.0018	-37.7	0.0006	52.3

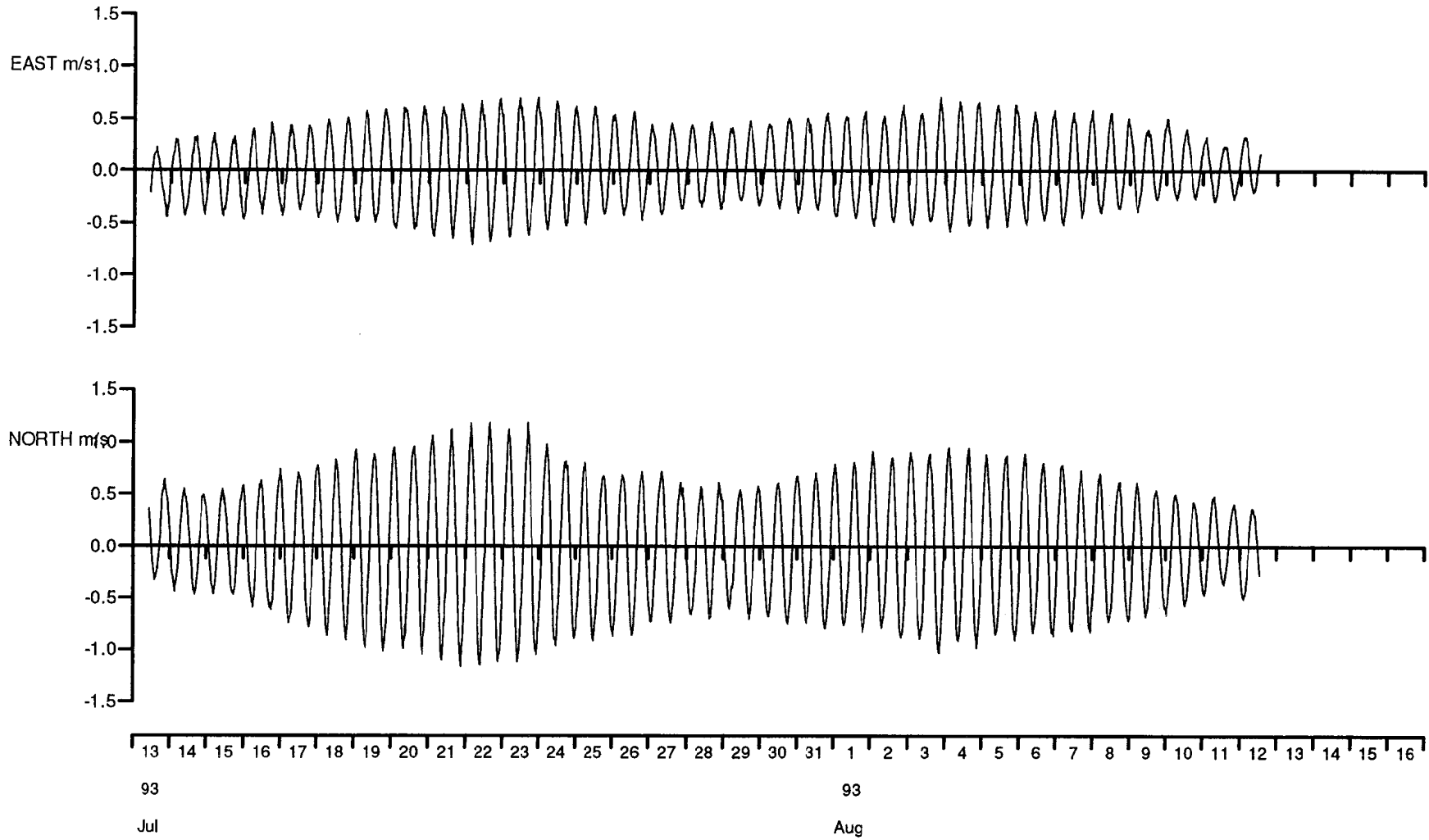
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



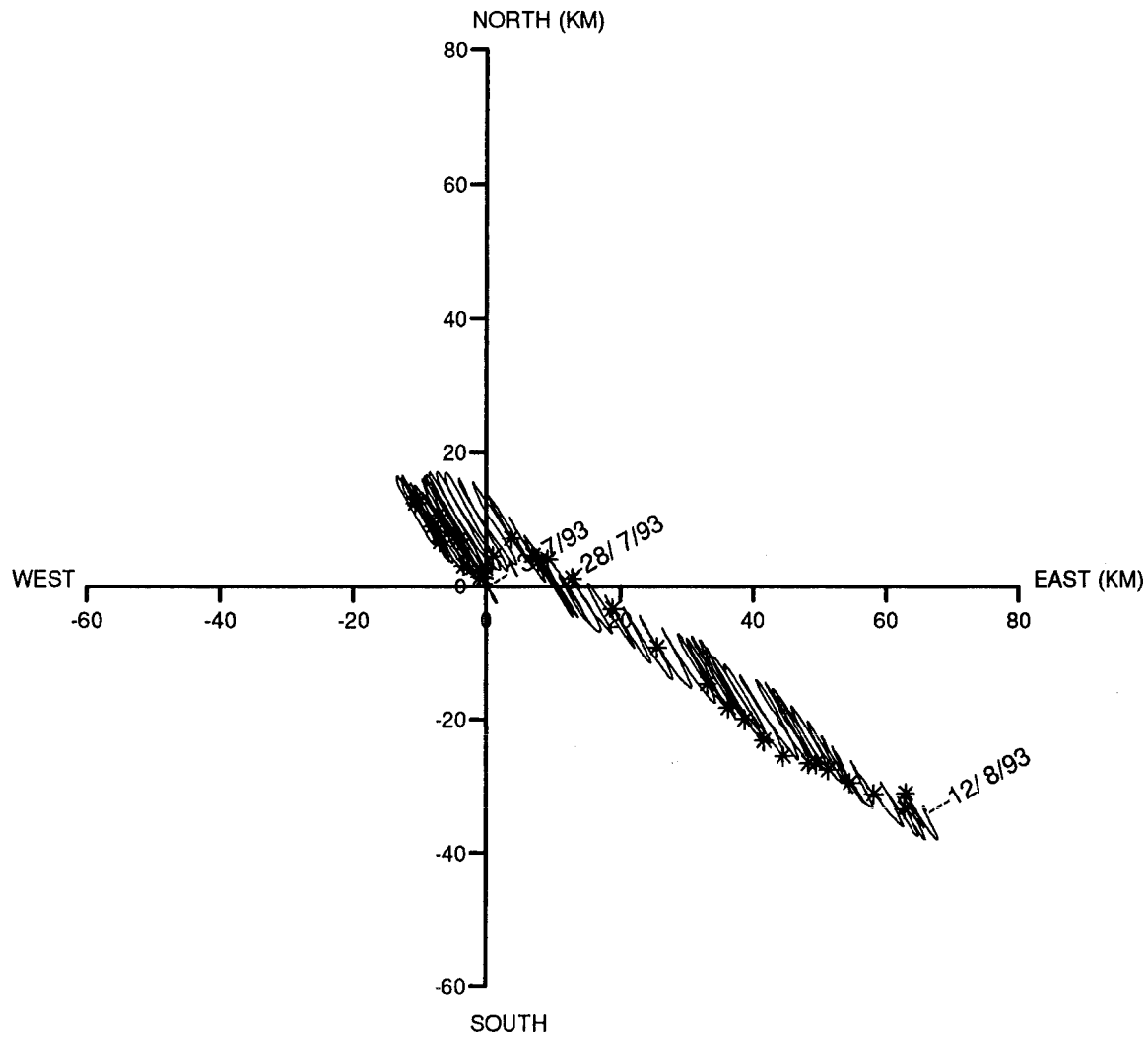
VECTOR PLOT

Meter no. 1148 Rig no. 00572 Depth of water(m) 141.0

Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00

Position 54 46.17N 05 24.18W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1148.00572s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0255	0.11173778E+00	0.33427200E+00
Northings	-0.0129	0.29843742E+00	0.54629427E+00
Speed	0.5614	0.95806703E-01	0.30952656E+00
Vector mean speed	0.0286		
Vector Mean Direction	116.9		

Maximum ten values

Eastings					Northings				
0.710	0.708	0.700	0.697	0.696	1.183	1.182	1.176	1.175	1.157
0.690	0.690	0.686	0.679	0.675	1.146	1.131	1.131	1.127	1.124

Minimum ten values

Eastings					Northings				
-0.650	-0.653	-0.663	-0.663	-0.667	-1.117	-1.118	-1.123	-1.125	-1.135
-0.668	-0.672	-0.680	-0.681	-0.711	-1.143	-1.147	-1.151	-1.161	-1.164

Maximum speeds

1.359	1.350	1.349	1.342	1.330	1.329	1.326	1.324	1.319	1.316
1.314	1.313	1.305	1.301	1.301	1.299	1.295	1.291	1.289	1.287
1.286	1.283	1.282	1.281	1.277	1.273	1.272	1.272	1.270	1.268
1.268	1.268	1.265	1.264	1.262	1.262	1.262	1.260	1.258	1.258
1.255	1.254	1.251	1.249	1.247	1.246	1.246	1.245	1.244	1.243
1.242	1.241	1.240	1.238	1.237	1.236	1.236	1.235	1.233	1.231
1.230	1.227	1.222	1.219	1.218	1.218	1.215	1.214	1.213	1.213
1.213	1.212	1.211	1.210	1.208	1.206	1.205	1.205	1.204	1.203
1.203	1.203	1.203	1.199	1.192	1.185	1.184	1.179	1.178	1.178
1.178	1.178	1.177	1.177	1.177	1.176	1.175	1.174	1.172	1.171

Variance ellipse statistics

Maximum variance	0.4073E+00	Direction	-31.3
Minimum variance	0.2914E-02	Direction	58.7
Total variance	0.4102E+00	Ratio of variances	0.7156E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			3.2
Average direction. maxdir +PI/2 to maxdir -PI/2			177.9

Statistics for bb1148.00572s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0313	0.41745661E-03	0.20431755E-01
Northings	-0.0196	0.33454987E-03	0.18290704E-01
Speed	0.0395	0.55021269E-03	0.23456611E-01
Vector mean speed	0.0369		
Vector Mean Direction	122.1		

Maximum ten values

Eastings					Northings				
0.073	0.070	0.070	0.065	0.064	0.010	0.010	0.008	0.007	0.007
0.063	0.061	0.061	0.061	0.060	0.006	0.006	0.004	0.004	0.003

Minimum ten values

Eastings					Northings				
0.005	0.004	0.002	0.002	0.002	-0.044	-0.045	-0.046	-0.046	-0.049
0.001	-0.002	-0.004	-0.010	-0.023	-0.049	-0.057	-0.061	-0.068	-0.069

Maximum speeds

0.092	0.090	0.082	0.081	0.080	0.079	0.078	0.078	0.077	0.075
0.075	0.074	0.073	0.069	0.068	0.068	0.067	0.066	0.065	0.062
0.061	0.060	0.059	0.056	0.056	0.055	0.053	0.053	0.051	0.051
0.050	0.049	0.048	0.047	0.047	0.046	0.046	0.046	0.044	0.044
0.042	0.042	0.041	0.040	0.039	0.039	0.039	0.039	0.038	0.037
0.036	0.036	0.035	0.034	0.033	0.033	0.032	0.032	0.031	0.029
0.029	0.029	0.028	0.026	0.025	0.024	0.023	0.023	0.023	0.021
0.021	0.021	0.020	0.020	0.019	0.018	0.016	0.016	0.015	0.015
0.015	0.014	0.012	0.012	0.012	0.012	0.011	0.011	0.010	0.009
0.008	0.007	0.007	0.006	0.005	0.002	0.001			

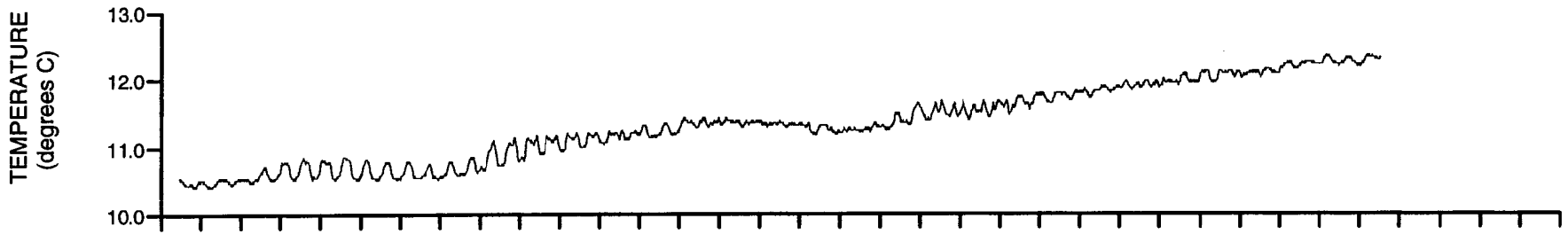
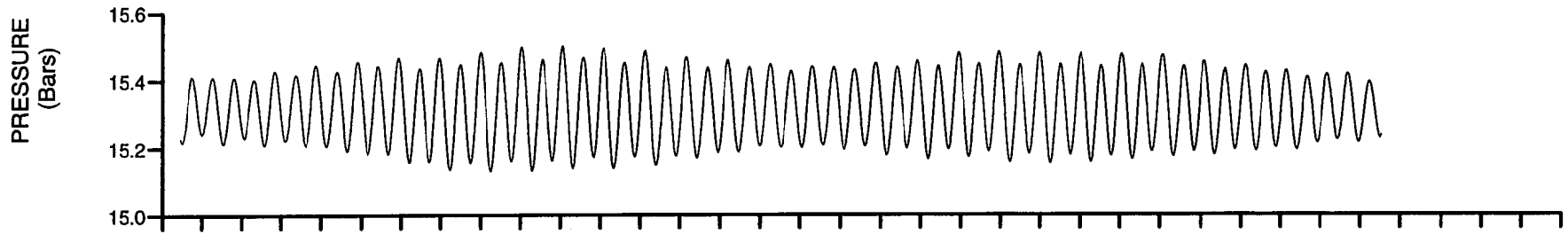
Variance ellipse statistics

Maximum variance	0.6579E-03	Direction	-49.2
Minimum variance	0.9409E-04	Direction	40.8
Total variance	0.7520E-03	Ratio of variances	0.1430E+00
Average direction. maxdir -PI/2 to maxdir +PI/2			30.9
Average direction. maxdir +PI/2 to maxdir -PI/2			166.8

Meter information details for 1038

Rig No	:	00572
Meter No	:	1038
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	12-JUL-93 09:10:38
Meter stopped	:	12-AUG-93 14:41:40
Period switched on	:	31.2 days
Period of good data	:	30.1 days
Total number of scans	:	4335
Timing error	:	62 seconds slow
Comments	:	Good record obtained

Meter no. 1038 Rig no. 00572 Depth of water(m) 141.0
Start/End 1993/07/13 AT 10:33:00 1993/08/12 AT 13:09:00
Position 54 46.17N 05 24.18W Meter Height(m) 0.5



13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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Rig information details for 00573

Position Latitude	:	54 46.16N
Position Longitude	:	05 24.21W
Water depth	:	144.0 m
Deployed on cruise	:	L.FOYLE
Recovered on cruise	:	C106
Site name identification	:	EA1
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	12-AUG-93 18:50:00
Rig recovered on	:	24-SEP-93 08:40:00
Period of deployment	:	42.6 days
Comments	:	Launch and recovery successful

Meter information details for 1149

Rig No : 00573
Meter No : 1149
Recording interval : 600.25 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 12-AUG-93 18:41:18
Meter stopped : 24-SEP-93 09:06:51
Period switched on : 42.6 days
Period of good data : 42.6 days
Total number of scans : 6129
Timing error : None
Comments : Good record obtained
Bin(24) - 41 flagged errors
Bin (1) - 21 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

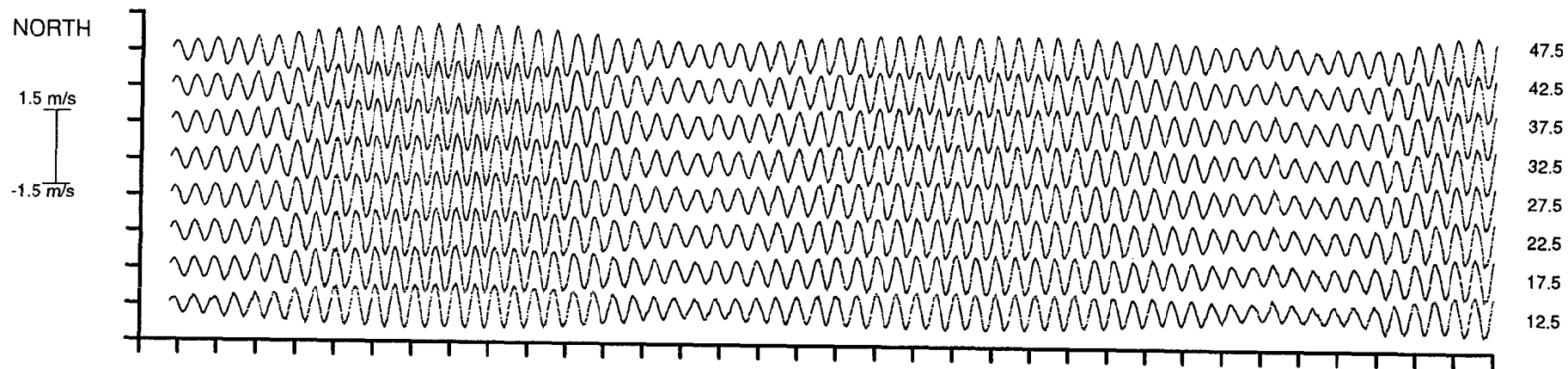
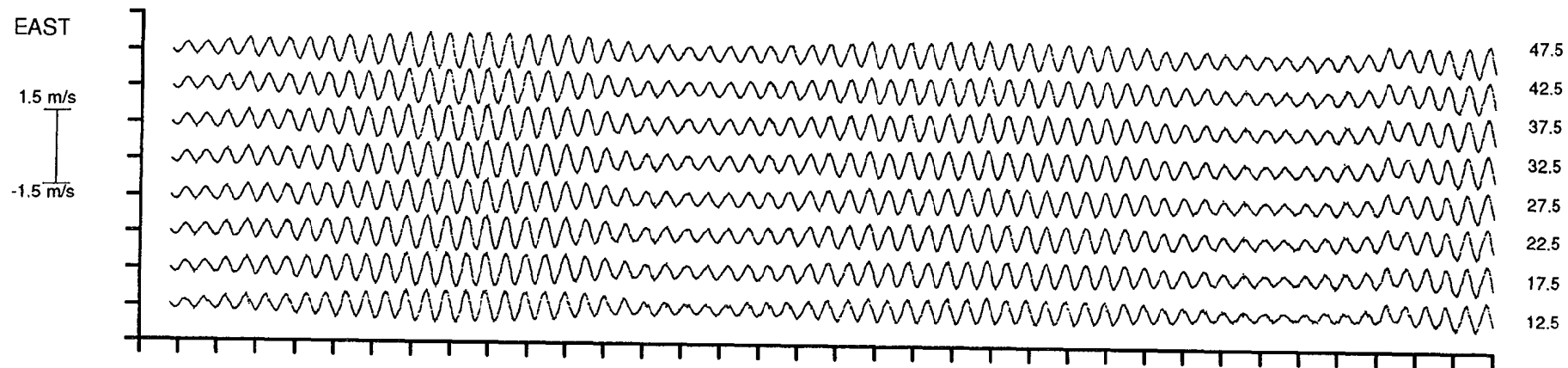
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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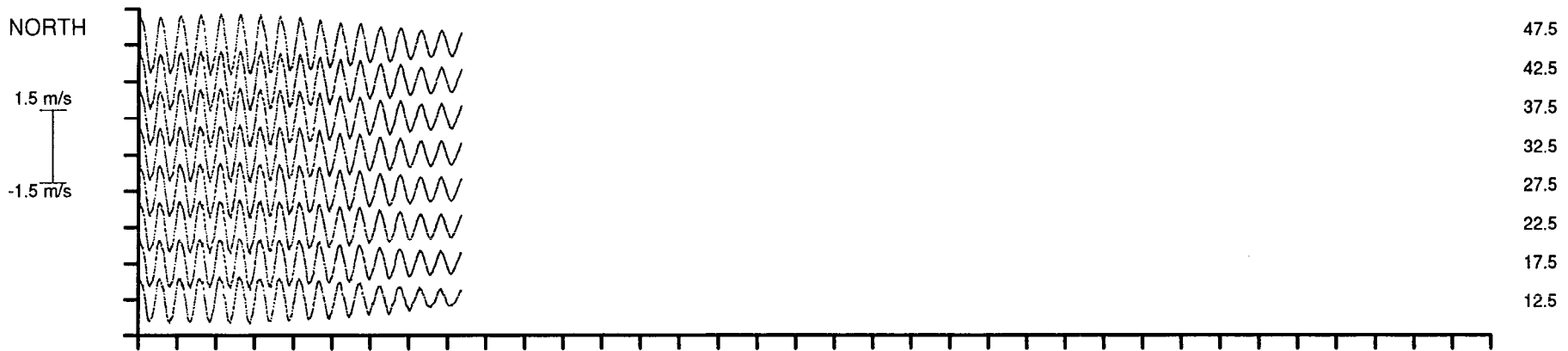
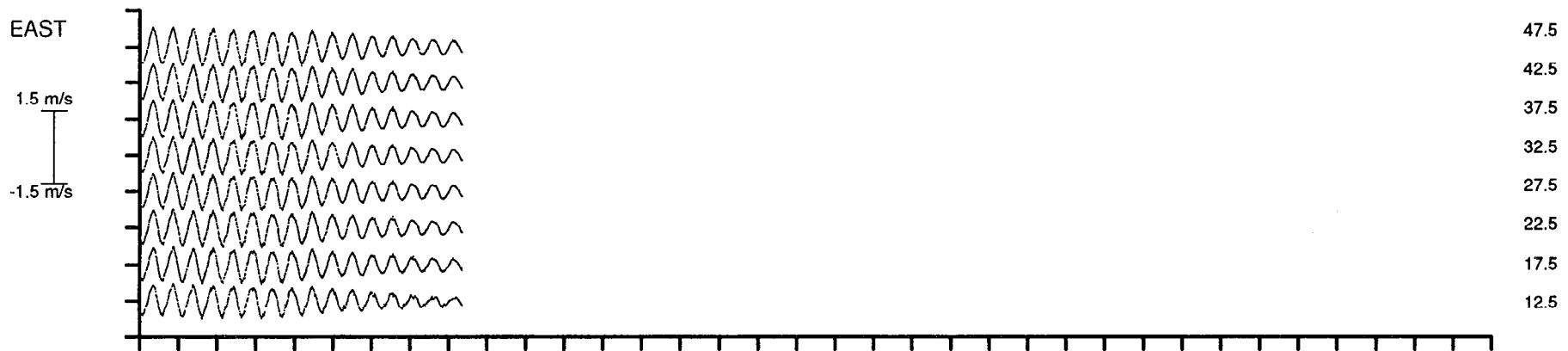
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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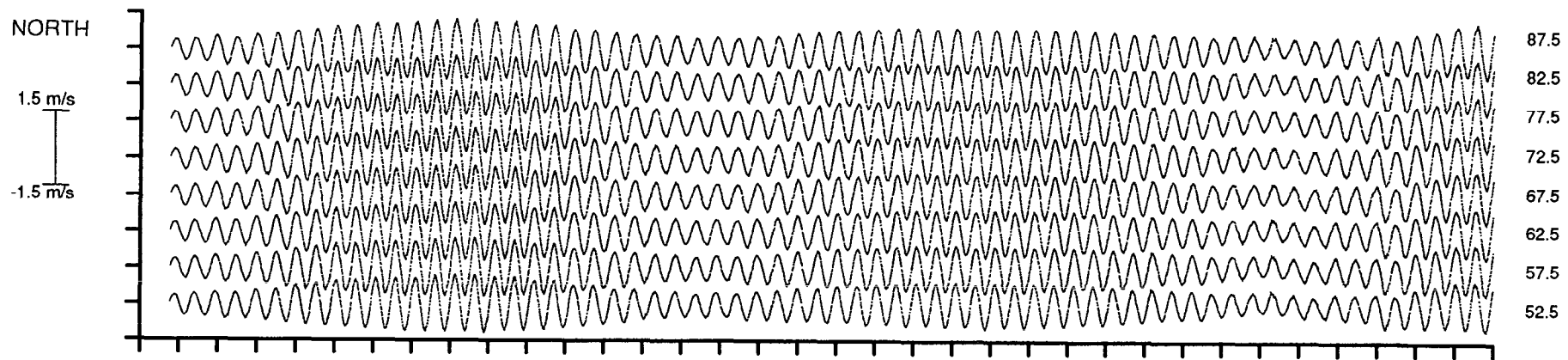
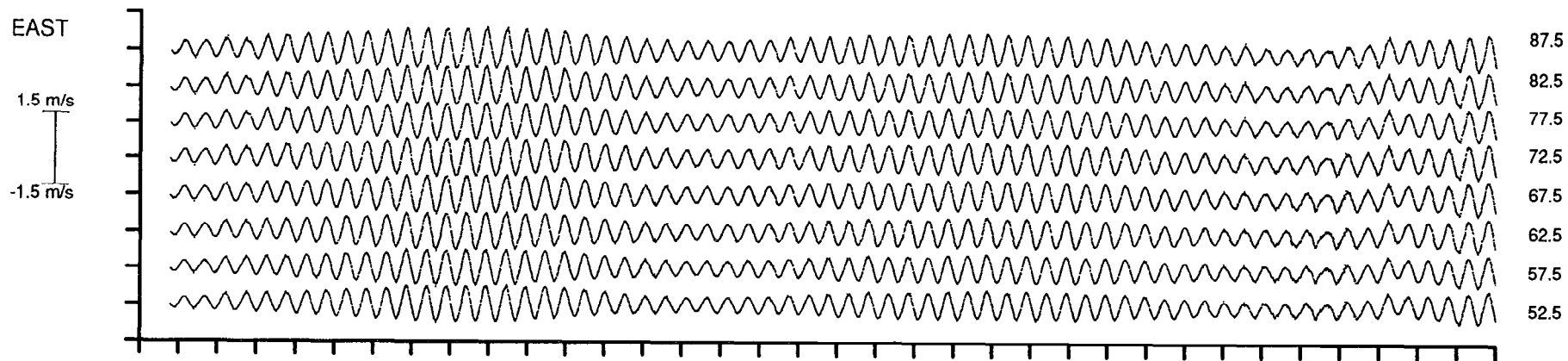
VELOCITY COMPONENT TIME SERIES PLOT

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Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

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Bin Ht (m)



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

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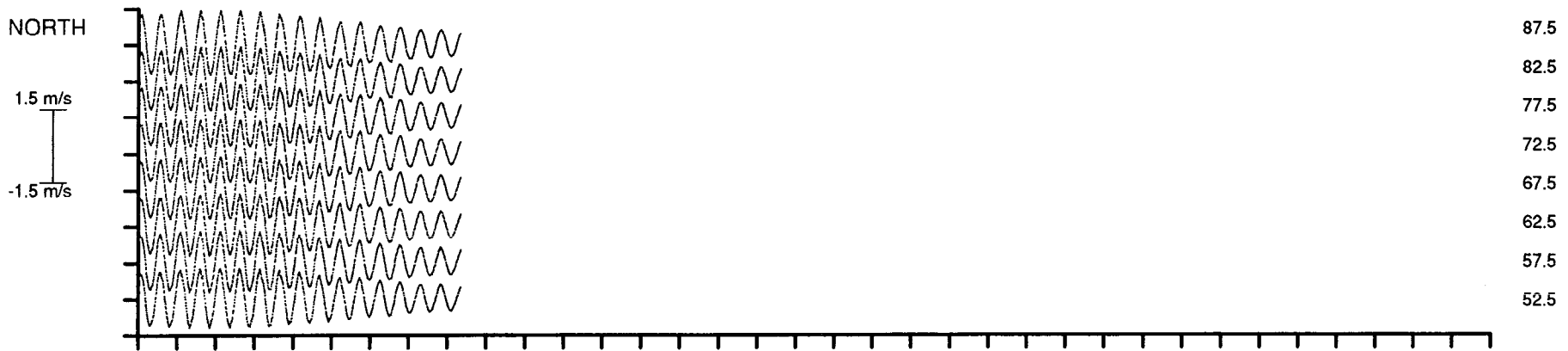
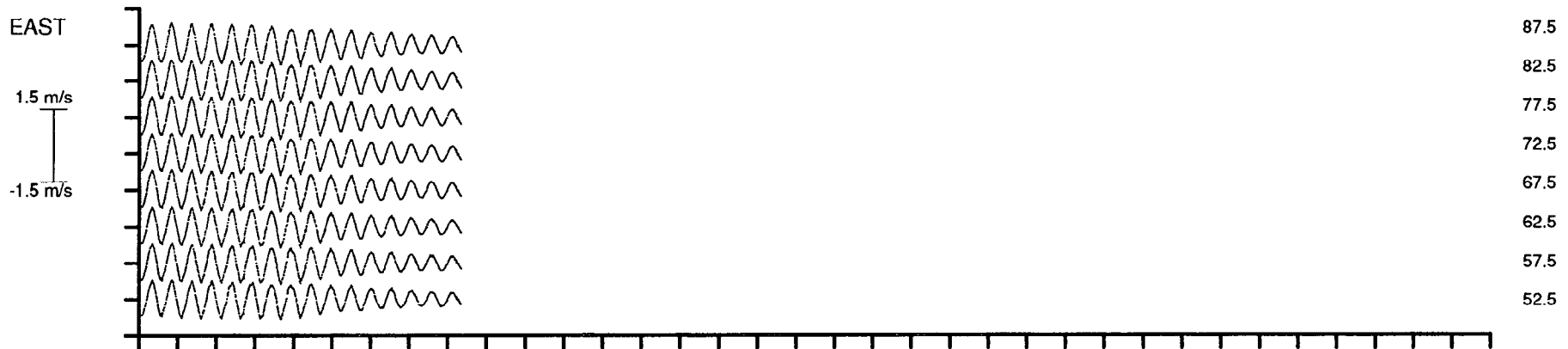
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

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Bin Ht (m)



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

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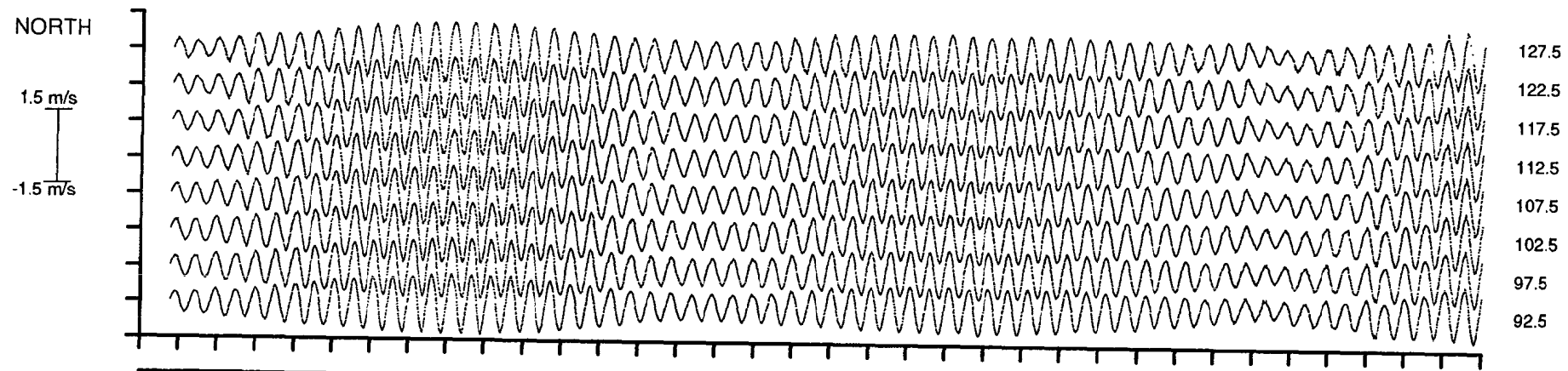
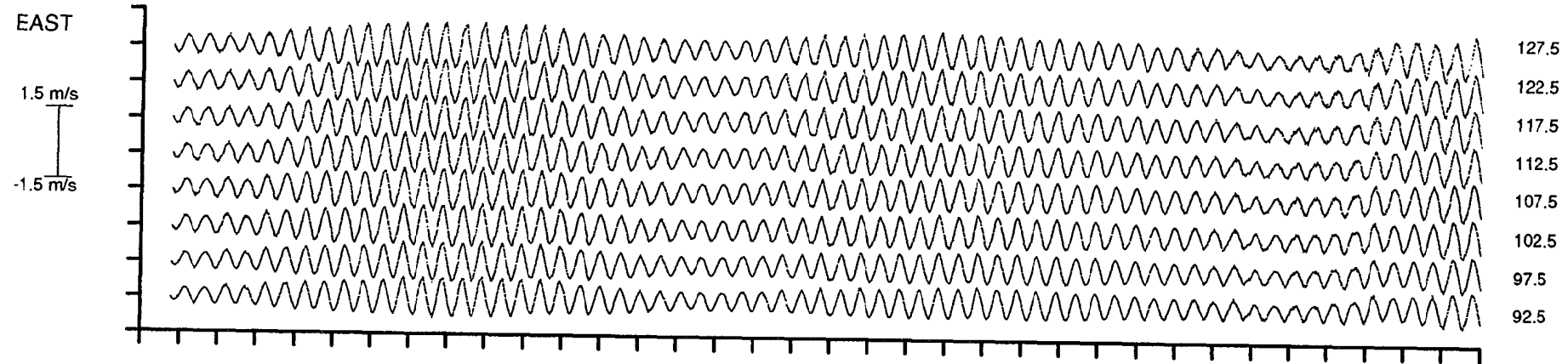
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
93 93
Aug Sep

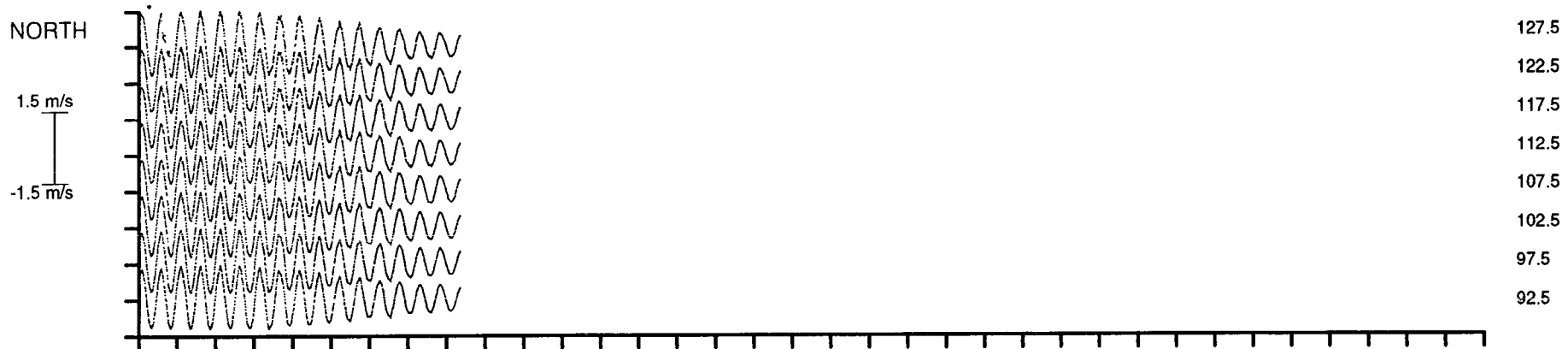
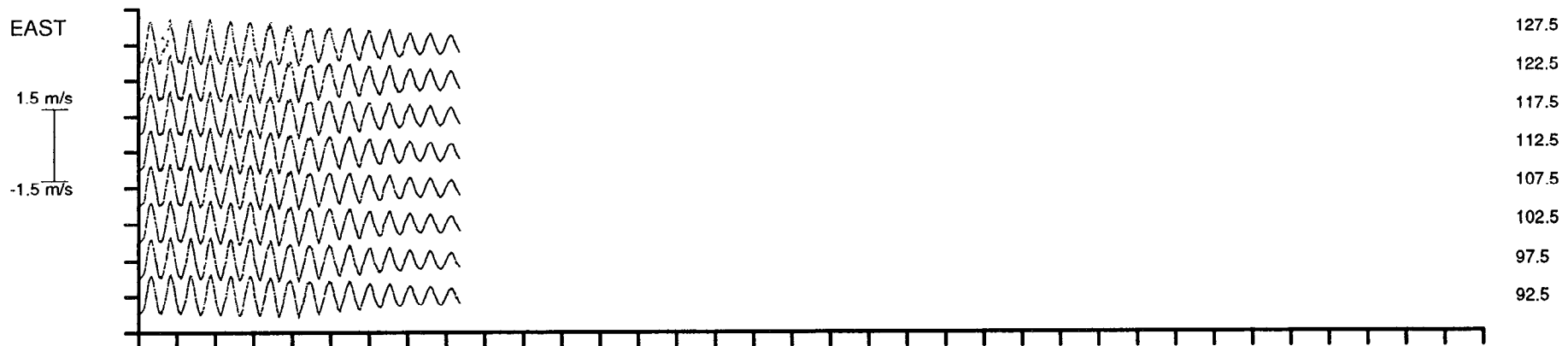
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



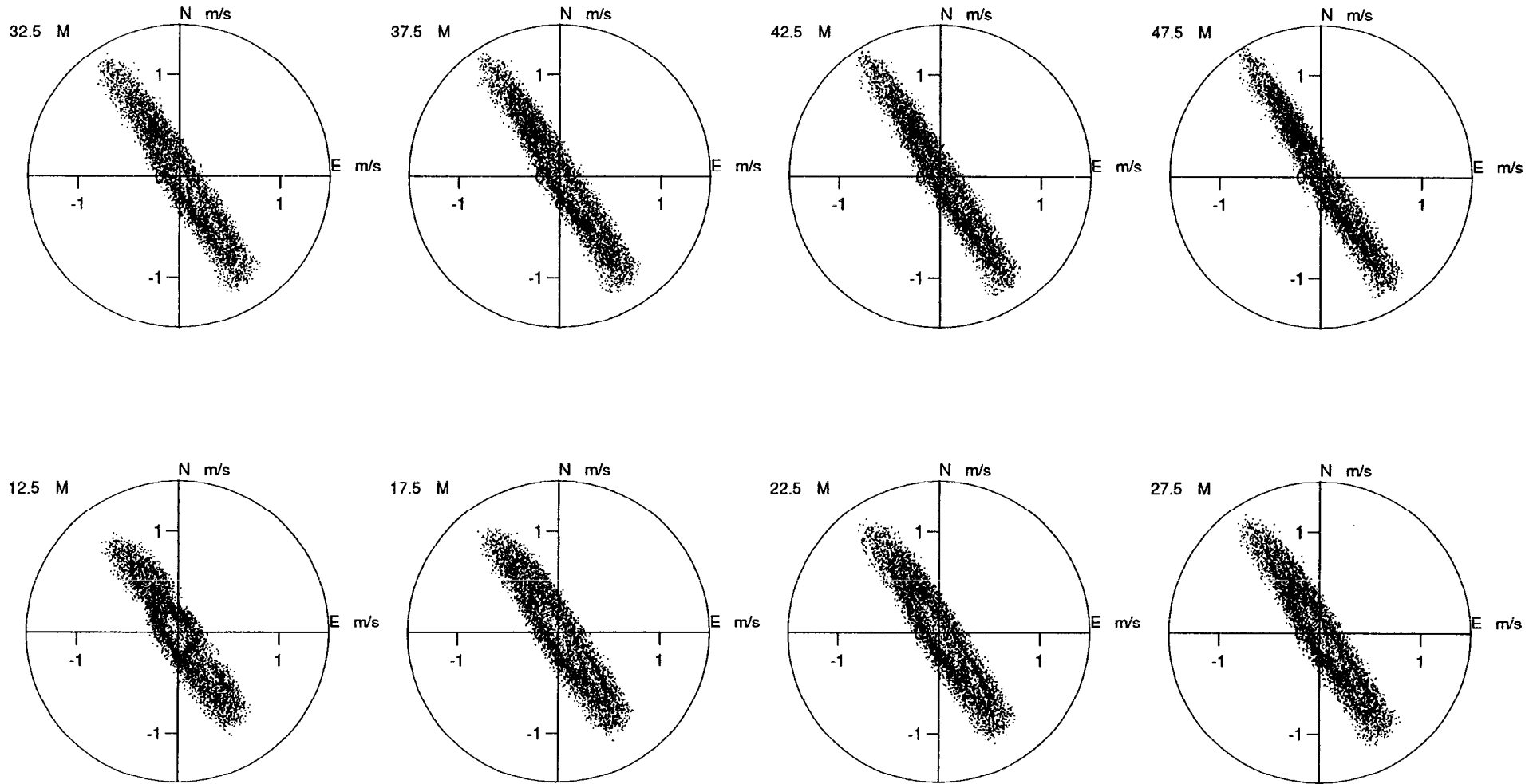
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
93 93
Sep Oct

SCATTER PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

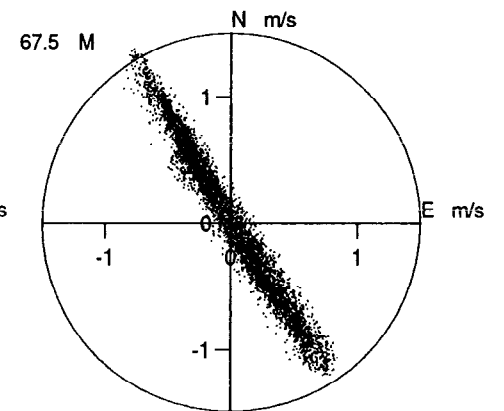
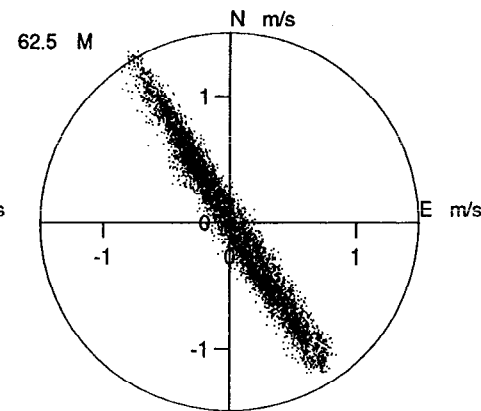
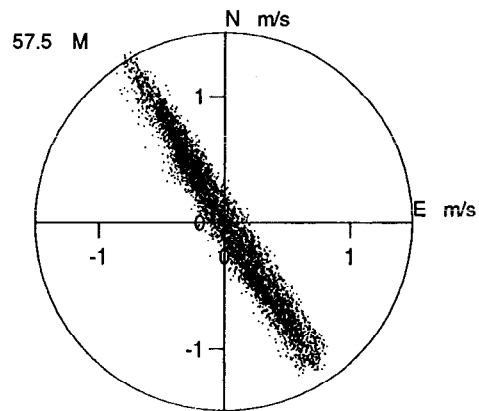
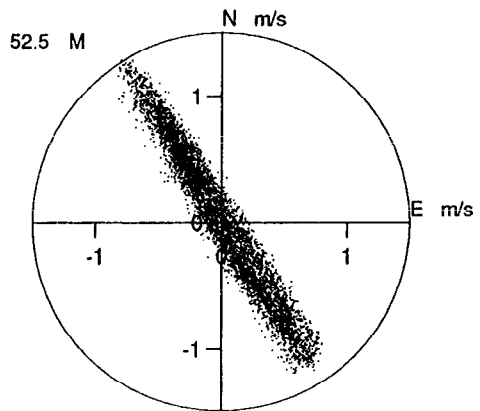
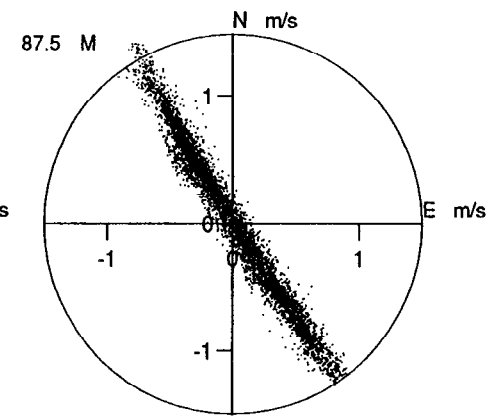
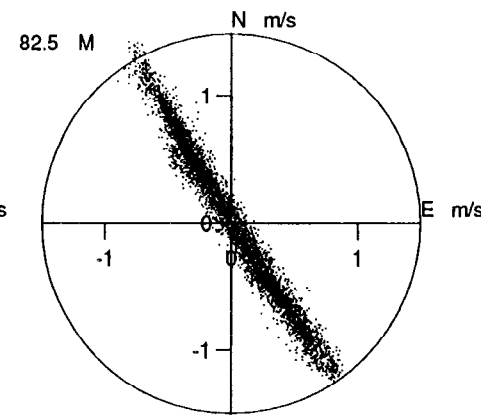
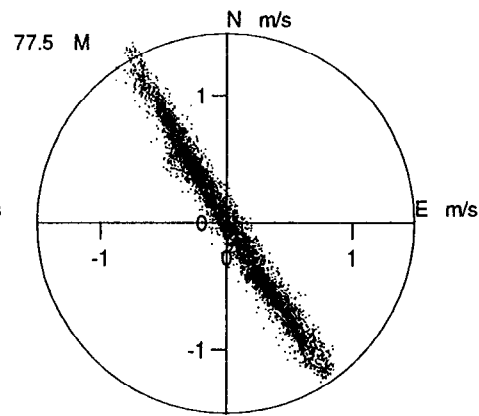
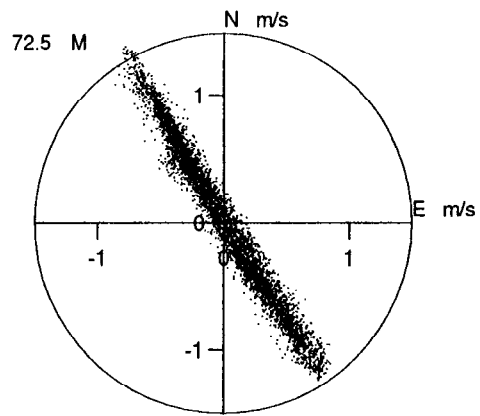


SCATTER PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

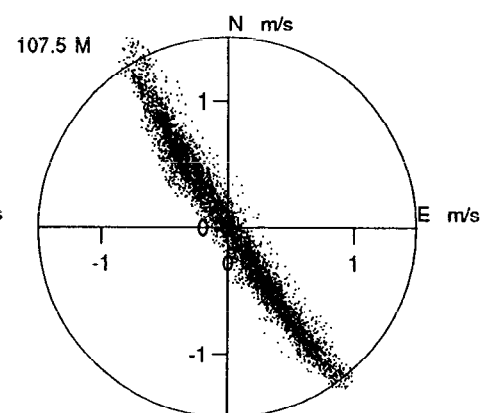
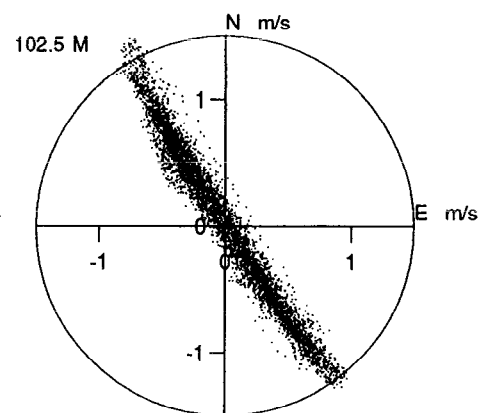
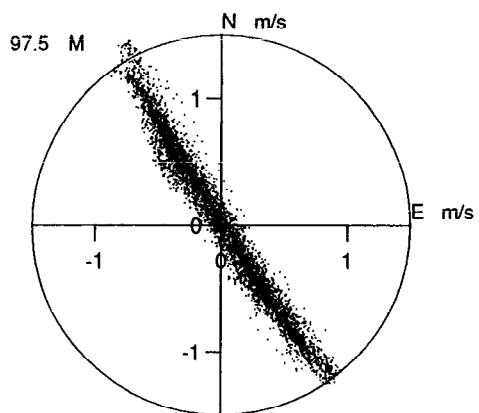
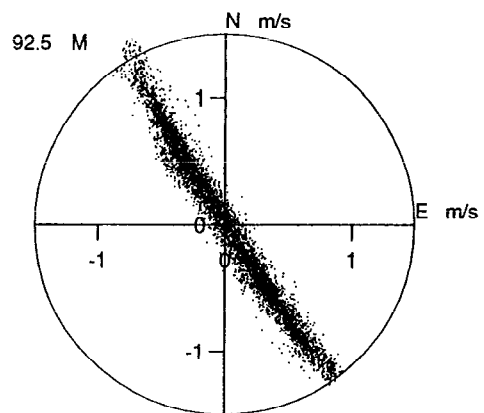
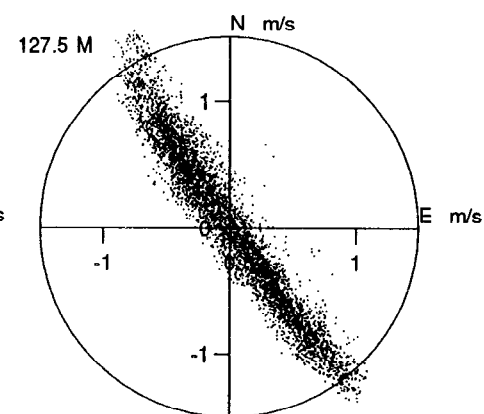
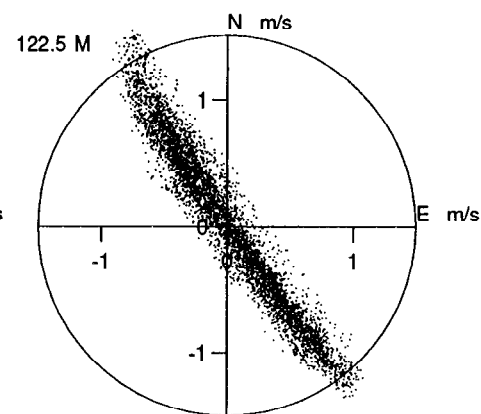
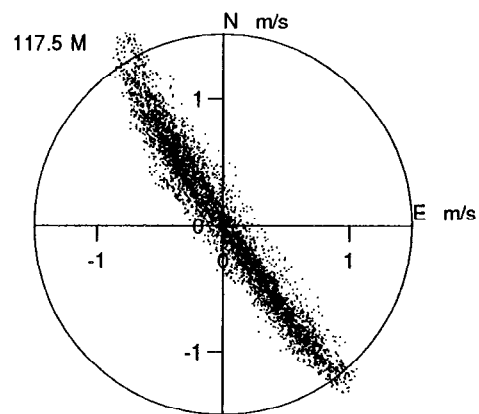
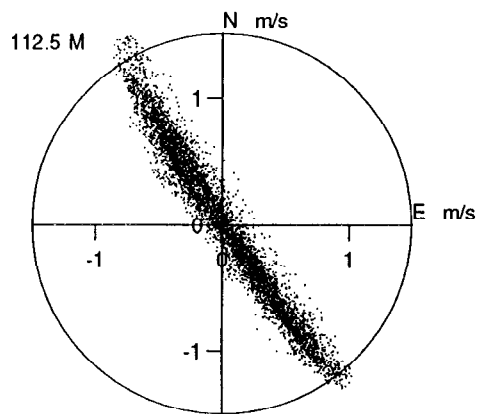


SCATTER PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

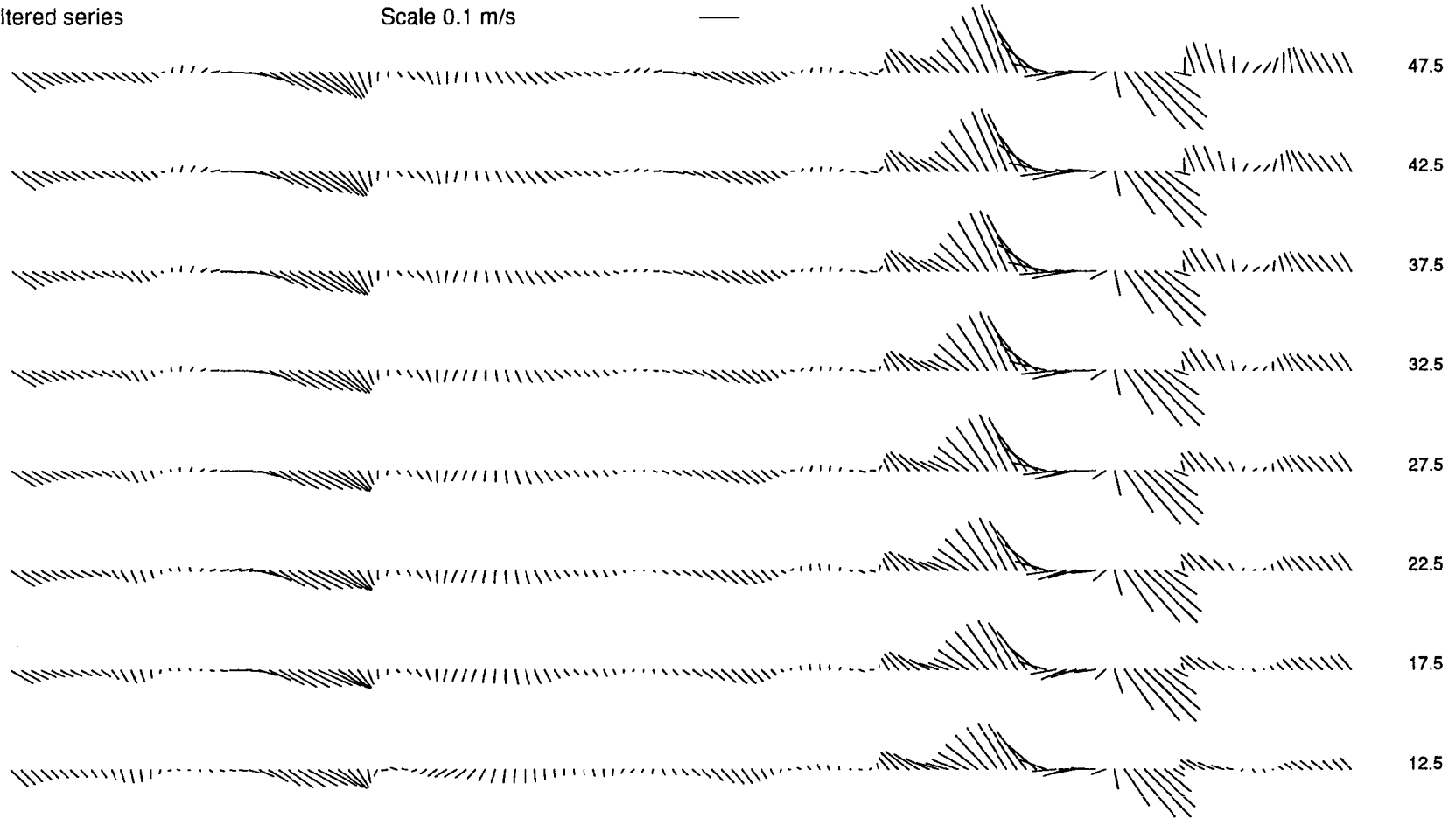
Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



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

93

93

Aug

Sep

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

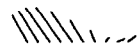
Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Filtered series

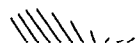
Scale 0.1 m/s

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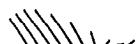
Bin Ht (m)



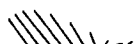
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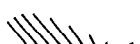
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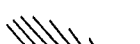
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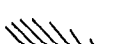
32.5



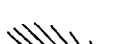
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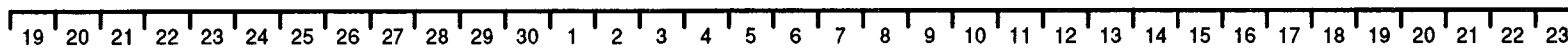
22.5



17.5



12.5



93

93

Sep

Oct

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

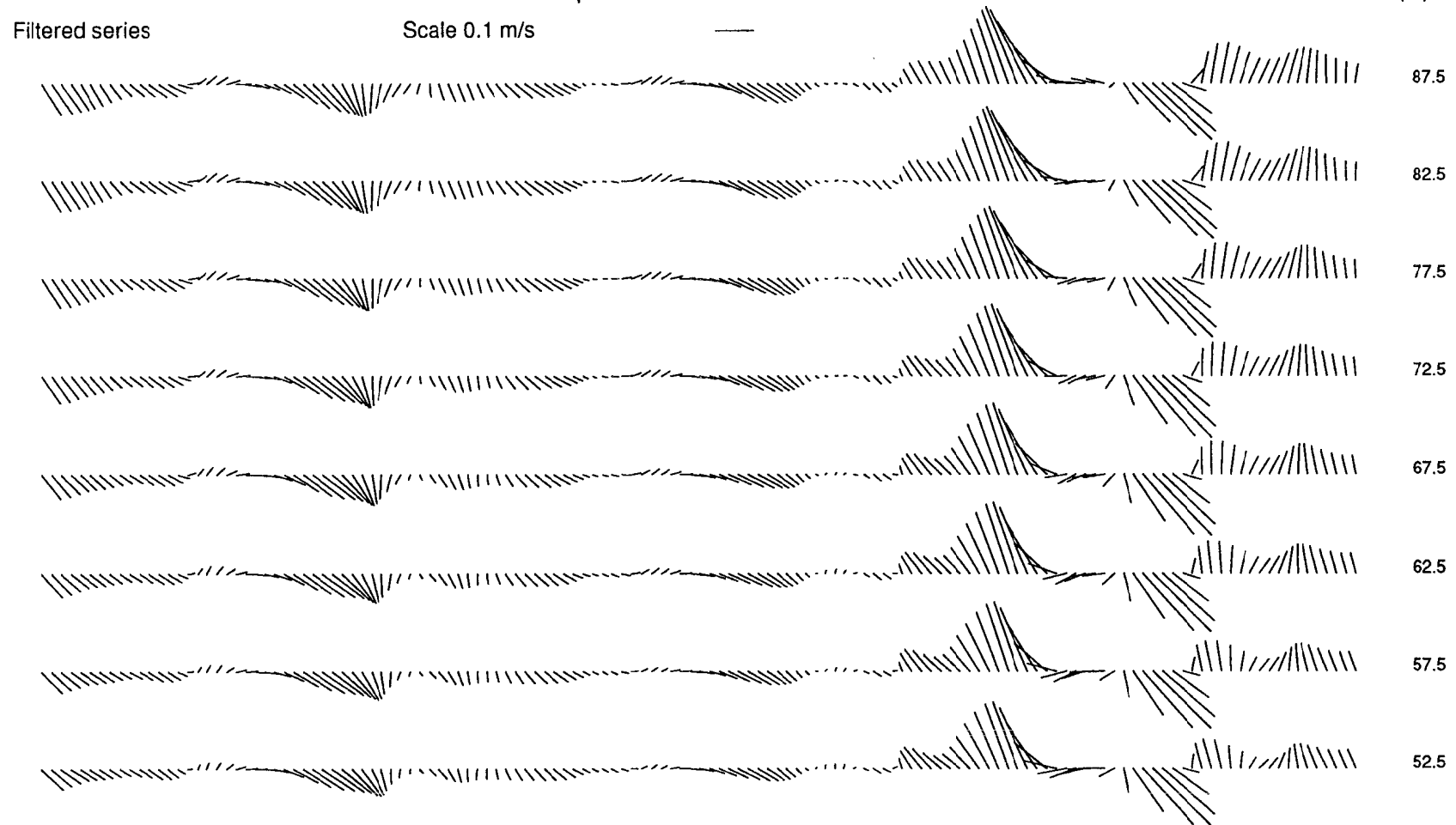
Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



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

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93

Aug

Sep

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



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

93

93

Sep

Oct

STICK TIME SERIES PLOT

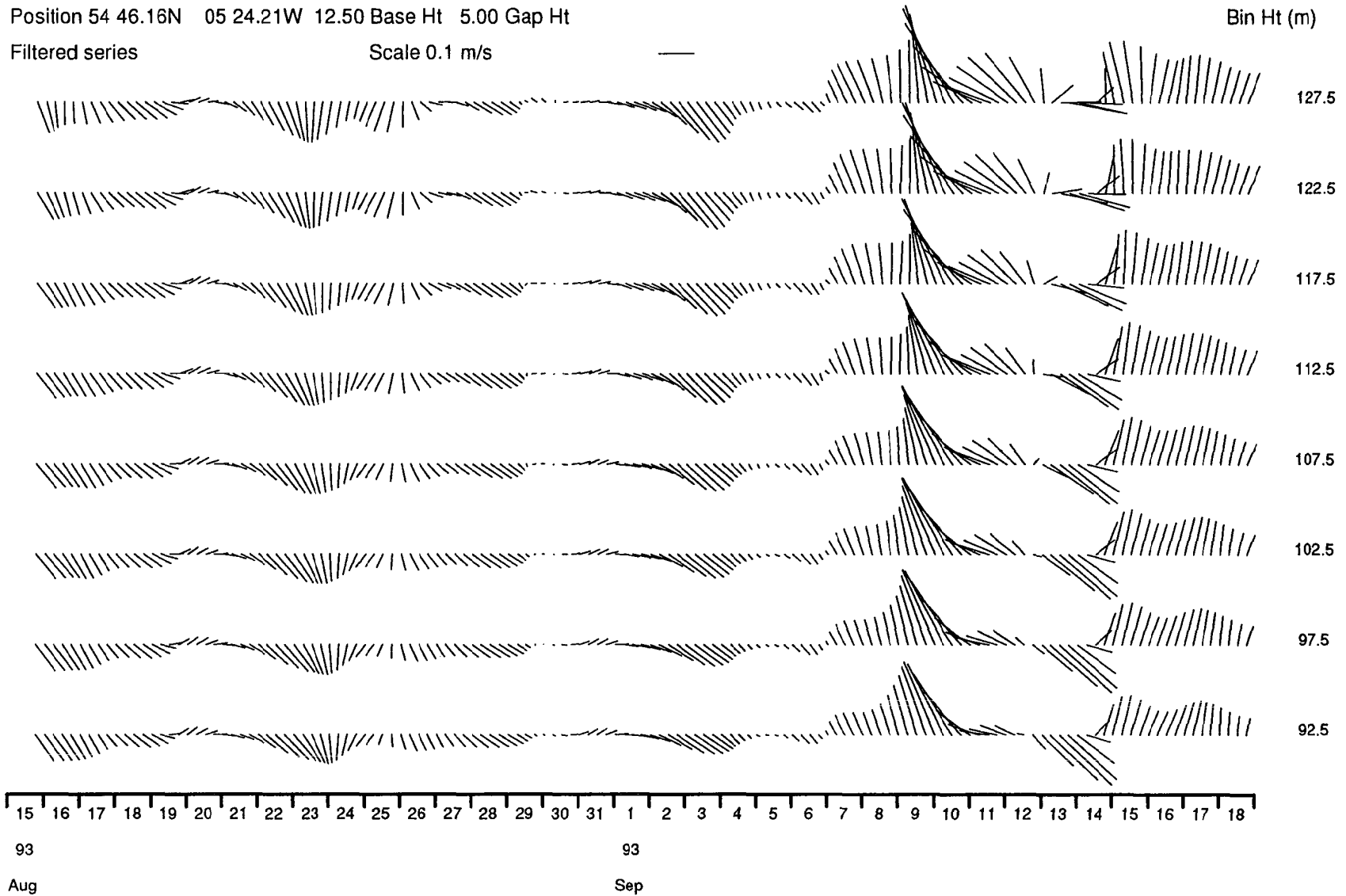
Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

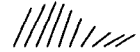
Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht

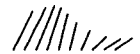
Bin Ht (m)

Filtered series

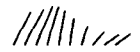
Scale 0.1 m/s



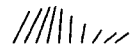
127.5



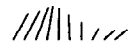
122.5



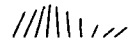
117.5



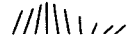
112.5



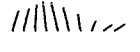
107.5



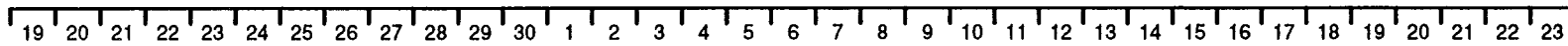
102.5



97.5



92.5



93

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Sep

Oct

Statistics for bb1149.00573

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.006	-150.4	0.2902	-32.8	0.0109	57.2
2	17.5	0.006	134.0	0.3323	-32.7	0.0119	57.3
3	22.5	0.006	122.9	0.3572	-32.3	0.0112	57.7
4	27.5	0.006	110.8	0.3784	-32.1	0.0101	57.9
5	32.5	0.006	98.6	0.3963	-31.9	0.0090	58.1
6	37.5	0.007	91.4	0.4128	-31.7	0.0078	58.3
7	42.5	0.009	86.8	0.4272	-31.6	0.0068	58.4
8	47.5	0.010	83.7	0.4403	-31.6	0.0058	58.4
9	52.5	0.012	84.2	0.4526	-31.6	0.0049	58.4
10	57.5	0.013	84.7	0.4647	-31.6	0.0041	58.4
11	62.5	0.014	85.4	0.4762	-31.6	0.0036	58.4
12	67.5	0.015	86.4	0.4874	-31.7	0.0031	58.3
13	72.5	0.016	86.8	0.4984	-31.9	0.0029	58.1
14	77.5	0.017	86.4	0.5092	-32.0	0.0027	58.0
15	82.5	0.018	86.1	0.5190	-32.2	0.0027	57.8
16	87.5	0.018	84.5	0.5287	-32.4	0.0028	57.6
17	92.5	0.018	81.8	0.5372	-32.6	0.0031	57.4
18	97.5	0.018	77.8	0.5453	-32.9	0.0033	57.1
19	102.5	0.019	73.5	0.5528	-33.2	0.0037	56.8
20	107.5	0.019	68.1	0.5599	-33.5	0.0042	56.5
21	112.5	0.018	60.1	0.5660	-33.9	0.0049	56.1
22	117.5	0.018	51.7	0.5721	-34.2	0.0058	55.8
23	122.5	0.019	41.4	0.5771	-34.5	0.0068	55.5
24	127.5	0.017	38.8	0.5762	-34.8	0.0081	55.2

Statistics for bb1149.00573

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.007	-138.5	0.0026	-46.8	0.0002	43.2
2	17.5	0.004	160.3	0.0029	-47.3	0.0003	42.7
3	22.5	0.003	143.5	0.0031	-46.7	0.0003	43.3
4	27.5	0.003	117.0	0.0033	-45.8	0.0003	44.2
5	32.5	0.003	91.3	0.0035	-44.9	0.0004	45.1
6	37.5	0.005	79.7	0.0037	-44.2	0.0004	45.8
7	42.5	0.006	76.3	0.0037	-42.7	0.0004	47.3
8	47.5	0.008	74.9	0.0039	-40.6	0.0004	49.4
9	52.5	0.010	77.1	0.0039	-38.5	0.0004	51.5
10	57.5	0.012	79.4	0.0040	-36.3	0.0005	53.7
11	62.5	0.013	80.2	0.0041	-34.5	0.0005	55.5
12	67.5	0.014	82.8	0.0043	-32.8	0.0005	57.2
13	72.5	0.015	82.9	0.0044	-31.8	0.0005	58.2
14	77.5	0.017	83.0	0.0045	-31.2	0.0006	58.8
15	82.5	0.017	83.1	0.0047	-30.5	0.0006	59.5
16	87.5	0.018	81.6	0.0049	-30.1	0.0007	59.9
17	92.5	0.019	78.6	0.0051	-29.6	0.0008	60.4
18	97.5	0.019	75.8	0.0053	-29.1	0.0009	60.9
19	102.5	0.020	71.6	0.0056	-28.6	0.0009	61.4
20	107.5	0.020	67.3	0.0058	-28.0	0.0010	62.0
21	112.5	0.021	60.6	0.0062	-26.8	0.0012	63.2
22	117.5	0.021	53.1	0.0067	-26.2	0.0014	63.8
23	122.5	0.021	43.5	0.0073	-24.9	0.0016	65.1
24	127.5	0.021	33.3	0.0082	-23.2	0.0018	66.8

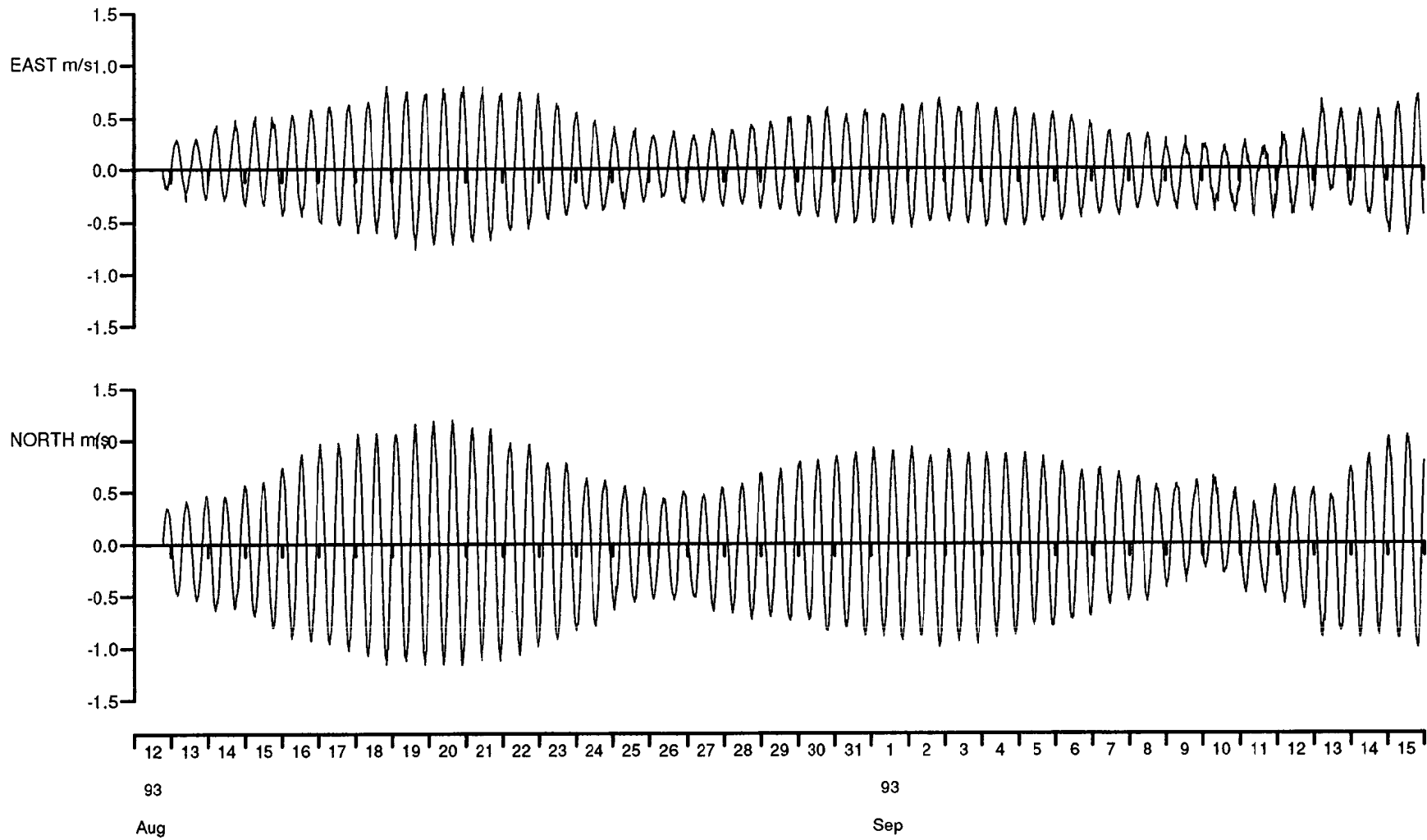
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



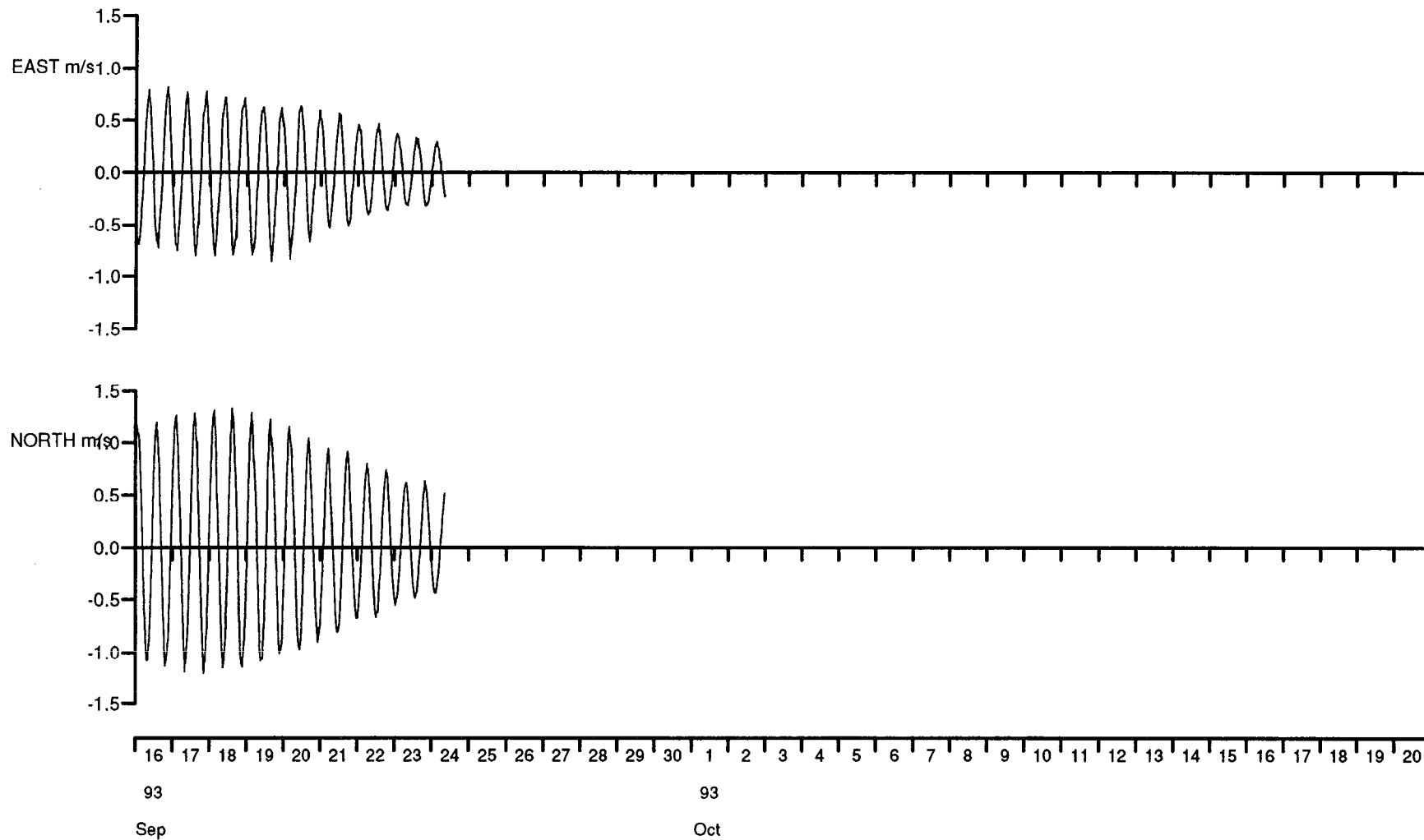
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



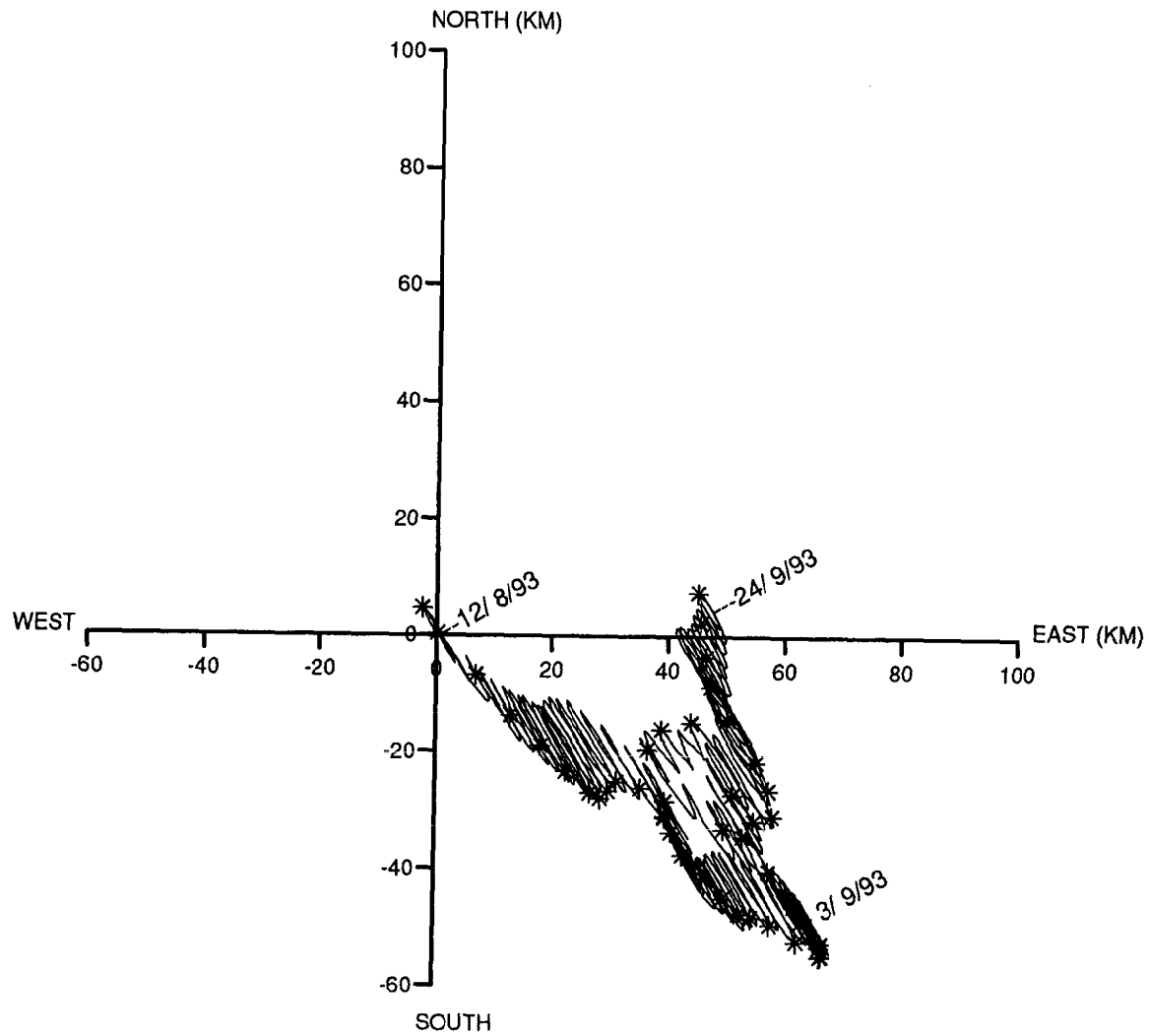
VECTOR PLOT

Meter no. 1149 Rig no. 00573 Depth of water(m) 144.0

Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00

Position 54 46.16N 05 24.21W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1149.00573s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0129	0.13046356E+00	0.36119738E+00
Northings	0.0012	0.33836728E+00	0.58169347E+00
Speed	0.5930	0.11735172E+00	0.34256637E+00
Vector mean speed	0.0130		
Vector Mean Direction	84.7		

Maximum ten values

Eastings					Northings				
0.817	0.808	0.799	0.799	0.794	1.336	1.315	1.294	1.292	1.290
0.792	0.791	0.786	0.781	0.778	1.285	1.281	1.274	1.272	1.271

Minimum ten values

Eastings					Northings				
-0.792	-0.793	-0.794	-0.795	-0.796	-1.150	-1.158	-1.158	-1.160	-1.161
-0.800	-0.804	-0.820	-0.831	-0.857	-1.163	-1.164	-1.164	-1.188	-1.207

Maximum speeds

1.539	1.532	1.517	1.499	1.488	1.487	1.487	1.484	1.483	1.483
1.481	1.477	1.475	1.471	1.471	1.469	1.465	1.462	1.461	1.457
1.456	1.450	1.447	1.435	1.432	1.430	1.427	1.426	1.425	1.425
1.418	1.418	1.417	1.416	1.414	1.413	1.403	1.402	1.396	1.394
1.385	1.385	1.384	1.381	1.381	1.380	1.378	1.377	1.376	1.371
1.370	1.365	1.365	1.363	1.360	1.358	1.358	1.357	1.355	1.353
1.353	1.352	1.351	1.350	1.348	1.347	1.346	1.345	1.343	1.343
1.343	1.343	1.342	1.340	1.339	1.338	1.336	1.335	1.335	1.334
1.334	1.334	1.332	1.332	1.332	1.331	1.331	1.330	1.328	1.328
1.328	1.328	1.327	1.327	1.326	1.325	1.324	1.324	1.322	1.322

Variance ellipse statistics

Maximum variance	0.4647E+00	Direction	-31.6
Minimum variance	0.4114E-02	Direction	58.4
Total variance	0.4688E+00	Ratio of variances	0.8853E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			2.5
Average direction. maxdir +PI/2 to maxdir -PI/2			179.3

Statistics for bb1149.00573s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0114	0.17011939E-02	0.41245531E-01
Northings	0.0021	0.27702225E-02	0.52632906E-01
Speed	0.0545	0.16176067E-02	0.40219482E-01
Vector mean speed	0.0116		
Vector Mean Direction	79.4		

Maximum ten values

Eastings					Northings				
0.148	0.133	0.127	0.092	0.082	0.178	0.172	0.163	0.150	0.125
0.080	0.080	0.076	0.072	0.071	0.121	0.089	0.076	0.075	0.075

Minimum ten values

Eastings					Northings				
-0.059	-0.059	-0.061	-0.062	-0.064	-0.064	-0.067	-0.068	-0.069	-0.070
-0.065	-0.071	-0.075	-0.080	-0.082	-0.072	-0.115	-0.119	-0.147	-0.149

Maximum speeds

0.210	0.194	0.188	0.181	0.178	0.177	0.161	0.148	0.138	0.135
0.115	0.109	0.106	0.100	0.100	0.097	0.096	0.091	0.088	0.087
0.085	0.084	0.079	0.078	0.078	0.077	0.076	0.076	0.073	0.073
0.072	0.070	0.070	0.069	0.069	0.068	0.068	0.067	0.067	0.066
0.066	0.065	0.065	0.065	0.063	0.063	0.063	0.062	0.062	0.061
0.060	0.060	0.060	0.059	0.058	0.058	0.057	0.057	0.055	0.055
0.054	0.054	0.052	0.052	0.052	0.050	0.050	0.049	0.049	0.048
0.047	0.046	0.046	0.045	0.044	0.044	0.044	0.043	0.043	0.042
0.042	0.042	0.040	0.040	0.039	0.039	0.038	0.038	0.038	0.037
0.037	0.037	0.036	0.036	0.036	0.035	0.035	0.035	0.034	0.033

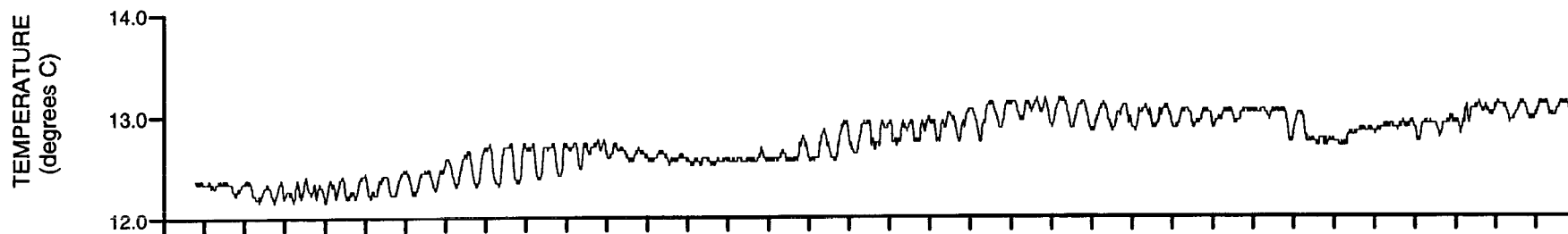
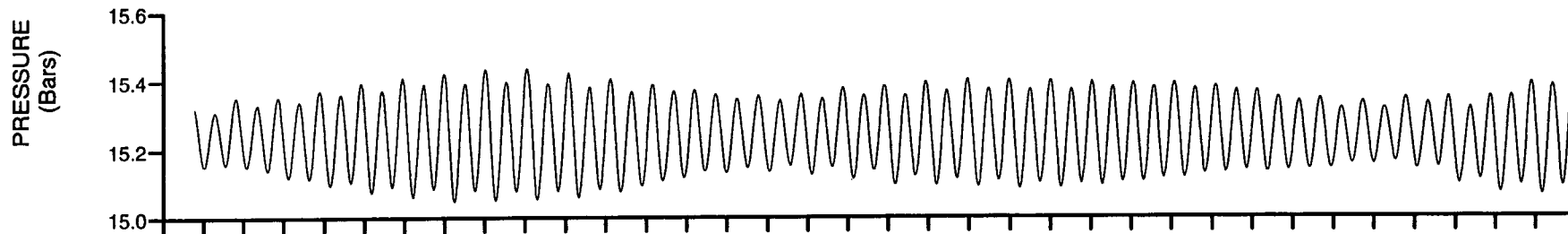
Variance ellipse statistics

Maximum variance	0.4014E-02	Direction	-36.3
Minimum variance	0.4575E-03	Direction	53.7
Total variance	0.4471E-02	Ratio of variances	0.1140E+00
Average direction. maxdir -PI/2 to maxdir +PI/2			24.7
Average direction. maxdir +PI/2 to maxdir -PI/2			158.7

Meter information details for 1038

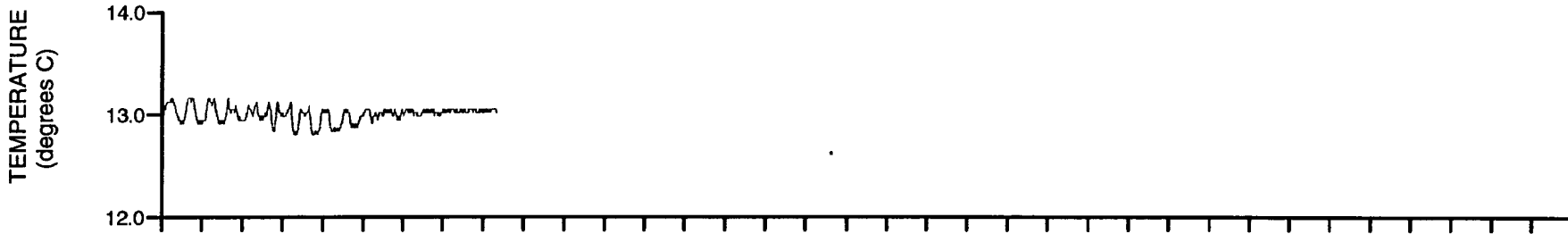
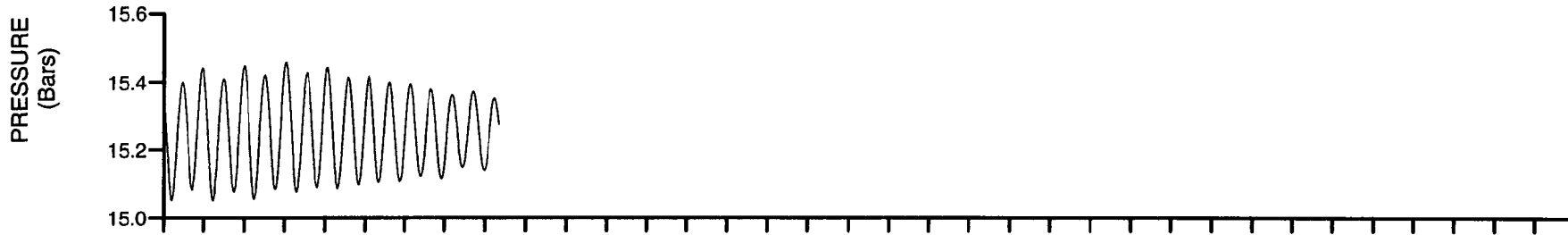
Rig No	:	00573
Meter No	:	1038
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	12-AUG-93 15:20:38
Meter stopped	:	24-SEP-93 16:30:58
Period switched on	:	43.0 days
Period of good data	:	42.6 days
Total number of scans	:	6131
Timing error	:	20 seconds slow
Comments	:	Good record obtained

Meter no. 1038 Rig no. 00573 Depth of water(m) 144.0
Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00
Position 54 46.16N 05 24.21W Meter Height(m) 0.5



12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
93
Aug Sep

Meter no. 1038 Rig no. 00573 Depth of water(m) 144.0
Start/End 1993/08/12 AT 18:50:00 1993/09/24 AT 08:40:00
Position 54 46.16N 05 24.21W Meter Height(m) 0.5



16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
93 93
Sep Oct

Rig information details for 00574

Position Latitude	:	54 46.05N
Position Longitude	:	05 24.40W
Water depth	:	143.0 m
Deployed on cruise	:	C106
Recovered on cruise	:	C107
Site name identification	:	EA2
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	24-SEP-93 10:42:00
Rig recovered on	:	02-NOV-93 11:20:00
Period of deployment	:	39.0 days
Comments	:	Launch and recovery successful

Meter information details for 1148

Rig No : 00574
Meter No : 1148
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 24-SEP-93 10:35:43
Meter stopped : 02-NOV-93 11:25:32
Period switched on : 39.0 days
Period of good data : 39.0 days
Total number of scans : 5620
Timing error : 11 seconds fast
Comments : Good record obtained
Bin(24) - 6 flagged errors
Bin (1) - 1 flagged error
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

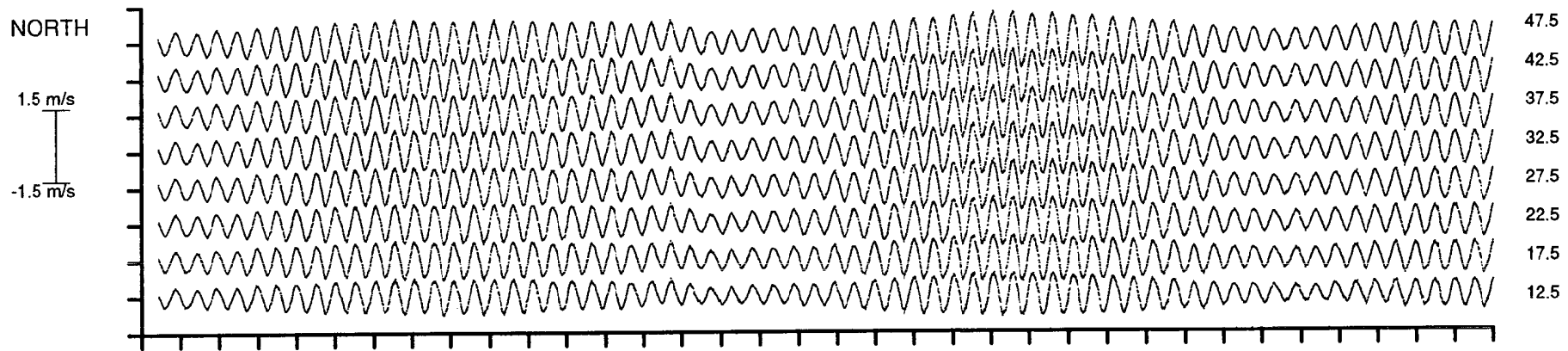
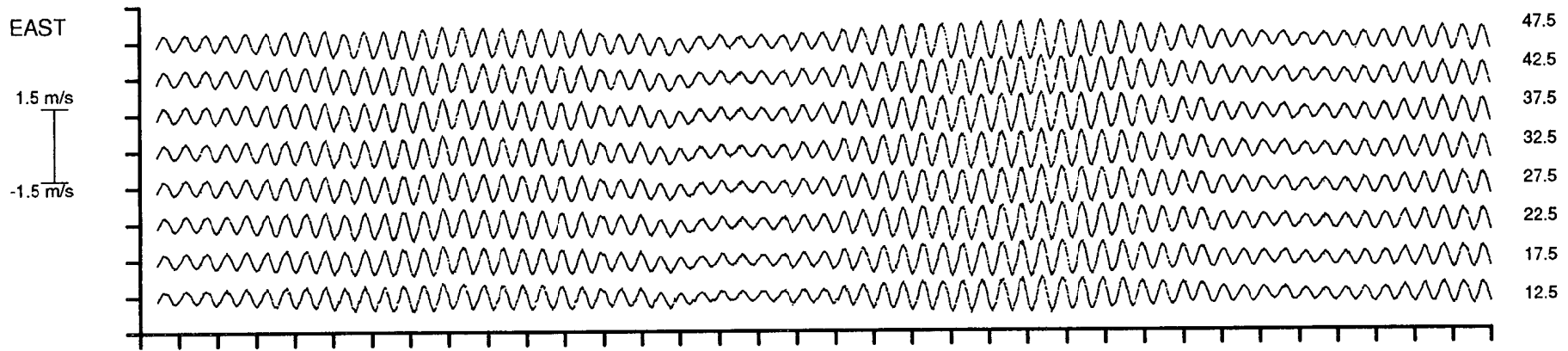
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
93 93
Sep Oct

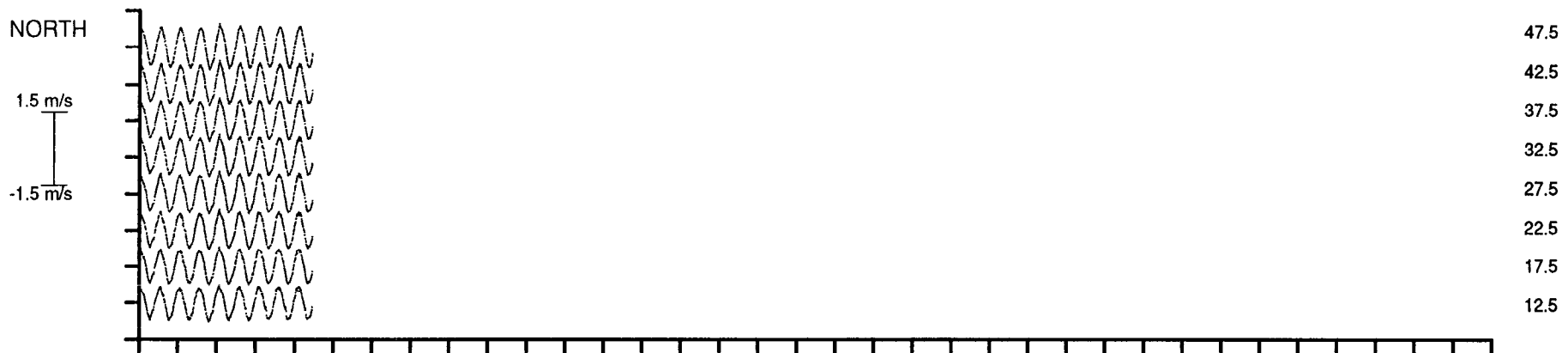
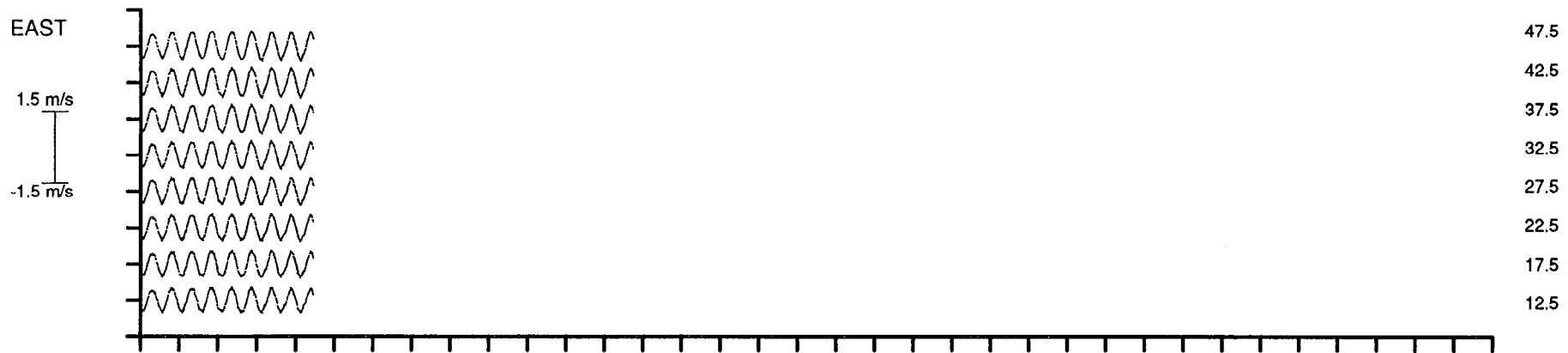
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93 93

93

Oct Nov

Dec

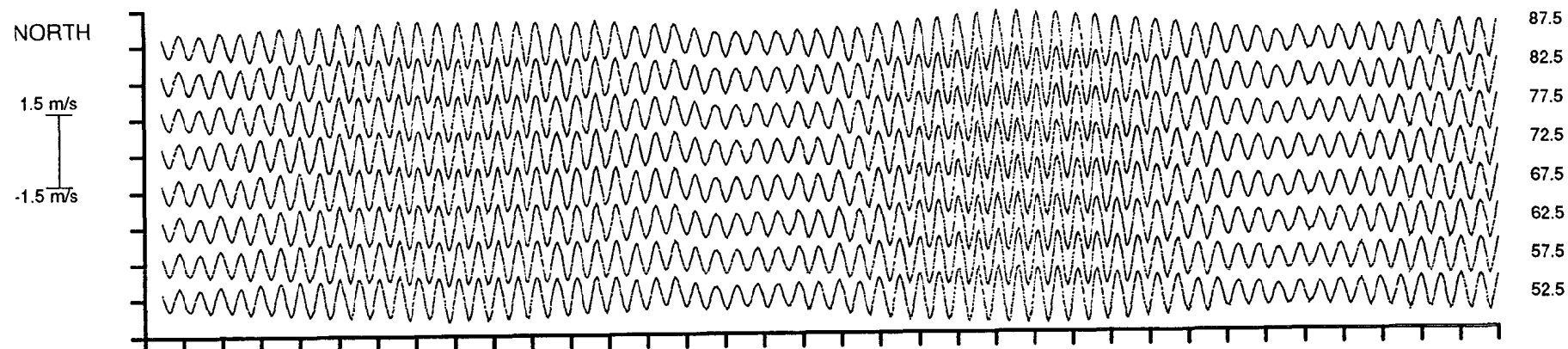
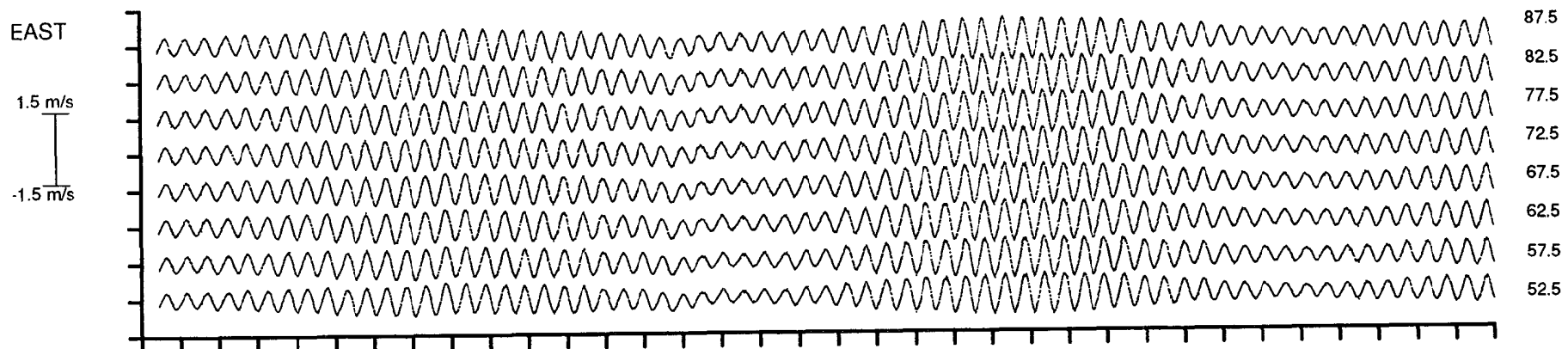
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93

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Sep

Oct

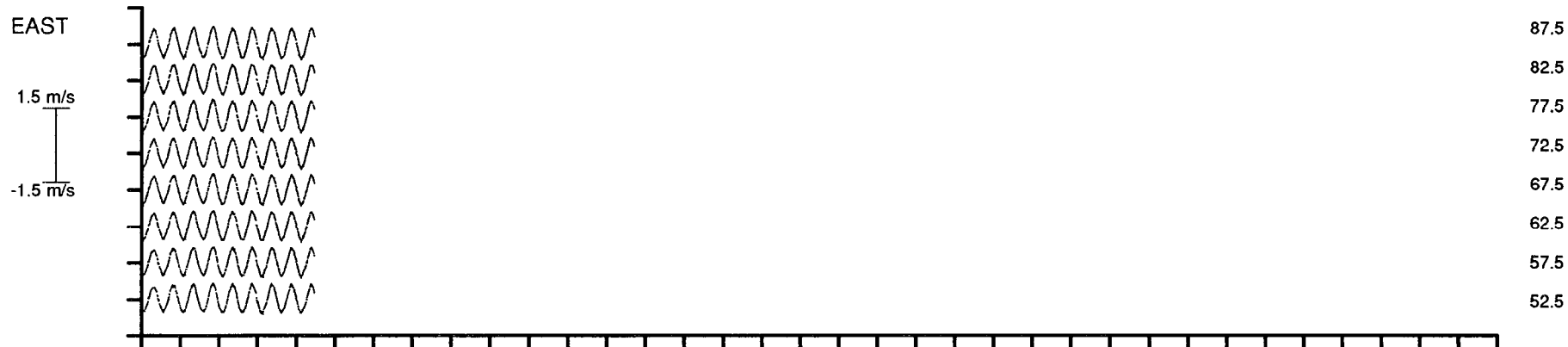
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2
93 93 93
Oct Nov Dec

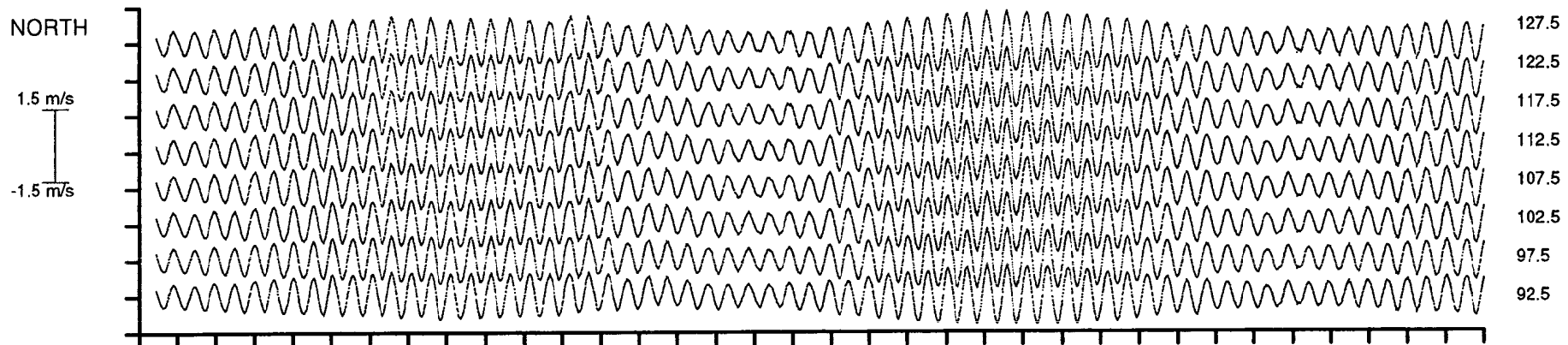
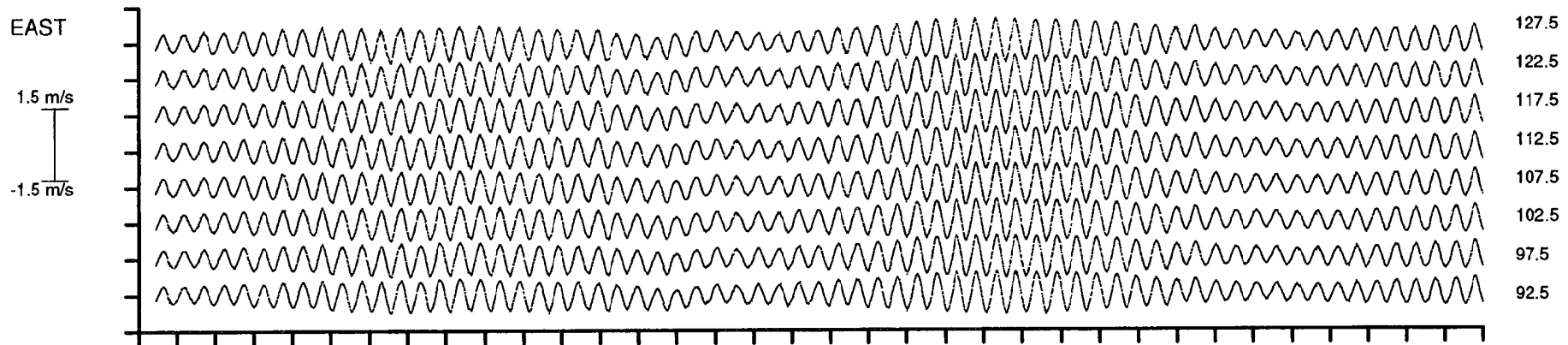
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93 93

Sep Oct

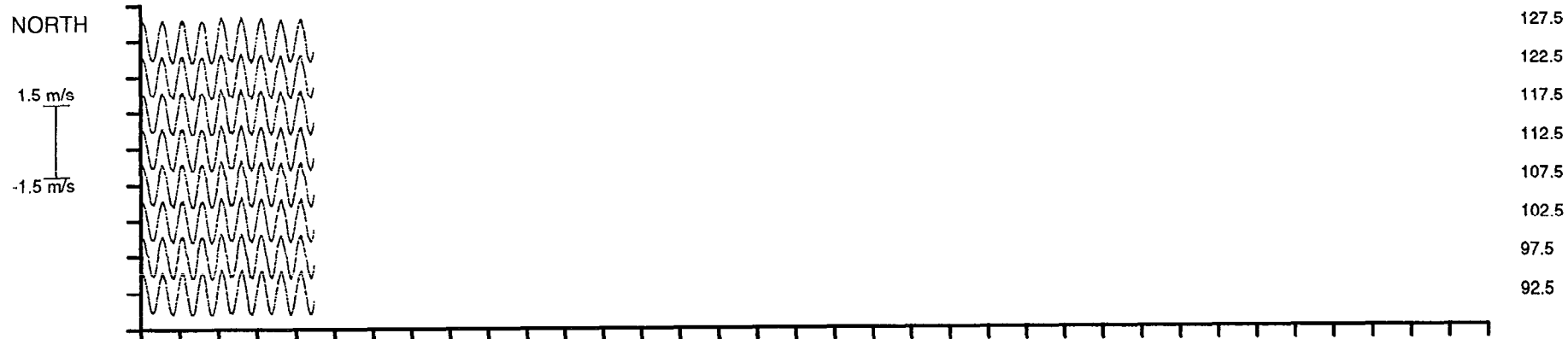
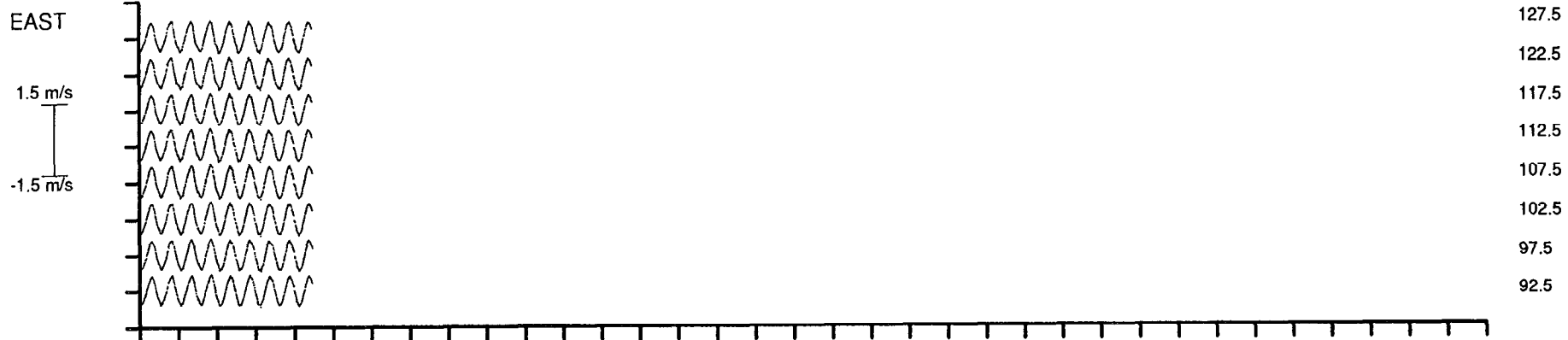
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



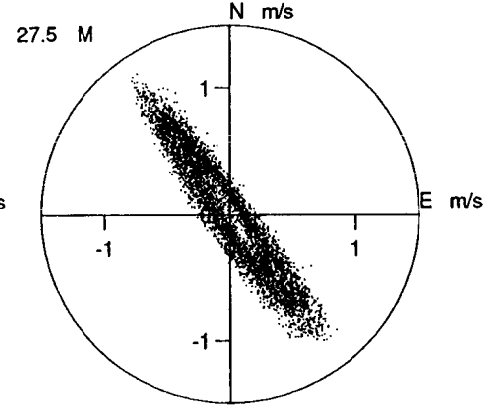
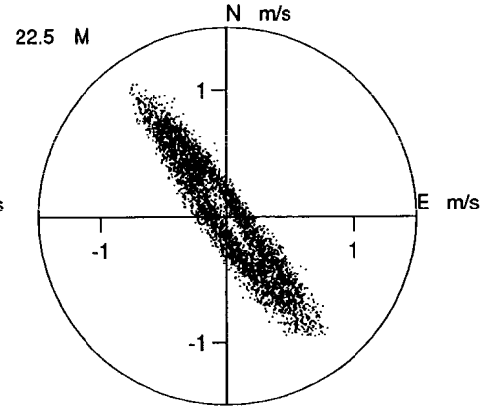
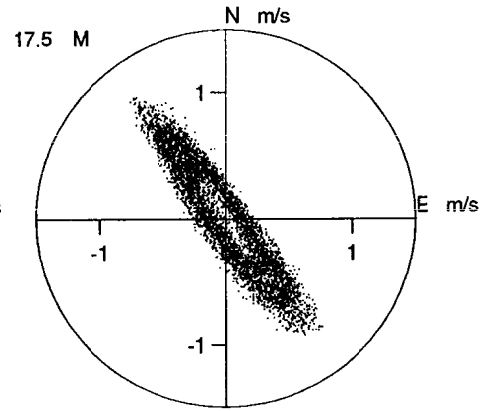
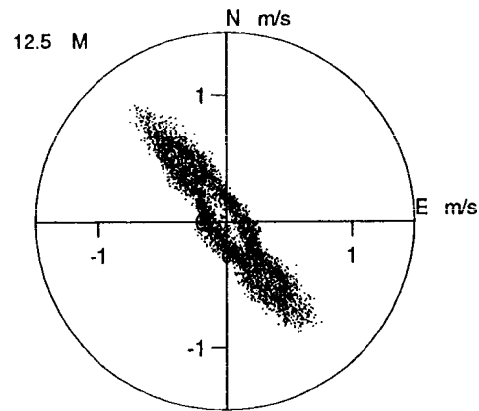
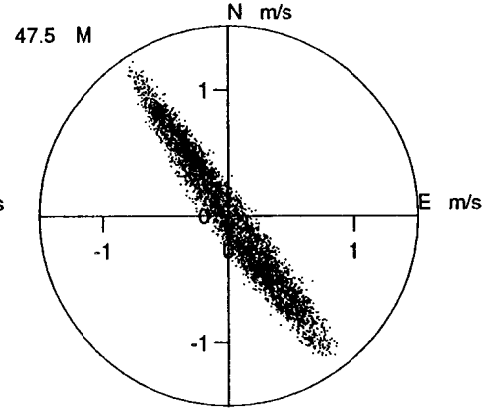
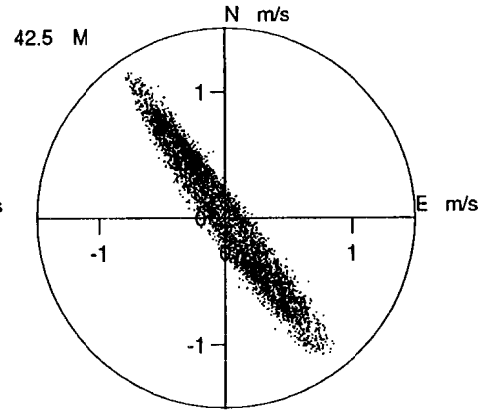
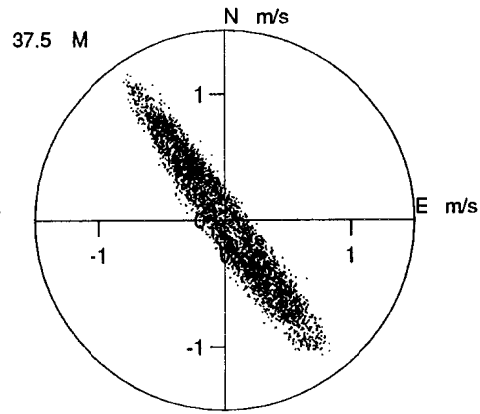
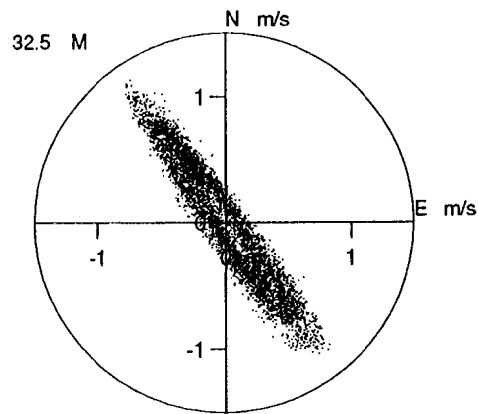
29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2
93 93 93
Oct Nov Dec

SCATTER PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

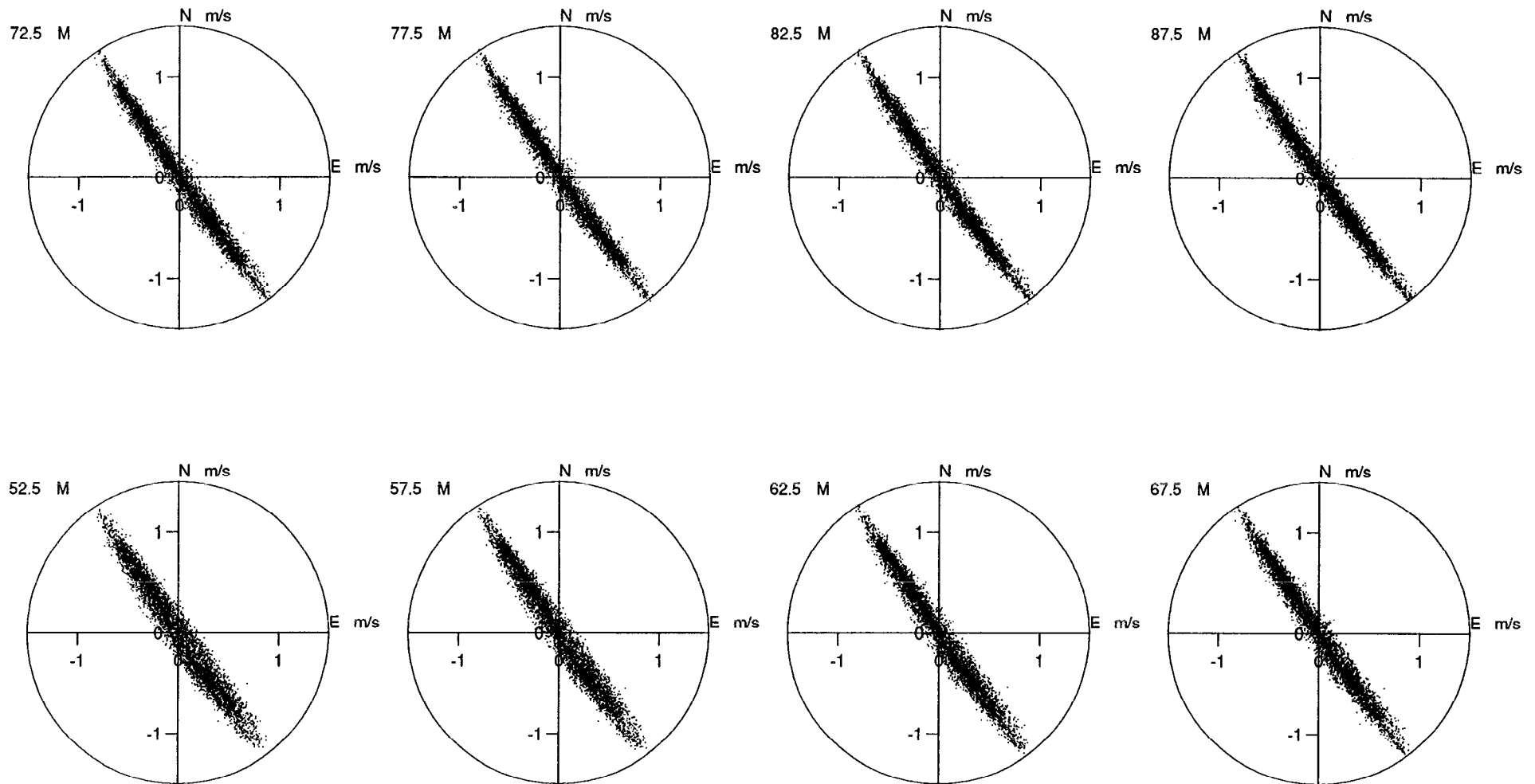


SCATTER PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

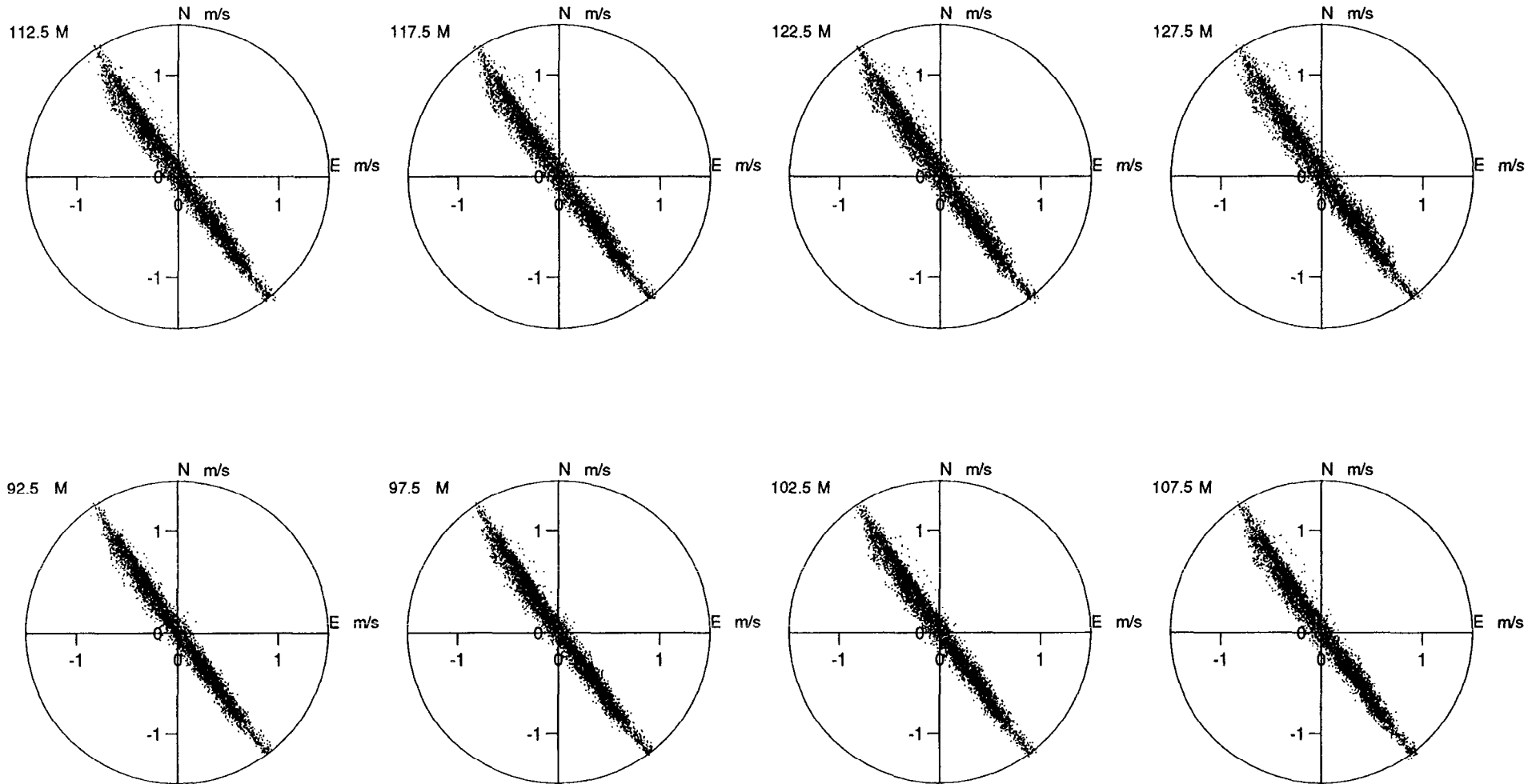


SCATTER PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

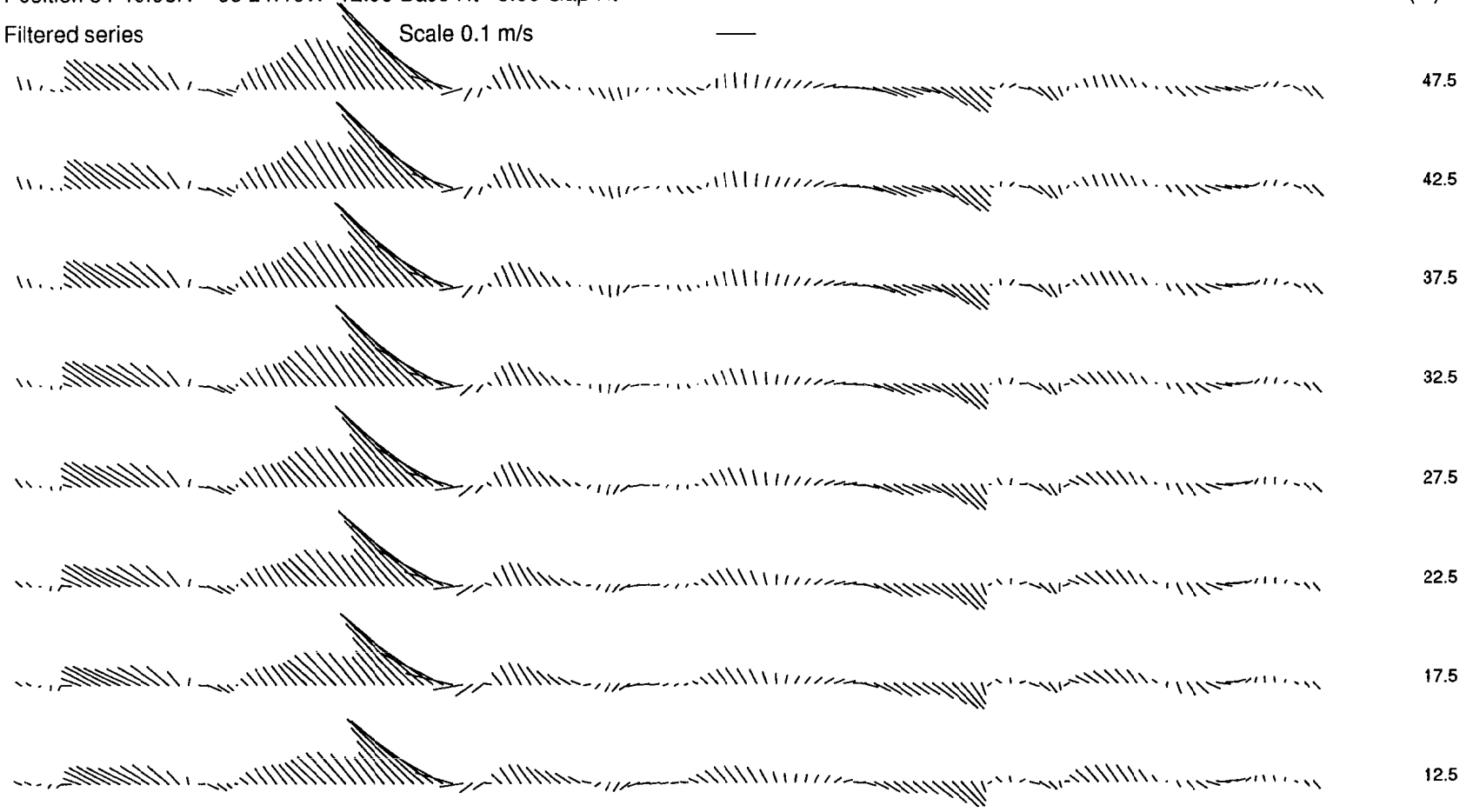
Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s

—



27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
93 93
Sep Oct

STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

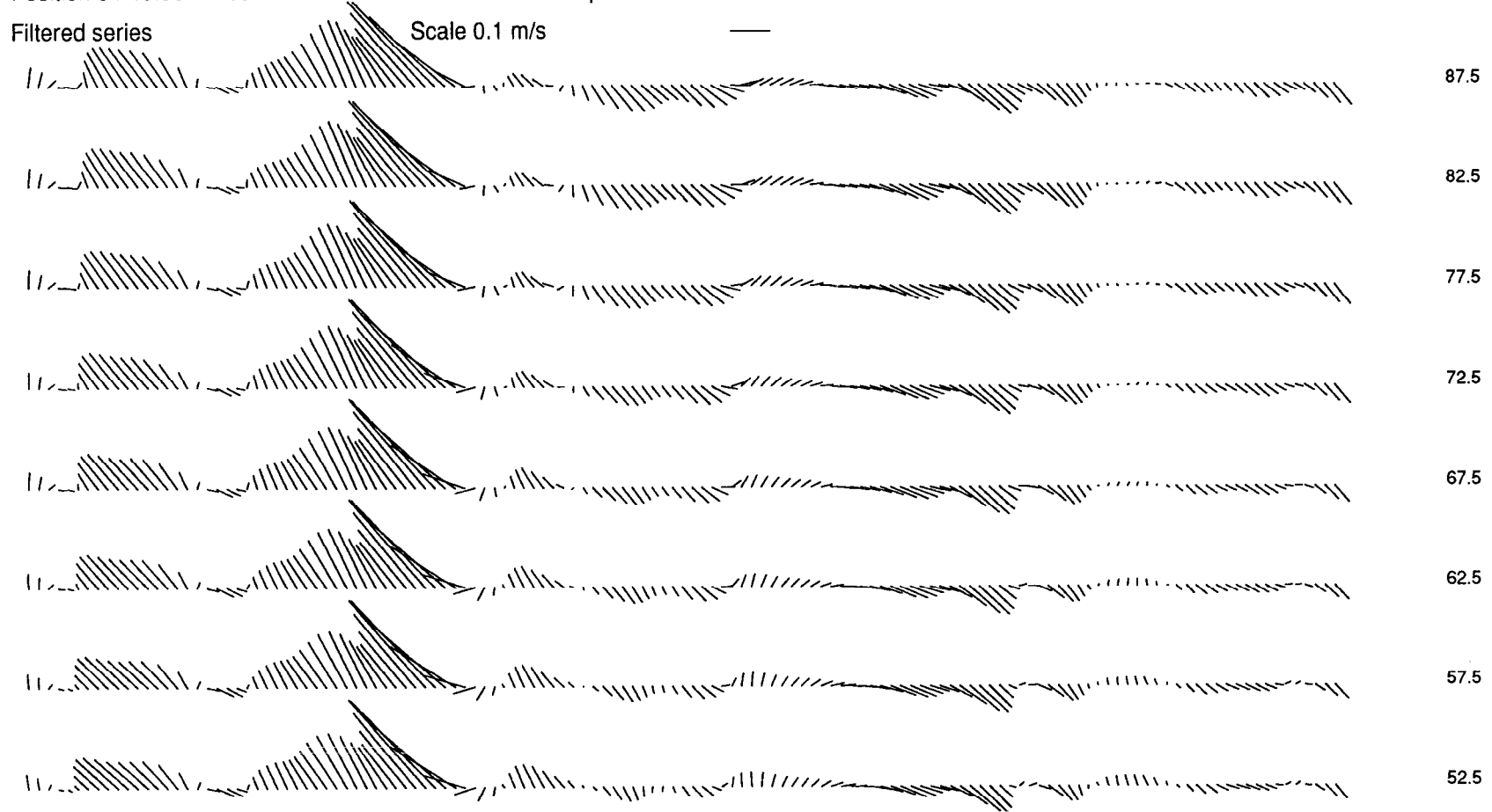
Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



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

93 93
Sep Oct

STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

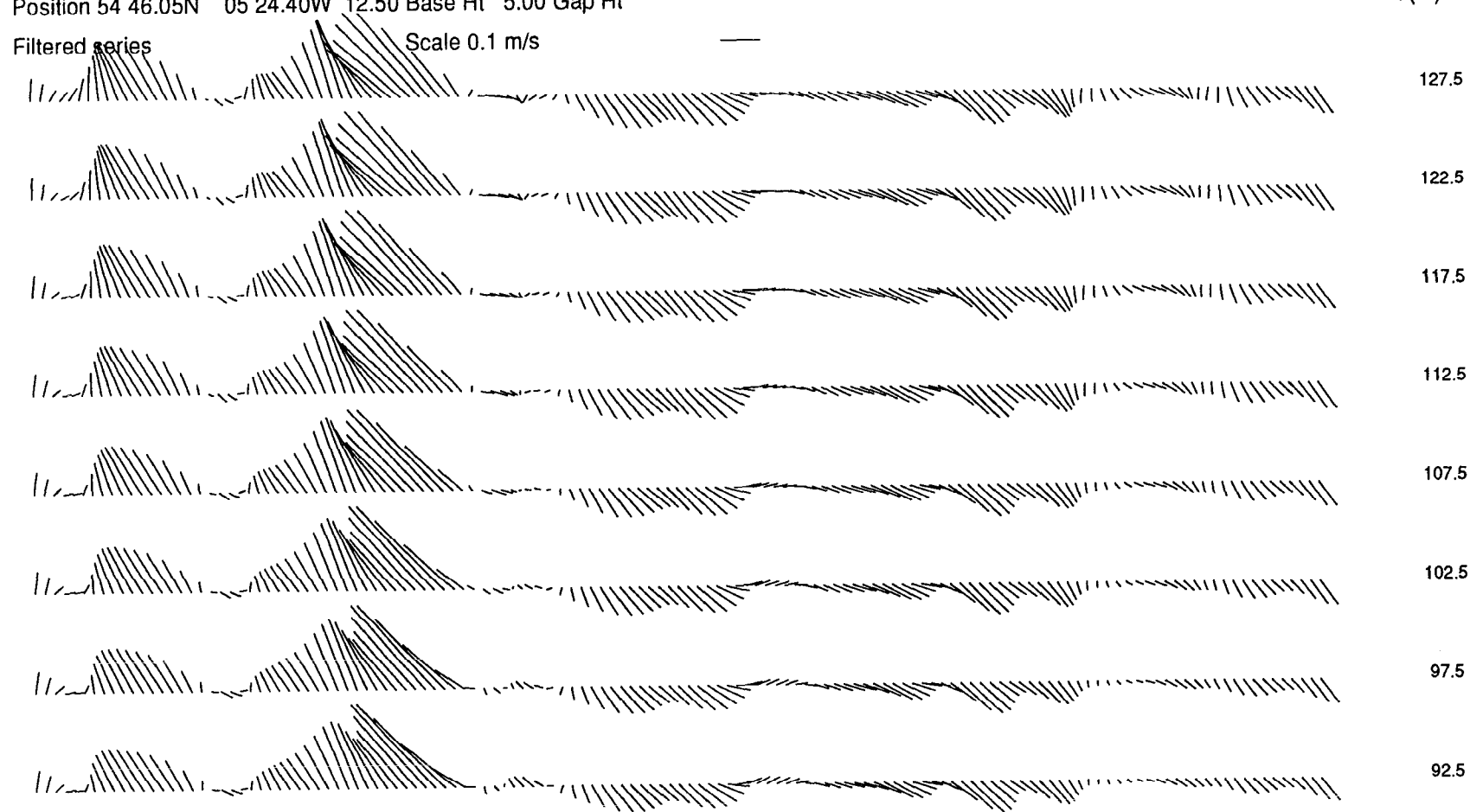
Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



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

93 93
Sep Oct

Statistics for bb1148.00574

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.022	-52.1	0.2594	-36.0	0.0081	54.0
2	17.5	0.020	-53.9	0.2941	-35.8	0.0095	54.2
3	22.5	0.020	-47.7	0.3164	-35.4	0.0087	54.6
4	27.5	0.020	-41.2	0.3362	-35.1	0.0078	54.9
5	32.5	0.020	-35.4	0.3530	-34.9	0.0069	55.1
6	37.5	0.020	-28.4	0.3677	-34.7	0.0059	55.3
7	42.5	0.019	-22.4	0.3810	-34.6	0.0051	55.4
8	47.5	0.018	-17.4	0.3937	-34.5	0.0043	55.5
9	52.5	0.017	-11.0	0.4047	-34.5	0.0036	55.5
10	57.5	0.016	-5.0	0.4151	-34.5	0.0031	55.5
11	62.5	0.015	2.3	0.4257	-34.5	0.0026	55.5
12	67.5	0.014	11.4	0.4344	-34.6	0.0023	55.4
13	72.5	0.014	20.1	0.4433	-34.7	0.0020	55.3
14	77.5	0.013	29.8	0.4516	-34.8	0.0019	55.2
15	82.5	0.013	36.5	0.4581	-34.9	0.0019	55.1
16	87.5	0.014	40.1	0.4641	-35.0	0.0019	55.0
17	92.5	0.014	44.3	0.4703	-35.1	0.0019	54.9
18	97.5	0.014	47.7	0.4761	-35.2	0.0020	54.8
19	102.5	0.014	50.6	0.4811	-35.3	0.0022	54.7
20	107.5	0.015	54.4	0.4855	-35.4	0.0025	54.6
21	112.5	0.014	58.0	0.4882	-35.5	0.0026	54.5
22	117.5	0.015	61.5	0.4902	-35.5	0.0029	54.5
23	122.5	0.014	62.7	0.4921	-35.6	0.0031	54.4
24	127.5	0.014	65.1	0.4942	-35.6	0.0035	54.4

Statistics for bb1148.00574

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.027	-48.9	0.0032	-49.5	0.0002	40.5
2	17.5	0.027	-50.5	0.0039	-50.7	0.0003	39.3
3	22.5	0.027	-45.9	0.0042	-49.9	0.0003	40.1
4	27.5	0.027	-41.4	0.0045	-49.3	0.0003	40.7
5	32.5	0.026	-37.0	0.0047	-48.8	0.0002	41.2
6	37.5	0.026	-32.2	0.0050	-47.6	0.0002	42.4
7	42.5	0.025	-28.3	0.0051	-46.4	0.0002	43.6
8	47.5	0.024	-24.9	0.0053	-45.7	0.0002	44.3
9	52.5	0.022	-20.6	0.0055	-45.1	0.0003	44.9
10	57.5	0.021	-17.2	0.0057	-44.5	0.0003	45.5
11	62.5	0.019	-12.1	0.0060	-43.8	0.0003	46.2
12	67.5	0.017	-6.0	0.0062	-43.6	0.0002	46.4
13	72.5	0.016	0.6	0.0064	-43.1	0.0003	46.9
14	77.5	0.014	8.8	0.0065	-42.6	0.0003	47.4
15	82.5	0.013	15.1	0.0067	-41.9	0.0003	48.1
16	87.5	0.013	19.7	0.0070	-41.7	0.0003	48.3
17	92.5	0.013	24.8	0.0073	-40.7	0.0003	49.3
18	97.5	0.013	29.0	0.0076	-40.0	0.0003	50.0
19	102.5	0.013	33.4	0.0079	-39.4	0.0003	50.6
20	107.5	0.013	38.7	0.0082	-39.3	0.0003	50.7
21	112.5	0.013	43.1	0.0085	-38.7	0.0003	51.3
22	117.5	0.013	47.8	0.0087	-38.3	0.0004	51.7
23	122.5	0.012	48.9	0.0089	-37.8	0.0004	52.2
24	127.5	0.012	50.5	0.0093	-37.9	0.0005	52.1

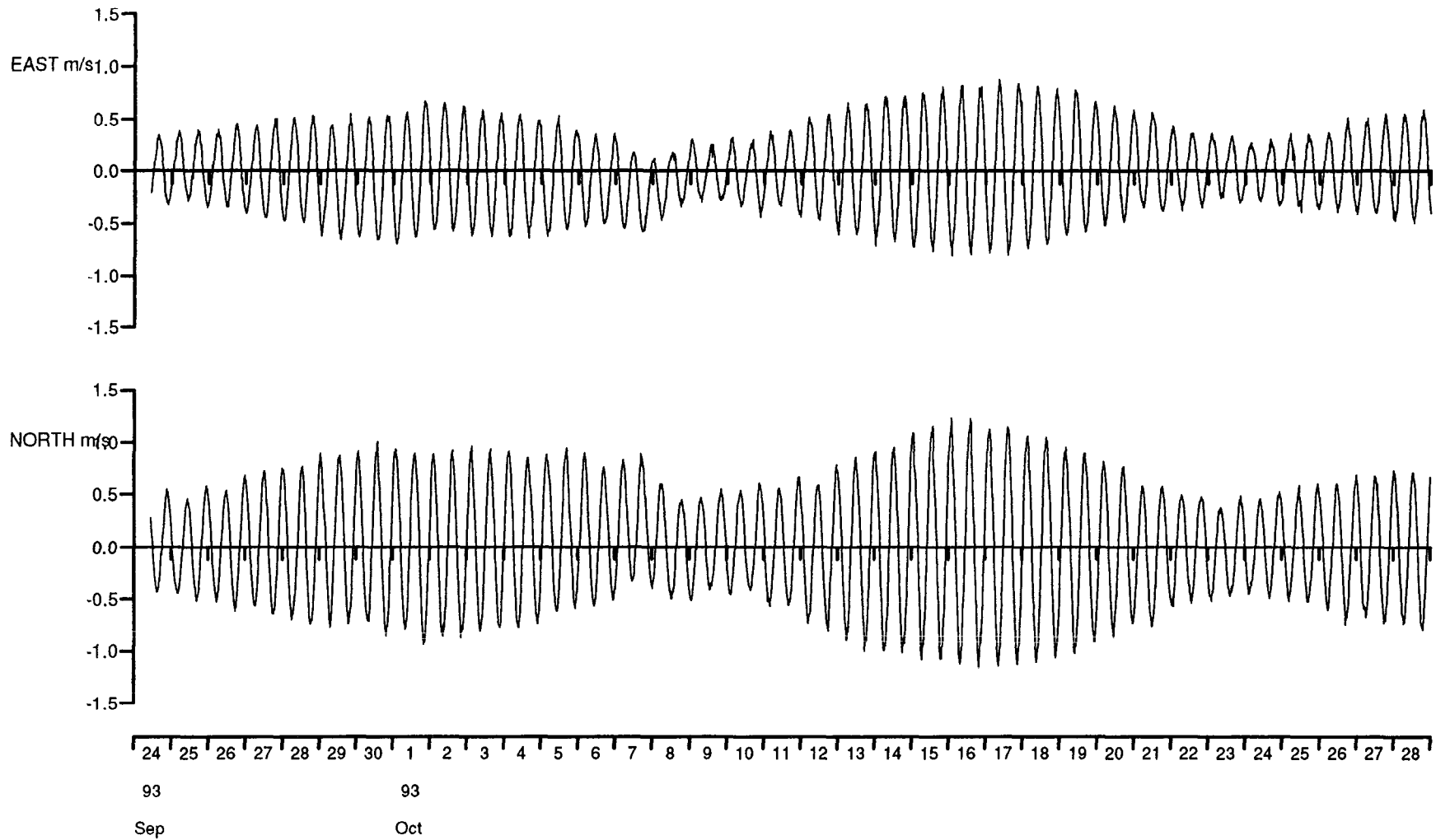
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



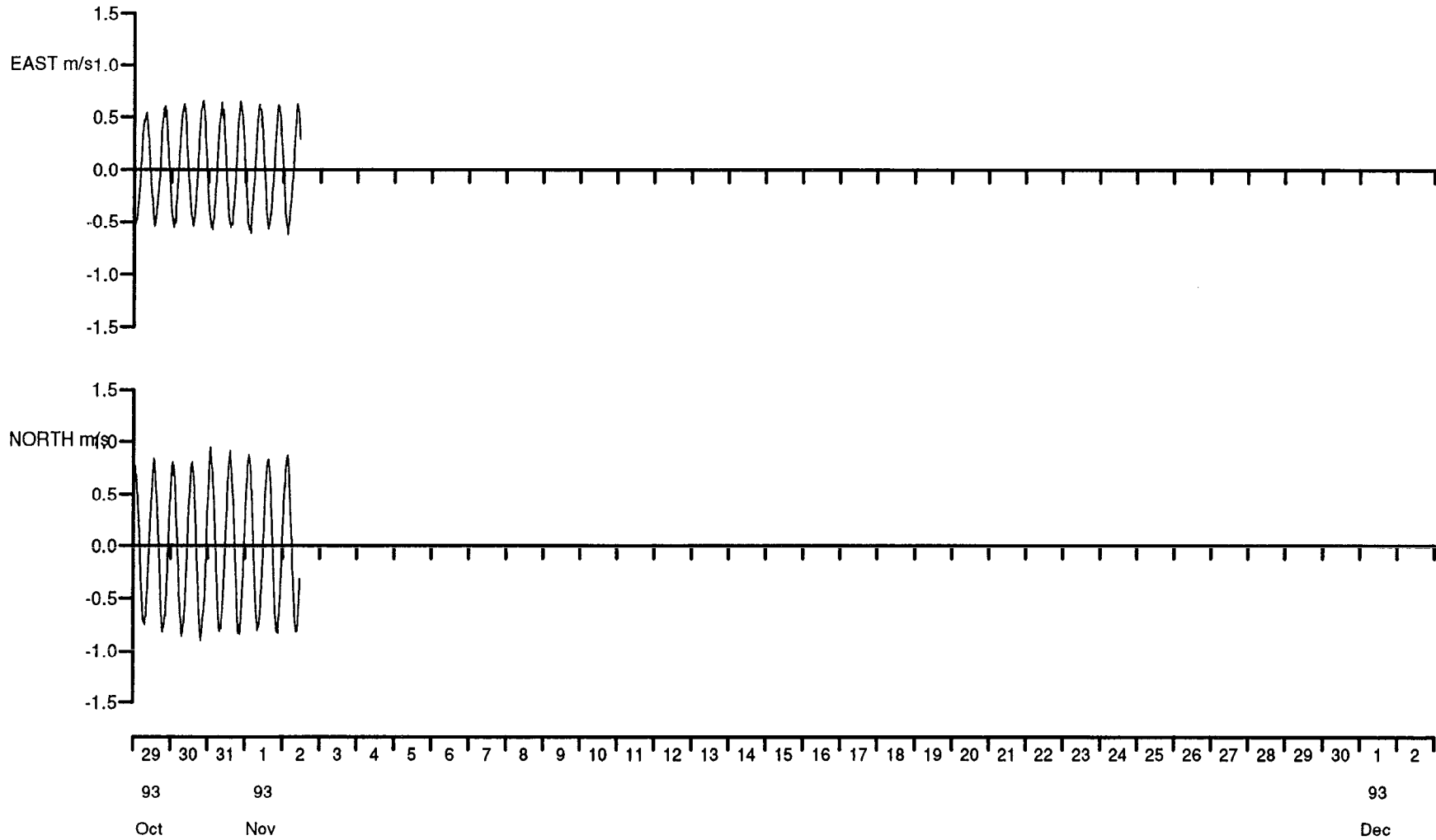
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



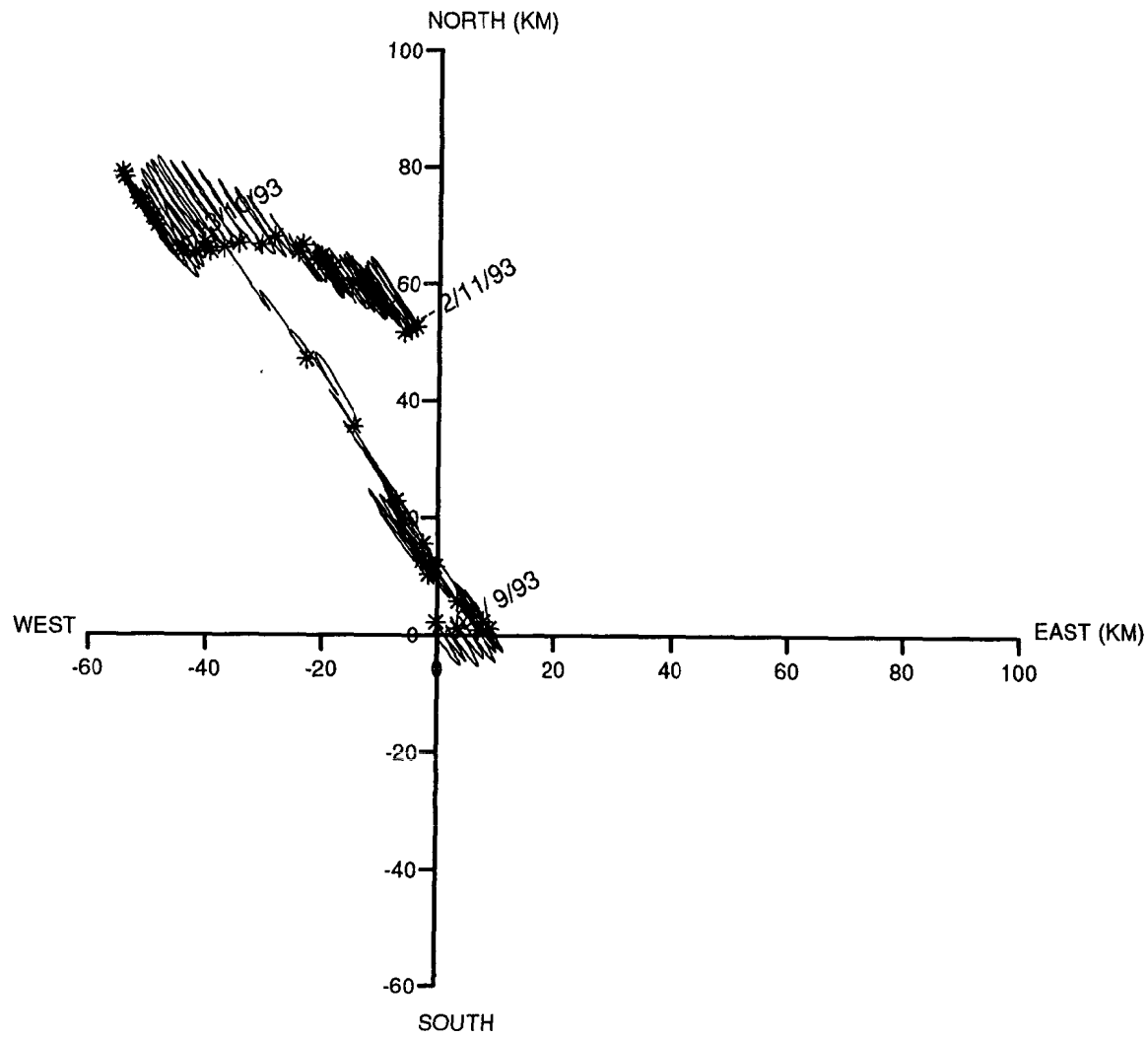
VECTOR PLOT

Meter no. 1148 Rig no. 00574 Depth of water(m) 143.0

Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00

Position 54 46.05N 05 24.40W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1148.00574s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	-0.0014	0.13504648E+00	0.36748672E+00
Northings	0.0159	0.28310502E+00	0.53207612E+00
Speed	0.5619	0.10256417E+00	0.32025641E+00
Vector mean speed	0.0160		
Vector Mean Direction	-5.0		

Maximum ten values

Eastings					Northings				
0.879	0.869	0.857	0.846	0.846	1.232	1.226	1.198	1.193	1.187
0.842	0.826	0.823	0.823	0.821	1.186	1.166	1.166	1.157	1.154

Minimum ten values

Eastings					Northings				
-0.763	-0.772	-0.775	-0.783	-0.787	-1.109	-1.114	-1.124	-1.125	-1.127
-0.788	-0.797	-0.800	-0.809	-0.813	-1.130	-1.130	-1.139	-1.148	-1.157

Maximum speeds

1.467	1.455	1.446	1.444	1.441	1.409	1.407	1.403	1.402	1.402
1.400	1.396	1.390	1.388	1.387	1.383	1.377	1.375	1.374	1.369
1.366	1.365	1.365	1.365	1.363	1.362	1.361	1.360	1.357	1.357
1.357	1.356	1.354	1.354	1.353	1.353	1.352	1.351	1.351	1.350
1.345	1.342	1.340	1.338	1.334	1.334	1.332	1.331	1.331	1.331
1.330	1.329	1.328	1.324	1.324	1.323	1.322	1.317	1.316	1.315
1.313	1.312	1.309	1.309	1.307	1.306	1.305	1.302	1.301	1.300
1.299	1.294	1.294	1.293	1.293	1.293	1.291	1.291	1.291	1.289
1.288	1.286	1.286	1.285	1.284	1.284	1.283	1.281	1.278	1.277
1.276	1.275	1.274	1.274	1.270	1.270	1.269	1.269	1.269	1.267

Variance ellipse statistics

Maximum variance	0.4151E+00	Direction	-34.5
Minimum variance	0.3084E-02	Direction	55.5
Total variance	0.4182E+00	Ratio of variances	0.7431E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			2.3
Average direction. maxdir +PI/2 to maxdir -PI/2			180.4

Statistics for bb1148.00574s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	-0.0061	0.29367208E-02	0.54191519E-01
Northings	0.0197	0.30231911E-02	0.54983553E-01
Speed	0.0574	0.30653693E-02	0.55365779E-01
Vector mean speed	0.0206		
Vector Mean Direction	-17.2		

Maximum ten values

Eastings					Northings				
0.075	0.072	0.068	0.066	0.065	0.220	0.219	0.186	0.177	0.144
0.063	0.056	0.056	0.055	0.054	0.142	0.137	0.136	0.119	0.117

Minimum ten values

Eastings					Northings				
-0.080	-0.082	-0.089	-0.108	-0.118	-0.033	-0.035	-0.036	-0.037	-0.038
-0.156	-0.164	-0.193	-0.203	-0.213	-0.039	-0.048	-0.055	-0.064	-0.068

Maximum speeds

0.306	0.293	0.269	0.243	0.195	0.185	0.160	0.154	0.152	0.142
0.137	0.136	0.128	0.118	0.116	0.113	0.112	0.108	0.104	0.101
0.101	0.101	0.098	0.098	0.096	0.089	0.083	0.082	0.080	0.079
0.079	0.074	0.073	0.071	0.068	0.065	0.063	0.061	0.060	0.059
0.058	0.057	0.056	0.052	0.051	0.050	0.049	0.049	0.048	0.048
0.048	0.048	0.047	0.047	0.045	0.045	0.045	0.044	0.043	0.043
0.042	0.042	0.042	0.040	0.039	0.039	0.037	0.037	0.037	0.037
0.036	0.036	0.036	0.035	0.035	0.034	0.034	0.034	0.034	0.033
0.033	0.032	0.032	0.032	0.031	0.031	0.031	0.030	0.029	0.029
0.029	0.029	0.028	0.027	0.027	0.027	0.027	0.027	0.026	0.024

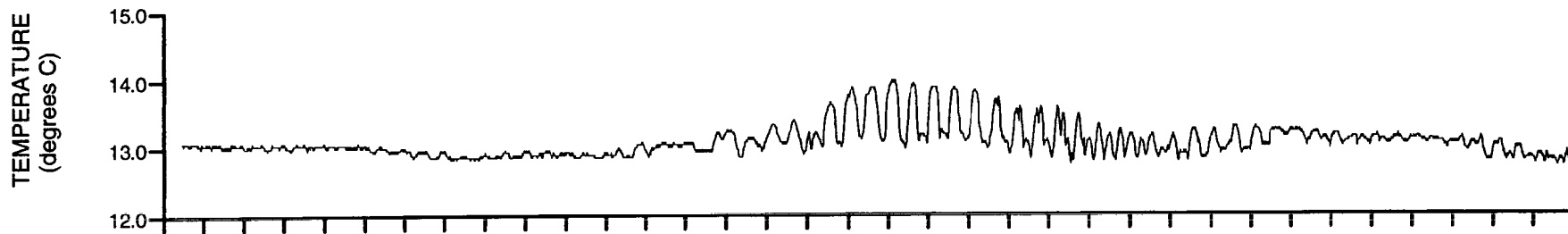
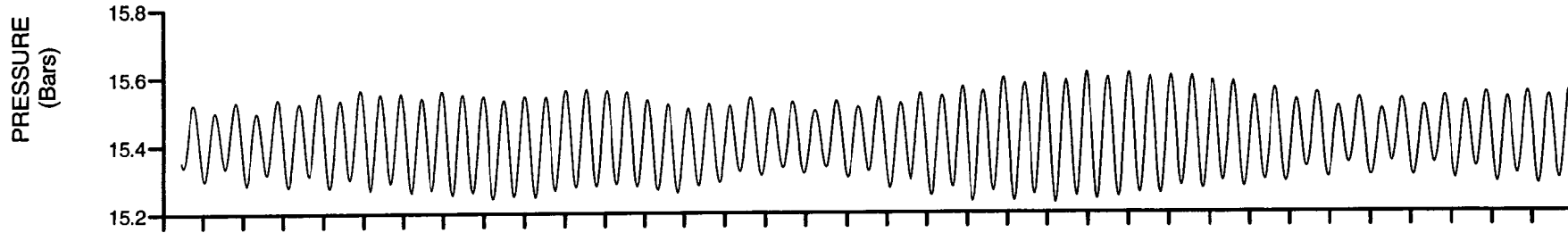
Variance ellipse statistics

Maximum variance	0.5700E-02	Direction	-44.5
Minimum variance	0.2597E-03	Direction	45.5
Total variance	0.5960E-02	Ratio of variances	0.4555E-01
Average direction. maxdir -PI/2 to maxdir +PI/2	20.2		
Average direction. maxdir +PI/2 to maxdir -PI/2	164.0		

Meter information details for 0444

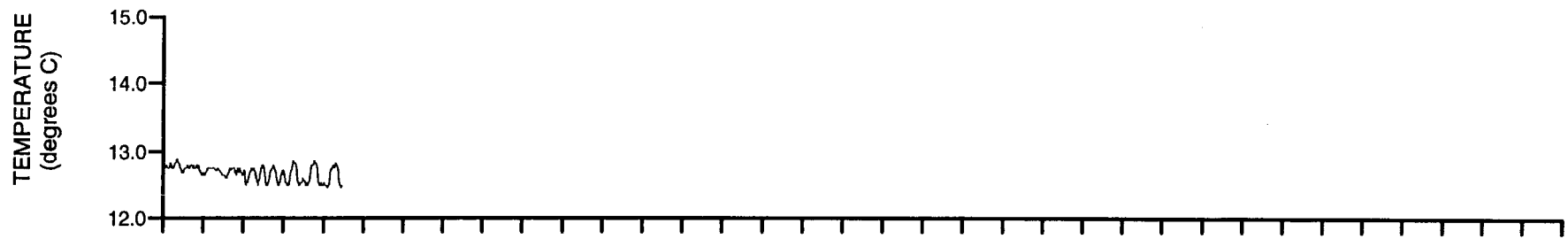
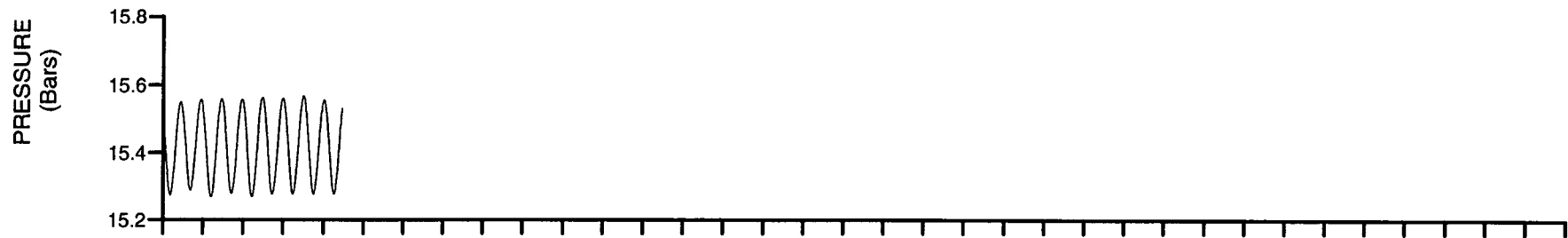
Rig No : 00574
Meter No : 0444
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Position of meter on rig : A
Meter type : WR
Meter started : 20-SEP-93 07:40:00
Meter stopped : 02-NOV-93 15:00:50
Period switched on : 43.3 days
Period of good data : 39.0 days
Total number of scans : 5619
Timing error : 50 seconds slow
Comments : Switch on time of 07:30 given and not
time of first scan
First scan assumed to be at 07:40

Meter no. 0444 Rig no. 00574 Depth of water(m) 143.0
Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00
Position 54 46.05N 05 24.40W Meter Height(m) 0.5



24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
93 93
Sep Oct

Meter no. 0444 Rig no. 00574 Depth of water(m) 143.0
Start/End 1993/09/24 AT 10:42:00 1993/11/02 AT 11:20:00
Position 54 46.05N 05 24.40W Meter Height(m) 0.5



29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2
93 93 93
Oct Nov Dec

Rig information details for 00592

Position Latitude	:	54 46.10N
Position Longitude	:	05 24.30W
Water depth	:	146.0 m
Deployed on cruise	:	C107
Recovered on cruise	:	L.FOYLE
Site name identification	:	EA3
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	02-NOV-93 20:50:00
Rig recovered on	:	11-JAN-94 15:30:00
Period of deployment	:	69.8 days
Comments	:	Launch and recovery successful

Meter information details for 1149

Rig No : 00592
Meter No : 1149
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 02-NOV-93 20:43:36
Meter stopped : 11-JAN-94 15:33:36
Period switched on : 69.8 days
Period of good data : 69.8 days
Total number of scans : 10048
Timing error : None
Comments : Good record obtained
Bin(24) - 1286 flagged errors
Bin(23) - 9 flagged errors
Bin(1) - 159 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

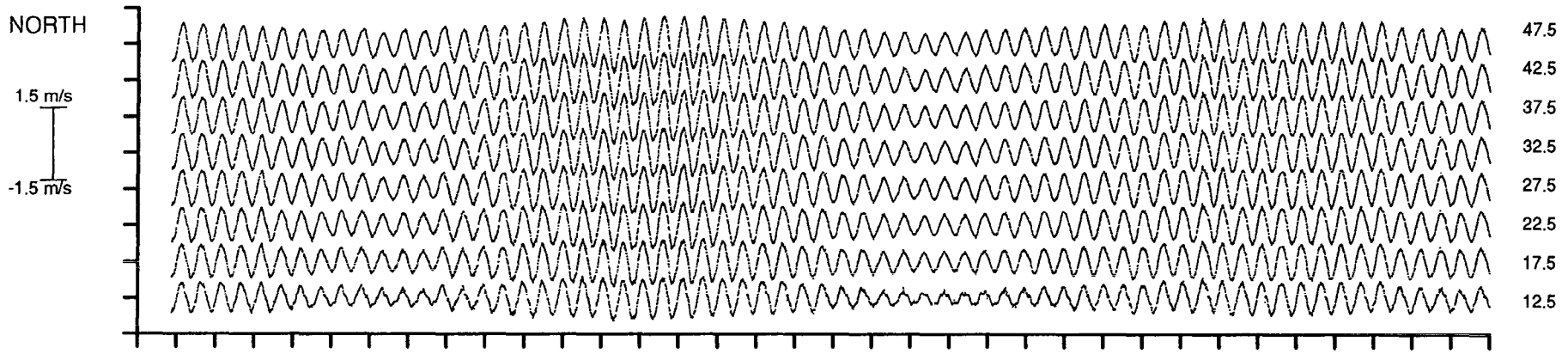
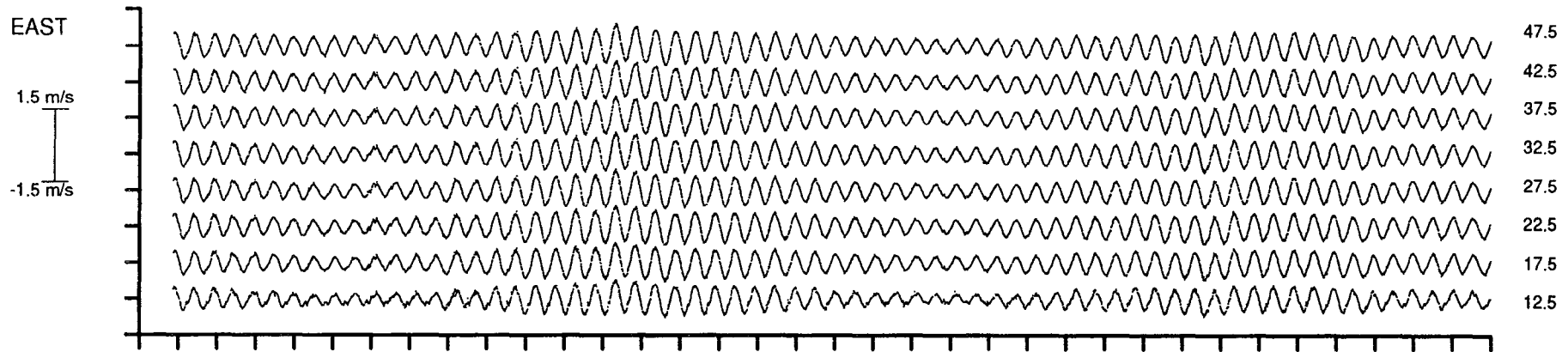
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93

93

Nov

Dec

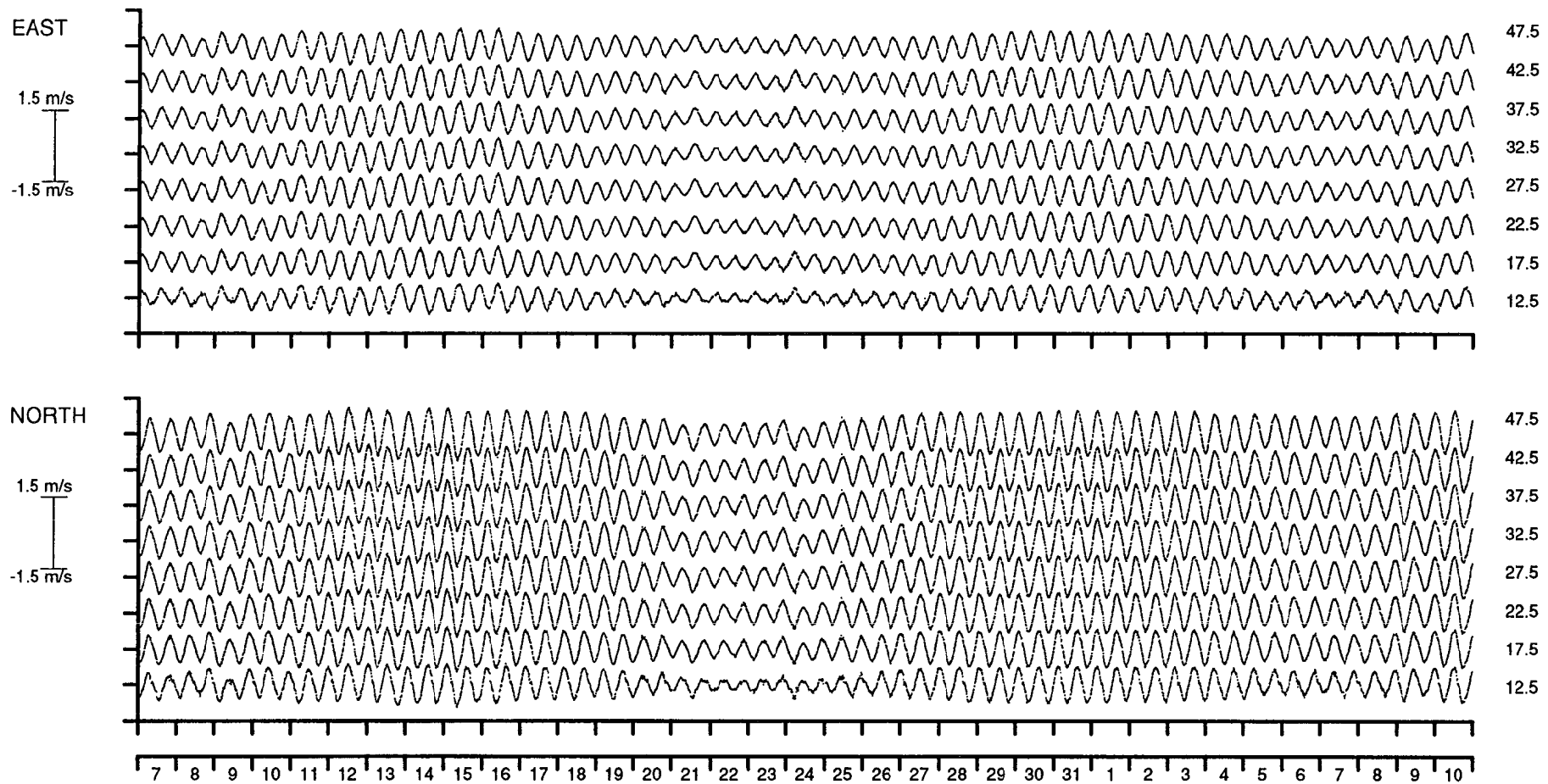
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Fig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



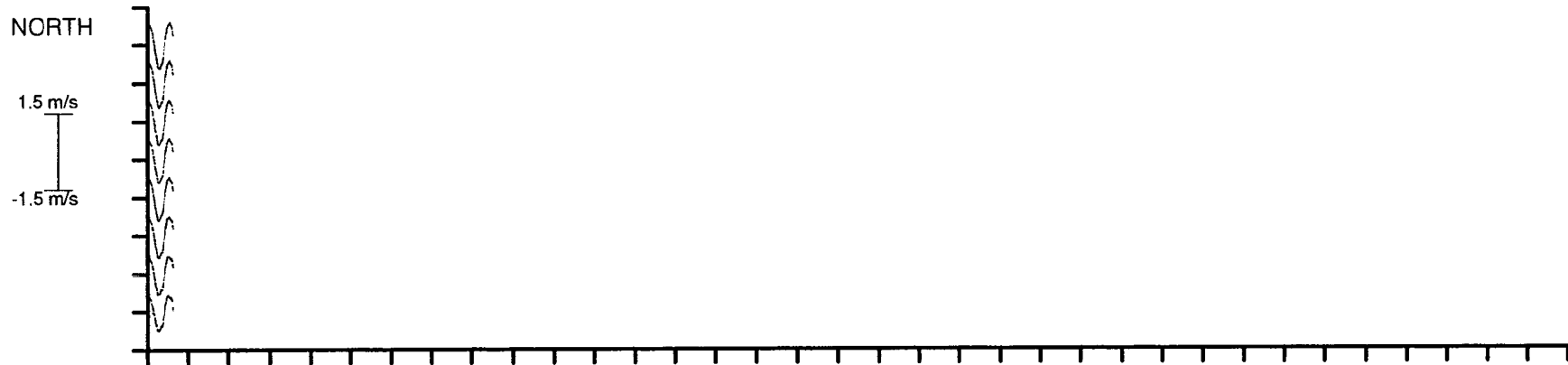
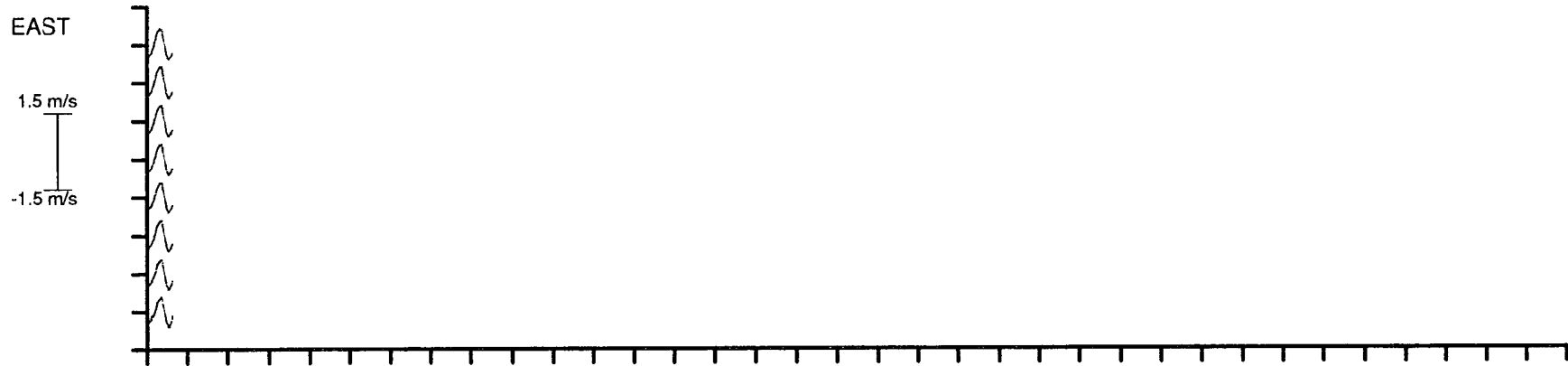
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94

94

Jan

Feb

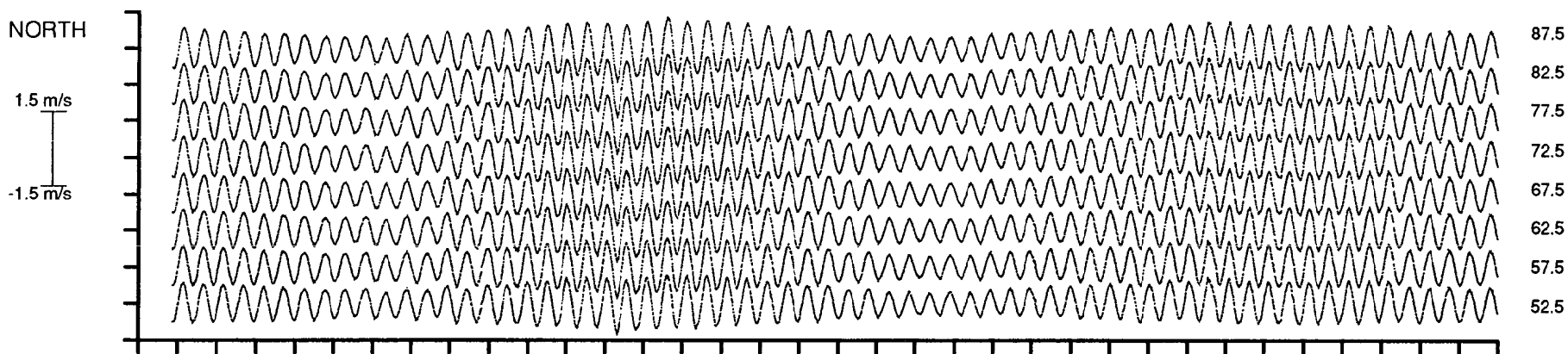
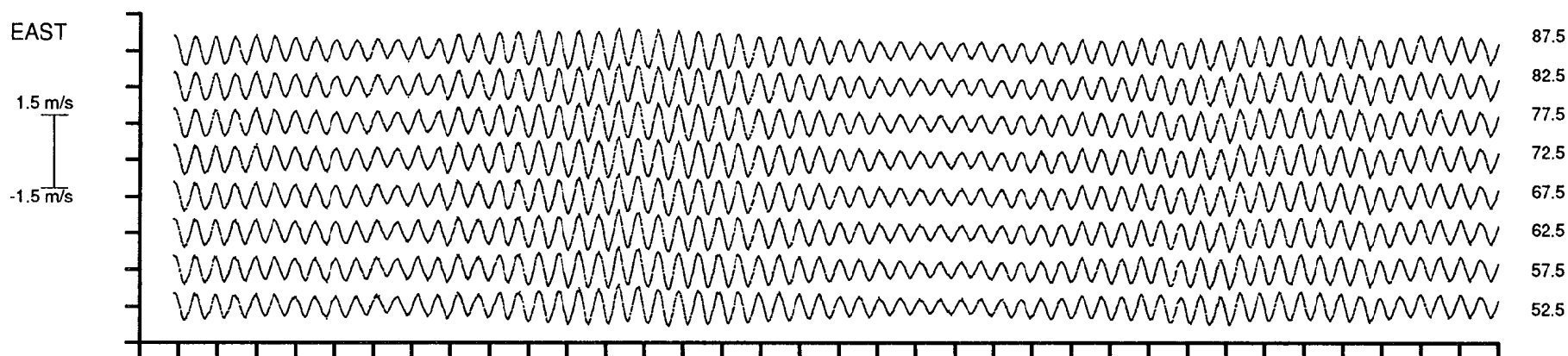
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93

93

Nov

Dec

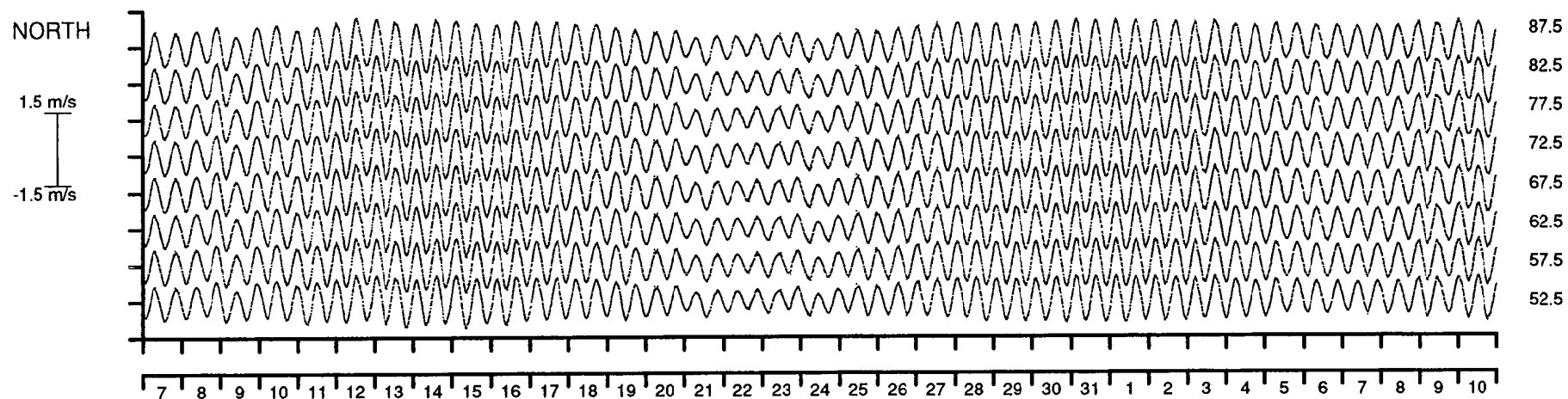
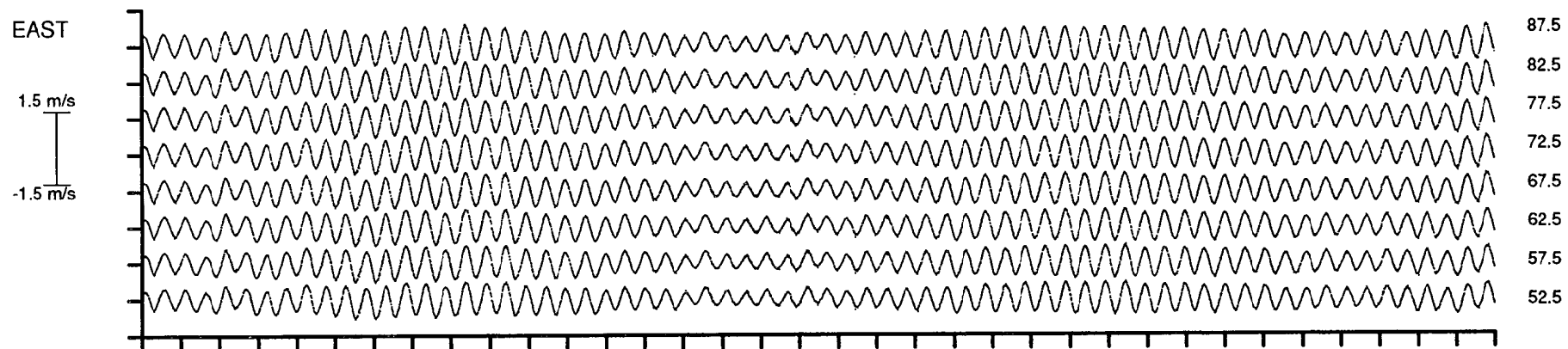
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



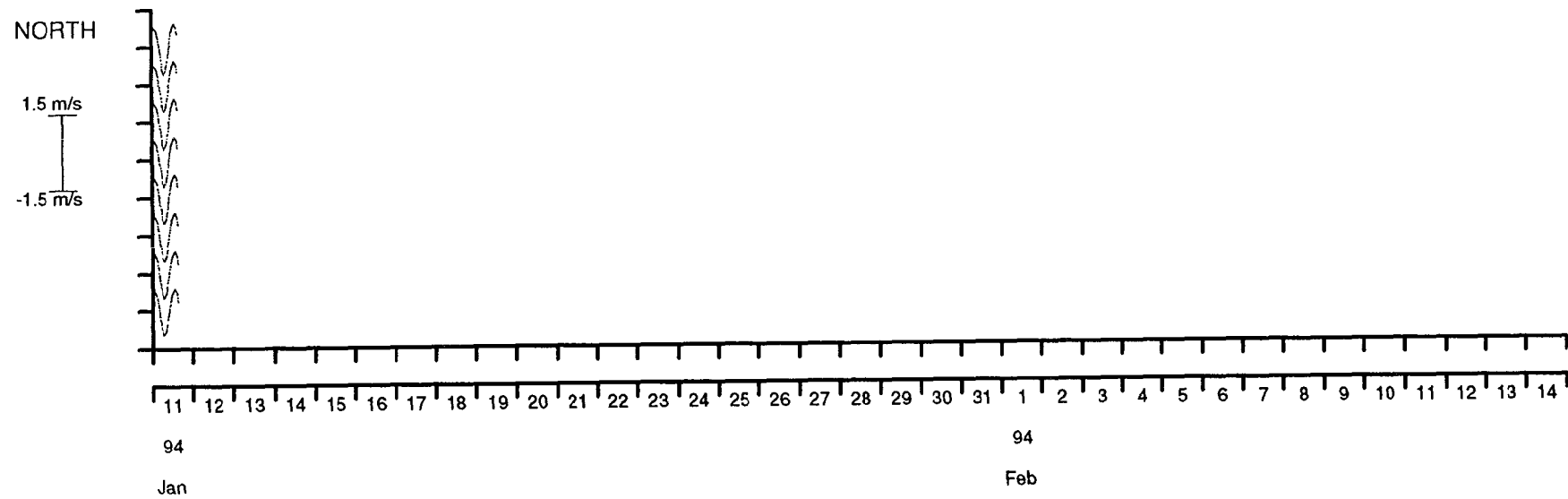
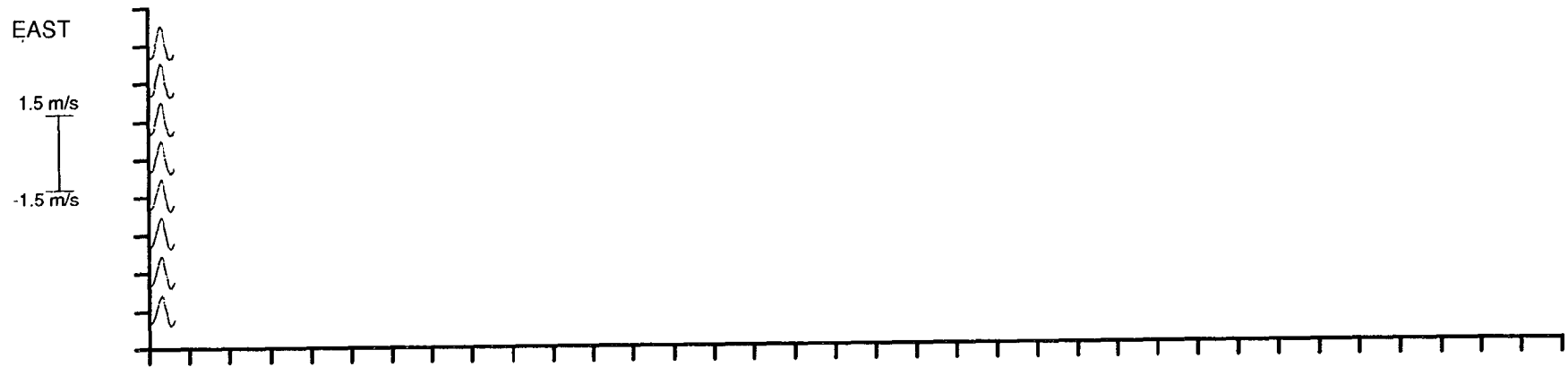
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



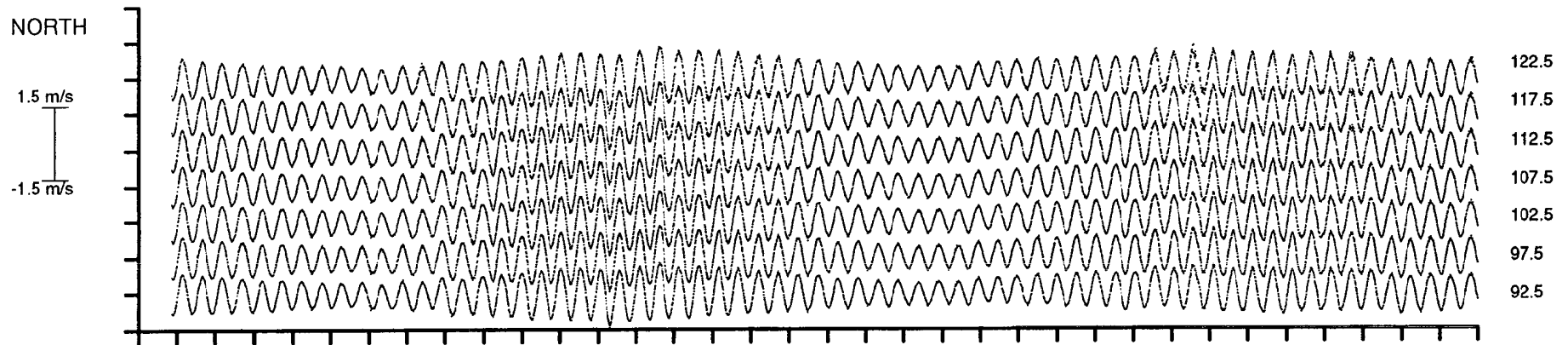
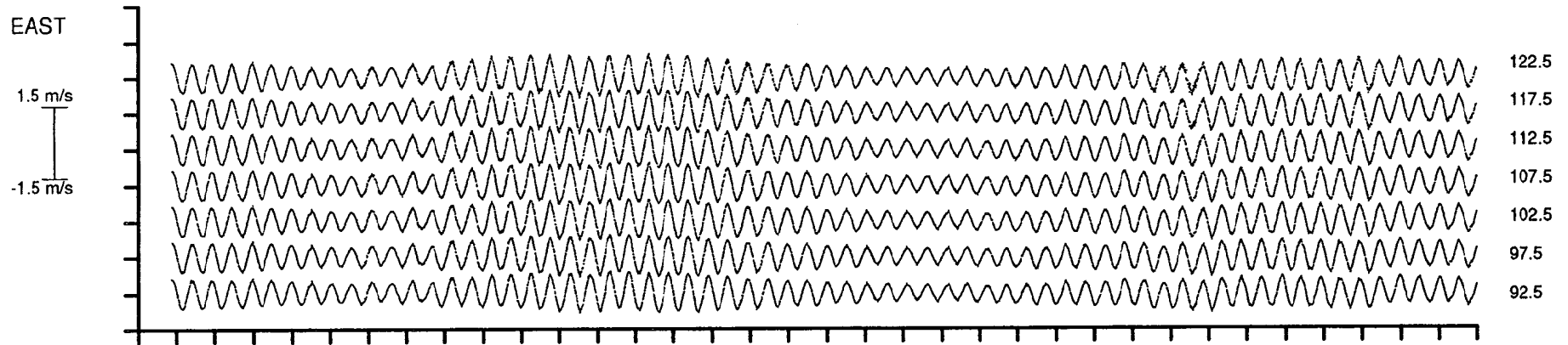
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93

93

Nov

Dec

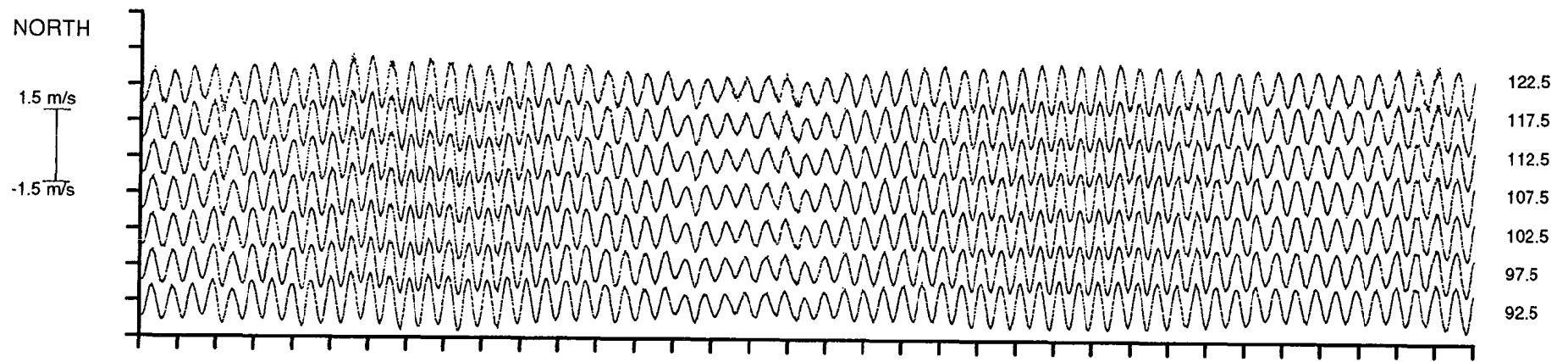
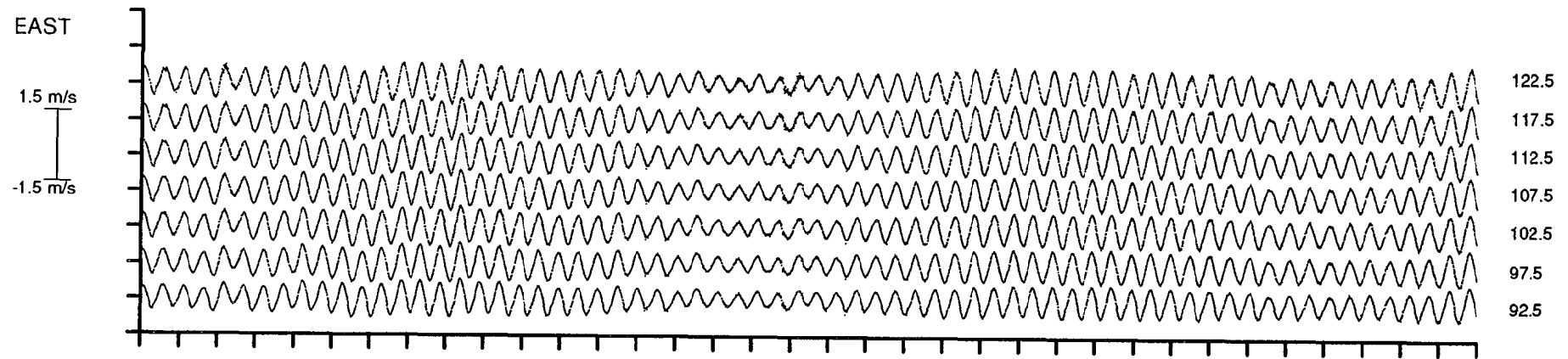
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

93

Dec

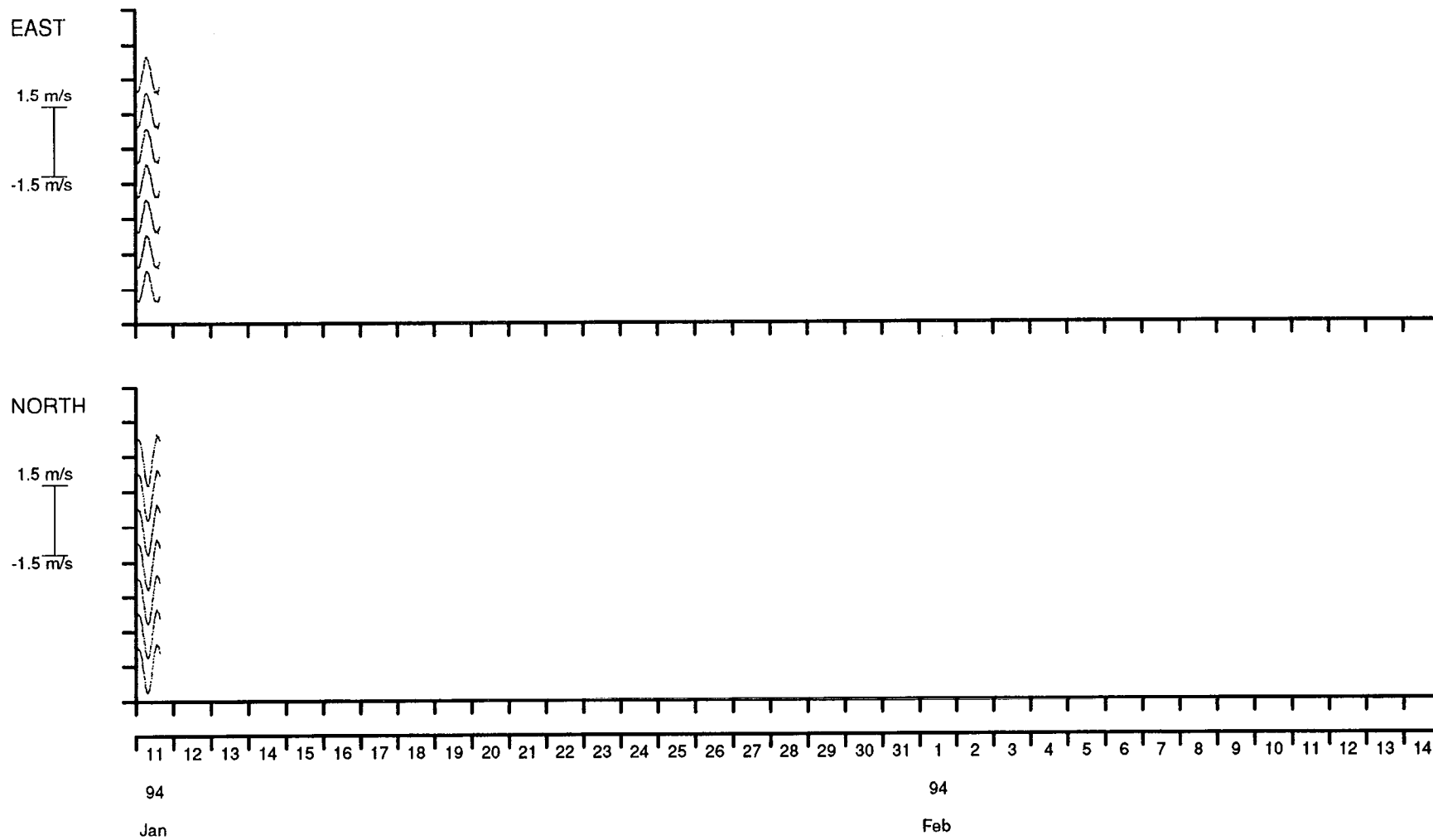
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

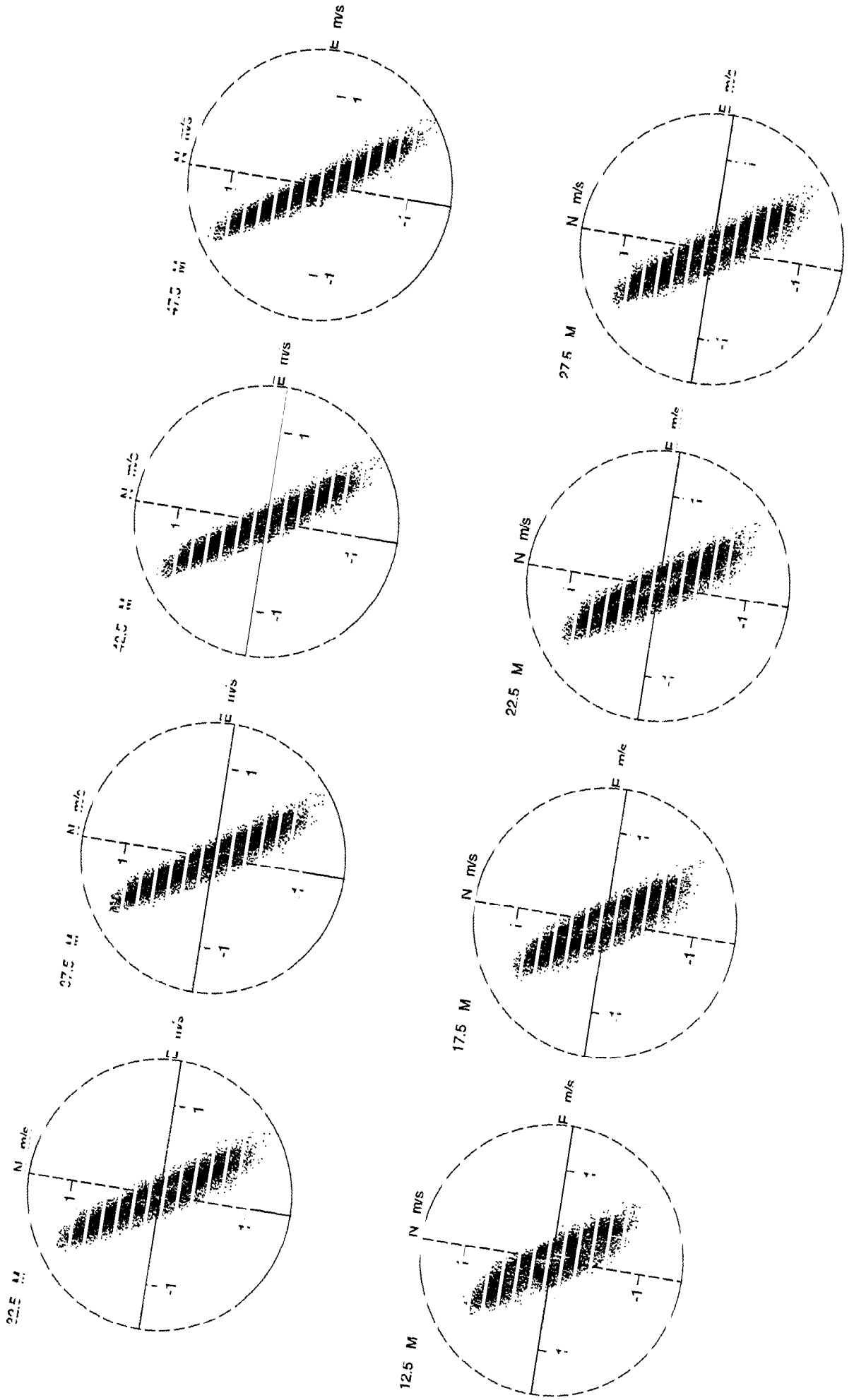
Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



SCATTER PLOT

Meter no. 1140 Fig no. 00502 Depth of water(m) 140.0
Start/End 1993/11/02 AT 20:30.00 1994/01/11 AT 15:30.00
Position 54 46.10N 05 24.30W 12.50 Base HI 5.00 Gap HI

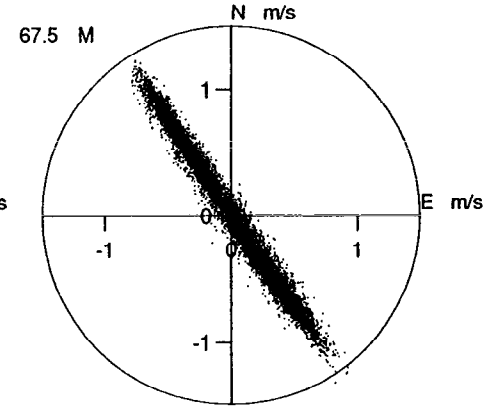
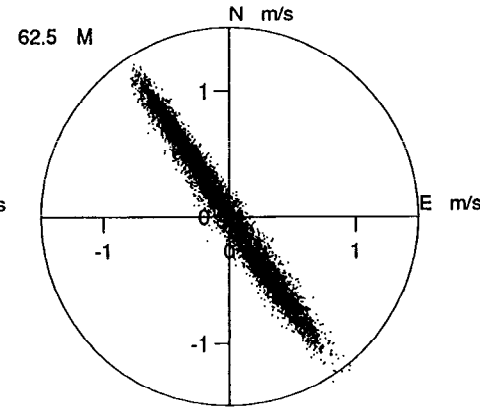
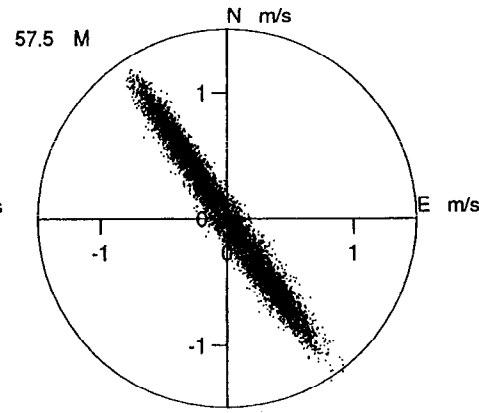
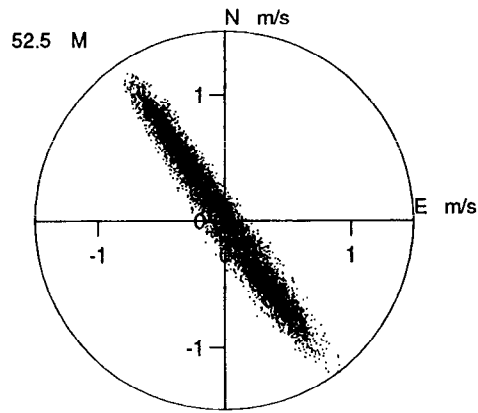
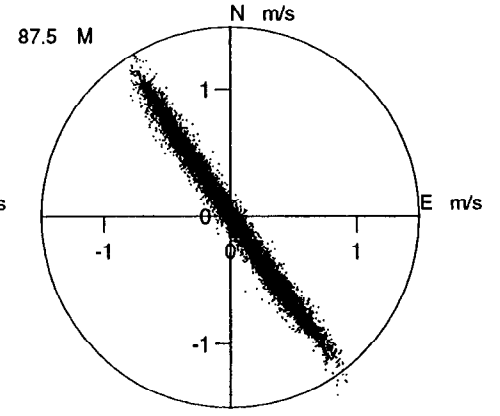
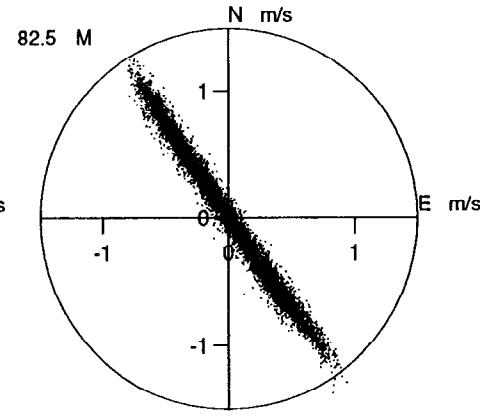
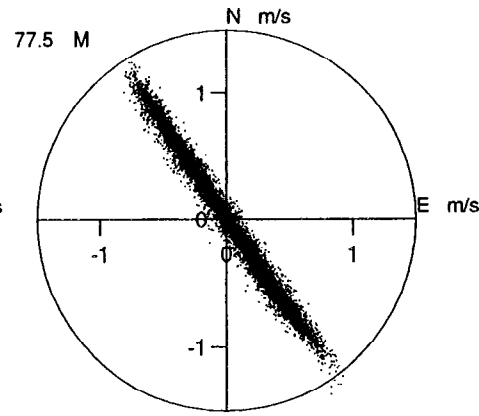
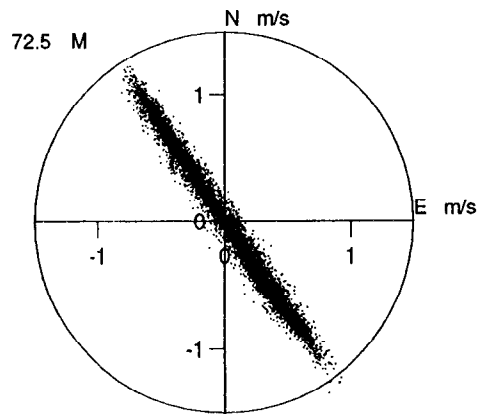


SCATTER PLOT

Meter no. 1149 Rlg no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

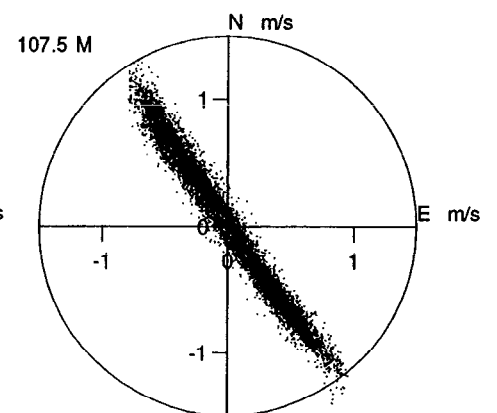
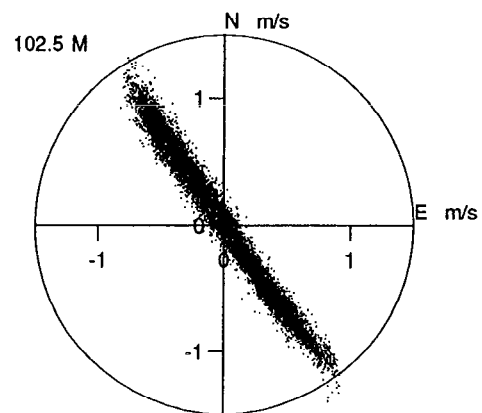
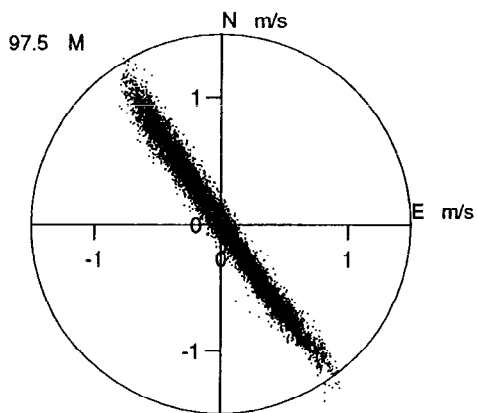
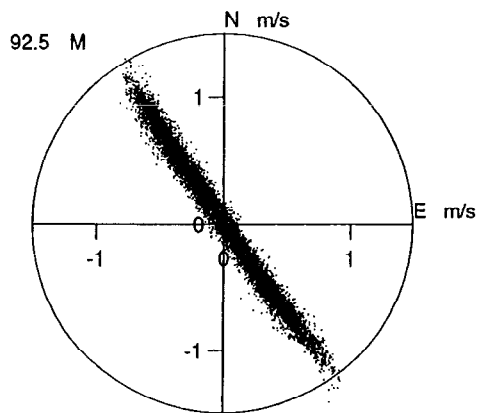
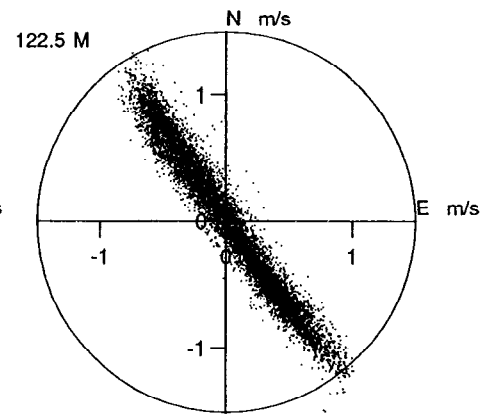
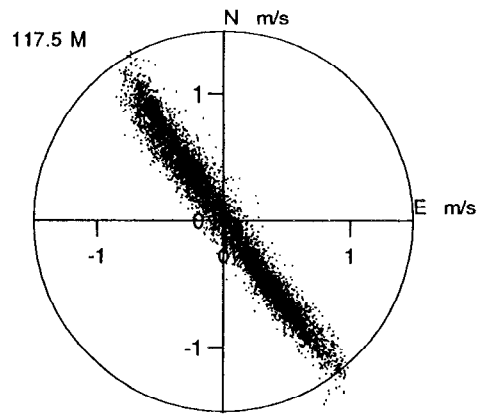
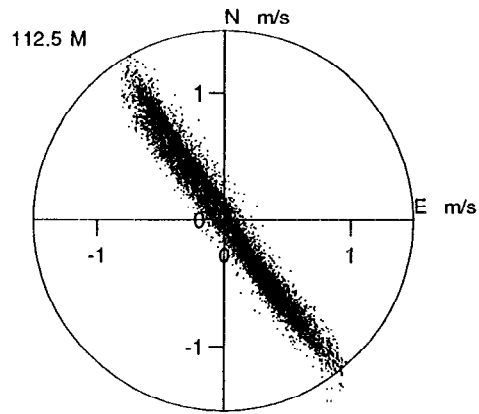


SCATTER PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

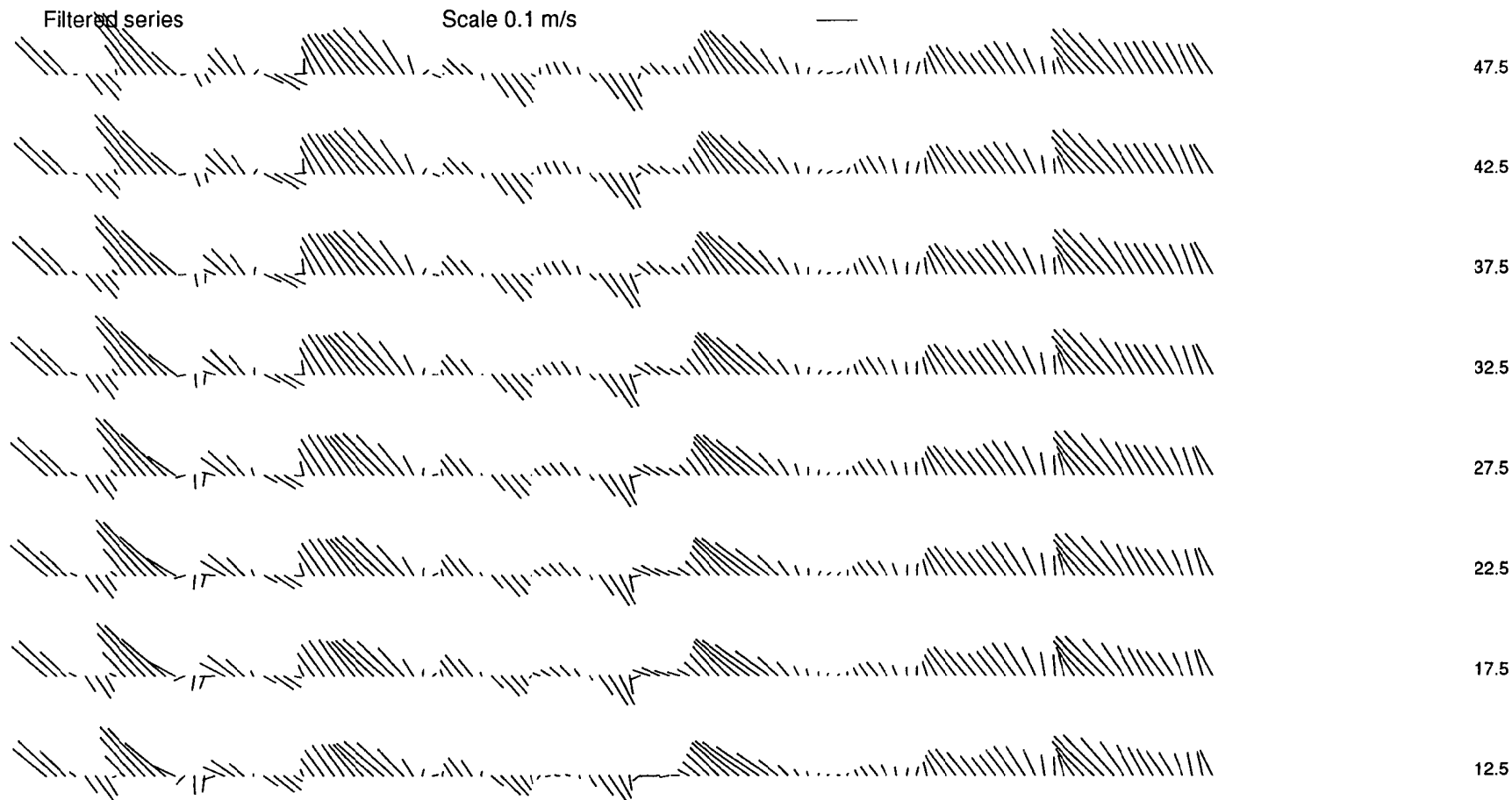
Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



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

93

Dec

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

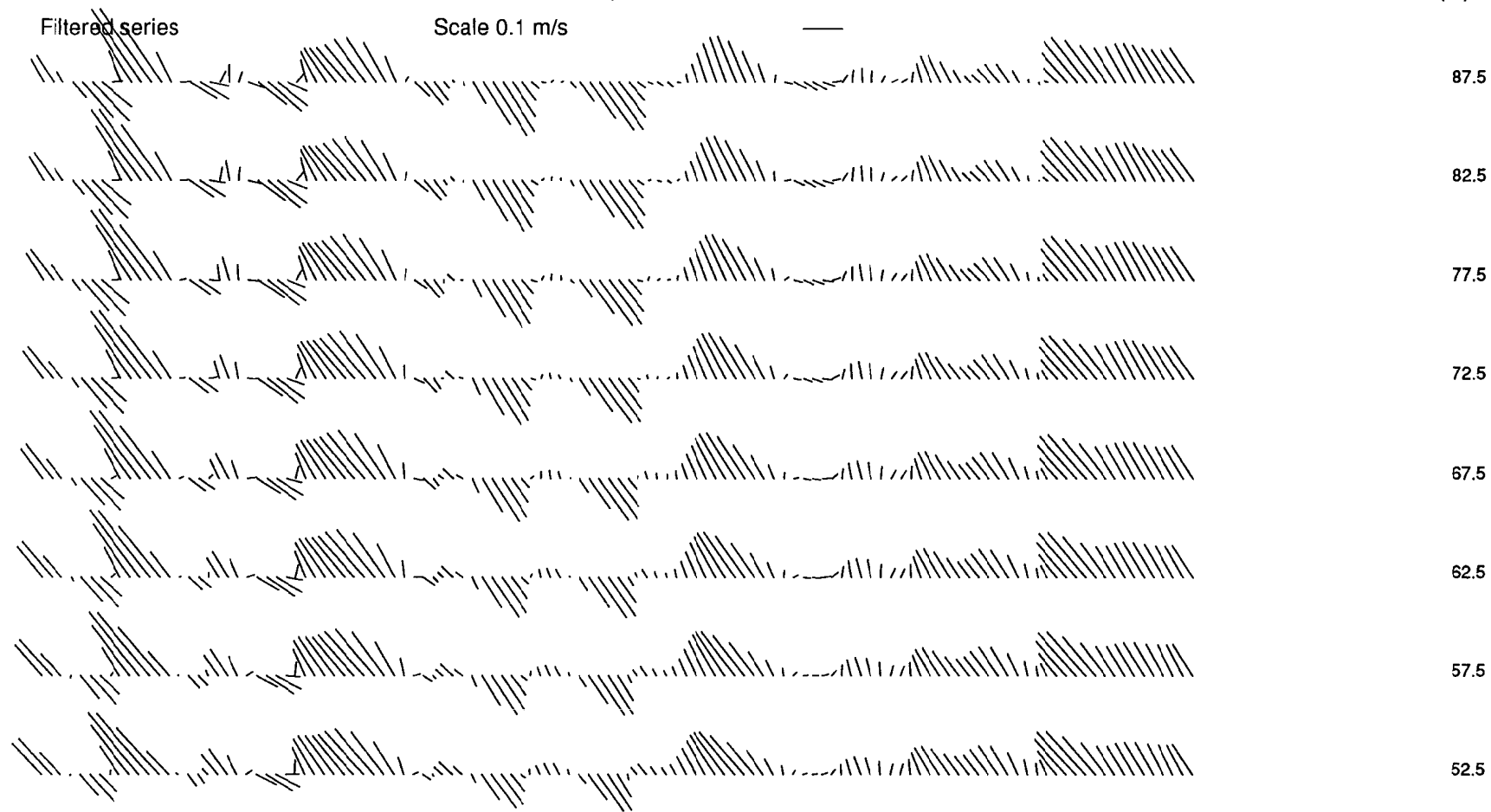
Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



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

93

Dec

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

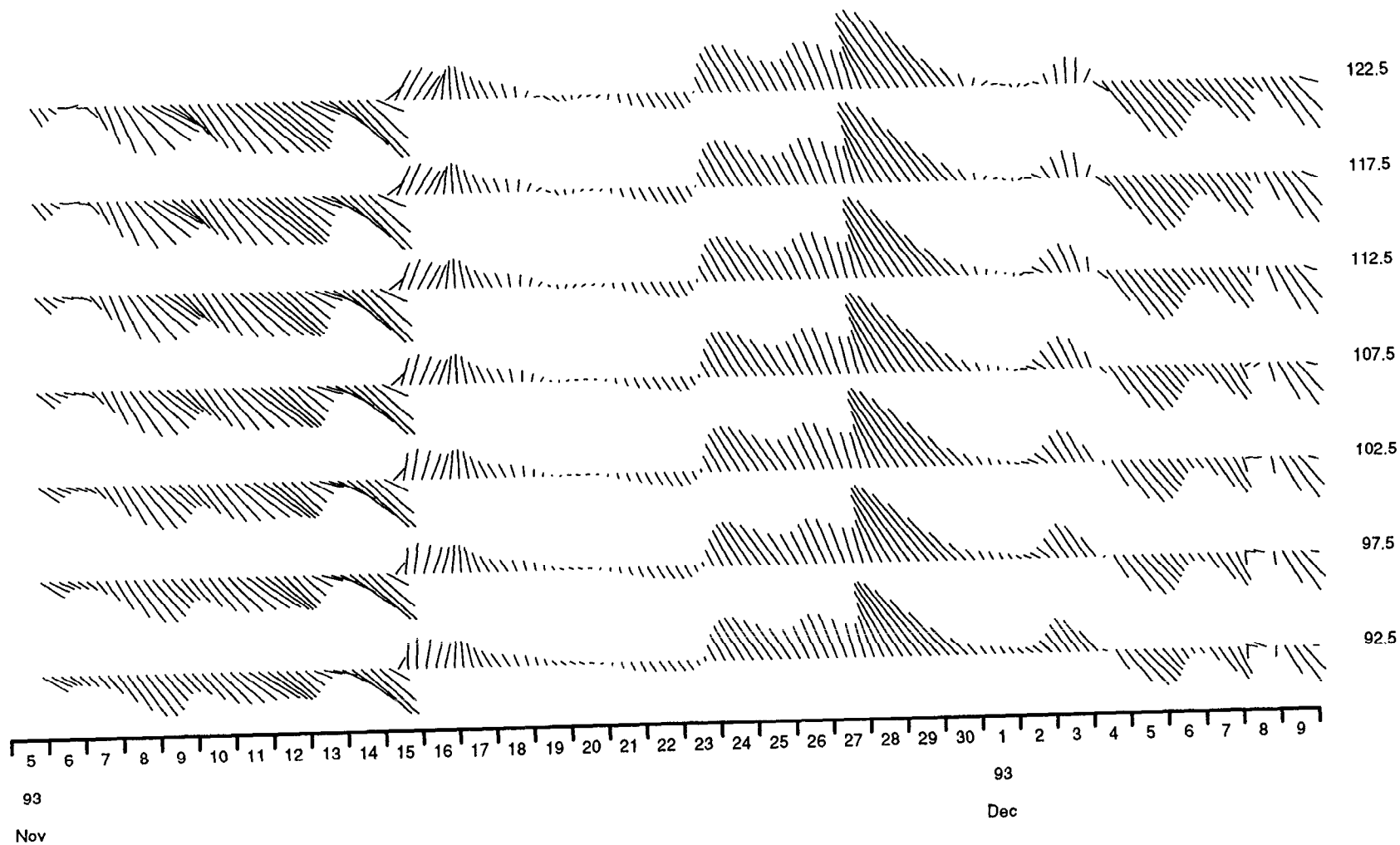
Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

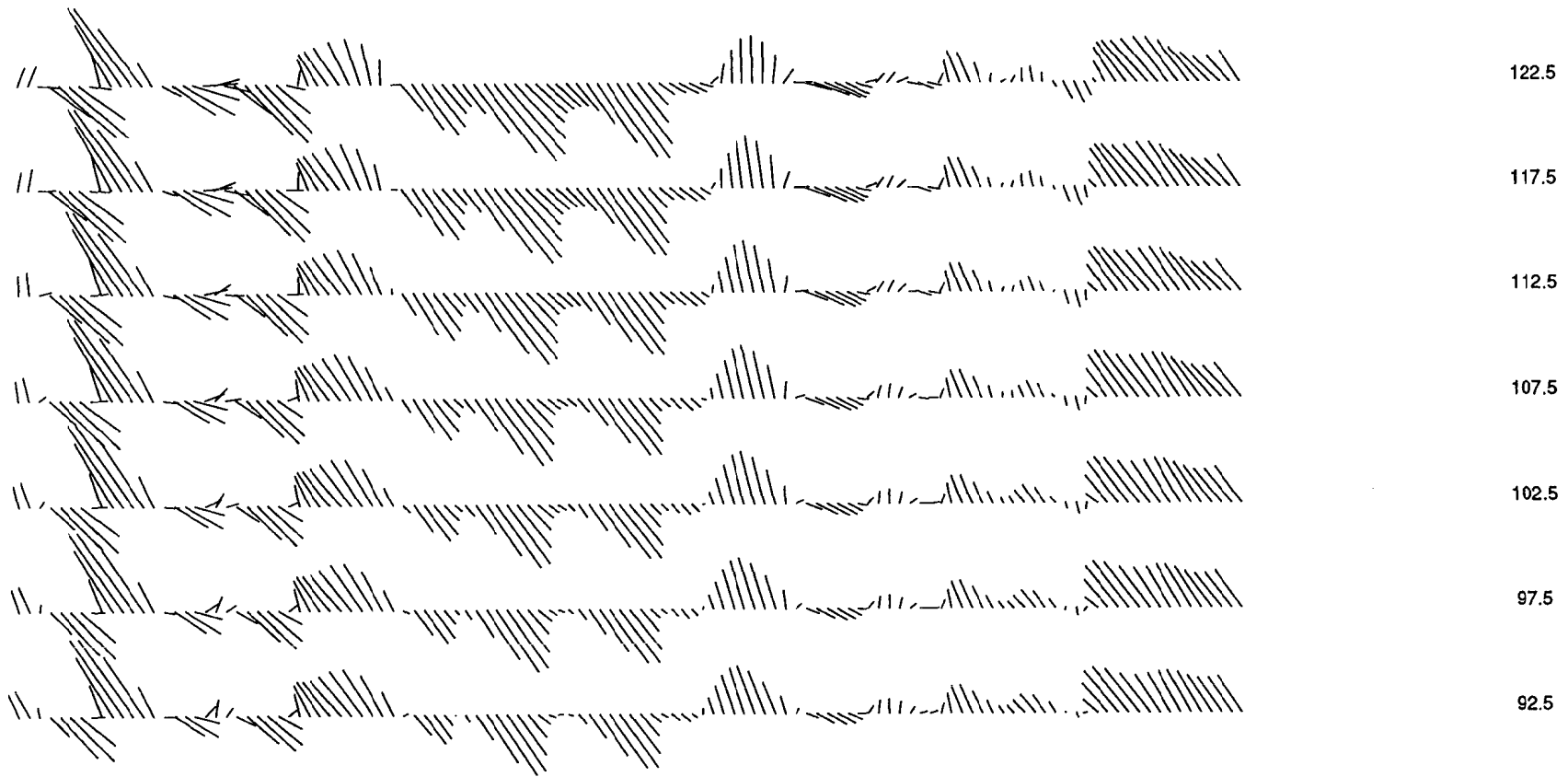
Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



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

Statistics for bb1149.00592

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.044	-41.9	0.2403	-34.6	0.0112	55.4
2	17.5	0.046	-41.9	0.2988	-34.3	0.0110	55.7
3	22.5	0.047	-39.5	0.3215	-33.9	0.0098	56.1
4	27.5	0.047	-37.6	0.3407	-33.6	0.0085	56.4
5	32.5	0.047	-34.7	0.3575	-33.4	0.0072	56.6
6	37.5	0.045	-32.6	0.3723	-33.3	0.0060	56.7
7	42.5	0.043	-30.7	0.3850	-33.3	0.0049	56.7
8	47.5	0.040	-28.7	0.3972	-33.3	0.0040	56.7
9	52.5	0.038	-26.5	0.4084	-33.4	0.0032	56.6
10	57.5	0.035	-24.9	0.4186	-33.5	0.0027	56.5
11	62.5	0.032	-23.1	0.4284	-33.6	0.0022	56.4
12	67.5	0.029	-20.9	0.4374	-33.8	0.0019	56.2
13	72.5	0.025	-17.8	0.4459	-33.9	0.0017	56.1
14	77.5	0.022	-13.6	0.4538	-34.1	0.0016	55.9
15	82.5	0.018	-8.1	0.4614	-34.2	0.0016	55.8
16	87.5	0.015	1.0	0.4692	-34.3	0.0017	55.7
17	92.5	0.012	14.5	0.4765	-34.5	0.0018	55.5
18	97.5	0.011	30.4	0.4825	-34.7	0.0021	55.3
19	102.5	0.011	50.7	0.4882	-34.8	0.0024	55.2
20	107.5	0.012	69.3	0.4931	-34.9	0.0028	55.1
21	112.5	0.016	87.8	0.4976	-35.1	0.0033	54.9
22	117.5	0.020	98.2	0.4988	-35.2	0.0038	54.8
23	122.5	0.026	104.7	0.4938	-35.3	0.0046	54.7

Statistics for bb1149.00592

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.041	-42.5	0.0030	-40.8	0.0003	49.2
2	17.5	0.046	-41.4	0.0029	-41.0	0.0003	49.0
3	22.5	0.046	-38.9	0.0031	-41.0	0.0003	49.0
4	27.5	0.047	-37.1	0.0033	-40.4	0.0003	49.6
5	32.5	0.046	-34.2	0.0036	-40.9	0.0002	49.1
6	37.5	0.045	-32.1	0.0038	-41.2	0.0002	48.8
7	42.5	0.042	-30.3	0.0041	-41.1	0.0002	48.9
8	47.5	0.040	-28.4	0.0045	-40.8	0.0002	49.2
9	52.5	0.038	-26.3	0.0048	-40.6	0.0001	49.4
10	57.5	0.035	-24.8	0.0051	-40.0	0.0001	50.0
11	62.5	0.033	-23.1	0.0054	-39.5	0.0001	50.5
12	67.5	0.029	-21.0	0.0057	-39.0	0.0001	51.0
13	72.5	0.025	-17.8	0.0062	-38.7	0.0002	51.3
14	77.5	0.022	-13.6	0.0065	-38.0	0.0002	52.0
15	82.5	0.019	-8.0	0.0069	-37.7	0.0002	52.3
16	87.5	0.016	0.5	0.0073	-37.4	0.0002	52.6
17	92.5	0.013	13.0	0.0078	-37.0	0.0002	53.0
18	97.5	0.011	28.1	0.0082	-36.8	0.0002	53.2
19	102.5	0.011	47.7	0.0088	-36.4	0.0003	53.6
20	107.5	0.013	66.5	0.0092	-36.4	0.0003	53.6
21	112.5	0.016	85.7	0.0099	-36.3	0.0003	53.7
22	117.5	0.021	97.2	0.0106	-36.3	0.0004	53.7
23	122.5	0.026	103.3	0.0111	-36.6	0.0004	53.4

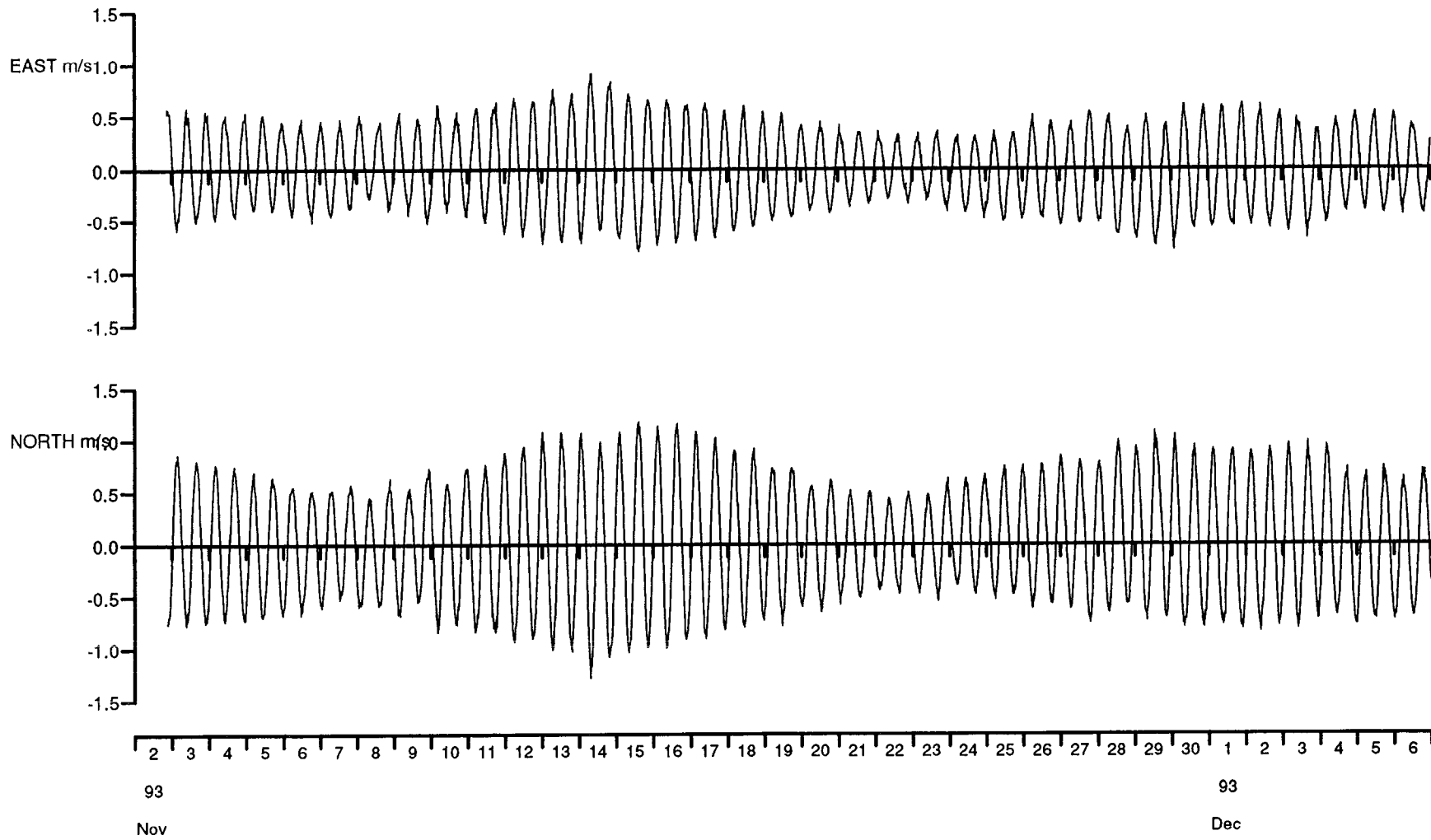
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



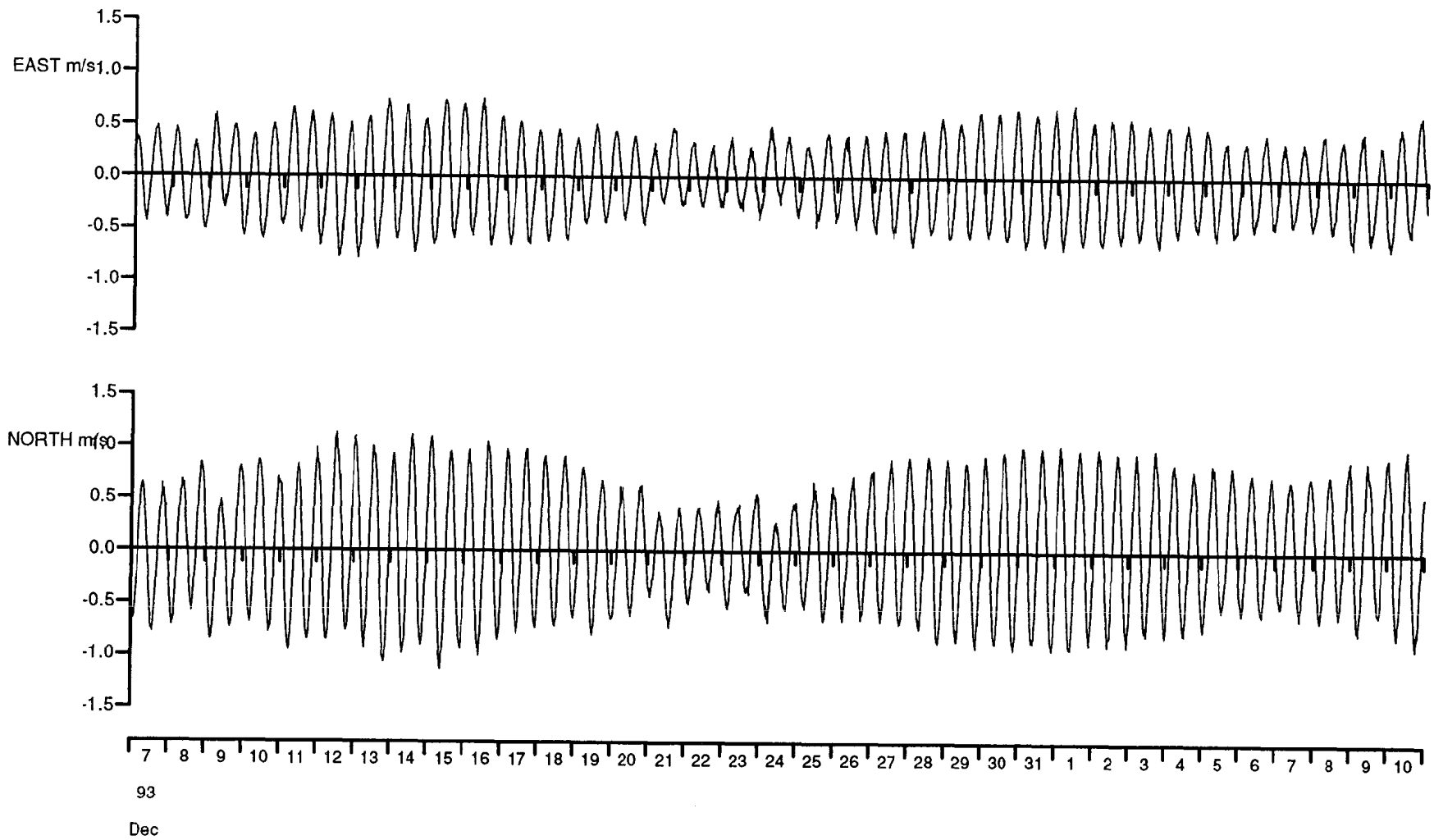
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



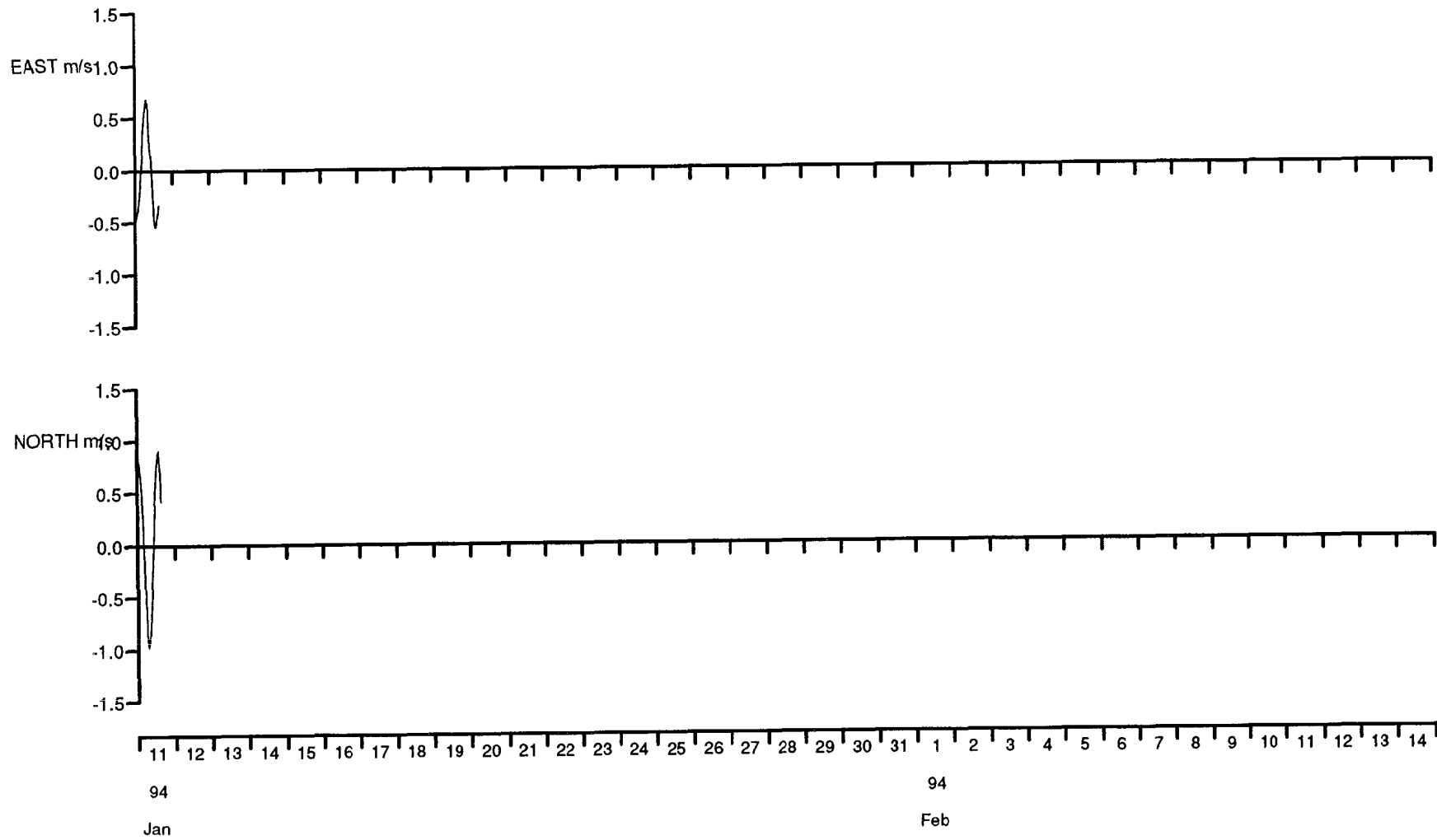
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



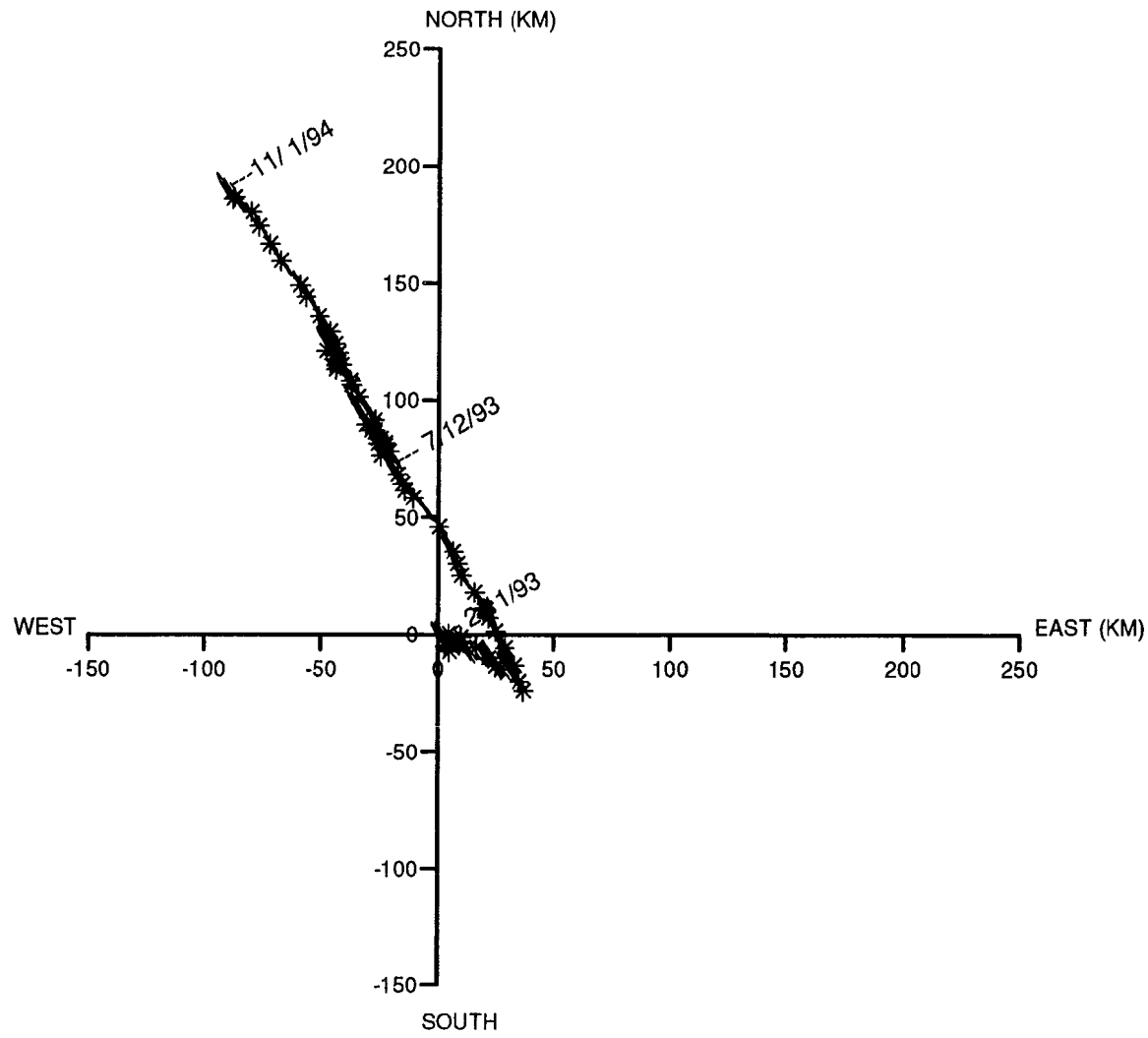
VECTOR PLOT

Meter no. 1149 Rig no. 00592 Depth of water(m) 146.0

Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00

Position 54 46.10N 05 24.30W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1149.00592s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	-0.0148	0.12932347E+00	0.35961571E+00
Northings	0.0319	0.29188946E+00	0.54026794E+00
Speed	0.5702	0.97333319E-01	0.31198287E+00
Vector mean speed	0.0352		
Vector Mean Direction	-24.9		

Maximum ten values

Eastings					Northings				
0.916	0.912	0.907	0.891	0.878	1.178	1.173	1.164	1.152	1.140
0.839	0.835	0.824	0.816	0.815	1.138	1.131	1.125	1.122	1.121

Minimum ten values

Eastings					Northings				
-0.762	-0.764	-0.765	-0.766	-0.766	-1.118	-1.122	-1.134	-1.158	-1.159
-0.772	-0.779	-0.780	-0.789	-0.794	-1.200	-1.202	-1.207	-1.207	-1.281

Maximum speeds

1.523	1.513	1.493	1.477	1.462	1.453	1.440	1.415	1.412	1.398
1.398	1.383	1.364	1.359	1.355	1.355	1.354	1.353	1.352	1.352
1.343	1.342	1.339	1.333	1.333	1.333	1.332	1.332	1.330	1.330
1.329	1.328	1.326	1.325	1.324	1.323	1.322	1.322	1.321	1.317
1.315	1.310	1.309	1.307	1.306	1.303	1.300	1.300	1.298	1.295
1.295	1.294	1.292	1.290	1.289	1.288	1.287	1.287	1.285	1.282
1.282	1.280	1.279	1.278	1.278	1.277	1.276	1.273	1.273	1.273
1.273	1.272	1.272	1.272	1.271	1.268	1.268	1.268	1.268	1.267
1.265	1.265	1.264	1.264	1.263	1.262	1.262	1.262	1.261	1.260
1.260	1.258	1.258	1.256	1.256	1.255	1.254	1.254	1.249	1.249

Variance ellipse statistics

Maximum variance	0.4186E+00	Direction	-33.5
Minimum variance	0.2663E-02	Direction	56.5
Total variance	0.4212E+00	Ratio of variances	0.6362E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			1.8
Average direction. maxdir +PI/2 to maxdir -PI/2			179.7

Statistics for bb1149.00592s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	-0.0148	0.21821002E-02	0.46712957E-01
Northings	0.0320	0.30403312E-02	0.55139199E-01
Speed	0.0655	0.21673576E-02	0.46554890E-01
Vector mean speed	0.0352		
Vector Mean Direction	-24.8		

Maximum ten values

Eastings					Northings				
0.108	0.106	0.079	0.079	0.074	0.177	0.175	0.167	0.162	0.162
0.072	0.069	0.069	0.067	0.067	0.161	0.141	0.139	0.128	0.123

Minimum ten values

Eastings					Northings				
-0.100	-0.102	-0.103	-0.113	-0.129	-0.069	-0.070	-0.072	-0.074	-0.084
-0.133	-0.133	-0.136	-0.149	-0.150	-0.084	-0.093	-0.096	-0.096	-0.099

Maximum speeds

0.232	0.224	0.222	0.209	0.207	0.197	0.194	0.162	0.161	0.160
0.154	0.150	0.149	0.147	0.145	0.144	0.142	0.141	0.138	0.137
0.136	0.136	0.135	0.131	0.131	0.130	0.128	0.127	0.126	0.123
0.122	0.122	0.120	0.120	0.119	0.118	0.118	0.116	0.115	0.113
0.113	0.107	0.107	0.107	0.106	0.105	0.105	0.104	0.103	0.103
0.100	0.099	0.098	0.097	0.097	0.096	0.095	0.095	0.094	0.093
0.093	0.093	0.092	0.092	0.091	0.090	0.090	0.089	0.089	0.089
0.088	0.088	0.088	0.087	0.087	0.085	0.085	0.085	0.085	0.084
0.081	0.080	0.080	0.080	0.079	0.079	0.078	0.078	0.077	0.077
0.077	0.076	0.076	0.075	0.074	0.074	0.074	0.074	0.074	0.074

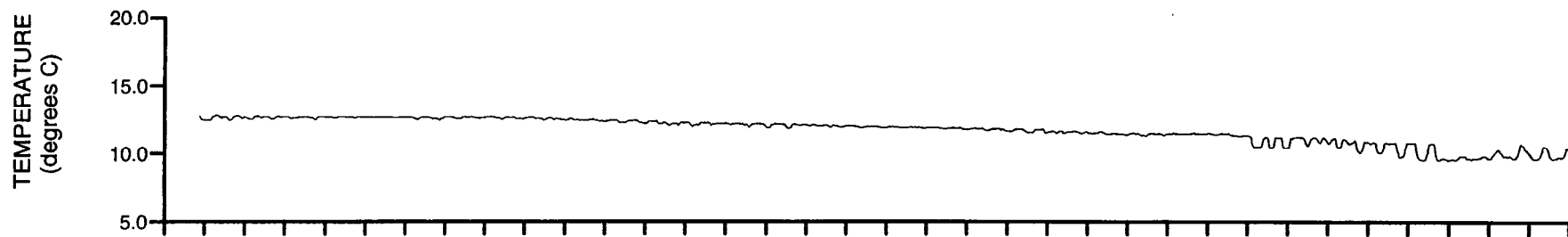
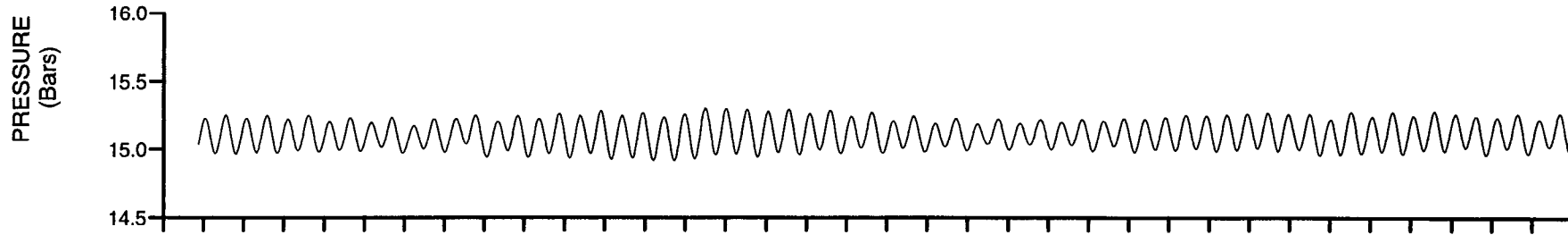
Variance ellipse statistics

Maximum variance	0.5095E-02	Direction	-40.0
Minimum variance	0.1278E-03	Direction	50.0
Total variance	0.5222E-02	Ratio of variances	0.2508E-01
Average direction. maxdir -PI/2 to maxdir +PI/2			14.0
Average direction. maxdir +PI/2 to maxdir -PI/2			167.9

Meter information details for 0445

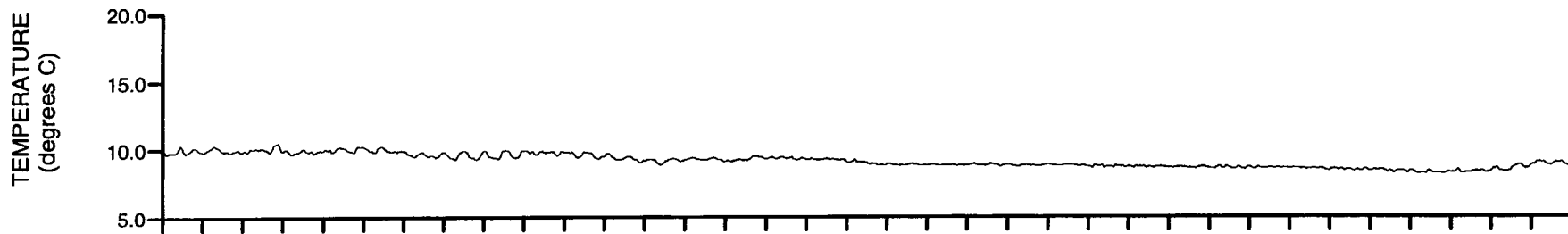
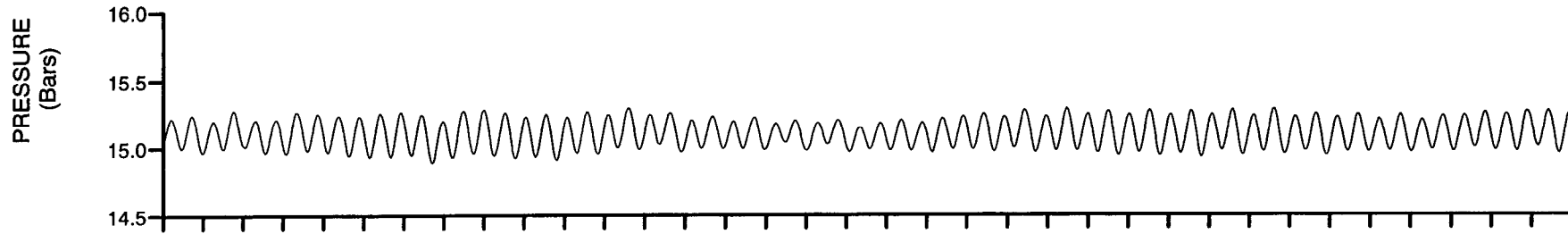
Rig No	:	00592
Meter No	:	0445
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	01-NOV-93 21:00:47
Meter stopped	:	17-JAN-94 09:01:02
Period switched on	:	76.5 days
Period of good data	:	69.8 days
Total number of scans	:	10048
Timing error	:	15 seconds slow
Comments	:	Good record obtained

Meter no. 0445 Rig no. 00592 Depth of water(m) 146.0
Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00
Position 54 46.10N 05 24.30W Meter Height(m) 0.5



2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6
93 93
Nov Dec

Meter no. 0445 Rig no. 00592 Depth of water(m) 146.0
Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00
Position 54 46.10N 05 24.30W Meter Height(m) 0.5

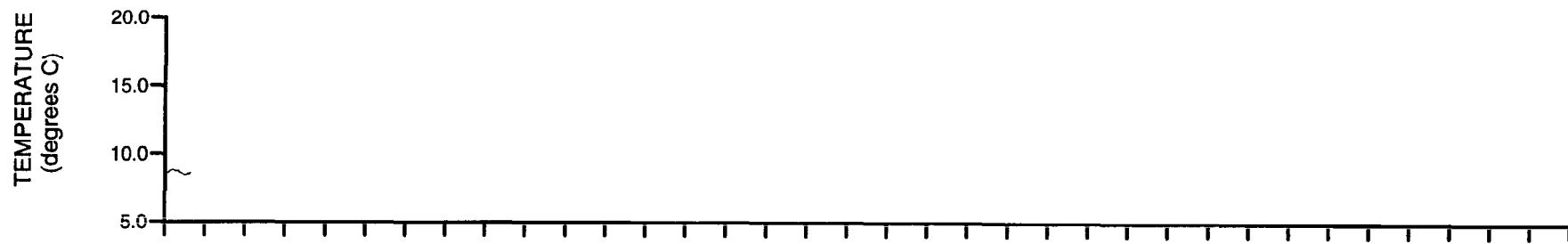
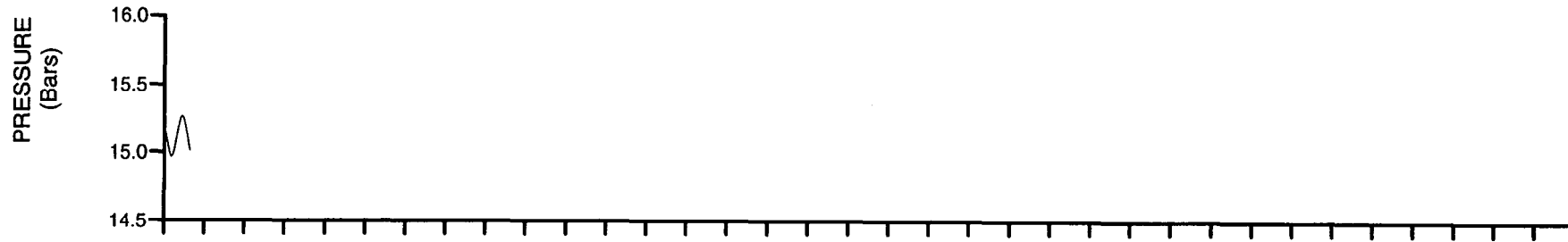


7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10

93

Dec

Meter no. 0445 Rig no. 00592 Depth of water(m) 146.0
Start/End 1993/11/02 AT 20:50:00 1994/01/11 AT 15:30:00
Position 54 46.10N 05 24.30W Meter Height(m) 0.5



11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14
94 94
Jan Feb

Rig information details for 00601

Position Latitude	:	54 45.93N
Position Longitude	:	05 23.99W
Water depth	:	138.0 m
Deployed on cruise	:	L.FOYLE
Recovered on cruise	:	L.FOYLE
Site name identification	:	EA4
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	11-JAN-94 21:08:00
Rig recovered on	:	24-FEB-94 08:15:00
Period of deployment	:	43.5 days
Comments	:	Launch and recovery successful

Meter information details for 1148

Rig No : 00601
Meter No : 1148
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 11-JAN-94 21:07:05
Meter stopped : 24-FEB-94 08:17:05
Period switched on : 43.5 days
Period of good data : 43.5 days
Total number of scans : 6258
Timing error : None
Comments : Good record obtained
Bin(24) - 4463 flagged errors
Bin(23) - 23 flagged errors
Bin(22) - 4 flagged errors
Bin(21) - 1 flagged error
Bin (1) - 46 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

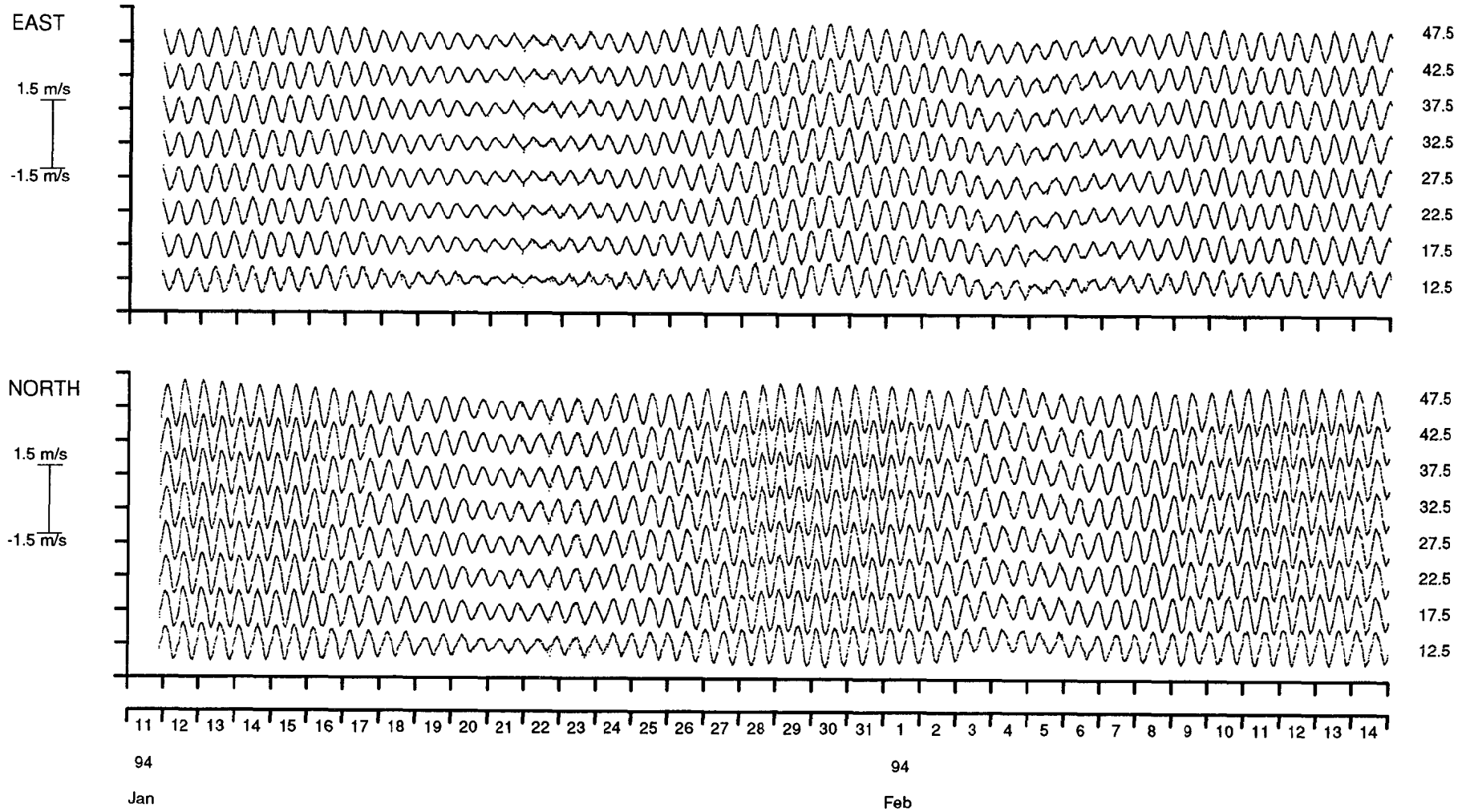
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



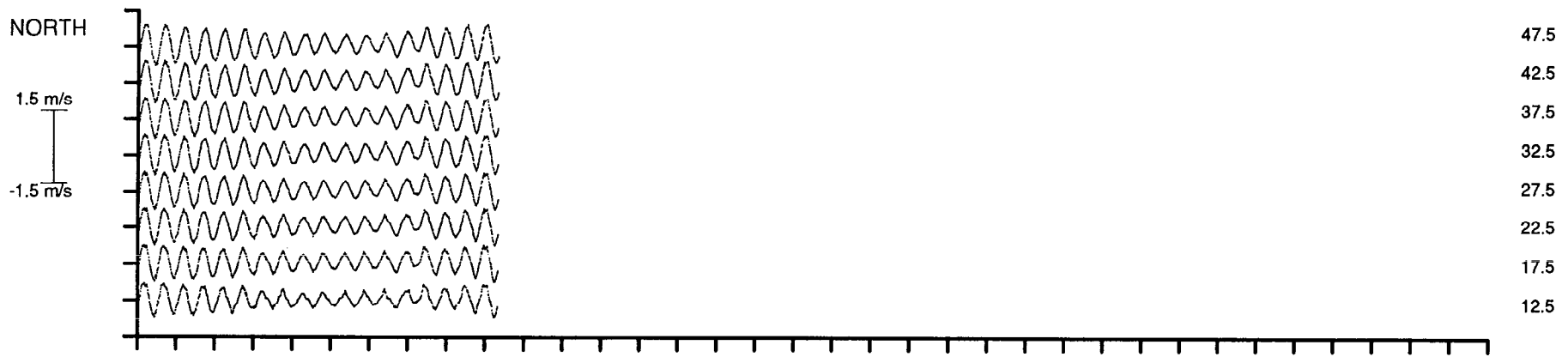
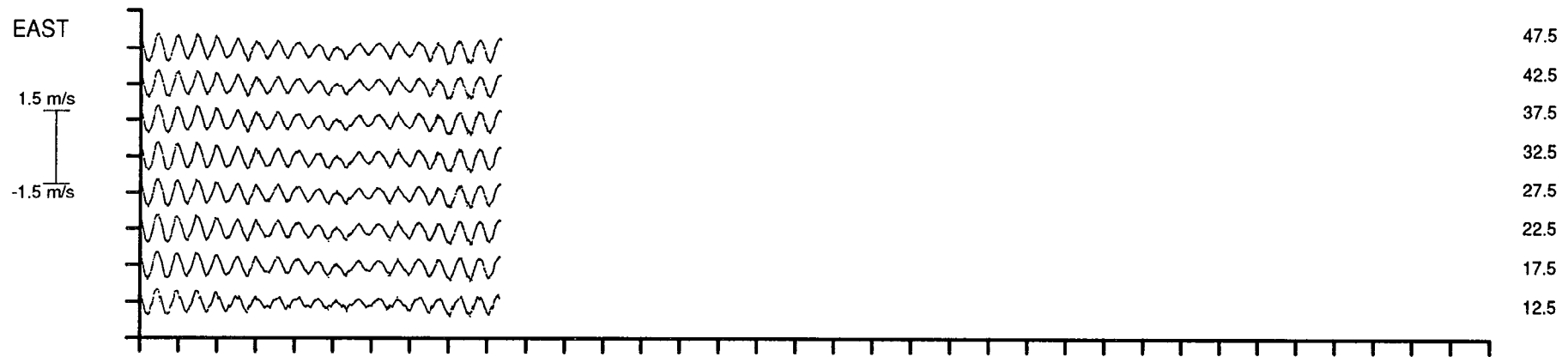
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Star/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94
Feb Mar

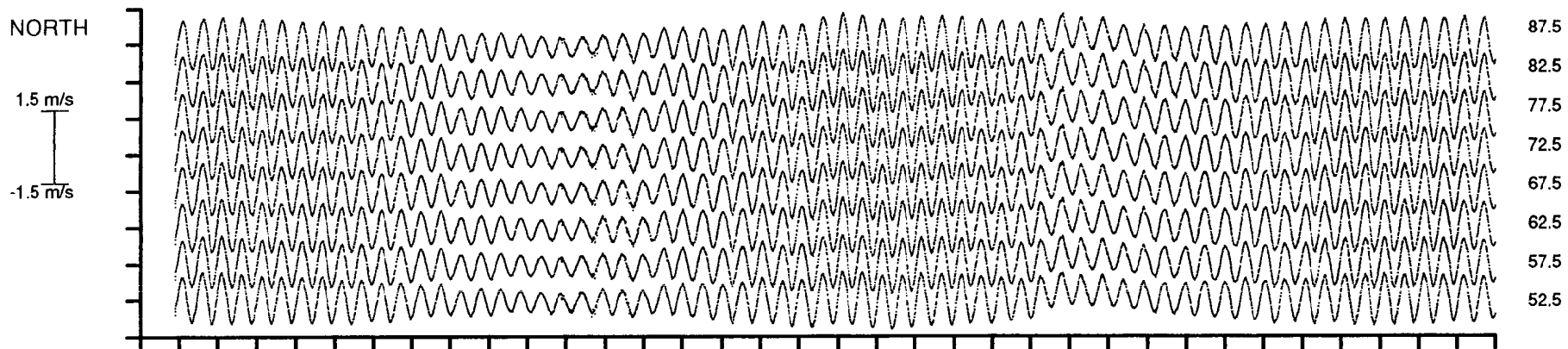
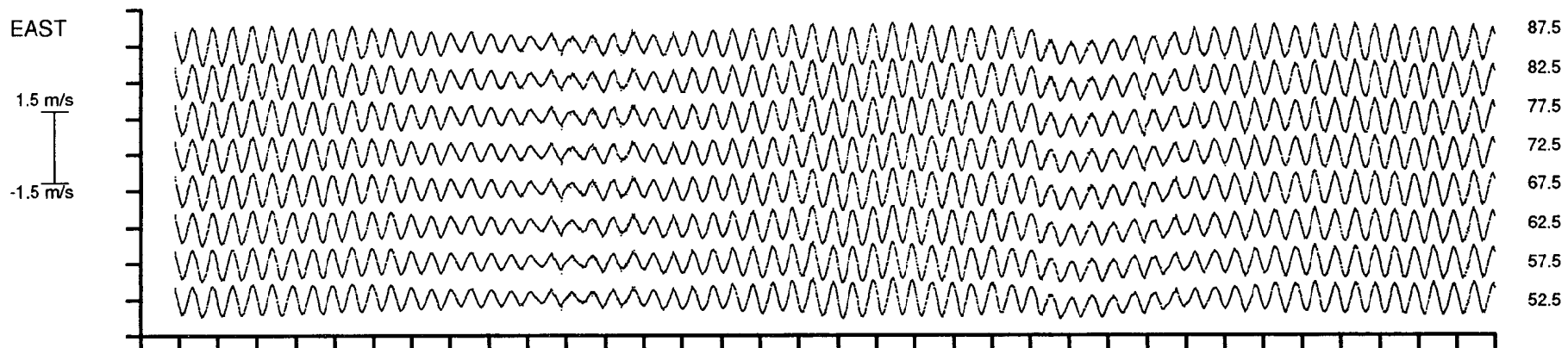
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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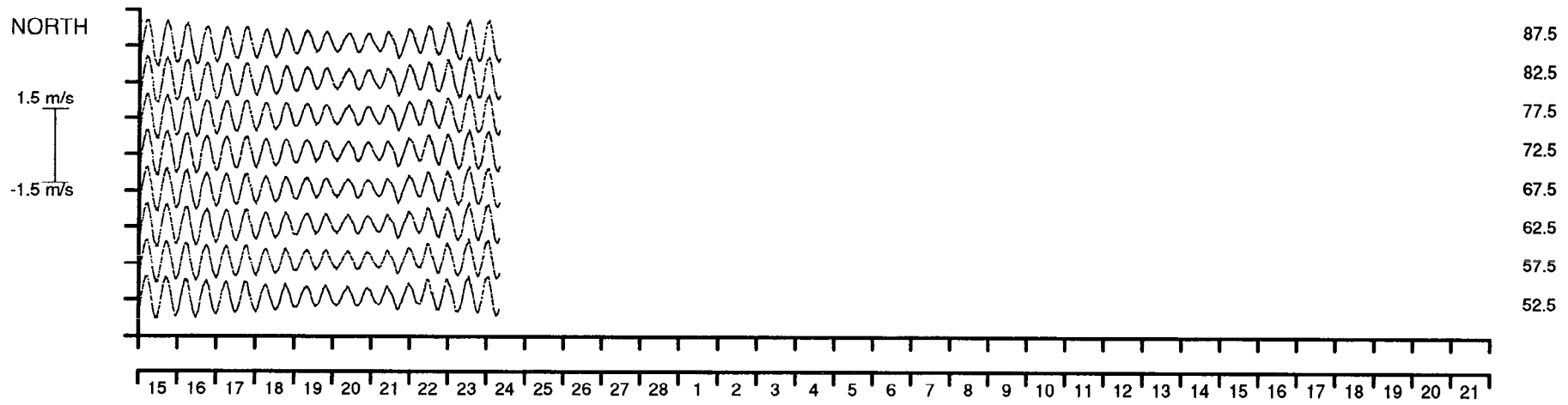
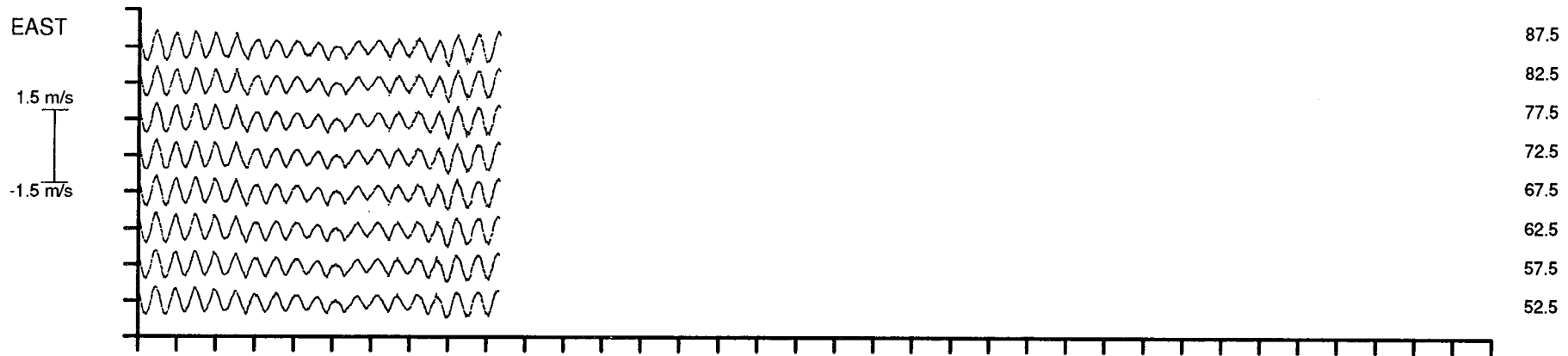
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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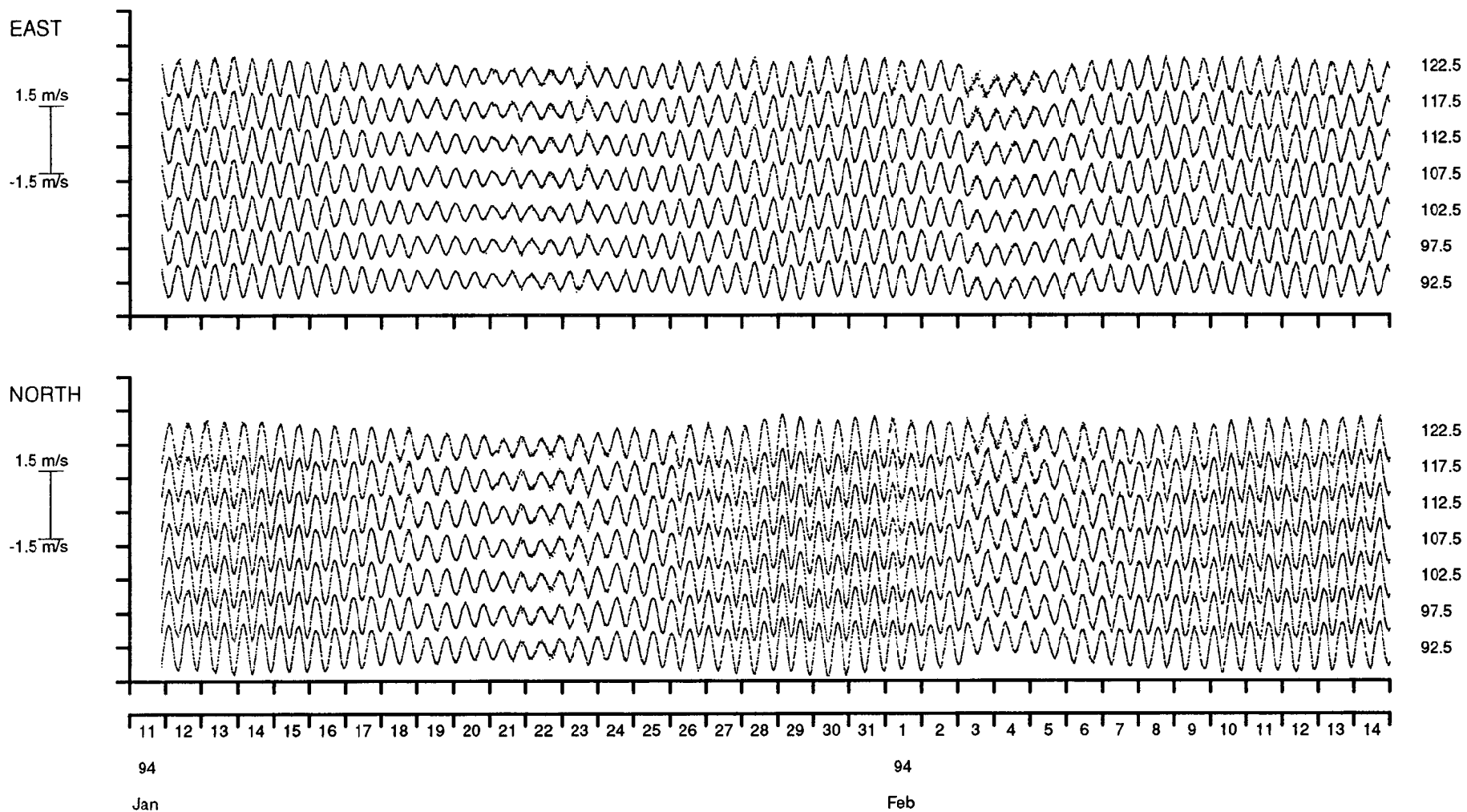
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



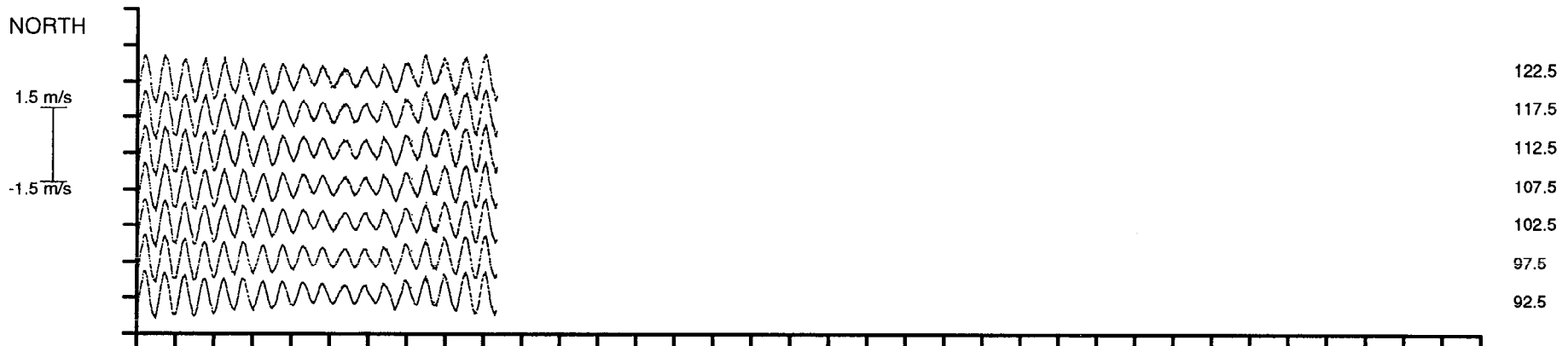
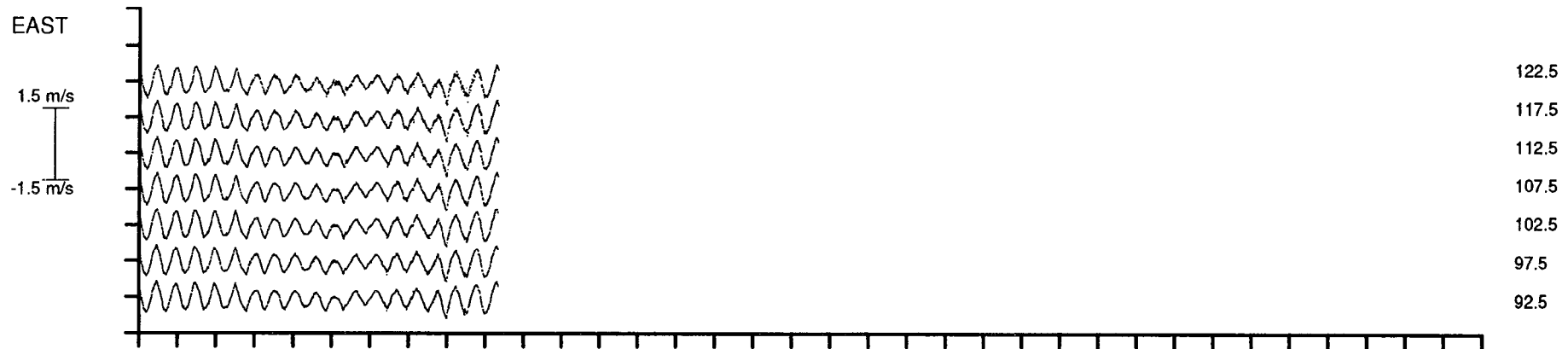
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

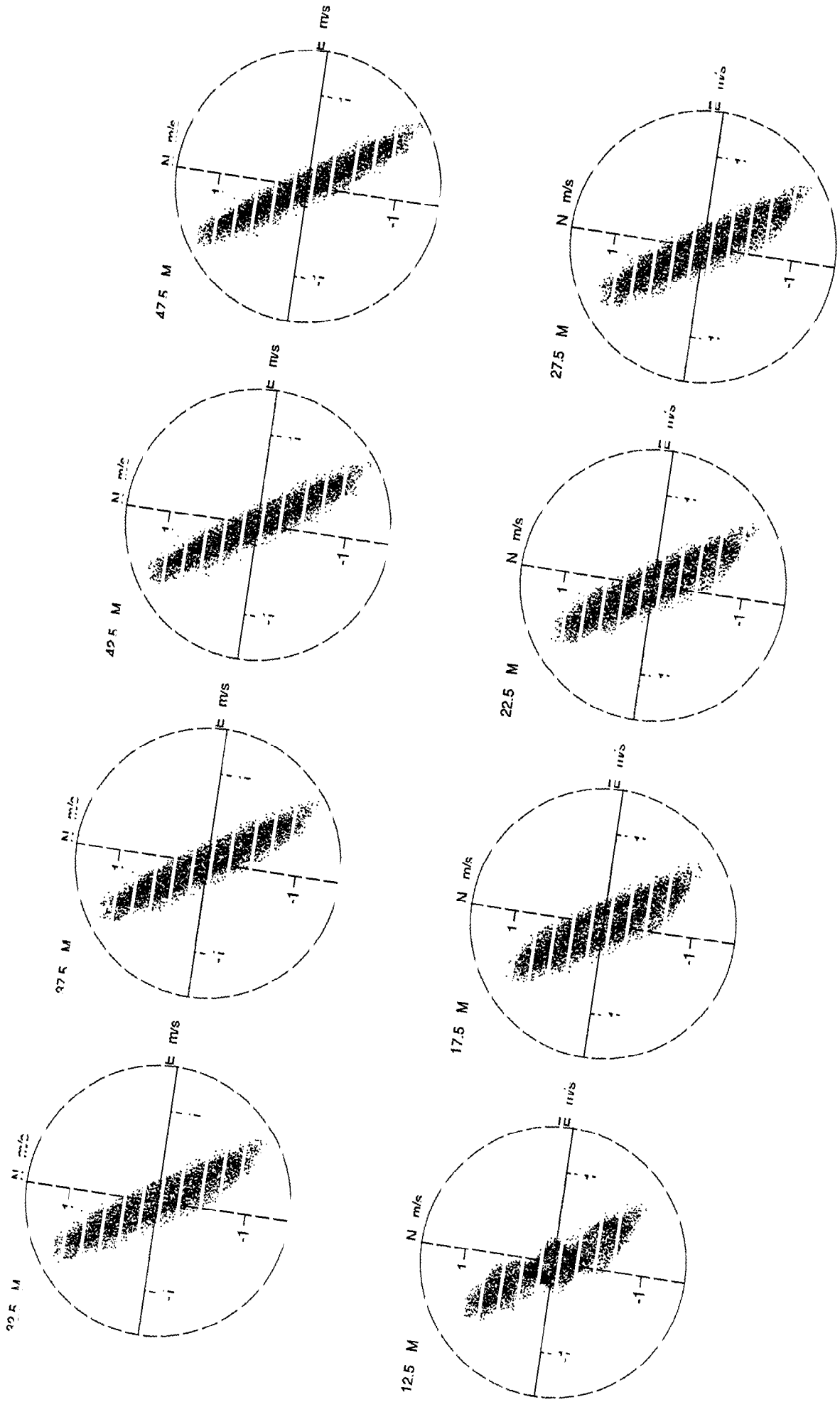


15 16 17 18 19 20 21 22 23 24 25 26 27 28 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

94 94
Feb Mar

SCATTER PLOT

Meter no. 1149 Pig no. 00601 Depth of water(m) 199.0
Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00
Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

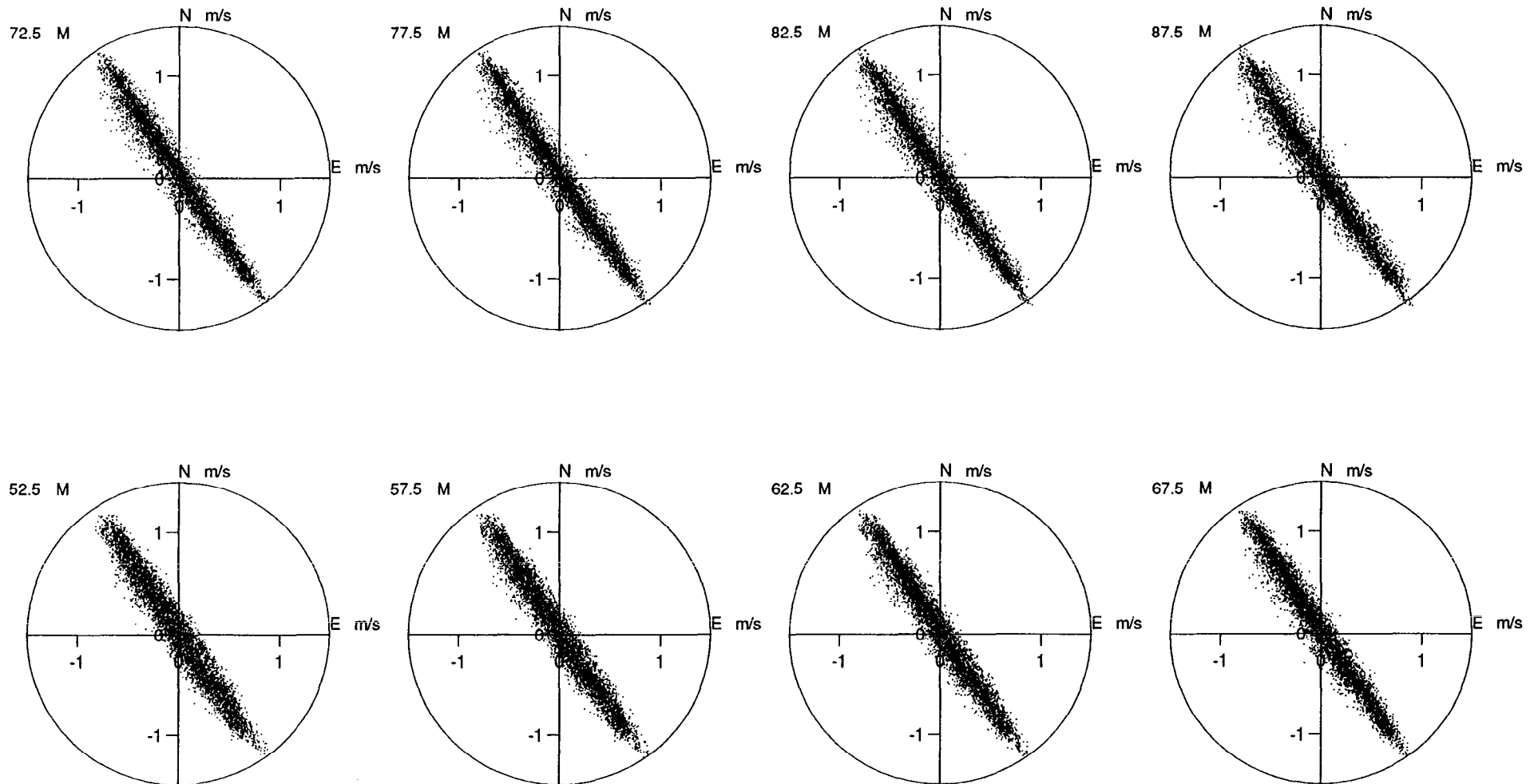


SCATTER PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

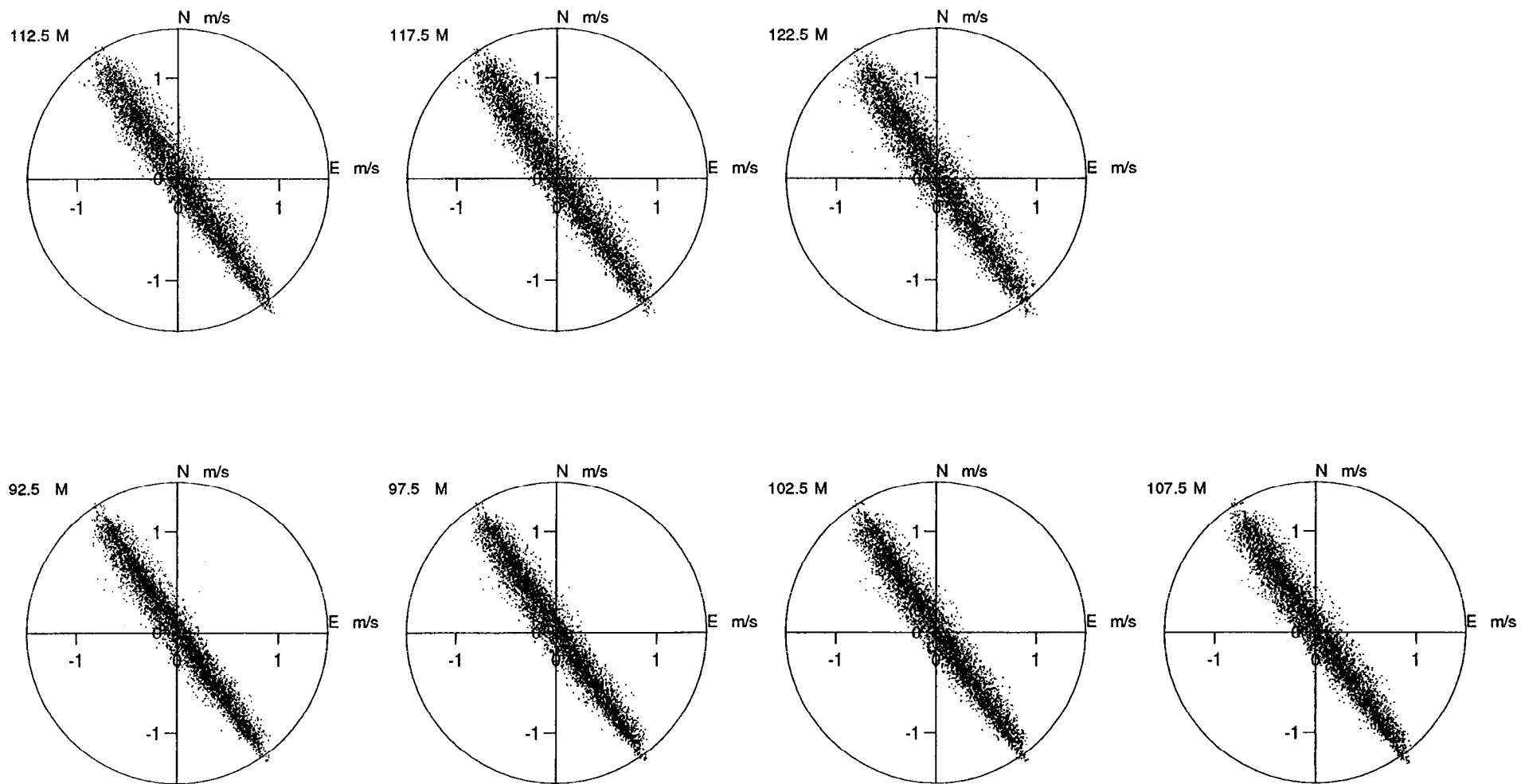


SCATTER PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

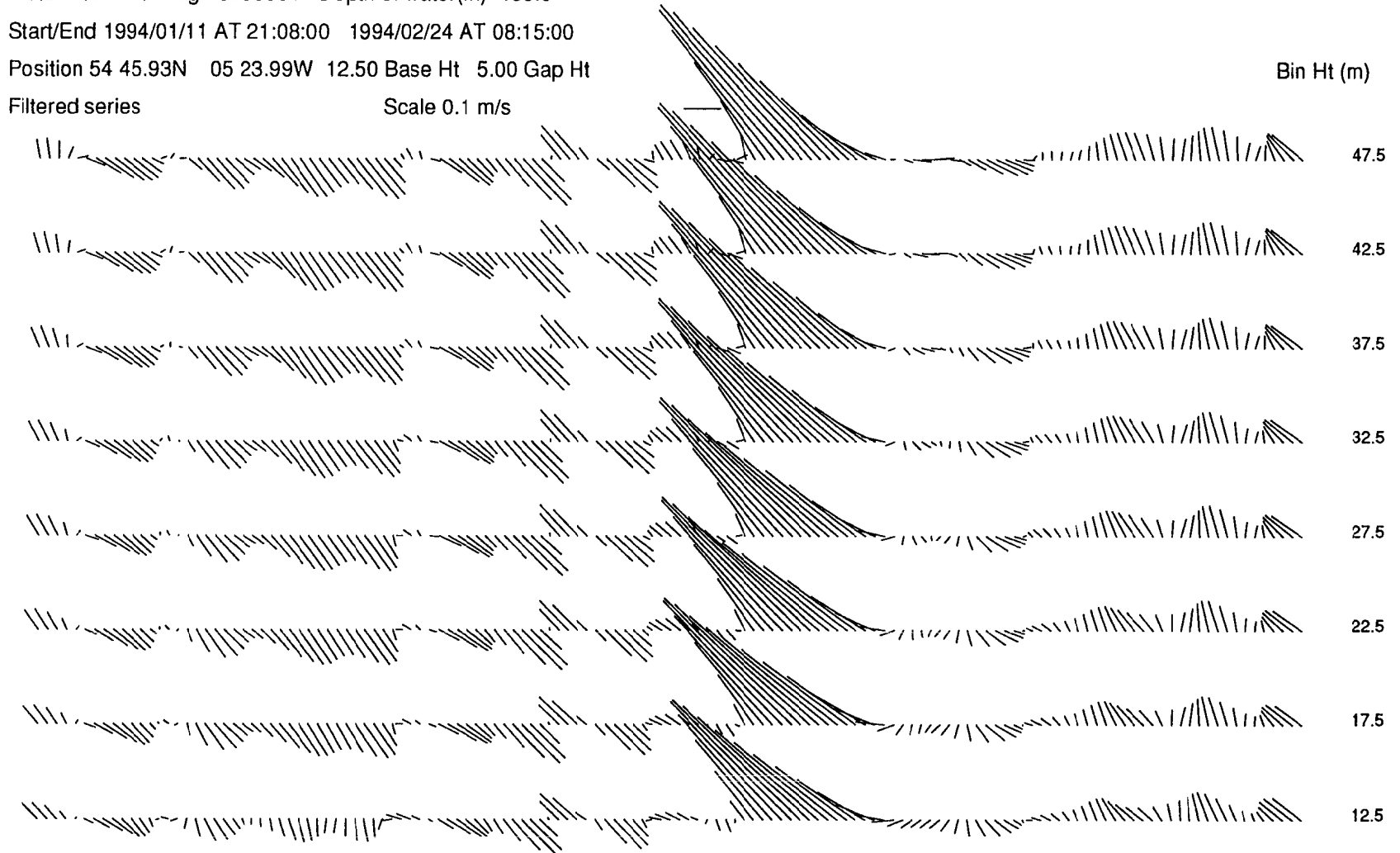
Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



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

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STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

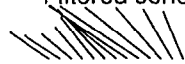
Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



47.5



42.5



37.5



32.5



27.5



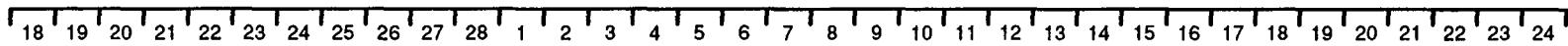
22.5



17.5



12.5



94

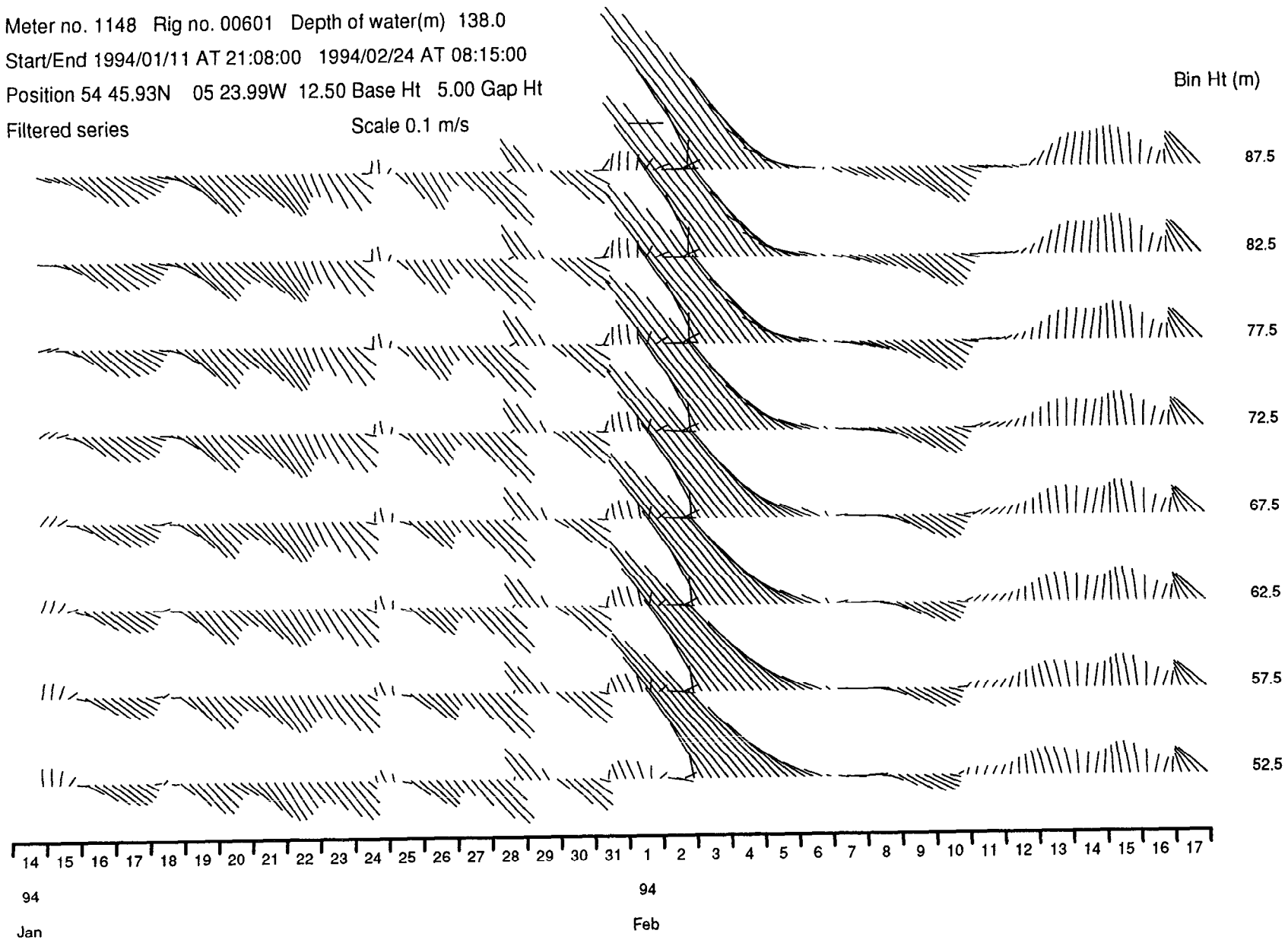
94

Feb

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STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0
Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00
Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht
Filtered series Scale 0.1 m/s

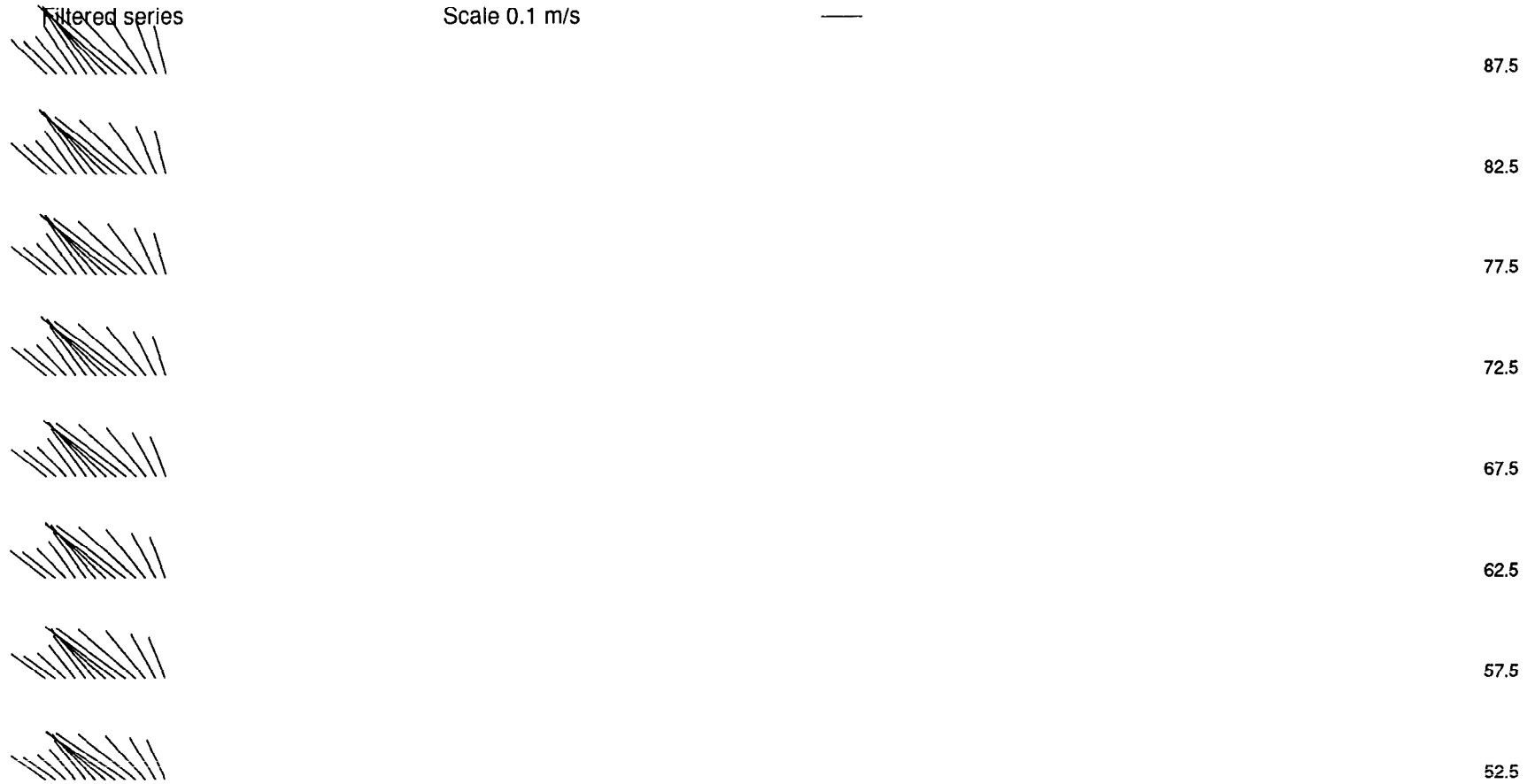


STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht



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

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STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

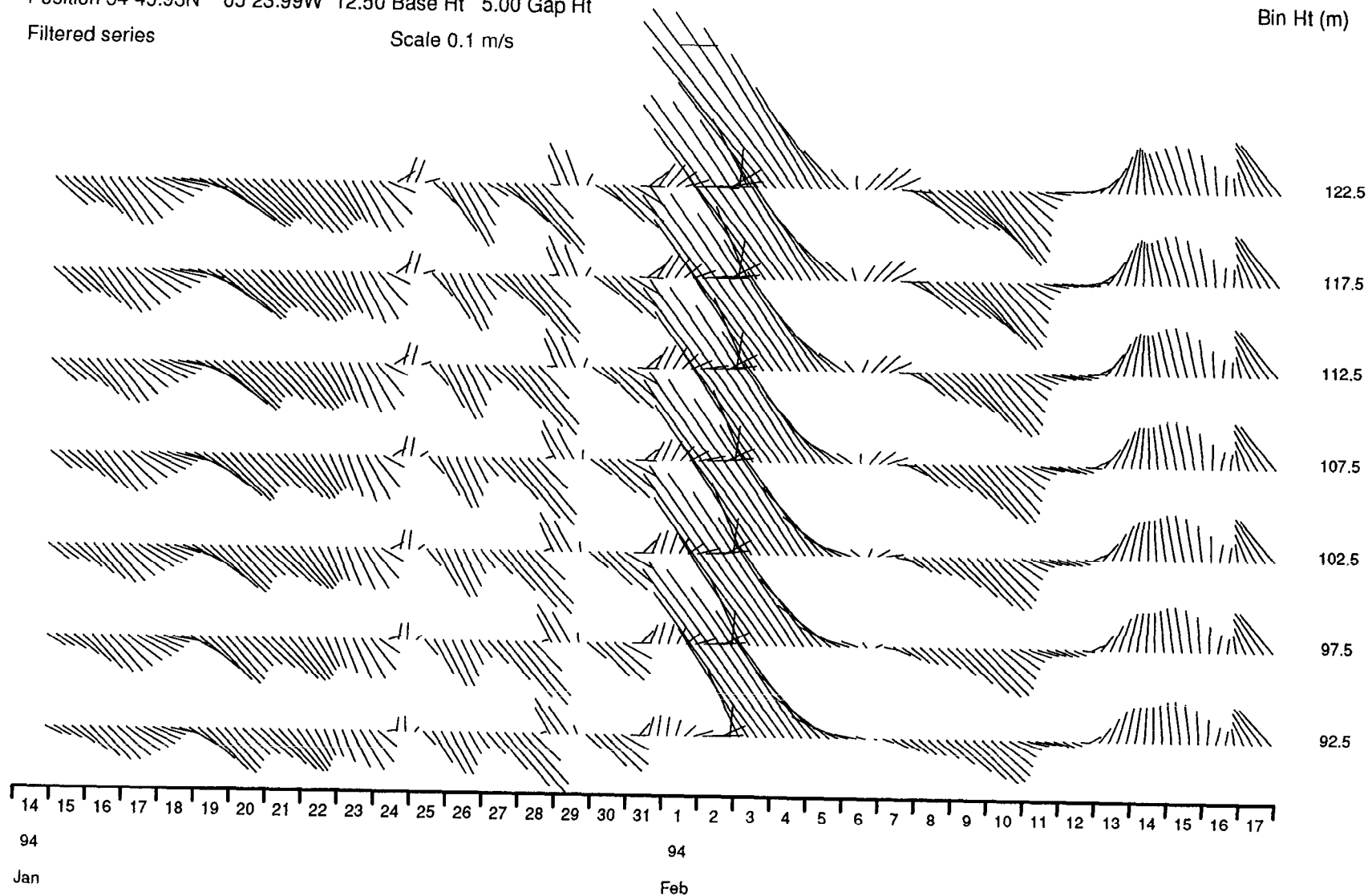
Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



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

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Feb

Mar

Statistics for bb1148.00601

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.046	-53.1	0.2718	-34.4	0.0105	55.6
2	17.5	0.042	-47.0	0.3235	-34.8	0.0130	55.2
3	22.5	0.043	-44.2	0.3477	-34.4	0.0118	55.6
4	27.5	0.044	-40.8	0.3671	-34.1	0.0105	55.9
5	32.5	0.044	-37.0	0.3841	-33.8	0.0091	56.2
6	37.5	0.043	-32.9	0.3986	-33.6	0.0077	56.4
7	42.5	0.043	-29.5	0.4123	-33.6	0.0066	56.4
8	47.5	0.042	-25.3	0.4256	-33.5	0.0056	56.5
9	52.5	0.042	-22.1	0.4377	-33.5	0.0047	56.5
10	57.5	0.040	-18.7	0.4486	-33.6	0.0042	56.4
11	62.5	0.039	-15.4	0.4601	-33.7	0.0038	56.3
12	67.5	0.037	-12.0	0.4713	-33.8	0.0037	56.2
13	72.5	0.034	-9.1	0.4824	-33.9	0.0036	56.1
14	77.5	0.032	-5.6	0.4938	-34.0	0.0038	56.0
15	82.5	0.030	-1.2	0.5044	-34.2	0.0040	55.8
16	87.5	0.029	2.7	0.5147	-34.3	0.0044	55.7
17	92.5	0.028	6.9	0.5242	-34.4	0.0049	55.6
18	97.5	0.029	11.6	0.5315	-34.6	0.0055	55.4
19	102.5	0.029	17.6	0.5393	-34.7	0.0062	55.3
20	107.5	0.030	22.6	0.5469	-34.8	0.0068	55.2
21	112.5	0.032	27.3	0.5515	-34.9	0.0076	55.1
22	117.5	0.034	32.8	0.5541	-35.0	0.0084	55.0
23	122.5	0.034	39.5	0.5425	-35.0	0.0095	55.0

Statistics for bb1148.00601

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.033	-58.8	0.0112	-45.4	0.0003	44.6
2	17.5	0.028	-50.3	0.0145	-46.6	0.0004	43.4
3	22.5	0.029	-46.3	0.0155	-46.1	0.0004	43.9
4	27.5	0.029	-41.4	0.0161	-45.6	0.0004	44.4
5	32.5	0.029	-35.9	0.0168	-44.9	0.0004	45.1
6	37.5	0.028	-29.9	0.0172	-44.3	0.0003	45.7
7	42.5	0.028	-25.4	0.0177	-43.8	0.0004	46.2
8	47.5	0.027	-19.2	0.0180	-43.3	0.0004	46.7
9	52.5	0.027	-14.8	0.0185	-42.8	0.0004	47.2
10	57.5	0.026	-10.0	0.0190	-42.4	0.0005	47.6
11	62.5	0.025	-5.3	0.0196	-41.9	0.0005	48.1
12	67.5	0.024	-0.1	0.0201	-41.5	0.0005	48.5
13	72.5	0.022	4.4	0.0208	-41.0	0.0006	49.0
14	77.5	0.021	10.1	0.0214	-40.4	0.0006	49.6
15	82.5	0.020	17.0	0.0221	-40.0	0.0007	50.0
16	87.5	0.019	23.5	0.0230	-39.4	0.0007	50.6
17	92.5	0.020	29.7	0.0240	-39.0	0.0007	51.0
18	97.5	0.021	34.9	0.0251	-38.5	0.0007	51.5
19	102.5	0.022	42.4	0.0265	-38.3	0.0007	51.7
20	107.5	0.024	48.2	0.0279	-38.1	0.0008	51.9
21	112.5	0.026	53.3	0.0295	-38.1	0.0008	51.9
22	117.5	0.028	59.6	0.0309	-38.3	0.0009	51.7
23	122.5	0.031	67.2	0.0317	-38.9	0.0009	51.1

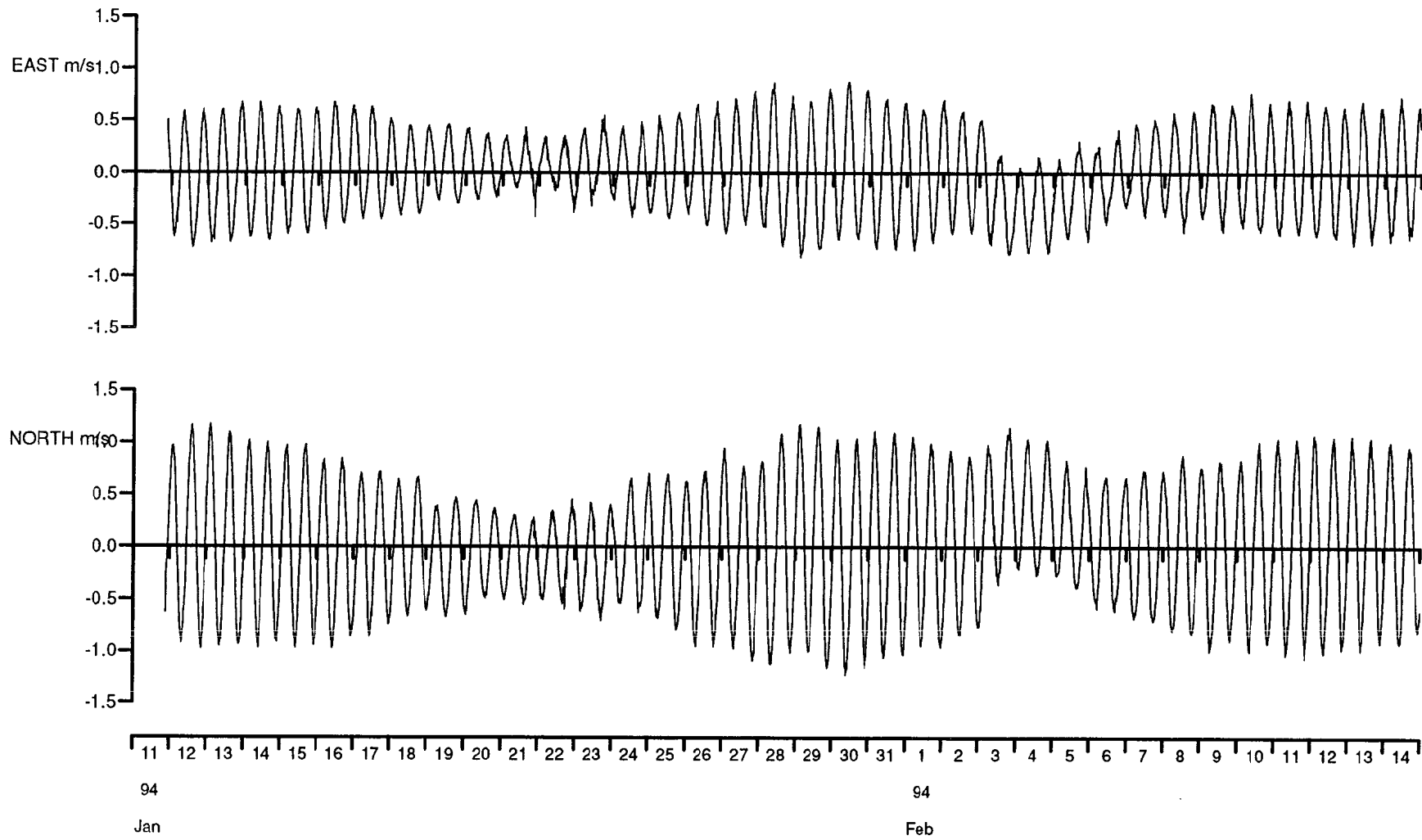
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



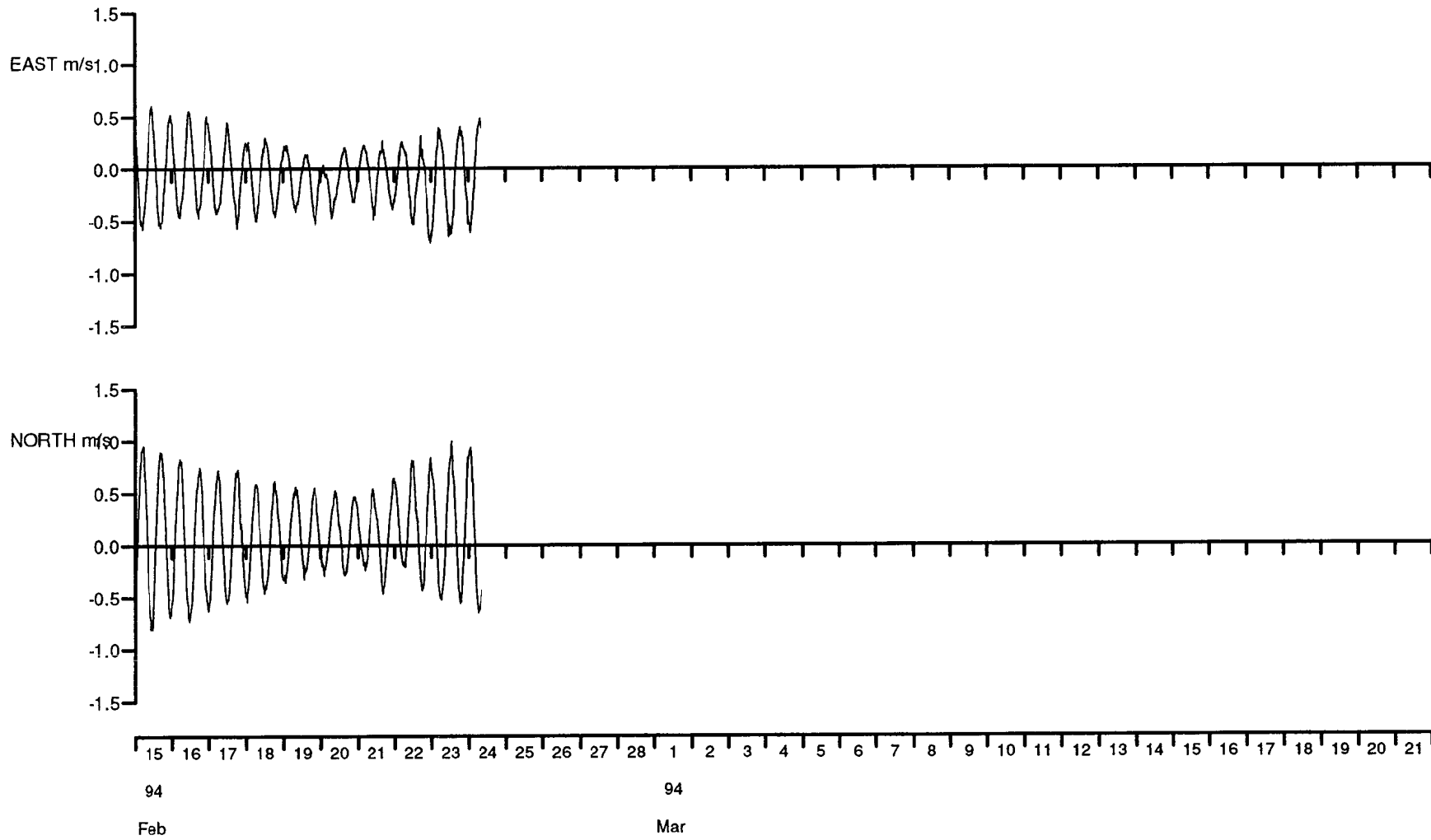
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



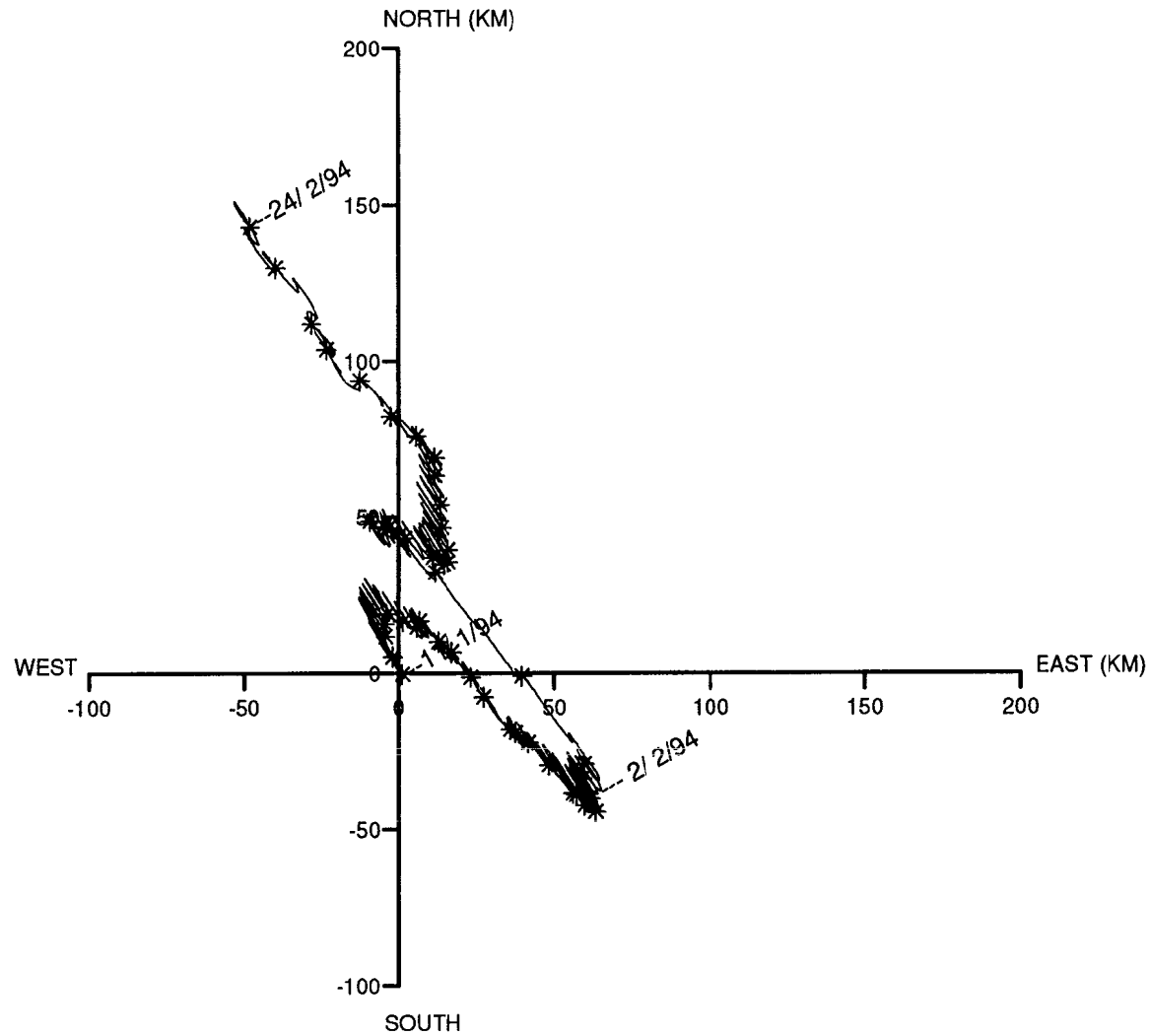
VECTOR PLOT

Meter no. 1148 Rig no. 00601 Depth of water(m) 138.0

Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00

Position 54 45.93N 05 23.99W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1148.00601s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	-0.0129	0.14018796E+00	0.37441686E+00
Northings	0.0383	0.31259310E+00	0.55910027E+00
Speed	0.5805	0.11741774E+00	0.34266269E+00
Vector mean speed	0.0404		
Vector Mean Direction	-18.7		

Maximum ten values

Eastings					Northings				
0.877	0.872	0.869	0.867	0.861	1.179	1.178	1.173	1.169	1.168
0.856	0.846	0.840	0.837	0.833	1.163	1.161	1.156	1.151	1.150

Minimum ten values

Eastings					Northings				
-0.774	-0.774	-0.775	-0.776	-0.779	-1.151	-1.157	-1.161	-1.163	-1.173
-0.780	-0.781	-0.784	-0.784	-0.819	-1.174	-1.177	-1.178	-1.195	-1.227

Maximum speeds

1.483	1.479	1.461	1.458	1.457	1.441	1.428	1.427	1.408	1.408
1.405	1.403	1.397	1.397	1.390	1.384	1.379	1.378	1.377	1.372
1.371	1.371	1.370	1.368	1.366	1.363	1.361	1.361	1.360	1.358
1.357	1.356	1.356	1.355	1.351	1.349	1.348	1.345	1.345	1.344
1.344	1.343	1.343	1.342	1.341	1.339	1.335	1.334	1.333	1.333
1.333	1.331	1.328	1.328	1.328	1.326	1.325	1.325	1.324	1.323
1.320	1.320	1.319	1.319	1.311	1.311	1.309	1.304	1.303	1.302
1.301	1.300	1.299	1.297	1.296	1.296	1.295	1.294	1.293	1.293
1.293	1.292	1.291	1.289	1.289	1.288	1.288	1.287	1.287	1.285
1.283	1.282	1.281	1.279	1.279	1.279	1.278	1.276	1.275	1.275

Variance ellipse statistics

Maximum variance	0.4486E+00	Direction	-33.6
Minimum variance	0.4153E-02	Direction	56.4
Total variance	0.4528E+00	Ratio of variances	0.9257E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			3.1
Average direction. maxdir +PI/2 to maxdir -PI/2			178.7

Statistics for bb1148.00601s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	-0.0045	0.88675935E-02	0.94167903E-01
Northings	0.0257	0.10562657E-01	0.10277479E+00
Speed	0.1012	0.98068425E-02	0.99029504E-01
Vector mean speed	0.0261		
Vector Mean Direction	-10.0		

Maximum ten values

Eastings					Northings				
0.121	0.109	0.102	0.096	0.090	0.431	0.416	0.409	0.366	0.359
0.089	0.088	0.087	0.083	0.083	0.312	0.267	0.256	0.200	0.163

Minimum ten values

Eastings					Northings				
-0.174	-0.191	-0.205	-0.239	-0.275	-0.091	-0.092	-0.096	-0.101	-0.101
-0.280	-0.314	-0.339	-0.345	-0.358	-0.104	-0.107	-0.112	-0.113	-0.130

Maximum speeds

0.560	0.536	0.535	0.482	0.456	0.416	0.350	0.329	0.286	0.228
0.216	0.212	0.197	0.188	0.186	0.178	0.178	0.164	0.157	0.152
0.151	0.139	0.136	0.131	0.130	0.129	0.127	0.124	0.124	0.124
0.123	0.121	0.121	0.118	0.114	0.109	0.109	0.108	0.108	0.107
0.106	0.105	0.104	0.103	0.103	0.102	0.102	0.101	0.101	0.100
0.099	0.099	0.098	0.097	0.097	0.097	0.095	0.095	0.093	0.092
0.090	0.089	0.089	0.089	0.088	0.088	0.086	0.086	0.084	0.082
0.081	0.081	0.081	0.078	0.077	0.077	0.076	0.076	0.075	0.073
0.073	0.070	0.070	0.069	0.069	0.069	0.068	0.068	0.067	0.066
0.065	0.065	0.065	0.063	0.062	0.059	0.059	0.057	0.056	0.056

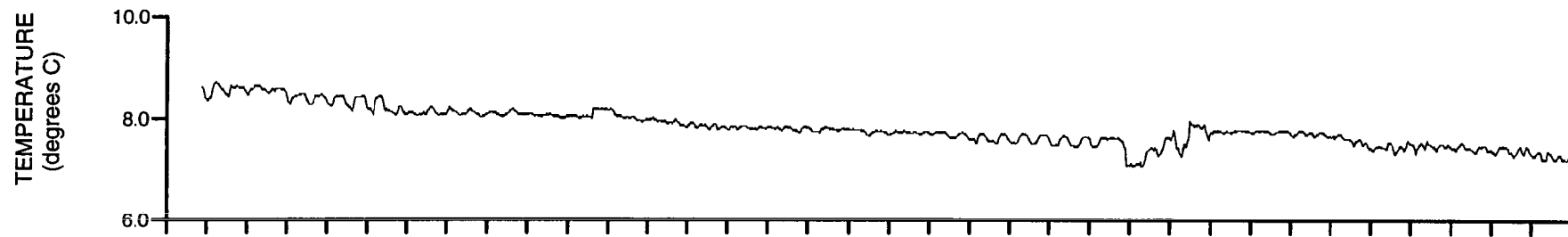
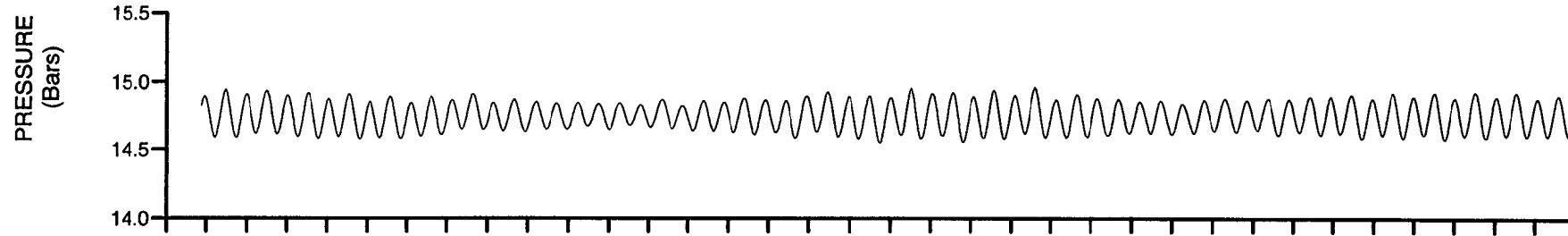
Variance ellipse statistics

Maximum variance	0.1898E-01	Direction	-42.4
Minimum variance	0.4504E-03	Direction	47.6
Total variance	0.1943E-01	Ratio of variances	0.2373E-01
Average direction. maxdir -PI/2 to maxdir +PI/2			22.2
Average direction. maxdir +PI/2 to maxdir -PI/2			162.3

Meter information details for 1038

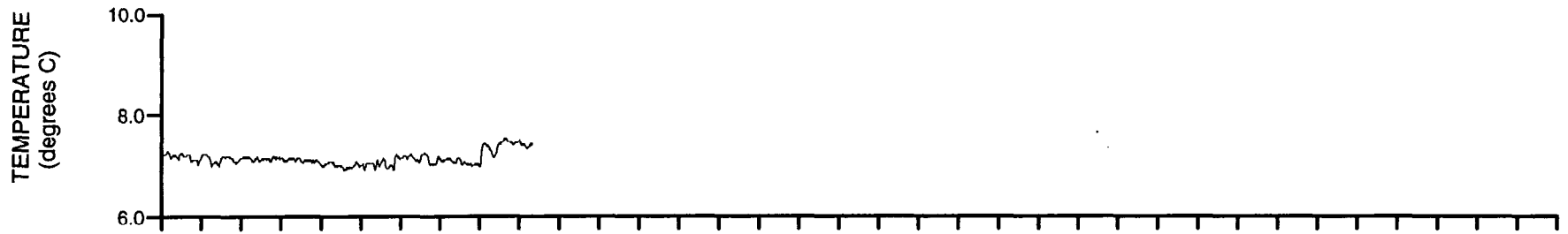
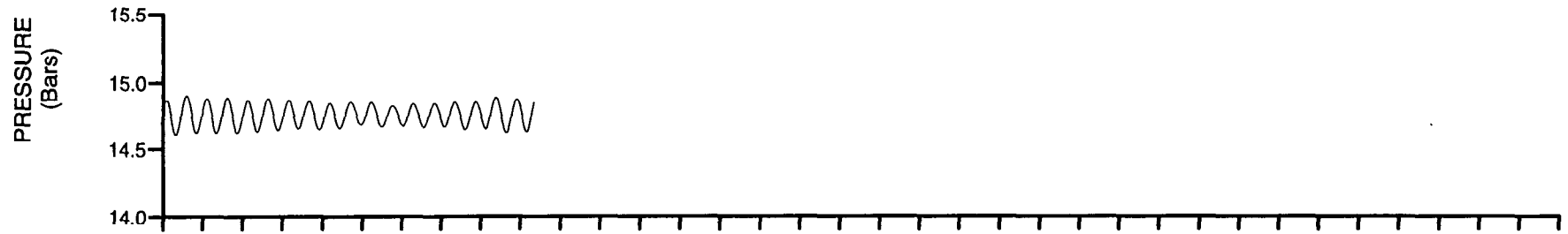
Rig No	:	00601
Meter No	:	1038
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	11-JAN-94 19:20:00
Meter stopped	:	02-MAR-94 09:31:05
Period switched on	:	49.6 days
Period of good data	:	43.5 days
Total number of scans	:	6259
Timing error	:	65 seconds slow
Comments	:	Switch on time of 17:10 given and not time of first scan Time of 17:10 mistaken for 19:10 First scan assumed to be at 19:20

Meter no. 1038 Rig no. 00601 Depth of water(m) 138.0
Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00
Position 54 45.93N 05 23.99W Meter Height(m) 0.5



11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14
94 94
Jan Feb

Meter no. 1038 Rig no. 00601 Depth of water(m) 138.0
Start/End 1994/01/11 AT 21:08:00 1994/02/24 AT 08:15:00
Position 54 45.93N 05 23.99W Meter Height(m) 0.5



15 16 17 18 19 20 21 22 23 24 25 26 27 28 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
94 94
Feb Mar

Rig information details for 00616

Position Latitude	:	54 46.10N
Position Longitude	:	05 24.10W
Water depth	:	146.0 m
Deployed on cruise	:	L.FOYLE
Recovered on cruise	:	C112
Site name identification	:	EA5
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	24-FEB-94 15:04:00
Rig recovered on	:	29-APR-94 12:43:00
Period of deployment	:	63.9 days
Comments	:	Launch and recovery successful

Meter information details for 1149

Rig No : 00616
Meter No : 1149
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 24-FEB-94 15:03:43
Meter stopped : 29-APR-94 12:43:43
Period switched on : 63.9 days
Period of good data : 63.9 days
Total number of scans : 9201
Timing error : None
Comments : Good record obtained
Bin (24) - 2756 flagged errors
Bin (23) - 396 flagged errors
Bin (22) - 200 flagged errors
Bin (21) - 94 flagged errors
Bin (20) - 35 flagged errors
Bin (19) - 19 flagged errors
Bin (18) - 6 flagged errors
Bin (17) - 1 flagged errors
Bin (1) - 56 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

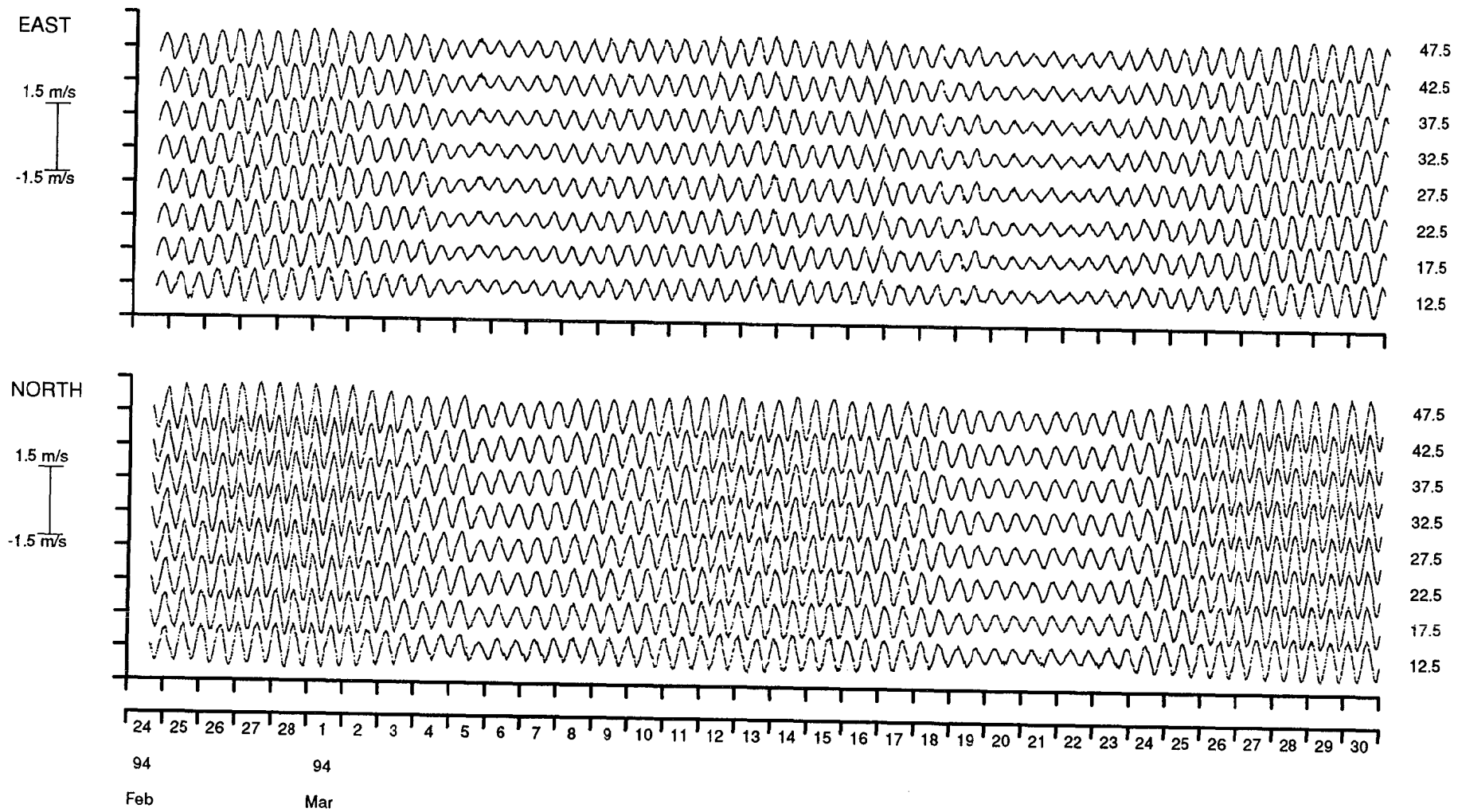
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



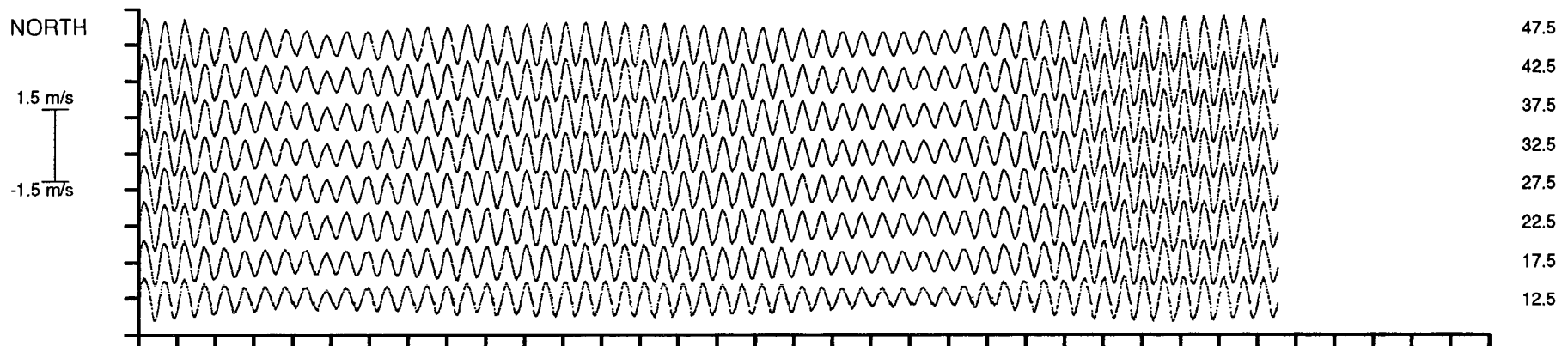
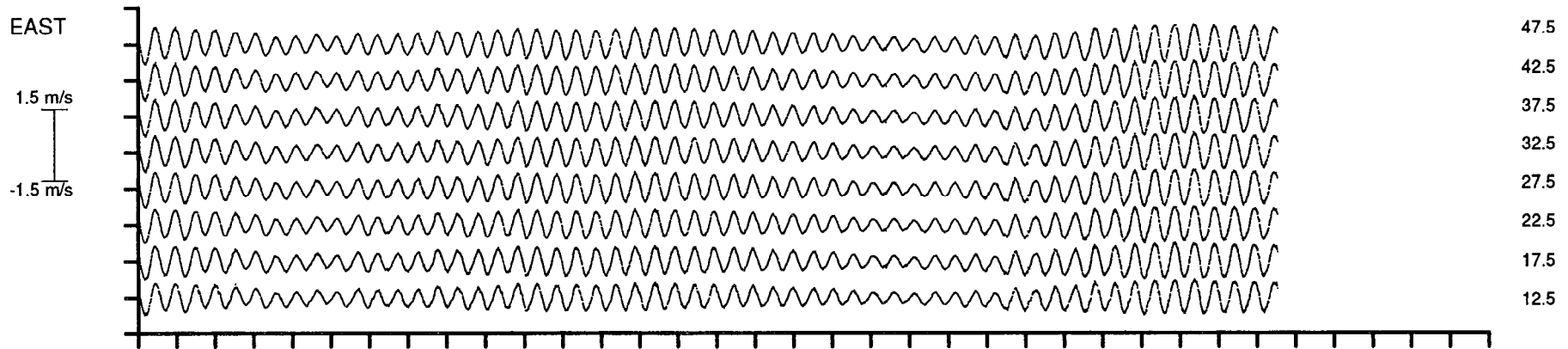
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

94

Mar Apr

May

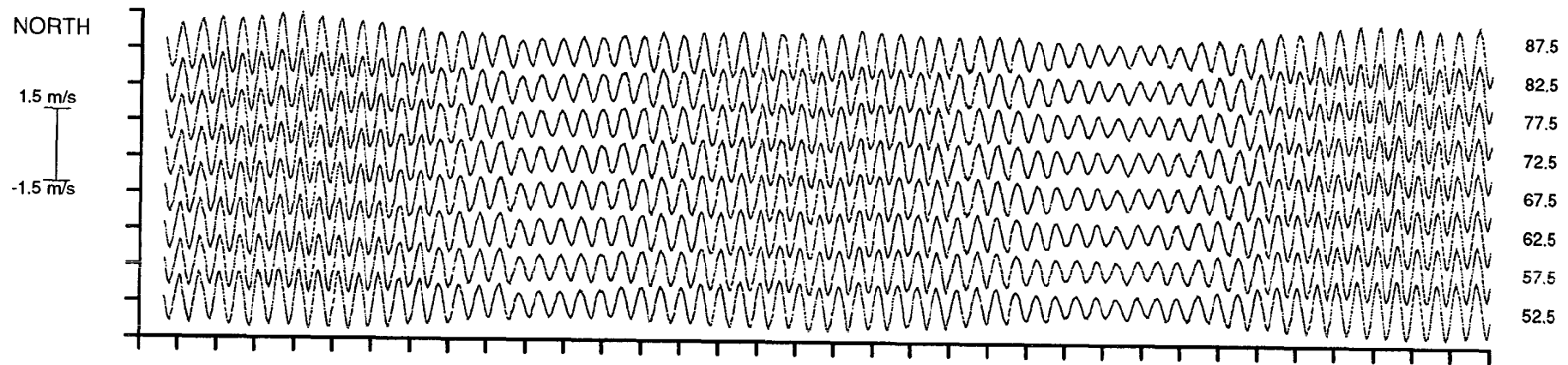
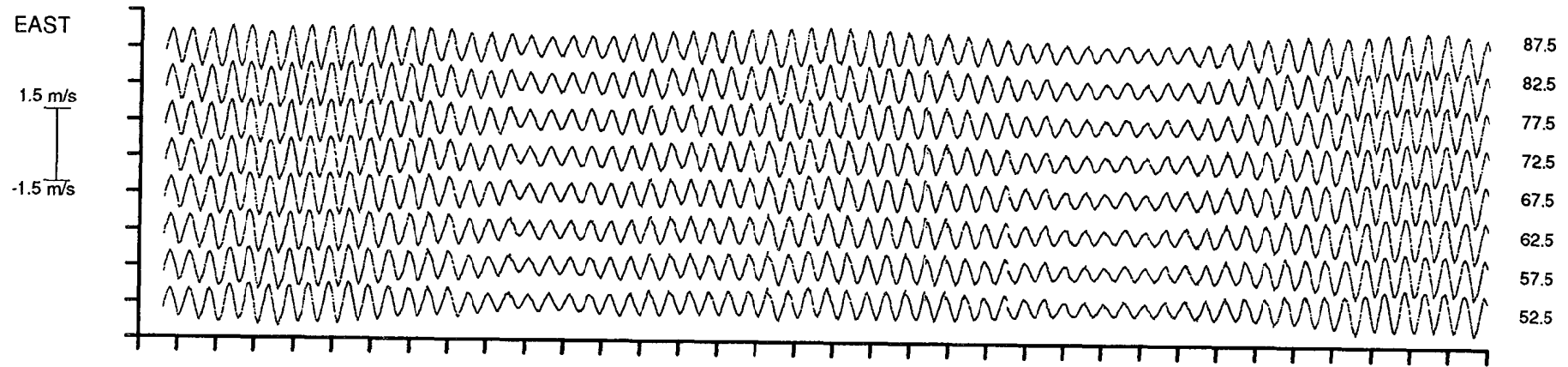
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

Feb Mar

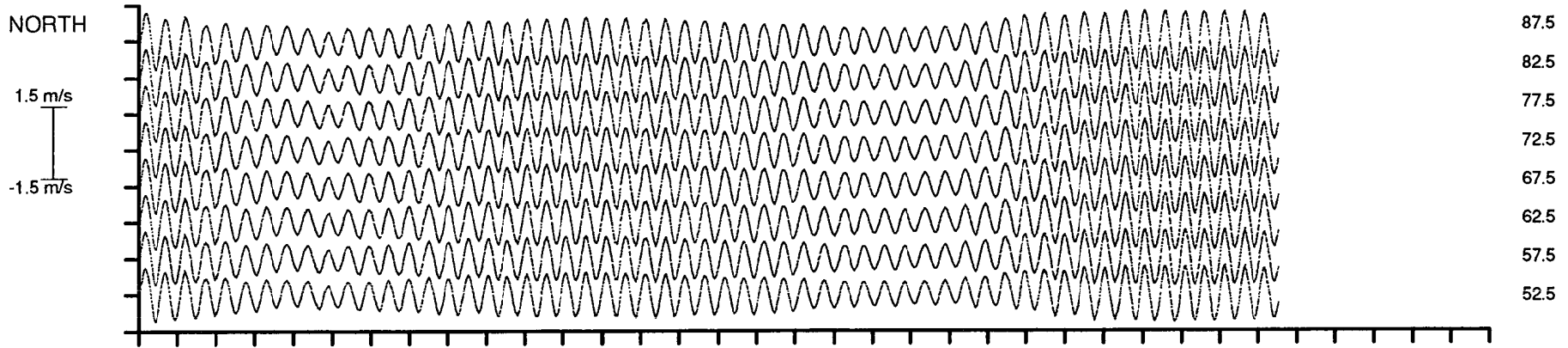
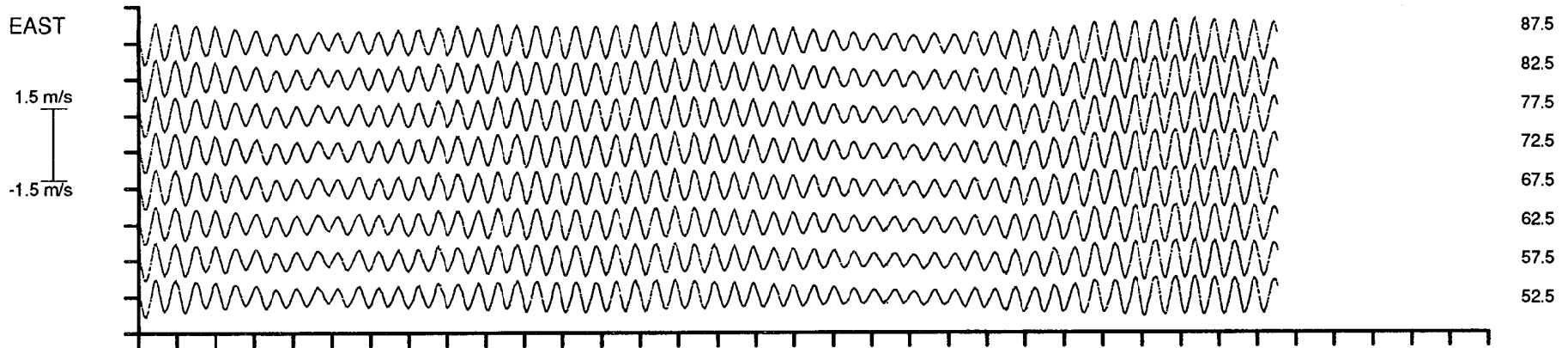
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

94

Mar Apr

May

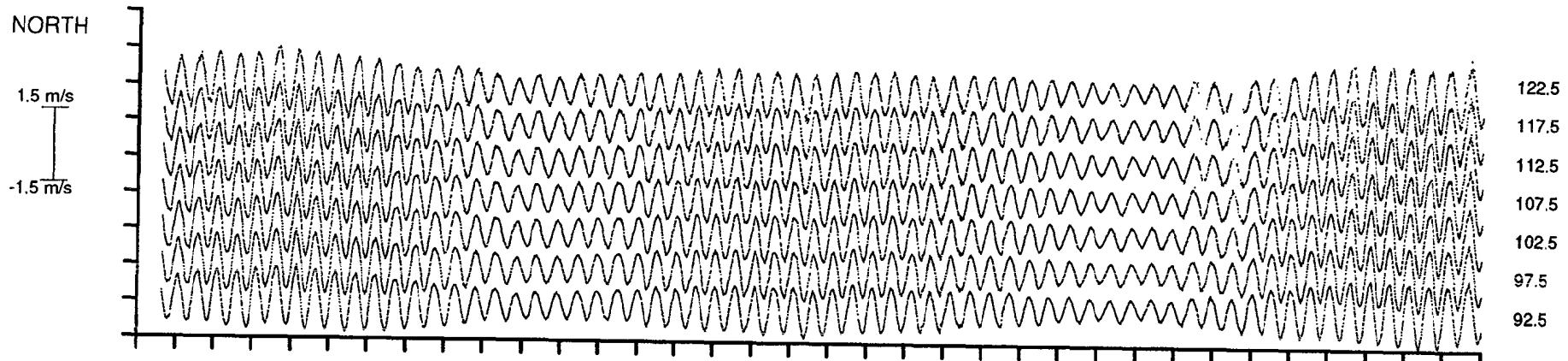
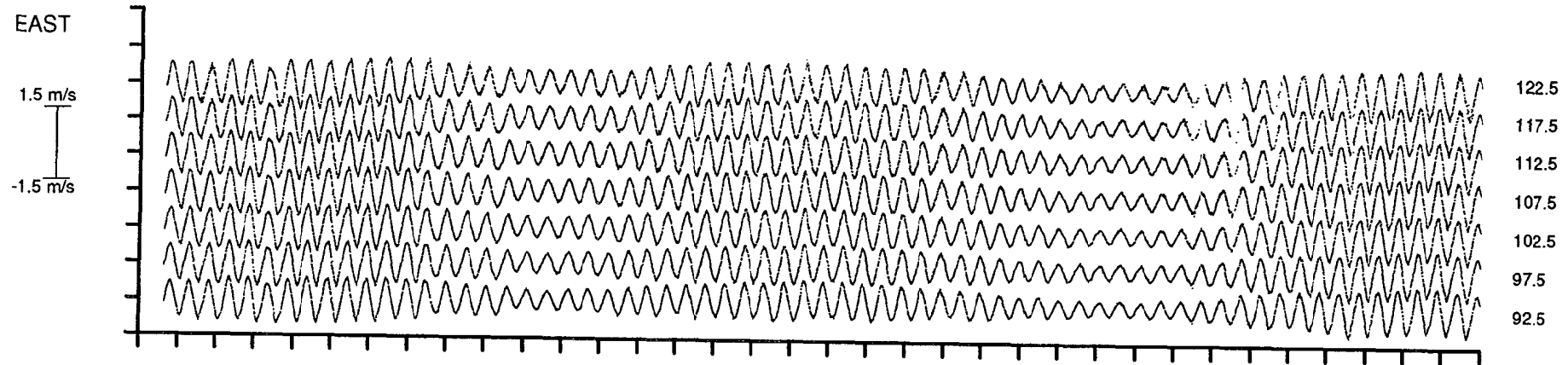
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



24 25 26 27 28 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
94 94
Feb Mar

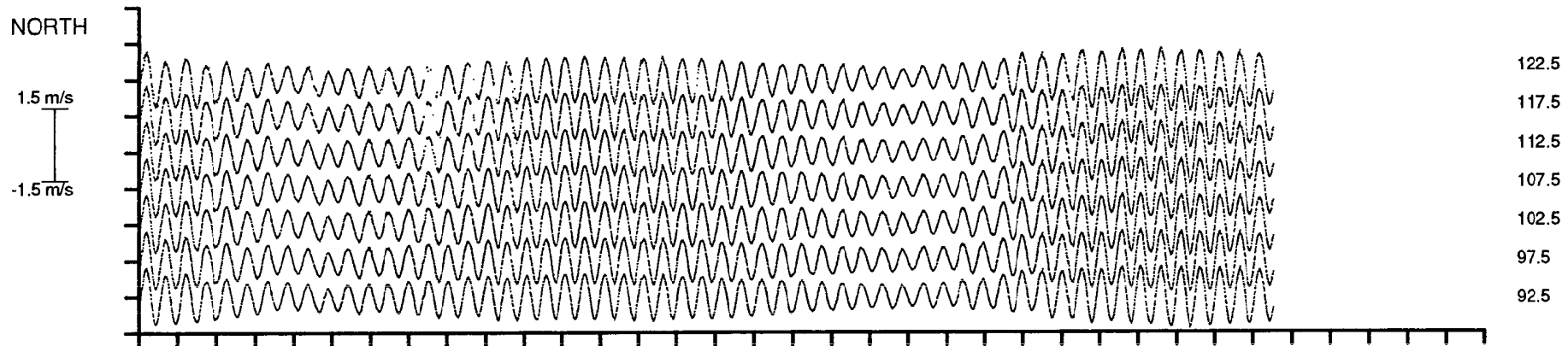
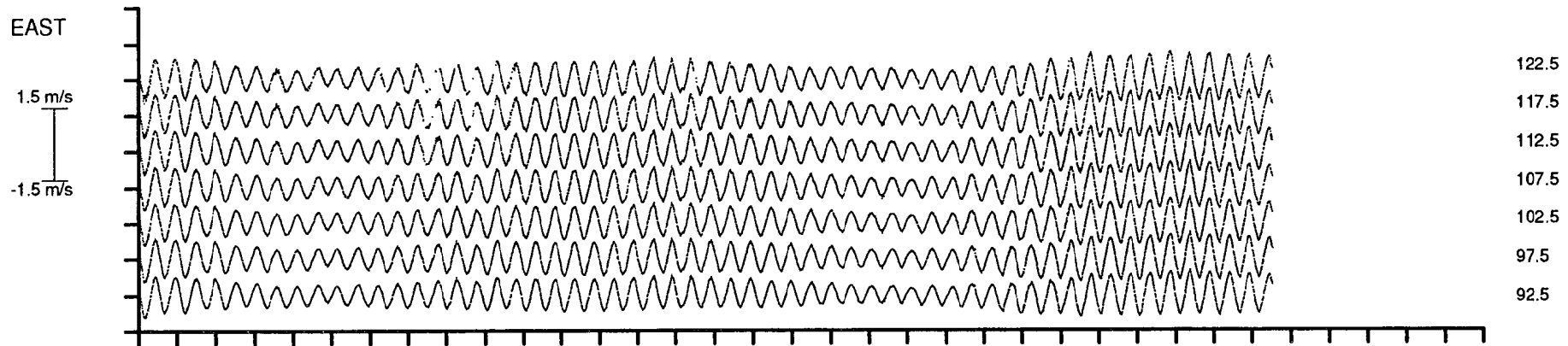
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

Mar Apr

94

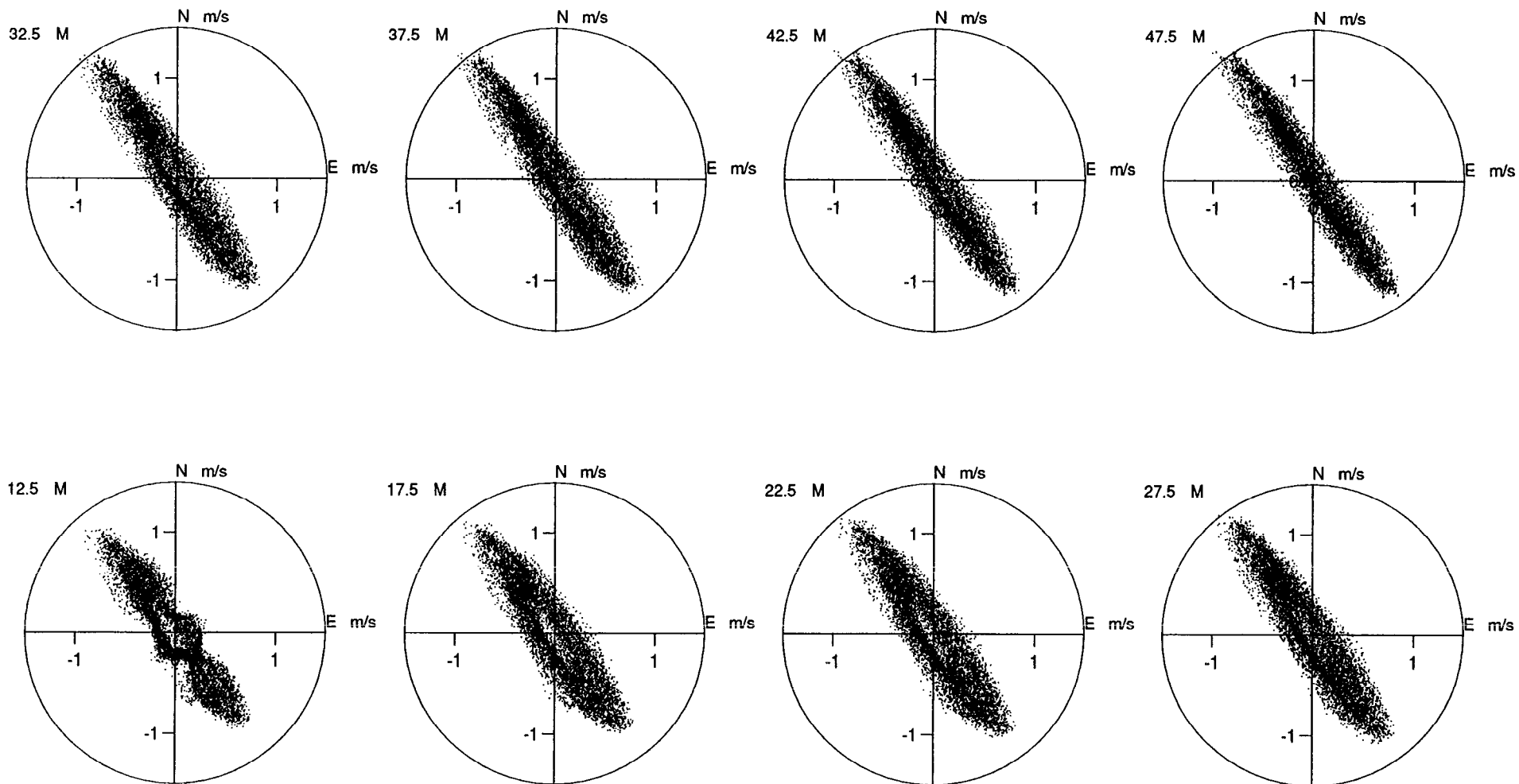
May

SCATTER PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

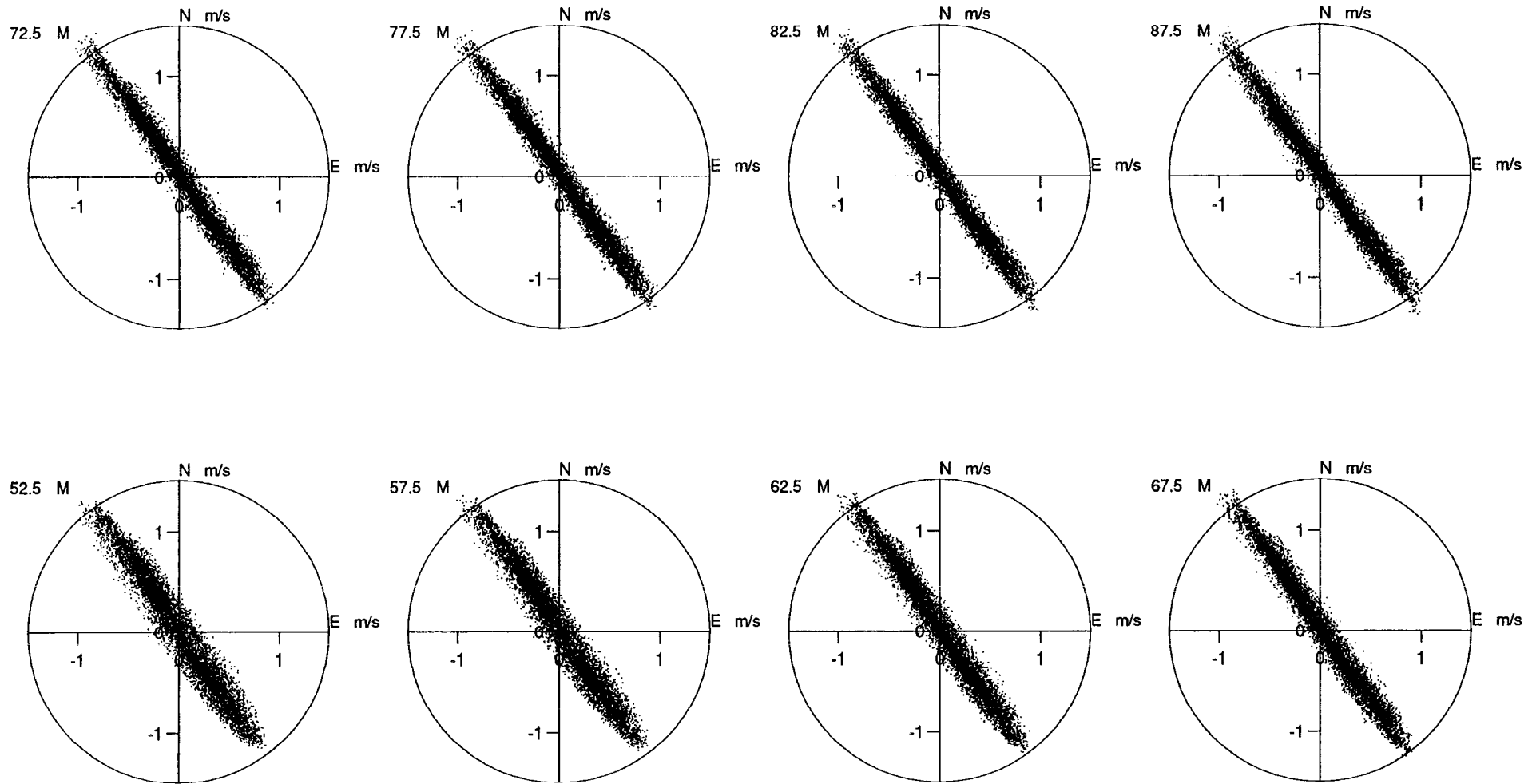


SCATTER PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

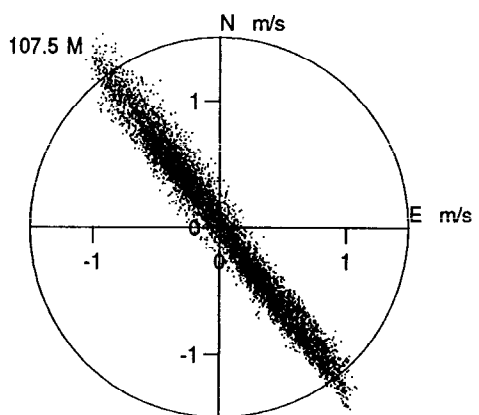
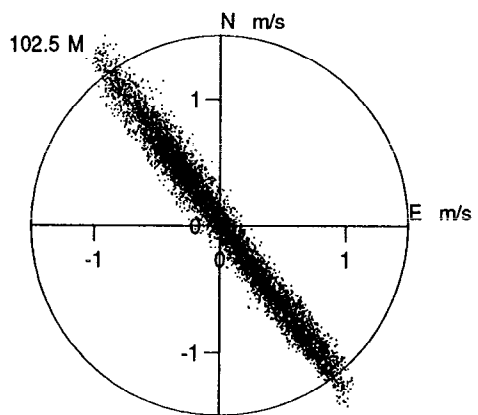
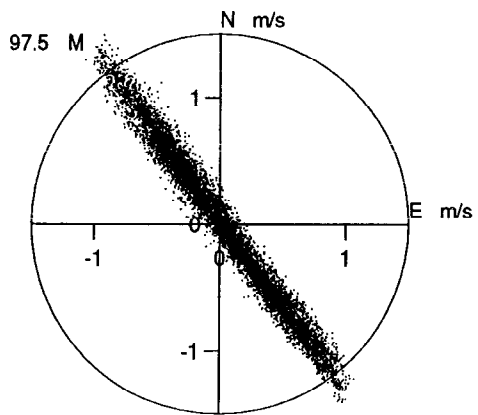
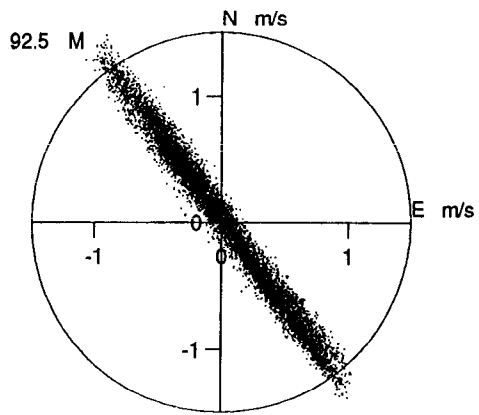
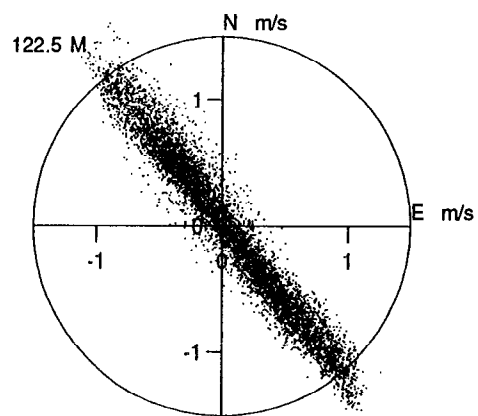
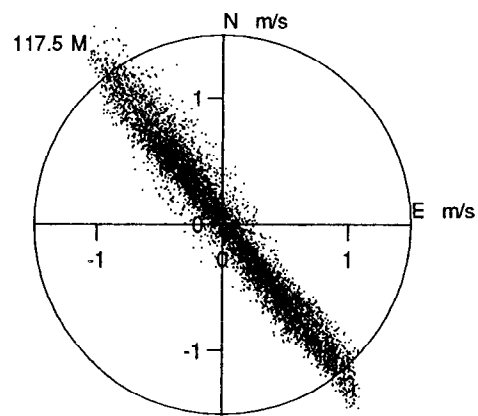
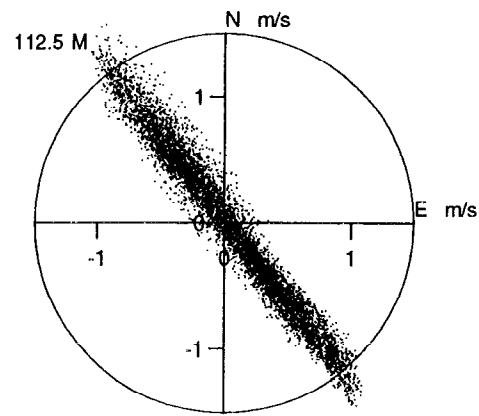


SCATTER PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht



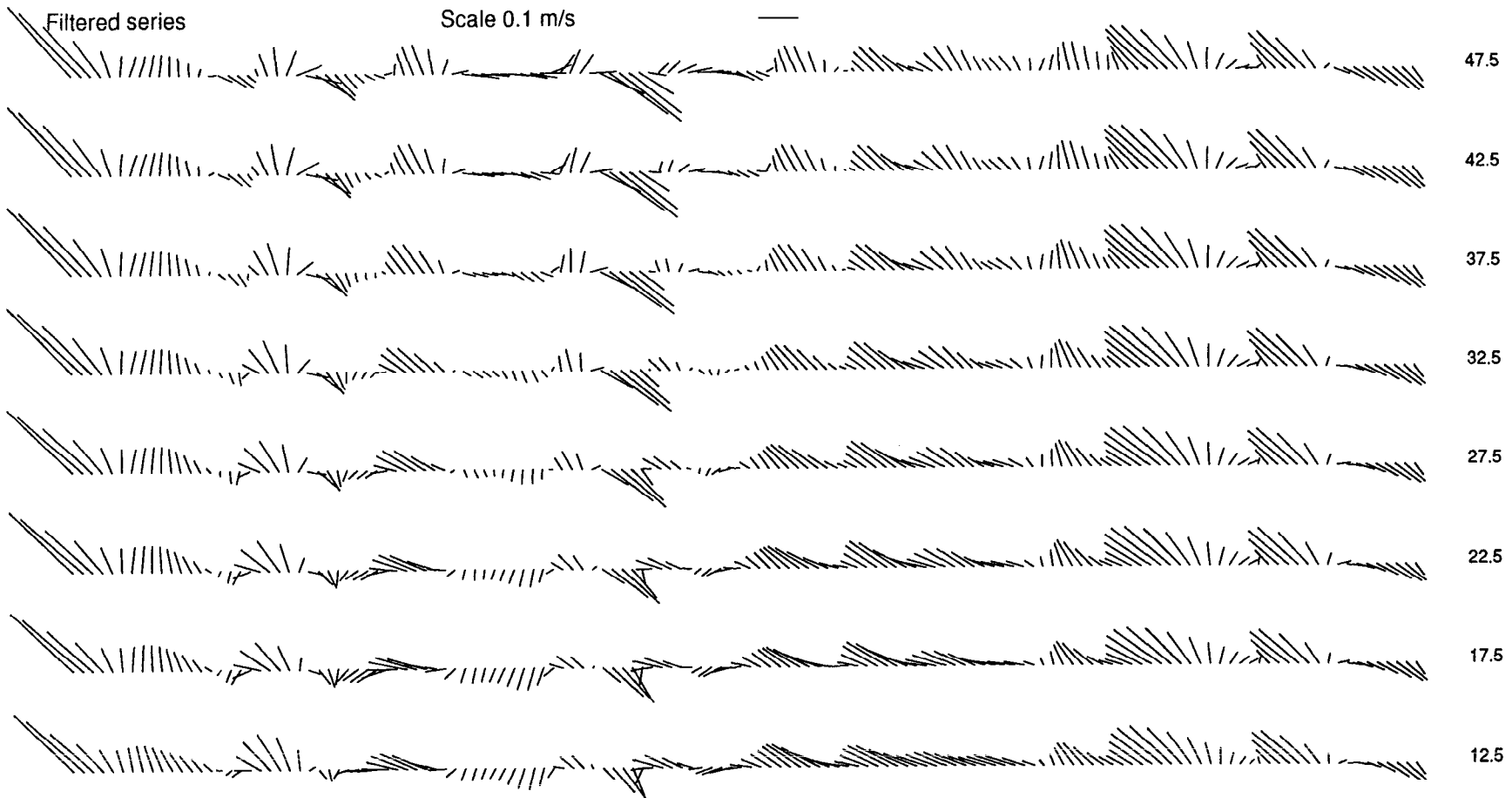
STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

94

Feb Mar

Apr

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

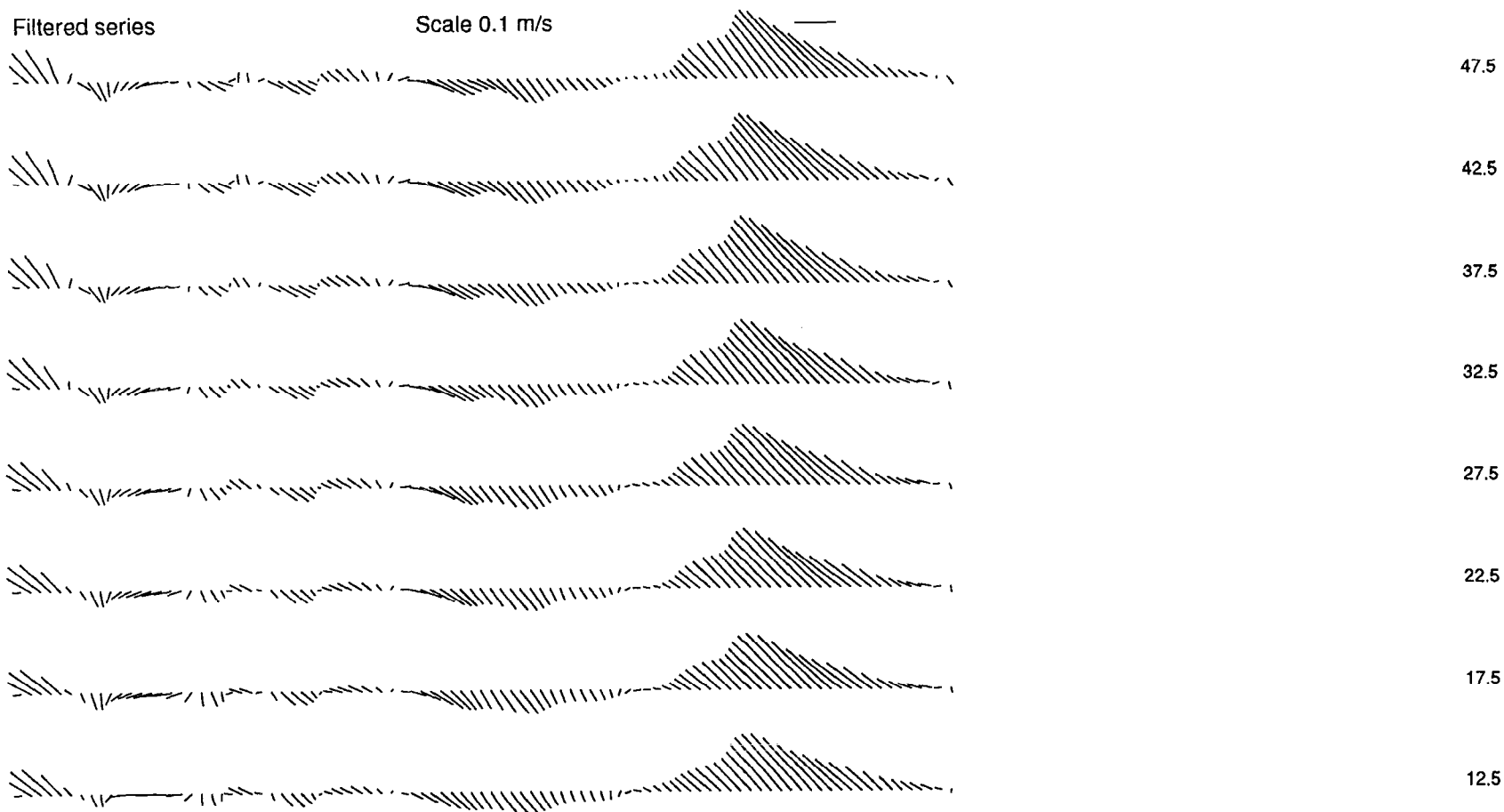
Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



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

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May

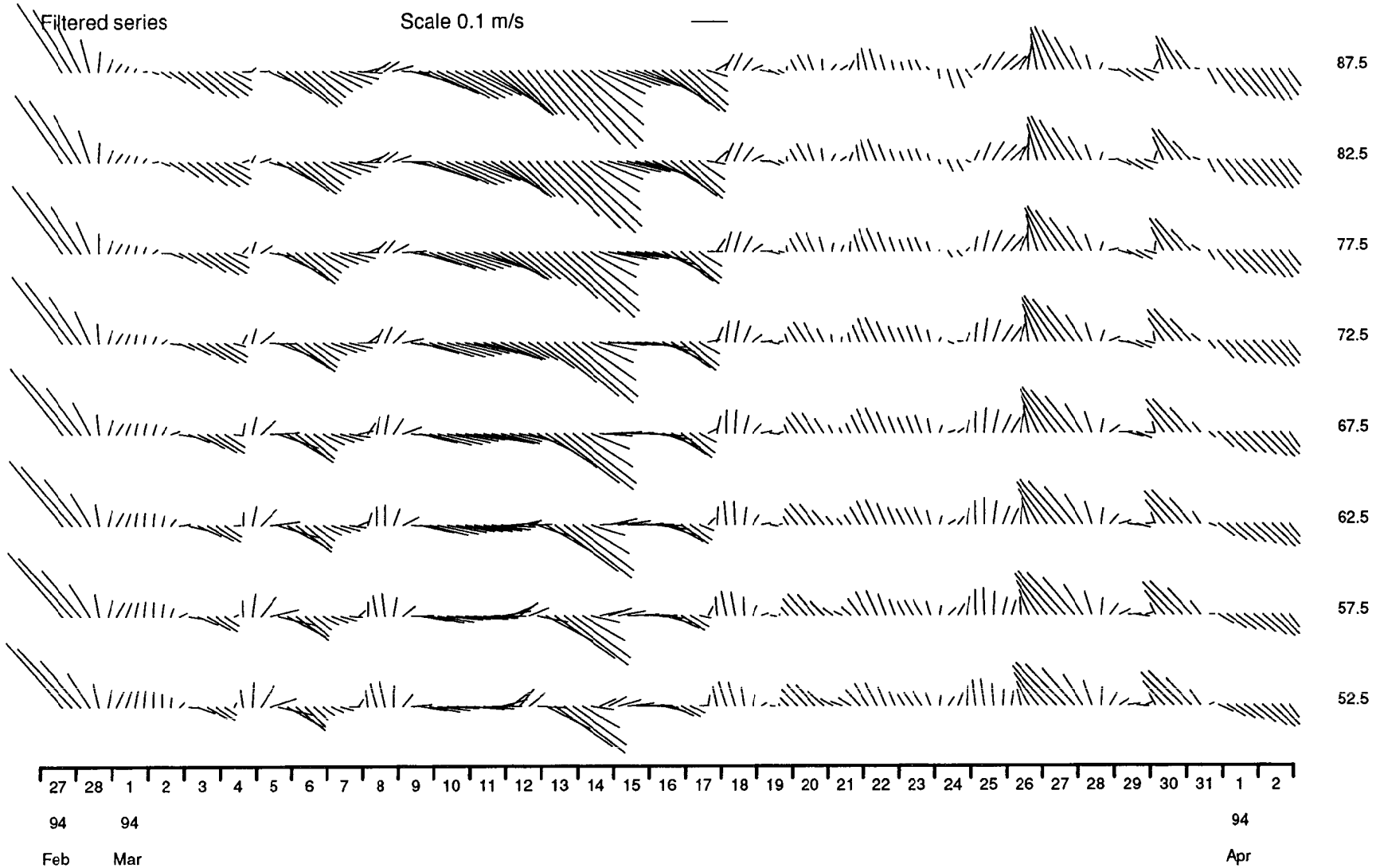
STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

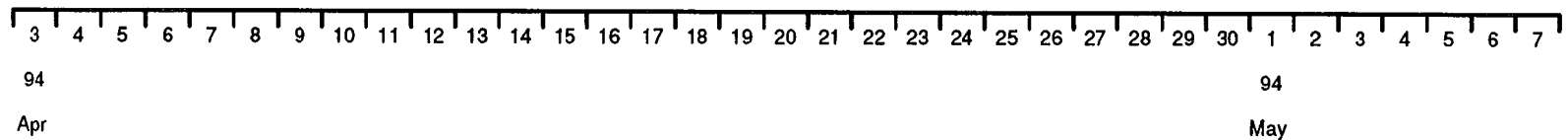
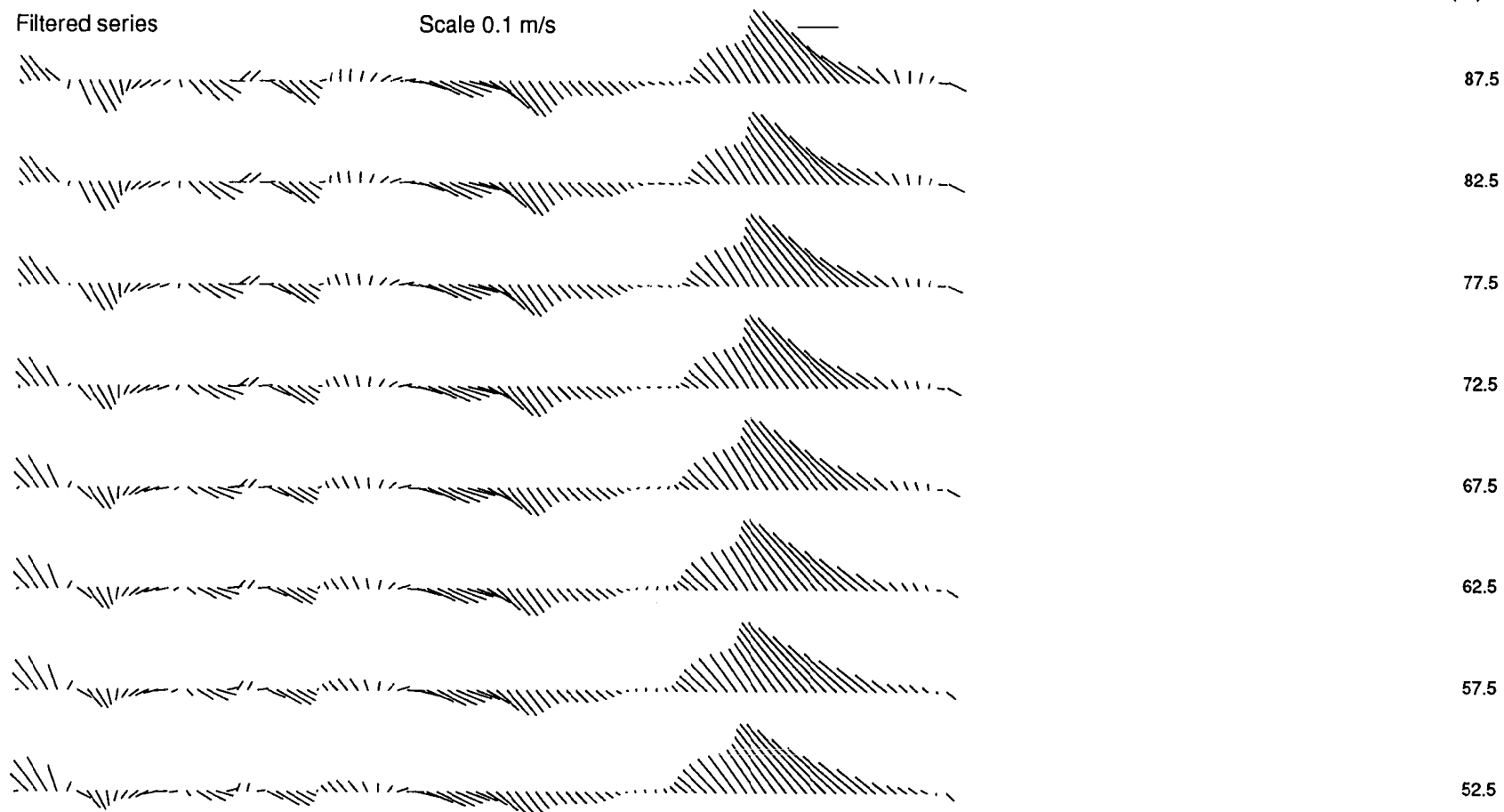
Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

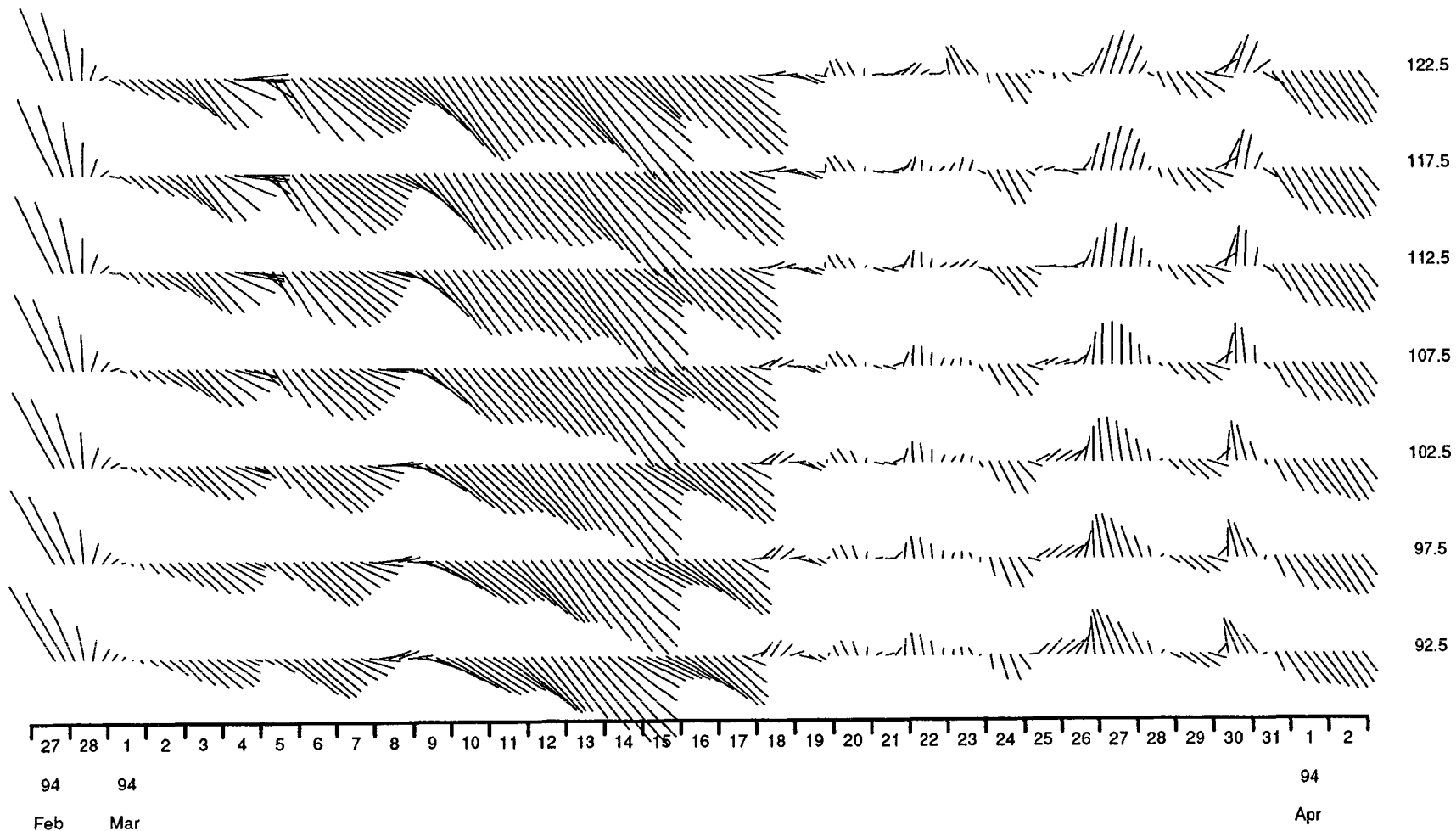
Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

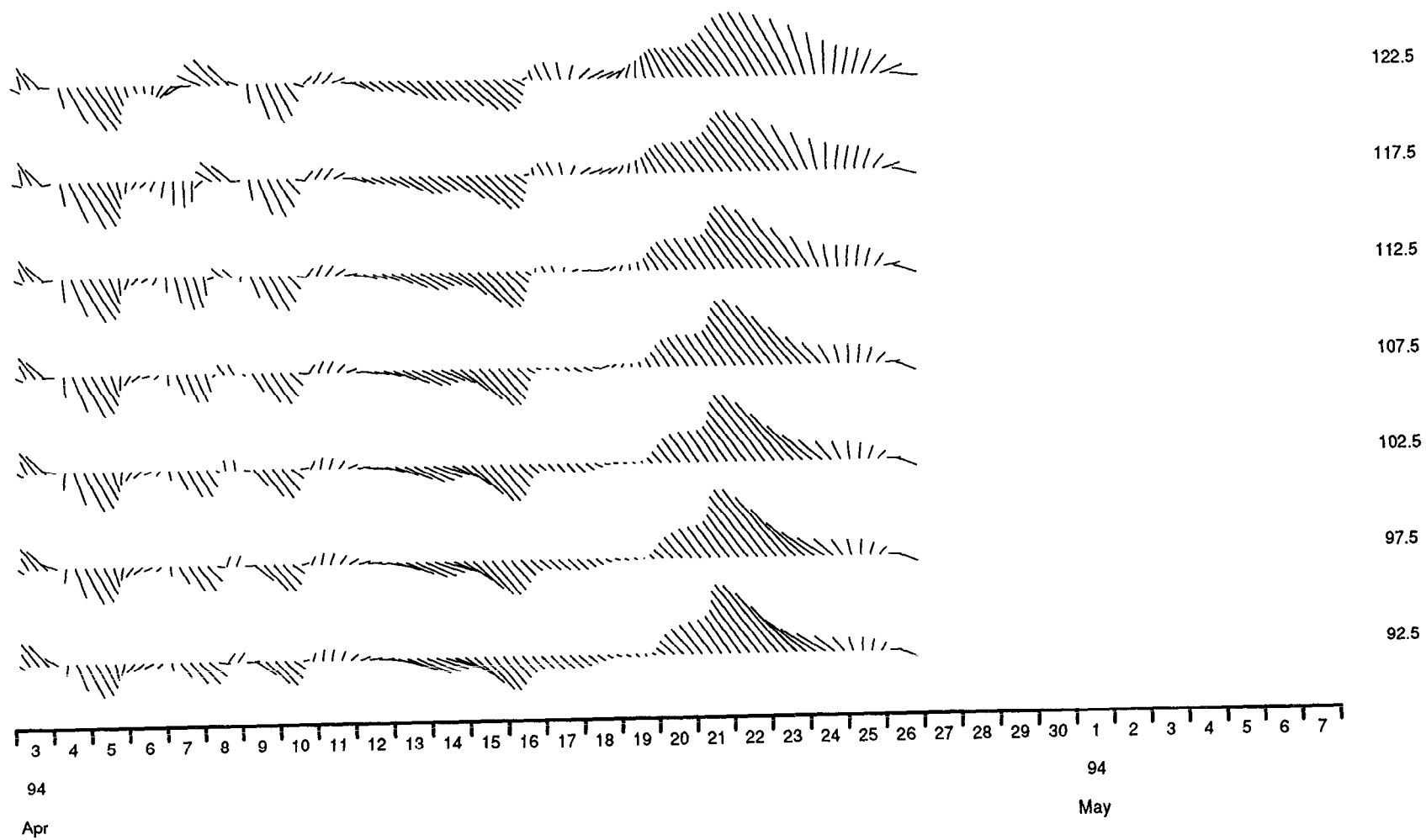
Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



Statistics for bb1149.00616

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.038	-59.2	0.3069	-35.6	0.0115	54.4
2	17.5	0.033	-64.8	0.3515	-34.5	0.0151	55.5
3	22.5	0.032	-57.0	0.3790	-34.0	0.0138	56.0
4	27.5	0.030	-48.7	0.4014	-33.7	0.0121	56.3
5	32.5	0.027	-39.0	0.4206	-33.5	0.0104	56.5
6	37.5	0.025	-27.7	0.4372	-33.5	0.0088	56.5
7	42.5	0.023	-14.8	0.4522	-33.5	0.0074	56.5
8	47.5	0.021	-2.0	0.4659	-33.6	0.0062	56.4
9	52.5	0.020	11.7	0.4791	-33.8	0.0052	56.2
10	57.5	0.020	26.0	0.4920	-34.0	0.0043	56.0
11	62.5	0.020	41.1	0.5053	-34.2	0.0036	55.8
12	67.5	0.021	55.5	0.5184	-34.5	0.0031	55.5
13	72.5	0.022	68.6	0.5314	-34.8	0.0027	55.2
14	77.5	0.024	81.3	0.5448	-35.2	0.0025	54.8
15	82.5	0.027	92.2	0.5581	-35.5	0.0024	54.5
16	87.5	0.030	101.1	0.5712	-35.9	0.0025	54.1
17	92.5	0.034	108.7	0.5832	-36.2	0.0027	53.8
18	97.5	0.038	113.5	0.5941	-36.6	0.0031	53.4
19	102.5	0.042	117.3	0.6037	-36.9	0.0035	53.1
20	107.5	0.047	120.2	0.6121	-37.3	0.0041	52.7
21	112.5	0.052	121.1	0.6198	-37.6	0.0049	52.4
22	117.5	0.057	121.6	0.6267	-38.0	0.0059	52.0
23	122.5	0.065	121.7	0.6225	-38.2	0.0071	51.8

Statistics for bb1149.00616

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.037	-61.9	0.0033	-45.8	0.0003	44.2
2	17.5	0.034	-67.4	0.0036	-47.8	0.0005	42.2
3	22.5	0.032	-59.3	0.0038	-47.0	0.0004	43.0
4	27.5	0.029	-50.4	0.0041	-46.6	0.0003	43.4
5	32.5	0.026	-40.2	0.0043	-46.4	0.0003	43.6
6	37.5	0.024	-28.0	0.0046	-46.6	0.0003	43.4
7	42.5	0.022	-13.8	0.0048	-47.0	0.0003	43.0
8	47.5	0.021	0.0	0.0051	-47.8	0.0003	42.2
9	52.5	0.020	14.8	0.0054	-48.4	0.0004	41.6
10	57.5	0.020	29.7	0.0057	-48.6	0.0004	41.4
11	62.5	0.020	45.3	0.0061	-48.5	0.0004	41.5
12	67.5	0.021	59.7	0.0064	-48.3	0.0004	41.7
13	72.5	0.023	72.5	0.0068	-47.6	0.0004	42.4
14	77.5	0.025	85.4	0.0072	-46.5	0.0004	43.5
15	82.5	0.028	96.2	0.0076	-45.1	0.0004	44.9
16	87.5	0.032	104.9	0.0080	-43.3	0.0005	46.7
17	92.5	0.036	112.3	0.0084	-41.7	0.0005	48.3
18	97.5	0.040	116.7	0.0090	-40.1	0.0004	49.9
19	102.5	0.044	120.5	0.0095	-38.7	0.0004	51.3
20	107.5	0.049	123.0	0.0102	-37.5	0.0004	52.5
21	112.5	0.054	123.5	0.0110	-36.6	0.0005	53.4
22	117.5	0.057	123.7	0.0120	-36.4	0.0006	53.6
23	122.5	0.060	122.3	0.0133	-36.8	0.0007	53.2

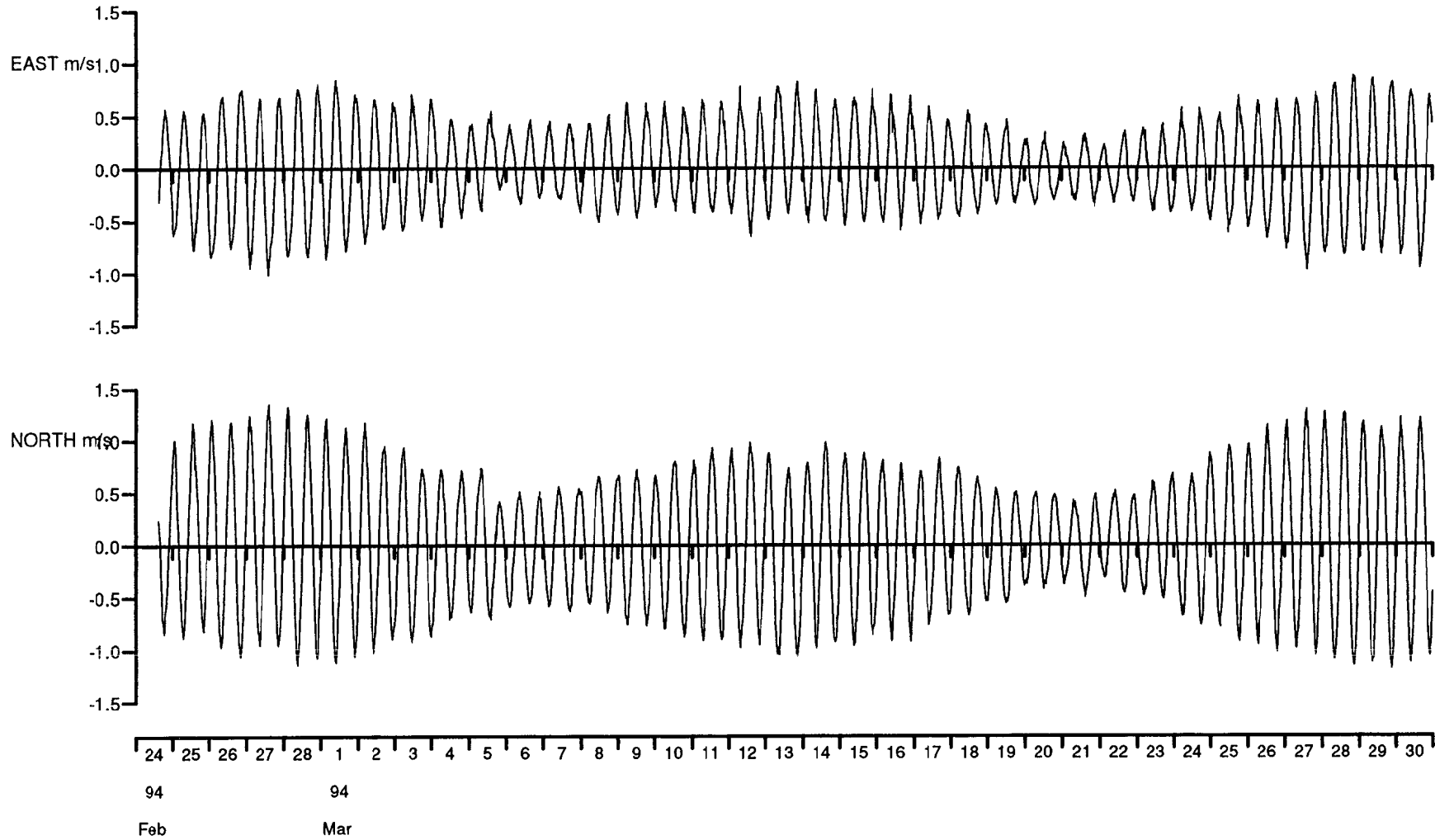
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



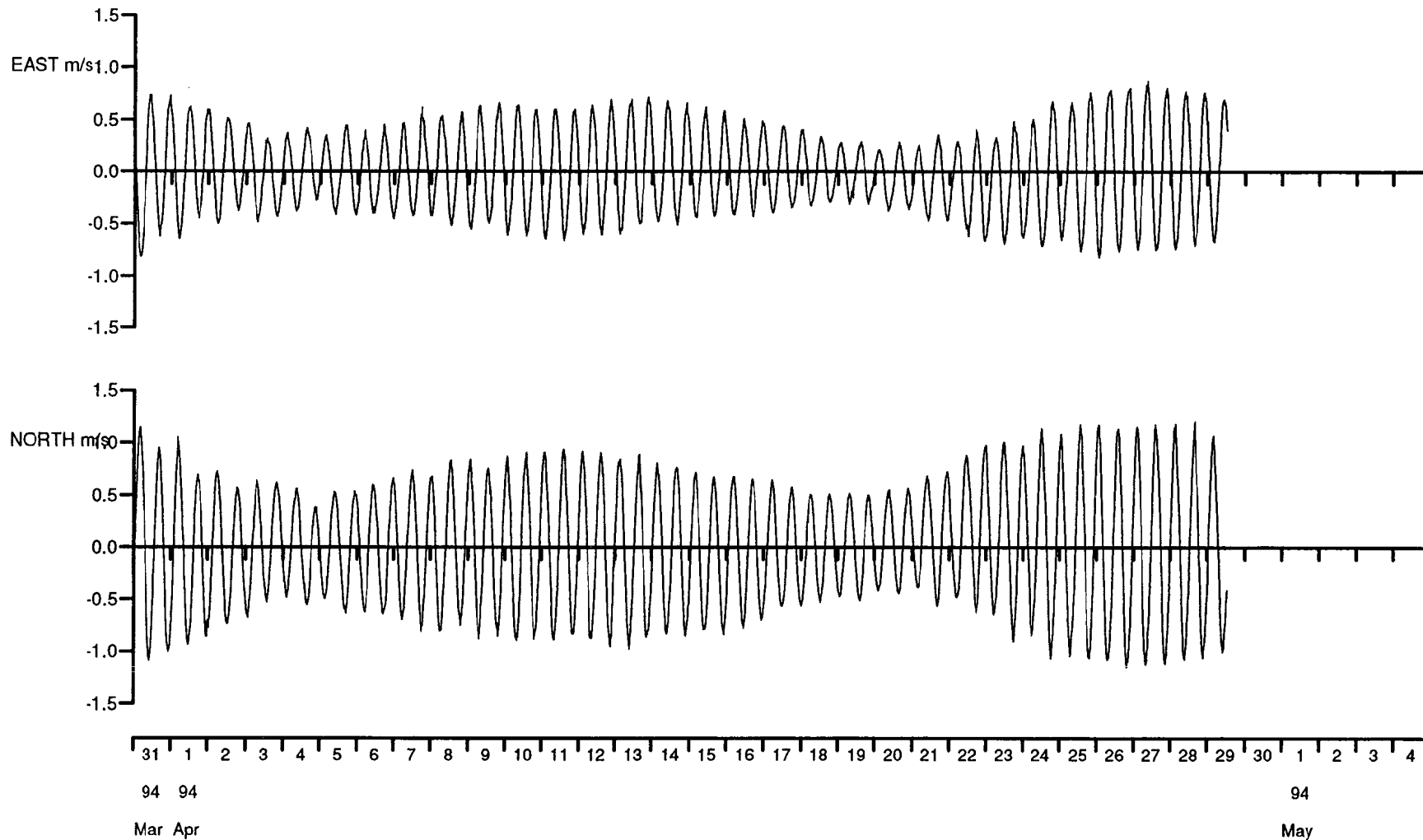
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



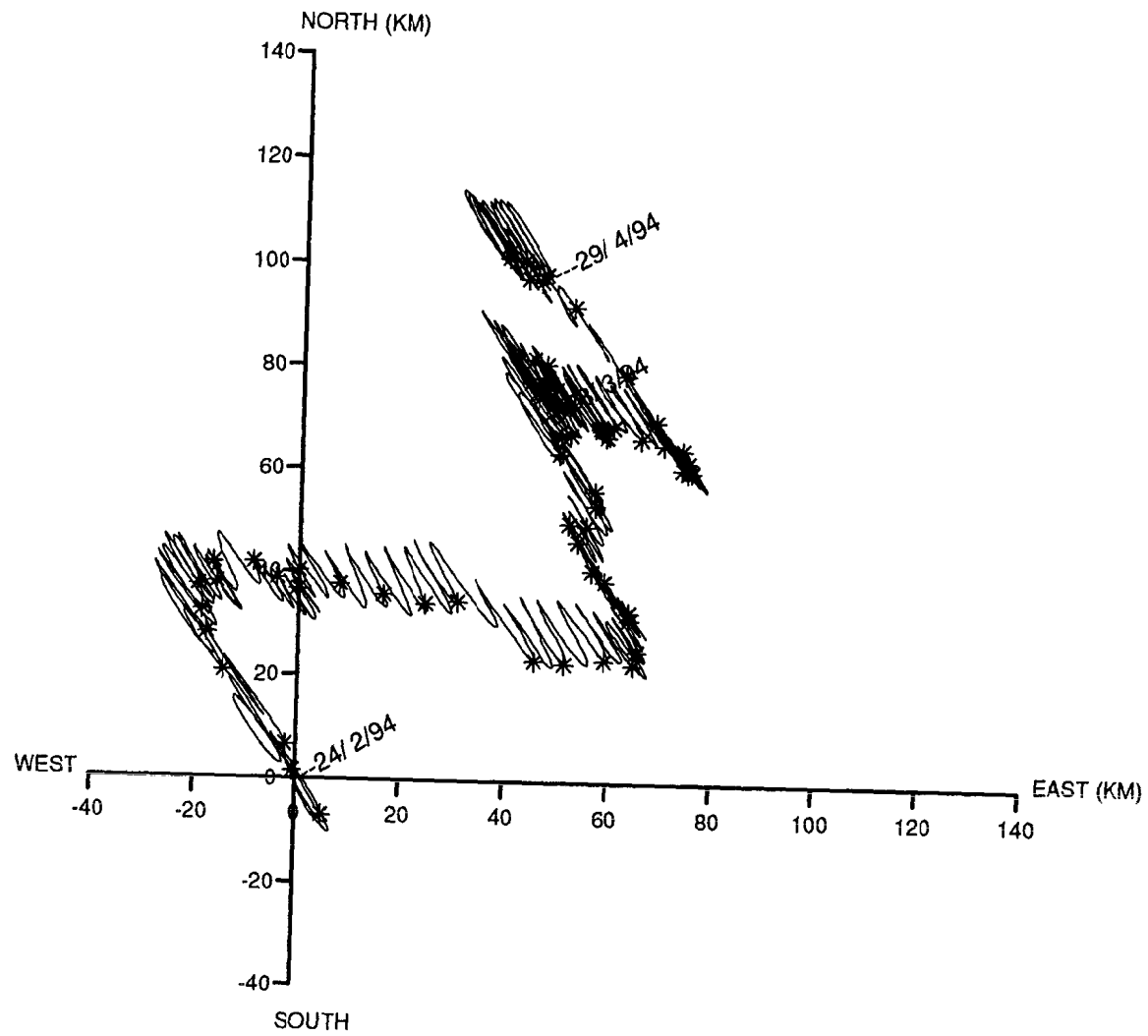
VECTOR PLOT

Meter no. 1149 Rig no. 00616 Depth of water(m) 146.0

Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00

Position 54 46.10N 05 24.10W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1149.00616s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0087	0.15672836E+00	0.39588931E+00
Northings	0.0178	0.33963871E+00	0.58278531E+00
Speed	0.6121	0.12208375E+00	0.34940487E+00
Vector mean speed	0.0198		
Vector Mean Direction	26.0		

Maximum ten values

Eastings					Northings				
0.874	0.872	0.863	0.863	0.857	1.349	1.323	1.315	1.309	1.306
0.850	0.849	0.845	0.843	0.843	1.299	1.292	1.291	1.283	1.281

Minimum ten values

Eastings					Northings				
-0.939	-0.944	-0.945	-0.946	-0.948	-1.138	-1.140	-1.141	-1.144	-1.148
-0.949	-0.955	-0.976	-0.982	-1.010	-1.150	-1.150	-1.155	-1.159	-1.183

Maximum speeds

1.651	1.649	1.628	1.596	1.587	1.566	1.557	1.552	1.550	1.547
1.543	1.530	1.525	1.524	1.524	1.522	1.522	1.515	1.514	1.513
1.512	1.512	1.510	1.504	1.504	1.501	1.500	1.499	1.496	1.493
1.492	1.487	1.486	1.486	1.482	1.481	1.478	1.478	1.477	1.477
1.476	1.473	1.471	1.471	1.471	1.471	1.471	1.466	1.465	1.465
1.459	1.459	1.459	1.458	1.454	1.450	1.444	1.442	1.440	1.439
1.438	1.437	1.436	1.433	1.430	1.430	1.426	1.425	1.424	1.421
1.418	1.416	1.416	1.413	1.413	1.413	1.413	1.412	1.411	1.411
1.408	1.407	1.406	1.406	1.405	1.405	1.405	1.405	1.404	1.402
1.401	1.401	1.400	1.400	1.398	1.398	1.397	1.396	1.396	1.396

Variance ellipse statistics

Maximum variance	0.4920E+00	Direction	-34.0
Minimum variance	0.4321E-02	Direction	56.0
Total variance	0.4964E+00	Ratio of variances	0.8782E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			3.8
Average direction. maxdir +PI/2 to maxdir -PI/2			178.2

Statistics for bb1149.00616s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0097	0.33798360E-02	0.58136359E-01
Northings	0.0170	0.27189765E-02	0.52143801E-01
Speed	0.0657	0.21514513E-02	0.46383739E-01
Vector mean speed	0.0195		
Vector Mean Direction	29.7		

Maximum ten values

Eastings					Northings				
0.177	0.165	0.157	0.128	0.117	0.178	0.171	0.170	0.162	0.159
0.108	0.106	0.097	0.096	0.094	0.156	0.137	0.136	0.128	0.120

Minimum ten values

Eastings					Northings				
-0.106	-0.108	-0.119	-0.120	-0.133	-0.058	-0.060	-0.061	-0.061	-0.067
-0.137	-0.144	-0.146	-0.147	-0.153	-0.069	-0.072	-0.118	-0.120	-0.139

Maximum speeds

0.235	0.225	0.225	0.219	0.219	0.214	0.205	0.197	0.196	0.191
0.168	0.167	0.166	0.160	0.155	0.147	0.143	0.142	0.142	0.136
0.132	0.128	0.126	0.123	0.121	0.119	0.118	0.113	0.113	0.111
0.109	0.106	0.106	0.099	0.097	0.097	0.097	0.096	0.094	0.094
0.094	0.094	0.093	0.093	0.092	0.091	0.091	0.091	0.089	0.088
0.087	0.087	0.087	0.086	0.084	0.083	0.083	0.081	0.081	0.081
0.081	0.080	0.080	0.080	0.079	0.078	0.078	0.078	0.077	0.077
0.077	0.076	0.074	0.074	0.073	0.073	0.073	0.073	0.073	0.072
0.072	0.072	0.072	0.070	0.069	0.068	0.068	0.068	0.067	0.067
0.066	0.066	0.066	0.066	0.064	0.064	0.064	0.063	0.063	0.063

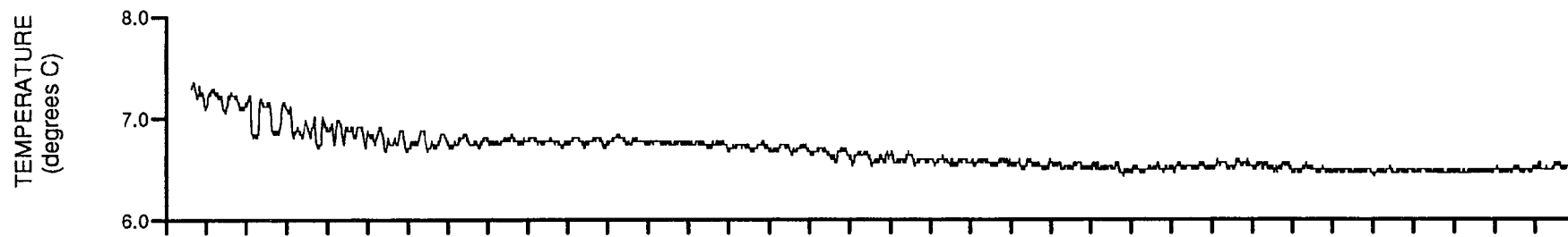
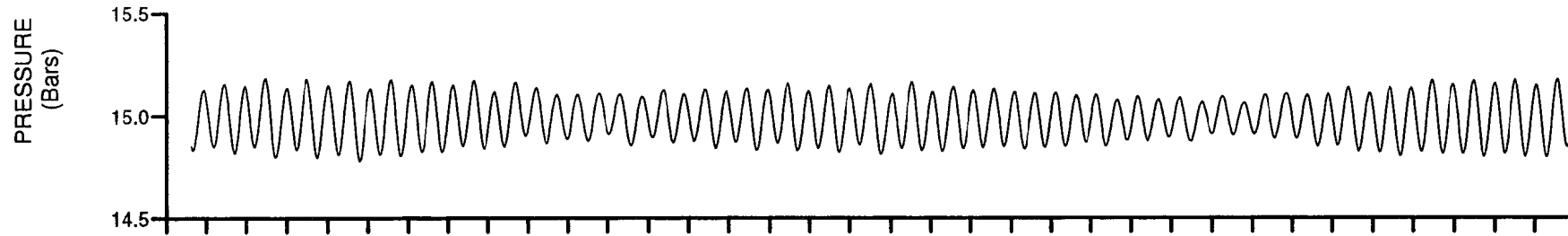
Variance ellipse statistics

Maximum variance	0.5697E-02	Direction	-48.6
Minimum variance	0.4018E-03	Direction	41.4
Total variance	0.6099E-02	Ratio of variances	0.7053E-01
Average direction. maxdir -PI/2 to maxdir +PI/2	28.0		
Average direction. maxdir +PI/2 to maxdir -PI/2	158.2		

Meter information details for 0445

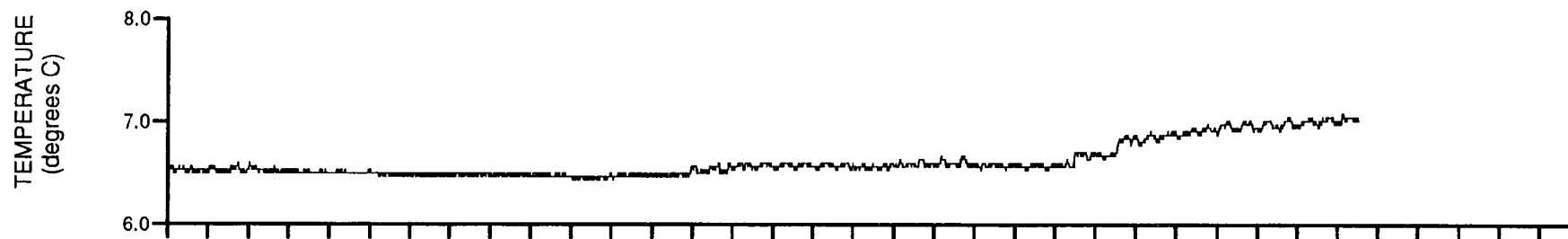
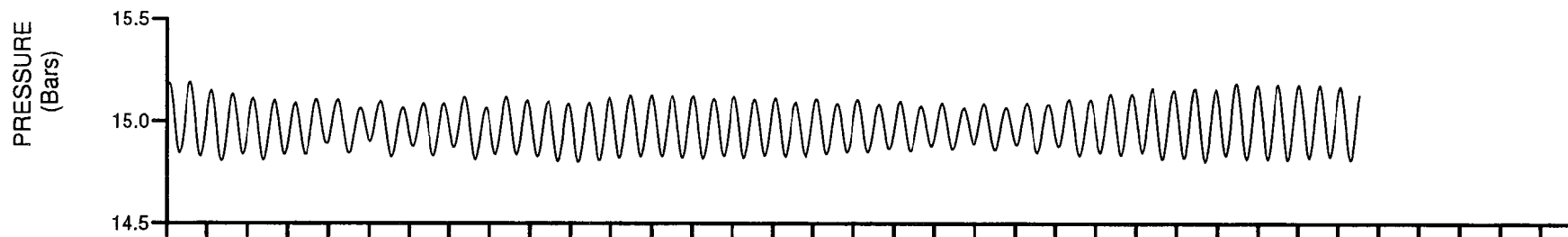
Rig No	:	00616
Meter No	:	0445
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	24-FEB-94 10:20:31
Meter stopped	:	29-APR-94 18:11:09
Period switched on	:	64.3 days
Period of good data	:	63.9 days
Total number of scans	:	9202
Timing error	:	38 seconds slow
Comments	:	Good record obtained

Meter no. 0445 Rig no. 00616 Depth of water(m) 146.0
Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00
Position 54 46.10N 05 24.10W Meter Height(m) 0.5



24 25 26 27 28 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
94 94
Feb Mar

Meter no. 0445 Rig no. 00616 Depth of water(m) 146.0
Start/End 1994/02/24 AT 15:04:00 1994/04/29 AT 12:43:00
Position 54 46.10N 05 24.10W Meter Height(m) 0.5



31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4
94 94 94
Mar Apr May

Rig information details for 00619

Position Latitude	:	54 46.05N
Position Longitude	:	05 23.80W
Water depth	:	147.0 m
Deployed on cruise	:	C112
Recovered on cruise	:	CORYSTES
Site name identification	:	EA6
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	30-APR-94 01:57:10
Rig recovered on	:	14-JUN-94 13:57:10
Period of deployment	:	45.5 days
Comments	:	Launch and recovery successful

Meter information details for 1149

Rig No : 00619
Meter No : 1149
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 30-APR-94 01:47:10
Meter stopped : 14-JUN-94 14:07:10
Period switched on : 45.5 days
Period of good data : 45.5 days
Total number of scans : 6552
Timing error : None
Comments : Good record obtained
Bin (26) - 71 flagged errors
Bin (25) - 22 flagged errors
Bin (24) - 19 flagged errors
Bin (23) - 14 flagged errors
Bin (22) - 10 flagged errors
Bin (21) - 4 flagged errors
Bin (1) - 12 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)
Scatter plot for bin(26) shows two
ellipses therefore it has been omitted

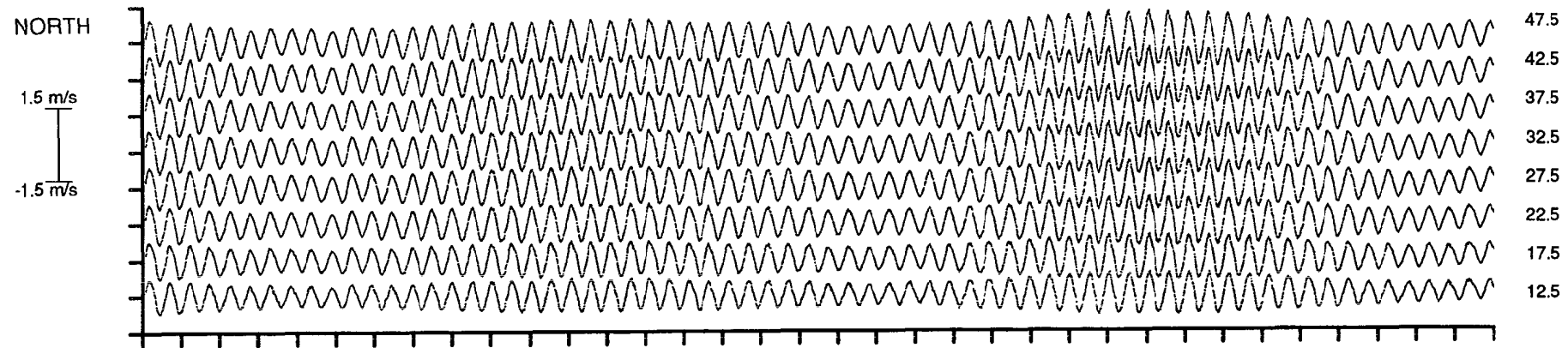
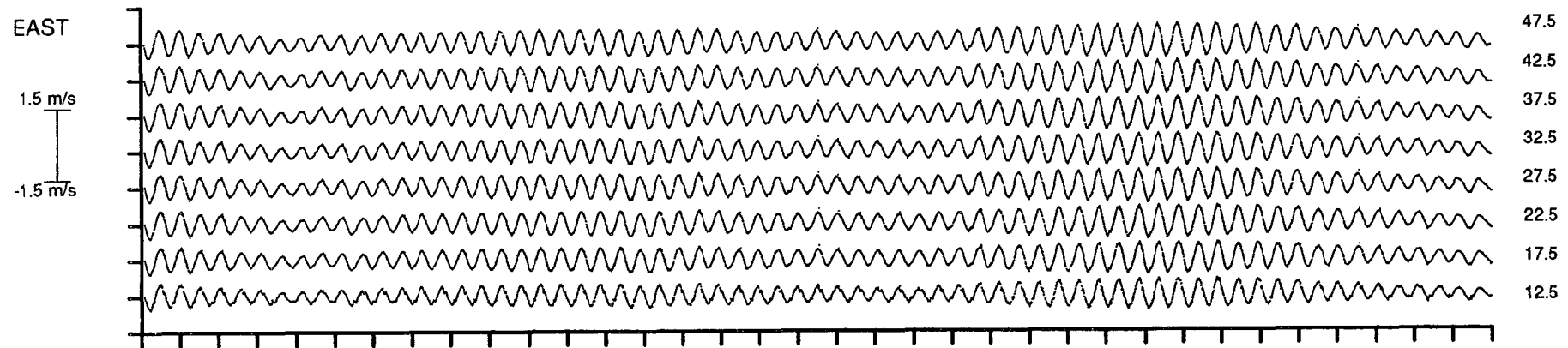
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

94

Apr May

Jun

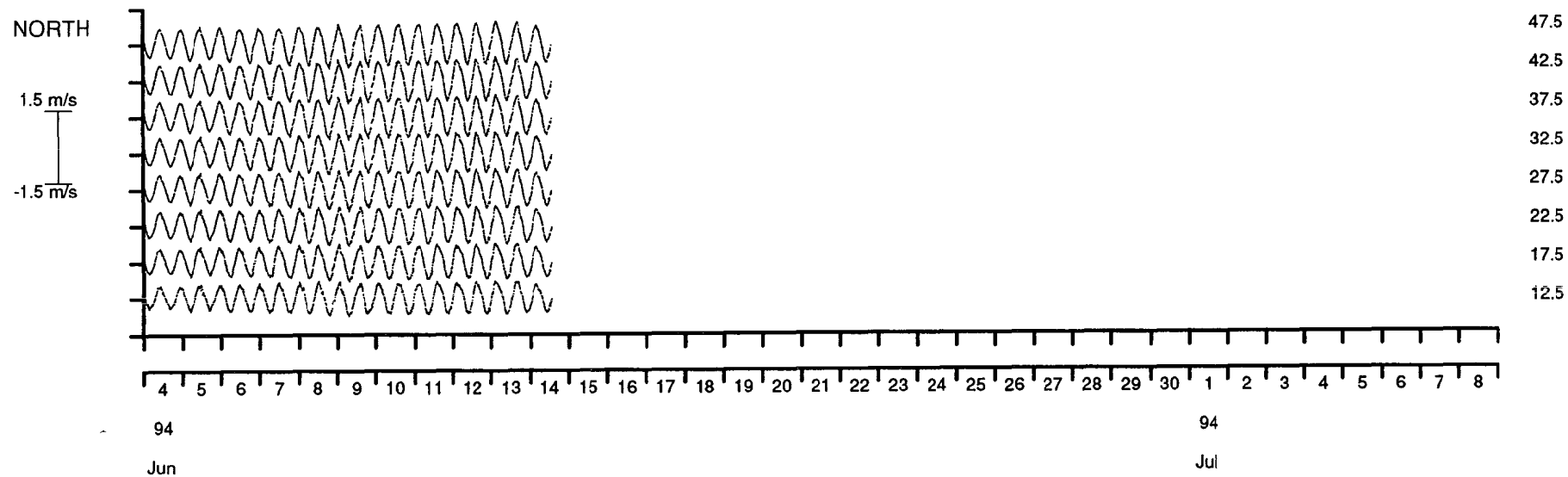
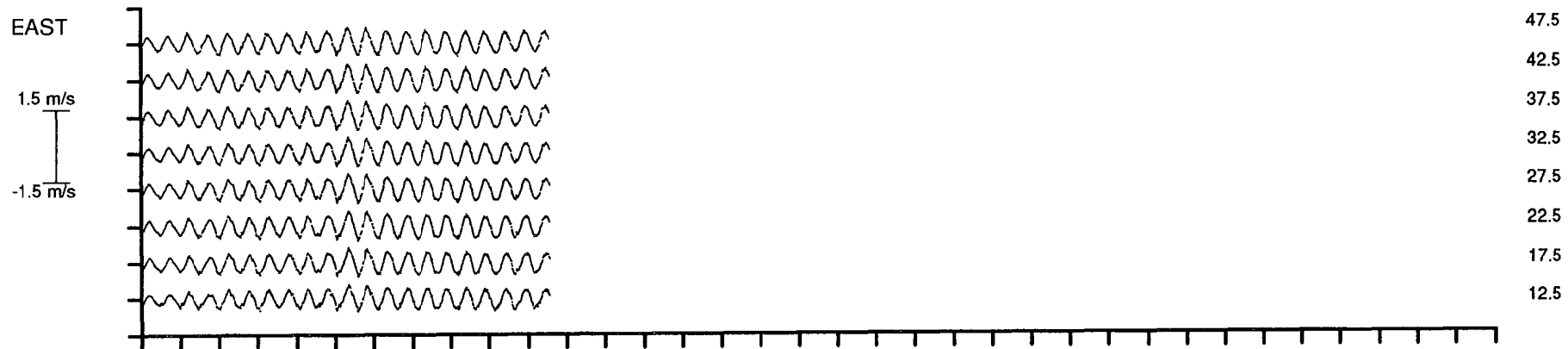
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



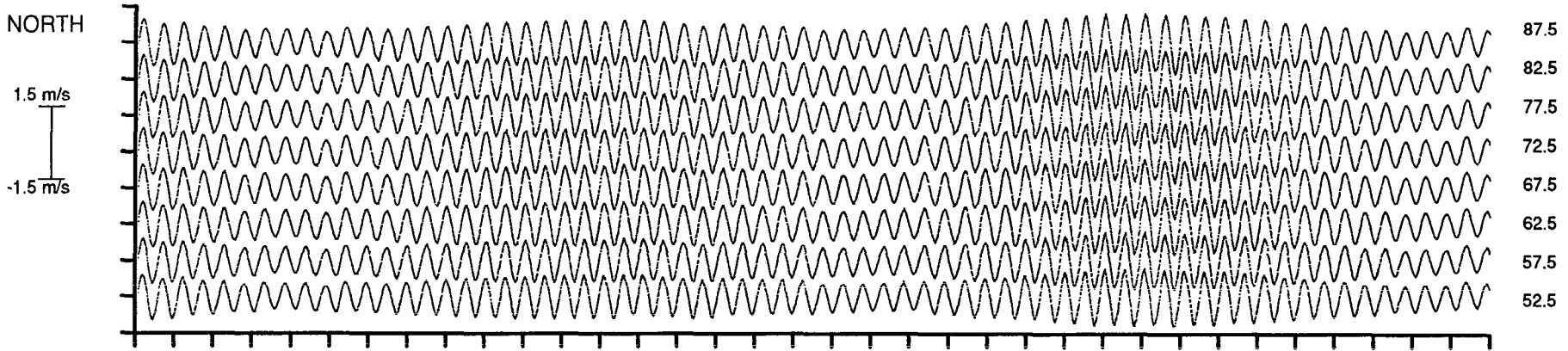
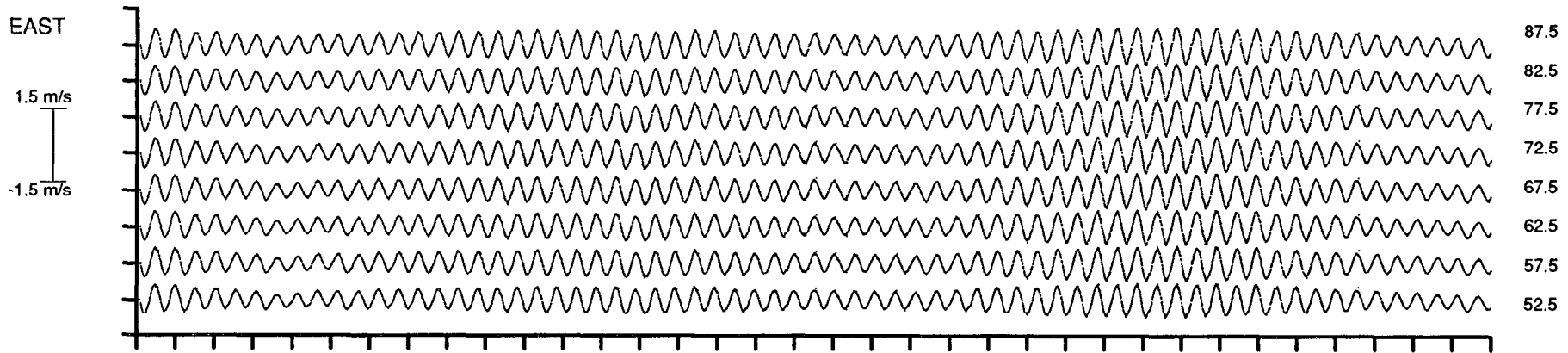
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

Apr May

94

Jun

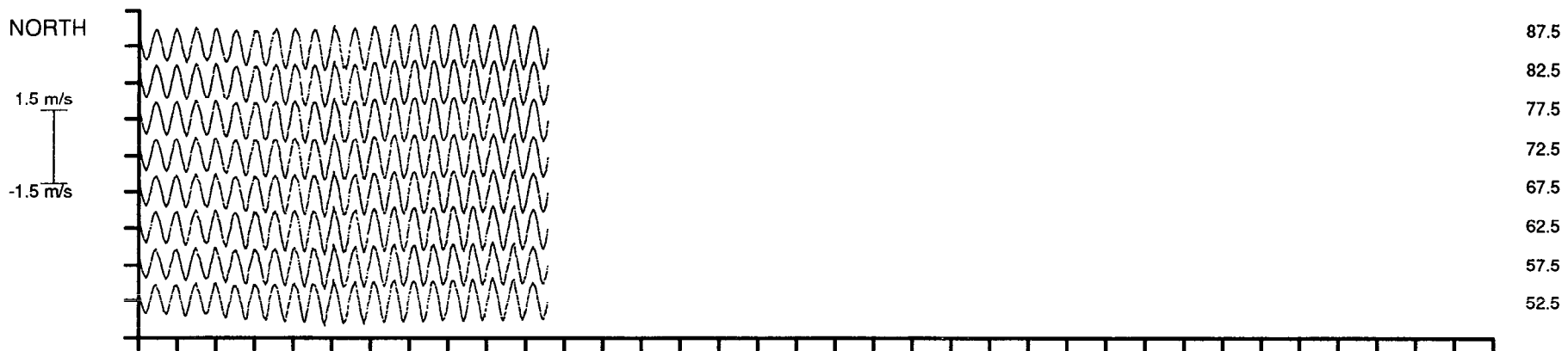
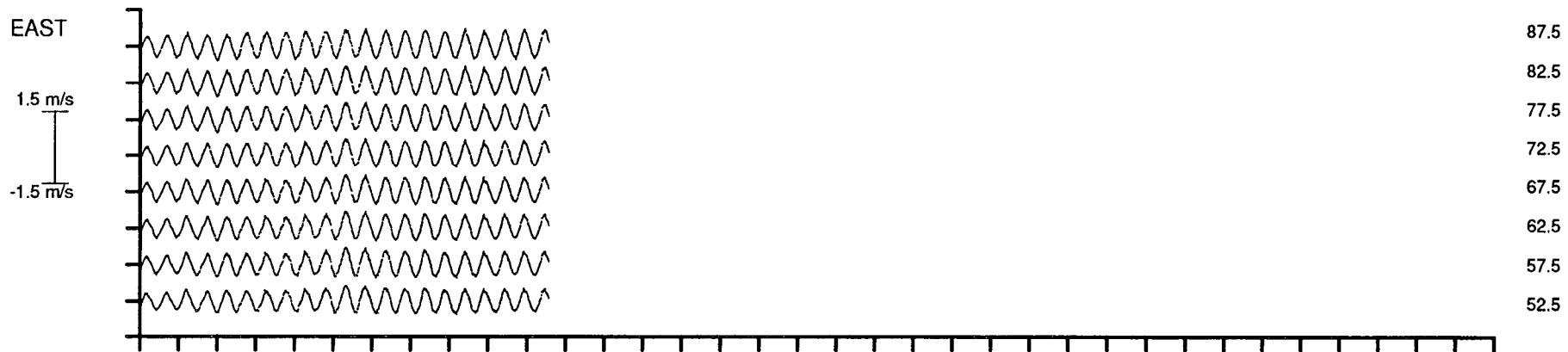
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94

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Jun

Jul

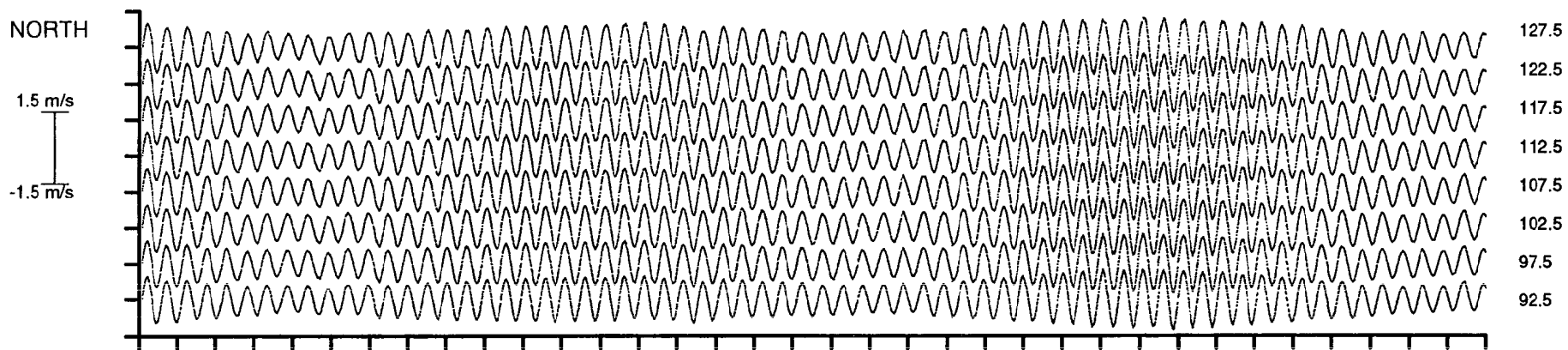
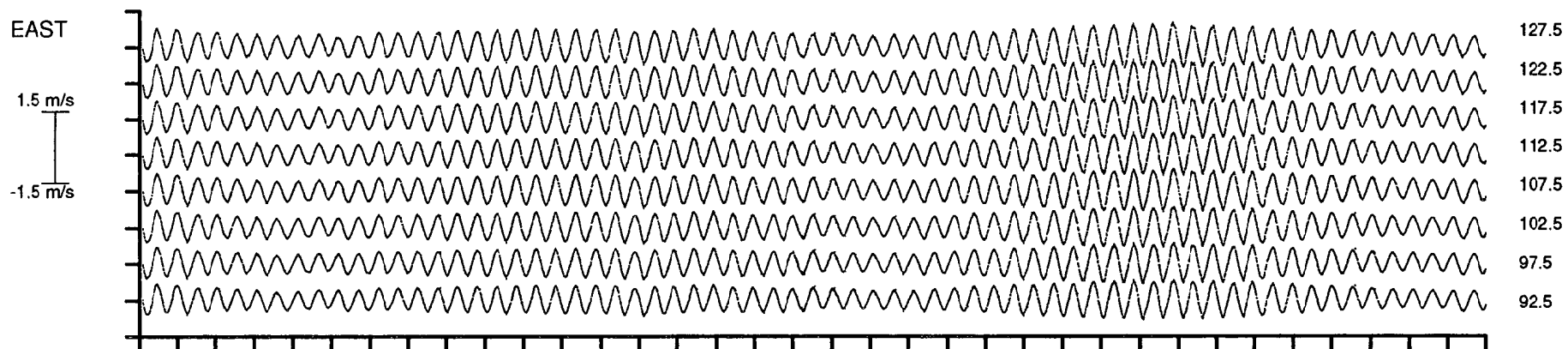
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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94

Apr May

Jun

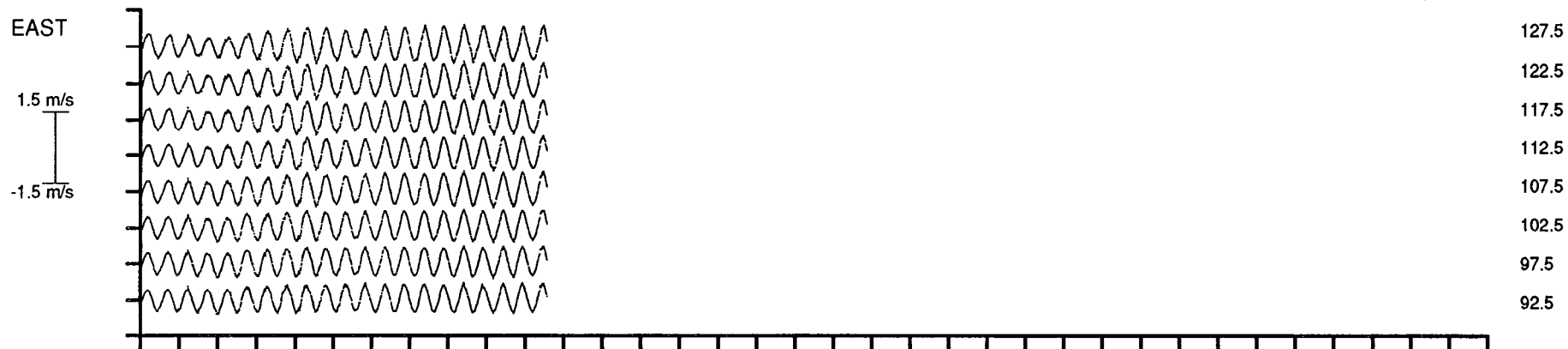
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94

94

Jun

Jul

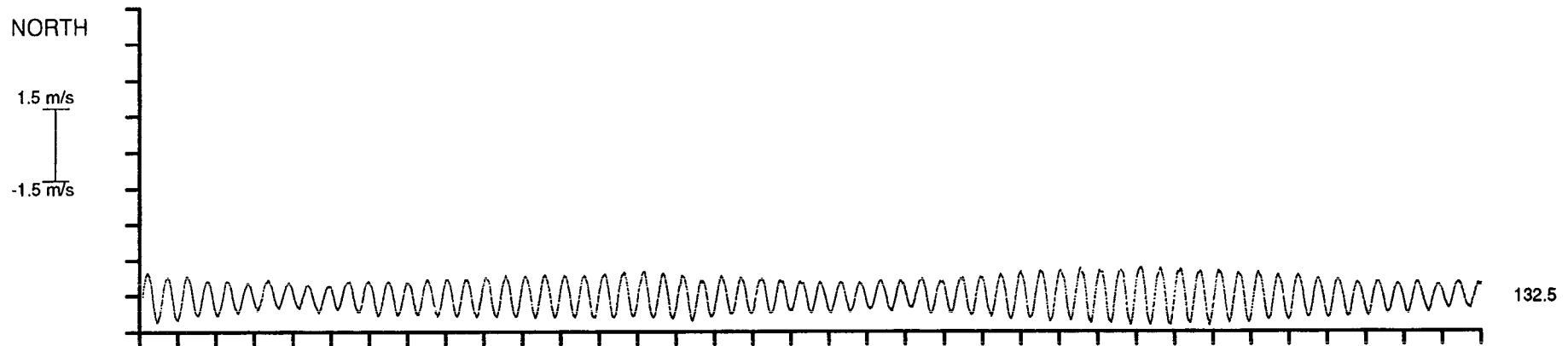
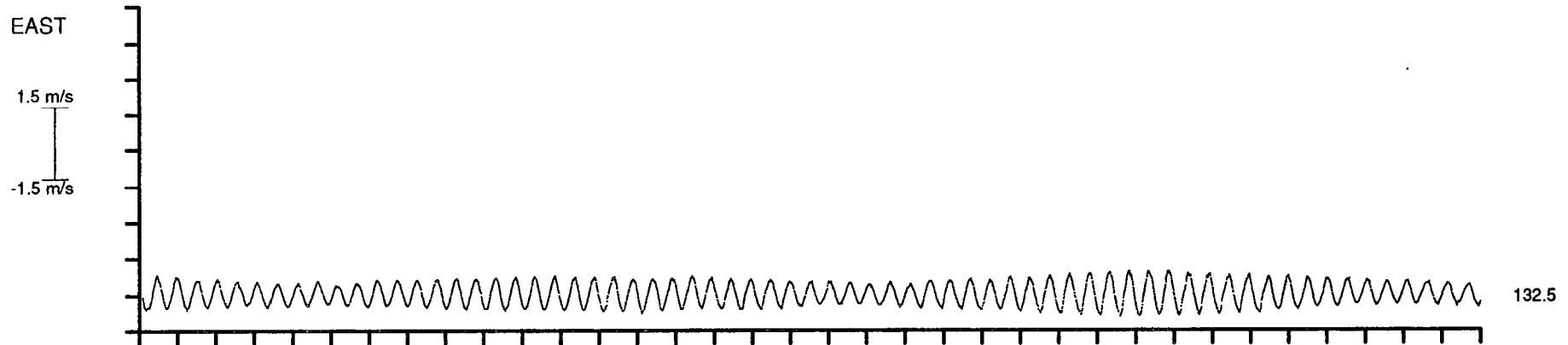
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

Apr May

94

Jun

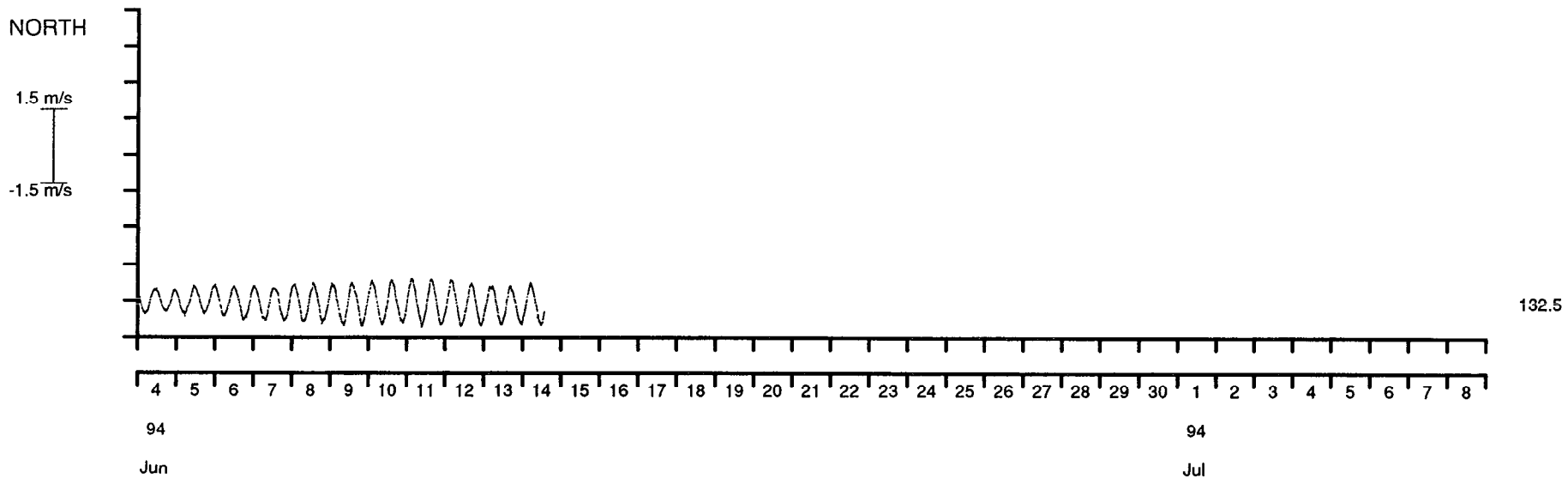
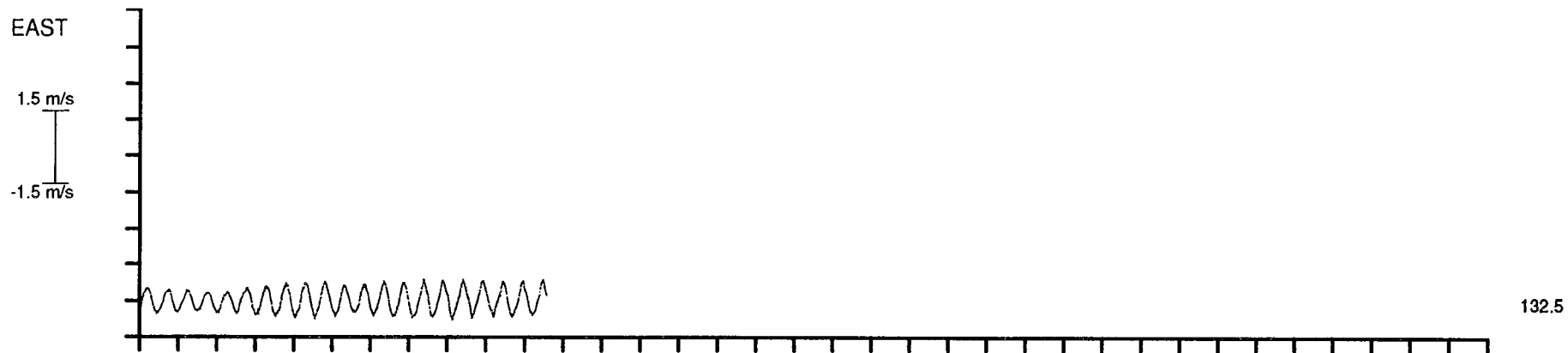
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

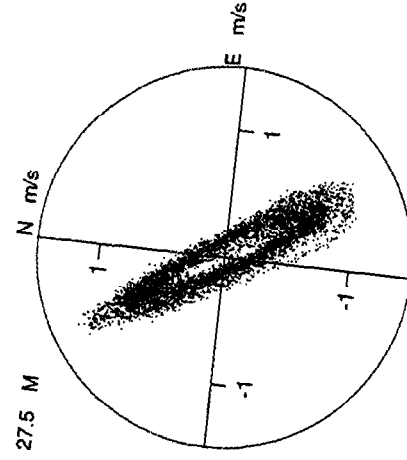
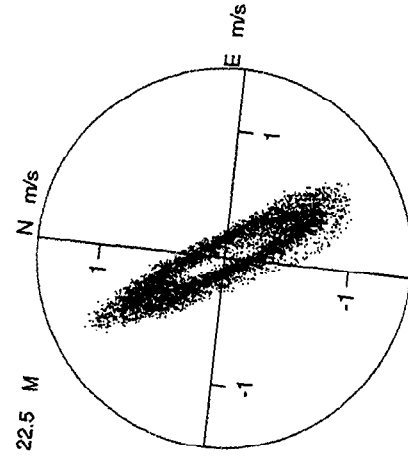
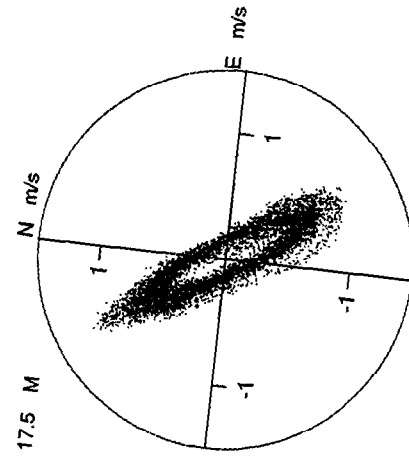
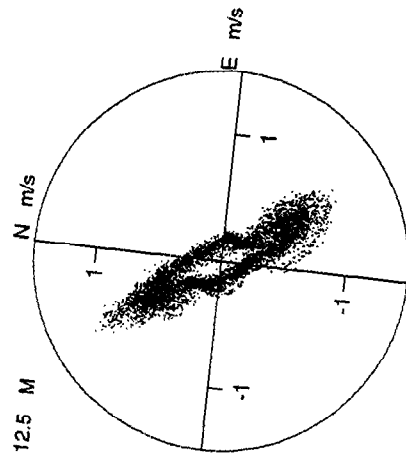
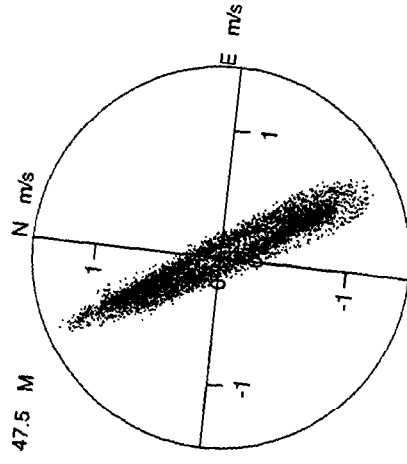
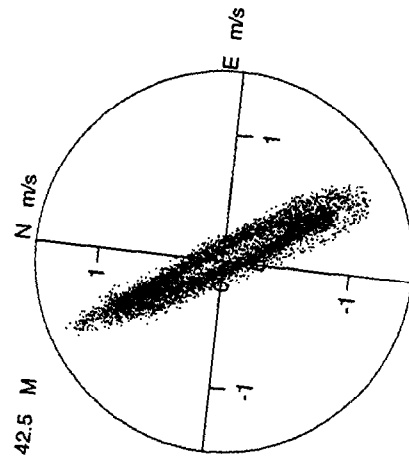
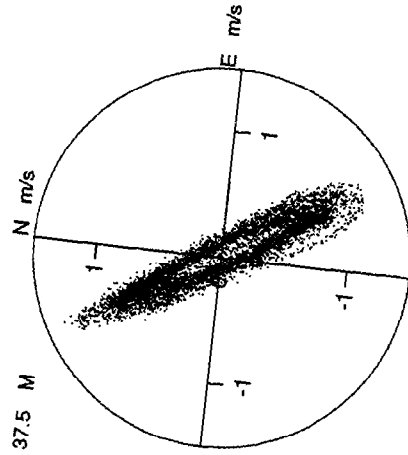
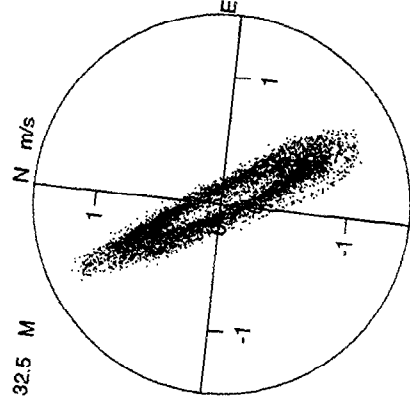
Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



SCATTER PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0
Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10
Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

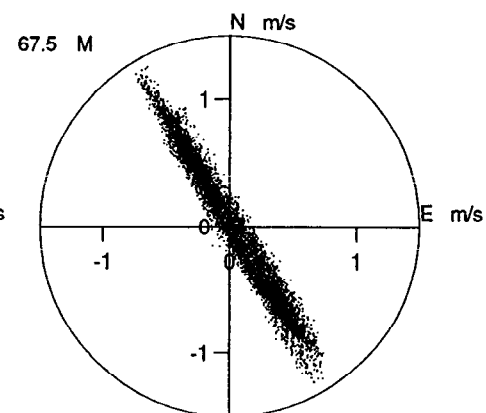
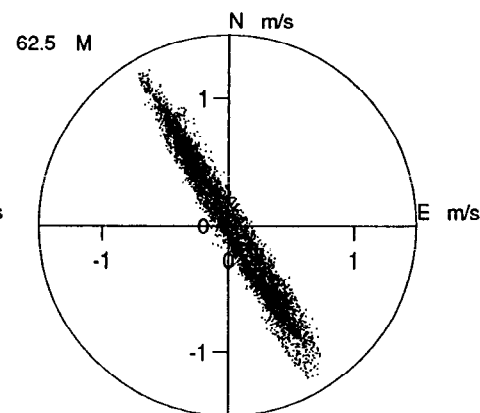
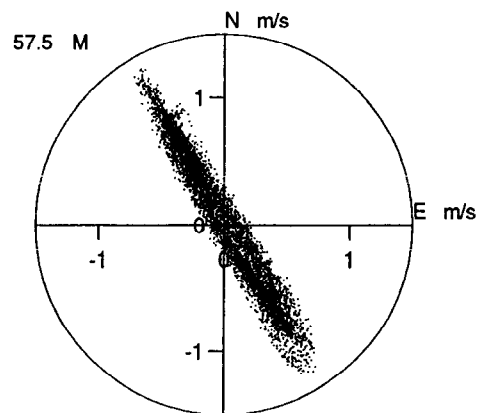
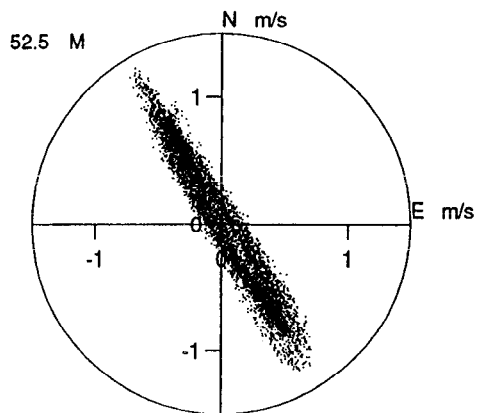
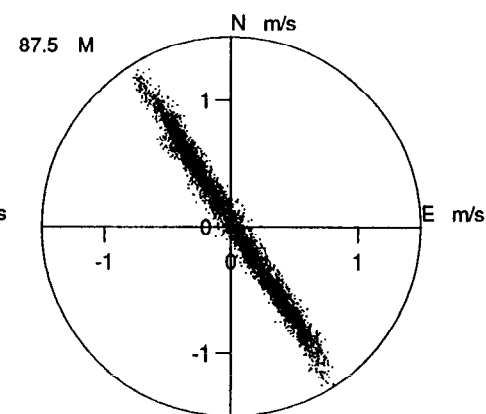
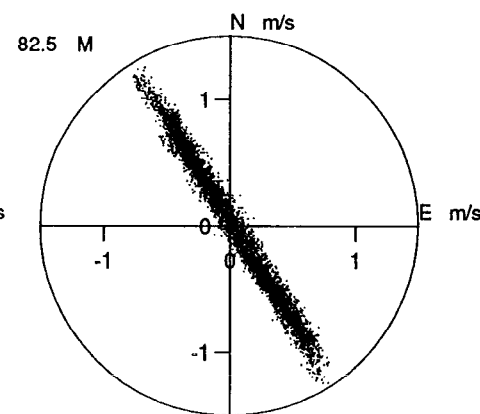
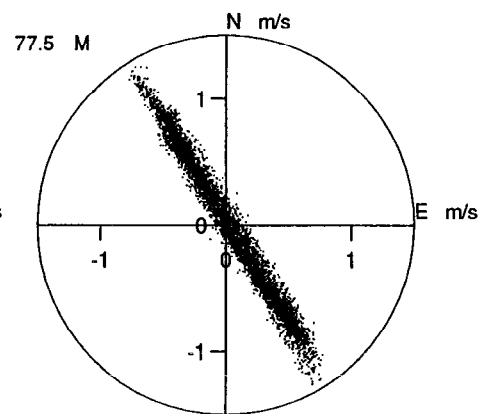
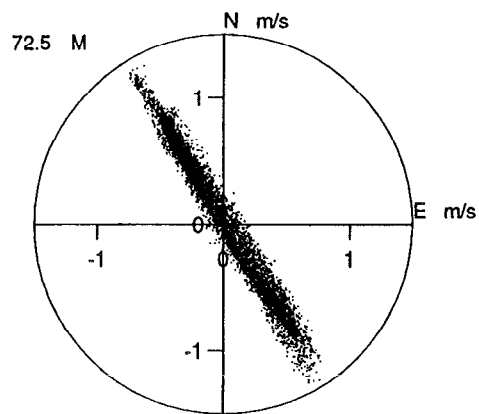


SCATTER PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

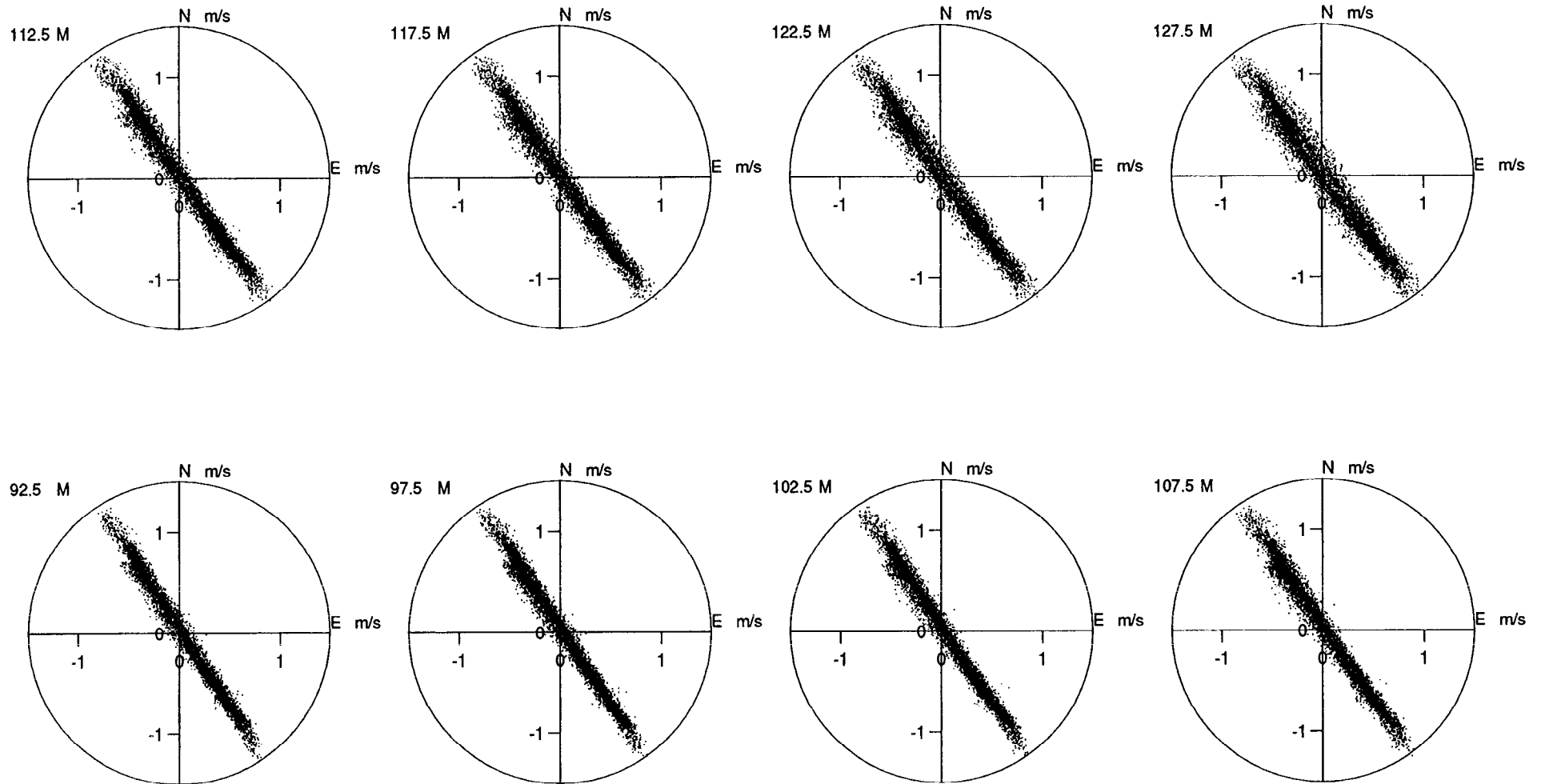


SCATTER PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

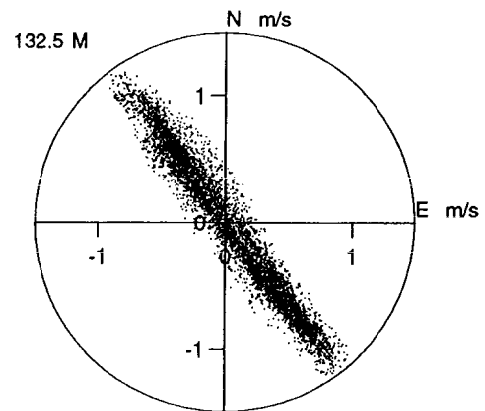


SCATTER PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

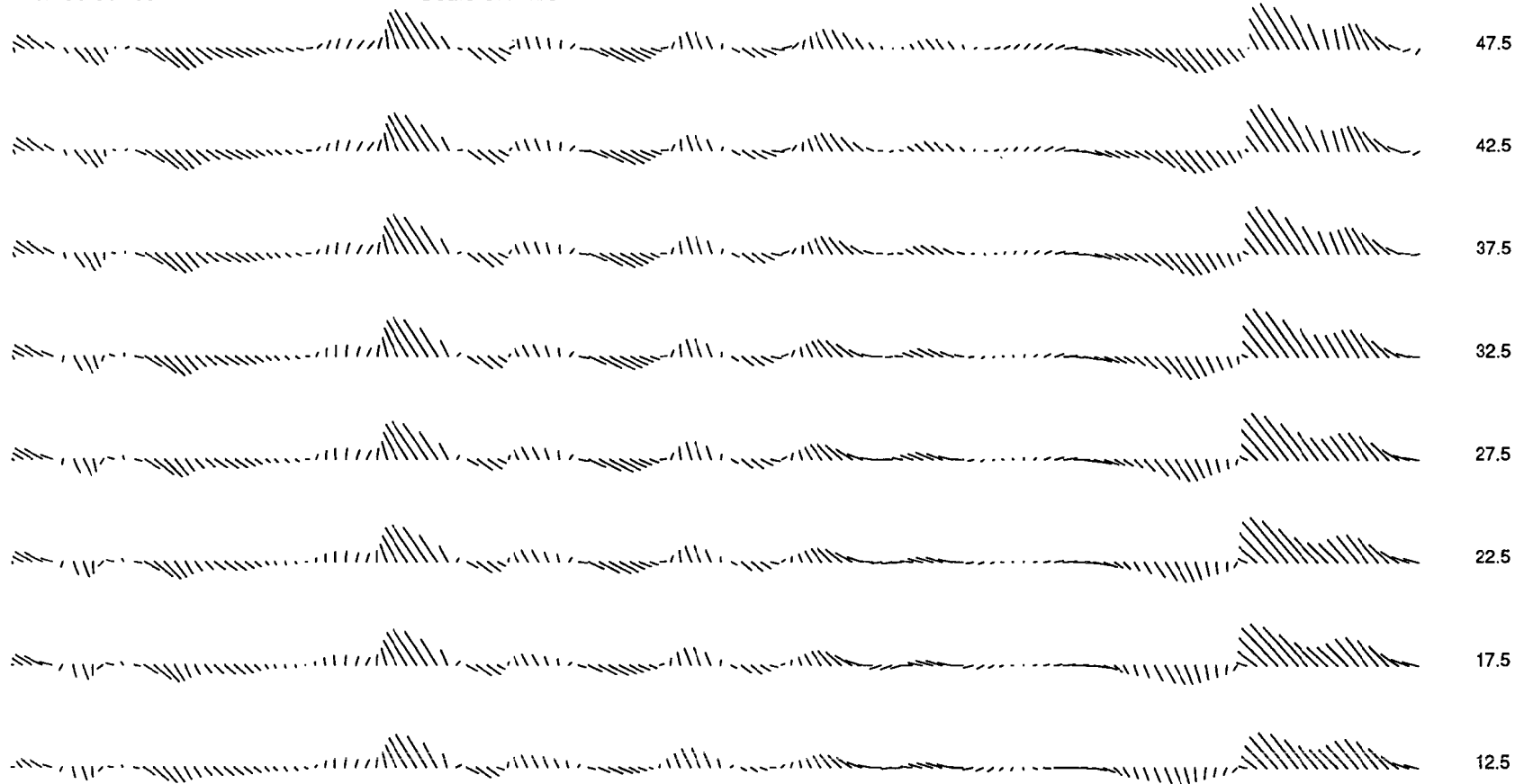
Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s

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

94

94

May

Jun

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

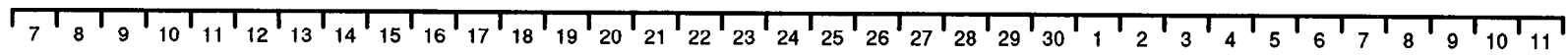
Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

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Bin Ht (m)



94

94

Jun

Jul

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

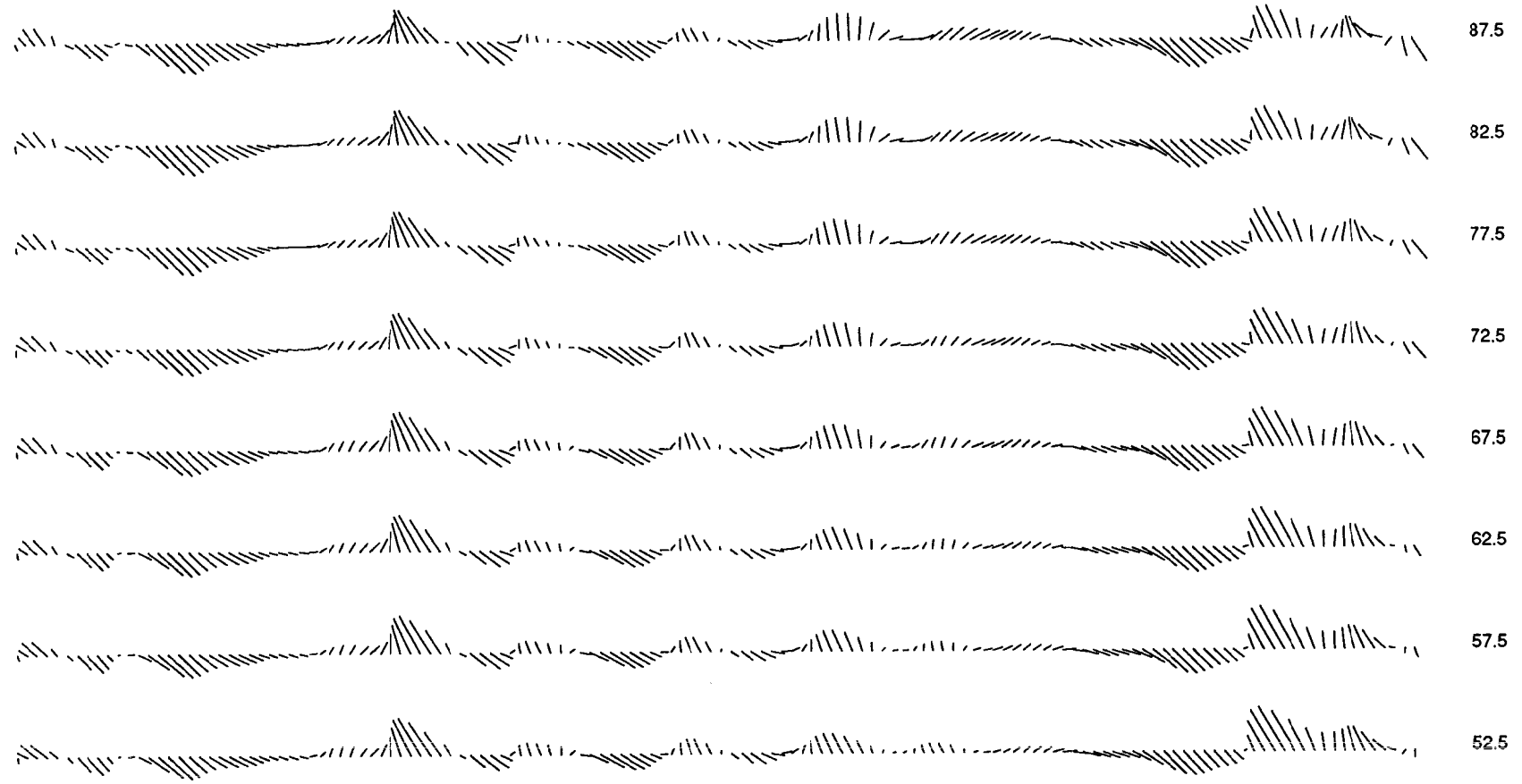
Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



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

94

94

May

Jun

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



87.5



82.5



77.5



72.5



67.5



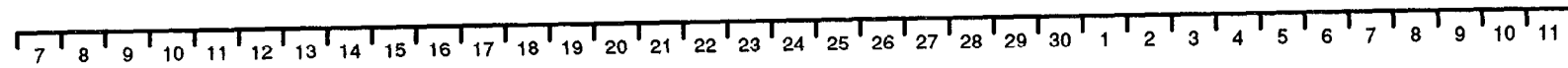
62.5



57.5



52.5



94

94

Jun

Jul

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

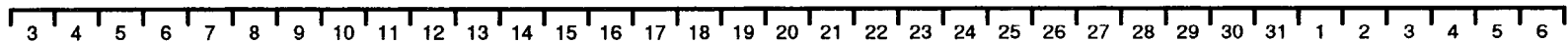
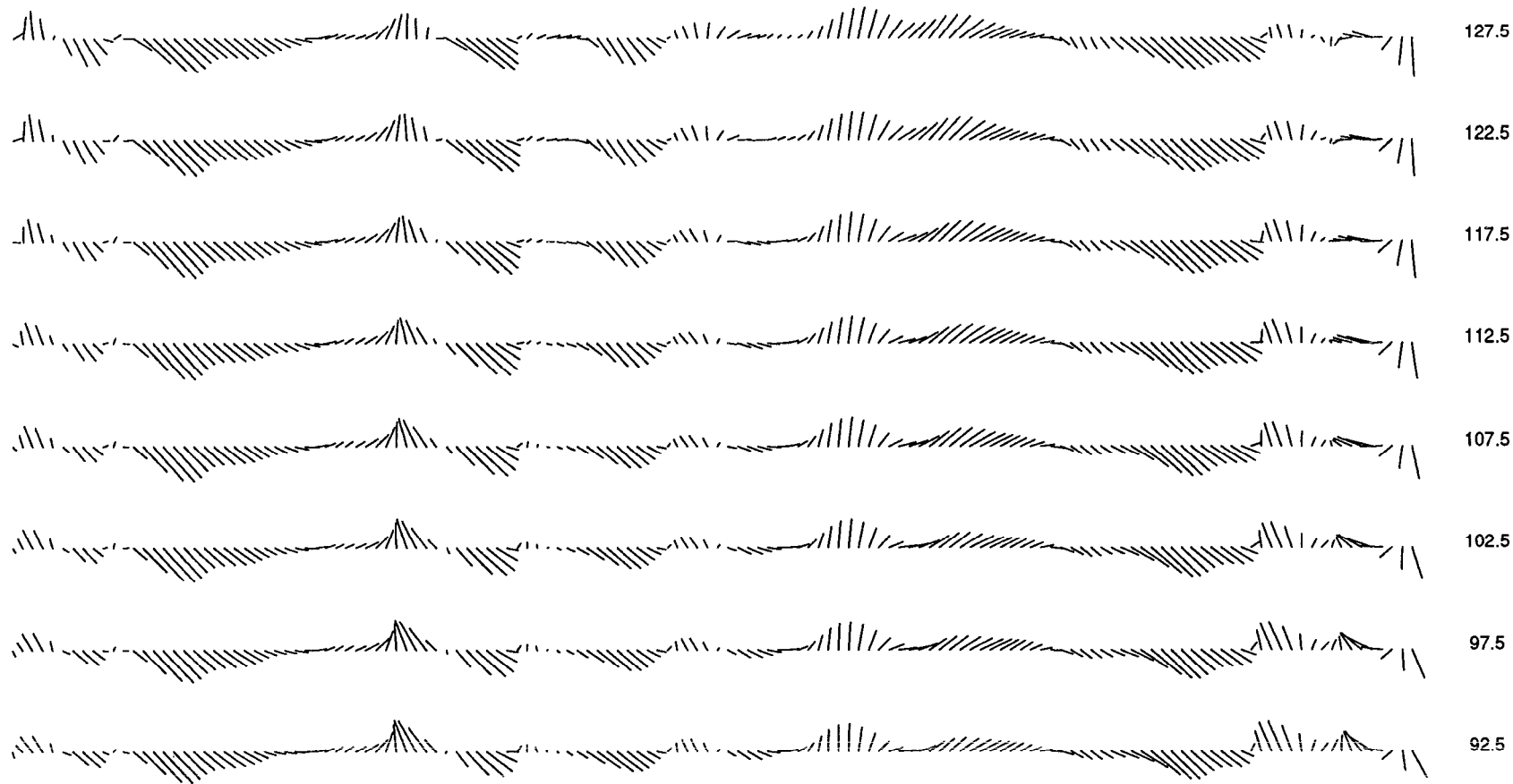
Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



94

94

May

Jun

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



127.5



122.5



117.5



112.5



107.5



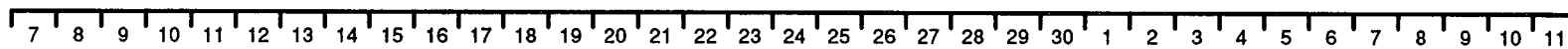
102.5



97.5



92.5



94

94

Jun

Jul

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

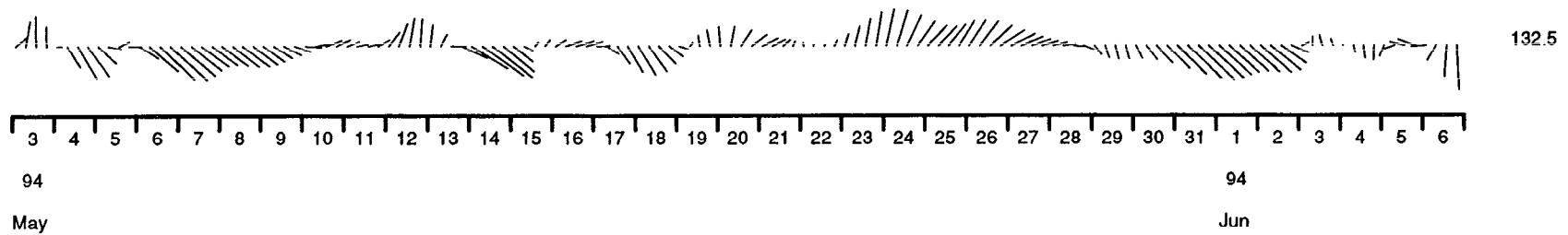
Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

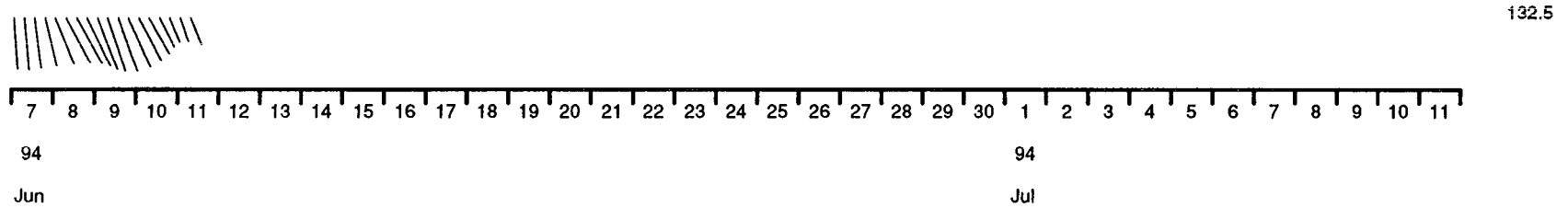
Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

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Bin Ht (m)



Statistics for bb1149.00619

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.009	-54.9	0.2354	-32.7	0.0096	57.3
2	17.5	0.011	-57.8	0.2809	-32.9	0.0118	57.1
3	22.5	0.011	-48.1	0.3040	-32.2	0.0110	57.8
4	27.5	0.009	-36.5	0.3223	-31.7	0.0099	58.3
5	32.5	0.008	-17.4	0.3379	-31.3	0.0087	58.7
6	37.5	0.007	14.3	0.3511	-31.0	0.0075	59.0
7	42.5	0.008	43.5	0.3628	-30.8	0.0064	59.2
8	47.5	0.010	61.7	0.3746	-30.8	0.0054	59.2
9	52.5	0.013	74.2	0.3845	-30.8	0.0045	59.2
10	57.5	0.017	81.1	0.3943	-30.9	0.0037	59.1
11	62.5	0.019	86.7	0.4041	-31.2	0.0031	58.8
12	67.5	0.022	90.2	0.4138	-31.4	0.0026	58.6
13	72.5	0.025	94.4	0.4234	-31.7	0.0022	58.3
14	77.5	0.028	96.6	0.4323	-32.0	0.0019	58.0
15	82.5	0.031	99.9	0.4410	-32.3	0.0017	57.7
16	87.5	0.033	102.5	0.4490	-32.6	0.0016	57.4
17	92.5	0.035	105.1	0.4573	-33.0	0.0015	57.0
18	97.5	0.036	107.9	0.4656	-33.4	0.0016	56.6
19	102.5	0.038	110.2	0.4722	-33.8	0.0018	56.2
20	107.5	0.039	113.2	0.4789	-34.2	0.0020	55.8
21	112.5	0.040	116.5	0.4845	-34.7	0.0023	55.3
22	117.5	0.043	120.2	0.4887	-35.1	0.0027	54.9
23	122.5	0.044	122.7	0.4920	-35.6	0.0032	54.4
24	127.5	0.048	126.1	0.4947	-36.1	0.0039	53.9
25	132.5	0.050	128.0	0.4932	-36.5	0.0051	53.5

Statistics for bb1149.00619

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.009	-45.4	0.0013	-42.4	0.0002	47.6
2	17.5	0.009	-52.0	0.0016	-44.4	0.0002	45.6
3	22.5	0.009	-42.2	0.0018	-43.8	0.0002	46.2
4	27.5	0.007	-29.7	0.0019	-43.0	0.0002	47.0
5	32.5	0.007	-8.2	0.0019	-41.8	0.0002	48.2
6	37.5	0.006	25.0	0.0020	-40.3	0.0001	49.7
7	42.5	0.008	52.2	0.0020	-40.0	0.0001	50.0
8	47.5	0.010	68.2	0.0020	-38.9	0.0001	51.1
9	52.5	0.013	78.2	0.0021	-38.9	0.0001	51.1
10	57.5	0.016	83.7	0.0021	-37.7	0.0001	52.3
11	62.5	0.018	87.9	0.0021	-37.7	0.0001	52.3
12	67.5	0.020	90.5	0.0022	-37.6	0.0001	52.4
13	72.5	0.022	94.3	0.0022	-37.3	0.0001	52.7
14	77.5	0.025	95.7	0.0023	-37.2	0.0002	52.8
15	82.5	0.027	98.5	0.0023	-37.0	0.0002	53.0
16	87.5	0.029	100.8	0.0023	-36.8	0.0002	53.2
17	92.5	0.030	103.0	0.0023	-35.9	0.0003	54.1
18	97.5	0.031	105.7	0.0024	-34.9	0.0004	55.1
19	102.5	0.032	107.8	0.0023	-33.7	0.0004	56.3
20	107.5	0.033	110.2	0.0023	-31.5	0.0005	58.5
21	112.5	0.033	111.8	0.0023	-29.0	0.0005	61.0
22	117.5	0.034	113.7	0.0024	-26.1	0.0005	63.9
23	122.5	0.035	115.2	0.0024	-22.9	0.0005	67.1
24	127.5	0.036	117.5	0.0026	-19.5	0.0005	70.5
25	132.5	0.037	117.9	0.0029	-16.2	0.0006	73.8

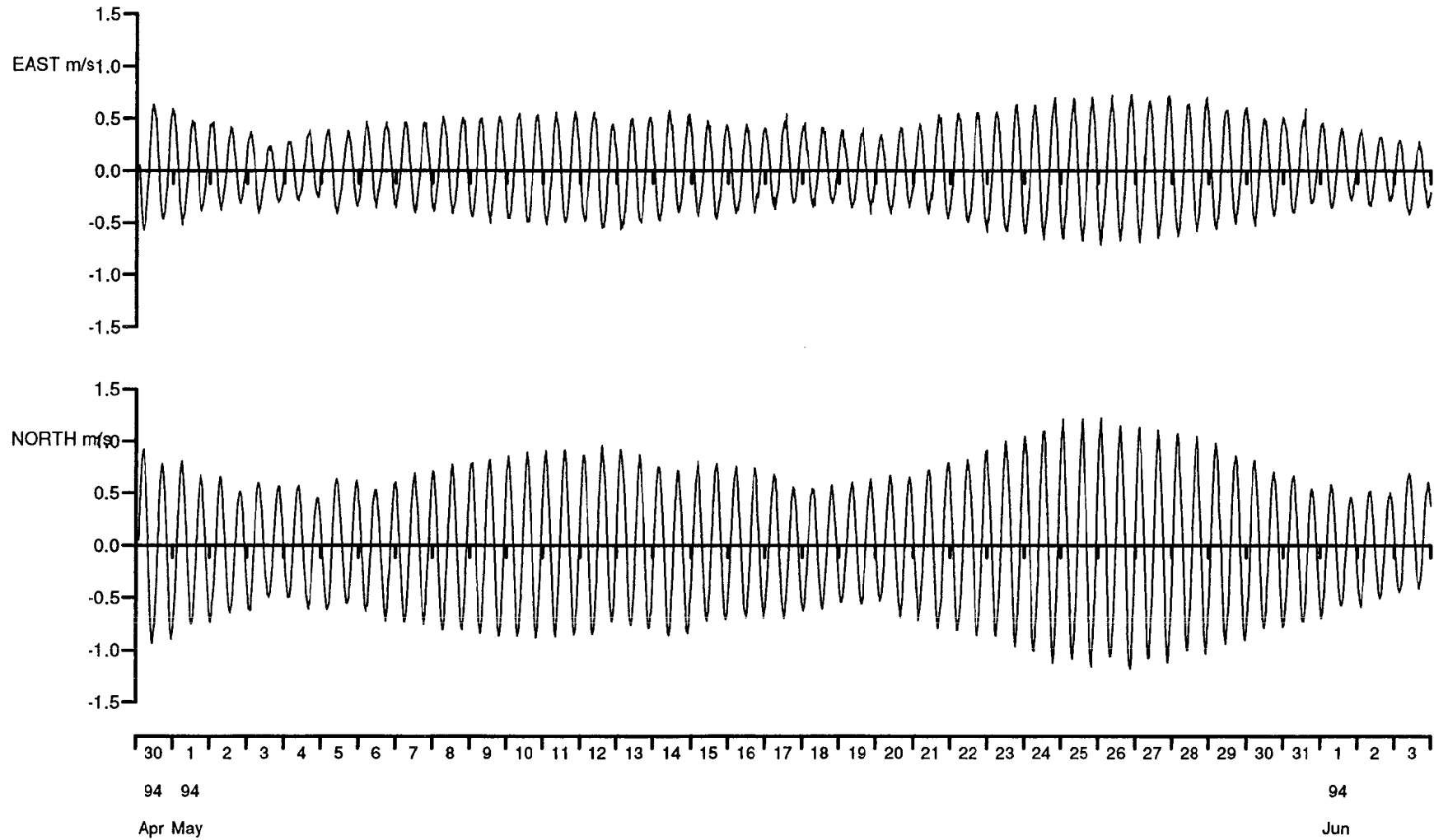
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



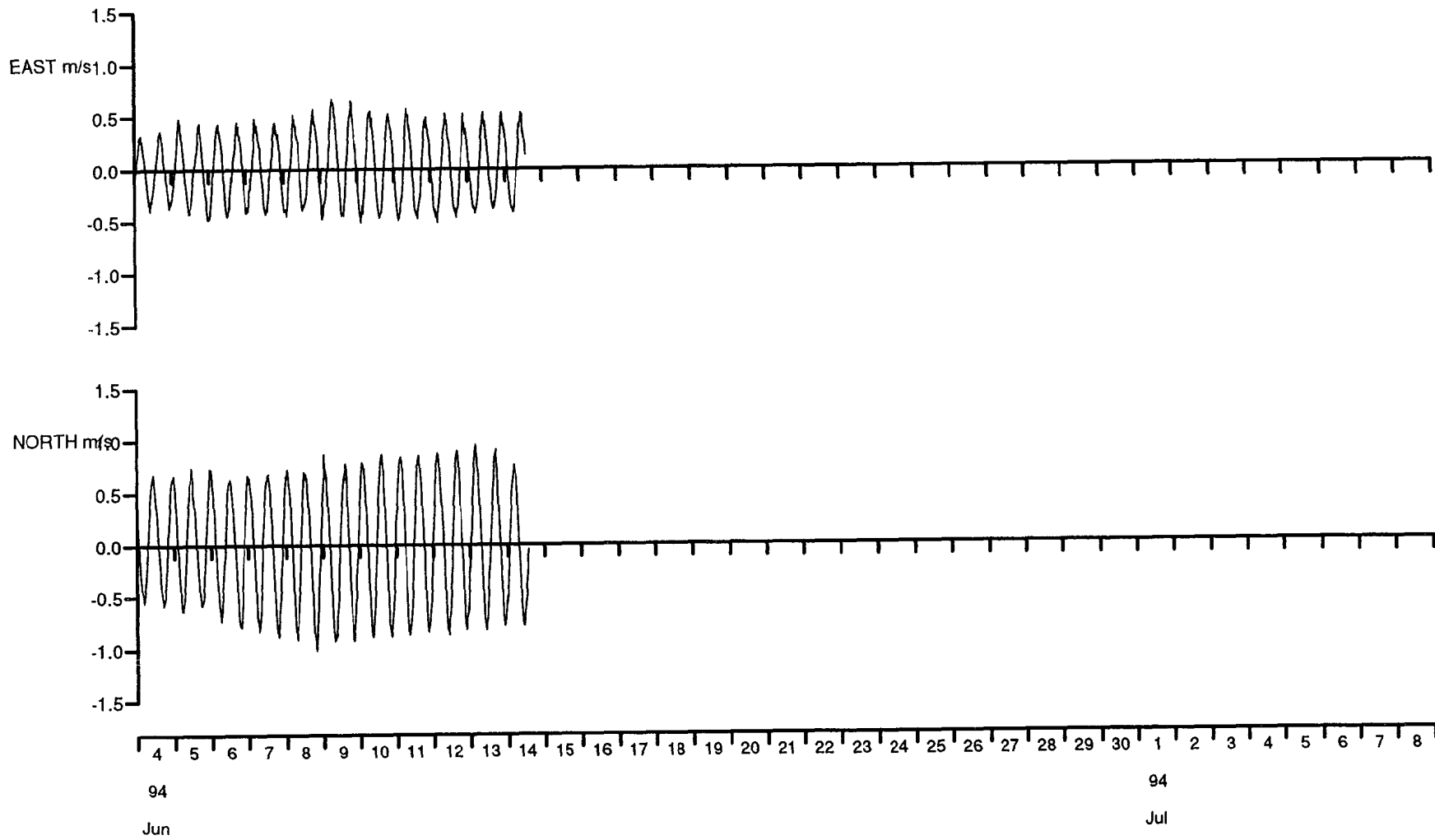
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



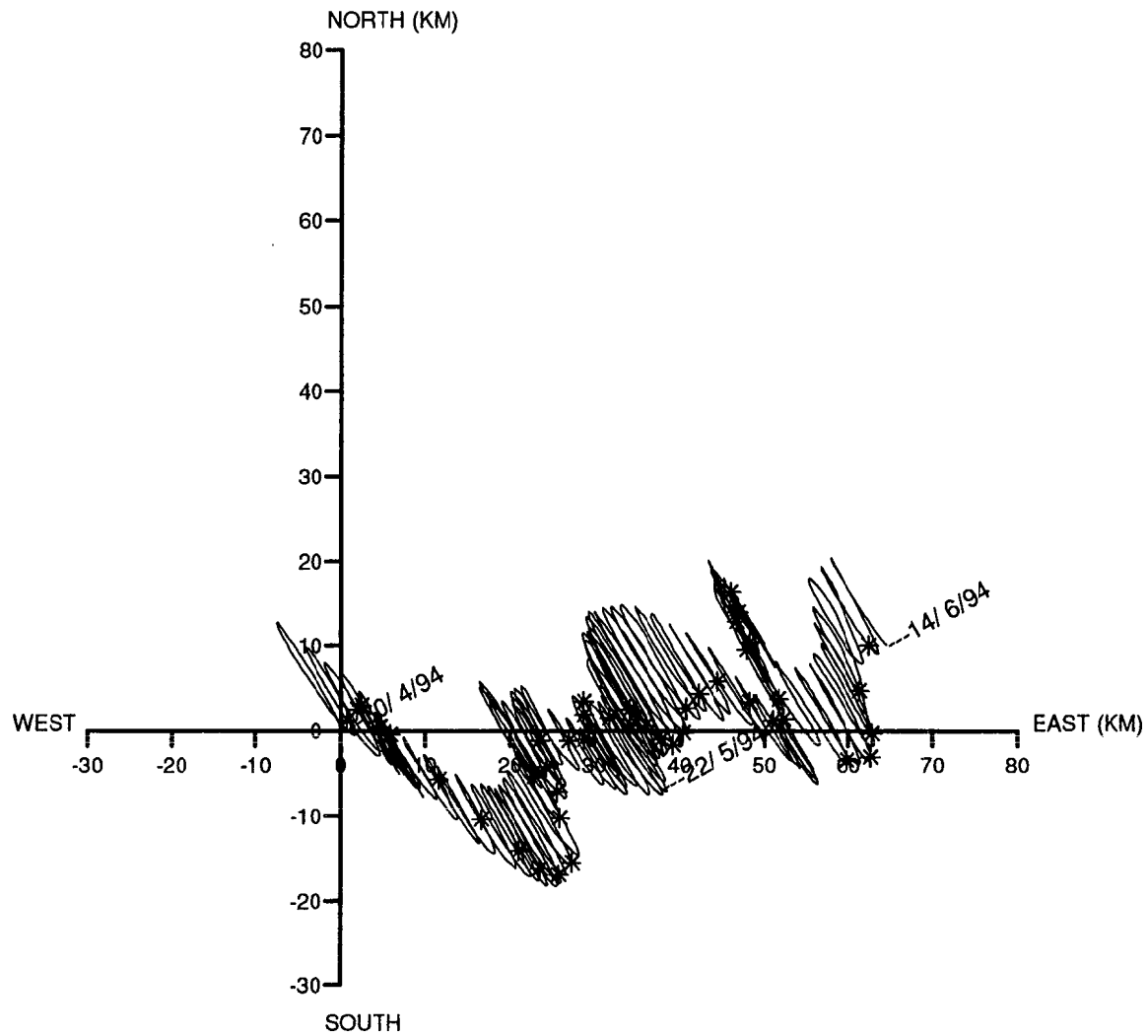
VECTOR PLOT

Meter no. 1149 Rig no. 00619 Depth of water(m) 147.0

Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10

Position 54 46.05N 05 23.80W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1149.00619s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0164	0.10693363E+00	0.32700706E+00
Northings	0.0026	0.29108998E+00	0.53952754E+00
Speed	0.5563	0.88764086E-01	0.29793301E+00
Vector mean speed	0.0166		
Vector Mean Direction	81.1		

Maximum ten values

Eastings					Northings				
0.730	0.723	0.721	0.718	0.716	1.221	1.213	1.212	1.202	1.177
0.703	0.700	0.700	0.700	0.698	1.168	1.157	1.149	1.148	1.147

Minimum ten values

Eastings					Northings				
-0.667	-0.673	-0.673	-0.674	-0.682	-1.128	-1.137	-1.143	-1.151	-1.153
-0.685	-0.686	-0.691	-0.700	-0.714	-1.158	-1.158	-1.163	-1.163	-1.179

Maximum speeds

1.391	1.386	1.367	1.367	1.367	1.360	1.346	1.346	1.339	1.338
1.338	1.331	1.323	1.321	1.319	1.317	1.316	1.314	1.314	1.311
1.307	1.307	1.303	1.302	1.299	1.299	1.298	1.296	1.296	1.295
1.291	1.288	1.288	1.282	1.281	1.281	1.278	1.277	1.275	1.274
1.273	1.272	1.271	1.266	1.265	1.264	1.263	1.259	1.255	1.254
1.253	1.252	1.251	1.251	1.250	1.246	1.245	1.245	1.244	1.243
1.242	1.242	1.238	1.231	1.230	1.230	1.228	1.227	1.226	1.225
1.225	1.224	1.224	1.223	1.223	1.222	1.221	1.220	1.219	1.217
1.216	1.216	1.216	1.216	1.214	1.213	1.213	1.212	1.212	1.211
1.211	1.210	1.209	1.209	1.208	1.206	1.206	1.205	1.204	1.203

Variance ellipse statistics

Maximum variance	0.3943E+00	Direction	-30.9
Minimum variance	0.3735E-02	Direction	59.1
Total variance	0.3980E+00	Ratio of variances	0.9474E-02
Average direction. maxdir -PI/2 to maxdir +PI/2	2.9		
Average direction. maxdir +PI/2 to maxdir -PI/2	177.4		

Statistics for bb1149.00619s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0156	0.85556653E-03	0.29250069E-01
Northings	0.0017	0.13520500E-02	0.36770232E-01
Speed	0.0420	0.67869376E-03	0.26051752E-01
Vector mean speed	0.0157		
Vector Mean Direction	83.7		

Maximum ten values

Eastings					Northings				
0.091	0.088	0.079	0.073	0.062	0.105	0.098	0.094	0.092	0.087
0.061	0.061	0.059	0.059	0.058	0.081	0.073	0.072	0.070	0.057

Minimum ten values

Eastings					Northings				
-0.036	-0.037	-0.038	-0.039	-0.040	-0.053	-0.055	-0.057	-0.057	-0.060
-0.051	-0.051	-0.052	-0.055	-0.059	-0.063	-0.069	-0.081	-0.087	-0.091

Maximum speeds

0.126	0.121	0.121	0.112	0.112	0.107	0.105	0.099	0.096	0.096
0.084	0.084	0.083	0.082	0.081	0.081	0.080	0.076	0.075	0.073
0.073	0.073	0.071	0.068	0.067	0.066	0.065	0.063	0.062	0.061
0.061	0.061	0.059	0.058	0.056	0.056	0.056	0.055	0.055	0.055
0.055	0.055	0.055	0.054	0.053	0.053	0.051	0.050	0.050	0.050
0.050	0.049	0.049	0.048	0.048	0.047	0.047	0.046	0.044	0.044
0.043	0.042	0.042	0.042	0.042	0.042	0.041	0.041	0.041	0.040
0.040	0.039	0.038	0.038	0.037	0.037	0.036	0.035	0.035	0.035
0.035	0.035	0.034	0.033	0.033	0.032	0.032	0.032	0.032	0.031
0.031	0.030	0.030	0.029	0.029	0.027	0.027	0.027	0.027	0.027

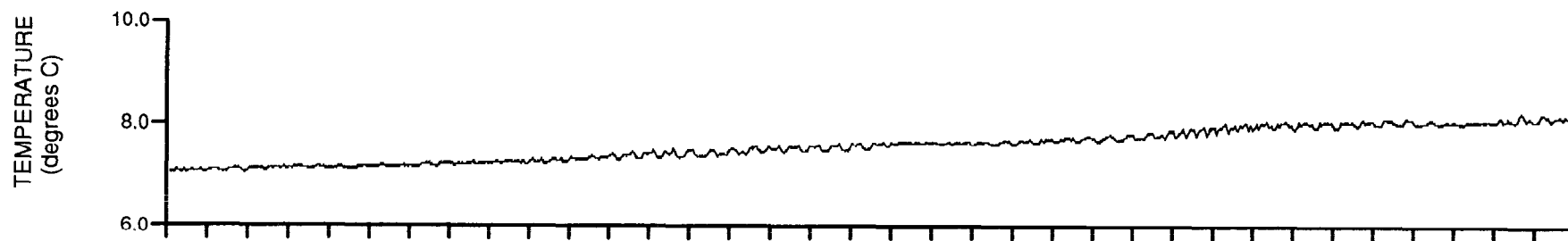
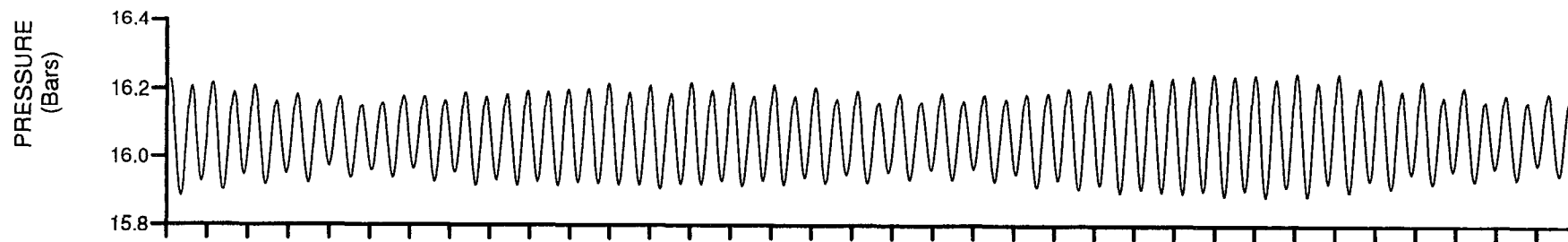
Variance ellipse statistics

Maximum variance	0.2093E-02	Direction	-37.7
Minimum variance	0.1144E-03	Direction	52.3
Total variance	0.2208E-02	Ratio of variances	0.5466E-01
Average direction. maxdir -PI/2 to maxdir +PI/2			30.6
Average direction. maxdir +PI/2 to maxdir -PI/2			152.8

Meter information details for 1038

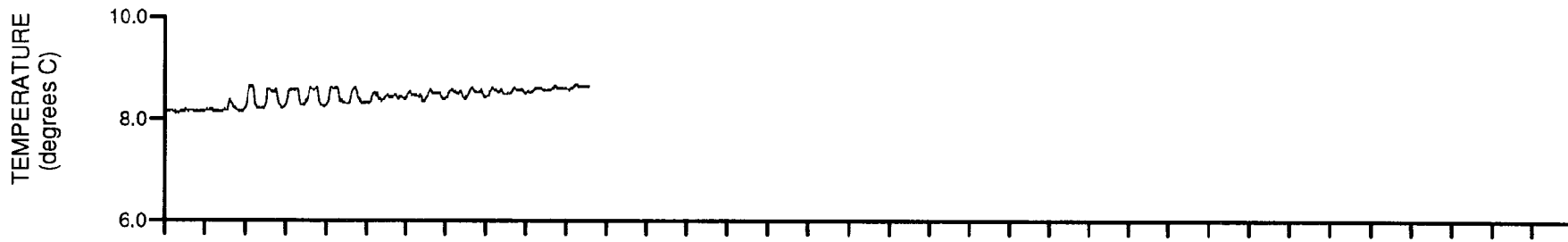
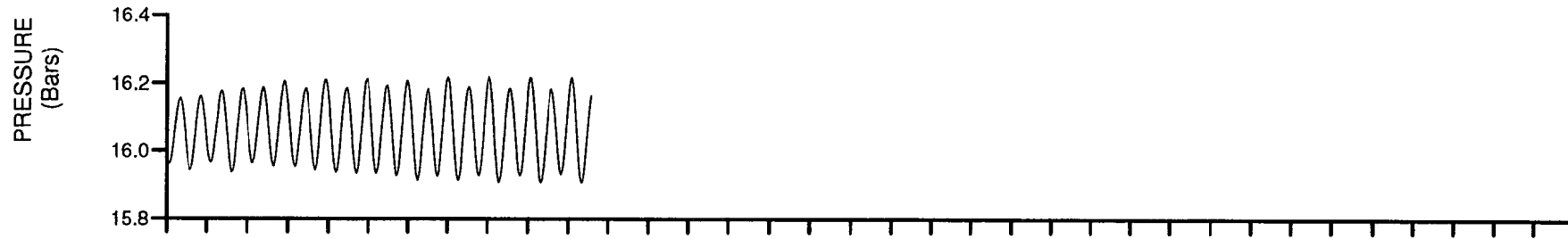
Rig No	:	00619
Meter No	:	1038
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	29-APR-94 15:40:42
Meter stopped	:	14-JUN-94 18:21:06
Period switched on	:	46.1 days
Period of good data	:	45.5 days
Total number of scans	:	6552
Timing error	:	24 seconds slow
Comments	:	Good record obtained

Meter no. 1038 Rig no. 00619 Depth of water(m) 147.0
Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10
Position 54 46.05N 05 23.80W Meter Height(m) 0.5



30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3
94 94 94
Apr May Jun

Meter no. 1038 Rig no. 00619 Depth of water(m) 147.0
Start/End 1994/04/30 AT 01:57:10 1994/06/14 AT 13:57:10
Position 54 46.05N 05 23.80W Meter Height(m) 0.5



4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8
94 94
Jun Jul

Rig information details for 00620

Position Latitude	:	54 46.03N
Position Longitude	:	05 23.79W
Water depth	:	147.0 m
Deployed on cruise	:	CORYSTES
Recovered on cruise	:	L.FOYLE
Site name identification	:	EA7
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	15-JUN-94 16:05:00
Rig recovered on	:	21-AUG-94 11:00:00
Period of deployment	:	66.8 days
Comments	:	Launch and recovery successful

Meter information details for 1149

Rig No : 00620
Meter No : 1149
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 15-JUN-94 16:02:25
Meter stopped : 21-AUG-94 11:02:25
Period switched on : 66.8 days
Period of good data : 66.8 days
Total number of scans : 9617
Timing error : None
Comments : Good record obtained
Bin (26) - 2064 flagged errors
Bin (25) - 2 flagged errors
Bin (24) - 2 flagged errors
Bin (23) - 1 flagged error
Bin (22) - 1 flagged error
Bin (1) - 179 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

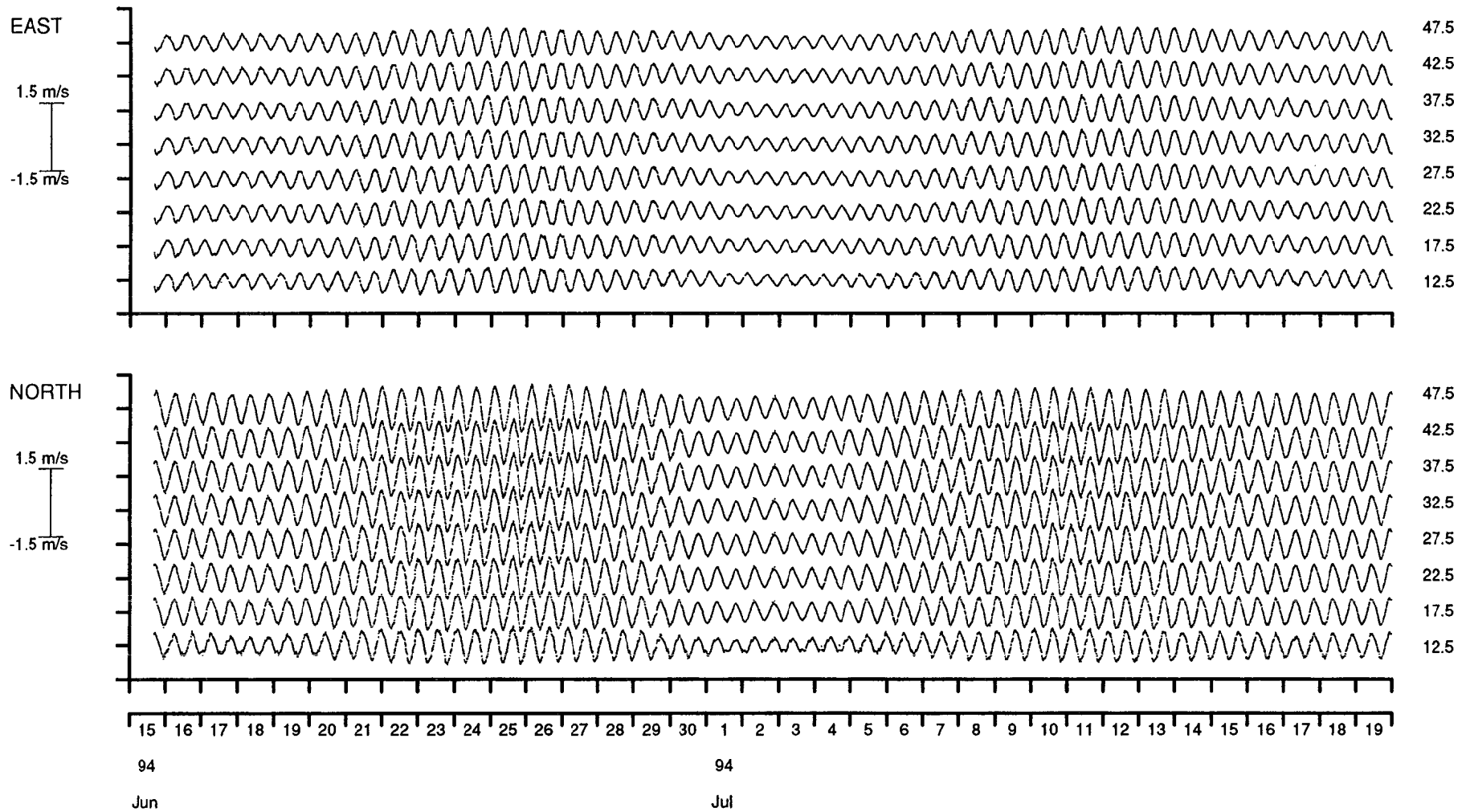
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



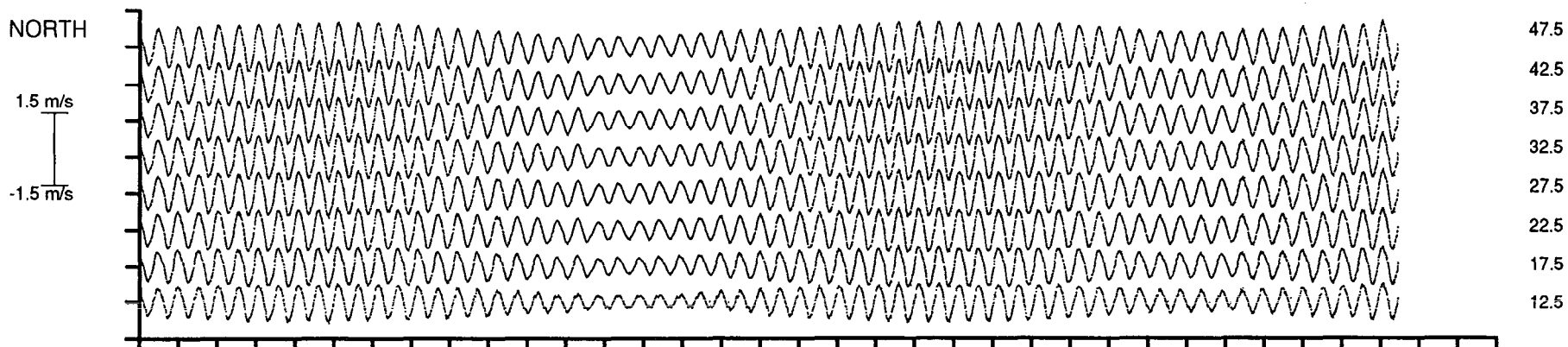
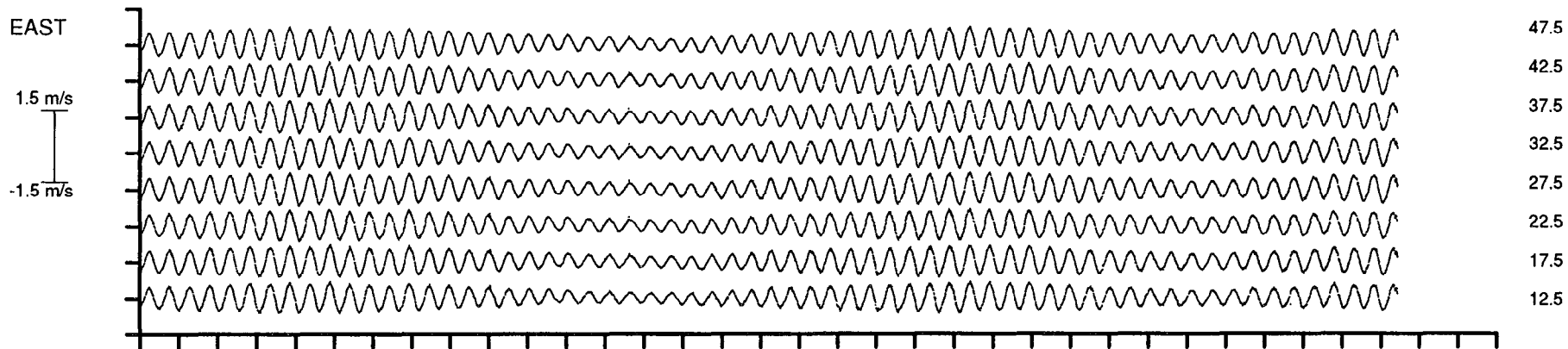
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

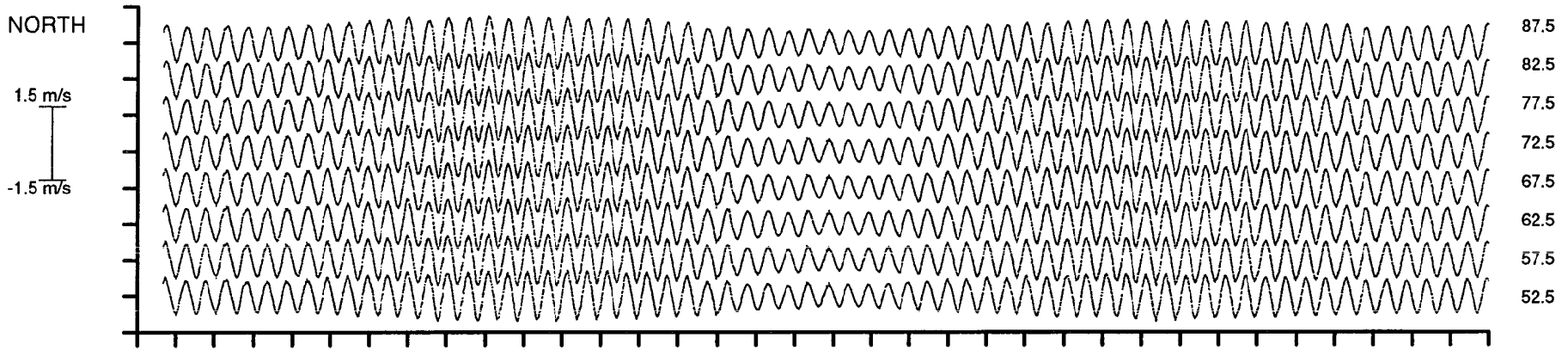
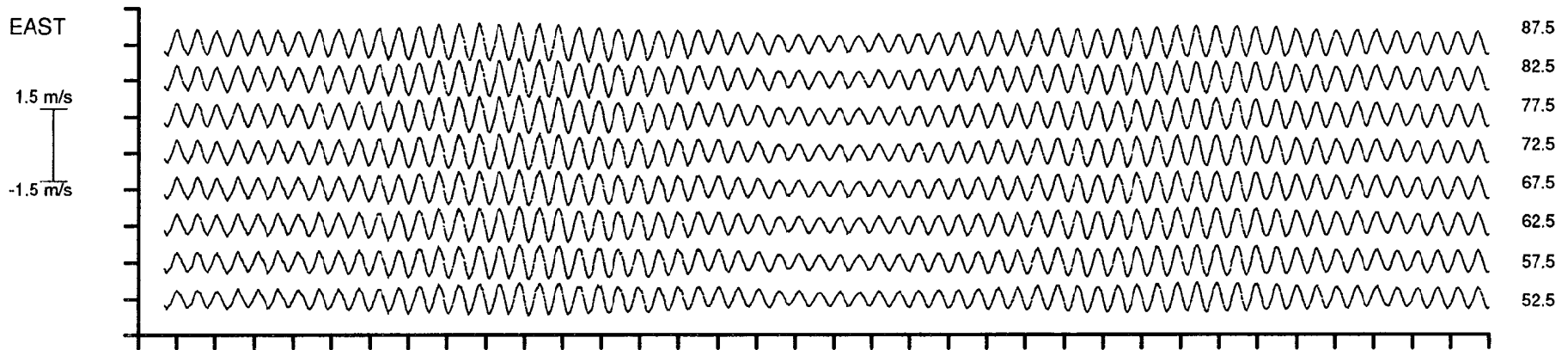
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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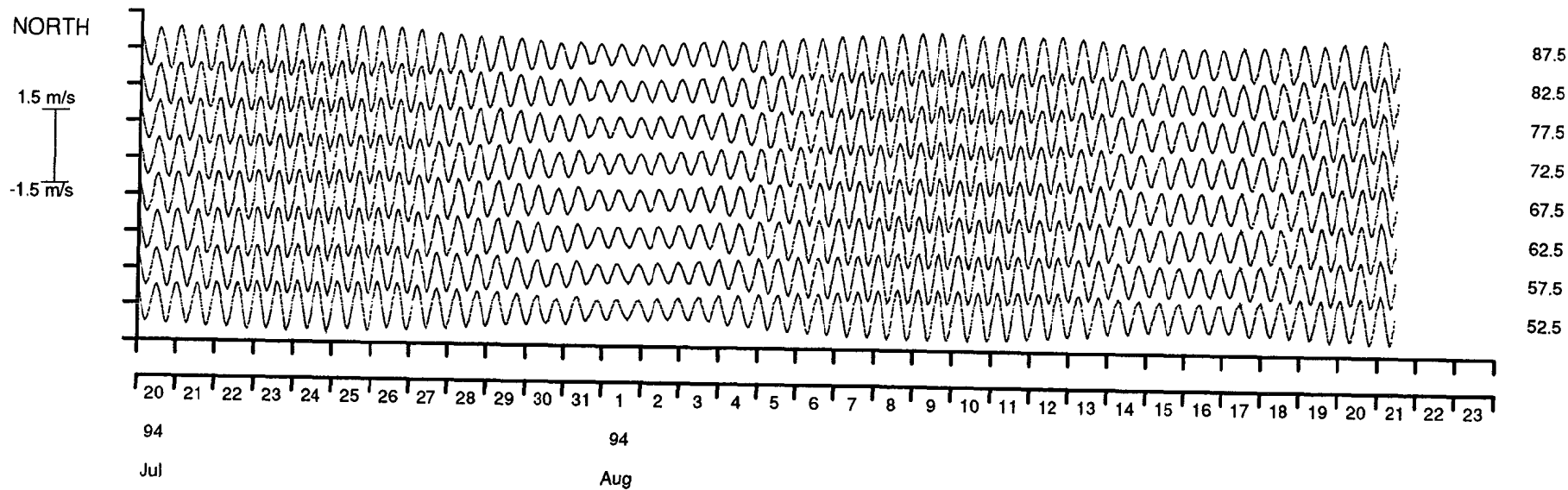
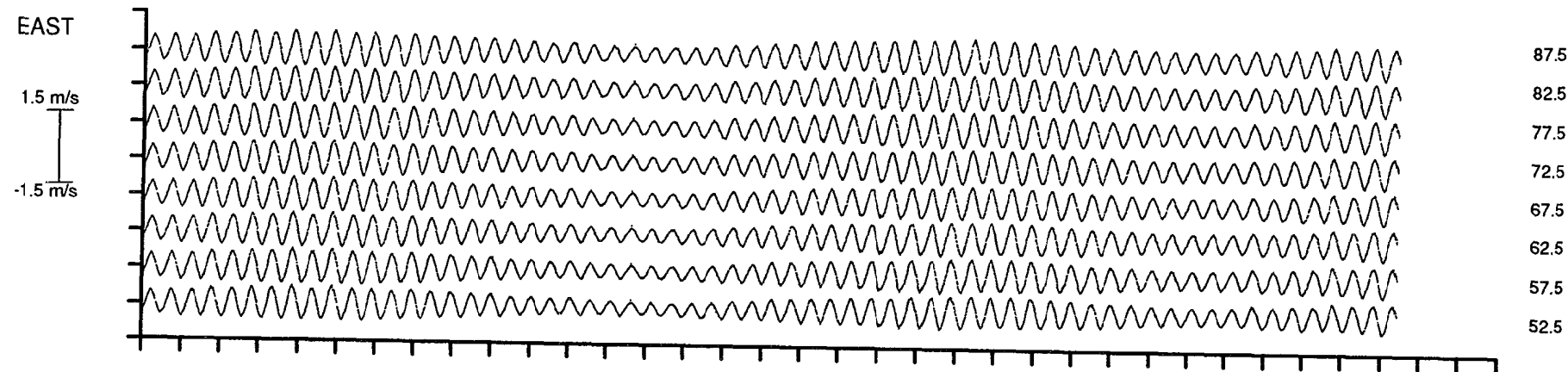
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



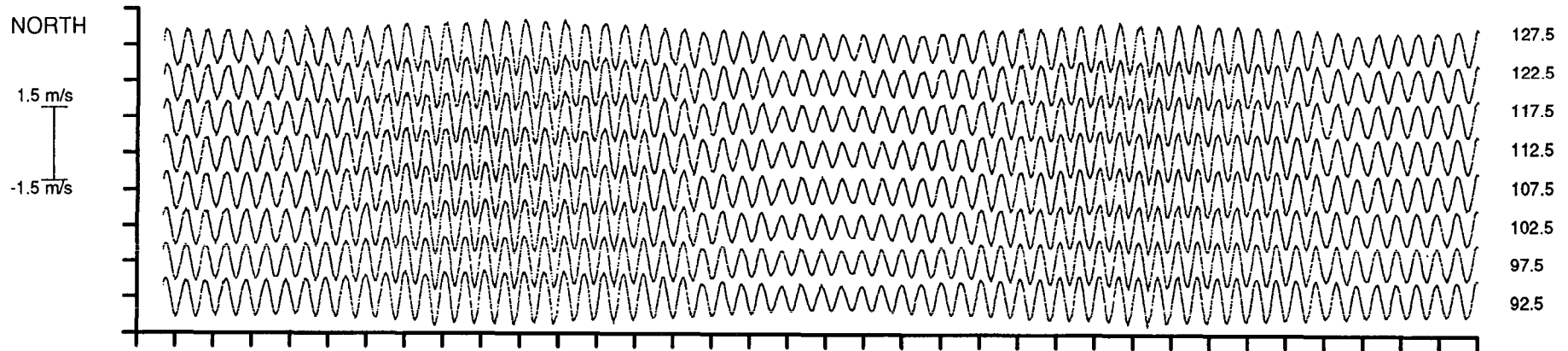
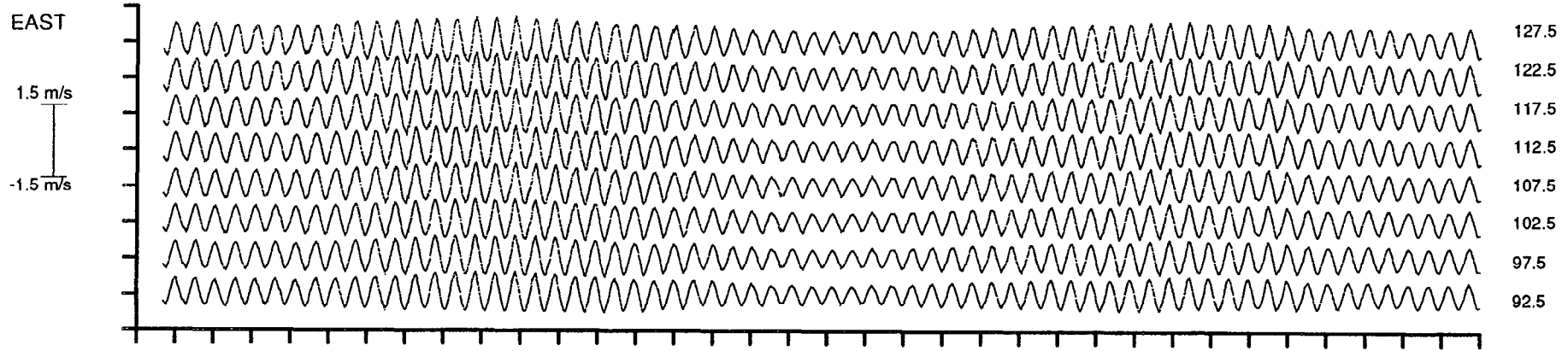
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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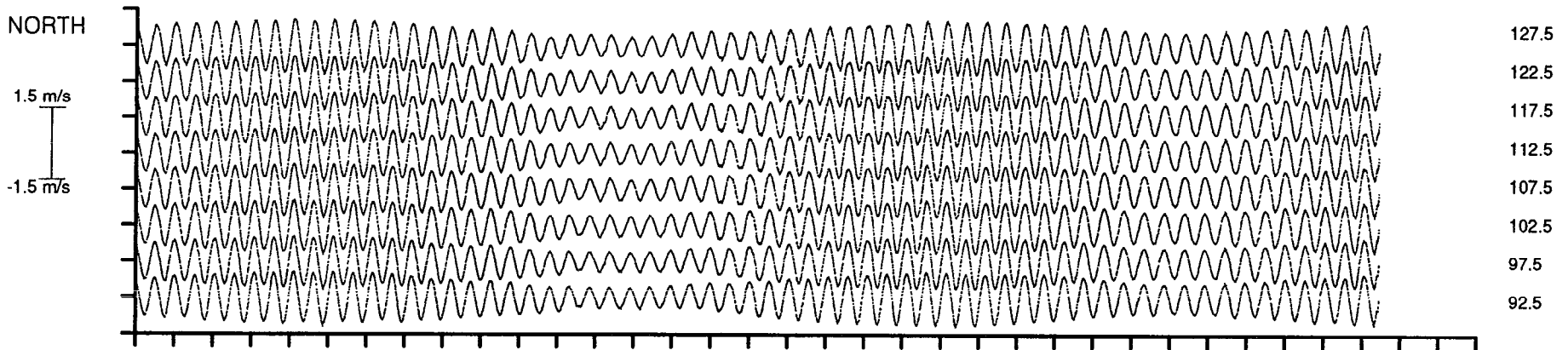
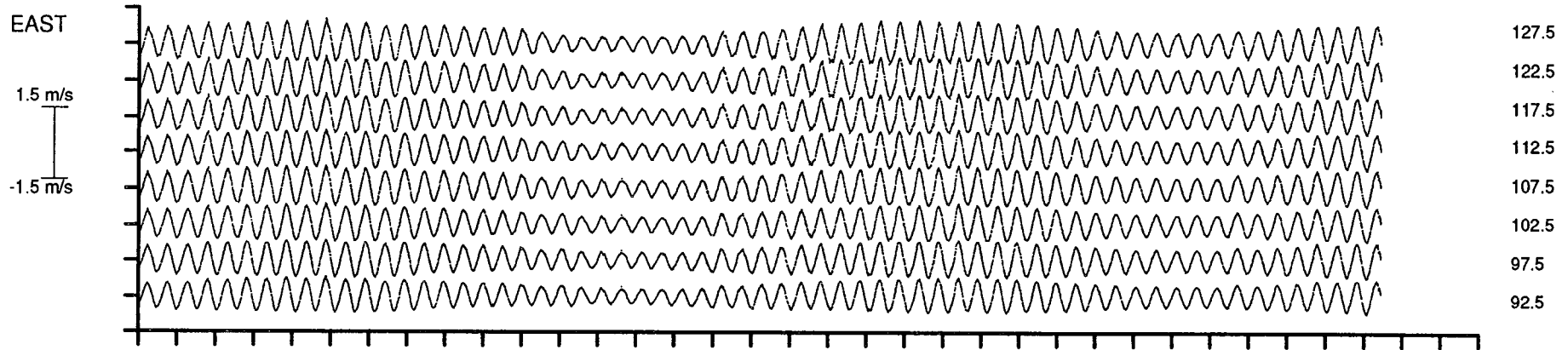
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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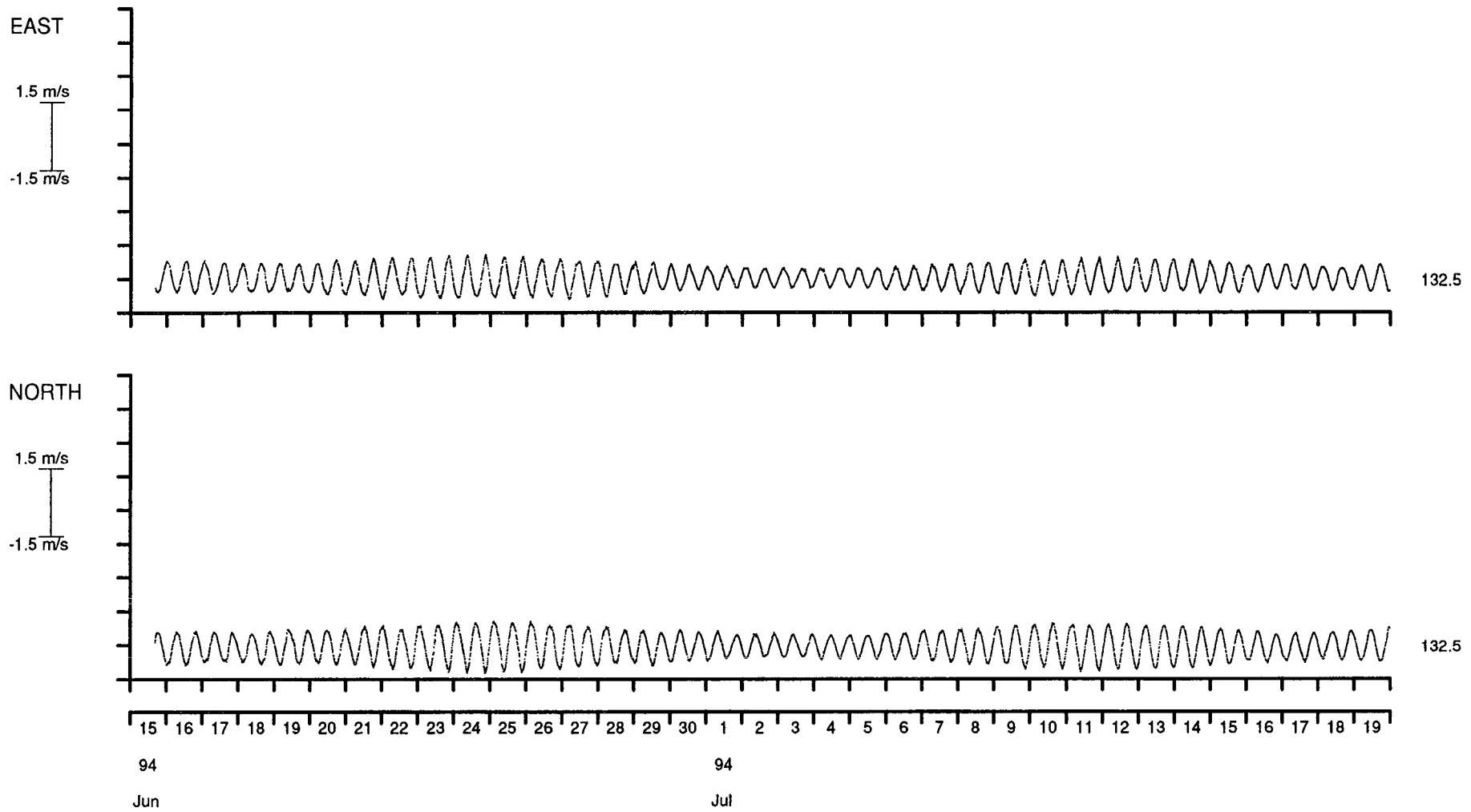
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

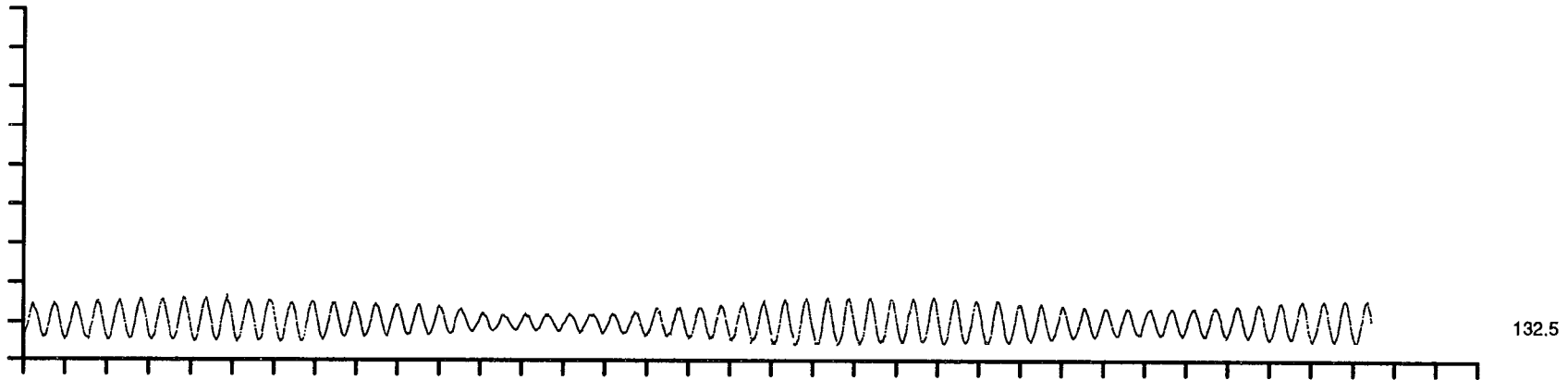
Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

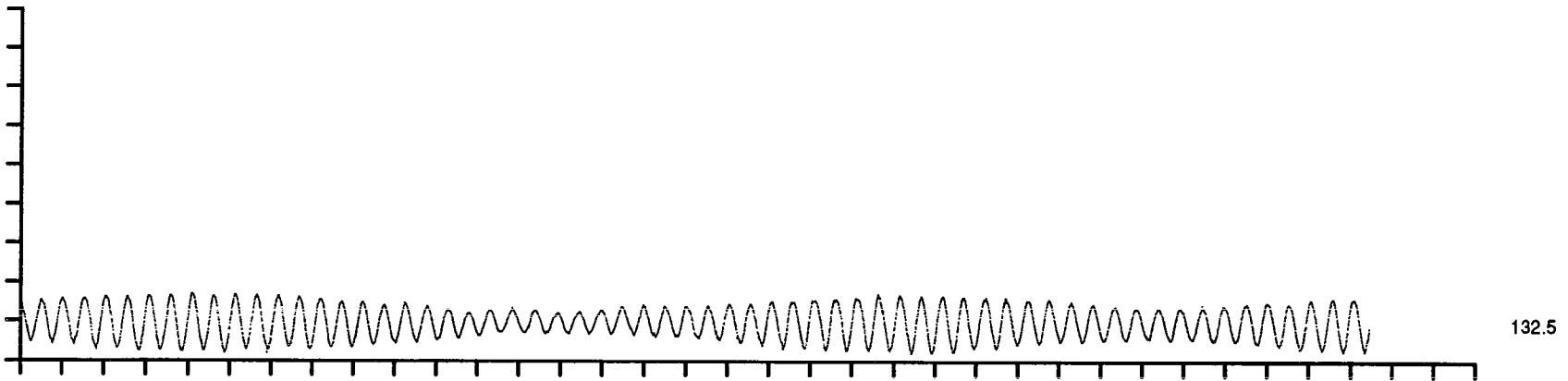
EAST

1.5 m/s
-1.5 m/s



NORTH

1.5 m/s
-1.5 m/s



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

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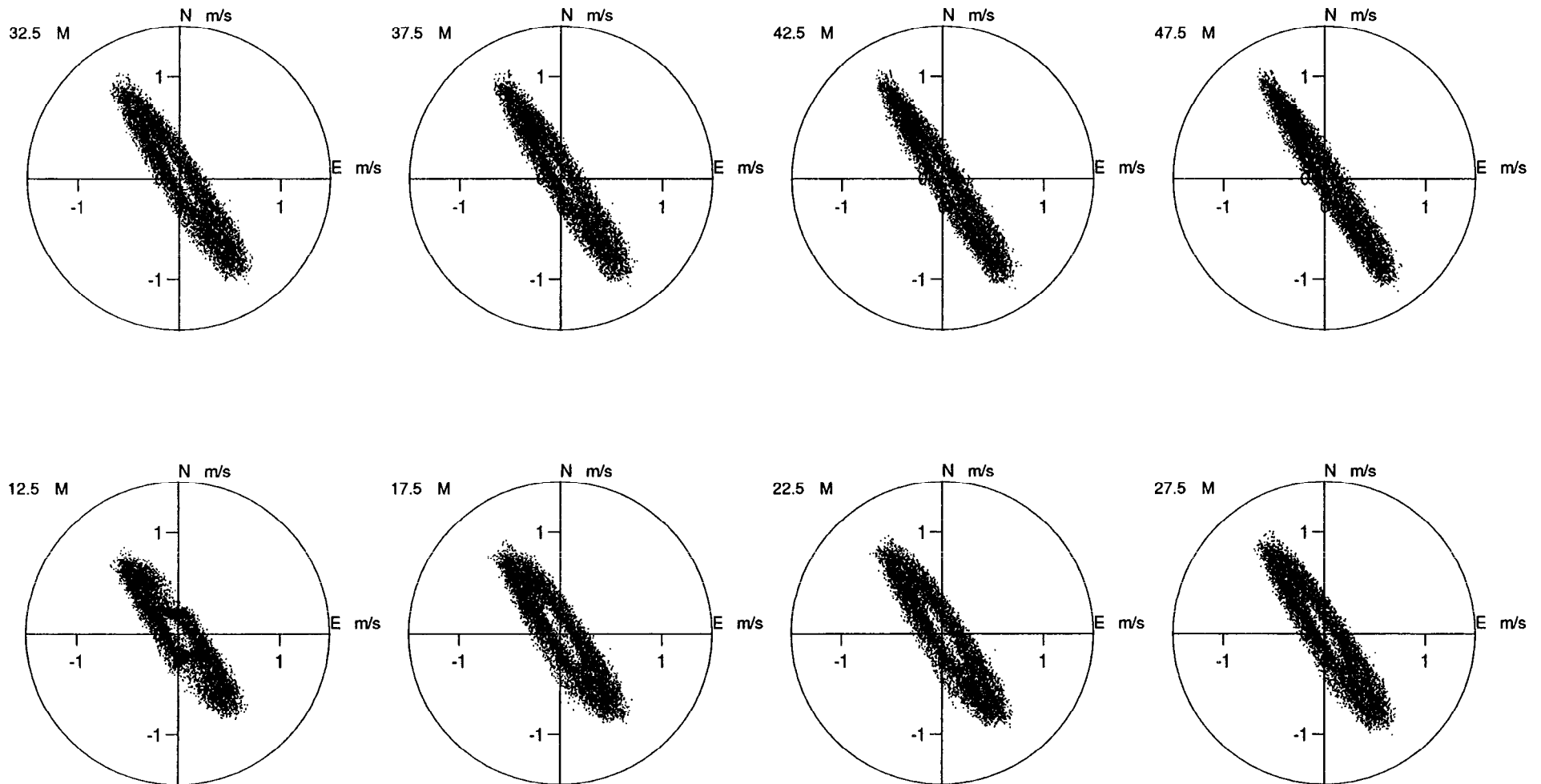
Aug

SCATTER PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

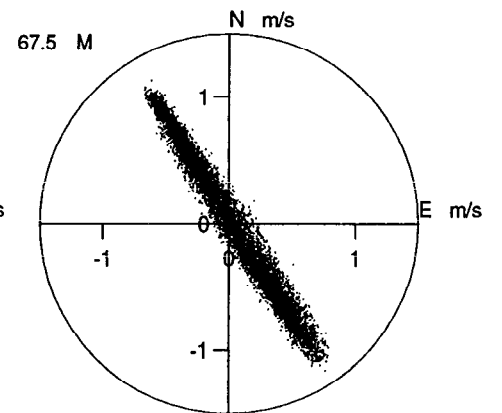
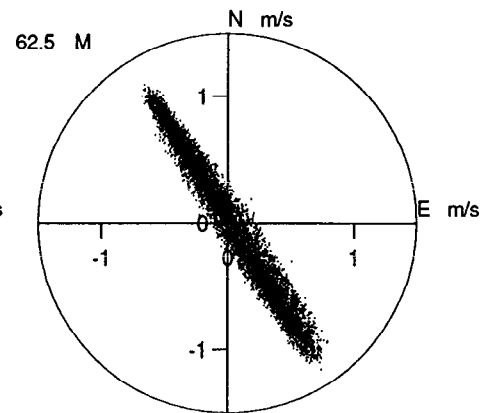
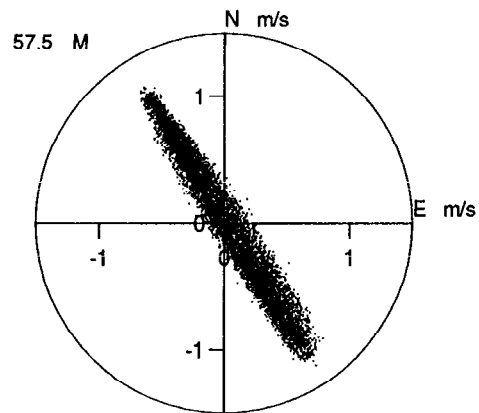
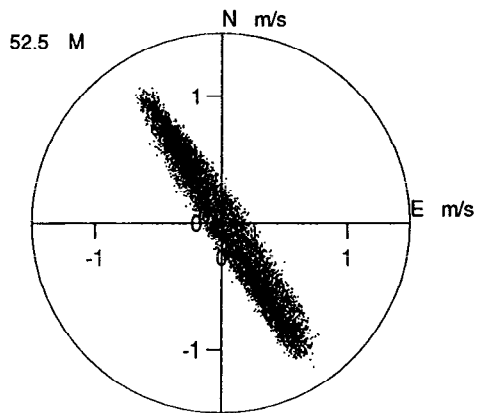
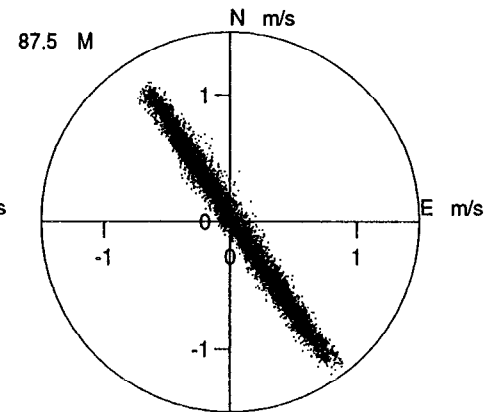
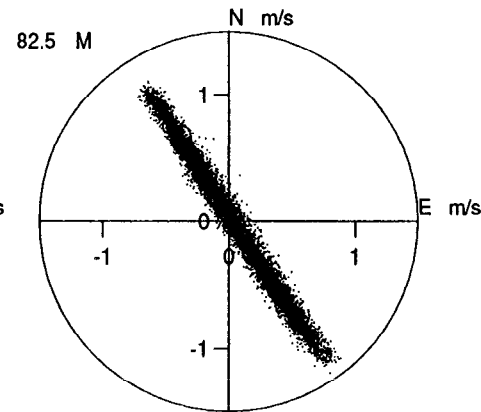
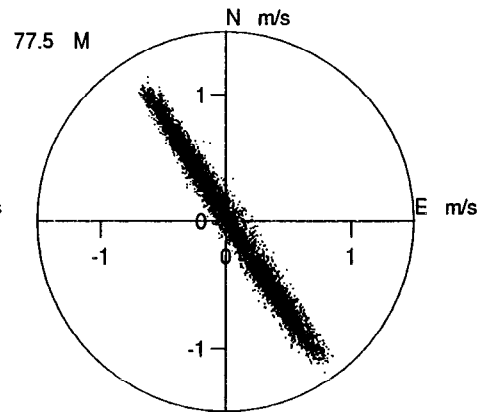
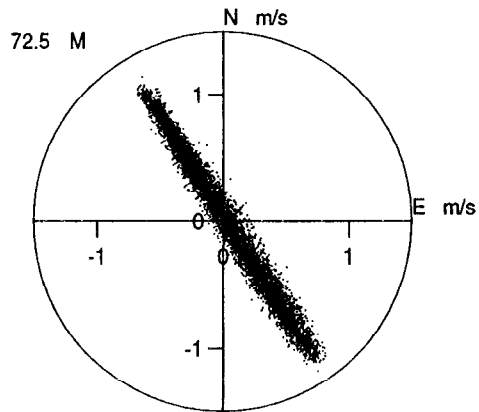


SCATTER PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

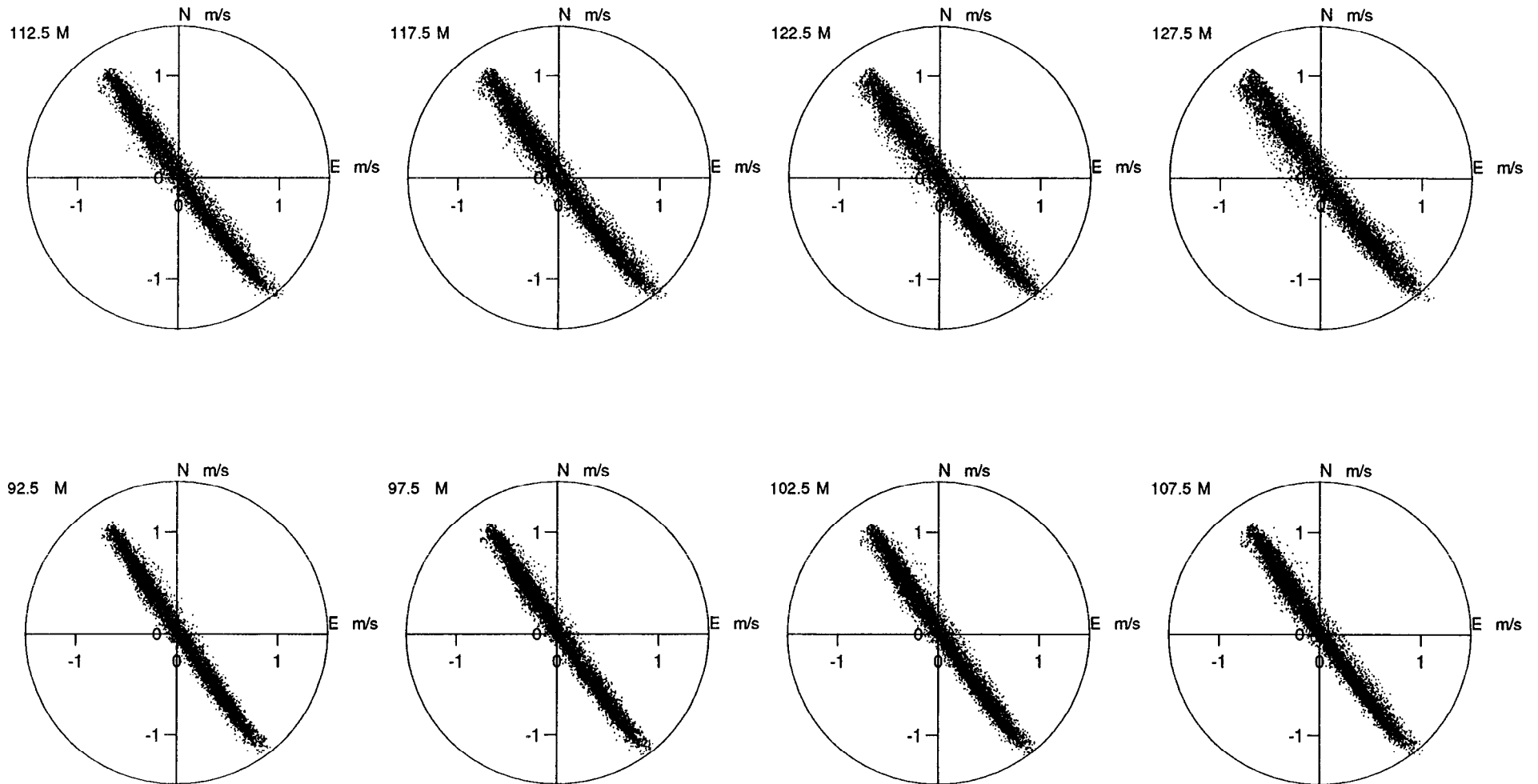


SCATTER PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

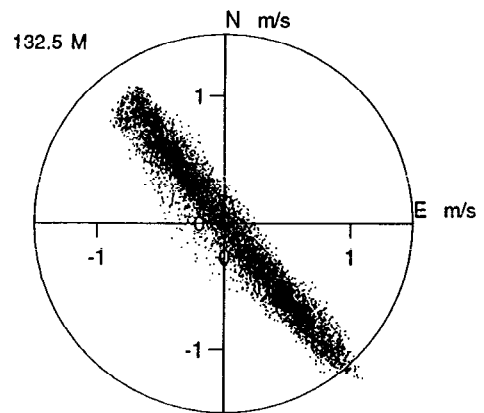


SCATTER PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

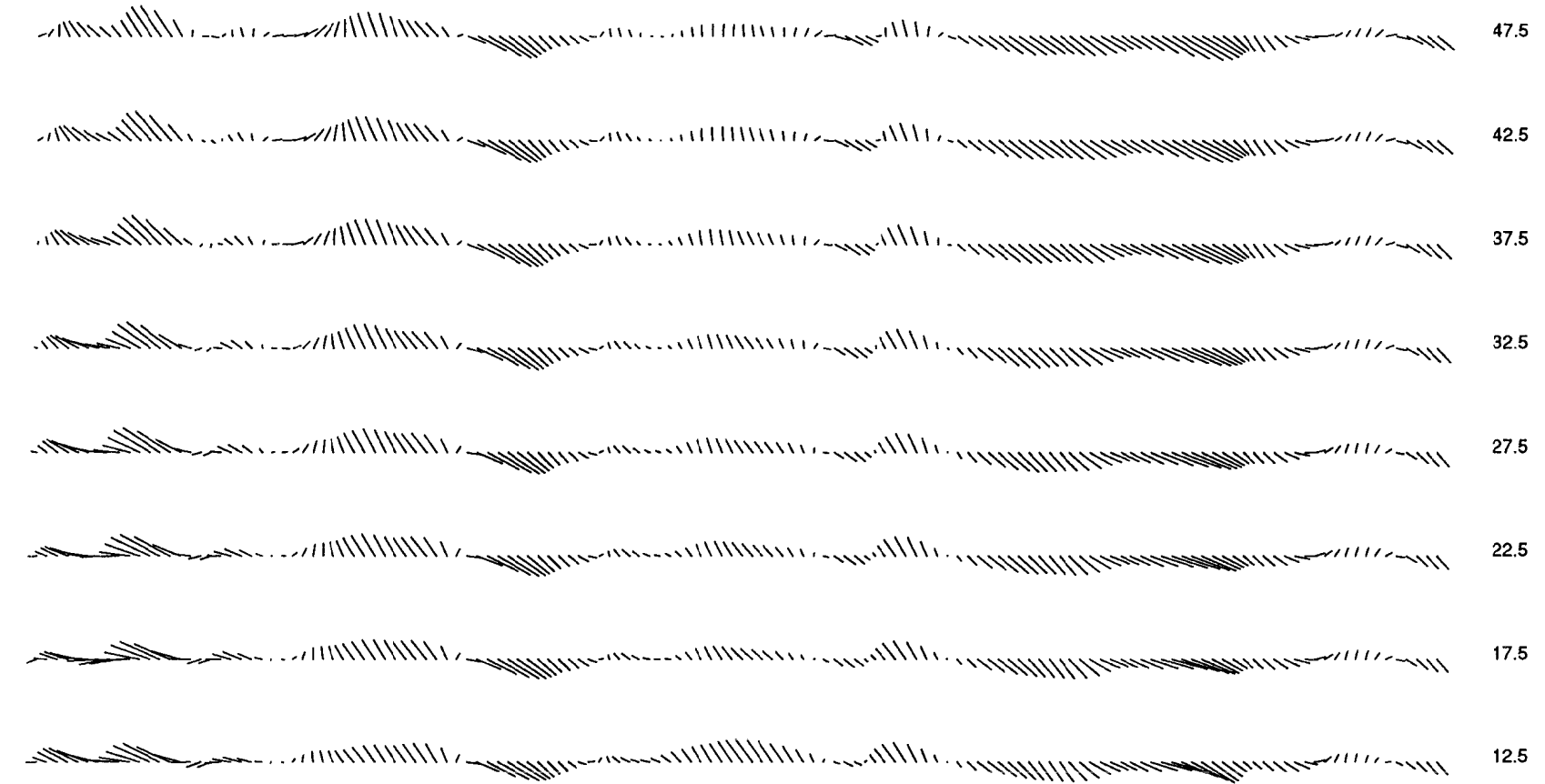
Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



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

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STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

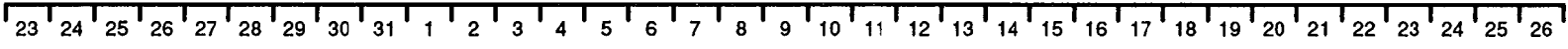
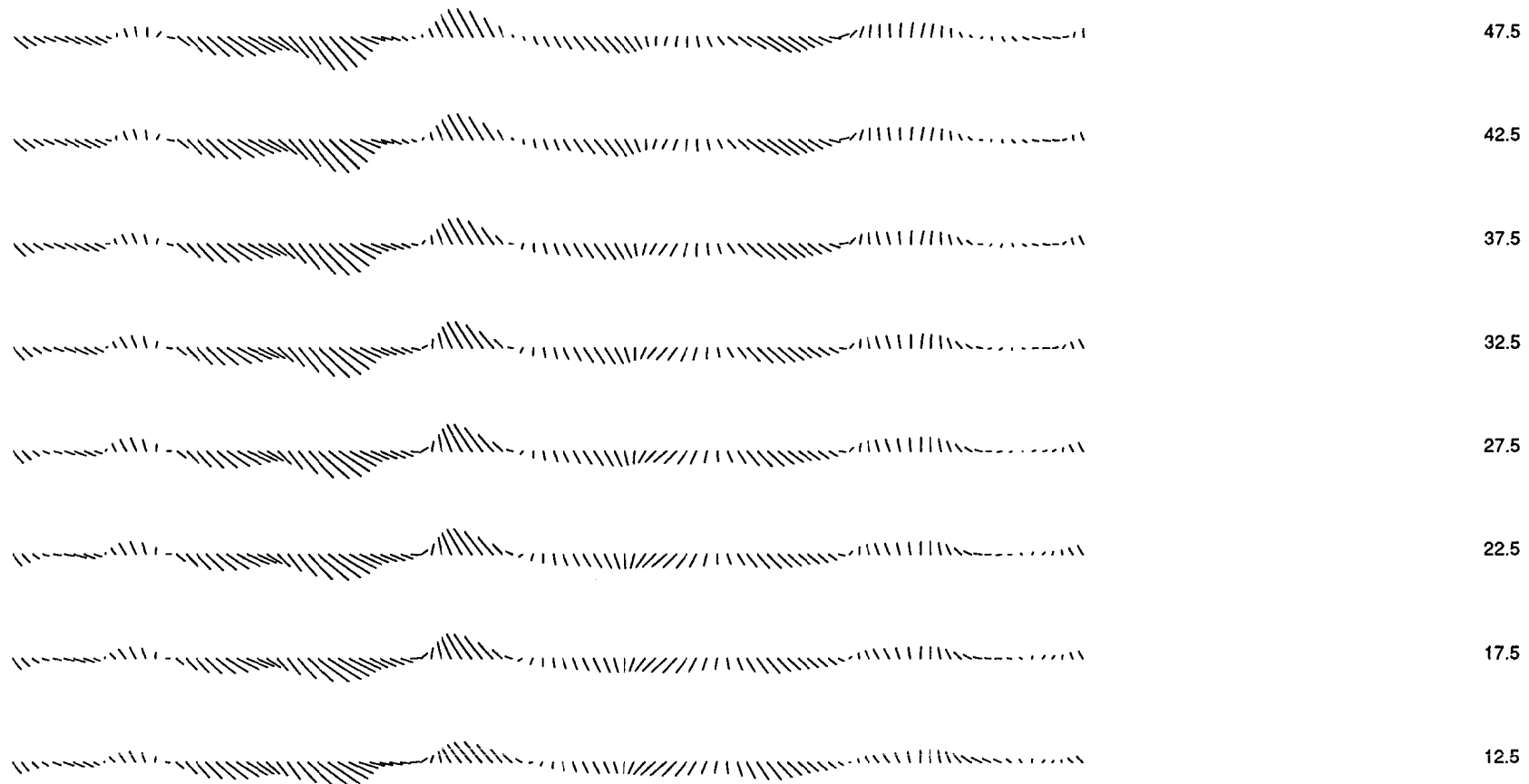
Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



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STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

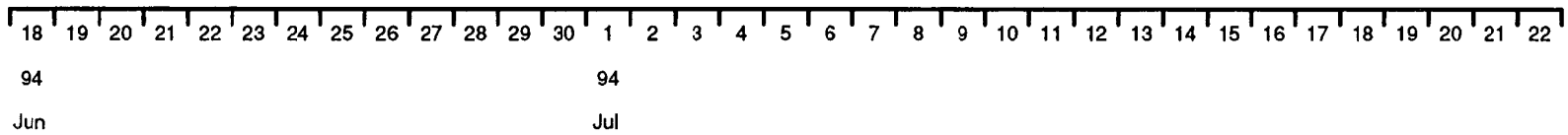
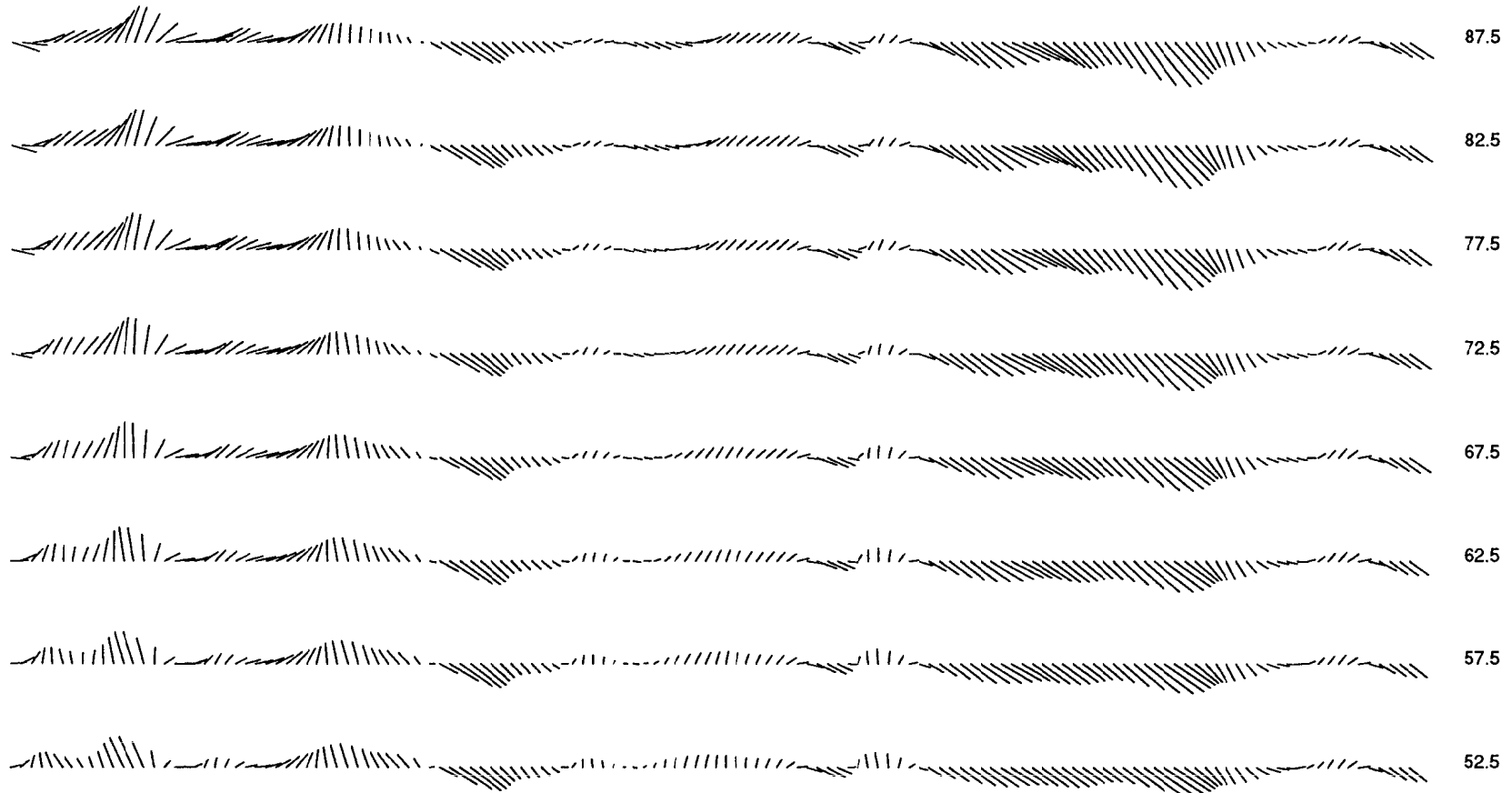
Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

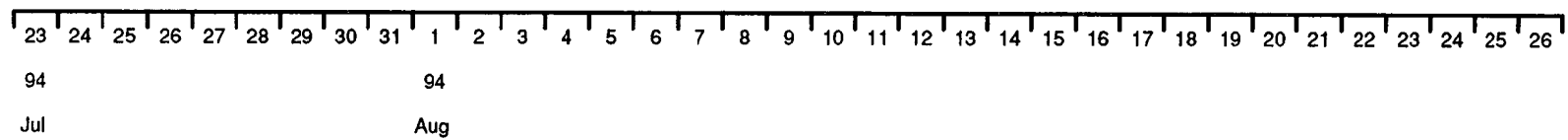
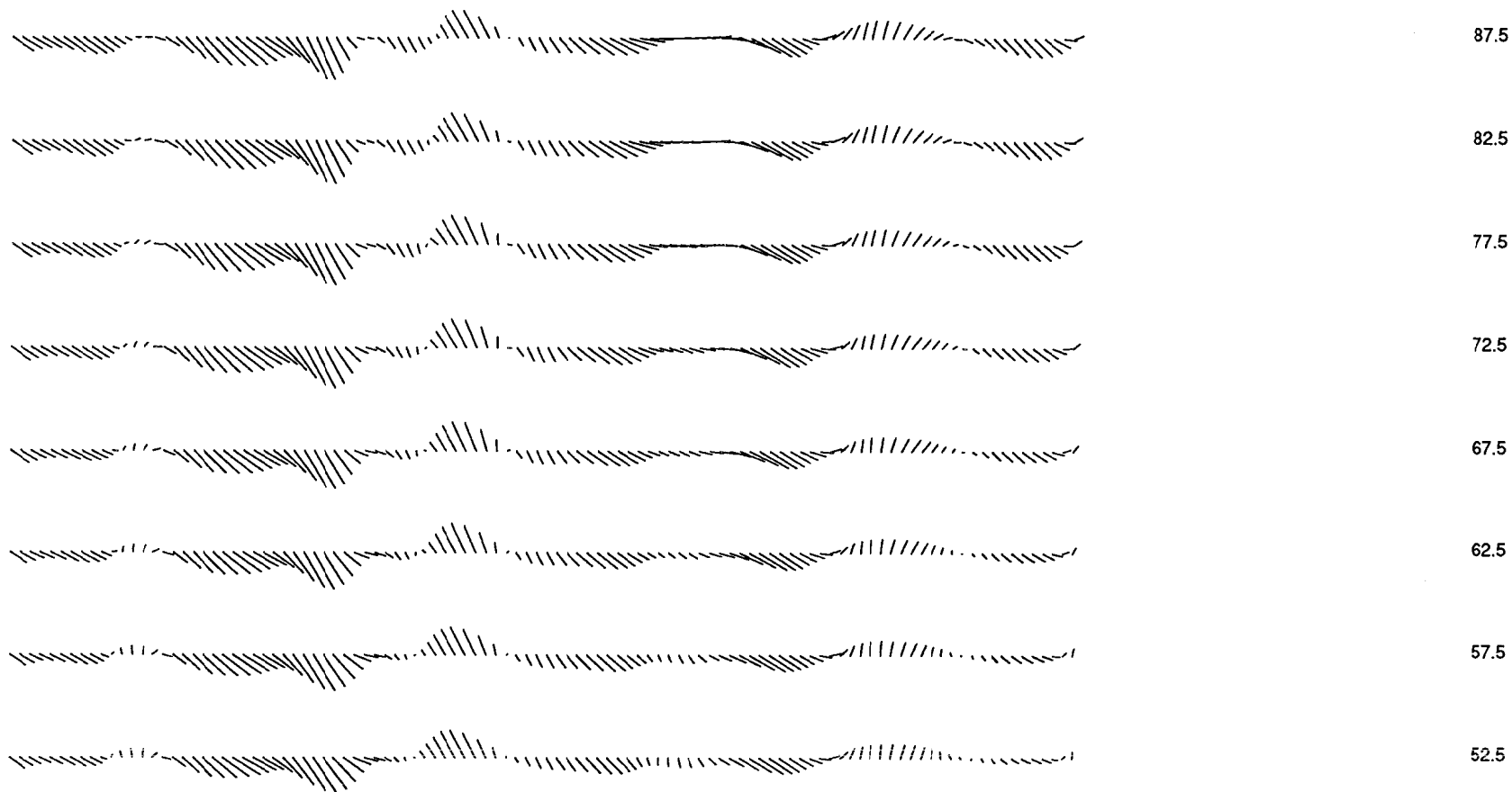
Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

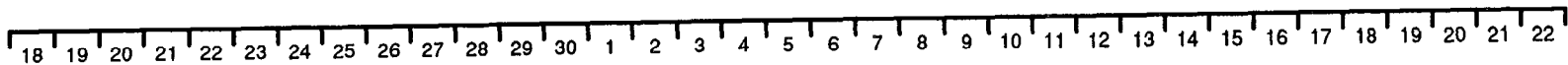
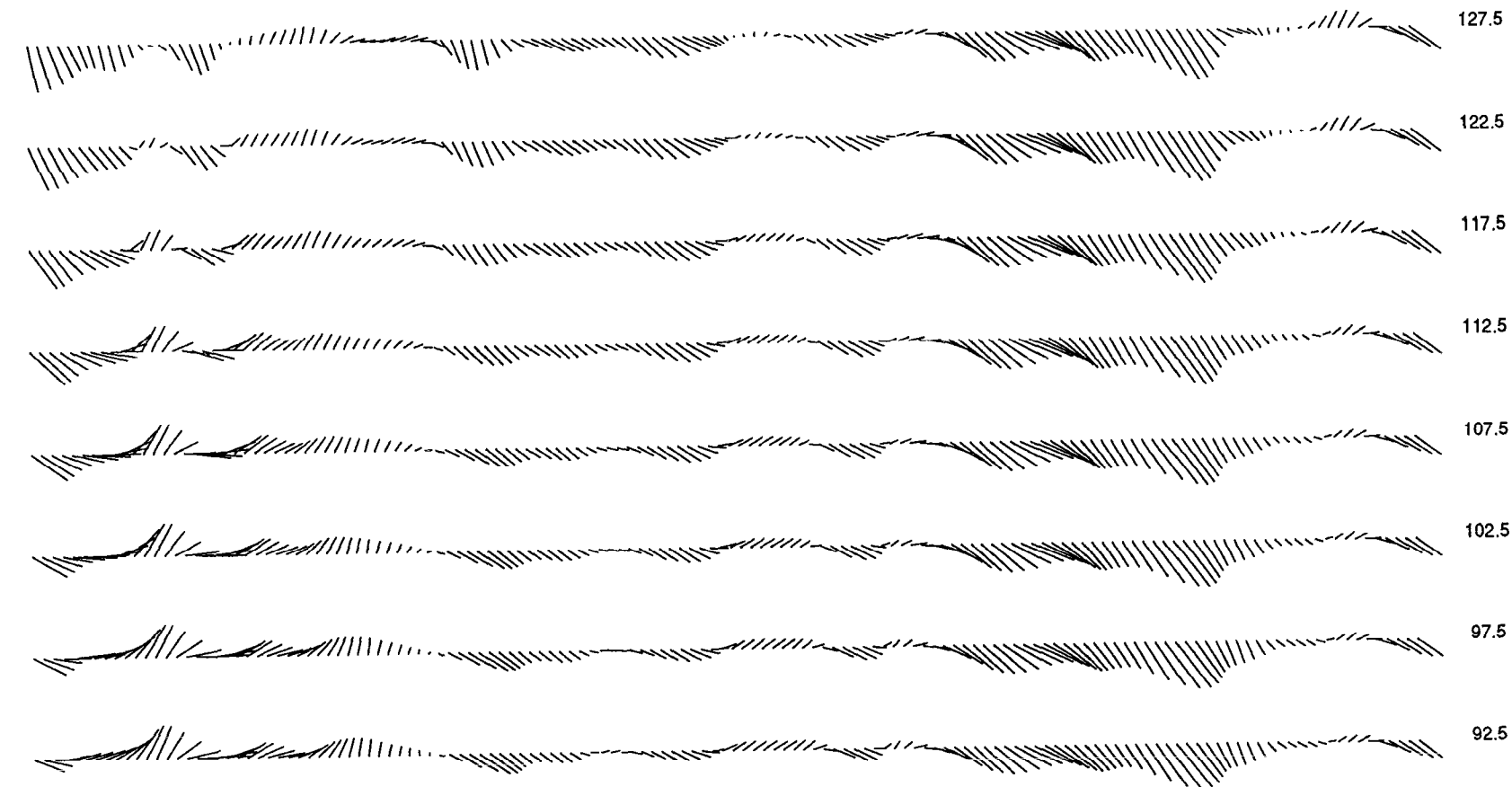
Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



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STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

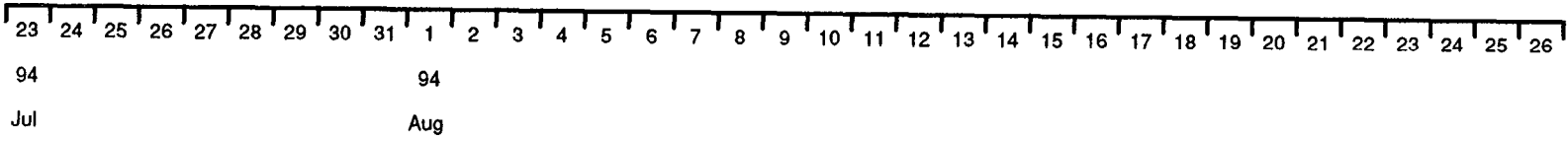
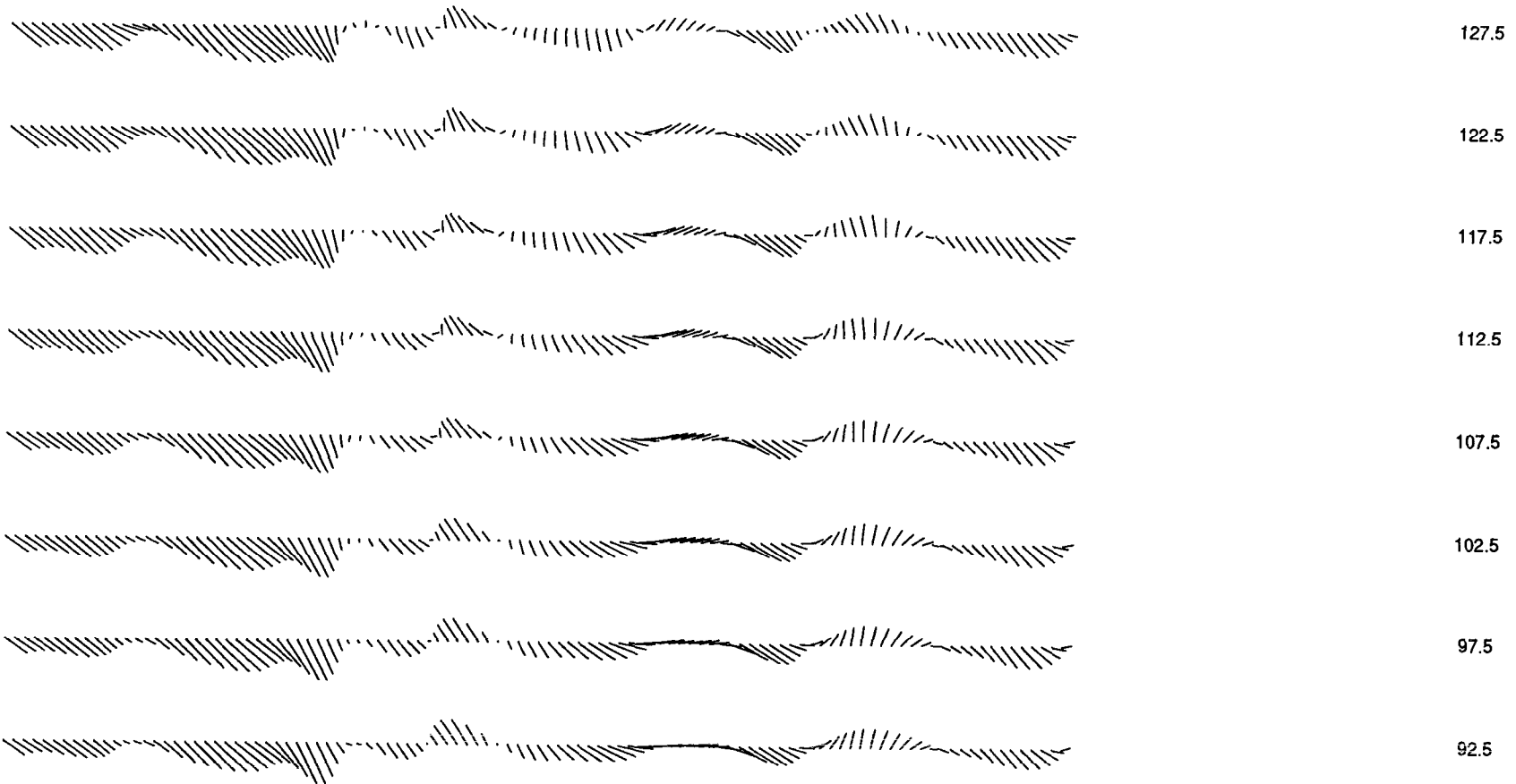
Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s



Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

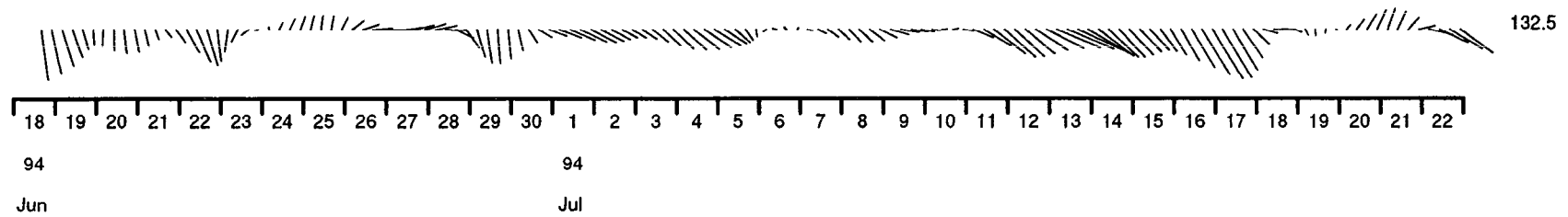
Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

—

Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

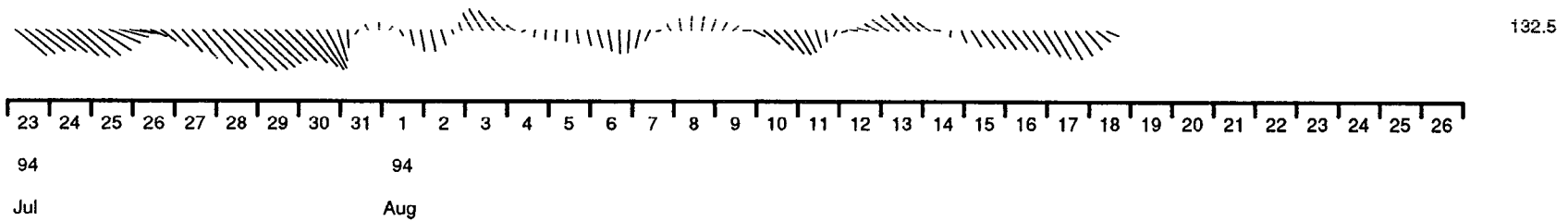
Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

—

Bin Ht (m)



Statistics for bb1149.00620

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.001	98.7	0.2385	-37.0	0.0103	53.0
2	17.5	0.006	136.3	0.2884	-34.4	0.0122	55.6
3	22.5	0.006	117.9	0.3128	-33.6	0.0115	56.4
4	27.5	0.008	109.8	0.3329	-33.0	0.0104	57.0
5	32.5	0.010	104.5	0.3495	-32.6	0.0092	57.4
6	37.5	0.013	102.4	0.3641	-32.2	0.0078	57.8
7	42.5	0.016	101.3	0.3773	-32.0	0.0066	58.0
8	47.5	0.019	101.3	0.3894	-31.9	0.0055	58.1
9	52.5	0.023	101.7	0.4004	-32.0	0.0044	58.0
10	57.5	0.026	102.1	0.4112	-32.0	0.0036	58.0
11	62.5	0.029	103.0	0.4220	-32.2	0.0029	57.8
12	67.5	0.033	104.3	0.4323	-32.4	0.0024	57.6
13	72.5	0.036	105.3	0.4423	-32.7	0.0020	57.3
14	77.5	0.038	105.7	0.4521	-33.0	0.0018	57.0
15	82.5	0.041	106.8	0.4622	-33.3	0.0017	56.7
16	87.5	0.043	108.0	0.4725	-33.7	0.0018	56.3
17	92.5	0.046	109.6	0.4820	-34.0	0.0019	56.0
18	97.5	0.048	111.3	0.4915	-34.4	0.0021	55.6
19	102.5	0.049	113.2	0.5002	-34.9	0.0023	55.1
20	107.5	0.050	115.6	0.5082	-35.4	0.0027	54.6
21	112.5	0.050	118.7	0.5158	-35.9	0.0030	54.1
22	117.5	0.049	122.8	0.5227	-36.6	0.0034	53.4
23	122.5	0.048	127.5	0.5275	-37.3	0.0040	52.7
24	127.5	0.047	132.1	0.5301	-38.1	0.0047	51.9
25	132.5	0.046	135.6	0.5316	-39.1	0.0057	50.9

Statistics for bb1149.00620

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.005	113.8	0.0018	-53.4	0.0002	36.6
2	17.5	0.007	124.8	0.0017	-56.2	0.0003	33.8
3	22.5	0.008	113.0	0.0018	-54.2	0.0002	35.8
4	27.5	0.009	108.8	0.0018	-51.6	0.0002	38.4
5	32.5	0.012	105.5	0.0018	-49.1	0.0002	40.9
6	37.5	0.014	103.9	0.0017	-46.0	0.0001	44.0
7	42.5	0.017	103.1	0.0017	-44.1	0.0001	45.9
8	47.5	0.020	103.0	0.0017	-41.7	0.0001	48.3
9	52.5	0.023	103.2	0.0016	-39.2	0.0001	50.8
10	57.5	0.026	103.2	0.0016	-37.0	0.0001	53.0
11	62.5	0.029	103.6	0.0016	-34.7	0.0001	55.3
12	67.5	0.032	104.5	0.0016	-32.8	0.0002	57.2
13	72.5	0.035	105.3	0.0016	-30.6	0.0002	59.4
14	77.5	0.037	105.5	0.0016	-28.2	0.0003	61.8
15	82.5	0.040	106.5	0.0016	-26.8	0.0004	63.2
16	87.5	0.041	107.4	0.0016	-25.6	0.0004	64.4
17	92.5	0.044	108.9	0.0016	-25.0	0.0004	65.0
18	97.5	0.045	110.3	0.0015	-25.6	0.0005	64.4
19	102.5	0.047	112.0	0.0016	-26.3	0.0005	63.7
20	107.5	0.047	114.2	0.0016	-28.1	0.0004	61.9
21	112.5	0.046	117.1	0.0017	-30.1	0.0004	59.9
22	117.5	0.045	121.0	0.0017	-32.2	0.0003	57.8
23	122.5	0.044	125.5	0.0018	-34.0	0.0003	56.0
24	127.5	0.043	129.7	0.0018	-36.3	0.0004	53.7
25	132.5	0.041	132.7	0.0019	-39.5	0.0005	50.5

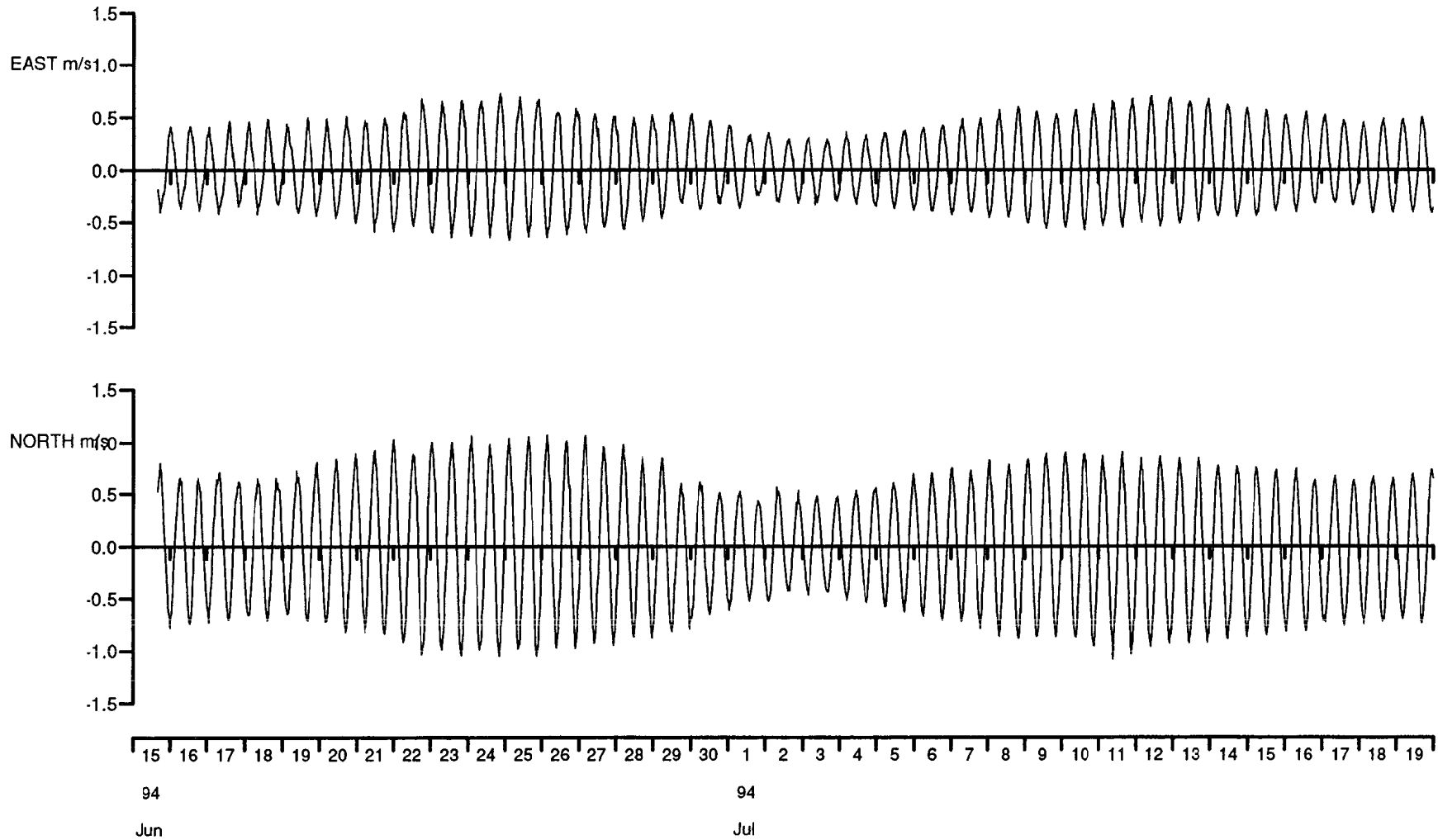
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



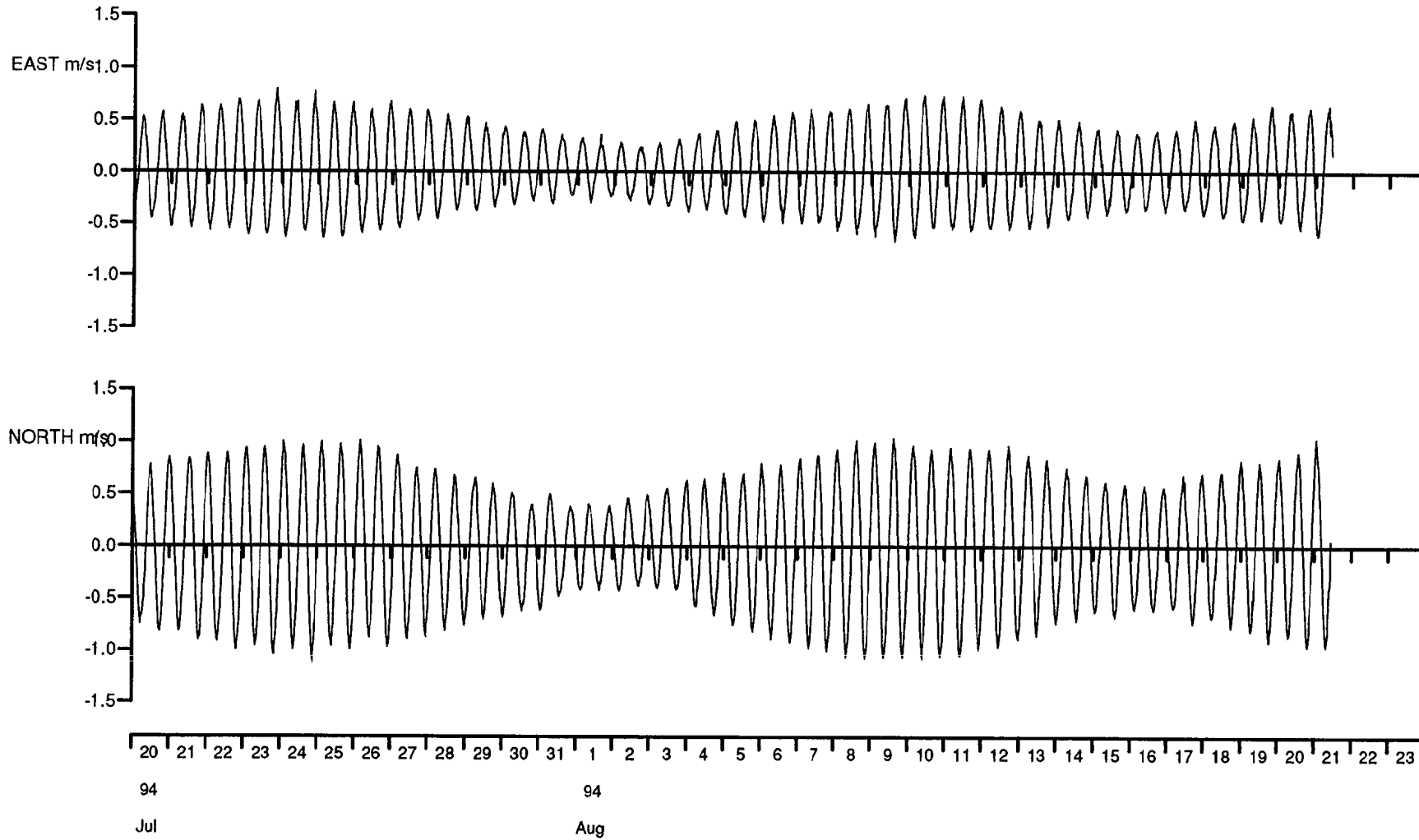
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



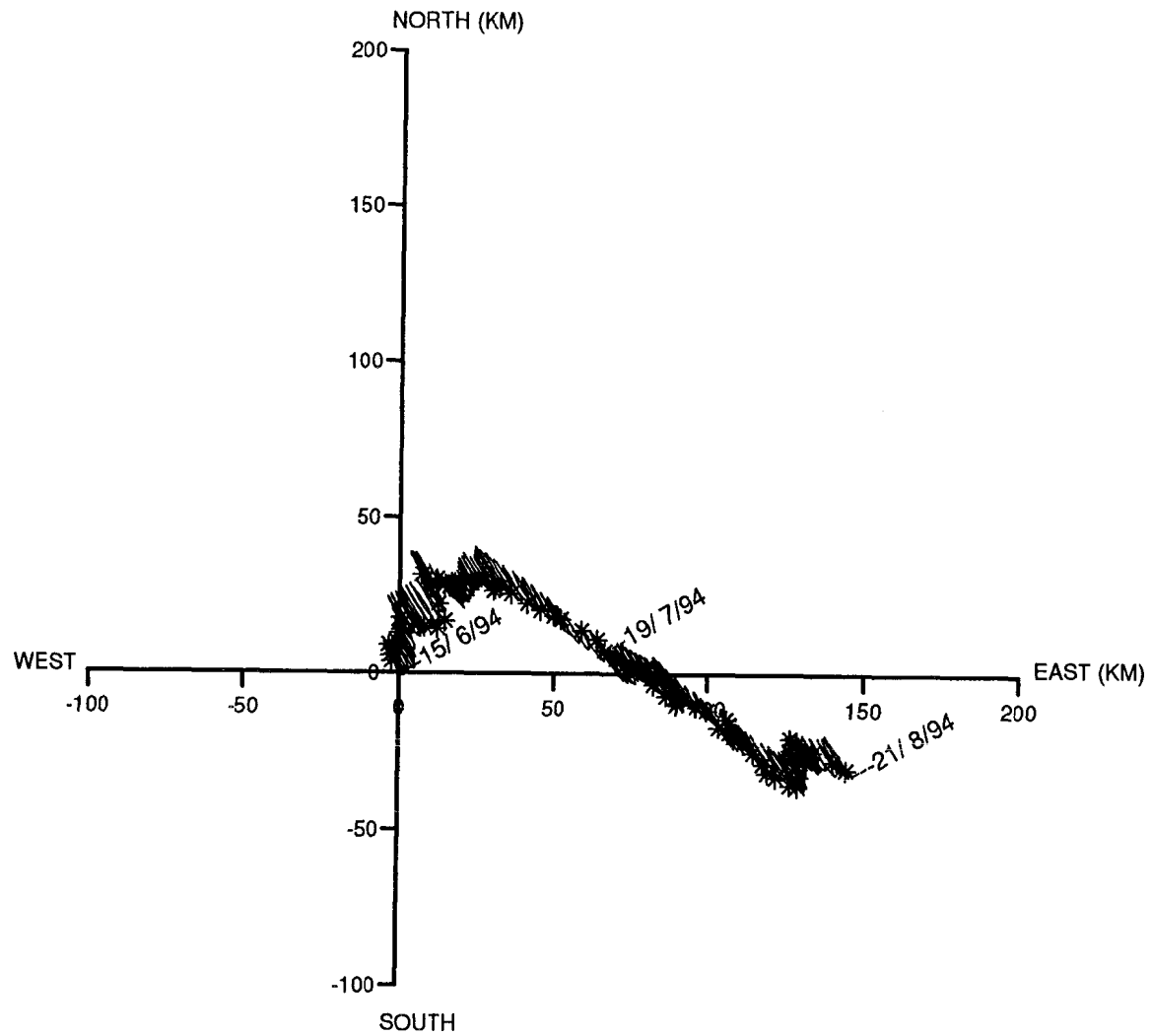
VECTOR PLOT

Meter no. 1149 Rig no. 00620 Depth of water(m) 147.0

Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00

Position 54 46.03N 05 23.79W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1149.00620s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0254	0.11817748E+00	0.34376952E+00
Northings	-0.0055	0.29660004E+00	0.54460996E+00
Speed	0.5669	0.94101205E-01	0.30675921E+00
Vector mean speed	0.0260		
Vector Mean Direction	102.1		

Maximum ten values

Eastings					Northings				
0.793	0.766	0.762	0.755	0.737	1.072	1.067	1.065	1.064	1.056
0.737	0.736	0.732	0.731	0.728	1.043	1.037	1.033	1.033	1.032

Minimum ten values

Eastings					Northings				
-0.643	-0.645	-0.646	-0.646	-0.653	-1.063	-1.065	-1.067	-1.069	-1.070
-0.653	-0.666	-0.667	-0.668	-0.673	-1.070	-1.078	-1.085	-1.085	-1.124

Maximum speeds

1.344	1.299	1.267	1.264	1.263	1.261	1.260	1.256	1.253	1.252
1.251	1.251	1.250	1.250	1.249	1.247	1.246	1.246	1.245	1.244
1.243	1.243	1.242	1.241	1.240	1.239	1.238	1.237	1.235	1.235
1.234	1.234	1.234	1.233	1.232	1.230	1.230	1.229	1.229	1.228
1.227	1.227	1.226	1.226	1.226	1.222	1.222	1.221	1.221	1.220
1.220	1.220	1.219	1.219	1.219	1.217	1.216	1.214	1.214	1.213
1.213	1.213	1.212	1.211	1.210	1.210	1.209	1.209	1.208	1.208
1.208	1.206	1.206	1.205	1.205	1.204	1.203	1.202	1.201	1.200
1.197	1.197	1.196	1.196	1.195	1.194	1.193	1.192	1.190	1.188
1.188	1.187	1.187	1.187	1.186	1.185	1.184	1.184	1.183	1.183

Variance ellipse statistics

Maximum variance	0.4112E+00	Direction	-32.0
Minimum variance	0.3573E-02	Direction	58.0
Total variance	0.4148E+00	Ratio of variances	0.8689E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			3.6
Average direction. maxdir +PI/2 to maxdir -PI/2			177.1

Statistics for bb1149.00620s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0253	0.65306656E-03	0.25555167E-01
Northings	-0.0059	0.10571559E-02	0.32513931E-01
Speed	0.0425	0.57242427E-03	0.23925390E-01
Vector mean speed	0.0259		
Vector Mean Direction	103.2		

Maximum ten values

Eastings					Northings				
0.094	0.094	0.086	0.086	0.079	0.078	0.078	0.068	0.064	0.063
0.075	0.074	0.073	0.073	0.072	0.062	0.062	0.057	0.055	0.052

Minimum ten values

Eastings					Northings				
-0.019	-0.023	-0.023	-0.026	-0.026	-0.057	-0.058	-0.061	-0.065	-0.068
-0.028	-0.029	-0.029	-0.035	-0.036	-0.068	-0.069	-0.077	-0.082	-0.087

Maximum speeds

0.117	0.114	0.110	0.103	0.102	0.097	0.096	0.096	0.094	0.094
0.088	0.086	0.084	0.084	0.083	0.083	0.083	0.082	0.082	0.082
0.081	0.081	0.081	0.080	0.080	0.080	0.080	0.080	0.079	0.078
0.077	0.077	0.076	0.075	0.075	0.074	0.072	0.071	0.070	0.070
0.070	0.069	0.069	0.069	0.067	0.067	0.066	0.066	0.065	0.063
0.063	0.062	0.061	0.061	0.061	0.059	0.059	0.059	0.059	0.058
0.058	0.057	0.057	0.056	0.055	0.055	0.054	0.052	0.052	0.051
0.050	0.050	0.050	0.049	0.049	0.049	0.049	0.049	0.049	0.049
0.048	0.048	0.047	0.047	0.046	0.046	0.046	0.046	0.045	0.045
0.045	0.045	0.045	0.043	0.043	0.042	0.042	0.042	0.042	0.042

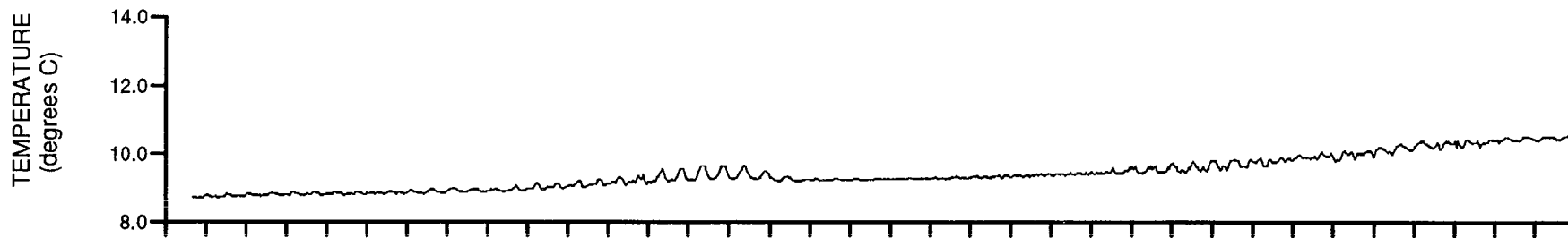
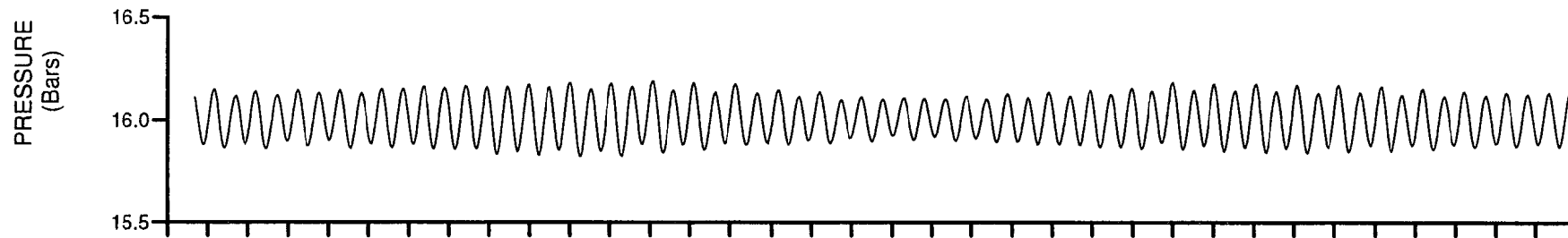
Variance ellipse statistics

Maximum variance	0.1592E-02	Direction	-37.0
Minimum variance	0.1180E-03	Direction	53.0
Total variance	0.1710E-02	Ratio of variances	0.7408E-01
Average direction. maxdir -PI/2 to maxdir +PI/2			43.0
Average direction. maxdir +PI/2 to maxdir -PI/2			155.1

Meter information details for 0445

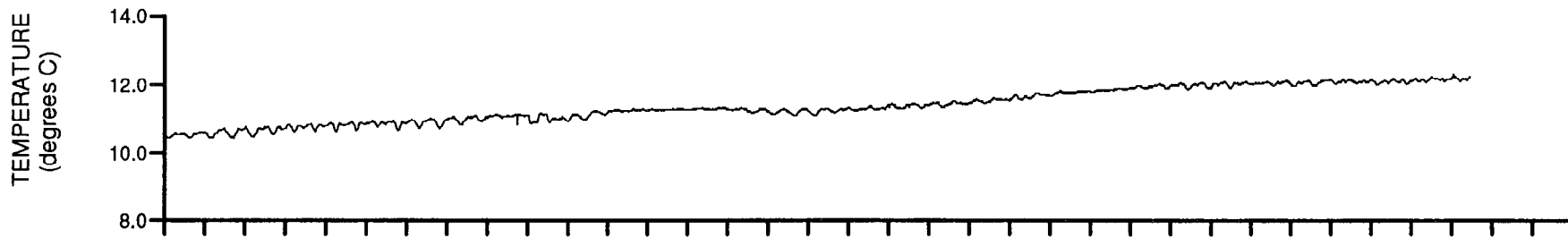
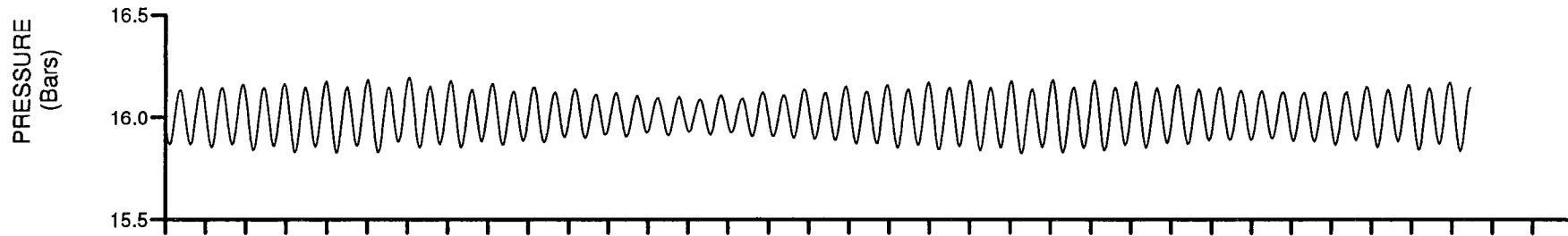
Rig No	:	00620
Meter No	:	0445
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	14-JUN-94 13:29:53
Meter stopped	:	21-AUG-94 14:19:41
Period switched on	:	68.0 days
Period of good data	:	66.8 days
Total number of scans	:	9618
Timing error	:	12 seconds fast
Comments	:	Good record obtained

Meter no. 0445 Rig no. 00620 Depth of water(m) 147.0
Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00
Position 54 46.03N 05 23.79W Meter Height(m) 0.5



15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
94 94
Jun Jul

Meter no. 0445 Rig no. 00620 Depth of water(m) 147.0
Start/End 1994/06/15 AT 16:05:00 1994/08/21 AT 11:00:00
Position 54 46.03N 05 23.79W Meter Height(m) 0.5



20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
94
Jul Aug

Rig information details for 00633

Position Latitude	:	54 46.09N
Position Longitude	:	05 23.73W
Water depth	:	147.0 m
Deployed on cruise	:	L.FOYLE
Recovered on cruise	:	CORYSTES
Site name identification	:	EA8
Magnetic deviation	:	7.2 degrees west
Rig deployed on	:	22-AUG-94 00:05:00
Rig recovered on	:	28-OCT-94 10:00:00
Period of deployment	:	67.4 days
Comments	:	Launch and recovery successful

Meter information details for 1149

Rig No : 00633
Meter No : 1149
Recording interval : 600.0 seconds
Meter height from bottom : 0.5 m
Meter type : BB
Meter started : 22-AUG-94 00:03:33
Meter stopped : 28-OCT-94 10:03:33
Period switched on : 67.4 days
Period of good data : 67.4 days
Total number of scans : 9707
Timing error : None
Comments : Good record obtained
Bin (24) - 5896 flagged errors
Bin (23) - 1 flagged error
Bin (1) - 64 flagged errors
Scatter plot for bin(1) shows a
marked difference to that of bin(2)

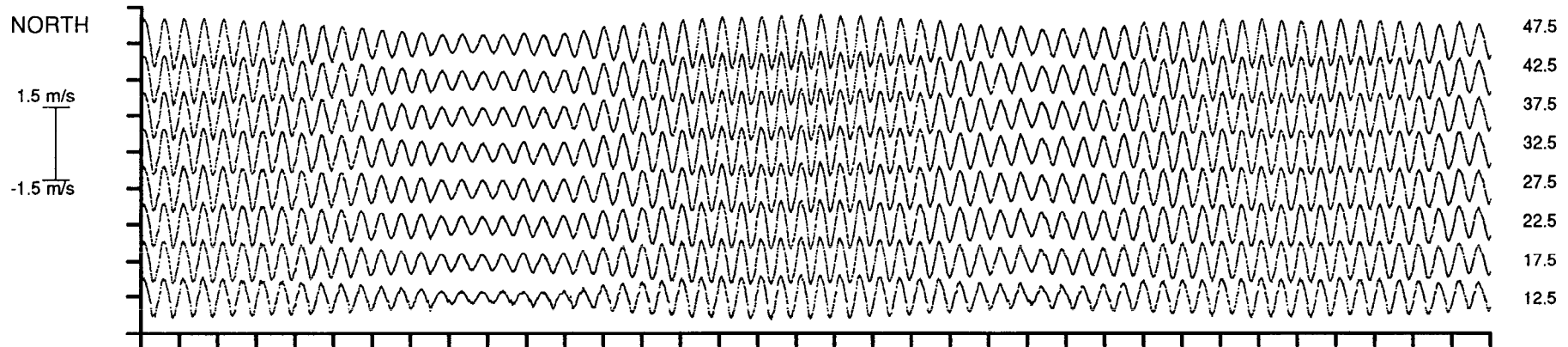
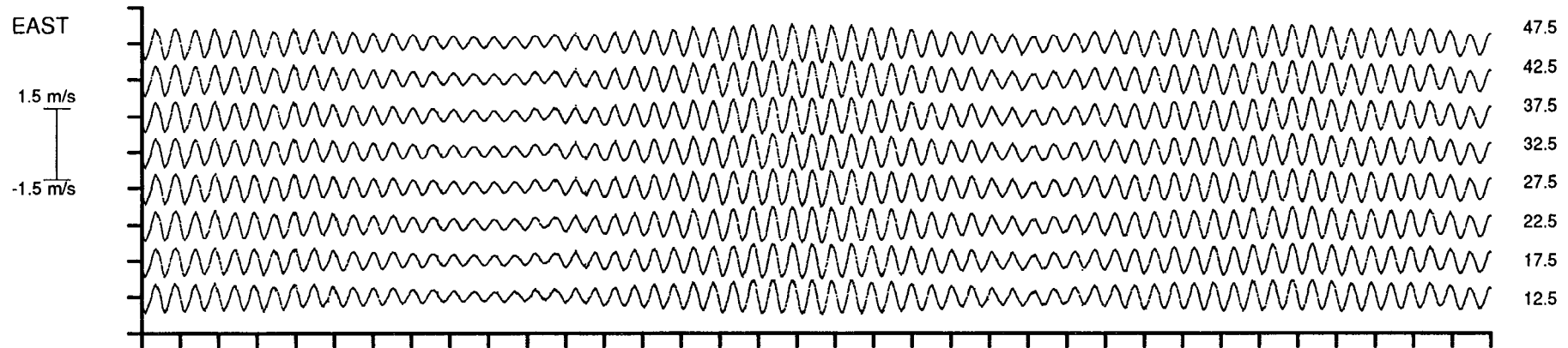
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

Aug Sep

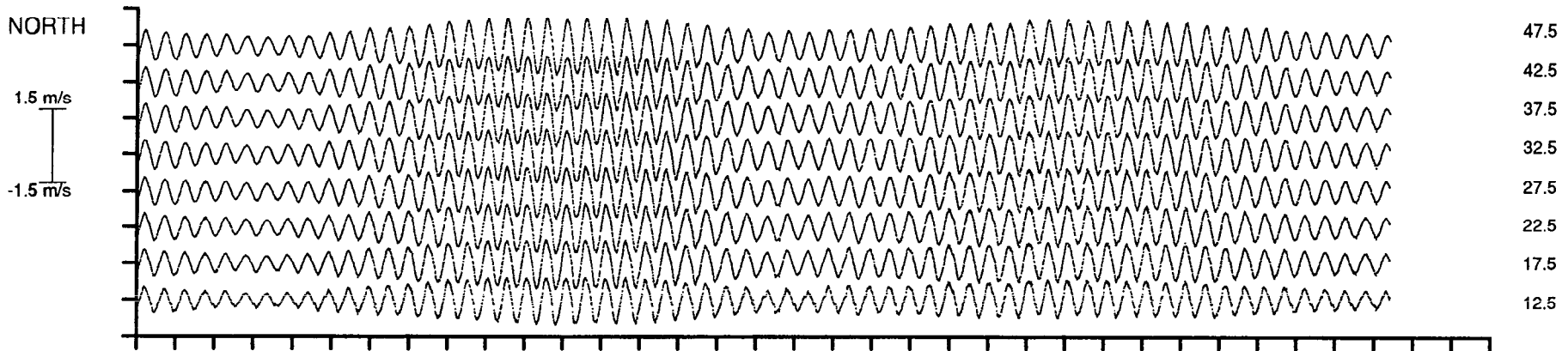
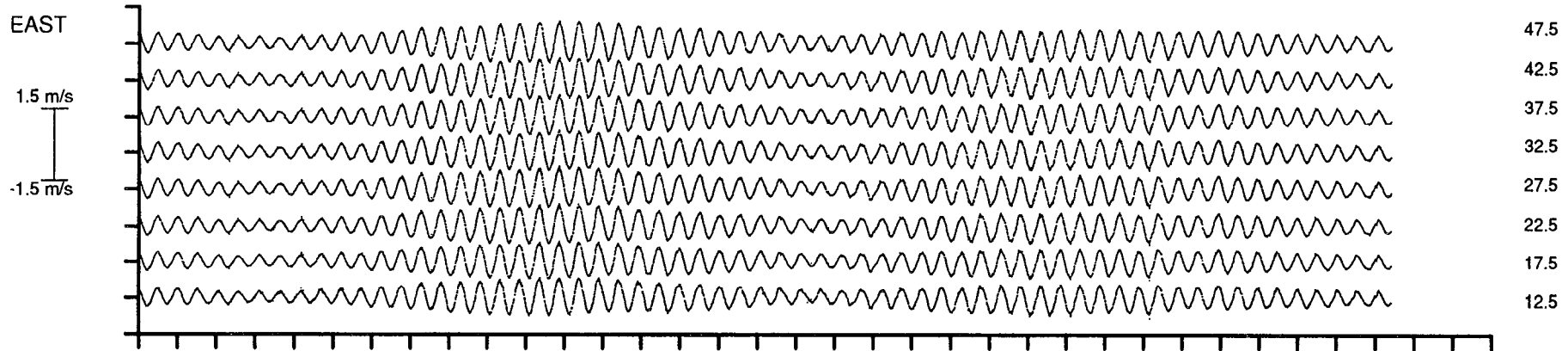
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94

Sep Oct

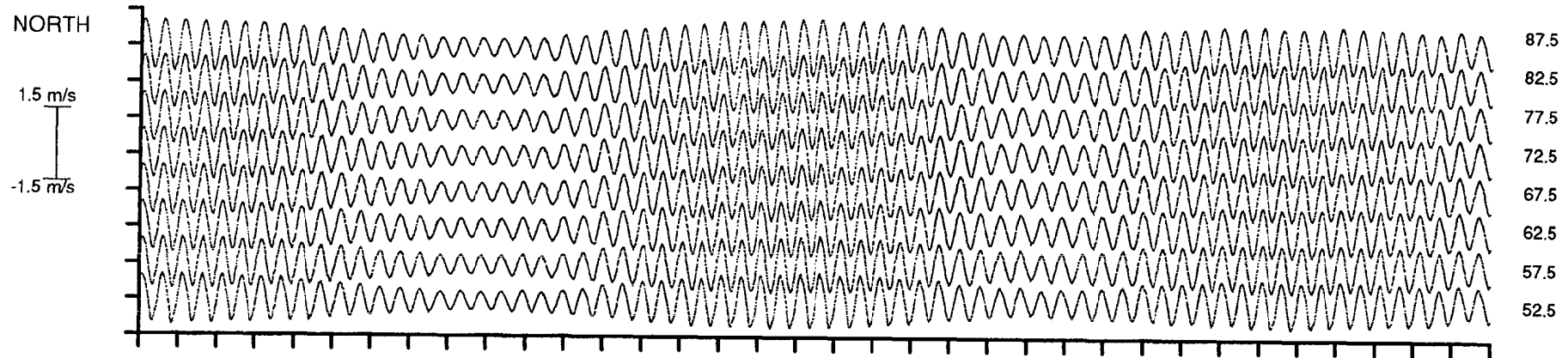
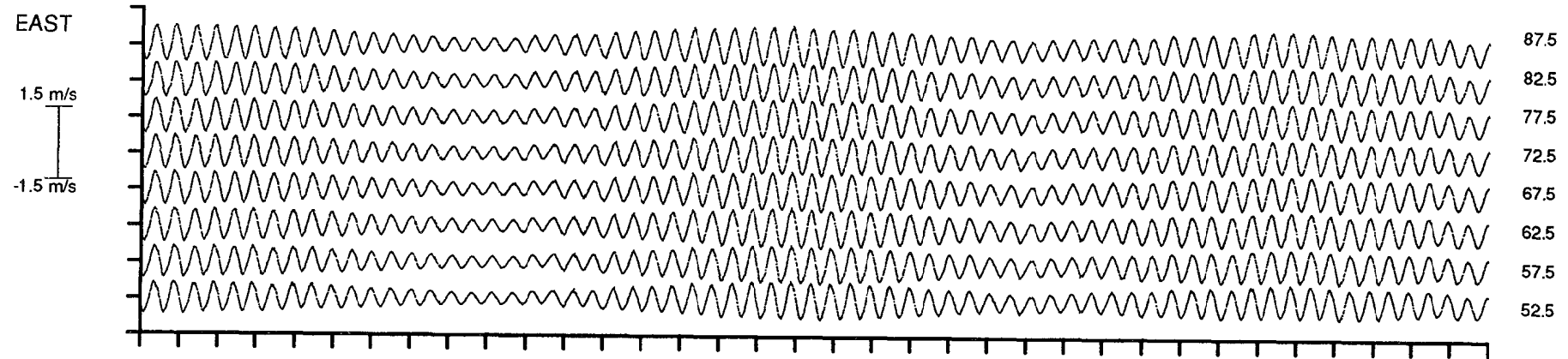
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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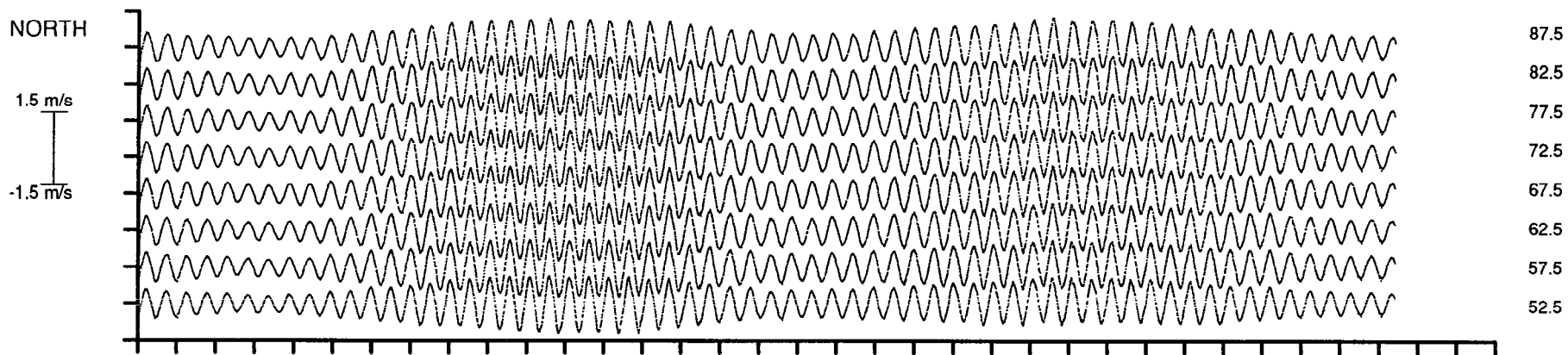
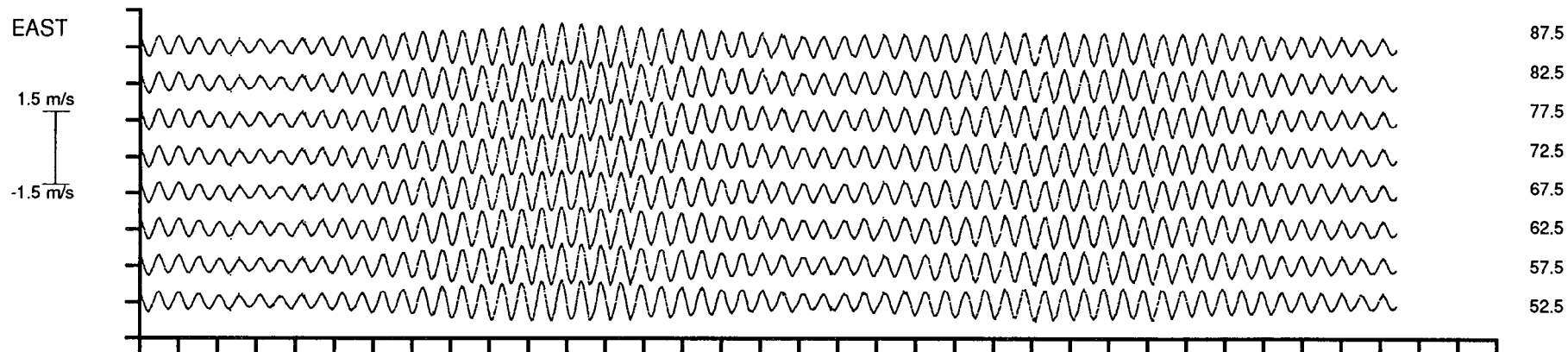
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

94 94
Sep Oct

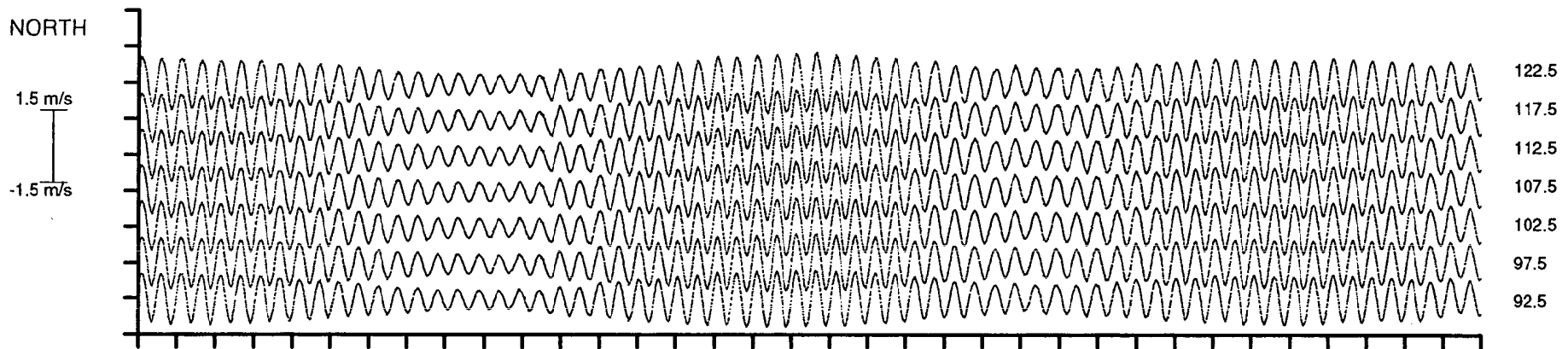
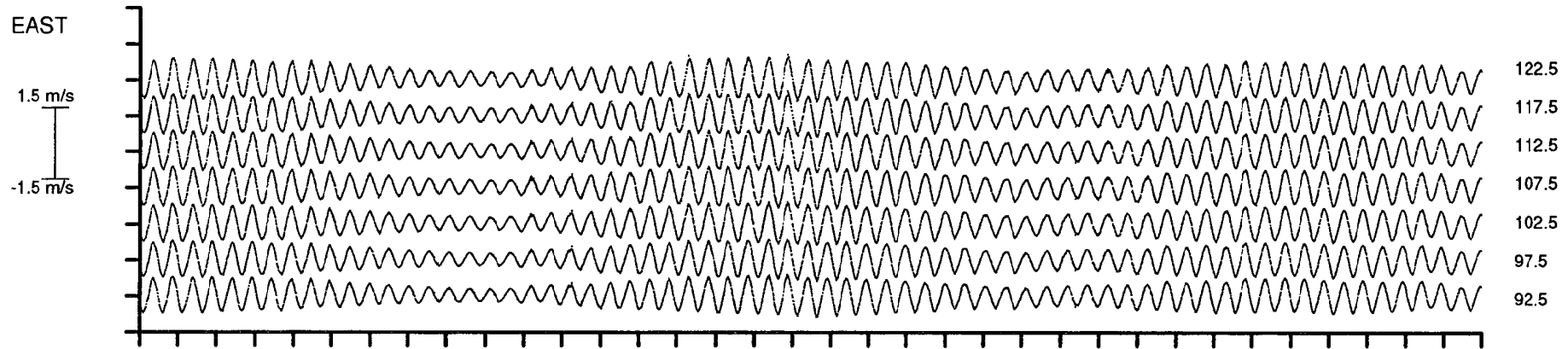
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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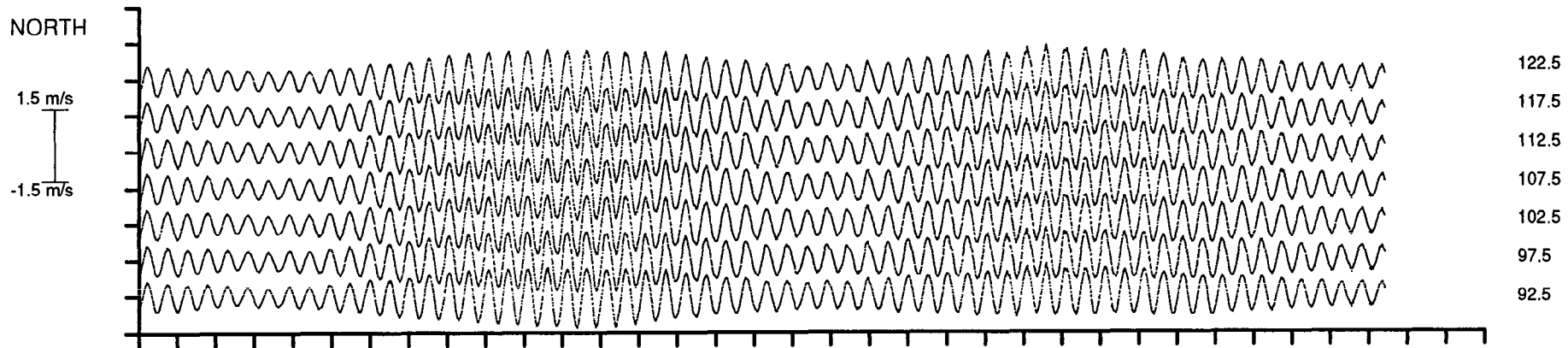
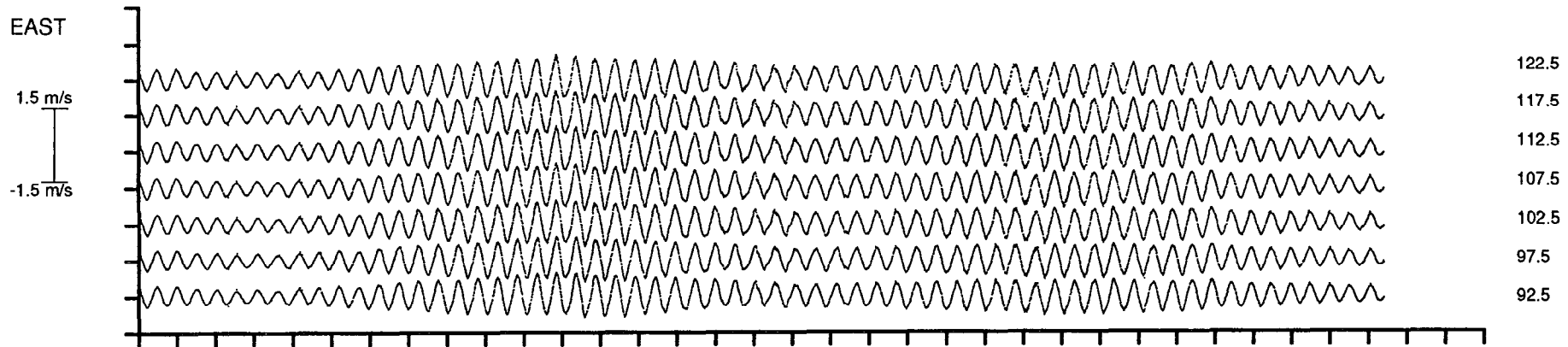
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)



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

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Sep

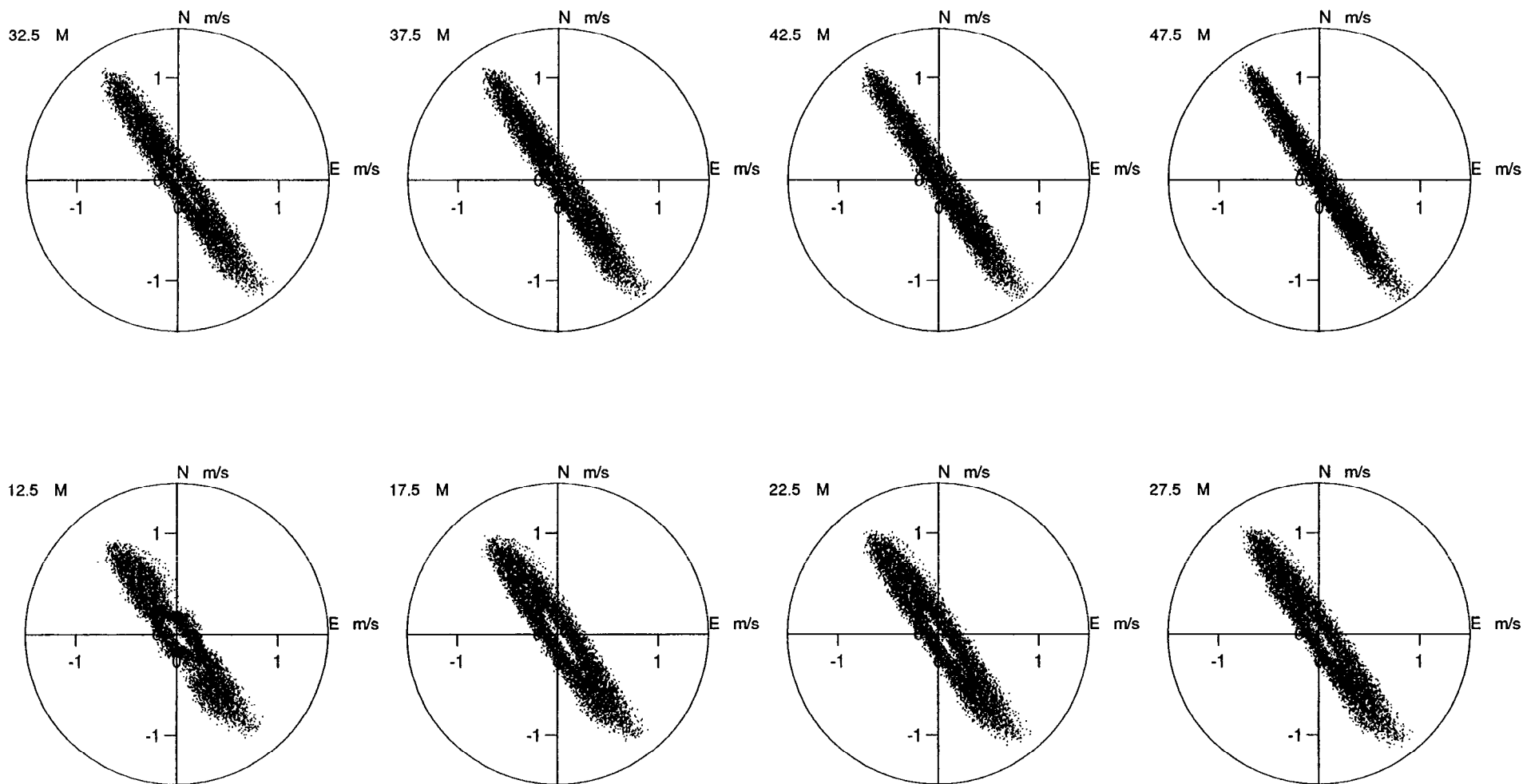
Oct

SCATTER PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

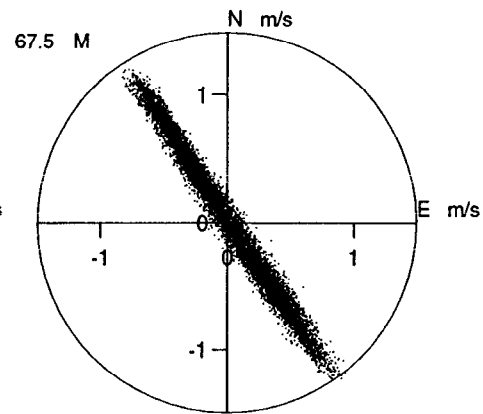
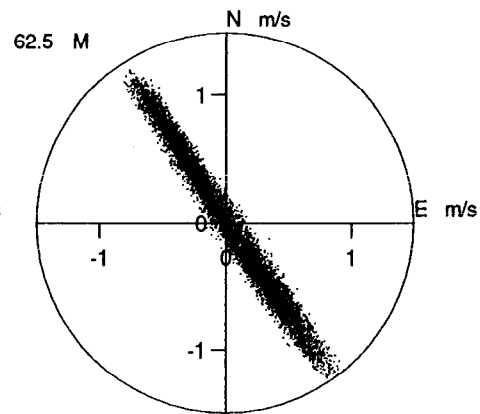
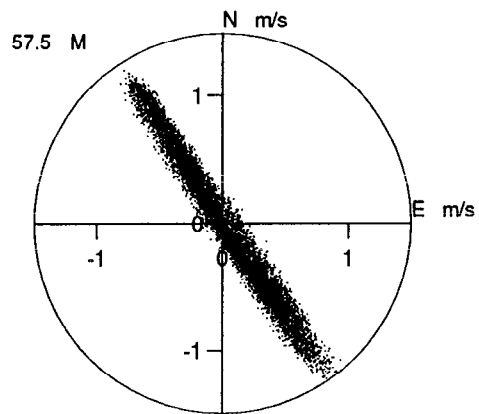
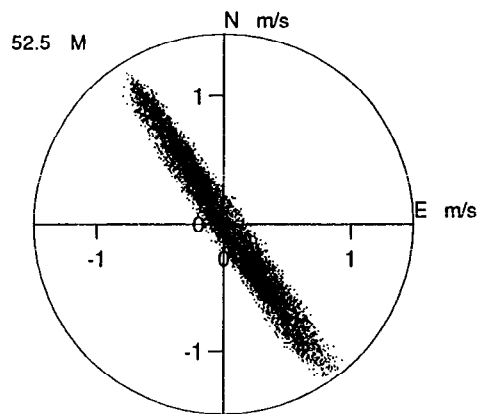
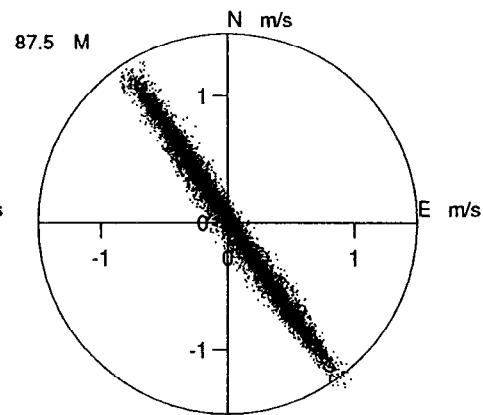
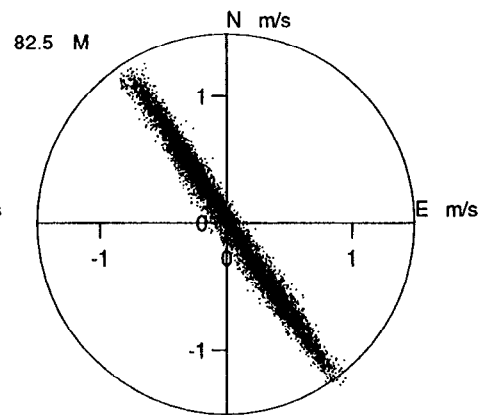
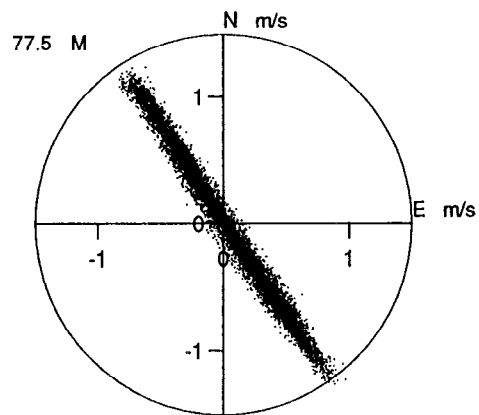
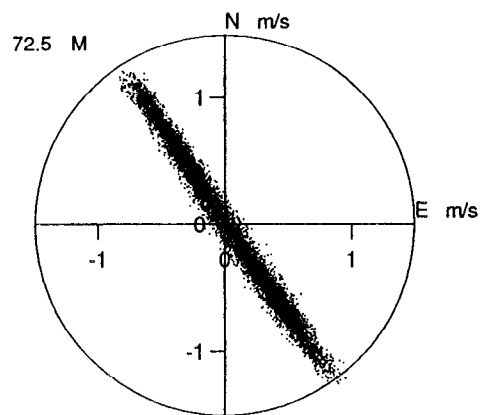


SCATTER PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

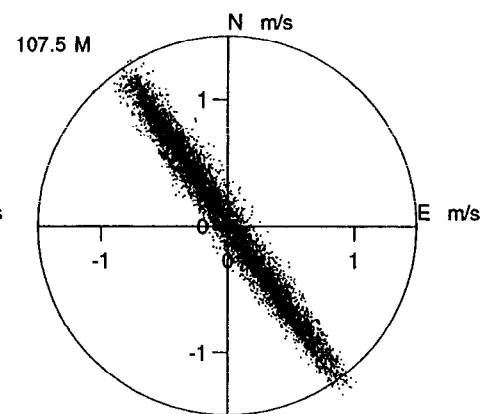
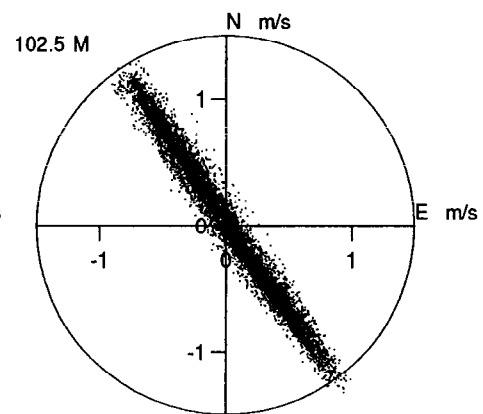
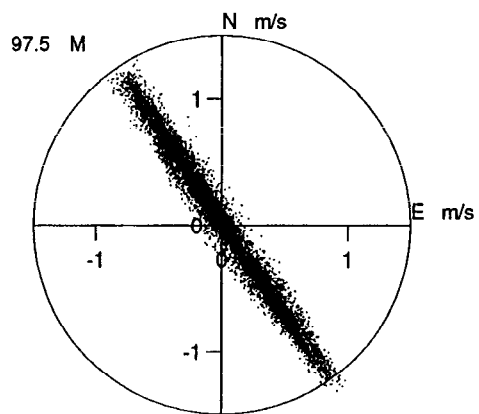
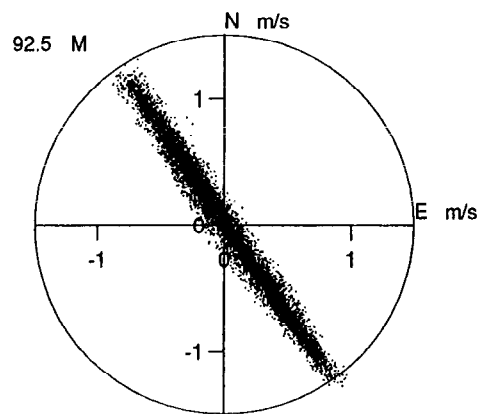
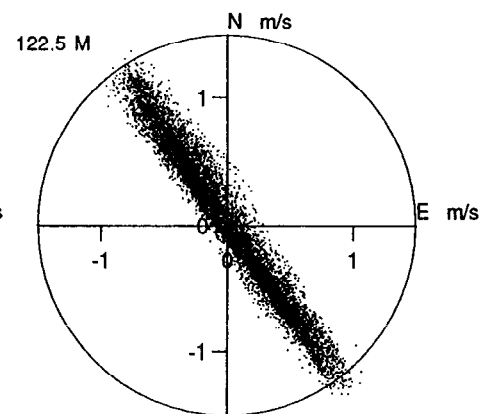
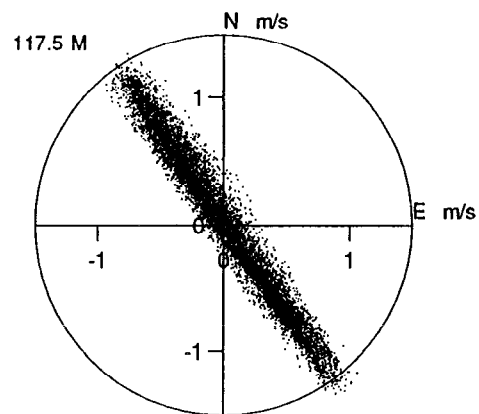
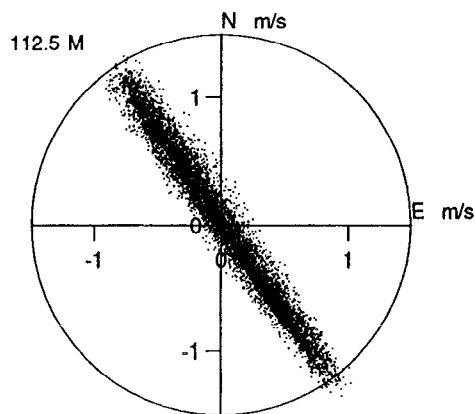


SCATTER PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

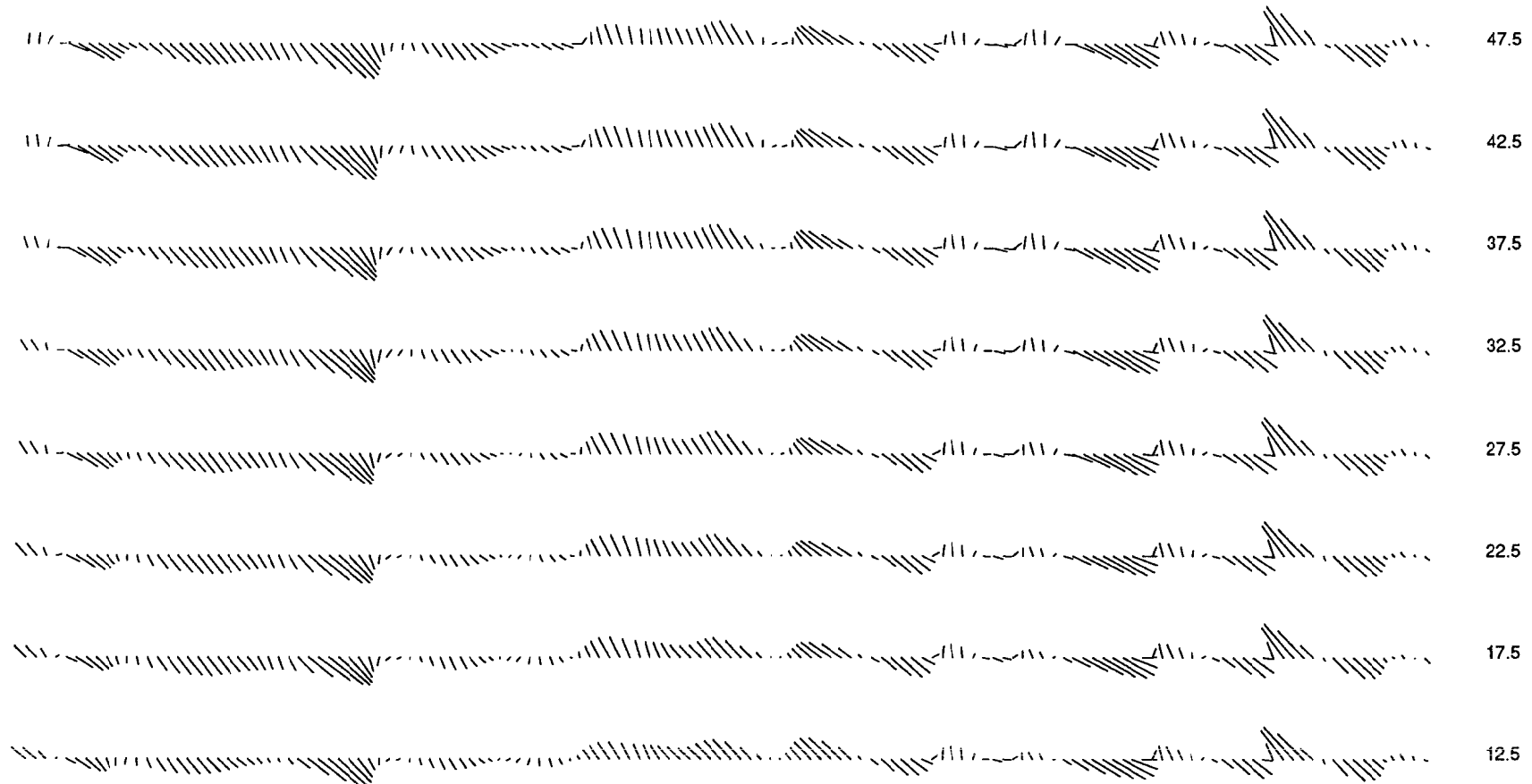
Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s



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

94 94
Aug Sep

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

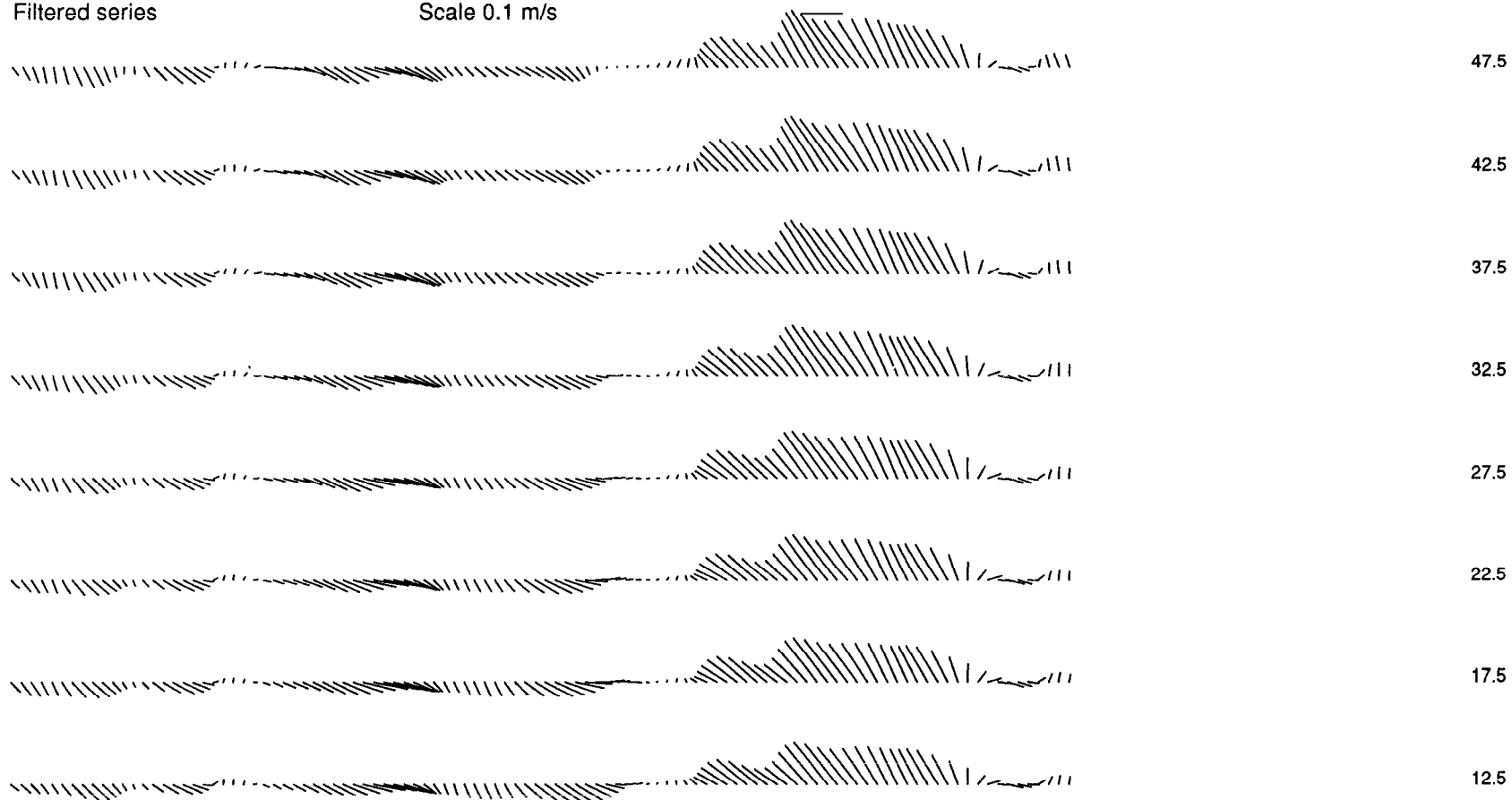
Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2
94 94 94
Sep Oct Nov

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

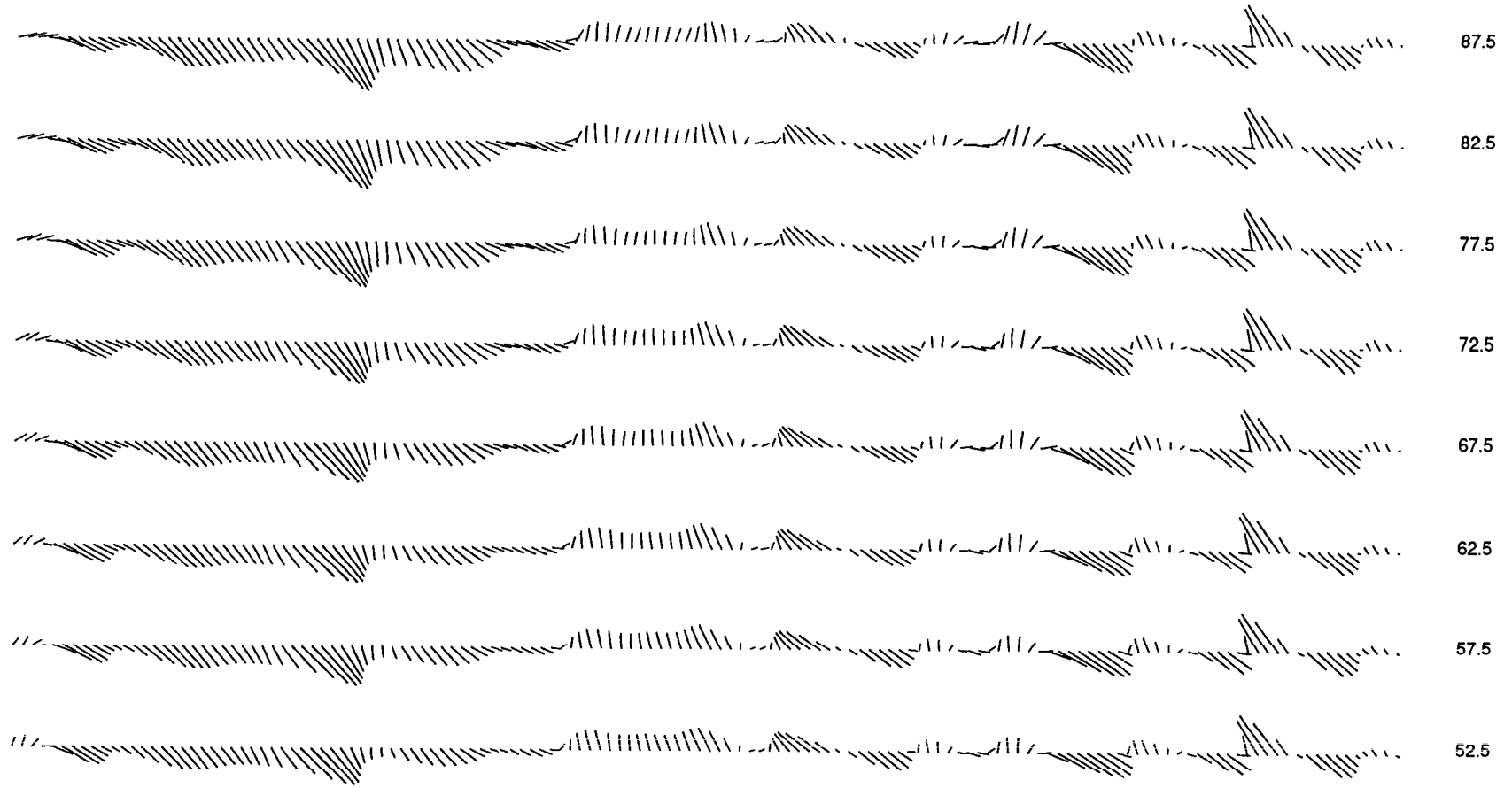
Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Bin Ht (m)

Filtered series

Scale 0.1 m/s

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

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Aug

Sep

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

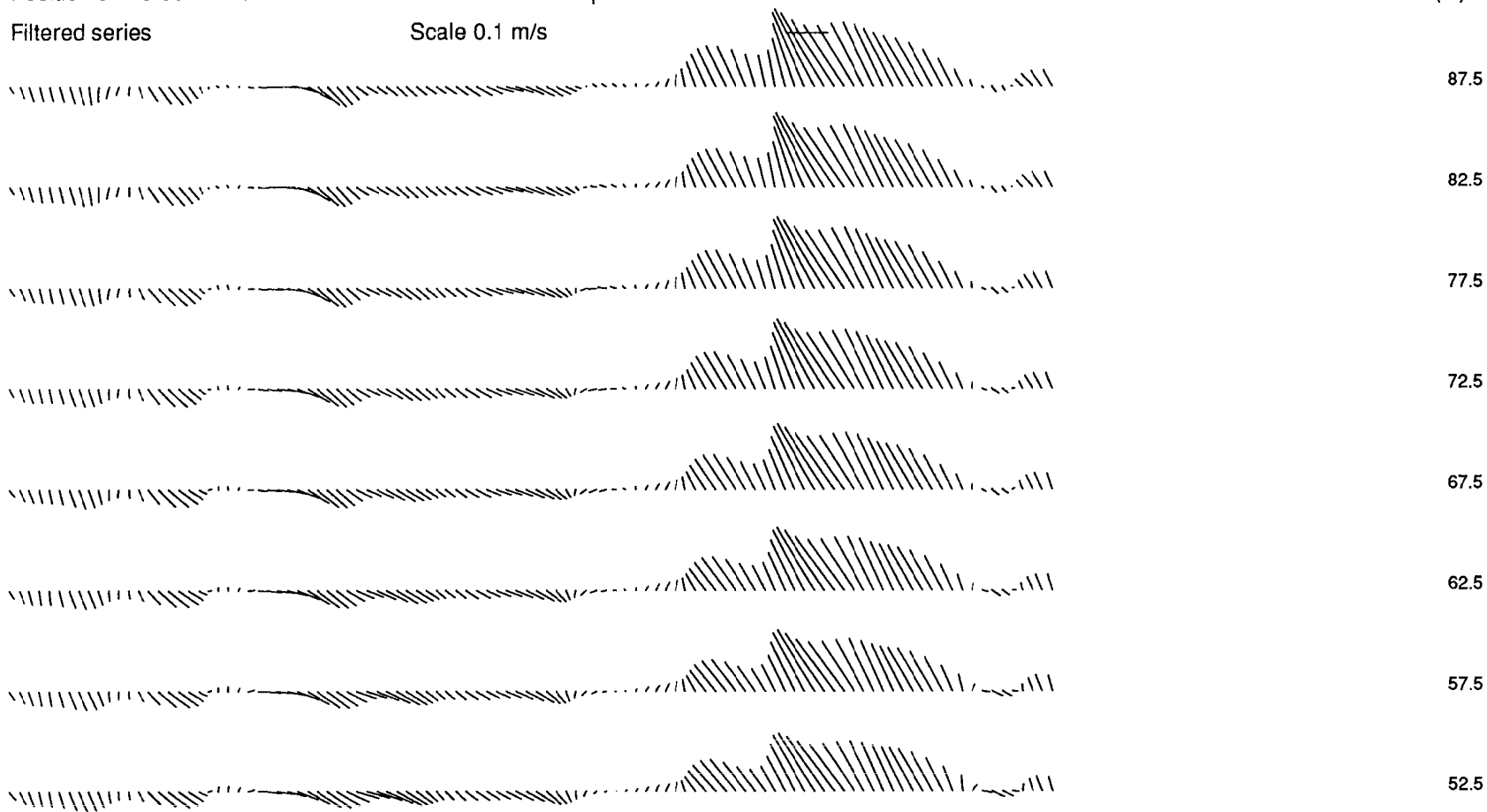
Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2
94 94 94
Sep Oct Nov

STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

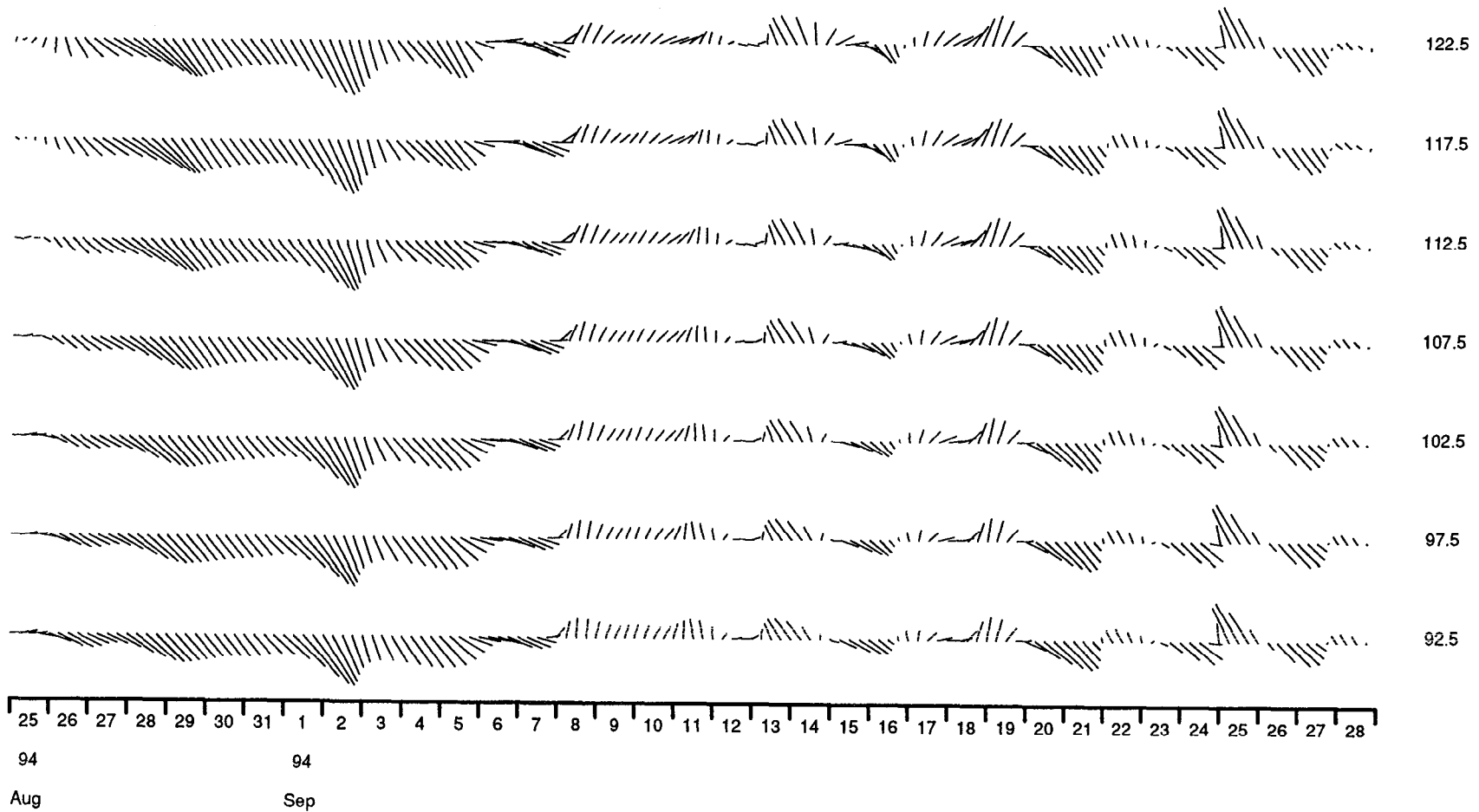
Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

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Bin Ht (m)



STICK TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

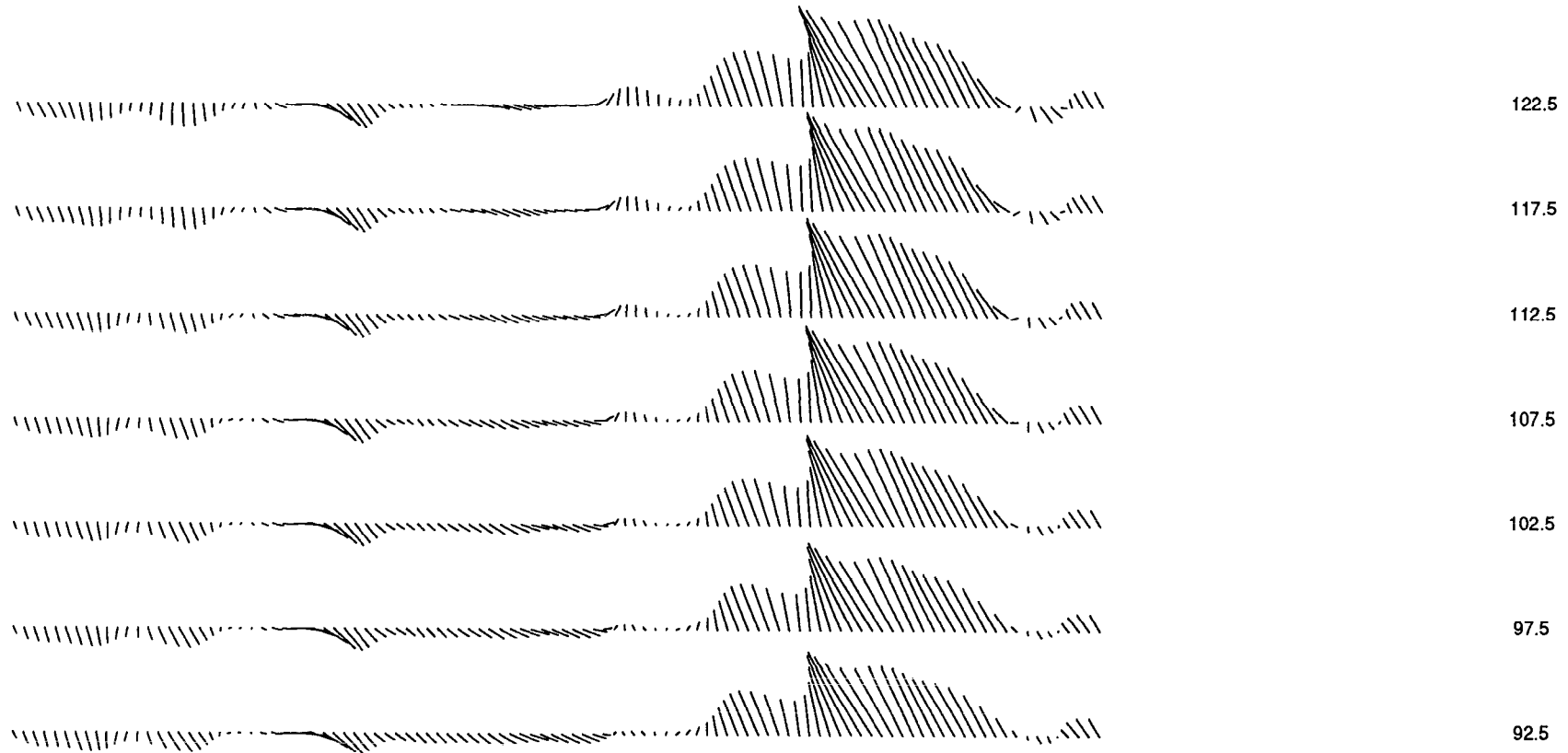
Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht

Filtered series

Scale 0.1 m/s

Bin Ht (m)



29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2
94 94 94
Sep Oct Nov

Statistics for bb1149.00633

Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.007	46.7	0.3014	-35.6	0.0090	54.4
2	17.5	0.008	65.4	0.3354	-34.5	0.0100	55.5
3	22.5	0.009	60.9	0.3562	-34.1	0.0090	55.9
4	27.5	0.009	60.1	0.3737	-33.9	0.0078	56.1
5	32.5	0.010	61.3	0.3890	-33.7	0.0067	56.3
6	37.5	0.011	60.3	0.4027	-33.6	0.0056	56.4
7	42.5	0.011	60.9	0.4144	-33.5	0.0047	56.5
8	47.5	0.011	62.2	0.4256	-33.5	0.0038	56.5
9	52.5	0.012	63.8	0.4358	-33.5	0.0032	56.5
10	57.5	0.013	64.7	0.4451	-33.5	0.0026	56.5
11	62.5	0.013	66.5	0.4539	-33.5	0.0022	56.5
12	67.5	0.014	67.0	0.4624	-33.6	0.0019	56.4
13	72.5	0.014	68.5	0.4706	-33.6	0.0017	56.4
14	77.5	0.015	69.9	0.4780	-33.7	0.0017	56.3
15	82.5	0.015	70.3	0.4867	-33.9	0.0017	56.1
16	87.5	0.016	71.0	0.4938	-34.0	0.0019	56.0
17	92.5	0.016	71.5	0.5008	-34.2	0.0021	55.8
18	97.5	0.017	71.7	0.5071	-34.3	0.0024	55.7
19	102.5	0.017	70.1	0.5124	-34.5	0.0028	55.5
20	107.5	0.016	69.0	0.5177	-34.6	0.0032	55.4
21	112.5	0.017	68.7	0.5208	-34.7	0.0036	55.3
22	117.5	0.016	68.1	0.5241	-34.9	0.0042	55.1
23	122.5	0.015	66.5	0.5276	-35.0	0.0049	55.0

Statistics for bb1149.00633

Filtered Statistics

For all good data bins

ADCP Bin Number	ADCP Bin Height	Vector Mean Speed	Vector Mean Direction	Maximum Variance	Direction of Maximum Variance	Minimum Variance	Direction of Minimum Variance
1	12.5	0.008	80.0	0.0024	-46.2	0.0001	43.8
2	17.5	0.010	88.0	0.0026	-45.9	0.0002	44.1
3	22.5	0.010	83.3	0.0027	-44.9	0.0002	45.1
4	27.5	0.011	81.5	0.0029	-43.7	0.0002	46.3
5	32.5	0.011	81.5	0.0030	-42.6	0.0002	47.4
6	37.5	0.011	79.5	0.0031	-41.6	0.0002	48.4
7	42.5	0.012	79.2	0.0032	-40.4	0.0001	49.6
8	47.5	0.012	80.2	0.0033	-39.2	0.0001	50.8
9	52.5	0.012	81.3	0.0034	-38.4	0.0001	51.6
10	57.5	0.013	81.4	0.0035	-37.9	0.0001	52.1
11	62.5	0.013	82.2	0.0037	-37.3	0.0002	52.7
12	67.5	0.014	82.1	0.0038	-36.7	0.0002	53.3
13	72.5	0.014	82.8	0.0039	-35.9	0.0002	54.1
14	77.5	0.015	83.3	0.0041	-34.8	0.0002	55.2
15	82.5	0.015	83.2	0.0044	-33.7	0.0002	56.3
16	87.5	0.016	83.2	0.0046	-33.2	0.0002	56.8
17	92.5	0.016	82.5	0.0048	-32.7	0.0002	57.3
18	97.5	0.017	81.6	0.0051	-32.0	0.0002	58.0
19	102.5	0.017	79.3	0.0053	-31.1	0.0003	58.9
20	107.5	0.016	77.5	0.0056	-30.6	0.0003	59.4
21	112.5	0.017	76.0	0.0057	-29.6	0.0003	60.4
22	117.5	0.016	75.0	0.0060	-28.9	0.0004	61.1
23	122.5	0.016	73.0	0.0064	-29.0	0.0004	61.0

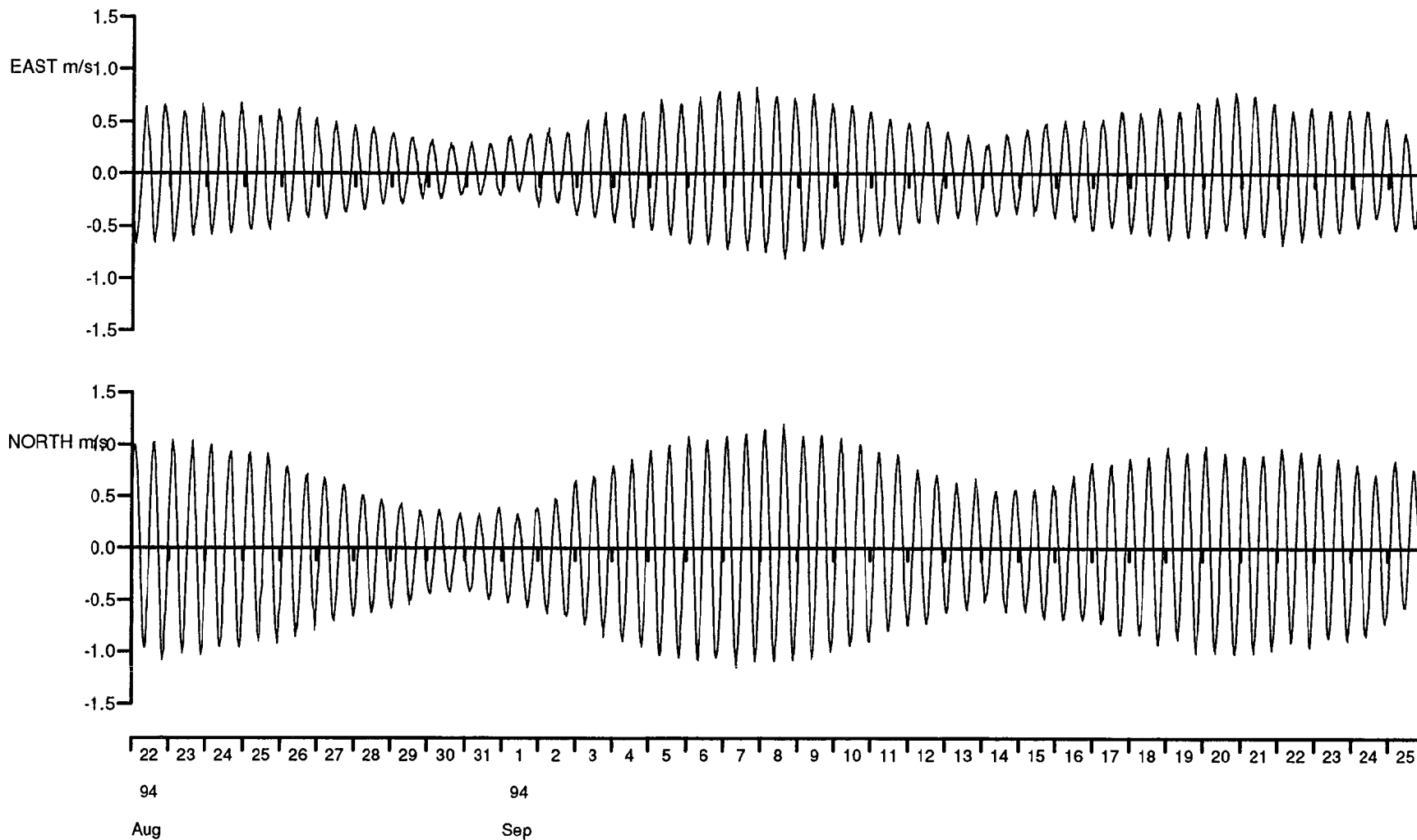
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



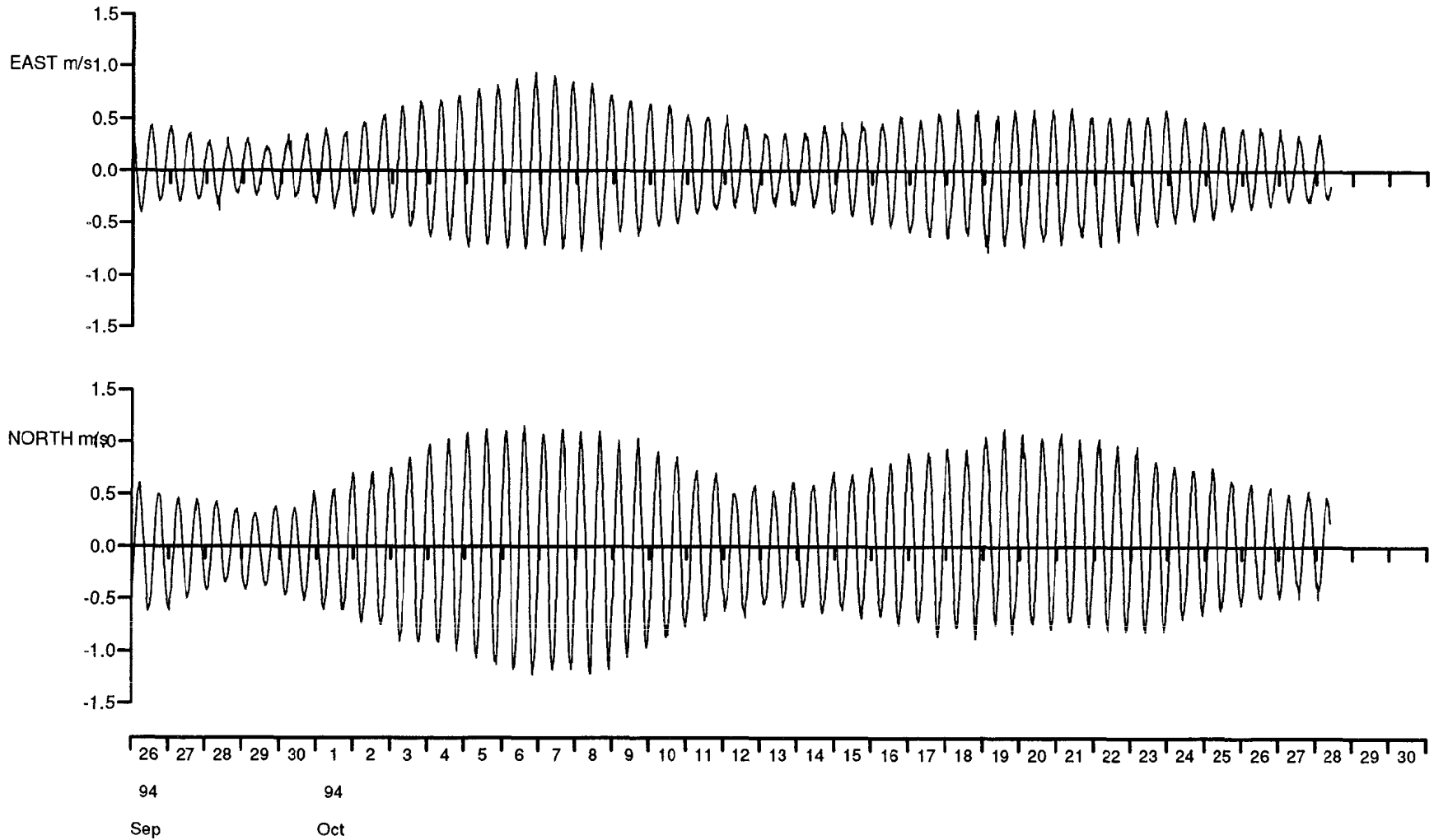
VELOCITY COMPONENT TIME SERIES PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



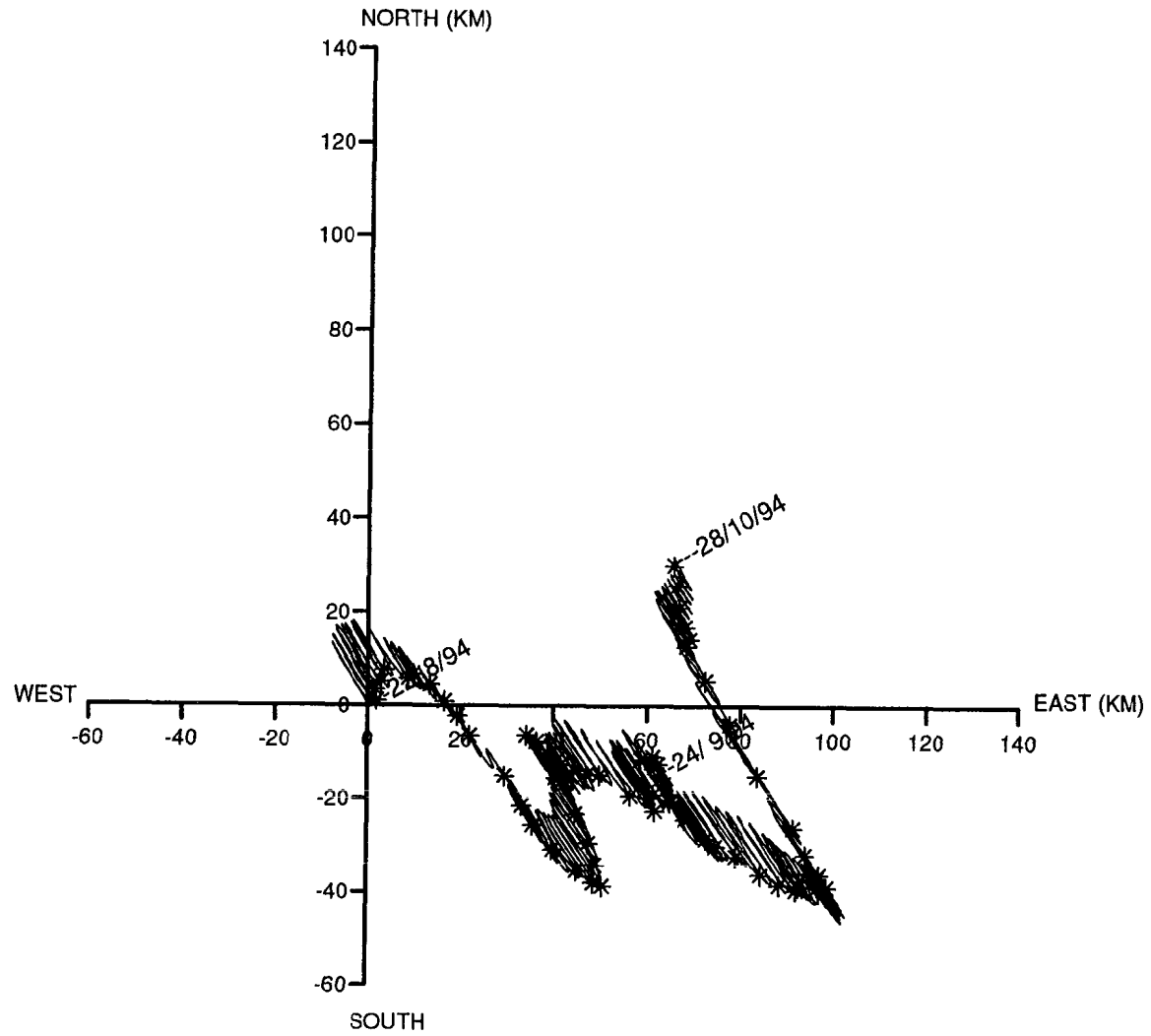
VECTOR PLOT

Meter no. 1149 Rig no. 00633 Depth of water(m) 147.0

Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00

Position 54 46.09N 05 23.73W 12.50 Base Ht 5.00 Gap Ht 57.5 Bin Ht (m)

Bin closest to depth average



Statistics for bb1149.00633s10

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0113	0.13730808E+00	0.37055102E+00
Northings	0.0054	0.31038600E+00	0.55712301E+00
Speed	0.5793	0.11226725E+00	0.33506307E+00
Vector mean speed	0.0125		
Vector Mean Direction	64.7		

Maximum ten values

Eastings					Northings				
0.938	0.909	0.904	0.894	0.887	1.198	1.175	1.174	1.155	1.149
0.878	0.873	0.869	0.860	0.858	1.139	1.138	1.130	1.128	1.124

Minimum ten values

Eastings					Northings				
-0.751	-0.752	-0.754	-0.766	-0.770	-1.172	-1.173	-1.174	-1.181	-1.185
-0.772	-0.772	-0.778	-0.787	-0.813	-1.186	-1.201	-1.213	-1.213	-1.224

Maximum speeds

1.480	1.477	1.474	1.473	1.458	1.453	1.450	1.450	1.446	1.445
1.443	1.437	1.433	1.431	1.429	1.429	1.429	1.428	1.427	1.426
1.426	1.418	1.412	1.411	1.405	1.400	1.397	1.395	1.394	1.391
1.391	1.391	1.389	1.385	1.381	1.379	1.378	1.377	1.377	1.375
1.374	1.373	1.372	1.370	1.368	1.368	1.365	1.364	1.364	1.363
1.359	1.359	1.359	1.354	1.352	1.352	1.352	1.352	1.348	1.348
1.346	1.345	1.343	1.342	1.342	1.342	1.342	1.342	1.341	1.339
1.339	1.338	1.338	1.334	1.334	1.333	1.333	1.333	1.332	1.332
1.330	1.329	1.328	1.327	1.323	1.321	1.320	1.319	1.318	1.318
1.317	1.317	1.315	1.315	1.314	1.313	1.312	1.312	1.311	1.310

Variance ellipse statistics

Maximum variance	0.4451E+00	Direction	-33.5
Minimum variance	0.2599E-02	Direction	56.5
Total variance	0.4477E+00	Ratio of variances	0.5839E-02
Average direction. maxdir -PI/2 to maxdir +PI/2			2.2
Average direction. maxdir +PI/2 to maxdir -PI/2			178.8

Statistics for bb1149.00633s10f

Doppler bin number 10

	Mean	Variance	Standard deviation
Eastings	0.0126	0.14246725E-02	0.37744835E-01
Northings	0.0019	0.22575916E-02	0.47514118E-01
Speed	0.0515	0.11867241E-02	0.34448862E-01
Vector mean speed	0.0127		
Vector Mean Direction	81.4		

Maximum ten values

Eastings					Northings				
0.089	0.088	0.087	0.087	0.080	0.152	0.145	0.143	0.130	0.130
0.079	0.079	0.073	0.072	0.071	0.129	0.126	0.123	0.122	0.121

Minimum ten values

Eastings					Northings				
-0.062	-0.063	-0.067	-0.070	-0.080	-0.055	-0.057	-0.060	-0.061	-0.063
-0.080	-0.088	-0.094	-0.096	-0.098	-0.076	-0.077	-0.088	-0.090	-0.094

Maximum speeds

0.178	0.174	0.166	0.161	0.151	0.147	0.147	0.144	0.137	0.136
0.129	0.128	0.126	0.125	0.125	0.123	0.117	0.115	0.113	0.110
0.107	0.104	0.100	0.098	0.097	0.096	0.096	0.095	0.094	0.094
0.093	0.089	0.088	0.084	0.084	0.083	0.083	0.082	0.080	0.077
0.077	0.077	0.075	0.074	0.074	0.073	0.072	0.071	0.071	0.070
0.069	0.069	0.069	0.069	0.069	0.068	0.067	0.067	0.067	0.066
0.066	0.065	0.065	0.065	0.065	0.064	0.064	0.064	0.063	0.063
0.063	0.063	0.061	0.061	0.061	0.061	0.060	0.060	0.060	0.059
0.059	0.059	0.058	0.057	0.057	0.056	0.056	0.056	0.055	0.055
0.055	0.054	0.054	0.054	0.053	0.053	0.051	0.051	0.051	0.050

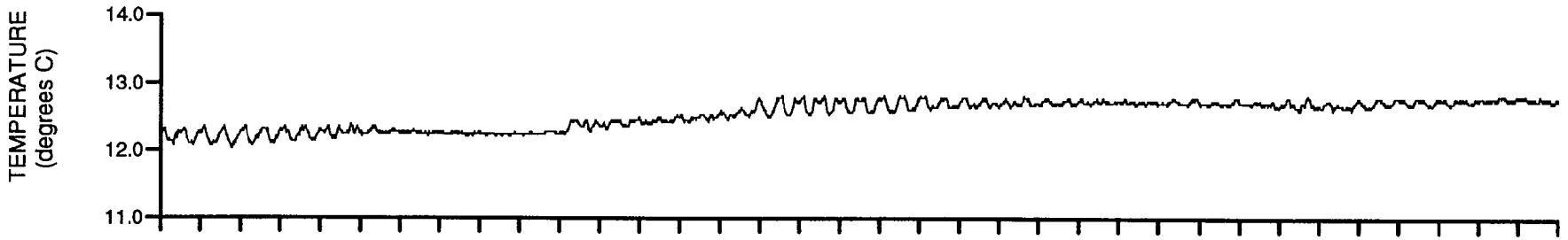
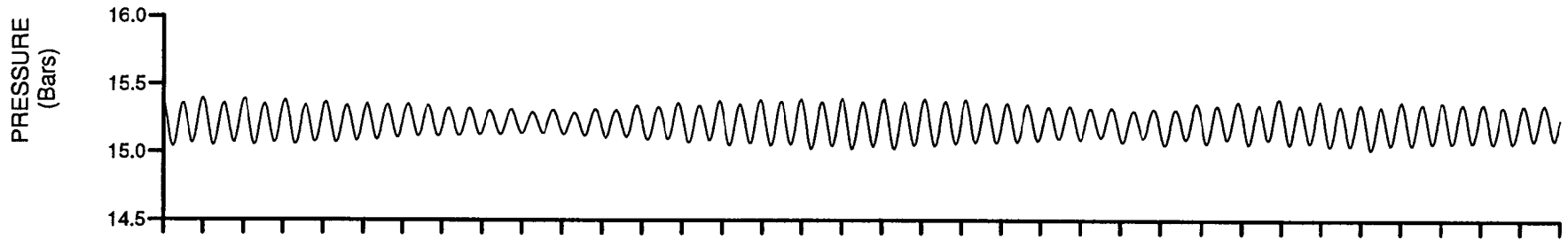
Variance ellipse statistics

Maximum variance	0.3537E-02	Direction	-37.9
Minimum variance	0.1451E-03	Direction	52.1
Total variance	0.3682E-02	Ratio of variances	0.4102E-01
Average direction. maxdir -PI/2 to maxdir +PI/2			22.0
Average direction. maxdir +PI/2 to maxdir -PI/2			163.6

Meter information details for 0444

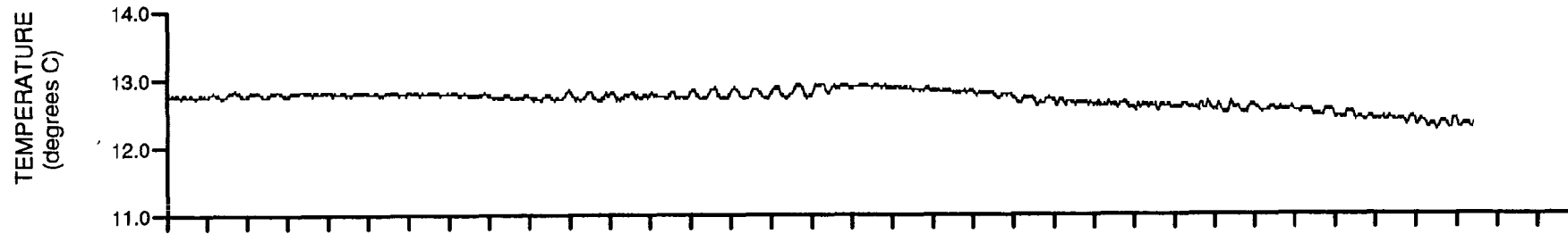
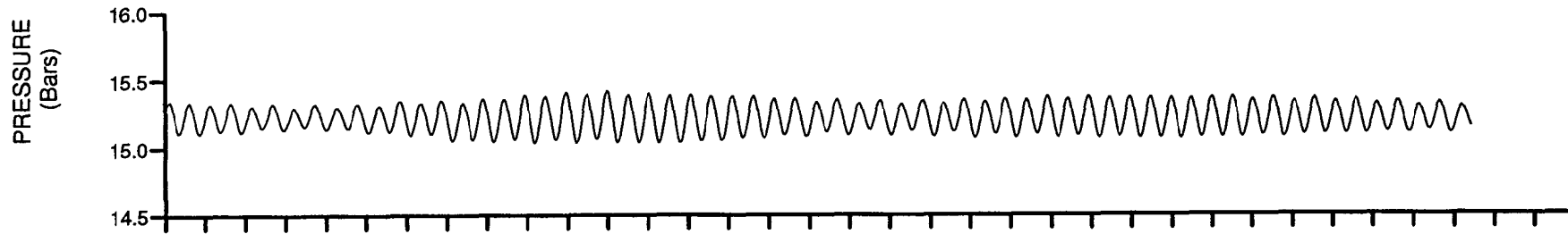
Rig No	:	00633
Meter No	:	0444
Recording interval	:	600.0 seconds
Meter height from bottom	:	0.5 m
Position of meter on rig	:	A
Meter type	:	WR
Meter started	:	21-AUG-94 14:30:00
Meter stopped	:	28-OCT-94 17:51:47
Period switched on	:	68.1 days
Period of good data	:	67.4 days
Total number of scans	:	9707
Timing error	:	107 seconds slow
Comments	:	Good record obtained

Meter no. 0444 Rig no. 00633 Depth of water(m) 147.0
Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00
Position 54 46.09N 05 23.73W Meter Height(m) 0.5



22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
94 94
Aug Sep

Meter no. 0444 Rig no. 00633 Depth of water(m) 147.0
Start/End 1994/08/22 AT 00:05:00 1994/10/28 AT 10:00:00
Position 54 46.09N 05 23.73W Meter Height(m) 0.5



26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
94 94
Sep Oct