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Currents and Temperature Data from Northwestern Baffin Bay, September 1983 - September 1984

C.K. Ross

Physical and Chemical Sciences
Scotia-Fundy Region
Department of Fisheries and Oceans

Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia
Canada B2Y 4A2

February 1990

Canadian Data Report of Hydrography and Ocean Sciences No. 78

Fisheries and Oceans Pêches et Océans

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Canadian Data Report Of Hydrography and Ocean Sciences

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Les établissements des Sciences et levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports en décembre 1981. Une liste complète de ces publications figure dans le volume 39, Index des publications 1982, du *Journal canadien des sciences halieutiques et aquatiques*. La série actuelle a commencé avec la publication du rapport numéro 1 en janvier 1982.

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CURRENTS AND TEMPERATURE DATA FROM NORTHWESTERN BAFFIN BAY, September 1983 - September 1984

by

C.K. Ross

Physical and Chemical Sciences
Scotia-Fundy Region
Department of Fisheries and Oceans

Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia
Canada B2Y 4A2

Cat. No. Fs 97-16/78E ISSN 0711-6721

Correct citation for this publication:

Ross, C.K. 1990. Currents and temperature data from northwestern Baffin Bay, September 1983 - September 1984. Can. Data Rep. Hydrogr. Ocean Sci. No. 78: viii + 227 pp.

ABSTRACT

Ross, C.K. 1990. Currents and temperature data from northwestern Baffin Bay, September 1983 - September 1984. Can. Data Rep. Hydrogr. Ocean Sci. No. 78: viii + 227 pp.

This report presents a statistical and graphical description of the moored current meter and satellite-tracked data collected during the period September 1983 to September 1984 in northwestern Baffin Bay.

The presentation for current meter data takes the form of means over the length of the record and monthly means, ranges and standard deviations; time series plots of the hourly data and low pass filtered data; progressive vector plots; tidal constituents and spectra of velocity components. The presentations for the satellite-tracked drifters are listings of twice daily positions and track plots of each drifter. Composite plots of all drifter tracks for twenty-day periods are presented.

RÉSUMÉ

Ross, C.K. 1990. Currents and temperature data from northwestern Baffin Bay, September 1983 - September 1984. Can. Data Rep. Hydrogr. Ocean Sci. No. 78: viii + 227 pp.

Le présent rapport expose, au moyen de statistiques et de graphiques, les données de courantomètre et de satellite recueillies entre septembre 1983 et septembre 1984 dans la partie nord-ouest de la baie Baffin.

Les données provenant des courantomètres sont présentées sous forme de moyennes sur la période considerée et de moyennnes, amplitudes et écarts-types mensuels; de tracés de séries chronologiques des données horaires et des données de filtrage passe-bas; de tracés vectoriels progressifs, ainsi que de composantes de la marée et de spectre des composantes de la vitesse. Les données de repérage des dériveurs par satellite sont exposées sous forme de deux positions par jour et de tracés du trajet de chaques dériveur. On présente aussi des tracés combinés du trajet de tous les dériveurs par période de vingt jours.

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INTRODUCTION

A program of year-long moored observations in Baffin Bay was started in the summer of 1983. The impetus for making these observations came from the expectation that hydrocarbons would be shipped out of the high Arctic in the near future. The Government of Canada set up the Northern Oil and Gas Action Program (NOGAP) to coordinate the government research in all areas affected by the exploitation of hydrocarbons in the Canadian Arctic.

Very few direct observations of currents have been reported for Baffin Bay. One exception to this is the work of the Eastern Arctic Marine Environmental Studies (EAMES) in which a number of moorings and drifters were deployed in eastern Lancaster Sound and adjacent regions (Fissel, 1982; Fissel *et al*, 1982; deLange Boom *et al*, 1982).

A first year program was designed to take advantage of existing cruise plans for the summer of 1983. Four satellite tracked drifting buoys were deployed in northern Baffin Bay during a cruise of the Marine Ecology Laboratory (MEL). Later in the summer, staff of the Ocean Circulation Division of the Atlantic Oceanographic Laboratory (AOL) joined the CSS Hudson in Thule Greenland. During a leg of cruise 83-023 that was jointly planned for experiments by the Chemical Oceanography Division of AOL and the Biological Oceanography Division of MEL, time was made available to deploy three current meter moorings on the shelf and slope of northeastern Baffin Island and one in northern Baffin Bay.

MOORINGS 1983–84

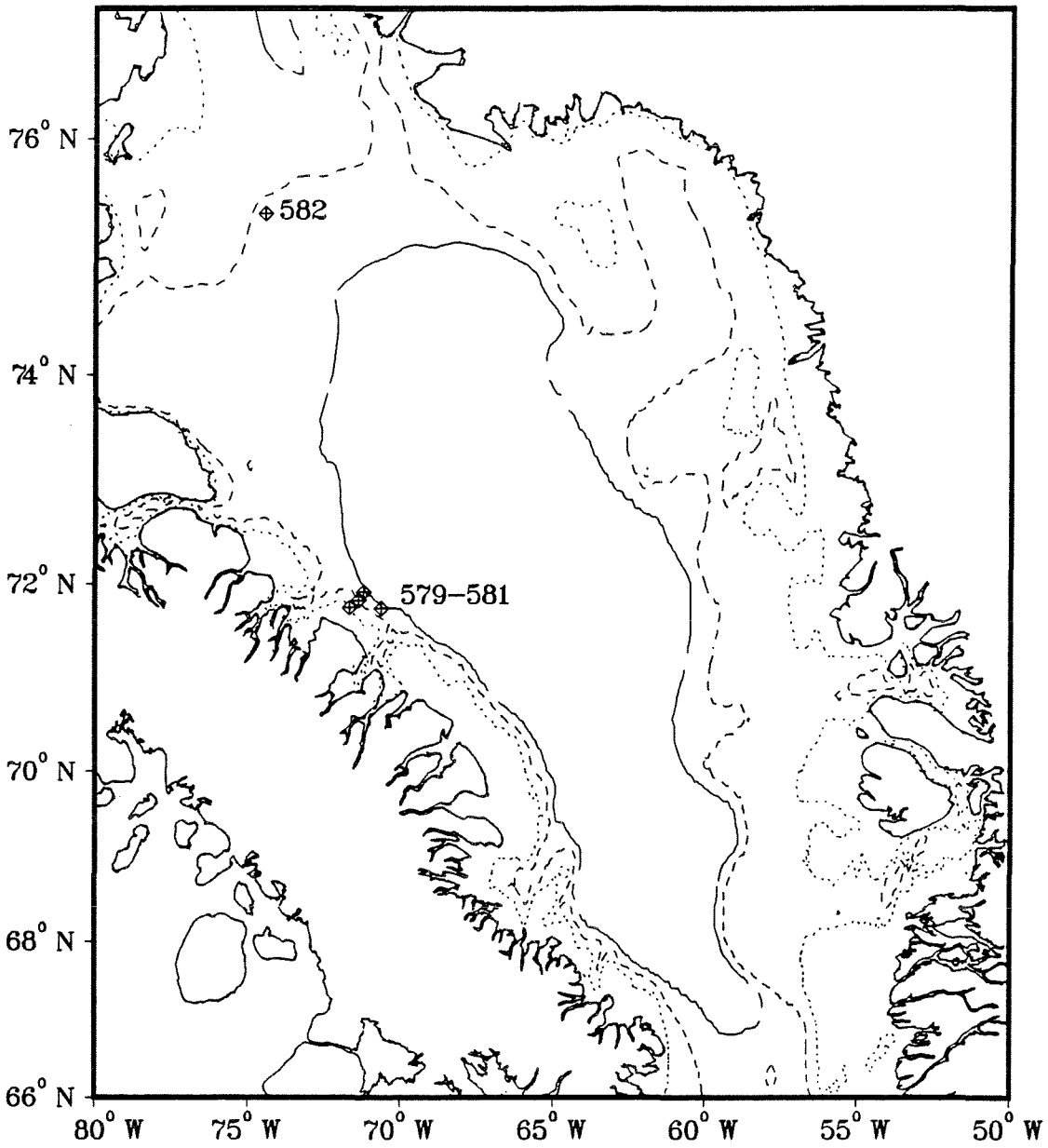

FIGURE I : Location of current meter moorings. Isobaths shown are 200, 500 and 1000 m.

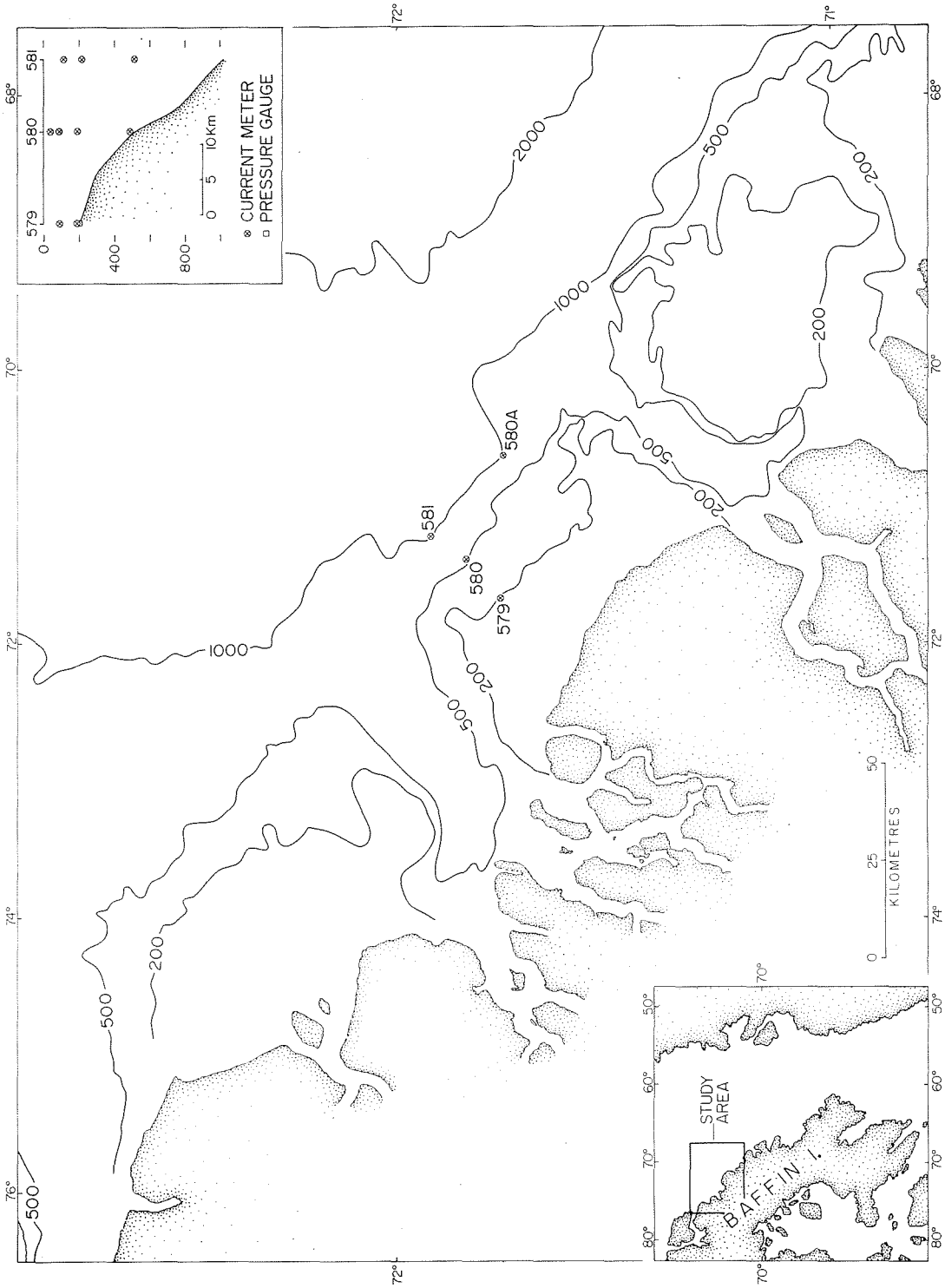

FIGURE II: Detail location of moorings 579 - 581.

The moorings were recovered in September 1984 during cruise 84-039 on board CSS Baffin. The locations of the moorings (consecutive numbers 579, 580, 580A, 581 and 582) are given in figure I with more detail of the Baffin Island slope moorings shown in figure II. A listing of mooring particulars is given in Table I and Table II. Mooring 580 was deployed on 5 September, 1983 in 487 m of water and recovered 27 km eastsoutheast of the deployment position in 928 m of water. It was apparent that an iceberg had passed by, making contact with the mooring on October 30. According to the data record the rotor of the upper current meter was broken off on this date. It was dragged along until on November 17 the mooring was dropped into its final resting place. The data records collected after this time are assigned to mooring 580A.

Moorings 579 and 582 were both successfully located using the transponding releases (EG&G model 723A). On the release command they both indicated successful release but would not rise to the surface. The moorings were left in place until the following year when they were recovered using the submersible PISCES (cruise 85-063) operated by the Institute of Ocean Sciences, Sidney, B.C. An hydraulic cutting mechanism was designed by G. Fowler of the Metrology Division of AOL and fitted to the exterior of the submersible. The two moorings were successfully recovered in September, 1985.

ARGOS drifting buoys with identifications 5410, 5411, 5412 and 5413 were released in eastern and northern Baffin Bay. Buoy 5410 drifted into Greenland coastal waters and was recovered and re-deployed by the Greenland Command. The track of the re-deployed buoy is assigned the identification of 5410A.

INSTRUMENTATION

The four moorings included 11 Aanderaa long-case RCM5's and one Aanderaa water level (i.e. pressure) gauge. The data from the water level gauge is reported elsewhere (Greisman *et al*, 1986). The current meters were of

TABLE I

SUMMARY OF MOORINGS

Mooring Number	Latitude (N)	Longitude (W)	Water Depth (m)	Instrument Depth (m)	Type	Sensors	Data Return (dd/mm/yy) Start	End
579	71 45.8	71 40.8	210	95	Aa-l	VT	05/09/83	06/11/84
				195	Aa-l	VT	05/09/83	20/06/84
580	71 50.2	71 23.1	487	22	Aa-l	VT	05/09/83	17/11/83[a]
				72	Aa-l	VT	05/09/83	17/11/83
				172	Aa-l	VT	05/09/83	17/11/83
				472	Aa-l	VT	05/09/83	17/11/83
580A	71 45.3	70 38.4	928	463	Aa-l	T	17/11/83	30/09/84
				513	Aa-l	VT	17/11/83	30/09/84
				613	Aa-l	VT	17/11/83	30/09/84[b]
				913	Aa-l	VT	17/11/83	30/09/84
581	71 55.2	71 13.8	981	81	Aa-l	VT	05/09/83	29/09/84
				181	Aa-l	VT	05/09/83	29/09/84
				481	Aa-l	VT	05/09/83	29/09/84[c]
582	75 23.7	74 27.1	500	285	Aa-l	VT	03/09/83	29/10/84
				485	Aa-l	VT	03/09/83	31/10/84

Notes
[a] no speed after 30/10/83
[b] 13 speed values removed
[c] 155 speed values removed
Aa-l Aanderaa RCM5 with long case
V velocity measurement
T temperature measurement

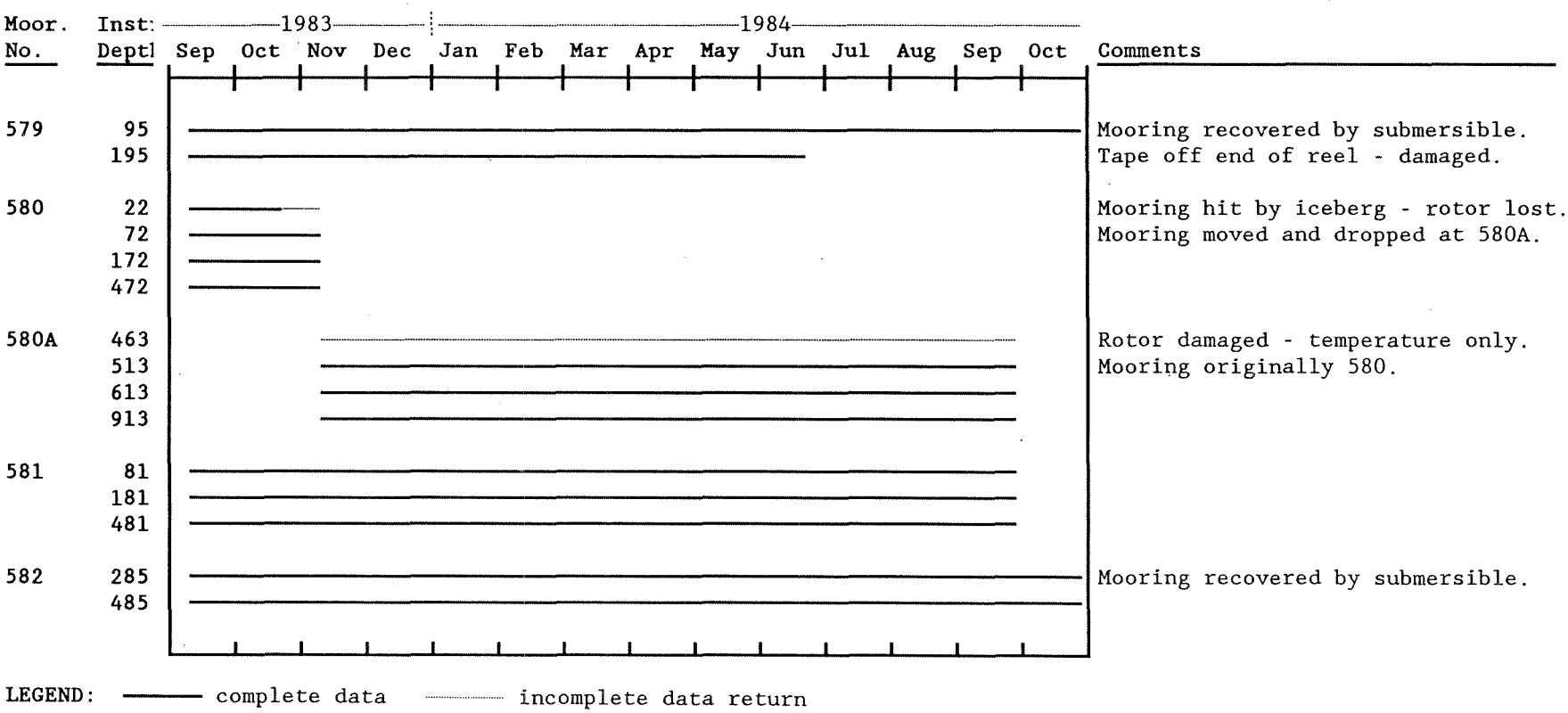

TABLE II: Instrument performance and data return.

the long-case design to move the instrument's compass away from the encoder. This is expected to improve direction reliability in this area where the earth's horizontal component of the magnetic field is weak (Keenan, 1979). Each instrument was equipped with current speed sensors, current direction, temperature and pressure sensors. Data were recorded at hourly intervals.

The manufacturer quotes accuracies for this instrument as: time within ± 2 s/d; temperature $\pm 0.15^{\circ}$C with a response time of 12 s; current speed $\pm .01$ m/s with a threshold of .015 m/s; and current direction $\pm 5^{\circ}$ for speeds above .05 m/s and tilt less than 12° from horizontal. The compass of each instrument was calibrated after recovery. CTP stations were occupied in the vicinity on deployment and recovery to verify the calibration of the temperature sensors.

The ARGOS buoys were manufactured by Hermes Electonics of Dartmouth, N.S. and are a modification of the FGGE drifting buoys. Each buoy included a temperature sensor in the hull. The temperature sensor is more accurate than our knowledge of what it is measuring. The temperature data are not presented in this report but are available from the author. Each buoy was fitted with a window-shade drogue centred at 35 m depth. There was no sensor to indicate if the drogues remained intact.

DATA PROCESSING

The data recorded by the Aanderaa instruments were translated to computer readable files. The direction data are corrected by applying the calibration data from the compass swing and also corrected for the local magnetic variation as given on navigational charts for the area. The current speed is computed by applying a linear relationship to the encoder value according to the data supplied by the manufacturer. The current velocity is determined by taking the direction as the arithmetic mean of the direction data at the beginning and end of the speed integration period. The average speed/direction is then time-stamped at

the mid-point of the cycle. Temperature is computed by applying a cubic polynomial fitted to the results of a temperature bath calibration. Pressure uses a linear relationship.

The recovered data required almost no editing. A few obviously erroneous data values were manually removed from the records.

The data from the drifting buoys were received from Service ARGOS. These data were examined and any obviously erroneous data were removed. The data were transformed into an equi-spaced time series by averaging all data received in each of the twelve hour periods from 0000 to 1200 UTC and 1200 to 2400 UTC. The time of observation was assigned the mid-point of the period of averaging, regardless of when the positional data were determined.

DATA PRESENTATION

Each time series from the moored current meters is presented either in its raw hourly form or as a low pass filtered time series. The filter used was a Cartwright filter with 129 weights that passes more than 95% of the input power for periods longer than 40 h, 50% at 31 h and less than 1% for periods shorter than 24 h. The resulting low pass time series are subsampled every 6 h.

A table of statistics and information on the location and times of deployment is given for each record. Statistics for each complete record include the number of observations for each sensor and the minimum, maximum, mean and standard deviation for each of pressure, temperature and speed as well as the current velocity in components to the northeast and southeast. These coordinates were chosen because the majority of instruments showed a mean current to the southeast on the Baffin Island slope and to the southwest in northern Baffin Bay. A listing of the mean and standard deviation of temperature, speed and the northeast/southeast

components of current velocity are given for each calendar month.

Time series plots of hourly values of direction, speed, north and east components of current velocity and temperature are presented for each record. Each record requires several pages as only 60 d of data are presented on each page. The hourly current data are used to form a progressive vector diagram with symbols every 10 d and labels every 60 d.

The low pass data are presented as a single page of the complete record of speed, northeast and southeast components of velocity, temperature and a stick diagram of velocities. For extra resolution the time axis is expanded to re-draw the stick diagrams with 60 d of data in each panel.

A table of the major tidal constituents (K_1, O_1, M_2, S_2, N_2, M_f, M_4, MS_4) is given for each current record. These constituents are determined from the maximum possible length of record.

Spectra are presented for the northeast and southeast components of velocity in two forms: log-log presentation of spectral power versus frequency and log-linear presentation of frequency times spectral power versus frequency (i.e. energy preserving display). The spectra are computed by using a fast Fourier transform on blocks of data (1024 h) that have had their mean and trend removed, averaging over variable (approximation to logarithmic) frequency space and averaging the estimates from each block. The standard error associated with the block to block variability of each spectral estimate is used to give the error estimate shown on each spectral estimate.

Each record for an ARGOS drifter has a table of the twelve-hourly positions of the buoy. A plot of the buoy's position relative to bathymetric contours is given with a symbol plotted at 2 d intervals. Following the data for the five individual records a chart of Baffin Bay is prepared for 20 d periods and the tracks of all buoys are shown.

Throughout, an attempt has been made to minimize the number of scales used for each presentation so that comparison from record to record may be made.

ACKNOWLEDGEMENTS

I would like to express my gratitude to the many individuals who helped to gather, process and present these data. In particular the personnel of the ships CSS Hudson and CSS Baffin, the technical support of the Ocean Circulation Division and Coastal Oceanography Division of the Atlantic Oceanographic Laboratory, J.R.N. Lazier and D.N. Gregory for their useful comments, the Greenland Command and Dr. T. Platt and Dr. P. Jones for accommodating my late request for shiptime in 1983. Fully half of the current meter data would not have been available without the efforts of Mr. G. Fowler to design equipment for the PISCES submersible and to go down and retrieve the moorings.

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Mooring 579
Depth 95 m

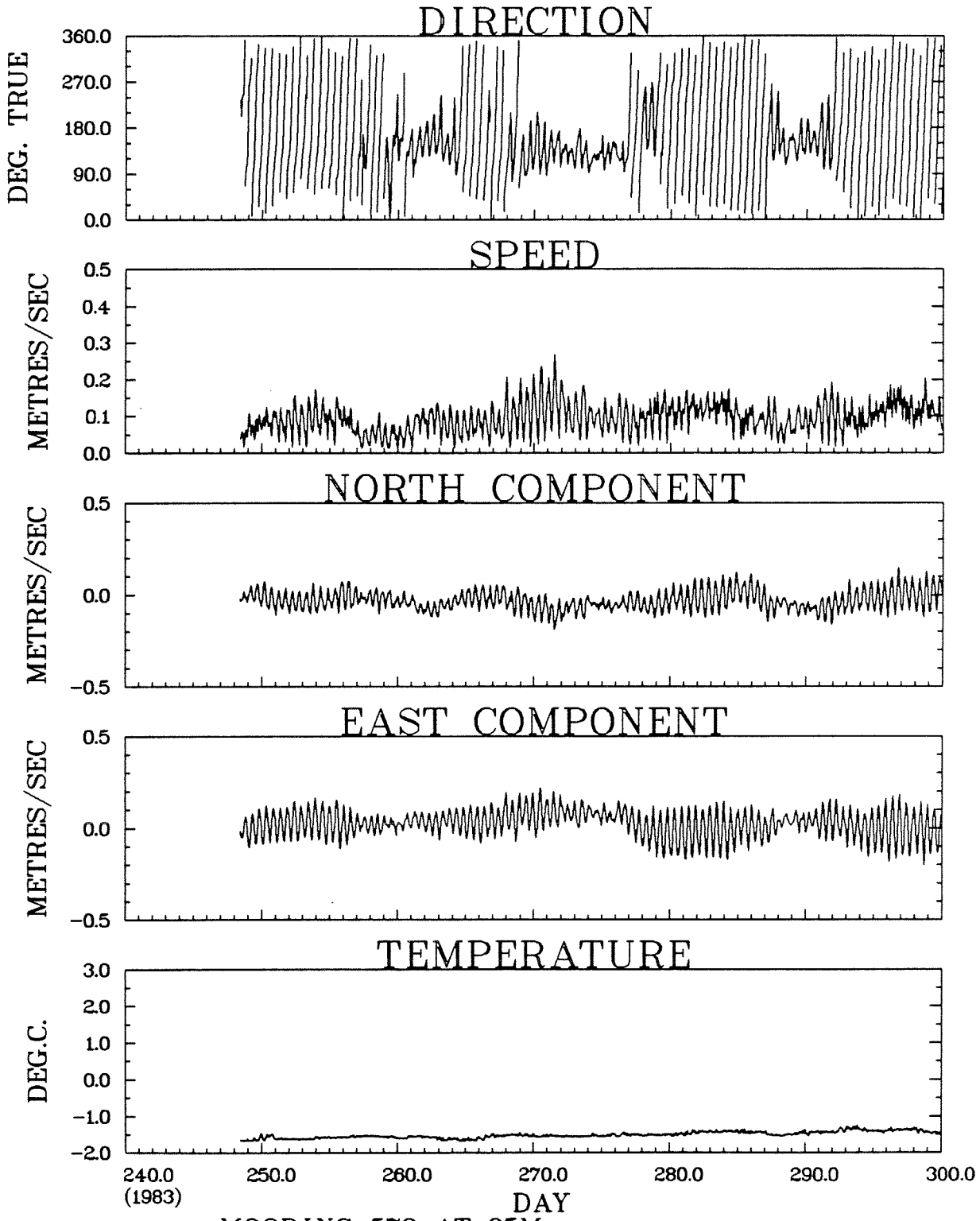
Latitude	71° 45.8N	Deployment	1021Z 5 Sept., 1983
Longitude	71° 40.8W	Recovery	28 Sept., 1985 (submersible)
Water Depth	210 m	Duration	754 d

RECORD LENGTH STATISTICS

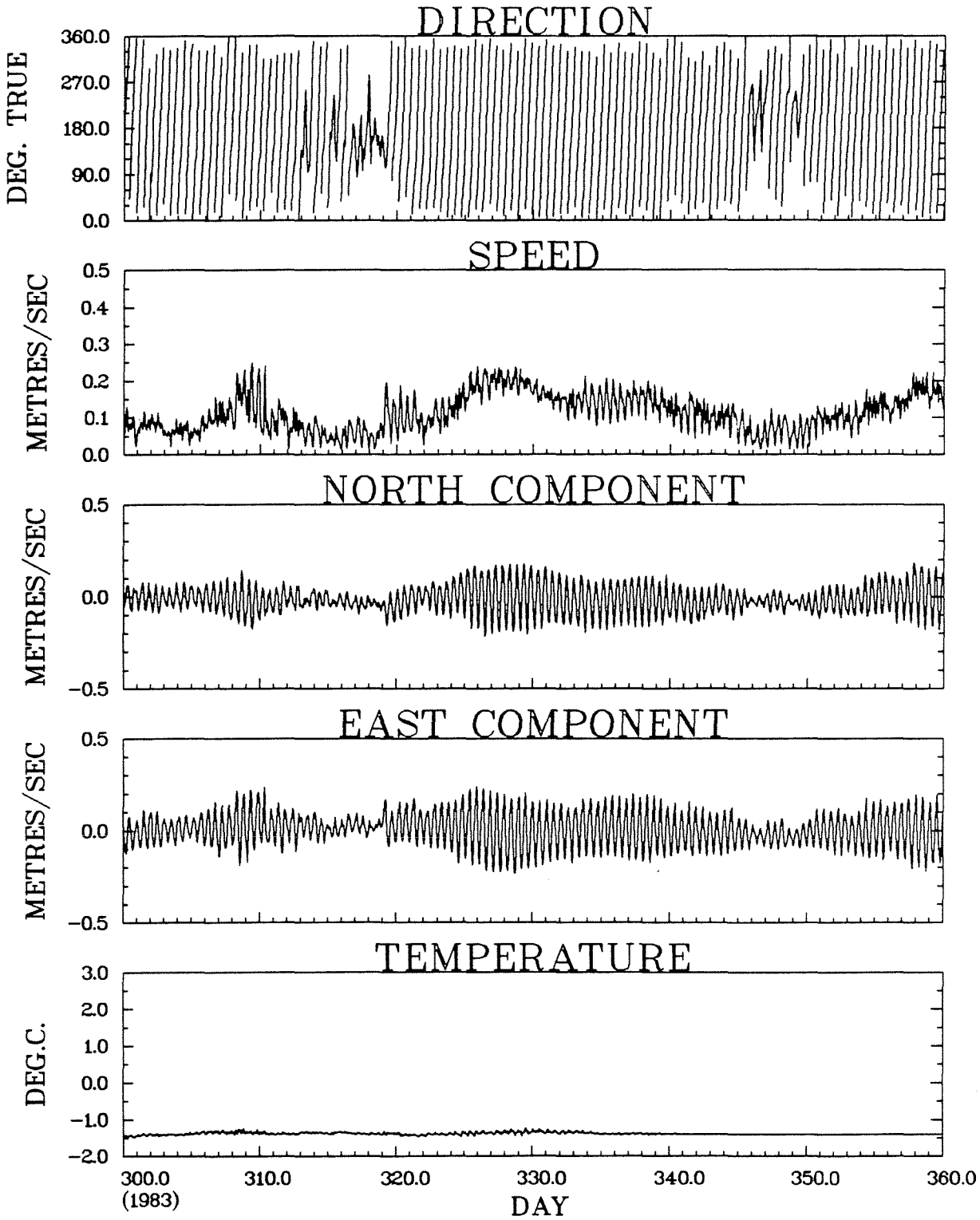
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	10265	96	101	98	0.6
Temperature (T)	°C	10265	-1.78	-0.20	-1.49	0.16
Speed (R)	ms^{-1}	10265	0.015	0.468	0.098	0.049
Northeast Component (V)	ms^{-1}	10265	-.282	0.262	-.006	0.067
Southeast Component (U)	ms^{-1}	10265	-.216	0.440	0.024	0.082

MONTHLY MEANS

	Samples	T	R	V	U
September	614	-1.57±0.05	0.086±.044	0.002±.049	0.053±.064
October	744	-1.44±0.06	0.098±.035	-.013±.064	0.021±.078
November	720	-1.37±0.04	0.118±.057	0.002±.086	0.023±.097
December	744	-1.40±0.01	0.115±.044	-.016±.086	0.014±.086
January	744	-1.45±0.05	0.109±.043	-.016±.082	-.005±.082
February	696	-1.47±0.03	0.088±.044	-.017±.065	-.001±.072
March	744	-1.58±0.06	0.090±.040	-.014±.069	0.013±.068
April	720	-1.60±0.07	0.081±.033	0.001±.059	-.007±.064
May	744	-1.68±0.07	0.092±.033	-.002±.063	-.016±.073
June	720	-1.65±0.06	0.079±.027	0.000±.056	-.001±.062
July	744	-1.62±0.04	0.084±.037	-.011±.055	0.022±.069
August	744	-1.53±0.07	0.103±.057	-.010±.057	0.067±.078
September	720	-1.40±0.12	0.113±.066	0.000±.068	0.078±.081
October	744	-1.19±0.20	0.117±.070	0.010±.066	0.076±.090



MOORING 579 AT 95M
NORTHWEST BAFFIN BAY 1983/4



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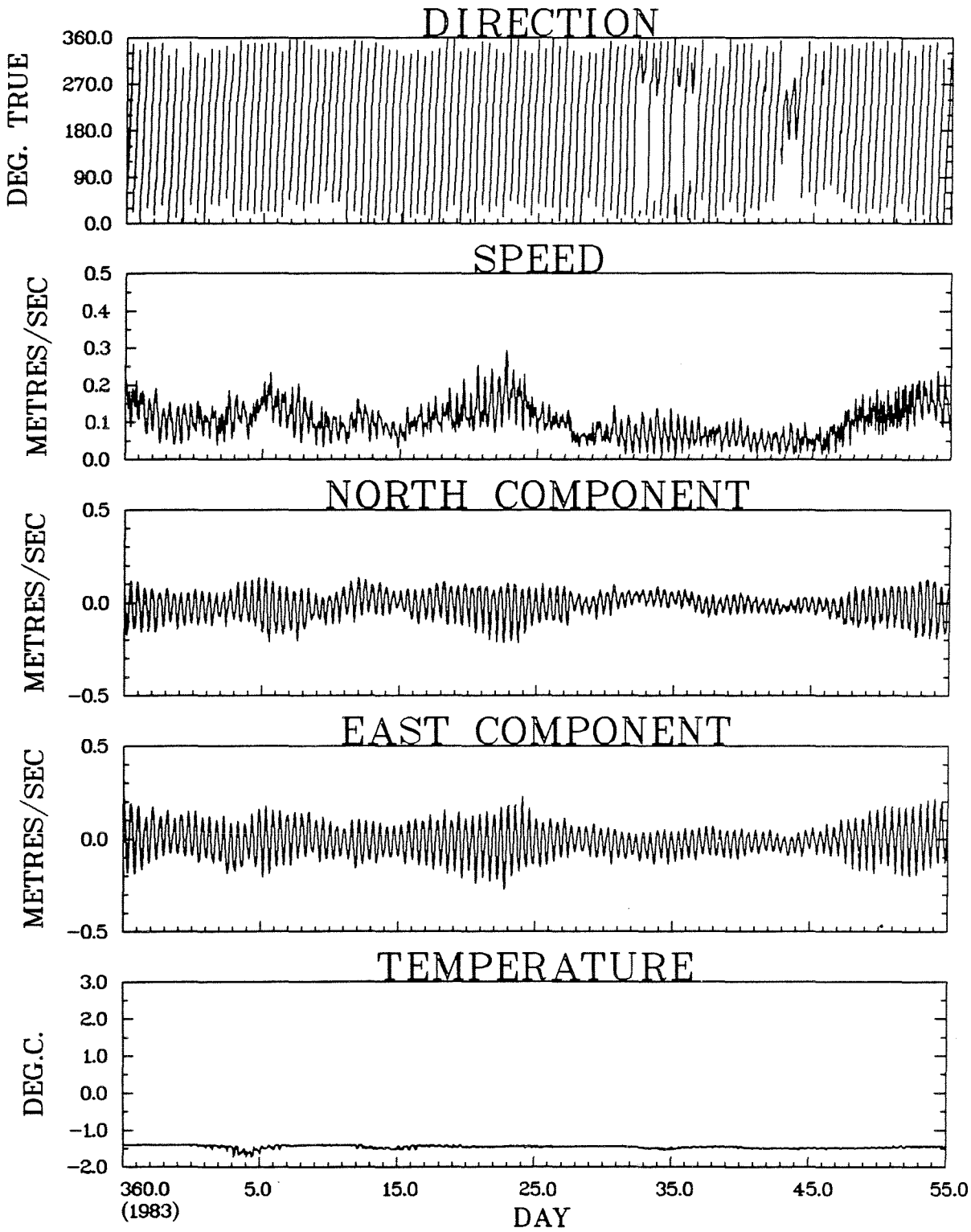

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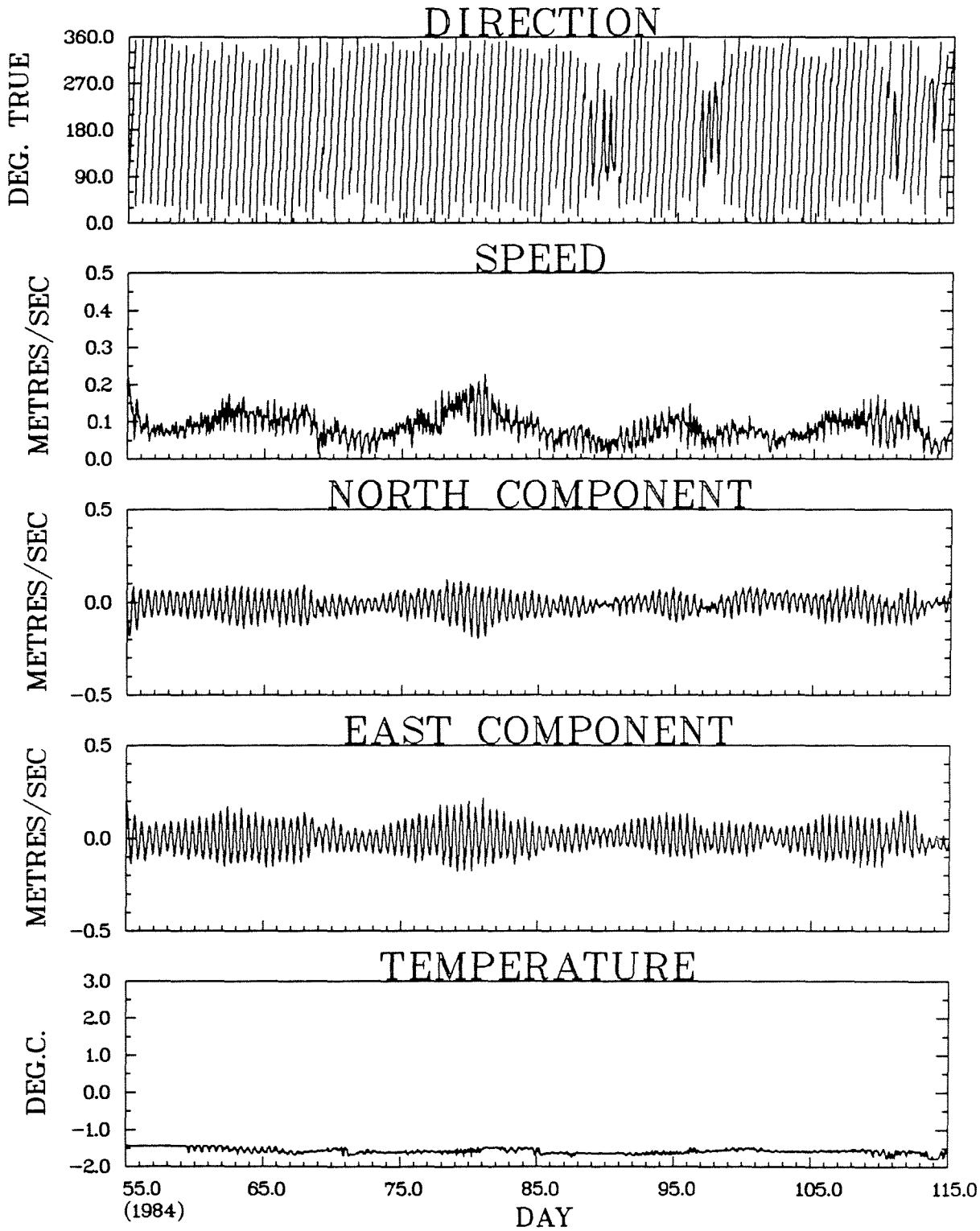

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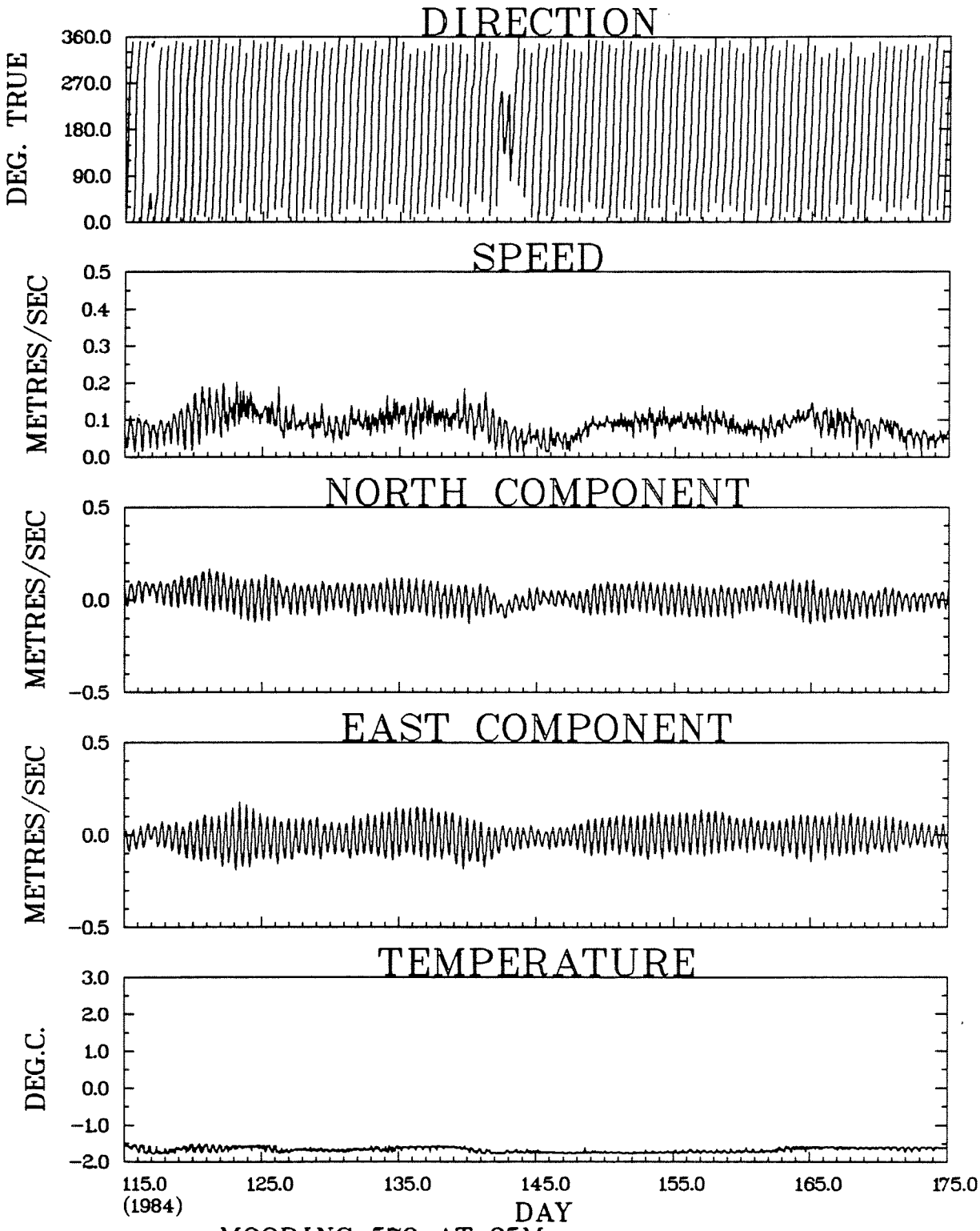

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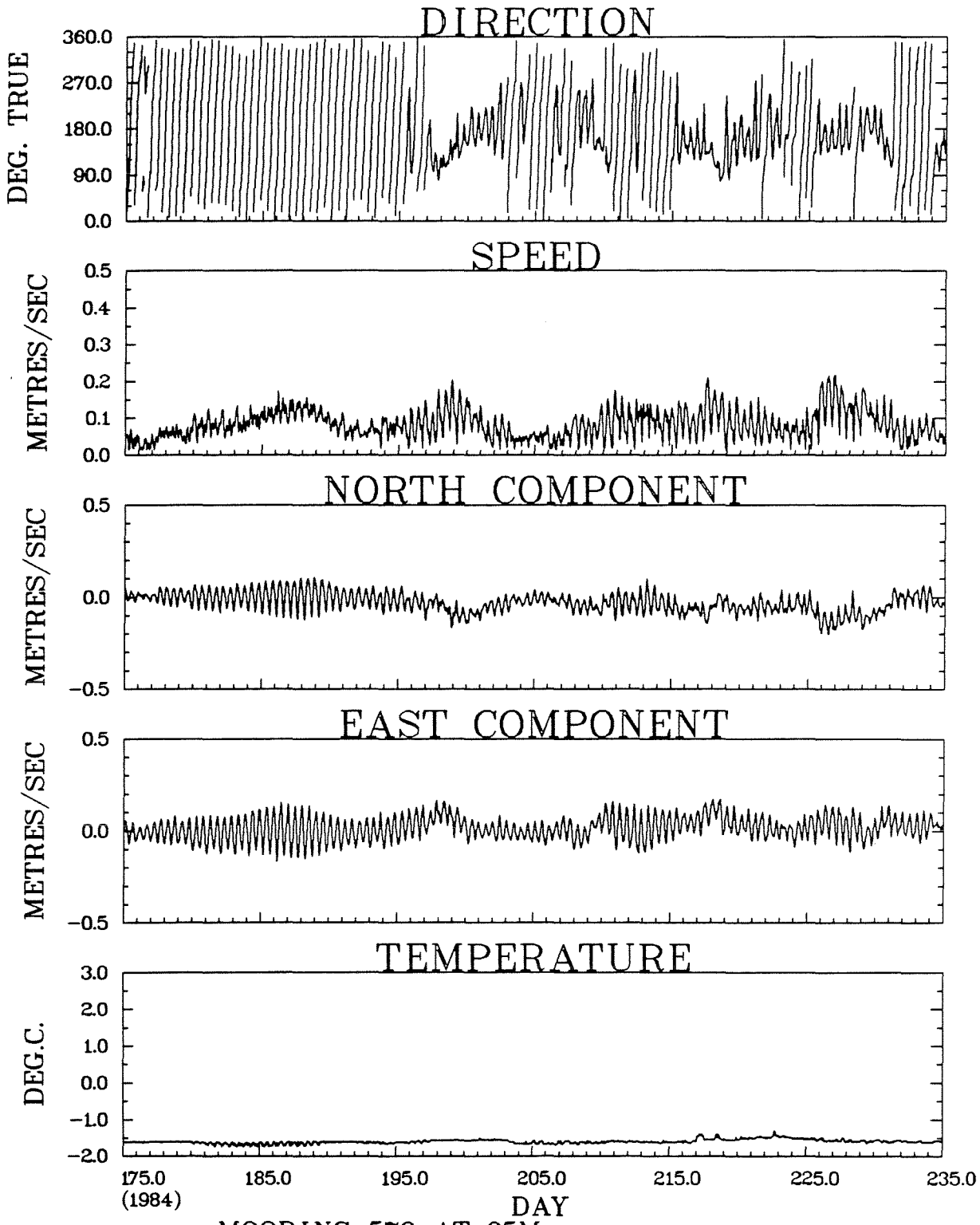

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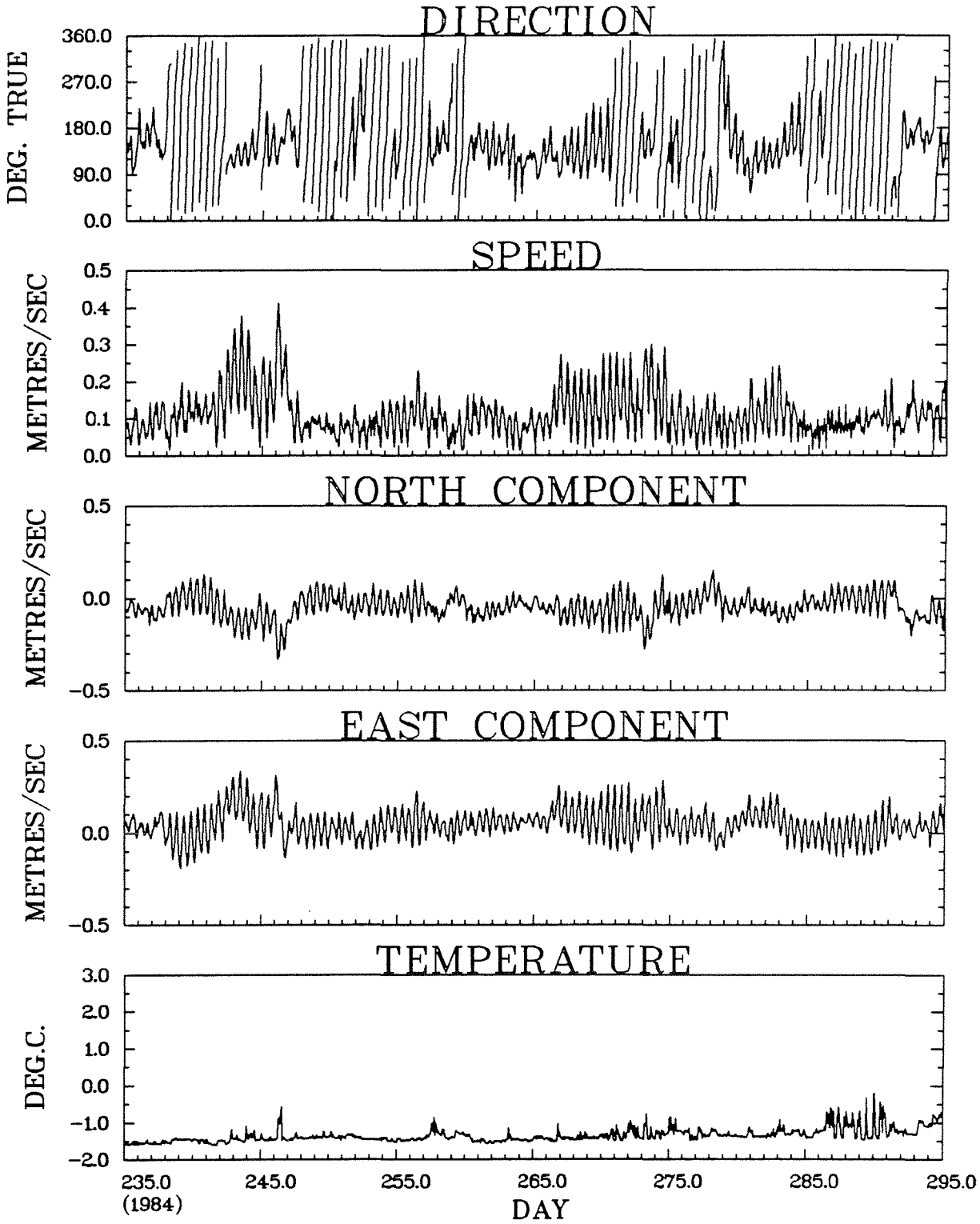

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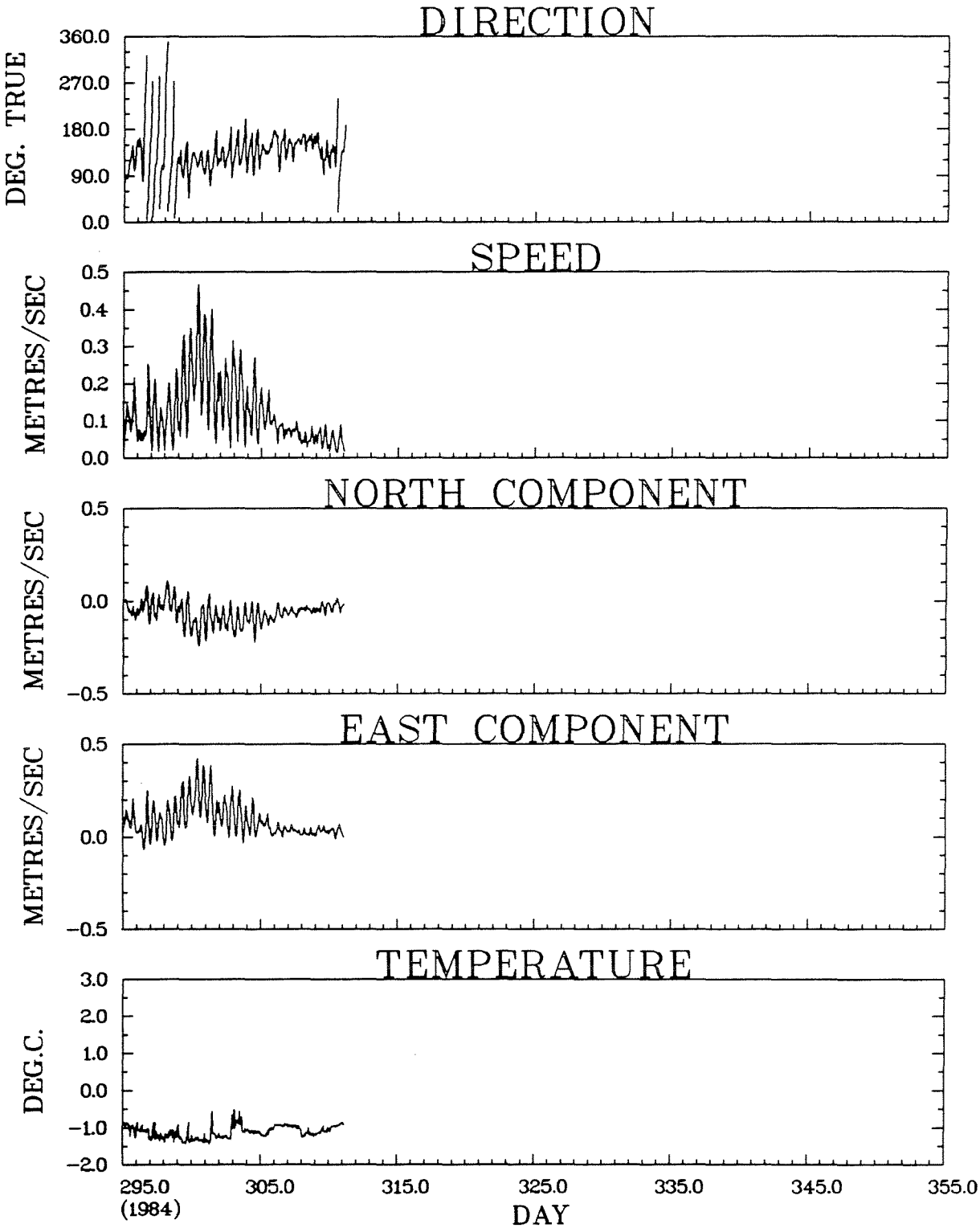

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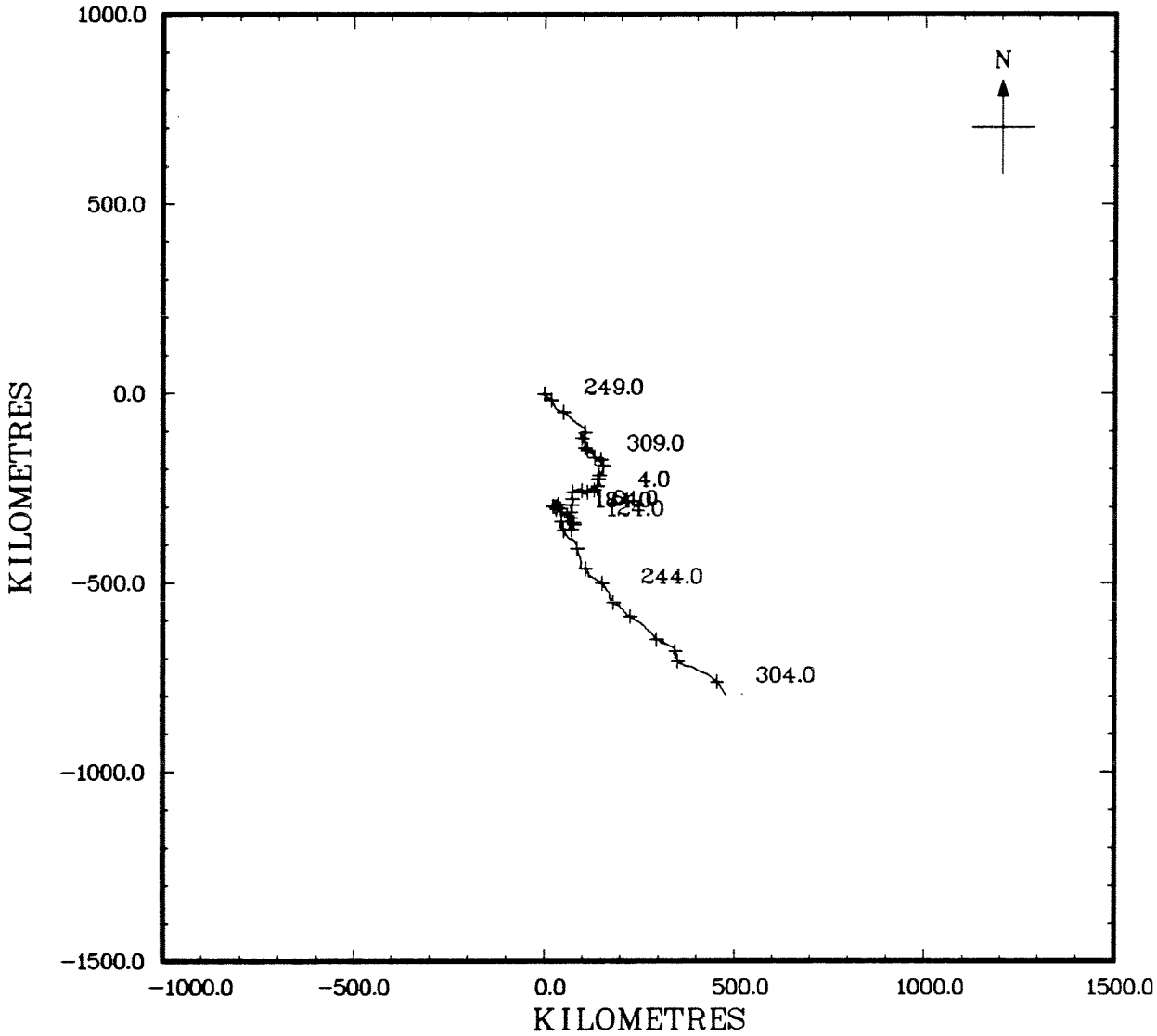

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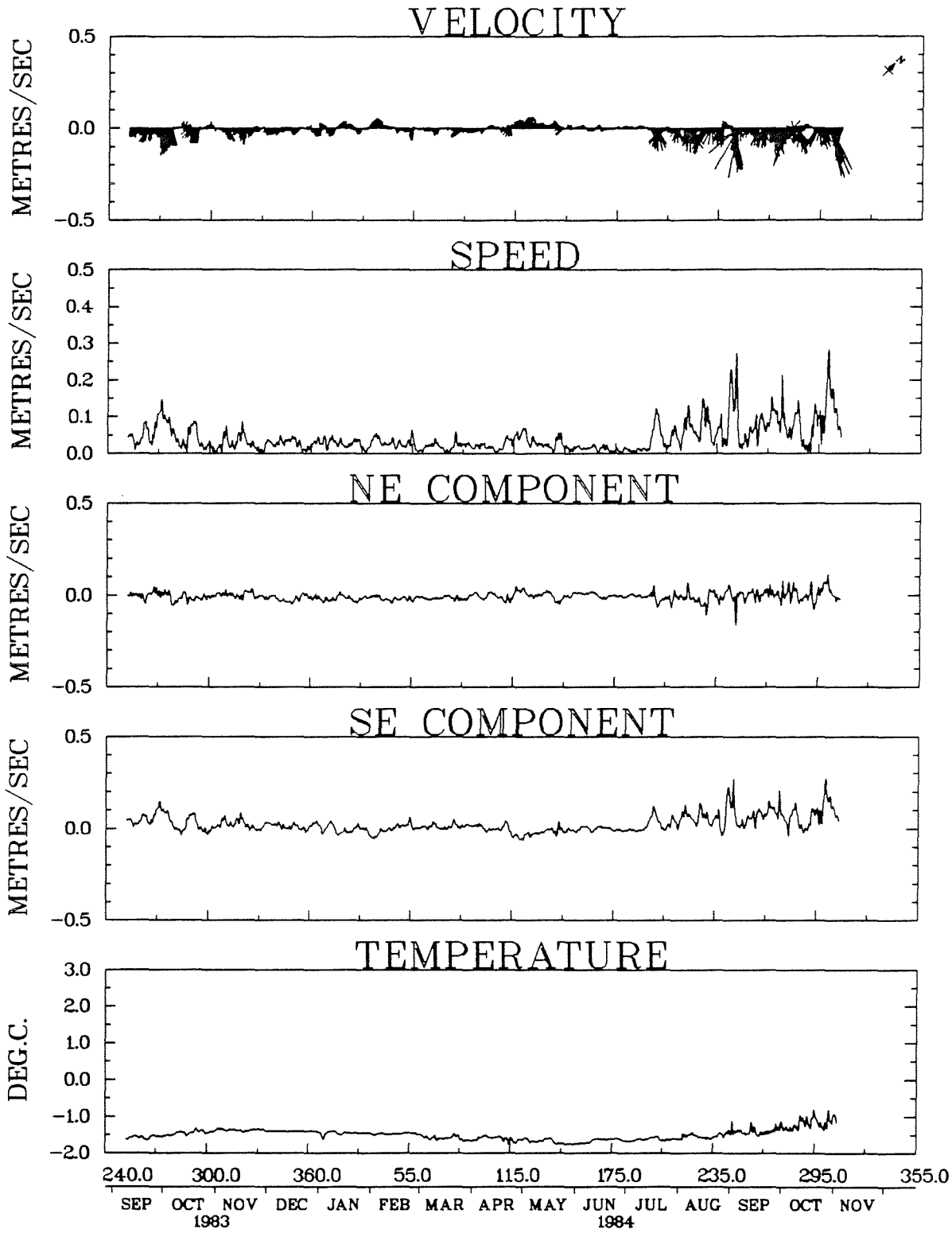
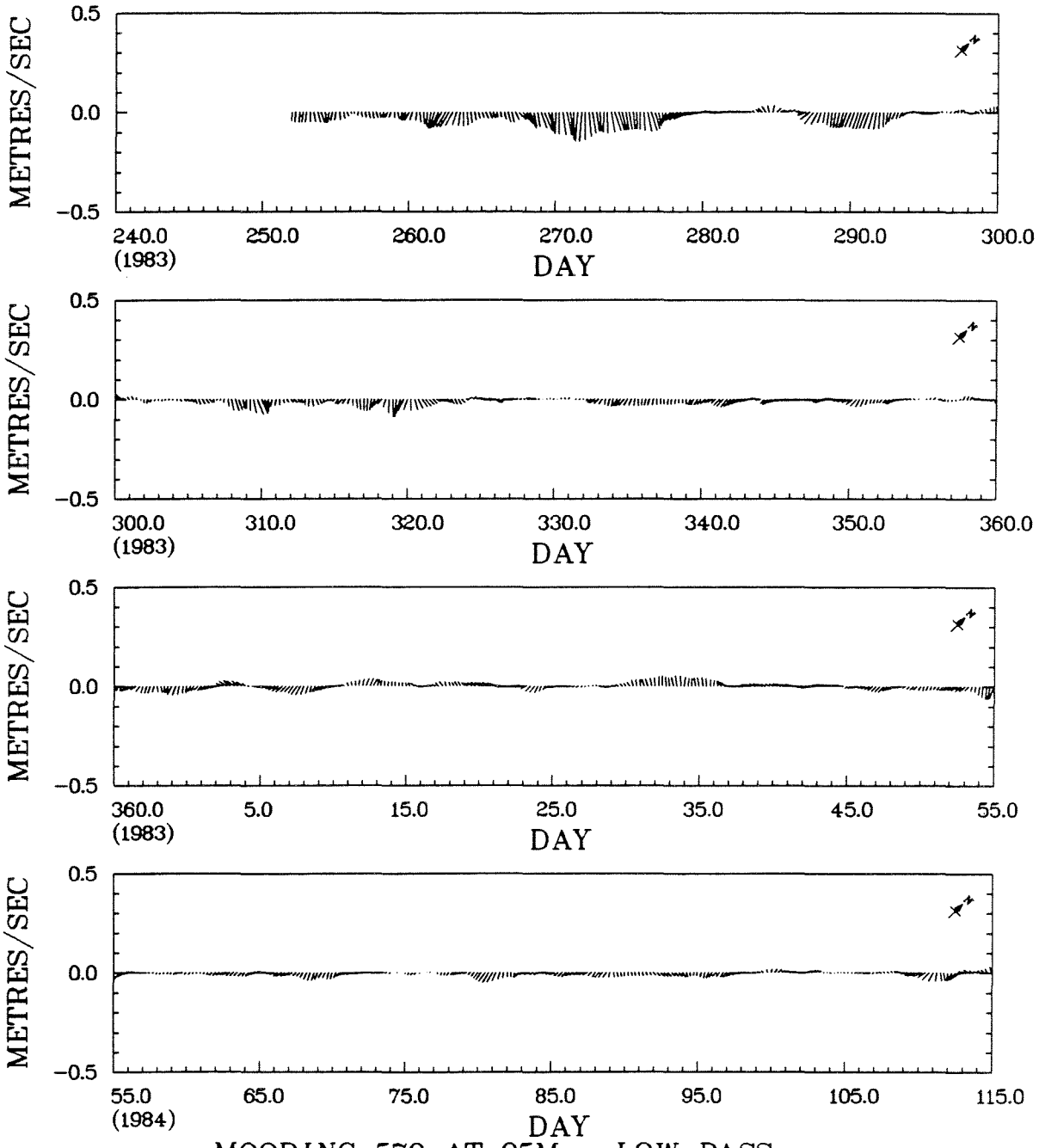
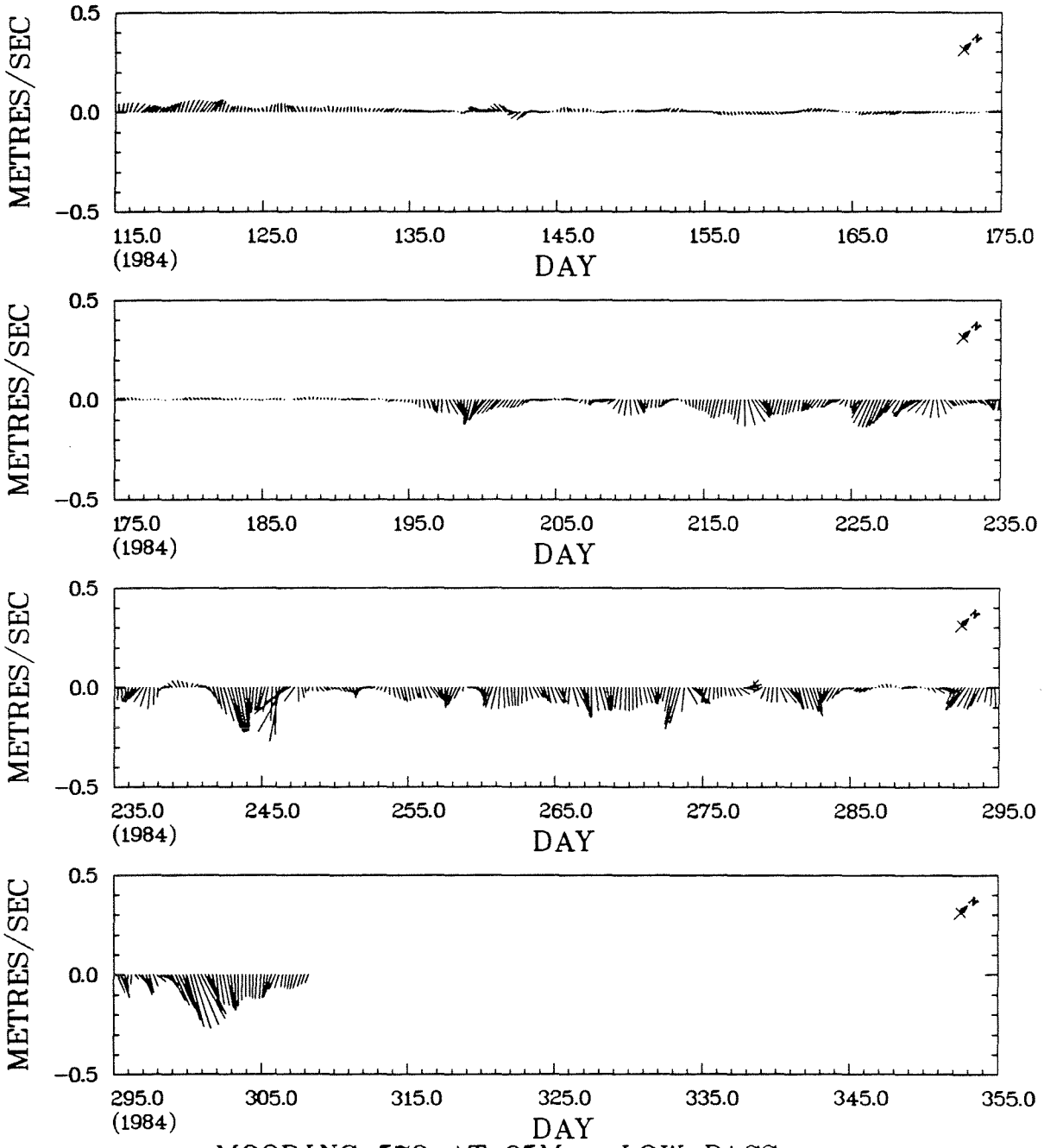


MOORING 579 AT 95M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 579 AT 95M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

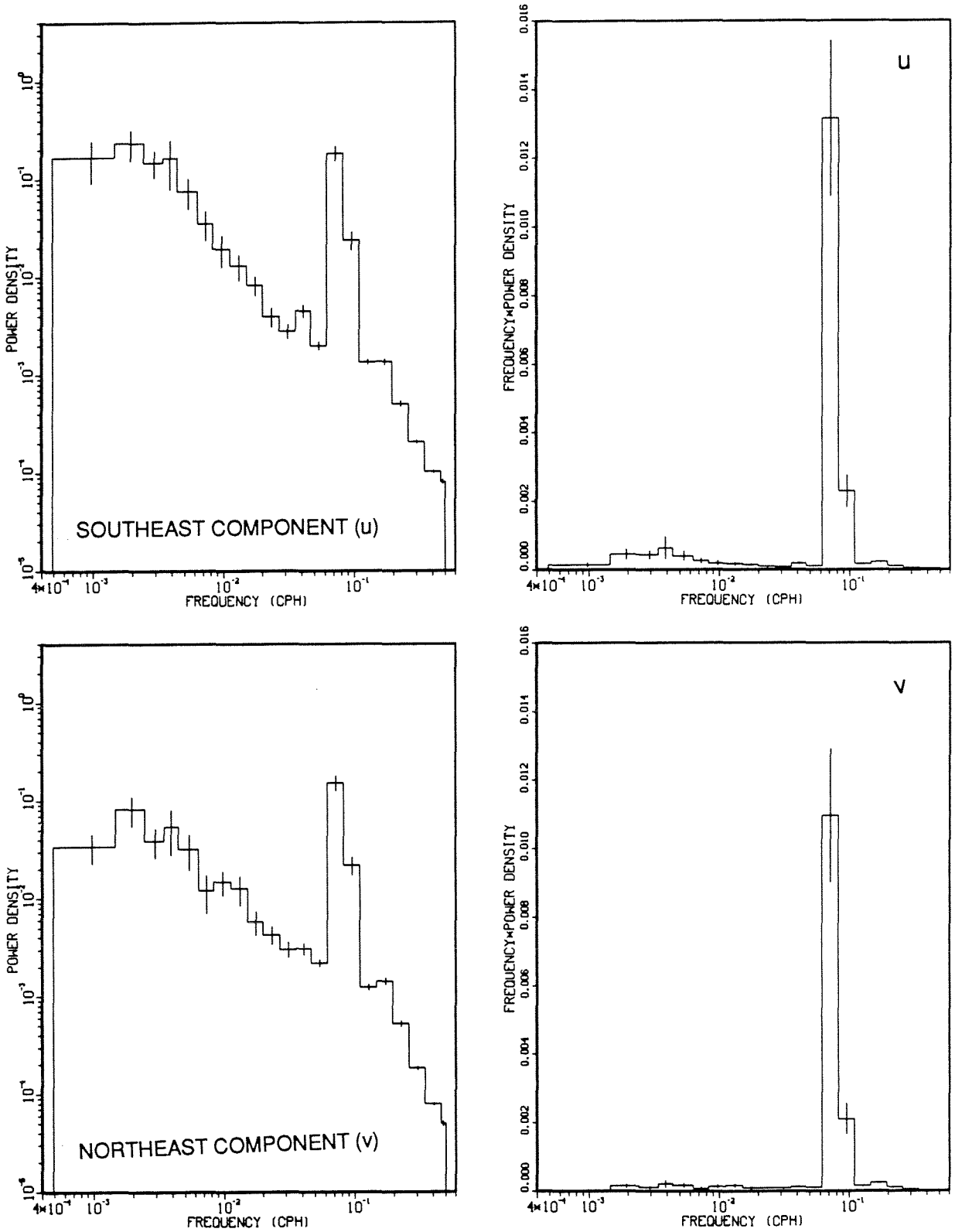


MOORING 579 AT 95M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 579
Depth 95 m

Tidal Analysis
427.7 d centered at day 097, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.006	.002	95	48	C	.004	23	.005	66
O1	.004	.003	121	37	C	.003	328	.004	45
M2	.090	.060	99	246	C	.072	203	.081	272
S2	.030	.018	92	289	C	.024	257	.025	318
N2	.022	.017	103	222	C	.018	172	.021	247
MF	.005	.001	109	26	A	.003	56	.005	17
M4	.002	.001	156	253	C	.001	132	.002	239
MS4	.002	.001	173	282	C	.001	137	.002	258



MOORING 579 AT 95M
NORTHWEST BAFFIN BAY 1983/4

Mooring 579
Depth 195 m

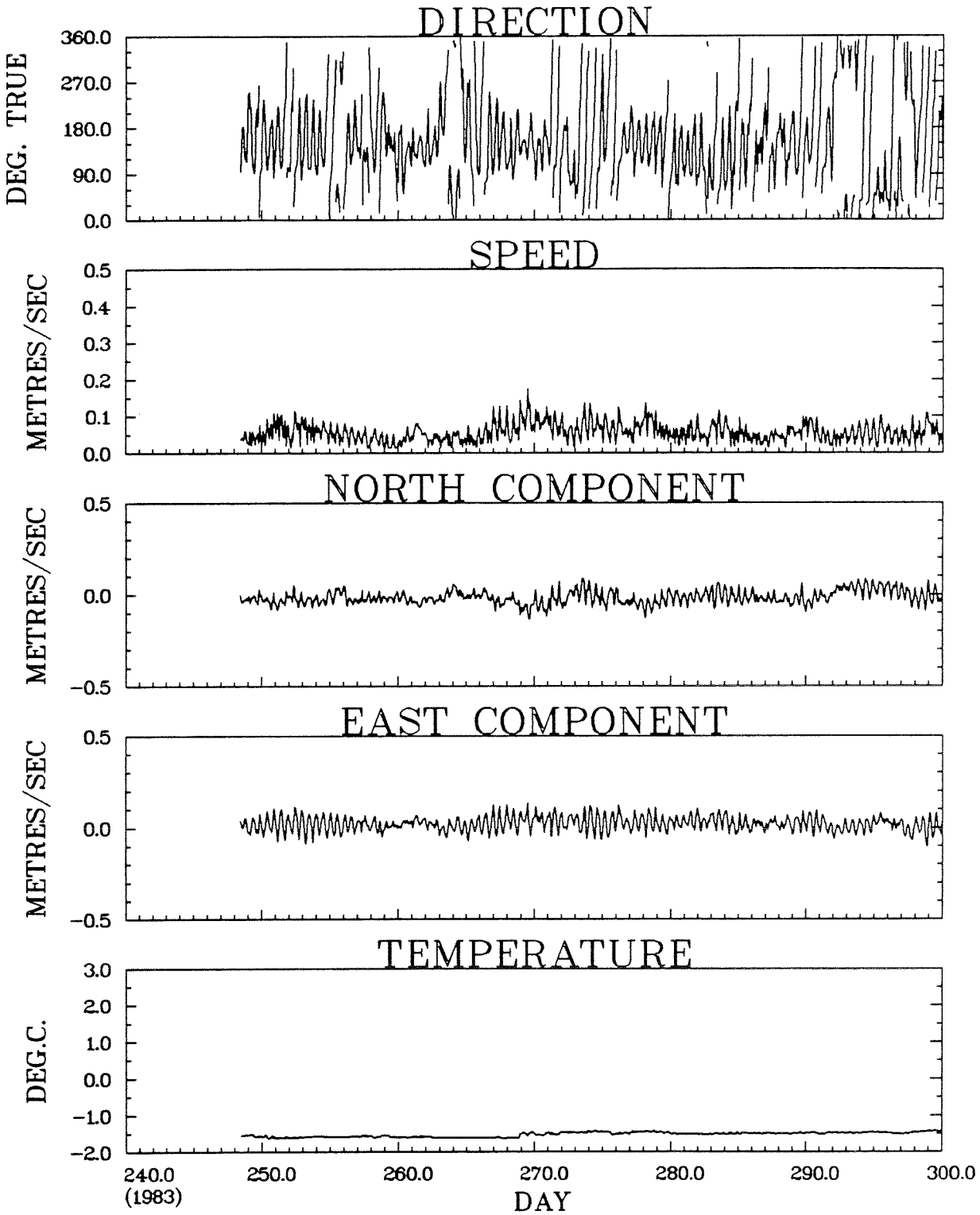
Latitude	71° 45.8N	Deployment	1021Z 5 Sept., 1983
Longitude	71° 40.8W	Recovery	28 Sept., 1985 (submersible)
Water Depth	210 m	Duration	754 d

RECORD LENGTH STATISTICS

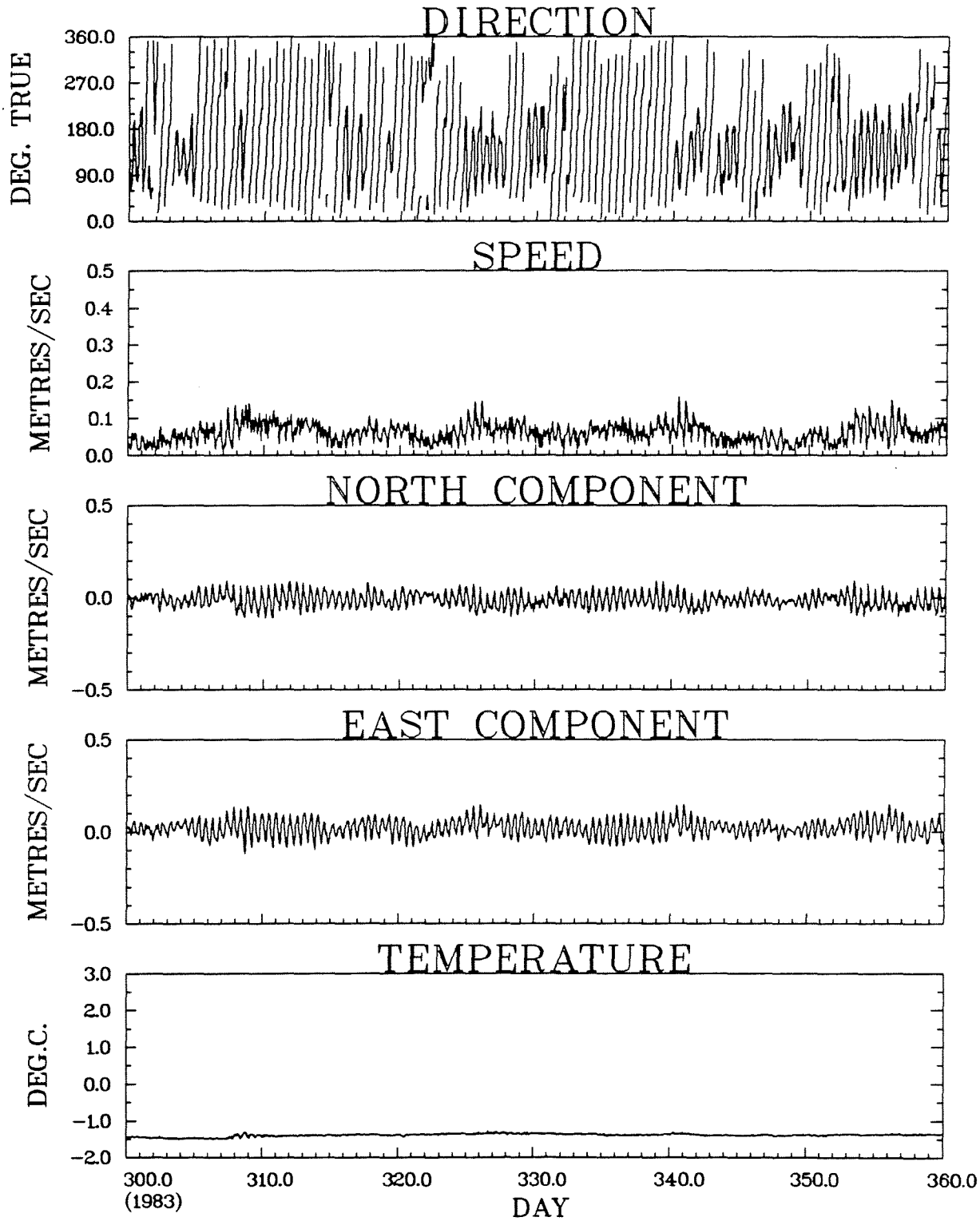
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	6935	188	190	190	0.4
Temperature (T)	°C	6935	-1.63	-1.23	-1.39	0.07
Speed (R)	ms^{-1}	6935	0.015	0.197	0.062	0.028
Northeast Component (V)	ms^{-1}	6935	-.135	0.177	0.004	0.050
Southeast Component (U)	ms^{-1}	6935	-.090	0.173	0.024	0.038

MONTHLY MEANS

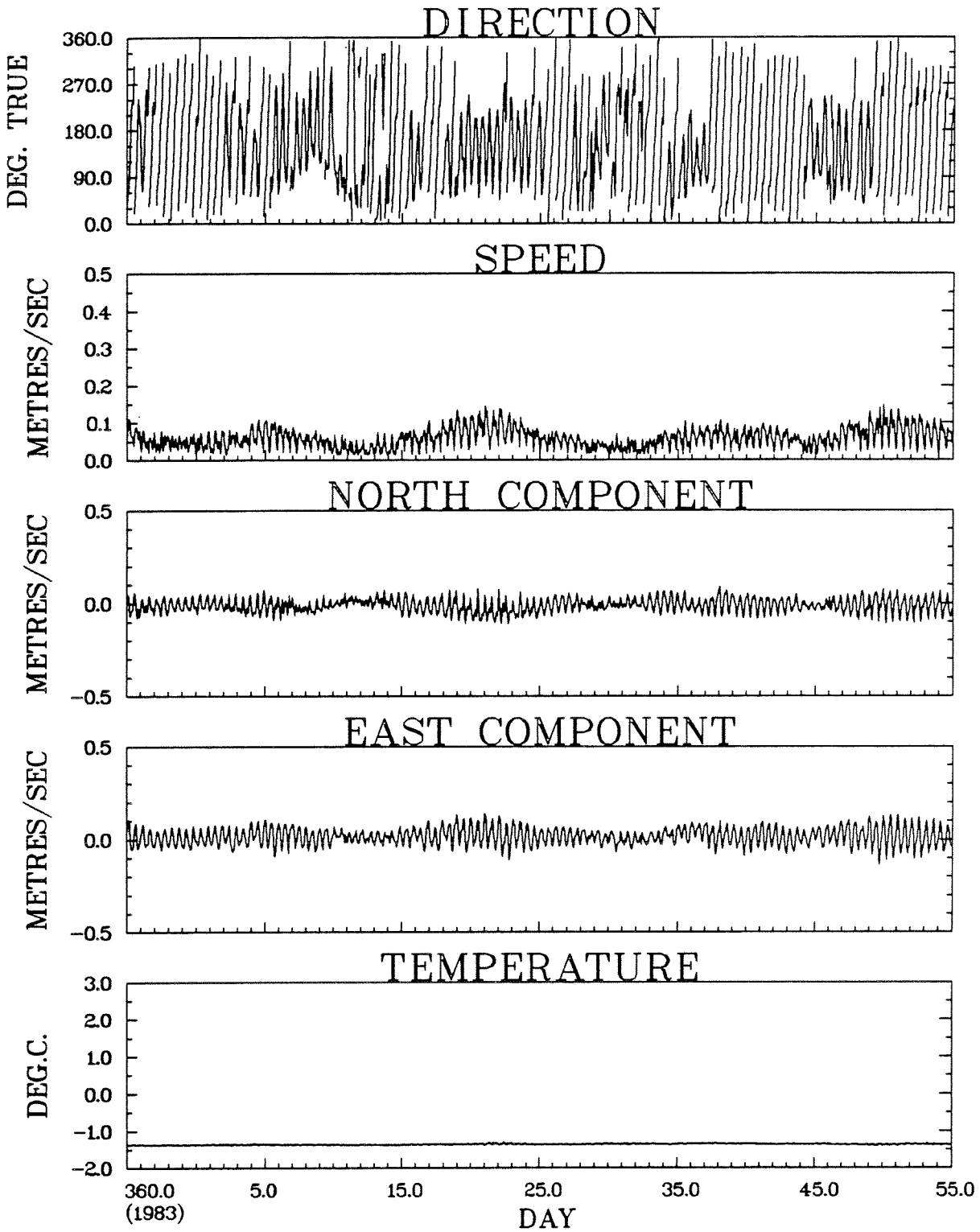
	Samples	T	R	V	U
September	614	-1.57±0.05	0.056±.027	-.001±.038	0.032±.037
October	744	-1.48±0.03	0.054±.023	0.006±.042	0.022±.033
November	720	-1.38±0.04	0.065±.025	0.005±.053	0.021±.039
December	744	-1.37±0.02	0.059±.025	0.002±.050	0.024±.033
January	744	-1.36±0.01	0.056±.027	0.002±.046	0.022±.035
February	696	-1.36±0.02	0.059±.026	0.003±.051	0.017±.035
March	744	-1.34±0.04	0.075±.033	0.008±.061	0.029±.045
April	720	-1.35±0.03	0.072±.031	0.004±.057	0.030±.044
May	744	-1.36±0.03	0.065±.027	0.006±.050	0.031±.038
June	465	-1.36±0.02	0.055±.022	0.002±.047	0.013±.033



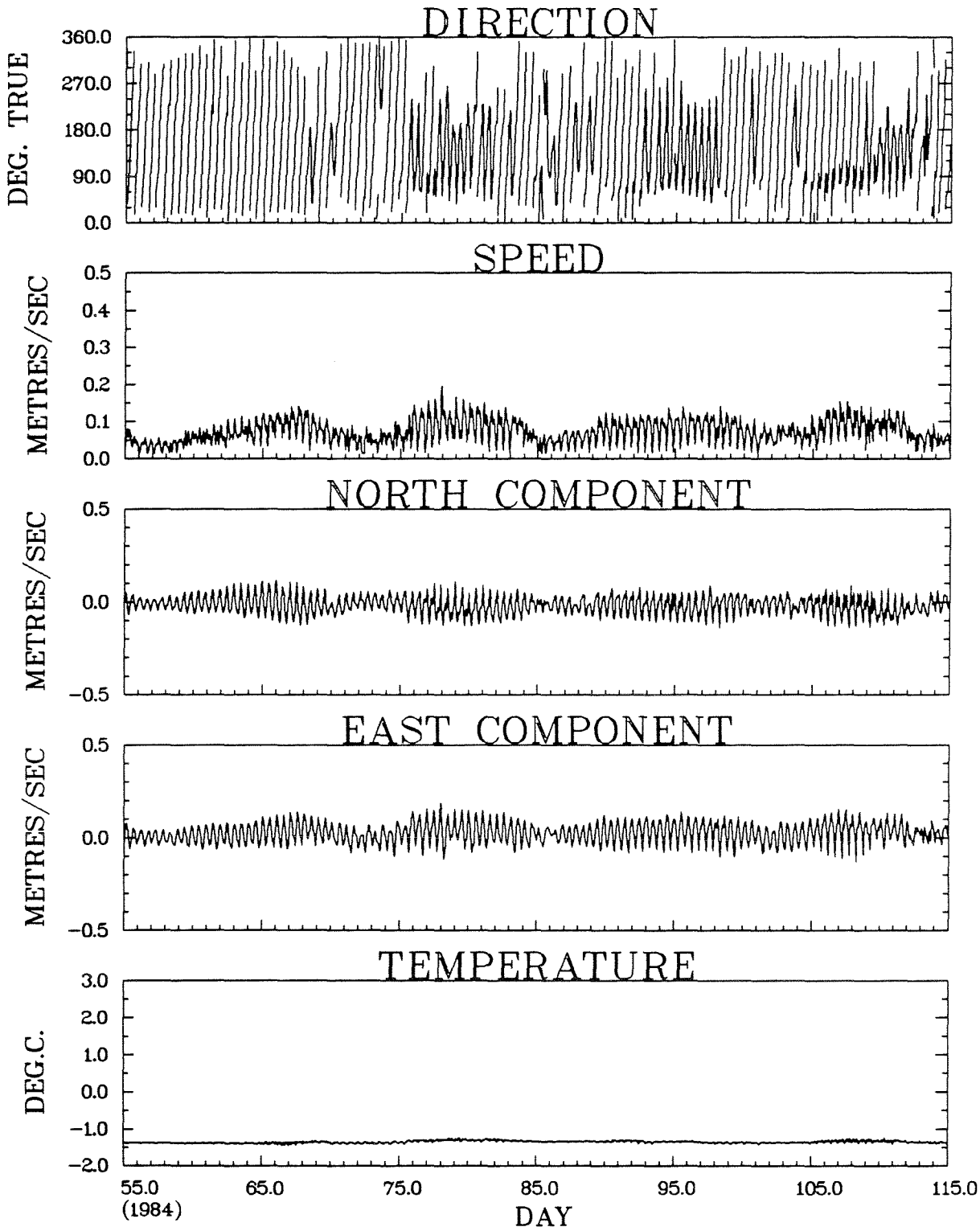
MOORING 579 AT 195M
NORTHWEST BAFFIN BAY 1983/4



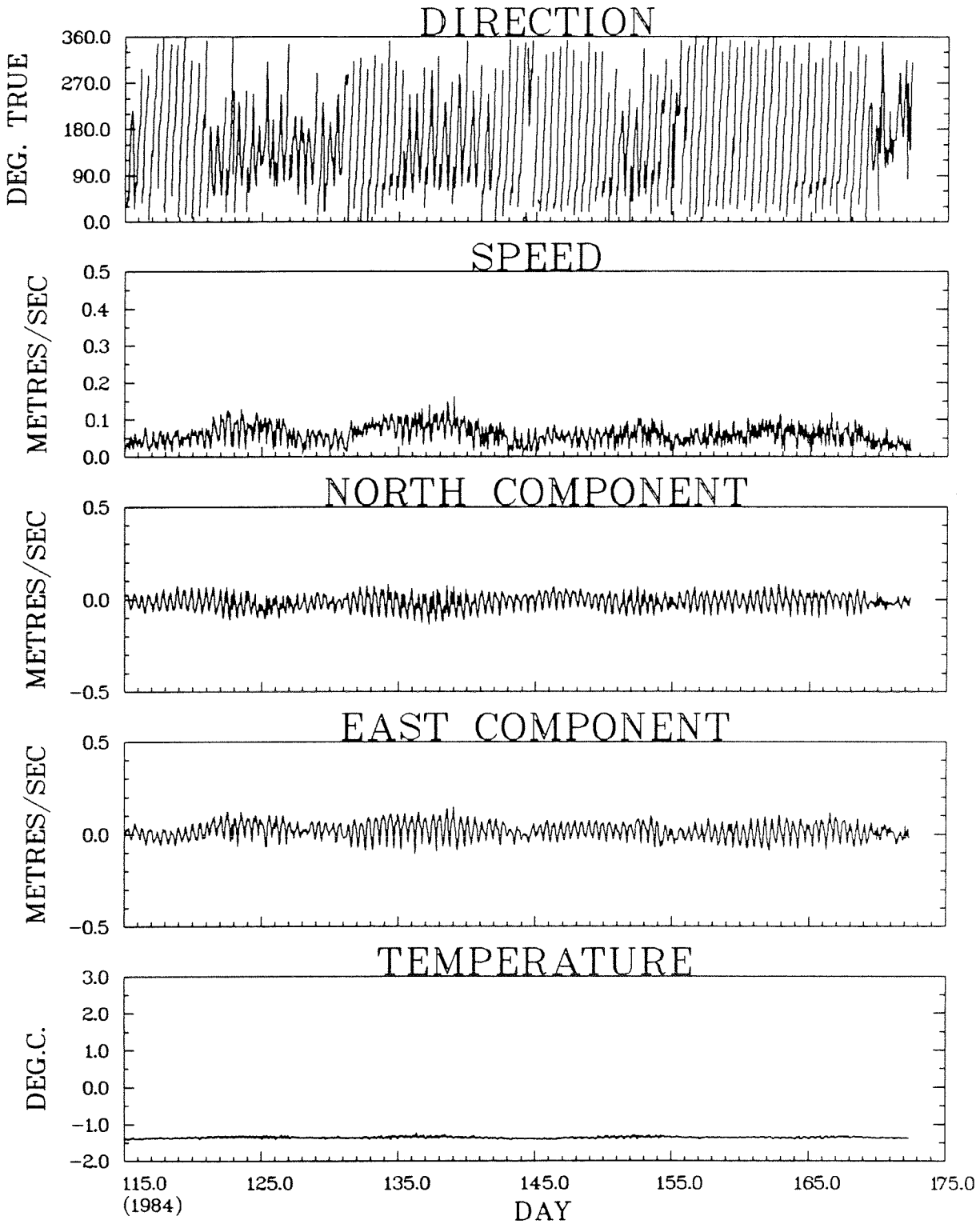
MOORING 579 AT 195M
NORTHWEST BAFFIN BAY 1983/4



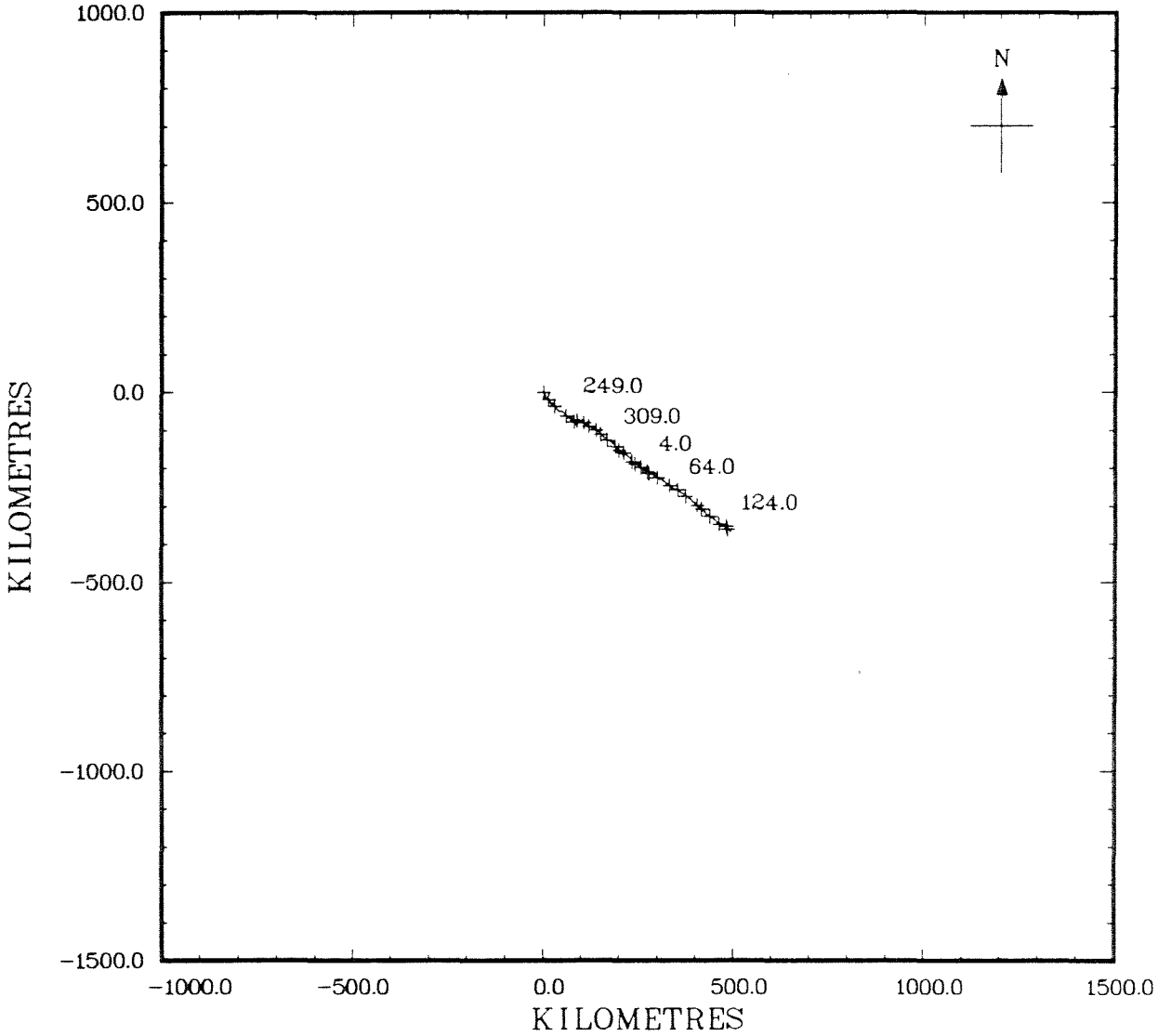
MOORING 579 AT 195M
NORTHWEST BAFFIN BAY 1983/4



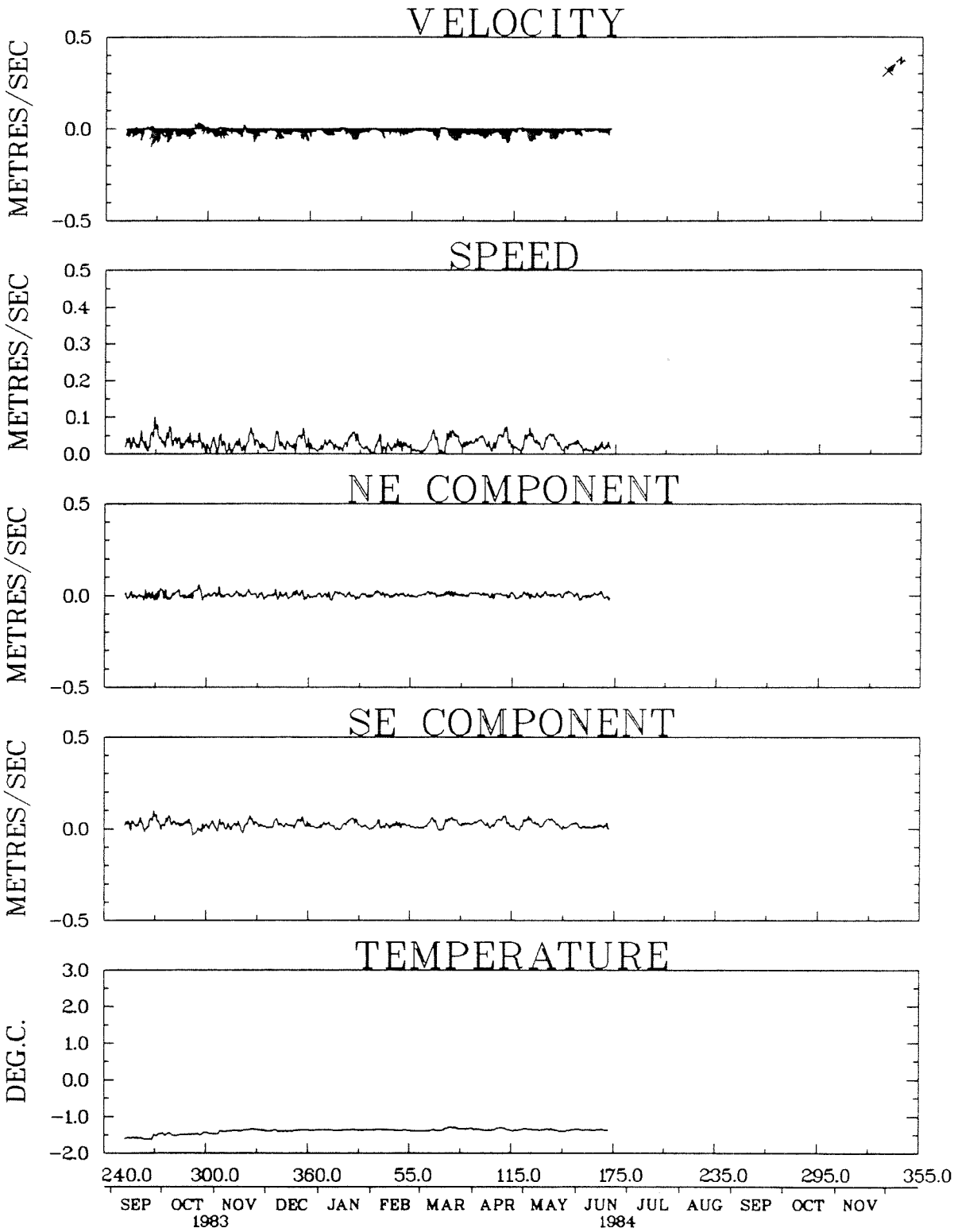
MOORING 579 AT 195M
NORTHWEST BAFFIN BAY 1983/4



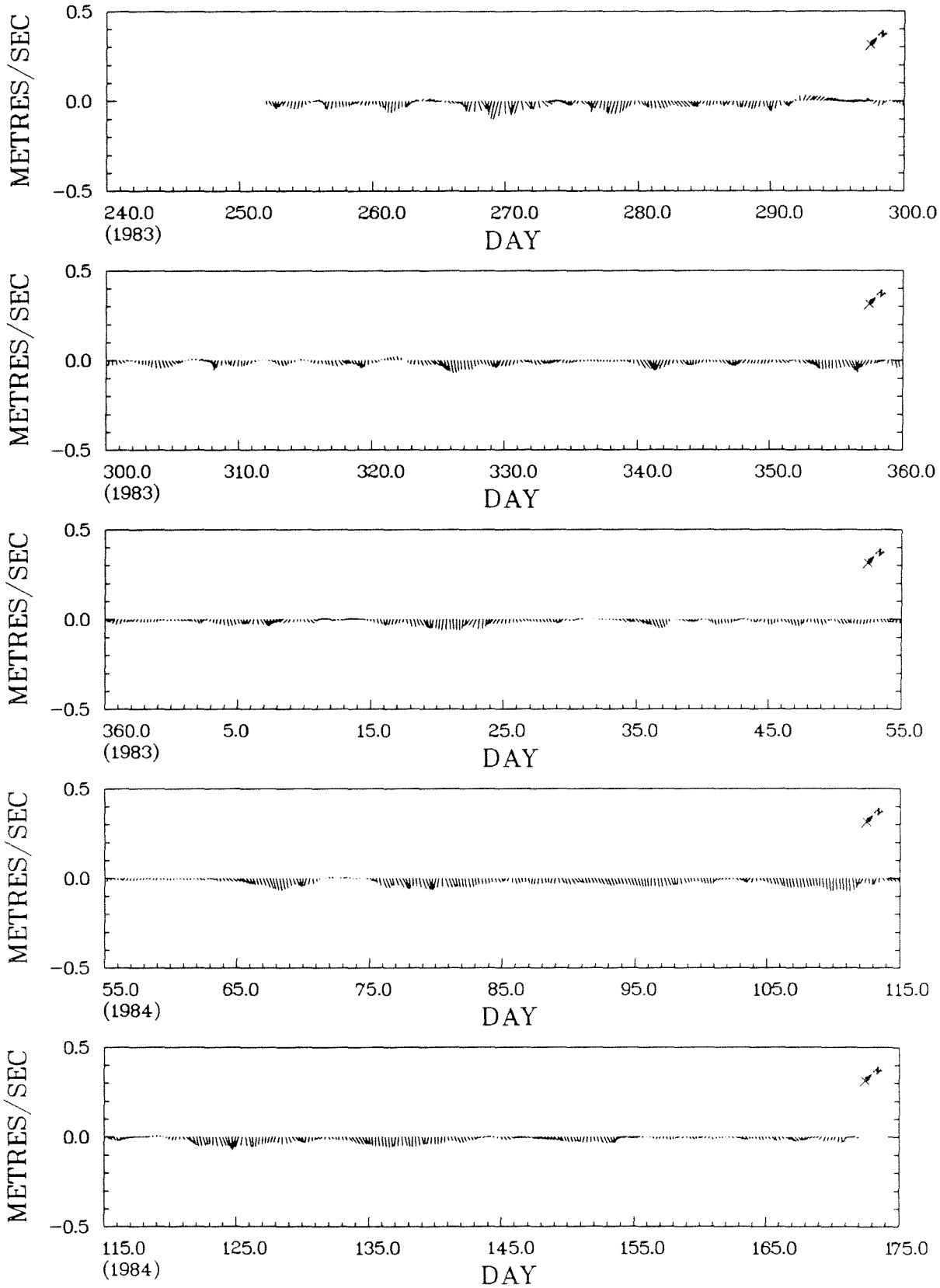
MOORING 579 AT 195M
NORTHWEST BAFFIN BAY 1983/4



MOORING 579 AT 195M
NORTHWEST BAFFIN BAY 1983/4



MOORING 579 AT 195M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

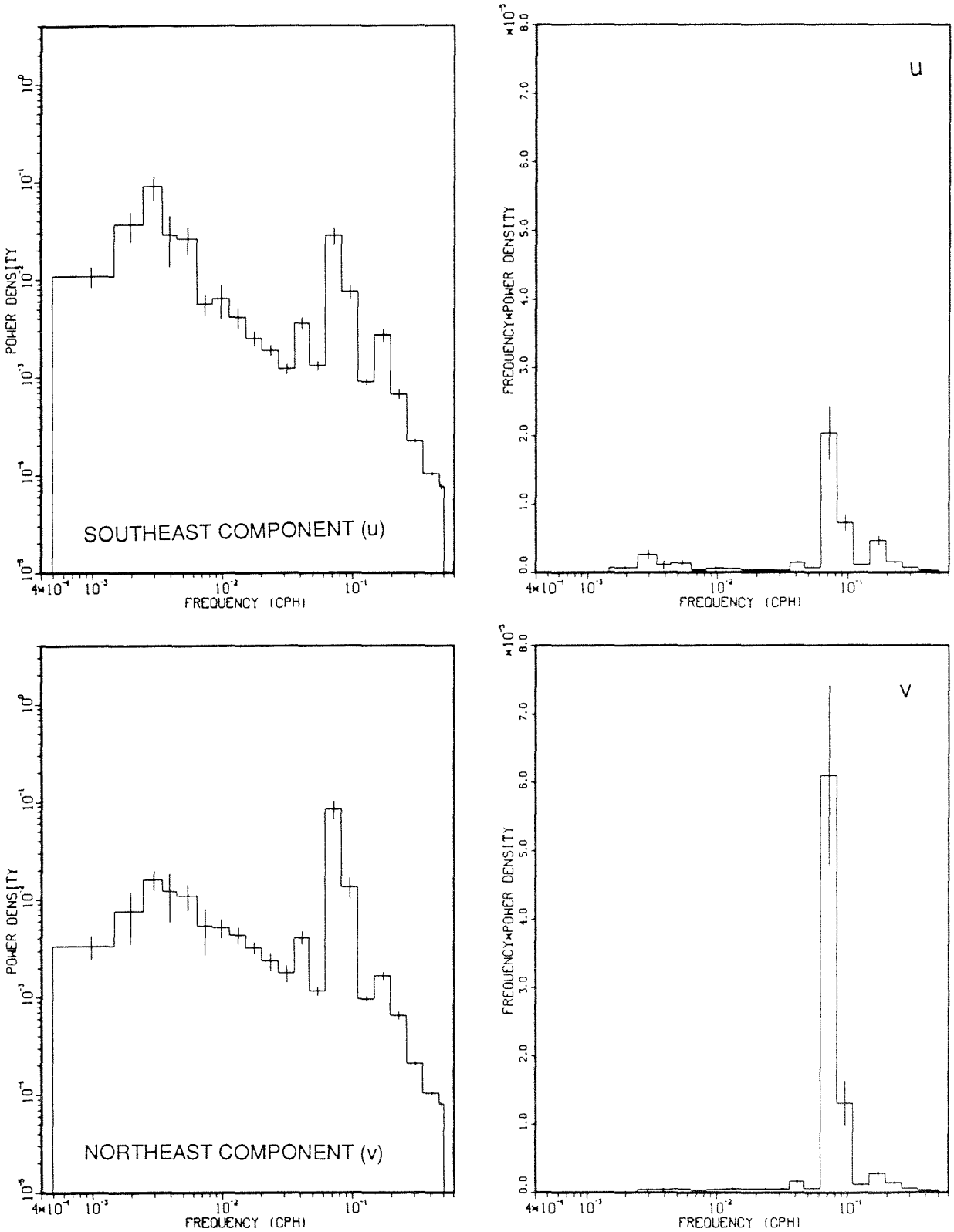


MOORING 579 AT 195M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 579
Depth 195 m

Tidal Analysis
289.0 d centered at day 027, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.007	.001	91	57	A	.005	65	.005	49
O1	.005	.000	83	33	A	.004	35	.003	29
M2	.055	.023	56	302	C	.055	298	.025	7
S2	.017	.005	52	351	C	.017	349	.005	59
N2	.014	.008	69	271	C	.013	257	.010	324
MF	.004	.003	103	111	C	.003	64	.004	133
M4	.002	.001	149	119	A	.001	243	.002	124
MS4	.004	.001	166	155	C	.002	349	.003	149



MOORING 579 AT 195M
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 22 m

Latitude	71° 50.2N	Deployment	1245Z 5 Sept., 1983
Longitude	71° 23.1W	Recovery	1050Z 30 Sept., 1984
Water Depth	487 m	Duration	390 d

N.B. Mooring moved by iceberg - see mooring 580A for continuation.

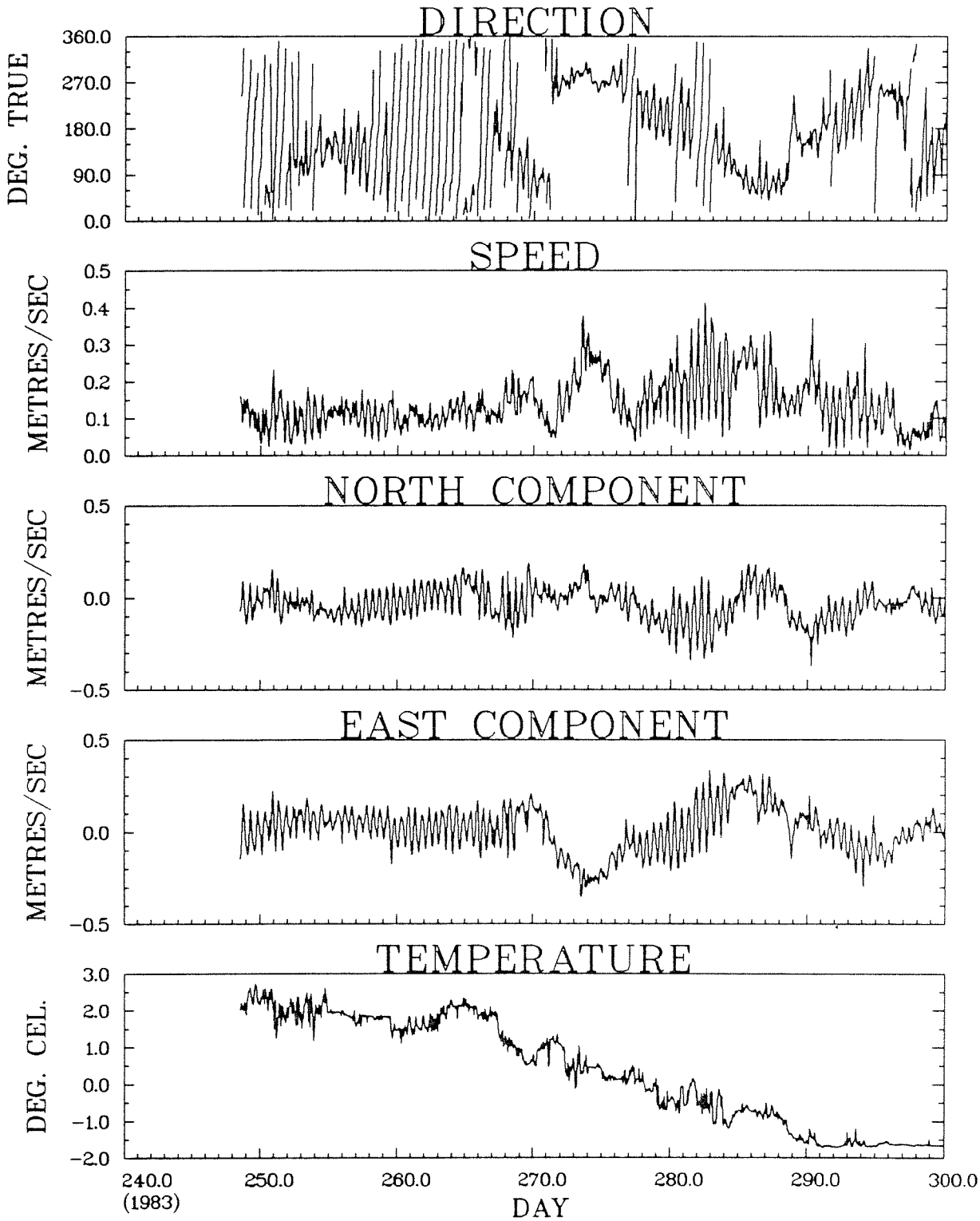
RECORD LENGTH STATISTICS

Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	1759	21	27	24	0.7
Temperature (T)	°C	1759	-1.73	2.73	-0.26	1.51
Speed (R)	ms^{-1}	1309	0.015	0.412	0.136	0.070
Northeast Component (V)	ms^{-1}	1309	-.243	0.323	-.017	0.102
Southeast Component (U)	ms^{-1}	1309	-.346	0.411	0.032	0.108

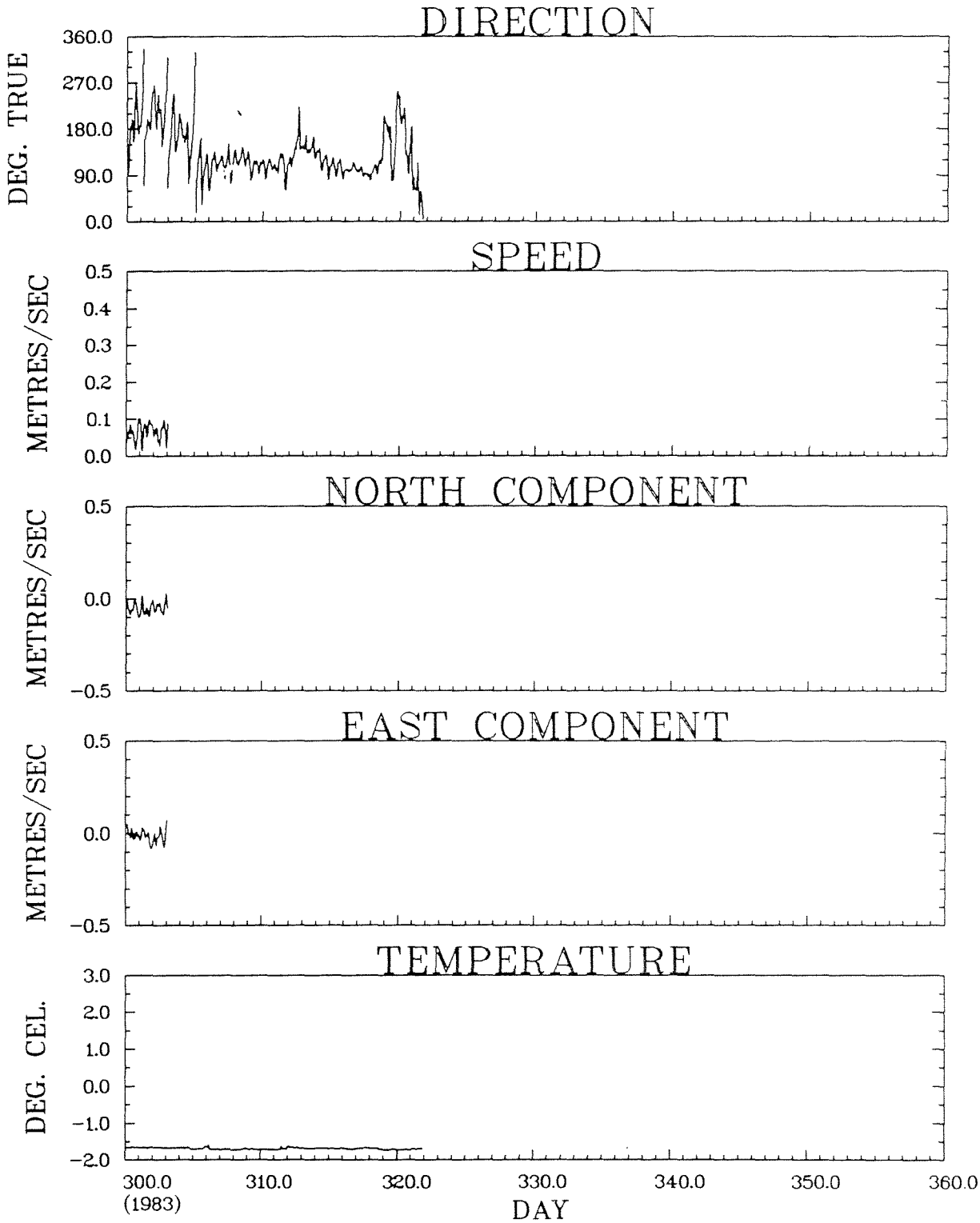
MONTHLY MEANS

	Samples	T	R	V	U
September	610	1.63±0.57	0.120±.050	0.004±.082	0.021±.098
October	699[a]	-1.02±0.71	0.150±.081	-.036±.113	0.042±.115
November	405	-1.70±0.02			

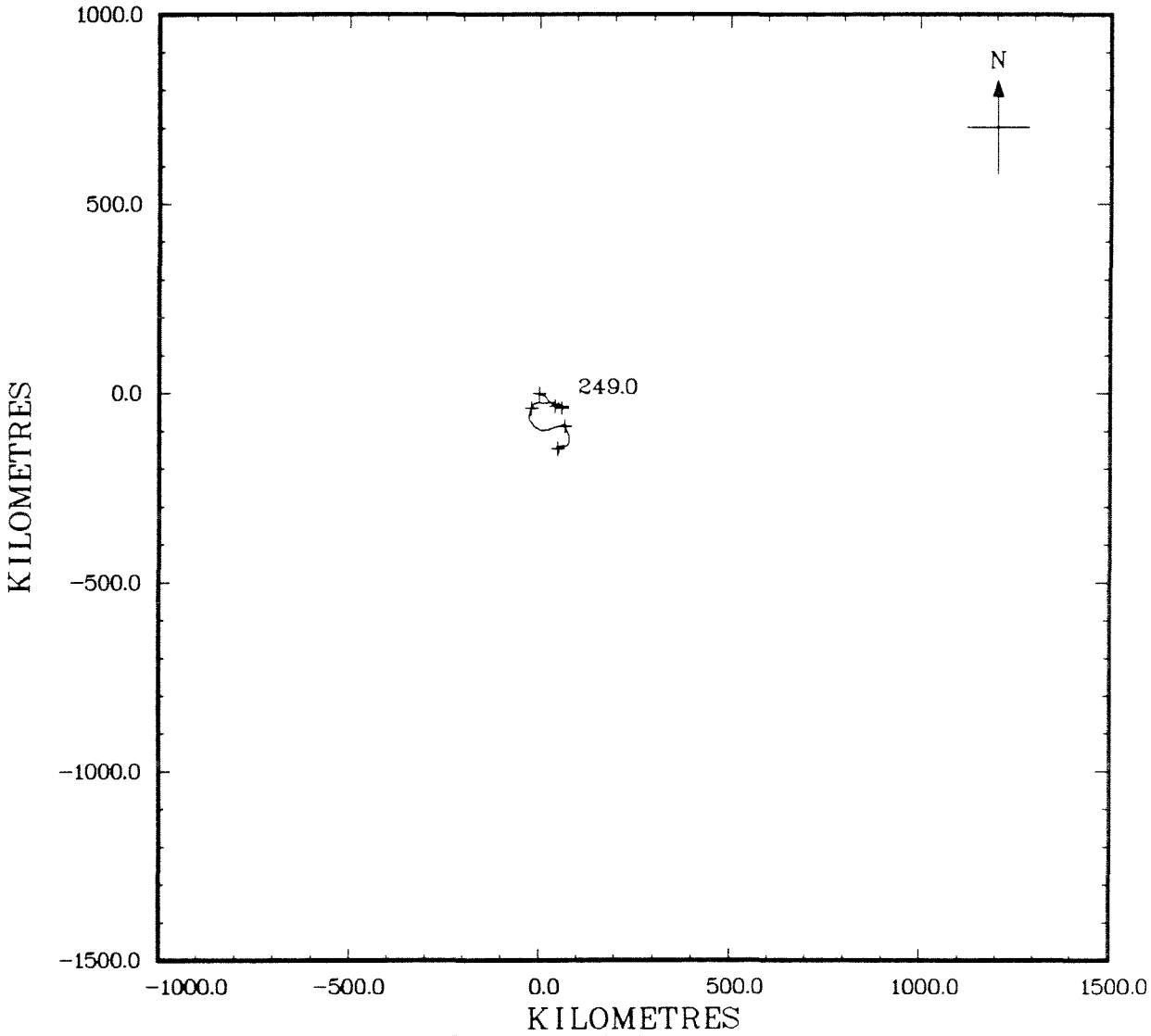
[a] T has 744 samples



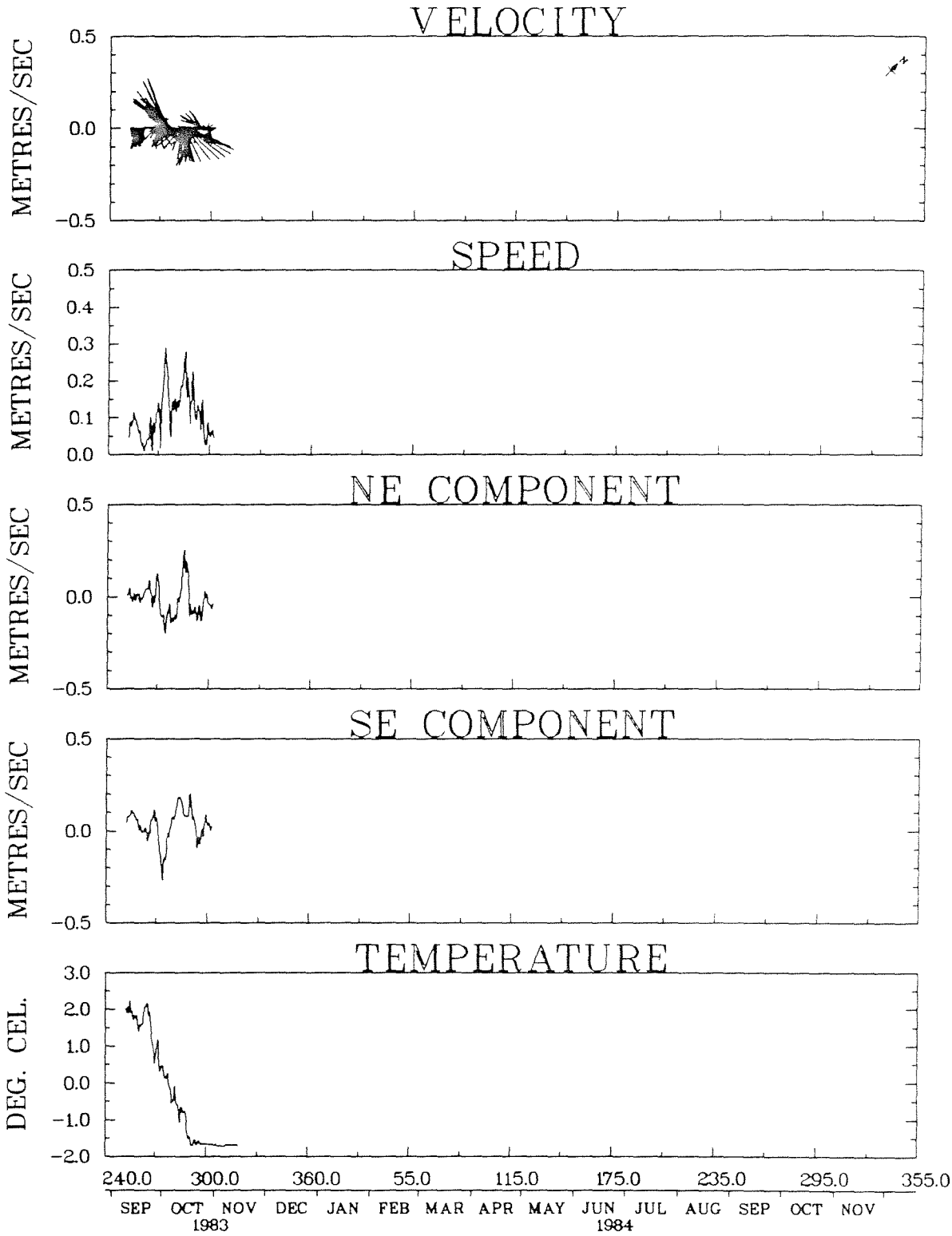
MOORING 580 AT 22M
NORTHWEST BAFFIN BAY 1983/4



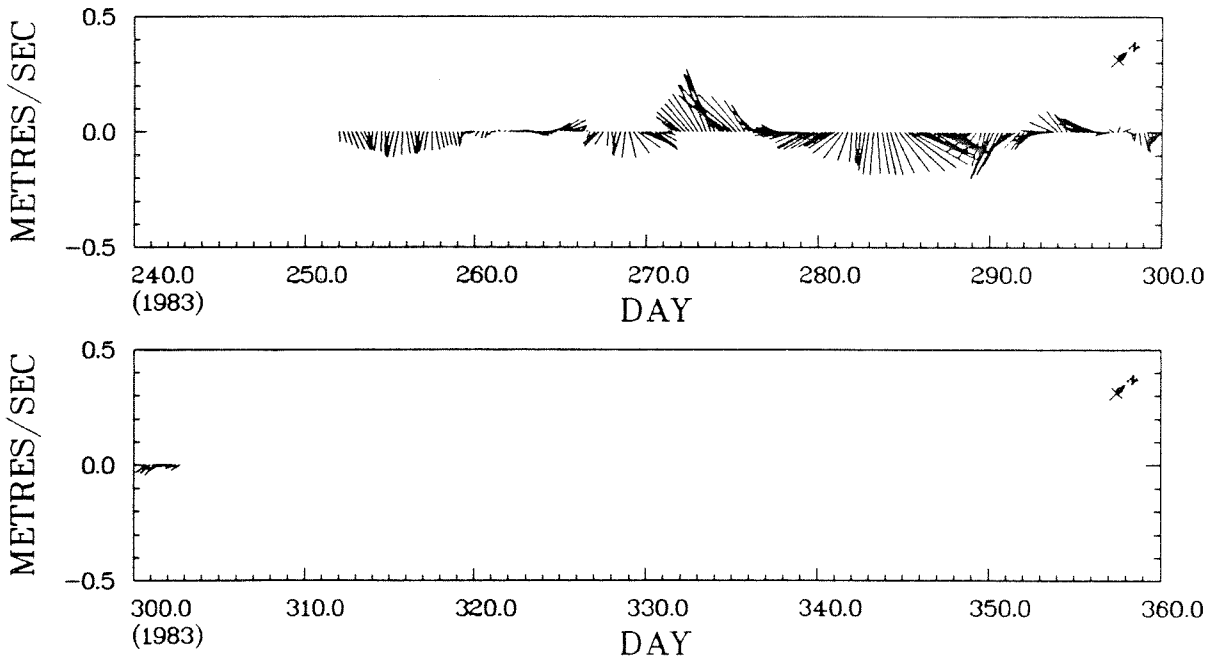
MOORING 580 AT 22M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 22M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 22M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

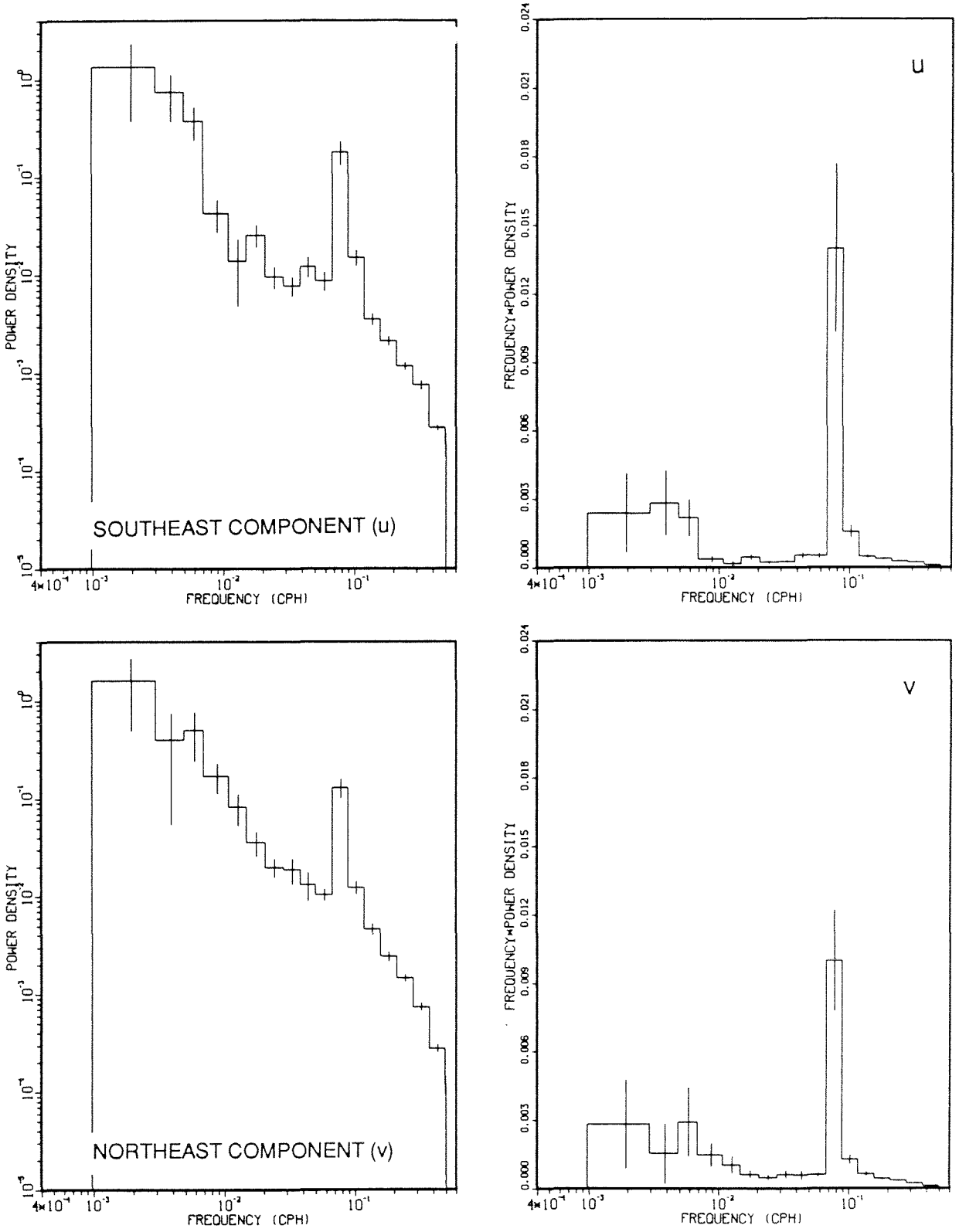


MOORING 580 AT 22M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 22 m

Tidal Analysis
54.5 d centered at day 275, 1983

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.005	.004	39	247	C	.005	252	.004	344
O1	.008	.006	82	352	C	.007	321	.007	37
M2	.047	.010	93	267	C	.032	253	.036	278
S2	.046	.031	132	279	C	.031	194	.046	281
N2	.017	.008	105	237	C	.011	196	.015	253
MF	.039	.025	94	104	A	.032	140	.034	75
M4	.002	.000	66	306	C	.002	305	.001	309
MS4	.005	.001	63	7	C	.004	5	.001	27



MOORING 580 AT 22M
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 72 m

Latitude	71° 50.2N	Deployment	1245Z 5 Sept., 1983
Longitude	71° 23.1W	Recovery	1050Z 30 Sept., 1984
Water Depth	487 m	Duration	390 d

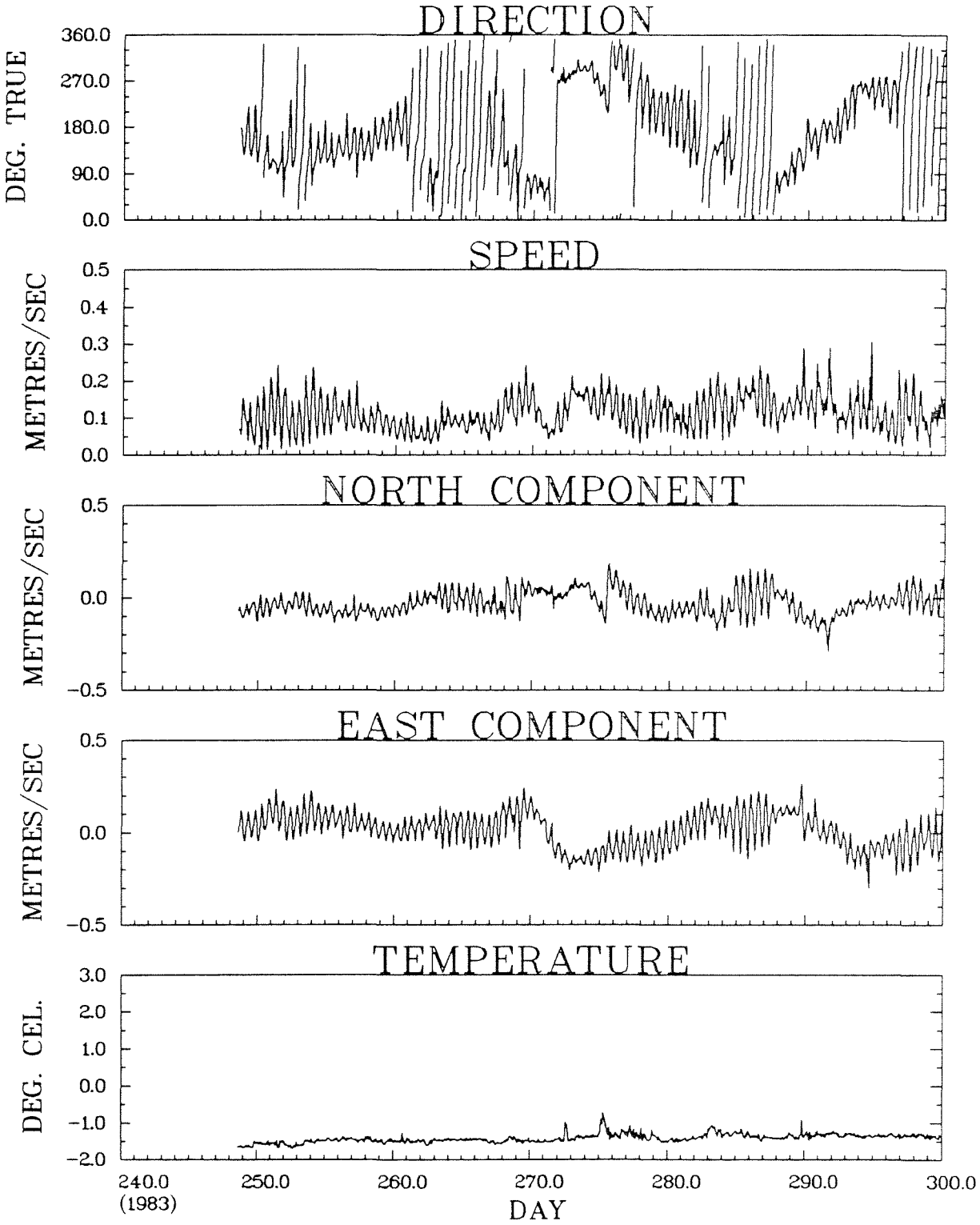
N.B. Mooring moved by iceberg - see mooring 580A for continuation.

RECORD LENGTH STATISTICS

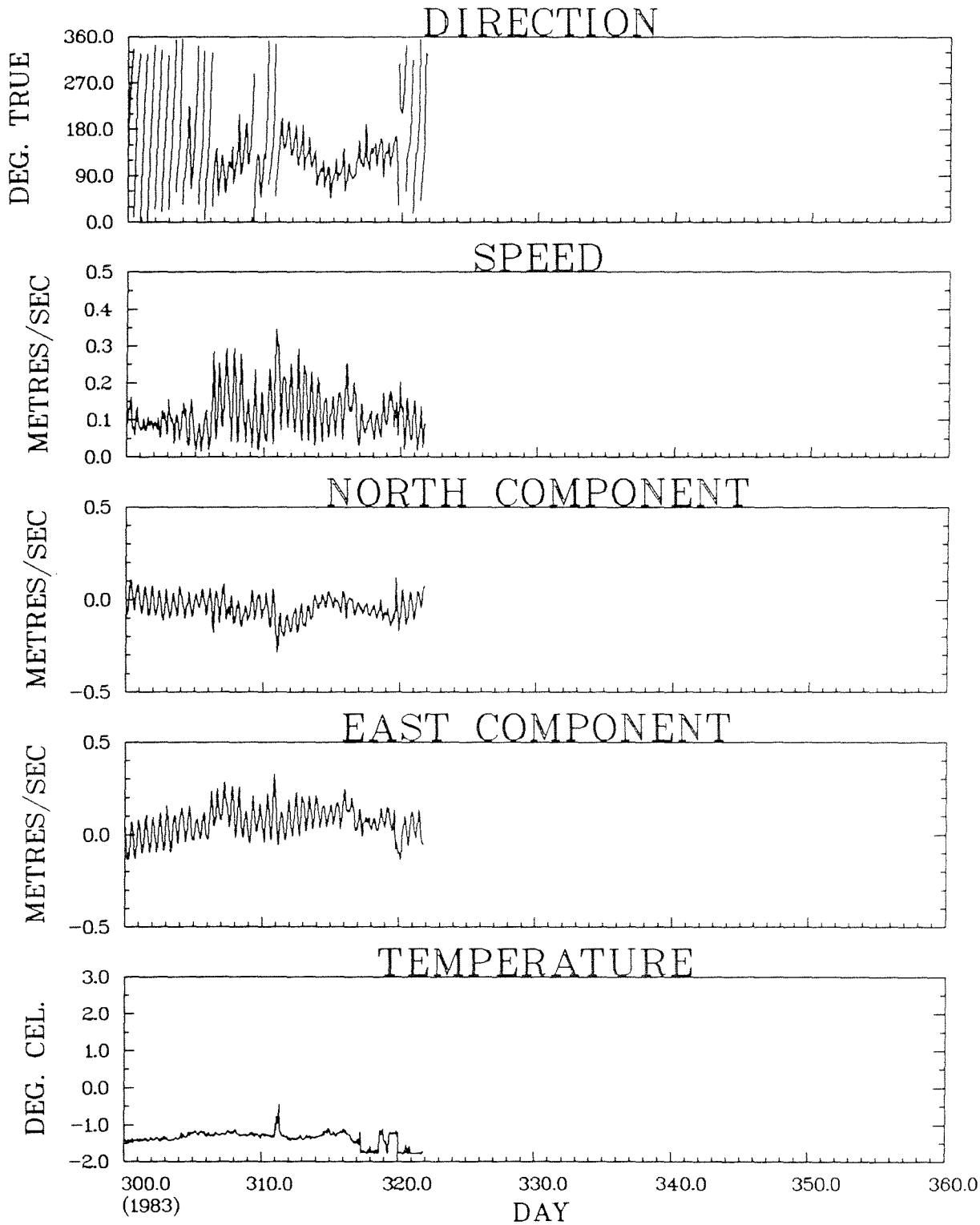
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	1759	65	68	66	0.3
Temperature (T)	°C	1759	-1.78	-0.45	-1.40	0.14
Speed (R)	ms^{-1}	1759	0.015	0.345	0.114	0.052
Northeast Component (V)	ms^{-1}	1759	-.224	0.229	-.004	0.075
Southeast Component (U)	ms^{-1}	1759	-.245	0.310	0.044	0.091

MONTHLY MEANS

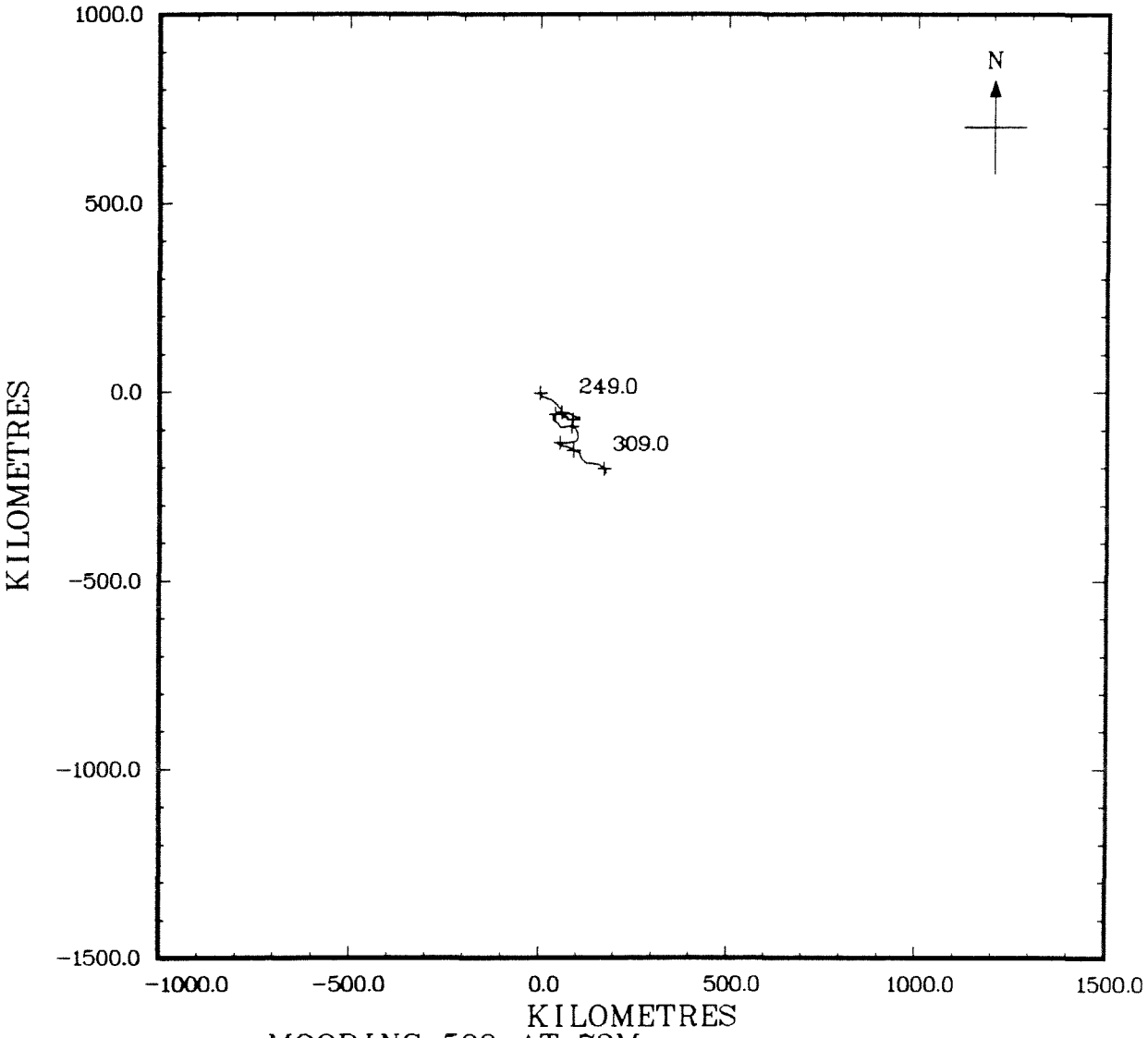
	Samples	T	R	V	U
September	610	-1.49±0.08	0.102±.046	0.007±.062	0.045±.081
October	744	-1.35±0.09	0.119±.047	-.029±.081	0.015±.094
November	405	-1.36±0.21	0.125±.066	0.025±.066	0.095±.077



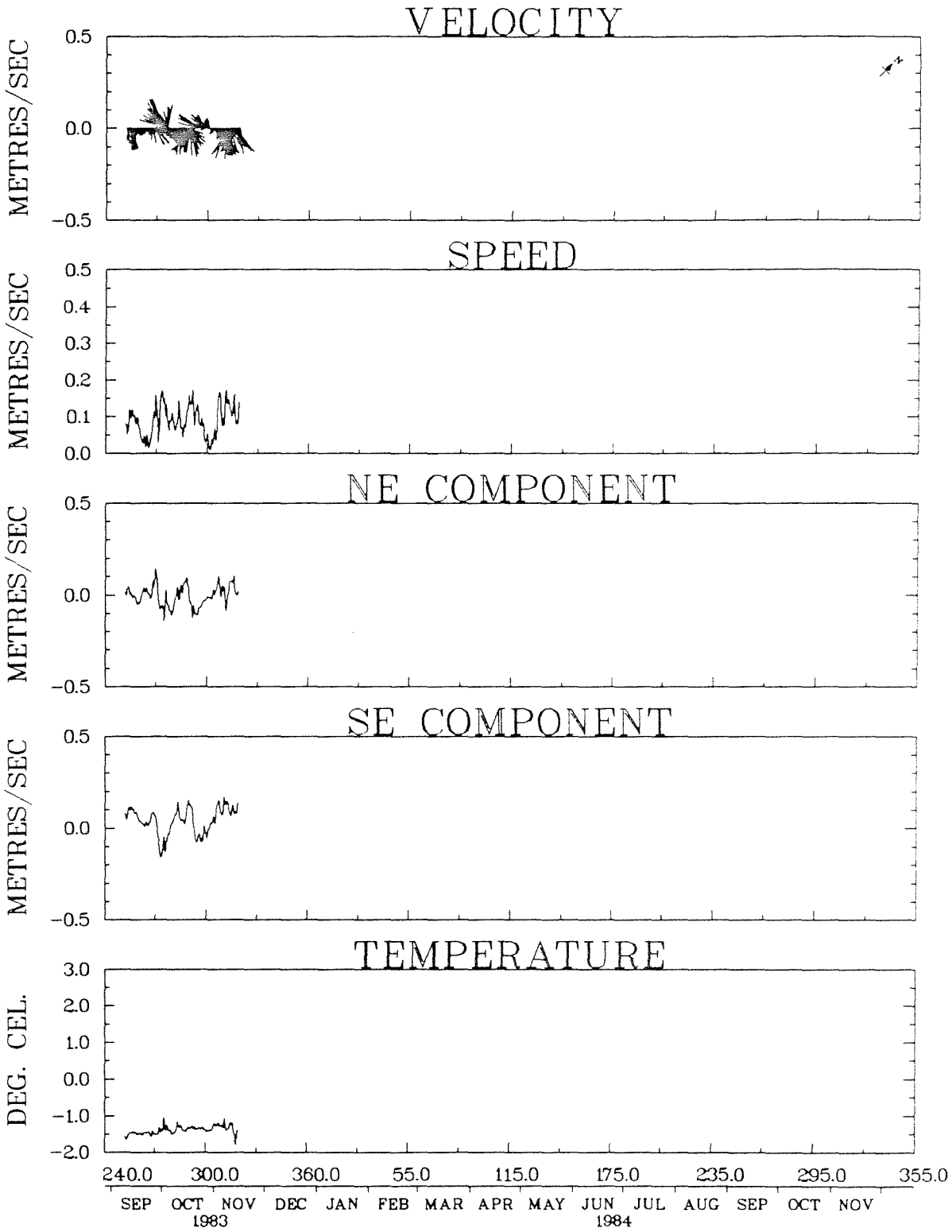
MOORING 580 AT 72M
NORTHWEST BAFFIN BAY 1983/4



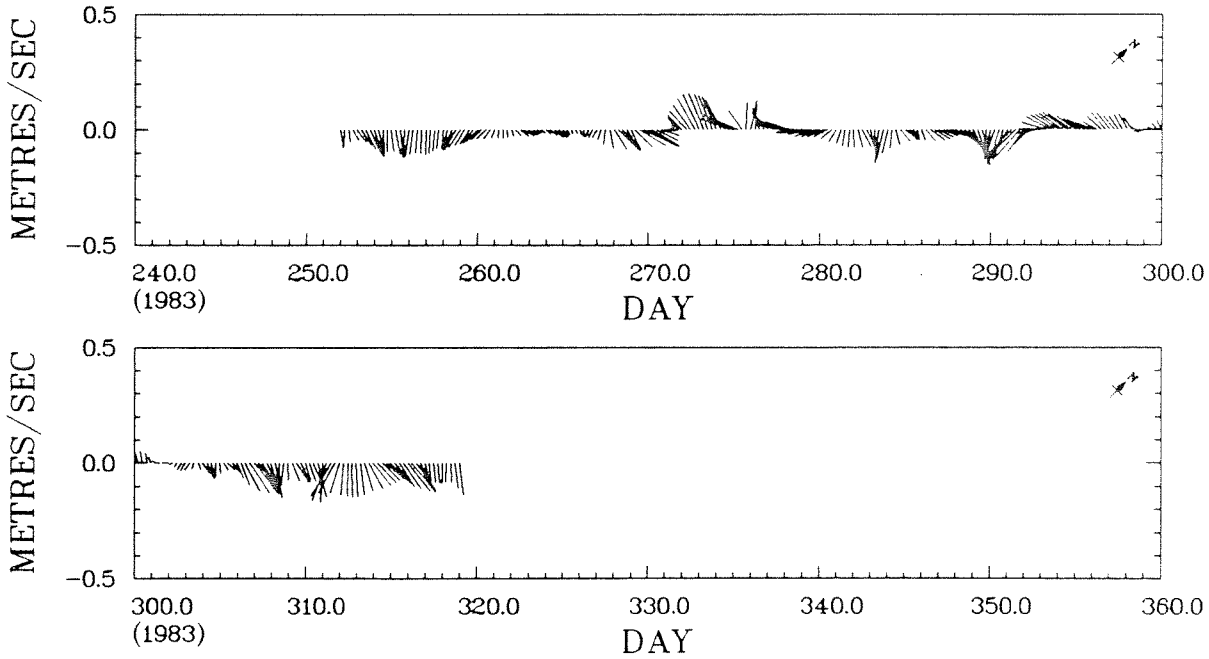
MOORING 580 AT 72M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 72M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 72M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

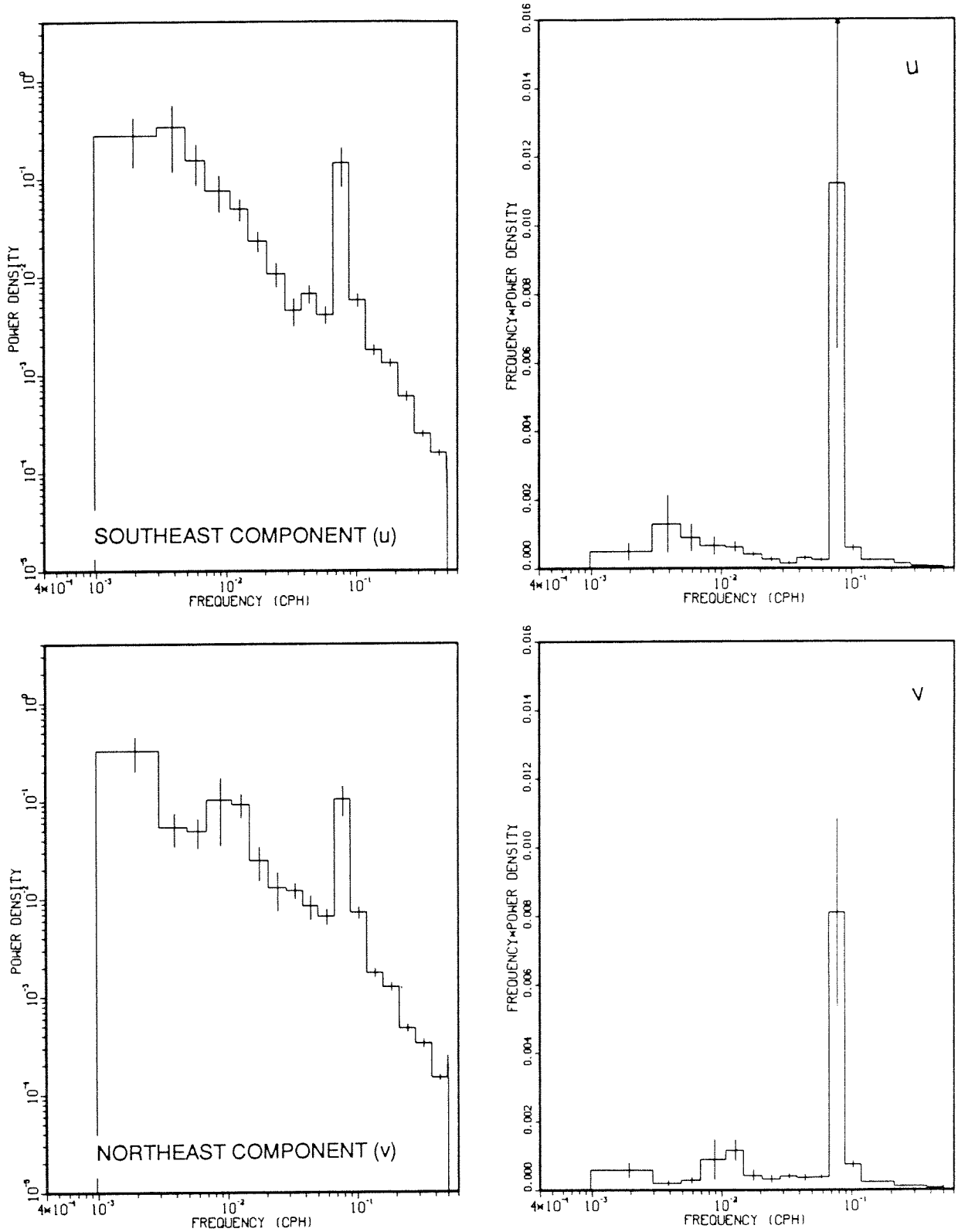


MOORING 580 AT 72M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 72 m

Tidal Analysis
73.3 d centered at day 285, 1983

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.004	.001	109	91	A	.002	109	.003	86
O1	.003	.000	128	15	C	.001	328	.003	16
M2	.073	.043	100	253	C	.055	213	.065	275
S2	.023	.008	108	301	C	.013	268	.021	310
N2	.013	.008	121	215	C	.008	147	.013	223
MF	.016	.007	152	32	A	.008	159	.015	39
M4	.002	.001	101	63	C	.002	26	.002	81
MS4	.001	.000	92	10	C	.001	354	.001	25



MOORING 580 AT 72M
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 172 m

Latitude	71° 50.2N	Deployment	1245Z 5 Sept., 1983
Longitude	71° 23.1W	Recovery	1050Z 30 Sept., 1984
Water Depth	487 m	Duration	390 d

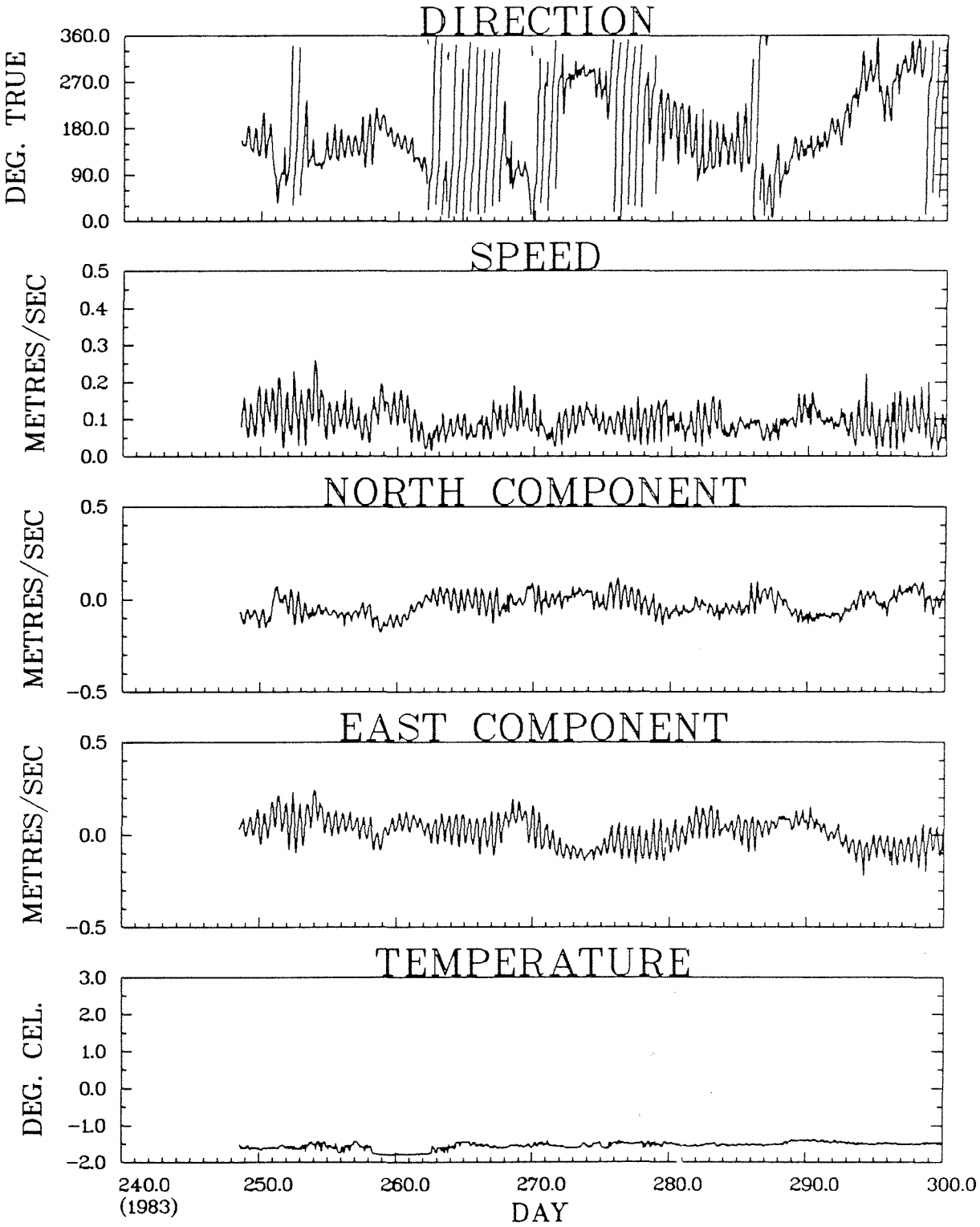
N.B. Mooring moved by iceberg - see mooring 580A for continuation.

RECORD LENGTH STATISTICS

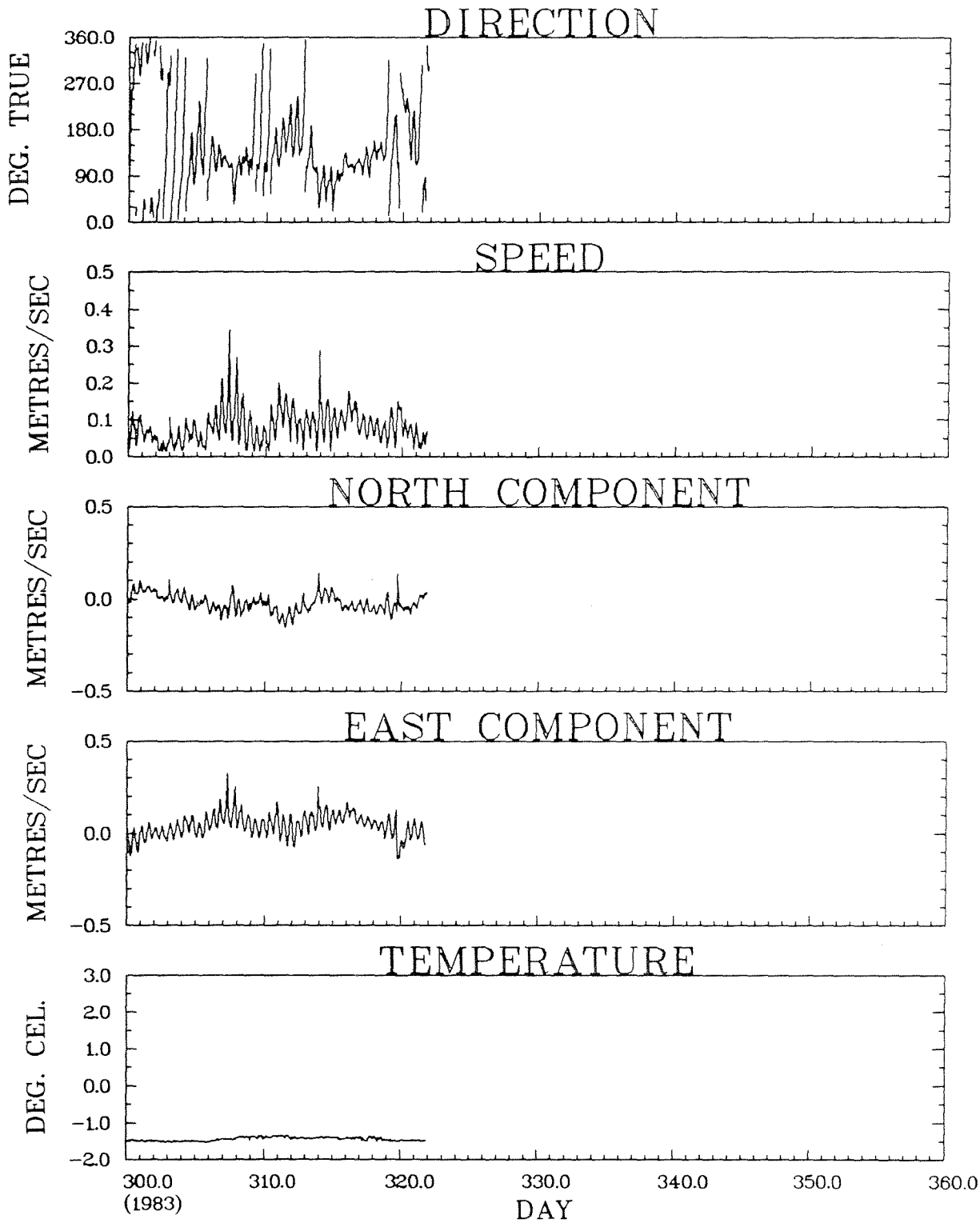
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	1759	175	179	176	0.5
Temperature (T)	°C	1759	-1.80	-1.34	-1.52	0.09
Speed (R)	ms^{-1}	1759	0.015	0.344	0.092	0.041
Northeast Component (V)	ms^{-1}	1759	-.184	0.278	-.005	0.058
Southeast Component (U)	ms^{-1}	1759	-.160	0.307	0.036	0.074

MONTHLY MEANS

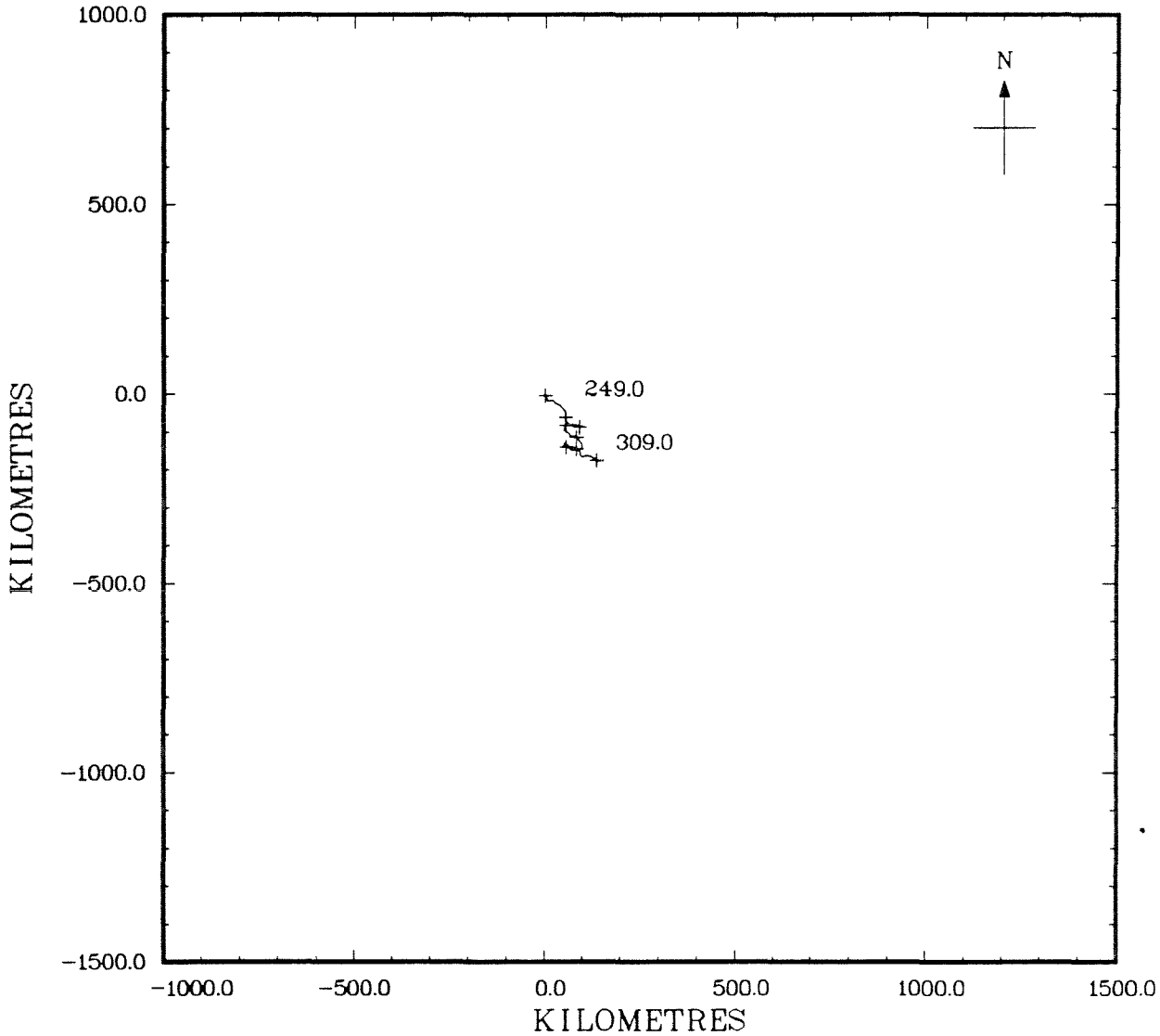
	Samples	T	R	V	U
September	610	-1.60±0.10	0.101±.042	-.000±.061	0.052±.074
October	744	-1.49±0.04	0.085±.036	-.020±.056	0.007±.071
November	405	-1.43±0.04	0.089±.047	0.014±.052	0.063±.057



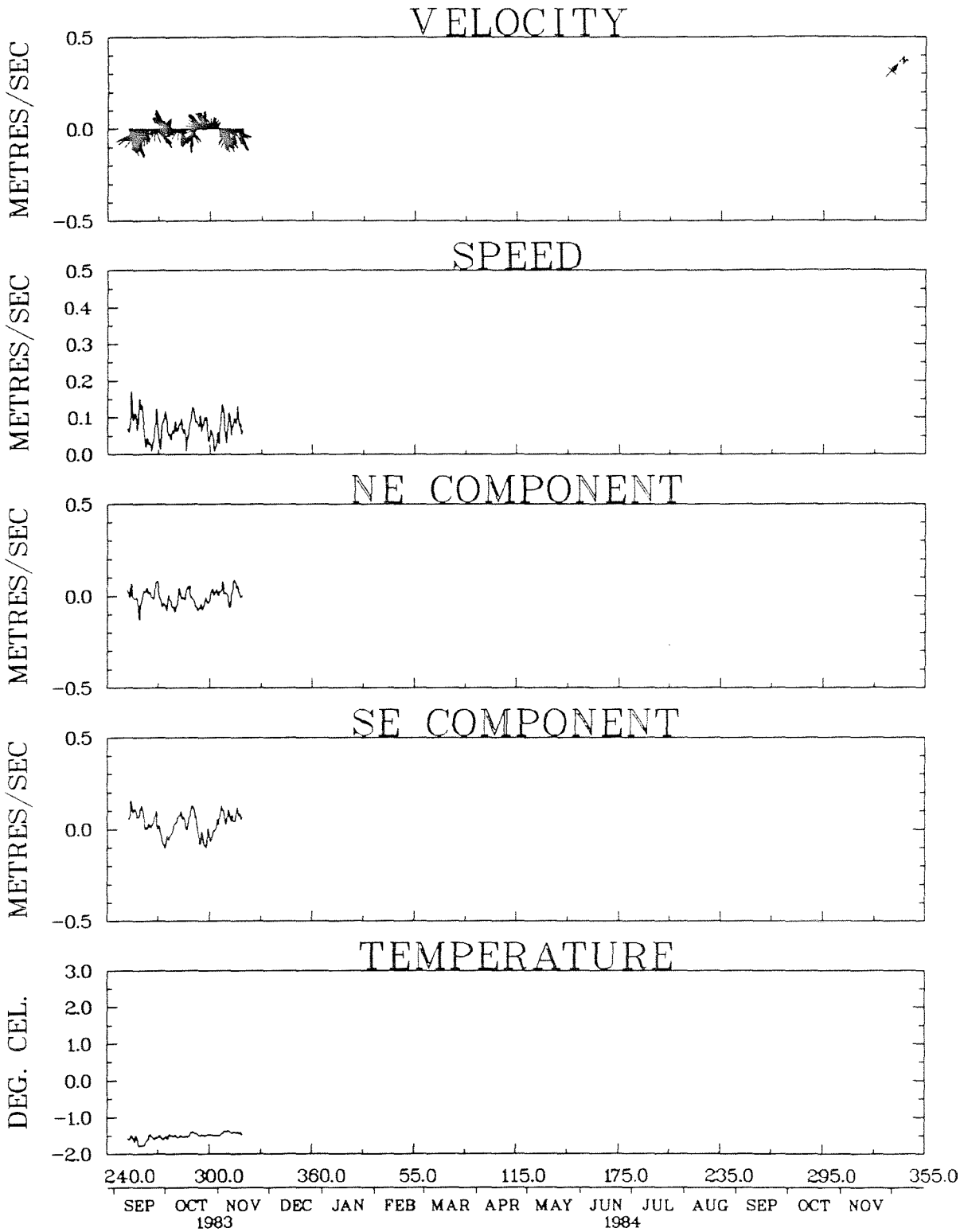
MOORING 580 AT 172M
NORTHWEST BAFFIN BAY 1983/4



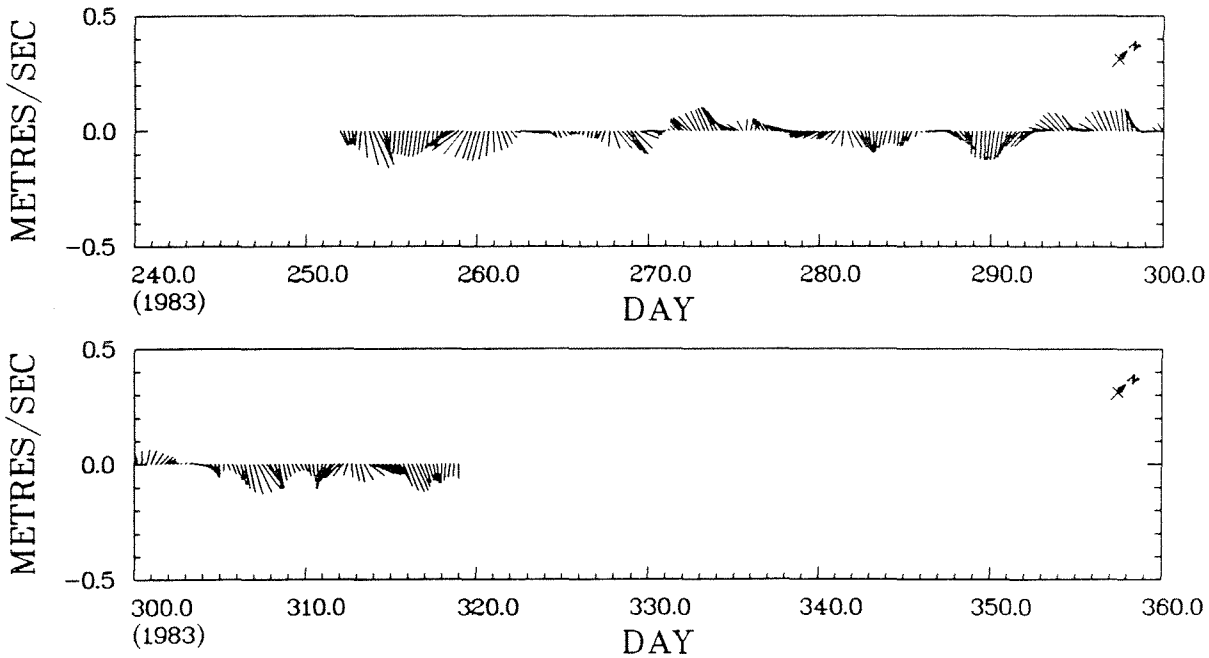
MOORING 580 AT 172M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 172M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 172M – LOW PASS
NORTHWEST BAFFIN BAY 1983/4

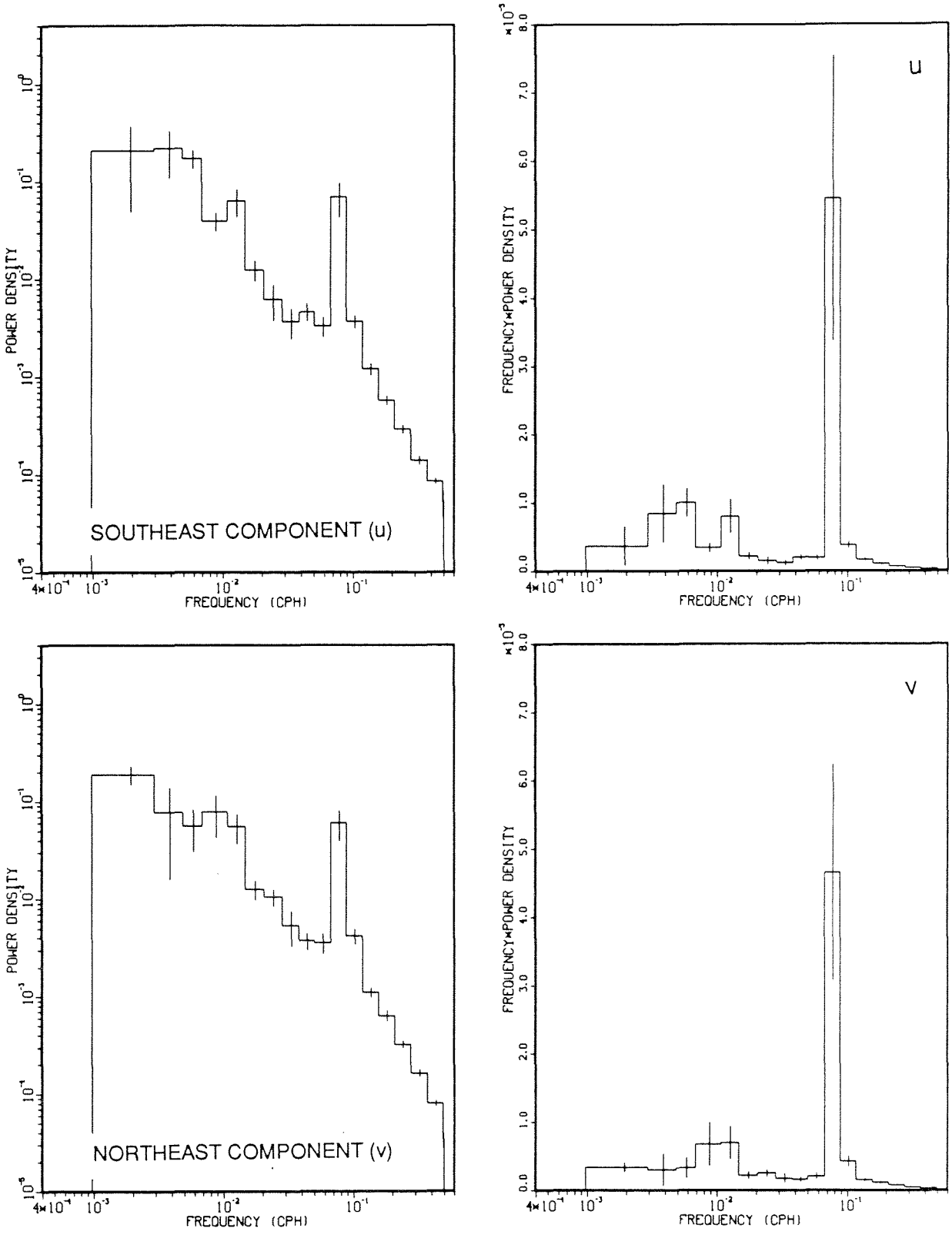


MOORING 580 AT 172M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 172 m

Tidal Analysis
73.3 d centered at day 285, 1983

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.004	.002	154	65	C	.002	299	.004	55
O1	.003	.002	114	14	C	.002	313	.003	28
M2	.055	.022	94	255	C	.040	231	.043	274
S2	.022	.005	92	306	C	.016	294	.017	316
N2	.008	.001	84	236	A	.006	242	.005	227
MF	.012	.003	141	3	C	.004	254	.012	2
M4	.001	.001	36	173	C	.001	178	.001	278
MS4	.001	.001	162	156	C	.001	37	.001	131



MOORING 580 AT 172M
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 472 m

Latitude	71° 50.2N	Deployment	1245Z 5 Sept., 1983
Longitude	71° 23.1W	Recovery	1050Z 30 Sept., 1984
Water Depth	487 m	Duration	390 d

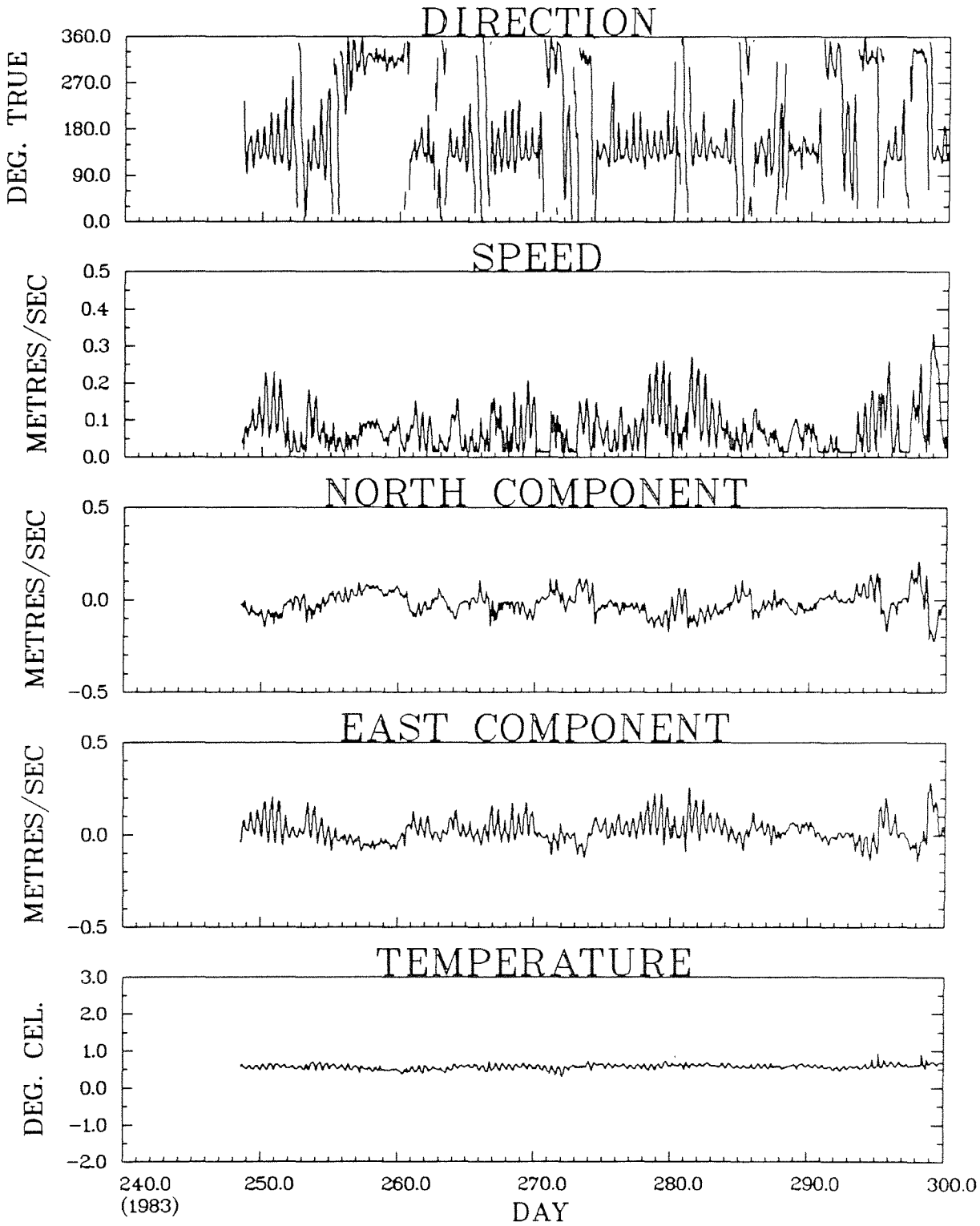
N.B. Mooring moved by iceberg - see mooring 580A for continuation.

RECORD LENGTH STATISTICS

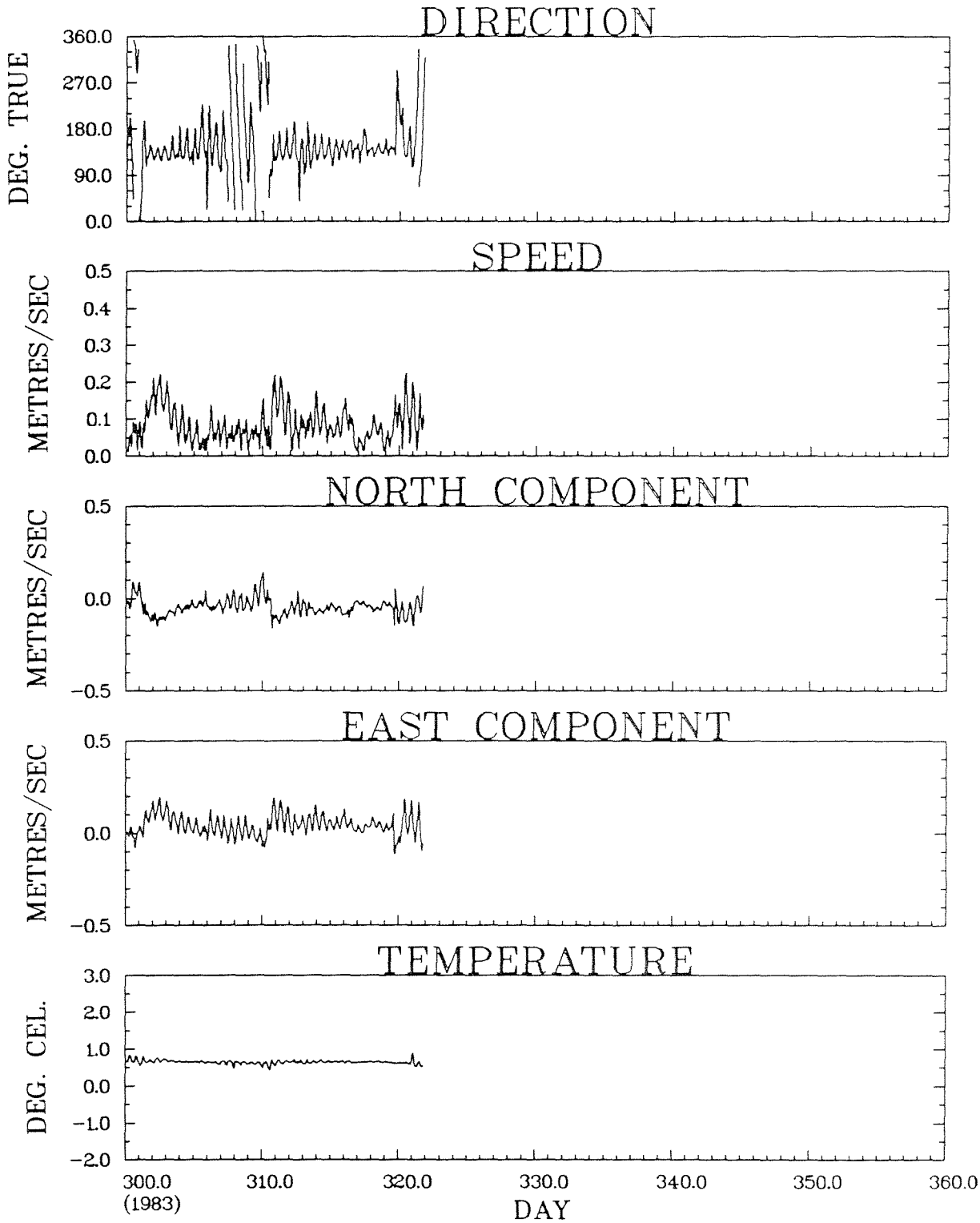
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	1759	476	481	477	0.8
Temperature (T)	°C	1759	0.31	0.93	0.59	0.07
Speed (R)	ms^{-1}	1759	0.015	0.334	0.078	0.055
Northeast Component (V)	ms^{-1}	1759	-.160	0.174	0.001	0.033
Southeast Component (U)	ms^{-1}	1759	-.251	0.326	0.040	0.080

MONTHLY MEANS

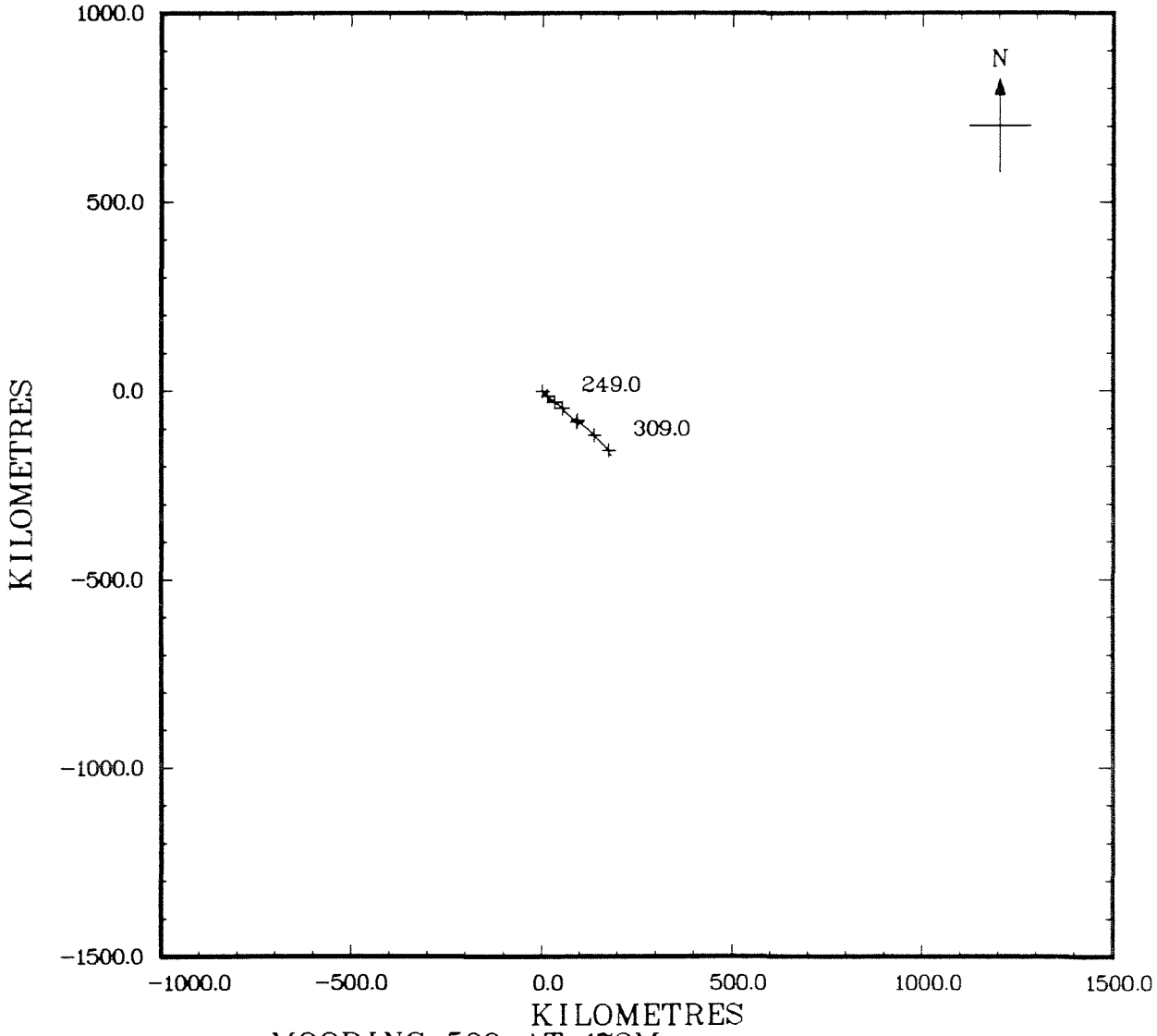
	Samples	T	R	V	U
September	610	0.54±0.07	0.068±.047	0.002±.032	0.018±.074
October	744	0.61±0.06	0.084±.065	0.004±.031	0.048±.090
November	405	0.63±0.05	0.079±.044	-.004±.037	0.057±.059



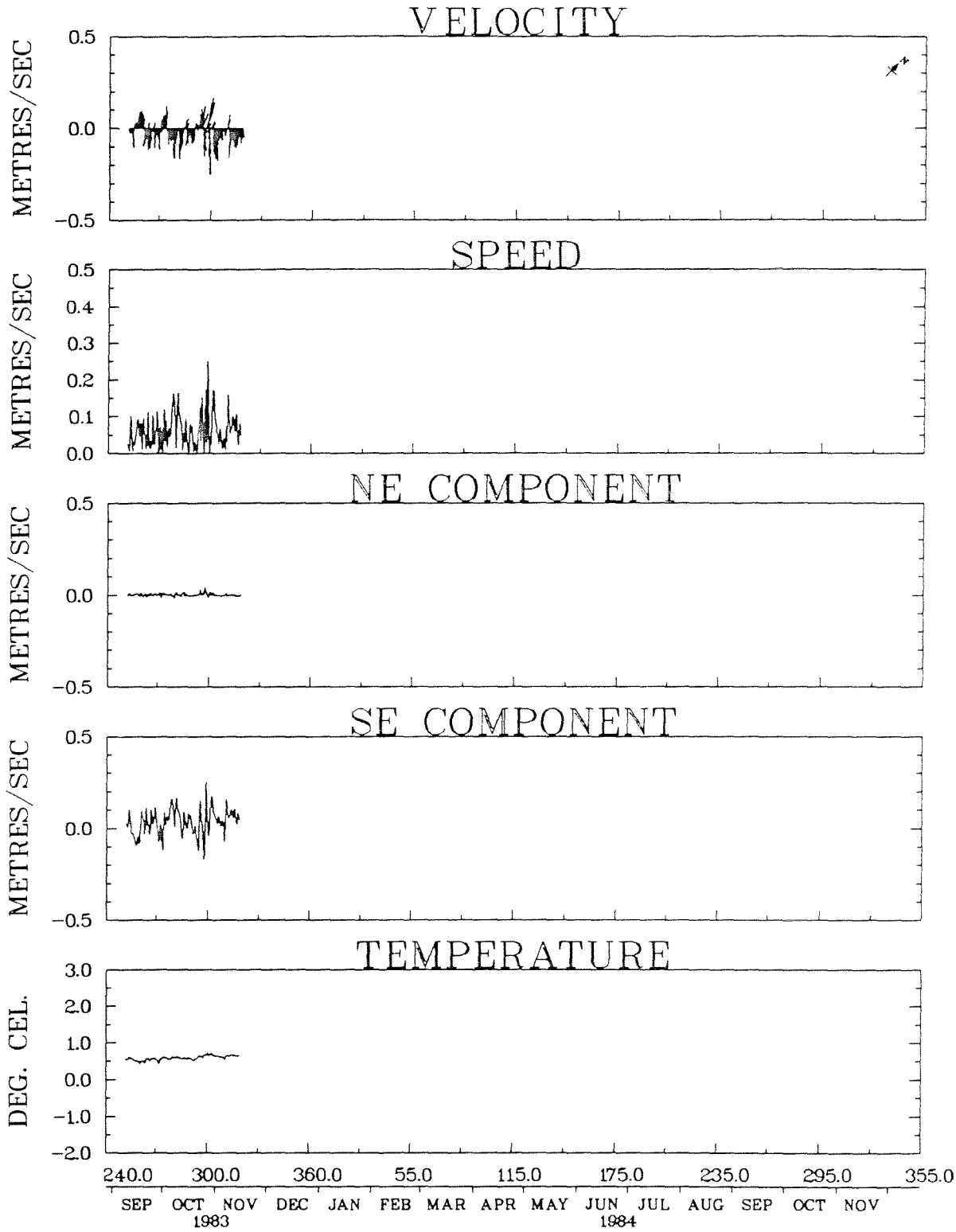
MOORING 580 AT 472M
NORTHWEST BAFFIN BAY 1983/4



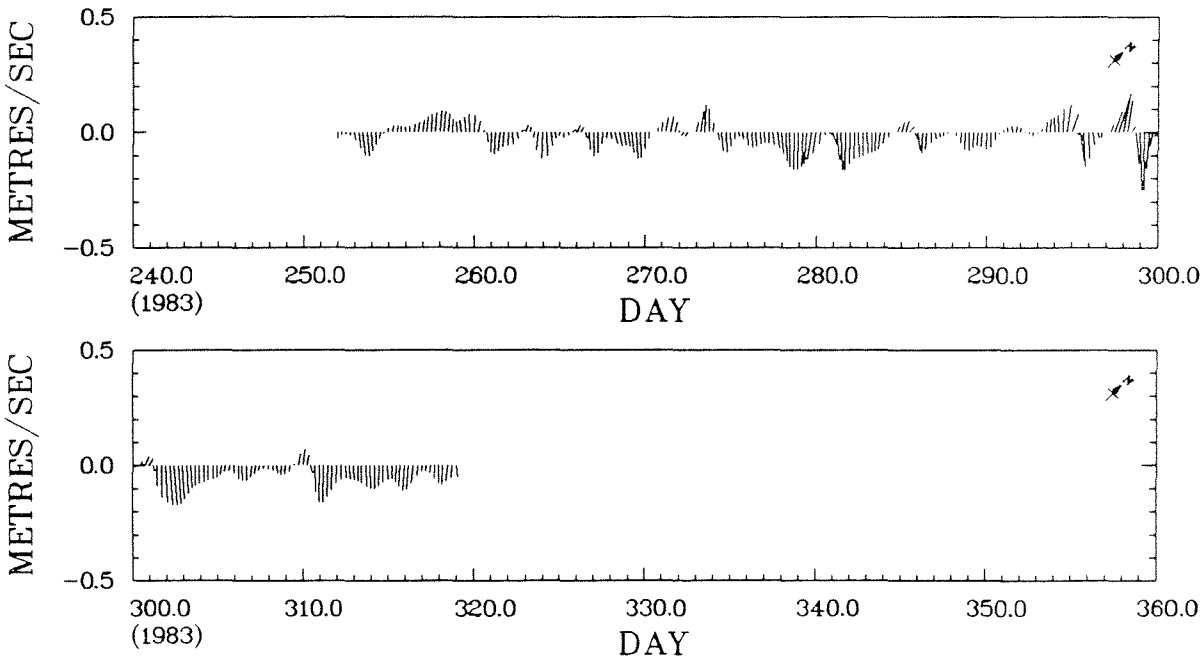
MOORING 580 AT 472M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 472M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580 AT 472M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

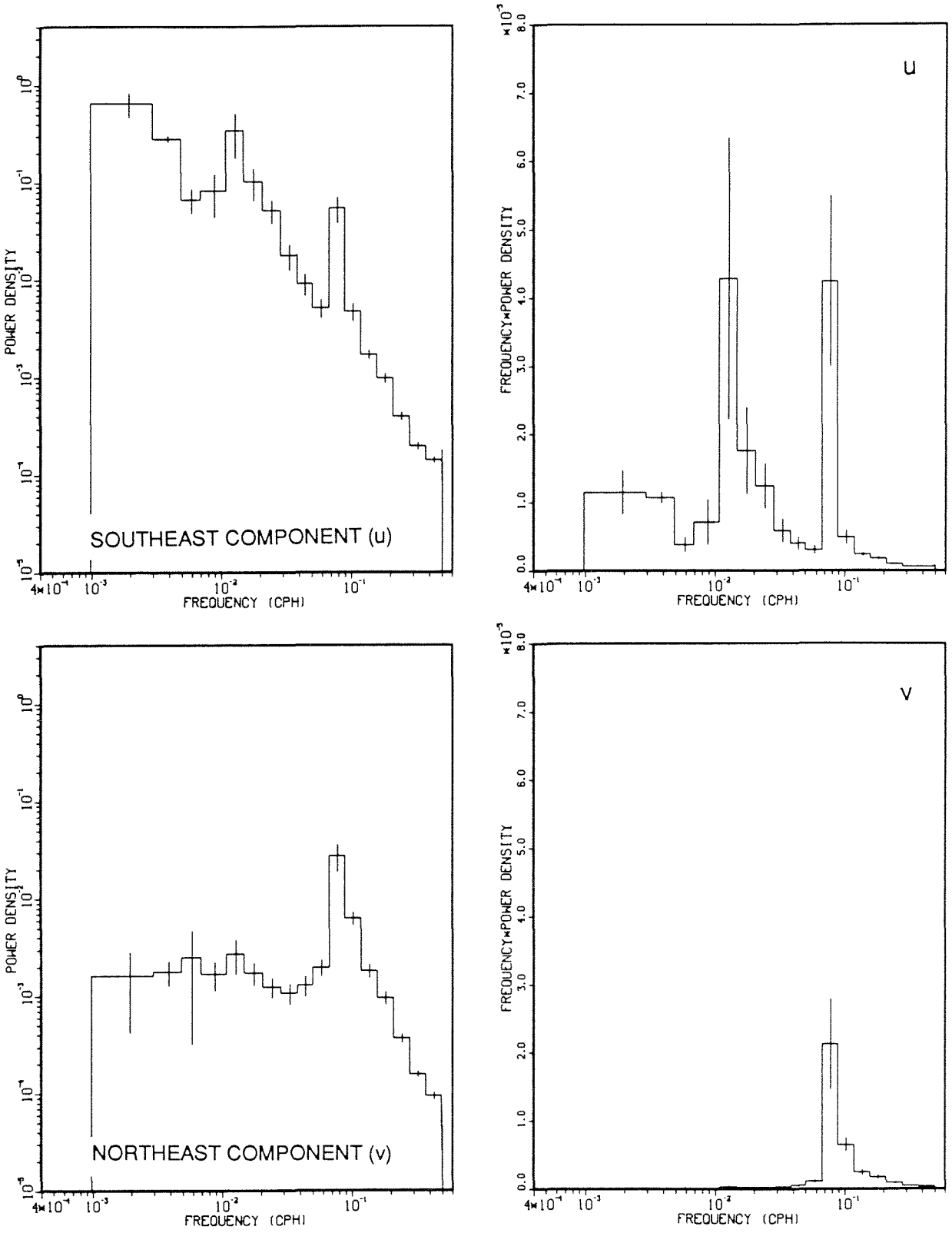


MOORING 580 AT 472M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580
Depth 472 m

Tidal Analysis
73.3 d centered at day 285, 1983

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.003	.001	143	354	C	.001	237	.003	352
O1	.007	.001	118	249	C	.002	226	.007	252
M2	.039	.017	103	211	A	.025	246	.034	196
S2	.021	.009	107	251	A	.013	289	.019	239
N2	.017	.003	95	192	A	.011	205	.013	183
MF	.021	.000	145	307	C	.004	127	.021	307
M4	.002	.001	60	35	C	.002	27	.001	96
MS4	.001	.000	20	87	A	.001	84	.001	280



MOORING 580 AT 472M
NORTHWEST BAFFIN BAY 1983/4

Mooring 580A
Depth 463 m

Latitude	71° 45.3N	Deployment	1245Z 5 Sept., 1983
Longitude	70° 38.4W	Recovery	1050Z 30 Sept., 1984
Water Depth	928 m	Duration	390 d

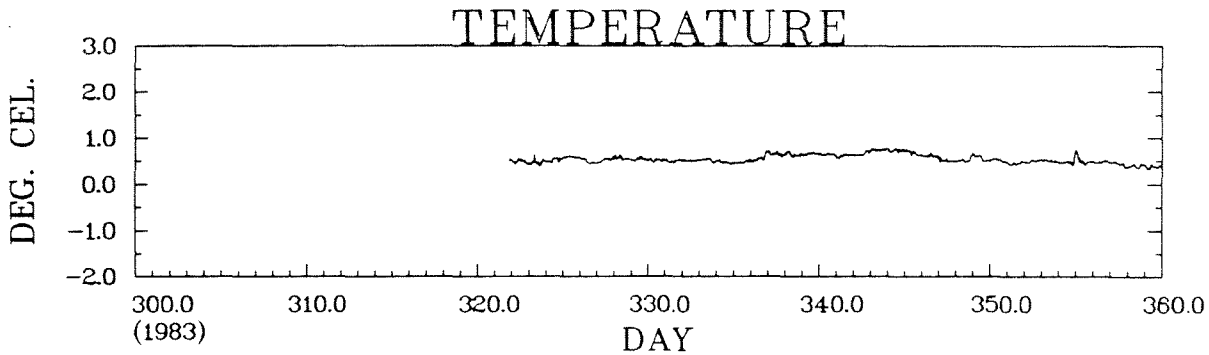
N.B. This is a continuation of mooring 580 at 22 m.
Rotor broken off by iceberg.

RECORD LENGTH STATISTICS

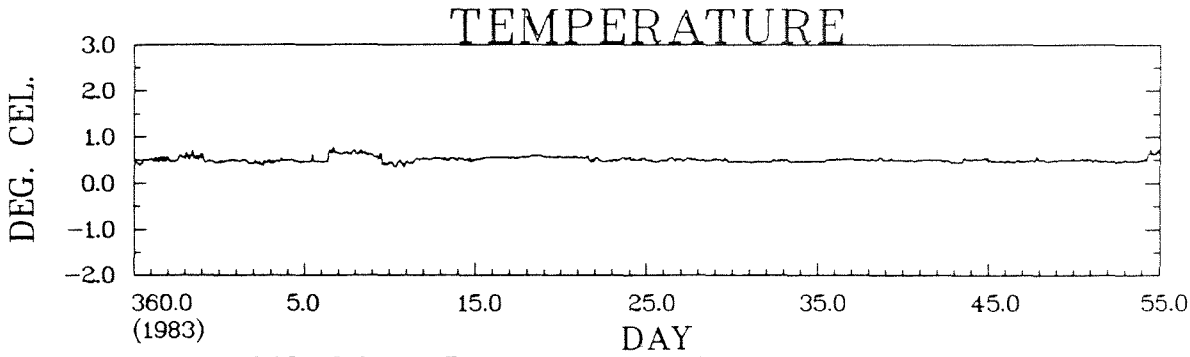
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7622	462	466	463	0.4
Temperature (T)	°C	7622	-0.14	0.96	0.50	0.13

MONTHLY MEANS

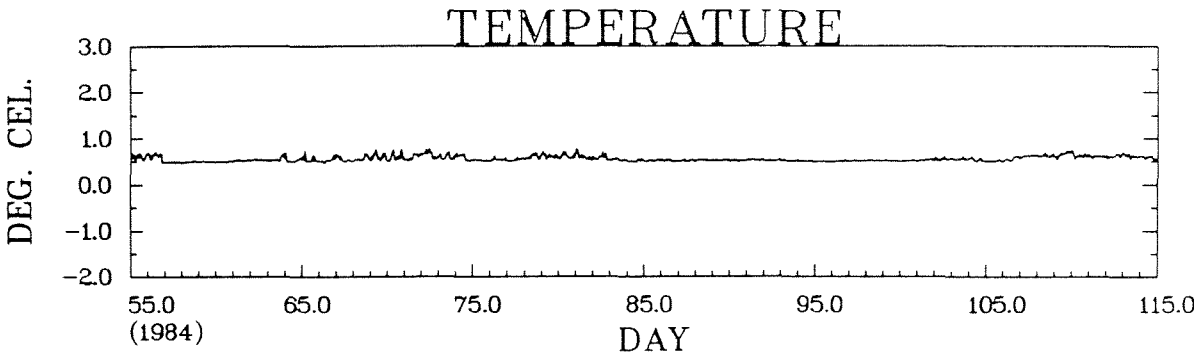
	Samples	T
November	315	0.52±0.05
December	744	0.55±0.10
January	744	0.52±0.06
February	696	0.51±0.05
March	744	0.55±0.06
April	720	0.58±0.08
May	744	0.69±0.11
June	720	0.53±0.09
July	744	0.40±0.10
August	744	0.33±0.09
September	707	0.37±0.10



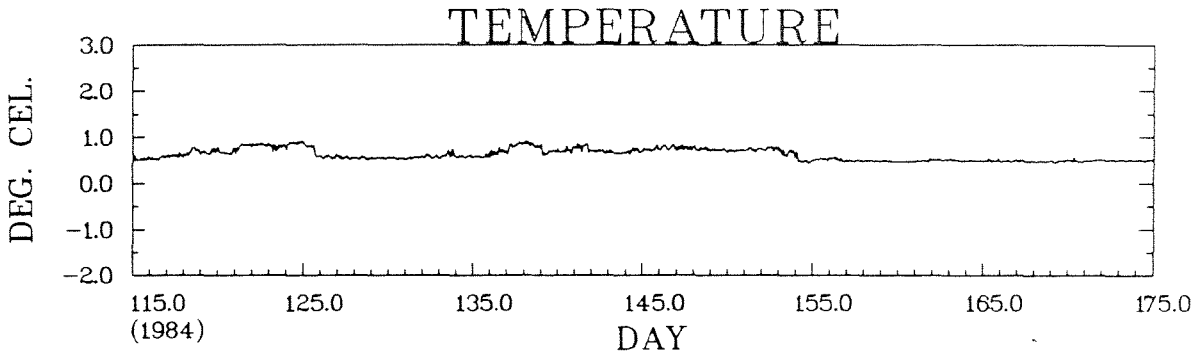
MOORING 580A AT 463M
NORTHWEST BAFFIN BAY 1983/4



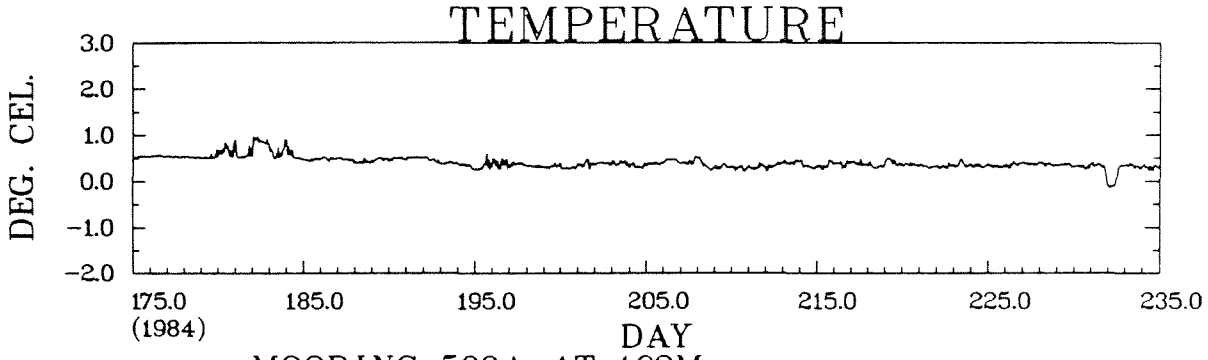
MOORING 580A AT 463M
NORTHWEST BAFFIN BAY 1983/4



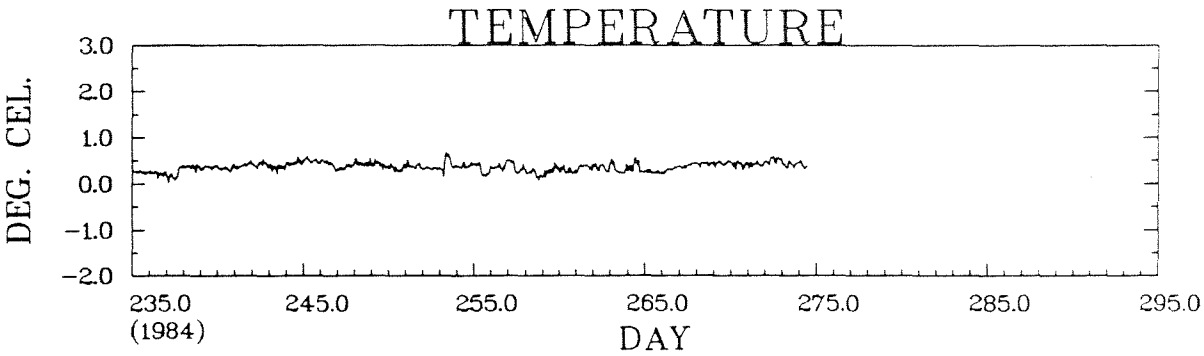
MOORING 580A AT 463M
NORTHWEST BAFFIN BAY 1983/4



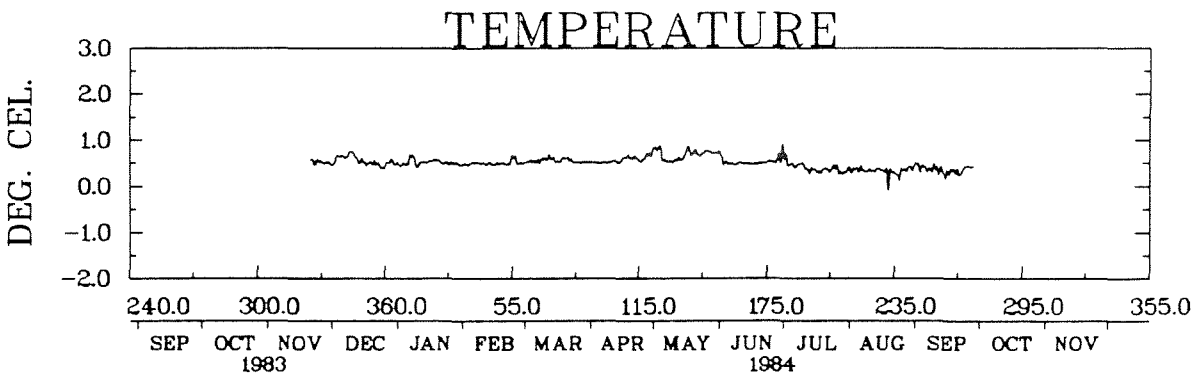
MOORING 580A AT 463M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 463M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 463M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 463M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580A
Depth 513 m

Latitude	71° 45.3N	Deployment	1245Z 5 Sept., 1983
Longitude	70° 38.4W	Recovery	1050Z 30 Sept., 1984
Water Depth	928 m	Duration	390 d

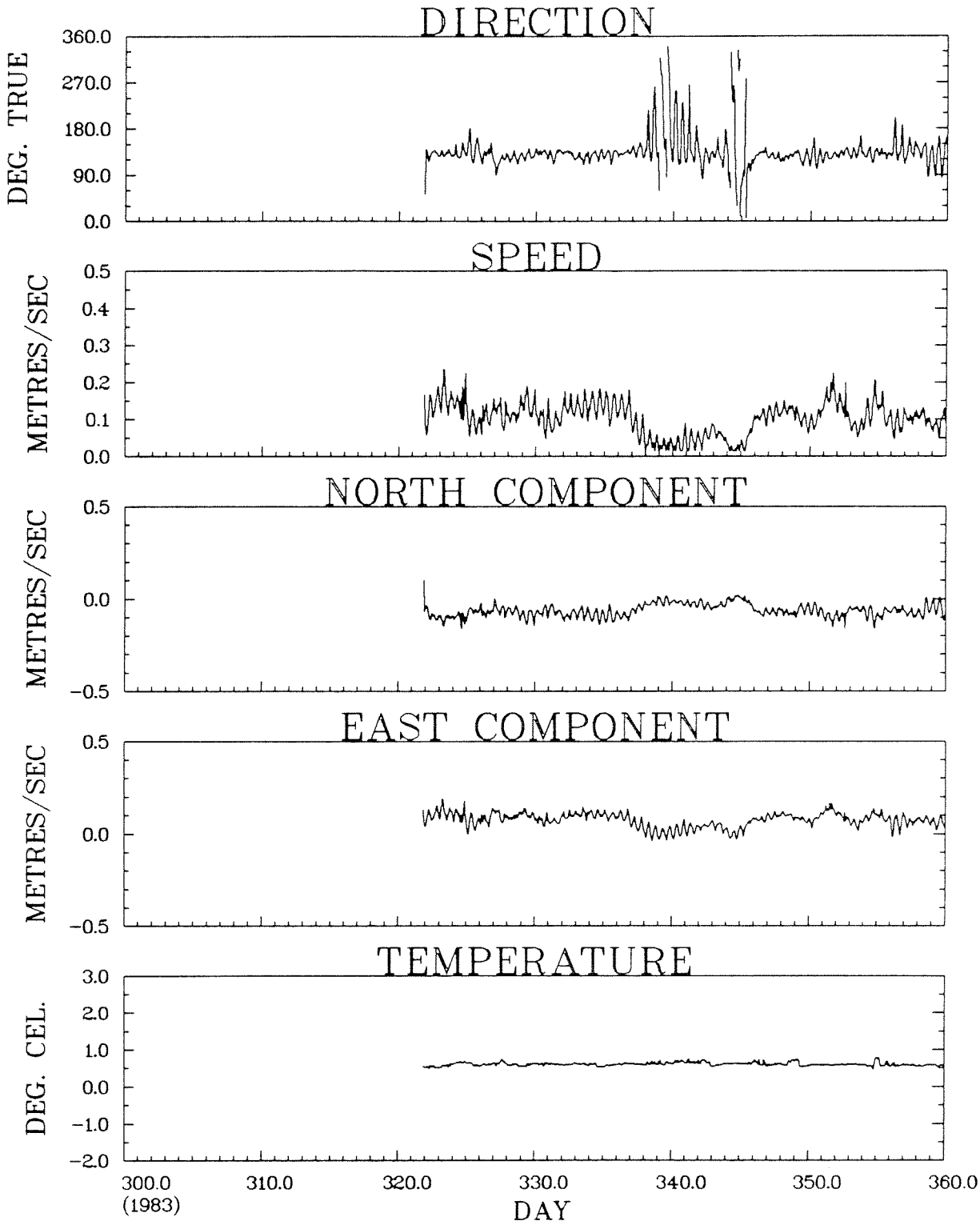
N.B. This is a continuation of mooring 580 at 72 m.

RECORD LENGTH STATISTICS

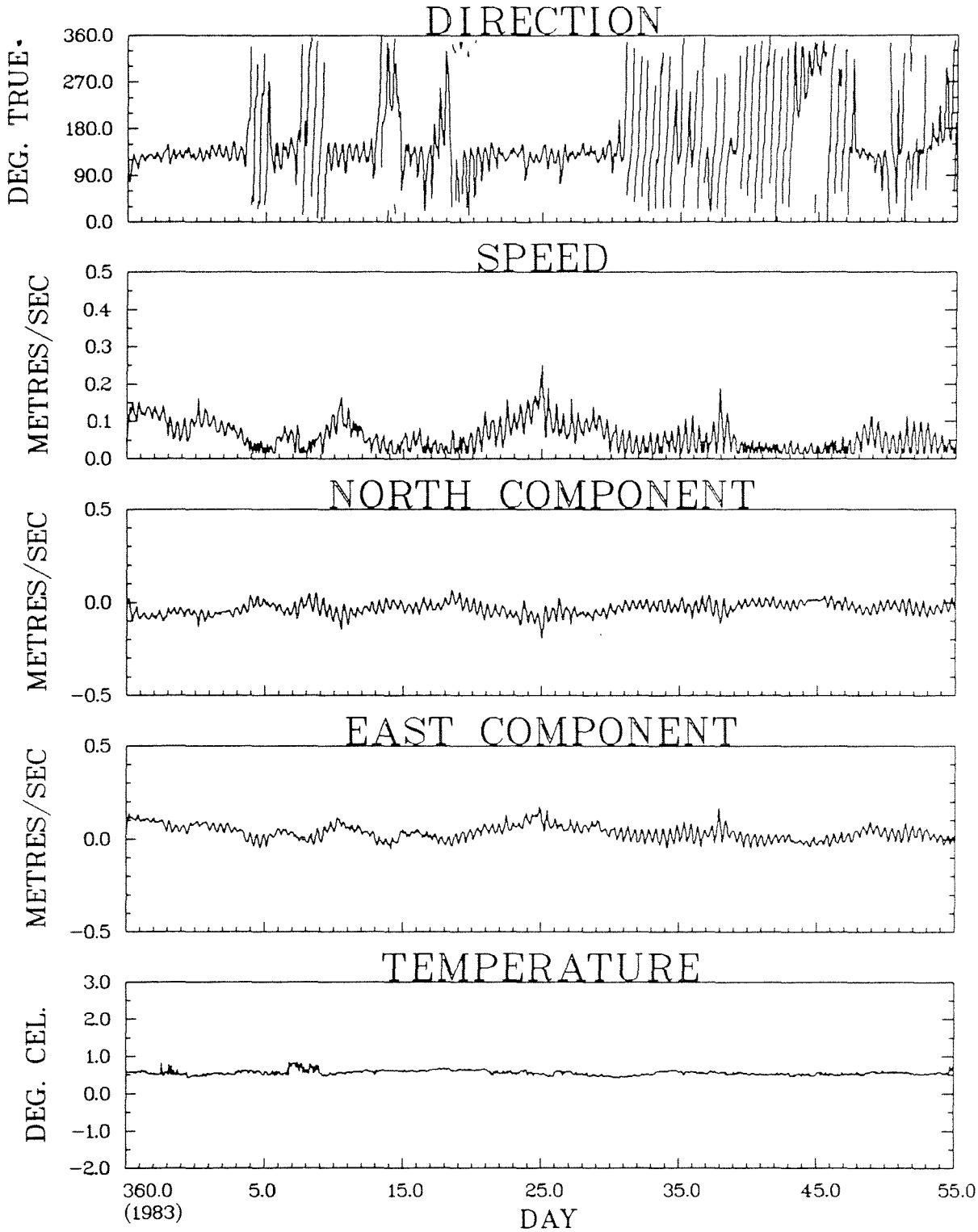
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7622	511	519	515	0.6
Temperature (T)	°C	7622	-0.09	1.09	0.58	0.12
Speed (R)	ms^{-1}	7622	0.015	0.683	0.084	0.063
Northeast Component (V)	ms^{-1}	7622	-.153	0.167	0.005	0.026
Southeast Component (U)	ms^{-1}	7622	-.109	0.666	0.069	0.075

MONTHLY MEANS

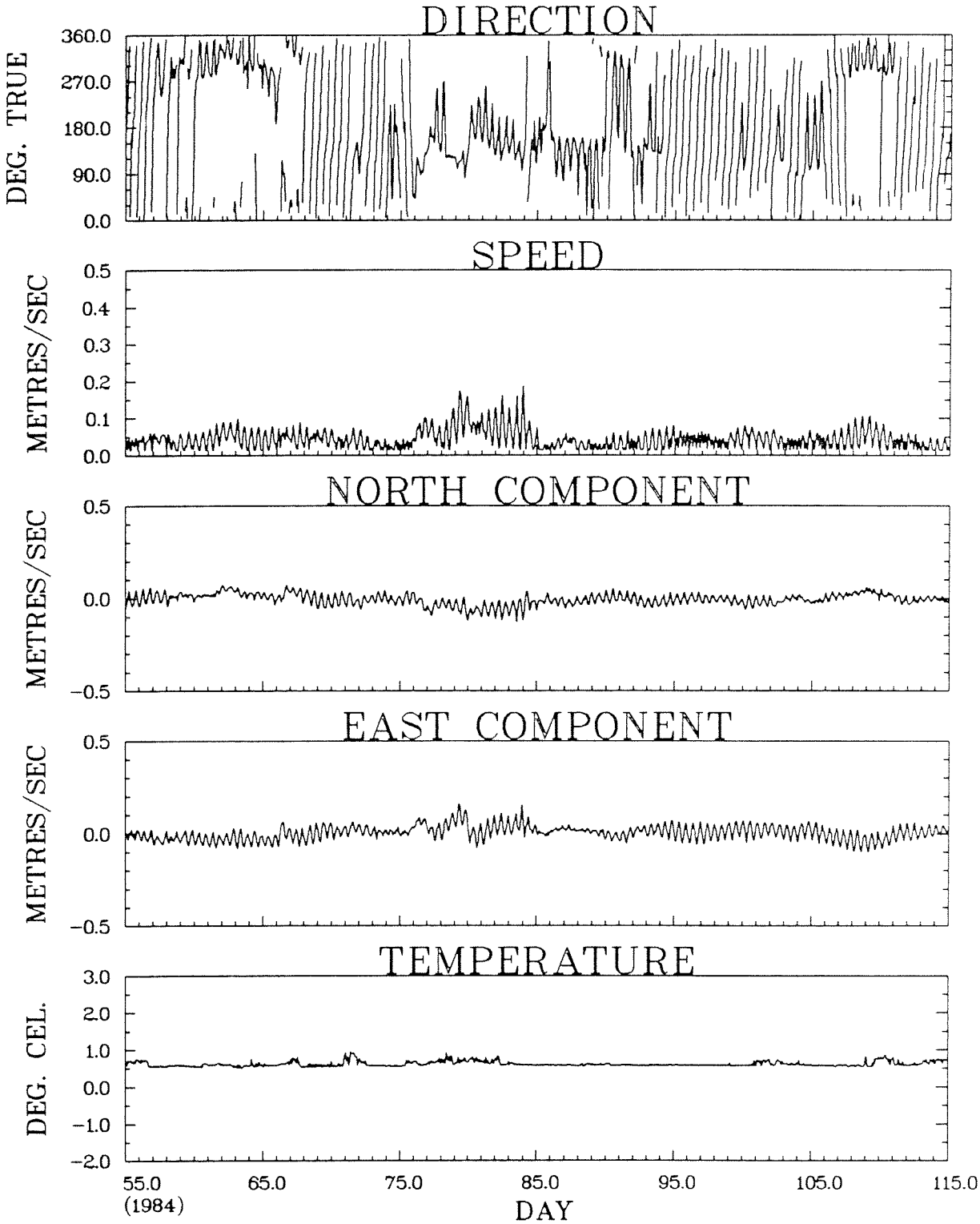
	Samples	T	R	V	U
November	315	0.60±0.04	0.124±.033	0.011±.023	0.121±.034
December	744	0.60±0.06	0.093±.042	0.008±.021	0.088±.046
January	744	0.58±0.07	0.065±.038	0.003±.022	0.054±.048
February	696	0.56±0.05	0.040±.025	-.002±.019	0.015±.041
March	744	0.62±0.07	0.049±.031	-.002±.024	0.014±.050
April	720	0.64±0.08	0.043±.023	-.002±.023	0.012±.041
May	744	0.78±0.08	0.039±.024	-.006±.021	0.011±.039
June	720	0.60±0.10	0.063±.037	0.002±.019	0.055±.043
July	744	0.45±0.07	0.097±.036	0.008±.020	0.094±.036
August	744	0.48±0.14	0.159±.051	0.018±.034	0.151±.060
September	707	0.49±0.11	0.177±.085	0.021±.038	0.170±.087



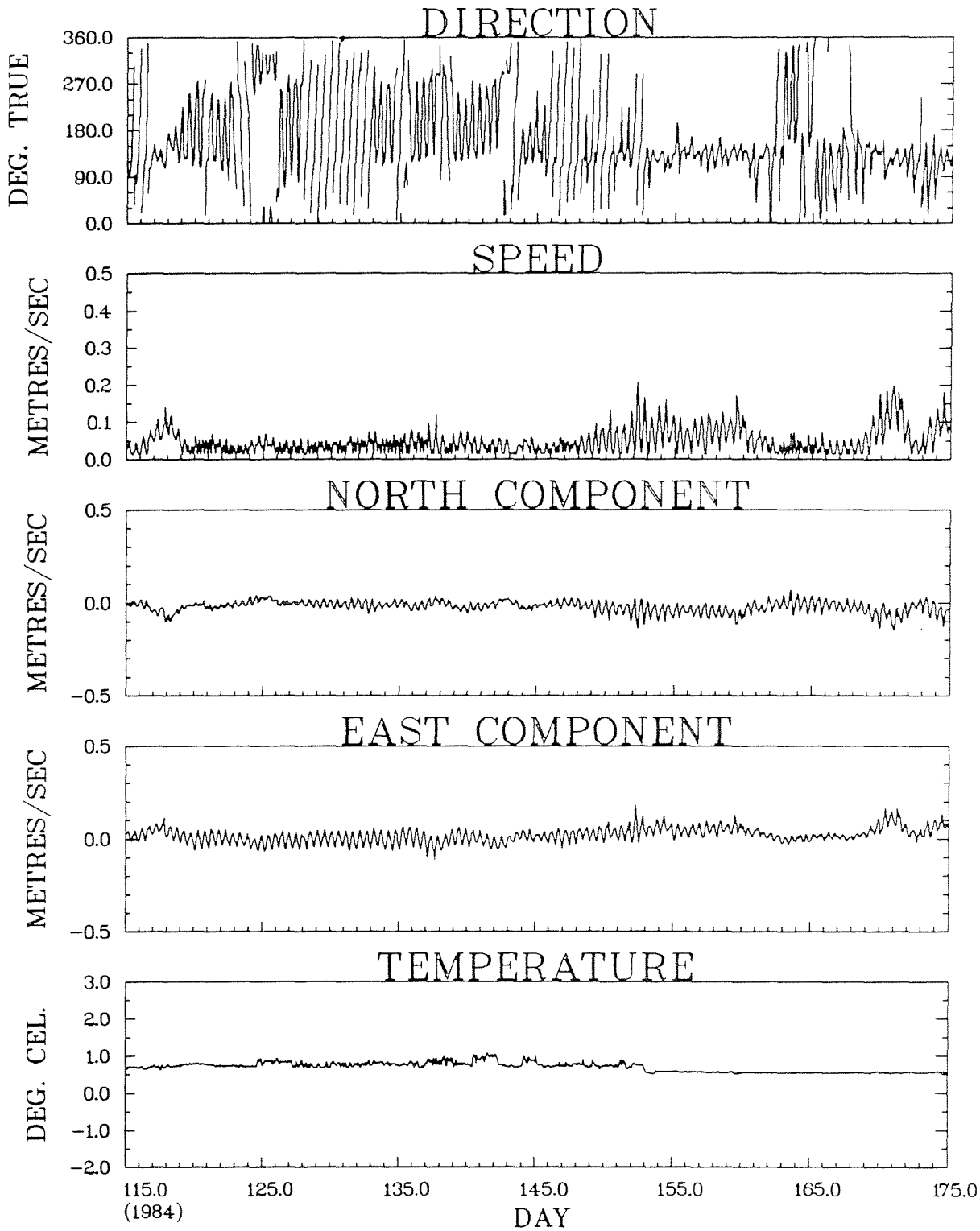
MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4



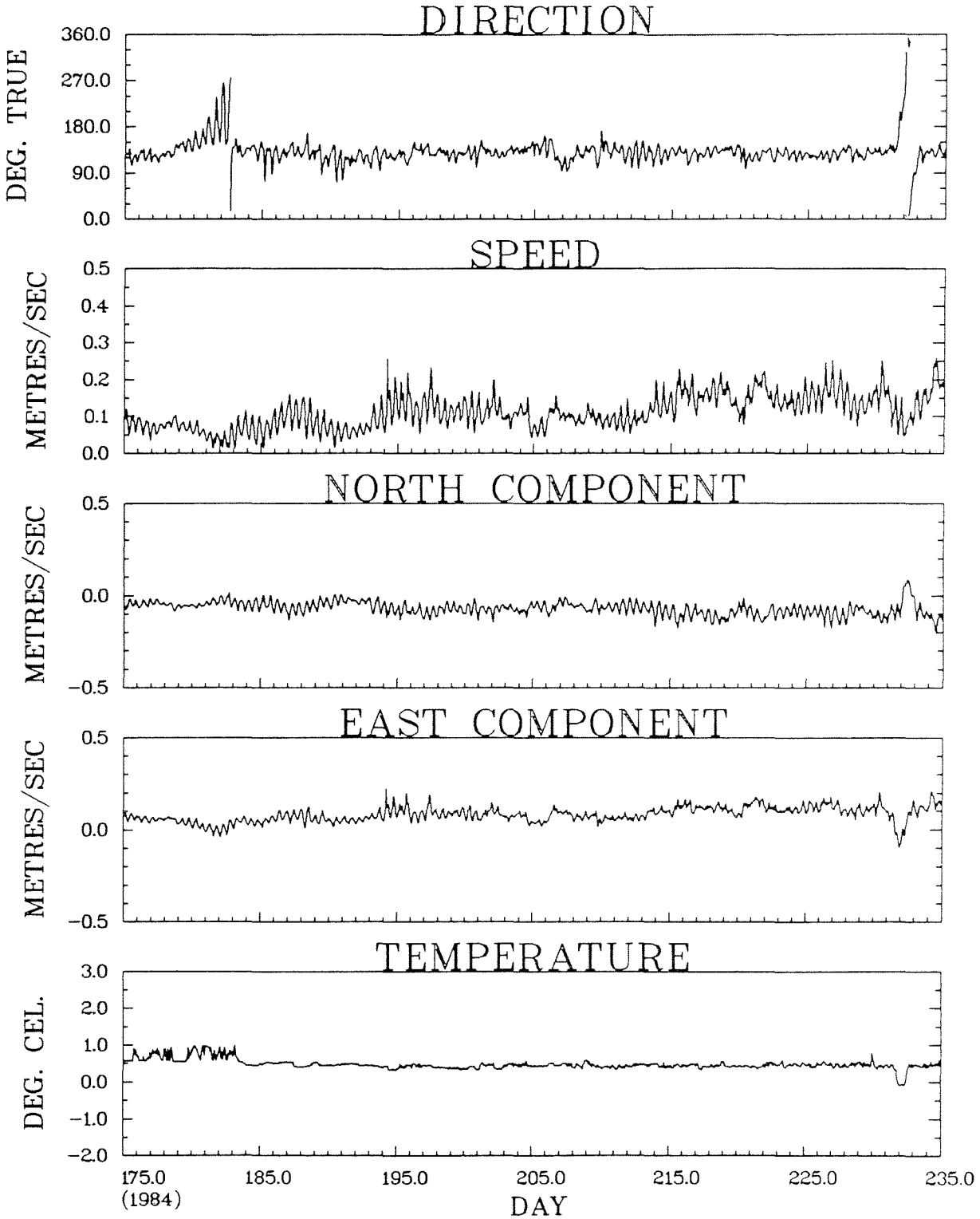
MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4



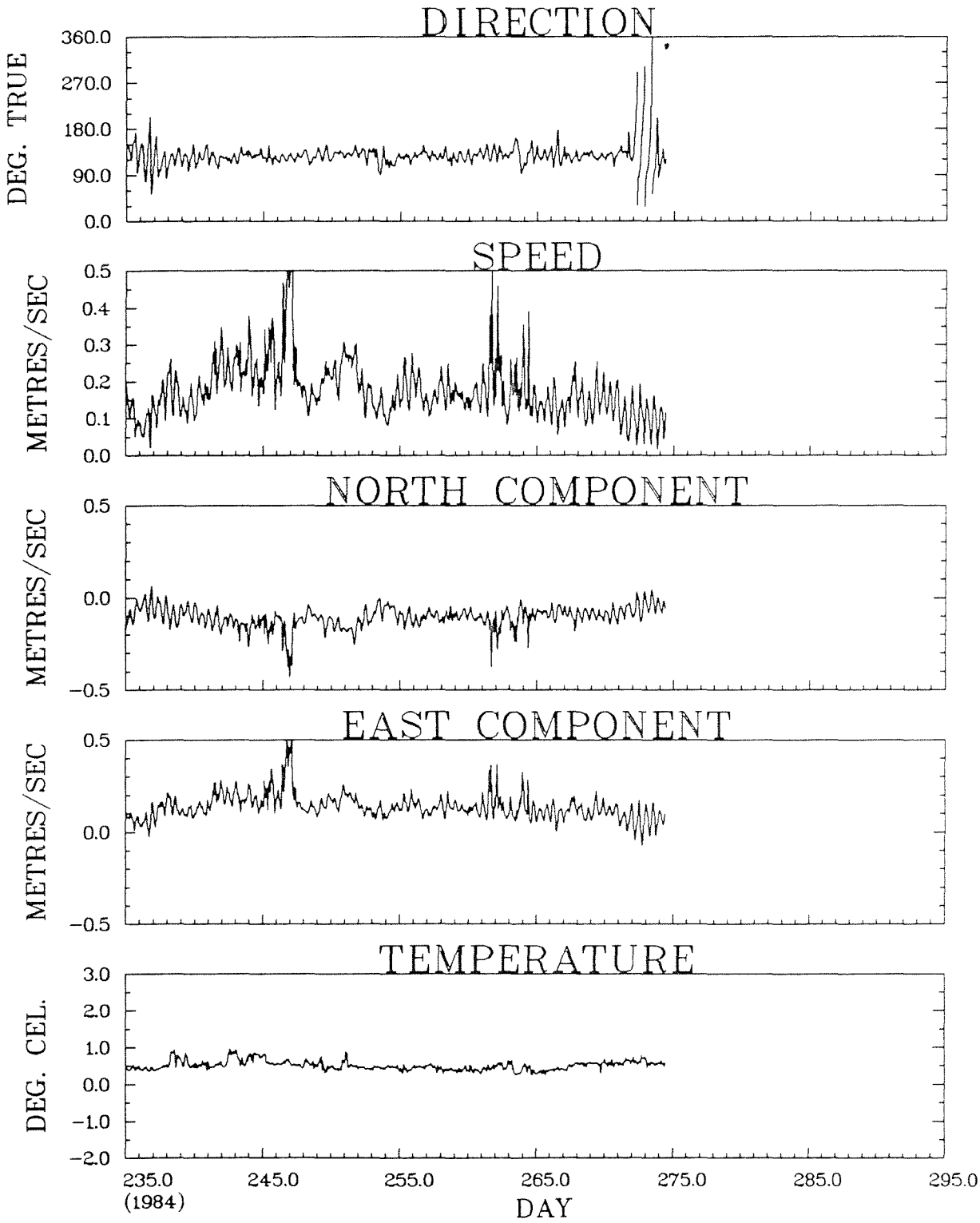
MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4



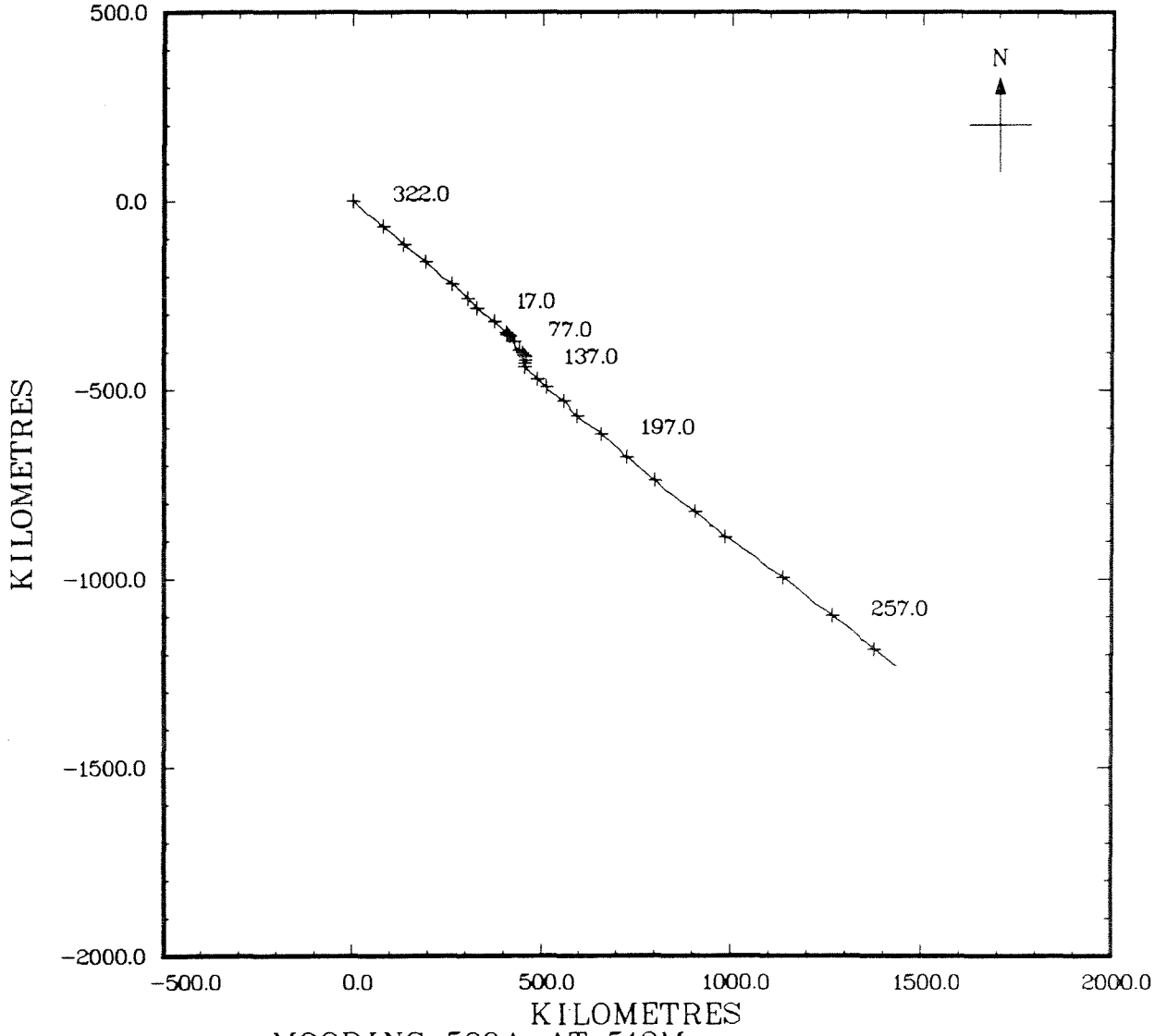
MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4



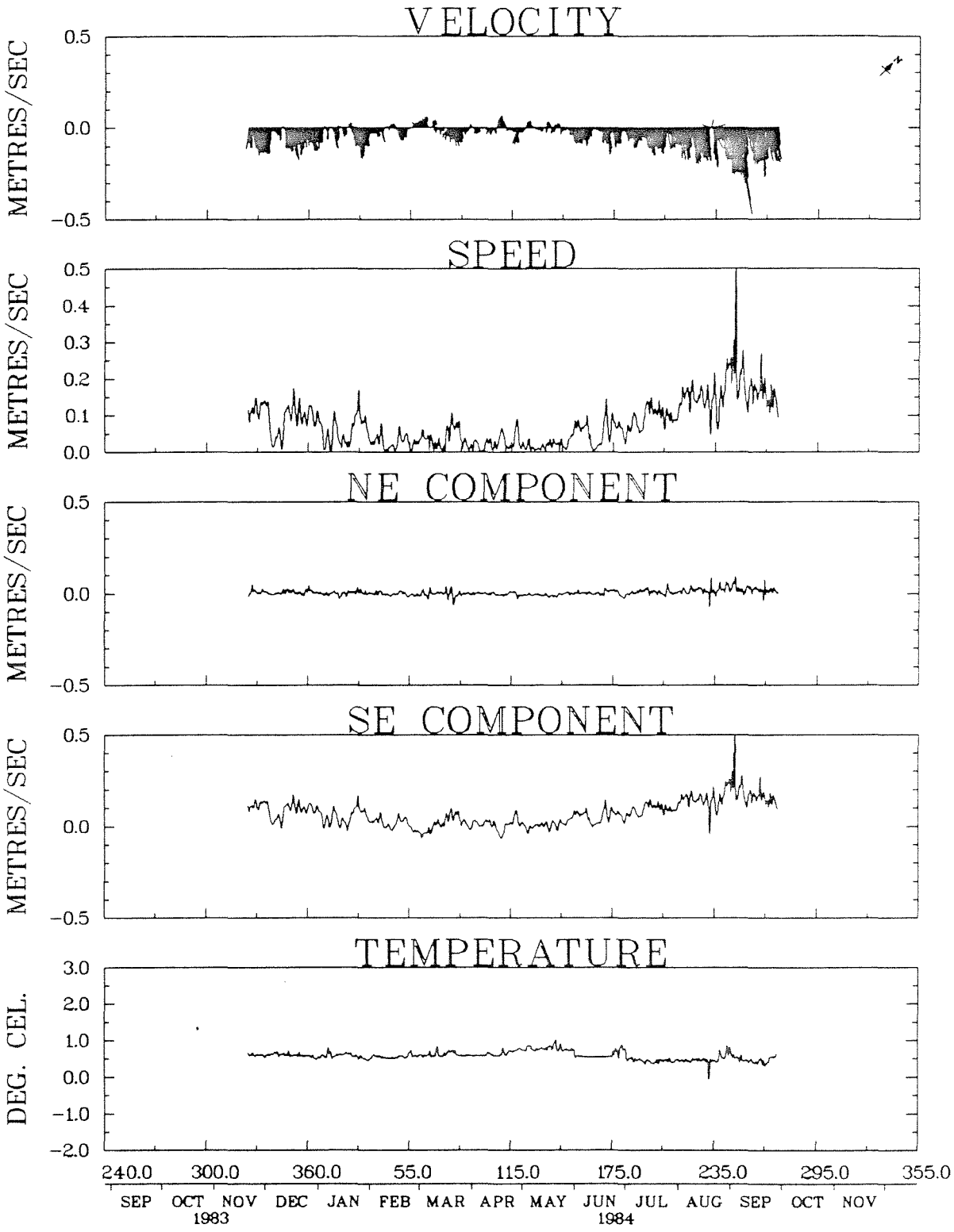
MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4



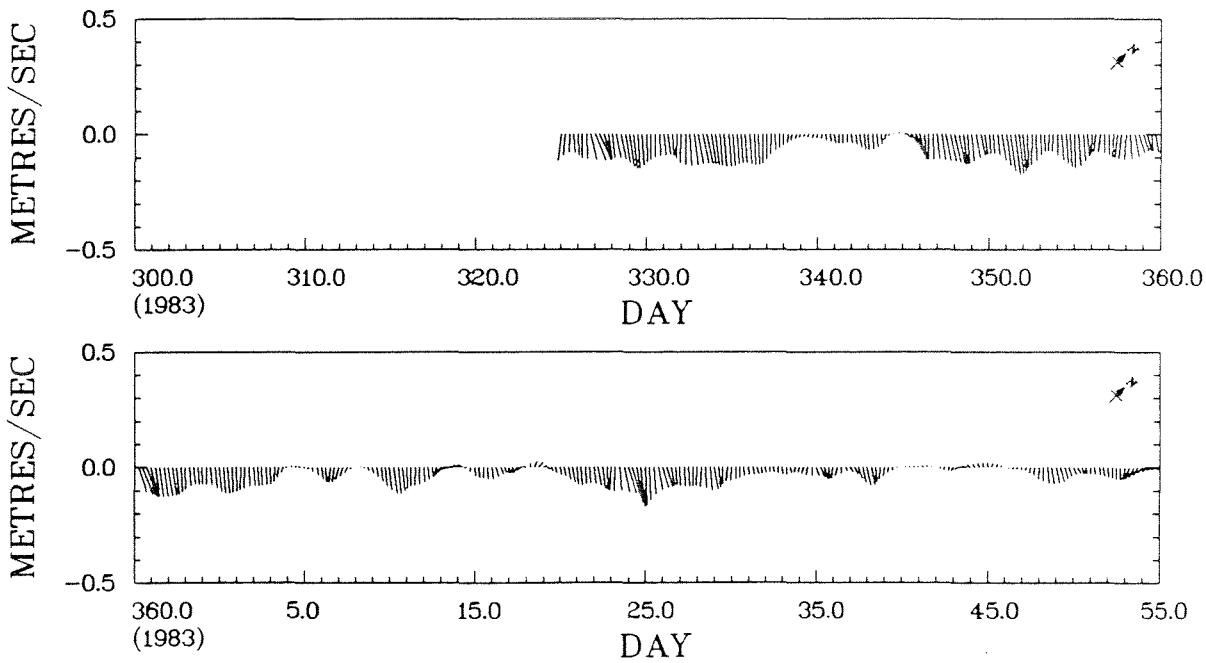
MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4



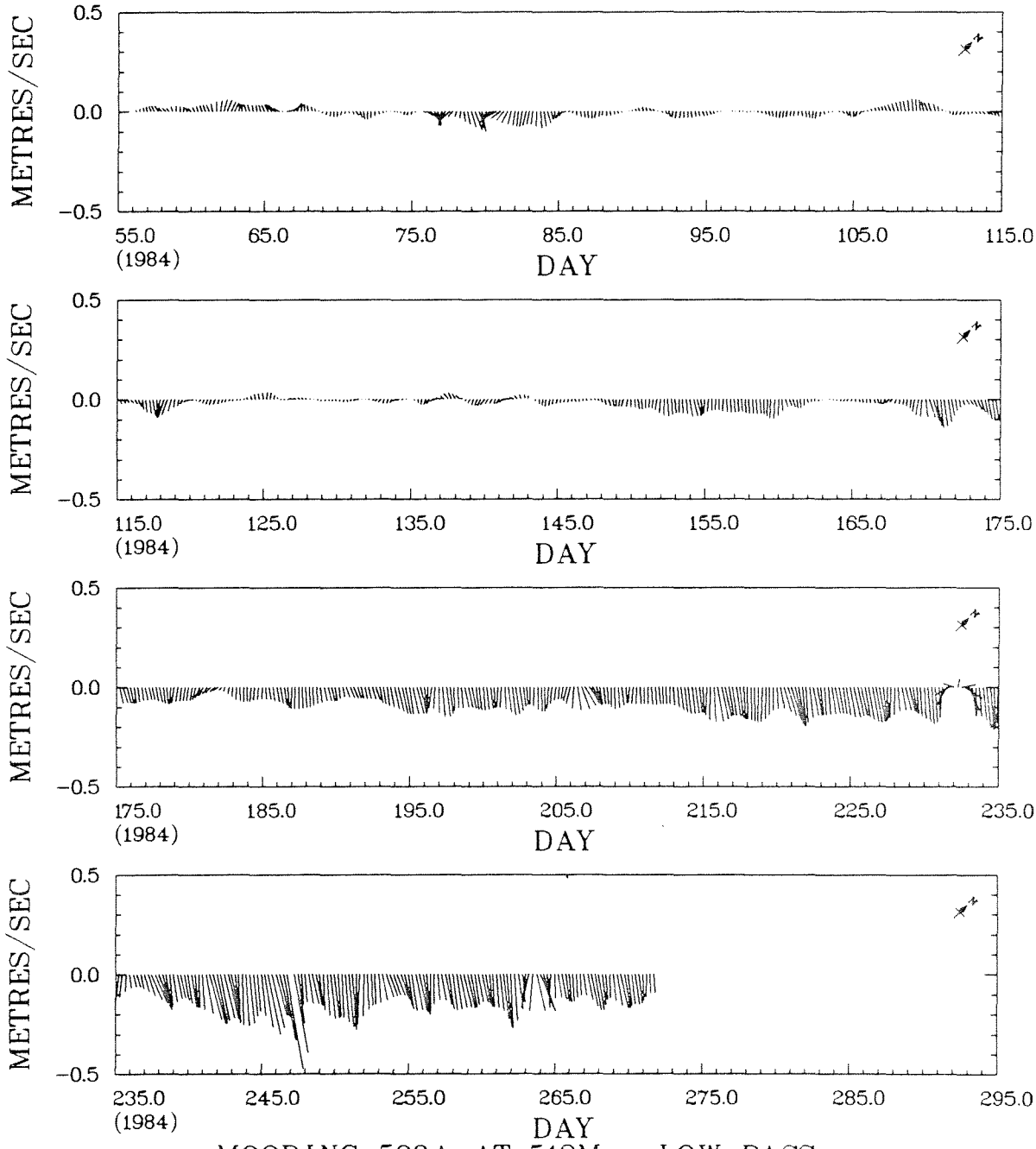
MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 513M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 513M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

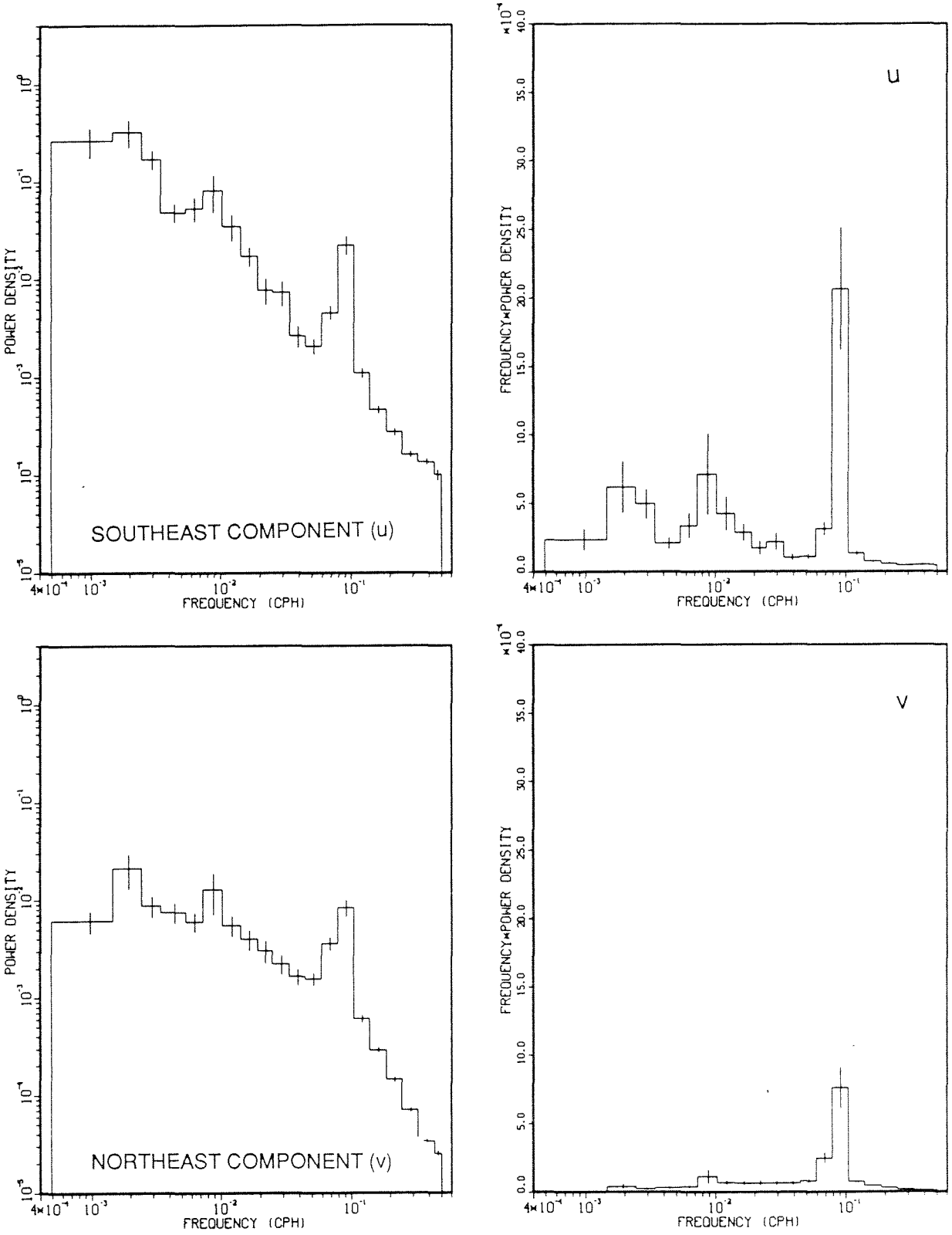


MOORING 580A AT 513M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580A
Depth 513 m

Tidal Analysis
317.6 d centered at day 115, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (^{o}T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.002	.000	49	350	C	.002	350	.000	25
O1	.000	.000	96	330	C	.000	284	.000	4
M2	.027	.004	135	217	A	.004	305	.027	217
S2	.011	.000	109	284	A	.005	286	.009	283
N2	.004	.001	139	185	A	.001	290	.004	186
MF	.009	.002	123	12	C	.002	331	.008	15
M4	.001	.000	40	286	C	.001	287	.000	33
MS4	.000	.000	143	200	A	.000	348	.000	201



MOORING 580A AT 513M
NORTHWEST BAFFIN BAY 1983/4

Mooring 580A
Depth 613 m

Latitude	71° 45.3N	Deployment	1245Z 5 Sept., 1983
Longitude	70° 38.4W	Recovery	1050Z 30 Sept., 1984
Water Depth	928 m	Duration	390 d

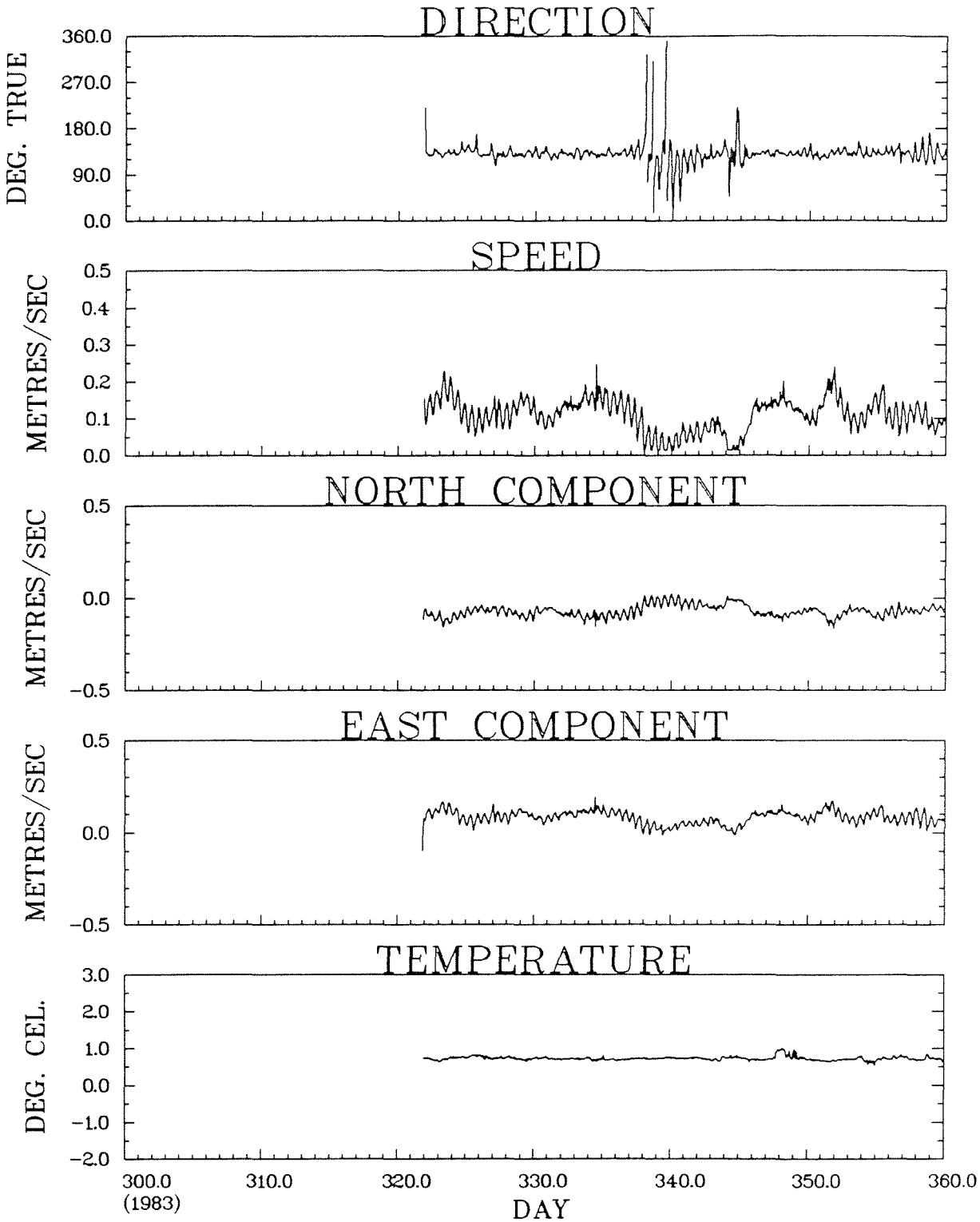
N.B. This is a continuation of mooring 580 at 172 m.

RECORD LENGTH STATISTICS

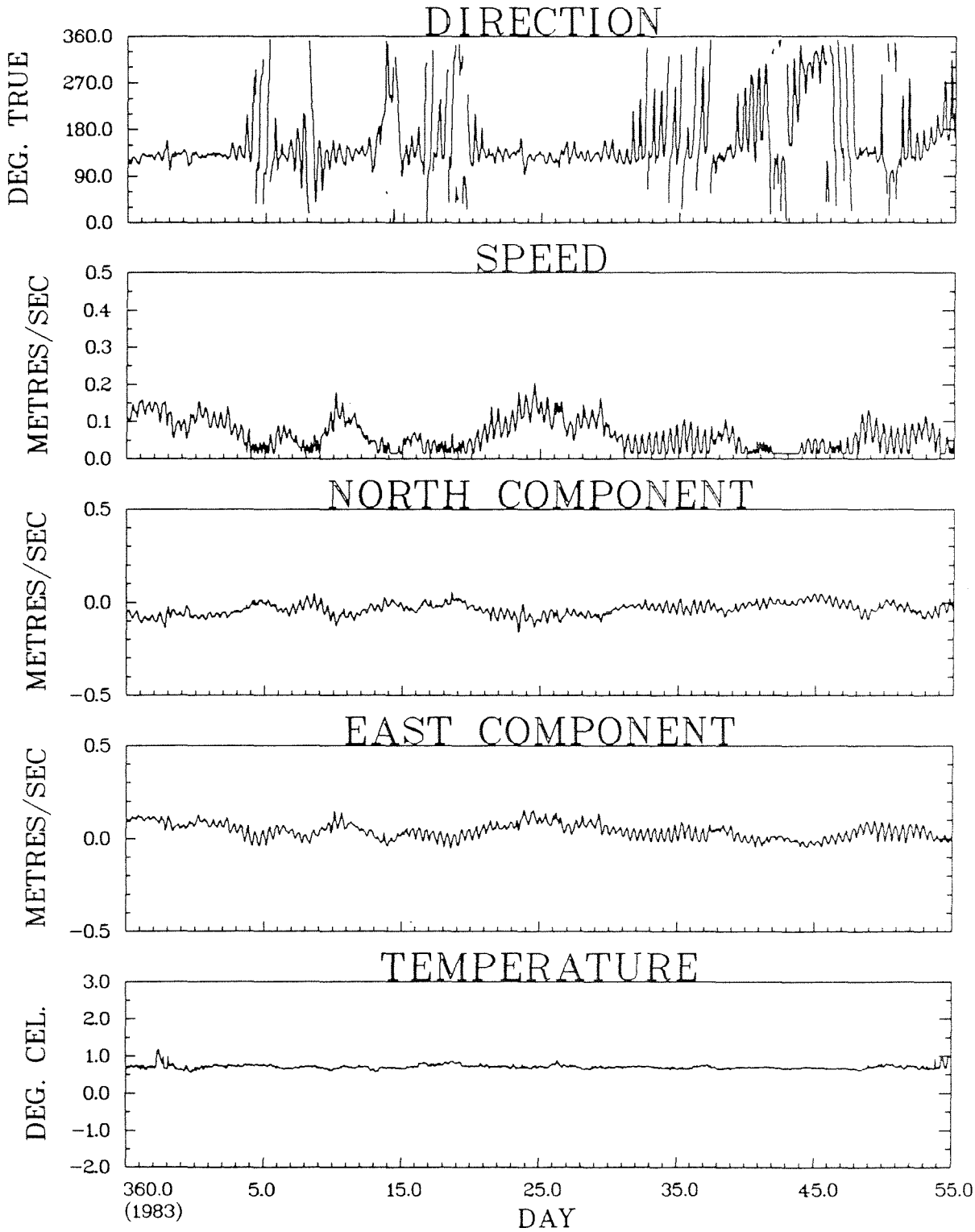
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7622	622	626	623	0.5
Temperature (T)	°C	7622	0.34	1.32	0.74	0.10
Speed (R)	ms^{-1}	7609	0.015	0.600	0.089	0.061
Northeast Component (V)	ms^{-1}	7609	-.154	0.140	0.005	0.020
Southeast Component (U)	ms^{-1}	7609	-.182	0.597	0.077	0.073

MONTHLY MEANS

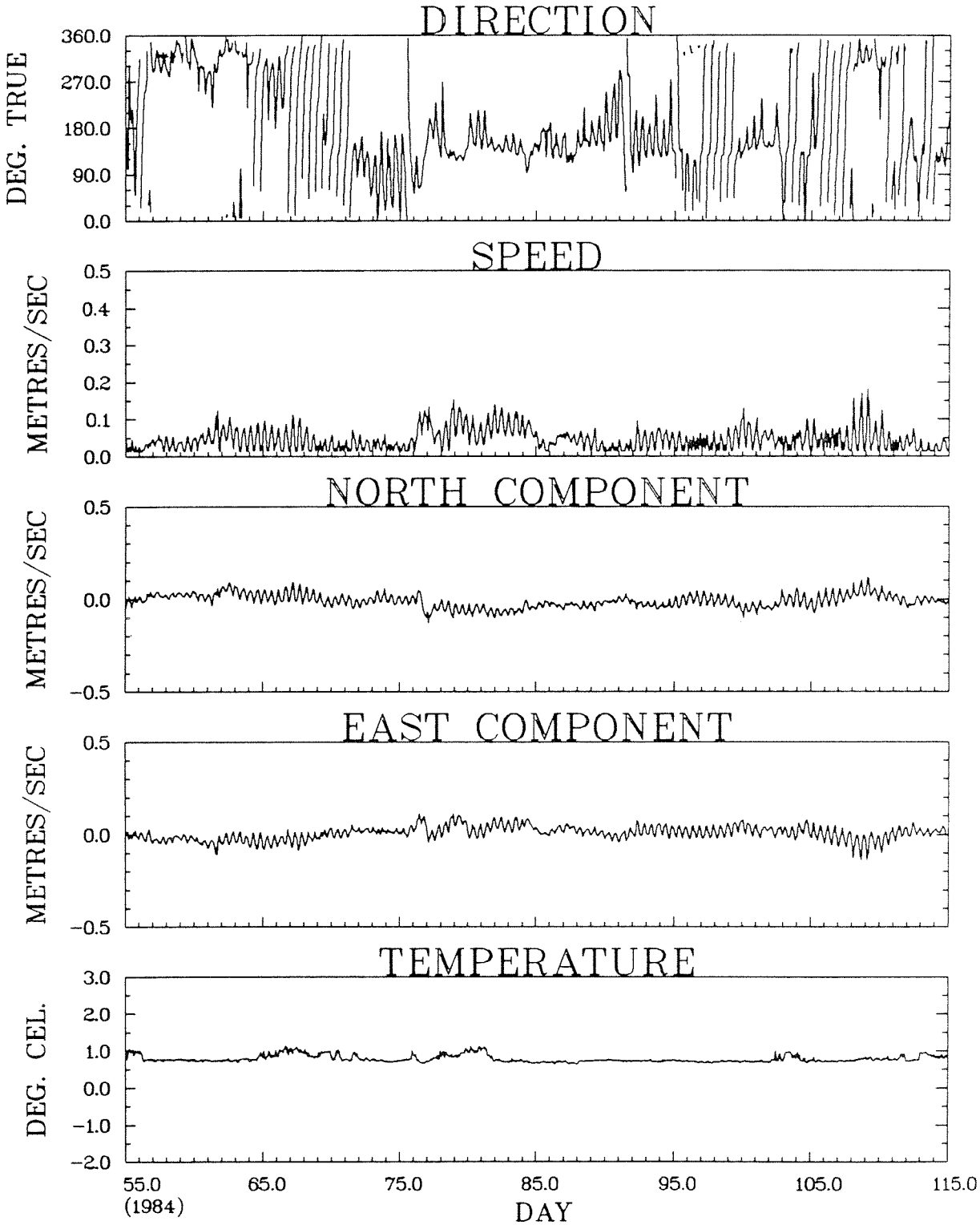
	Samples	T	R	V	U
November	315	0.72±0.03	0.128±.034	0.008±.017	0.127±.034
December	744	0.72±0.07	0.103±.043	0.008±.016	0.101±.045
January	744	0.72±0.05	0.070±.041	0.004±.021	0.062±.048
February	696	0.72±0.07	0.041±.026	-.002±.016	0.017±.043
March	744	0.80±0.11	0.050±.031	-.003±.022	0.019±.051
April	720	0.77±0.08	0.048±.032	-.001±.017	0.022±.050
May	744	0.80±0.12	0.042±.026	-.004±.016	0.020±.042
June	720	0.71±0.07	0.076±.042	0.003±.015	0.074±.043
July	744	0.68±0.06	0.116±.036	0.010±.015	0.114±.037
August	744	0.74±0.14	0.167±.049	0.020±.024	0.164±.052
September	707	0.73±0.13	0.163±.068	0.016±.024	0.160±.070



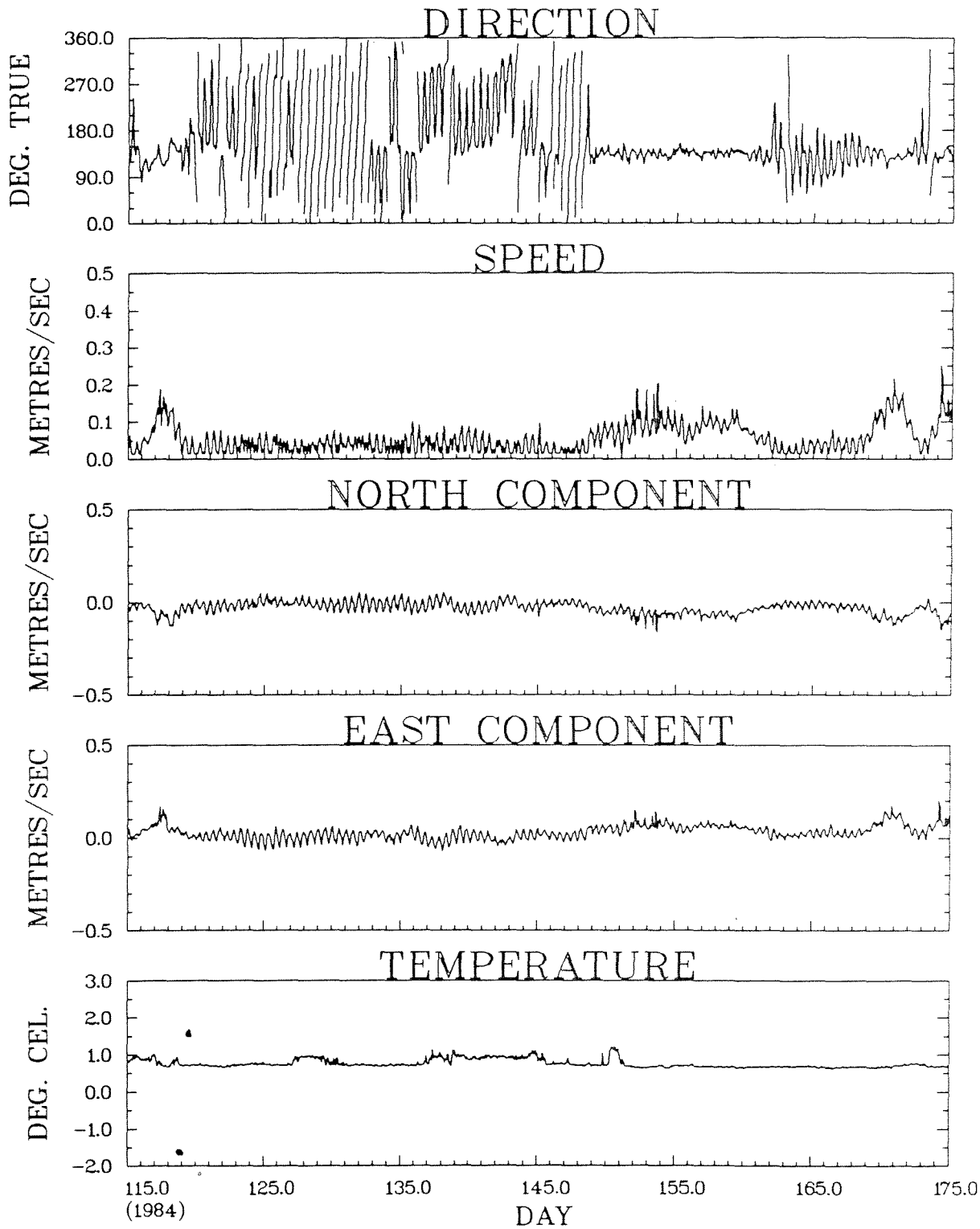
MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4



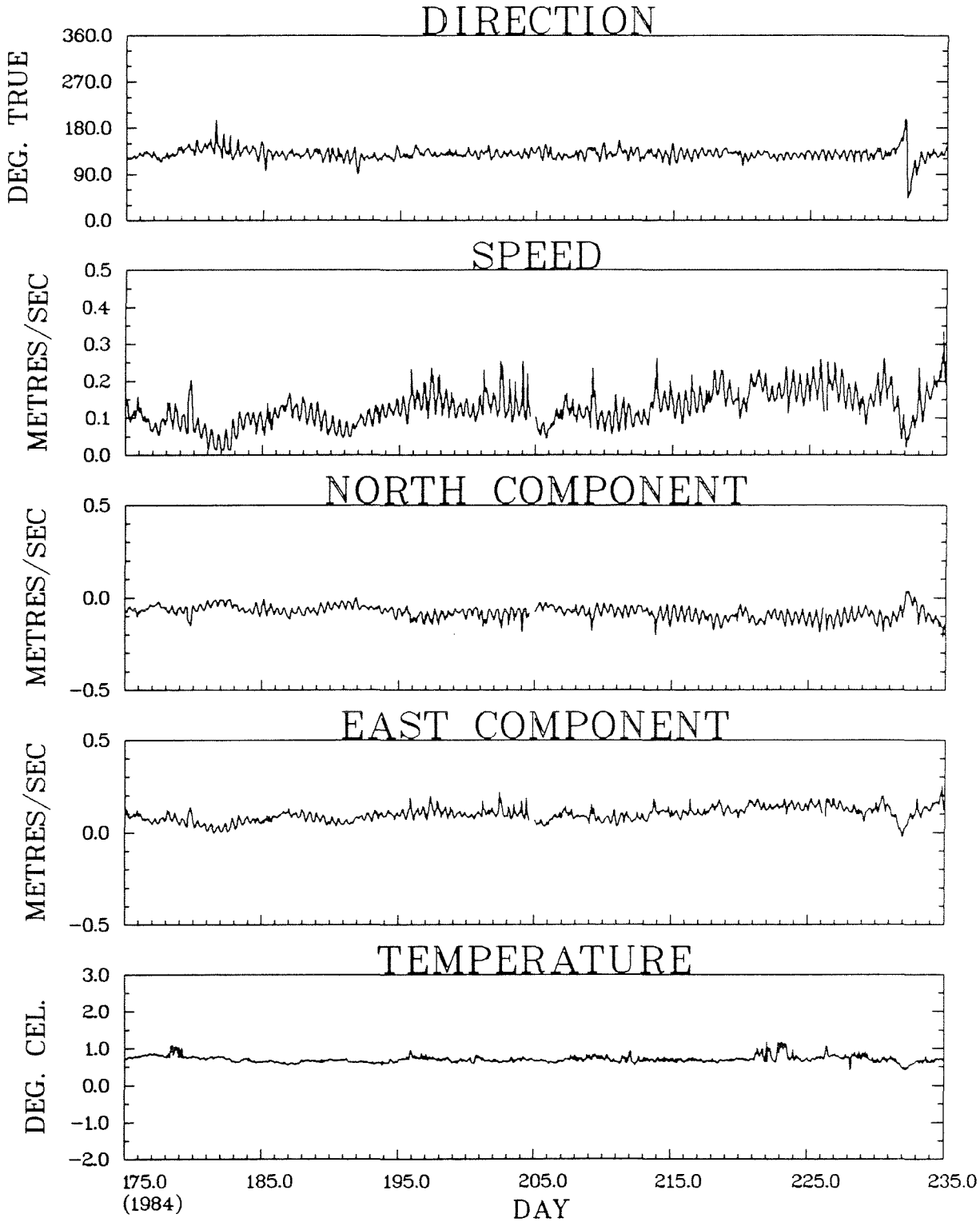
MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4



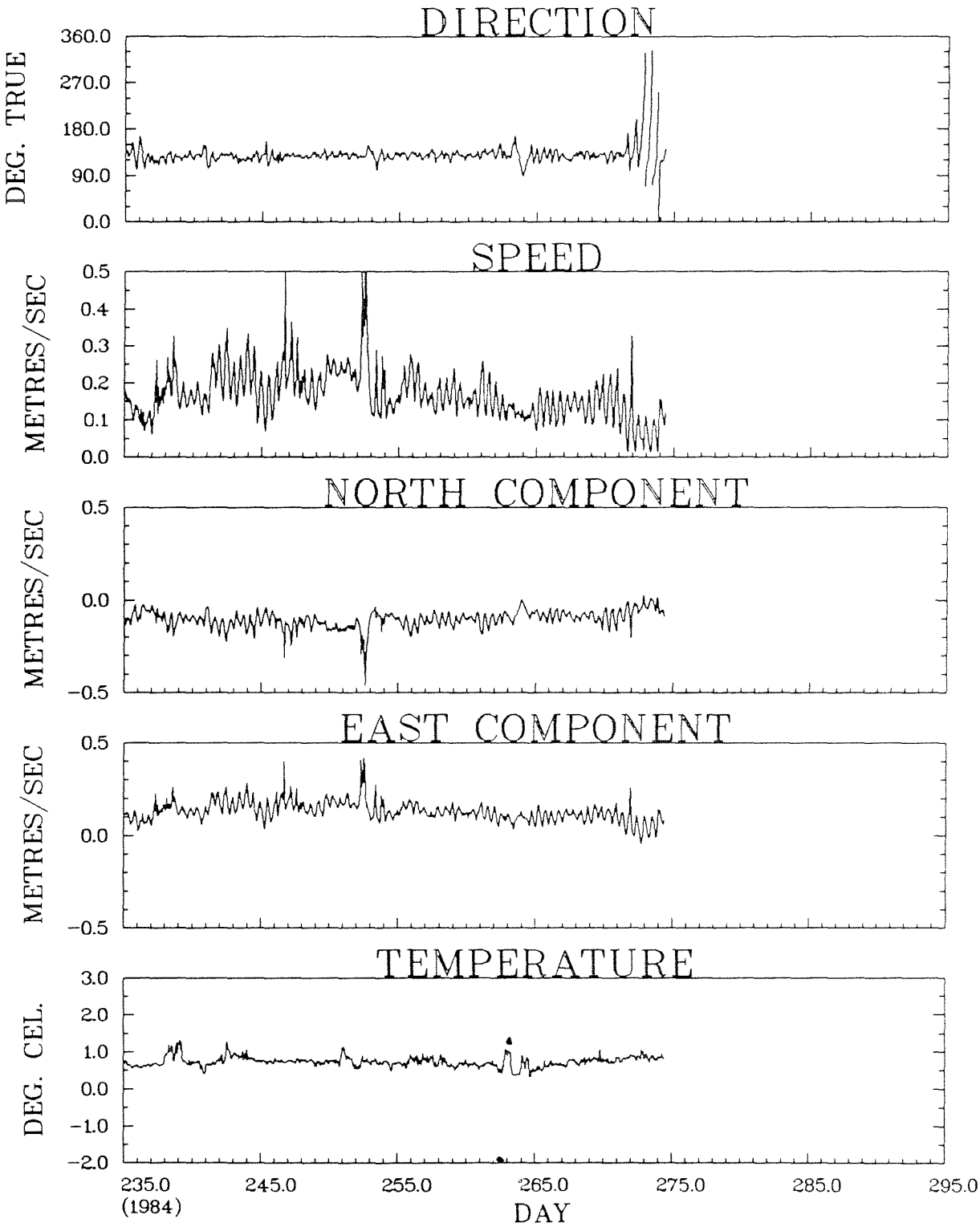
MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4



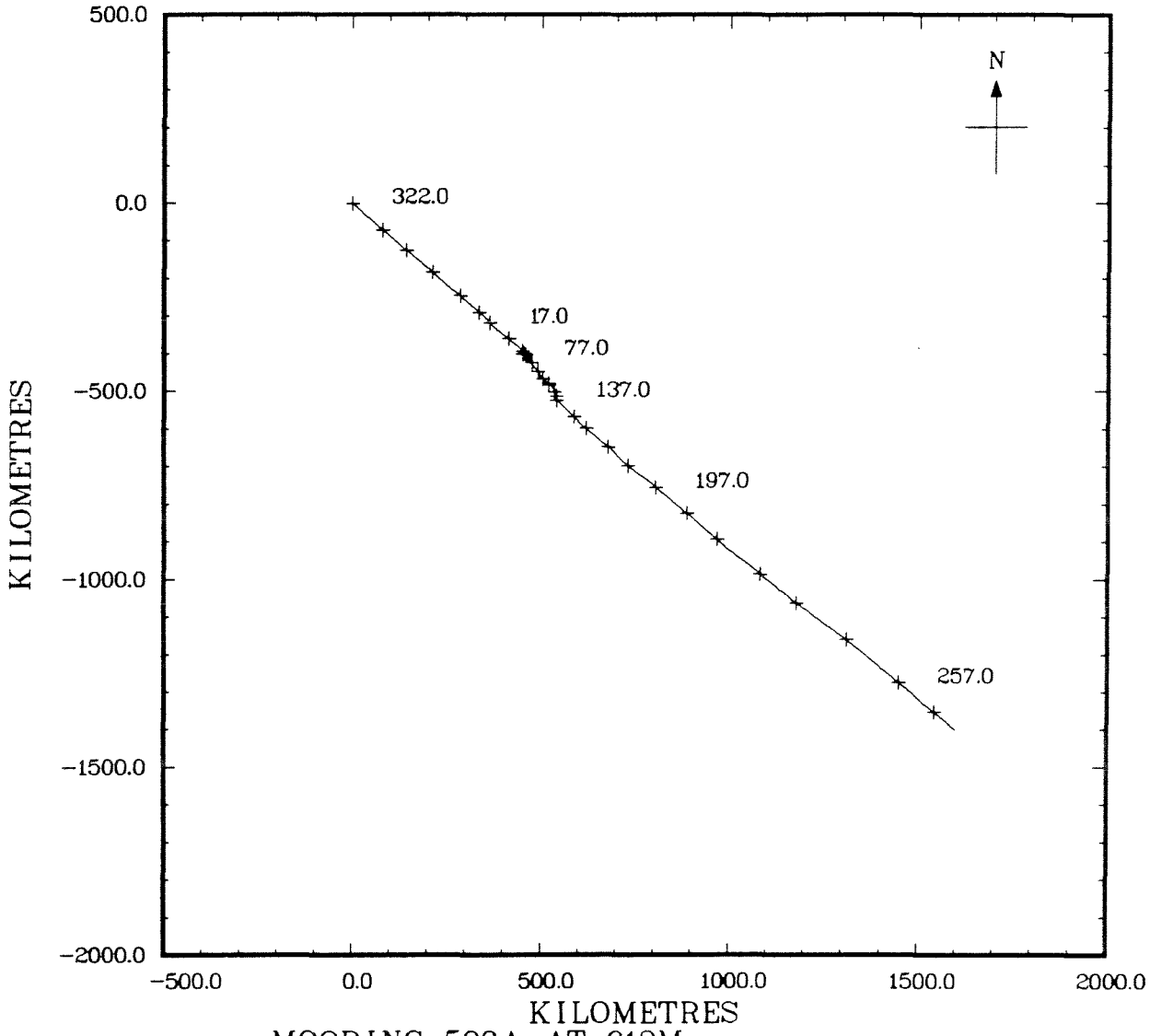
MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4



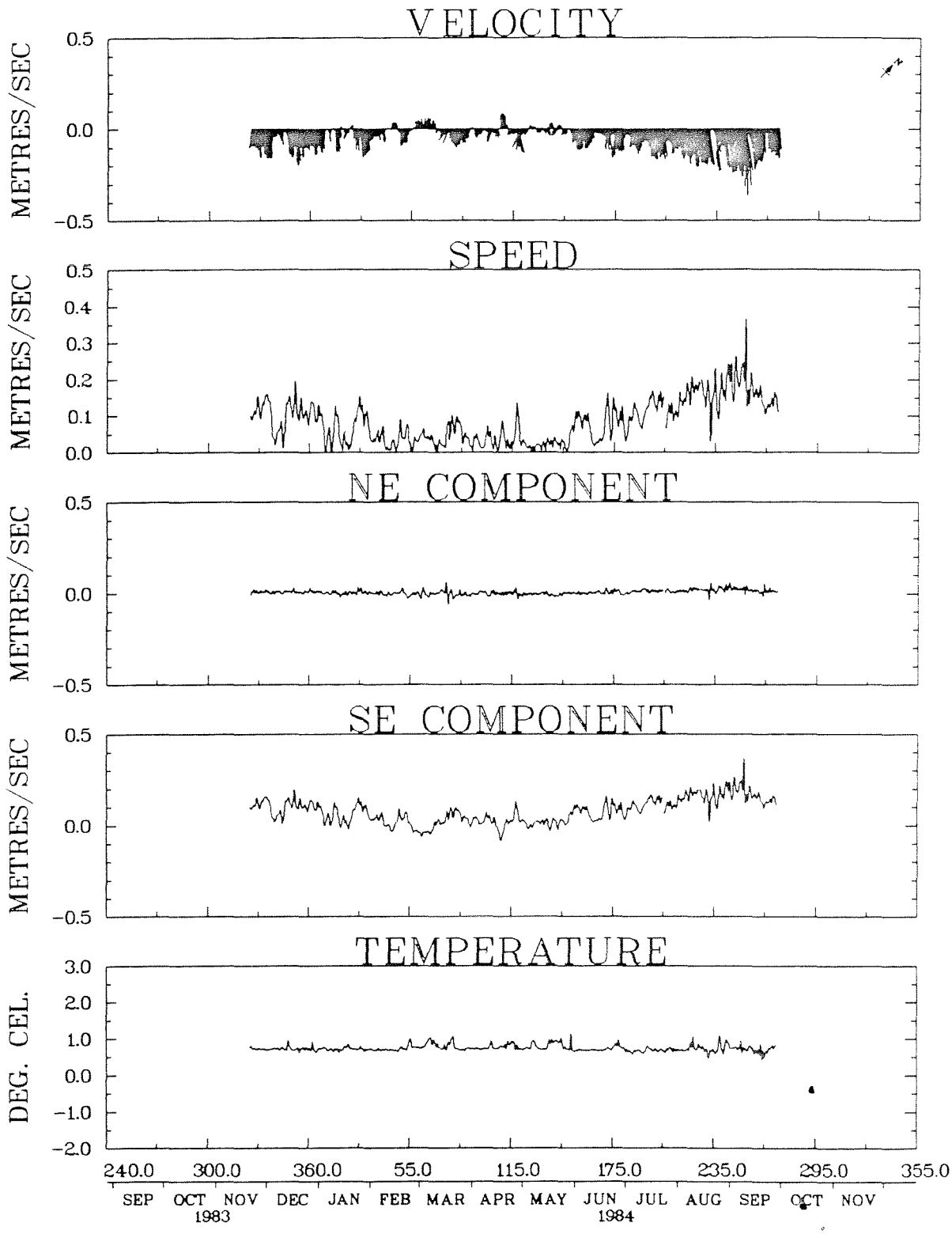
MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4



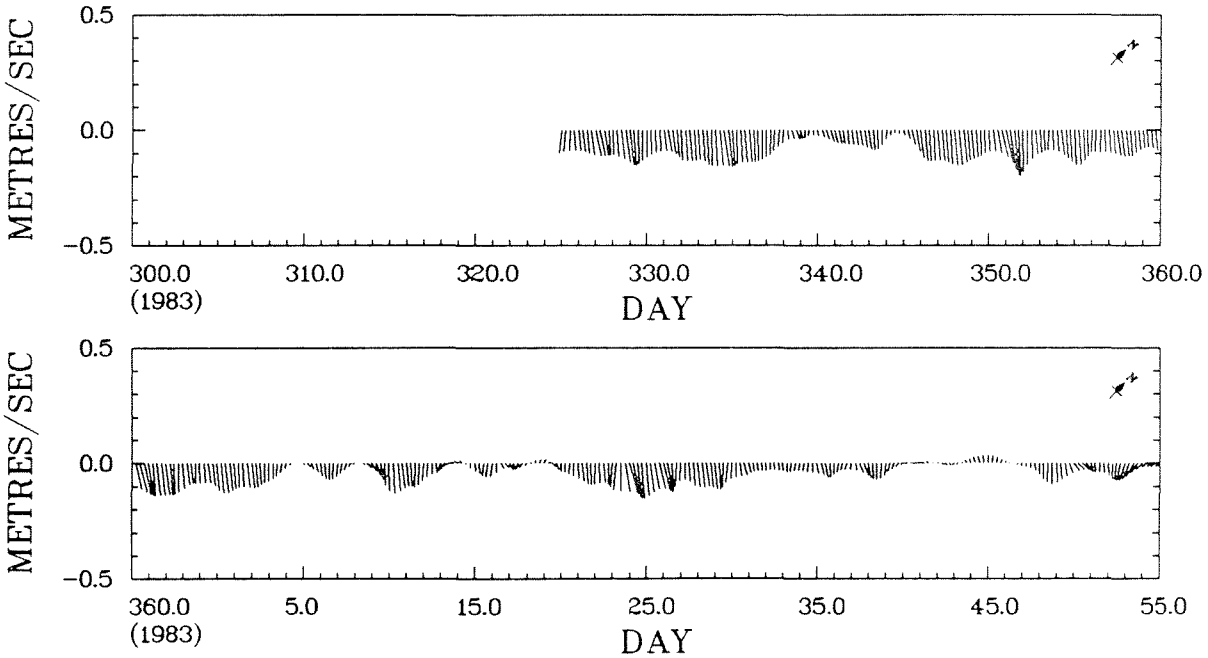
MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4



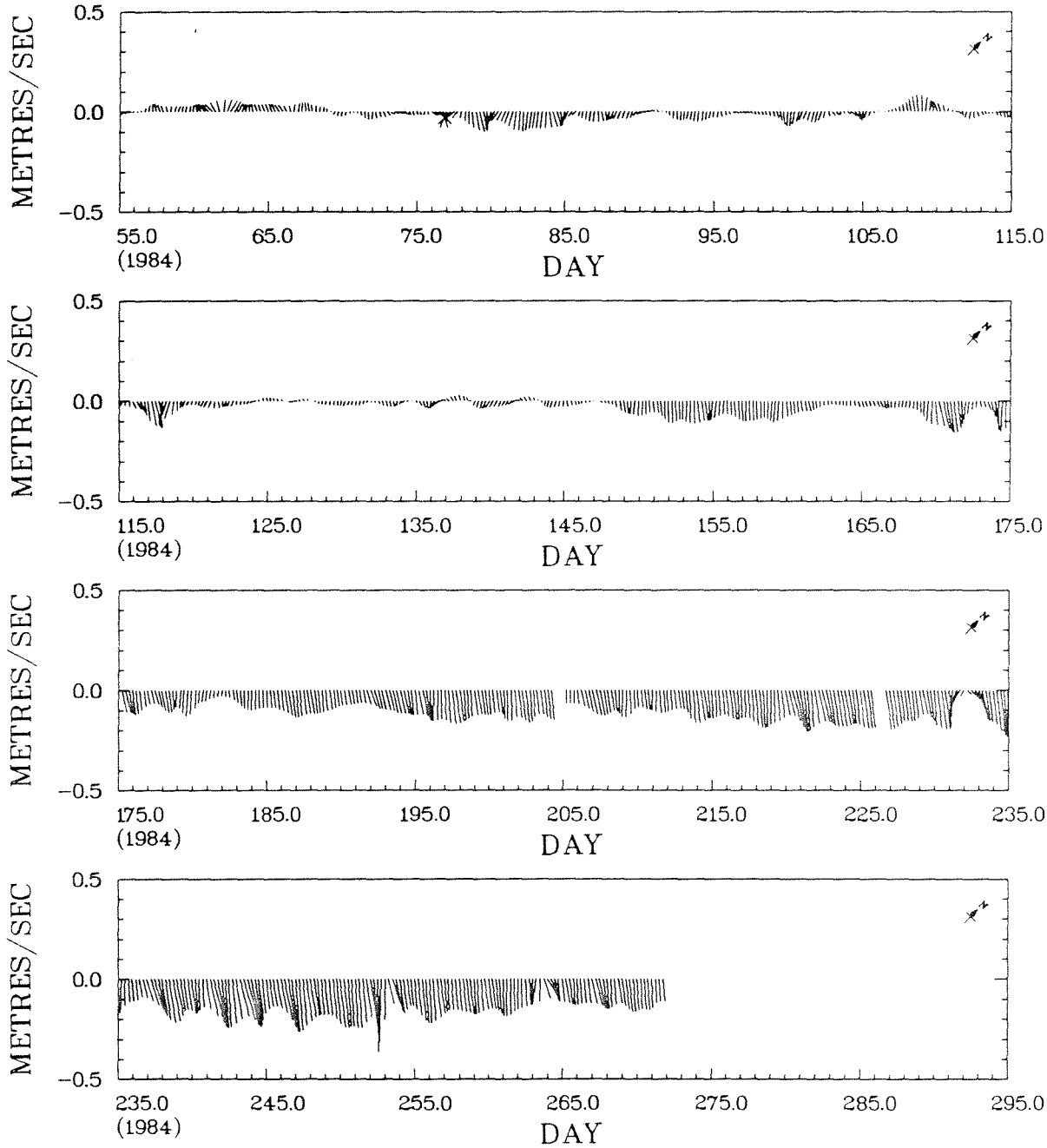
MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 613M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 613M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

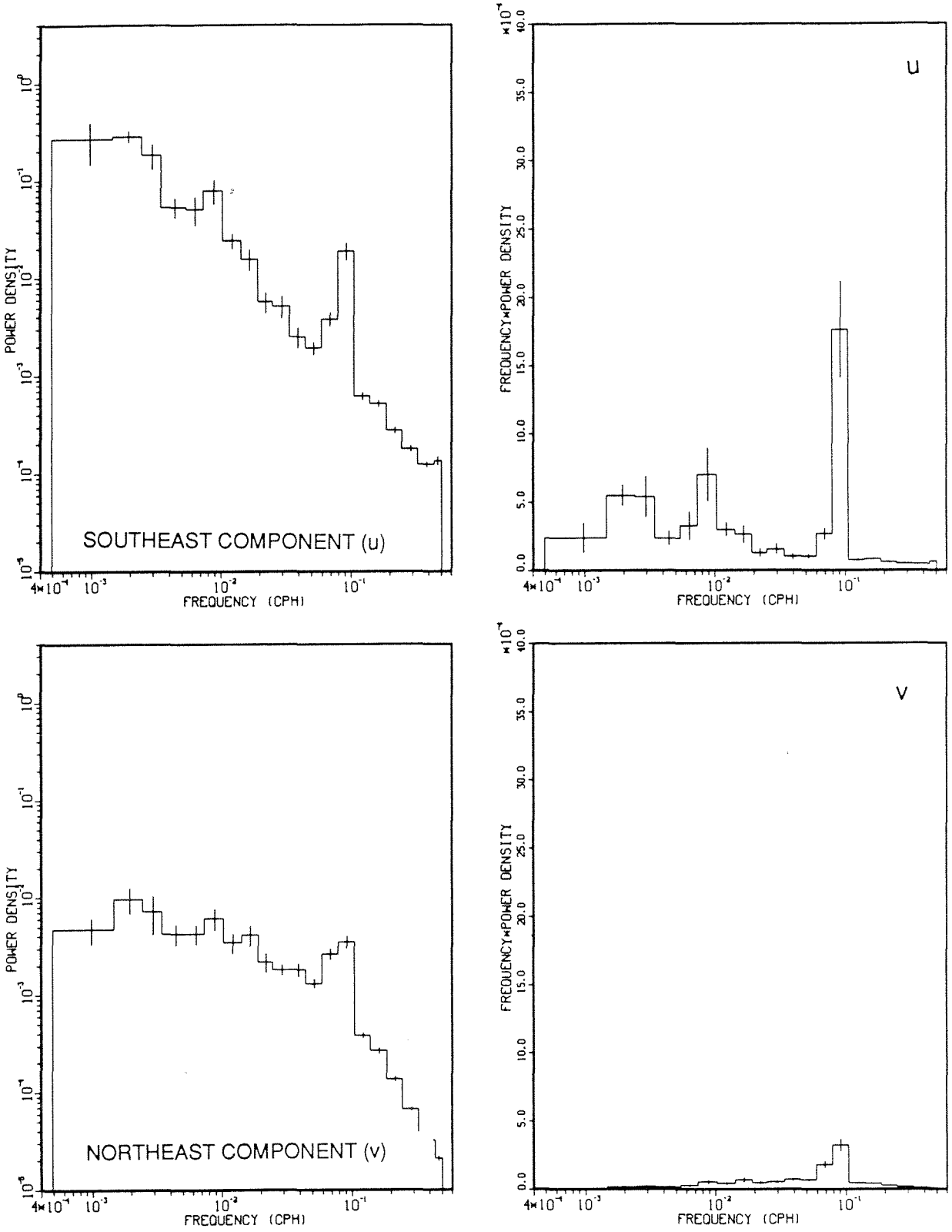


MOORING 580A AT 613M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580A
Depth 613 m

Tidal Analysis
317.6 d centered at day 115, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.002	.001	53	358	C	.002	356	.001	62
O1	.001	.001	143	2	C	.001	263	.001	355
M2	.027	.002	134	217	A	.002	293	.027	217
S2	.011	.000	122	267	A	.002	270	.011	267
N2	.006	.000	126	197	C	.001	178	.006	198
MF	.010	.001	129	352	C	.001	317	.010	353
M4	.001	.000	103	204	A	.000	240	.000	187
MS4	.000	.000	160	204	C	.000	62	.000	195



MOORING 580A AT 613M
NORTHWEST BAFFIN BAY 1983/4

Mooring 580A
Depth 913 m

Latitude	71° 45.3N	Deployment	1245Z 5 Sept., 1983
Longitude	70° 38.4W	Recovery	1050Z 30 Sept., 1984
Water Depth	928 m	Duration	390 d

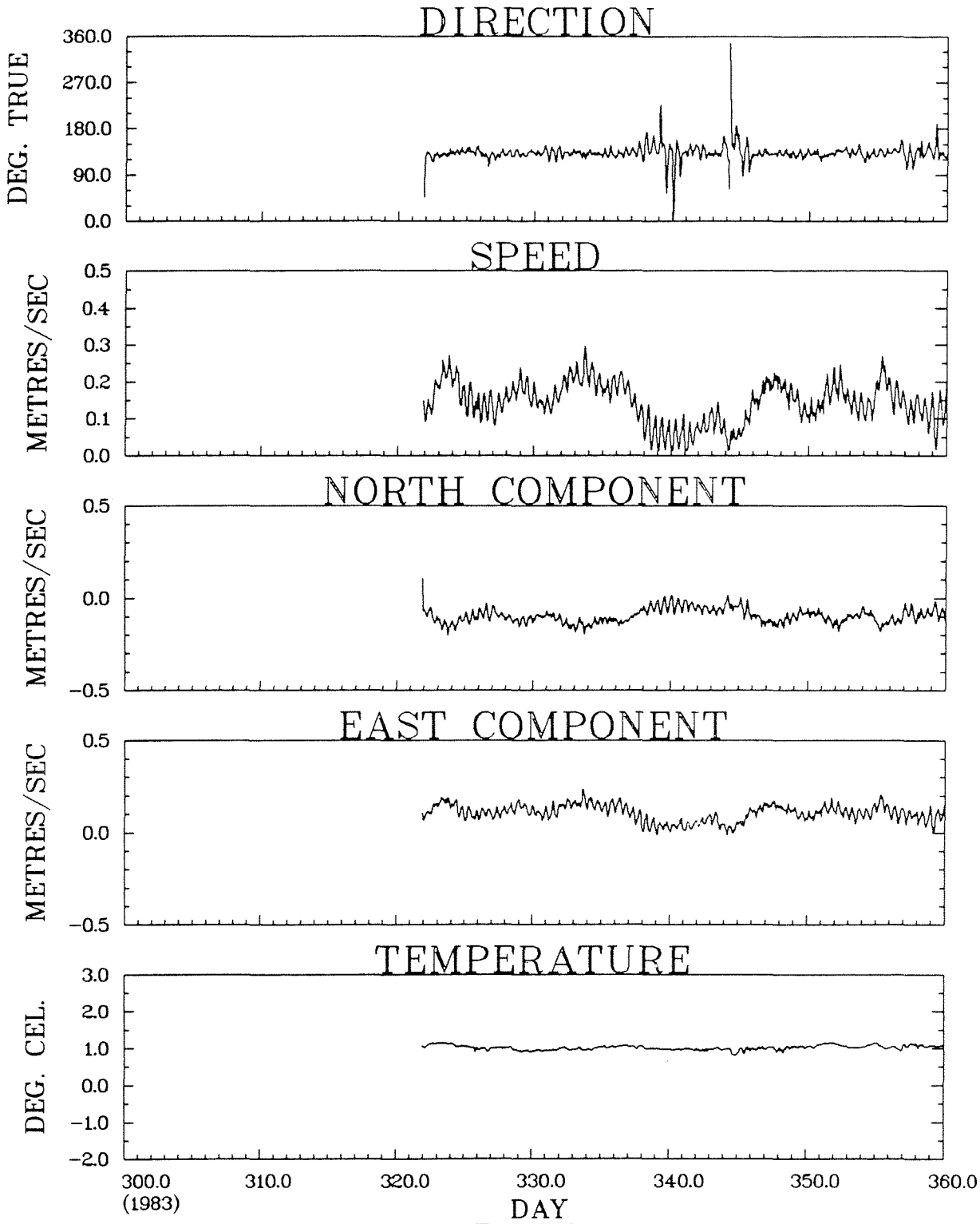
N.B. This is a continuation of mooring 580 at 472 m.

RECORD LENGTH STATISTICS

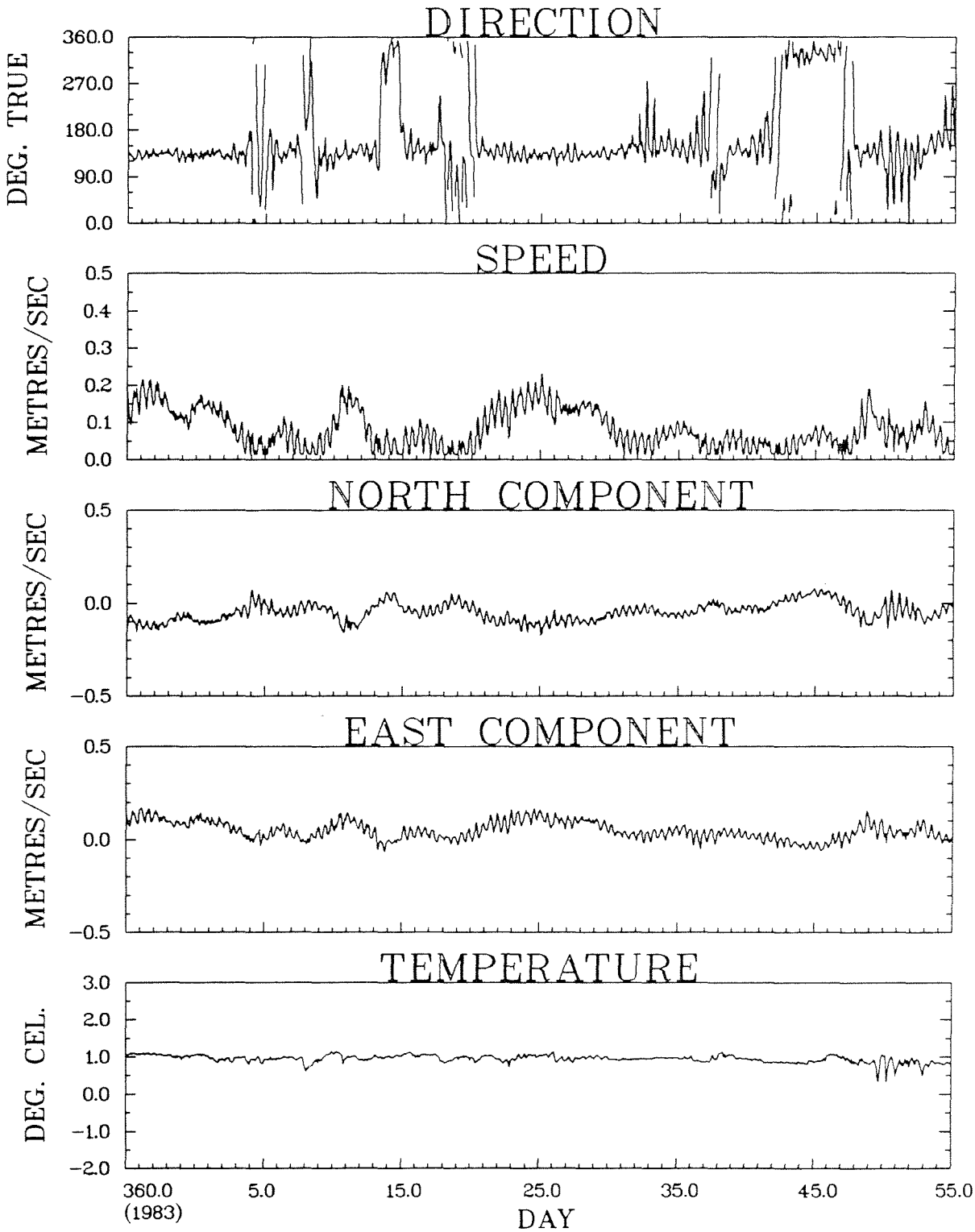
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Temperature (T)	°C	7622	0.27	1.16	0.92	0.14
Speed (R)	ms^{-1}	7622	0.015	0.365	0.107	0.068
Northeast Component (V)	ms^{-1}	7622	-.111	0.150	0.004	0.022
Southeast Component (U)	ms^{-1}	7622	-.092	0.362	0.096	0.079

MONTHLY MEANS

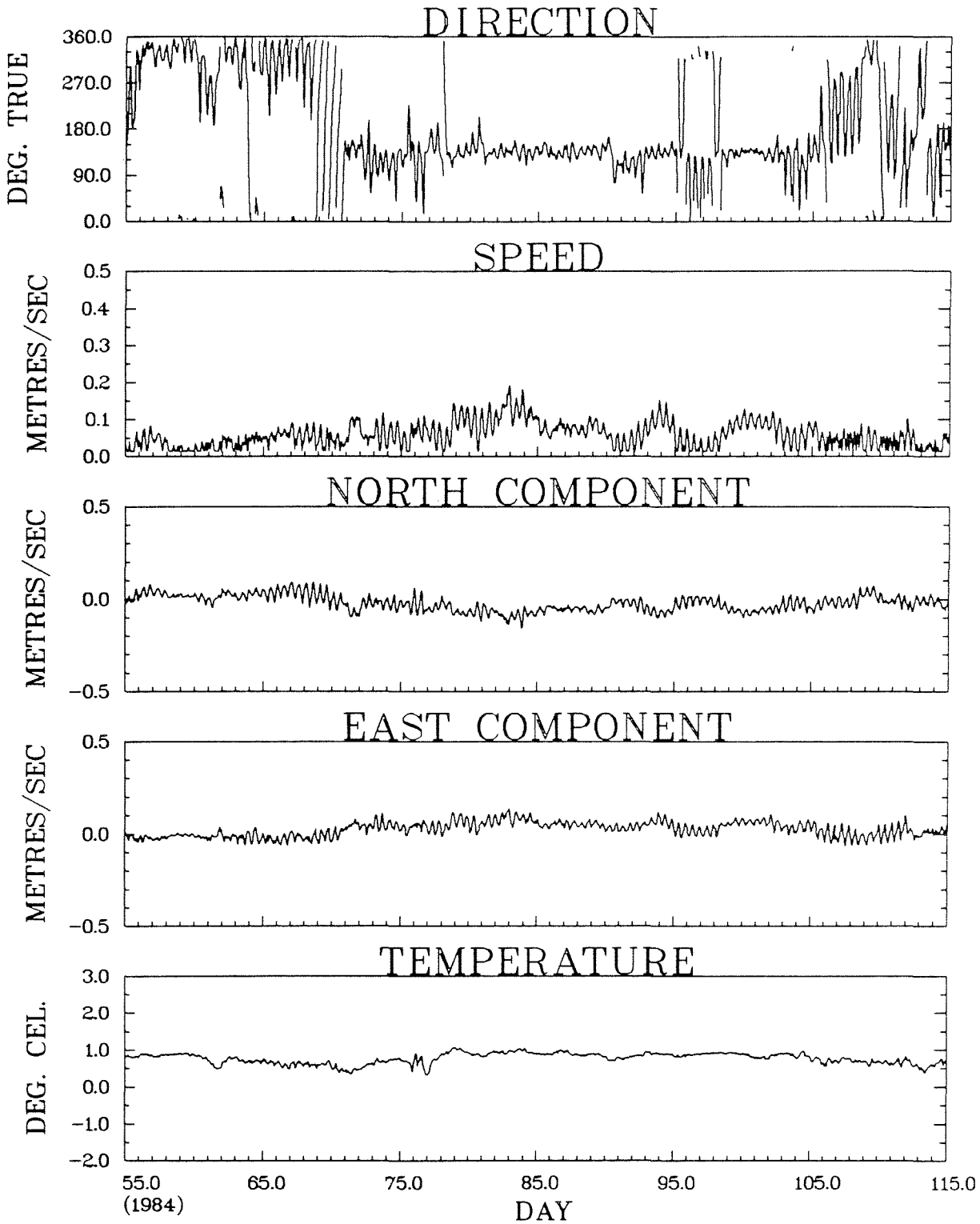
	Samples	T	R	V	U
November	315	1.01±0.07	0.173±.042	0.010±.019	0.171±.044
December	744	1.02±0.06	0.132±.052	0.004±.019	0.130±.054
January	744	0.96±0.08	0.087±.054	0.000±.020	0.078±.063
February	696	0.89±0.10	0.053±.032	-.000±.023	0.021±.054
March	744	0.75±0.17	0.067±.034	0.003±.024	0.040±.059
April	720	0.80±0.12	0.062±.034	-.000±.018	0.048±.048
May	744	0.87±0.10	0.047±.031	-.002±.019	0.034±.041
June	720	1.03±0.06	0.090±.039	-.000±.016	0.088±.041
July	744	0.98±0.04	0.127±.033	0.005±.019	0.126±.033
August	744	0.96±0.05	0.200±.053	0.014±.025	0.198±.054
September	707	0.86±0.17	0.173±.071	0.012±.031	0.166±.081



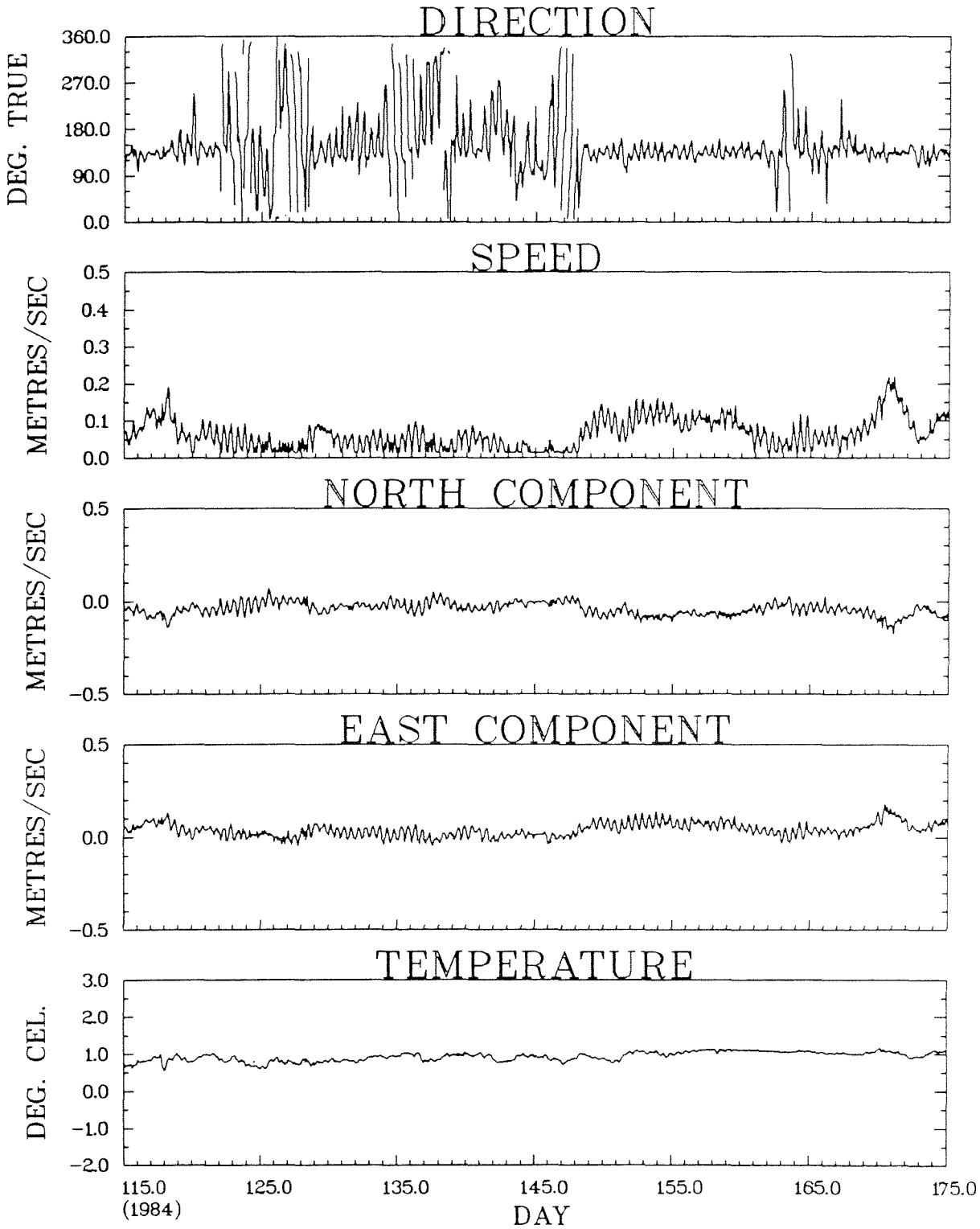
MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4



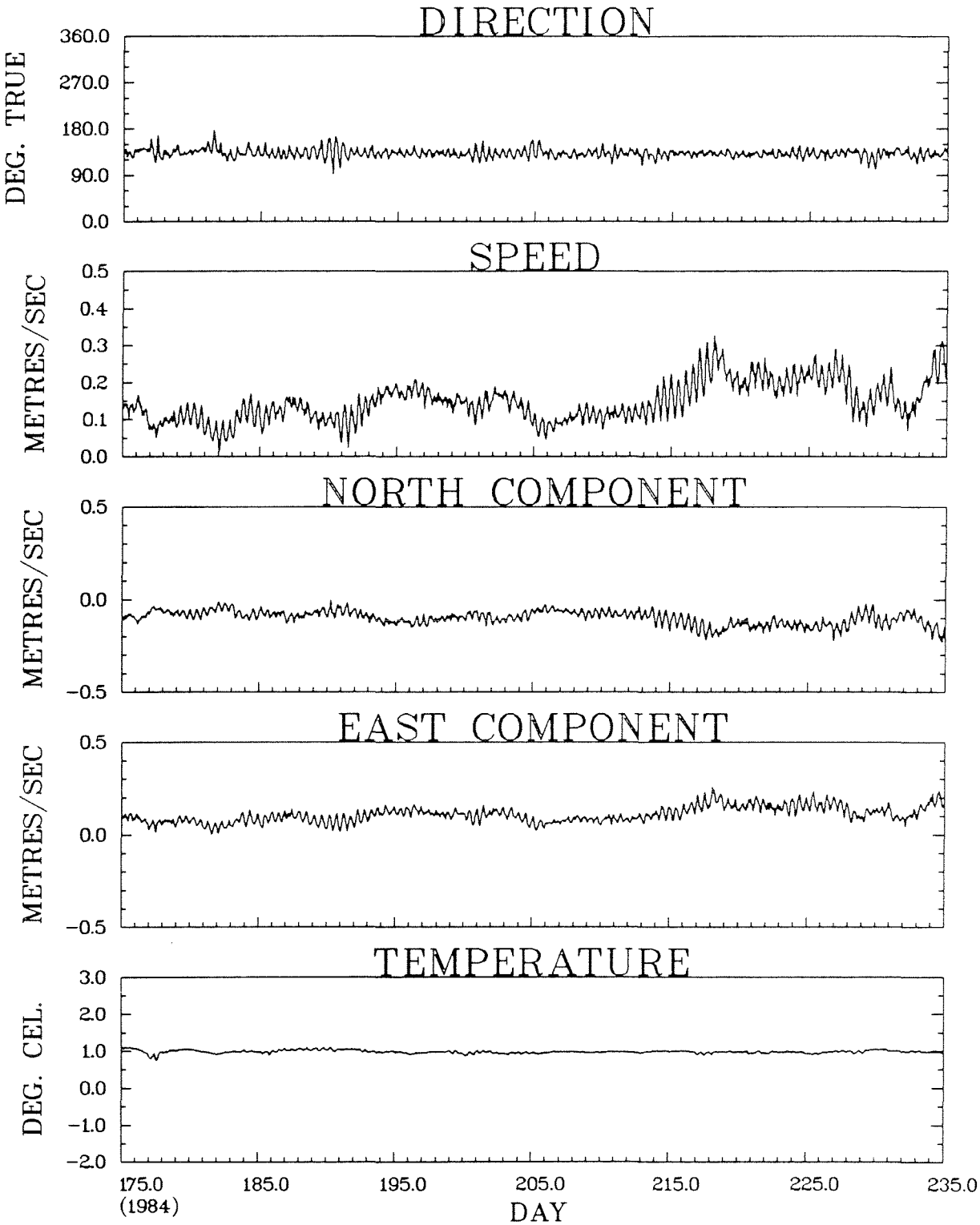
MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4



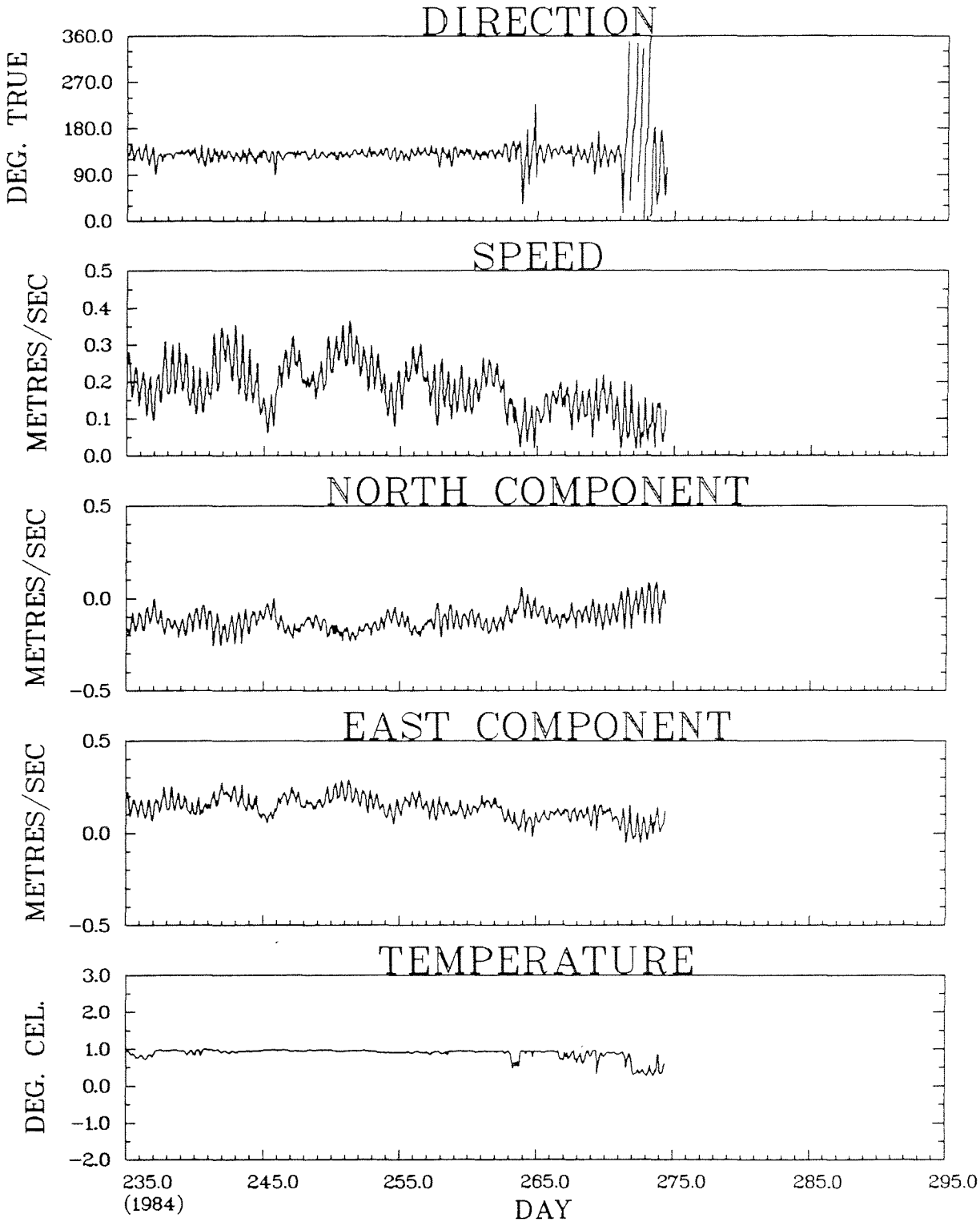
MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4



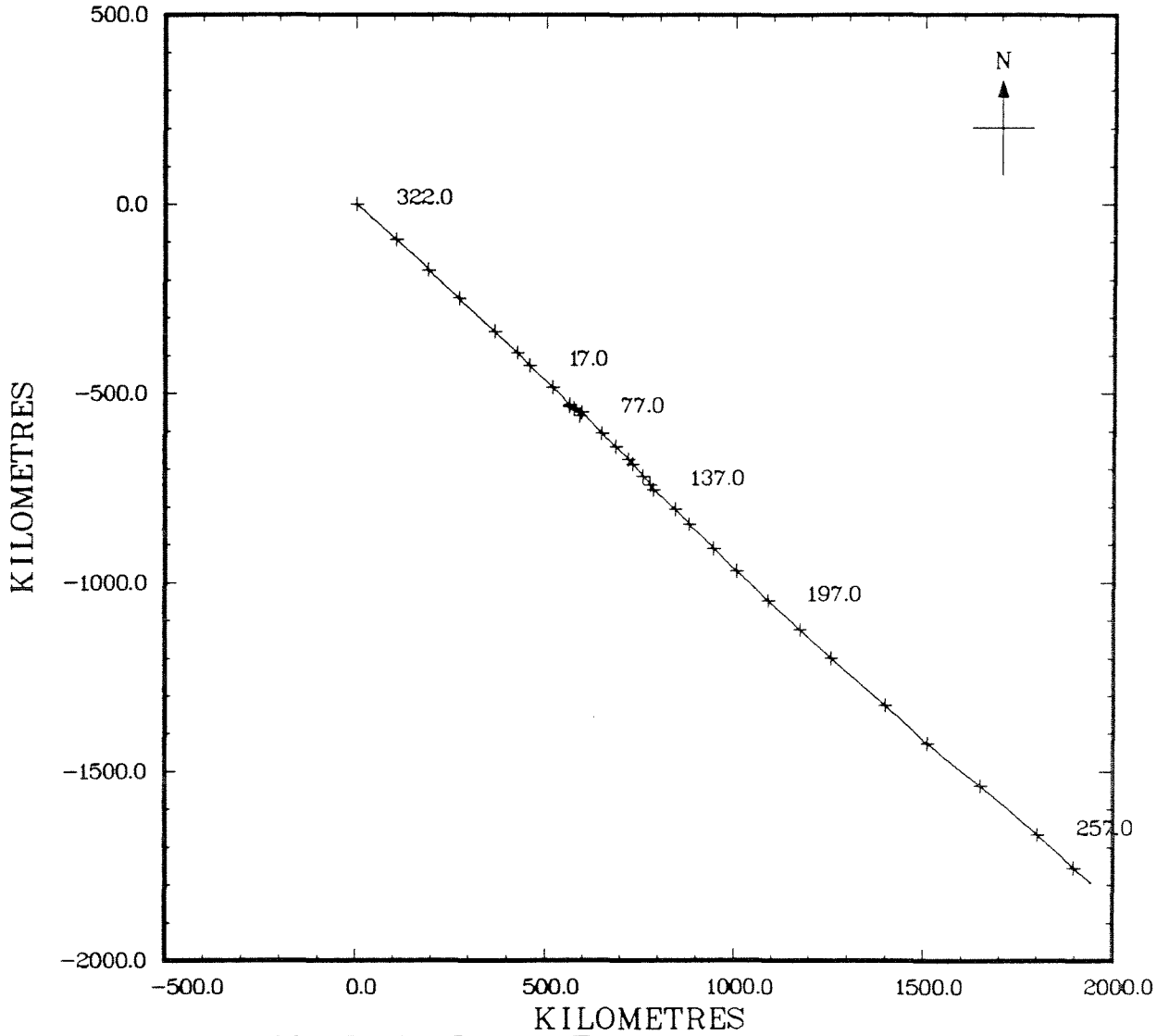
MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4



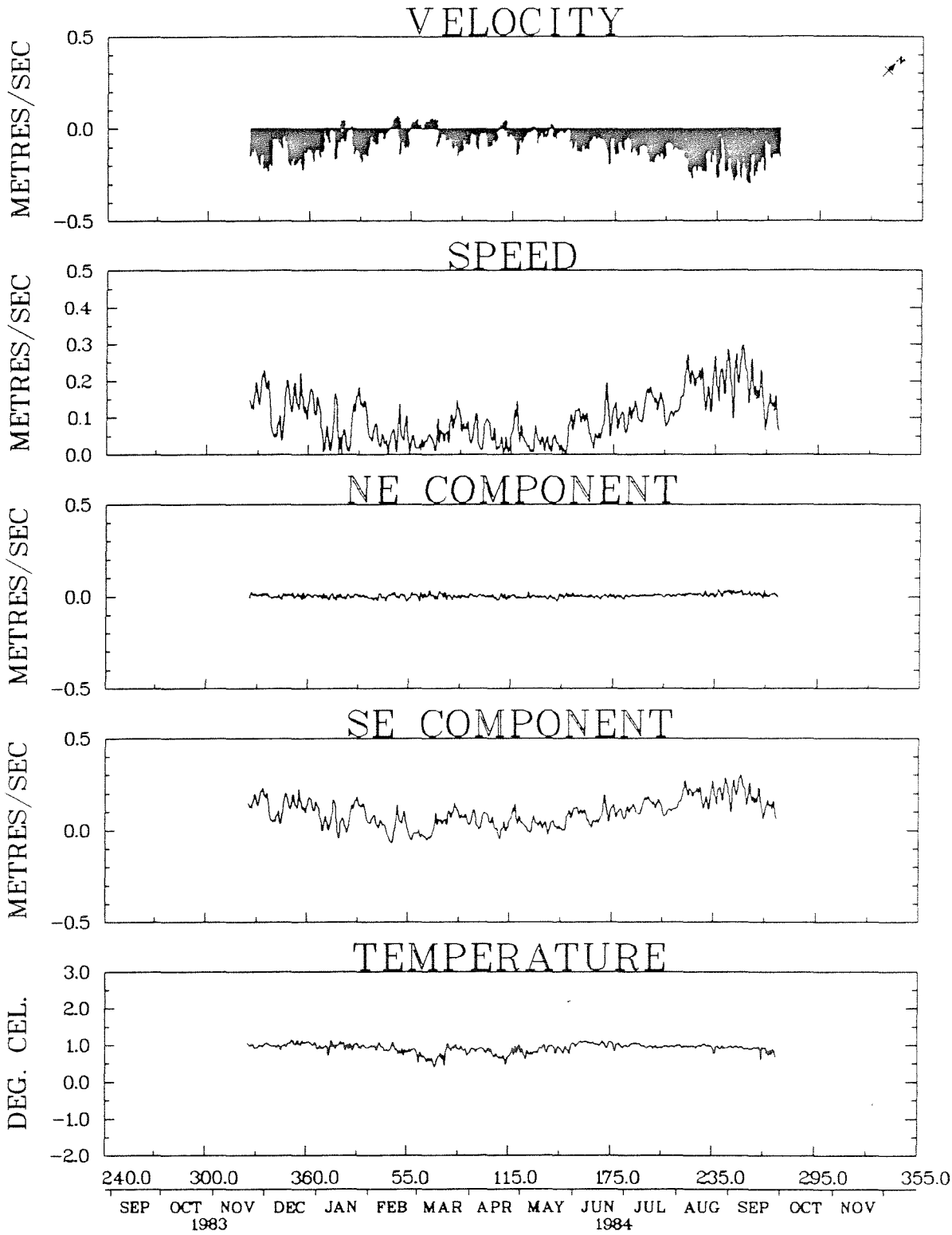
MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4



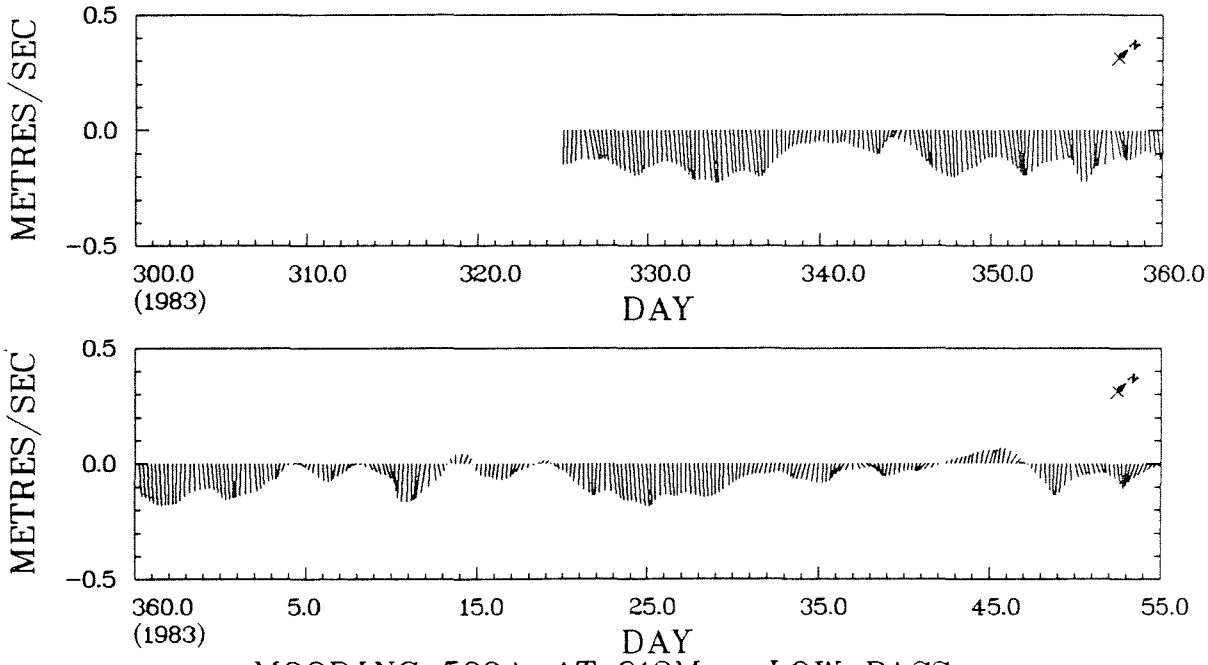
MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4



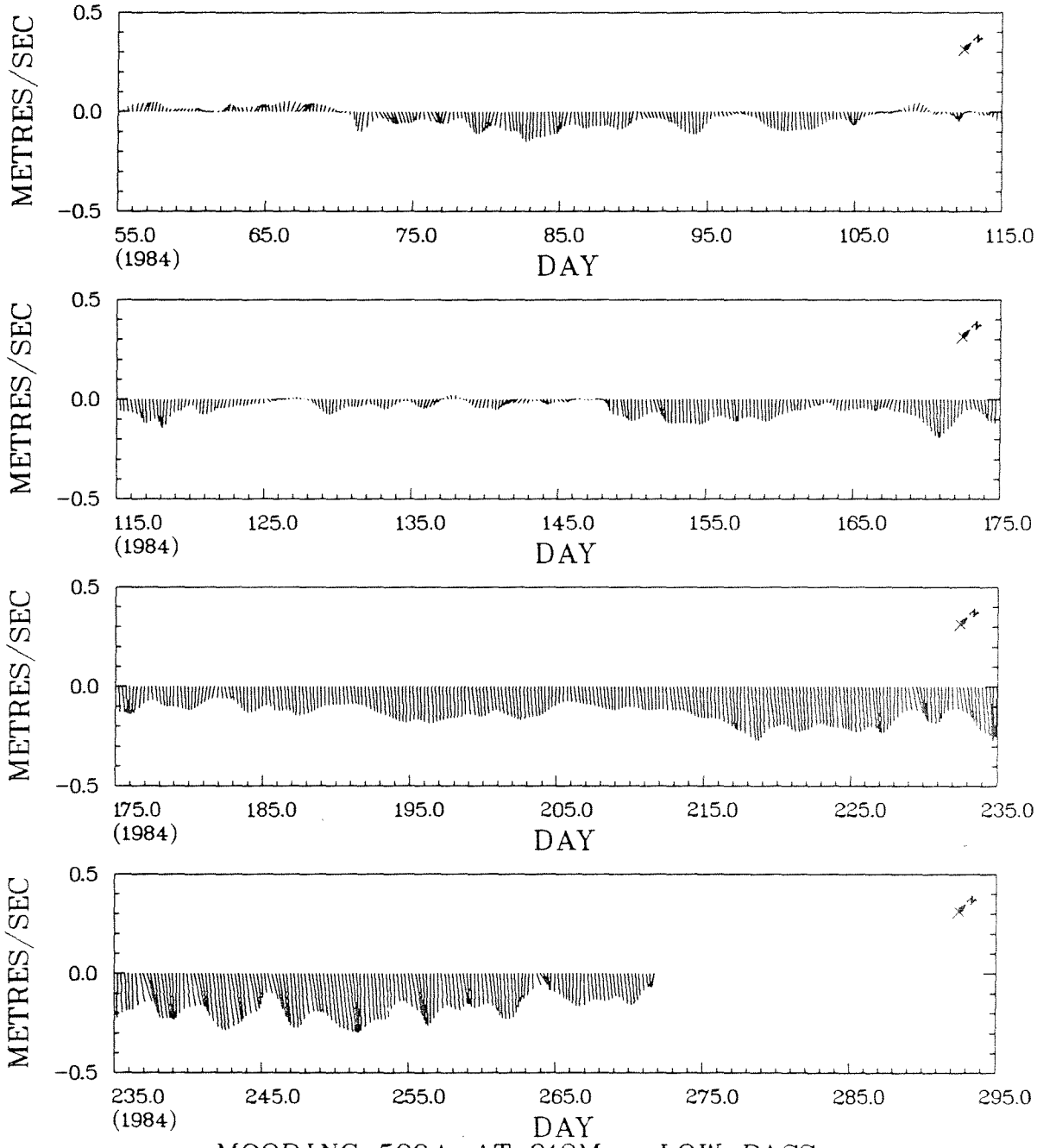
MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 913M – LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 580A AT 913M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

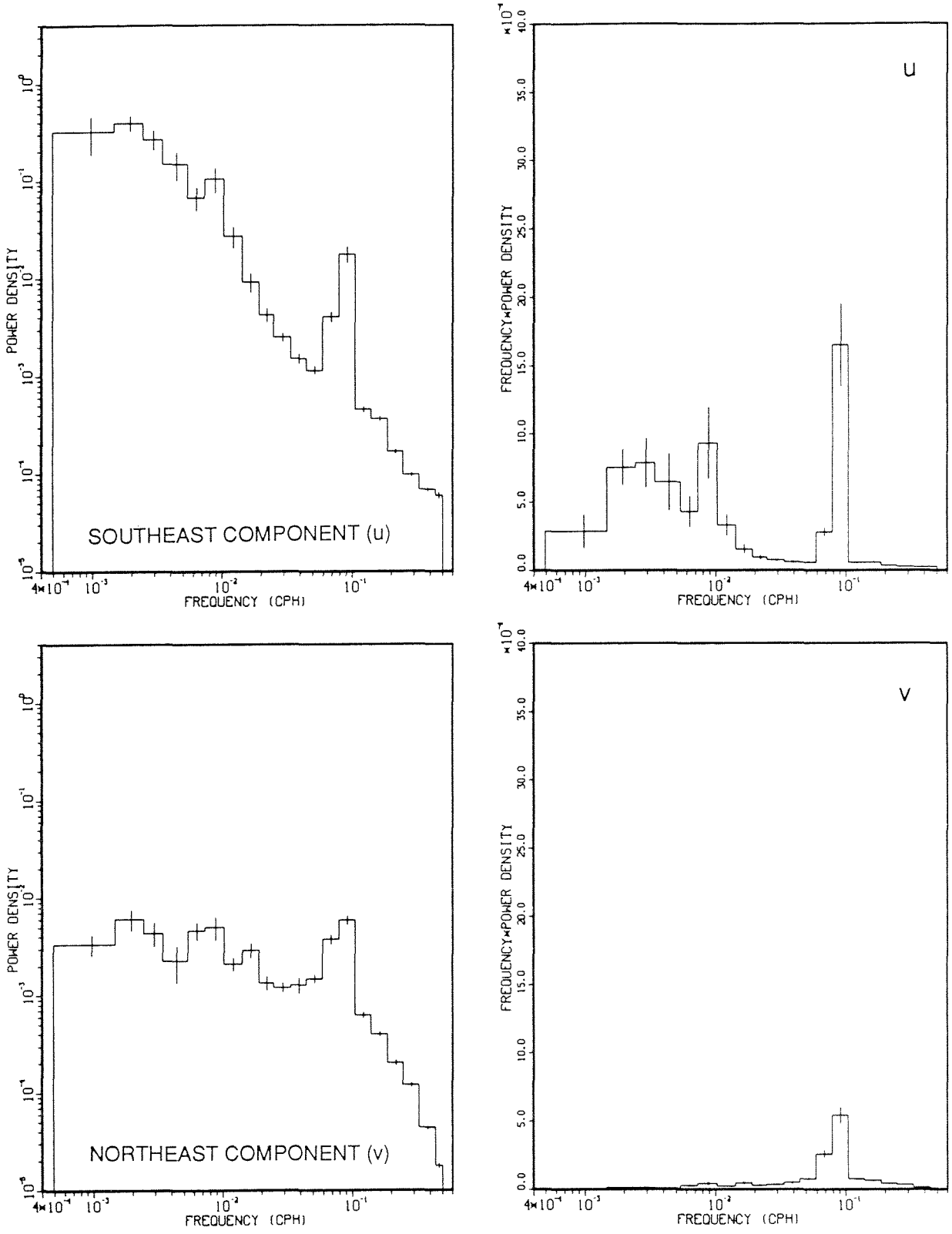


MOORING 580A AT 913M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 580A
Depth 913 m

Tidal Analysis
317.6 d centered at day 115, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.002	.000	66	7	A	.002	10	.001	348
O1	.001	.000	20	316	C	.001	323	.001	108
M2	.025	.004	133	219	A	.004	297	.025	219
S2	.010	.002	137	255	A	.002	353	.010	255
N2	.008	.002	116	204	C	.003	167	.008	209
MF	.009	.000	131	343	A	.001	347	.009	343
M4	.001	.000	106	29	A	.000	44	.001	24
MS4	.000	.000	157	140	A	.000	264	.000	153



MOORING 580A AT 913M
NORTHWEST BAFFIN BAY 1983/4

Mooring 581
Depth 81 m

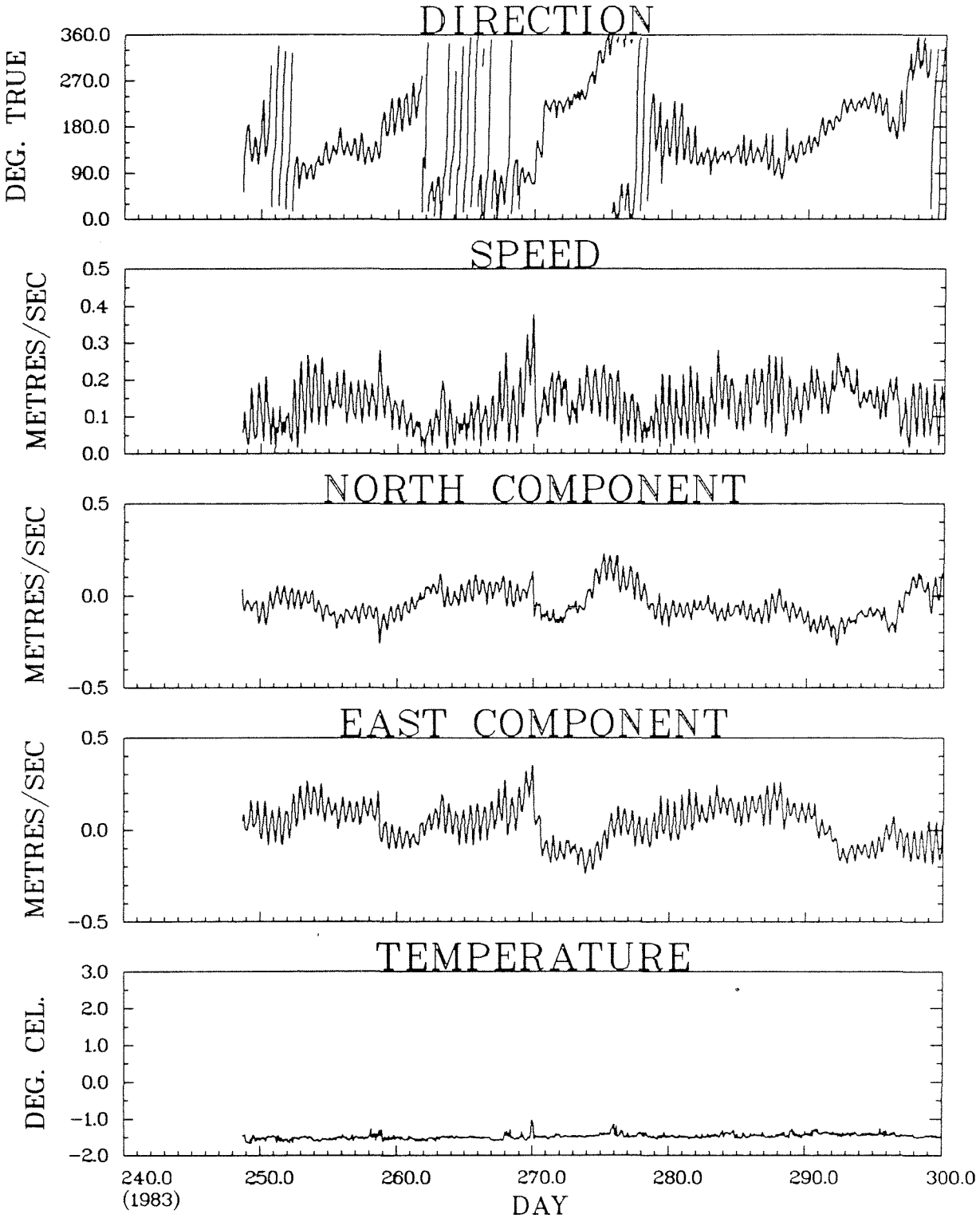
Latitude	71° 55.2N	Deployment	1542Z 5 Sept., 1983
Longitude	71° 13.8W	Recovery	1840Z 29 Sept., 1984
Water Depth	981 m	Duration	389 d

RECORD LENGTH STATISTICS

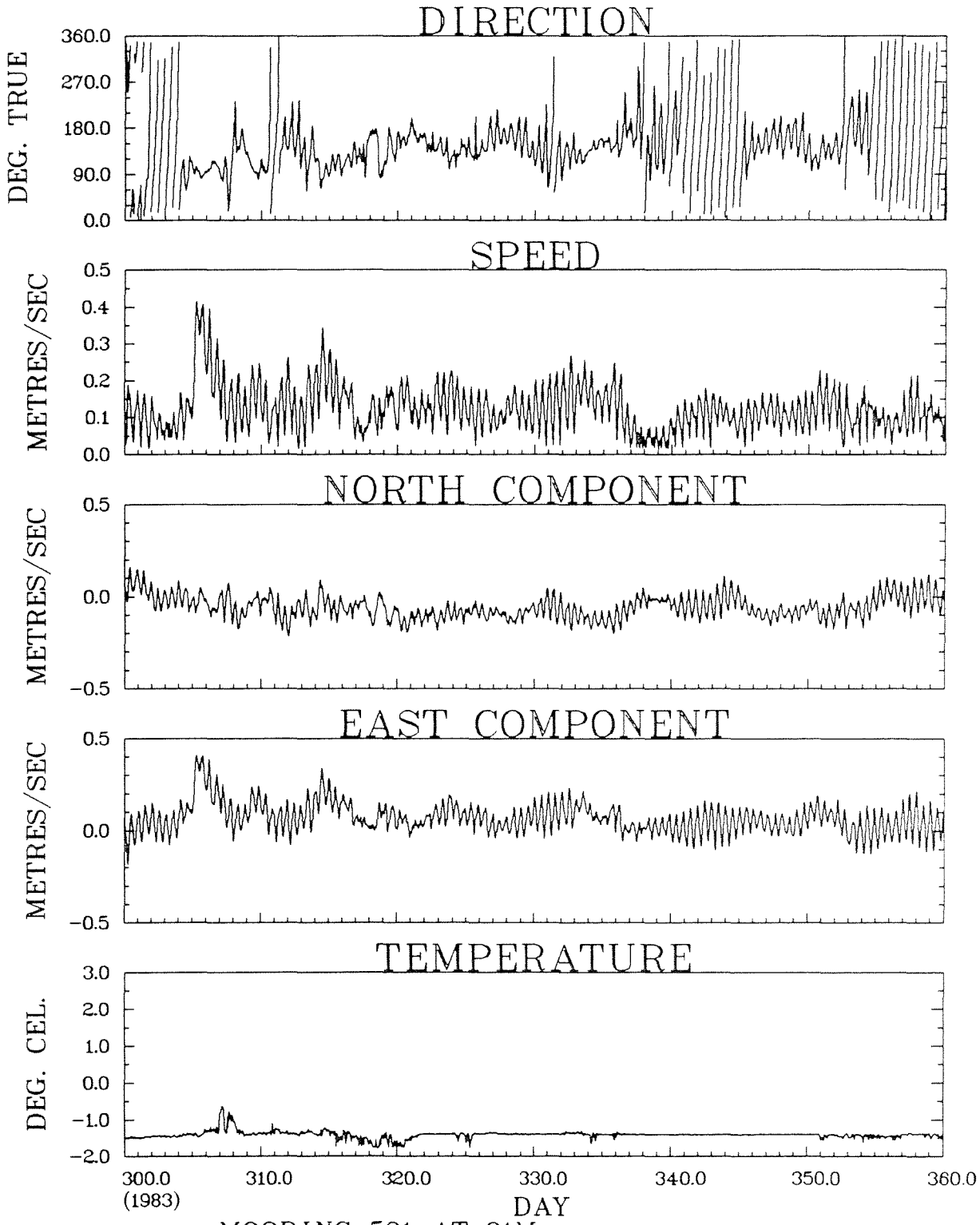
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	9362	84	155	86	1.6
Temperature (T)	°C	9362	-1.78	0.78	-1.52	0.14
Speed (R)	ms^{-1}	9362	0.015	0.617	0.124	0.099
Northeast Component (V)	ms^{-1}	9362	-.335	0.343	-.004	0.075
Southeast Component (U)	ms^{-1}	9362	-.234	0.594	0.066	0.123

MONTHLY MEANS

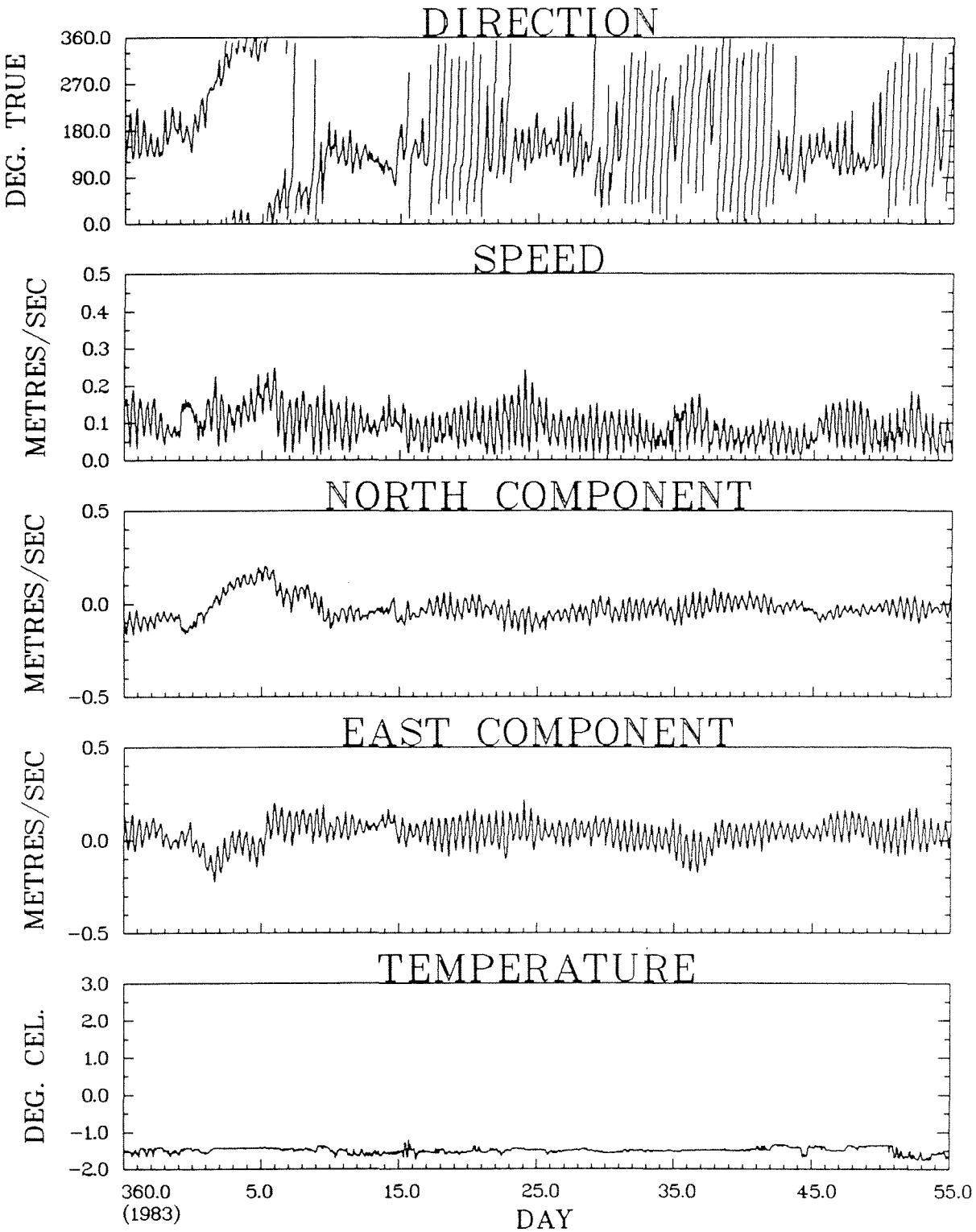
	Samples	T	R	V	U
September	607	-1.51±0.06	0.124±.062	0.003±.096	0.061±.080
October	744	-1.44±0.05	0.134±.057	-.015±.090	0.042±.106
November	720	-1.40±0.14	0.145±.071	0.018±.077	0.125±.066
December	744	-1.43±0.05	0.103±.045	-.016±.058	0.064±.070
January	744	-1.50±0.07	0.102±.048	0.019±.063	0.040±.083
February	696	-1.51±0.11	0.071±.036	0.002±.046	0.034±.056
March	744	-1.56±0.04	0.063±.027	-.009±.040	0.010±.054
April	720	-1.62±0.11	0.082±.038	0.003±.052	-.040±.062
May	744	-1.66±0.06	0.066±.026	-.003±.047	0.009±.053
June	720	-1.64±0.05	0.063±.027	-.006±.044	0.021±.049
July	744	-1.62±0.05	0.096±.051	-.011±.080	-.007±.072
August	744	-1.44±0.12	0.201±.110	-.007±.121	0.162±.108
September	691	-1.32±0.20	0.365±.113	-.030±.101	0.350±.112



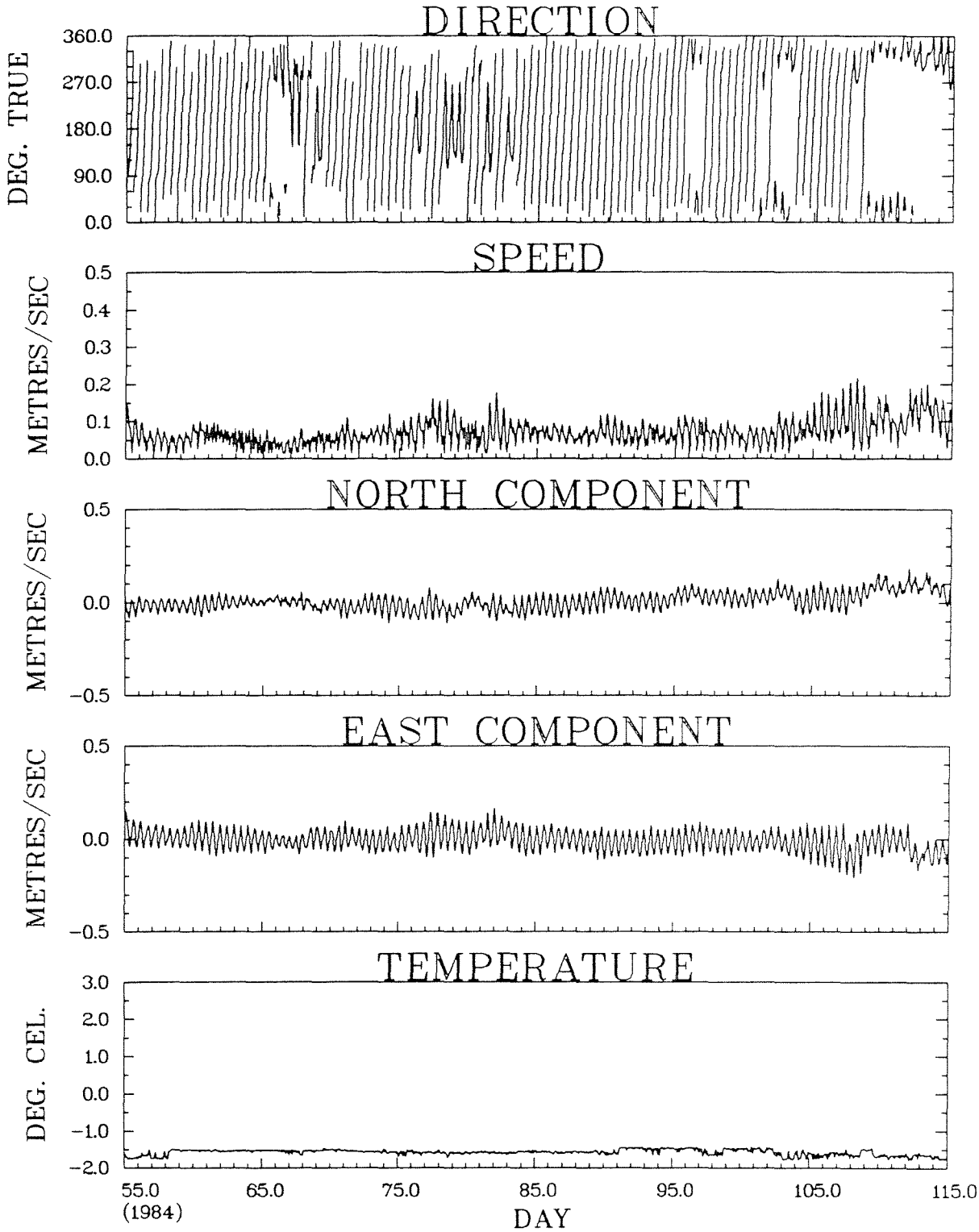
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



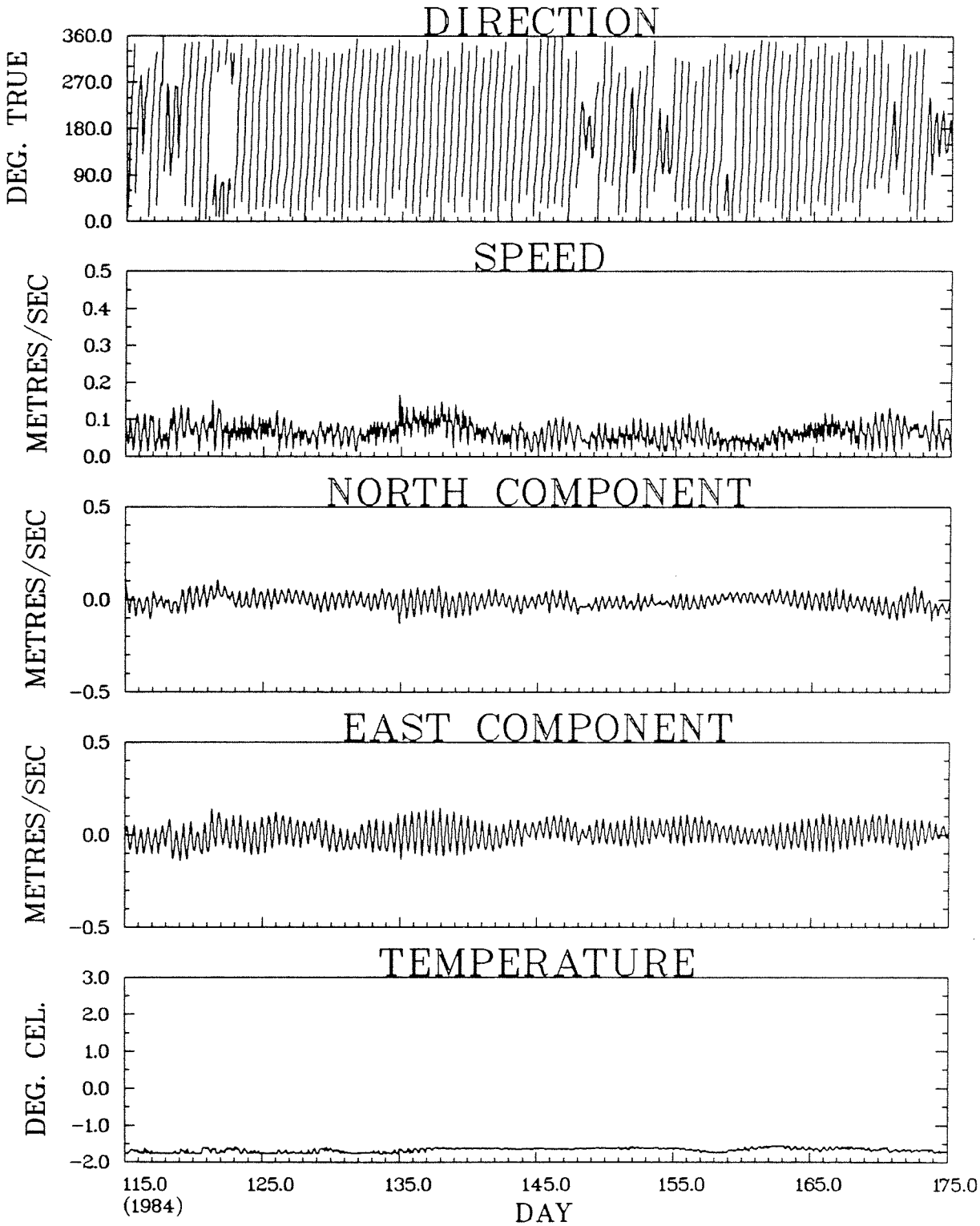
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



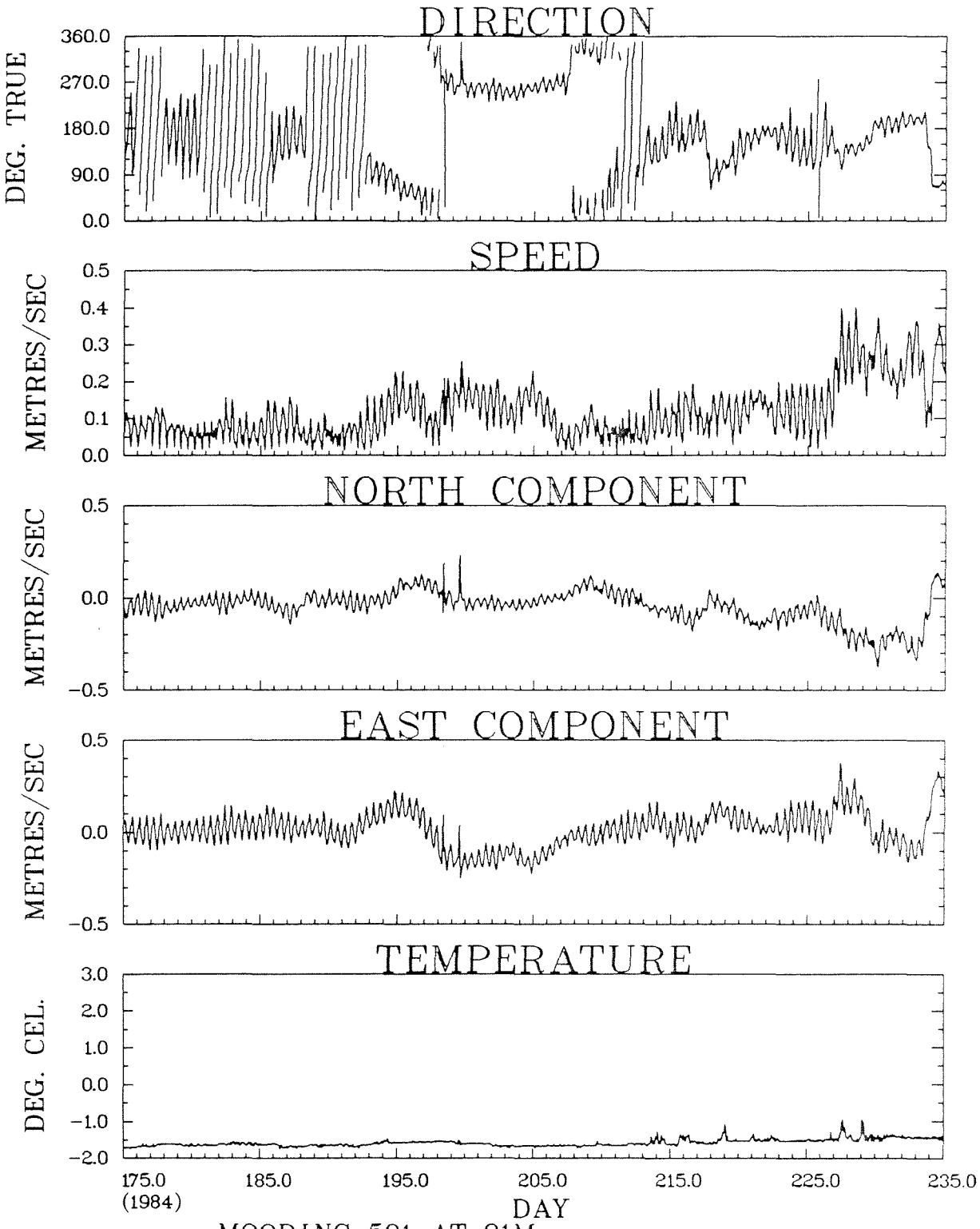
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



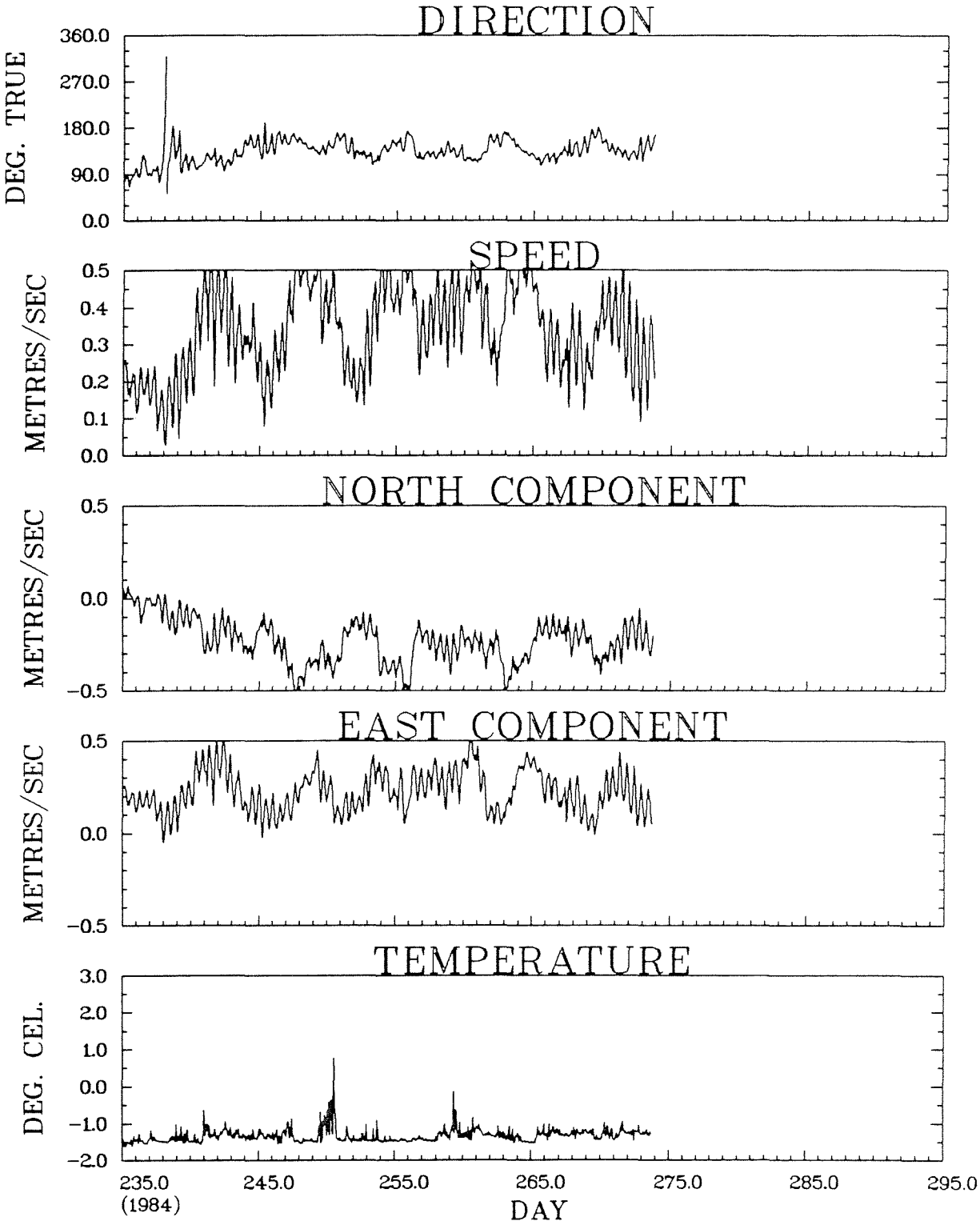
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



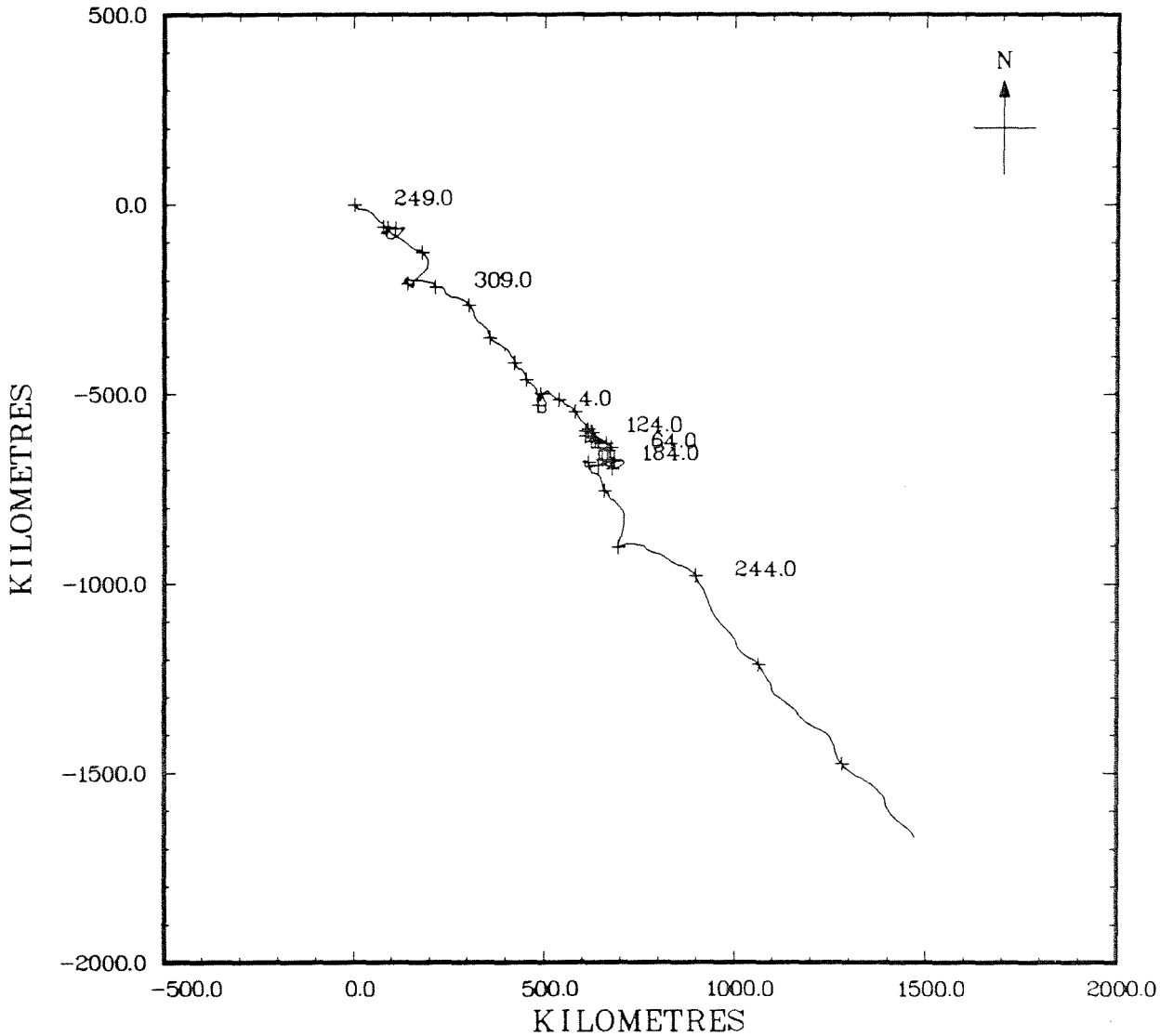
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



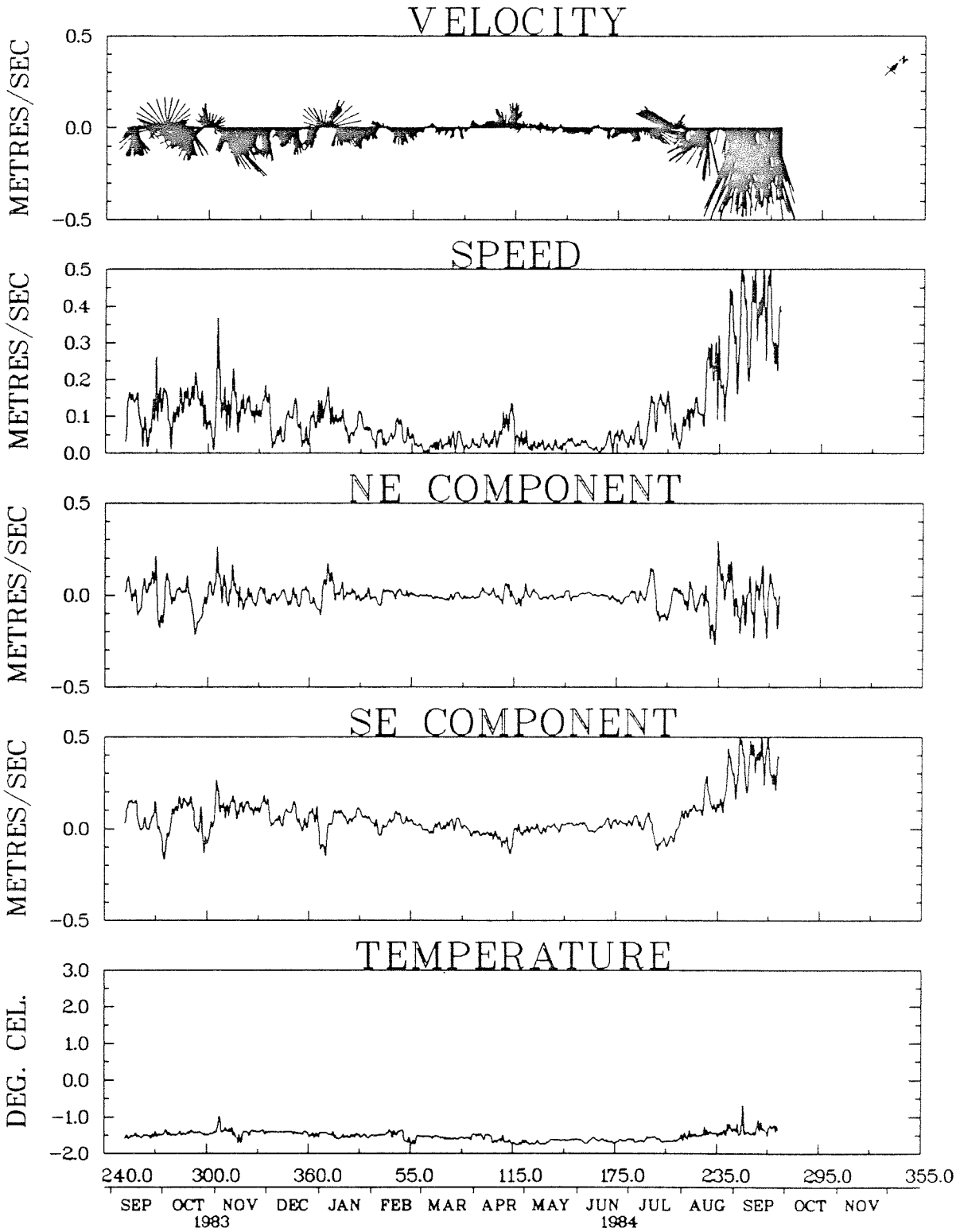
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



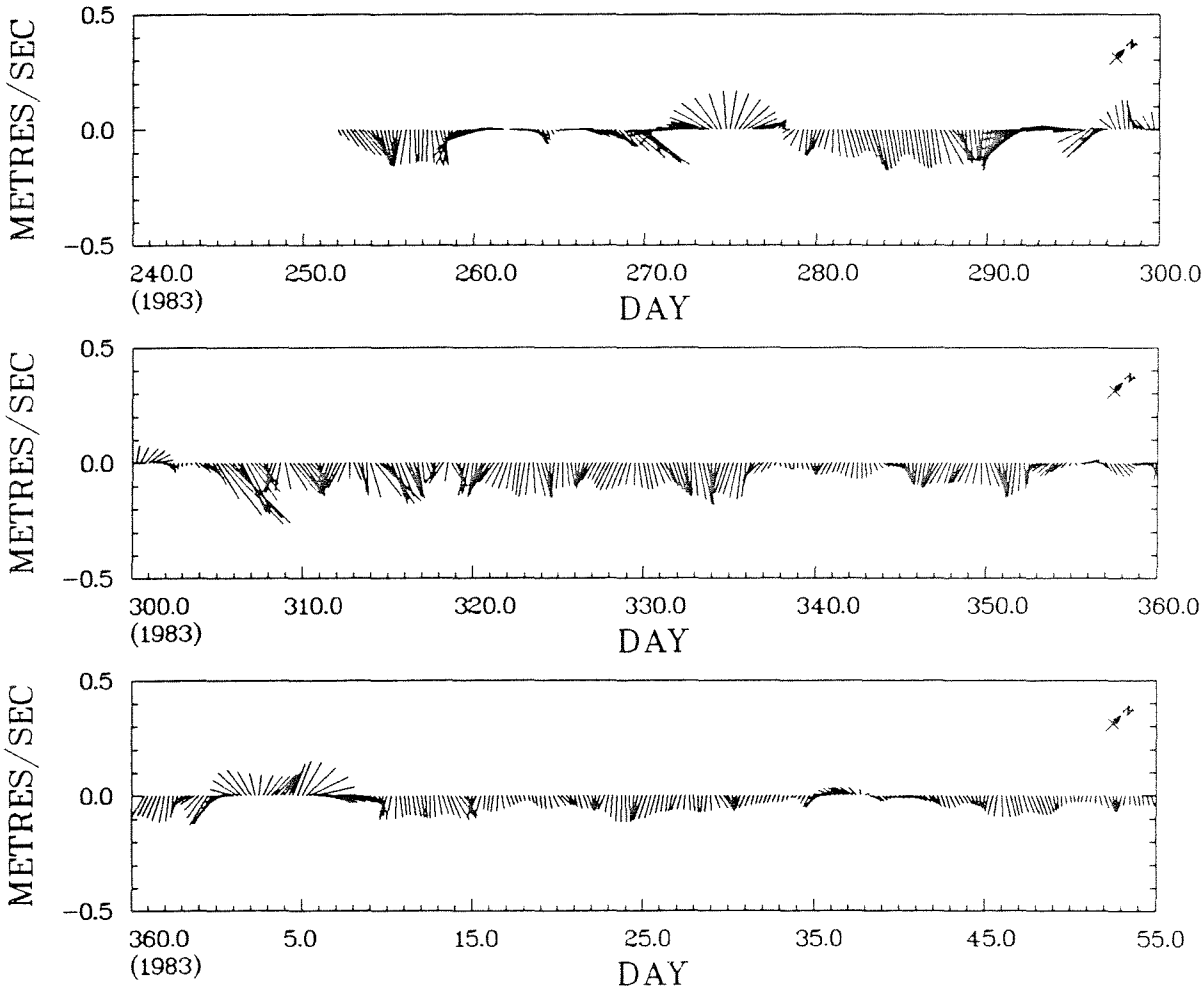
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



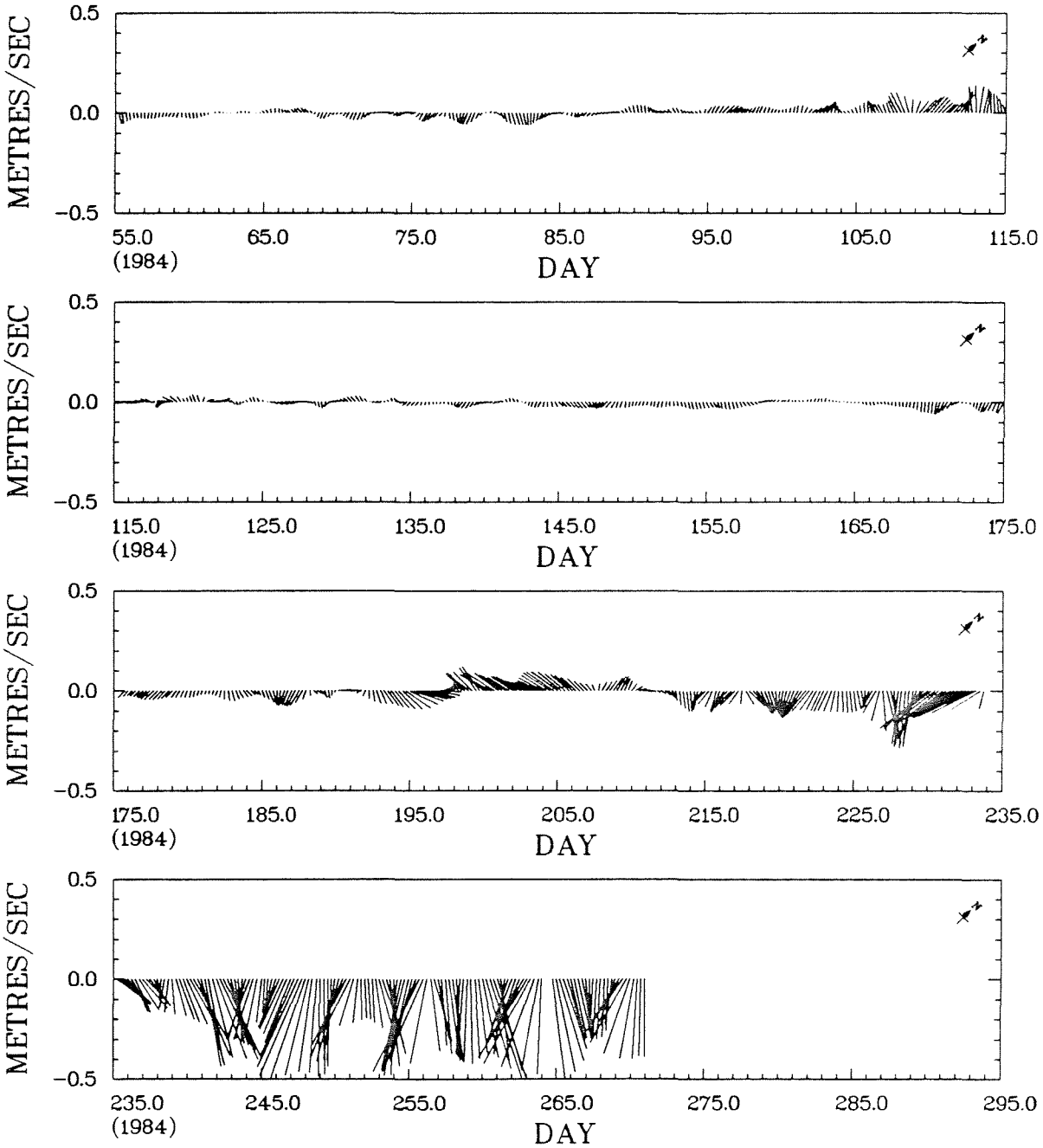
MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 81M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 81M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

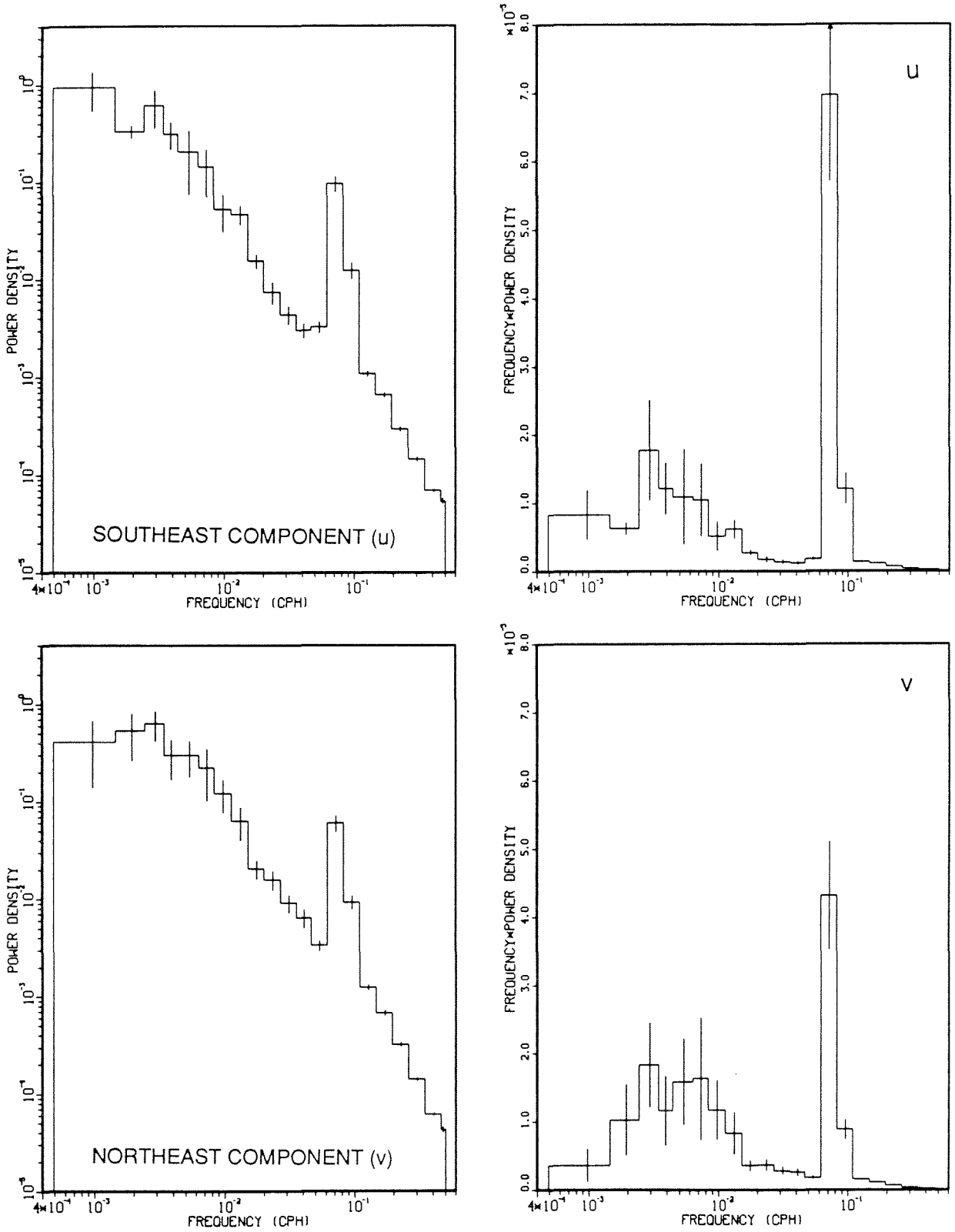


MOORING '581 AT 81M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 581
Depth 81 m

Tidal Analysis
390.1 d centered at day 78, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.003	.001	101	39	C	.002	24	.002	47
O1	.002	.000	9	248	C	.002	250	.001	63
M2	.068	.033	104	254	C	.045	215	.060	271
S2	.019	.004	97	308	C	.012	292	.015	317
N2	.012	.004	115	224	C	.006	179	.011	232
MF	.018	.005	177	44	C	.013	241	.014	30
M4	.001	.001	74	87	C	.001	69	.001	133
MS4	.000	.000	108	172	C	.000	161	.000	175



MOORING 581 AT 81M
NORTHWEST BAFFIN BAY 1983/4

Mooring 581
Depth 181 m

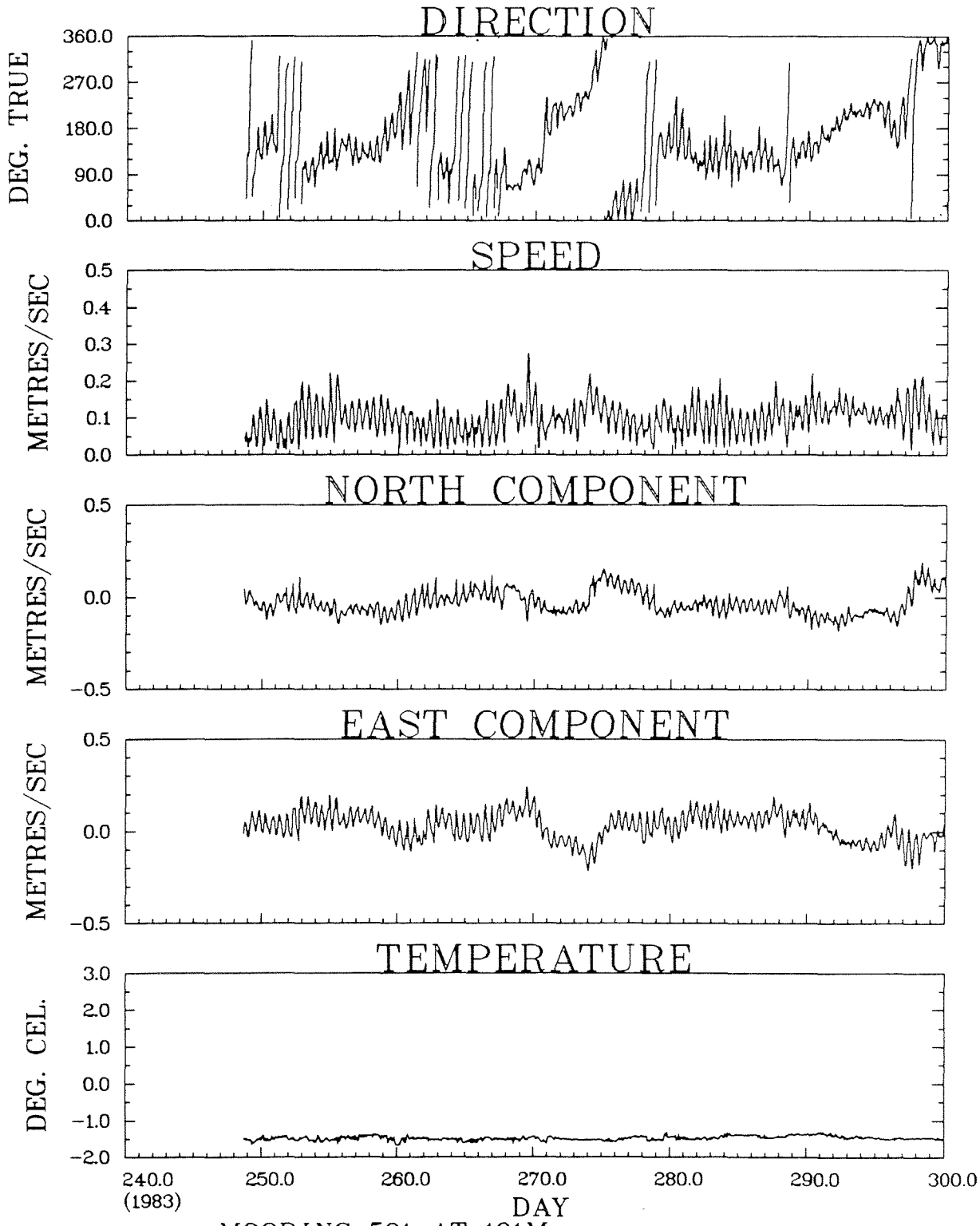
Latitude	71° 55.2N	Deployment	1542Z 5 Sept., 1983
Longitude	71° 13.8W	Recovery	1840Z 29 Sept., 1984
Water Depth	981 m	Duration	389 d

RECORD LENGTH STATISTICS

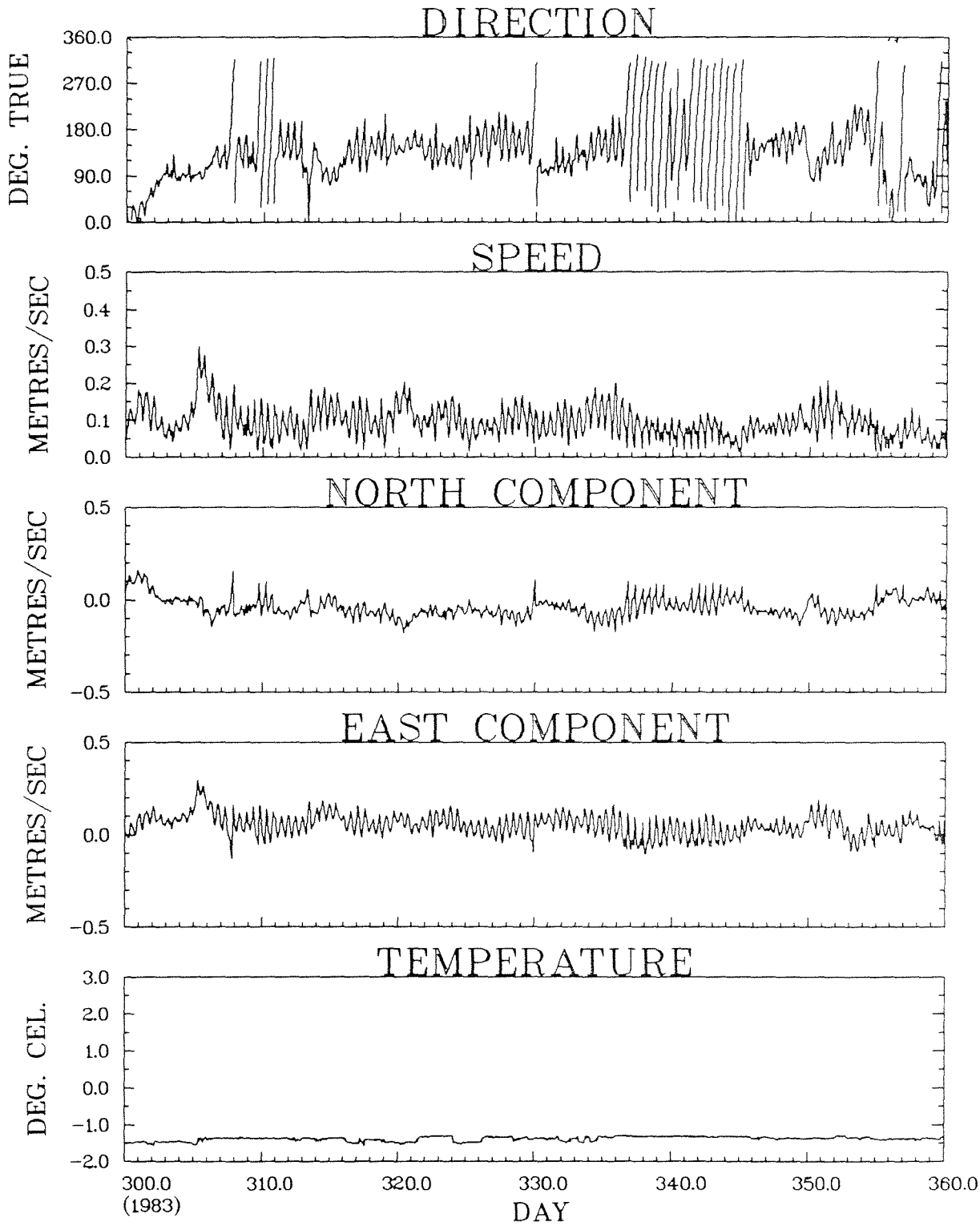
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	9362	181	242	185	1.6
Temperature (T)	°C	9362	-1.80	-1.18	-1.44	0.10
Speed (R)	ms^{-1}	9362	0.015	0.365	0.089	0.063
Northeast Component (V)	ms^{-1}	9362	-.328	0.283	-.002	0.056
Southeast Component (U)	ms^{-1}	9362	-.218	0.354	0.038	0.085

MONTHLY MEANS

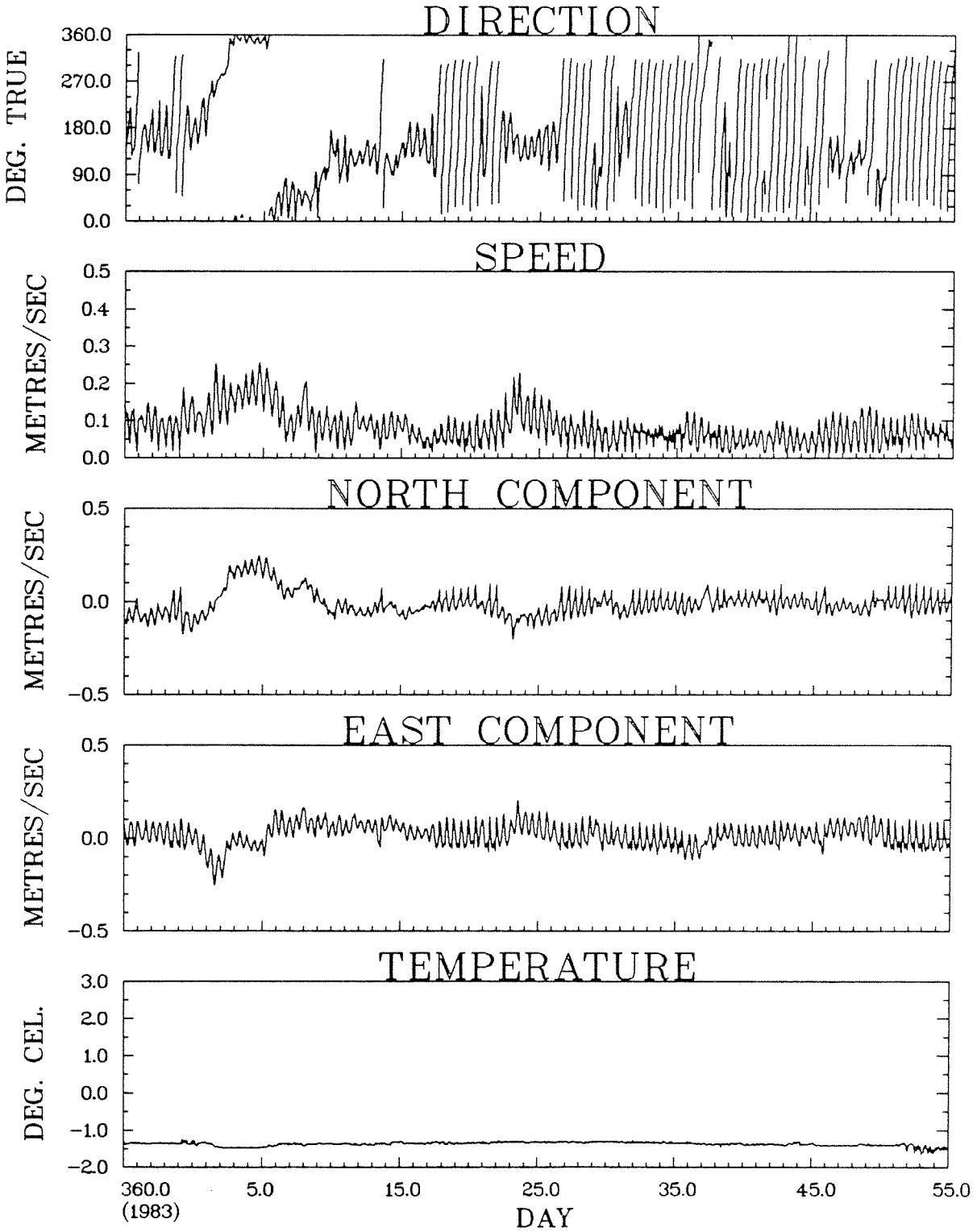
	Samples	T	R	V	U
September	607	-1.50±0.06	0.093±.045	0.002±.065	0.049±.064
October	744	-1.46±0.06	0.104±.040	0.006±.073	0.032±.078
November	720	-1.40±0.06	0.106±.046	0.008±.051	0.090±.052
December	744	-1.35±0.03	0.083±.036	-.013±.051	0.046±.056
January	744	-1.36±0.05	0.096±.051	0.018±.065	0.019±.083
February	696	-1.39±0.05	0.055±.029	-.003±.039	0.007±.047
March	744	-1.36±0.03	0.048±.019	-.013±.033	-.009±.037
April	720	-1.48±0.12	0.066±.033	0.021±.041	-.045±.036
May	744	-1.55±0.07	0.037±.019	0.002±.024	-.018±.029
June	720	-1.52±0.09	0.048±.019	-.008±.036	-.001±.036
July	744	-1.52±0.09	0.065±.032	-.016±.054	0.009±.045
August	744	-1.43±0.07	0.149±.069	-.008±.087	0.119±.072
September	691	-1.42±0.09	0.220±.062	-.021±.056	0.211±.064



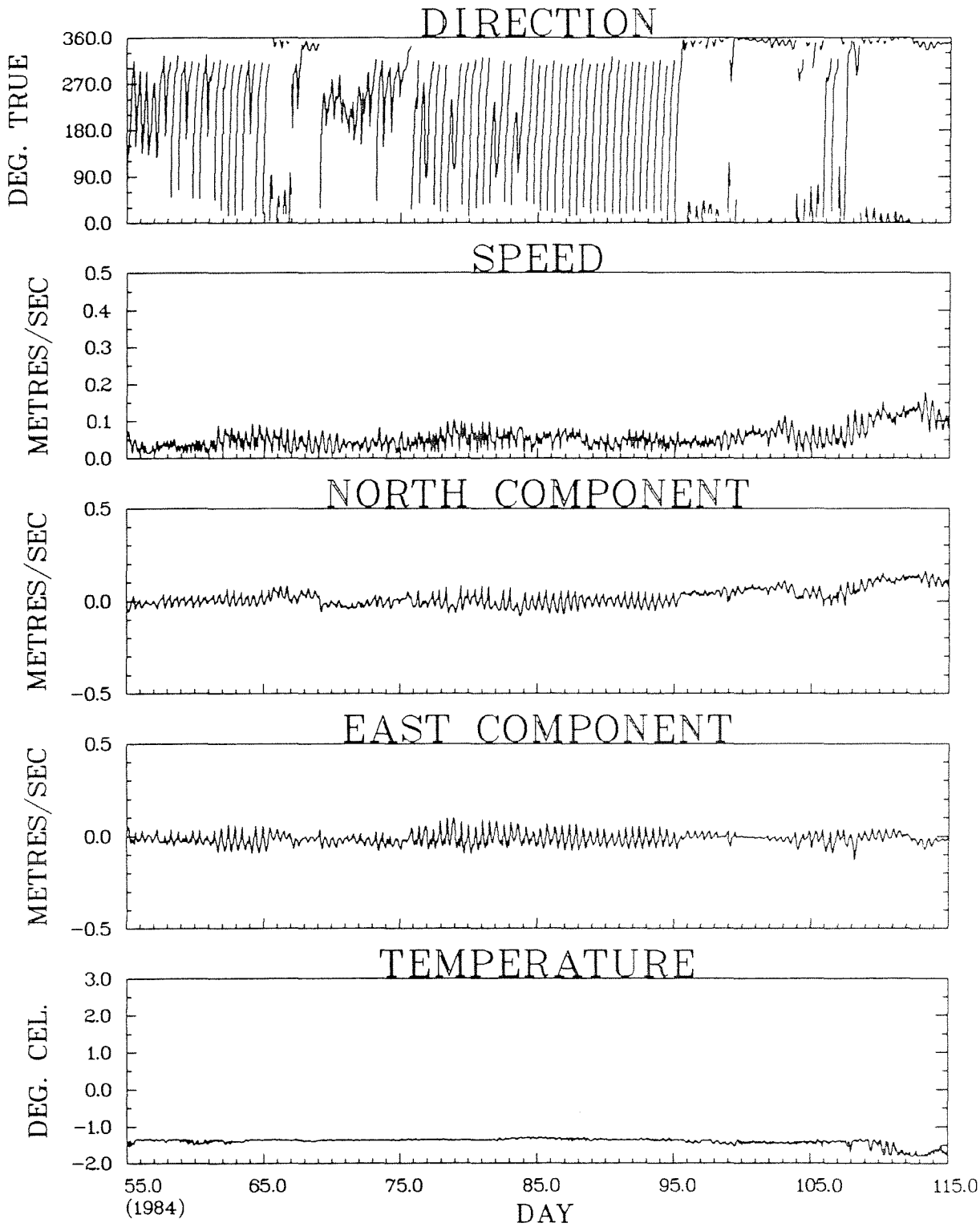
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



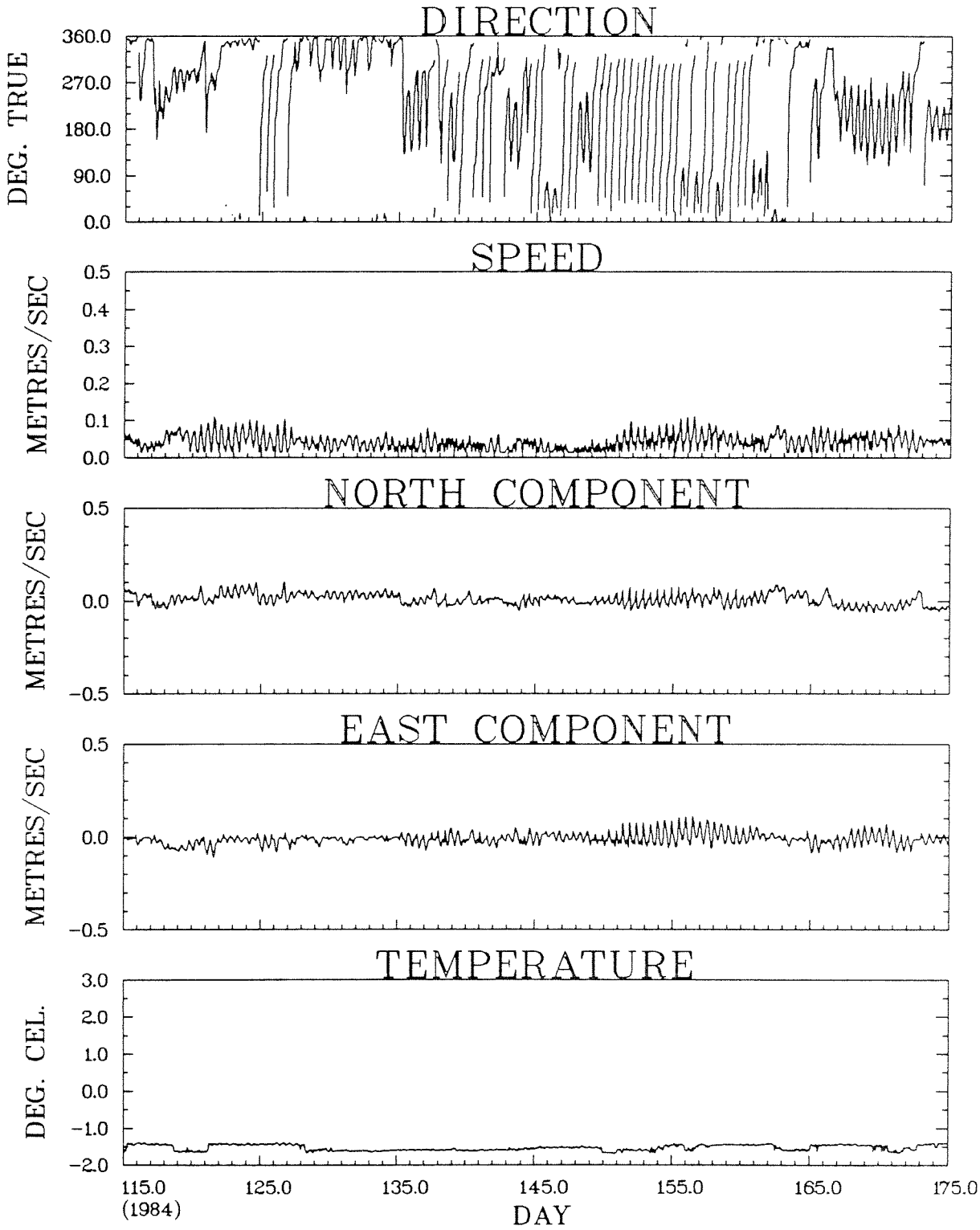
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



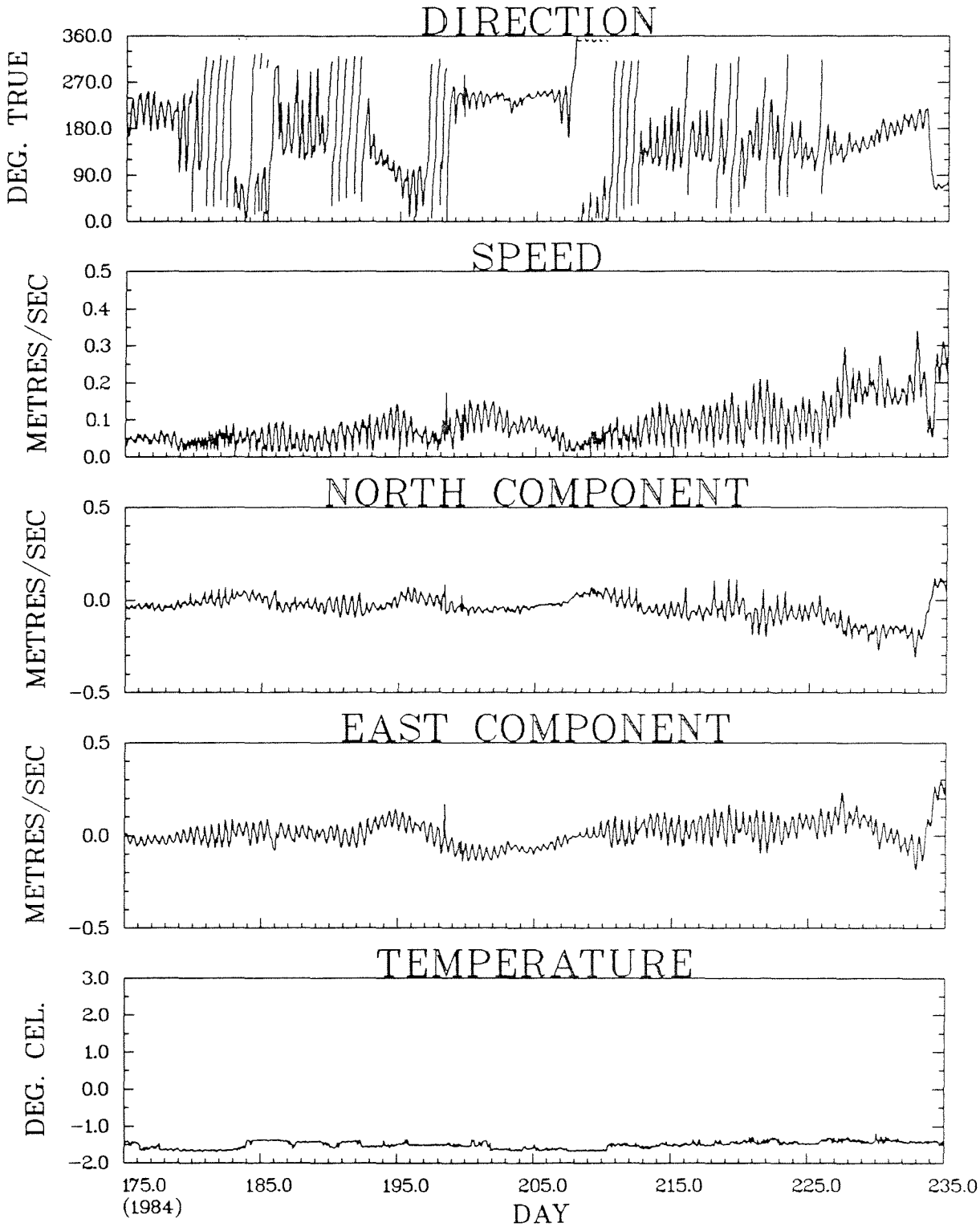
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



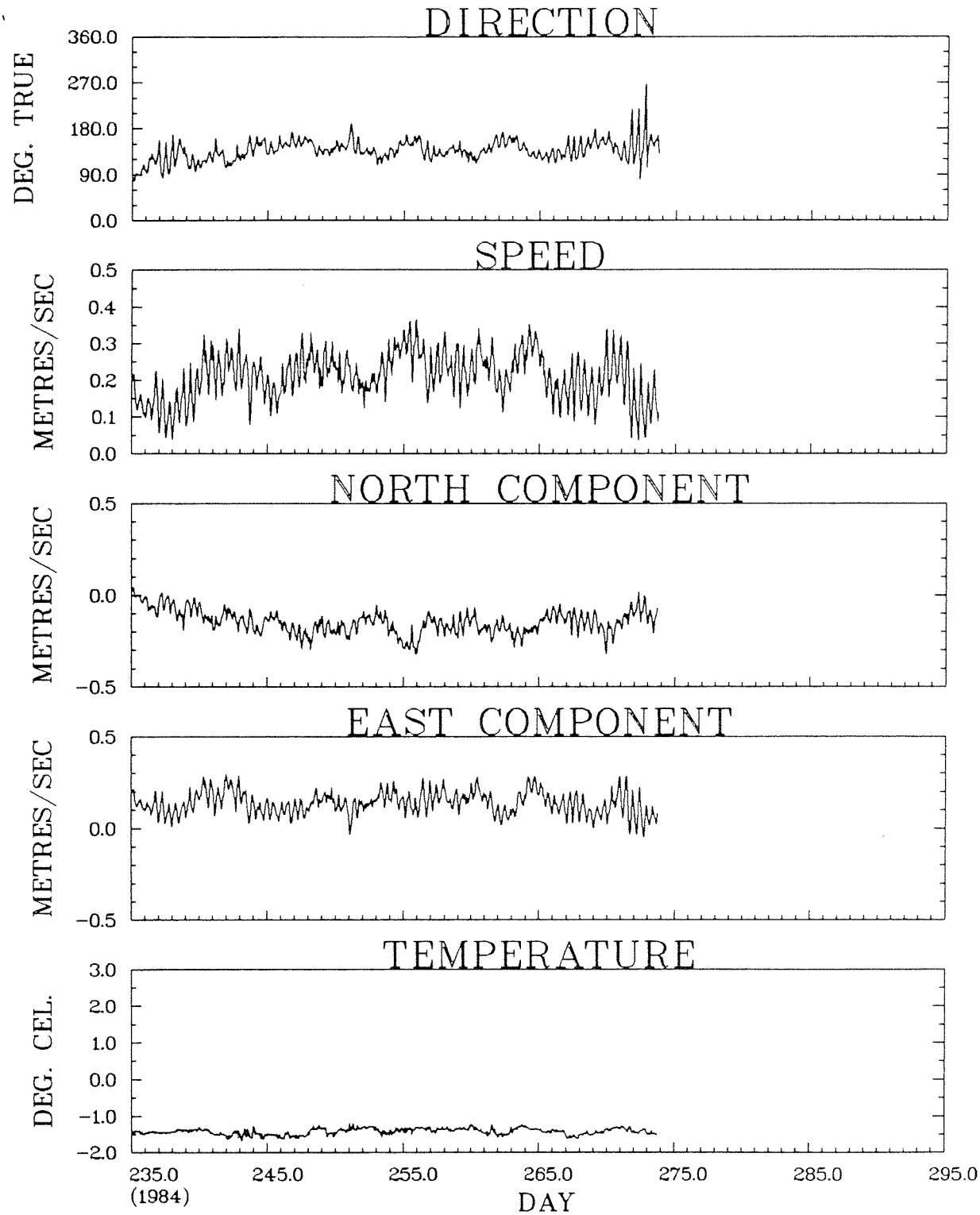
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



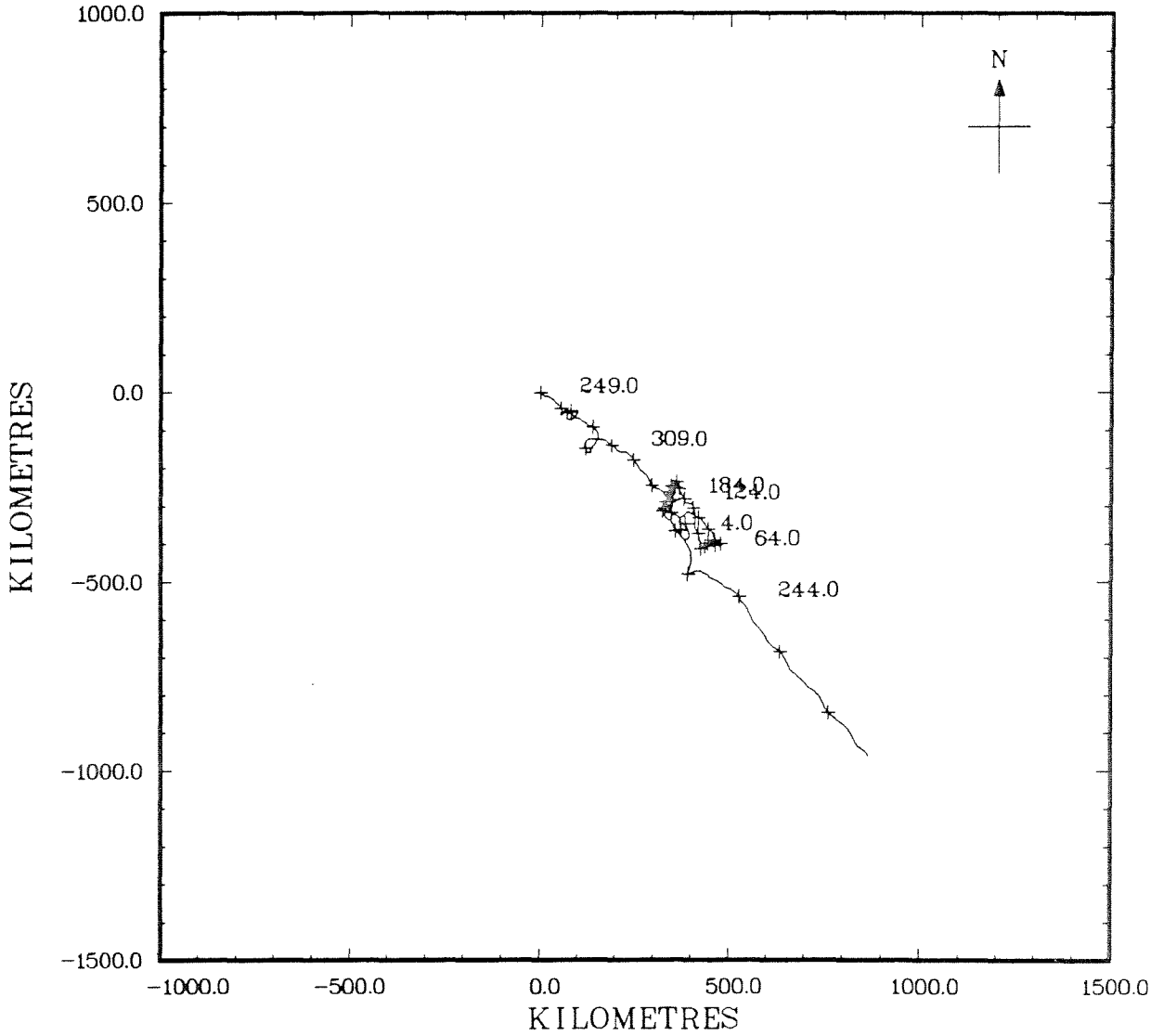
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



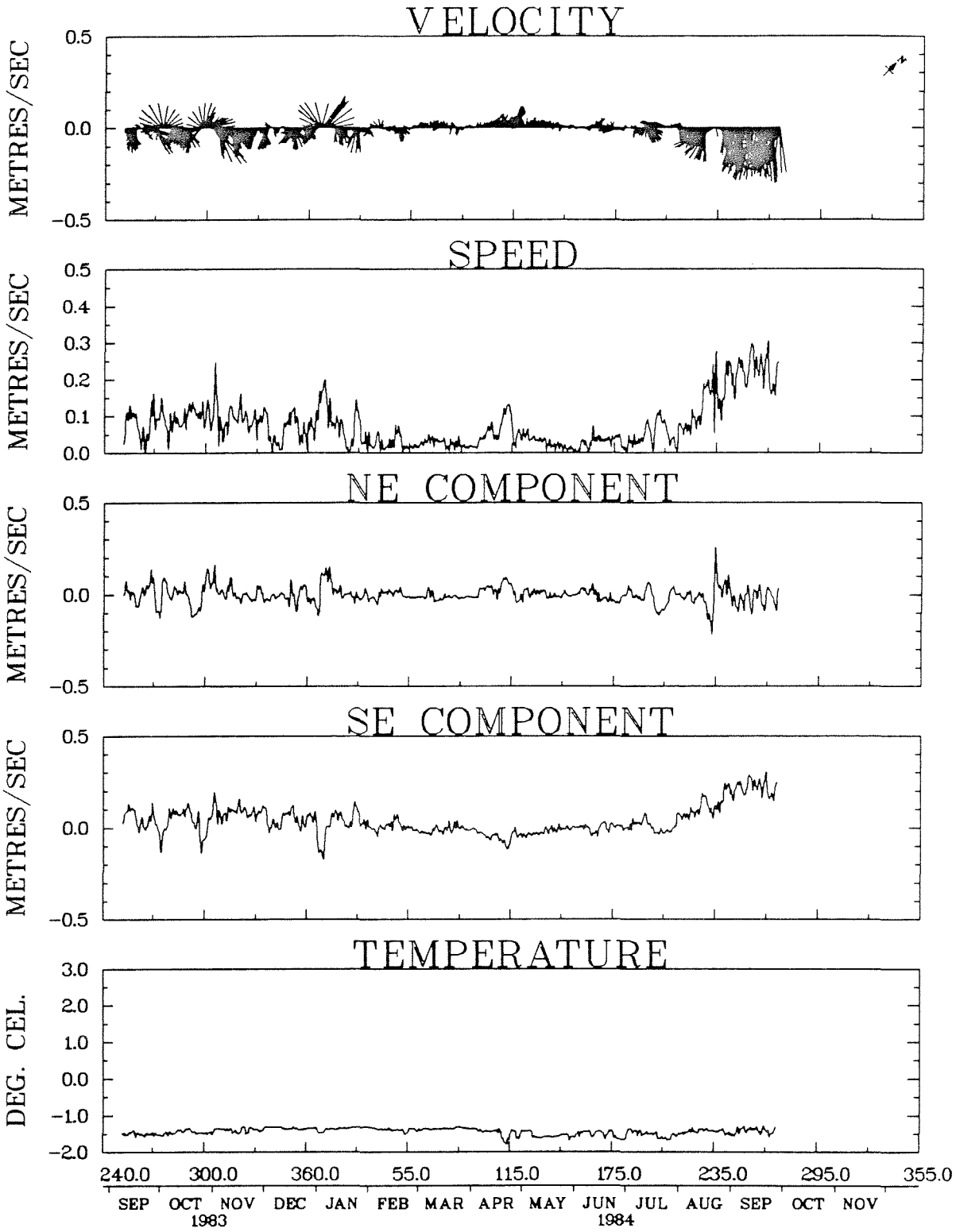
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



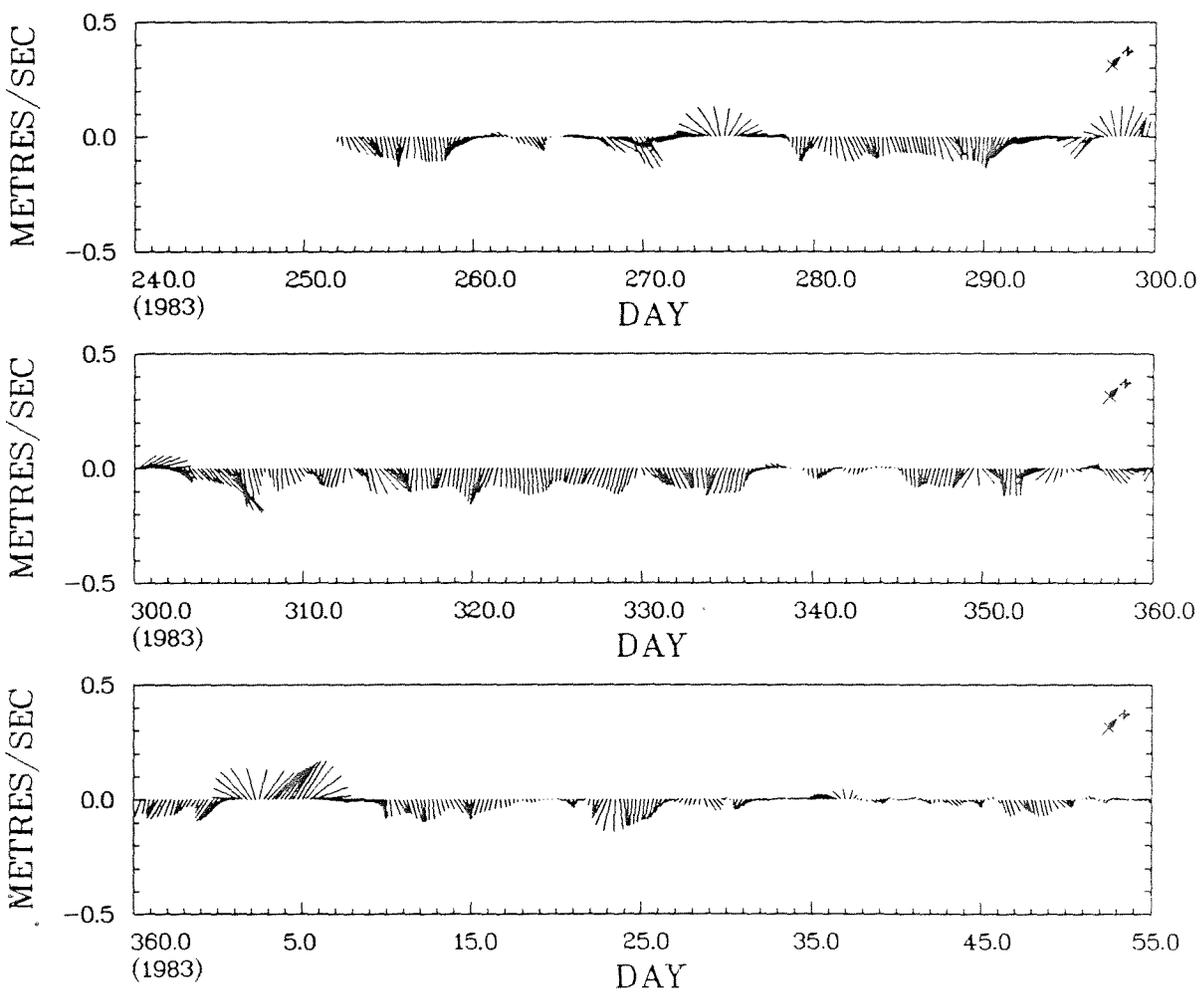
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



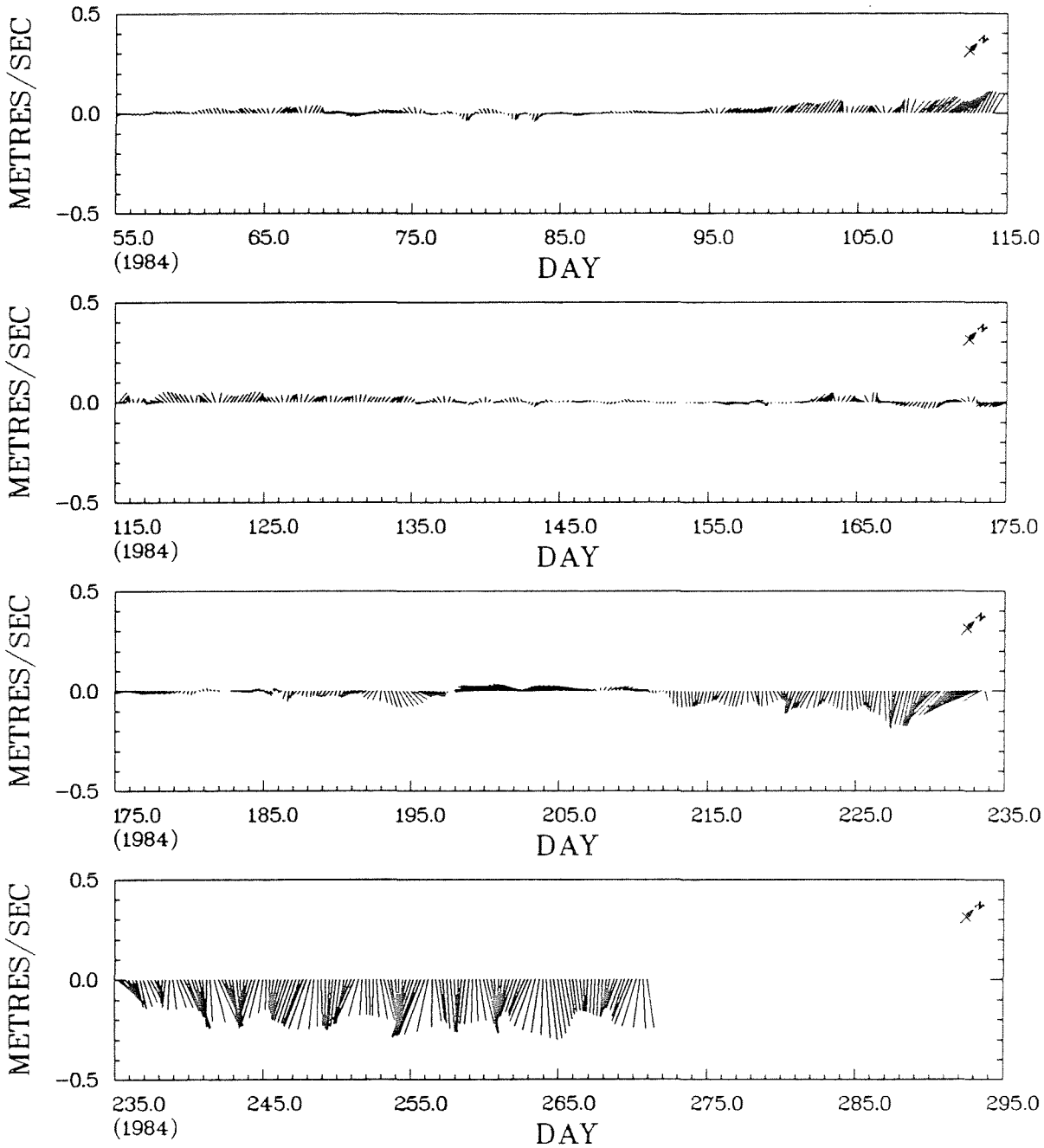
MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 181M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 181M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

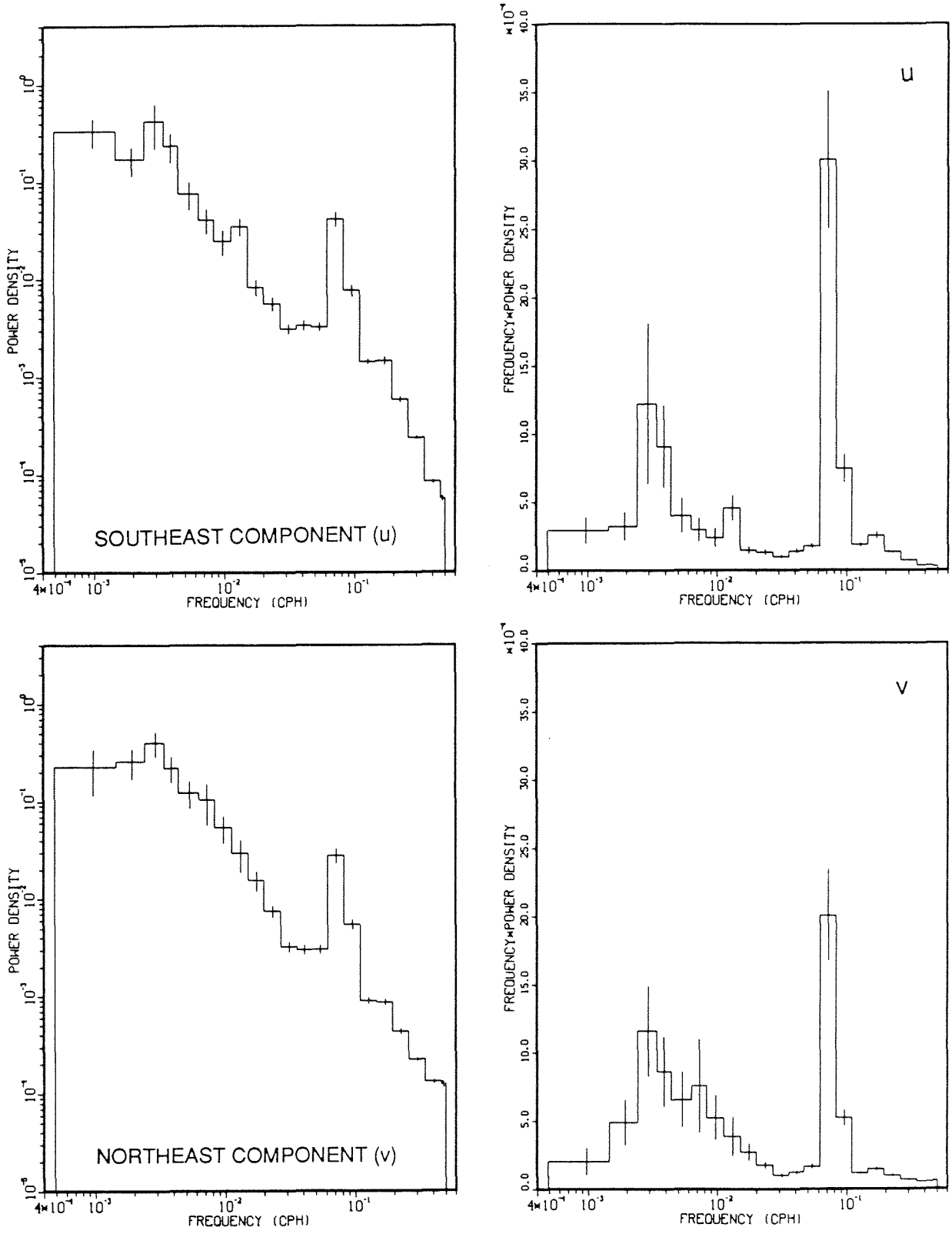


MOORING 581 AT 181M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 581
Depth 181 m

Tidal Analysis
390.1 d centered at day 78, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.003	.001	104	34	C	.002	356	.002	49
O1	.002	.000	148	115	A	.000	279	.002	116
M2	.039	.016	101	266	C	.025	235	.034	281
S2	.012	.002	102	313	C	.007	297	.010	319
N2	.009	.004	128	234	C	.004	161	.009	237
MF	.017	.007	174	30	C	.012	237	.014	12
M4	.003	.002	128	246	C	.002	167	.003	251
MS4	.001	.001	122	286	C	.001	228	.001	291



MOORING 581 AT 181M
NORTHWEST BAFFIN BAY 1983/4

Mooring 581
Depth 481 m

Latitude	71° 55.2N	Deployment	1542Z 5 Sept., 1983
Longitude	71° 13.8W	Recovery	1840Z 29 Sept., 1984
Water Depth	981 m	Duration	389 d

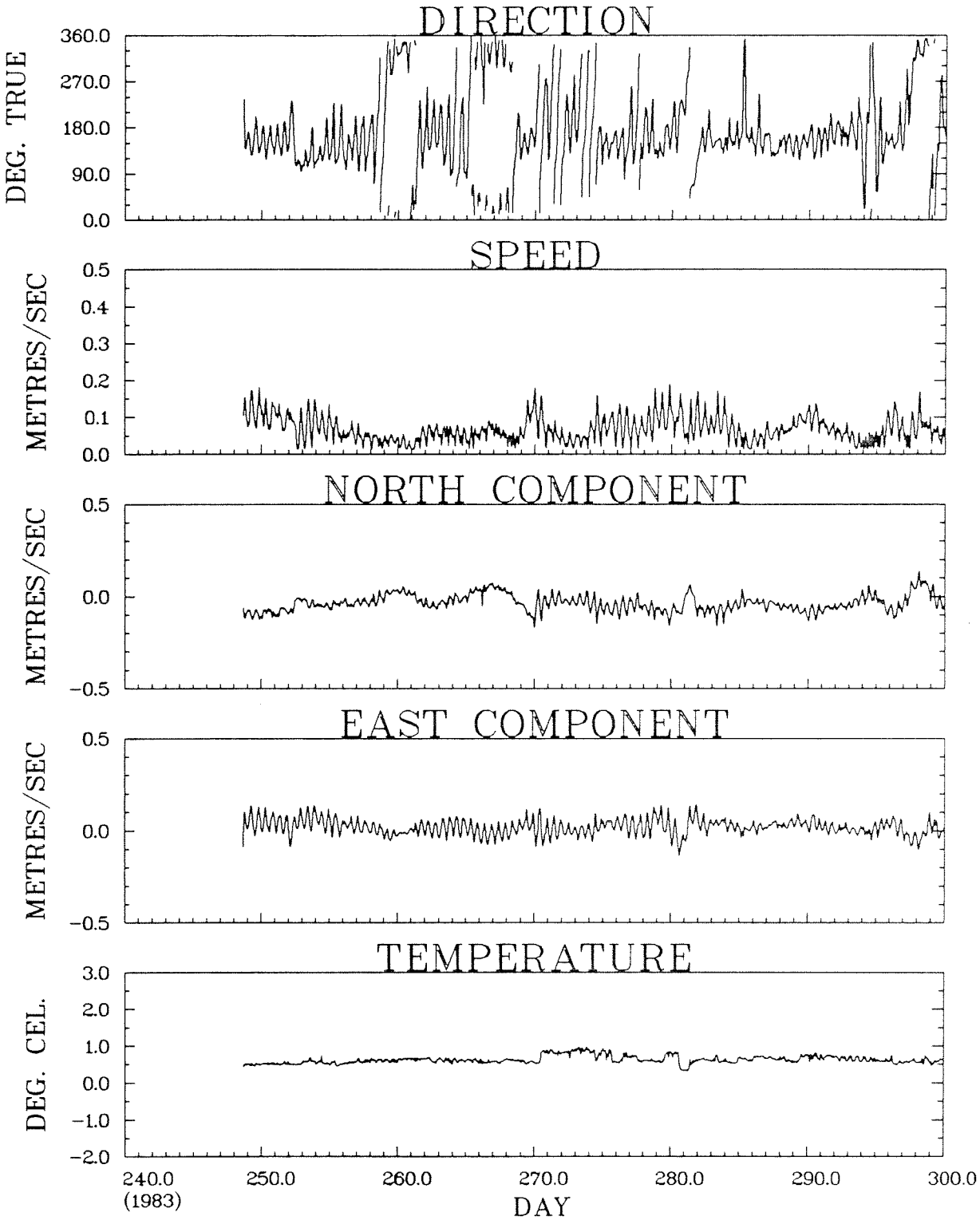
RECORD LENGTH STATISTICS

Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	9362	479	512	480	1.3
Temperature (T)	°C	9362	0.19	0.98	0.55	0.11
Speed (R)	ms^{-1}	9207	0.015	0.328	0.078	0.047
Northeast Component (V)	ms^{-1}	9207	-.180	0.140	-.017	0.029
Southeast Component (U)	ms^{-1}	9207	-.168	0.321	0.053	0.066

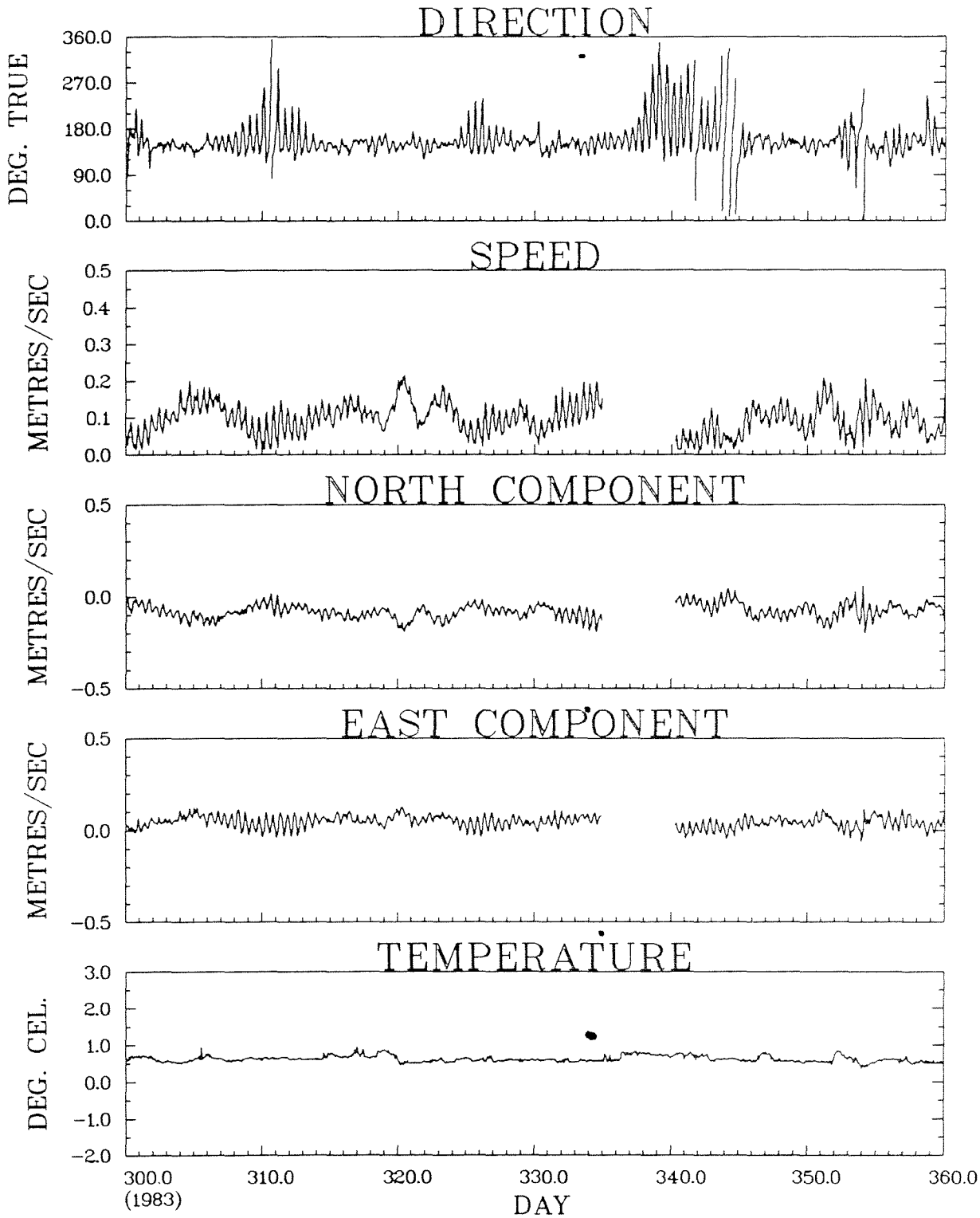
MONTHLY MEANS

	Samples	T	R	V	U
September	607	0.61±0.11	0.063±.035	-.006±.035	0.033±.053
October	744	0.64±0.10	0.075±.037	-.017±.033	0.053±.054
November	720	0.62±0.08	0.107±.040	-.025±.022	0.100±.043
December	744	0.61±0.10	0.087±.040	-.026±.026	0.076±.045
January	744	0.55±0.04	0.066±.036	-.018±.028	0.046±.050
February	696	0.54±0.03	0.048±.025	-.013±.026	0.003±.046
March	744	0.57±0.05	0.047±.027	-.007±.024	-.001±.048
April	720	0.58±0.06	0.052±.023	-.003±.028	-.003±.049
May	744	0.61±0.08	0.042±.021	-.000±.025	0.003±.040
June	720	0.53±0.05	0.059±.026	-.015±.023	0.038±.044
July	744	0.39±0.07	0.088±.032	-.028±.021	0.079±.037
August	744	0.43±0.11	0.146±.047	-.038±.029	0.138±.048
September	676[a]	0.42±0.10	0.135±.047	-.029±.033	0.127±.048

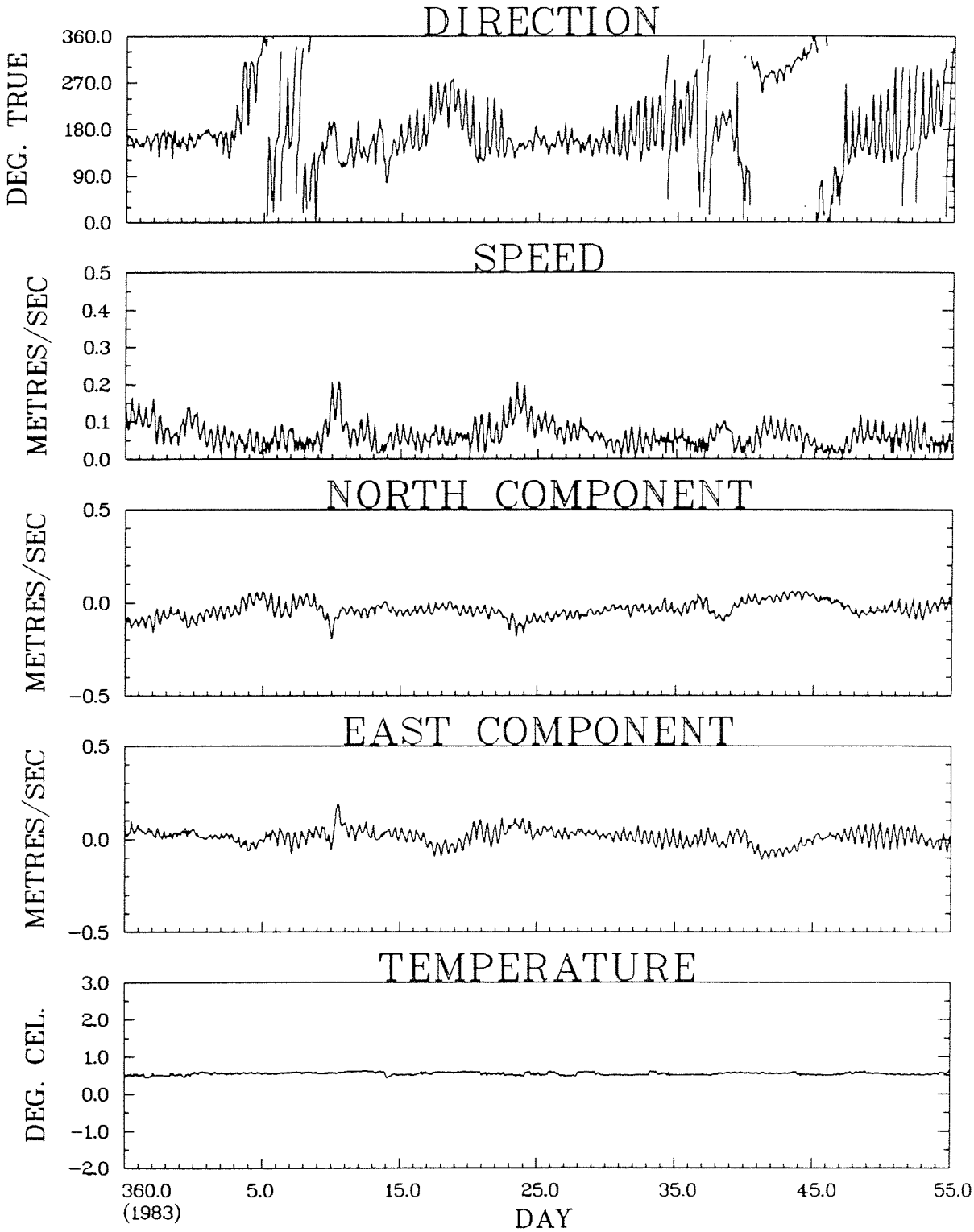
[a] T has 691 samples



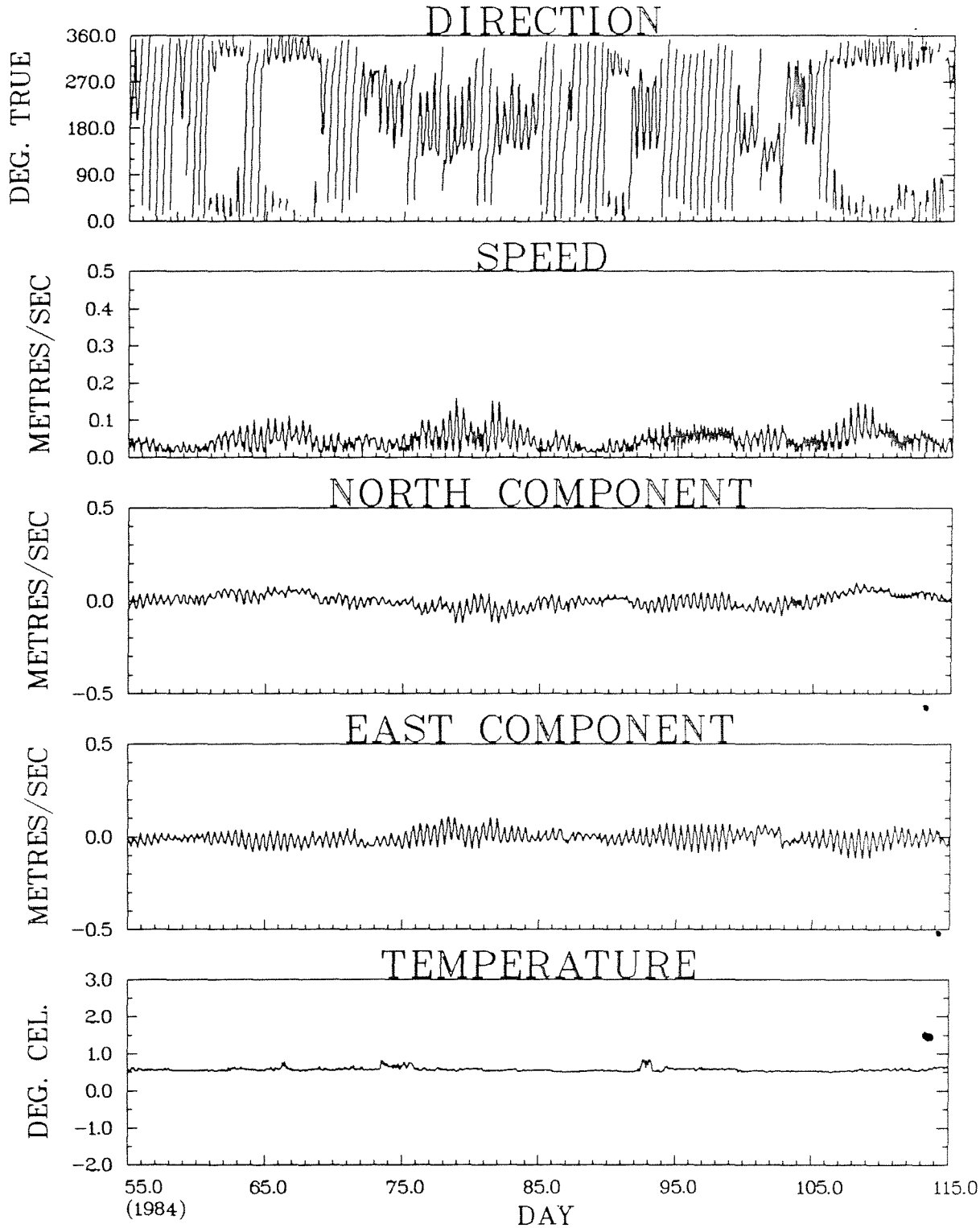
MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4



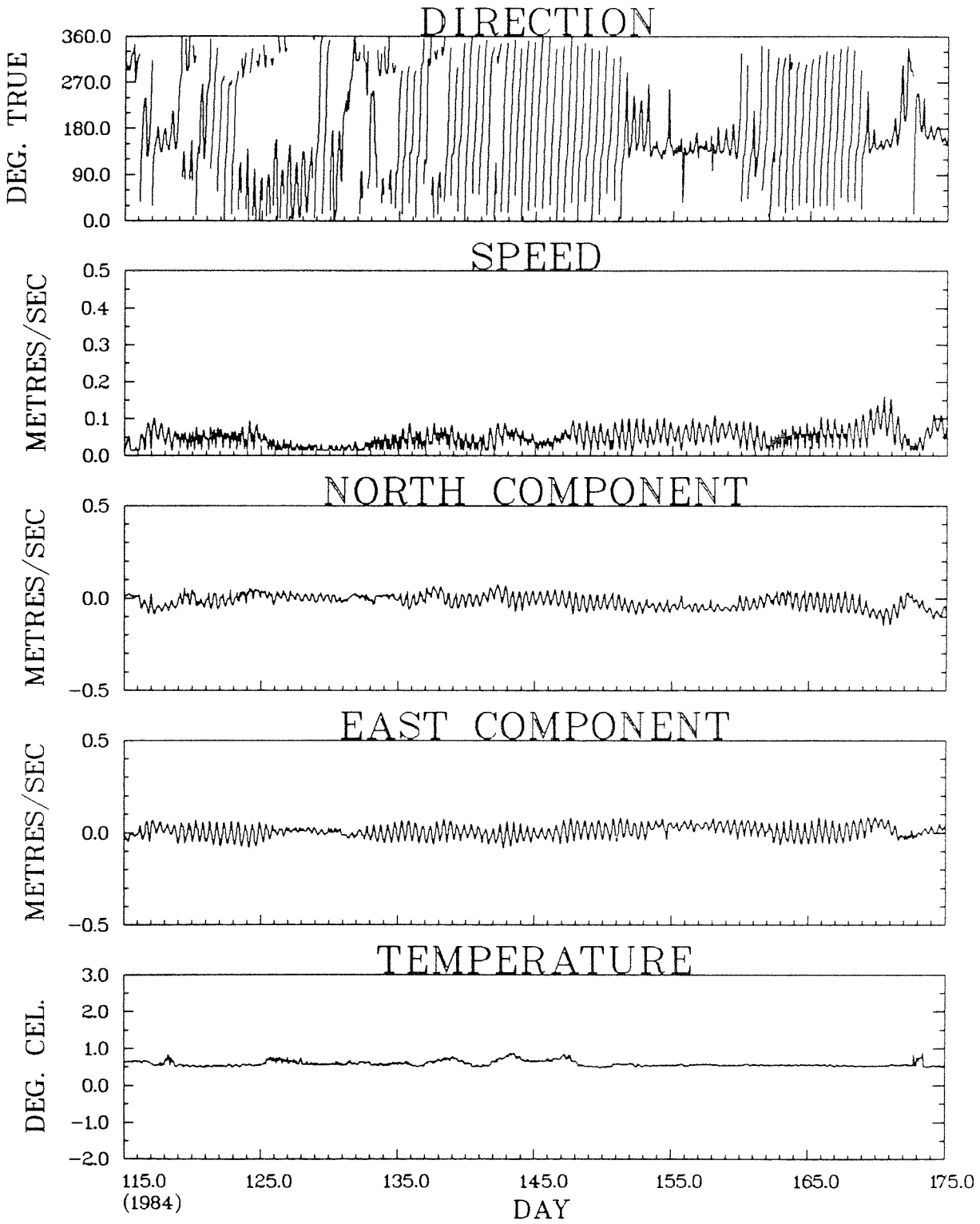
MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4



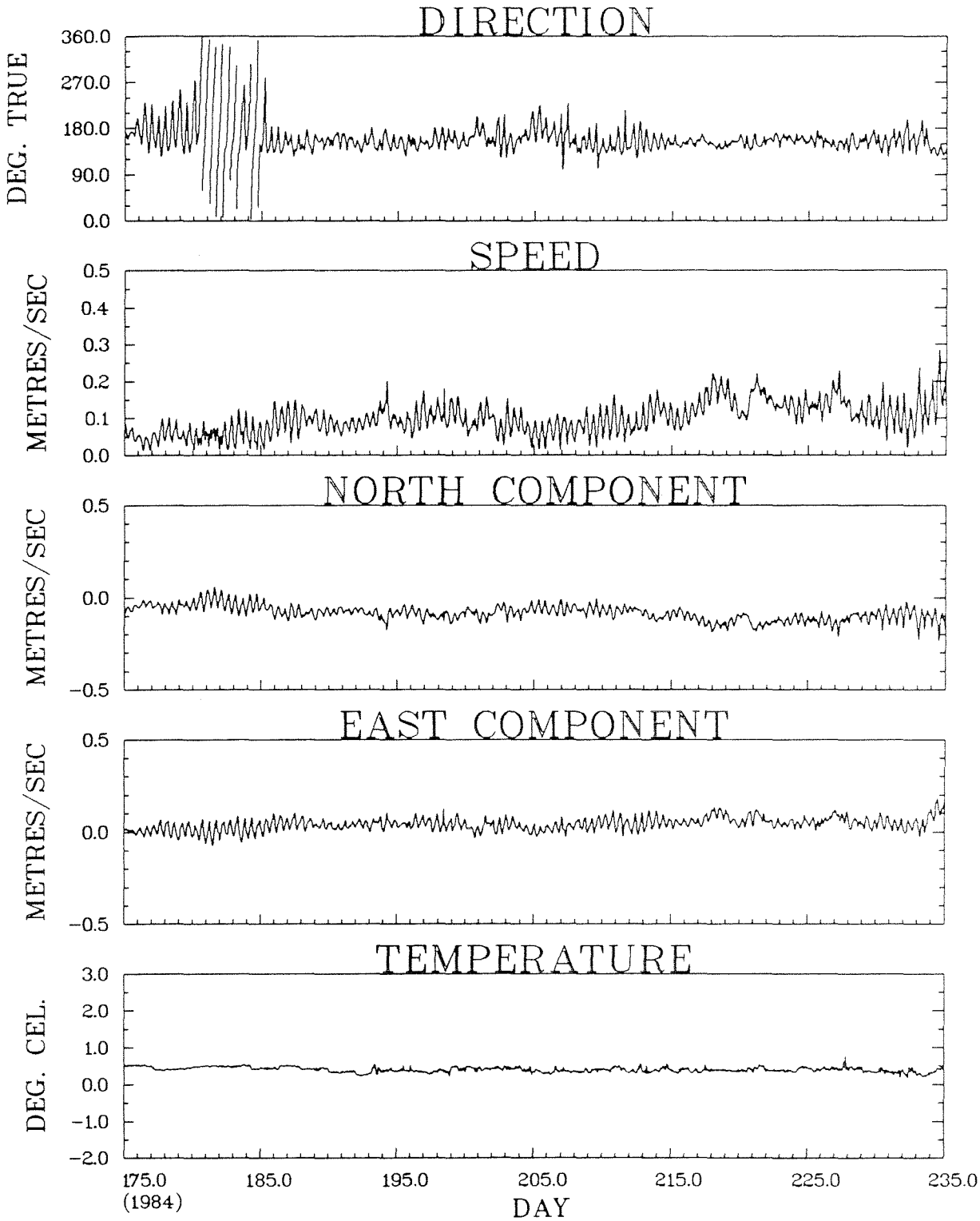
MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4



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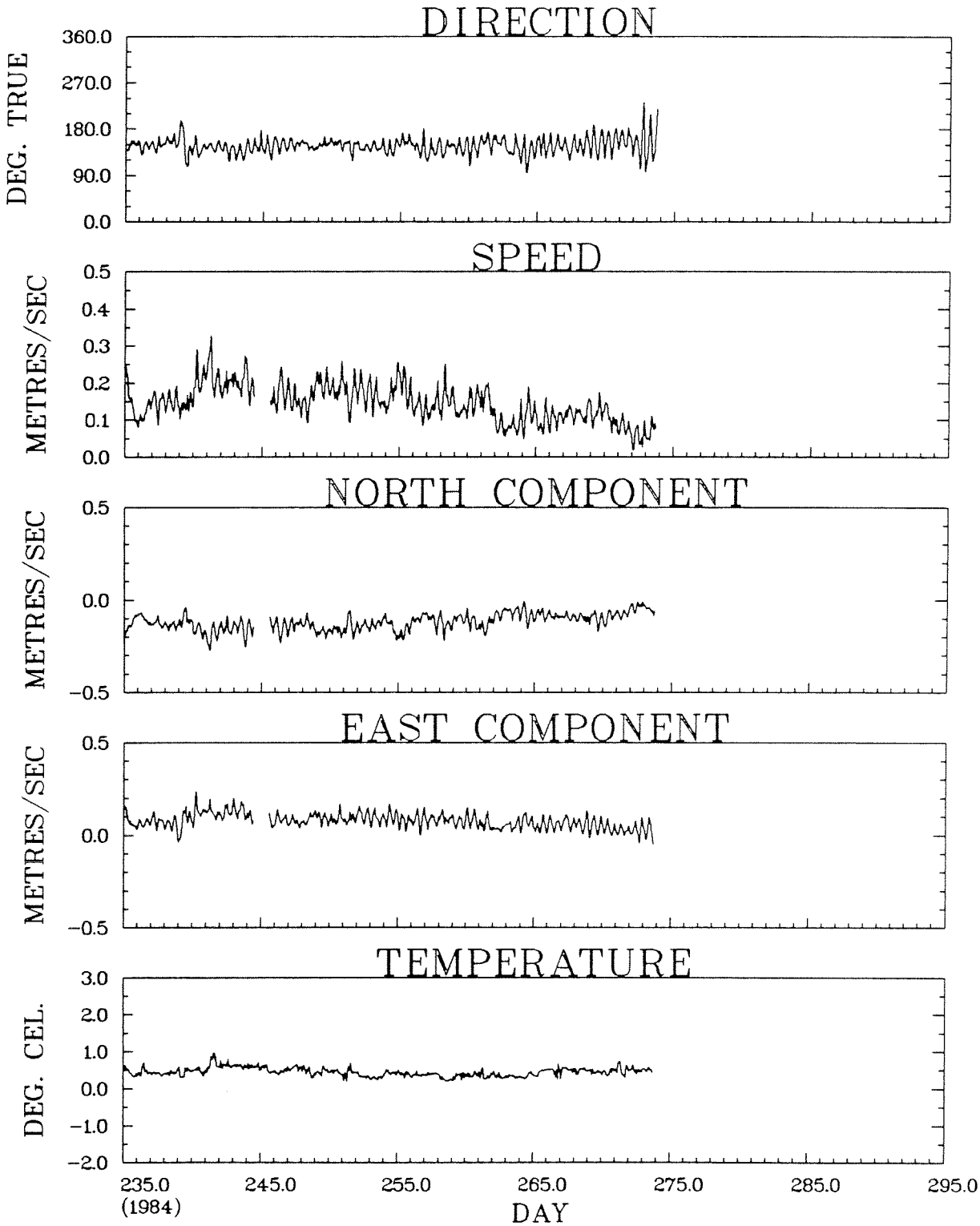
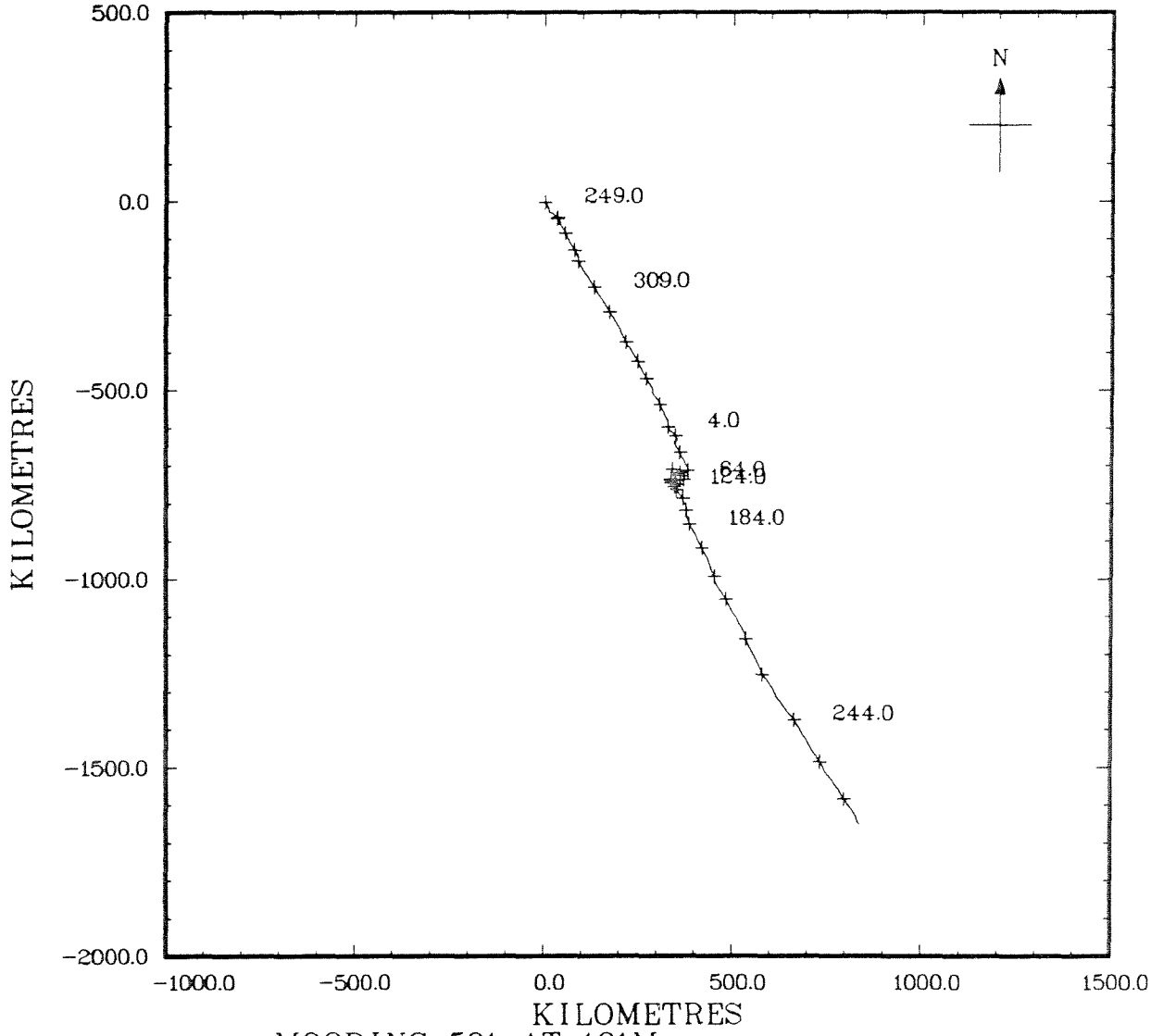
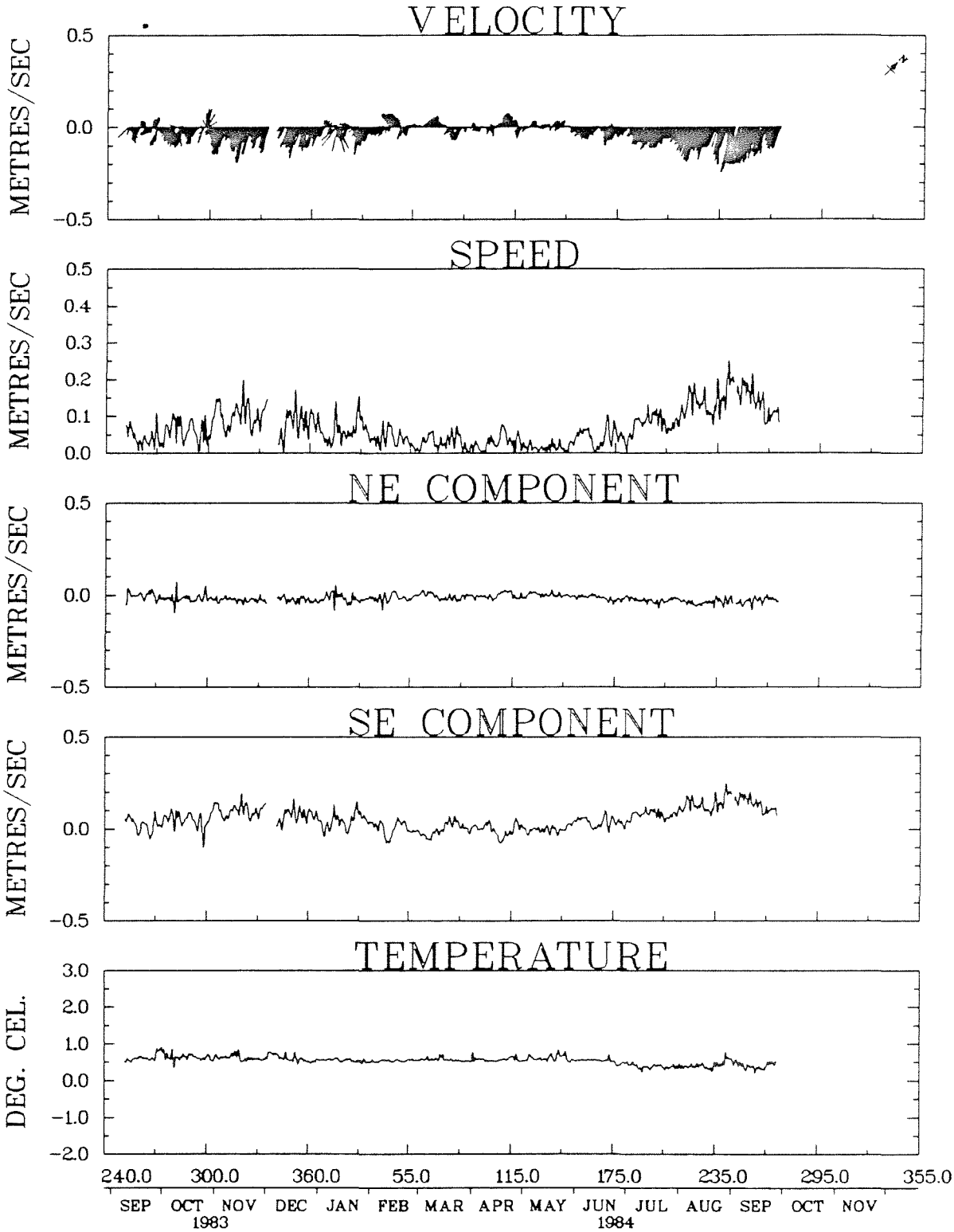
NORTHWEST BAFFIN BAY 1983/4



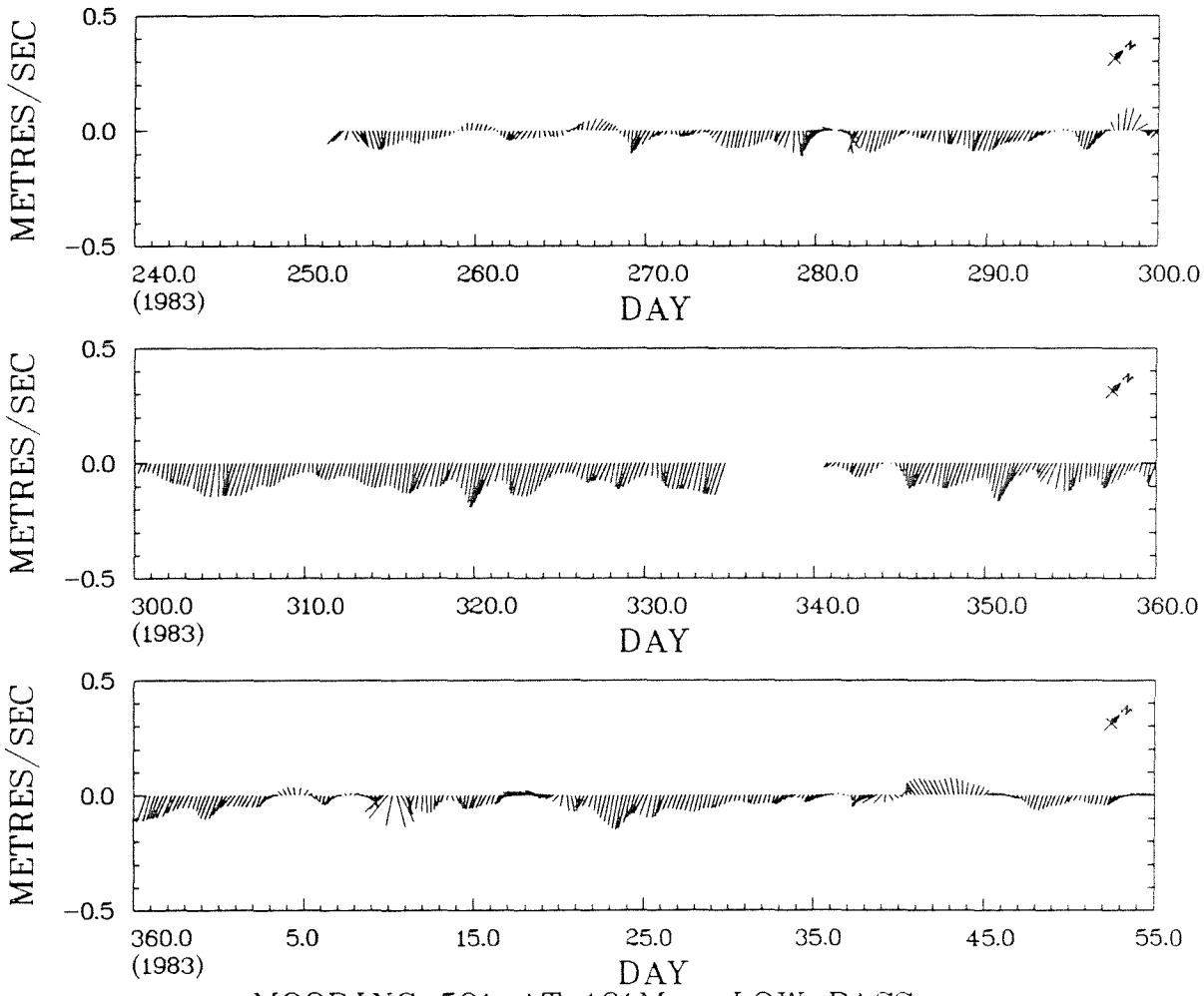
MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4



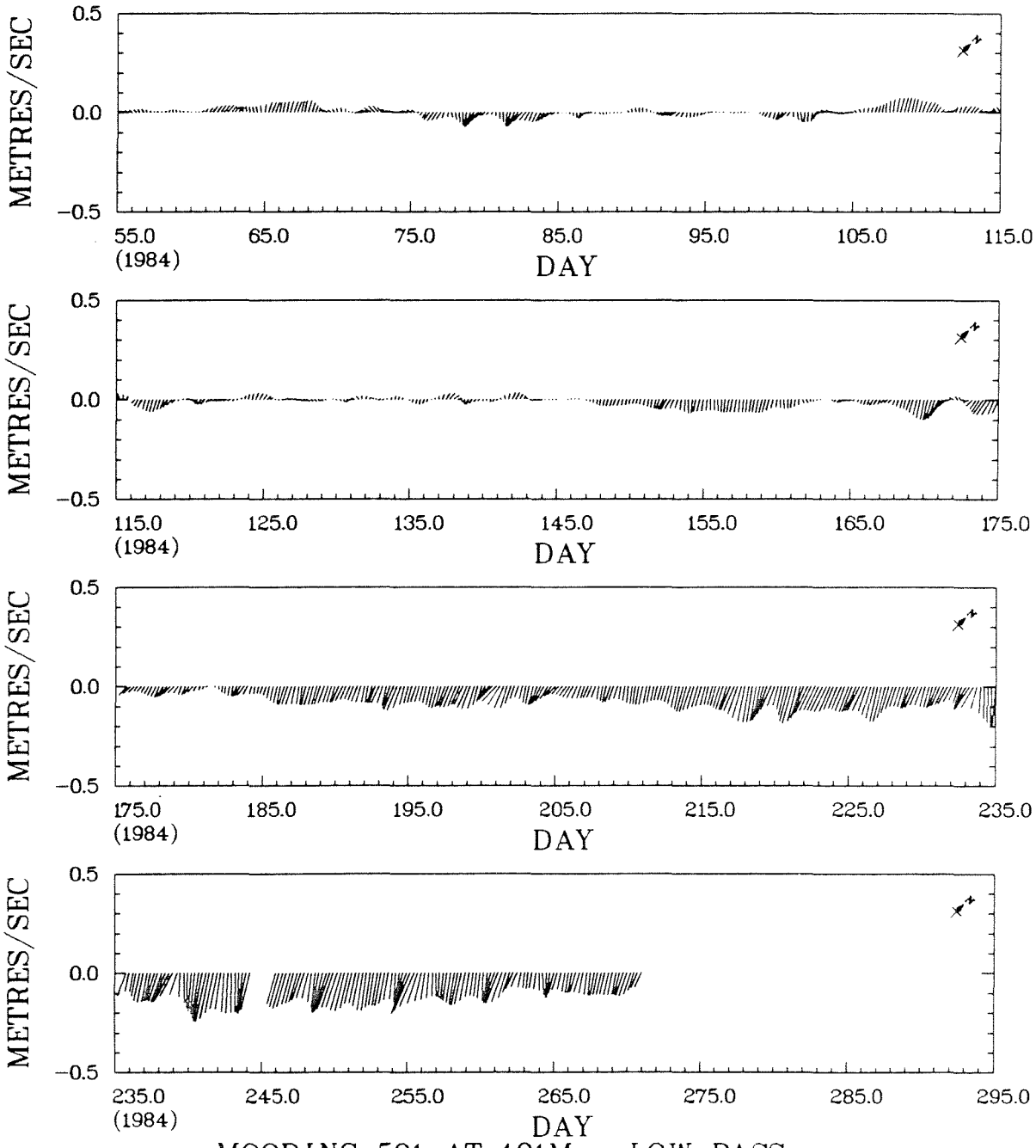
MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 481M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 581 AT 481M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

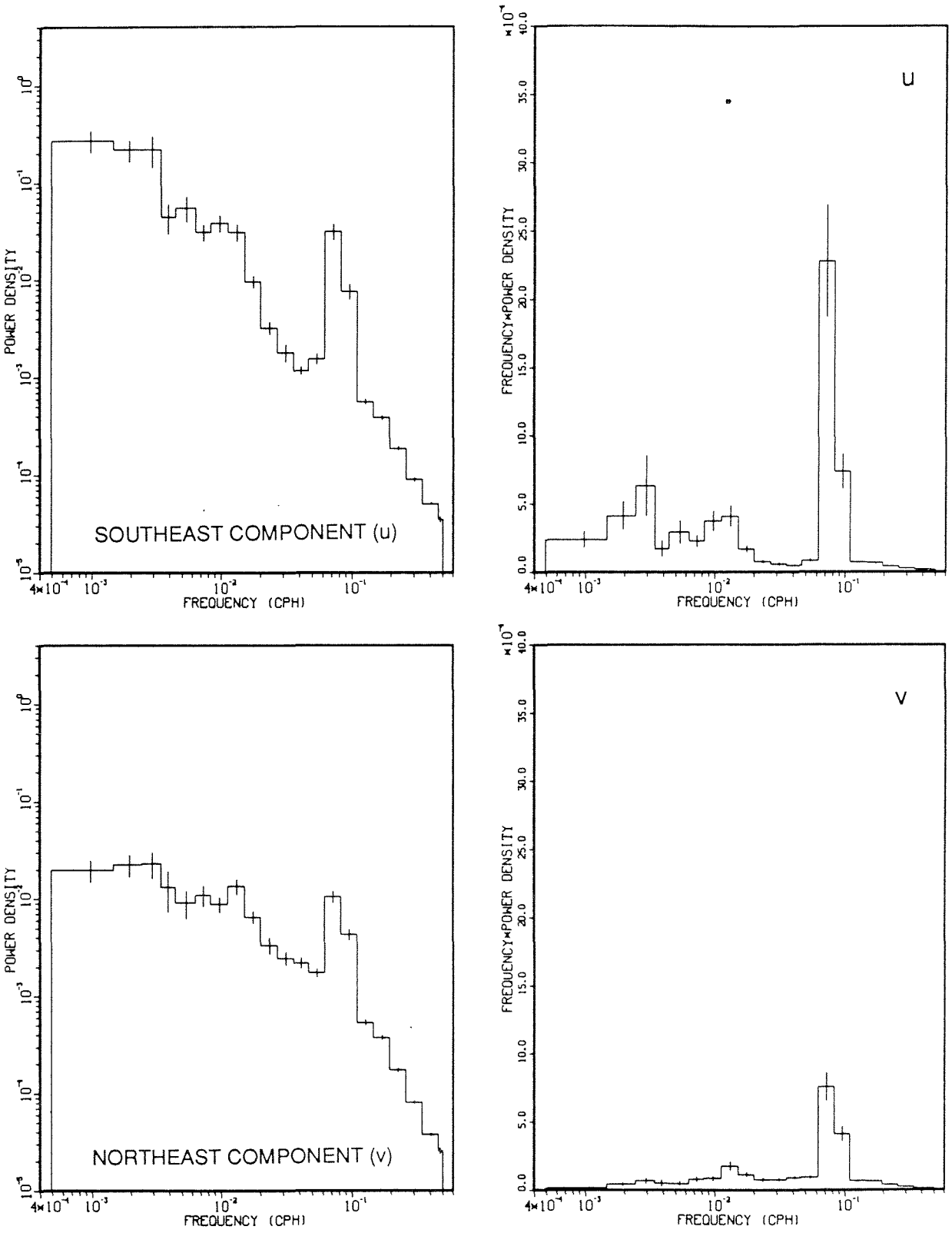


MOORING 581 AT 481M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 581
Depth 481 m

Tidal Analysis
390.1 d centered at day 78, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.001	.001	174	178	C	.001	25	.001	159
O1	.001	.001	146	119	A	.001	230	.001	125
M2	.031	.002	127	212	A	.005	231	.031	212
S2	.015	.002	106	277	C	.008	261	.013	283
N2	.006	.000	103	212	A	.003	217	.005	210
MF	.011	.001	145	341	C	.002	178	.011	340
M4	.000	.000	170	334	A	.000	148	.000	336
MS4	.001	.000	98	102	C	.000	72	.001	120



MOORING 581 AT 481M
NORTHWEST BAFFIN BAY 1983/4

Mooring 582
Depth 285 m

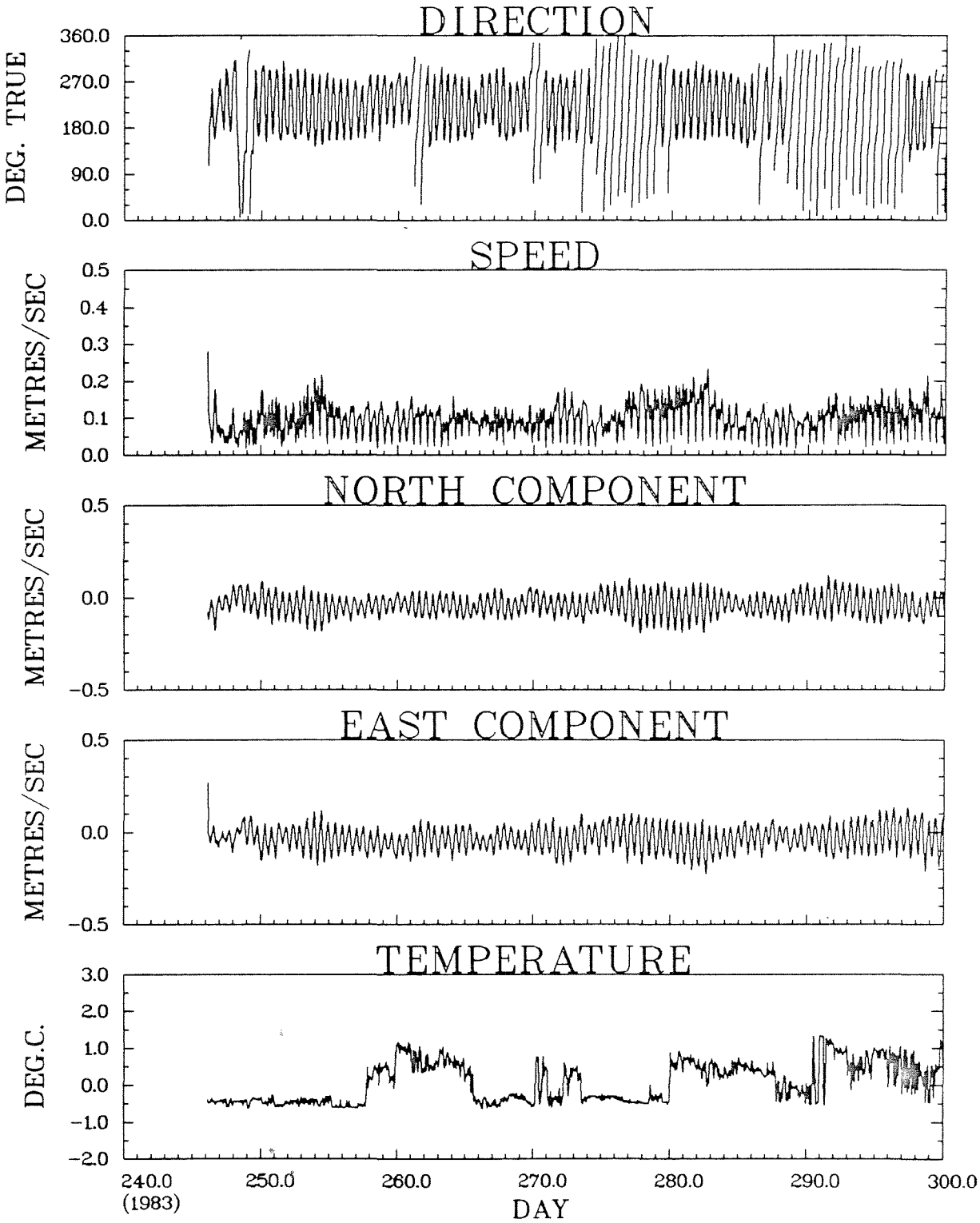
Latitude	75° 23.7N	Deployment	0306Z 3 Sept., 1983
Longitude	74° 27.1W	Recovery	29 Sept., 1985 (submersible)
Water Depth	500 m	Duration	757 d

RECORD LENGTH STATISTICS

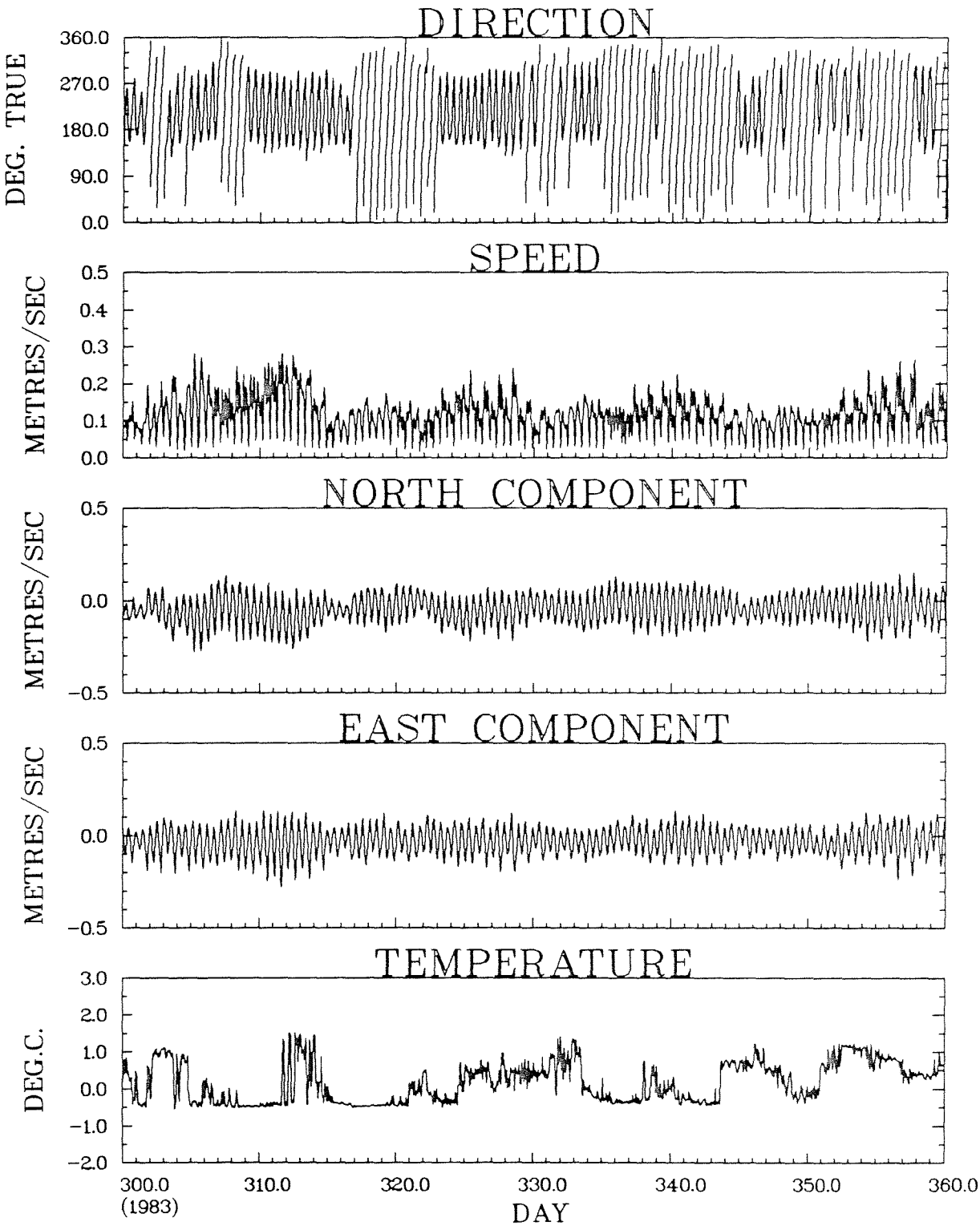
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	10140	261	268	266	1.1
Temperature (T)	°C	10140	-0.65	1.52	0.28	0.61
Speed (R)	ms^{-1}	10140	0.015	0.350	0.112	0.048
Northeast Component (V)	ms^{-1}	10140	-.230	0.141	-.049	0.053
Southeast Component (U)	ms^{-1}	10140	-.310	0.327	0.004	0.098

MONTHLY MEANS

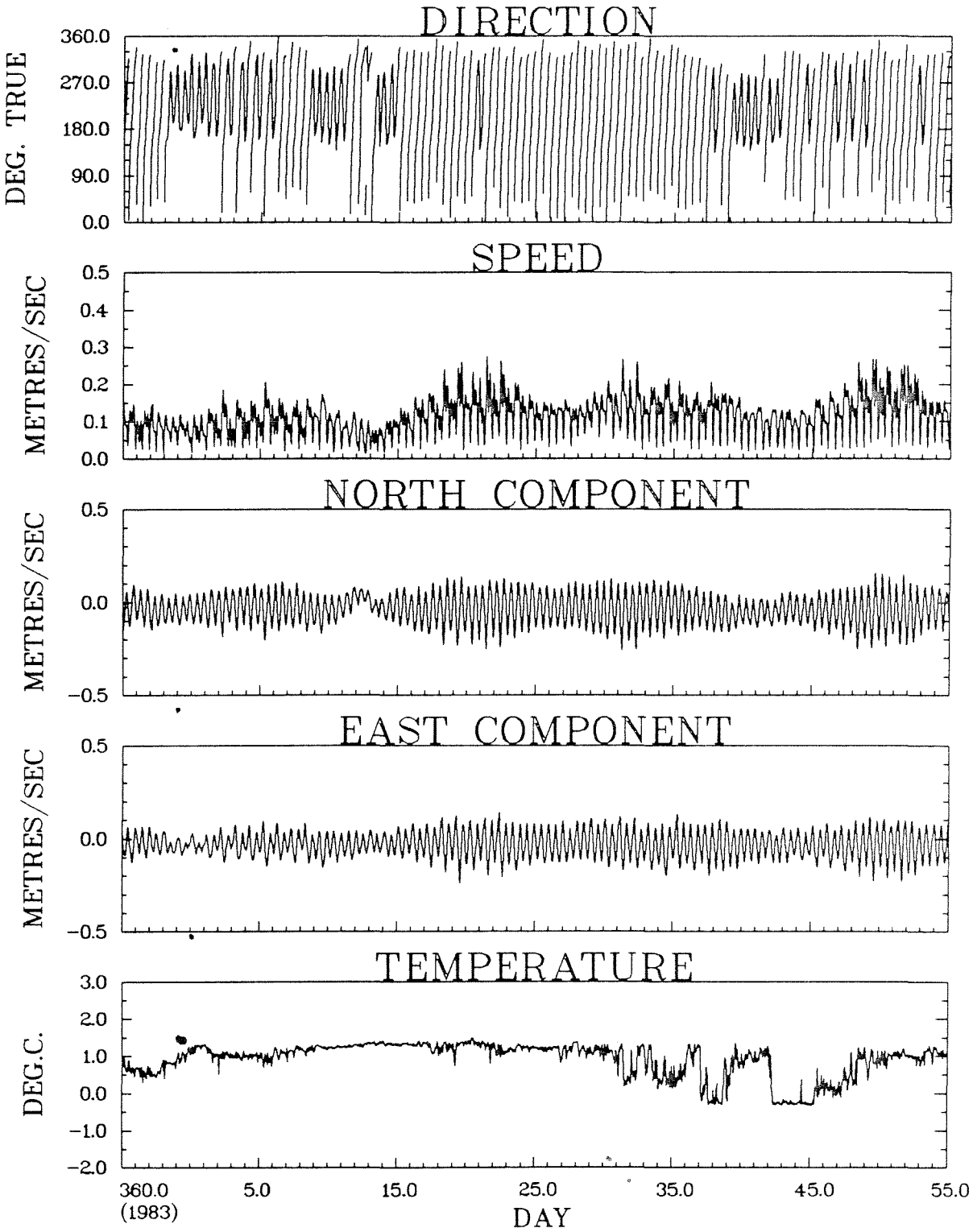
	Samples	T	R	V	U
September	669	-0.11±0.51	0.093±.036	-.057±.035	0.001±.074
October	744	0.27±0.52	0.105±.043	-.049±.048	0.005±.090
November	720	0.02±0.53	0.121±.055	-.062±.054	0.013±.104
December	744	0.40±0.52	0.106±.044	-.043±.047	0.004±.095
January	744	1.17±0.19	0.111±.047	-.041±.056	0.001±.099
February	696	0.62±0.50	0.123±.049	-.055±.057	0.005±.106
March	744	0.51±0.45	0.118±.054	-.034±.058	0.005±.111
April	720	0.32±0.36	0.120±.047	-.037±.058	0.003±.109
May	744	0.03±0.51	0.123±.050	-.045±.060	0.007±.109
June	720	-0.07±0.56	0.111±.046	-.054±.056	0.001±.091
July	744	-0.26±0.34	0.105±.042	-.053±.045	0.007±.088
August	744	0.11±0.58	0.107±.048	-.053±.048	0.002±.093
September	720	0.76±0.47	0.116±.053	-.061±.053	0.001±.098
October	687	0.17±0.55	0.104±.043	-.044±.052	0.001±.089



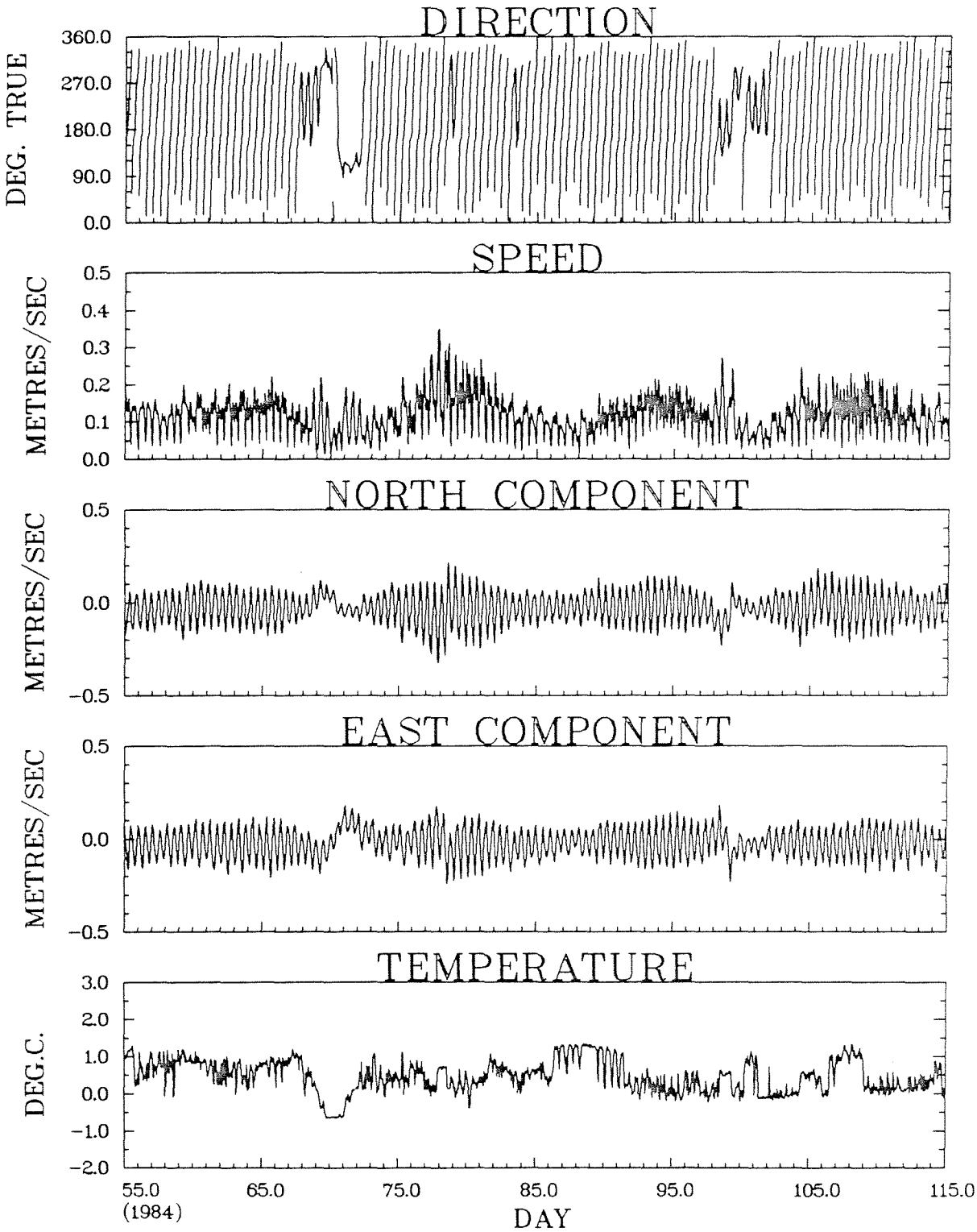
MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



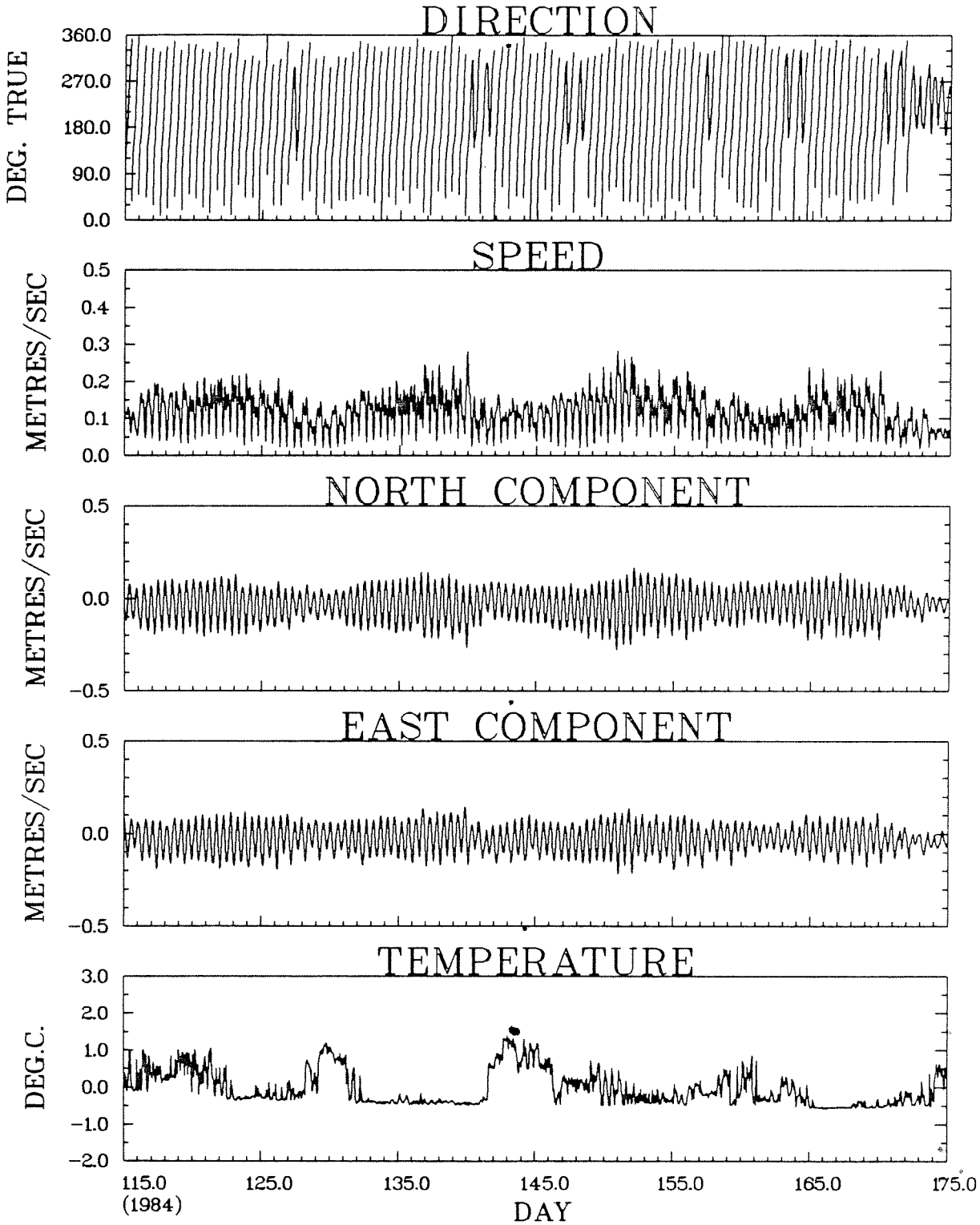
MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



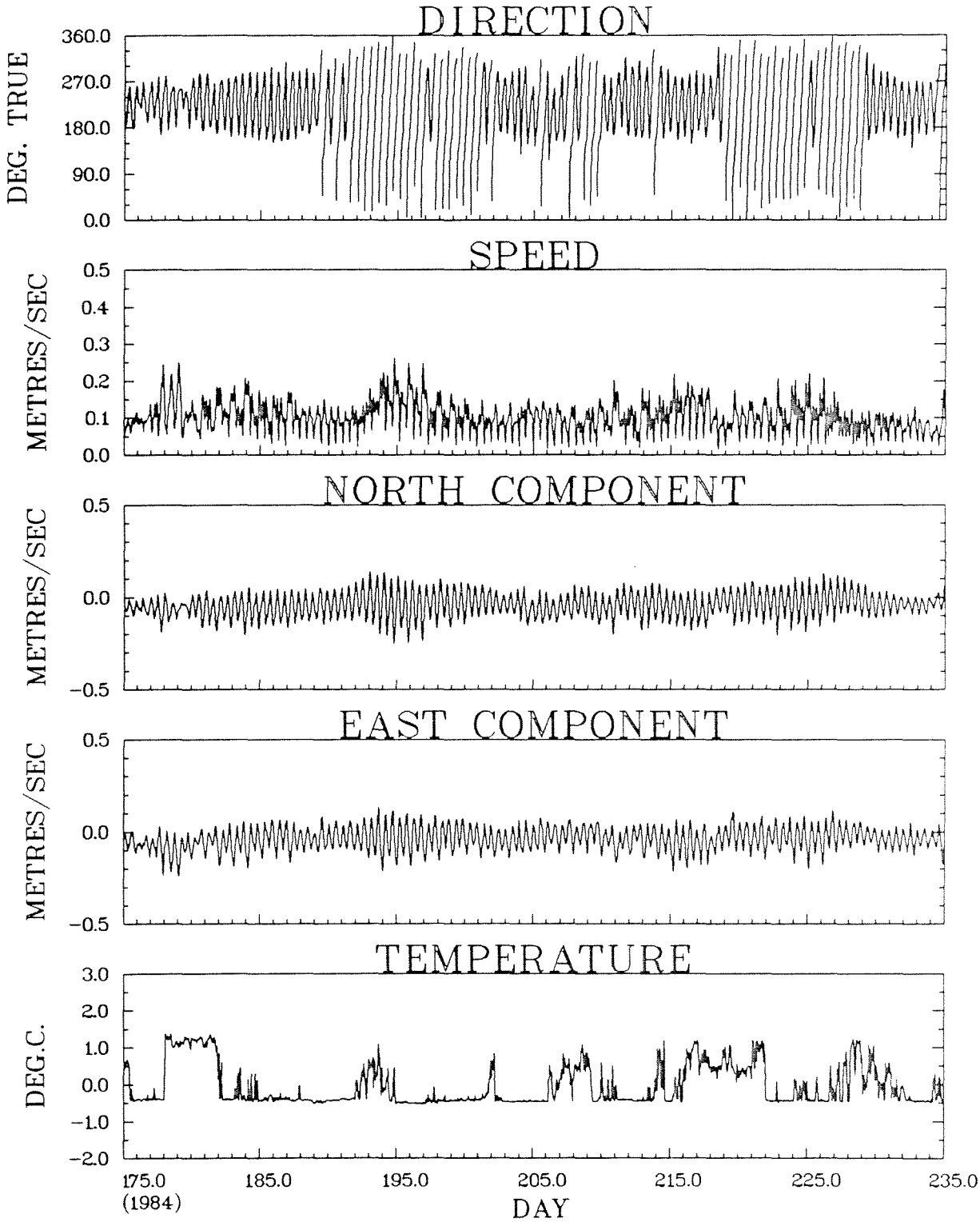
MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



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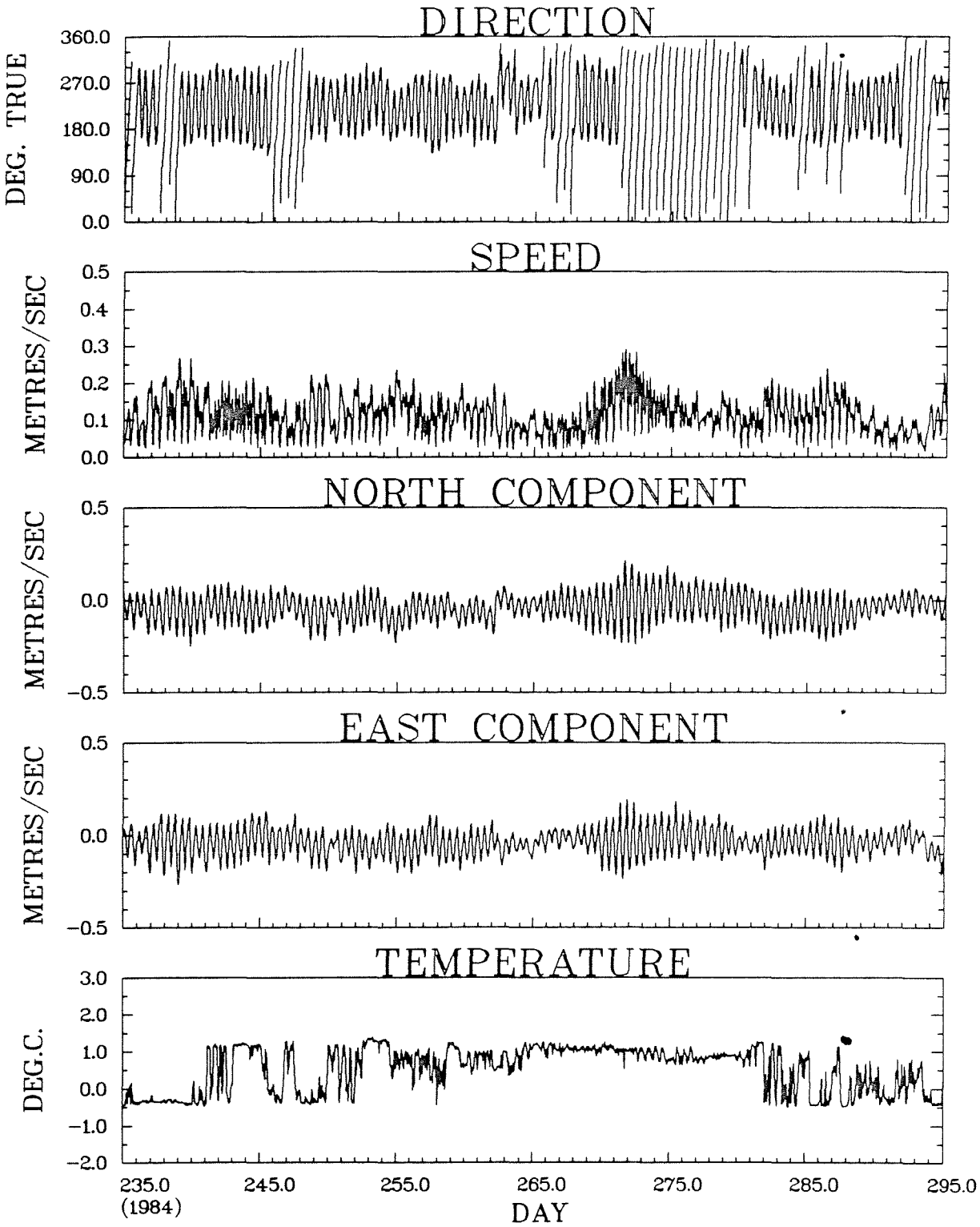
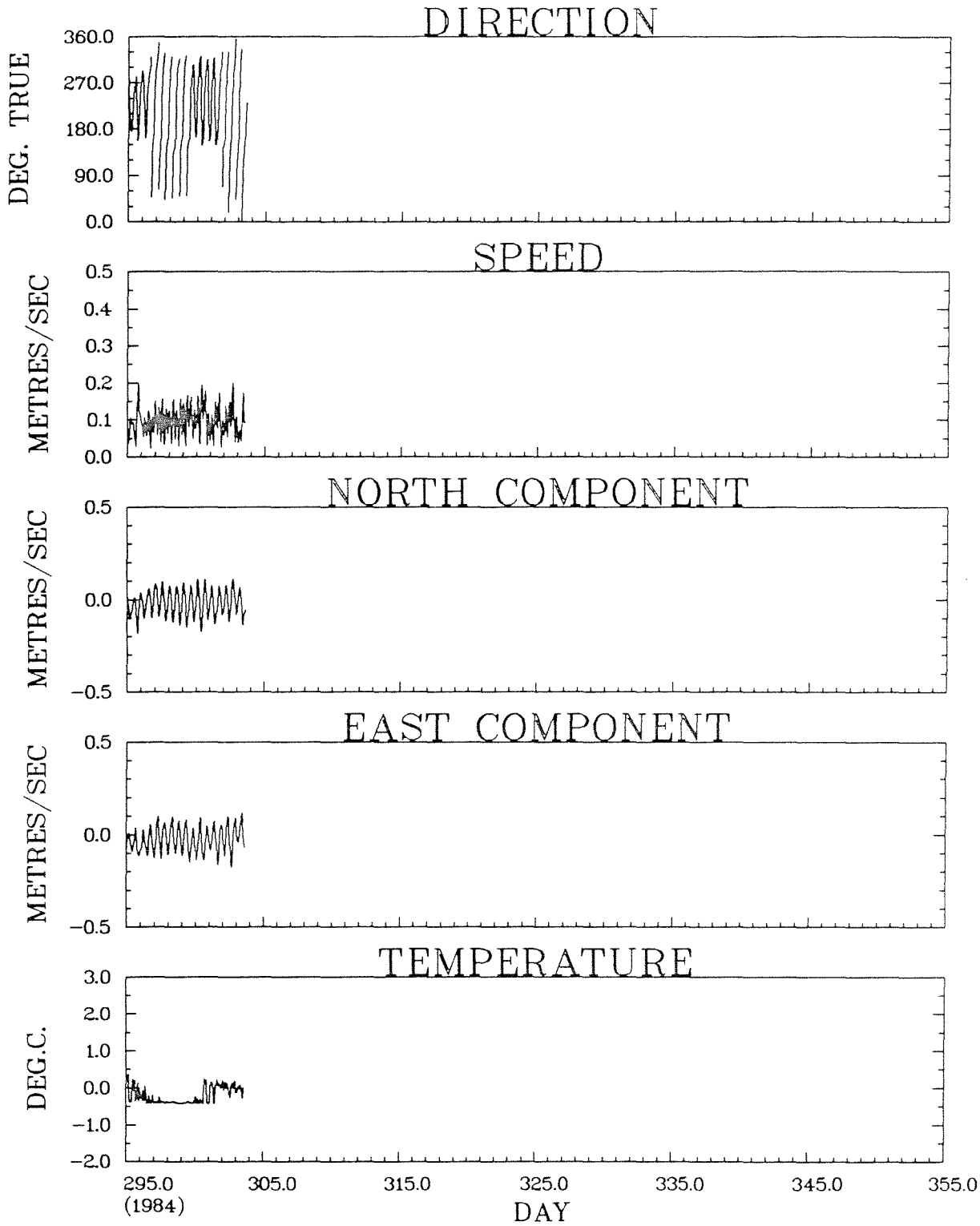
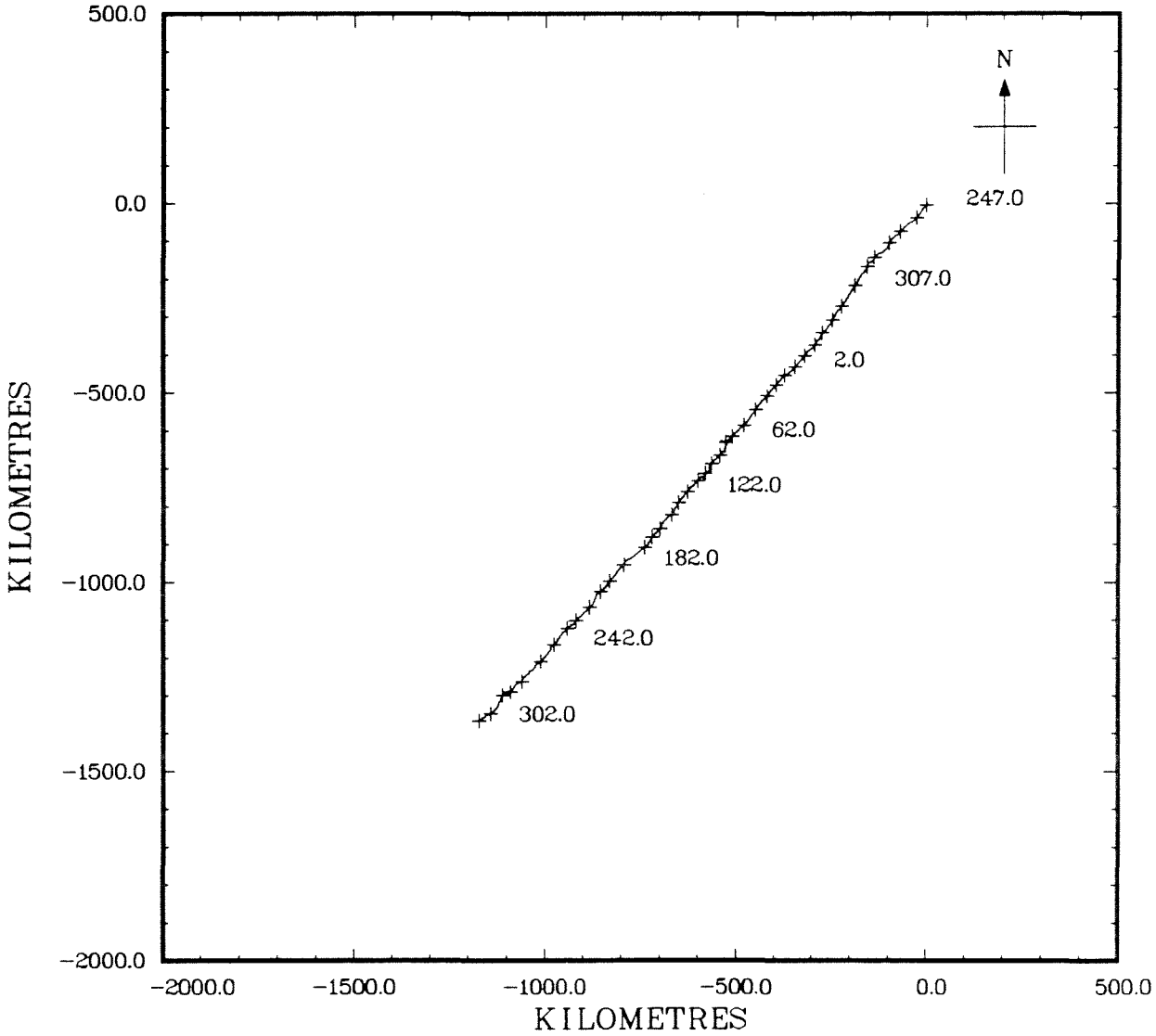
NORTHWEST BAFFIN BAY 1983/4



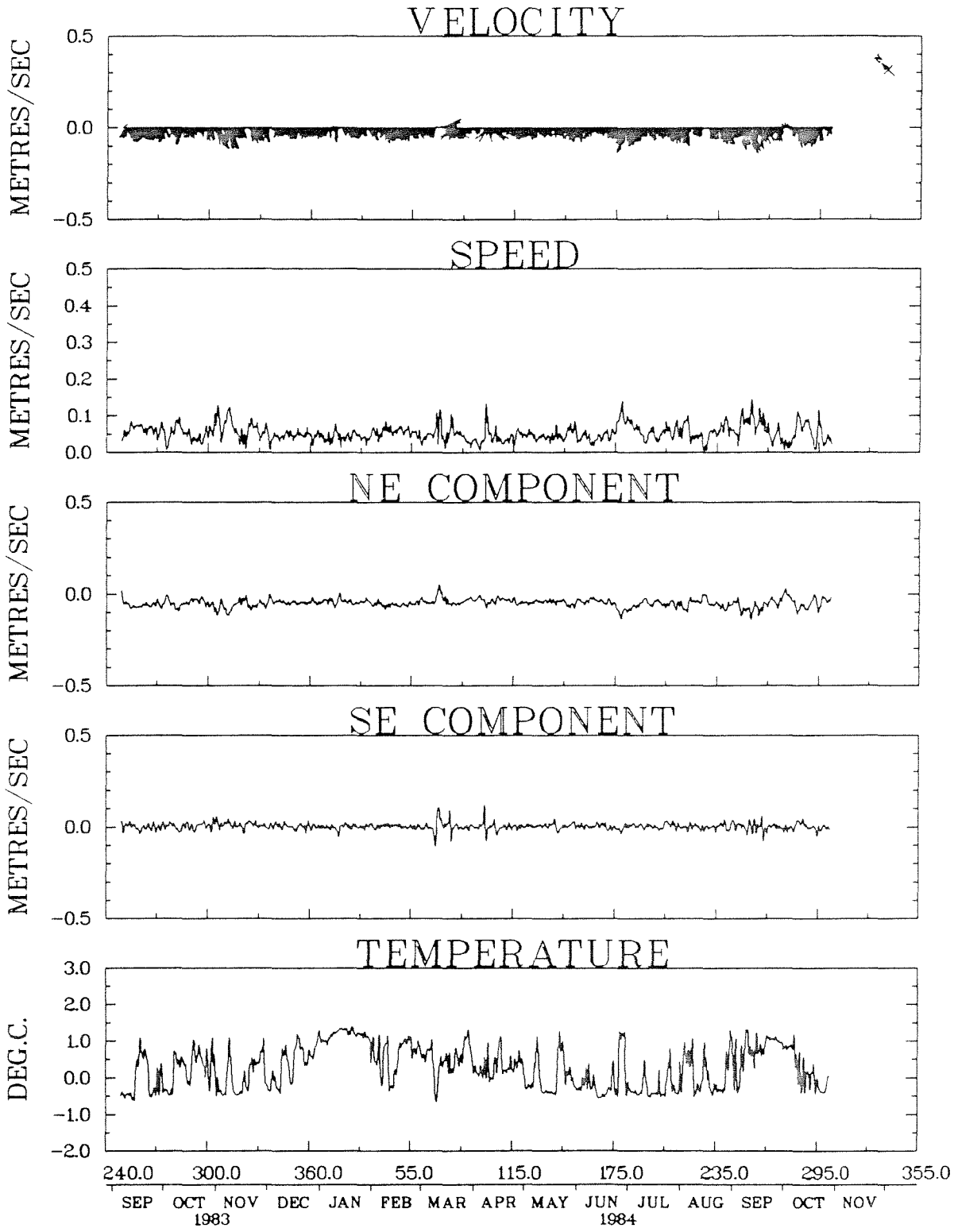
MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



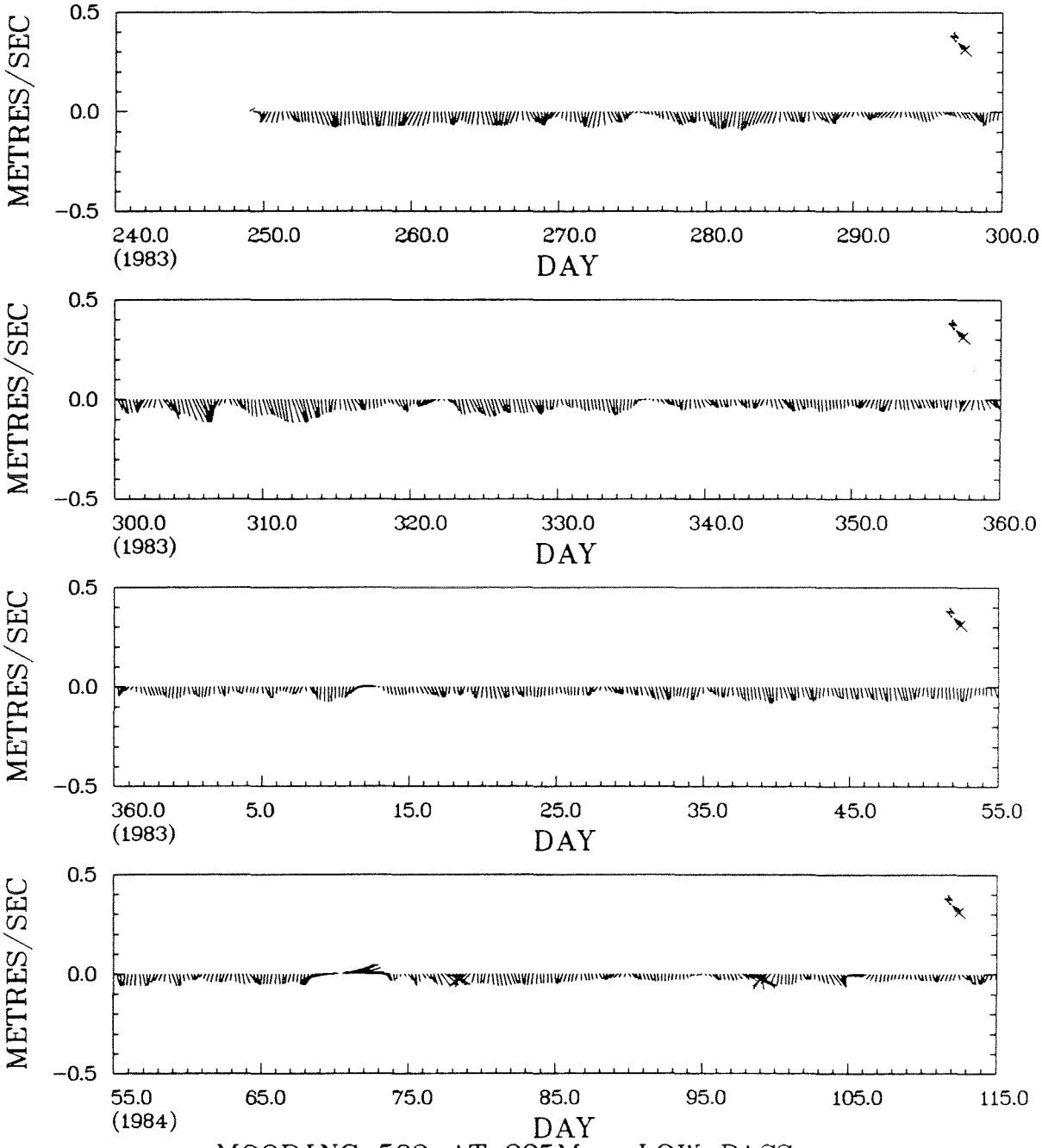
MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



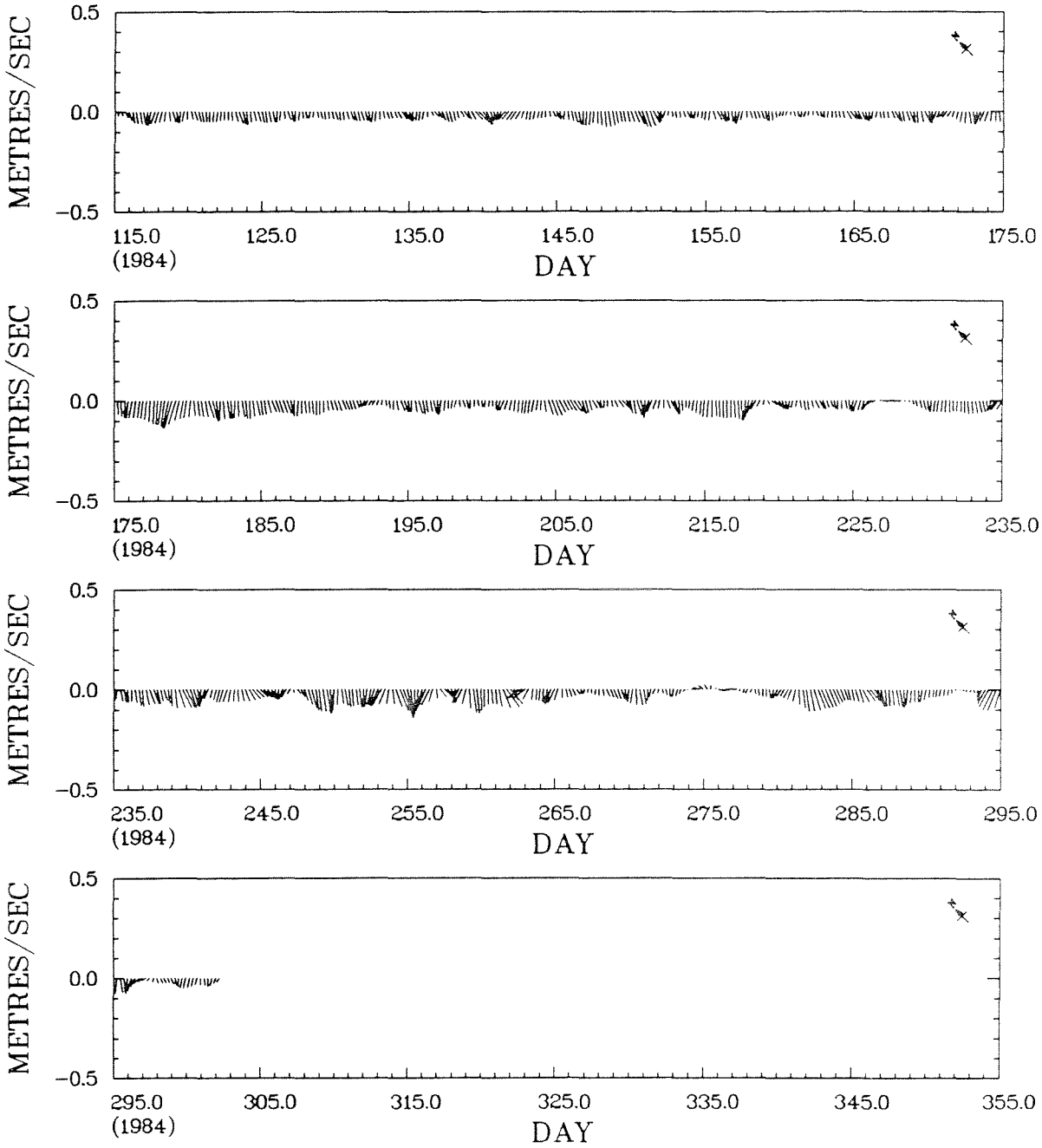
MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4



MOORING 582 AT 285M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 582 AT 285M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

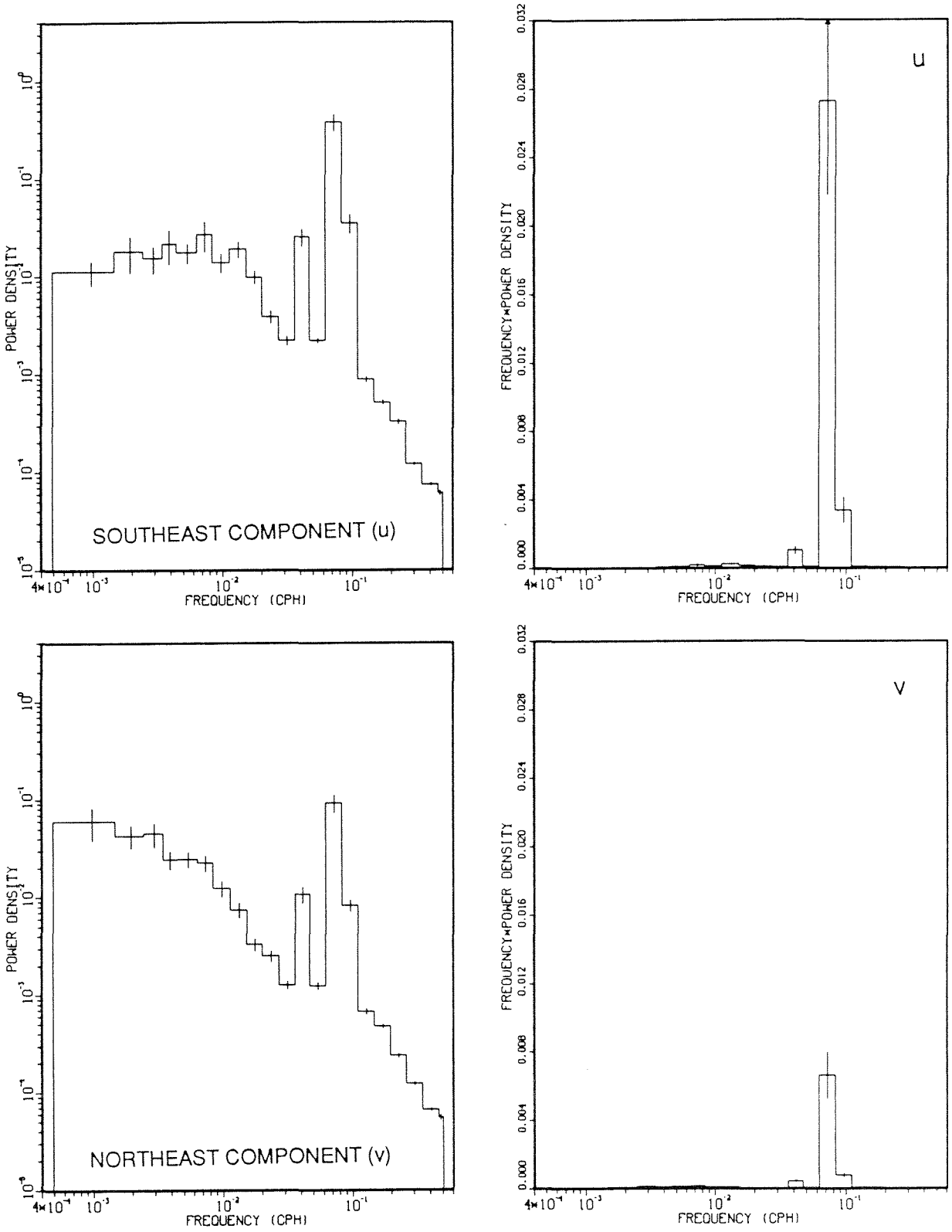


MOORING 582 AT 285M – LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 582
Depth 285 m

Tidal Analysis
422.5 d centered at day 84, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.019	.007	110	61	C	.011	22	.018	71
O1	.011	.006	104	7	C	.008	323	.010	26
M2	.123	.053	138	218	C	.054	121	.123	217
S2	.034	.003	145	255	C	.006	102	.034	254
N2	.020	.006	160	173	C	.010	25	.018	165
MF	.002	.001	96	193	A	.002	225	.002	170
M4	.002	.000	170	98	A	.001	272	.001	101
MS4	.001	.000	11	284	A	.001	264	.001	141



MOORING 582 AT 285M
NORTHWEST BAFFIN BAY 1983/4

Mooring 582
Depth 485 m

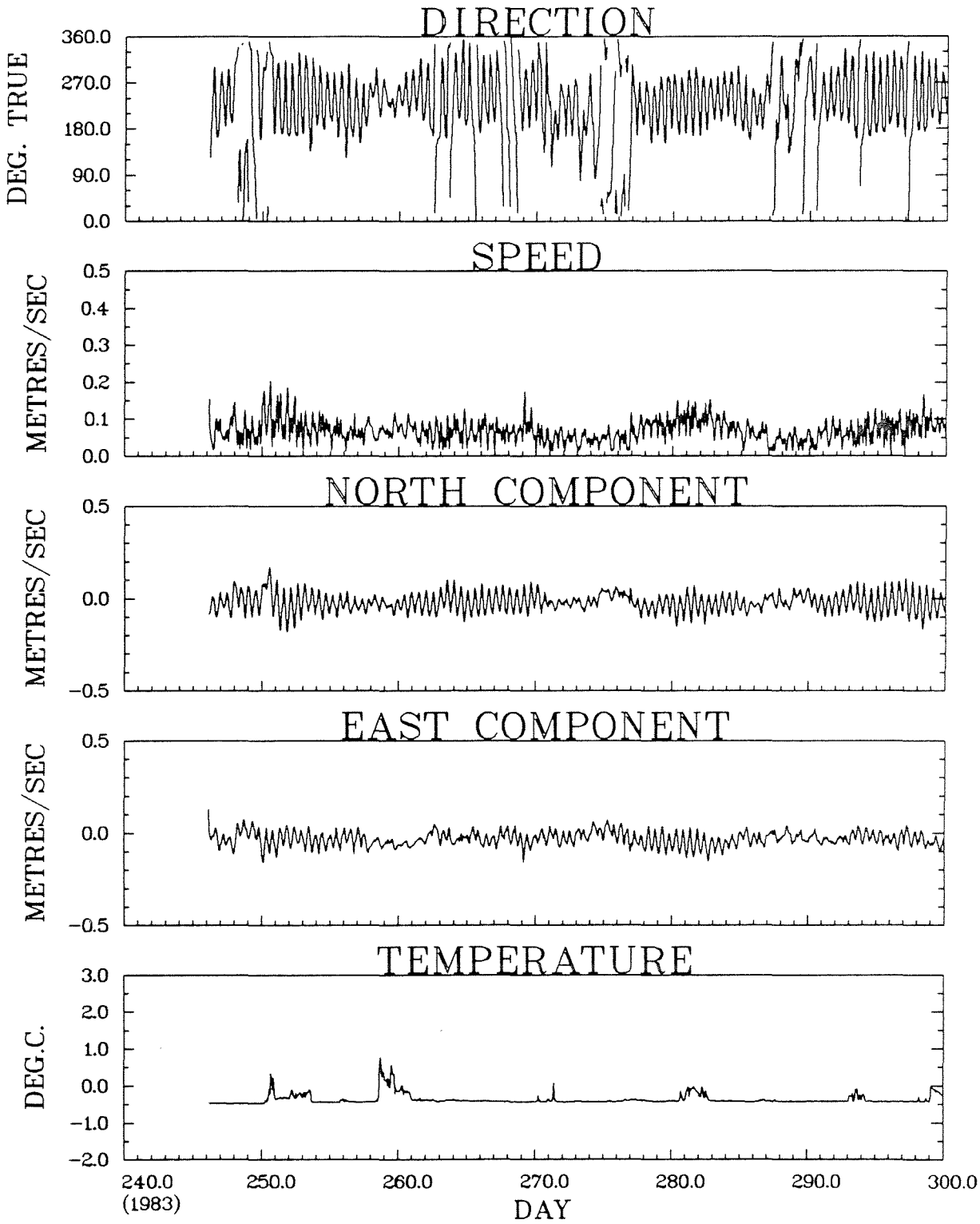
Latitude	75° 23.7N	Deployment	0306Z 3 Sept., 1983
Longitude	74° 27.1W	Recovery	29 Sept., 1985 (submersible)
Water Depth	500 m	Duration	757 d

RECORD LENGTH STATISTICS

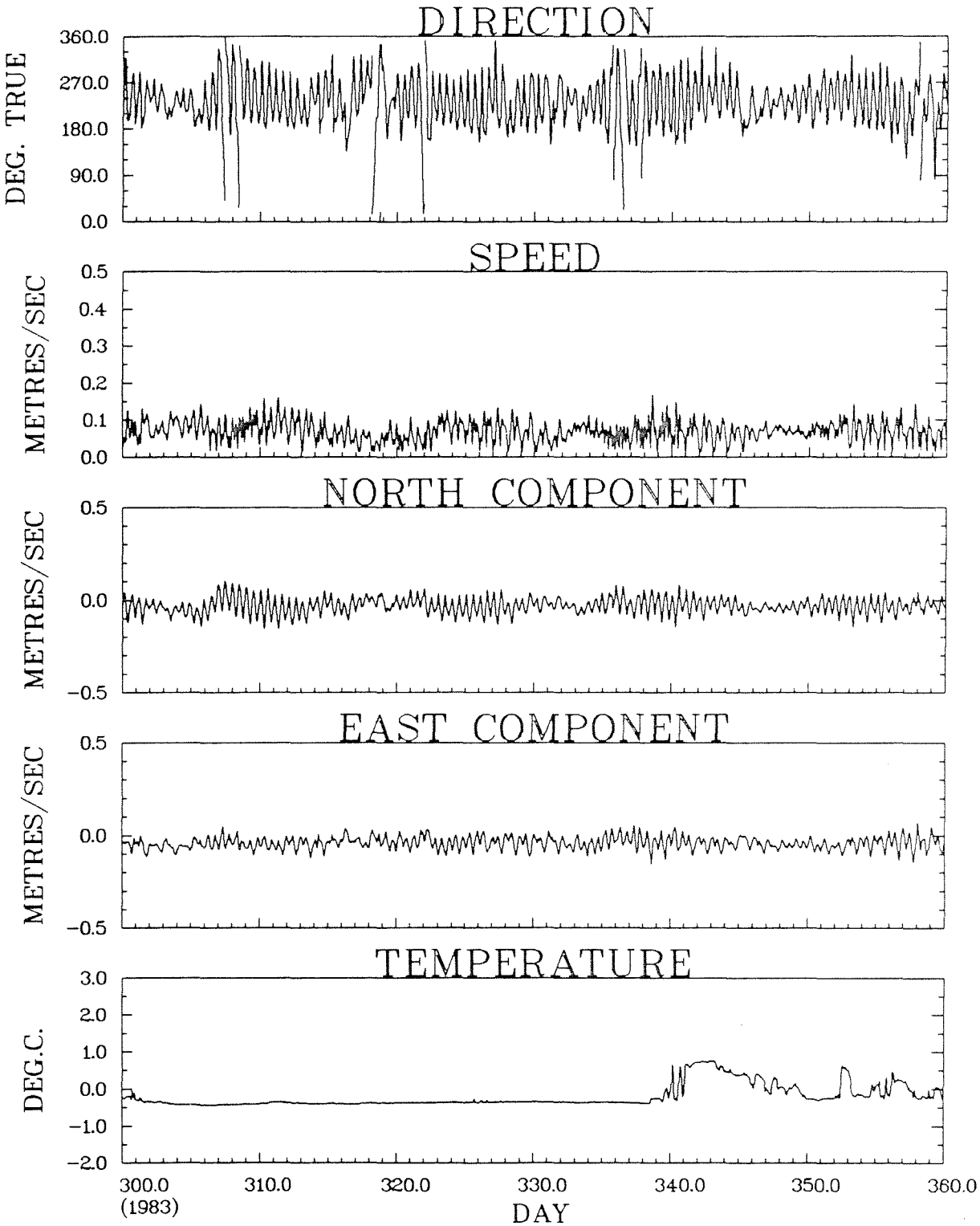
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	10175	486	495	488	0.5
Temperature (T)	°C	10175	-0.48	1.26	-0.17	0.31
Speed (R)	ms^{-1}	10175	0.015	0.204	0.070	0.029
Northeast Component (V)	ms^{-1}	10175	-.181	0.082	-.049	0.032
Southeast Component (U)	ms^{-1}	10175	-.199	0.158	-.006	0.048

MONTHLY MEANS

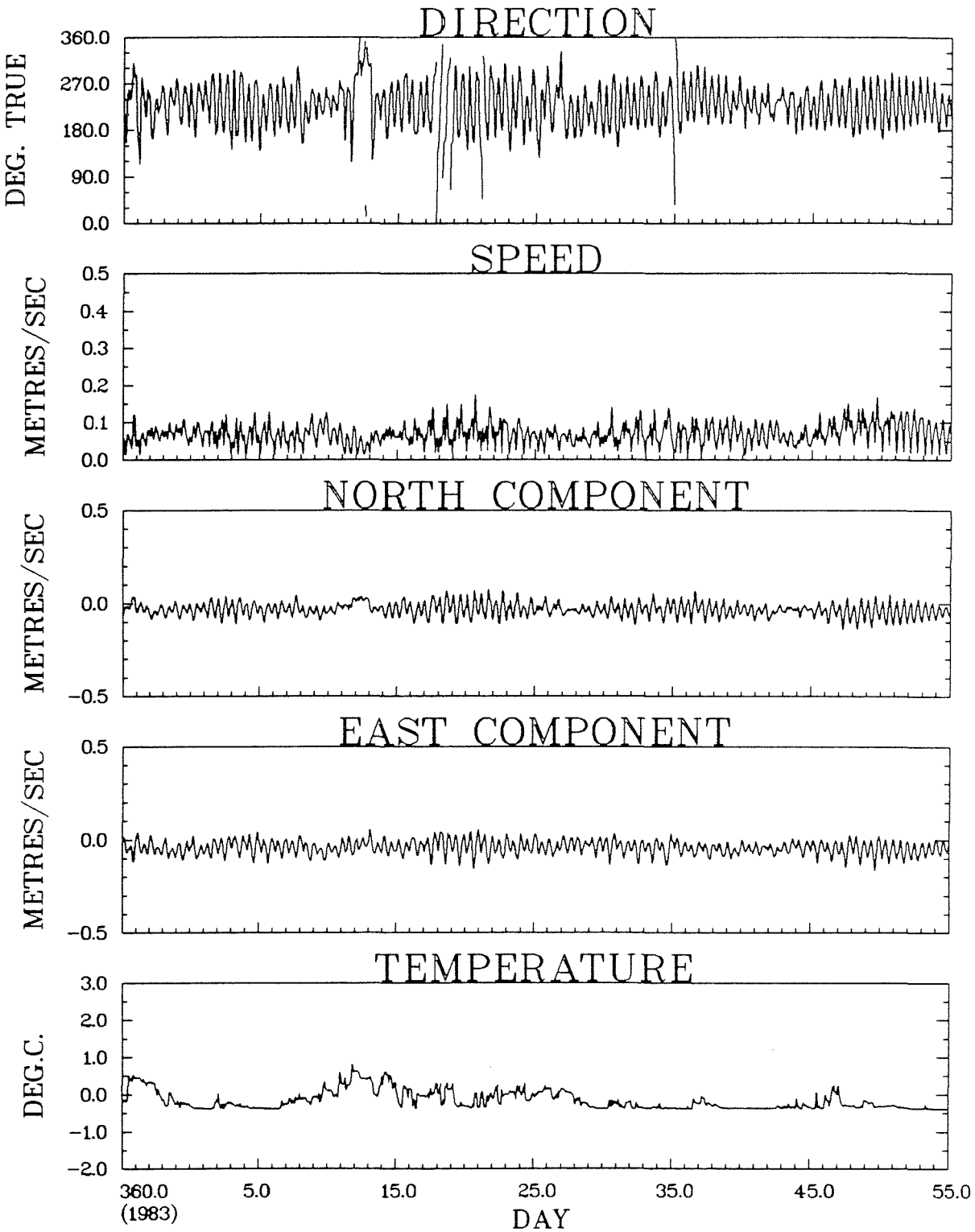
	Samples	T	R	V	U
September	669	-0.36±0.18	0.069±.031	-.035±.034	-.008±.057
October	744	-0.38±0.09	0.071±.030	-.042±.038	-.008±.051
November	720	-0.38±0.03	0.070±.030	-.049±.033	-.006±.047
December	744	0.03±0.34	0.069±.026	-.050±.027	-.007±.046
January	744	-0.07±0.26	0.066±.027	-.046±.024	-.006±.048
February	696	-0.29±0.13	0.073±.030	-.060±.027	-.007±.043
March	744	-0.21±0.25	0.064±.028	-.043±.030	-.005±.046
April	720	-0.30±0.23	0.063±.024	-.038±.029	-.006±.047
May	744	-0.35±0.13	0.066±.026	-.048±.024	-.005±.047
June	720	-0.11±0.44	0.076±.032	-.057±.033	-.011±.048
July	744	-0.09±0.34	0.073±.027	-.059±.022	-.007±.045
August	744	-0.05±0.24	0.075±.031	-.060±.031	-.005±.044
September	720	0.12±0.38	0.082±.032	-.060±.038	-.005±.053
October	722	0.02±0.26	0.064±.031	-.043±.033	-.003±.046



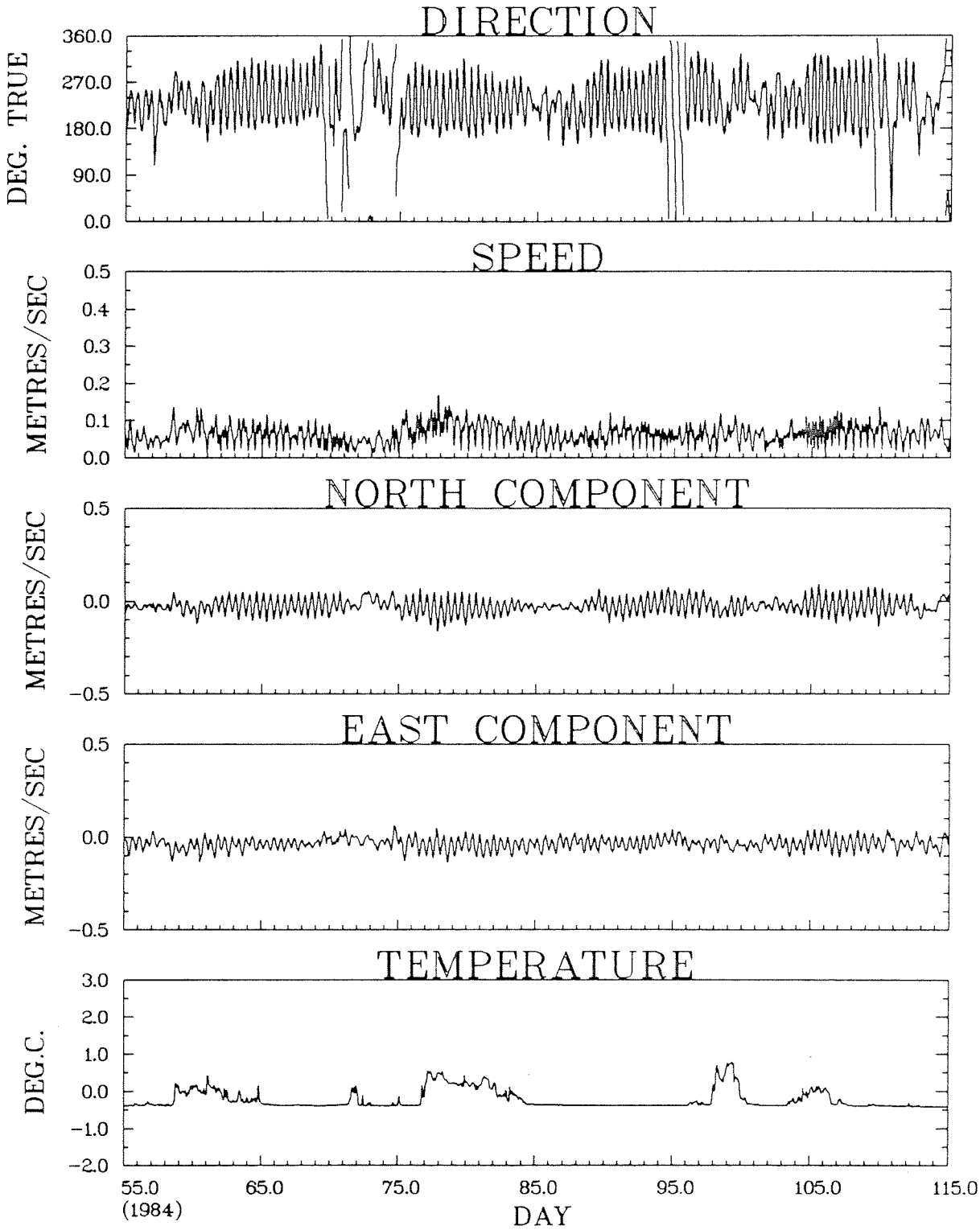
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



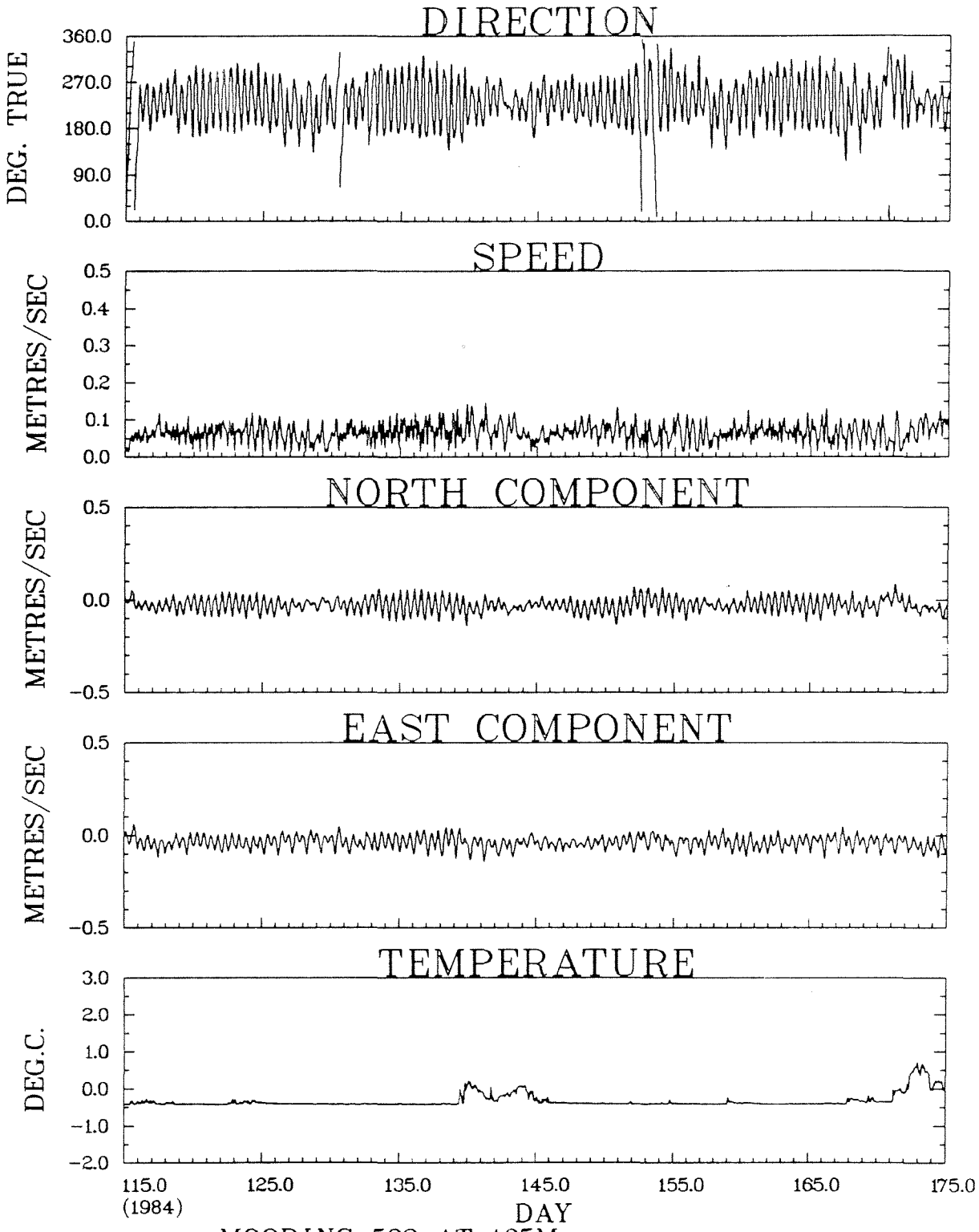
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



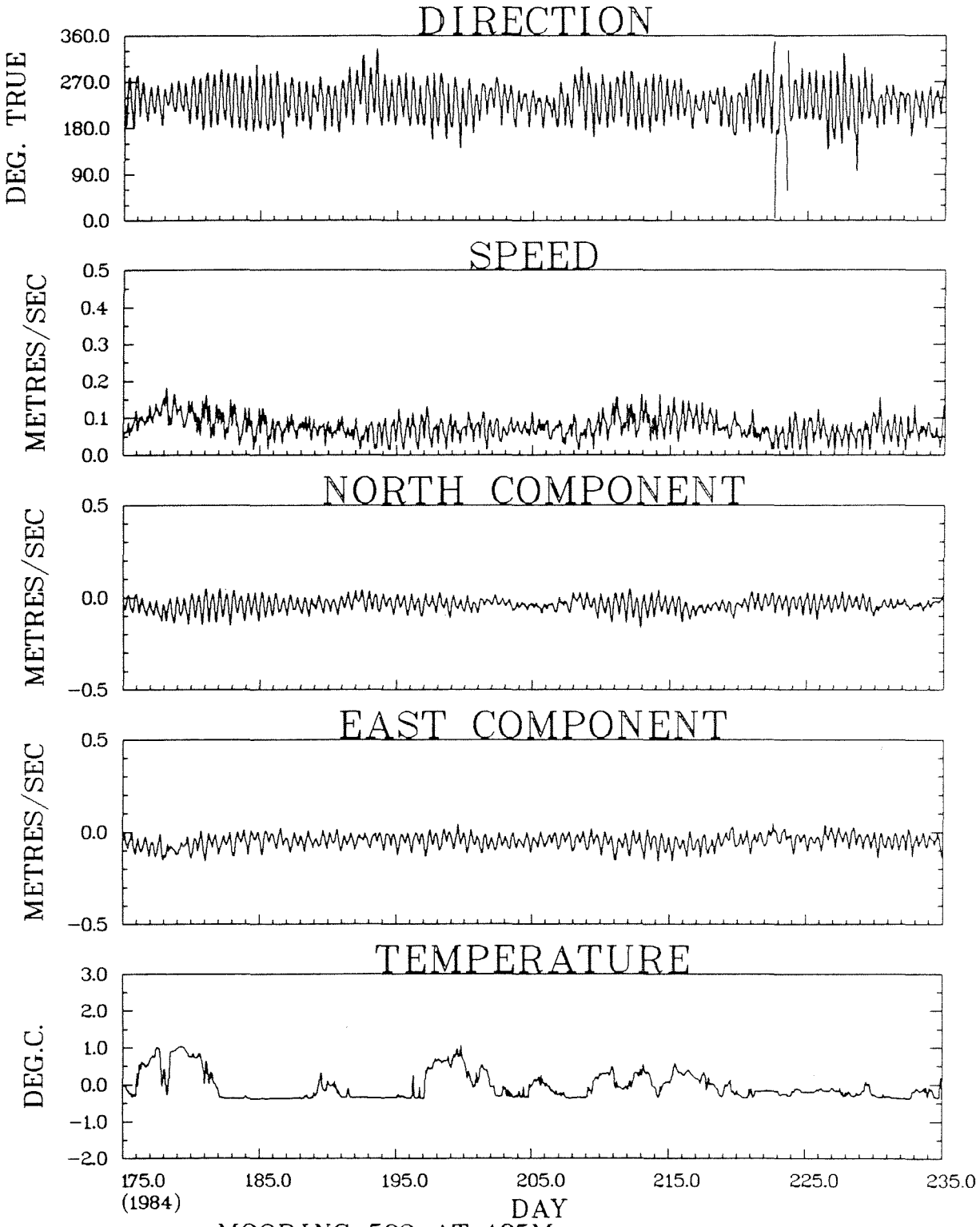
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



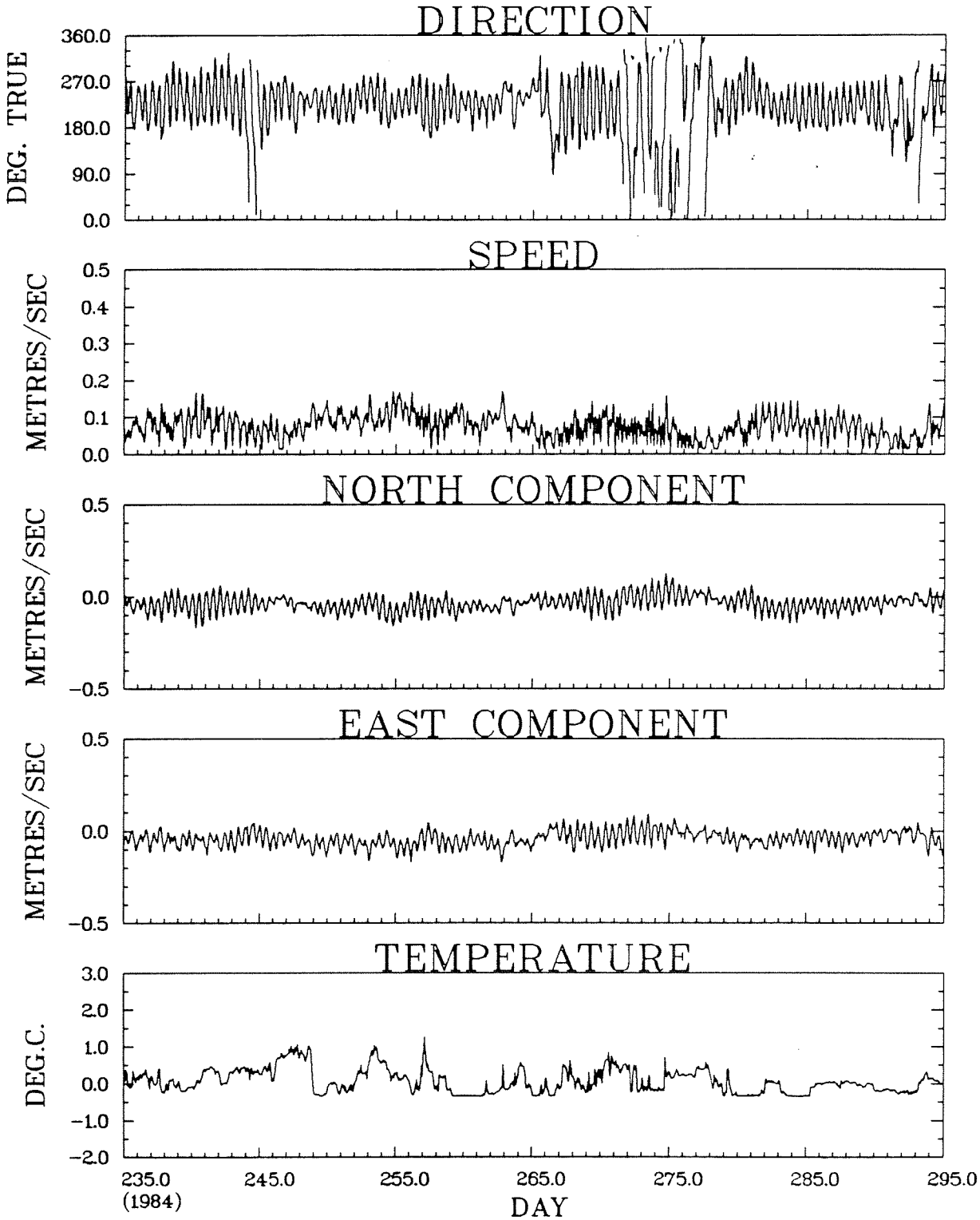
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



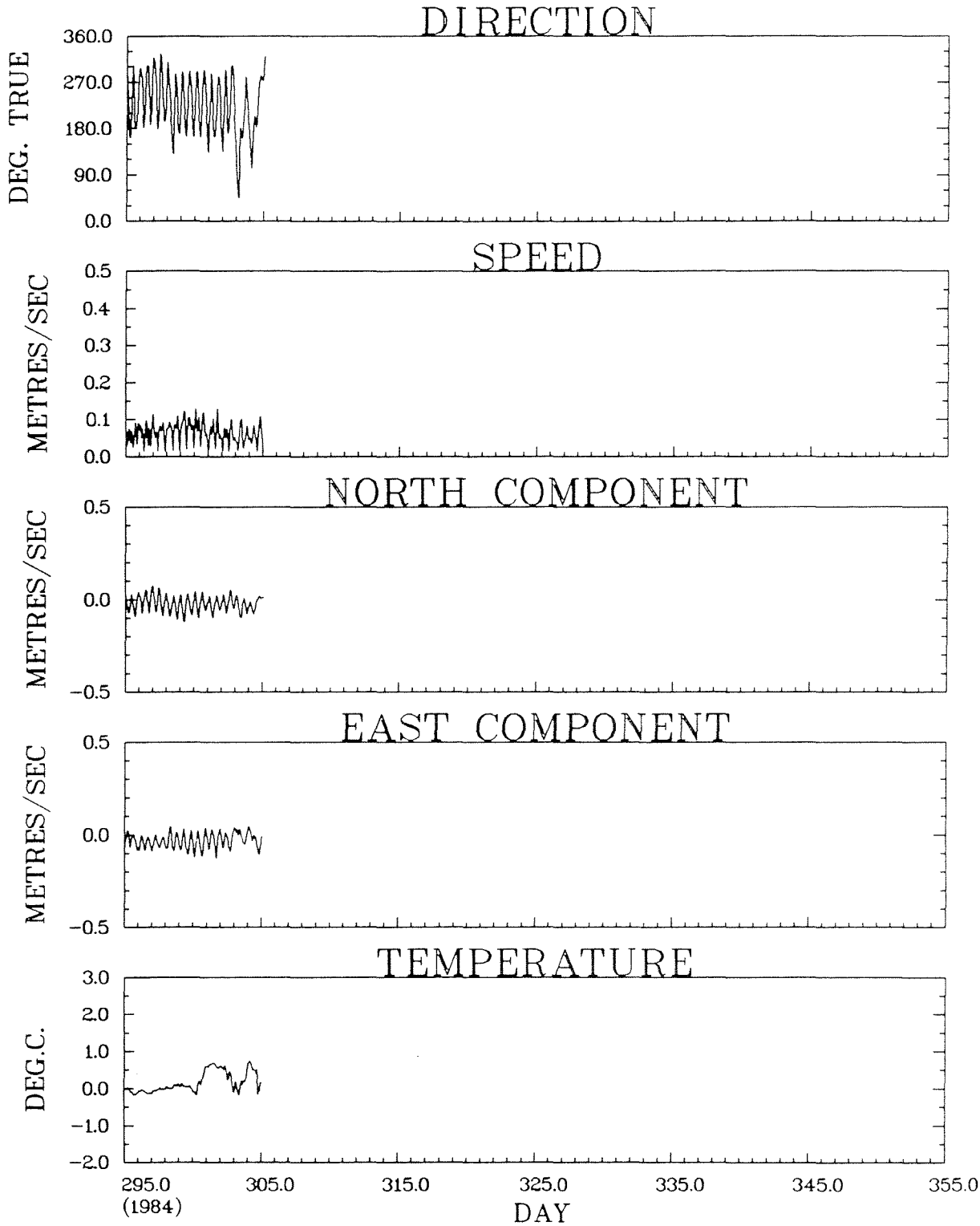
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



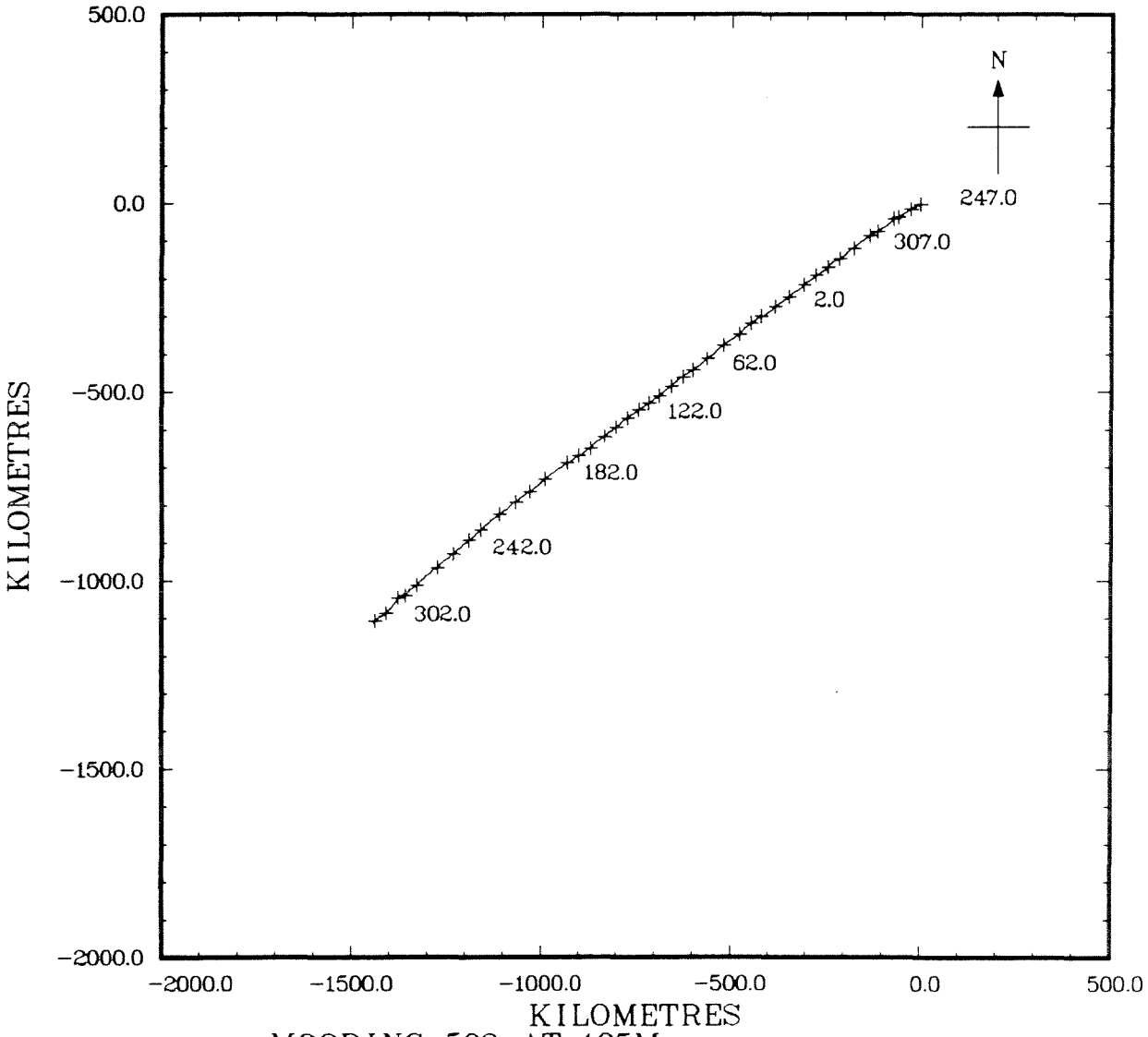
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



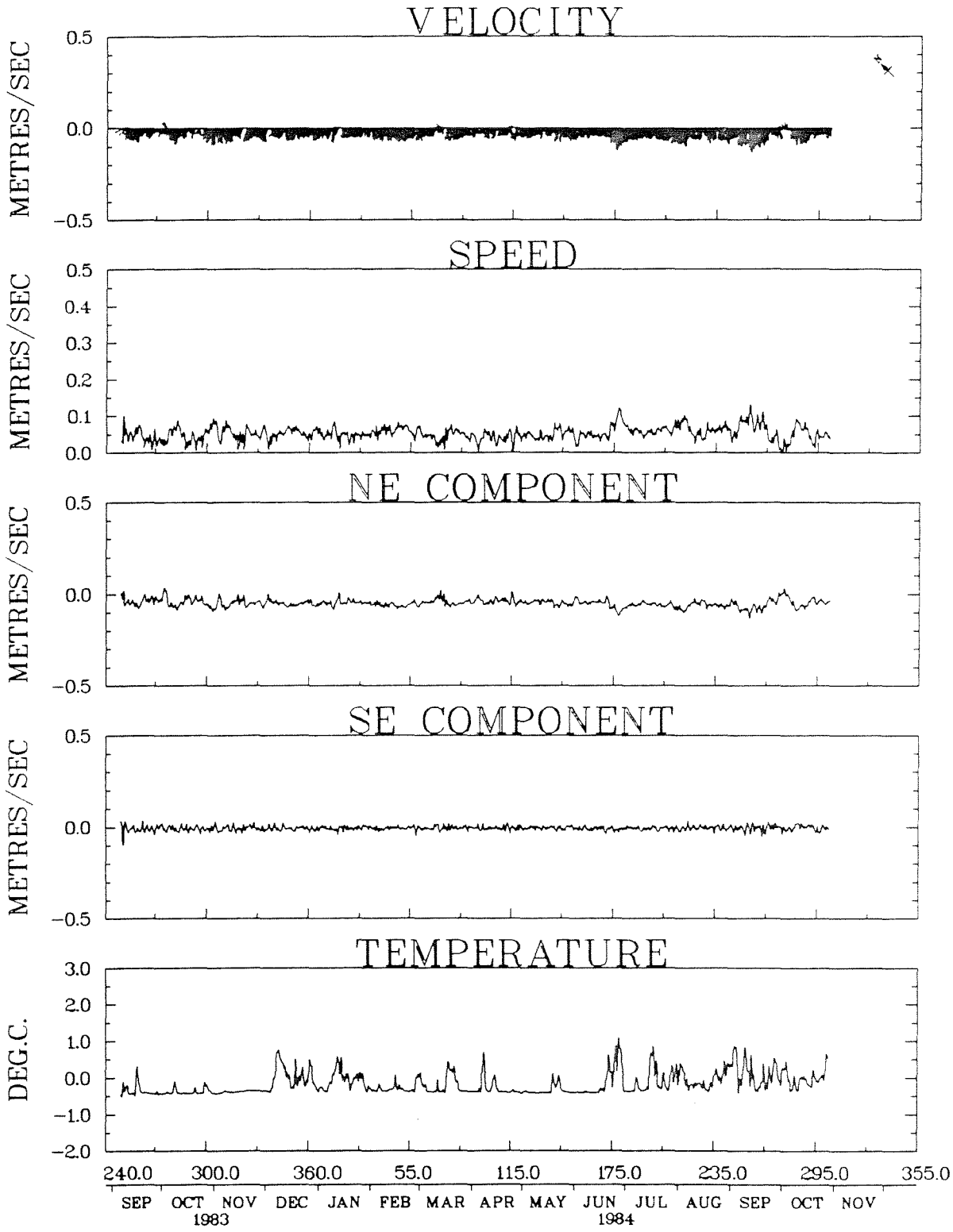
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



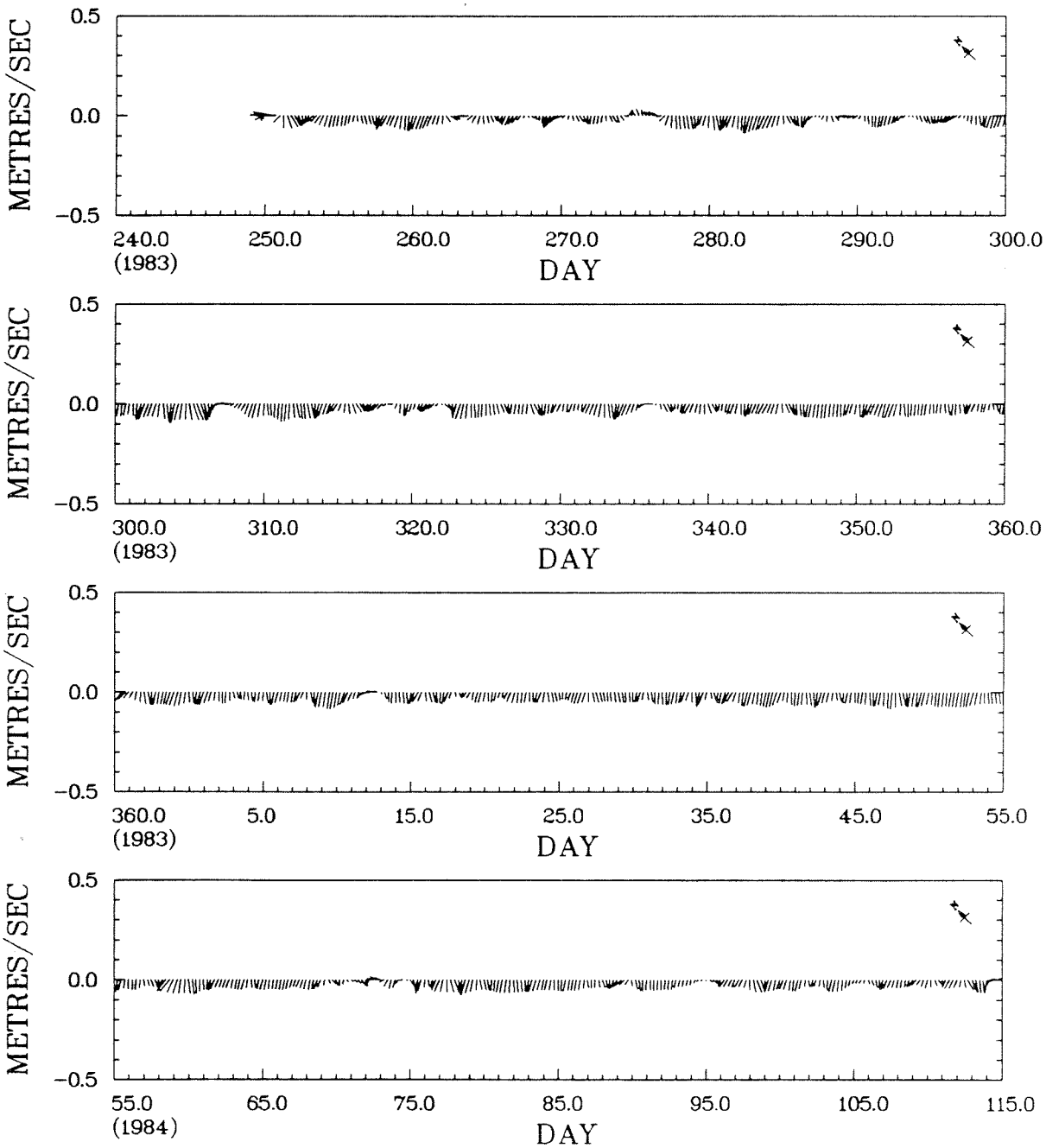
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



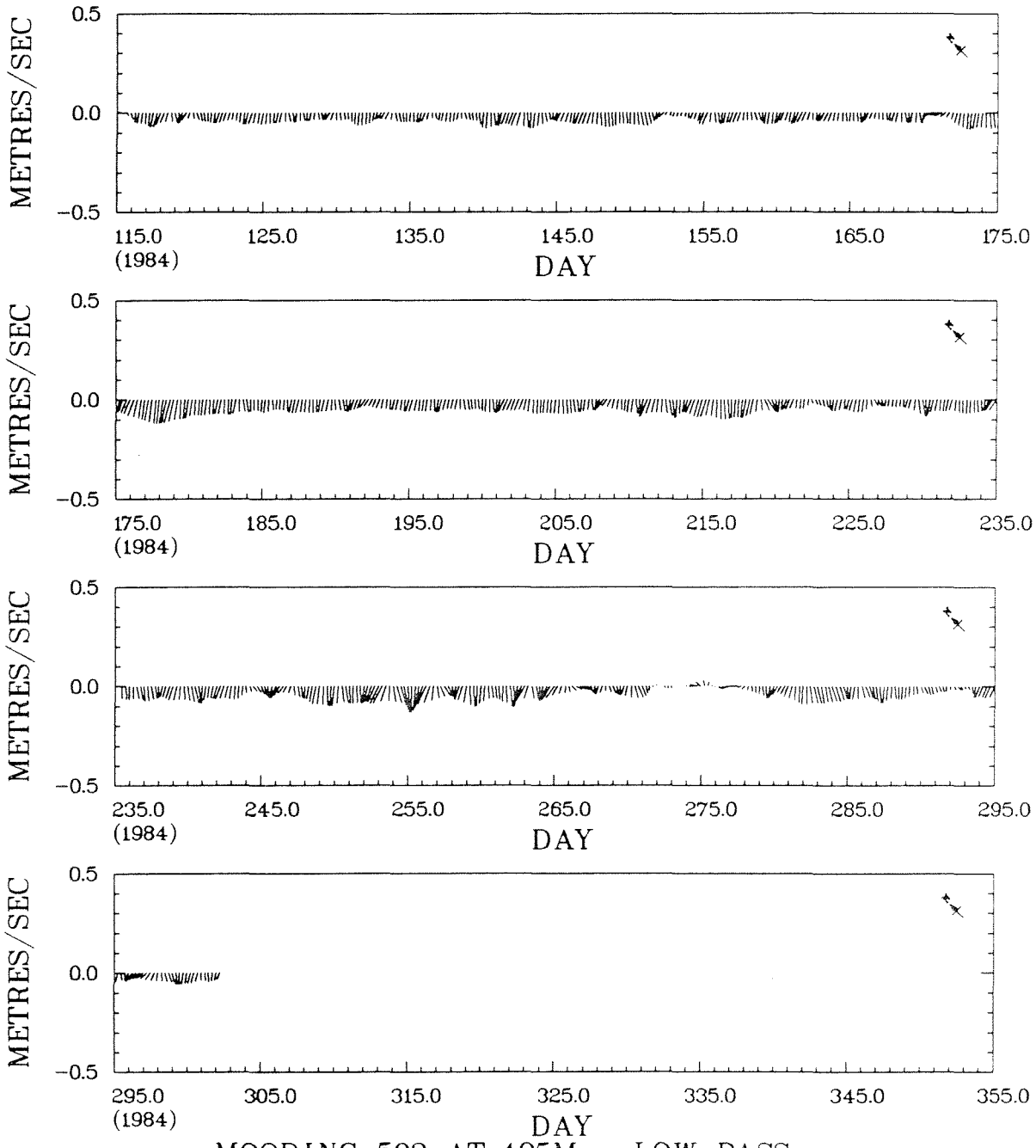
MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4



MOORING 582 AT 485M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4



MOORING 582 AT 485M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

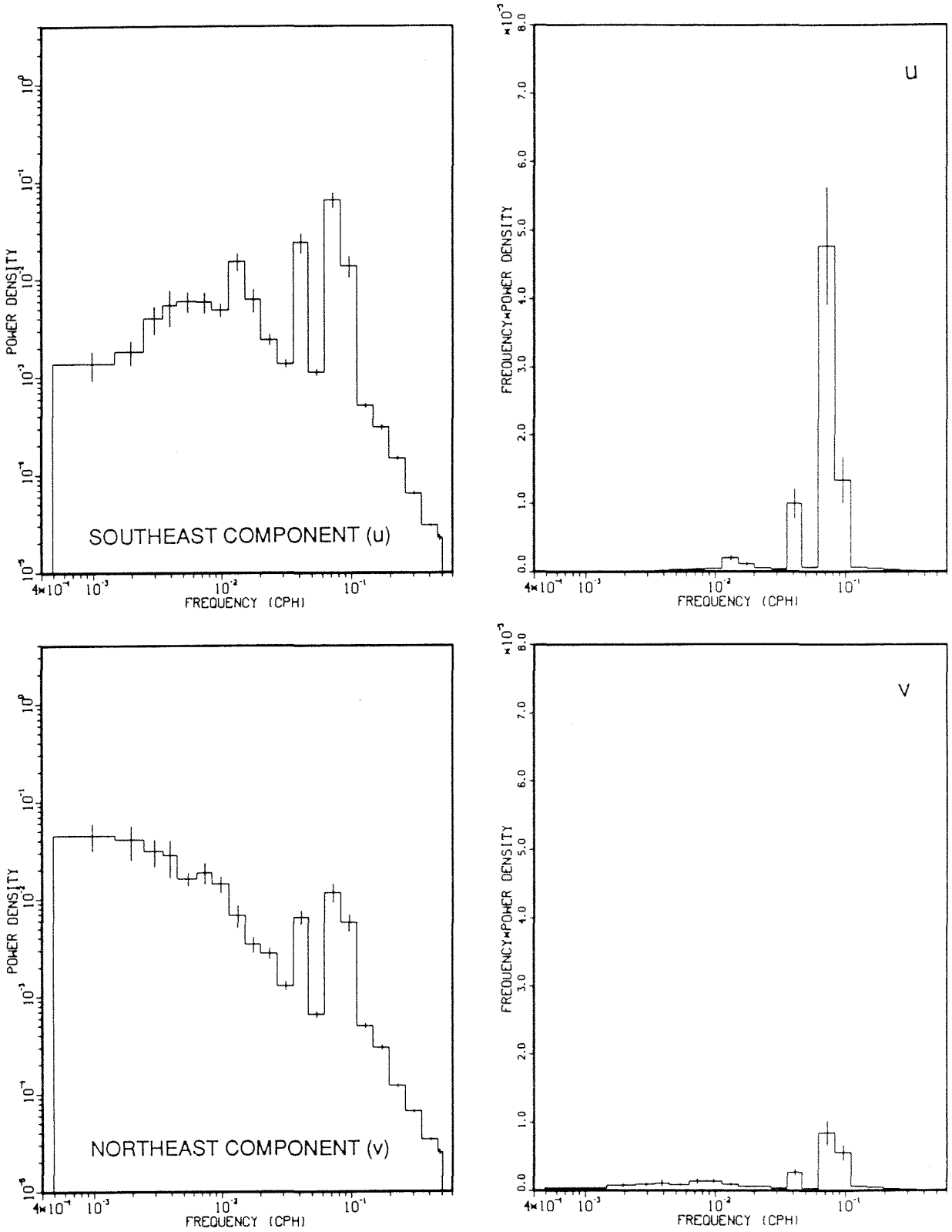


MOORING 582 AT 485M - LOW PASS
NORTHWEST BAFFIN BAY 1983/4

Mooring 582
Depth 485 m

Tidal Analysis
424.0 d centered at day 84, 1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.019	.007	120	65	C	.008	12	.018	70
O1	.010	.005	109	6	C	.006	320	.009	20
M2	.051	.017	141	225	A	.018	333	.051	227
S2	.026	.006	165	242	A	.014	41	.022	249
N2	.011	.002	134	211	A	.002	293	.011	211
MF	.003	.001	58	217	A	.002	223	.001	154
M4	.001	.000	153	300	C	.000	143	.001	298
MS4	.001	.000	167	5	A	.001	173	.001	10



MOORING 582 AT 485M
NORTHWEST BAFFIN BAY 1983/4

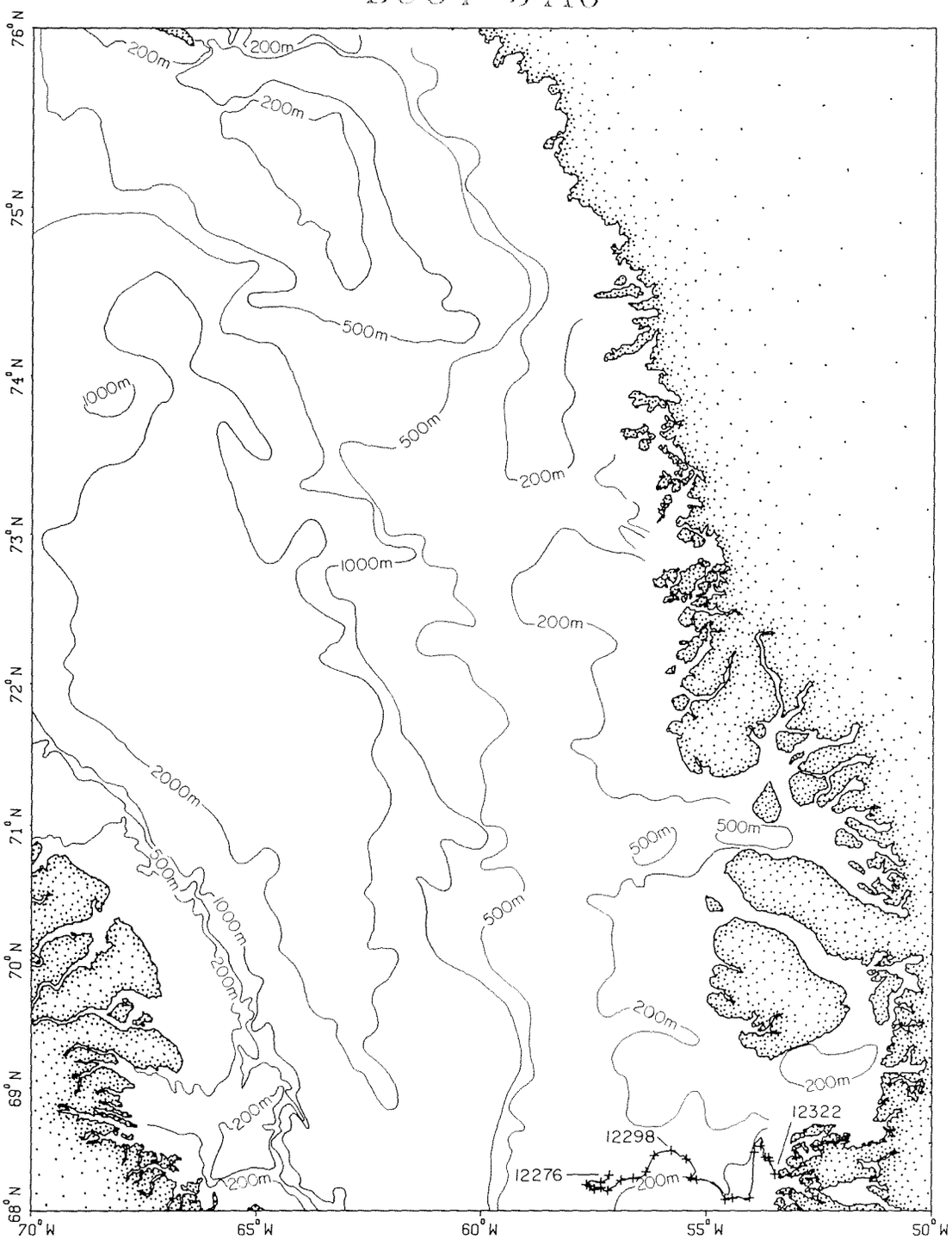
ARGOS DRIFTING BUOY 5410

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12276	12/08	0600	68.296	57.149	1800	68.275	57.174
83	12277	13/08	0600	68.270	57.164	1800	68.248	57.261
83	12278	14/08	0600	68.236	57.326	1800	68.243	57.404
83	12279	15/08	0600	68.246	57.544	1800	68.249	57.570
83	12280	16/08	0600	68.218	57.645	1800	68.222	57.604
83	12281	17/08	0600	68.216	57.622	1800	68.231	57.589
83	12282	18/08	0600	68.204	57.577	1800	68.205	57.546
83	12283	19/08	0600	68.173	57.531	1800	68.164	57.520
83	12284	20/08	0600	68.179	57.471	1800	68.169	57.498
83	12285	21/08	0600	68.181	57.432	1800	68.188	57.387
83	12286	22/08	0600	68.193	57.328	1800	68.193	57.317
83	12287	23/08	0600	68.181	57.273	1800	68.167	57.253
83	12288	24/08	0600	68.168	57.173	1800	68.183	57.125
83	12289	25/08	0600	68.209	56.999	1800	68.233	56.957
83	12290	26/08	0600	68.253	56.878	1800	68.265	56.848
83	12291	27/08	0600	68.262	56.750	1800	68.268	56.691
83	12292	28/08	0600	68.272	56.606	1800	68.281	56.537
83	12293	29/08	0600	68.278	56.440	1800	68.292	56.371
83	12294	30/08	0600	68.325	56.326	1800	68.349	56.286
83	12295	31/08	0600	68.395	56.236	1800	68.426	56.194
83	12296	01/09	0600	68.458	56.143	1800	68.476	56.073
83	12297	02/09	0600	68.488	55.968	1800	68.494	55.827
83	12298	03/09	0600	68.496	55.765	1800	68.477	55.634
83	12299	04/09	0600	68.452	55.566	1800	68.455	55.496
83	12300	05/09	0600	68.427	55.428	1800	68.405	55.337
83	12301	06/09	0600	68.326	55.225	1800	68.310	55.251
83	12302	07/09	0600	68.273	55.326	1800	68.255	55.383
83	12303	08/09	0600	68.250	55.382	1800	68.261	55.329
83	12304	09/09	0600	68.259	55.198	1800	68.264	55.141
83	12305	10/09	0600	68.250	54.951	1800	68.181	54.695
83	12306	11/09	0600	68.094	54.576	1800	68.102	54.565
83	12307	12/09	0600	68.089	54.596	1800	68.112	54.508
83	12308	13/09	0600	68.104	54.406	1800	68.120	54.299
83	12309	14/09	0600	68.109	54.195	1800	68.088	54.112
83	12310	15/09	0600	68.107	54.032	1800	68.170	53.990
83	12311	16/09	0600	68.244	53.962	1800	68.329	53.962
83	12312	17/09	0600	68.484	53.928	1800	68.555	53.909
83	12313	18/09	0600	68.607	53.782	1800	68.562	53.728
83	12314	19/09	0600	68.535	53.783	1800	68.536	53.761
83	12315	20/09	0600	68.507	53.712	1800	68.462	53.739
83	12316	21/09	0600	68.441	53.681	1800	68.440	53.658
83	12317	22/09	0600	68.435	53.655	1800	68.421	53.724
83	12318	23/09	0600	68.441	53.610	1800	68.444	53.607
83	12319	24/09	0600	68.416	53.584	1800	68.415	53.583
83	12320	25/09	0600	68.414	53.578	1800	68.414	53.577
83	12321	26/09	0600	68.417	53.581	1800	68.346	53.507

ARGOS DRIFTING BUOY 5410

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12322	27/09	0600	68.307	53.463	1800	68.306	53.464
83	12323	28/09	0600	68.305	53.465	1800	68.307	53.464

BUOY 5410


76° N
75° N
74° N
73° N
72° N
71° N
70° N
69° N
68° N
70° W
65° W
60° W
55° W
50° W
200m
500m
1000m
2000m
12276
12298
12322

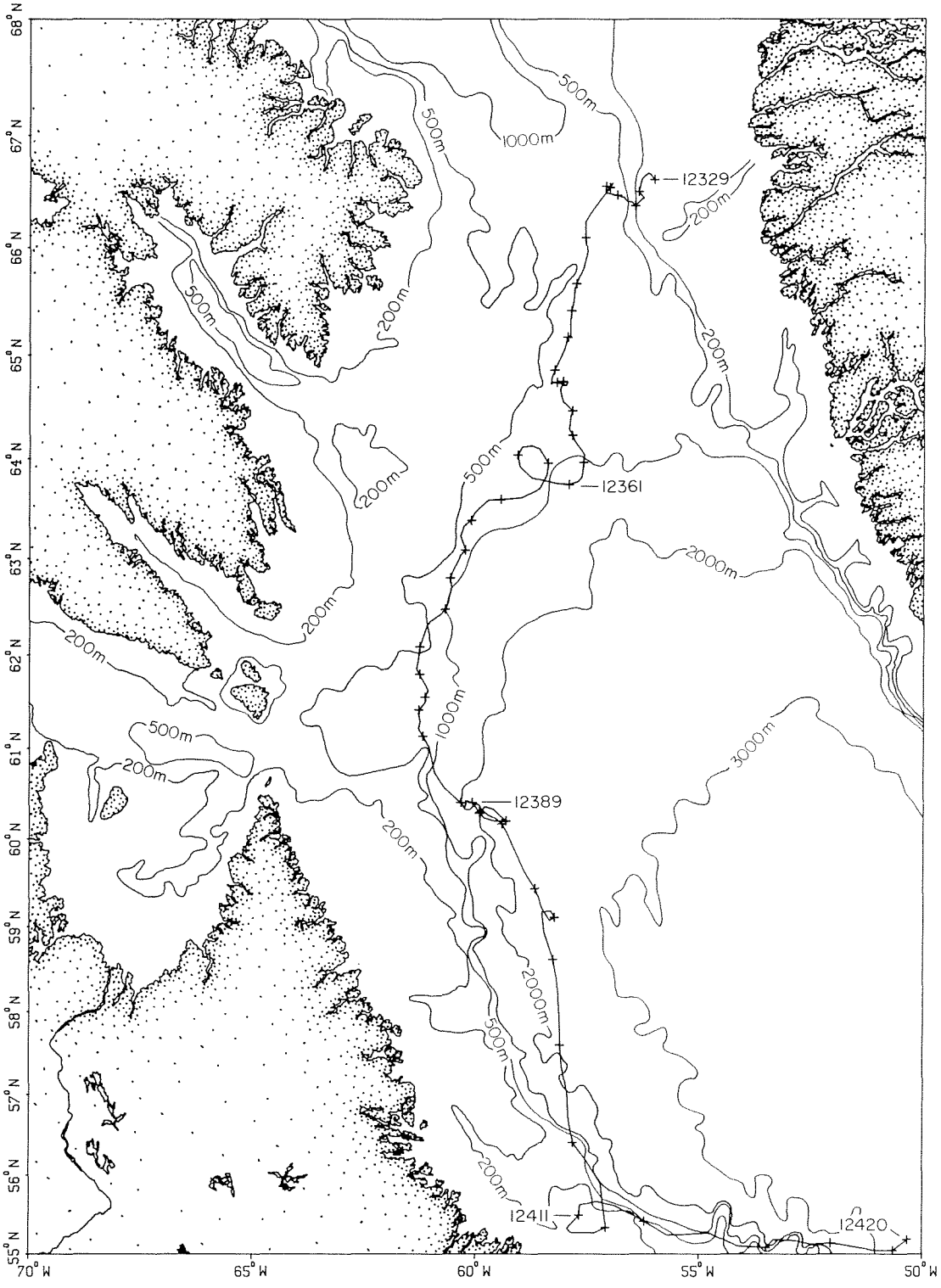
ARGOS DRIFTING BUOY 5410A

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12329	04/10	0600	66.610	56.047	1800	66.658	56.135
83	12330	05/10	0600	66.670	56.195	1800	66.617	56.333
83	12331	06/10	0600	66.504	56.392	1800	66.493	56.380
83	12332	07/10	0600	66.443	56.272	1800	66.442	56.316
83	12333	08/10	0600	66.377	56.468	1800	66.410	56.544
83	12334	09/10	0600	66.415	56.647	1800	66.455	56.724
83	12335	10/10	0600	66.474	56.870	1800	66.484	57.007
83	12336	11/10	0600	66.494	57.136	1800	66.517	57.142
83	12337	12/10	0600	66.552	57.119	1800	66.544	57.034
83	12338	13/10	0600	66.560	57.028	1800	66.581	56.976
83	12339	14/10	0600	66.542	57.039	1800	66.433	57.242
83	12340	15/10	0600	66.333	57.425	1800	66.233	57.571
83	12341	16/10	0600	66.089	57.569	1800	65.966	57.535
83	12342	17/10	0600	65.809	57.624	1800	65.739	57.714
83	12343	18/10	0600	65.669	57.776	1800	65.626	57.813
83	12344	19/10	0600	65.563	57.822	1800	65.508	57.838
83	12345	20/10	0600	65.415	57.881	1800	65.327	57.904
83	12346	21/10	0600	65.187	57.896	1800	65.167	57.931
83	12347	22/10	0600	65.167	57.963	1800	65.154	57.984
83	12348	23/10	0600	65.066	58.036	1800	64.997	58.107
83	12349	24/10	0600	64.855	58.259	1800	64.788	58.317
83	12350	25/10	0600	64.721	58.337	1800	64.741	58.294
83	12351	26/10	0600	64.735	58.203	1800	64.726	58.107
83	12352	27/10	0600	64.707	58.011	1800	64.741	57.969
83	12353	28/10	0600	64.746	58.069	1800	64.669	58.133
83	12354	29/10	0600	64.555	58.073	1800	64.523	57.989
83	12355	30/10	0600	64.464	57.855	1800	64.422	57.886
83	12356	31/10	0600	64.330	57.905	1800	64.291	57.931
83	12357	01/11	0600	64.227	57.862	1800	64.163	57.797
83	12358	02/11	0600	64.086	57.665	1800	64.038	57.594
83	12359	03/11	0600	63.962	57.610	1800	63.874	57.631
83	12360	04/11	0600	63.812	57.654	1800	63.769	57.749
83	12361	05/11	0600	63.743	57.929	1800	63.752	58.184
83	12362	06/11	0600	63.810	58.767	1800	63.921	59.037
83	12363	07/11	0600	64.036	59.082	1800	64.115	58.982
83	12364	08/11	0600	64.128	58.775	1800	64.093	58.596
83	12365	09/11	0600	63.953	58.402	1800	63.837	58.434
83	12366	10/11	0600	63.701	58.588	1800	63.614	58.991
83	12367	11/11	0600	63.595	59.453	1800	63.588	59.732
83	12368	12/11	0600	63.515	59.919	1800	63.457	60.040
83	12369	13/11	0600	63.385	60.113	1800	63.326	60.292
83	12370	14/11	0600	63.226	60.360	1800	63.170	60.315
83	12371	15/11	0600	63.085	60.254	1800	63.031	60.363
83	12372	16/11	0600	62.956	60.431	1800	62.903	60.500
83	12373	17/11	0600	62.800	60.584	1800	62.707	60.556
83	12374	18/11	0600	62.633	60.593	1800	62.569	60.613

ARGOS DRIFTING BUOY 5410A

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12375	19/11	0600	62.479	60.689	1800	62.433	60.771
83	12376	20/11	0600	62.357	61.024	1800	62.304	61.106
83	12377	21/11	0600	62.088	61.261	1800	61.990	61.286
83	12378	22/11	0600	61.856	61.332	1800	61.836	61.317
83	12379	23/11	0600	61.798	61.258	1800	61.792	61.270
83	12380	24/11	0600	61.669	61.114	1800	61.621	61.072
83	12381	25/11	0600	61.555	61.137	1800	61.511	61.119
83	12382	26/11	0600	61.451	61.206	1800	61.440	61.234
83	12383	27/11	0600	61.418	61.274	1800	61.382	61.295
83	12384	28/11	0600	61.290	61.253	1800	61.217	61.297
83	12385	29/11	0600	61.134	61.191	1800	61.024	61.058
83	12386	30/11	0600	60.737	60.924	1800	60.573	60.710
83	12387	01/12	0600	60.403	60.337	1800	60.346	60.260
83	12388	02/12	0600	60.386	60.232	1800	60.426	60.222
83	12389	03/12	0600	60.404	60.076	1800	60.353	60.008
83	12390	04/12	0600	60.340	59.996	1800	60.259	59.899
83	12391	05/12	0600	60.287	59.928	1800	60.358	59.810
83	12392	06/12	0600	60.332	59.617	1800	60.270	59.488
83	12393	07/12	0600	60.203	59.330	1800	60.196	59.307
83	12394	08/12	0600	60.201	59.573	1800	60.237	59.833
83	12395	09/12	0600	60.300	59.914	1800	60.352	59.928
83	12396	10/12	0600	60.269	59.739	1800	60.229	59.564
83	12397	11/12	0600	60.169	59.423	1800	60.084	59.322
83	12398	12/12	0600	59.912	59.167	1800	59.641	58.919
83	12399	13/12	0600	59.439	58.671	1800	59.400	58.634
83	12400	14/12	0600	59.229	58.540	1800	59.069	58.349
83	12401	15/12	0600	59.105	58.238	1800	59.179	58.327
83	12402	16/12	0600	59.168	58.522	1800	58.945	58.469
83	12403	17/12	0600	58.616	58.267	1800	58.406	58.187
83	12404	18/12	0600	58.123	58.149	1800	57.913	58.124
83	12405	19/12	0600	57.602	58.108	1800	57.370	58.070
83	12406	20/12	0600	57.011	57.951	1800	56.744	57.930
83	12407	21/12	0600	56.410	57.818	1800	56.184	57.512
83	12408	22/12	0600	55.894	57.198	1800	55.618	57.136
83	12409	23/12	0600	55.342	57.074	1800	55.272	57.323
83	12410	24/12	0600	55.276	57.854	1800	55.333	57.940
83	12411	25/12	0600	55.496	57.673	1800	55.629	57.654
83	12412	26/12	0600	55.671	57.296	1800	55.617	56.862
83	12413	27/12	0600	55.417	56.217	1800	55.241	55.696
83	12414	28/12	0600	55.269	54.767	1800	55.104	54.130
83	12415	29/12	0600	55.083	53.487	1800	55.186	53.317
83	12416	30/12	0600	55.176	52.909	1800	55.132	52.493
84	12417	31/12	0600	55.140	52.044	1800	55.111	51.698
84	12418	01/01	0600	55.071	51.285	1800	55.048	51.111
84	12419	02/01	0600	54.989	50.880	1800	55.046	50.647
84	12420	03/01	0600	55.188	50.328			

BUOY 5410A


68° N
67° N
66° N
65° N
64° N
63° N
62° N
61° N
60° N
59° N
58° N
57° N
56° N
55° N
70° W
65° W
60° W
55° W
50° W
500m
1000m
200m
2000m
3000m
12329
12361
12389
12411
12420

ARGOS DRIFTING BUOY 5411

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12277	13/08	0600	71.884	58.651	1800	71.898	58.627
83	12278	14/08	0600	71.936	58.638	1800	71.956	58.658
83	12279	15/08	0600	71.965	58.778	1800	71.942	58.800
83	12280	16/08	0600	71.942	58.774	1800	71.942	58.764
83	12281	17/08	0600	71.977	58.832	1800	71.990	58.870
83	12282	18/08	0600	71.998	58.960	1800	71.970	58.949
83	12283	19/08	0600	71.969	58.906	1800	71.985	58.821
83	12284	20/08	0600	72.018	58.778	1800	72.031	58.762
83	12285	21/08	0600	72.076	58.799	1800	72.088	58.817
83	12286	22/08	0600	72.100	58.856	1800	72.099	58.874
83	12287	23/08	0600	72.098	58.910	1800	72.077	58.893
83	12288	24/08	0600	72.065	58.836	1800	72.055	58.795
83	12289	25/08	0600	72.056	58.783	1800	72.064	58.750
83	12290	26/08	0600	72.084	58.749	1800	72.069	58.717
83	12291	27/08	0600	72.068	58.639	1800	72.080	58.550
83	12292	28/08	0600	72.115	58.516	1800	72.143	58.548
83	12293	29/08	0600	72.161	58.608	1800	72.155	58.654
83	12294	30/08	0600	72.156	58.763	1800	72.157	58.808
83	12295	31/08	0600	72.147	58.917	1800	72.133	58.959
83	12296	01/09	0600	72.134	59.013	1800	72.137	59.025
83	12297	02/09	0600	72.141	59.081	1800	72.117	59.085
83	12298	03/09	0600	72.121	59.091	1800	72.118	59.087
83	12299	04/09	0600	72.119	59.114	1800	72.107	59.141
83	12300	05/09	0600	72.094	59.157	1800	72.082	59.060
83	12301	06/09	0600	72.104	58.891	1800	72.090	58.851
83	12302	07/09	0600	72.097	58.773	1800	72.068	58.693
83	12303	08/09	0600	72.030	58.688	1800	71.990	58.696
83	12304	09/09	0600	71.970	58.709	1800	71.952	58.736
83	12305	10/09	0600	71.950	58.735	1800	71.931	58.750
83	12306	11/09	0600	71.897	58.789	1800	71.854	58.805
83	12307	12/09	0600	71.827	58.826	1800	71.784	58.817
83	12308	13/09	0600	71.757	58.792	1800	71.734	58.763
83	12309	14/09	0600	71.710	58.731	1800	71.667	58.733
83	12310	15/09	0600	71.631	58.747	1800	71.589	58.759
83	12311	16/09	0600	71.563	58.796	1800	71.509	58.841
83	12312	17/09	0600	71.484	58.883	1800	71.458	58.944
83	12313	18/09	0600	71.463	59.005	1800	71.442	59.067
83	12314	19/09	0600	71.430	59.112	1800	71.396	59.087
83	12315	20/09	0600	71.386	59.065	1800	71.347	59.063
83	12316	21/09	0600	71.322	59.062	1800	71.291	59.013
83	12317	22/09	0600	71.276	59.006	1800	71.244	59.032
83	12318	23/09	0600	71.258	59.143	1800	71.279	59.204
83	12319	24/09	0600	71.264	59.265	1800	71.246	59.242
83	12320	25/09	0600	71.253	59.174	1800	71.247	59.141
83	12321	26/09	0600	71.268	59.117	1800	71.296	59.142
83	12322	27/09	0600	71.341	59.215	1800	71.360	59.315

ARGOS DRIFTING BUOY 5411

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12323	28/09	0600	71.365	59.383	1800	71.362	59.418
83	12324	29/09	0600	71.368	59.394	1800	71.354	59.433
83	12325	30/09	0600	71.370	59.423	1800	71.383	59.426
83	12326	01/10	0600	71.448	59.419	1800	71.487	59.314
83	12327	02/10	0600	71.547	59.194	1800	71.563	59.223
83	12328	03/10	0600	71.610	59.349	1800	71.600	59.426
83	12329	04/10	0600	71.594	59.567	1800	71.569	59.577
83	12330	05/10	0600	71.559	59.560	1800	71.543	59.526
83	12331	06/10	0600	71.504	59.490	1800	71.475	59.405
83	12332	07/10	0600	71.436	59.391	1800	71.410	59.419
83	12333	08/10	0600	71.388	59.453	1800	71.377	59.456
83	12334	09/10	0600	71.379	59.390	1800	71.388	59.332
83	12335	10/10	0600	71.408	59.330	1800	71.422	59.398
83	12336	11/10	0600	71.472	59.482	1800	71.523	59.593
83	12337	12/10	0600	71.576	59.645	1800	71.584	59.751
83	12338	13/10	0600	71.592	59.765	1800	71.564	59.791
83	12339	14/10	0600	71.536	59.799	1800	71.475	59.798
83	12340	15/10	0600	71.473	59.790	1800	71.473	59.823
83	12341	16/10	0600	71.476	59.775	1800	71.436	59.712
83	12342	17/10	0600	71.438	59.639	1800	71.413	59.683
83	12343	18/10	0600	71.374	59.698	1800	71.347	59.753
83	12344	19/10	0600	71.351	59.842	1800	71.347	59.866
83	12345	20/10	0600	71.336	59.916	1800	71.322	59.957
83	12346	21/10	0600	71.319	59.923	1800	71.339	59.969
83	12347	22/10	0600	71.402	59.952	1800	71.473	59.927
83	12348	23/10	0600	71.464	59.826	1800	71.417	59.727
83	12349	24/10	0600	71.413	59.651	1800	71.396	59.657
83	12350	25/10	0600	71.416	59.727	1800	71.459	59.691
83	12351	26/10	0600	71.512	59.644	1800	71.560	59.680
83	12352	27/10	0600	71.631	59.694	1800	71.645	59.710
83	12353	28/10	0600	71.653	59.682	1800	71.630	59.684
83	12354	29/10	0600	71.619	59.702	1800	71.584	59.714
83	12355	30/10	0600	71.556	59.628	1800	71.520	59.644
83	12356	31/10	0600	71.458	59.611	1800	71.378	59.638
83	12357	01/11	0600	71.362	59.578	1800	71.348	59.644
83	12358	02/11	0600	71.318	59.658	1800	71.255	59.579
83	12359	03/11	0600	71.169	59.501	1800	71.146	59.452
83	12360	04/11	0600	71.096	59.353	1800	71.106	59.279
83	12361	05/11	0600	71.118	59.107	1800	71.104	59.034
83	12362	06/11	0600	71.096	59.030	1800	71.127	59.063
83	12363	07/11	0600	71.166	59.168	1800	71.240	59.371
83	12364	08/11	0600	71.294	59.556	1800	71.320	59.582
83	12365	09/11	0600	71.308	59.469	1800	71.292	59.490
83	12366	10/11	0600	71.265	59.482	1800	71.219	59.500
83	12367	11/11	0600	71.203	59.392	1800	71.156	59.369
83	12368	12/11	0600	71.075	59.206	1800	71.055	59.074

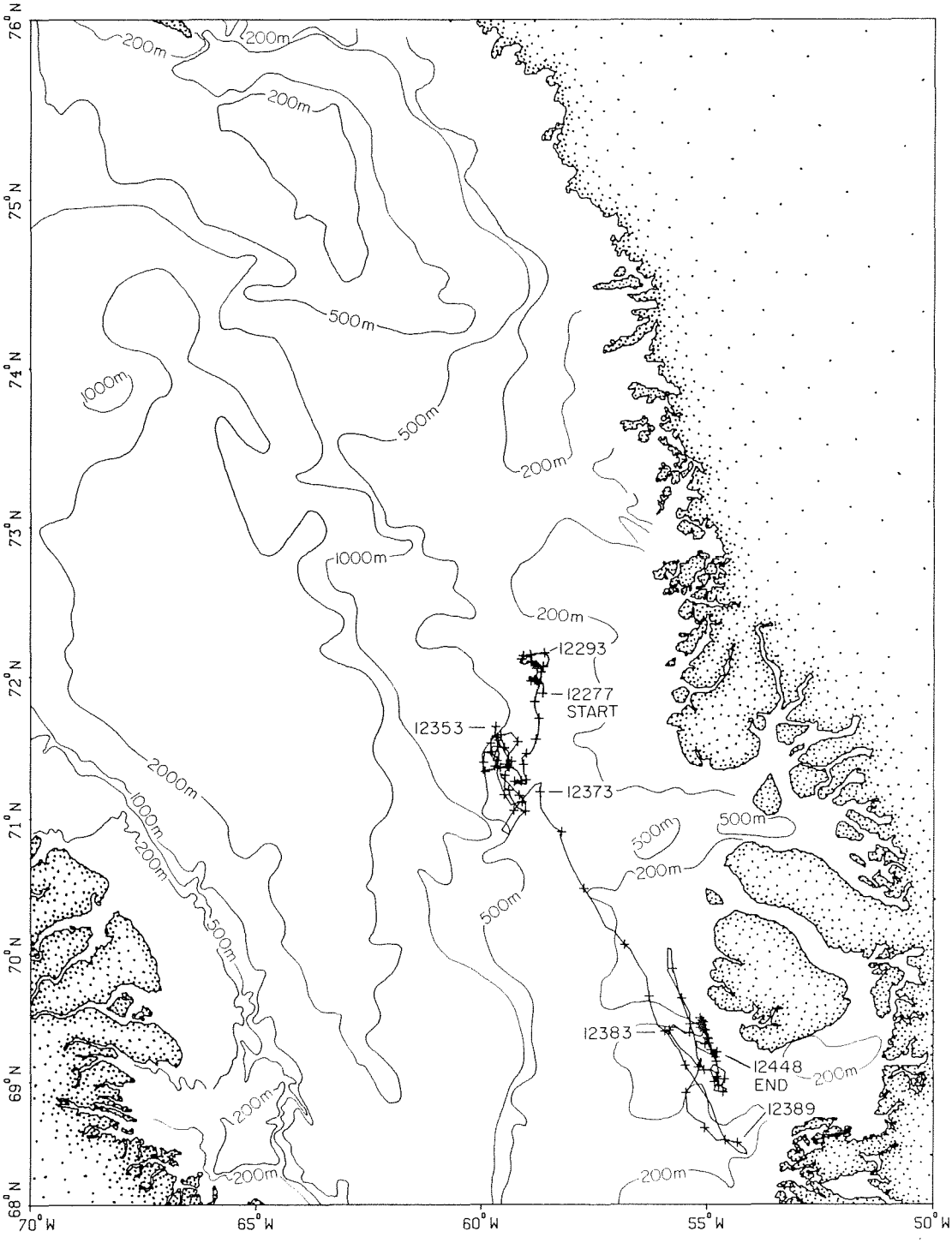
ARGOS DRIFTING BUOY 5411

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12369	13/11	0600	71.052	59.030	1800	71.013	59.165
83	12370	14/11	0600	70.883	59.396	1800	70.913	59.555
83	12371	15/11	0600	71.057	59.286	1800	71.144	59.078
83	12372	16/11	0600	71.243	58.800	1800	71.257	58.672
83	12373	17/11	0600	71.192	58.710	1800	71.070	58.692
83	12374	18/11	0600	70.980	58.504	1800	70.935	58.396
83	12375	19/11	0600	70.902	58.225	1800	70.880	58.269
83	12376	20/11	0600	70.737	58.116	1800	70.659	58.018
83	12377	21/11	0600	70.486	57.733	1800	70.373	57.504
83	12378	22/11	0600	70.200	57.250	1800	70.170	57.089
83	12379	23/11	0600	70.064	56.835	1800	70.028	56.711
83	12380	24/11	0600	69.895	56.502	1800	69.814	56.343
83	12381	25/11	0600	69.670	56.287	1800	69.567	56.219
83	12382	26/11	0600	69.435	56.079	1800	69.418	56.000
83	12383	27/11	0600	69.396	55.934	1800	69.375	55.867
83	12384	28/11	0600	69.288	55.714	1800	69.249	55.608
83	12385	29/11	0600	69.129	55.474	1800	69.021	55.286
83	12386	30/11	0600	68.826	54.928	1800	68.683	54.791
83	12387	01/12	0600	68.531	54.595	1800	68.430	54.273
83	12388	02/12	0600	68.416	54.106	1800	68.457	54.143
83	12389	03/12	0600	68.512	54.321	1800	68.533	54.601
83	12390	04/12	0600	68.525	54.778	1800	68.559	54.865
83	12391	05/12	0600	68.628	55.051	1800	68.661	55.046
83	12392	06/12	0600	68.698	55.249	1800	68.761	55.437
83	12393	07/12	0600	68.912	55.468	1800	69.031	55.254
83	12394	08/12	0600	69.165	55.118	1800	69.186	55.127
83	12395	09/12	0600	69.114	55.184	1800	69.185	55.332
83	12396	10/12	0600	69.262	55.583	1800	69.347	55.750
83	12397	11/12	0600	69.406	55.835	1800	69.449	55.750
83	12398	12/12	0600	69.413	55.605	1800	69.377	55.492
83	12399	13/12	0600	69.388	55.385	1800	69.449	55.373
83	12400	14/12	0600	69.486	55.385	1800	69.532	55.373
83	12401	15/12	0600	69.656	55.562	1800	69.860	55.876
83	12402	16/12	0600	70.037	55.887	1800	70.028	55.801
83	12403	17/12	0600	69.884	55.769	1800	69.799	55.691
83	12404	18/12	0600	69.667	55.609	1800	69.590	55.513
83	12405	19/12	0600	69.456	55.373	1800	69.374	55.289
83	12406	20/12	0600	69.198	55.218	1800	69.151	55.147
83	12407	21/12	0600	69.092	55.059	1800	69.095	54.959
83	12408	22/12	0600	69.099	54.923	1800	69.070	54.801
83	12409	23/12	0600	69.042	54.787	1800	69.040	54.743
83	12410	24/12	0600	68.996	54.773	1800	68.977	54.746
83	12411	25/12	0600	68.972	54.746	1800	69.001	54.738
83	12412	26/12	0600	68.964	54.807	1800	68.928	54.851
83	12413	27/12	0600	68.919	54.646	1800	68.940	54.563
83	12414	28/12	0600	68.967	54.717	1800	68.979	54.663

ARGOS DRIFTING BUOY 5411

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12415	29/12	0600	69.021	54.612	1800	69.082	54.602
83	12416	30/12	0600	69.137	54.846	1800	69.088	54.916
84	12417	31/12	0600	68.998	54.840	1800	69.068	54.742
84	12418	01/01	0600	69.112	54.762	1800	69.139	54.772
84	12419	02/01	0600	69.160	54.785	1800	69.208	54.881
84	12420	03/01	0600	69.270	55.218	1800	69.321	55.230
84	12421	04/01	0600	69.296	55.036	1800	69.344	54.954
84	12422	05/01	0600	69.413	55.027	1800	69.423	55.019
84	12423	06/01	0600	69.340	54.964	1800	69.353	54.958
84	12424	07/01	0600	69.403	55.102	1800	69.491	55.151
84	12425	08/01	0600	69.503	55.154	1800	69.498	55.147
84	12426	09/01	0600	69.474	55.144	1800	69.472	55.142
84	12427	10/01	0600	69.463	55.131	1800	69.463	55.129
84	12428	11/01	0600	69.449	55.115	1800	69.446	55.102
84	12429	12/01	0600	69.447	55.101	1800	69.444	55.095
84	12430	13/01	0600	69.435	55.089	1800	69.390	55.055
84	12431	14/01	0600	69.346	54.989	1800	69.348	54.973
84	12432	15/01	0600	69.357	54.976	1800	69.396	55.015
84	12433	16/01	0600	69.415	55.083	1800	69.411	55.095
84	12434	17/01	0600	69.416	55.119	1800	69.445	55.138
84	12435	18/01	0600	69.426	55.146	1800	69.442	55.150
84	12436	19/01	0600	69.472	55.127	1800	69.496	55.131
84	12437	20/01	0600	69.483	55.114	1800	69.494	55.107
84	12438	21/01	0600	69.478	55.096	1800	69.484	55.089
84	12439	22/01	0600	69.470	55.075	1800	69.471	55.068
84	12440	23/01	0600	69.458	55.053	1800	69.455	55.044
84	12441	24/01	0600	69.408	55.026	1800	69.361	54.996
84	12442	25/01	0600	69.317	54.982	1800	69.303	54.959
84	12443	26/01	0600	69.305	54.948	1800	69.294	54.936
84	12444	27/01	0600	69.250	54.905	1800	69.246	54.902
84	12445	28/01	0600	69.253	54.902	1800	69.259	54.892
84	12446	29/01	0600	69.265	54.897	1800	69.230	54.869
84	12447	30/01	0600	69.194	54.810	1800	69.222	54.788
84	12448	31/01	0600	69.232	54.780	1800	69.235	54.773

BUOY 5411


76° N
75° N
74° N
73° N
72° N
71° N
70° N
69° N
68° N
70° W
65° W
60° W
55° W
50° W
200m
500m
1000m
2000m
12293
12277
START
12353
12373
12383
12448
END
12389

ARGOS DRIFTING BUOY 5412

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12279	15/08	0600	75.571	78.660	1800	75.499	78.563
83	12280	16/08	0600	75.375	78.292	1800	75.226	78.300
83	12281	17/08	0600	75.113	78.377	1800	75.009	78.410
83	12282	18/08	0600	74.909	78.459	1800	74.795	78.576
83	12283	19/08	0600	74.677	78.911	1800	74.605	79.580
83	12284	20/08	0600	74.527	80.298	1800	74.384	81.340
83	12285	21/08	0600	74.231	82.116	1800	74.001	82.221
83	12286	22/08	0600	73.915	81.778	1800	74.024	81.010
83	12287	23/08	0600	74.087	80.927	1800	74.086	80.969
83	12288	24/08	0600	74.064	80.956	1800	74.036	80.937
83	12289	25/08	0600	74.007	80.886	1800	74.008	80.794
83	12290	26/08	0600	74.035	80.599	1800	74.025	80.317
83	12291	27/08	0600	73.952	80.067	1800	73.845	79.640
83	12292	28/08	0600	73.801	79.113	1800	73.795	78.275
83	12293	29/08	0600	73.854	77.481	1800	74.043	76.665
83	12294	30/08	0600	74.039	76.069	1800	74.009	75.790
83	12295	31/08	0600	73.930	75.748	1800	73.776	75.840
83	12296	01/09	0600	73.509	76.115	1800	73.291	75.796
83	12297	02/09	0600	73.256	75.164	1800	73.379	75.247
83	12298	03/09	0600	73.544	75.709	1800	73.515	76.251
83	12299	04/09	0600	73.323	76.382	1800	73.189	75.583
83	12300	05/09	0600	73.261	74.971	1800	73.338	75.020
83	12301	06/09	0600	73.322	75.622	1800	73.307	76.225
83	12302	07/09	0600	73.124	75.708	1800	73.103	75.145
83	12303	08/09	0600	73.185	75.069	1800	73.295	75.716
83	12304	09/09	0600	73.296	76.361	1800	73.185	76.411
83	12305	10/09	0600	73.109	76.259	1800	73.054	76.026
83	12306	11/09	0600	73.027	75.480	1800	73.156	75.181
83	12307	12/09	0600	73.309	75.405	1800	73.310	76.021
83	12308	13/09	0600	73.146	75.756	1800	73.134	75.354
83	12309	14/09	0600	73.269	75.719	1800	73.194	75.949
83	12310	15/09	0600	73.140	75.619	1800	73.299	75.375
83	12311	16/09	0600	73.315	75.811	1800	73.133	75.667
83	12312	17/09	0600	73.137	75.314	1800	73.267	75.677
83	12313	18/09	0600	73.237	76.199	1800	73.097	75.744
83	12314	19/09	0600	73.120	75.081	1800	73.187	74.952
83	12315	20/09	0600	73.221	75.107	1800	73.228	75.471
83	12316	21/09	0600	73.150	75.829	1800	72.990	75.810
83	12317	22/09	0600	72.790	75.744	1800	72.634	75.506
83	12318	23/09	0600	72.560	75.052	1800	72.568	74.882
83	12319	24/09	0600	72.550	74.693	1800	72.489	74.384
83	12320	25/09	0600	72.458	74.077	1800	72.349	73.641
83	12321	26/09	0600	72.210	73.477	1800	72.029	73.541
83	12322	27/09	0600	71.856	73.731	1800	71.780	73.663
83	12323	28/09	0600	71.770	73.641	1800	71.769	73.644
83	12324	29/09	0600	71.770	73.643	1800	71.769	73.646

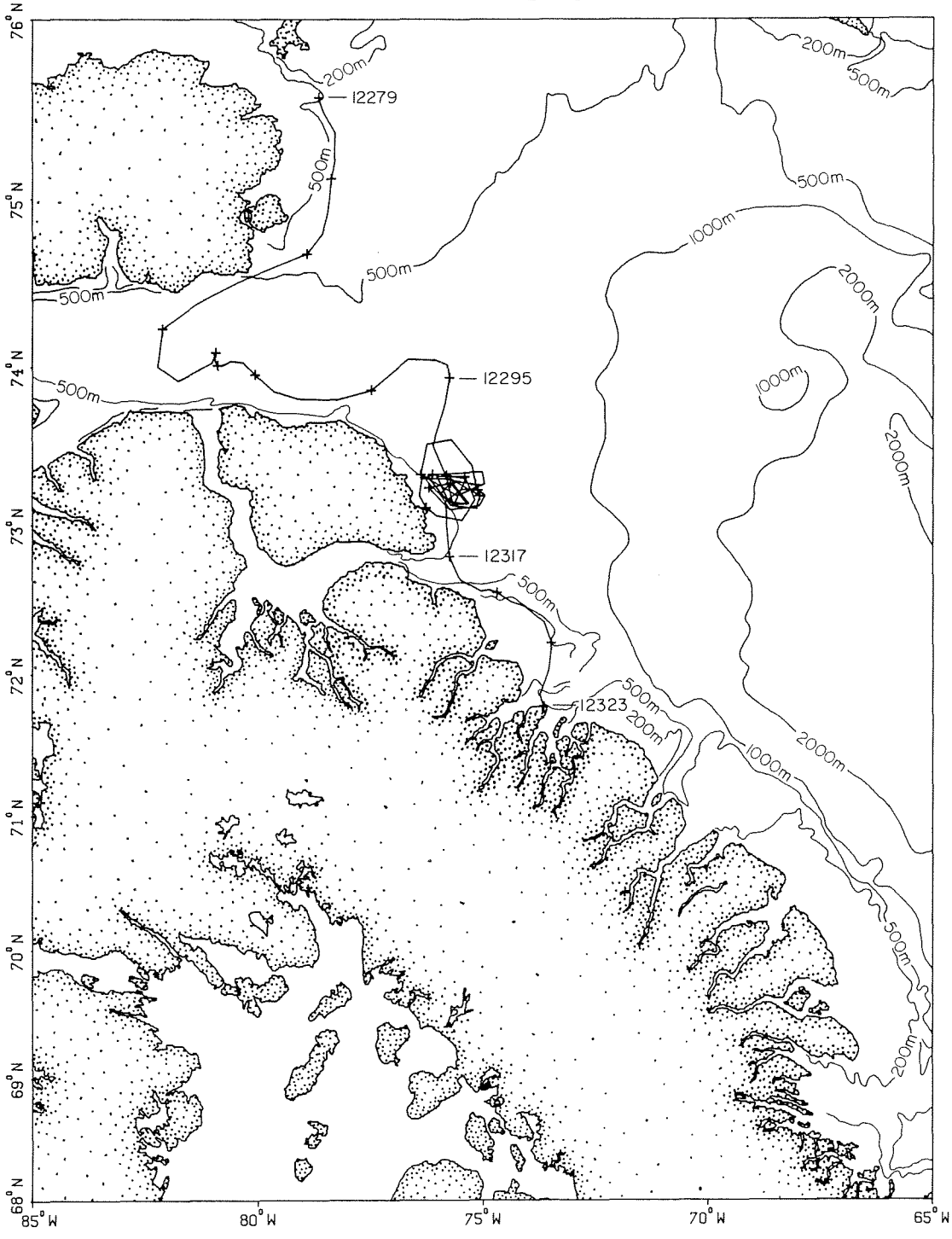
ARGOS DRIFTING BUOY 5412

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12325	30/09	0600	71.769	73.644	1800	71.767	73.643
83	12326	01/10	0600	71.767	73.637	1800	71.767	73.641
83	12327	02/10	0600	71.767	73.640	1800	71.767	73.645
83	12328	03/10	0600	71.767	73.642	1800	71.767	73.646
83	12329	04/10	0600	71.767	73.639	1800	71.767	73.642
83	12330	05/10	0600	71.768	73.646	1800	71.768	73.643
83	12331	06/10	0600	71.767	73.646	1800	71.768	73.644
83	12332	07/10	0600	71.768	73.648	1800	71.767	73.643
83	12333	08/10	0600	71.768	73.643	1800	71.766	73.643
83	12334	09/10	0600	71.769	73.635	1800	71.767	73.641
83	12335	10/10	0600	71.768	73.647	1800	71.768	73.640
83	12336	11/10	0600	71.769	73.654	1800	71.767	73.640
83	12337	12/10	0600	71.765	73.643	1800	71.765	73.641
83	12338	13/10	0600	71.771	73.643	1800	71.767	73.643
83	12339	14/10	0600	71.769	73.636	1800	71.767	73.644
83	12340	15/10	0600	71.768	73.647	1800	71.766	73.644
83	12341	16/10	0600	71.767	73.644	1800	71.766	73.644
83	12342	17/10	0600	71.767	73.642	1800	71.768	73.642
83	12343	18/10	0600	71.768	73.643	1800	71.767	73.642
83	12344	19/10	0600	71.768	73.644	1800	71.767	73.644
83	12345	20/10	0600	71.767	73.643	1800	71.767	73.642
83	12346	21/10	0600	71.768	73.645	1800	71.768	73.643
83	12347	22/10	0600	71.766	73.646	1800	71.767	73.640
83	12348	23/10	0600	71.767	73.645	1800	71.767	73.644
83	12349	24/10	0600	71.768	73.647	1800	71.768	73.645
83	12350	25/10	0600	71.766	73.641	1800	71.767	73.643
83	12351	26/10	0600	71.768	73.638	1800	71.767	73.644
83	12352	27/10	0600	71.766	73.641	1800	71.768	73.640
83	12353	28/10	0600	71.767	73.639	1800	71.767	73.642
83	12354	29/10	0600	71.767	73.642	1800	71.767	73.642
83	12355	30/10	0600	71.767	73.643	1800	71.767	73.644
83	12356	31/10	0600	71.768	73.641	1800	71.768	73.645
83	12357	01/11	0600	71.767	73.640	1800	71.766	73.644
83	12358	02/11	0600	71.768	73.647	1800	71.767	73.645
83	12359	03/11	0600	71.768	73.643	1800	71.766	73.643
83	12360	04/11	0600	71.769	73.643	1800	71.767	73.648
83	12361	05/11	0600	71.769	73.643	1800	71.767	73.640
83	12362	06/11	0600	71.767	73.646	1800	71.766	73.642
83	12363	07/11	0600	71.768	73.643	1800	71.767	73.644
83	12364	08/11	0600	71.768	73.642	1800	71.767	73.642
83	12365	09/11	0600	71.767	73.647	1800	71.766	73.643
83	12366	10/11	0600	71.770	73.643	1800	71.767	73.643
83	12367	11/11	0600	71.768	73.640	1800	71.767	73.643
83	12368	12/11	0600	71.767	73.640	1800	71.767	73.644
83	12369	13/11	0600	71.767	73.641	1800	71.767	73.646
83	12370	14/11	0600	71.766	73.645	1800	71.766	73.645

ARGOS DRIFTING BUOY 5412

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12371	15/11	0600	71.767	73.643	1800	71.767	73.644
83	12372	16/11	0600	71.767	73.644	1800	71.767	73.642
83	12373	17/11	0600	71.767	73.639	1800	71.767	73.643
83	12374	18/11	0600	71.766	73.647			

BUOY 5412


76° N
75° N
74° N
73° N
72° N
71° N
70° N
69° N
68° N
85° W
80° W
75° W
70° W
65° W
12279
12295
12317
12323
200m
500m
1000m
2000m

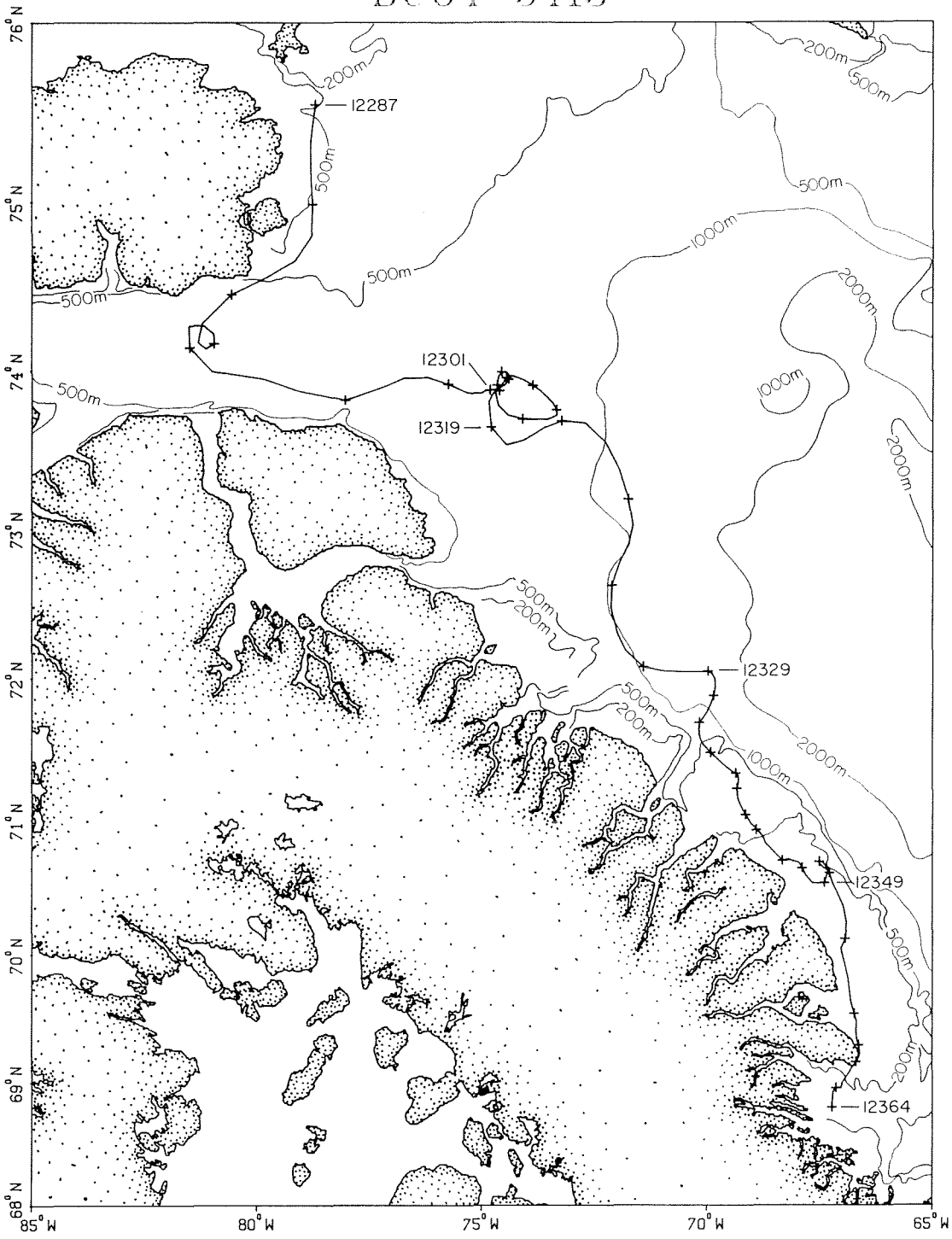
ARGOS DRIFTING BUOY 5413

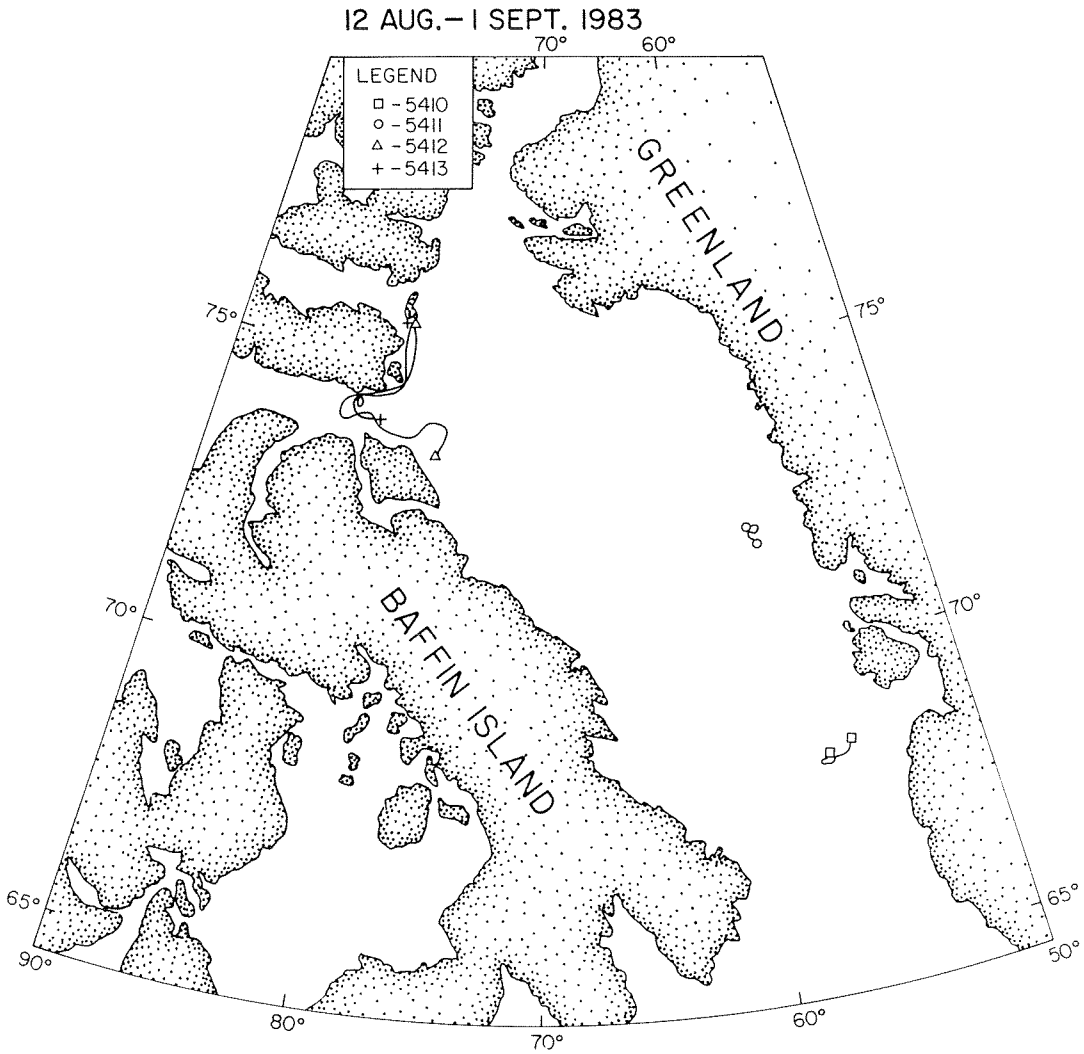
YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12287	23/08	0600	75.552	78.721	1800	75.441	78.779
83	12288	24/08	0600	75.342	78.815	1800	75.176	78.809
83	12289	25/08	0600	74.988	78.771	1800	74.807	78.790
83	12290	26/08	0600	74.660	79.162	1800	74.564	79.777
83	12291	27/08	0600	74.459	80.569	1800	74.284	81.216
83	12292	28/08	0600	74.169	81.300	1800	74.133	81.125
83	12293	29/08	0600	74.163	80.948	1800	74.223	80.961
83	12294	30/08	0600	74.272	81.180	1800	74.271	81.502
83	12295	31/08	0600	74.139	81.487	1800	73.993	80.986
83	12296	01/09	0600	73.949	79.893	1800	73.877	79.130
83	12297	02/09	0600	73.816	78.043	1800	73.894	77.238
83	12298	03/09	0600	73.951	76.759	1800	73.956	76.228
83	12299	04/09	0600	73.914	75.757	1800	73.862	75.319
83	12300	05/09	0600	73.858	75.033	1800	73.875	74.927
83	12301	06/09	0600	73.878	74.828	1800	73.881	74.728
83	12302	07/09	0600	73.895	74.615	1800	73.913	74.492
83	12303	08/09	0600	73.945	74.413	1800	73.980	74.436
83	12304	09/09	0600	73.990	74.505	1800	73.988	74.561
83	12305	10/09	0600	73.990	74.564	1800	73.991	74.584
83	12306	11/09	0600	73.981	74.608	1800	73.961	74.635
83	12307	12/09	0600	73.909	74.666	1800	73.860	74.699
83	12308	13/09	0600	73.781	74.635	1800	73.720	74.410
83	12309	14/09	0600	73.698	74.098	1800	73.698	73.779
83	12310	15/09	0600	73.697	73.547	1800	73.722	73.344
83	12311	16/09	0600	73.755	73.348	1800	73.795	73.426
83	12312	17/09	0600	73.825	73.523	1800	73.872	73.702
83	12313	18/09	0600	73.906	73.875	1800	73.932	74.023
83	12314	19/09	0600	73.952	74.190	1800	73.964	74.348
83	12315	20/09	0600	73.954	74.459	1800	73.922	74.539
83	12316	21/09	0600	73.901	74.580	1800	73.882	74.611
83	12317	22/09	0600	73.875	74.615	1800	73.869	74.693
83	12318	23/09	0600	73.856	74.760	1800	73.809	74.850
83	12319	24/09	0600	73.648	74.799	1800	73.536	74.458
83	12320	25/09	0600	73.566	74.071	1800	73.642	73.627
83	12321	26/09	0600	73.686	73.227	1800	73.673	72.711
83	12322	27/09	0600	73.554	72.261	1800	73.385	71.961
83	12323	28/09	0600	73.189	71.742	1800	73.025	71.651
83	12324	29/09	0600	72.905	71.739	1800	72.781	71.940
83	12325	30/09	0600	72.626	72.111	1800	72.478	72.128
83	12326	01/10	0600	72.307	71.988	1800	72.176	71.772
83	12327	02/10	0600	72.075	71.416	1800	72.049	71.027
83	12328	03/10	0600	72.043	70.507	1800	72.043	70.197
83	12329	04/10	0600	72.045	69.979	1800	72.033	69.903
83	12330	05/10	0600	71.994	69.829	1800	71.942	69.820
83	12331	06/10	0600	71.877	69.854	1800	71.822	69.918
83	12332	07/10	0600	71.766	69.999	1800	71.720	70.093

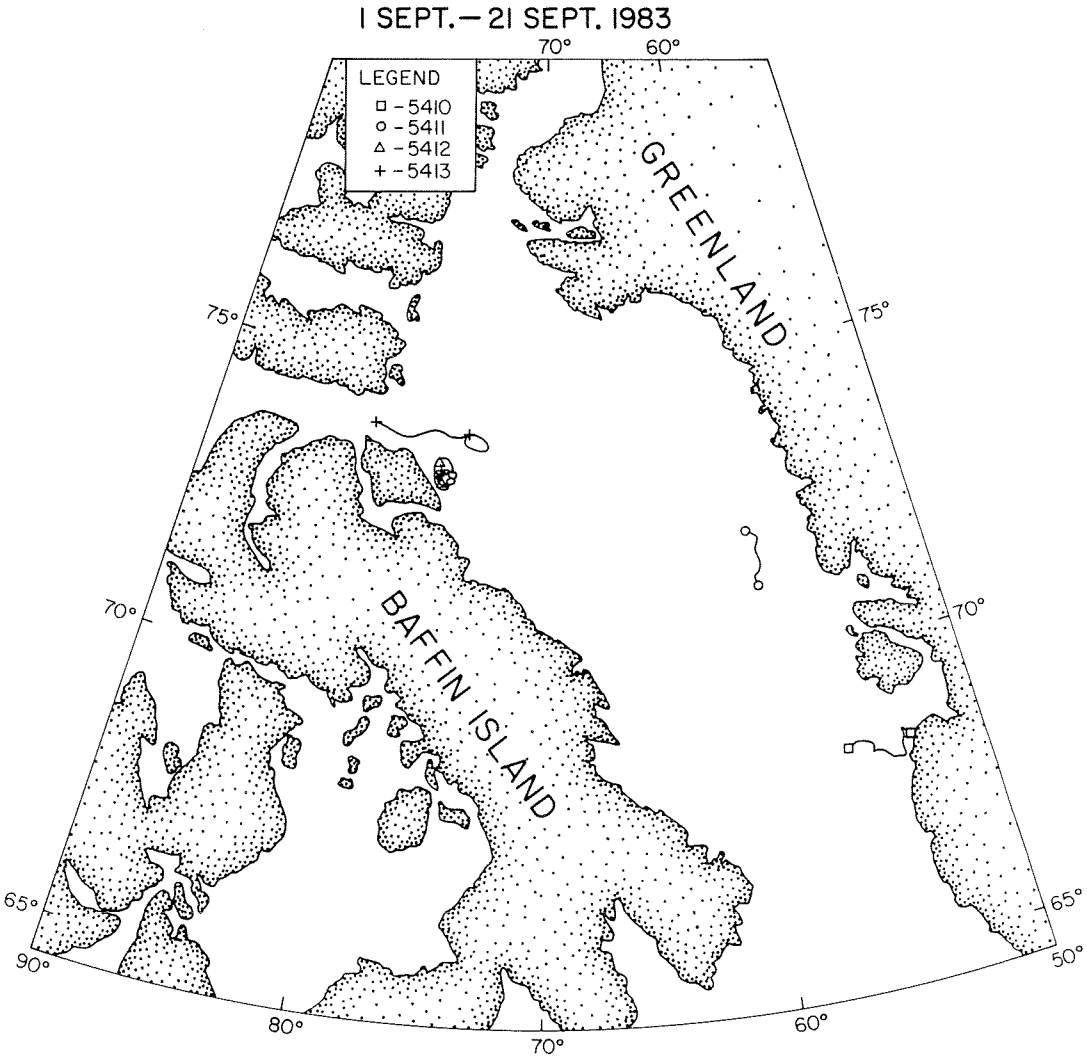
ARGOS DRIFTING BUOY 5413

YR	JUL DAY	DATE DD/MM	TIME UTC	LAT (N)	LONG (W)	TIME UTC	LAT (N)	LONG (W)
83	12333	08/10	0600	71.689	70.167	1800	71.642	70.179
83	12334	09/10	0600	71.595	70.159	1800	71.544	70.098
83	12335	10/10	0600	71.479	69.914	1800	71.429	69.746
83	12336	11/10	0600	71.383	69.586	1800	71.355	69.472
83	12337	12/10	0600	71.331	69.356	1800	71.315	69.305
83	12338	13/10	0600	71.289	69.295	1800	71.253	69.309
83	12339	14/10	0600	71.223	69.331	1800	71.192	69.335
83	12340	15/10	0600	71.157	69.317	1800	71.105	69.257
83	12341	16/10	0600	71.035	69.149	1800	70.993	69.071
83	12342	17/10	0600	70.967	69.022	1800	70.950	68.965
83	12343	18/10	0600	70.924	68.909	1800	70.915	68.868
83	12344	19/10	0600	70.875	68.763	1800	70.821	68.696
83	12345	20/10	0600	70.699	68.324	1800	70.707	68.205
83	12346	21/10	0600	70.693	68.079	1800	70.687	67.973
83	12347	22/10	0600	70.645	67.890	1800	70.590	67.807
83	12348	23/10	0600	70.534	67.661	1800	70.531	67.573
83	12349	24/10	0600	70.535	67.391	1800	70.613	67.319
83	12350	25/10	0600	70.664	67.375	1800	70.690	67.455
83	12351	26/10	0600	70.690	67.507	1800	70.679	67.515
83	12352	27/10	0600	70.645	67.421	1800	70.631	67.341
83	12353	28/10	0600	70.608	67.283	1800	70.544	67.217
83	12354	29/10	0600	70.366	66.976	1800	70.241	66.906
83	12355	30/10	0600	70.115	66.935	1800	70.044	67.029
83	12356	31/10	0600	69.835	66.882	1800	69.627	66.806
83	12357	01/11	0600	69.541	66.727	1800	69.481	66.674
83	12358	02/11	0600	69.413	66.688	1800	69.344	66.667
83	12359	03/11	0600	69.294	66.627	1800	69.251	66.606
83	12360	04/11	0600	69.220	66.608	1800	69.188	66.644
83	12361	05/11	0600	69.163	66.682	1800	69.129	66.748
83	12362	06/11	0600	68.999	66.997	1800	68.955	67.027
83	12363	07/11	0600	68.954	67.137	1800	68.923	67.205
83	12364	08/11	0600	68.799	67.225			

BUOY 5413


76° N
75° N
74° N
73° N
72° N
71° N
70° N
69° N
68° N
85° W
80° W
75° W
70° W
65° W
12287
12301
12319
12329
12349
12364
200m
500m
1000m
2000m


12 AUG.–1 SEPT. 1983
LEGEND
□ - 5410
○ - 5411
△ - 5412
+ - 5413
GREENLAND
BAFFIN ISLAND
70°
60°
75°
75°
70°
70°
65°
65°
90°
80°
70°
60°
50°


1 SEPT.—21 SEPT. 1983
LEGEND
□ - 5410
○ - 5411
△ - 5412
+ - 5413
GREENLAND
BAFFIN ISLAND
70°
60°
75°
75°
70°
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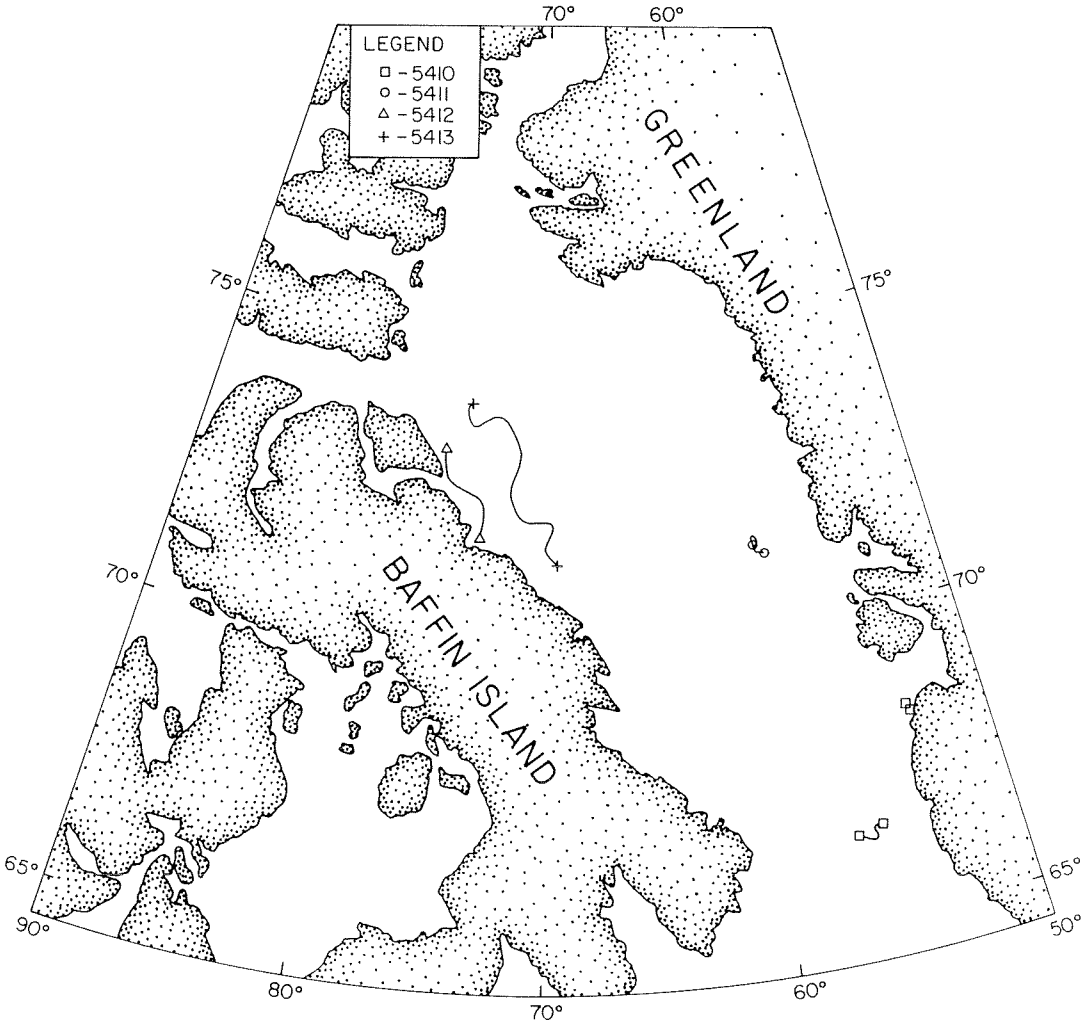
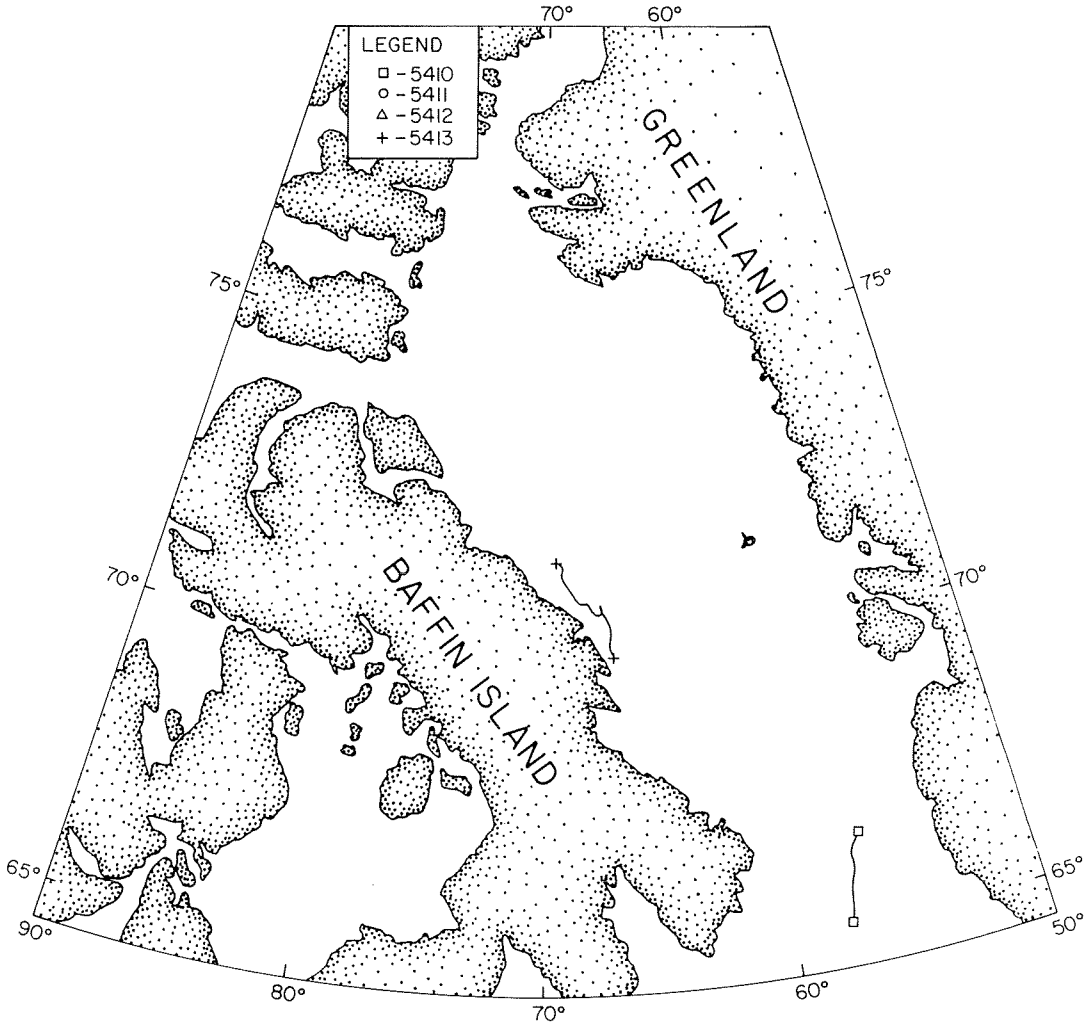
65°
65°
90°
80°
70°
60°
50°

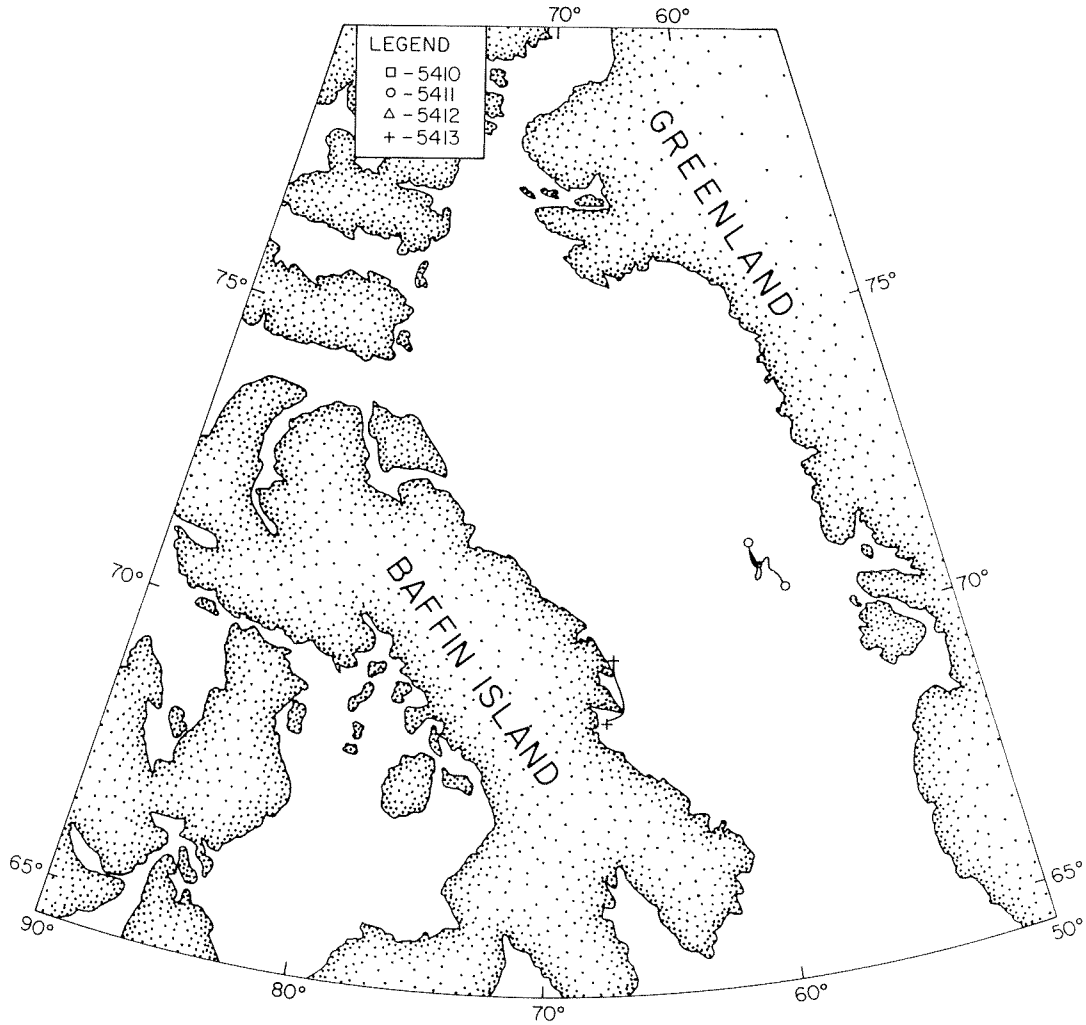
21 SEPT. — 11 OCT. 1983



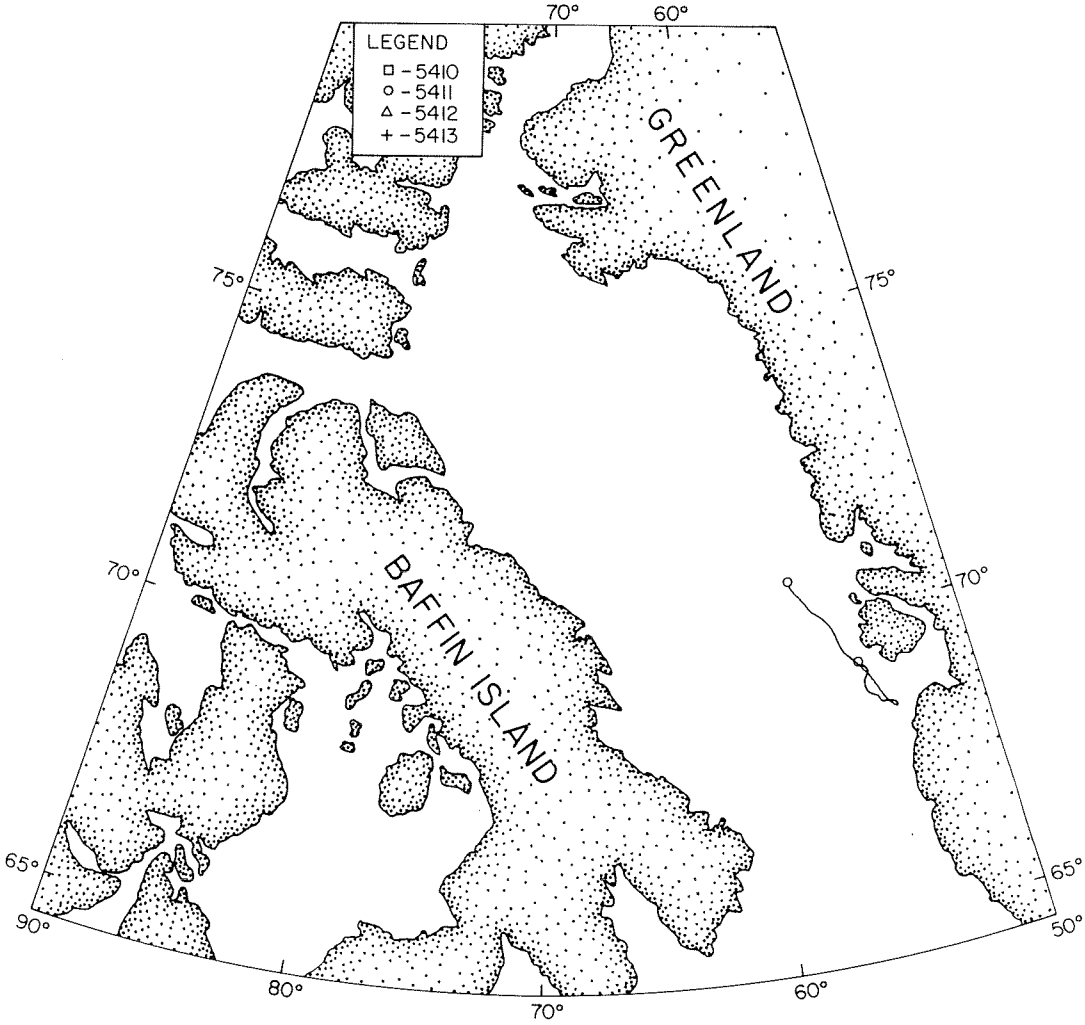
11 OCT. — 31 OCT. 1983



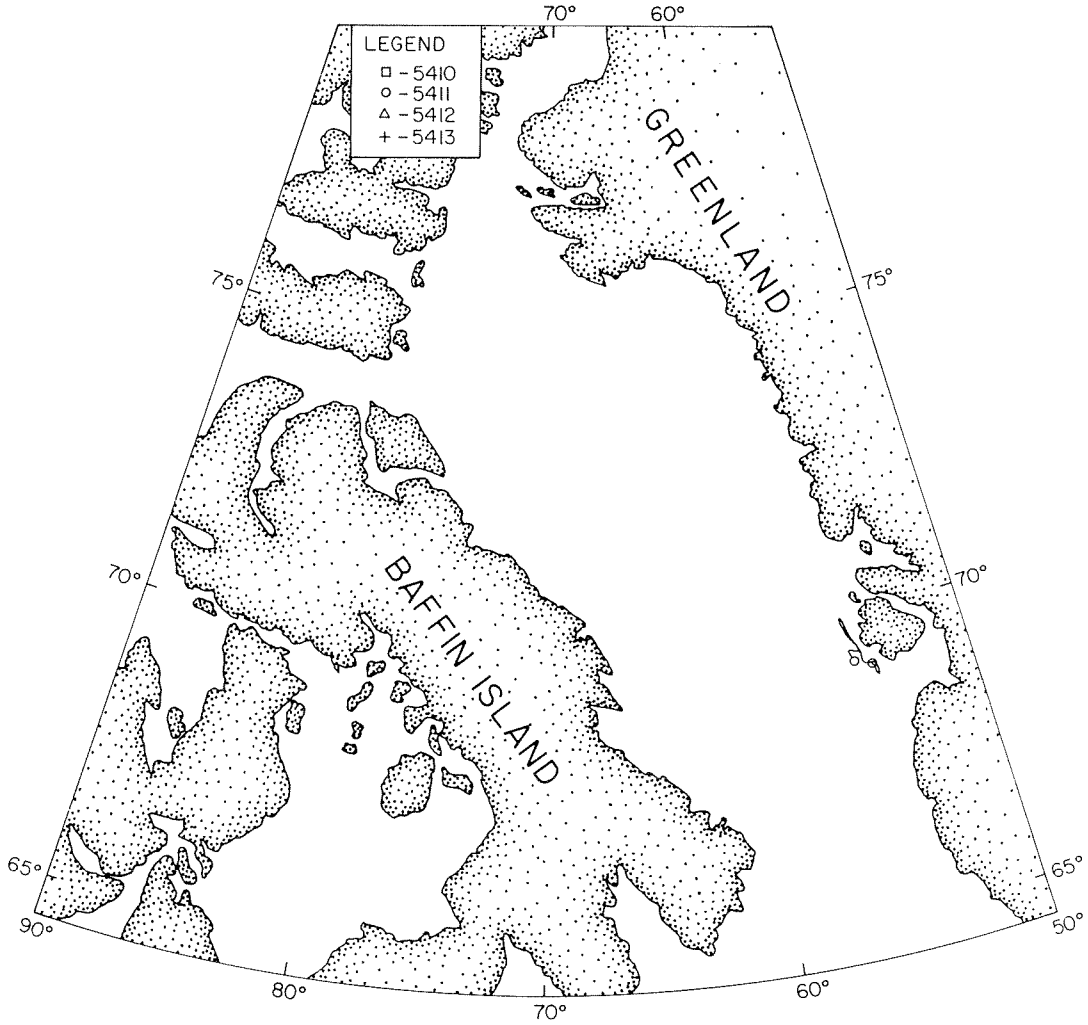
31 OCT.– 20 NOV. 1983



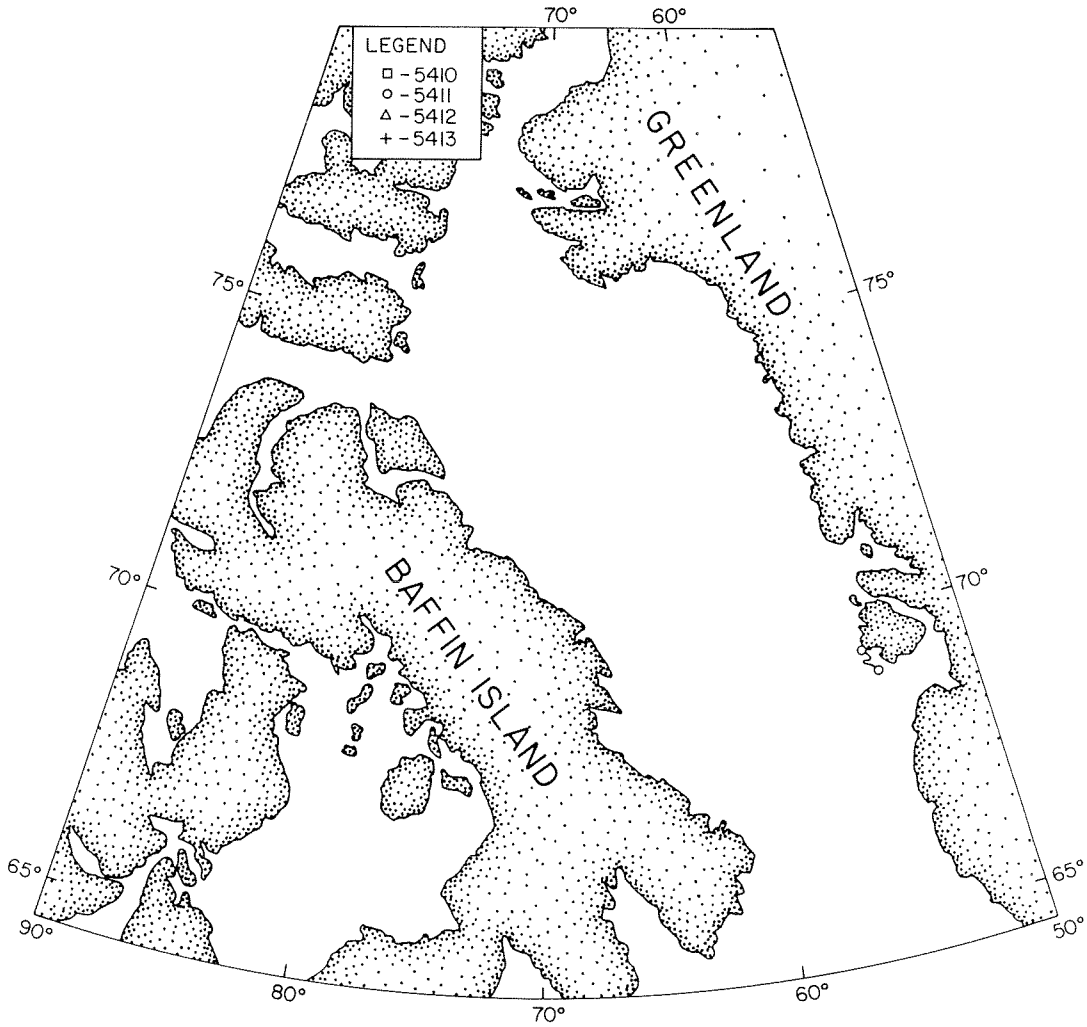
20 NOV. — 10 DEC. 1983

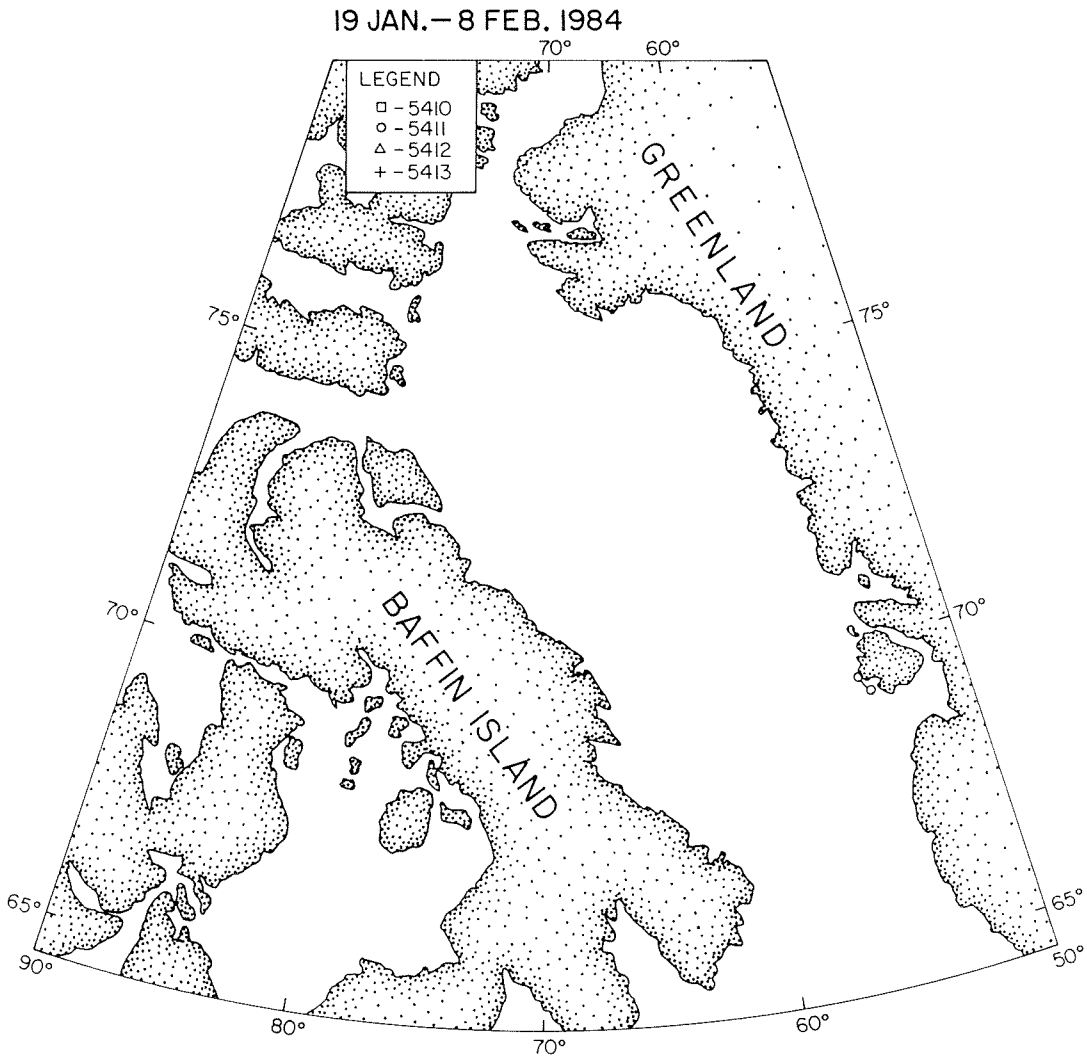


10 DEC.— 30 DEC. 1983



30 DEC. 1983–19 JAN. 1984




19 JAN.–8 FEB. 1984
LEGEND
□ - 5410
○ - 5411
△ - 5412
+ - 5413
GREENLAND
BAFFIN ISLAND
70°
60°
75°
75°
70°
70°
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65°
90°
80°
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