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Currents, Temperature and Salinity Data from Northern Baffin Bay, October 1985 - August 1986

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Canadian Data Report of Hydrography and Ocean Sciences No. 95

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Canadian Data Report Of Hydrography and Ocean Sciences

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Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications is published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 39: Index to Publications 1982. The current series, which begins with report number 1, was initiated in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Les rapports statistiques servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens. En général, les rapports contiennent des données brutes ou analysées, mais ne fournissent pas d'interprétation des données. Ces compilations sont préparées le plus souvent à l'appui de travaux liés aux programmes et intérêts du service des Sciences et levés océaniques (SLO) du ministère des Pêches et des Océans.

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Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés sont fournis contre rétribution par des agents commerciaux.

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.

Canadian Data Report of
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CURRENTS, TEMPERATURE AND SALINITY DATA FROM NORTHERN BAFFIN BAY, October 1985 - August 1986

by

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ABSTRACT

Ross, C.K. 1991. Currents, temperature and salinity data from northern Baffin Bay, October 1985 - August 1986. Can. Data Rep. Hydrogr. Ocean Sci. No. 95: vii + 161 pp.

This report presents a statistical and graphical description of the moored current meter data collected during the period October 1985 to August 1986 in northern 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.

RÉSUMÉ

Ross, C.K. 1991. Currents, temperature and salinity data from northern Baffin Bay, October 1985 - August 1986. Can. Data Rep. Hydrogr. Ocean Sci. No. 95: vii + 161 pp.

Le présent rapport expose, au moyen de statistiques et de graphiques, les données de courantomètre entre octobre 1985 et août 1986 dans la partie nord 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.

CURRENTS, TEMPERATURE AND SALINITY DATA FROM NORTHERN BAFFIN BAY, October 1985 - August 1986

INTRODUCTION

A program of year-long moored observations in Baffin Bay was started in the summer of 1983. The first year's moorings (Ross, 1990a) were deployed in northwestern Baffin Bay and the second year in southwestern Baffin Bay (Ross, 1990b). On recovery of these moorings in the fall of 1985 a new set of four current meter moorings were deployed in northern Baffin Bay.

Four current meter moorings (consecutive numbers 700, 701, 702 and 703) were deployed in October 1985 during cruise 85-029 of CSS Baffin. The moorings were recovered in August 1986 during cruise 86-021 of CSS Hudson. The locations of the moorings are given in figure 1. A listing of mooring particulars is given in Table I and Table II.

INSTRUMENTATION

The four moorings included 11 Aanderaa RCM5's. Each instrument was equipped with current speed sensors, current direction, temperature, pressure and conductivity 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; conductivity ± 0.07 mmho/cm; 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°

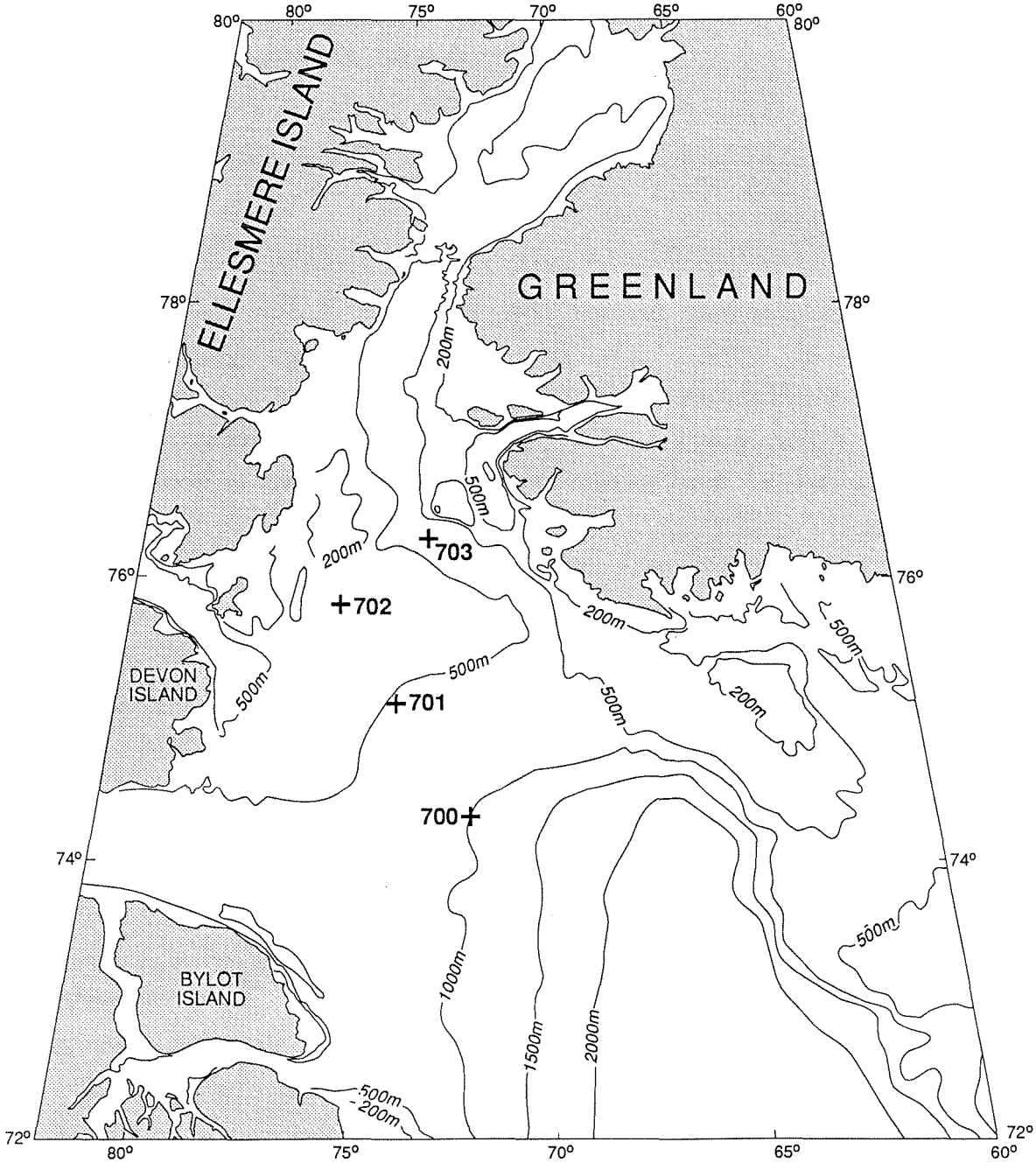


FIGURE I: Location of moorings

TABLE I

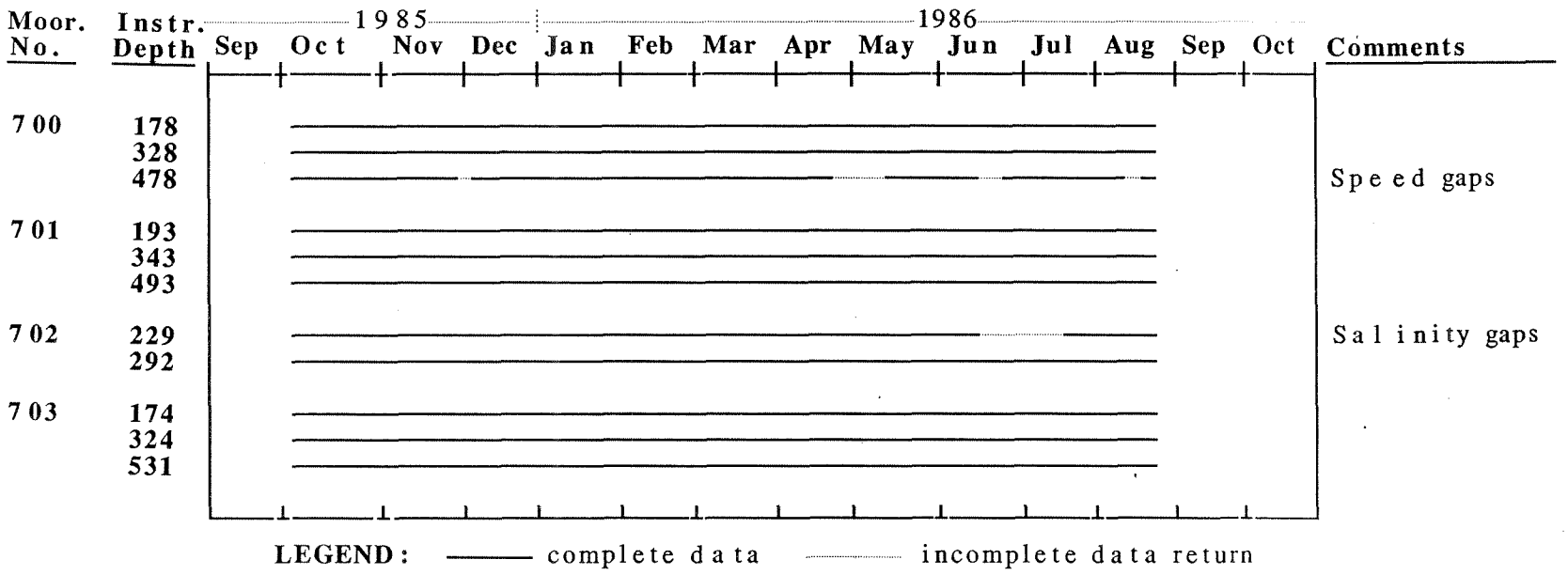
SUMMARY OF MOORINGS

Mooring Number	Latitude (N)	Longitude (W)	Water Depth (m)	Instrument Depth (m)	Type	Sensors	Data Return (dd/mm/yy) Start	End
700	74 34.1	72 13.5	1013	178	Aa	VTSP	04/10/85	20/08/86
				328	Aa	VTSP	04/10/85	20/08/86
				478	Aa	VTSP	04/10/85	20/08/86
701	75 20.4	74 21.8	533	193	Aa	VTSP	04/10/85	20/08/86
				343	Aa	VTSP	04/10/85	20/08/86
				493	Aa	VTSP	04/10/85	20/08/86
702	76 00.7	76 04.7	314	229	Aa	VTSP	30/10/85	21/08/86
				292	Aa	VTSP	03/10/85	21/08/86
703	76 29.2	73 37.2	546	174	Aa	VTSP	03/10/85	22/08/86
				324	Aa	VTSP	03/10/85	22/08/86
				531	Aa	VTSP	03/10/85	22/08/86

Notes:

- Aa Aanderaa RCM5 current meter
- V velocity measurement
- T temperature measurement
- P pressure measurement
- S salinity measurement

TABLE II: Instrument performance and data return



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 and conductivity sensors. The temperature sensors were always found to agree within the expected accuracy. The conductivity sensors did show variations and the resulting salinity records were adjusted with a linear trend between the beginning and final comparisons.

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 and conductivity use a linear relationship.

The recovered data required little editing. A few obviously erroneous data values were manually removed from the records.

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, salinity, temperature and speed as well as the current velocity in components to the northeast and southeast. These coordinates were chosen for conformity with the previous data reports and many of the present data records show a mean current aligned with this coordinate system. A listing of the mean and standard deviation of temperature, salinity, 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, salinity 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, P_1 M_2, S_2, N_2, K_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.

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 CSS Baffin, CSS Hudson, the technical support of the Ocean Circulation Division and Coastal Oceanography Division of the Physical and Chemical Sciences Branch at the Bedford Institute of Oceanography.

REFERENCES

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Ross, C.K. 1990b. Currents and temperature data from southwestern Baffin Bay, October 1984 - October 1985. Can. Data Rep. Hydrogr. Ocean Sci. No. 79: viii + 180 pp.

Mooring 700
Depth 178 m

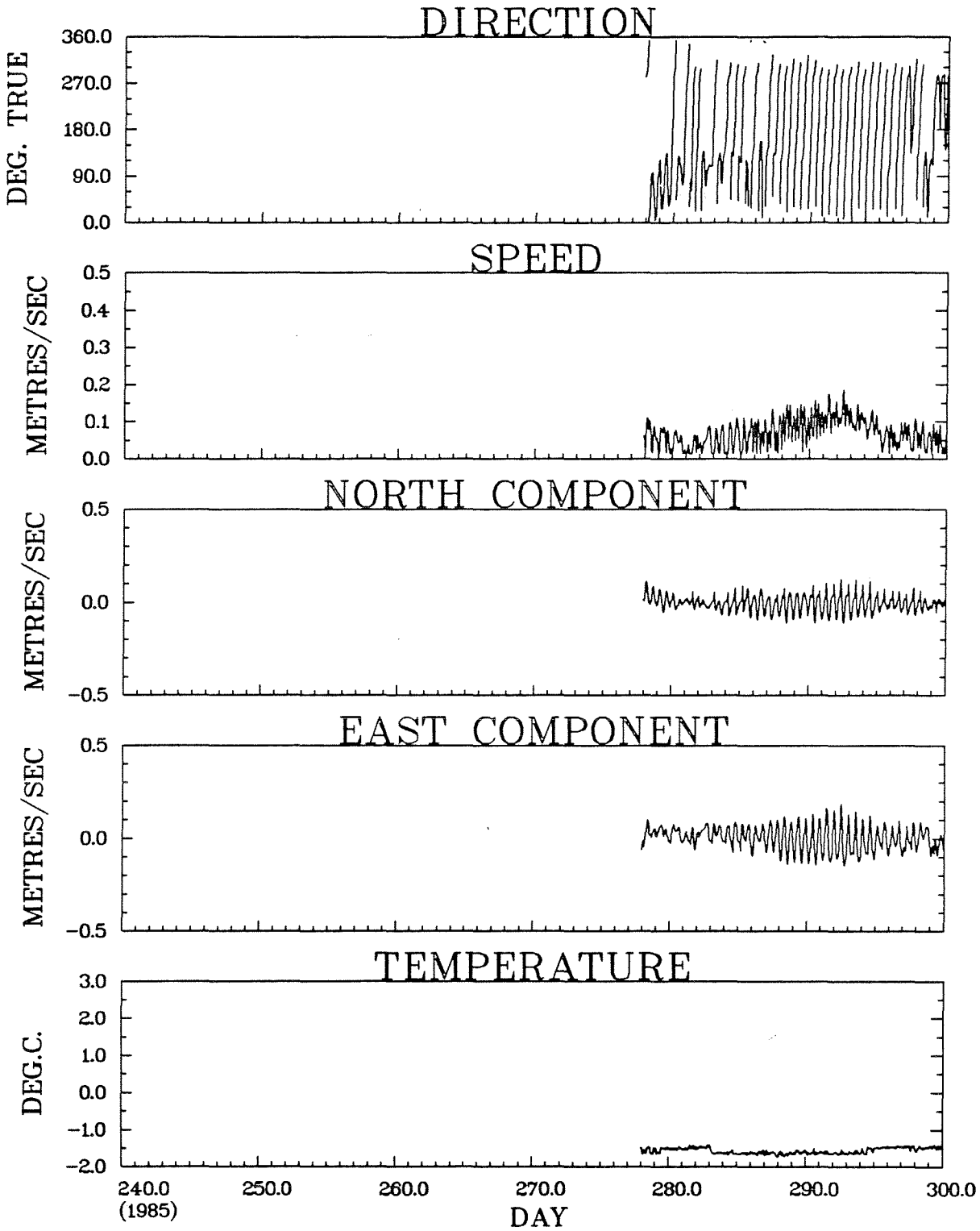
Latitude	74° 34.1N	Deployment	2156Z 4 Oct., 1985
Longitude	72° 13.5W	Recovery	0857Z 20 Aug., 1986
Water Depth	1013 m	Duration	318 d

RECORD LENGTH STATISTICS

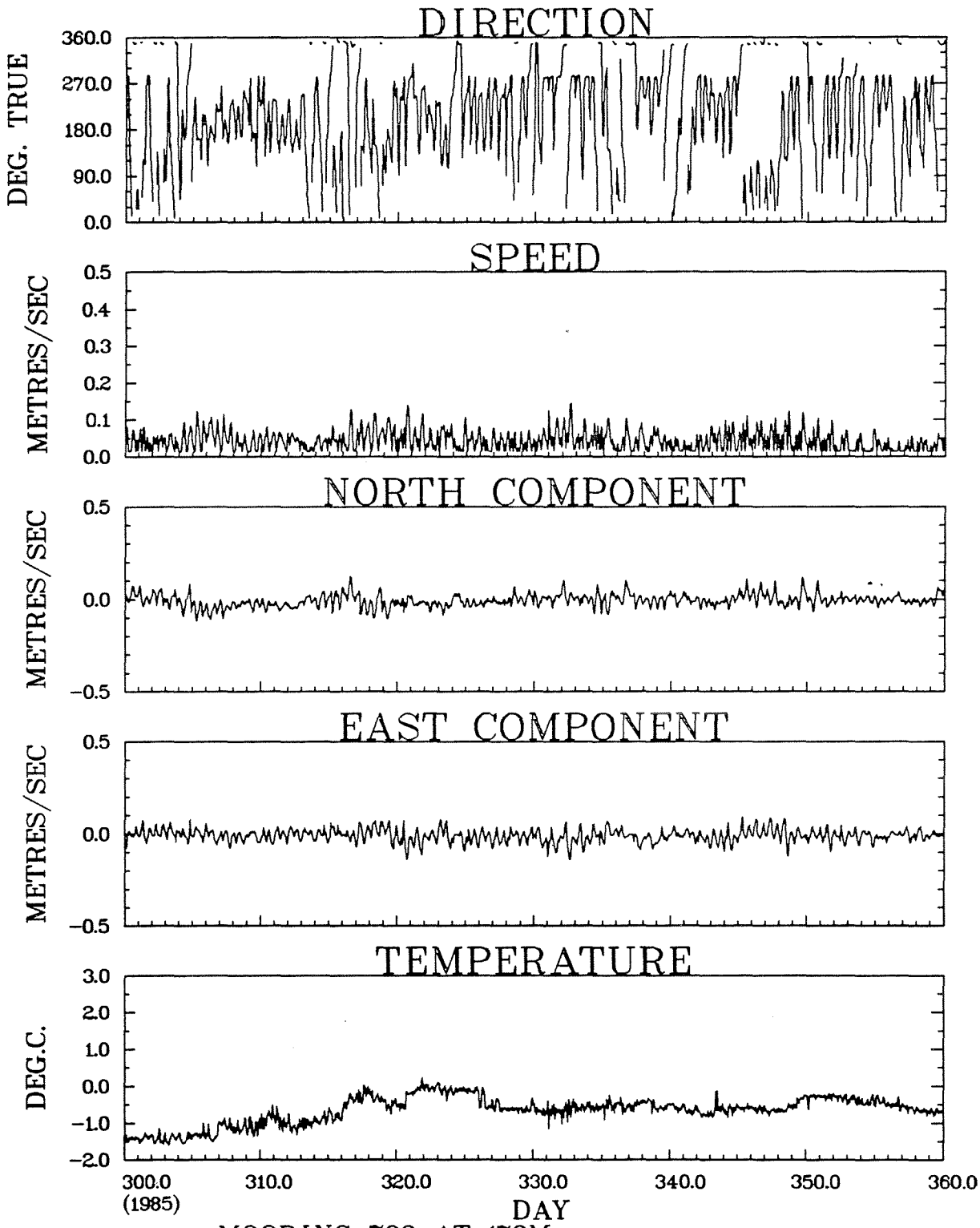
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7666	174	188	182	1.1
Temperature (T)	°C	7665	-1.73	0.43	-0.34	0.45
Salinity (S)	PSS78	7665	33.71	34.10	33.92	0.06
Speed (R)	$m.s^{-1}$	7666	0.015	0.187	0.053	0.031
Northeast Component (V)	$m.s^{-1}$	7666	-.122	0.137	0.000	0.037
Southeast Component (U)	$m.s^{-1}$	7666	-.151	0.168	-.008	0.048

MONTHLY MEANS

	Samples	T	S	R	V	U
October	649	-1.53±0.10	33.78±0.02	0.065±.037	0.000±.042	0.004±.061
November	720	-0.64±0.39	33.88±0.05	0.047±.027	-.020±.031	0.002±.040
December	744	-0.54±0.16	33.89±0.03	0.040±.024	-.001±.029	-.010±.035
January	744	-0.28±0.10	33.92±0.03	0.043±.028	-.006±.027	-.002±.044
February	672	-0.13±0.12	33.95±0.03	0.053±.030	-.009±.031	-.008±.052
March	744	-0.13±0.08	33.95±0.02	0.058±.035	-.006±.038	-.019±.052
April	720	-0.15±0.08	33.94±0.03	0.055±.029	-.002±.037	-.003±.050
May	744	-0.19±0.13	33.94±0.04	0.051±.029	-.021±.032	-.009±.044
June	720	-0.13±0.11	33.95±0.03	0.054±.030	0.023±.031	-.019±.044
July	744	-0.13±0.16	33.96±0.04	0.064±.031	0.027±.036	-.008±.054
August	465	0.19±0.08	34.01±0.03	0.054±.027	0.030±.028	-.012±.043



MOORING 700 AT 178M
NORTHERN BAFFIN BAY 1985/6



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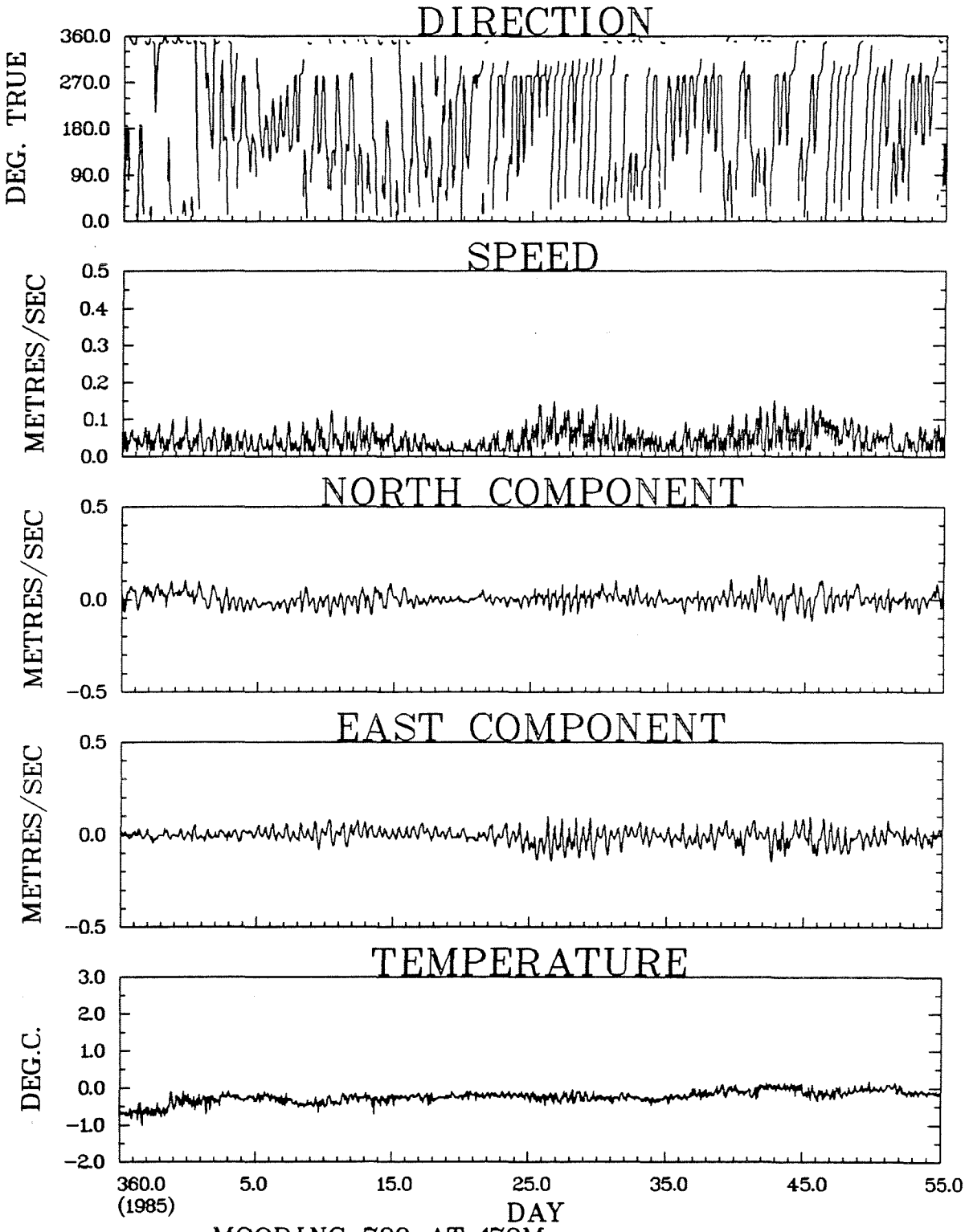

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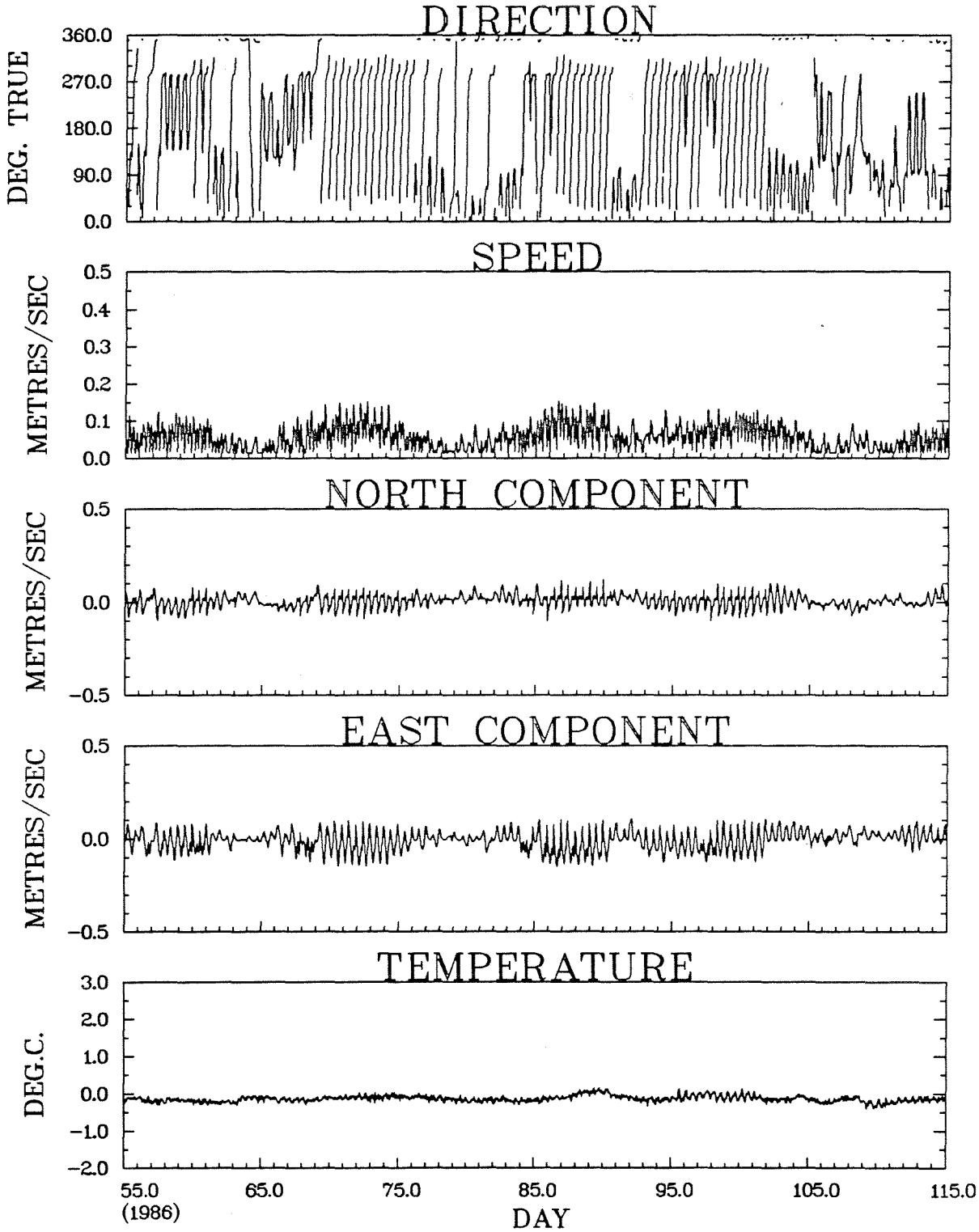

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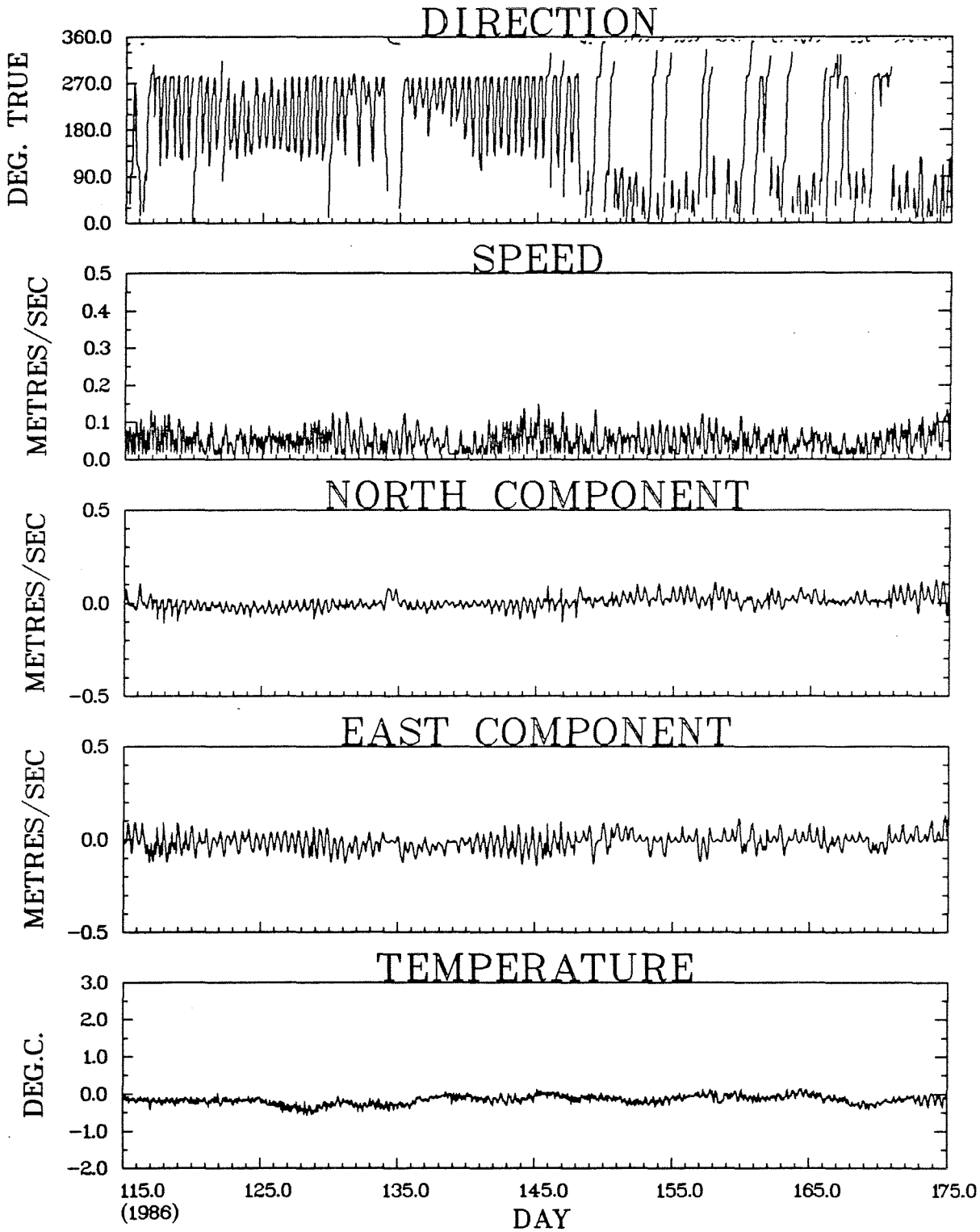

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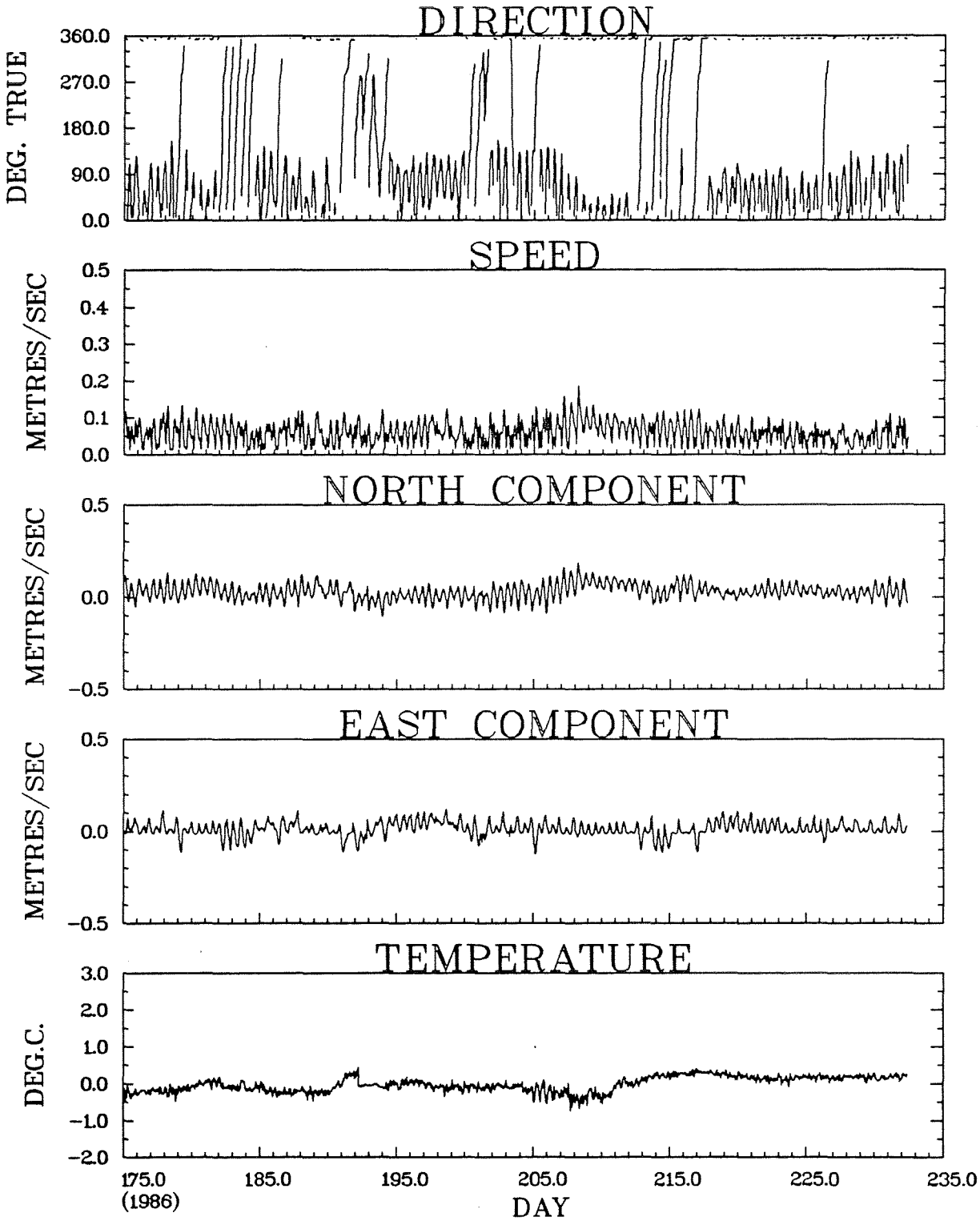

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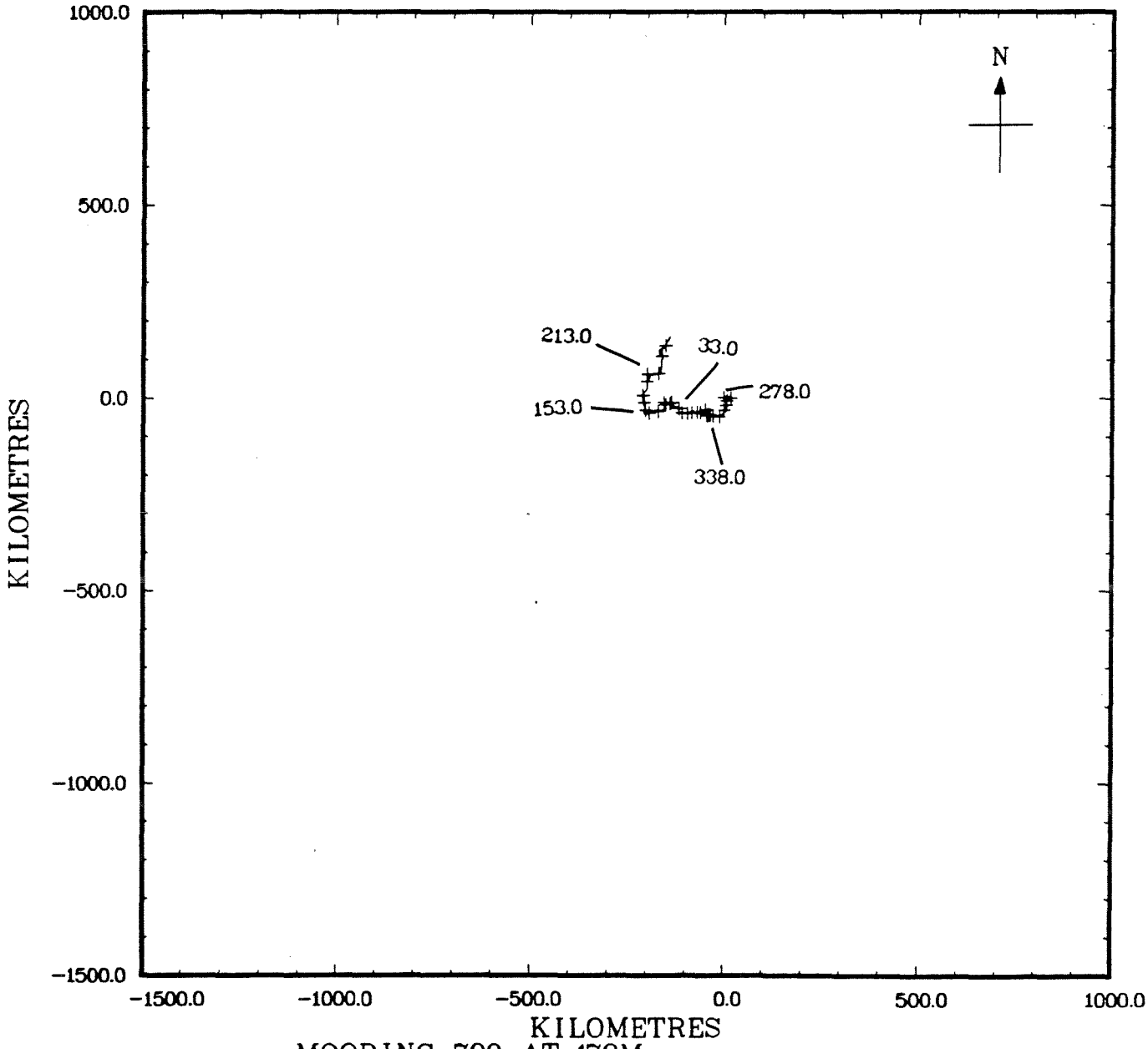

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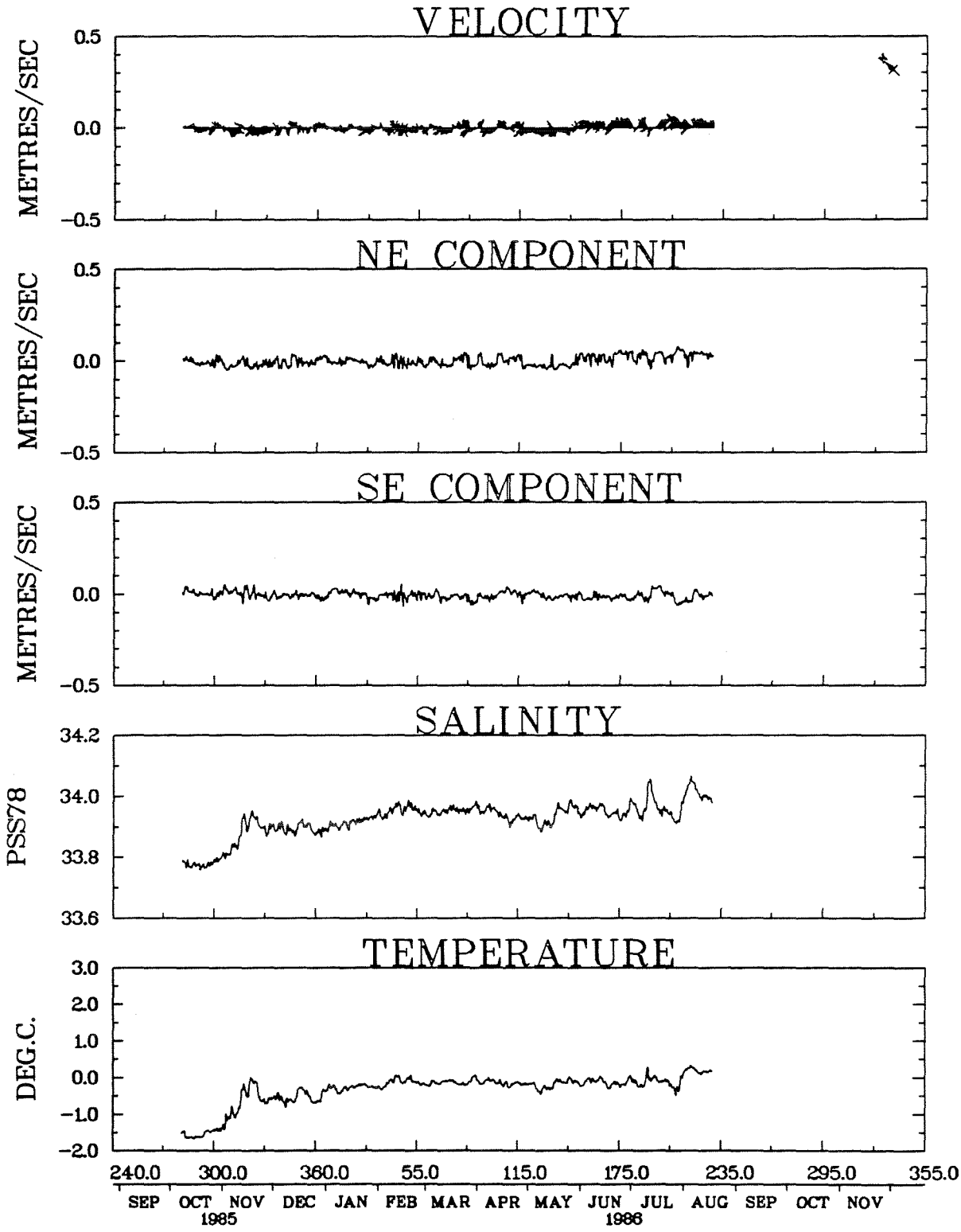

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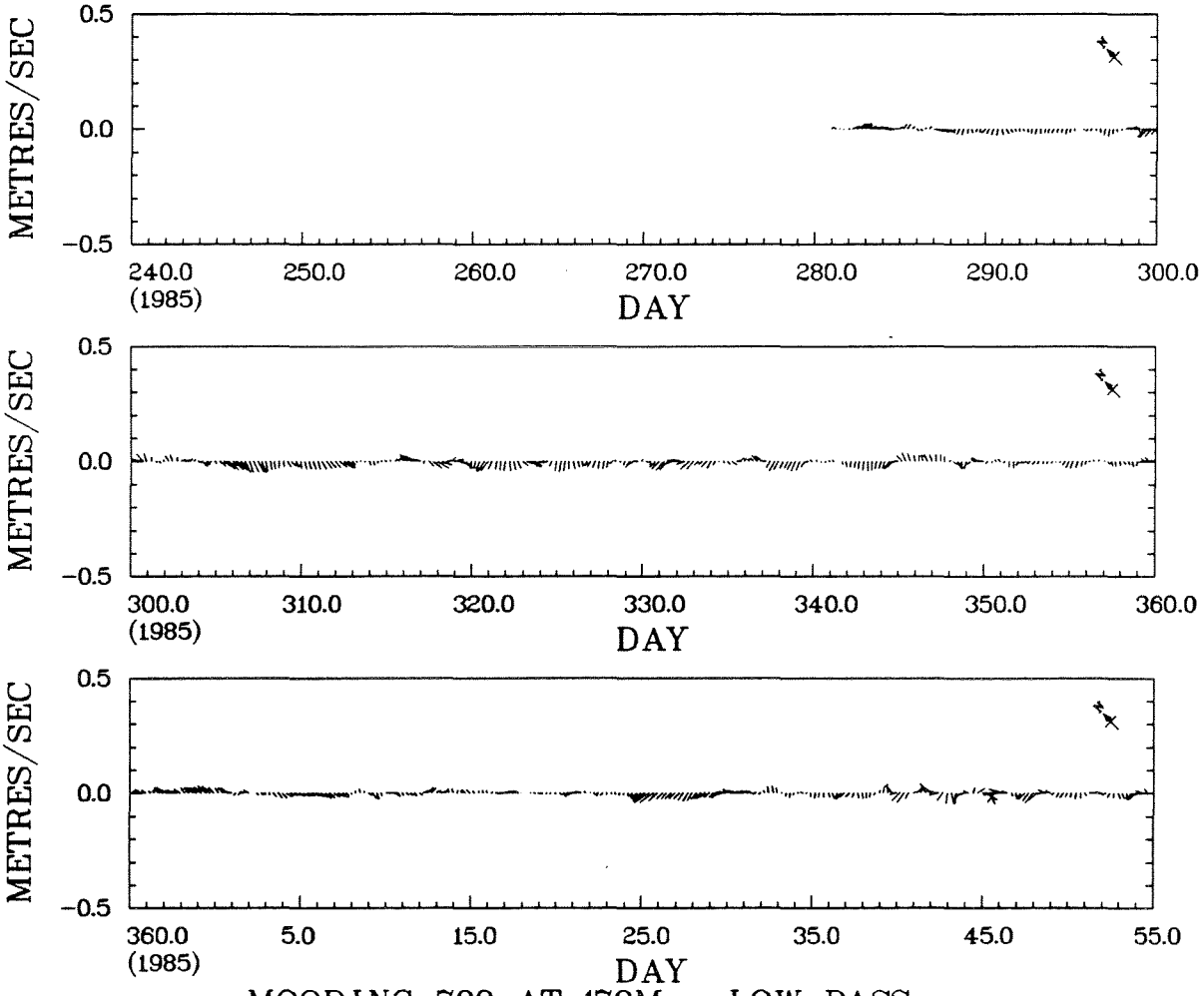

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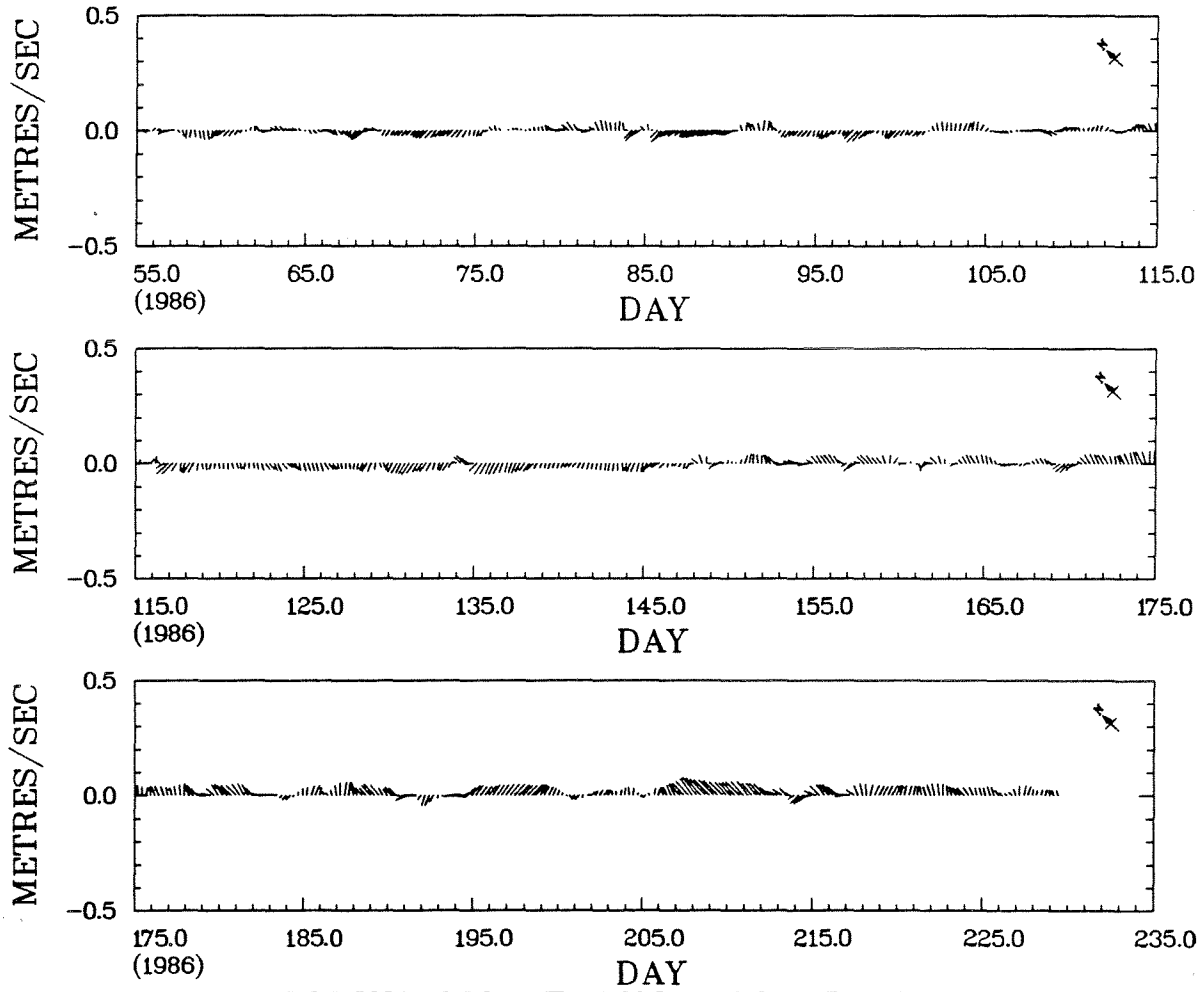


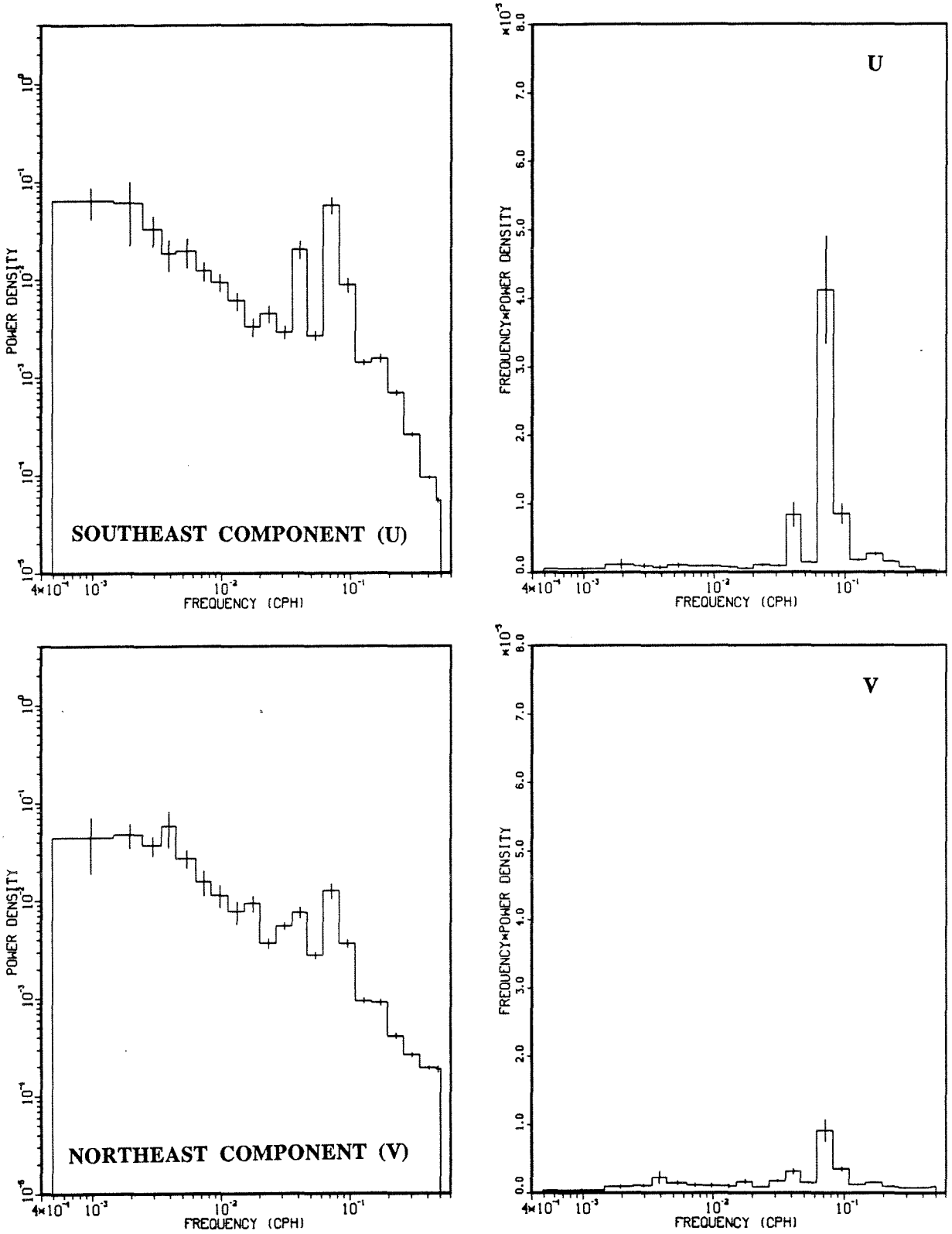
MOORING 700 AT 178M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 700
Depth 178 m

Tidal Analysis

319.4 d centred at day 072,1986

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	.015	.000	113	97	C	.006	280	.014	97
O1	.008	.002	130	40	C	.006	239	.006	26
P1	.006	.000	322	274	C	.005	278	.004	89
M2	.044	.003	124	228	C	.025	54	.037	226
S2	.015	.001	129	271	A	.010	88	.012	273
N2	.010	.001	132	195	C	.007	22	.008	189
K2	.006	.001	114	277	C	.003	119	.005	273
MF	.002	.000	114	232	C	.001	82	.002	225
M4	.002	.000	325	333	A	.002	332	.001	154
MS4	.002	.000	108	228	A	.001	41	.002	229



MOORING 700 AT 178M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 700
Depth 328 m

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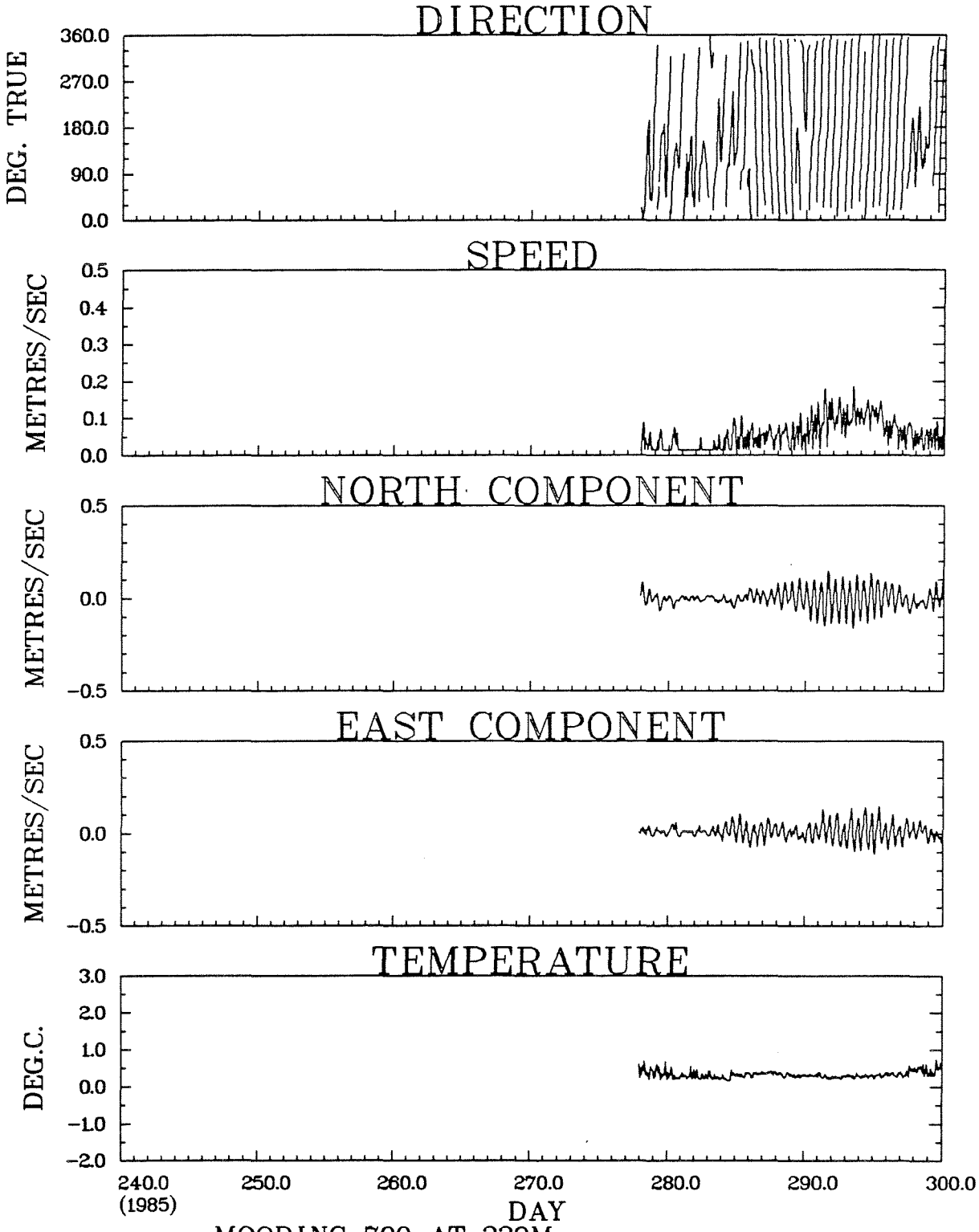
Longitude	72° 13.5W	Recovery	0857Z 20 Aug., 1986
Water Depth	1013 m	Duration	318 d

RECORD LENGTH STATISTICS

Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7666	331	333	332	0.2
Temperature (T)	°C	7666	0.18	1.66	1.27	0.31
Salinity (S)	PSS78	7622	34.09	34.49	34.31	0.08
Speed (R)	$m.s^{-1}$	7666	0.015	0.192	0.052	0.031
Northeast Component (V)	$m.s^{-1}$	7666	-.130	0.130	0.001	0.028
Southeast Component (U)	$m.s^{-1}$	7666	-.158	0.191	-.003	0.054

MONTHLY MEANS

	Samples	T	S	R	V	U
October	649	0.34±0.10	34.17±0.03	0.056±.037	0.003±.041	0.006±.052
November	720	1.25±0.14	34.25±0.03	0.056±.034	-.014±.027	0.002±.059
December	744	1.35±0.07	34.26±0.03	0.046±.029	-.009±.020	-.000±.050
January	744	1.24±0.11	34.24±0.03	0.050±.027	-.002±.030	-.008±.048
February	672	1.33±0.07	34.28±0.02	0.061±.034	-.009±.031	0.005±.062
March	744	1.51±0.07	34.36±0.02	0.052±.030	0.004±.022	-.005±.055
April	720	1.33±0.12	34.35±0.02	0.051±.030	0.008±.022	-.006±.054
May	744	1.36±0.06	34.36±0.02	0.057±.030	0.002±.028	-.006±.058
June	720	1.36±0.07	34.38±0.02	0.051±.030	0.014±.023	-.011±.051
July	744	1.40±0.12	34.40±0.02	0.048±.030	0.011±.023	-.002±.051
August	465	1.43±0.12	34.42±0.02	0.040±.026	0.005±.018	-.002±.044



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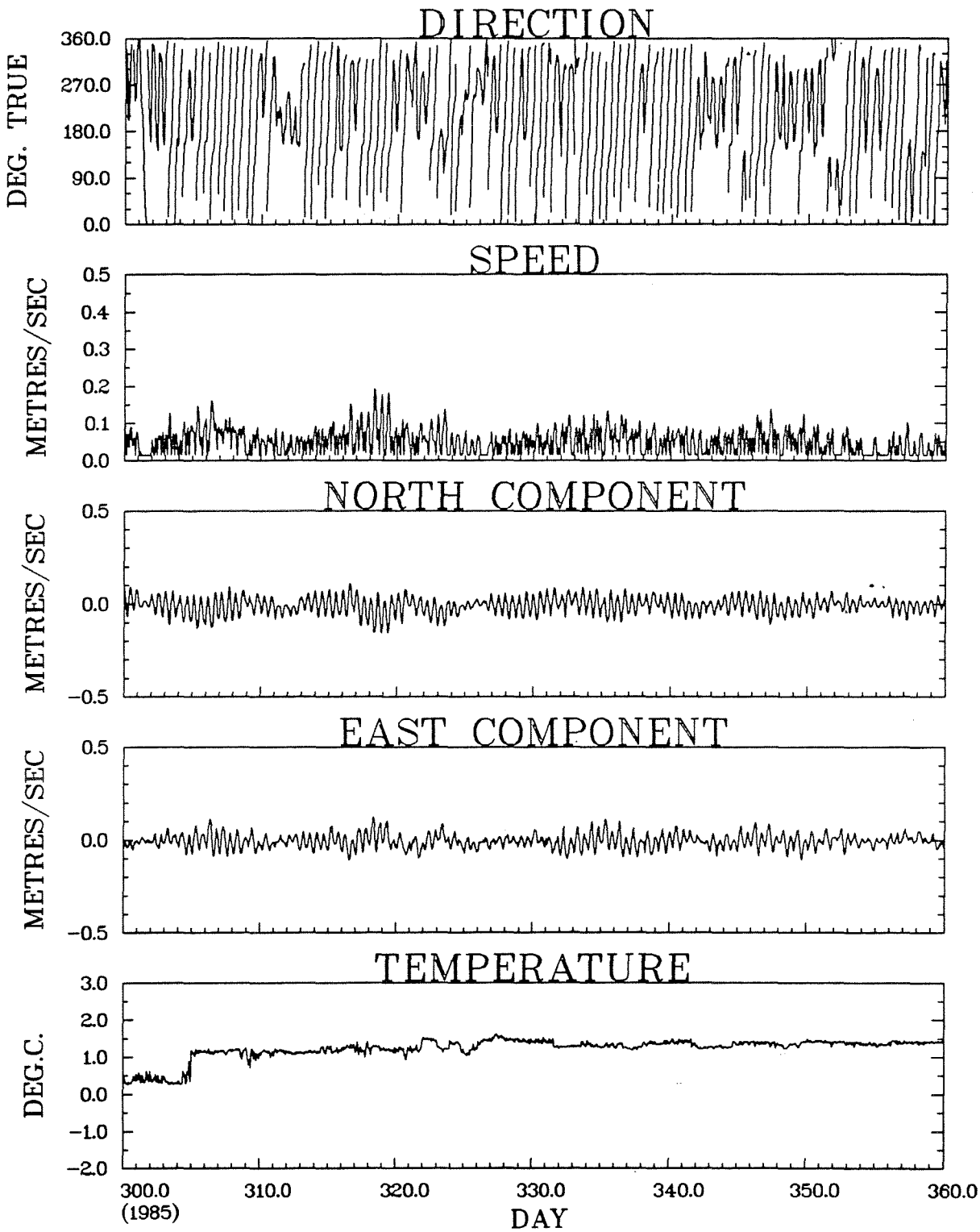

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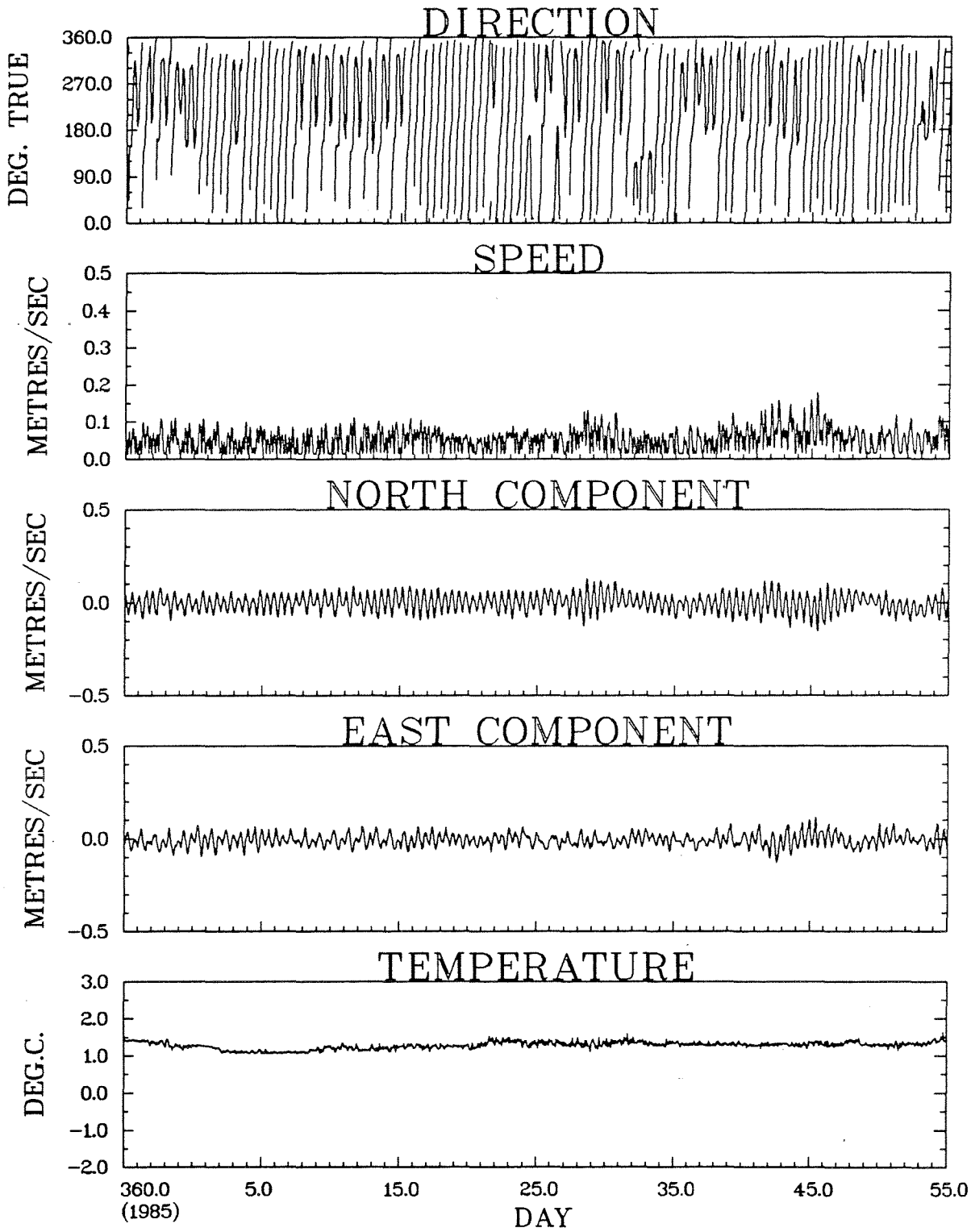

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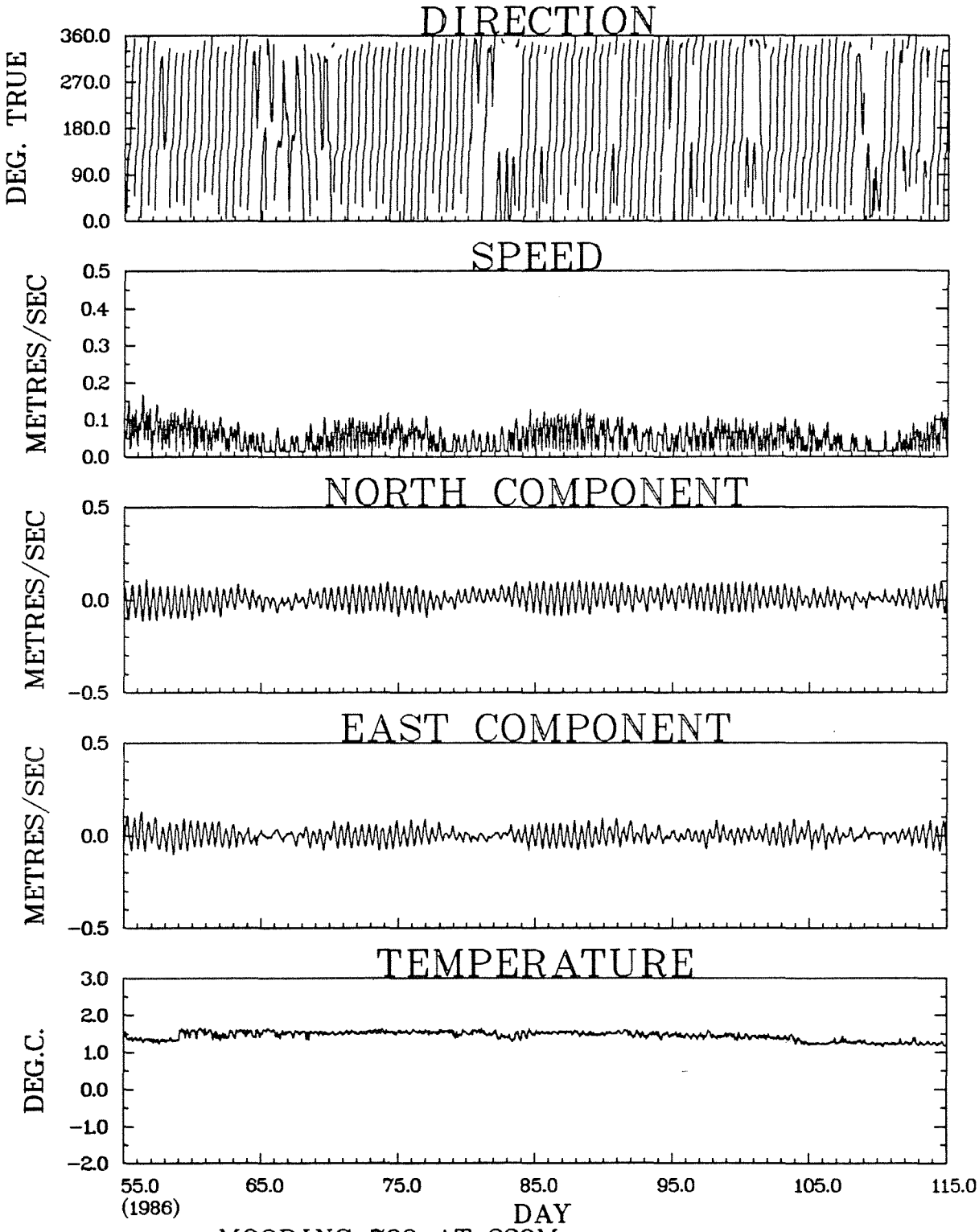

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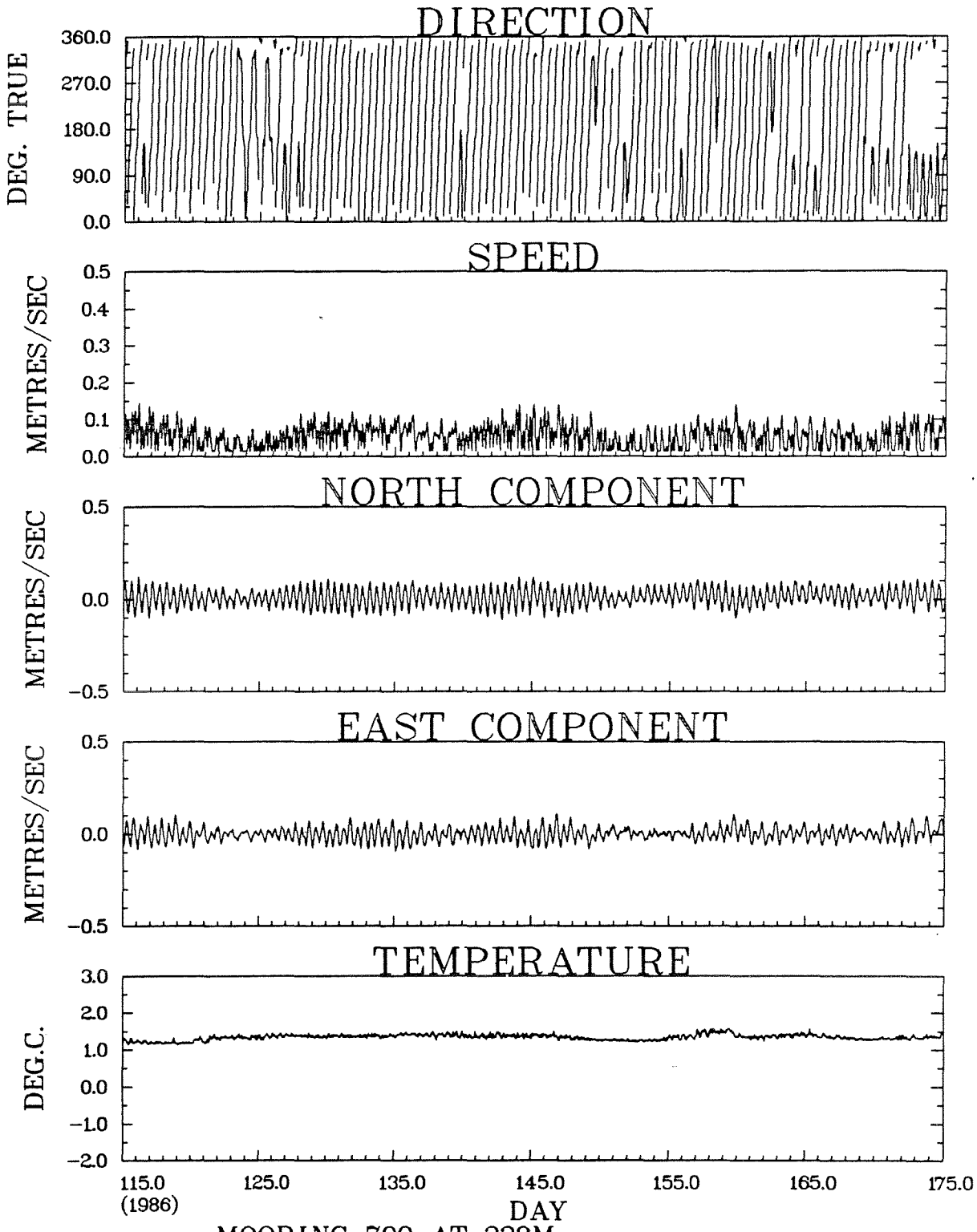

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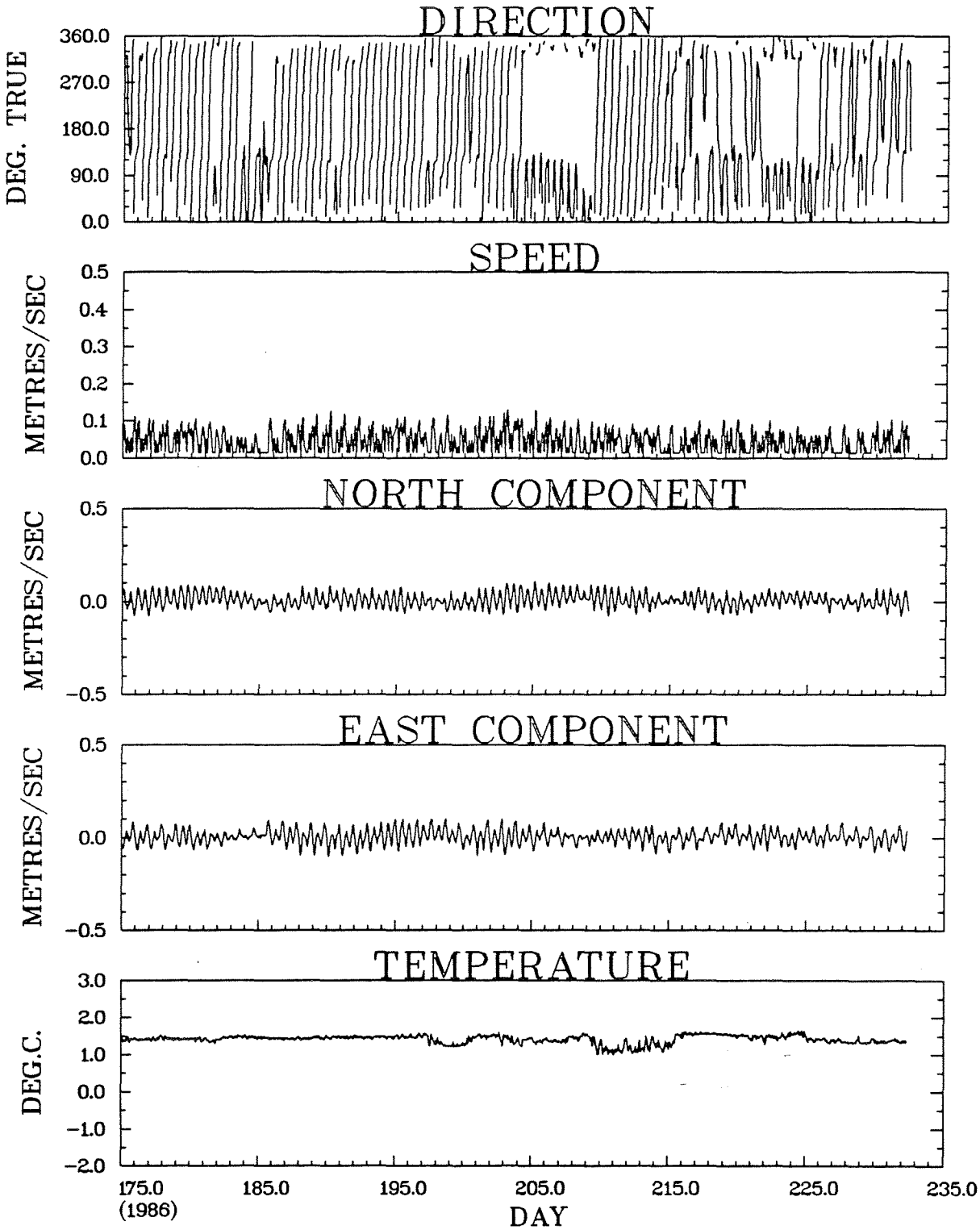

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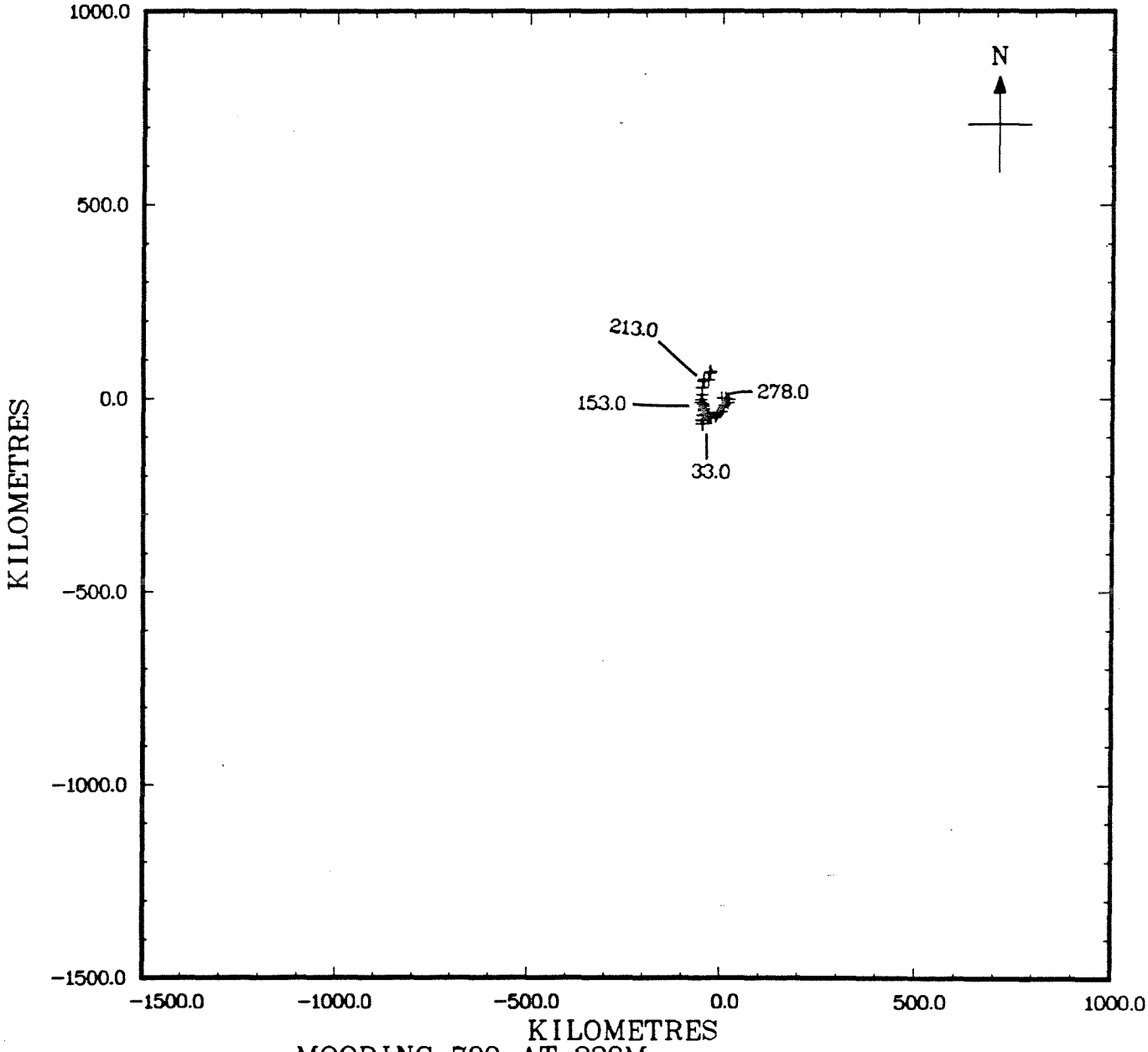
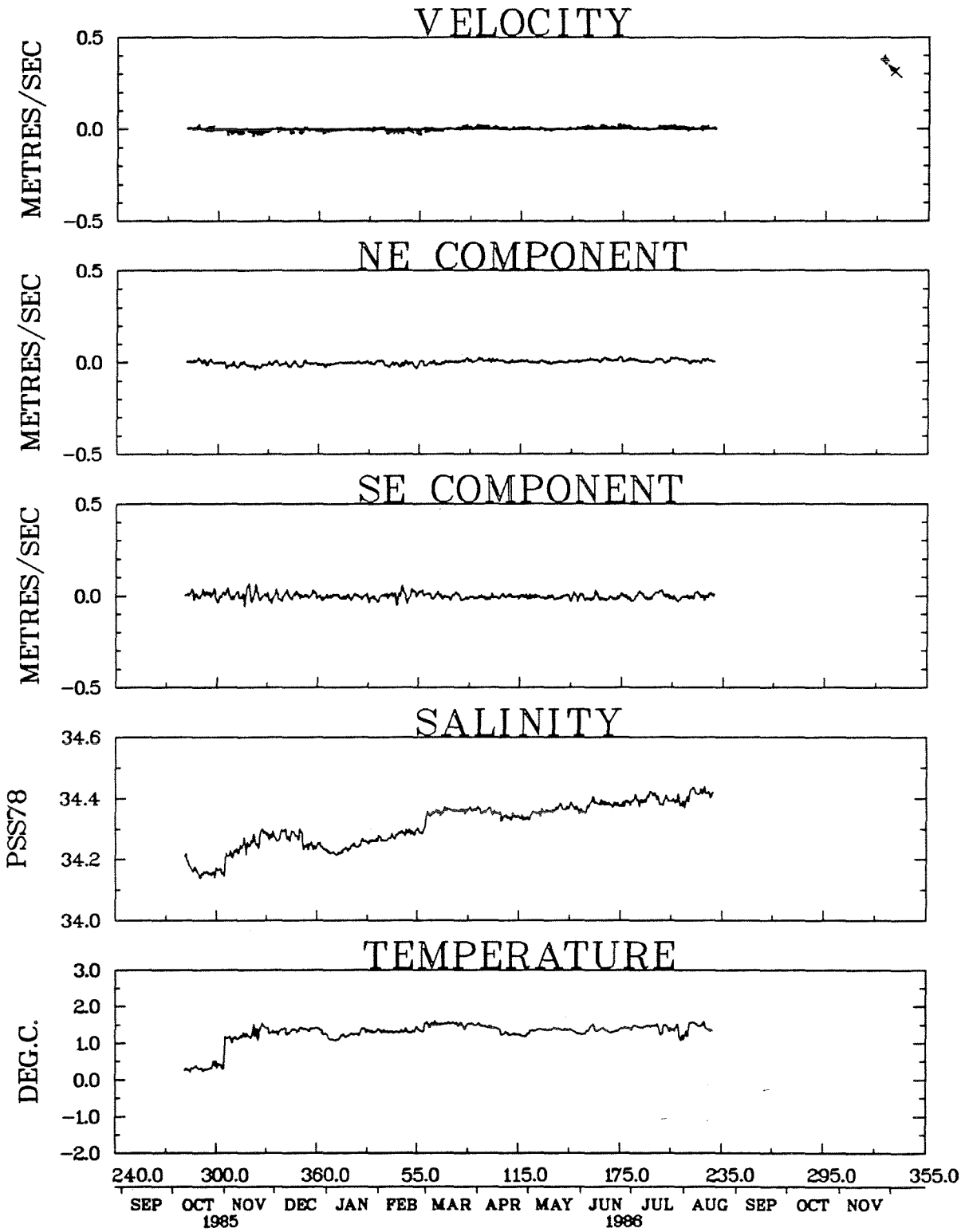
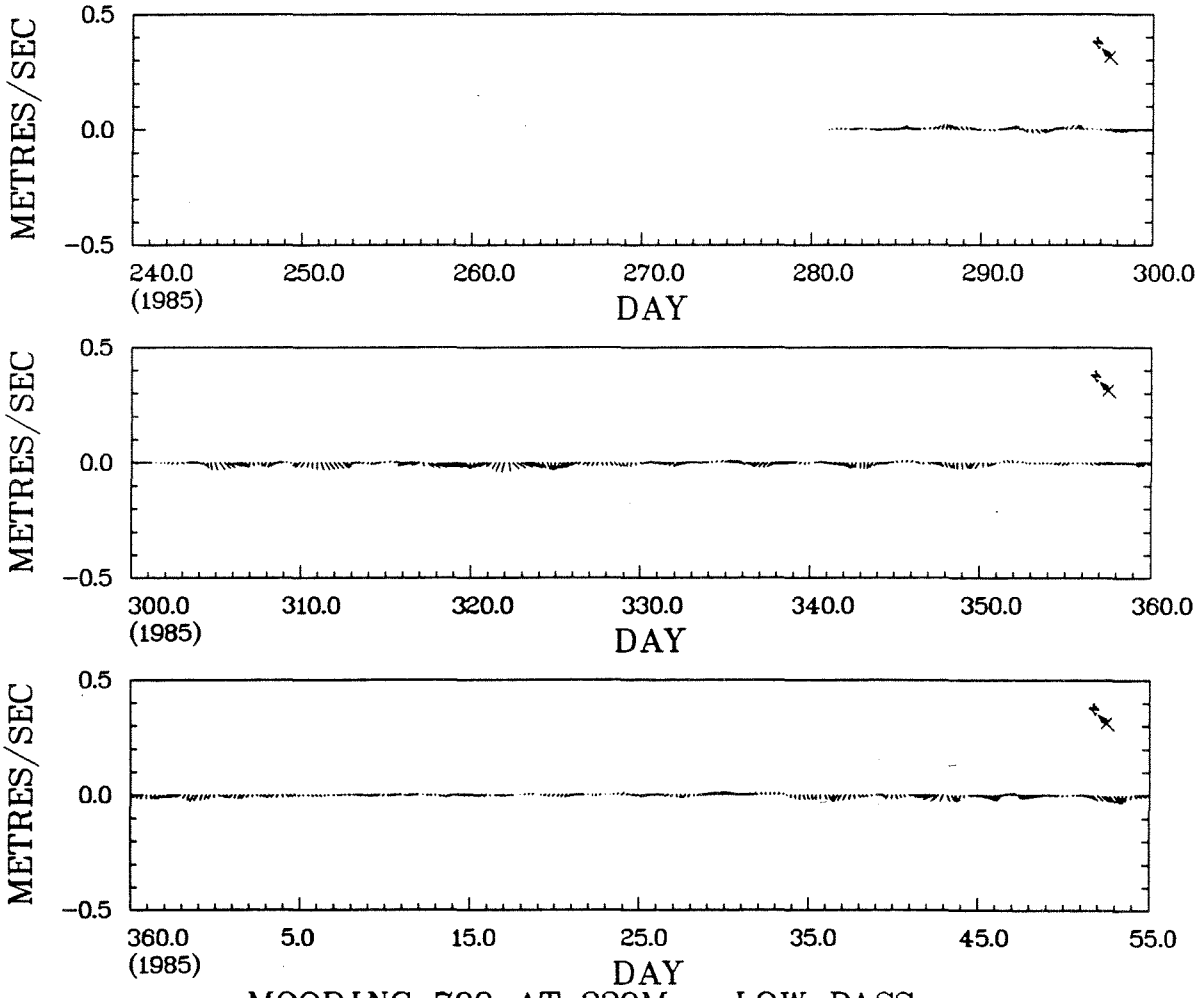


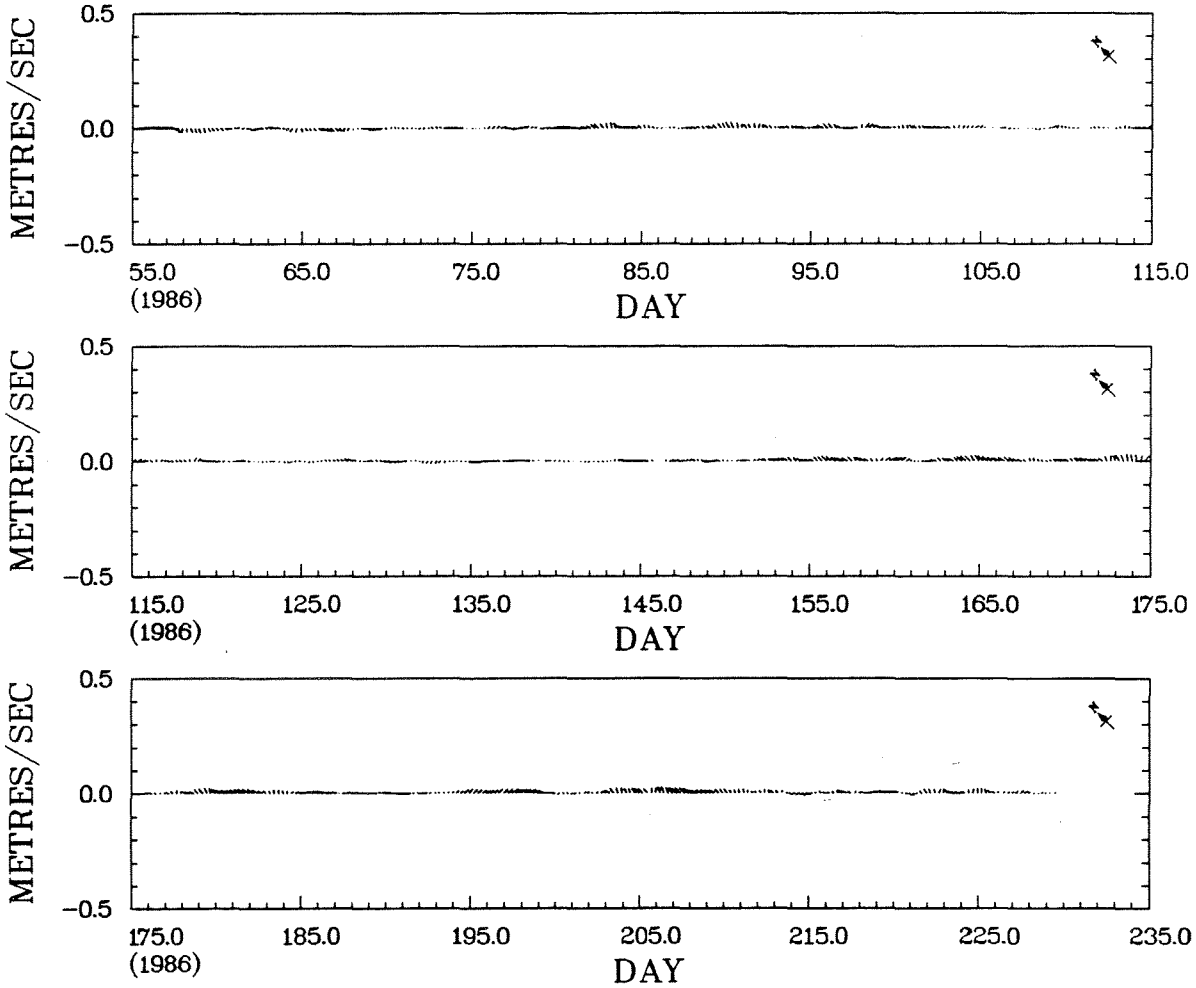
MOORING 700 AT 328M
NORTHERN BAFFIN BAY 1985/6



MOORING 700 AT 328M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 700 AT 328M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



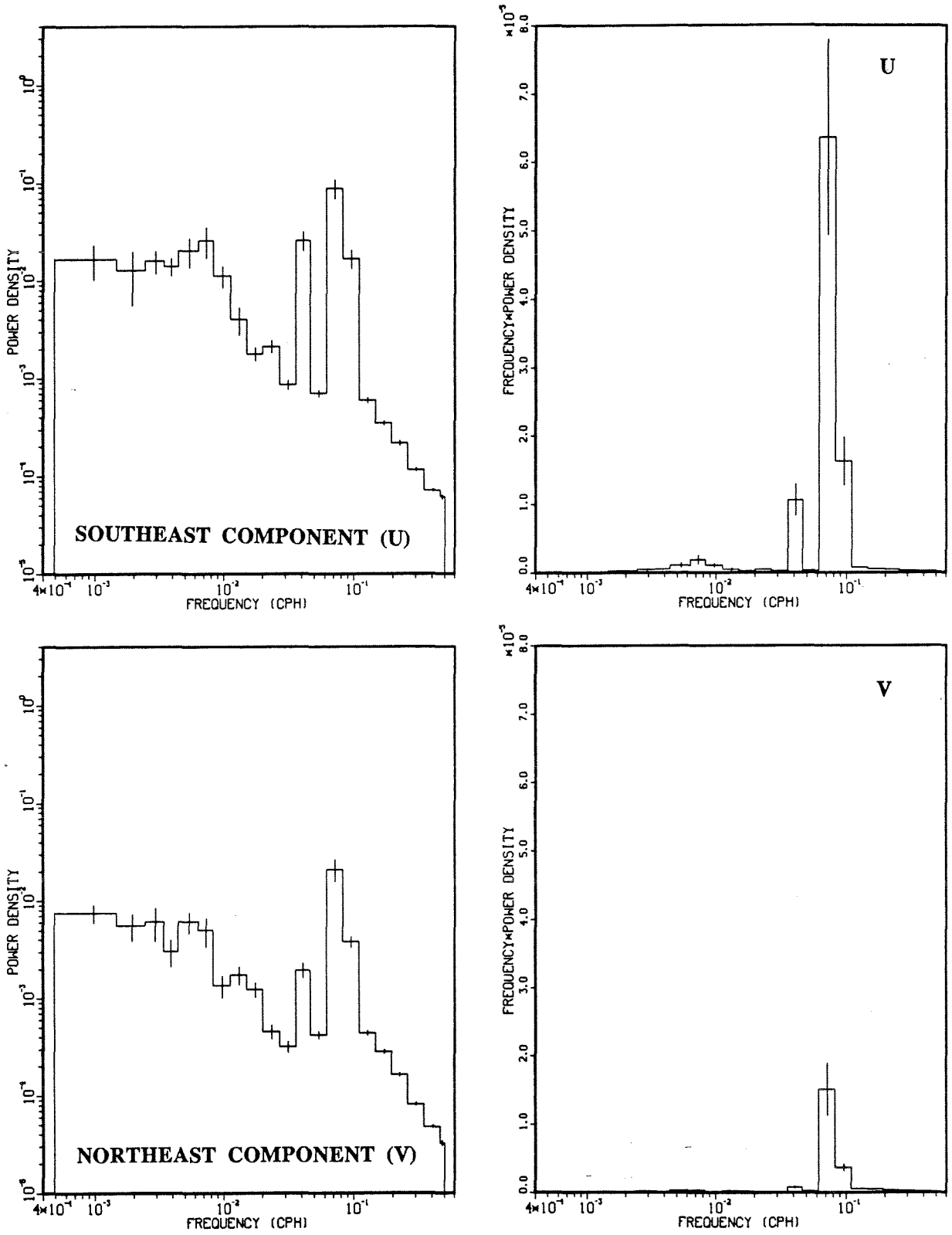
MOORING 700 AT 328M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 700
Depth 328 m

Tidal Analysis

319.4 d centred at day 072,1986

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	.018	.001	123	91	C	.010	275	.015	89
O1	.010	.001	121	40	C	.005	233	.008	35
P1	.006	.000	118	87	C	.003	275	.006	85
M2	.061	.014	331	24	C	.054	31	.032	182
S2	.025	.004	131	268	C	.017	98	.019	260
N2	.008	.002	120	211	A	.004	3	.007	220
K2	.008	.002	131	268	C	.005	101	.006	259
MF	.003	.002	352	12	C	.003	17	.002	115
M4	.000	.000	343	90	A	.000	81	.000	331
MS4	.001	.000	346	175	C	.001	176	.000	329



MOORING 700 AT 328M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 700
Depth 478 m

Latitude	74° 34.1N	Deployment	2156Z 4 Oct., 1985
Longitude	72° 13.5W	Recovery	0857Z 20 Aug., 1986
Water Depth	1013 m	Duration	318 d

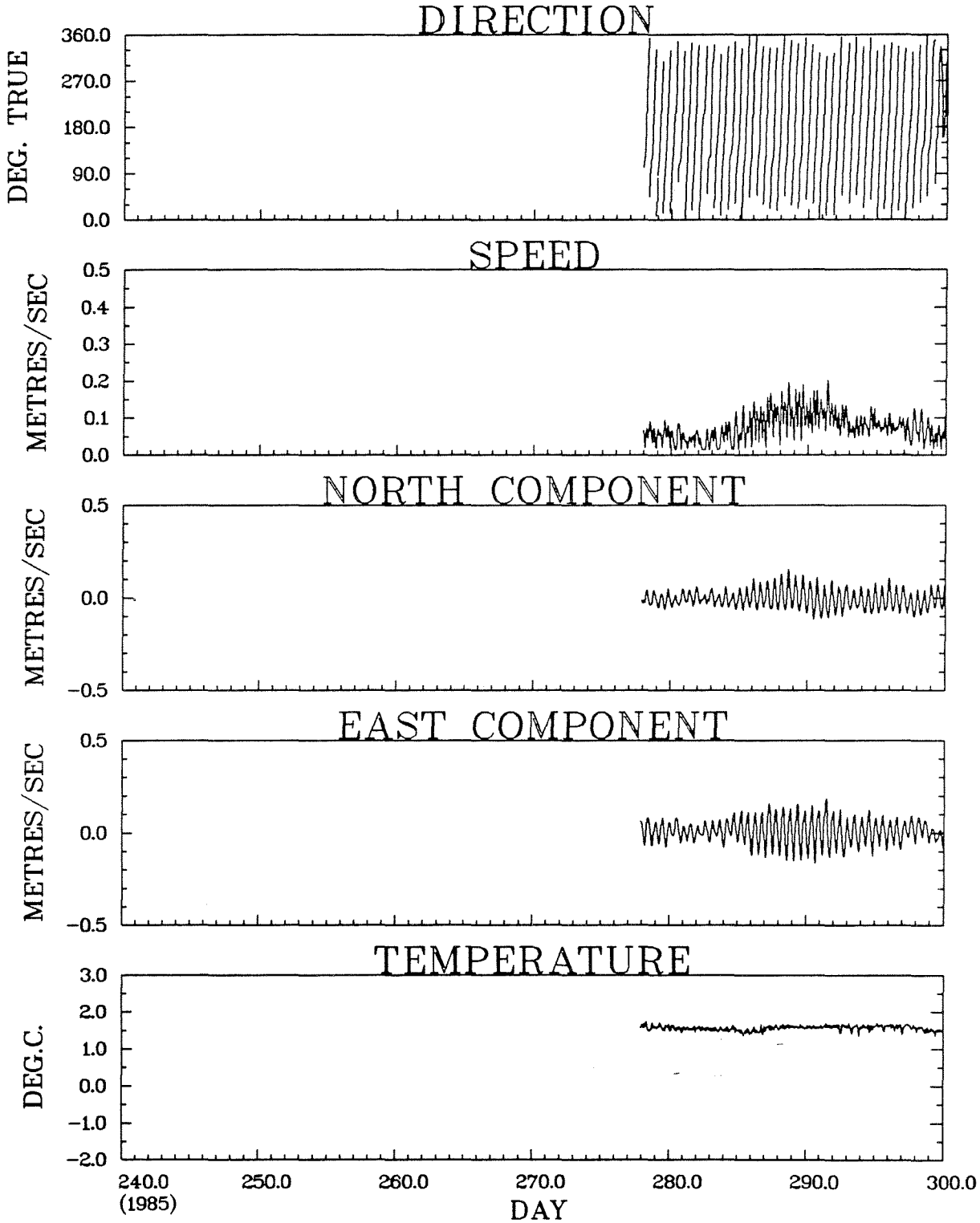
RECORD LENGTH STATISTICS

Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7666	502	520	510	6.2
Temperature (T)	°C	7666	0.79	2.09	1.83	0.16
Salinity (S)	PSS78	7666	34.27	34.74	34.48	0.04
Speed (R)	$m.s^{-1}$	6772	0.015	0.224	0.059	0.032
Northeast Component (V)	$m.s^{-1}$	6772	-.110	0.092	0.002	0.029
Southeast Component (U)	$m.s^{-1}$	6772	-.209	0.218	0.001	0.060

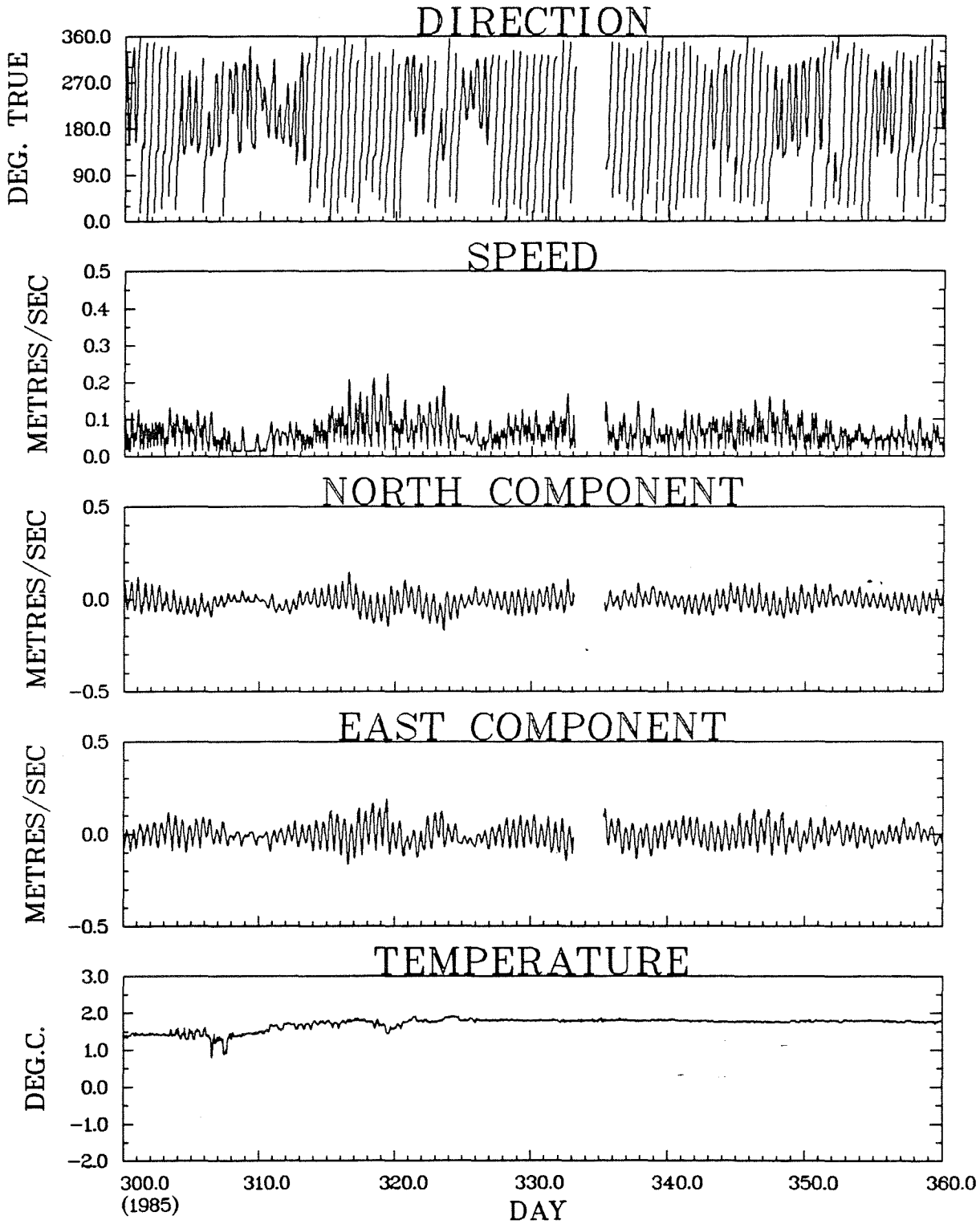
MONTHLY MEANS

	Samples	T	S	R	V	U
October	649	1.54±0.09	34.42±0.03	0.074±.037	0.001±.041	0.009±.071
November	720[a]	1.68±0.18	34.43±0.04	0.067±.039	-.015±.032	0.008±.069
December	744[b]	1.77±0.03	34.45±0.02	0.061±.030	-.009±.027	0.005±.062
January	744	1.85±0.11	34.47±0.03	0.063±.030	-.002±.028	-.004±.064
February	672	1.86±0.07	34.46±0.03	0.069±.032	-.014±.033	0.012±.067
March	744	2.02±0.04	34.50±0.02	0.056±.027	0.008±.022	-.003±.057
April	720[c]	1.95±0.04	34.48±0.03	0.053±.029	0.013±.021	-.006±.055
May	744[d]	1.98±0.02	34.50±0.02	0.053±.034	0.007±.016	0.001±.060
June	720[e]	1.88±0.11	34.51±0.03	0.052±.027	0.021±.020	-.008±.051
July	744	1.73±0.05	34.51±0.03	0.045±.026	0.014±.016	-.001±.047
August	465[f]	1.73±0.02	34.53±0.04	0.042±.027	0.006±.019	-.003±.046

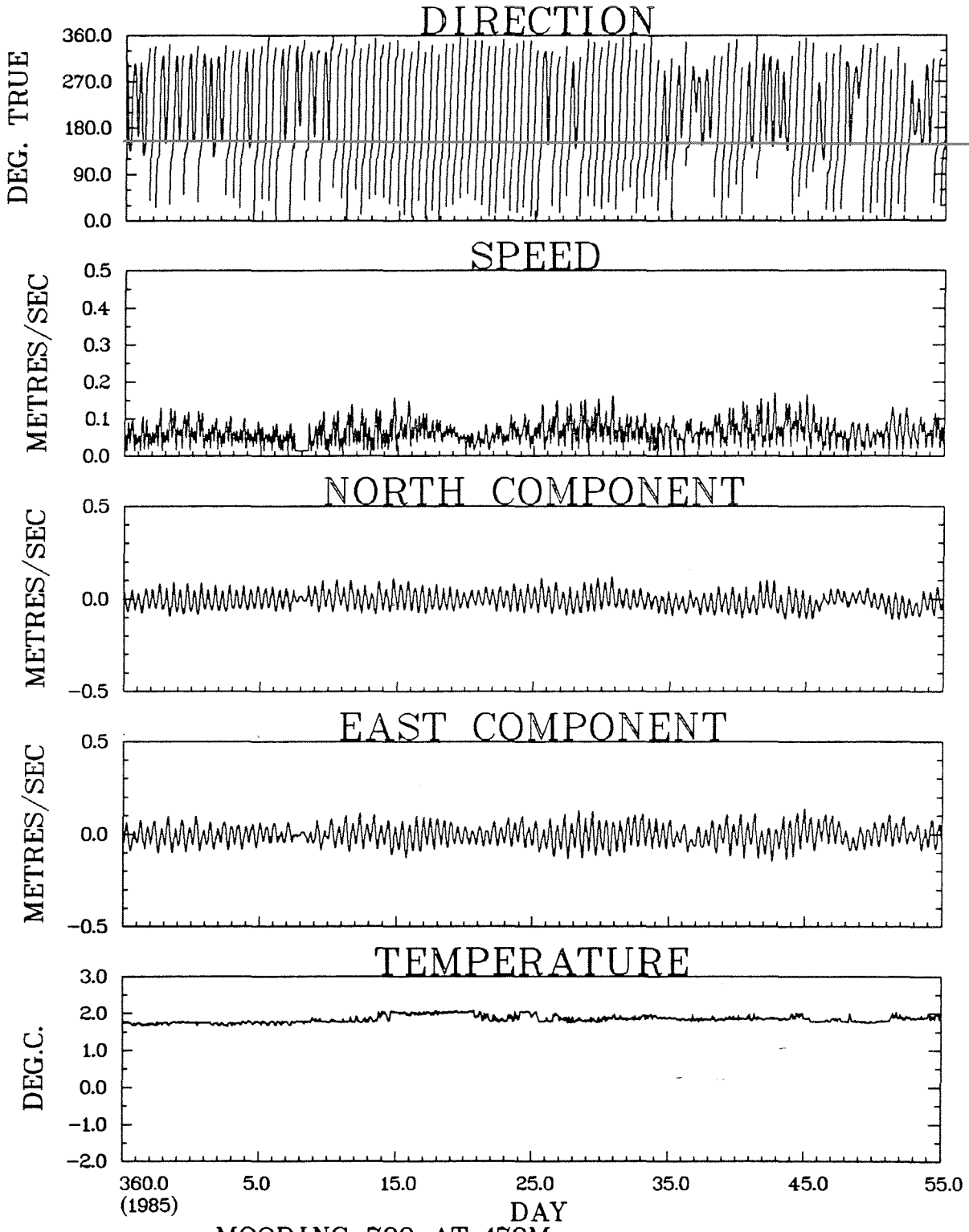
Notes:
[a] speeds have only 676 samples
[b] speeds have only 735 samples
[c] speeds have only 690 samples
[d] speeds have only 198 samples
[e] speeds have only 536 samples
[f] speeds have only 384 samples



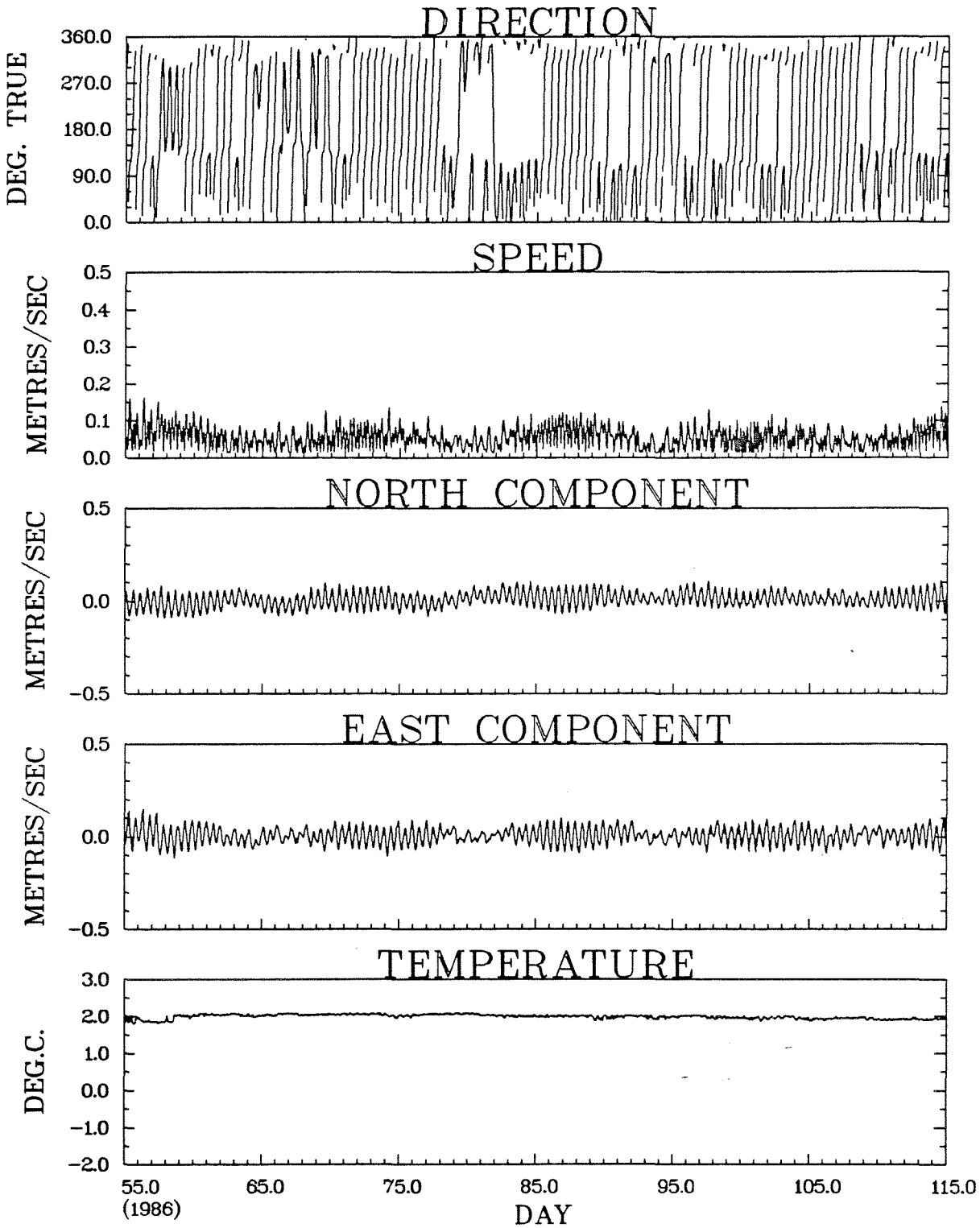
MOORING 700 AT 478M
NORTHERN BAFFIN BAY 1985/6



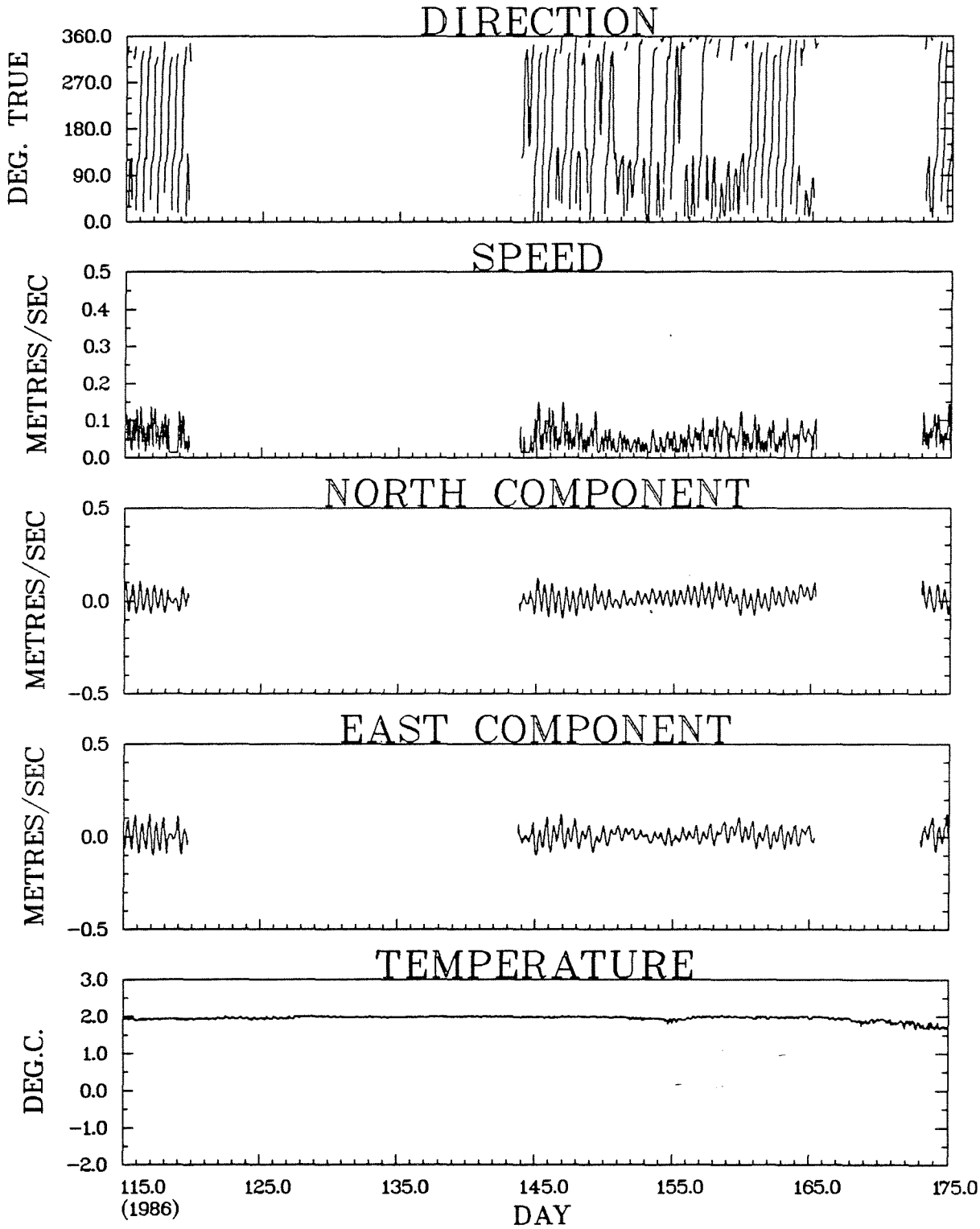
MOORING 700 AT 478M
NORTHERN BAFFIN BAY 1985/6



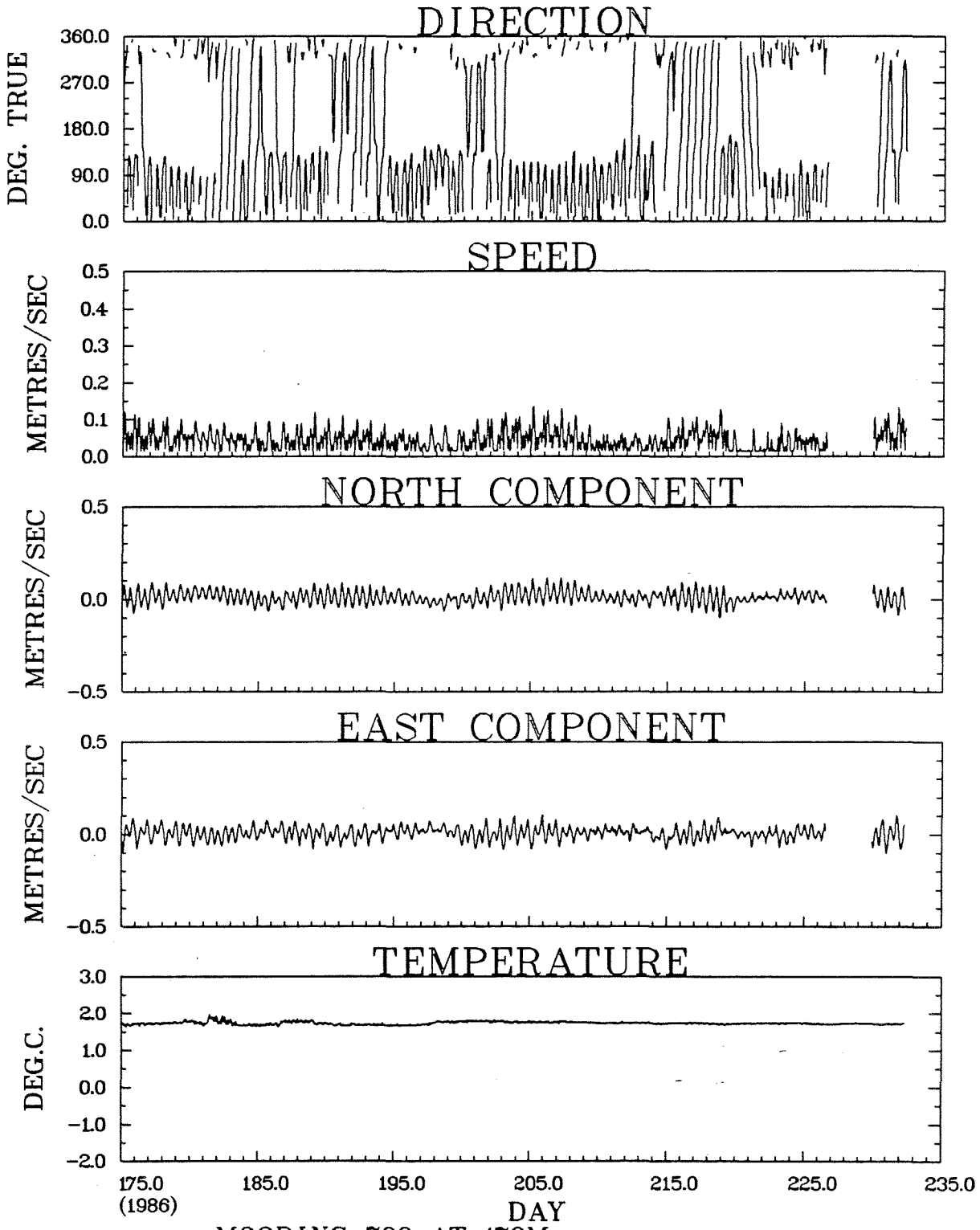
MOORING 700 AT 478M
NORTHERN BAFFIN BAY 1985/6



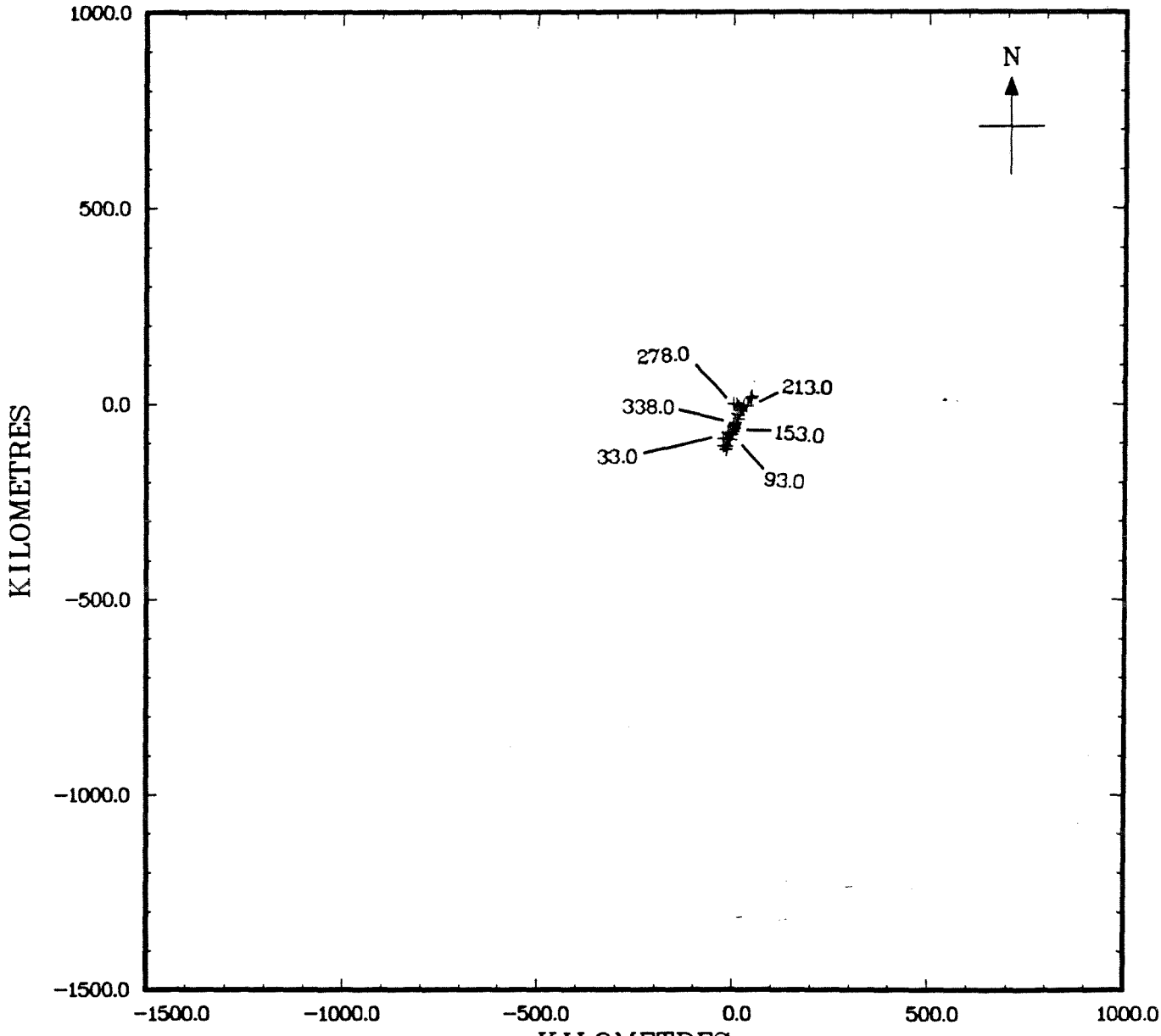
MOORING 700 AT 478M
NORTHERN BAFFIN BAY 1985/6



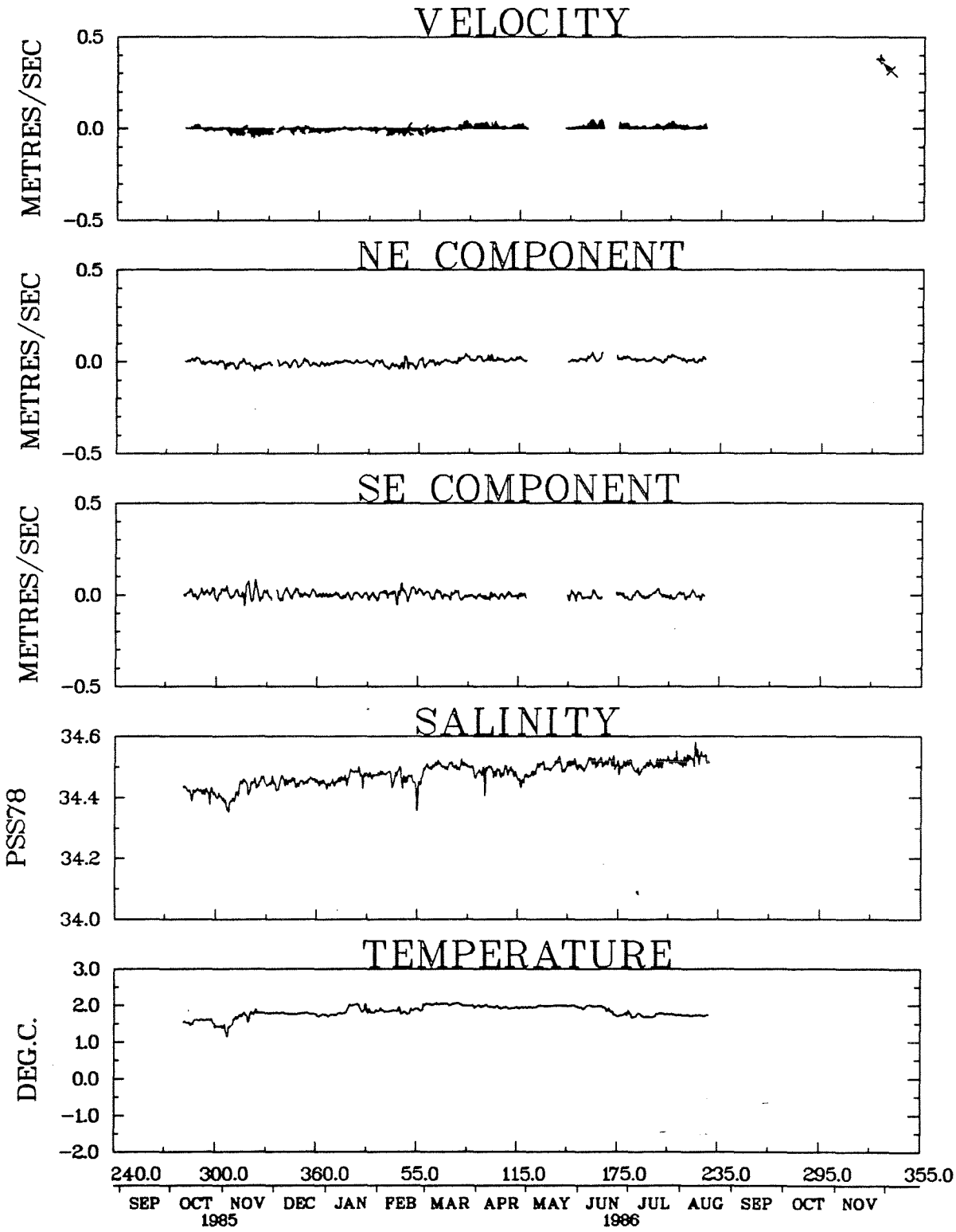
MOORING 700 AT 478M
NORTHERN BAFFIN BAY 1985/6



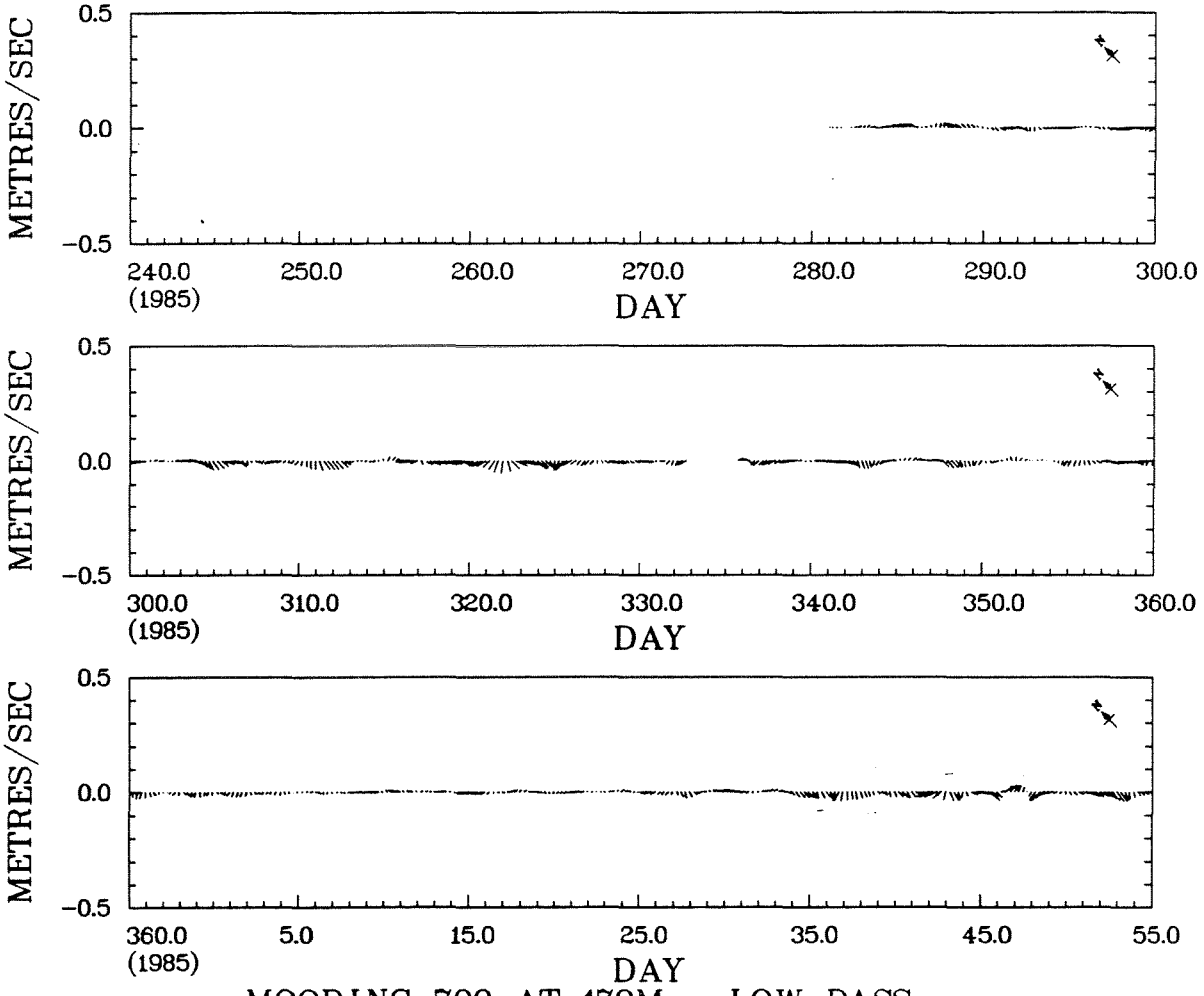
MOORING 700 AT 478M
NORTHERN BAFFIN BAY 1985/6



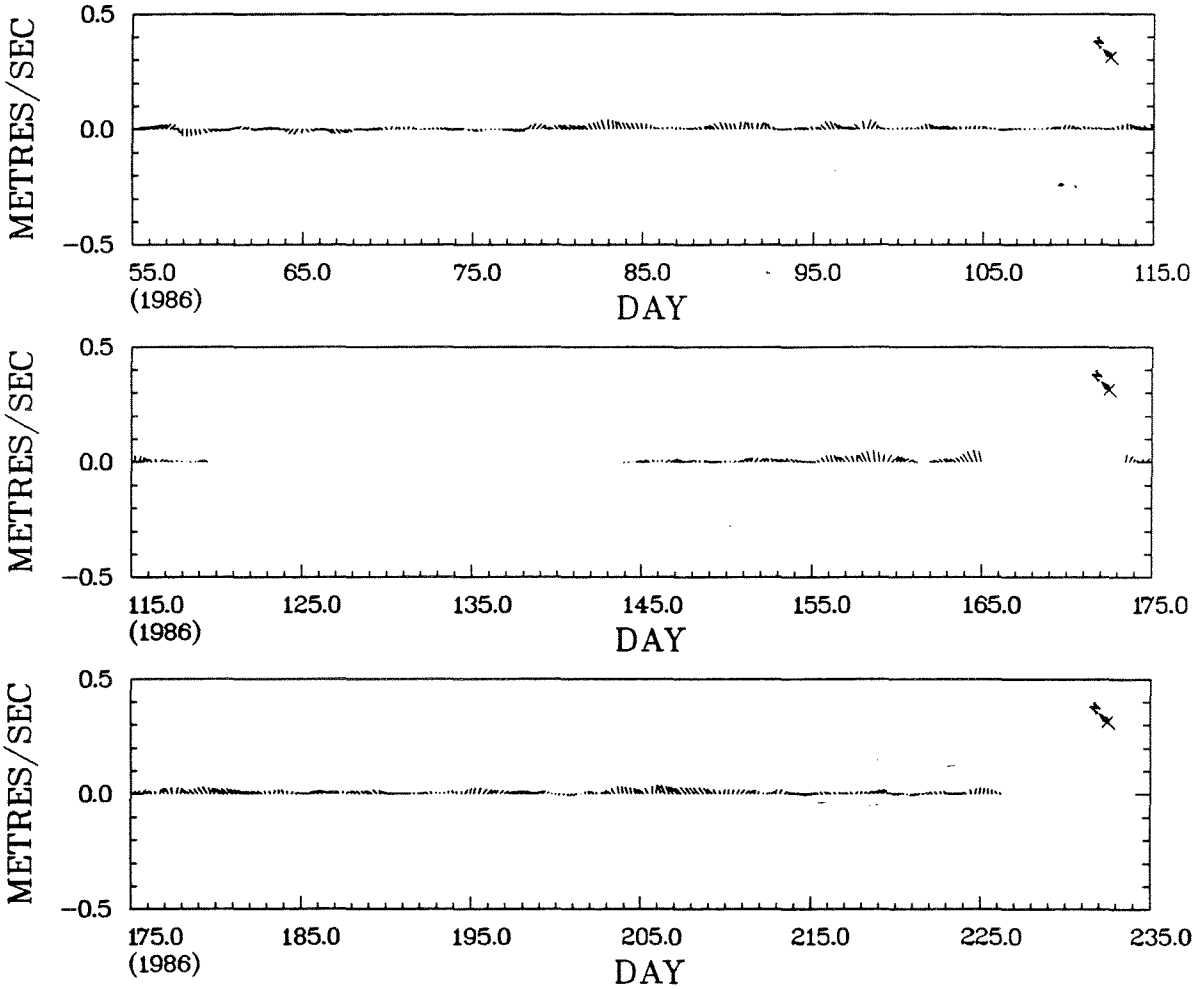
MOORING 700 AT 478M
NORTHERN BAFFIN BAY 1985/6



MOORING 700 AT 478M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 700 AT 478M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



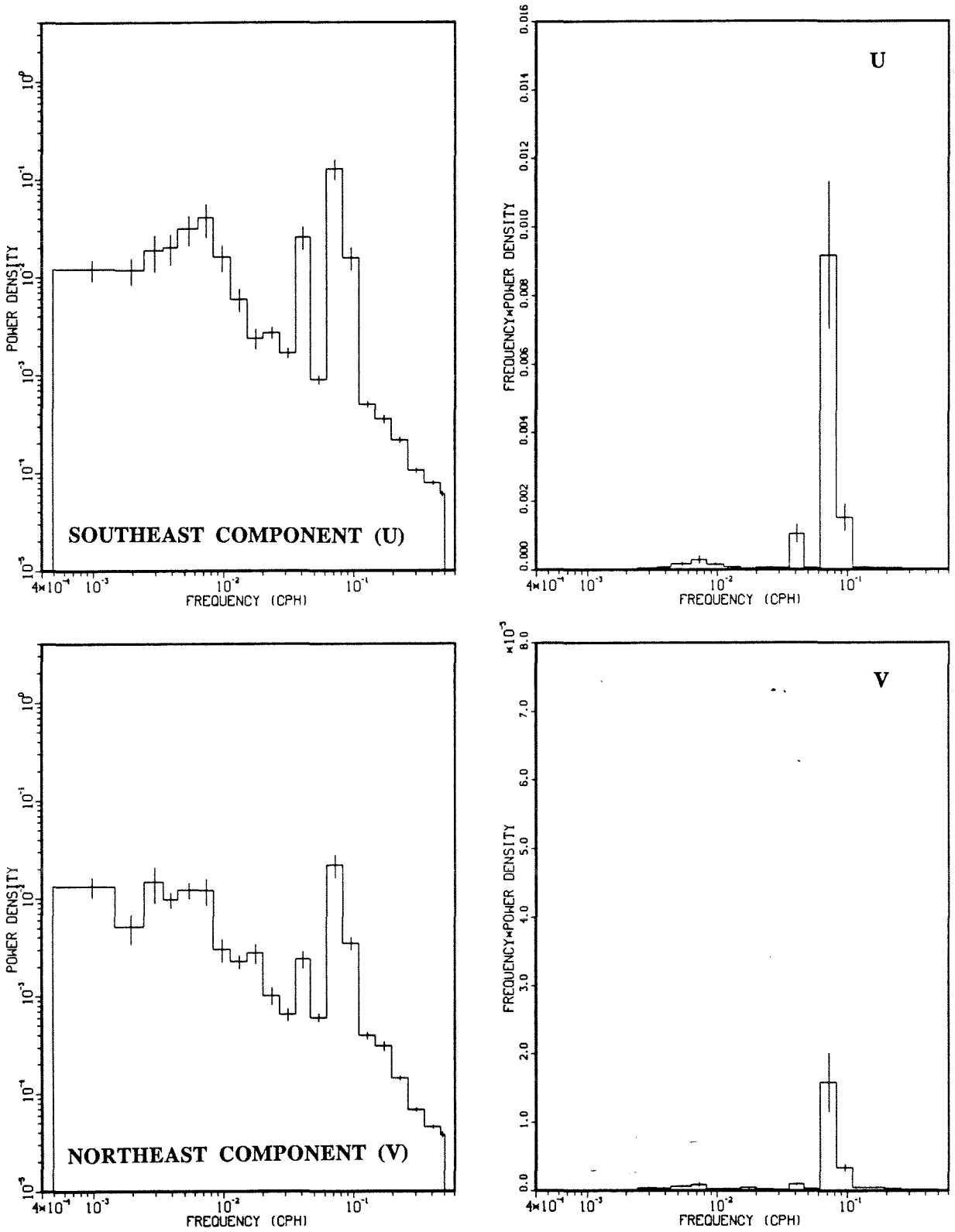
MOORING 700 AT 478M – LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 700
Depth 478 m

Tidal Analysis

319.4 d centred at day 072,1986
(37.2 d gap in data)

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	.016	.001	120	93	C	.008	277	.014	92
O1	.009	.001	121	37	C	.005	225	.008	34
P1	.006	.000	119	71	C	.003	257	.005	70
M2	.064	.019	131	225	C	.044	64	.050	210
S2	.021	.001	129	271	C	.013	94	.016	270
N2	.009	.000	133	189	A	.006	7	.007	191
K2	.005	.001	109	269	A	.002	65	.005	272
MF	.004	.001	352	7	C	.004	11	.002	116
M4	.002	.000	13	144	C	.002	141	.001	186
MS4	.001	.000	9	172	A	.001	172	.000	169



MOORING 700 AT 478M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 701
Depth 193 m

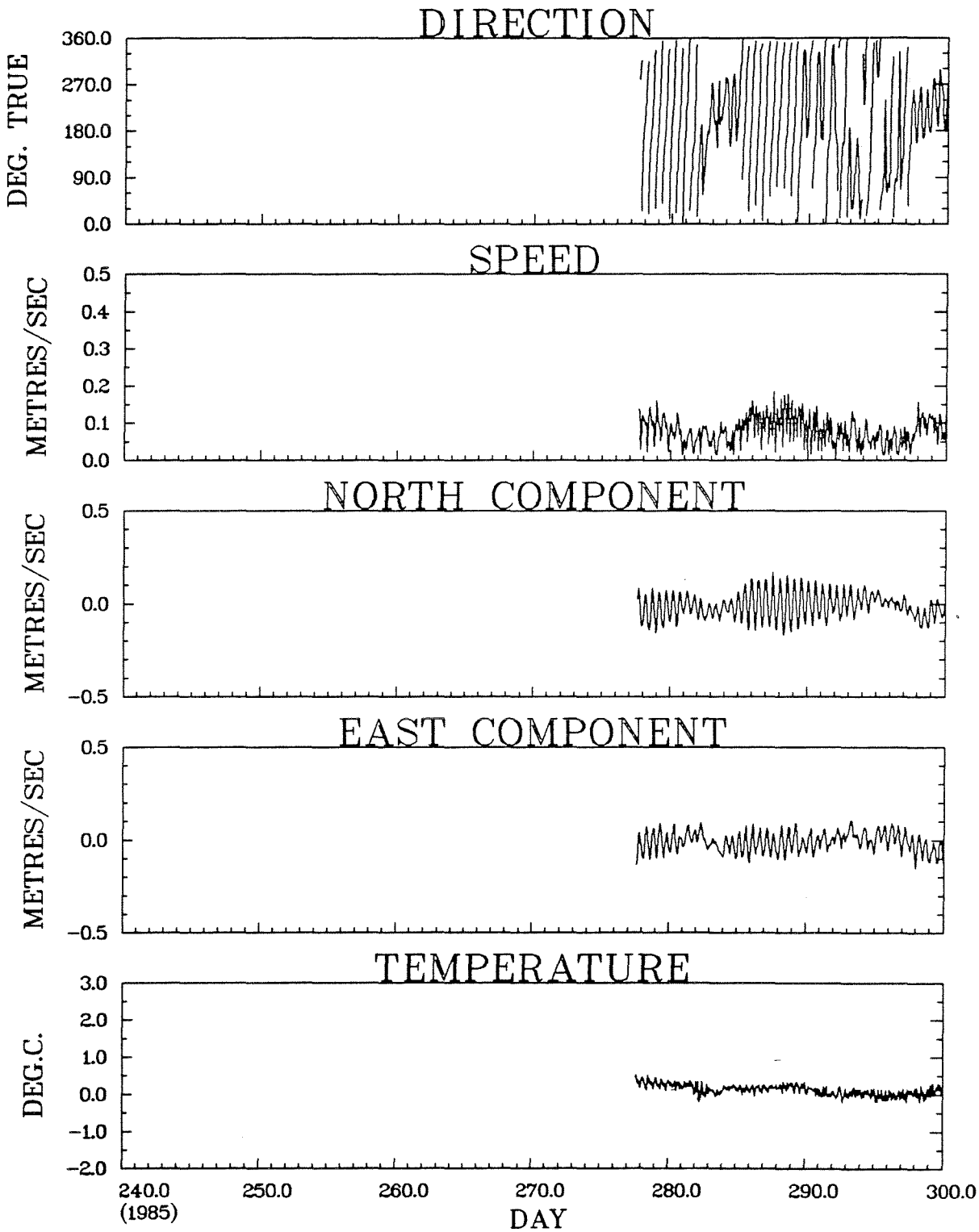
Latitude	75° 20.4N	Deployment	1353Z 4 Oct., 1985
Longitude	74° 21.8W	Recovery	1949Z 20 Aug., 1986
Water Depth	533 m	Duration	320 d

RECORD LENGTH STATISTICS

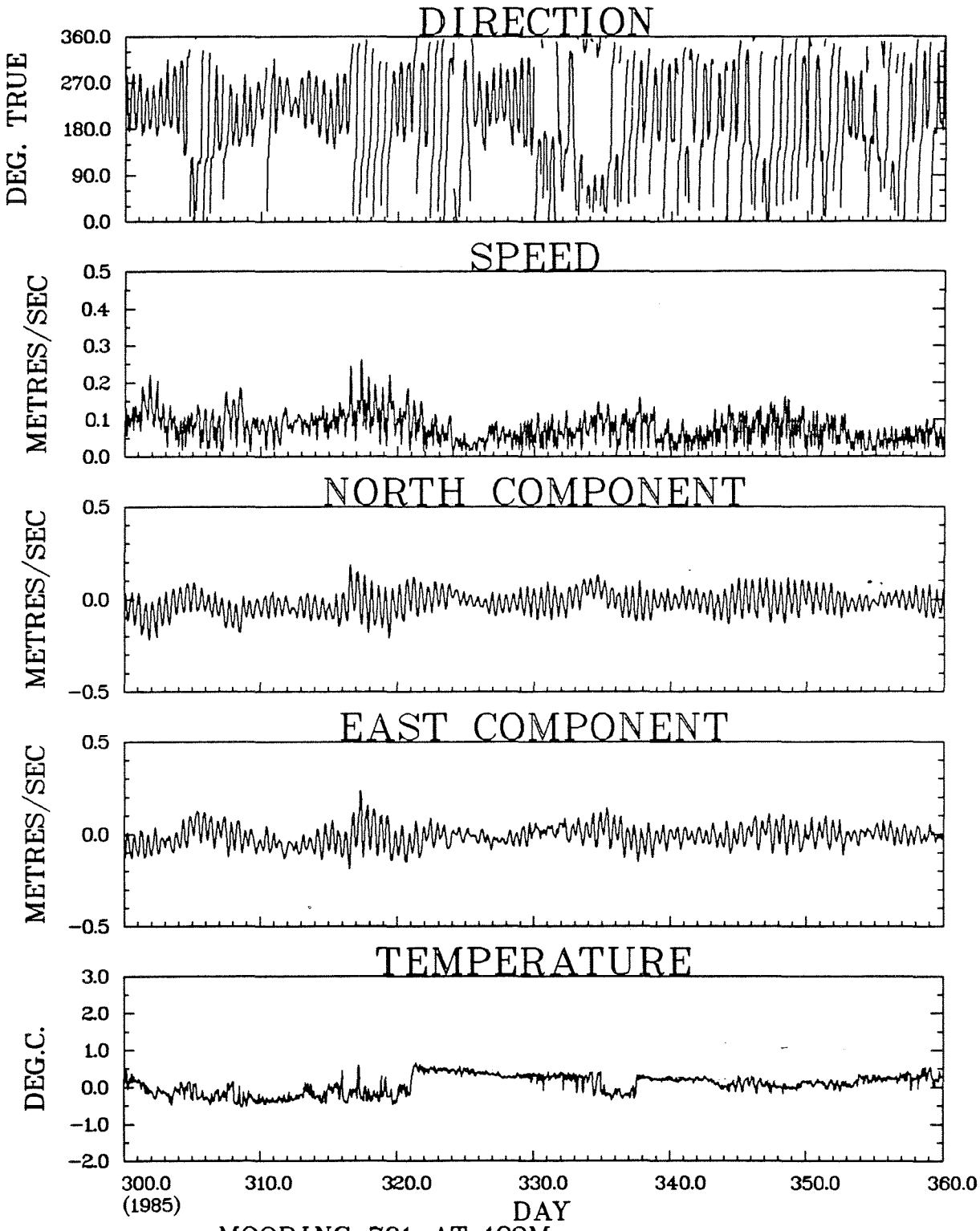
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7685	194	195	194	0.1
Temperature (T)	°C	7685	-1.71	0.93	0.25	0.37
Salinity (S)	PSS78	7679	33.70	34.22	34.03	0.07
Speed (R)	$m.s^{-1}$	7685	0.015	0.261	0.085	0.040
Northeast Component (V)	$m.s^{-1}$	7685	-.194	0.164	-.030	0.052
Southeast Component (U)	$m.s^{-1}$	7685	-.243	0.251	0.001	0.073

MONTHLY MEANS

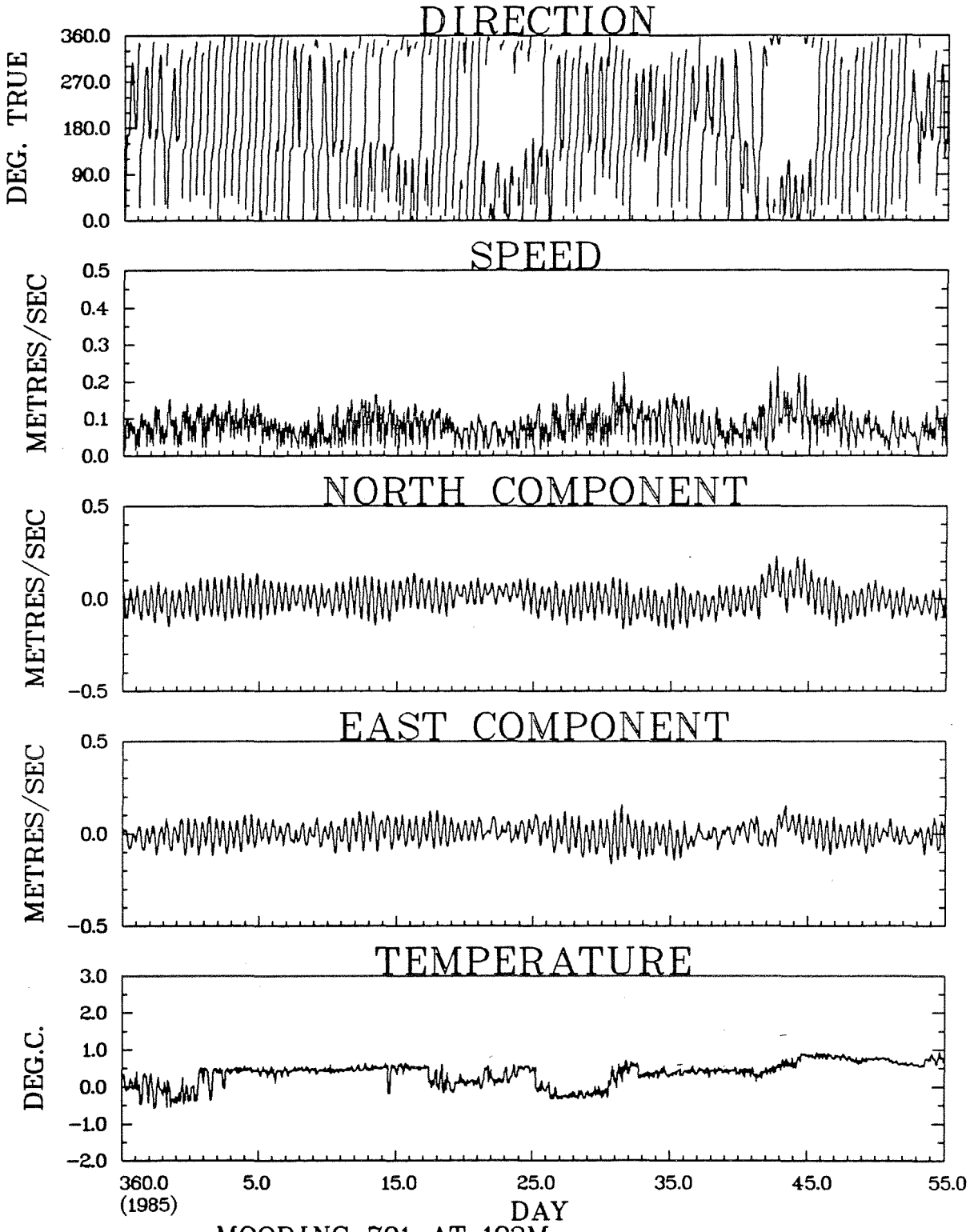
	Samples	T	S	R	V	U
October	657	0.09±0.16	33.99±0.05	0.084±.038	-.024±.055	0.001±.070
November	720	0.04±0.32	34.03±0.05	0.081±.041	-.022±.050	0.004±.073
December	744	0.08±0.20	34.03±0.03	0.069±.034	-.011±.036	0.003±.067
January	744	0.28±0.28	34.05±0.03	0.080±.035	0.011±.039	-.001±.078
February	672	0.60±0.18	34.11±0.04	0.085±.039	-.013±.055	0.001±.074
March	744	0.63±0.08	34.10±0.03	0.082±.036	-.032±.038	0.004±.075
April	720	0.51±0.08	34.05±0.03	0.094±.036	-.027±.054	-.000±.081
May	744	0.36±0.11	34.02±0.03	0.093±.039	-.023±.050	-.006±.084
June	720	0.45±0.18	34.04±0.05	0.080±.042	-.048±.046	0.001±.061
July	744	-0.22±0.40	33.94±0.06	0.106±.041	-.084±.034	0.010±.068
August	476	-0.24±0.32	33.93±0.06	0.087±.044	-.064±.045	-.006±.057



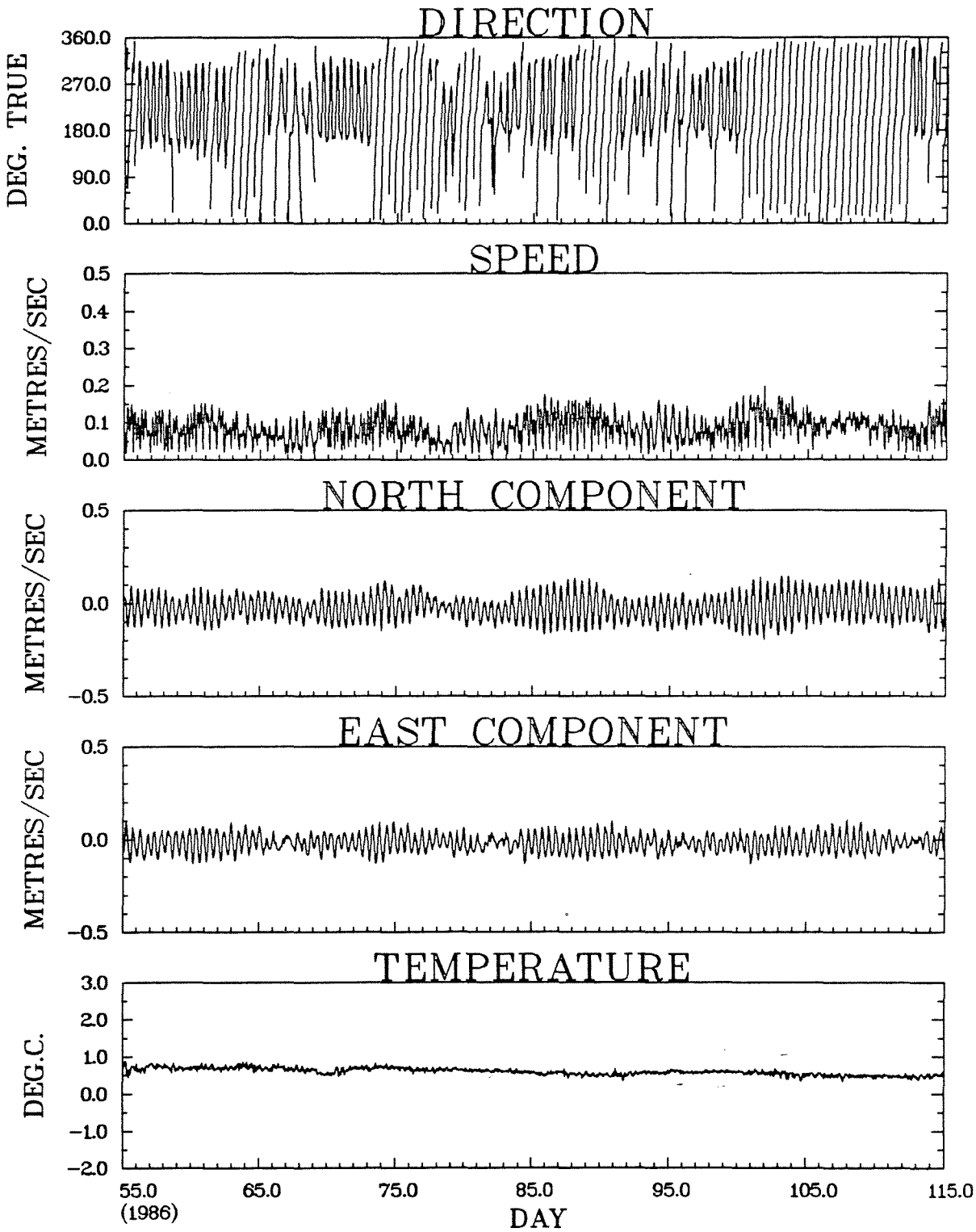
MOORING 701 AT 193M
NORTHERN BAFFIN BAY 1985/6



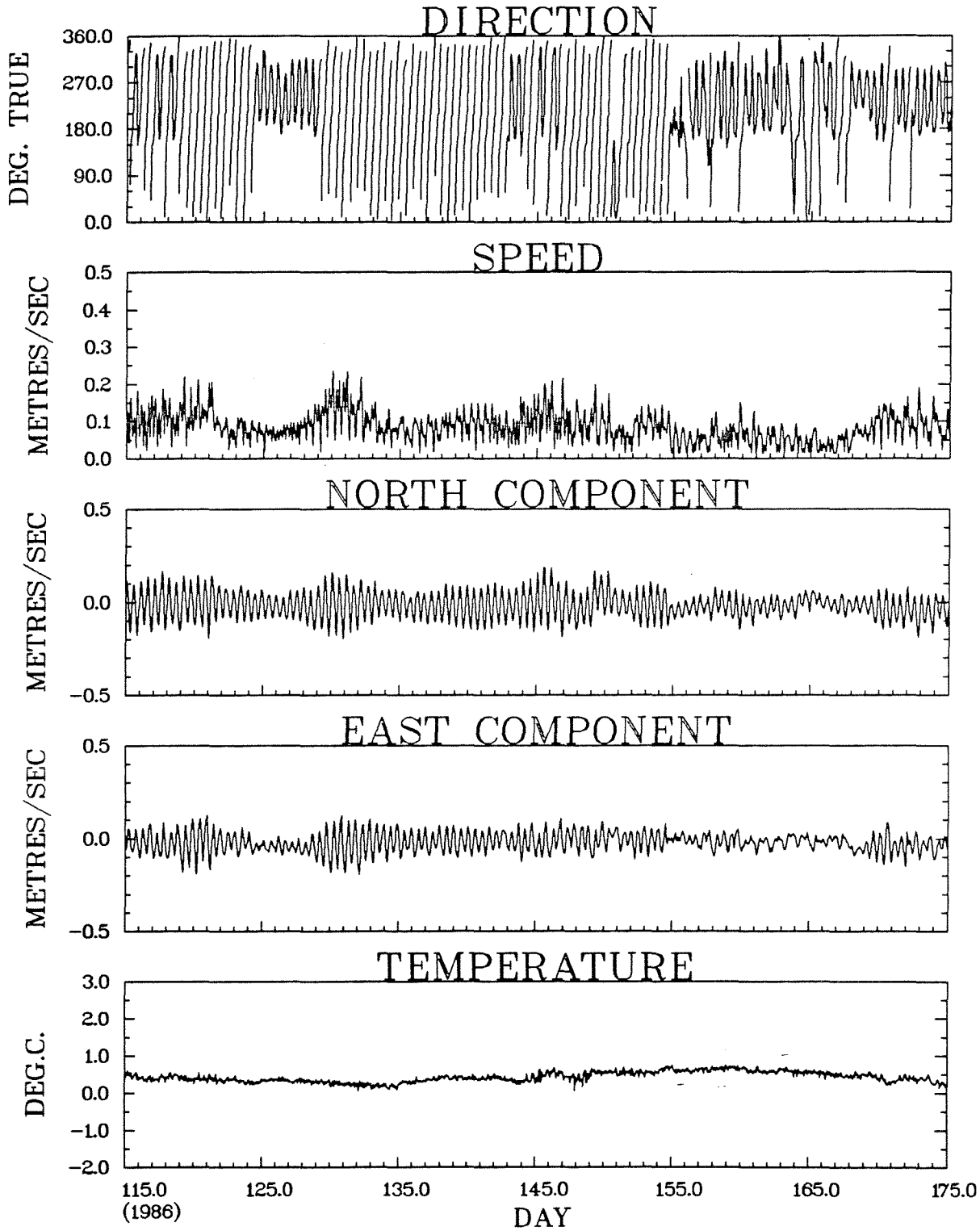
MOORING 701 AT 193M
NORTHERN BAFFIN BAY 1985/6



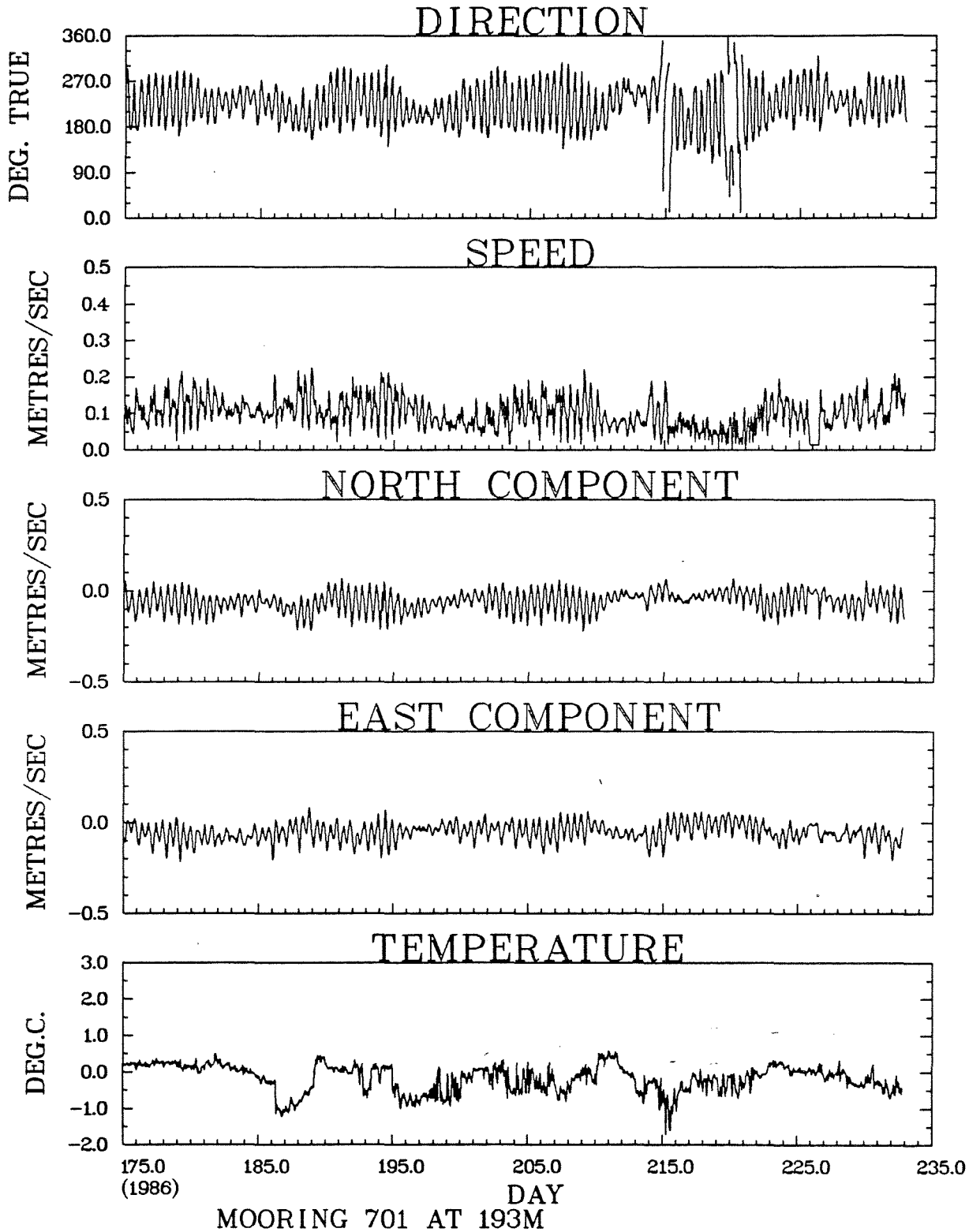
MOORING 701 AT 193M
NORTHERN BAFFIN BAY 1985/6



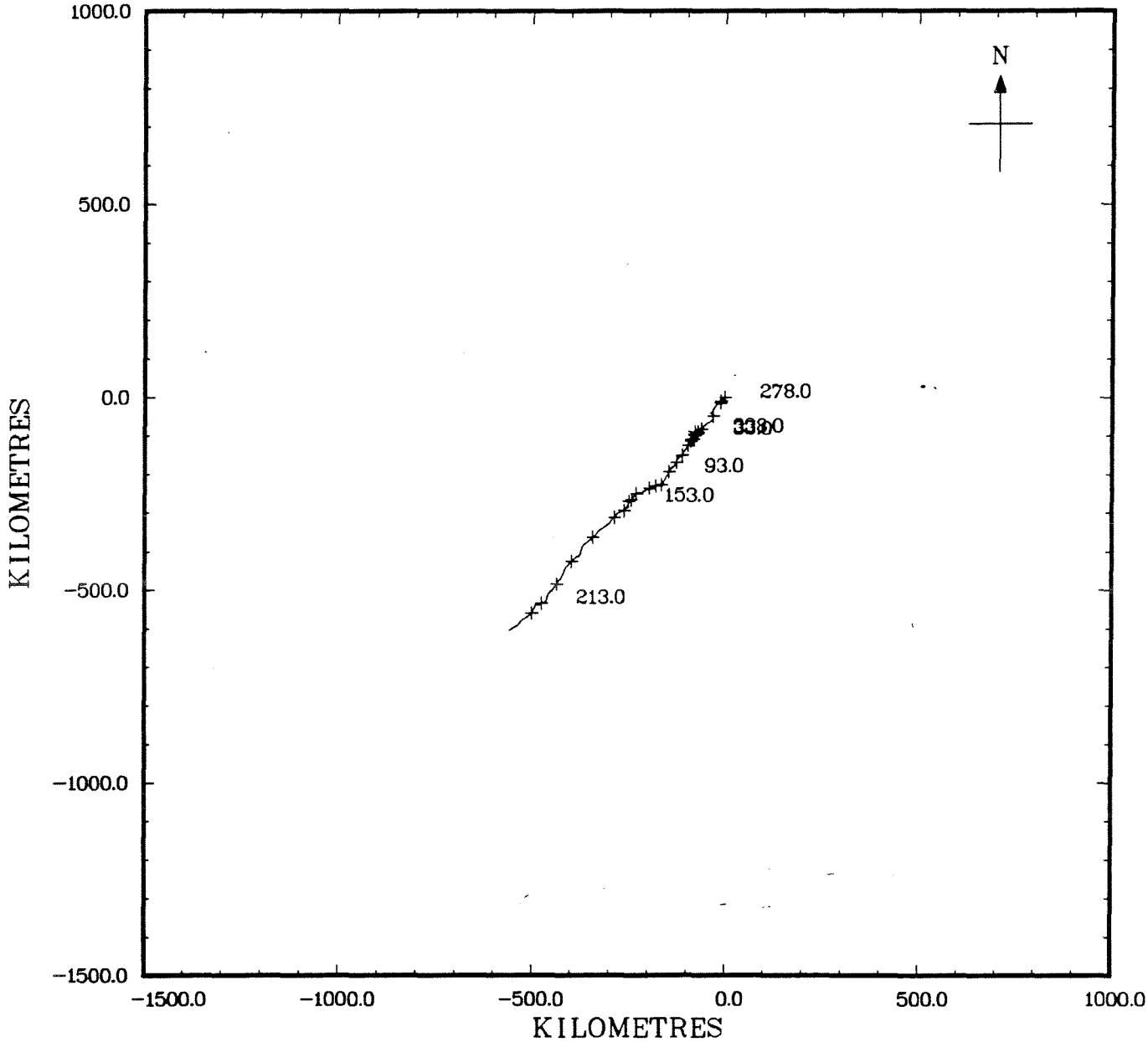
MOORING 701 AT 193M
NORTHERN BAFFIN BAY 1985/6



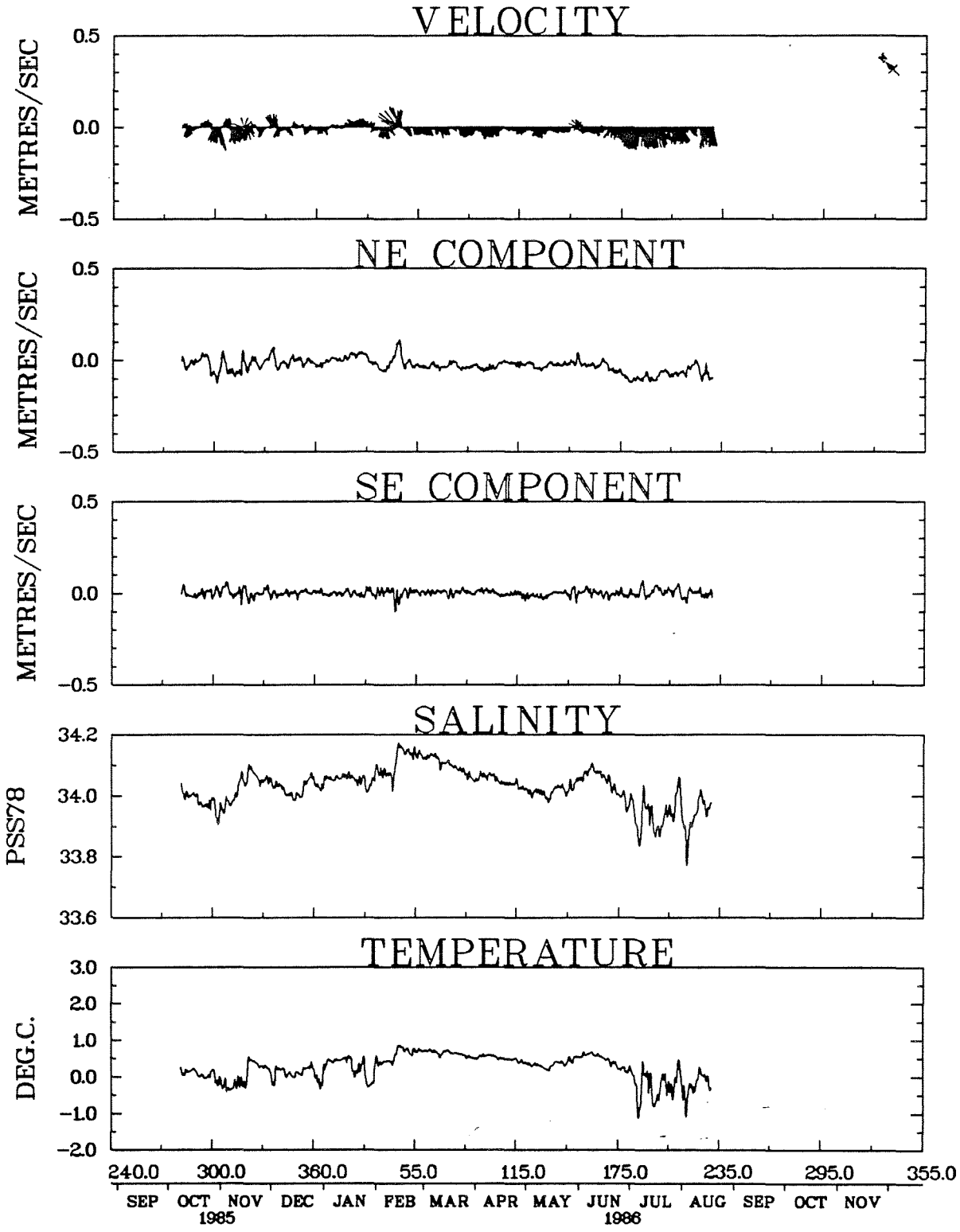
MOORING 701 AT 193M
NORTHERN BAFFIN BAY 1985/6



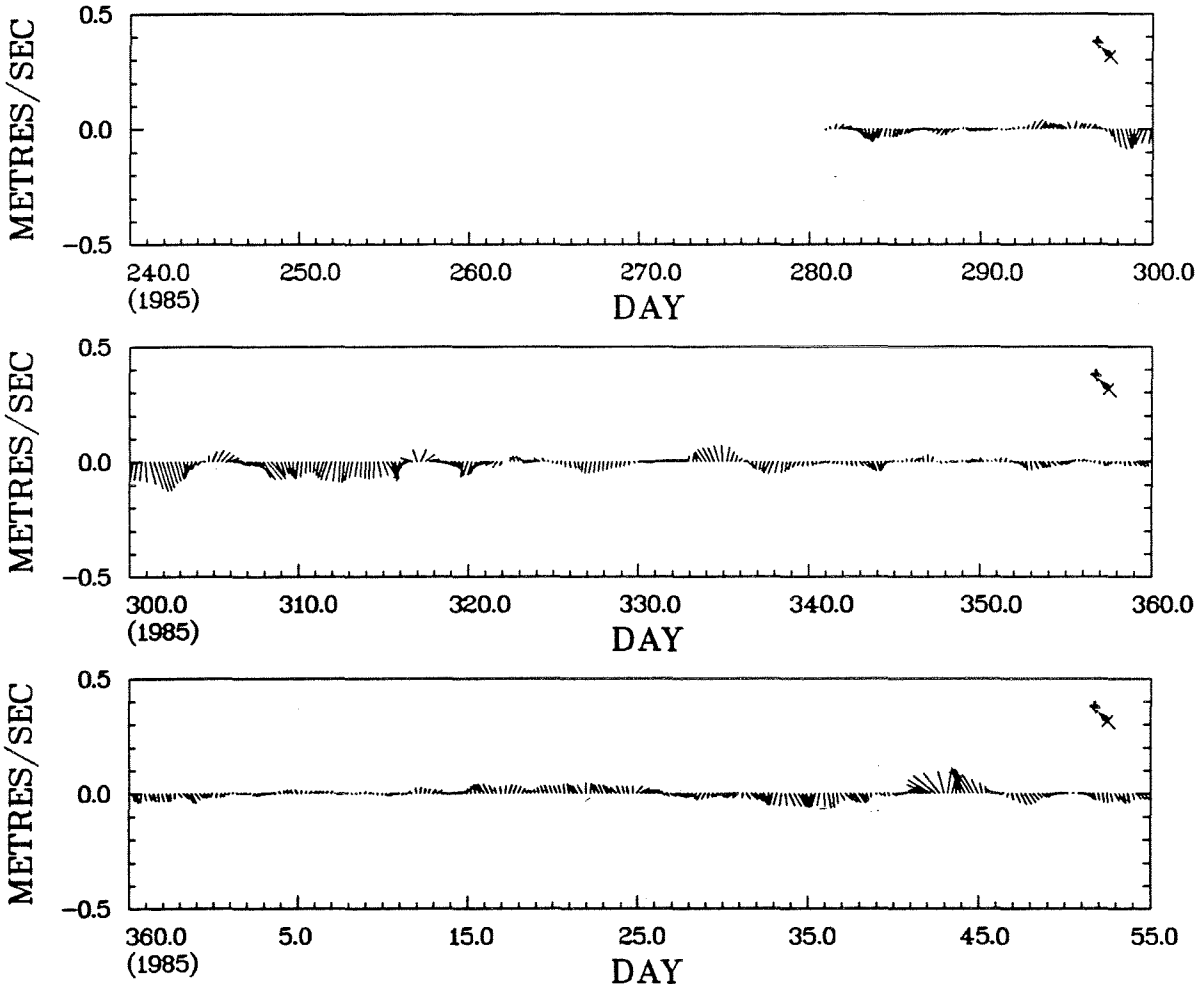
MOORING 701 AT 193M
NORTHERN BAFFIN BAY 1985/6



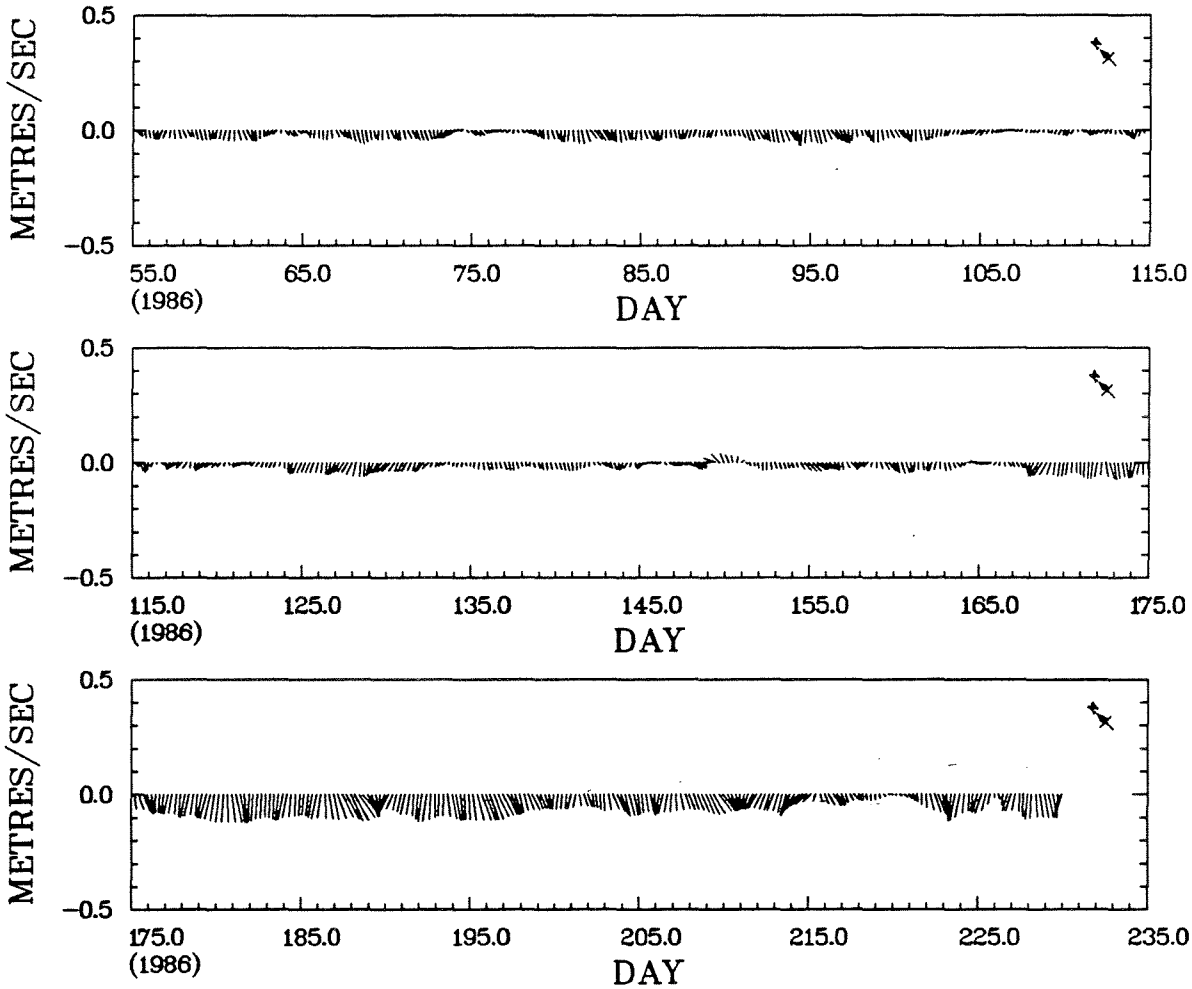
MOORING 701 AT 193M
NORTHERN BAFFIN BAY 1985/6



MOORING 701 AT 193M – LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 701 AT 193M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



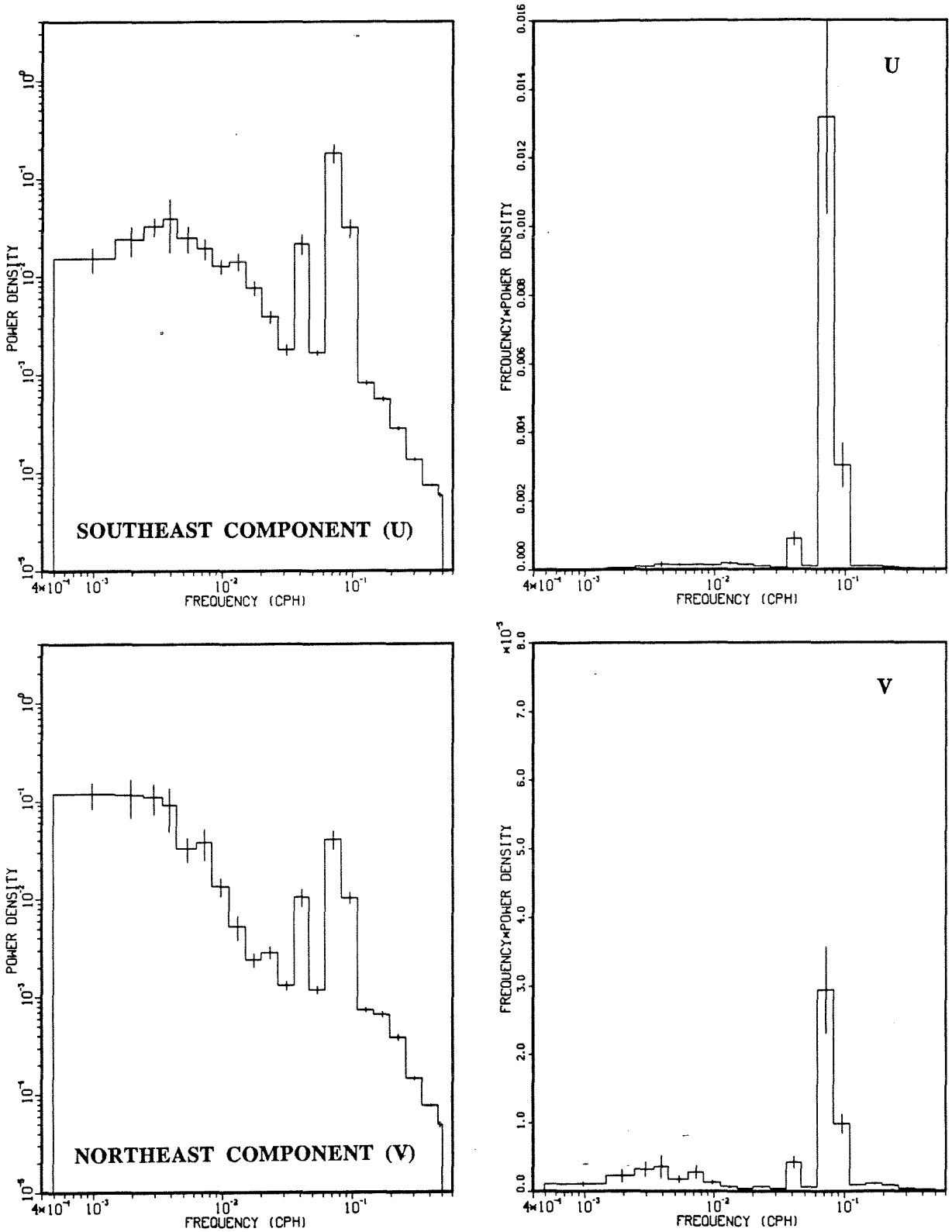
MOORING 701 AT 193M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 701
Depth 193 m

Tidal Analysis

320.2 d centred at day 072,1986

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	.018	.006	108	64	C	.008	290	.017	58
O1	.009	.005	101	11	C	.006	262	.009	5
P1	.006	.002	107	60	C	.003	291	.005	53
M2	.087	.021	331	22	C	.077	30	.047	179
S2	.031	.003	126	269	C	.019	97	.025	265
N2	.016	.003	322	1	C	.013	11	.010	166
K2	.011	.003	317	71	C	.008	84	.008	236
MF	.004	.000	58	207	A	.002	208	.004	207
M4	.001	.000	69	247	C	.001	195	.001	257
MS4	.001	.001	57	53	C	.001	8	.001	76



MOORING 701 AT 193M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 701
Depth 343 m

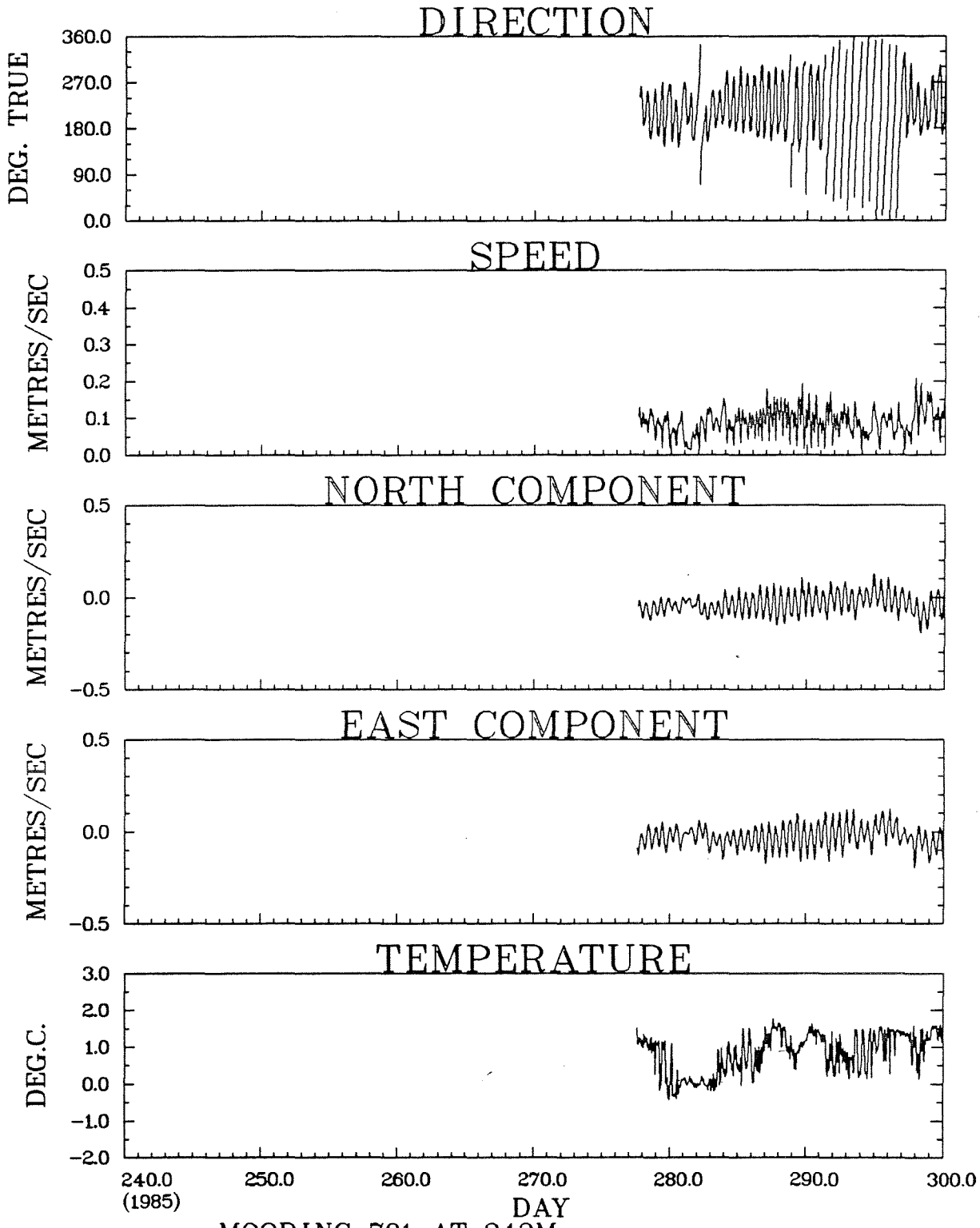
Latitude	75° 20.4N	Deployment	1353Z 4 Oct., 1985
Longitude	74° 21.8W	Recovery	1949Z 20 Aug., 1986
Water Depth	533 m	Duration	320 d

RECORD LENGTH STATISTICS

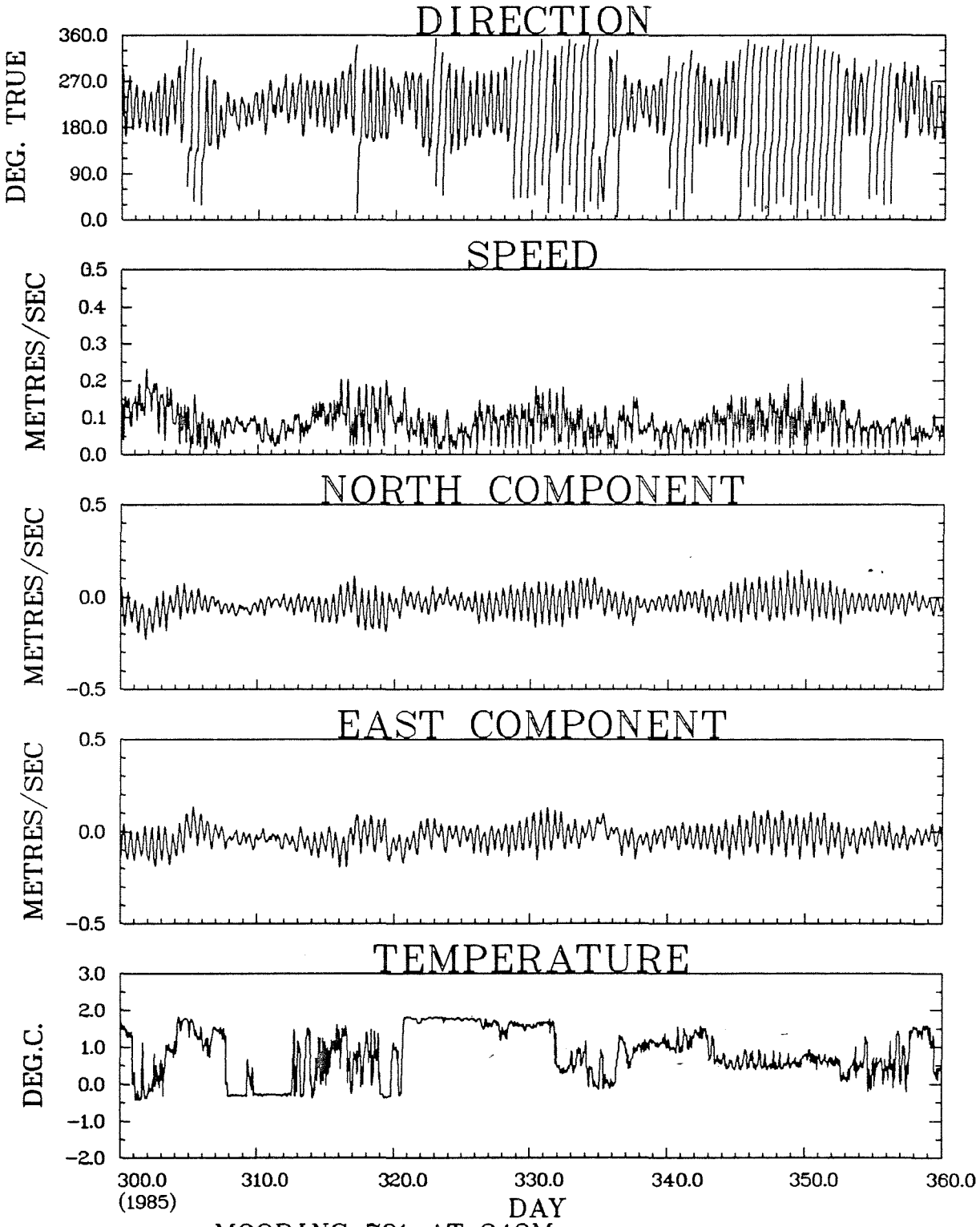
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7685	350	354	352	0.7
Temperature (T)	°C	7685	-0.42	1.94	1.03	0.63
Salinity (S)	PSS78	7668	34.02	34.47	34.29	0.07
Speed (R)	$m.s^{-1}$	7685	0.015	0.248	0.089	0.041
Northeast Component (V)	$m.s^{-1}$	7685	-.193	0.108	-.049	0.043
Southeast Component (U)	$m.s^{-1}$	7685	-.242	0.209	0.004	0.072

MONTHLY MEANS

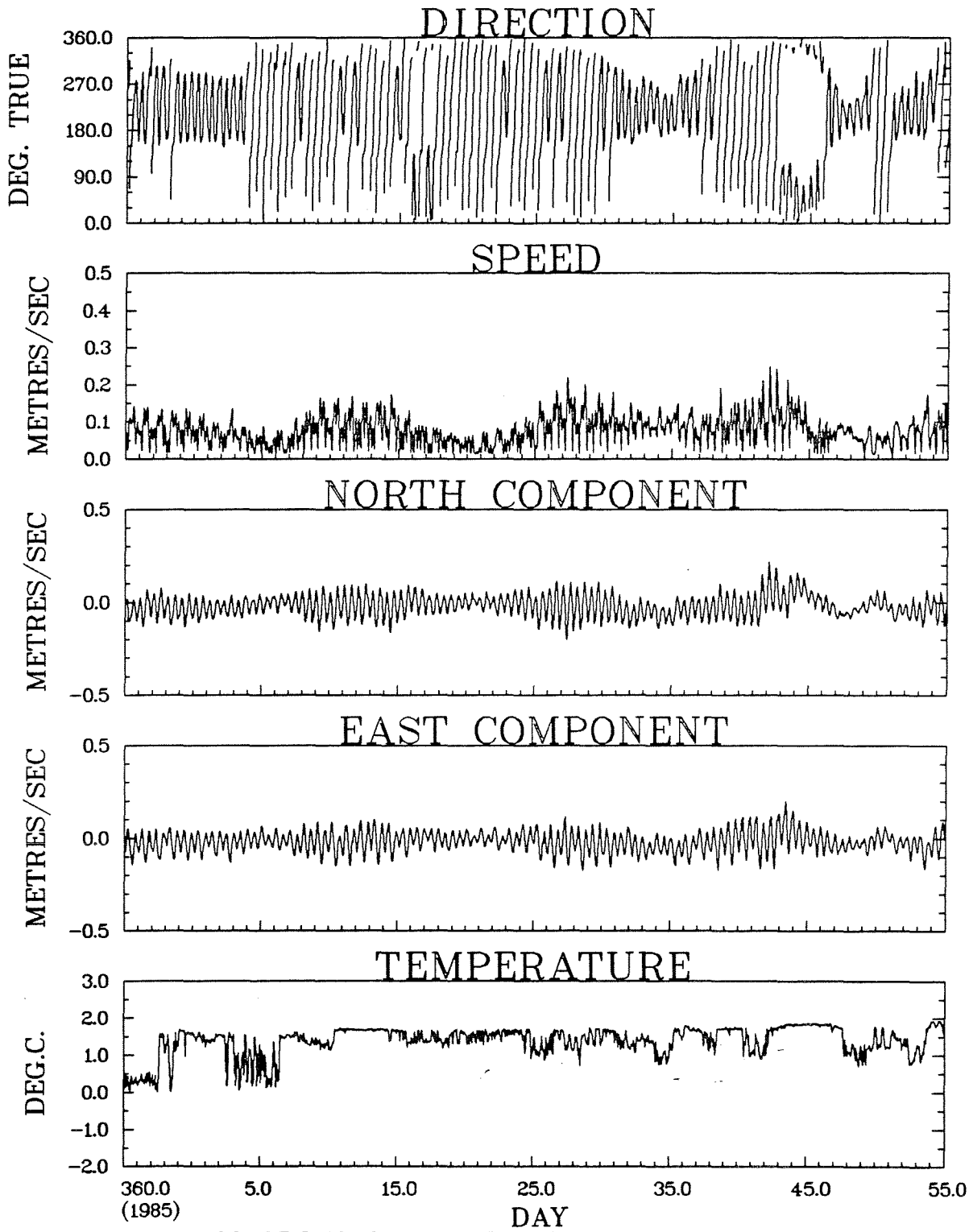
	Samples	T	S	R	V	U
October	657	0.81±0.60	34.30±0.06	0.096±.040	-.053±.050	0.004±.075
November	720	0.91±0.79	34.32±0.08	0.084±.039	-.045±.038	0.006±.071
December	744	0.77±0.46	34.29±0.05	0.079±.035	-.035±.035	0.002±.071
January	744	1.39±0.34	34.34±0.04	0.072±.041	-.021±.033	0.001±.074
February	672	1.49±0.33	34.35±0.04	0.089±.041	-.030±.048	0.001±.080
March	744	1.62±0.29	34.35±0.04	0.092±.043	-.050±.035	0.004±.081
April	720	0.93±0.52	34.27±0.06	0.089±.041	-.053±.034	0.002±.075
May	744	0.98±0.54	34.27±0.06	0.080±.042	-.032±.039	-.001±.075
June	720	1.11±0.44	34.28±0.05	0.084±.037	-.052±.039	0.007±.065
July	744	0.57±0.70	34.21±0.07	0.107±.032	-.091±.029	0.010±.057
August	476	0.64±0.66	34.22±0.06	0.109±.039	-.087±.038	0.004±.067



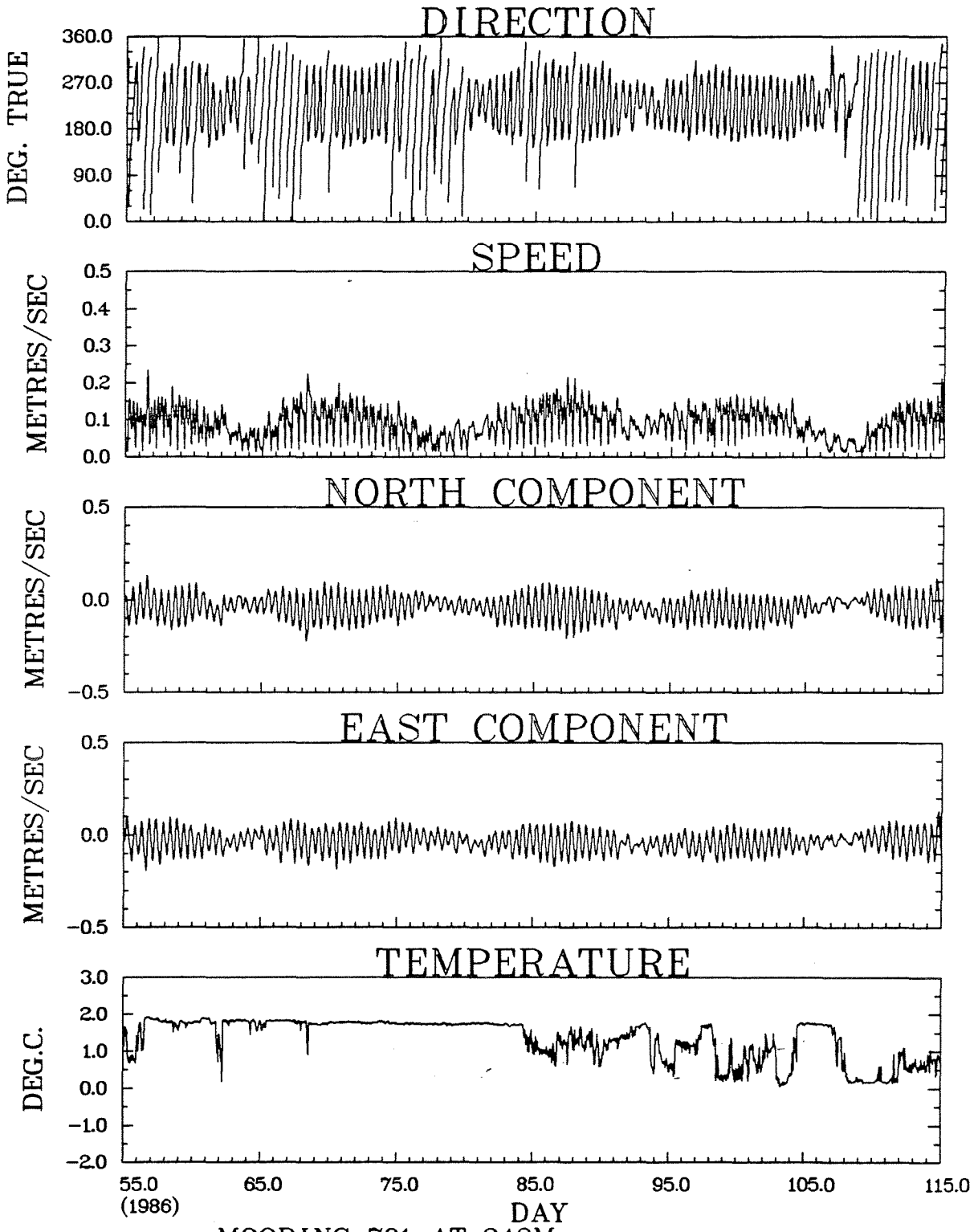
MOORING 701 AT 343M
NORTHERN BAFFIN BAY 1985/6



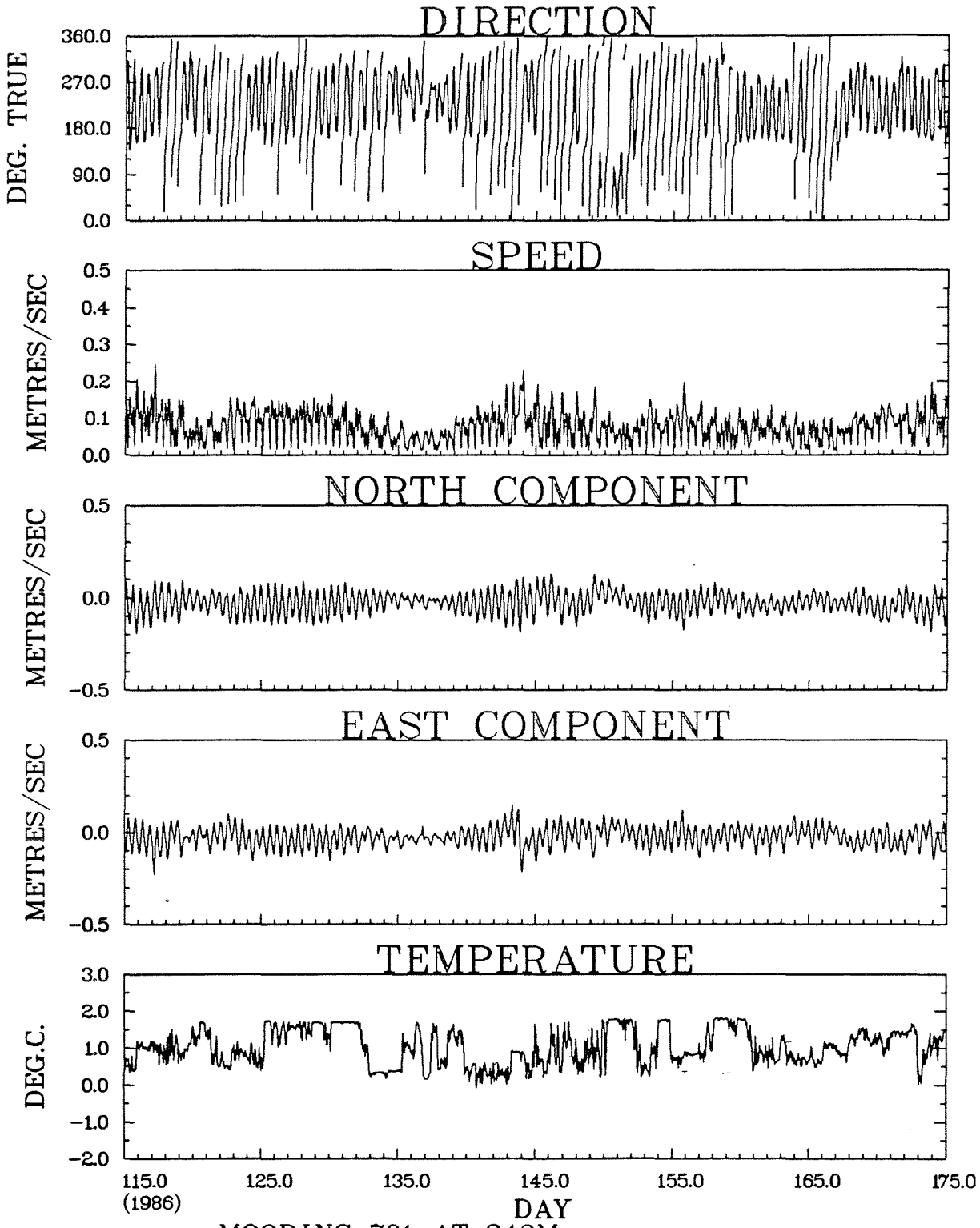
MOORING 701 AT 343M
NORTHERN BAFFIN BAY 1985/6



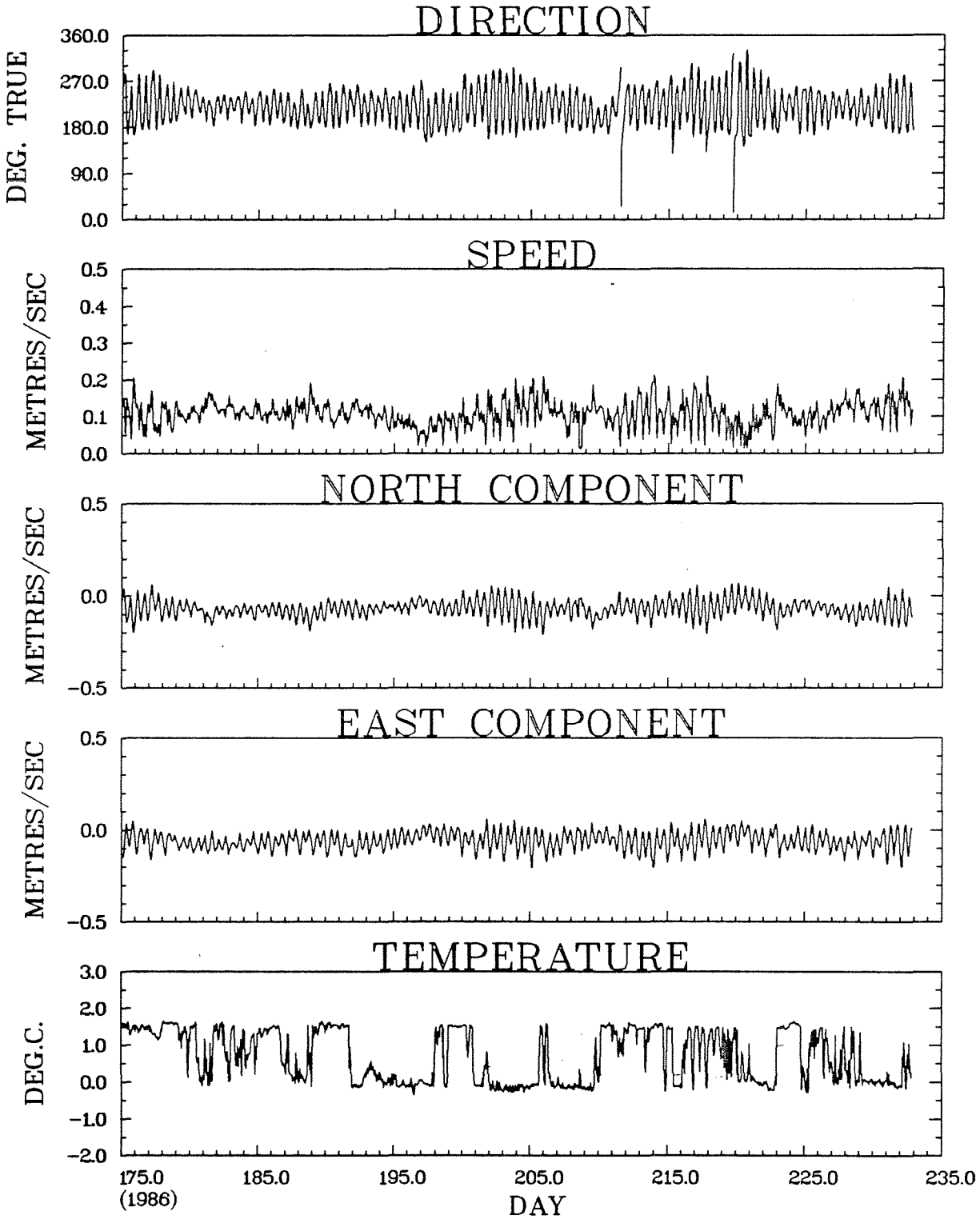
MOORING 701 AT 343M
NORTHERN BAFFIN BAY 1985/6



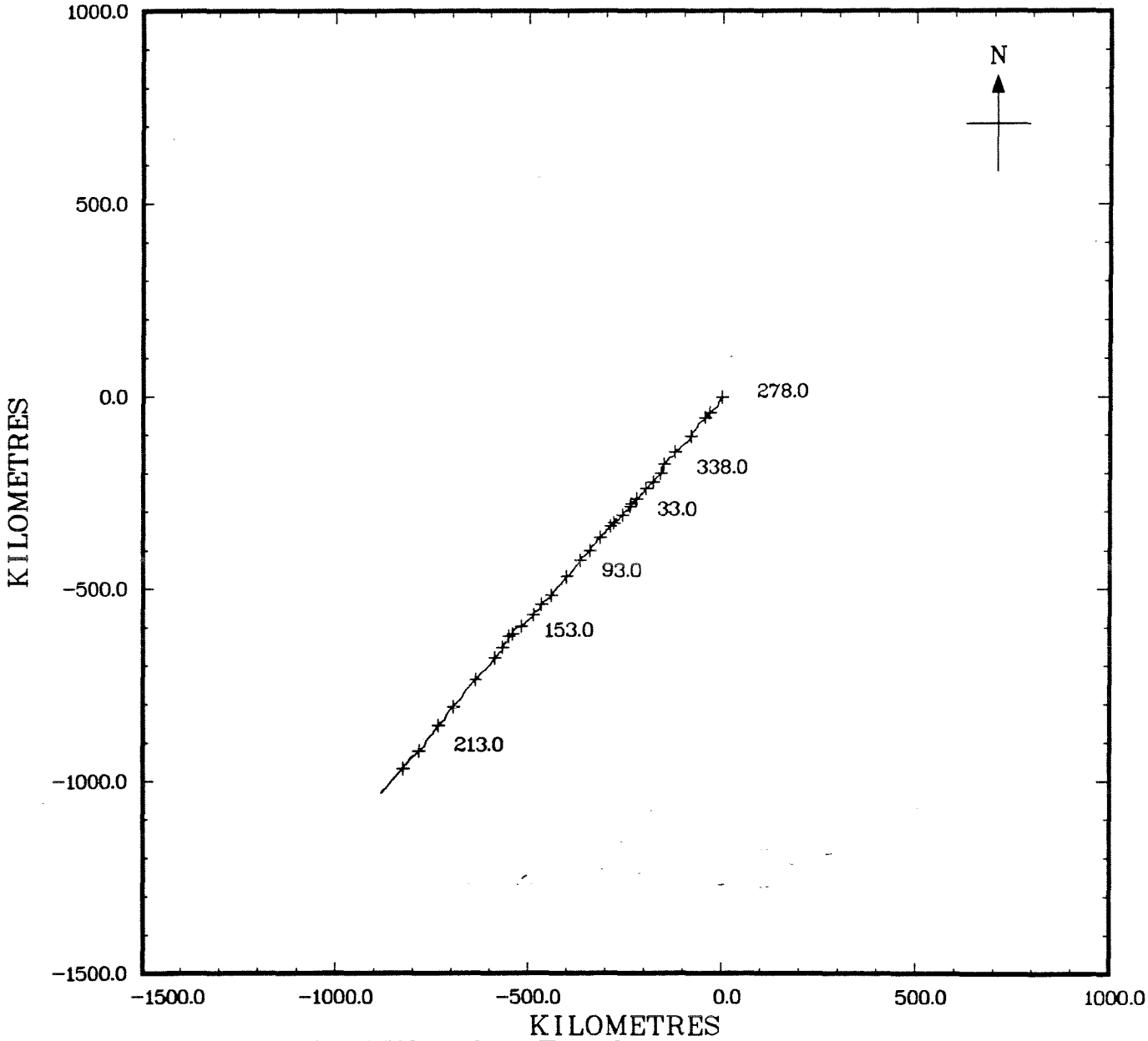
MOORING 701 AT 343M
NORTHERN BAFFIN BAY 1985/6



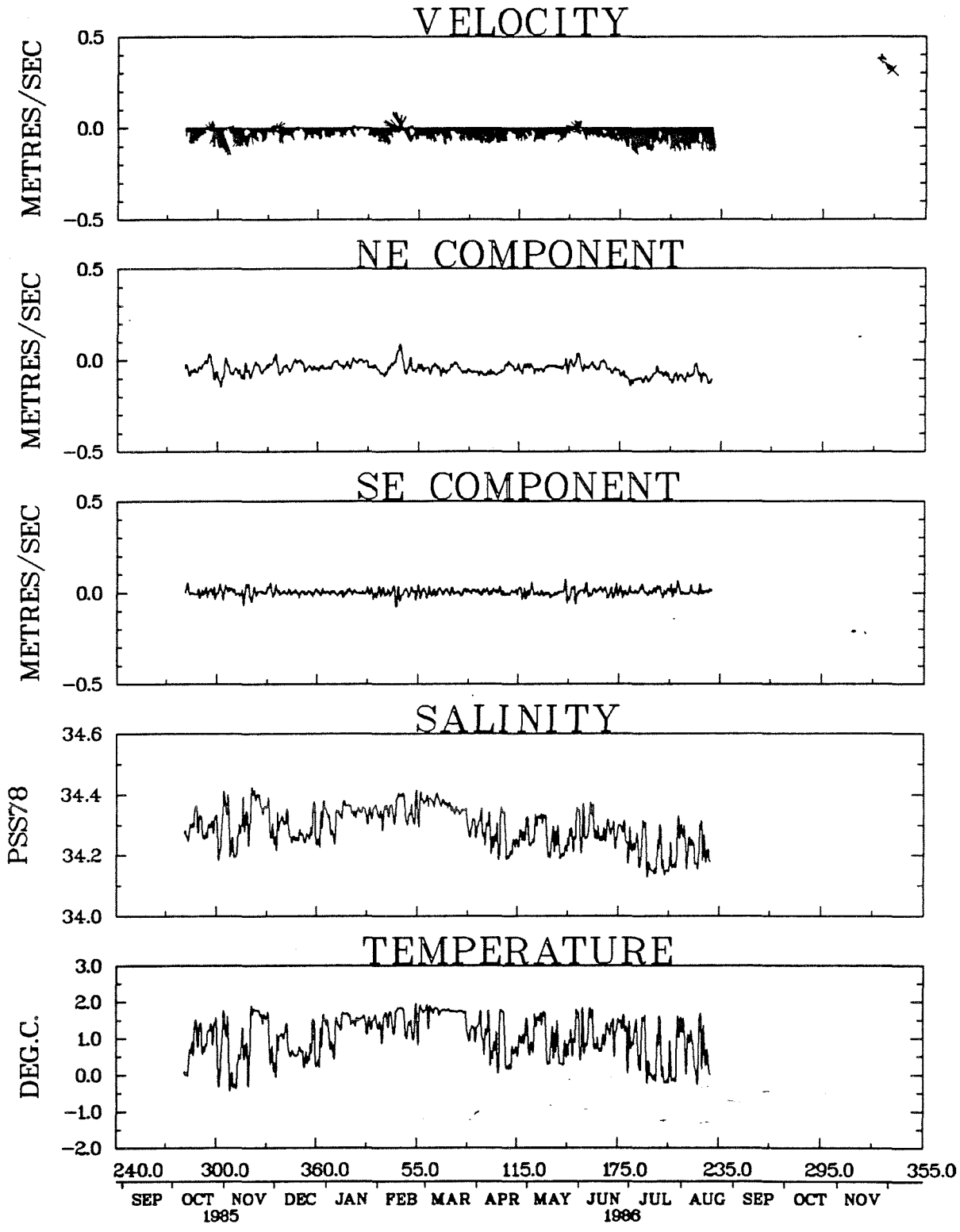
MOORING 701 AT 343M
NORTHERN BAFFIN BAY 1985/6



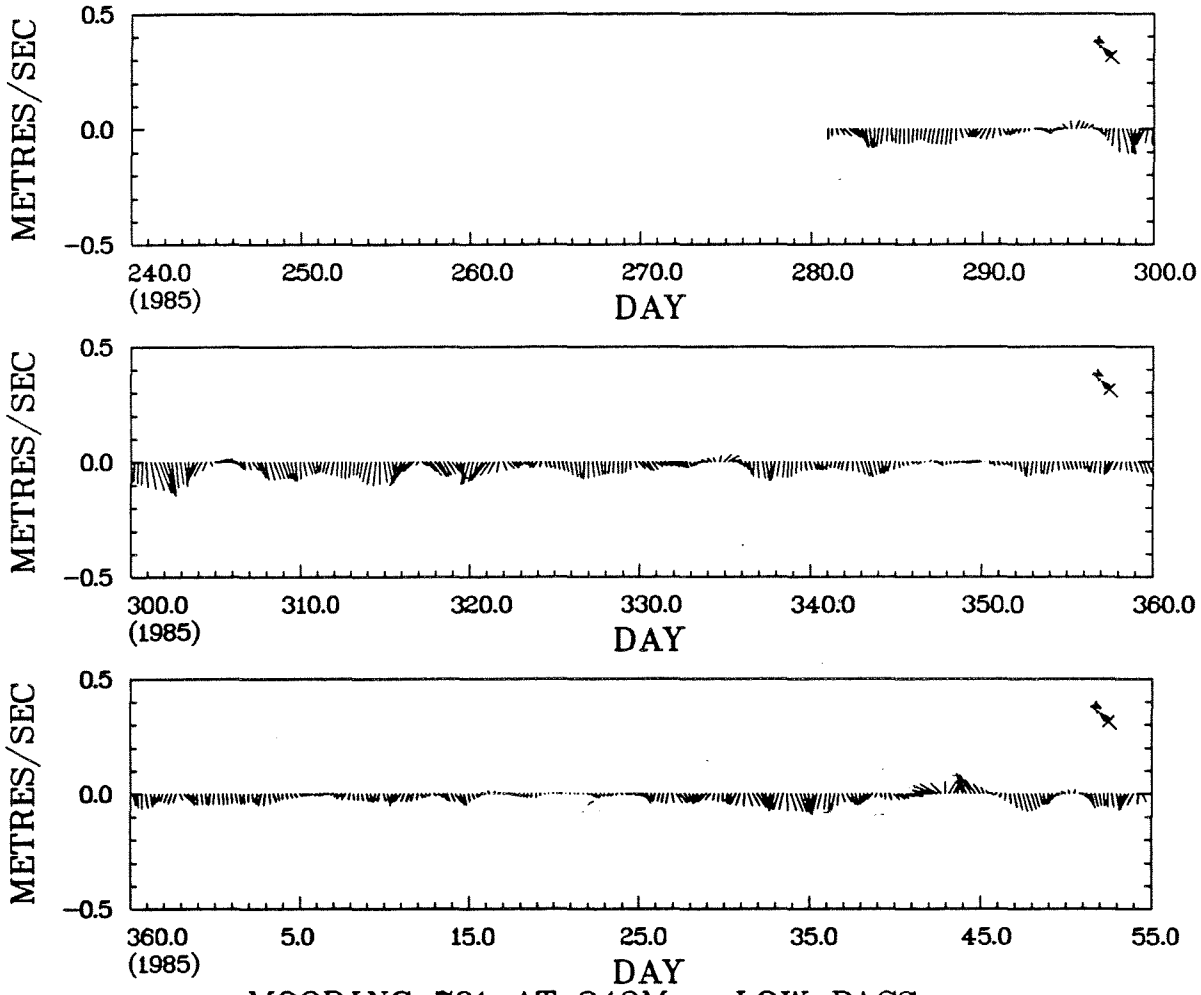
MOORING 701 AT 343M
NORTHERN BAFFIN BAY 1985/6



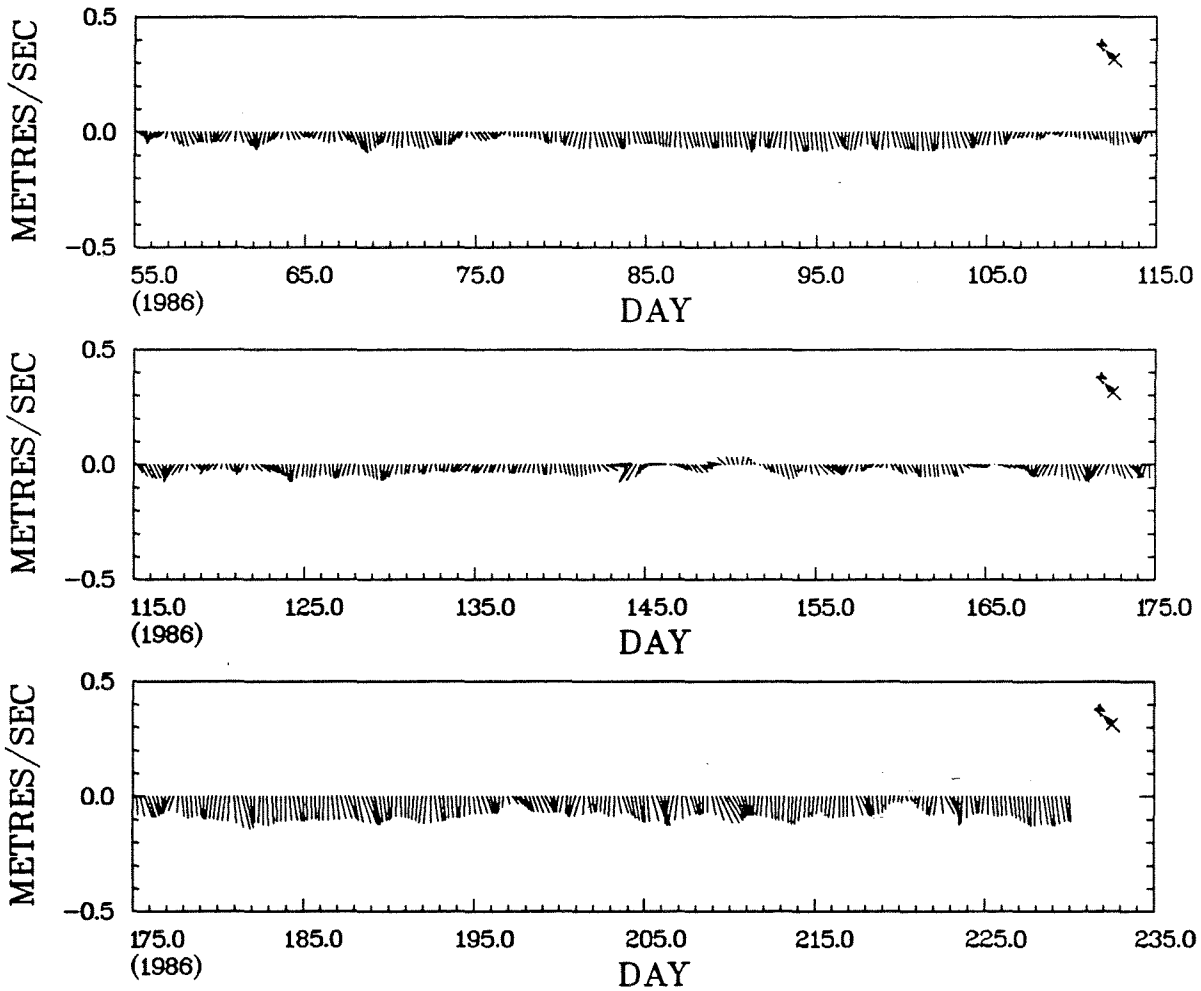
MOORING 701 AT 343M
NORTHERN BAFFIN BAY 1985/6



MOORING 701 AT 343M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 701 AT 343M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



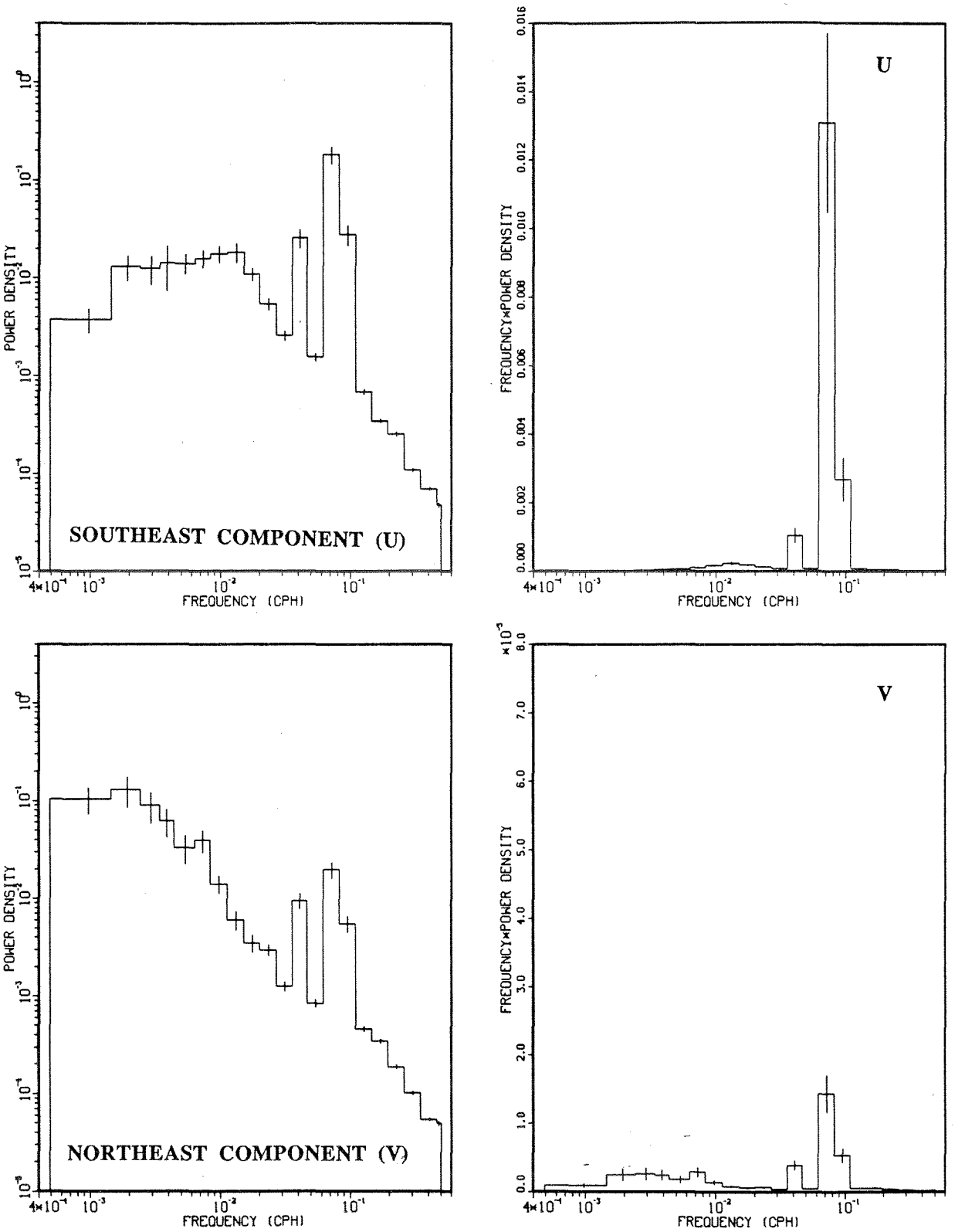
MOORING 701 AT 343M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 701
Depth 343 m

Tidal Analysis

320.2 d centred at day 072,1986

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	.018	.006	114	66	C	.009	285	.017	57
O1	.010	.006	109	9	C	.006	248	.010	358
P1	.006	.002	107	54	C	.003	283	.006	48
M2	.087	.024	315	43	C	.064	59	.064	208
S2	.034	.006	329	72	C	.029	78	.018	236
N2	.018	.006	324	6	C	.015	18	.012	162
K2	.010	.001	323	73	C	.008	79	.006	242
MF	.004	.000	41	232	A	.003	237	.002	226
M4	.001	.000	31	219	A	.001	230	.001	190
MS4	.001	.000	53	207	C	.001	204	.001	209



MOORING 701 AT 343M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 701
Depth 493 m

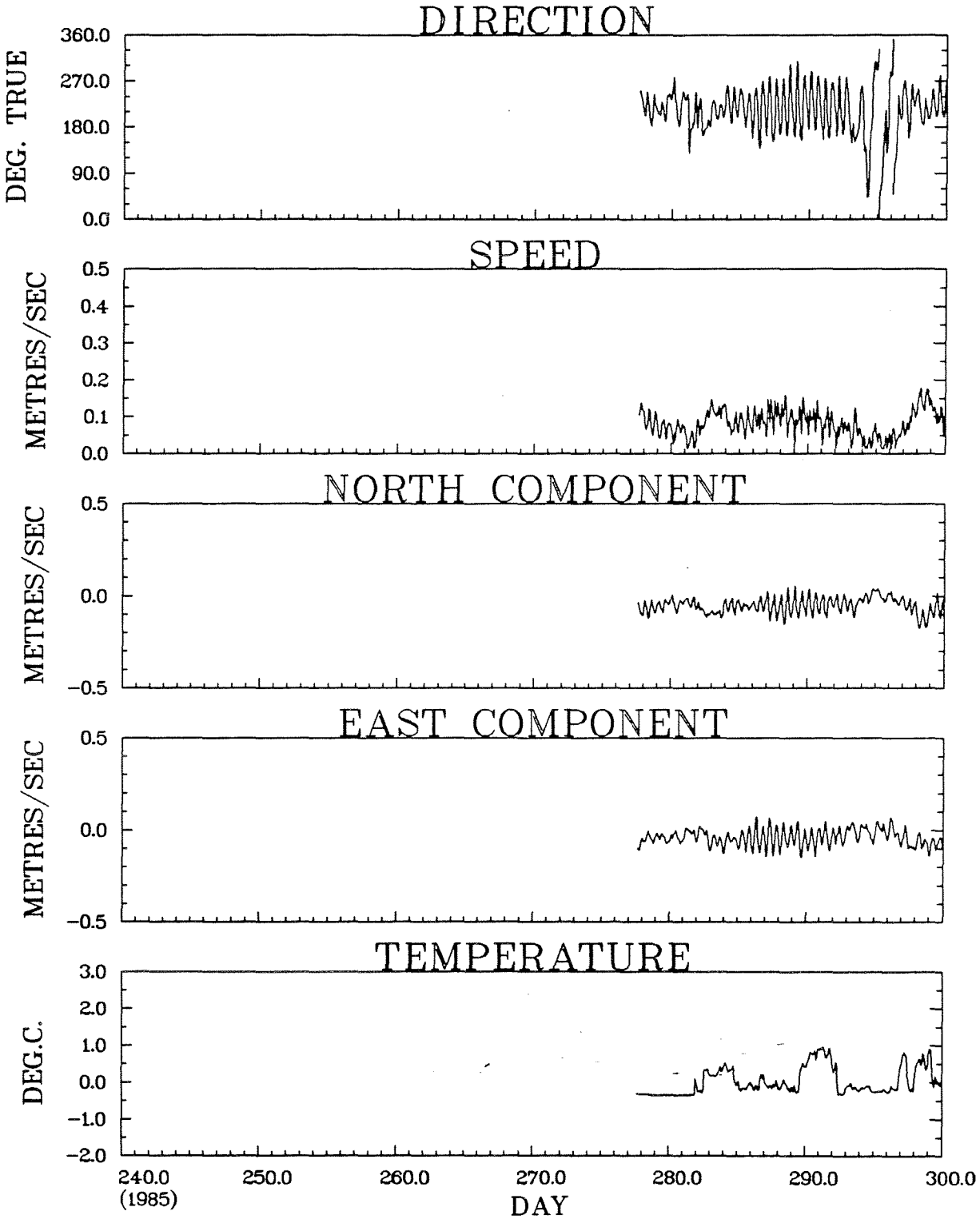
Latitude	75° 20.4N	Deployment	1353Z 4 Oct., 1985
Longitude	74° 21.8W	Recovery	1949Z 20 Aug., 1986
Water Depth	533 m	Duration	320 d

RECORD LENGTH STATISTICS

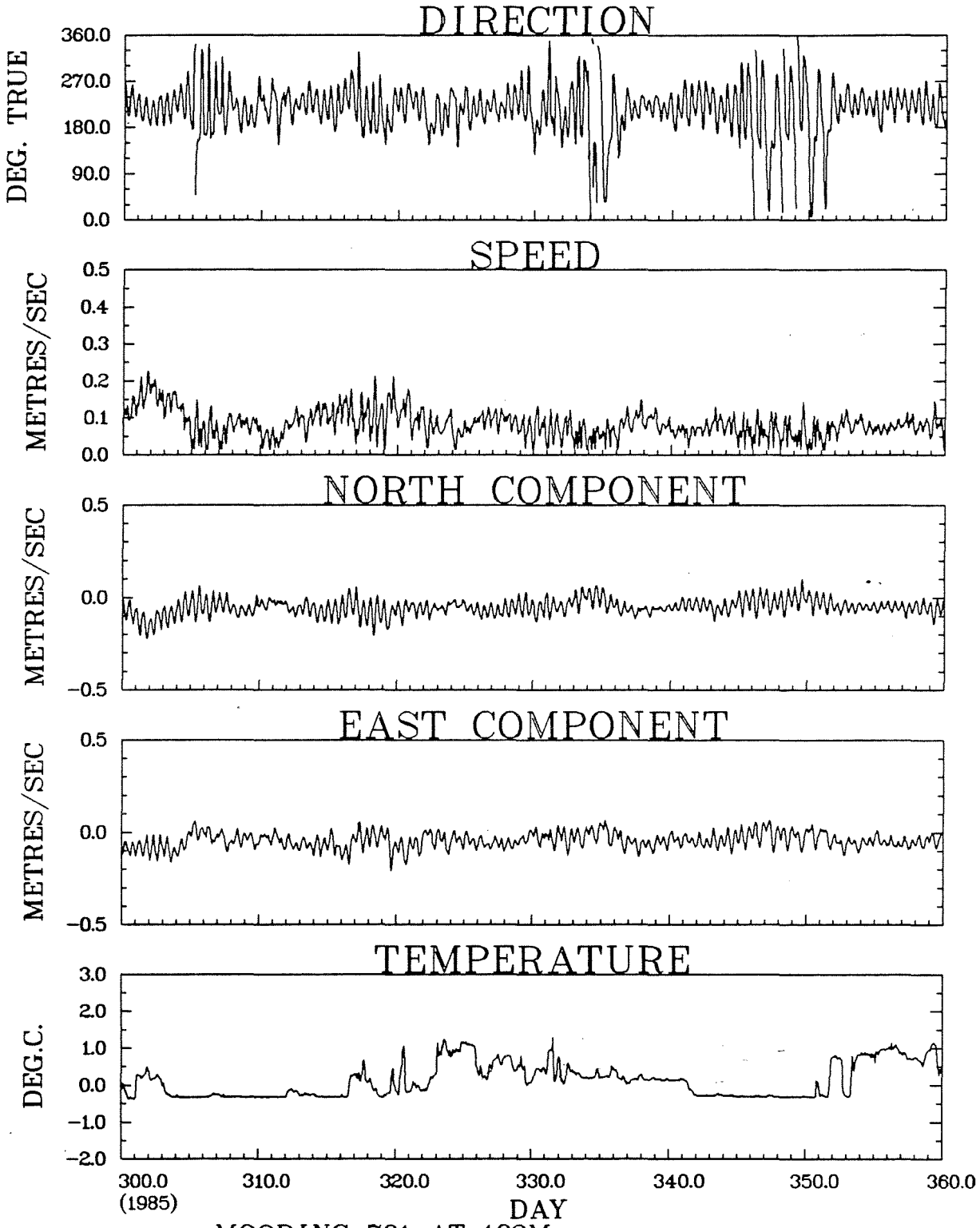
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7685	519	521	519	0.1
Temperature (T)	°C	7685	-0.38	1.49	0.45	0.48
Salinity (S)	PSS78	7674	34.14	34.54	34.36	0.06
Speed (R)	$m.s^{-1}$	7685	0.015	0.227	0.079	0.035
Northeast Component (V)	$m.s^{-1}$	7685	-.206	0.138	-.062	0.039
Southeast Component (U)	$m.s^{-1}$	7685	-.171	0.175	0.005	0.046

MONTHLY MEANS

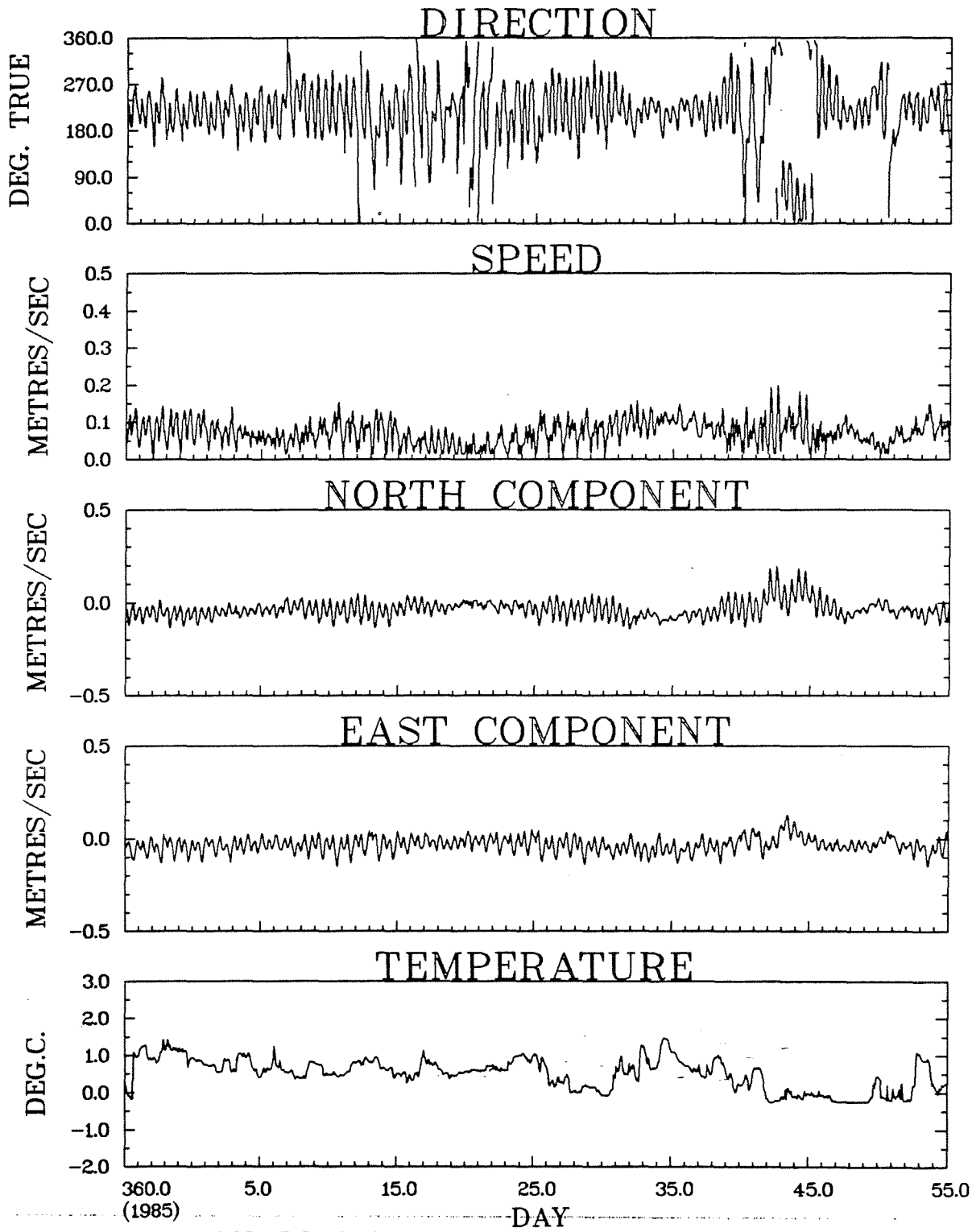
	Samples	T	S	R	V	U
October	657	1.05±0.36	34.38±0.04	0.093±.042	-.076±.046	0.008±.051
November	720	1.18±0.45	34.39±0.04	0.083±.036	-.067±.037	0.007±.048
December	744	0.32±0.55	34.38±0.05	0.076±.028	-.060±.035	0.004±.042
January	744	0.58±0.26	34.39±0.03	0.064±.031	-.046±.031	0.002±.044
February	672	0.37±0.47	34.37±0.05	0.081±.034	-.048±.052	0.002±.052
March	744	0.75±0.44	34.39±0.05	0.078±.028	-.064±.026	0.005±.046
April	720	0.23±0.21	34.33±0.03	0.078±.031	-.064±.031	0.006±.044
May	744	0.49±0.20	34.34±0.03	0.057±.030	-.036±.032	0.001±.042
June	720	1.00±0.24	34.39±0.03	0.071±.038	-.057±.037	0.006±.044
July	744	0.39±0.51	34.30±0.06	0.096±.035	-.086±.033	0.009±.042
August	476	0.66±0.51	34.29±0.06	0.097±.032	-.084±.032	0.007±.048



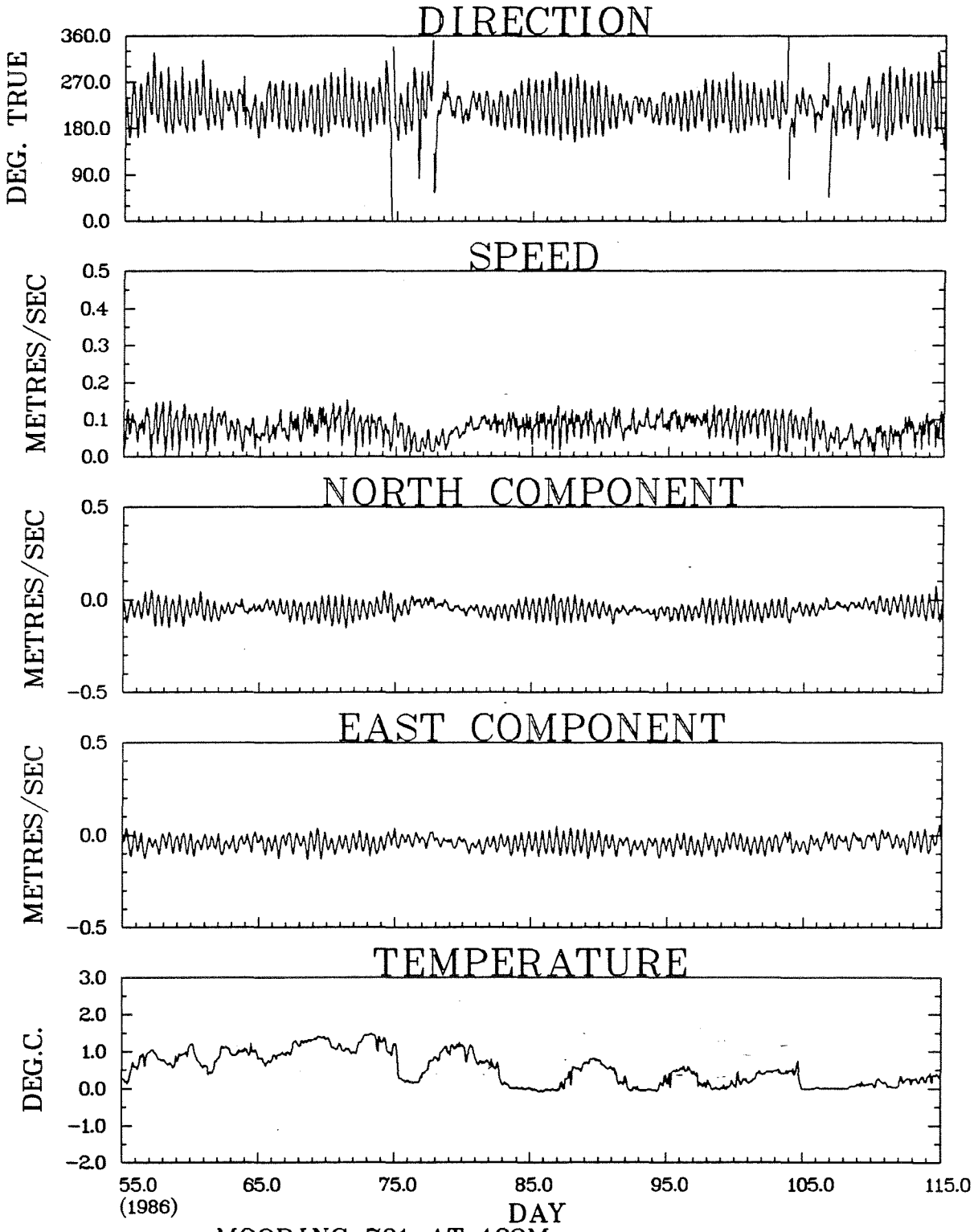
MOORING 701 AT 493M
NORTHERN BAFFIN BAY 1985/6



MOORING 701 AT 493M
NORTHERN BAFFIN BAY 1985/6



MOORING 701 AT 493M
NORTHERN BAFFIN BAY 1985/6



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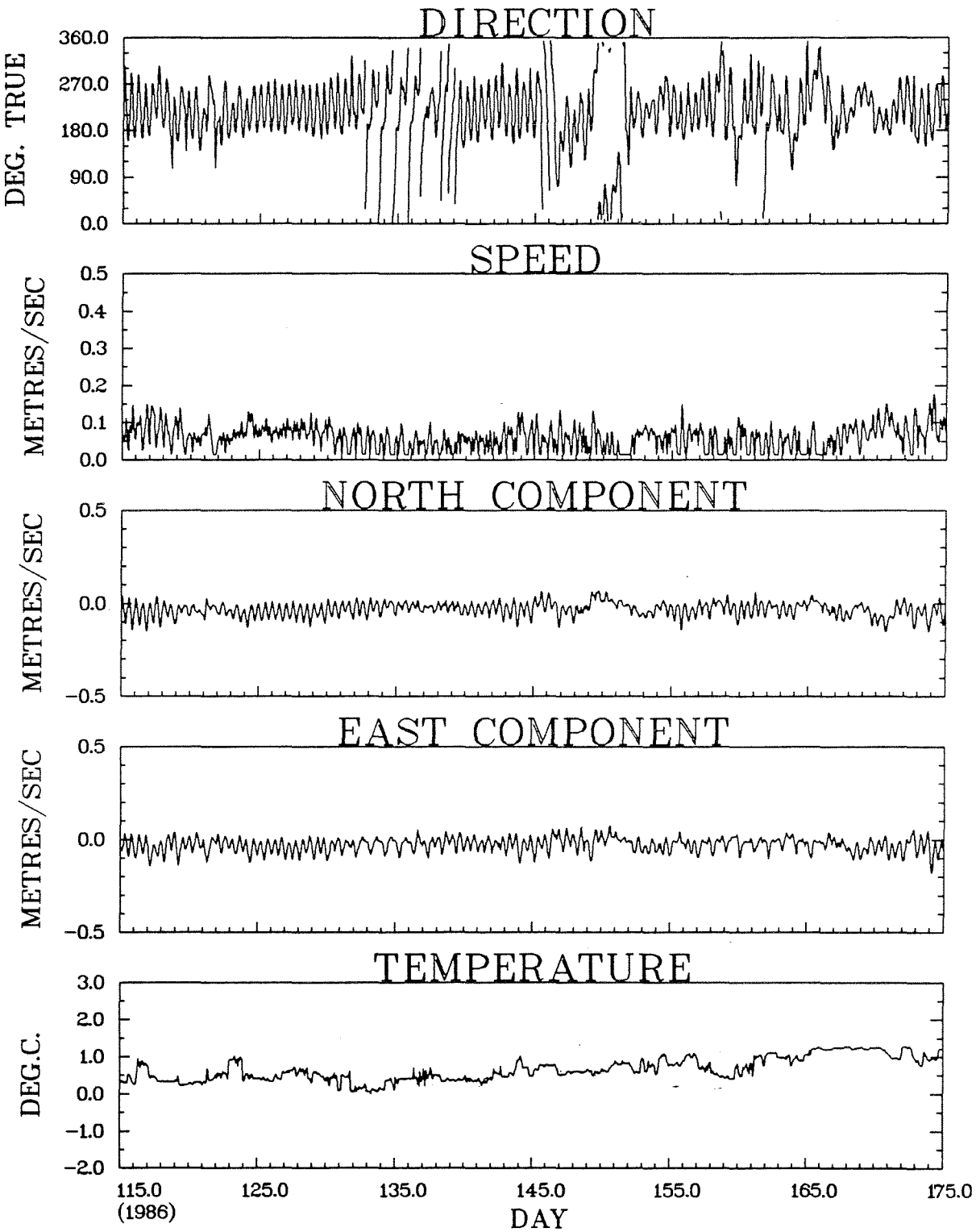
NORTHERN BAFFIN BAY 1985/6



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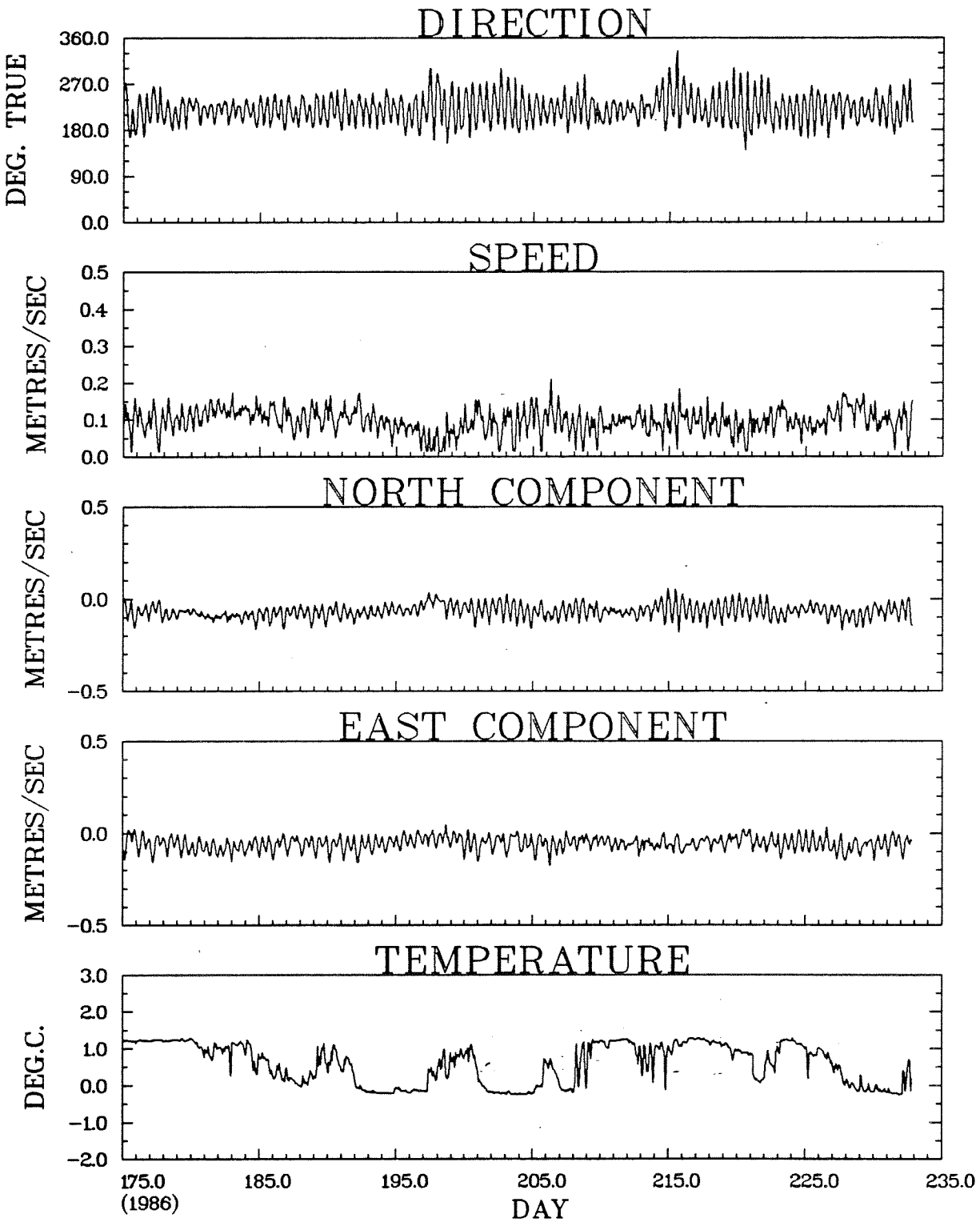

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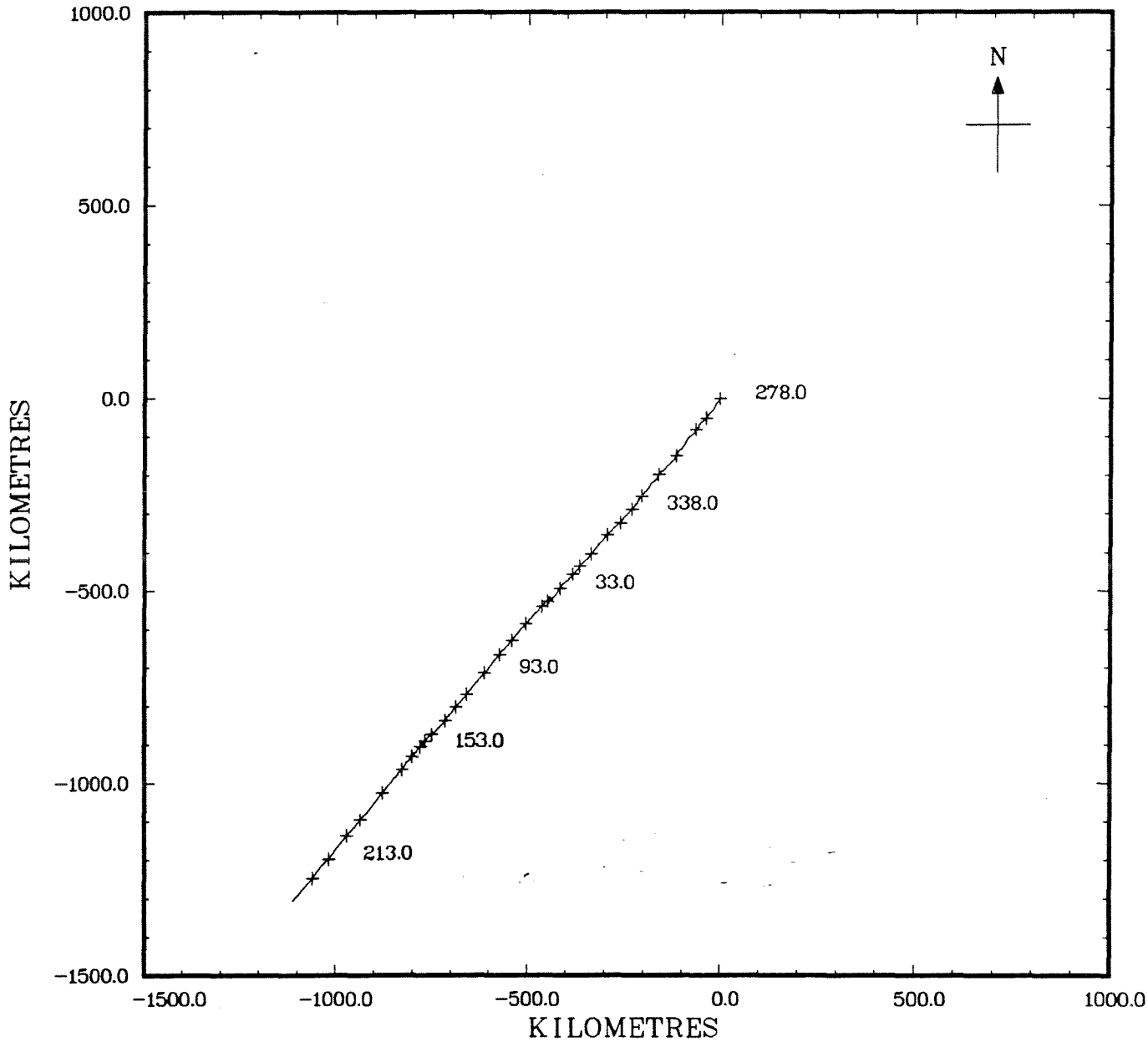

MOORING 701 AT 493M
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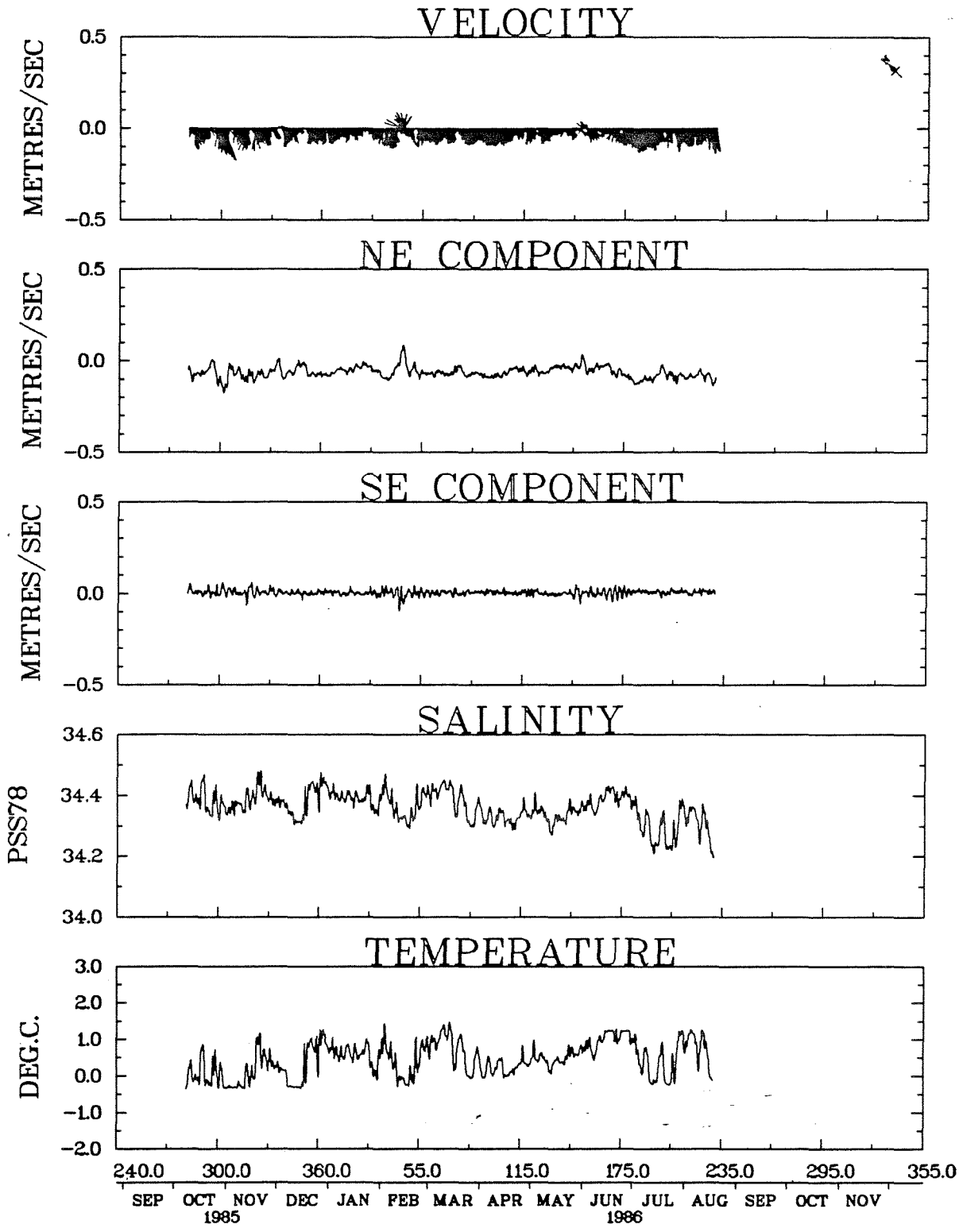
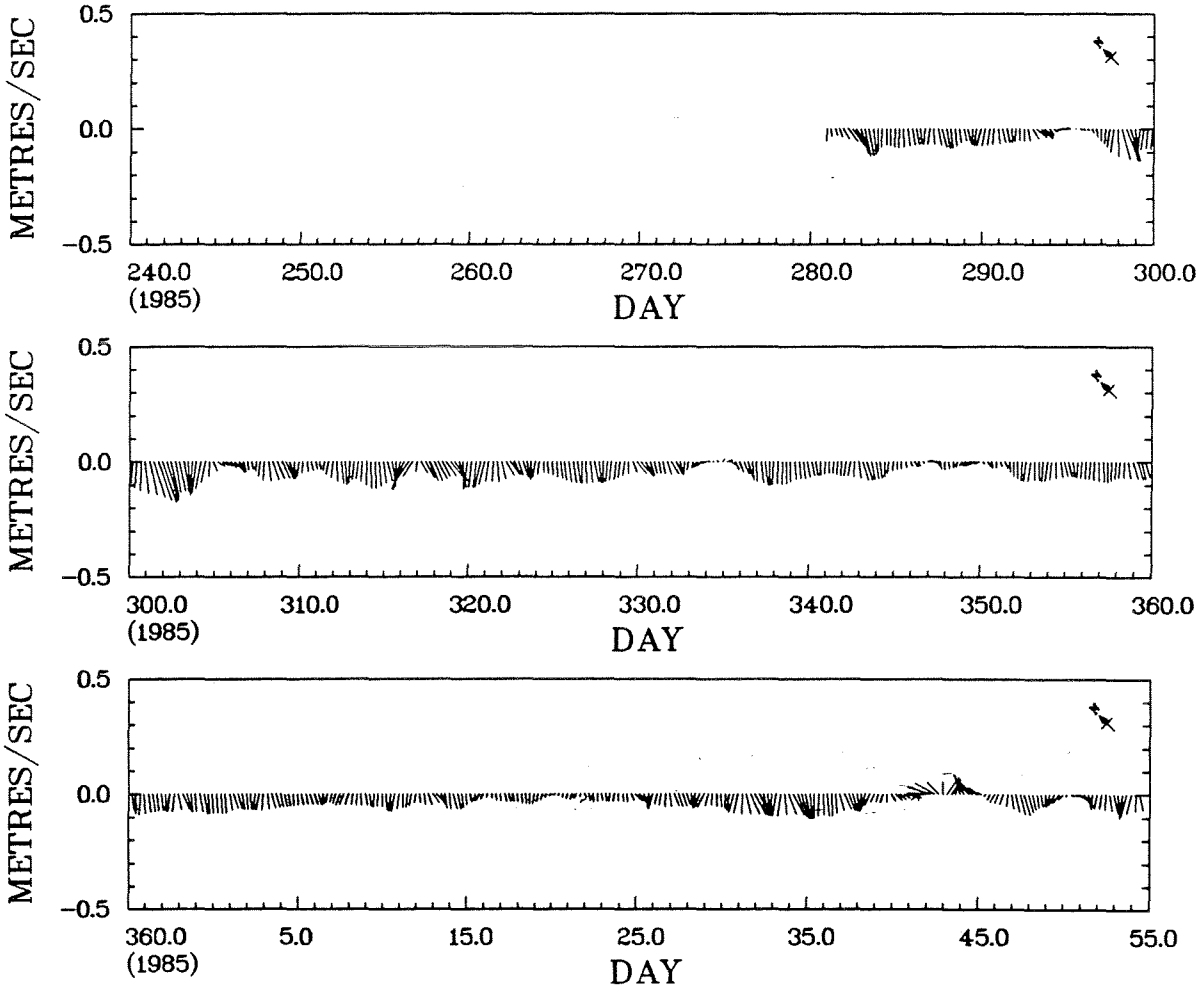
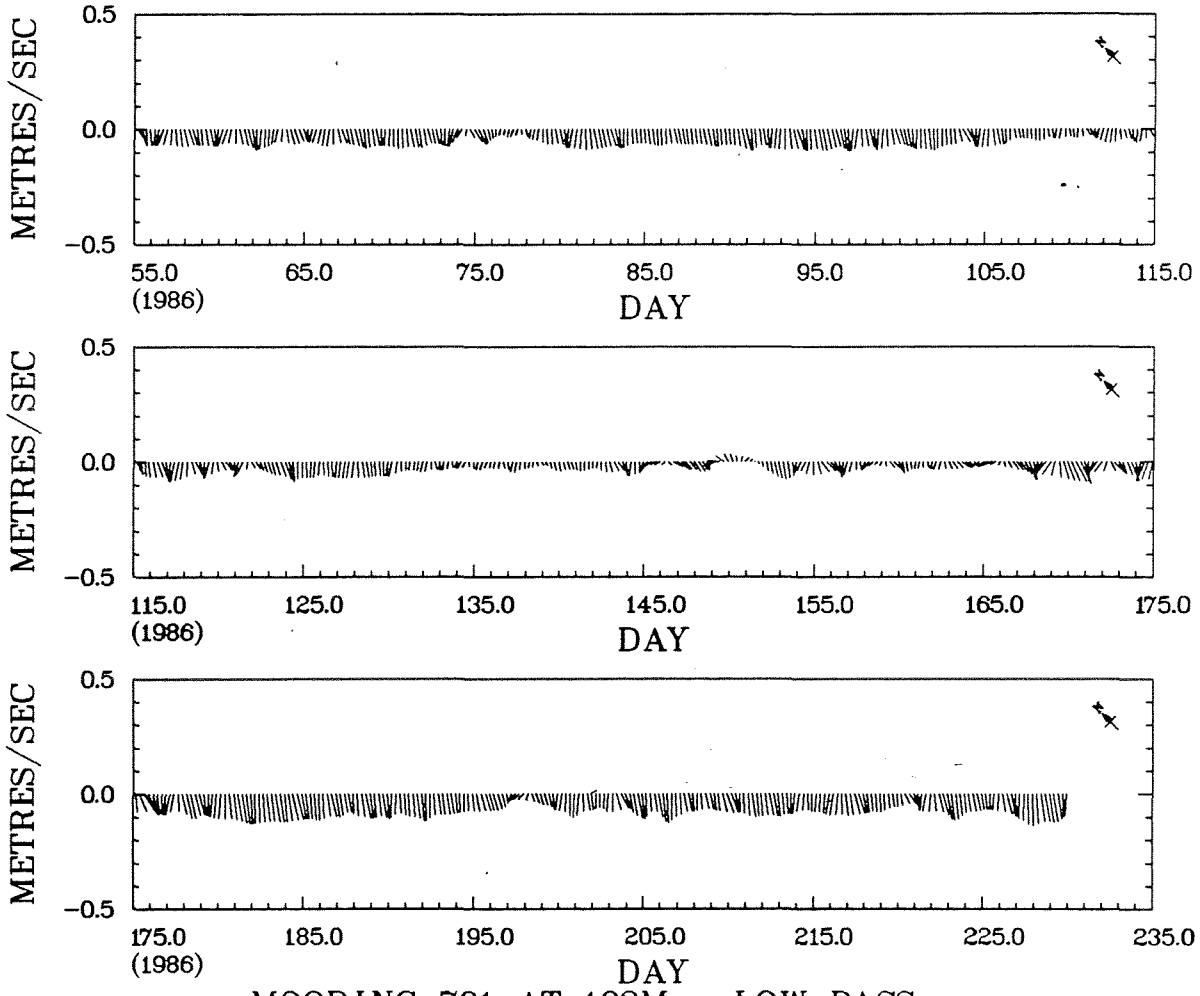


MOORING 701 AT 493M – LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 701 AT 493M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



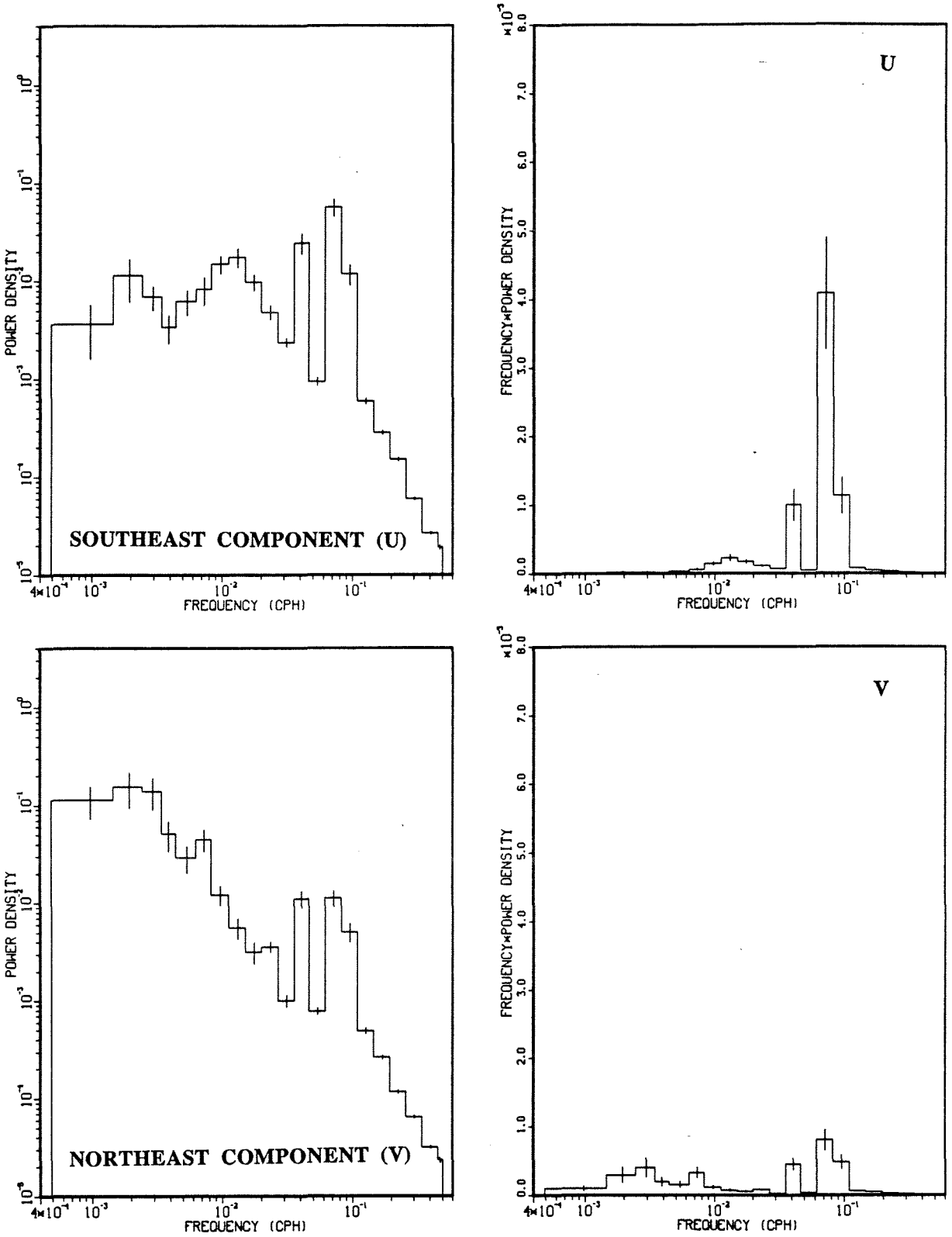
MOORING 701 AT 493M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 701
Depth 493 m

Tidal Analysis

320.2 d centred at day 072,1986

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	.006	109	67	C	.009	292	.018	61
O1	.010	.005	99	11	C	.005	265	.010	7
P1	.006	.003	113	71	C	.003	293	.006	62
M2	.048	.019	316	44	A	.037	23	.036	247
S2	.024	.006	344	59	A	.023	55	.009	278
N2	.011	.004	123	207	A	.006	0	.009	219
K2	.006	.003	327	73	A	.006	58	.004	285
MF	.004	.001	47	231	A	.003	240	.003	224
M4	.001	.001	338	315	A	.001	297	.001	198
MS4	.001	.000	40	191	A	.001	200	.001	179



MOORING 701 AT 493M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 702
Depth 229 m

Latitude	76° 00.7N	Deployment	1829Z 3 Oct., 1985
Longitude	76° 04.7W	Recovery	1353Z 21 Aug., 1986
Water Depth	314 m	Duration	321 d

RECORD LENGTH STATISTICS

Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7722	235	237	236	0.2
Temperature (T)	°C	7722	-1.83	0.65	-0.59	0.44
Salinity (S)	PSS78	7365	33.32	34.20	33.93	0.13
Speed (R)	$m.s^{-1}$	7722	0.015	0.406	0.102	0.056
Northeast Component (V)	$m.s^{-1}$	7722	-.320	0.216	-.029	0.065
Southeast Component (U)	$m.s^{-1}$	7722	-.323	0.362	0.015	0.090

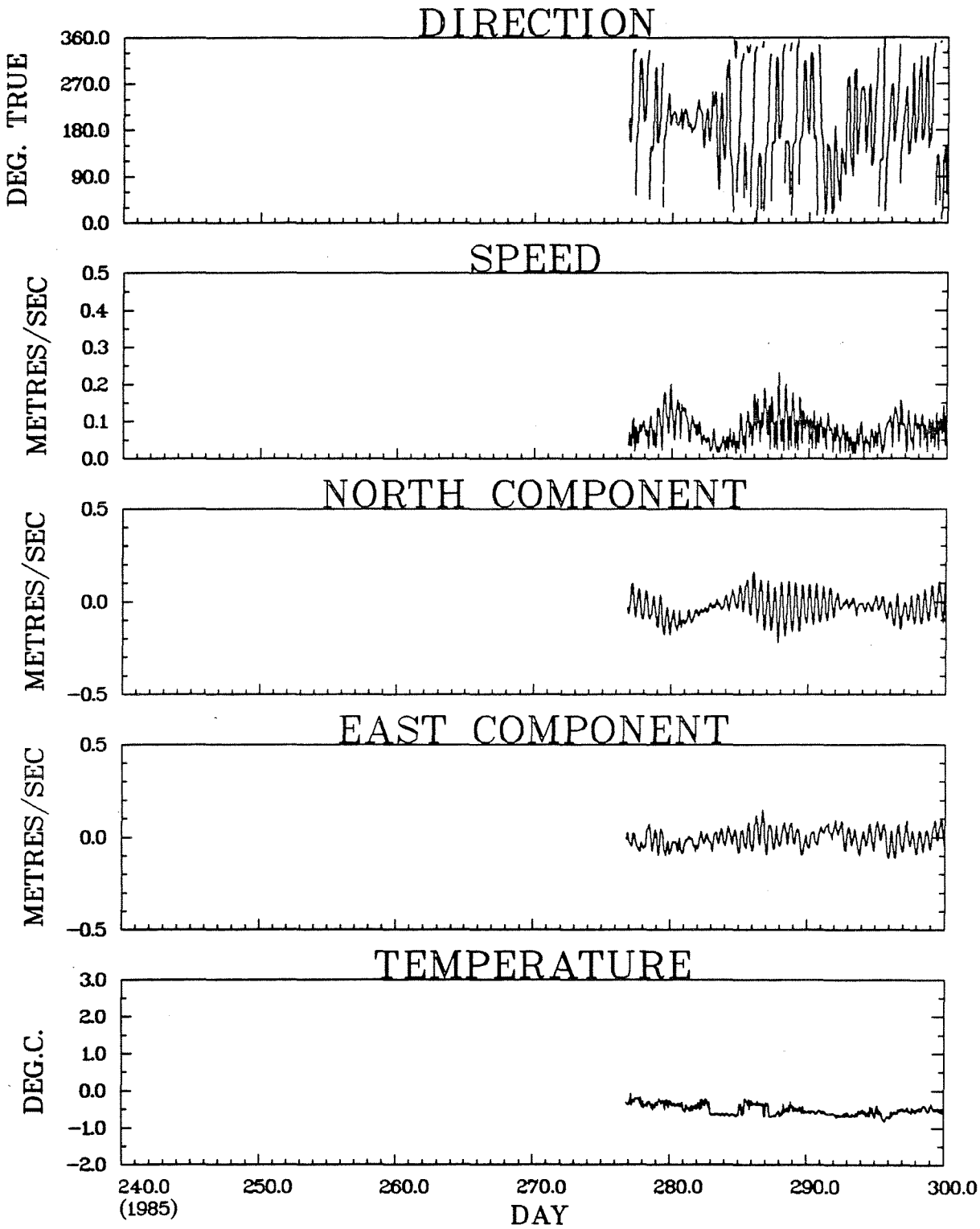
MONTHLY MEANS

	Samples	T	S	R	V	U
October	676	-0.53±0.13	34.05±0.05	0.080±.039	-.023±.048	0.015±.069
November	720	-0.70±0.25	33.94±0.14	0.101±.071	-.050±.067	0.023±.088
December	744	-0.51±0.47	33.84±0.15	0.094±.052	-.024±.062	0.019±.083
January	744	-0.57±0.43	33.86±0.12	0.094±.049	-.030±.055	0.026±.084
February	672	-0.63±0.57	33.89±0.11	0.119±.062	-.049±.081	0.016±.094
March	744	-1.02±0.37	33.83±0.07	0.120±.056	-.064±.051	0.036±.097
April	720	-0.76±0.37	33.91±0.05	0.110±.057	-.037±.056	0.019±.103
May	744	-0.60±0.26	33.94±0.05	0.100±.053	-.019±.063	0.022±.090
June	720[a]	-0.72±0.52	33.88±0.11	0.112±.059	-.020±.078	-.002±.098
July	744[b]	-0.14±0.20	34.06±0.04	0.088±.042	0.004±.056	-.019±.078
August	494	-0.18±0.08	34.04±0.04	0.103±.050	-.003±.060	0.005±.098

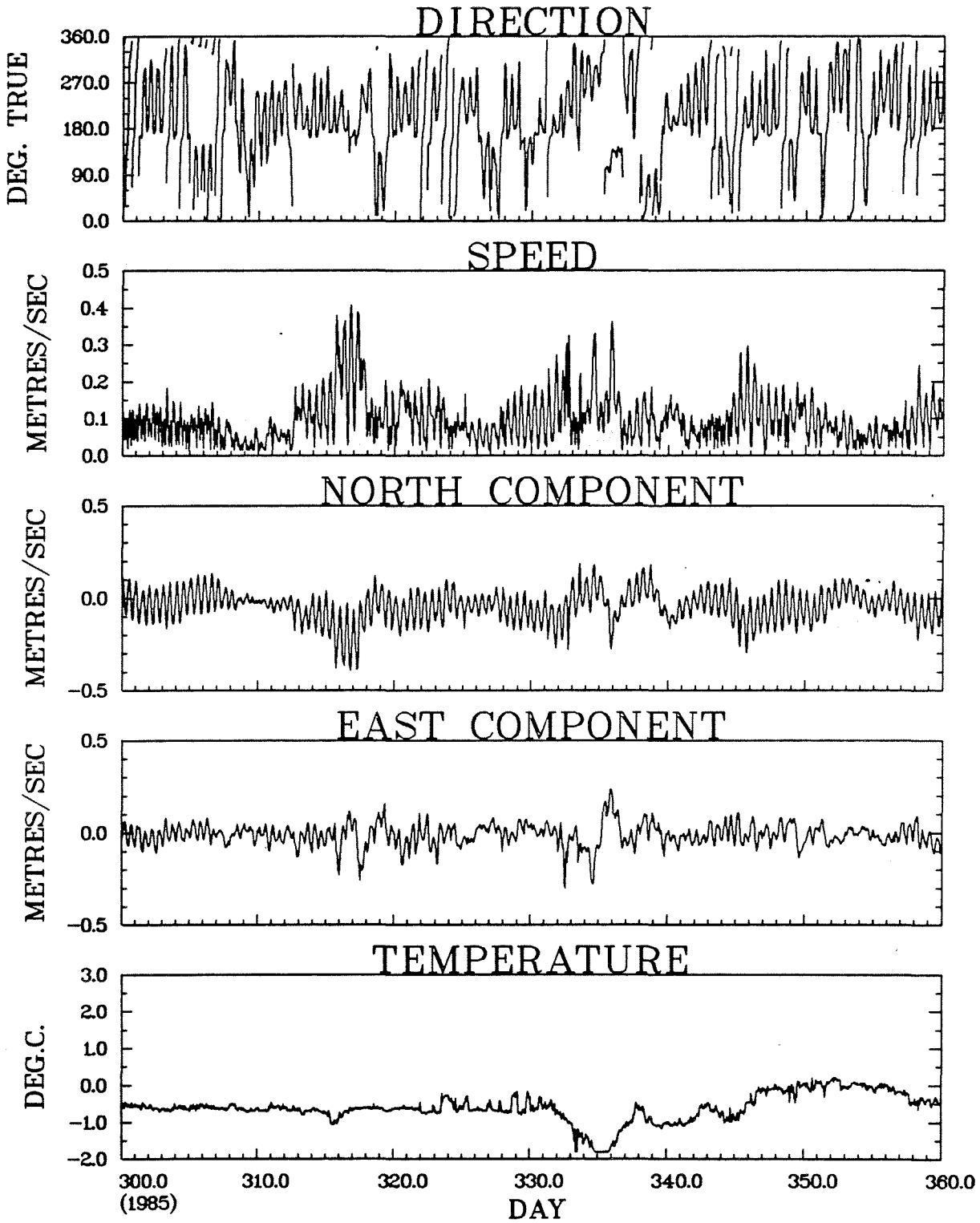
Notes

[a] only 442 samples for salinity

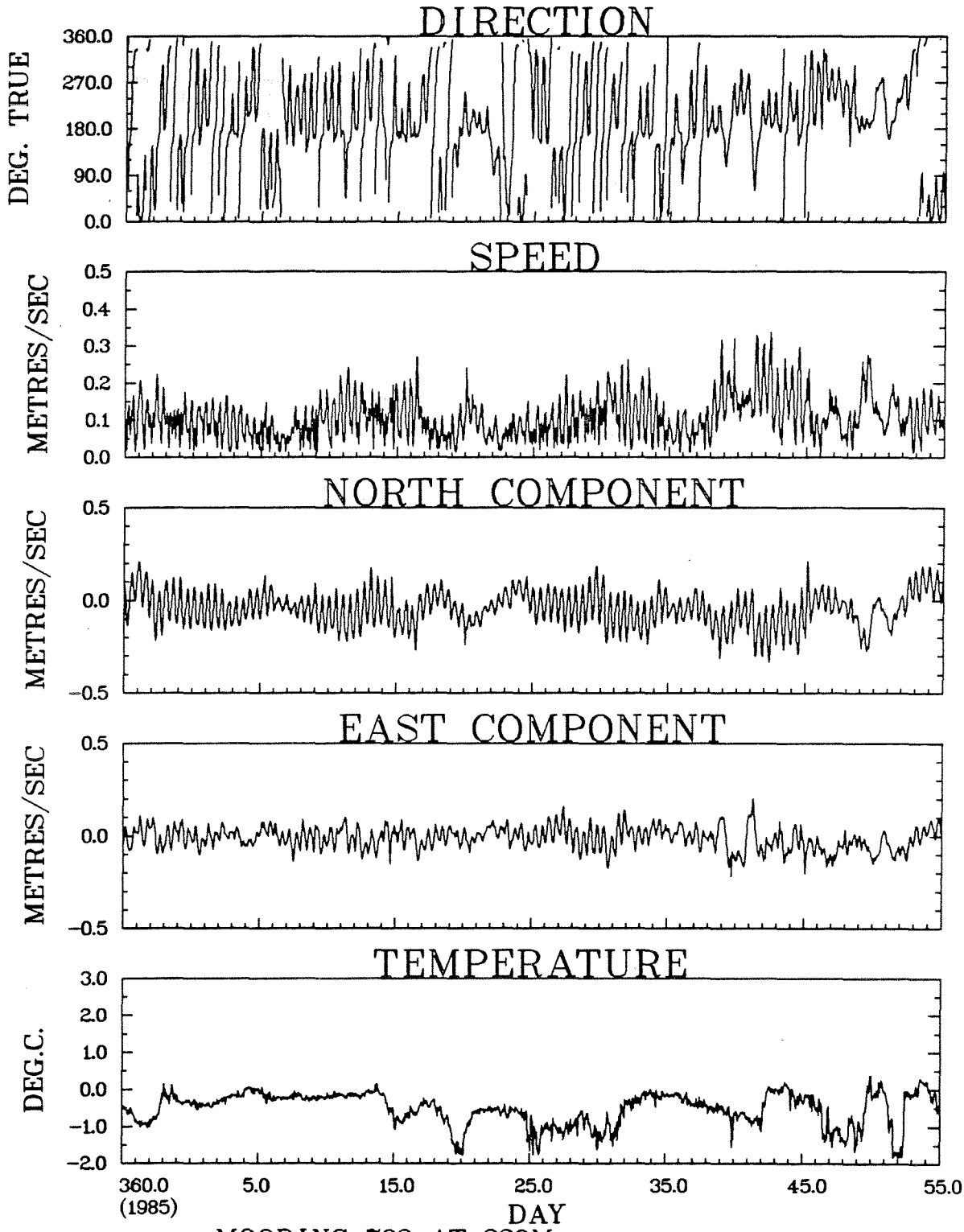
[b] only 673 samples for salinity



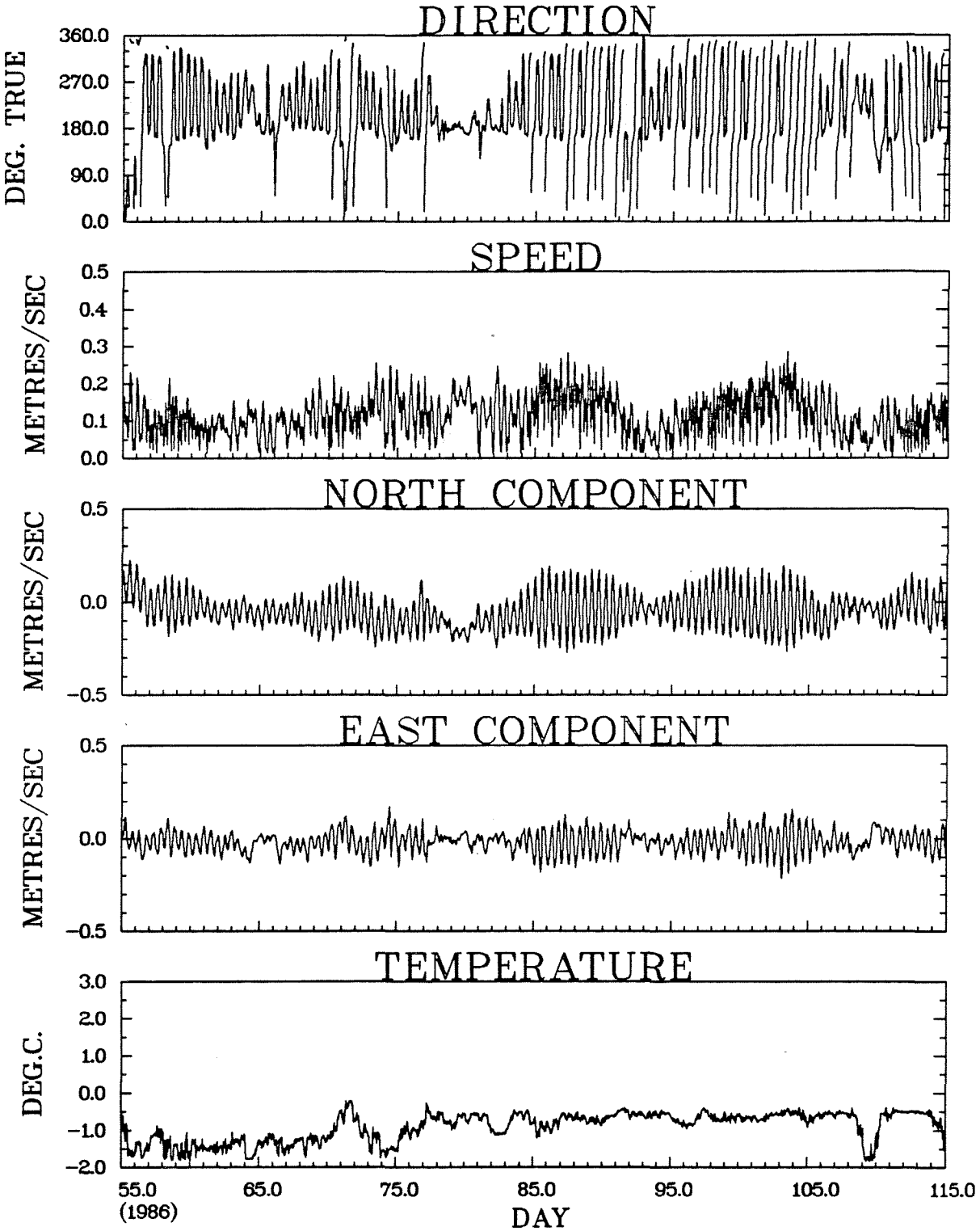
MOORING 702 AT 229M
NORTHERN BAFFIN BAY 1985/3



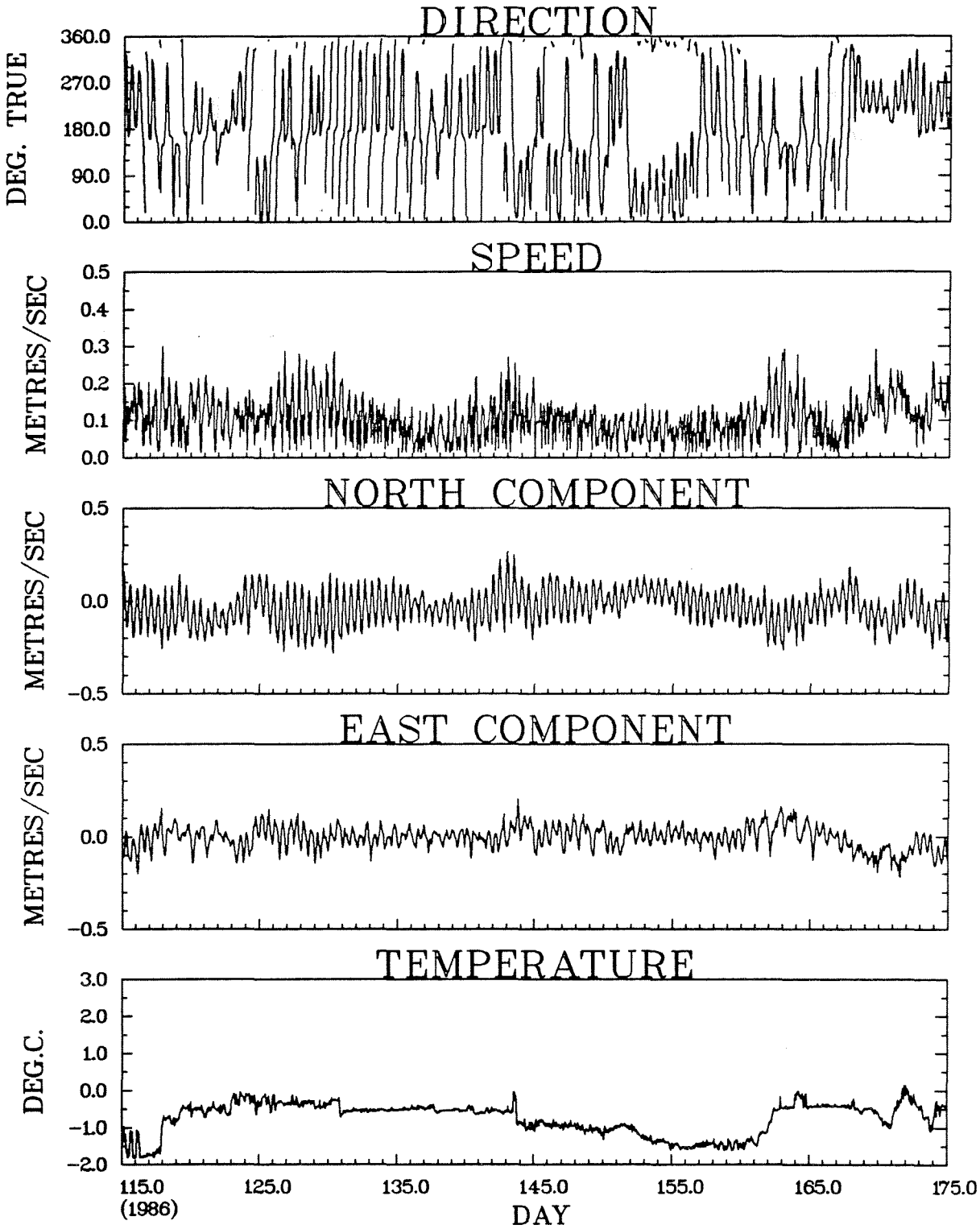
MOORING 702 AT 229M
NORTHERN BAFFIN BAY 1985/6



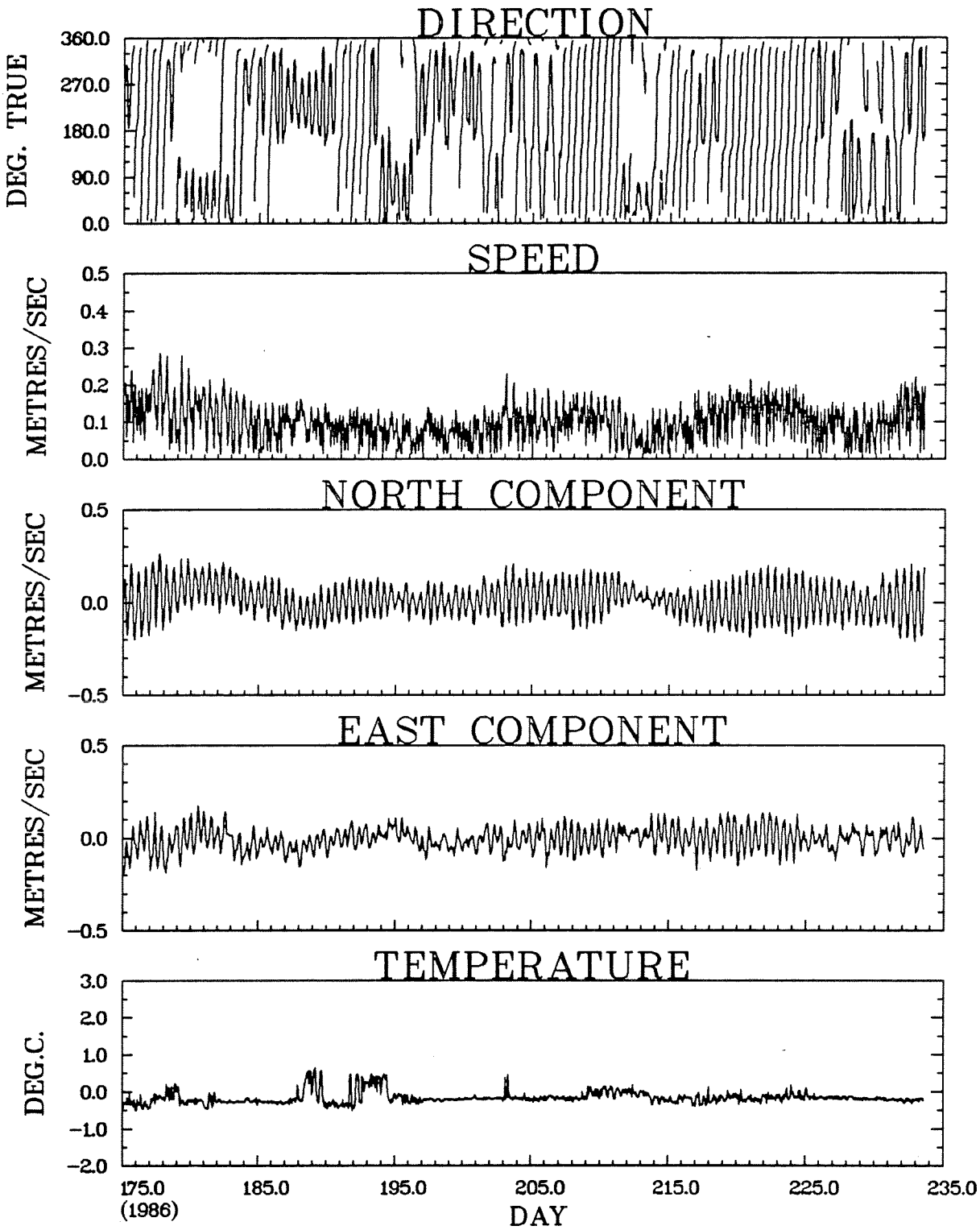
MOORING 702 AT 229M
NORTHERN BAFFIN BAY 1985/6



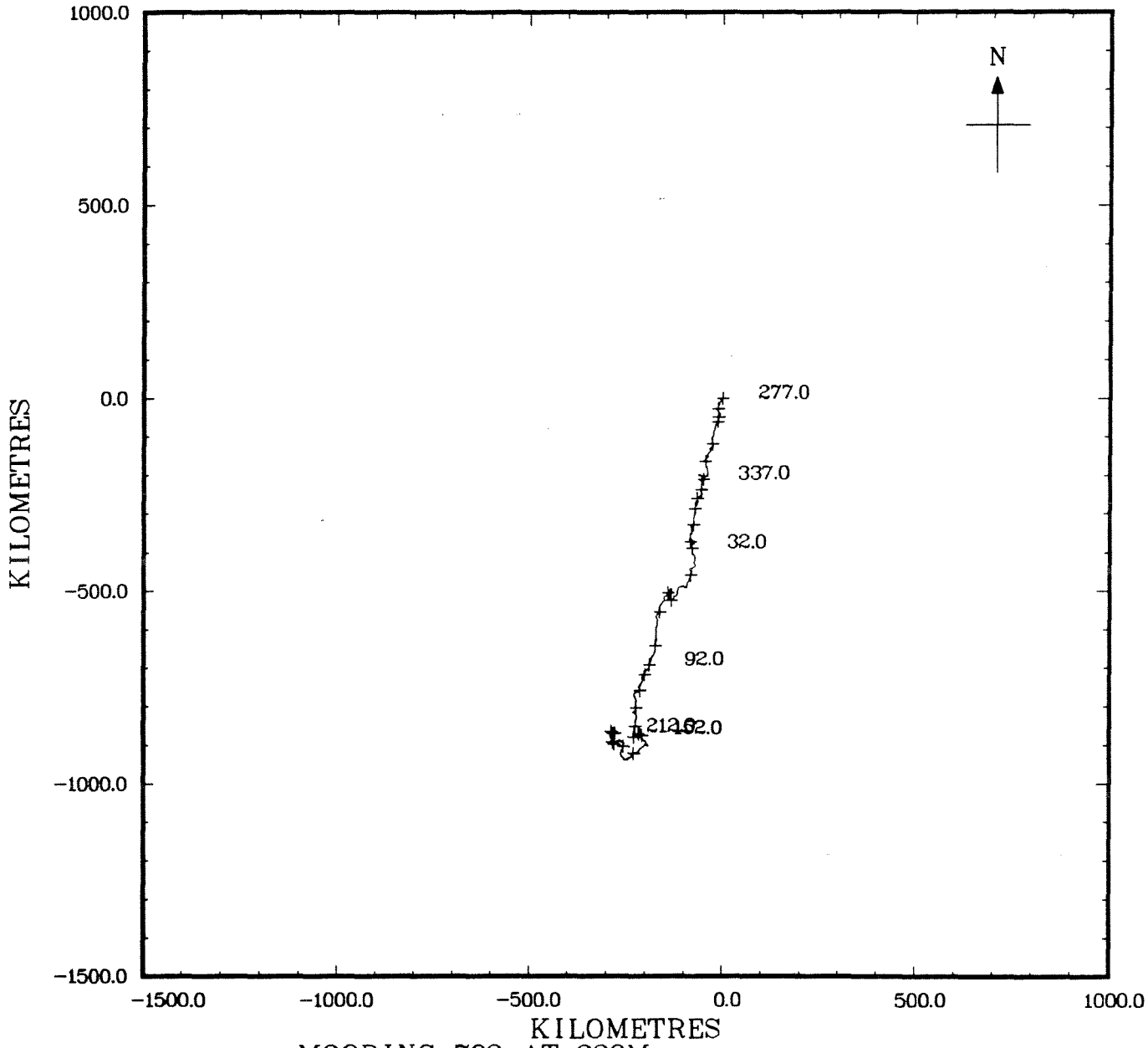
MOORING 702 AT 229M
NORTHERN BAFFIN BAY 1985/6



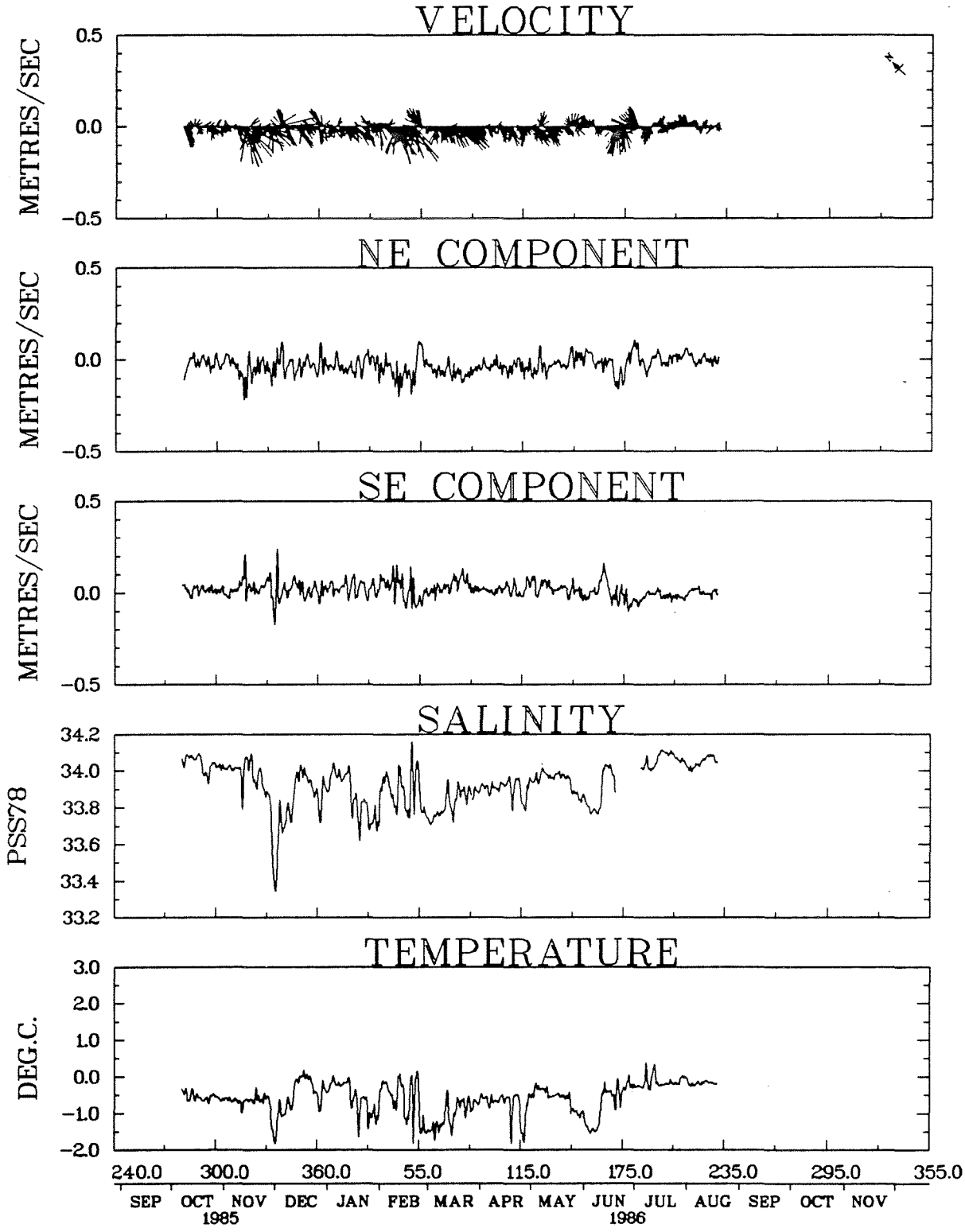
MOORING 702 AT 229M
NORTHERN BAFFIN BAY 1985/6



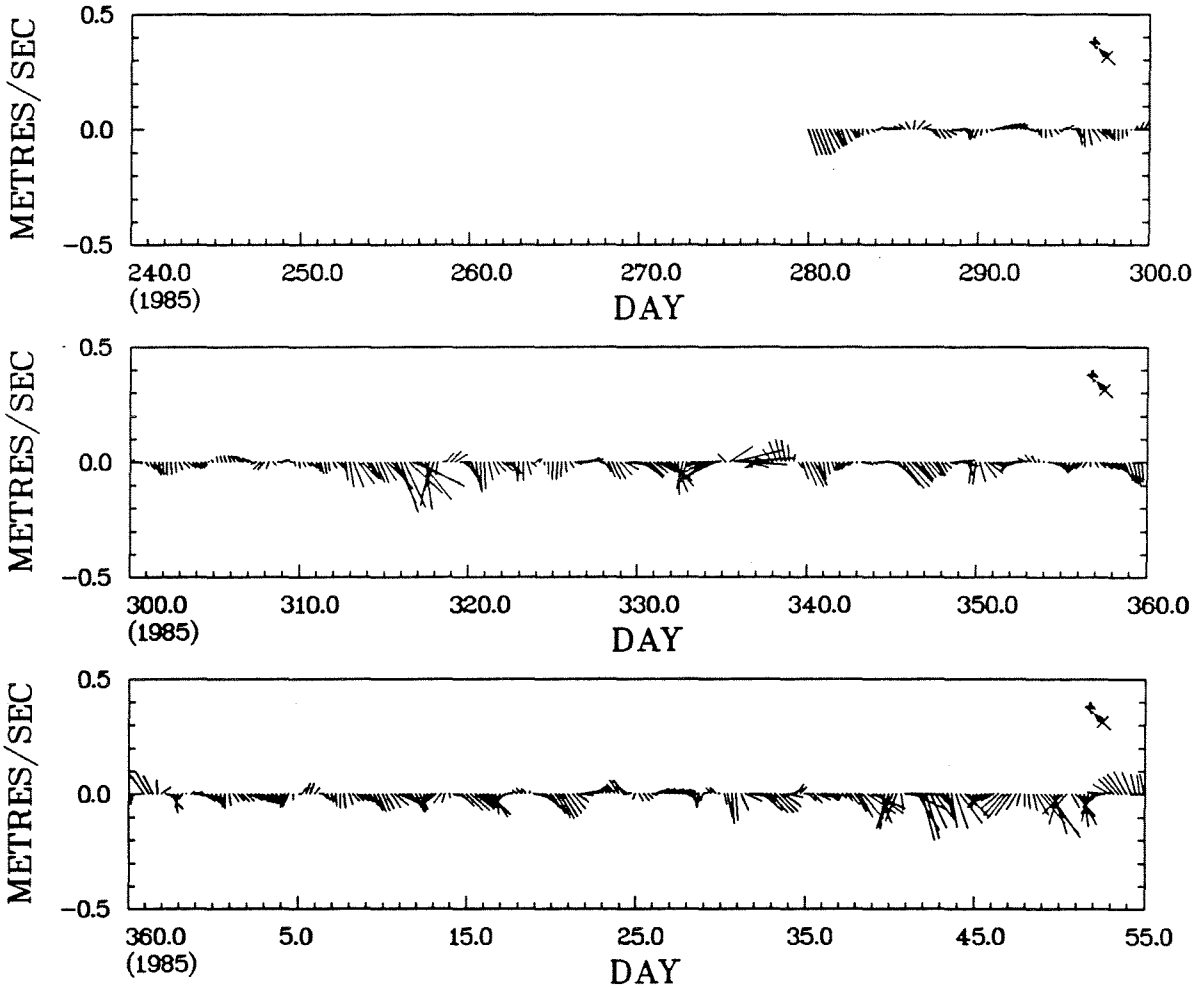
MOORING 702 AT 229M
NORTHERN BAFFIN BAY 1985/6



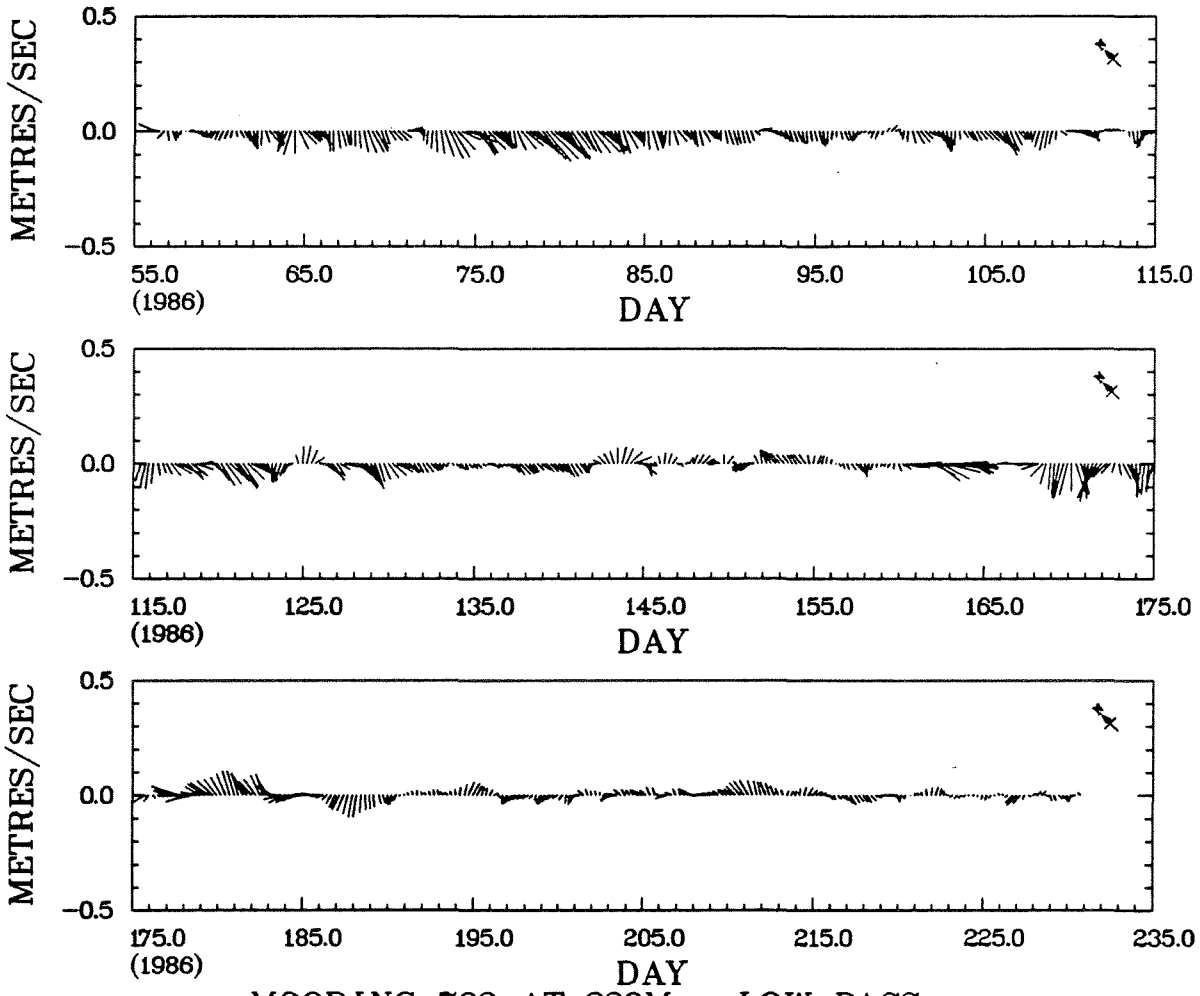
MOORING 702 AT 229M
NORTHERN BAFFIN BAY 1985/6



MOORING 702 AT 229M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 702 AT 229M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



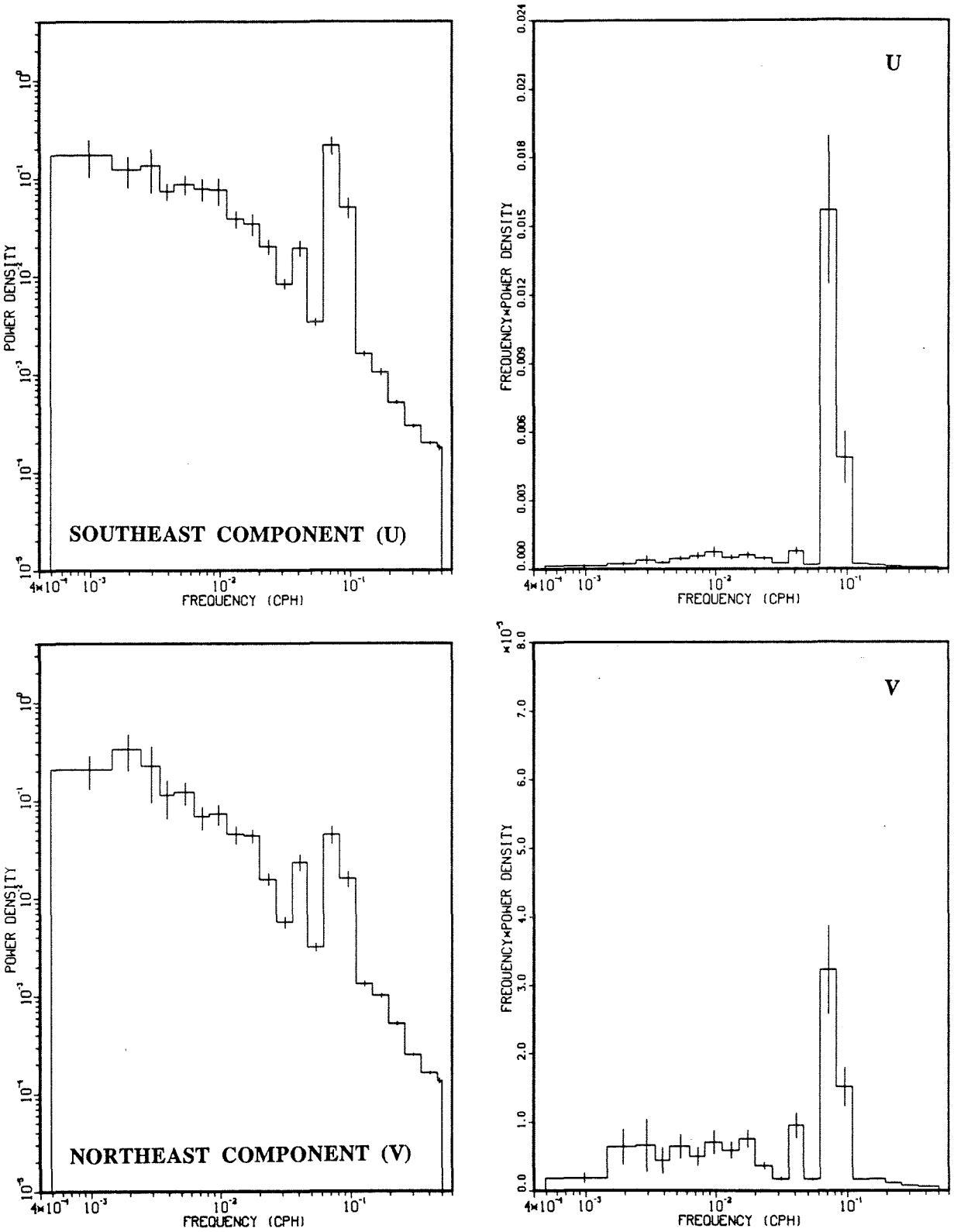
MOORING 702 AT 229M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 702
Depth 229 m

Tidal Analysis

321.8 d centred at day 072,1986

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	.005	85	64	C		.005	353	.019	65
O1	.011	.005	80	1	C		.006	291	.011	6
P1	.007	.003	99	72	C		.003	323	.007	68
M2	.101	.010	336	23	C		.093	25	.042	189
S2	.045	.007	331	71	C		.040	76	.023	236
N2	.019	.002	345	350	C		.019	351	.005	150
K2	.016	.005	336	70	C		.015	77	.008	216
MF	.008	.002	21	341	A		.008	345	.003	315
M4	.002	.001	342	58	C		.002	65	.001	189
MS4	.002	.001	315	100	C		.002	135	.002	243



MOORING 702 AT 229M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 702
Depth 292 m

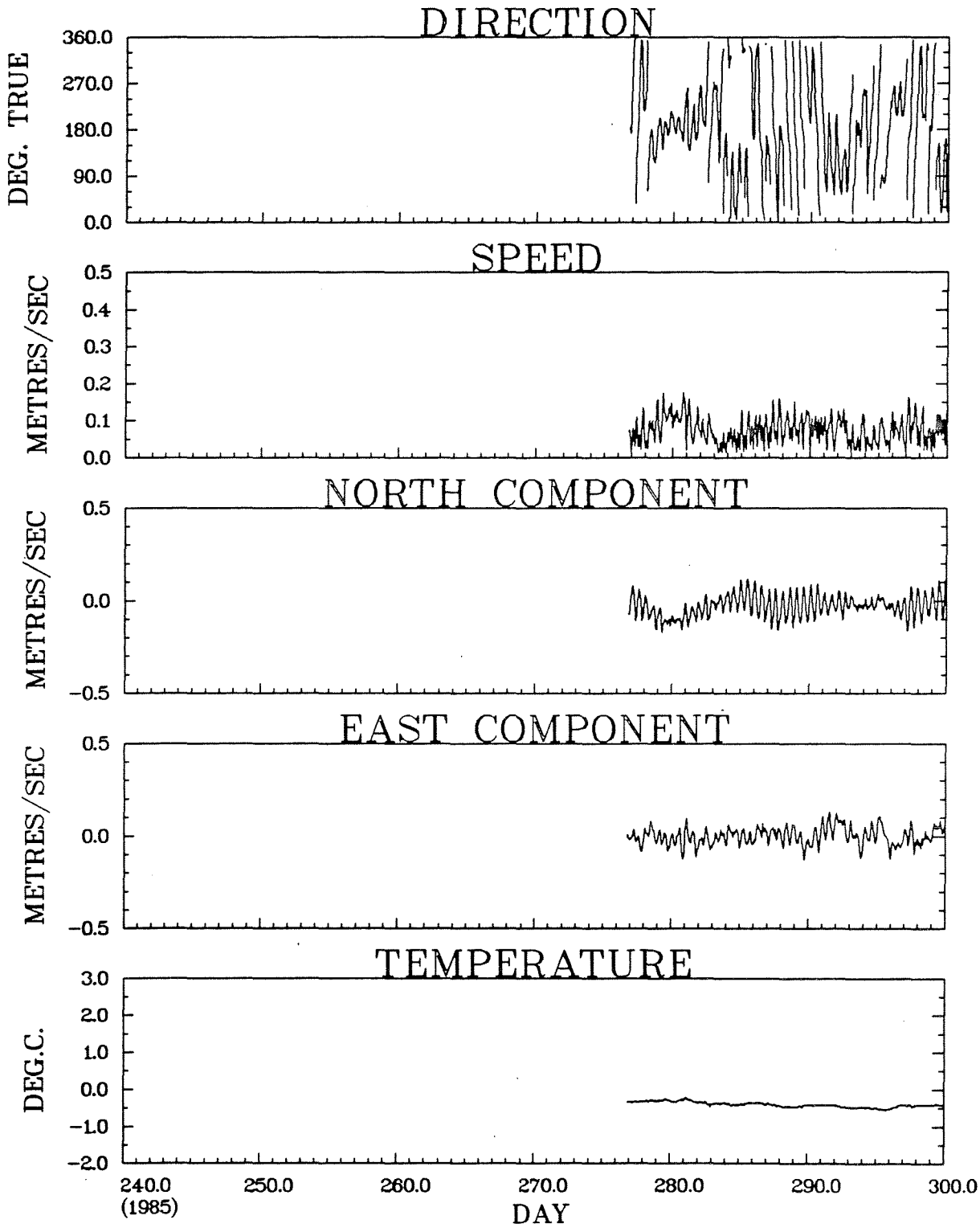
Latitude	76° 00.7N	Deployment	1829Z 3 Oct., 1985
Longitude	76° 04.7W	Recovery	1353Z 21 Aug., 1986
Water Depth	314 m	Duration	321 d

RECORD LENGTH STATISTICS

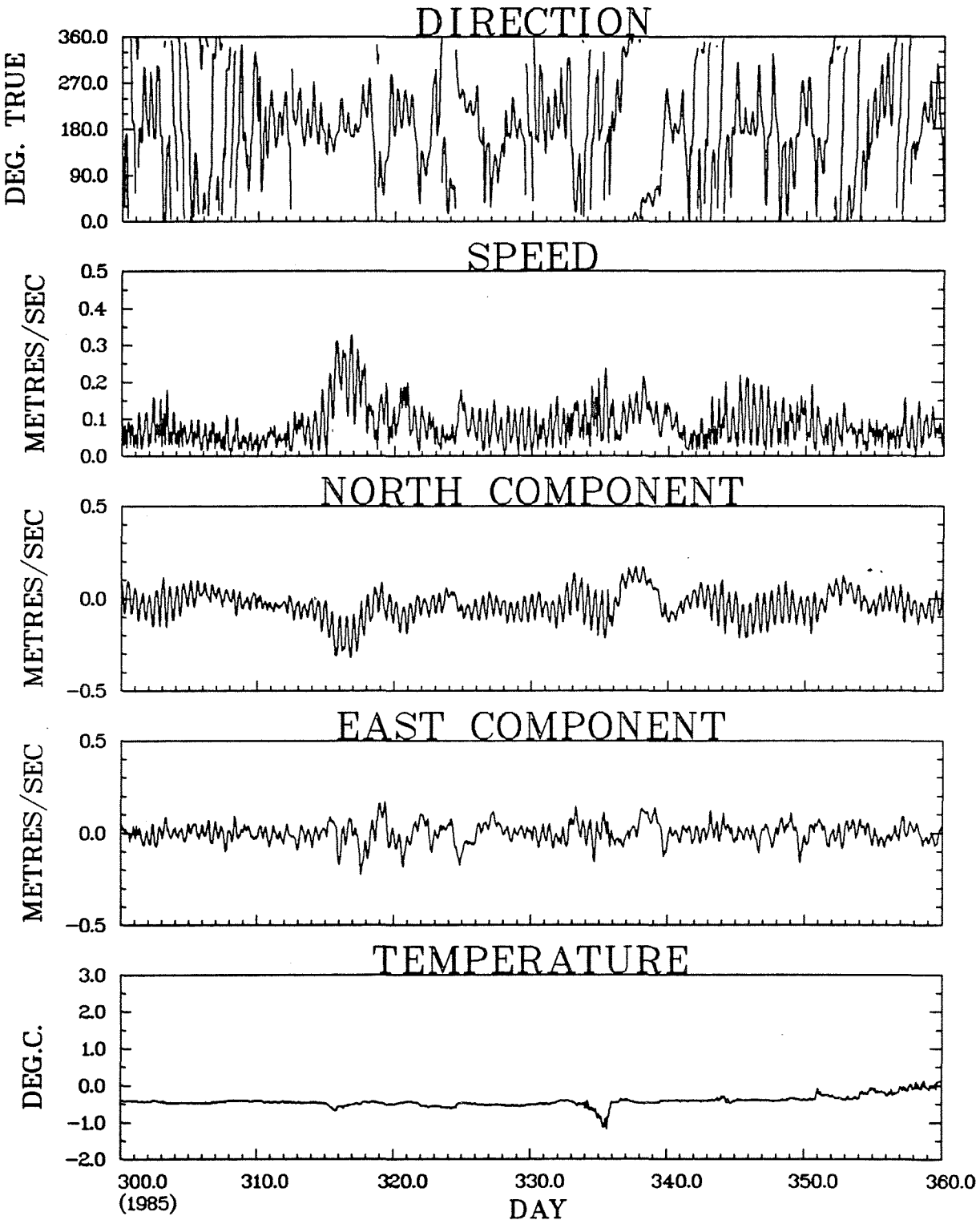
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7722	296	298	296	0.2
Temperature (T)	°C	7722	-1.19	0.51	-0.21	0.19
Salinity (S)	PSS78	7719	33.56	34.34	34.17	0.07
Speed (R)	$m.s^{-1}$	7722	0.015	0.328	0.074	0.044
Northeast Component (V)	$m.s^{-1}$	7722	-.274	0.242	-.017	0.056
Southeast Component (U)	$m.s^{-1}$	7722	-.183	0.279	0.019	0.061

MONTHLY MEANS

	Samples	T	S	R	V	U
October	676	-0.41±0.06	34.20±0.05	0.074±.036	-.019±.055	0.019±.055
November	720	-0.50±0.06	34.15±0.07	0.088±.059	-.036±.065	0.032±.068
December	744	-0.30±0.19	34.14±0.09	0.084±.045	-.013±.065	0.021±.066
January	744	-0.17±0.09	34.17±0.06	0.079±.043	-.027±.054	0.030±.060
February	672	-0.03±0.13	34.18±0.07	0.109±.061	-.023±.087	0.031±.081
March	744	-0.12±0.09	34.17±0.05	0.068±.035	-.022±.040	0.017±.059
April	720	-0.13±0.10	34.16±0.04	0.064±.034	-.016±.040	0.013±.057
May	744	-0.27±0.06	34.13±0.04	0.061±.033	-.009±.038	0.013±.055
June	720	-0.27±0.10	34.18±0.09	0.081±.043	-.011±.068	0.018±.058
July	744	0.01±0.19	34.24±0.03	0.053±.026	-.000±.041	0.001±.043
August	494	-0.12±0.12	34.21±0.03	0.052±.024	-.006±.035	0.009±.044



MOORING 702 AT 292M
NORTHERN BAFFIN BAY 1985/6



MOORING 702 AT 292M
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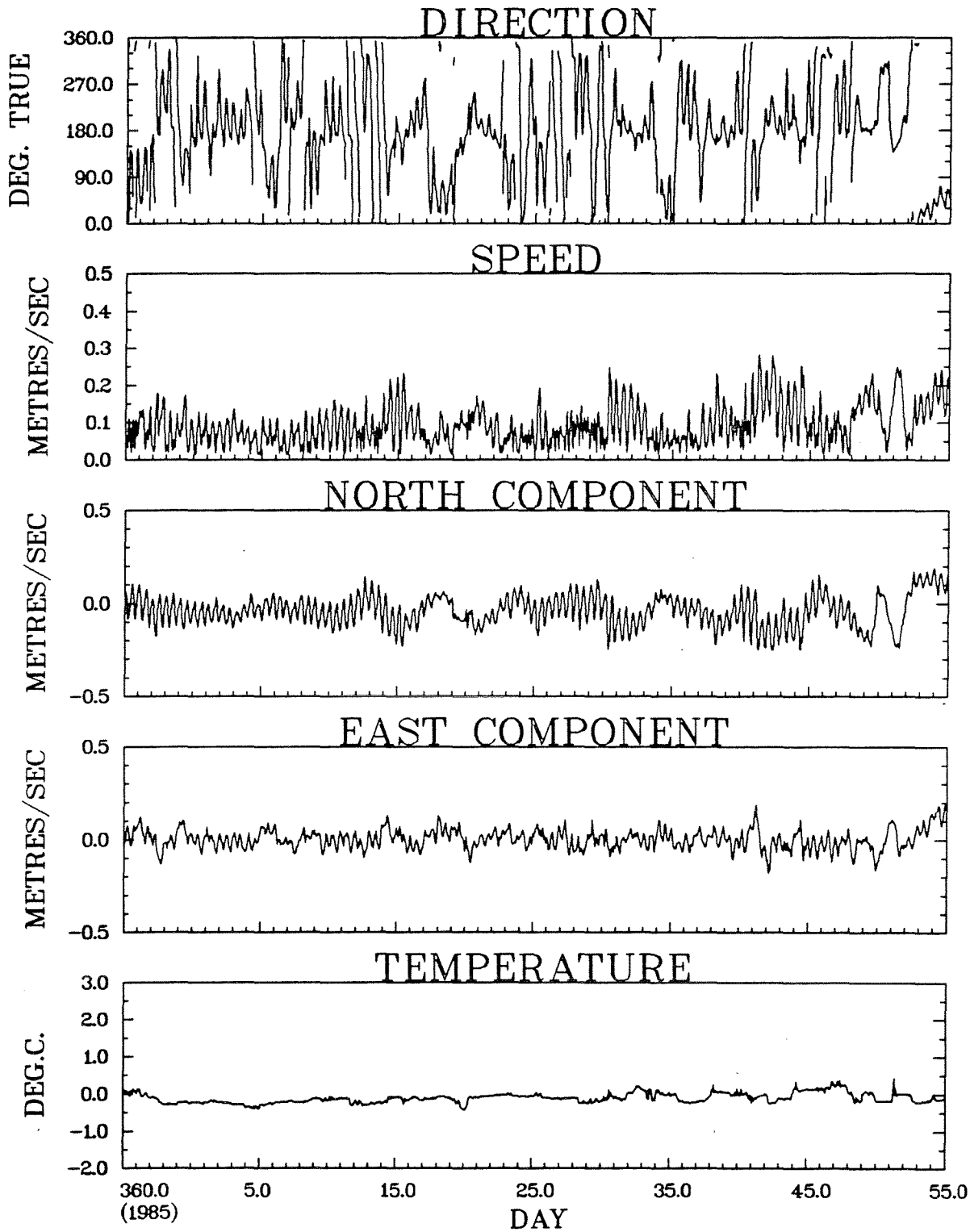
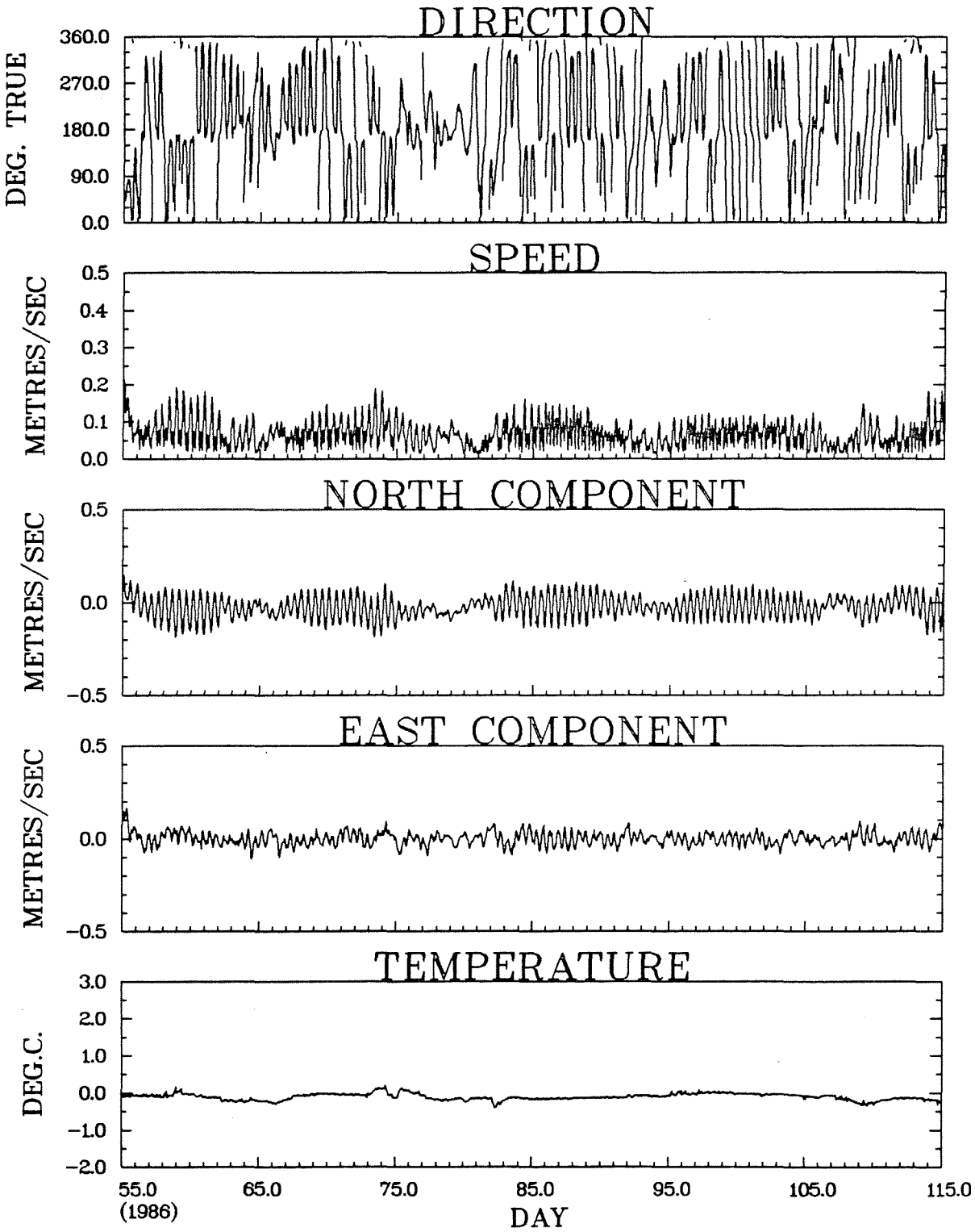
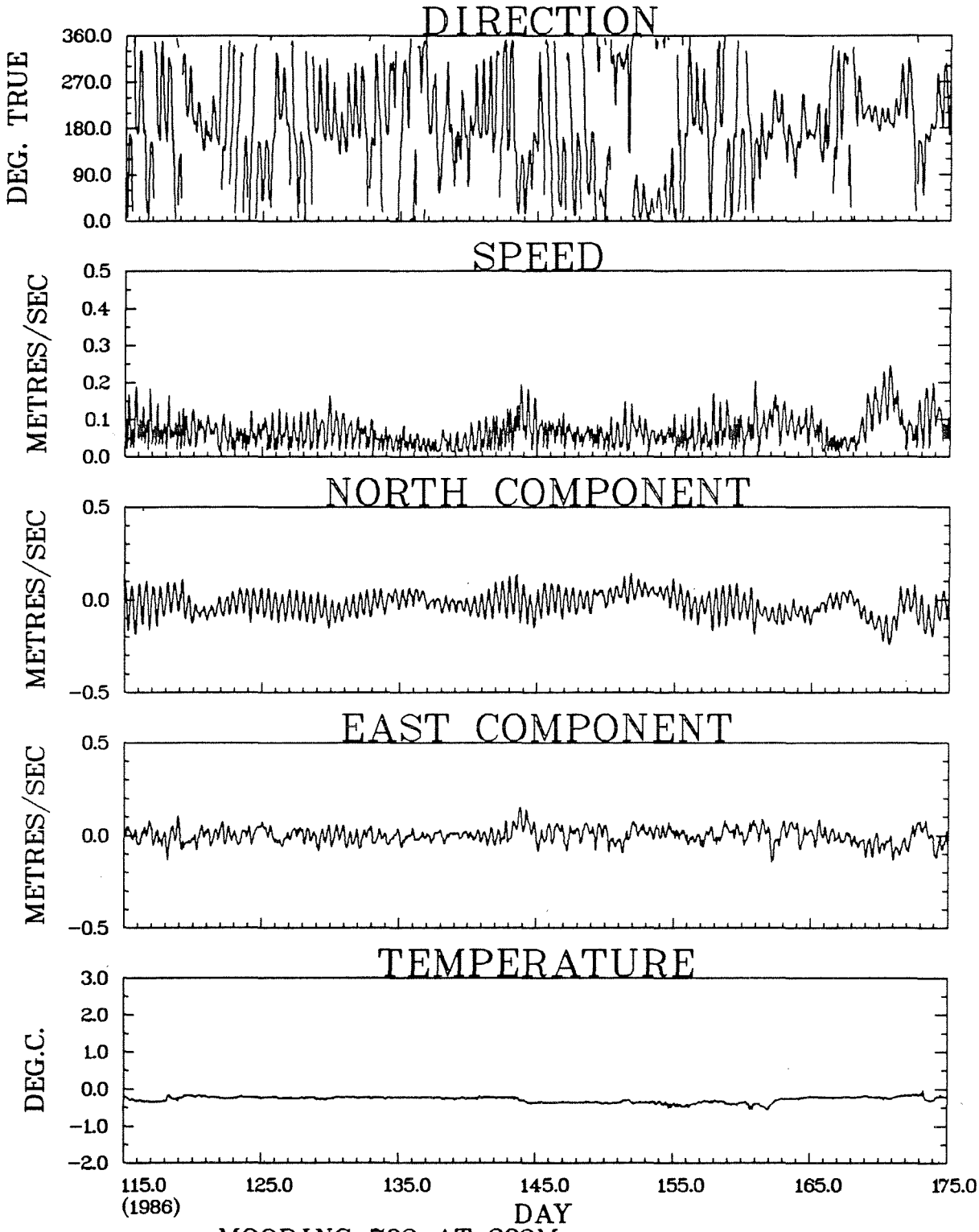


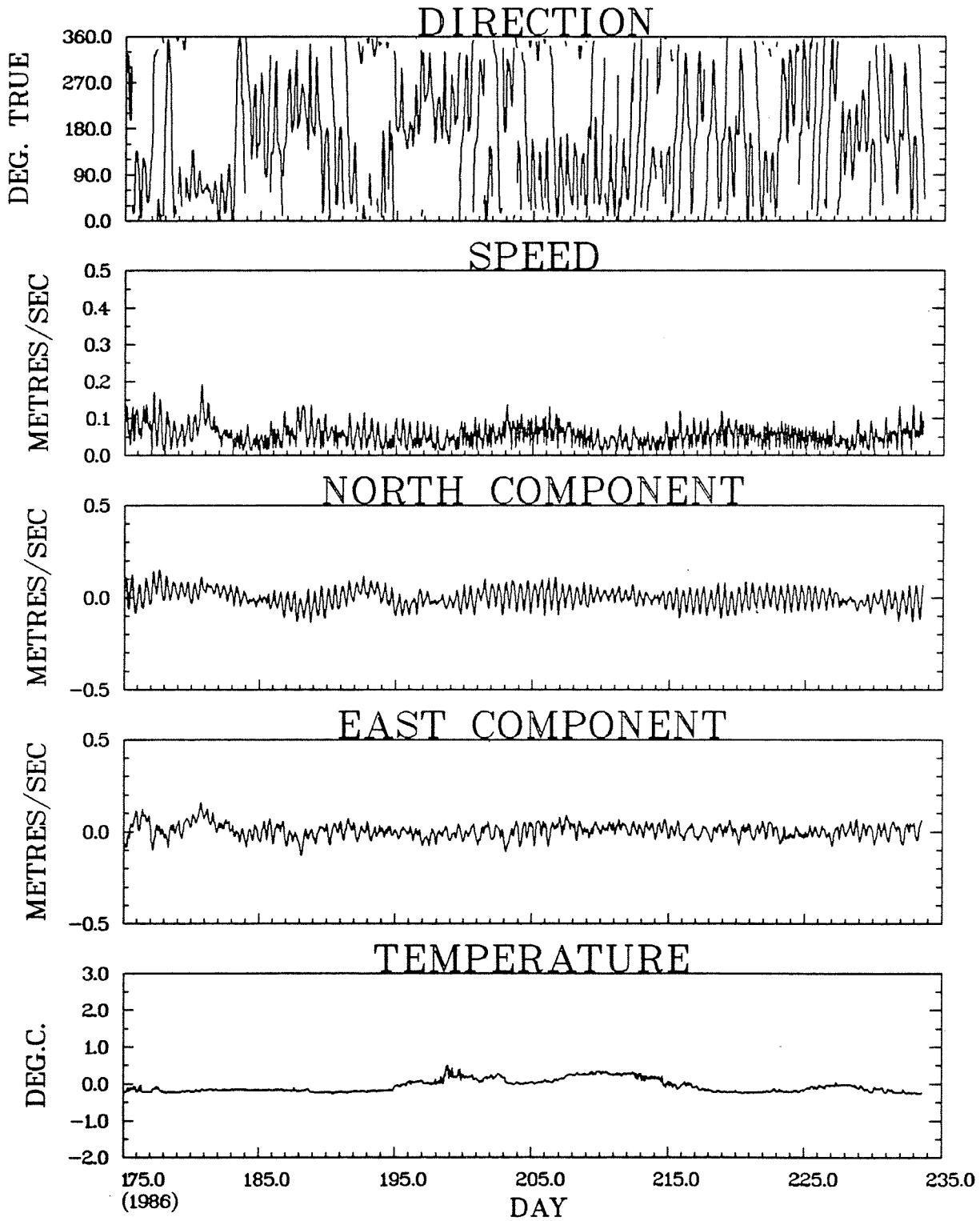
MOORING 702 AT 292M.
NORTHERN BAFFIN BAY 1985/6



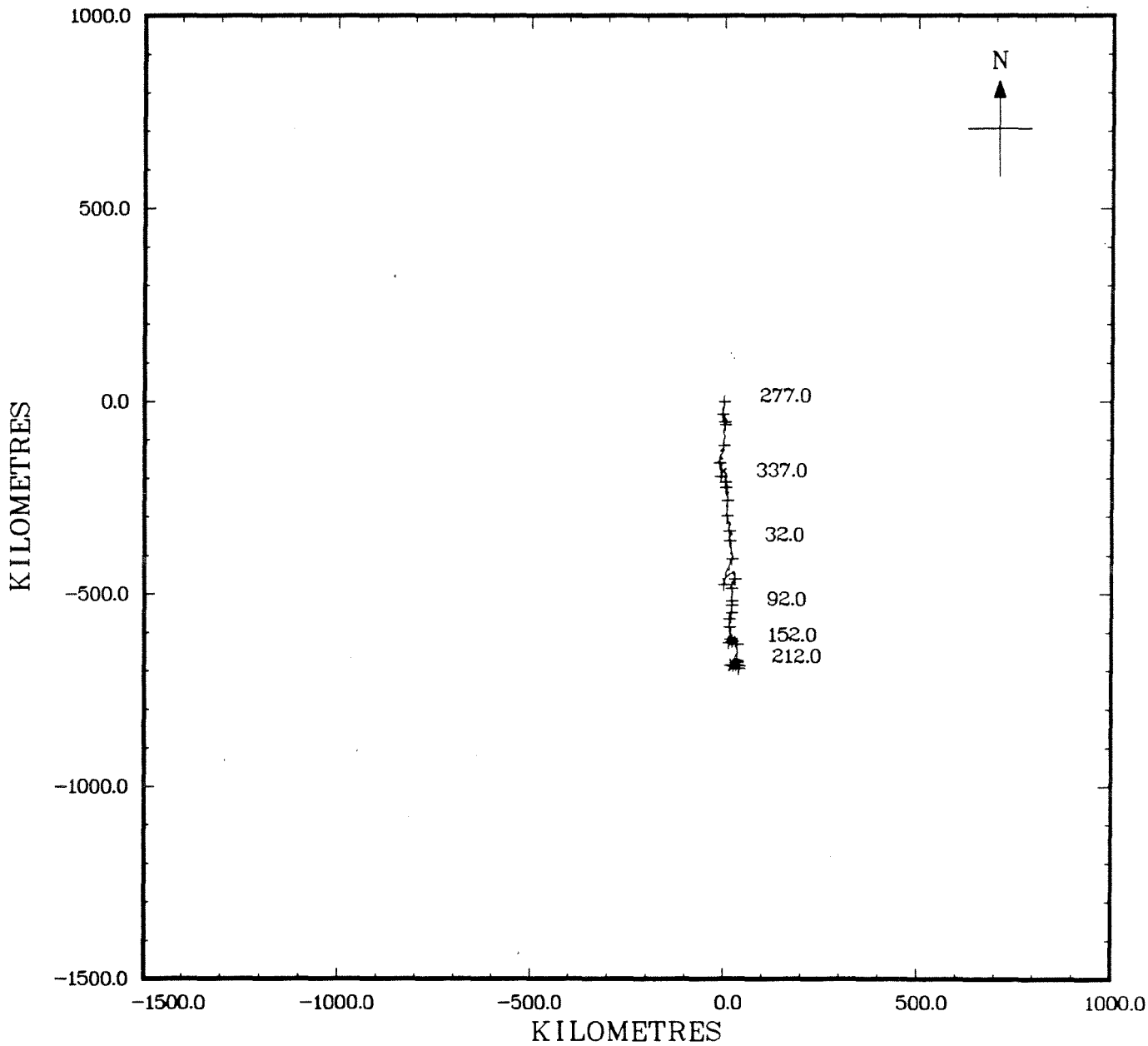
MOORING 702 AT 292M
NORTHERN BAFFIN BAY 1985/6



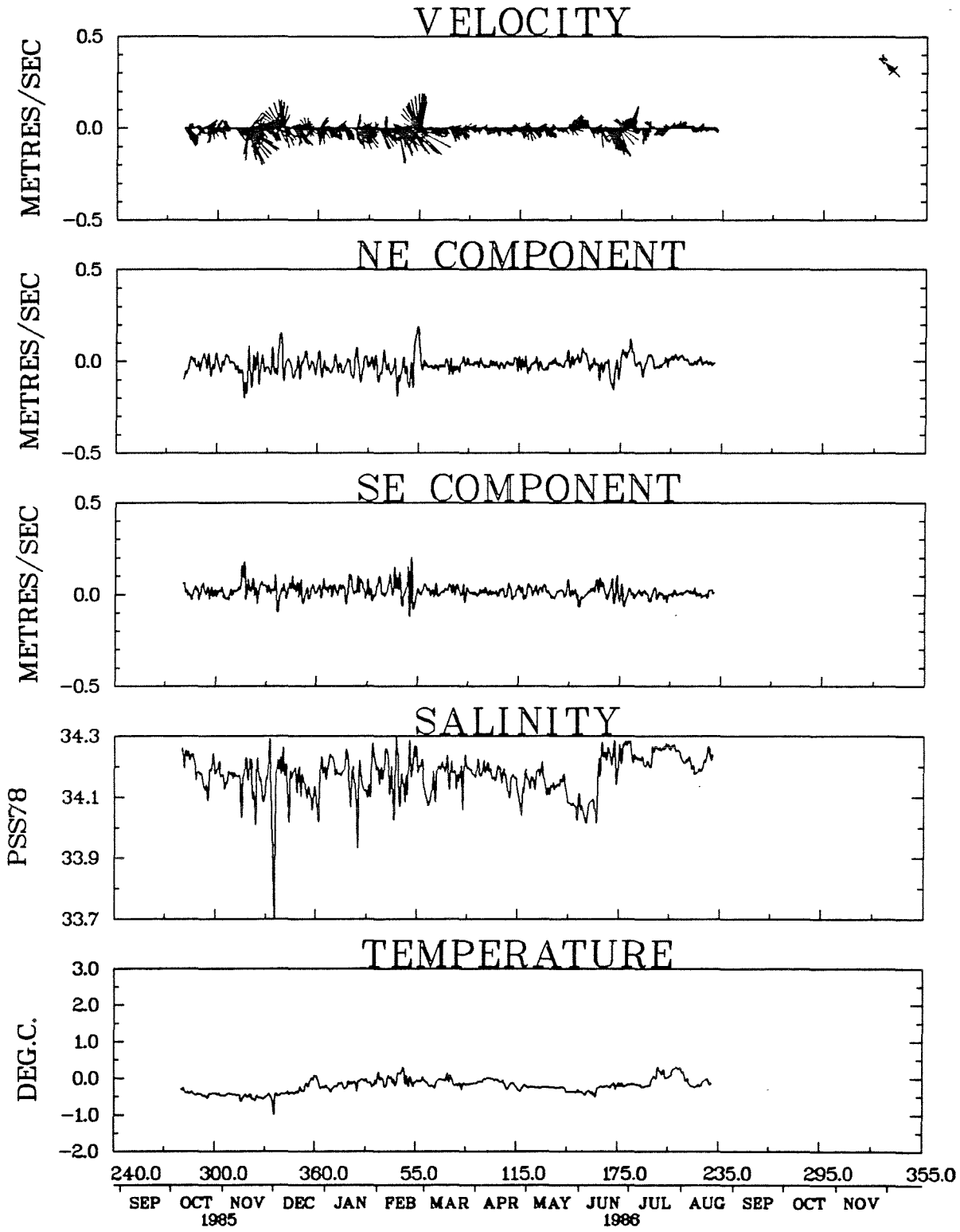
MOORING 702 AT 292M
NORTHERN BAFFIN BAY 1985/6



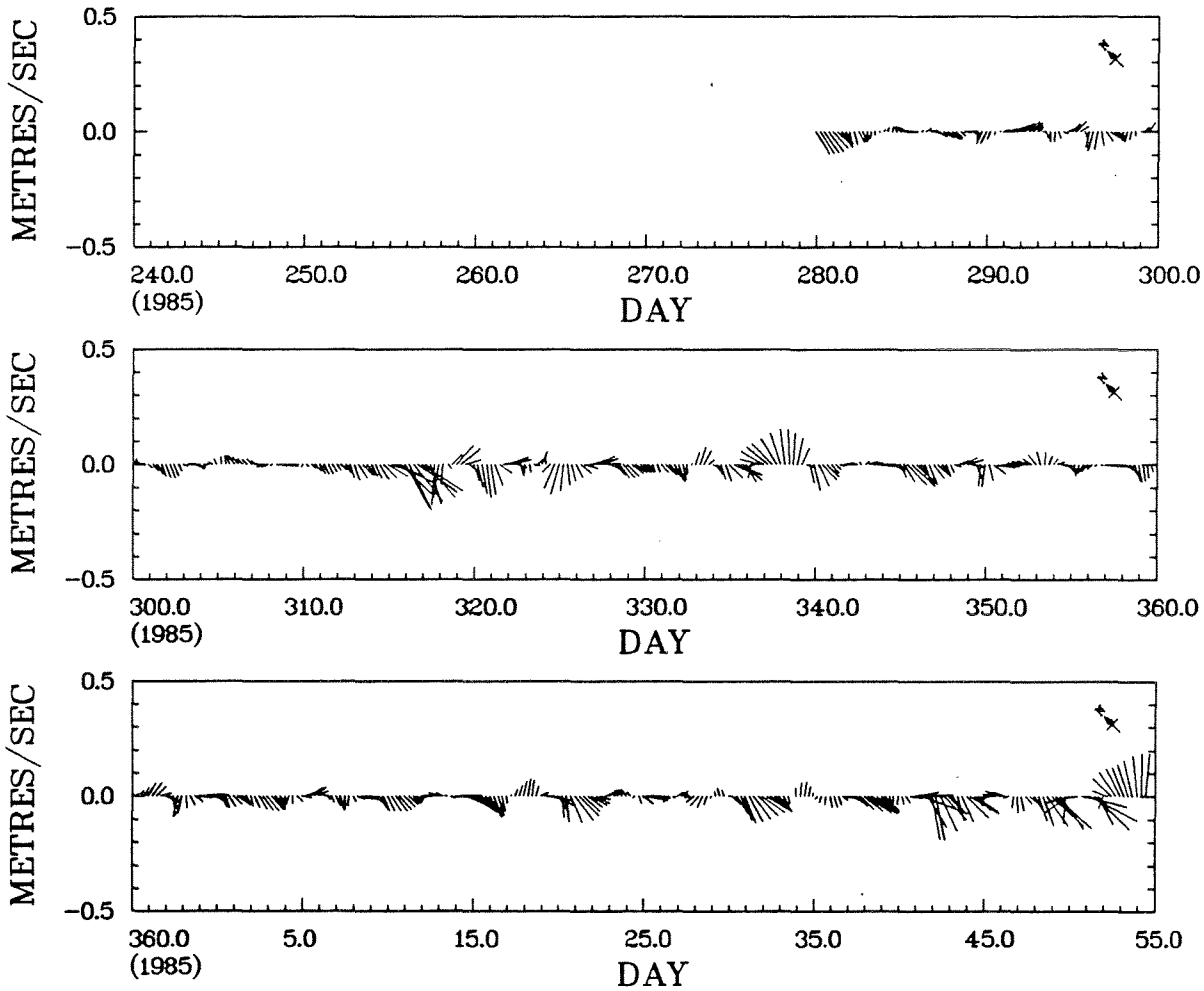
MOORING 702 AT 292M
NORTHERN BAFFIN BAY 1985/6



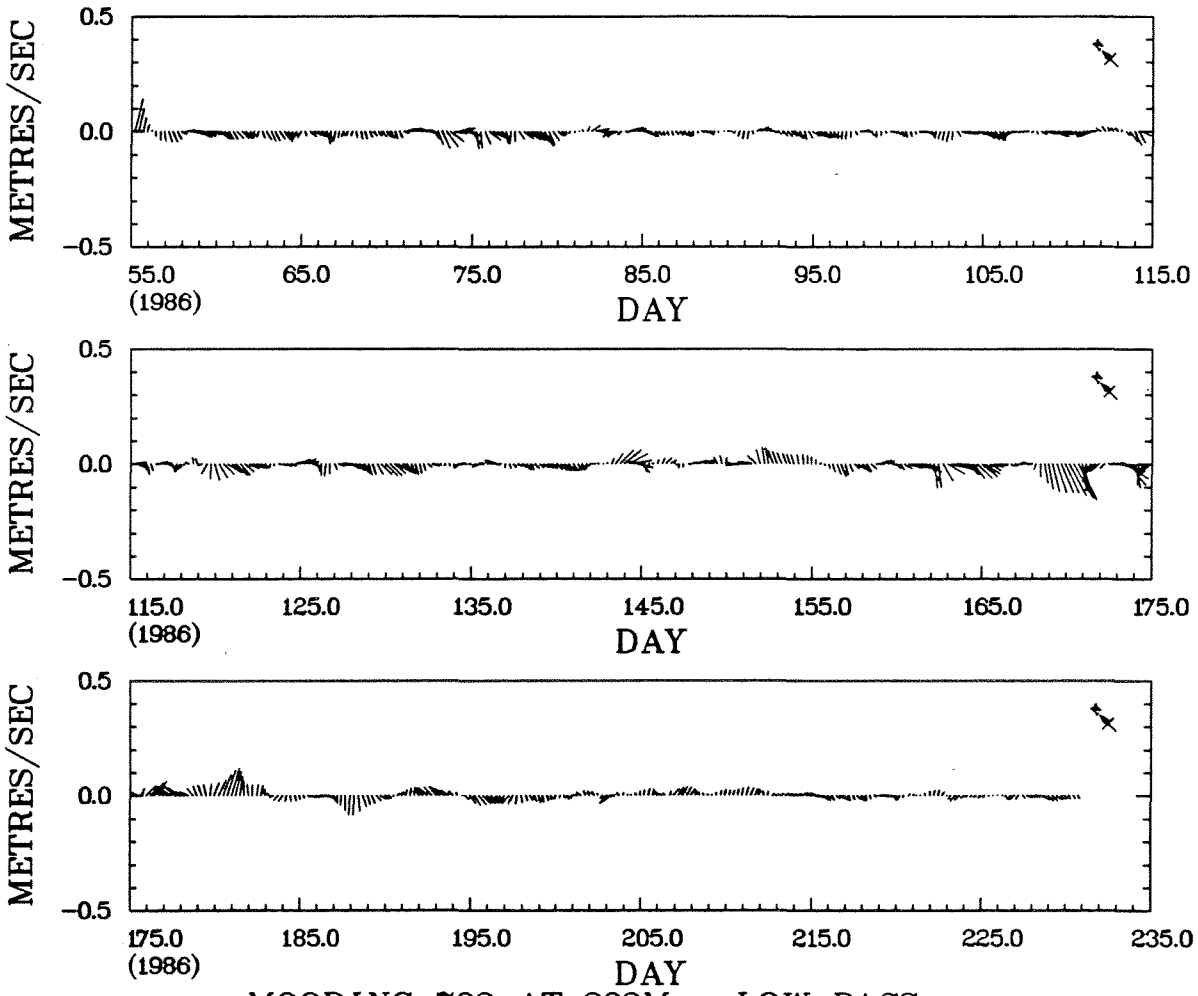
MOORING 702 AT 292M
NORTHERN BAFFIN BAY 1985/6



MOORING 702 AT 292M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 702 AT 292M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



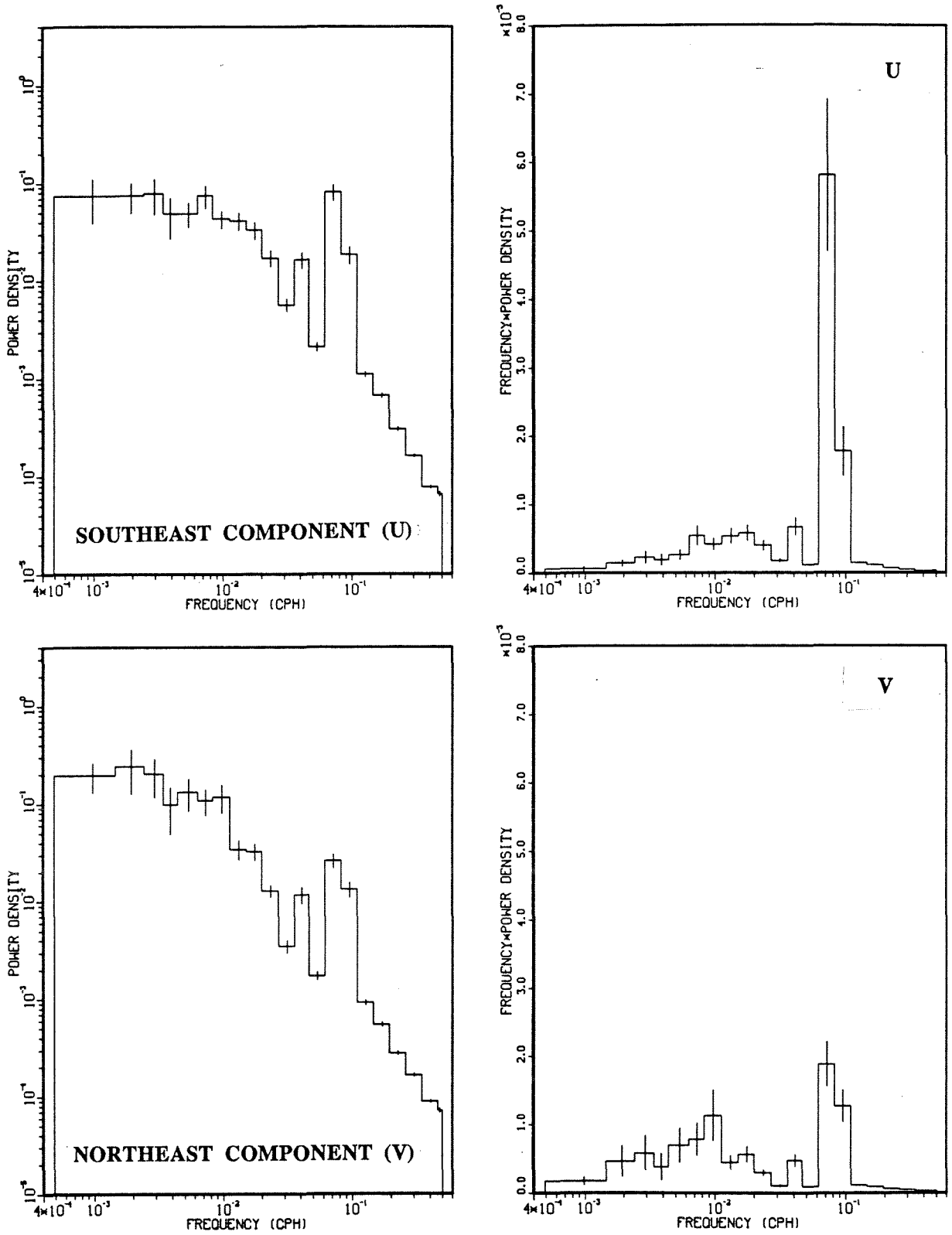
MOORING 702 AT 292M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 702
Depth 292 m

Tidal Analysis

321.8 d centred at day 072,1986

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	.016	.004	96	72	C	.004	320	.016	70
O1	.009	.005	93	14	C	.005	278	.009	12
P1	.005	.002	105	82	C	.002	315	.005	77
M2	.062	.014	340	30	A	.059	26	.025	243
S2	.030	.005	353	61	A	.030	60	.006	291
N2	.011	.004	345	356	A	.011	351	.005	228
K2	.010	.000	353	61	C	.010	61	.001	227
MF	.010	.001	17	307	C	.009	306	.003	317
M4	.001	.000	351	235	C	.001	238	.000	350
MS4	.001	.000	348	221	C	.001	223	.000	357



MOORING 702 AT 292M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 703
Depth 174 m

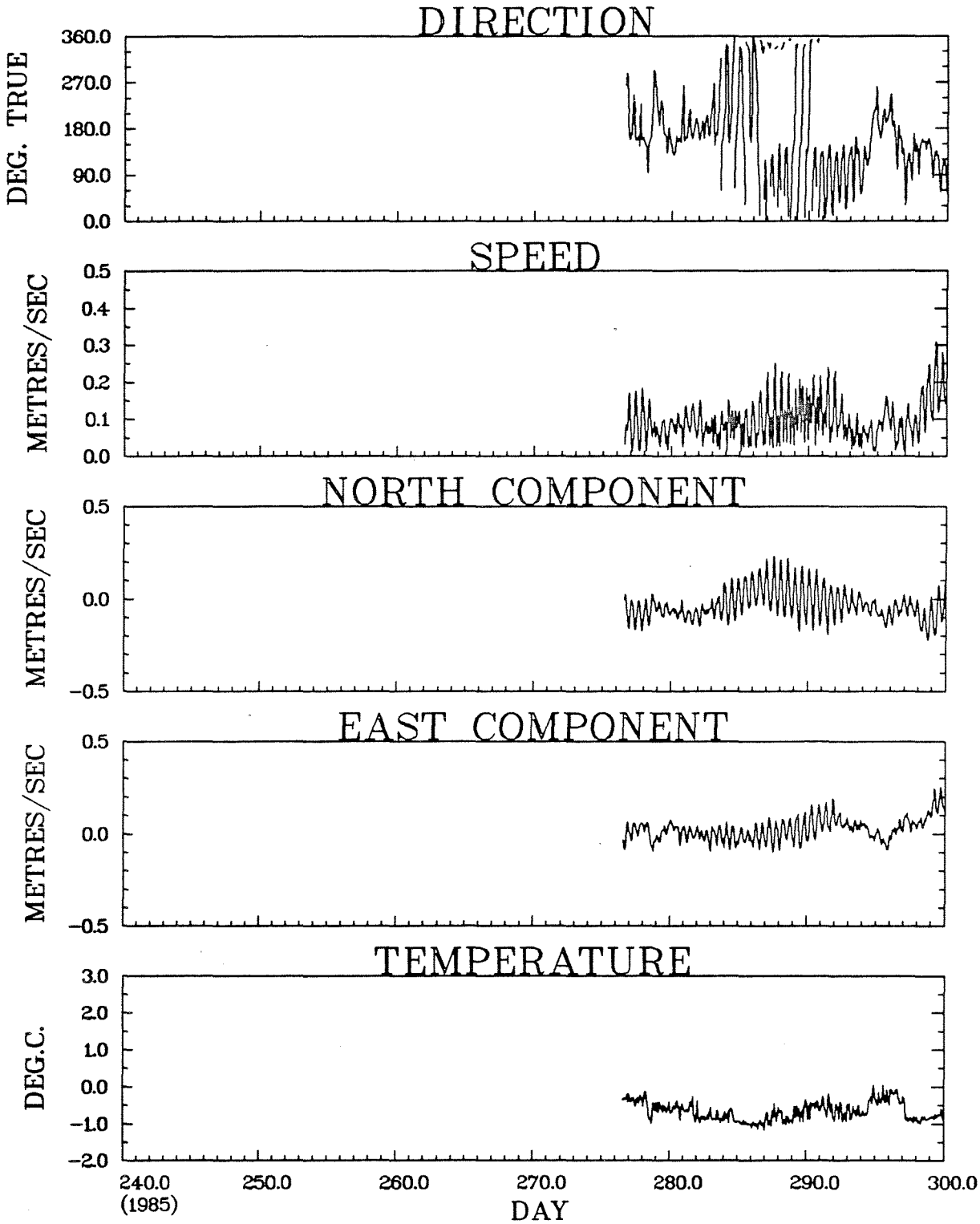
Latitude	76° 29.2N	Deployment	1220Z 3 Oct., 1985
Longitude	73° 37.2W	Recovery	0005Z 22 Aug., 1986
Water Depth	546 m	Duration	322 d

RECORD LENGTH STATISTICS

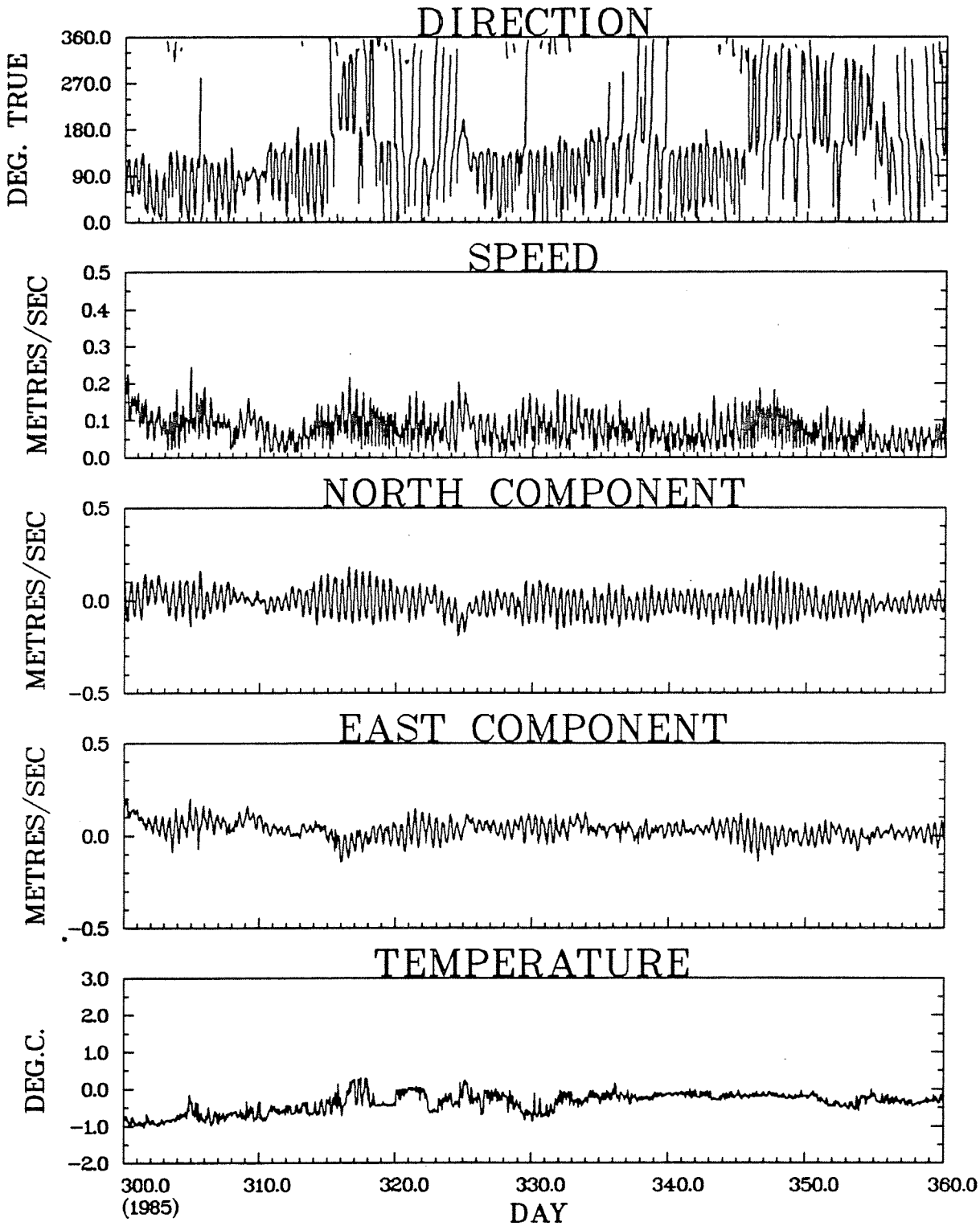
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7738	168	173	170	0.5
Temperature (T)	°C	7738	-1.68	0.65	-0.41	0.40
Salinity (S)	PSS78	7735	33.62	34.21	33.94	0.10
Speed (R)	$m.s^{-1}$	7738	0.015	0.402	0.087	0.050
Northeast Component (V)	$m.s^{-1}$	7738	-.188	0.207	-.001	0.045
Southeast Component (U)	$m.s^{-1}$	7738	-.233	0.355	0.032	0.084

MONTHLY MEANS

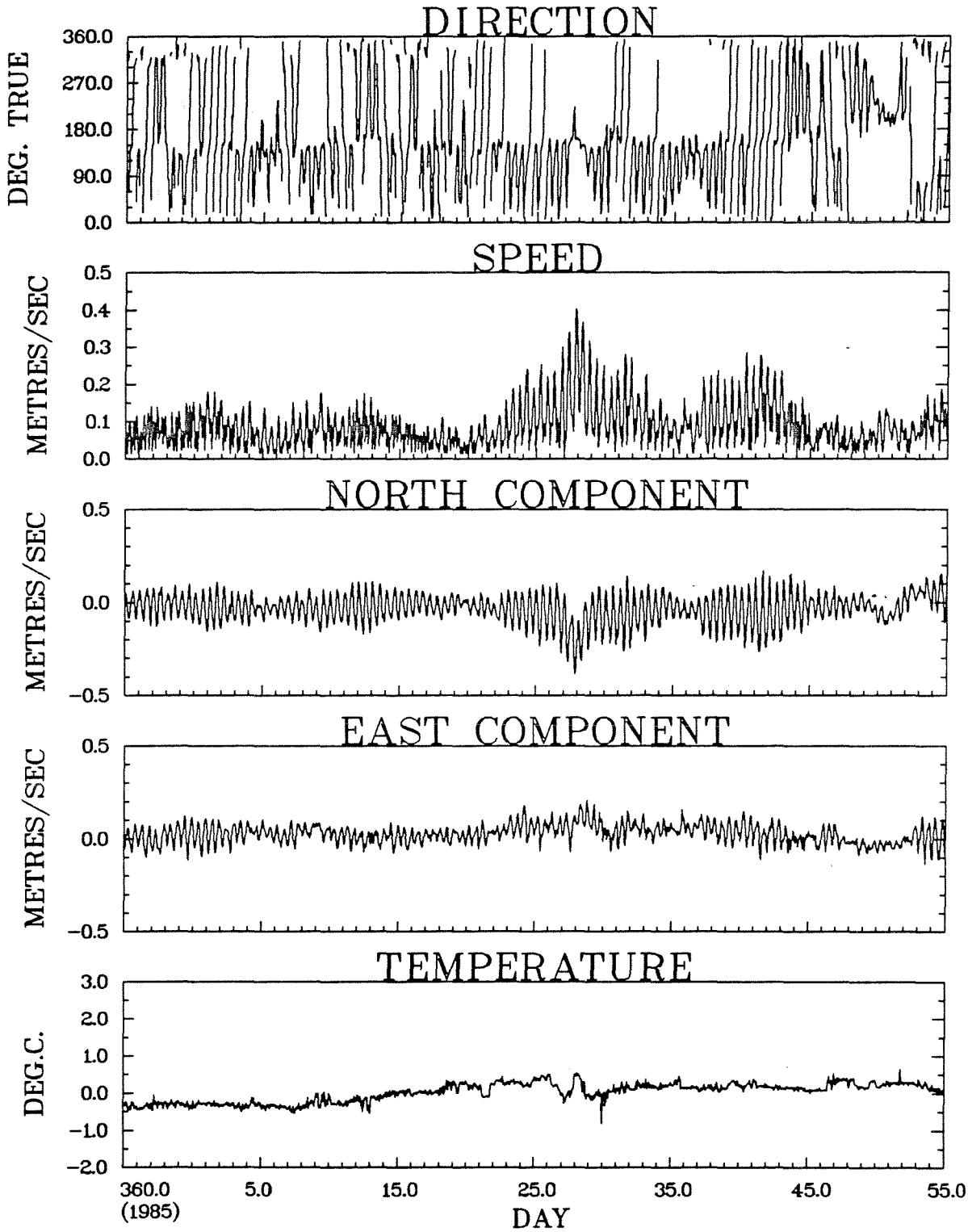
	Samples	T	S	R	V	U
October	682	-0.70±0.24	33.87±0.05	0.099±.052	0.007±.059	0.039±.086
November	720	-0.42±0.27	33.93±0.06	0.083±.040	0.019±.043	0.032±.073
December	744	-0.26±0.11	33.98±0.04	0.068±.036	-.003±.032	0.023±.067
January	744	-0.04±0.26	34.01±0.07	0.090±.066	-.004±.045	0.054±.086
February	672	0.19±0.10	34.09±0.04	0.098±.055	-.009±.055	0.026±.094
March	744	-0.29±0.24	33.96±0.05	0.095±.054	-.001±.042	0.039±.093
April	720	-0.54±0.26	33.92±0.04	0.088±.047	0.007±.038	0.041±.083
May	744	-0.44±0.24	33.94±0.05	0.075±.037	0.004±.037	0.016±.073
June	720	-0.54±0.37	33.94±0.07	0.095±.056	-.001±.046	0.051±.086
July	744	-0.67±0.43	33.86±0.09	0.083±.043	-.018±.039	0.017±.081
August	504	-1.01±0.13	33.74±0.04	0.085±.038	-.011±.042	0.002±.082



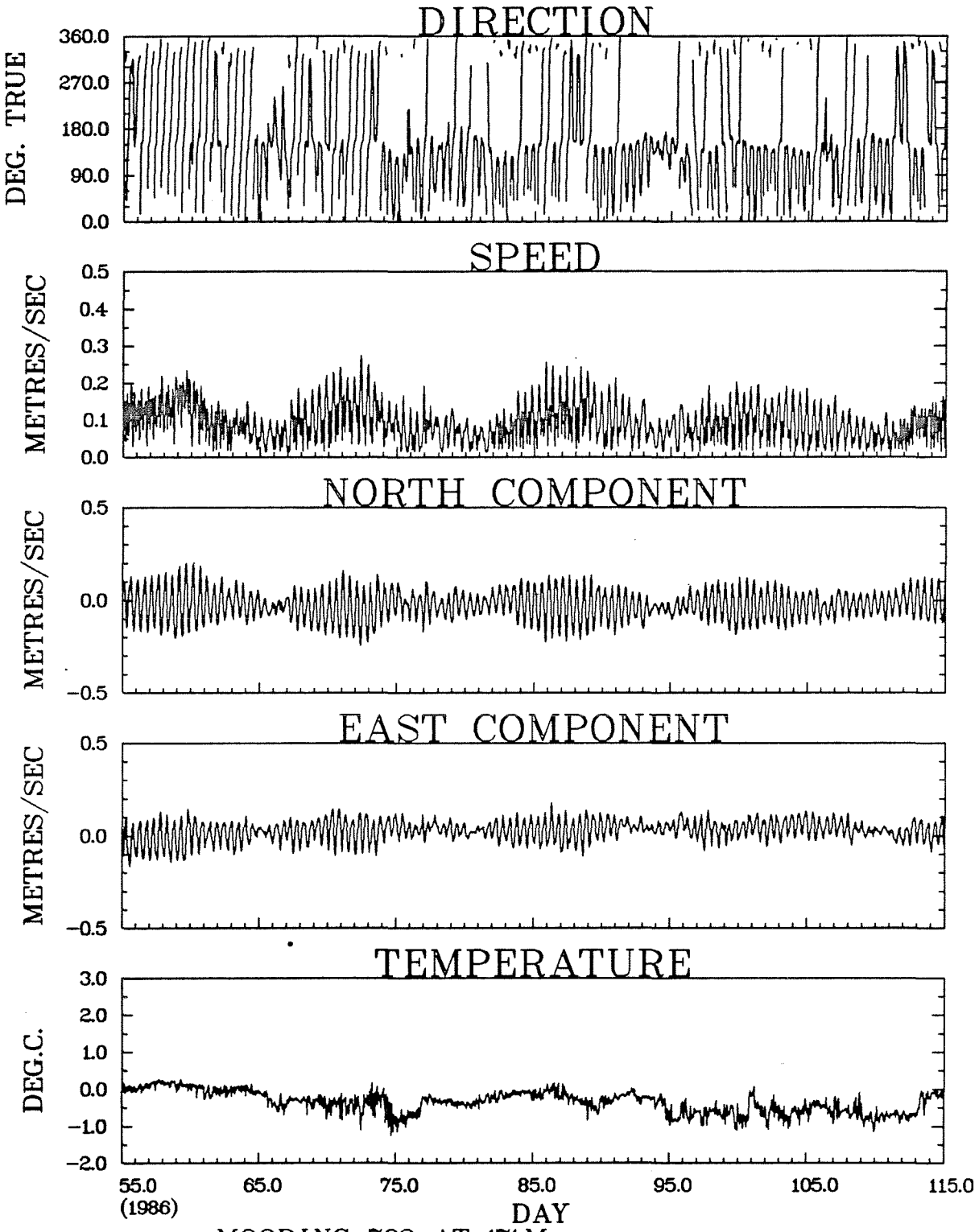
MOORING 703 AT 174M
NORTHERN BAFFIN BAY 1985/6



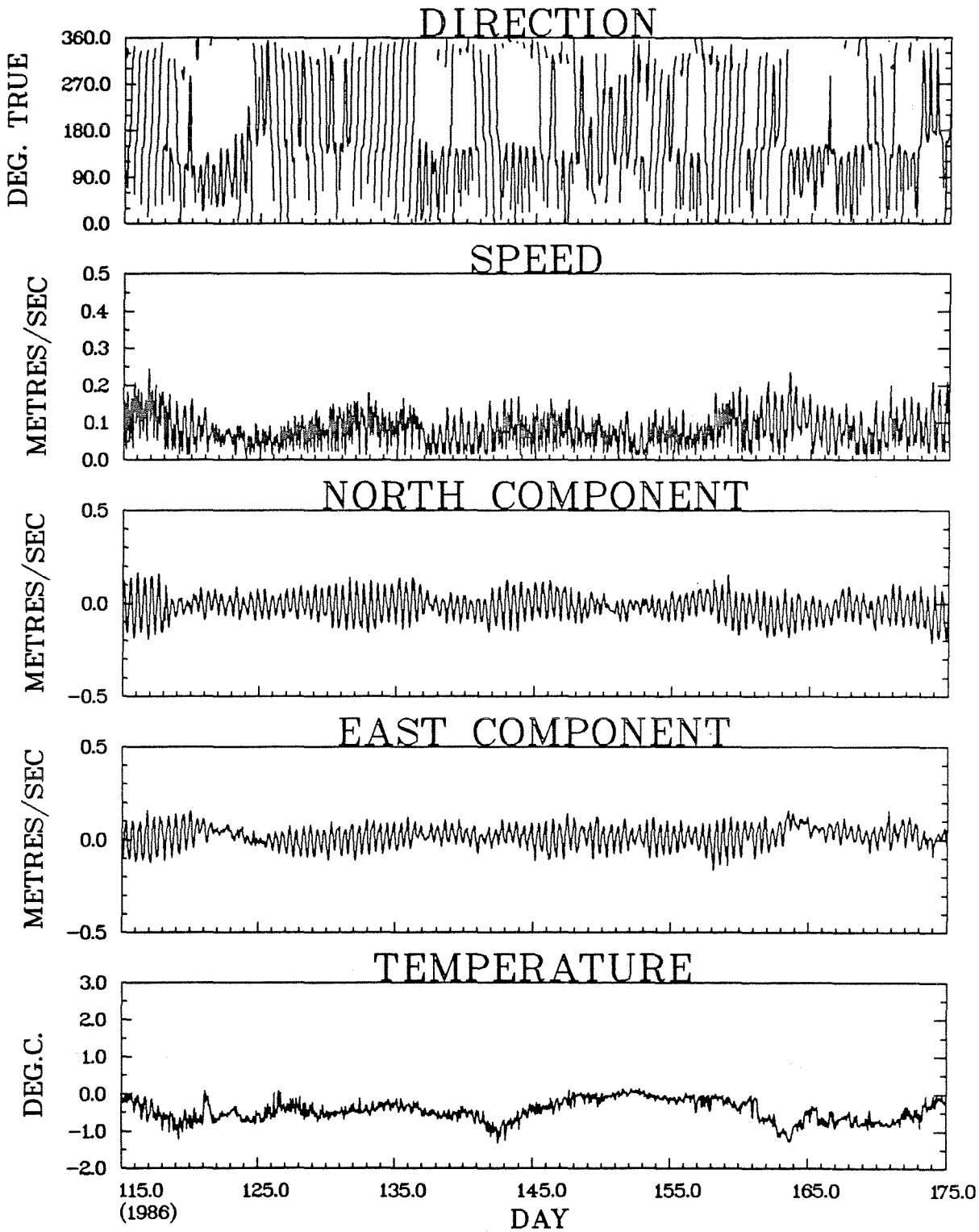
MOORING 703 AT 174M
NORTHERN BAFFIN BAY 1985/6



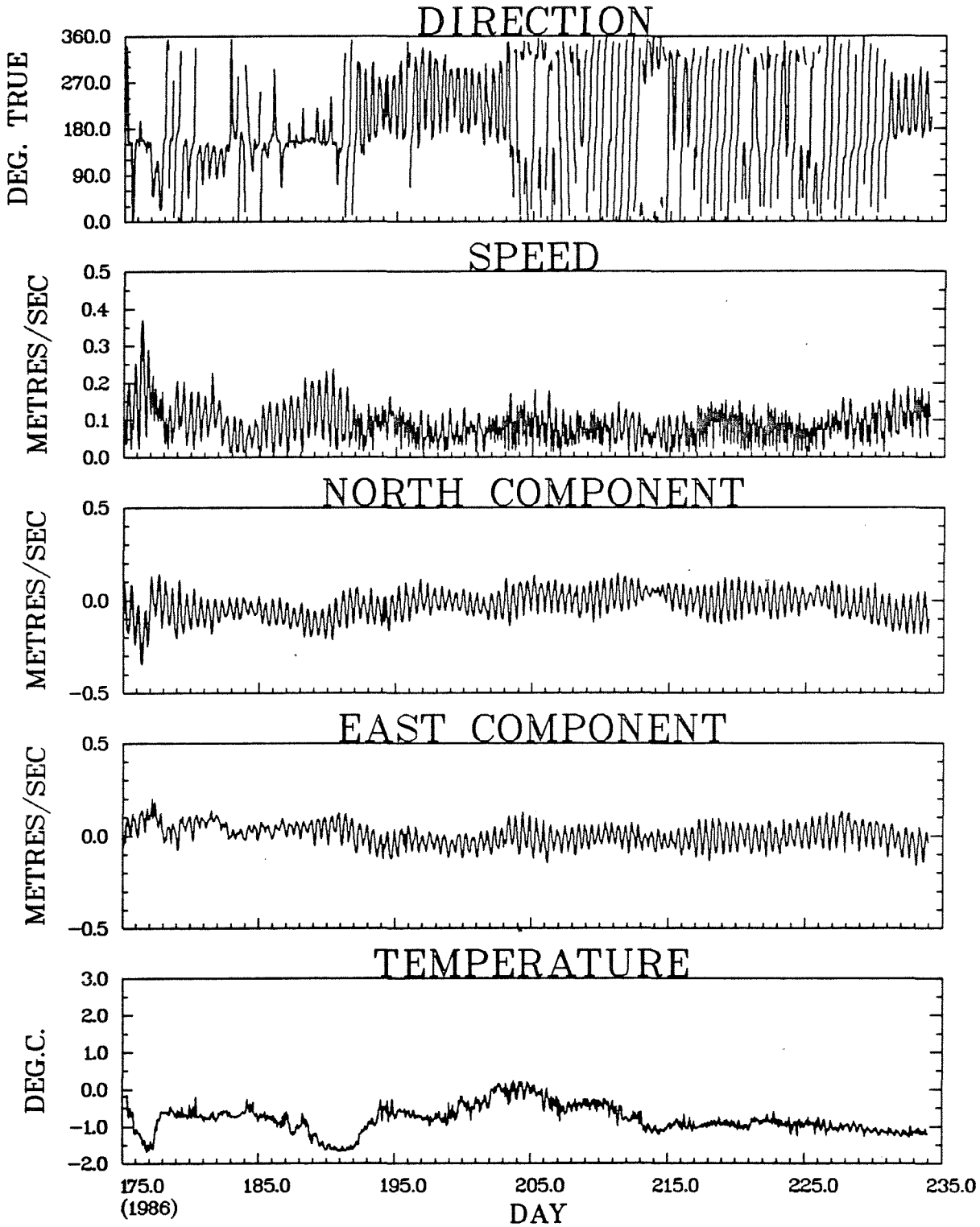
MOORING 703 AT 174M
NORTHERN BAFFIN BAY 1985/6



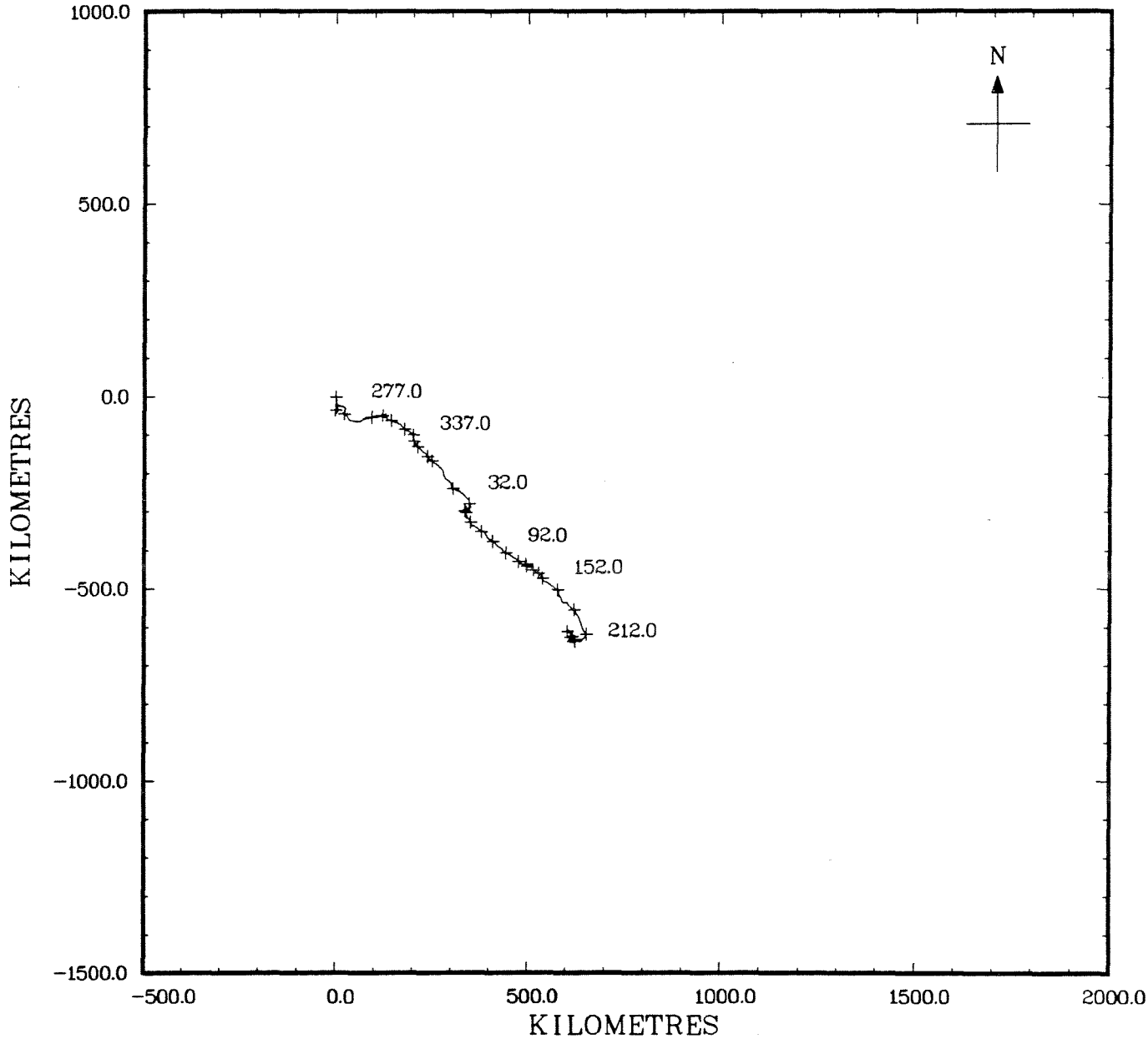
MOORING 703 AT 174M
NORTHERN BAFFIN BAY 1985/6



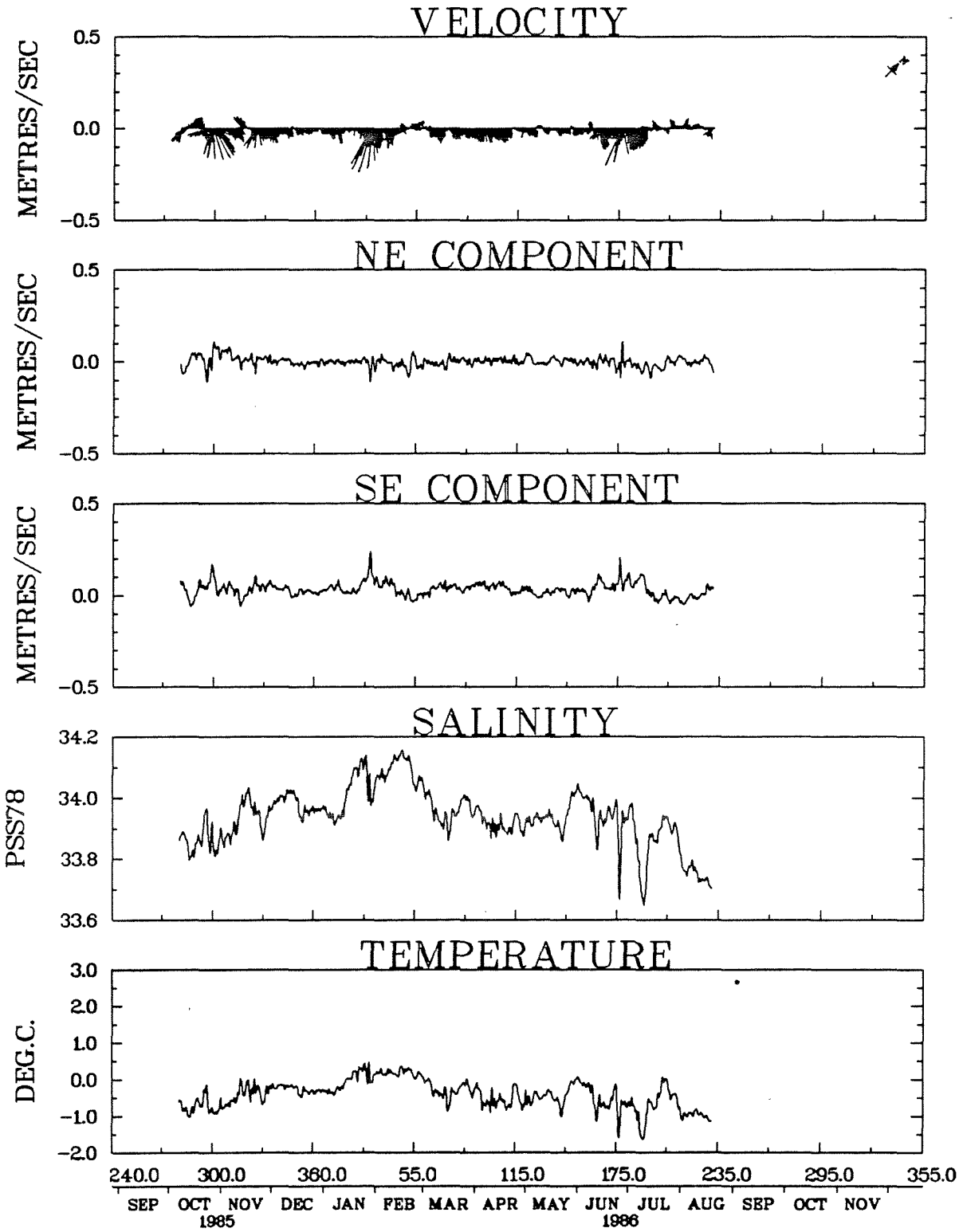
MOORING 703 AT 174M
NORTHERN BAFFIN BAY 1985/6



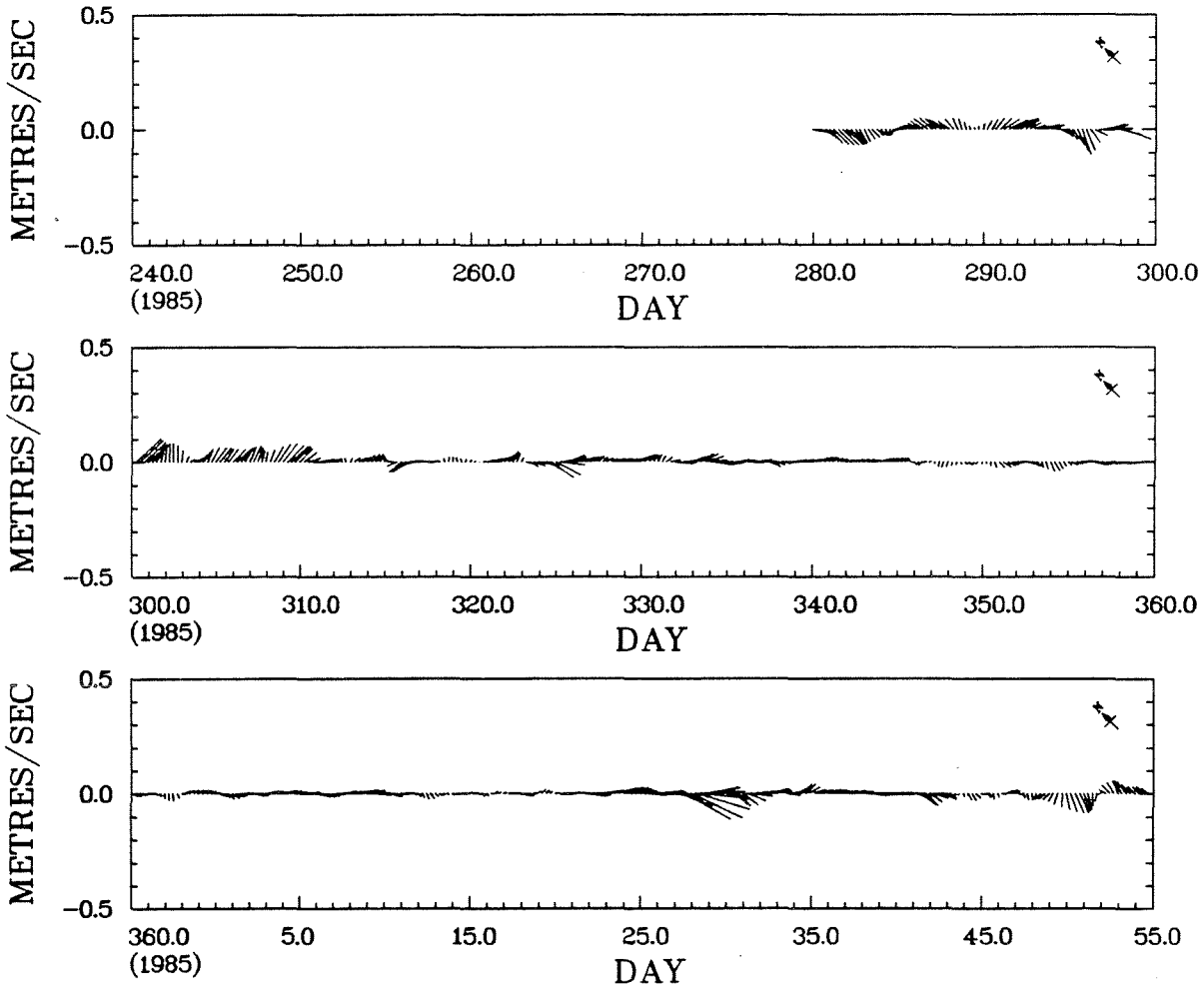
MOORING 703 AT 174M
NORTHERN BAFFIN BAY 1985/6



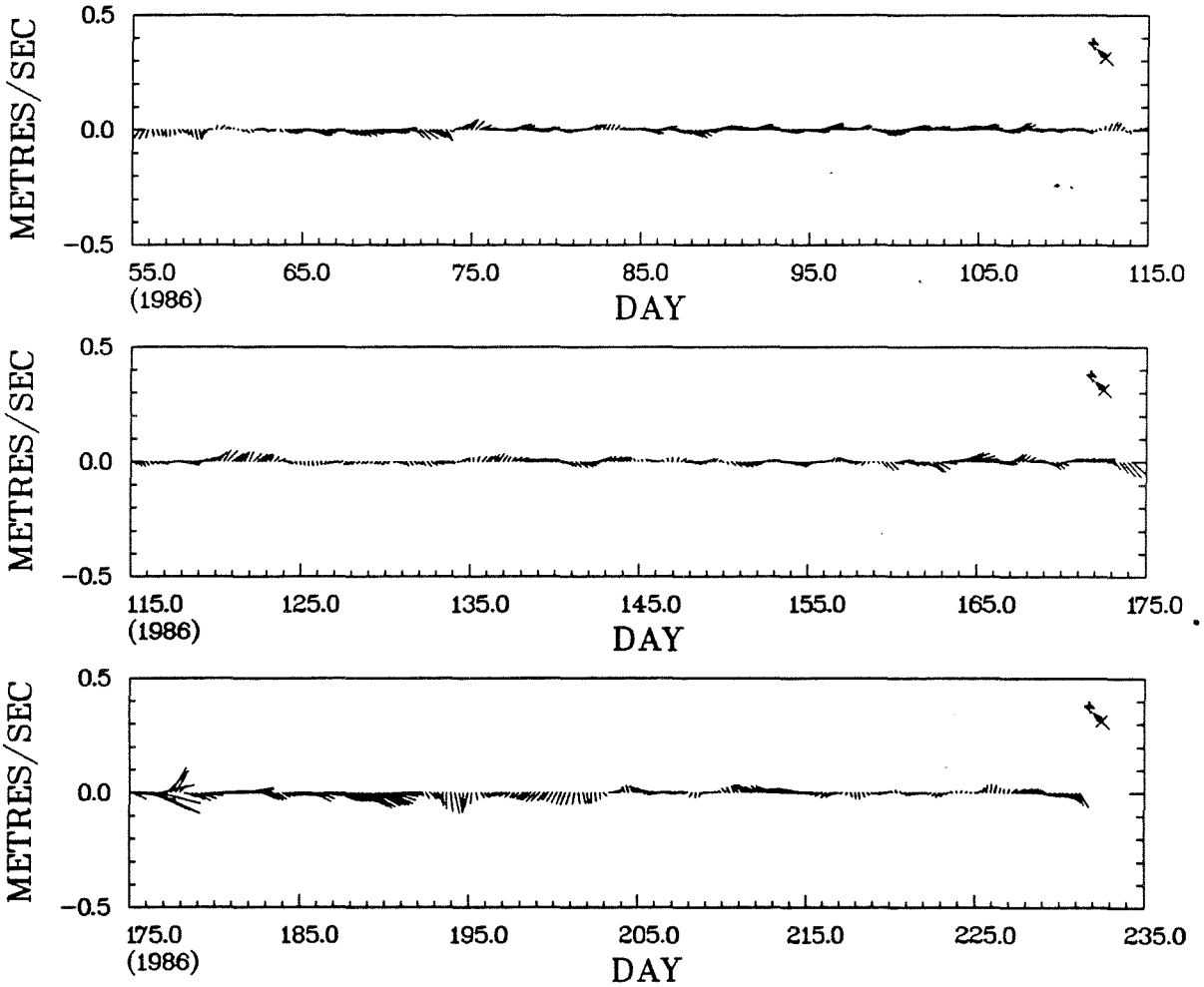
MOORING 703 AT 174M
NORTHERN BAFFIN BAY 1985/6



MOORING 703 AT 174M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 703 AT 174M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



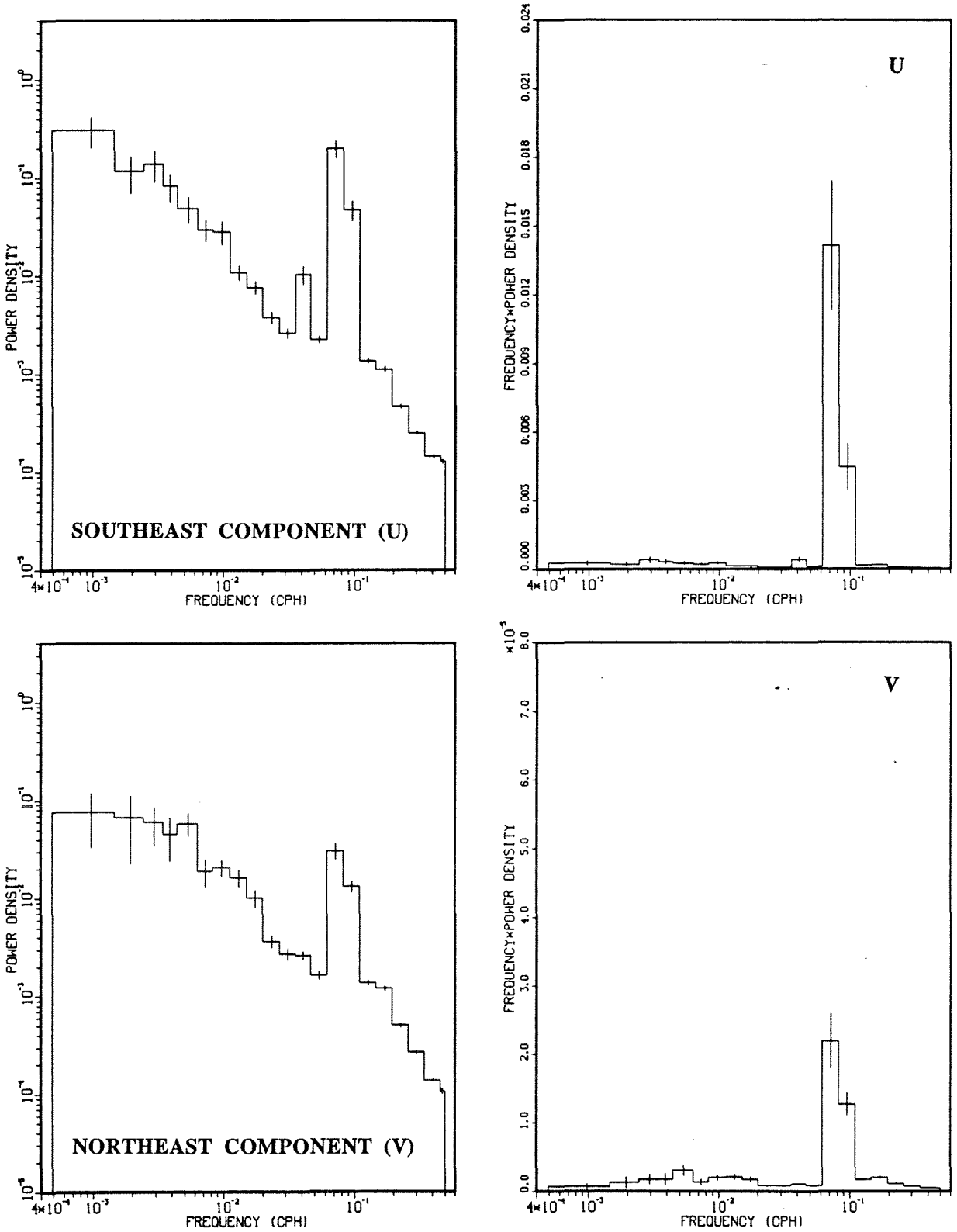
MOORING 703 AT 174M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 703
Depth 174 m

Tidal Analysis

322.4 d centred at day 072,1986

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	.011	.000	122	35	A		.006	213	.009	36
O1	.004	.001	106	343	C		.002	212	.004	338
P1	.004	.000	114	34	C		.002	218	.004	33
M2	.092	.002	332	23	C		.081	24	.043	201
S2	.043	.004	324	73	C		.035	76	.025	245
N2	.018	.001	318	11	C		.014	15	.012	187
K2	.012	.001	337	56	C		.011	58	.005	230
MF	.009	.001	341	83	C		.009	85	.003	253
M4	.001	.001	49	301	C		.001	266	.001	329
MS4	.002	.001	348	280	C		.002	287	.001	31



MOORING 703 AT 174M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 703
Depth 324 m

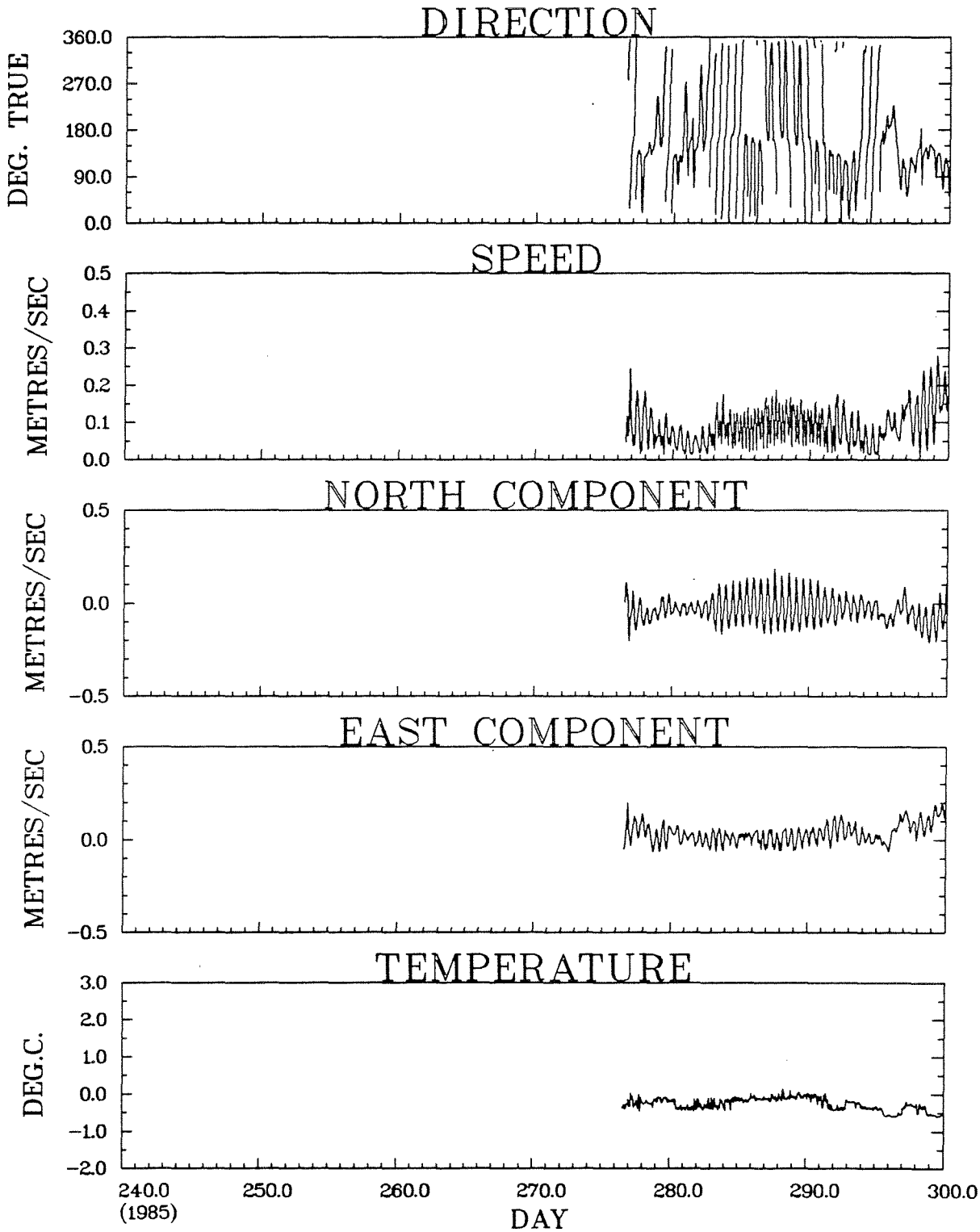
Latitude	76° 29.2N	Deployment	1220Z 3 Oct., 1985
Longitude	73° 37.2W	Recovery	0005Z 22 Aug., 1986
Water Depth	546 m	Duration	322 d

RECORD LENGTH STATISTICS

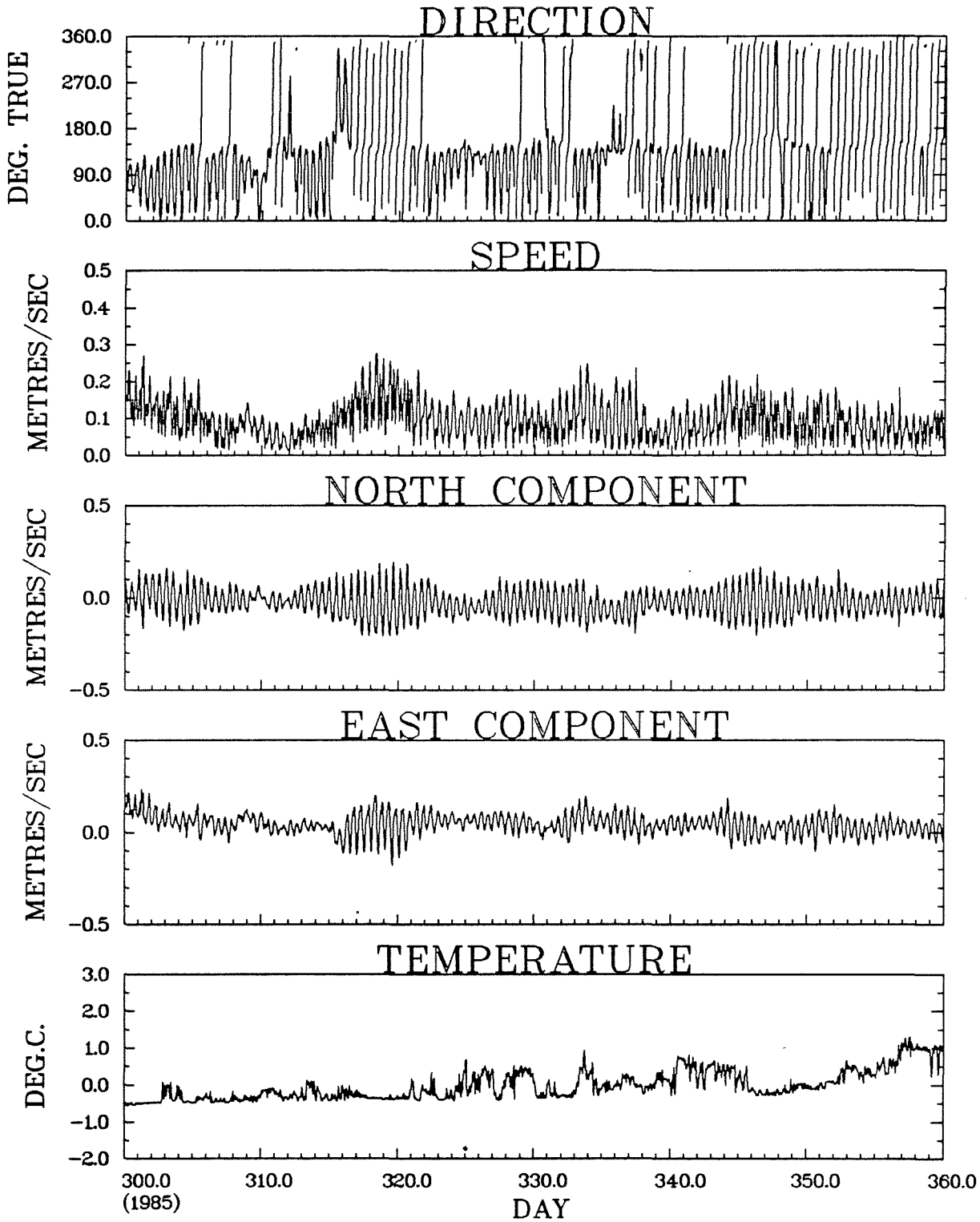
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7738	309	334	322	2.8
Temperature (T)	°C	7737	-0.60	1.67	0.12	0.34
Salinity (S)	PSS78	7733	34.00	34.45	34.21	0.06
Speed (R)	$m.s^{-1}$	7738	0.015	0.399	0.089	0.050
Northeast Component (V)	$m.s^{-1}$	7738	-.162	0.216	0.008	0.042
Southeast Component (U)	$m.s^{-1}$	7738	-.234	0.388	0.042	0.083

MONTHLY MEANS

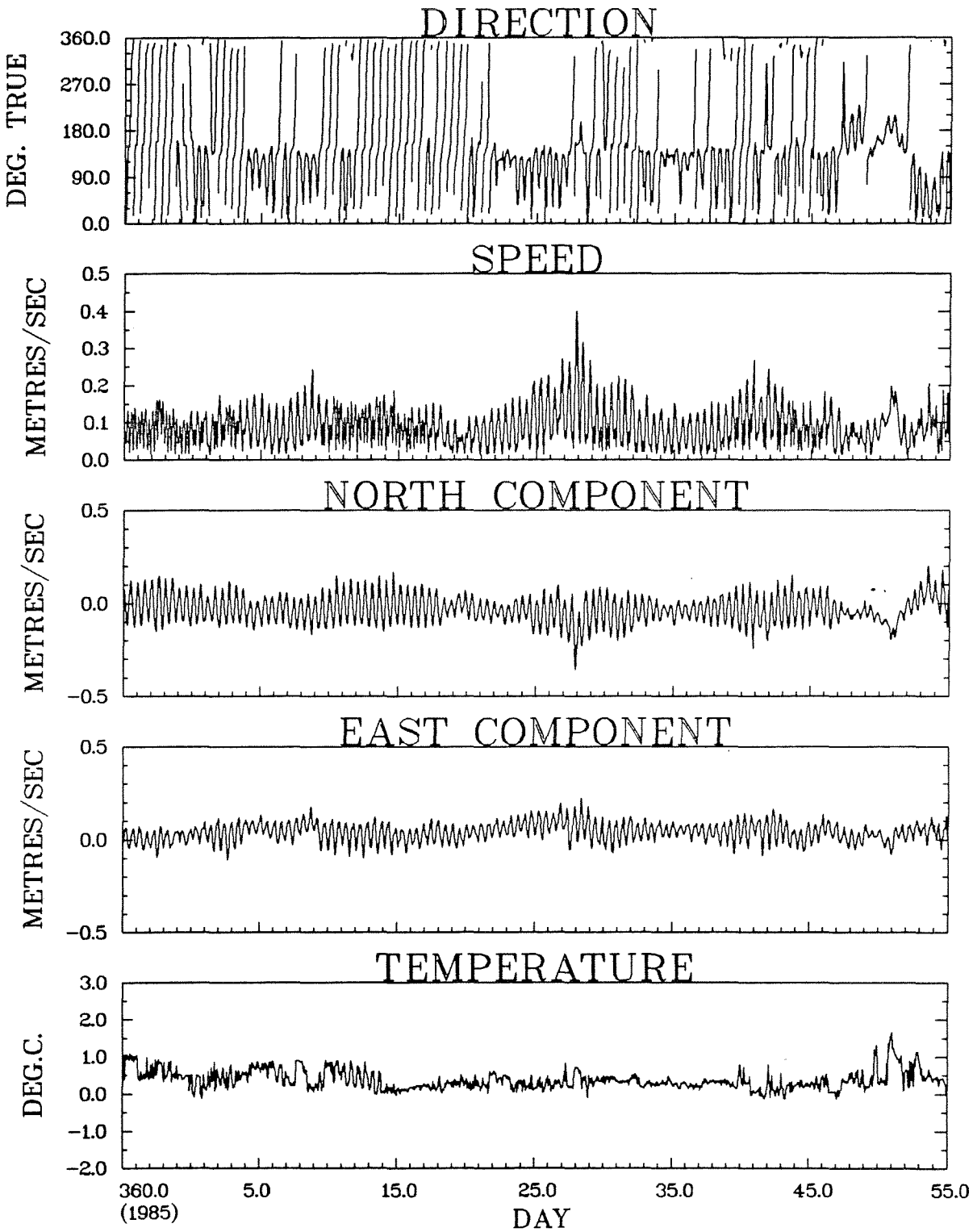
	Samples	T	S	R	V	U
October	682	-0.29±0.17	34.19±0.04	0.097±.052	0.012±.055	0.050±.080
November	720	-0.19±0.26	34.22±0.04	0.096±.052	0.015±.042	0.049±.087
December	744	0.32±0.39	34.27±0.03	0.085±.045	0.005±.037	0.036±.081
January	744	0.37±0.23	34.27±0.04	0.098±.058	0.007±.035	0.058±.090
February	672	0.33±0.28	34.27±0.04	0.089±.048	-.000±.044	0.046±.078
March	744	0.40±0.32	34.23±0.03	0.092±.050	0.009±.037	0.044±.088
April	720	0.06±0.17	34.17±0.02	0.095±.052	0.012±.034	0.053±.087
May	744	0.26±0.19	34.19±0.03	0.081±.043	0.007±.039	0.032±.077
June	720	0.05±0.31	34.19±0.04	0.092±.057	0.009±.037	0.055±.085
July	744	-0.01±0.23	34.14±0.03	0.077±.046	0.014±.049	0.013±.073
August	504	-0.05±0.18	34.09±0.03	0.075±.041	0.000±.048	0.026±.067



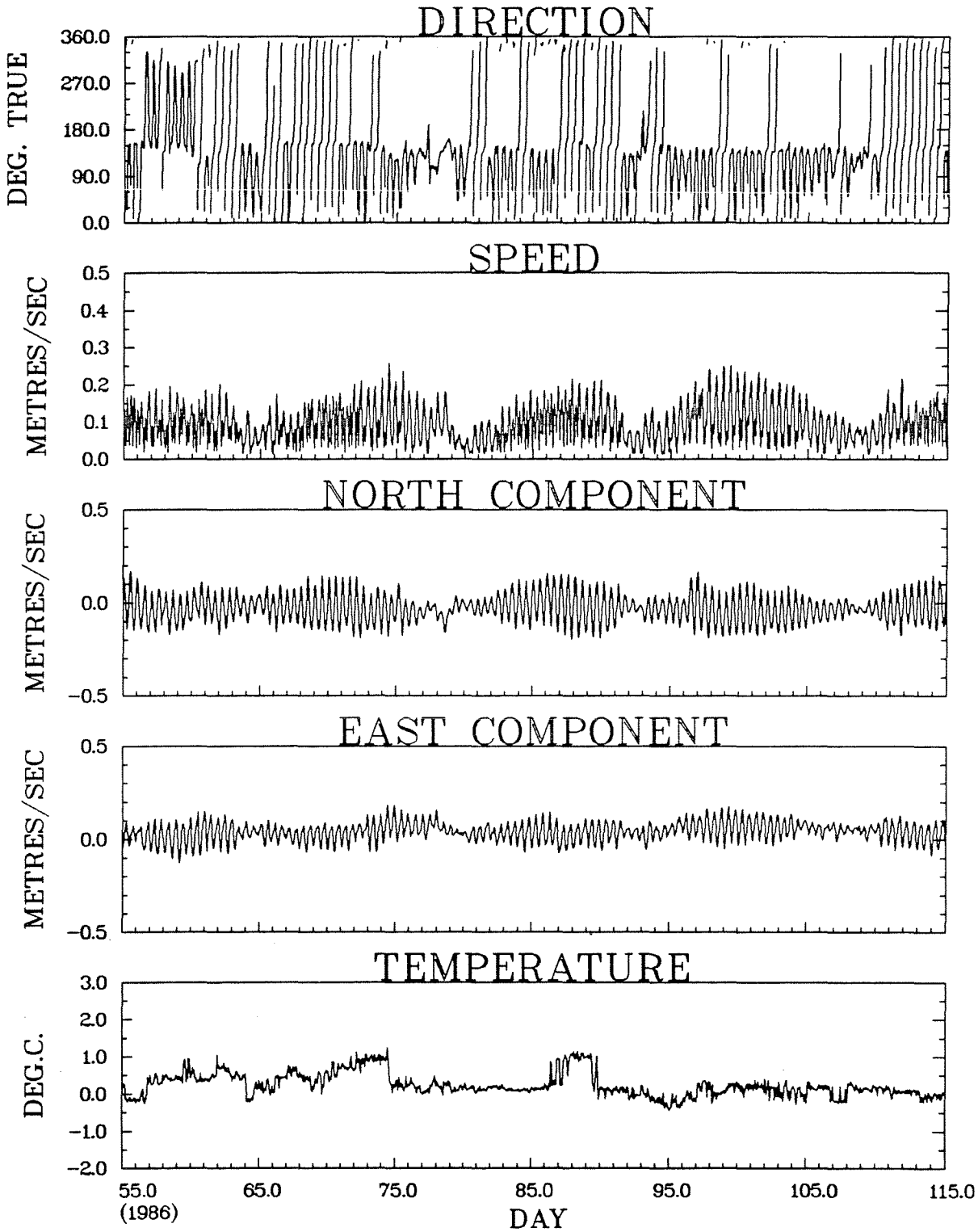
MOORING 703 AT 324M
NORTHERN BAFFIN BAY 1985/6



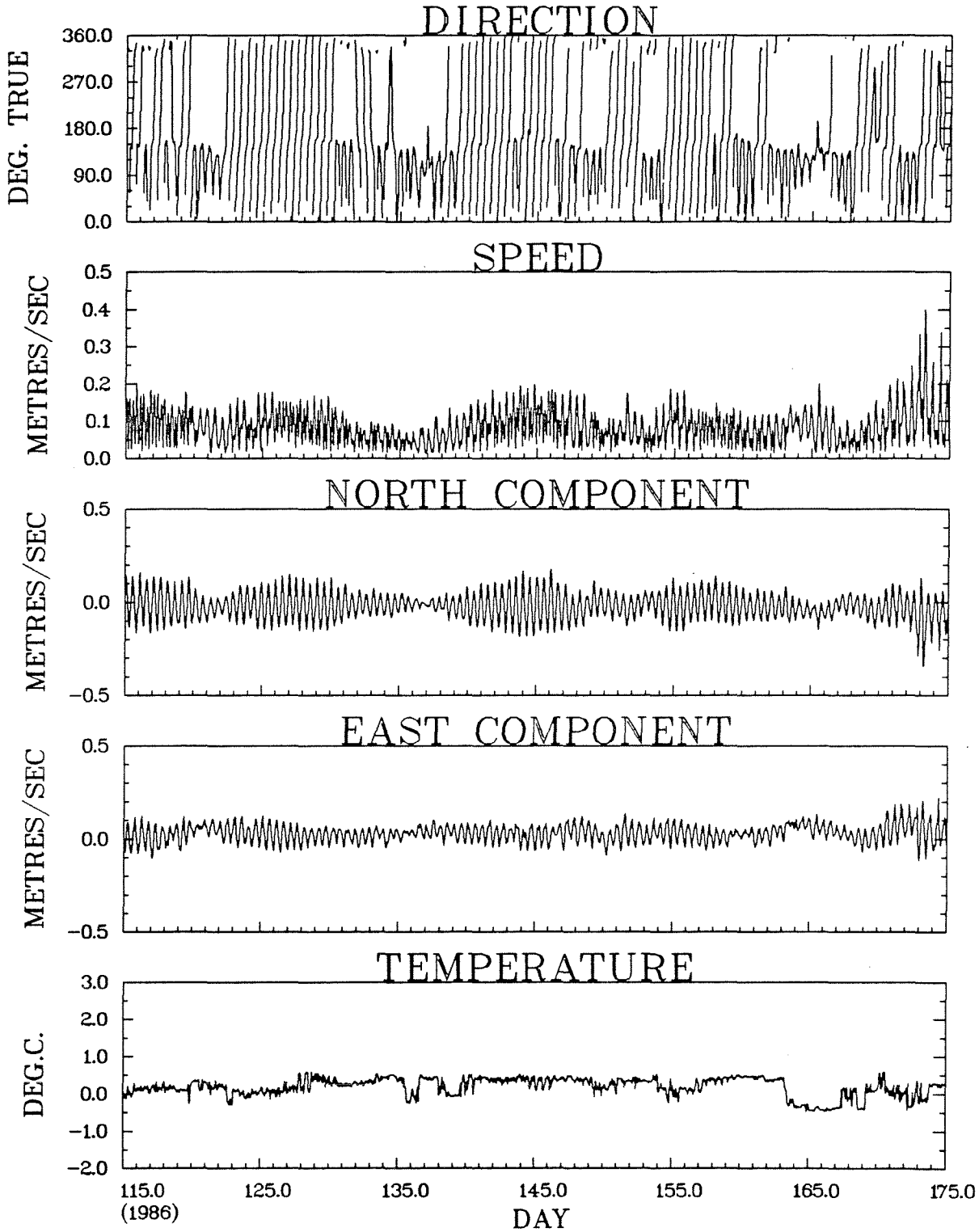
MOORING 703 AT 324M
NORTHERN BAFFIN BAY 1985/6



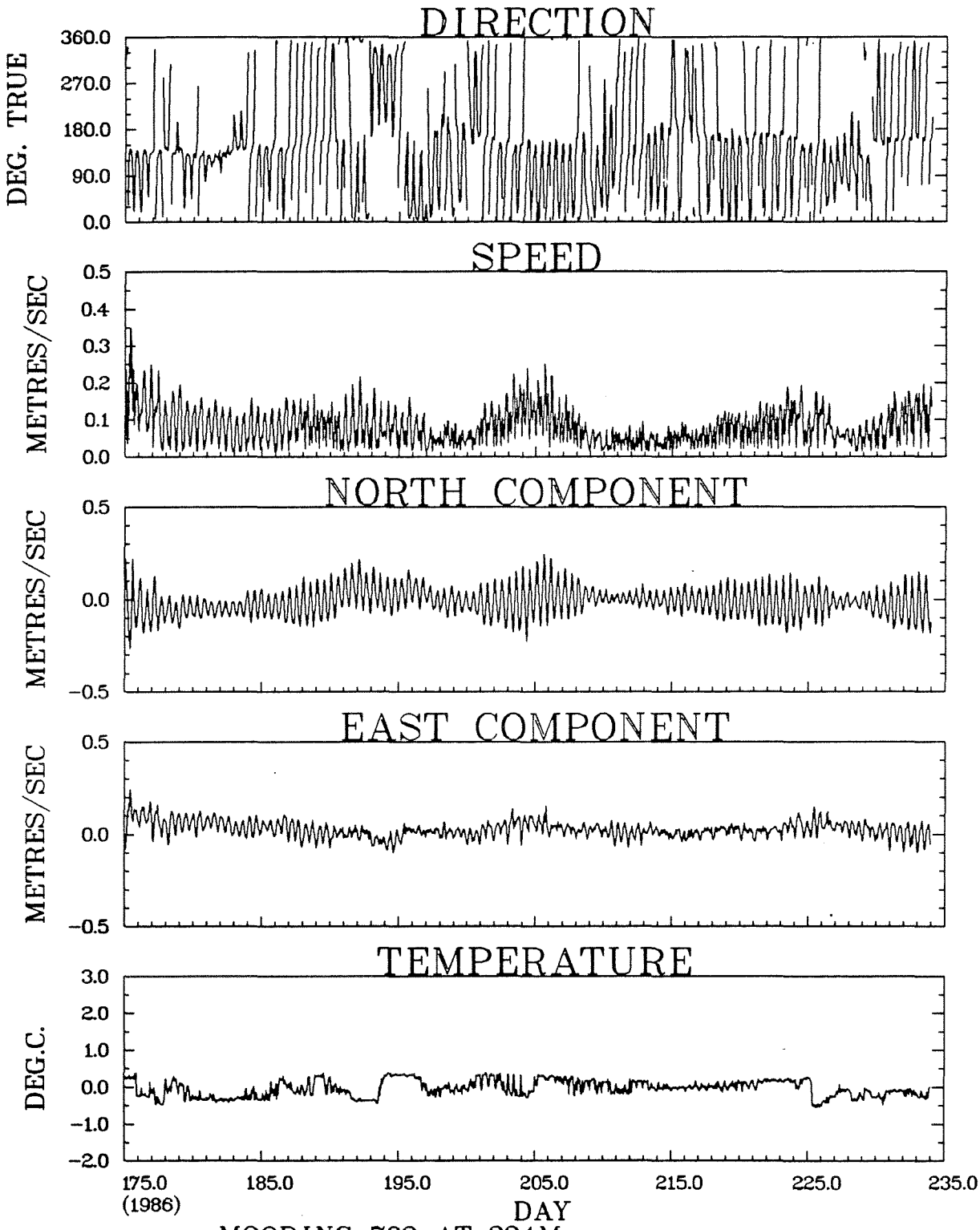
MOORING 703 AT 324M
NORTHERN BAFFIN BAY 1985/6



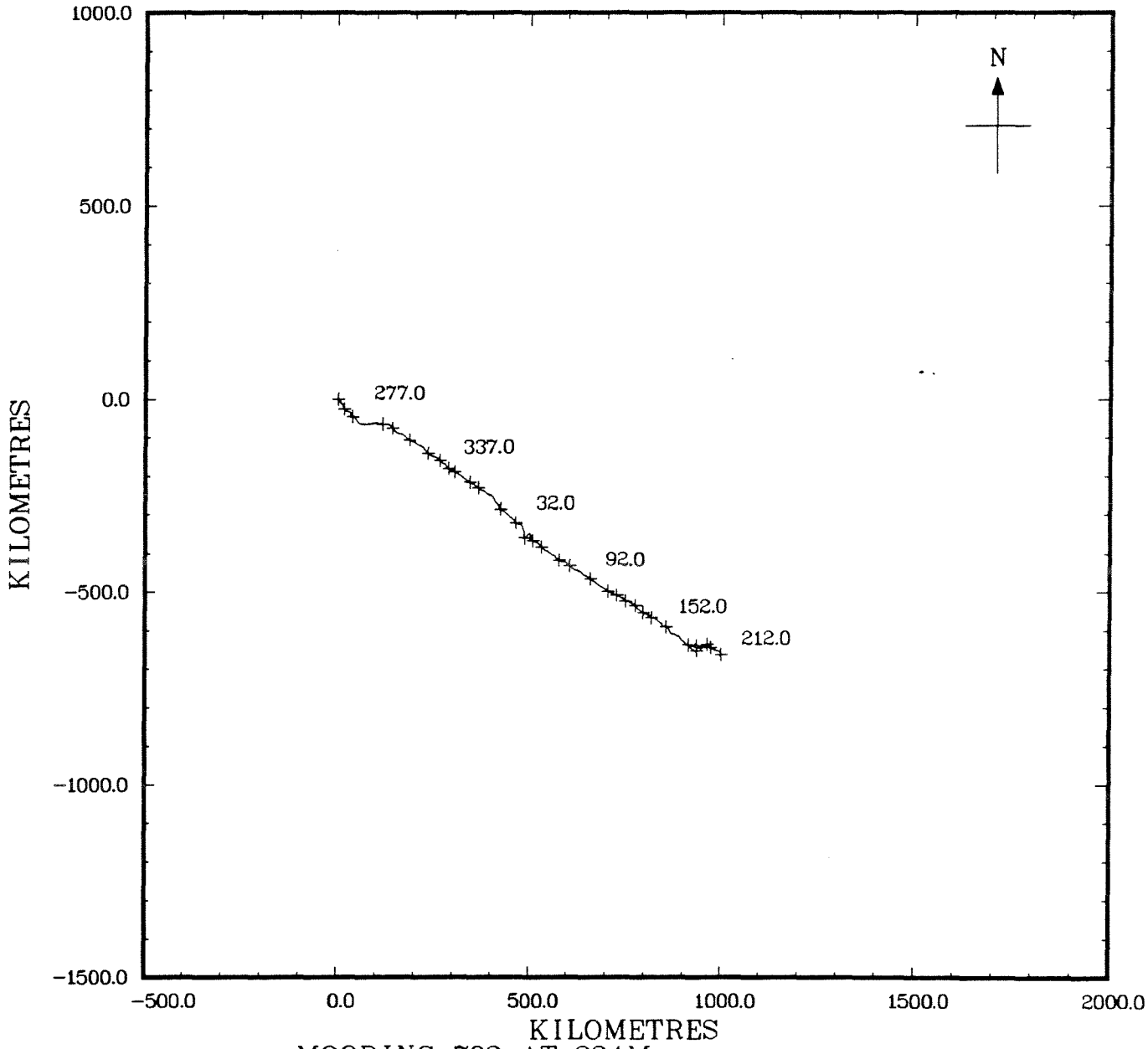
MOORING 703 AT 324M
NORTHERN BAFFIN BAY 1985/6



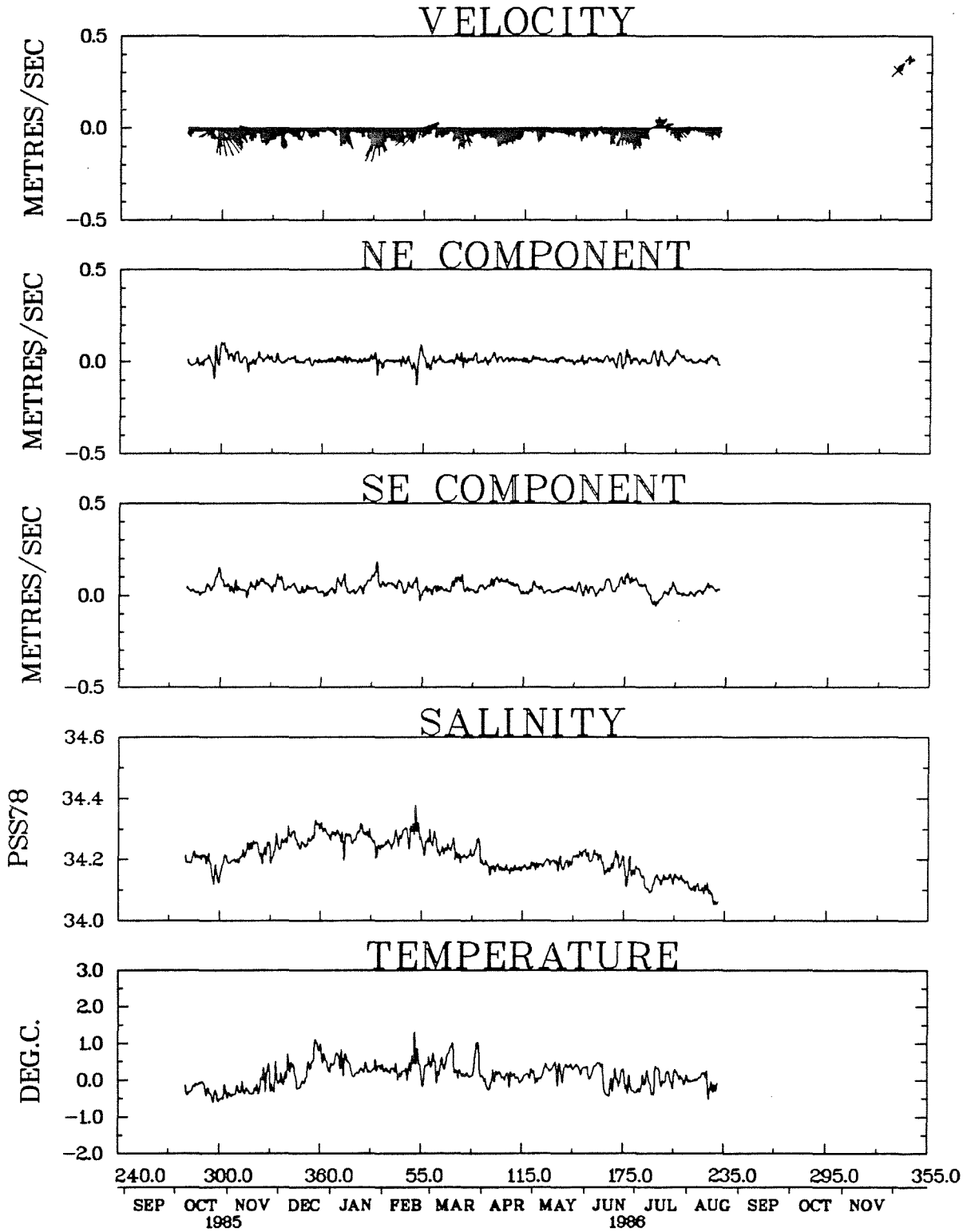
MOORING 703 AT 324M
NORTHERN BAFFIN BAY 1985/6



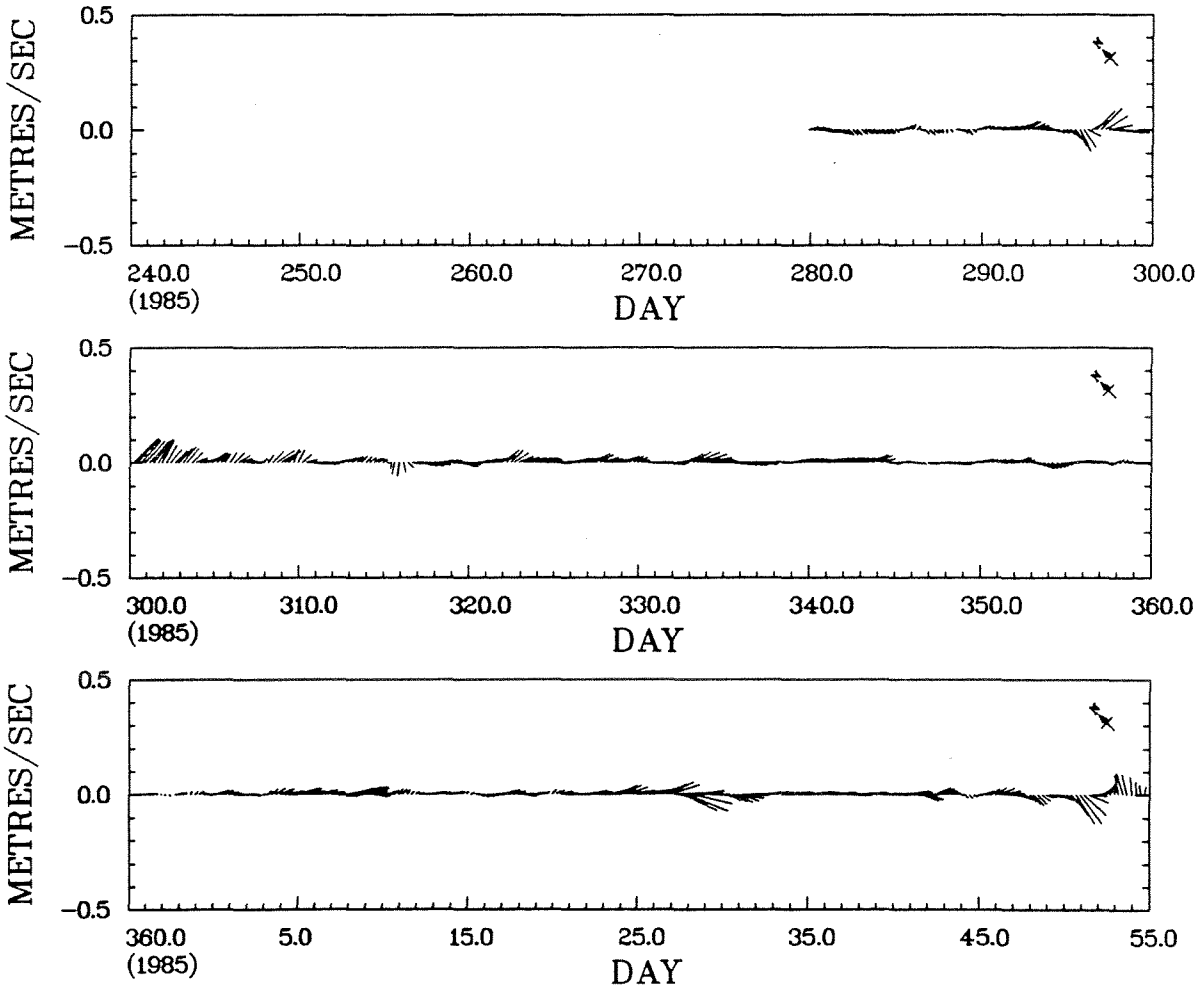
MOORING 703 AT 324M
NORTHERN BAFFIN BAY 1985/6



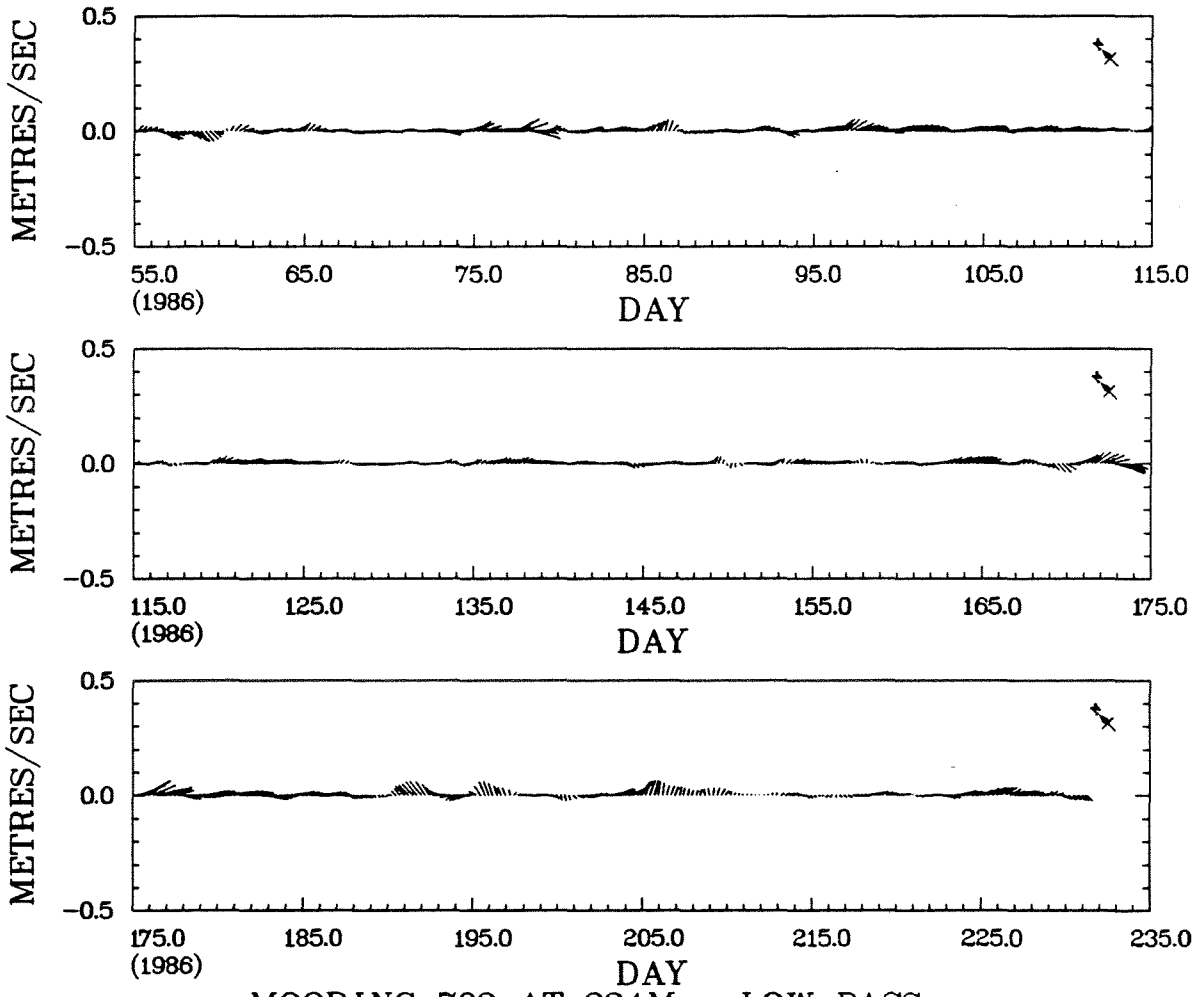
MOORING 703 AT 324M
NORTHERN BAFFIN BAY 1985/6



MOORING 703 AT 324M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 703 AT 324M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



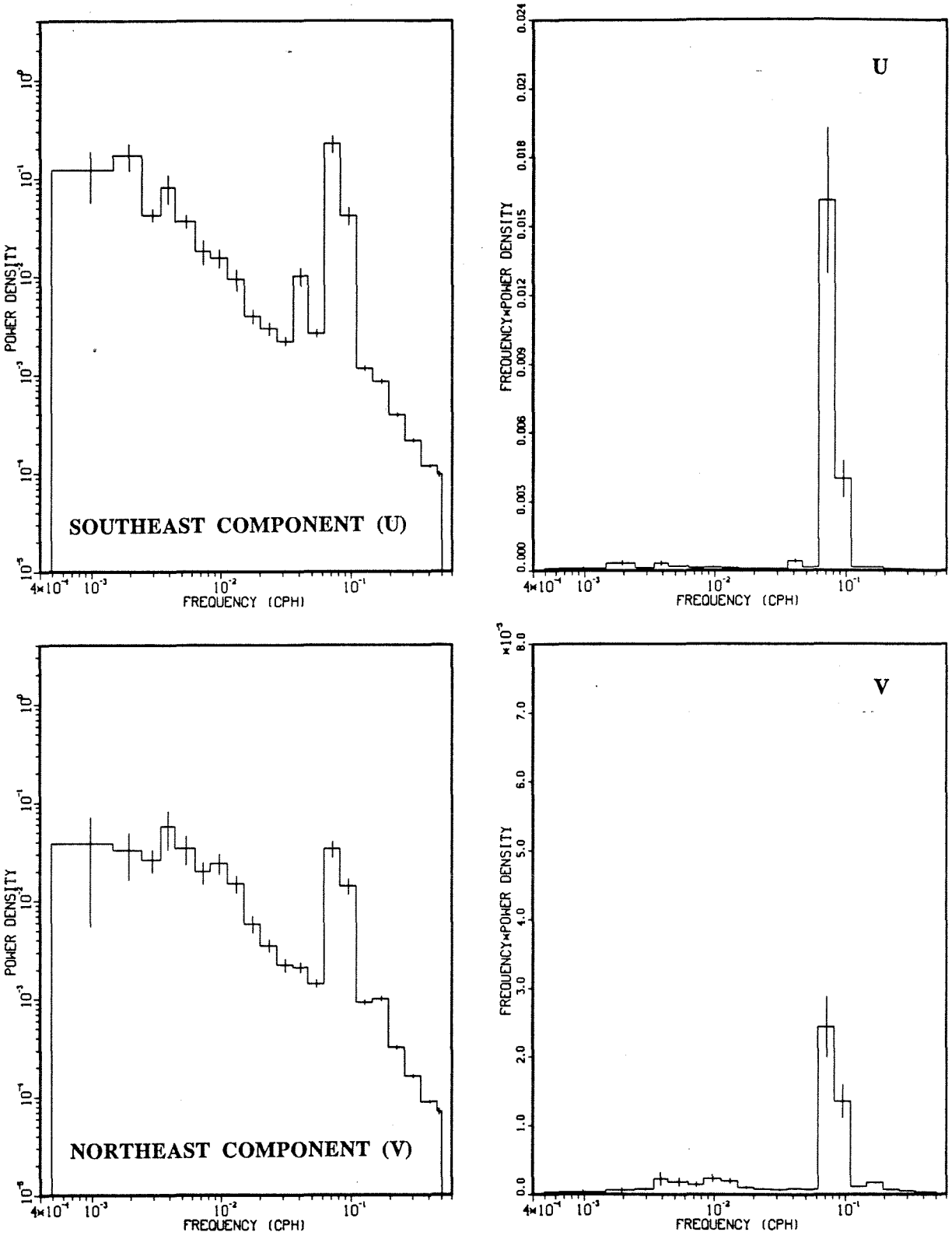
MOORING 703 AT 324M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 703
Depth 324 m

Tidal Analysis

322.4 d centred at day 072,1986

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	.011	.000	124	33	C		.006	213	.009	33
O1	.003	.001	115	325	C		.001	163	.003	321
P1	.003	.001	125	26	A		.002	192	.003	33
M2	.100	.012	331	26	C		.088	30	.049	193
S2	.041	.002	339	59	C		.039	60	.015	233
N2	.022	.004	339	355	C		.020	359	.009	148
K2	.012	.000	329	64	C		.010	65	.006	240
MF	.003	.001	353	10	A		.003	7	.001	264
M4	.003	.002	43	119	C		.002	86	.002	157
MS4	.003	.001	24	116	C		.003	104	.002	162



MOORING 703 AT 324M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 703
Depth 531 m

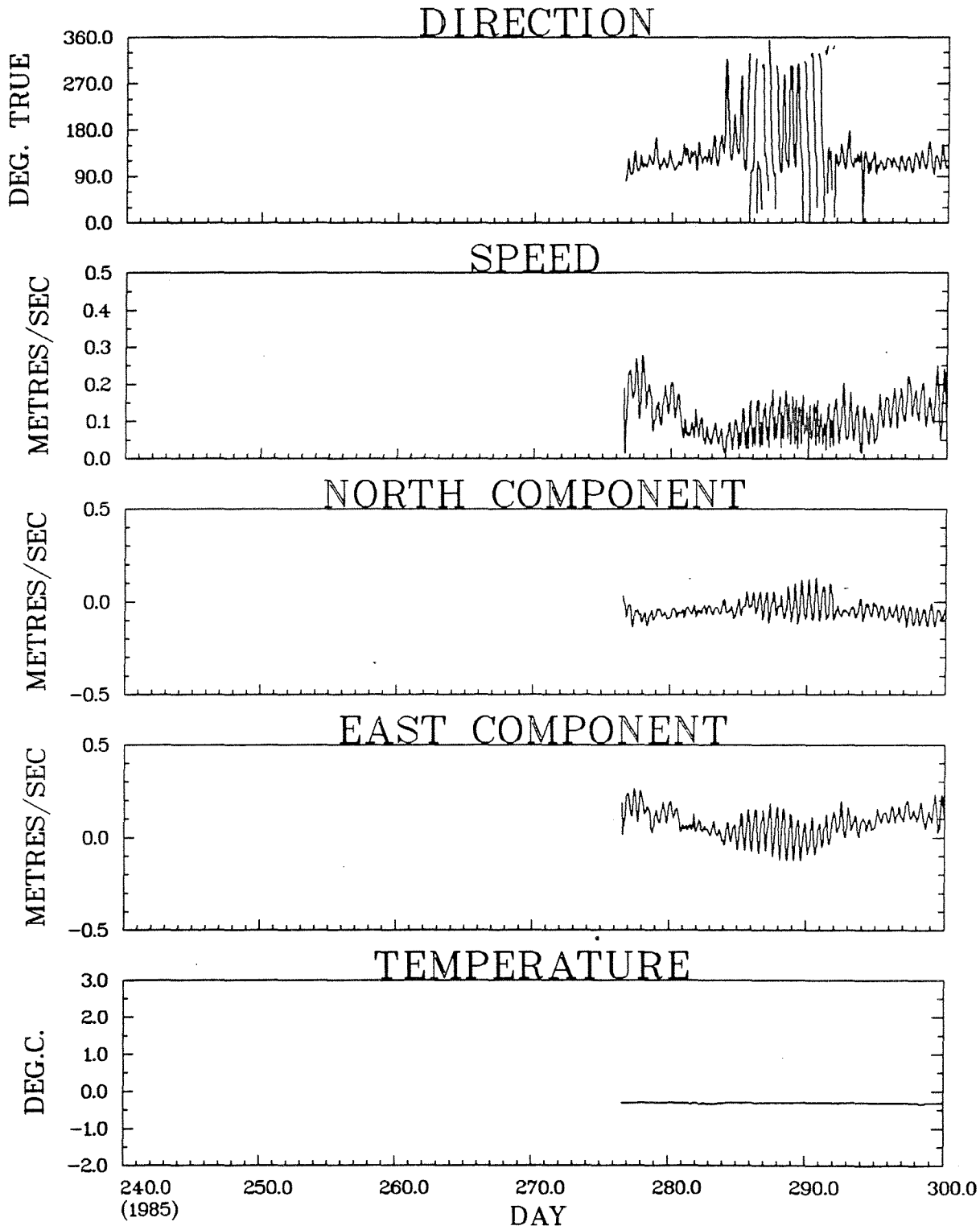
Latitude	76° 29.2N	Deployment	1220Z 3 Oct., 1985
Longitude	73° 37.2W	Recovery	0005Z 22 Aug., 1986
Water Depth	546 m	Duration	322 d

RECORD LENGTH STATISTICS

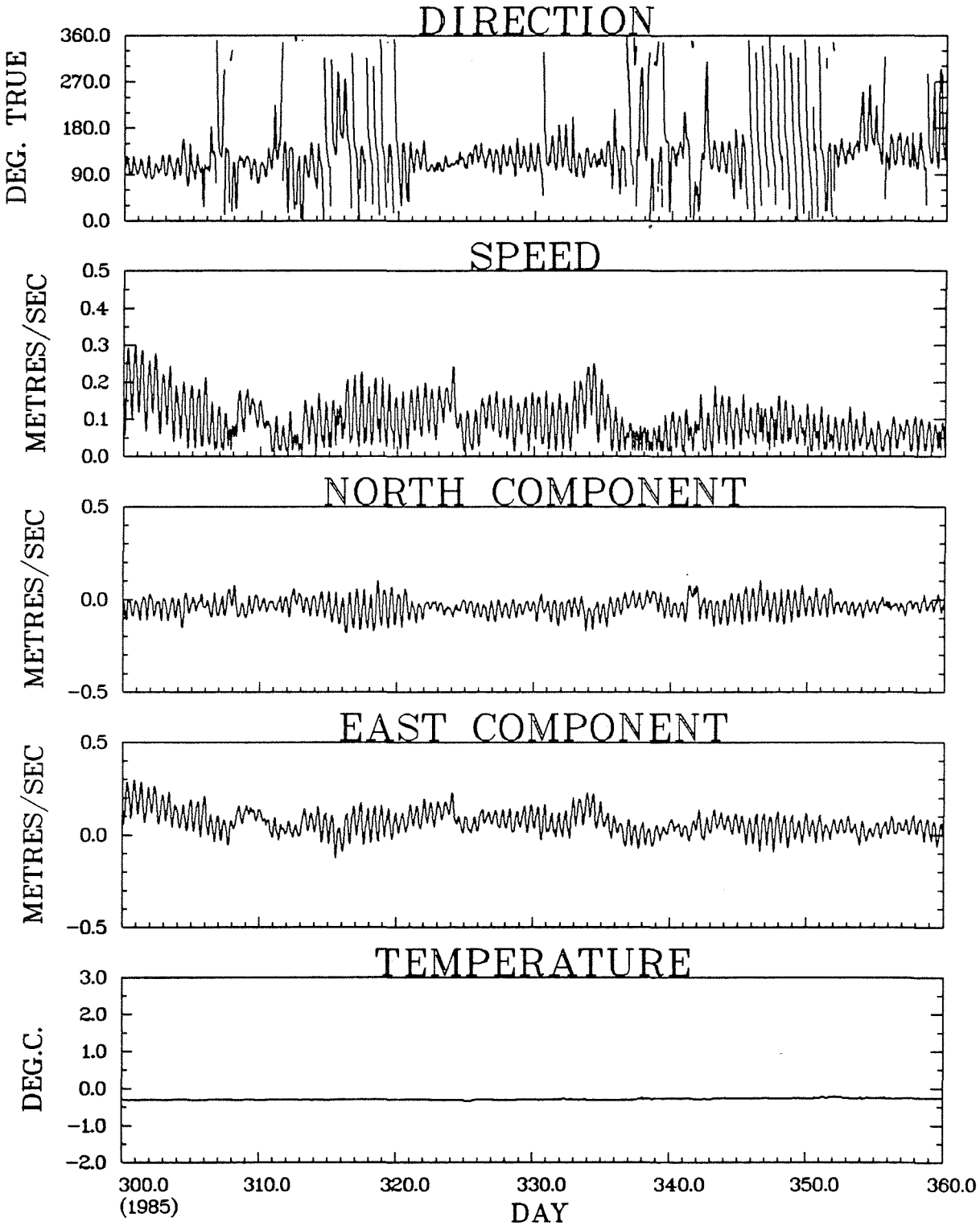
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	7738	543	549	545	1.1
Temperature (T)	°C	7738	-0.39	2.87	-0.18	0.14
Salinity (S)	PSS78	7735	34.13	34.50	34.37	0.07
Speed (R)	$m.s^{-1}$	7738	0.015	0.305	0.097	0.052
Northeast Component (V)	$m.s^{-1}$	7738	-.120	0.193	0.019	0.041
Southeast Component (U)	$m.s^{-1}$	7738	-.171	0.273	0.069	0.072

MONTHLY MEANS

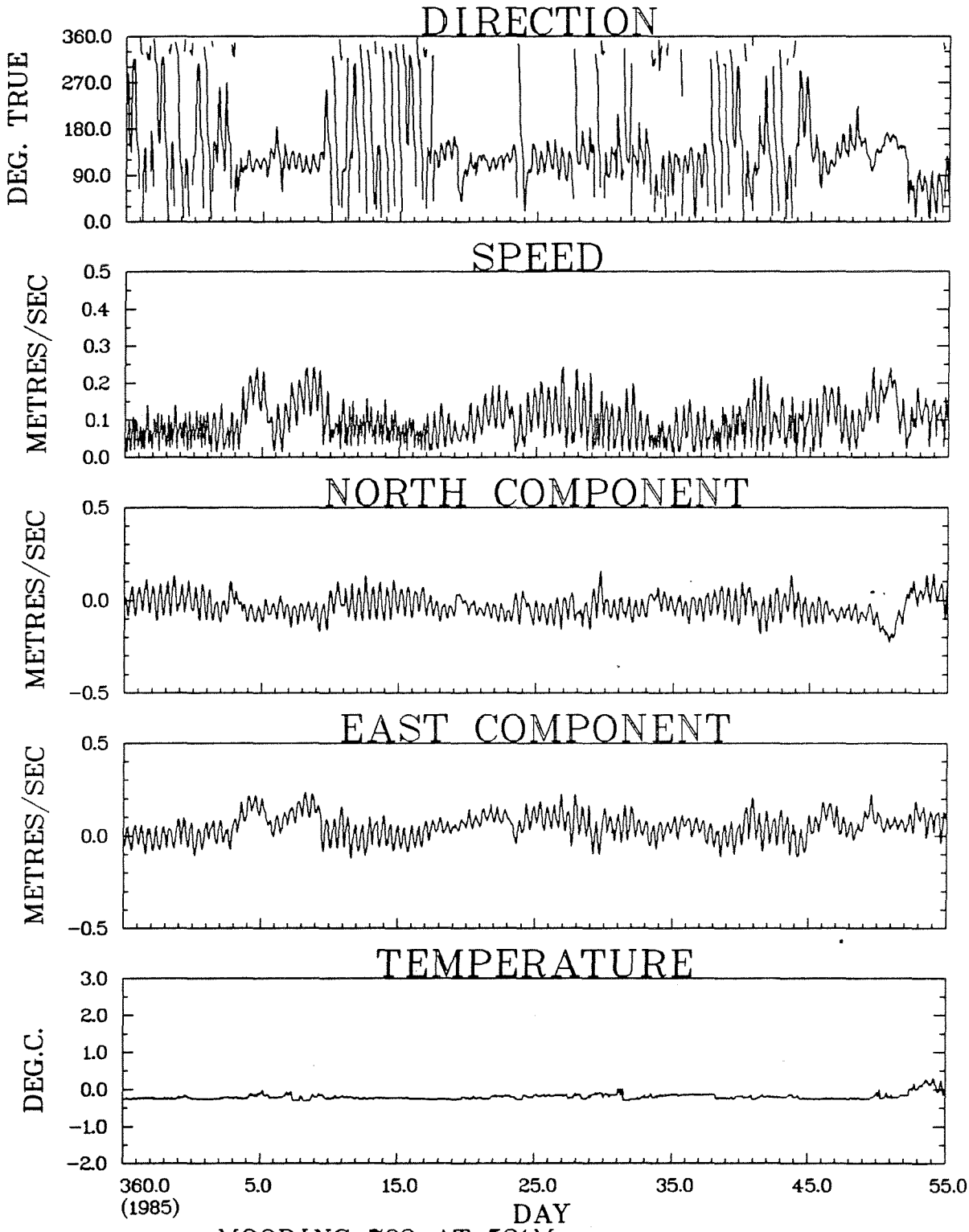
	Samples	T	S	R	V	U
October	682	-0.31±0.01	34.43±0.02	0.122±.060	0.032±.048	0.094±.079
November	720	-0.31±0.01	34.41±0.03	0.103±.054	0.024±.041	0.084±.065
December	744	-0.26±0.03	34.41±0.02	0.070±.036	0.003±.031	0.036±.064
January	744	-0.22±0.05	34.41±0.03	0.102±.053	0.018±.040	0.070±.080
February	672	-0.15±0.11	34.40±0.03	0.101±.053	0.009±.053	0.064±.079
March	744	-0.02±0.08	34.39±0.03	0.103±.051	0.022±.041	0.070±.078
April	720	-0.08±0.08	34.36±0.03	0.096±.049	0.019±.038	0.074±.066
May	744	-0.04±0.08	34.38±0.03	0.083±.042	0.015±.030	0.051±.070
June	720	-0.06±0.15	34.36±0.04	0.109±.058	0.022±.043	0.089±.070
July	744	-0.28±0.12	34.24±0.03	0.086±.042	0.024±.034	0.065±.056
August	504	-0.36±0.04	34.21±0.03	0.088±.041	0.019±.034	0.065±.060



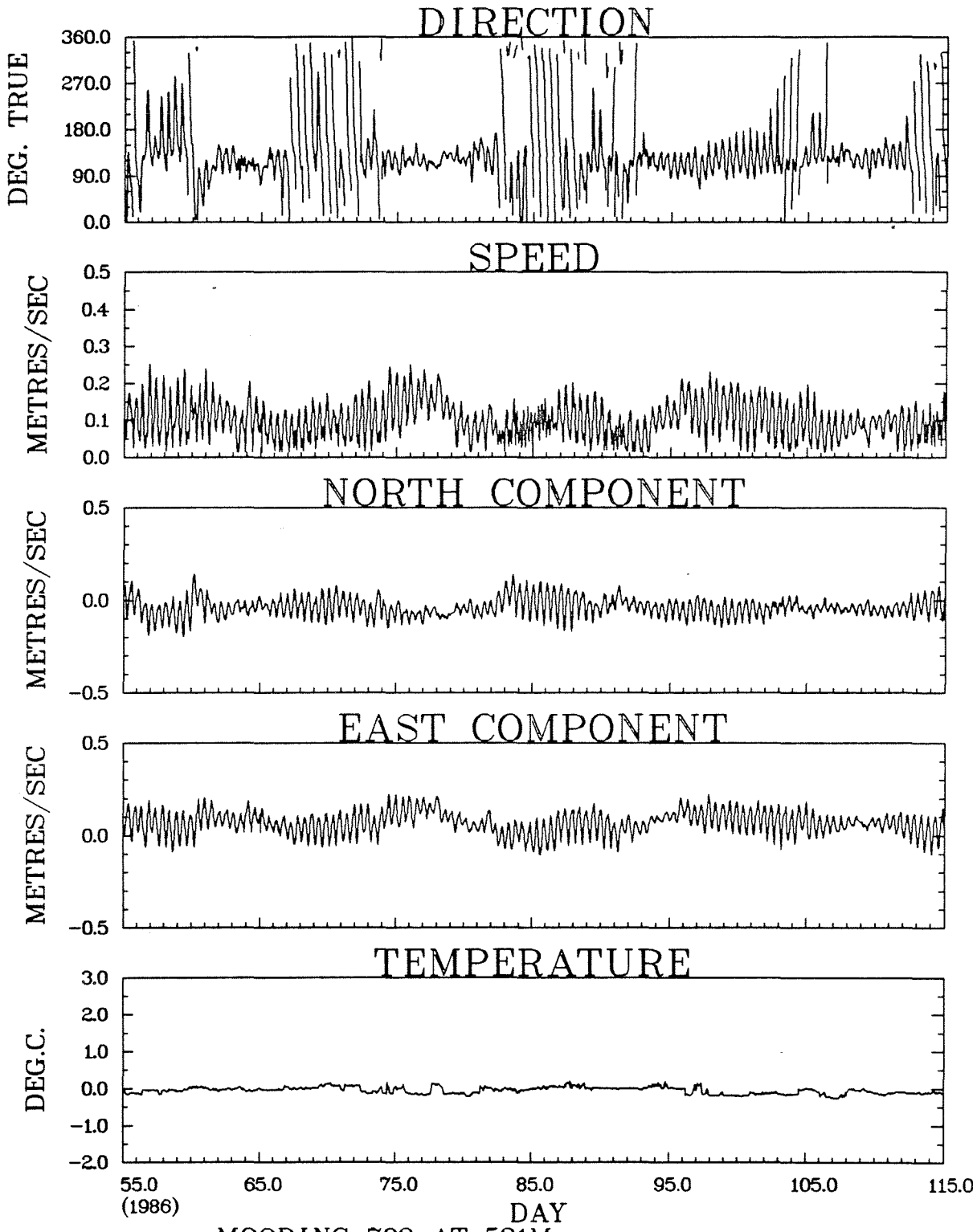
MOORING 703 AT 531M
NORTHERN BAFFIN BAY 1985/6



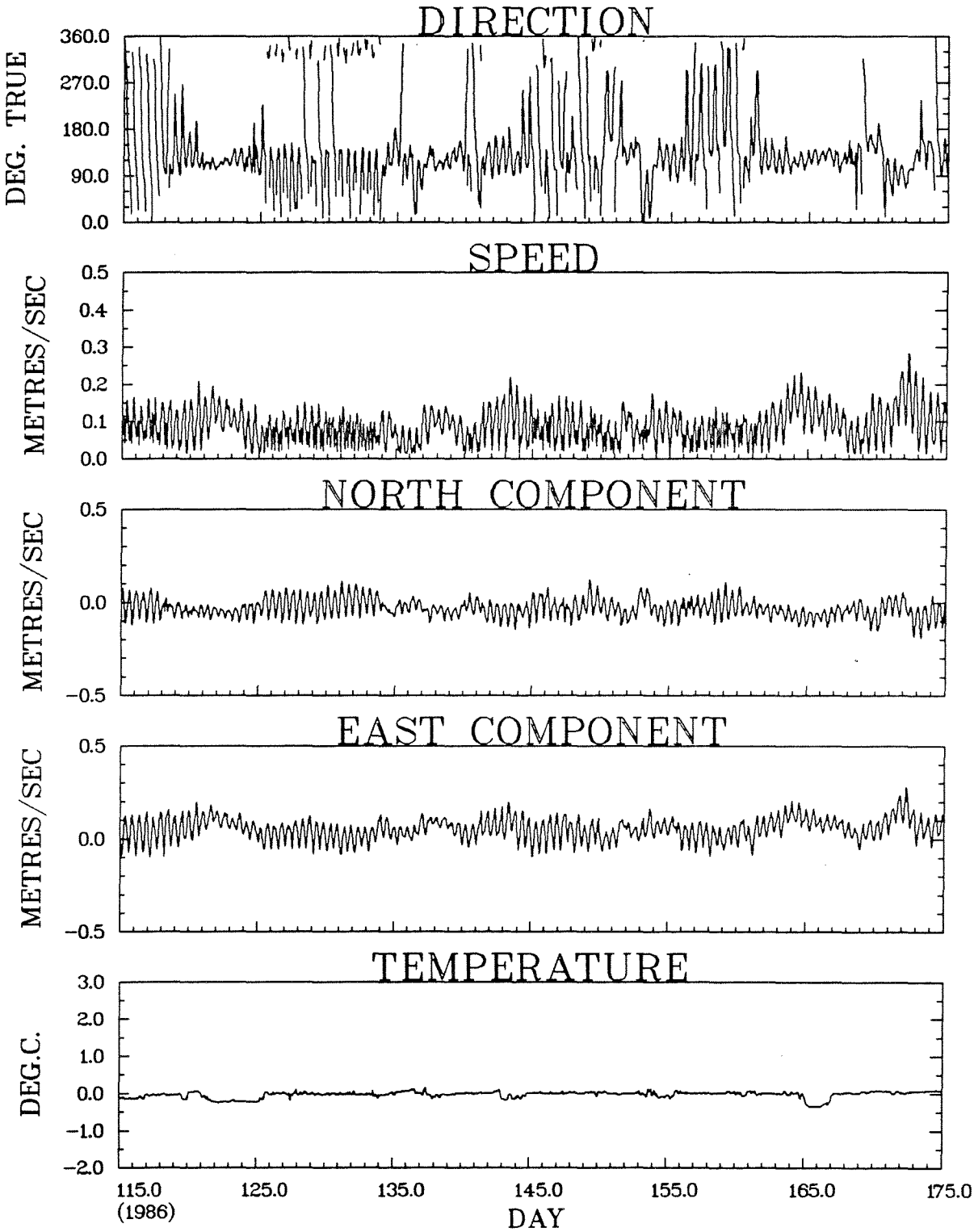
MOORING 703 AT 531M
NORTHERN BAFFIN BAY 1985/6



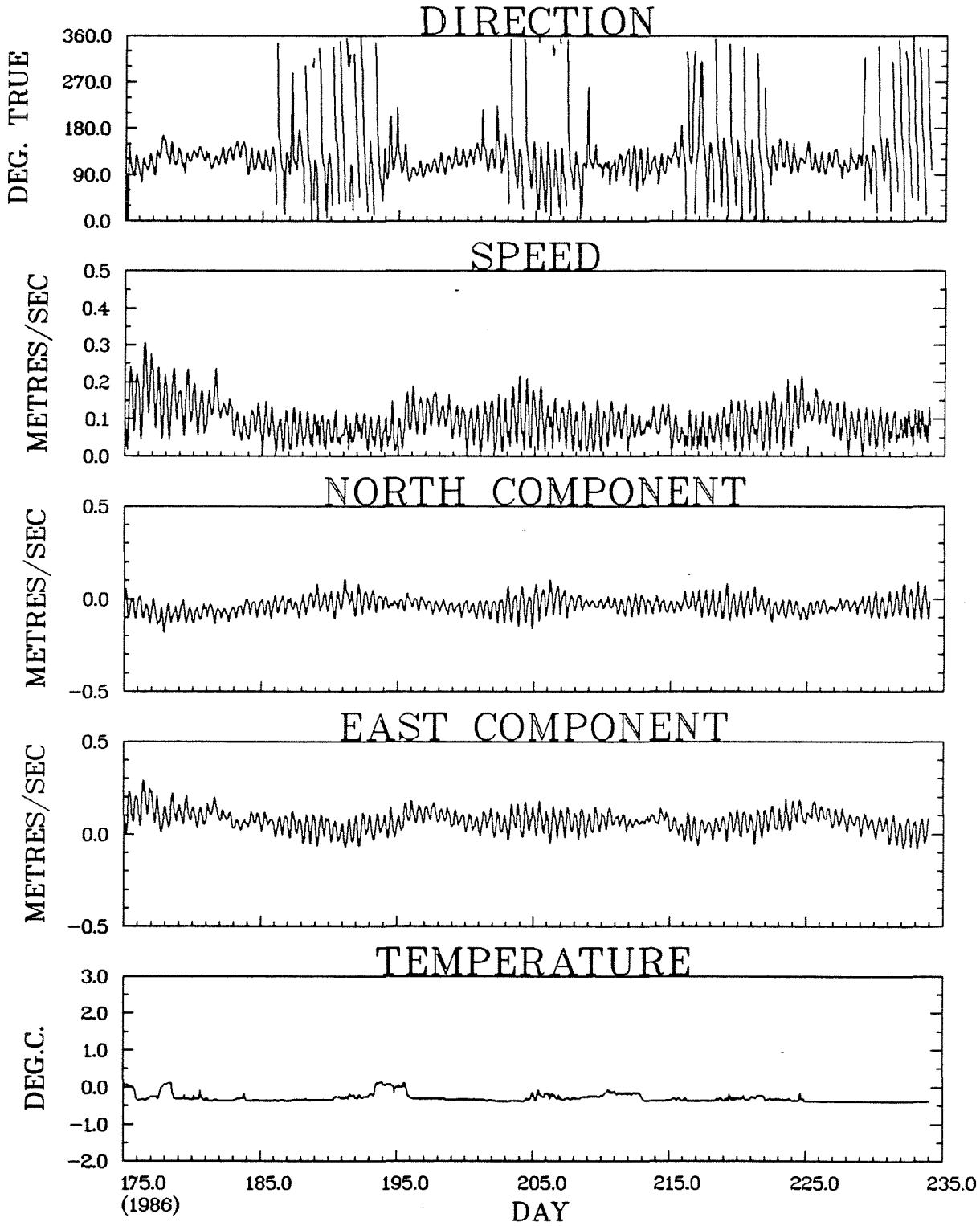
MOORING 703 AT 531M
NORTHERN BAFFIN BAY 1985/6



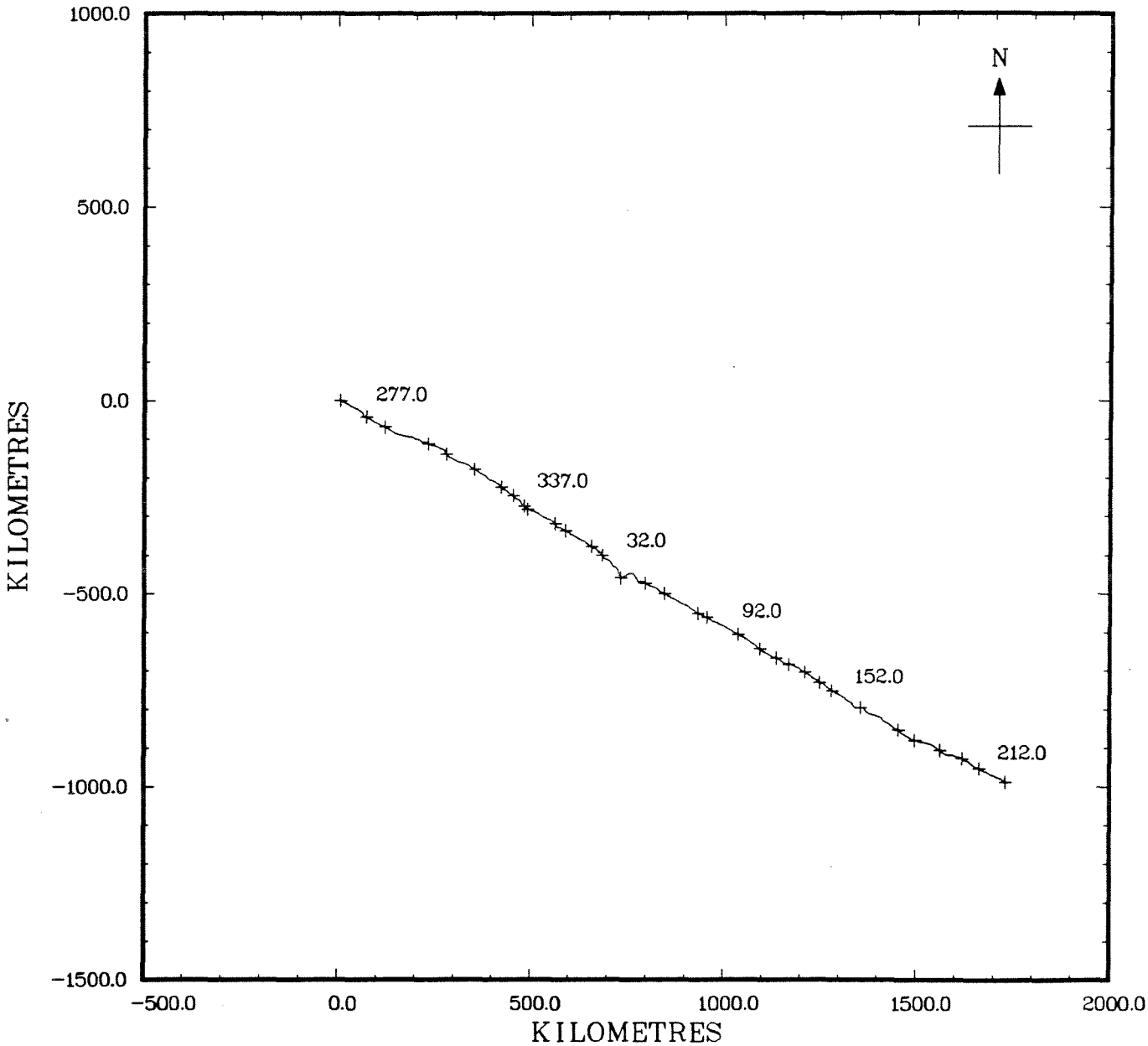
MOORING 703 AT 531M
NORTHERN BAFFIN BAY 1985/6



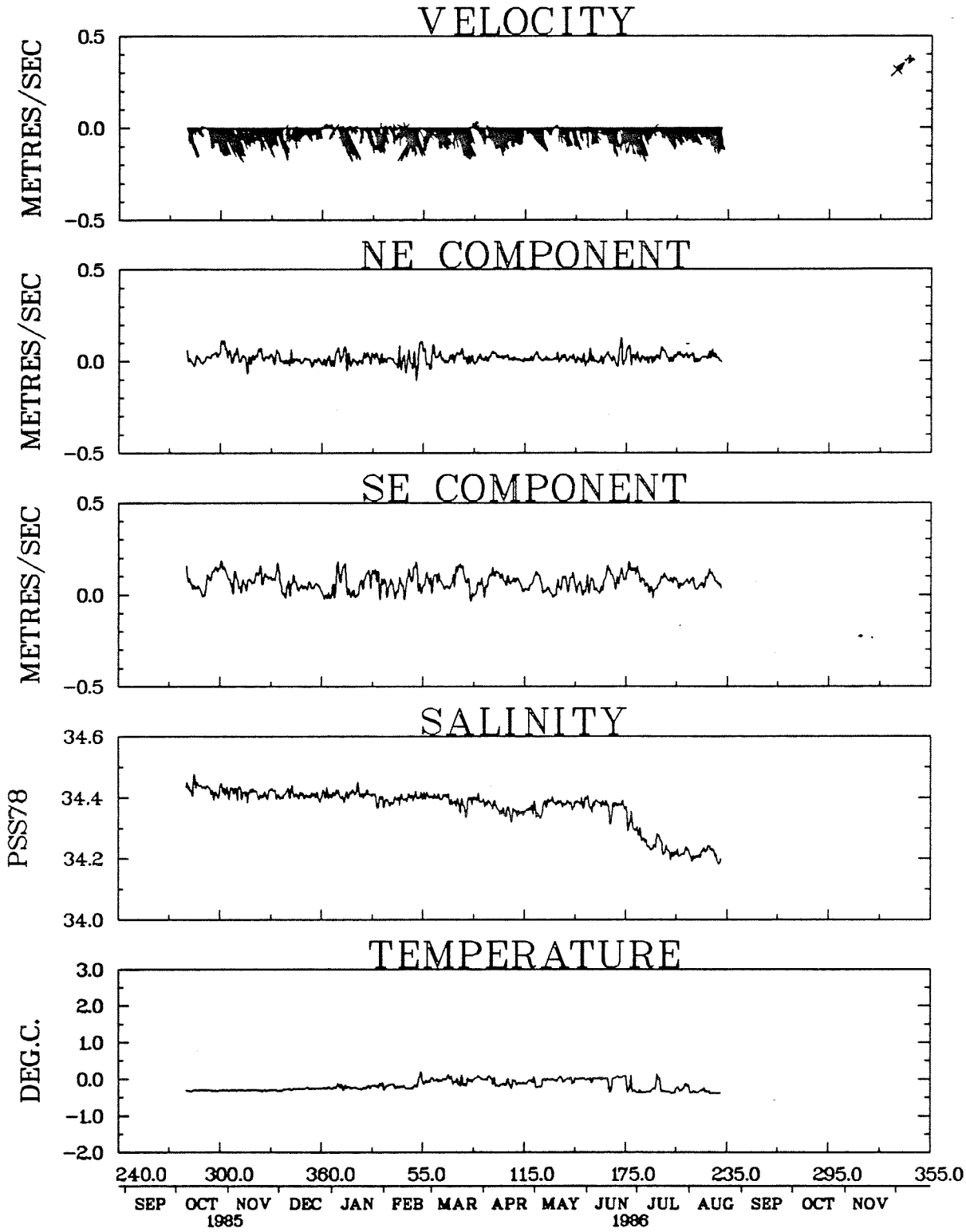
MOORING 703 AT 531M
NORTHERN BAFFIN BAY 1985/6



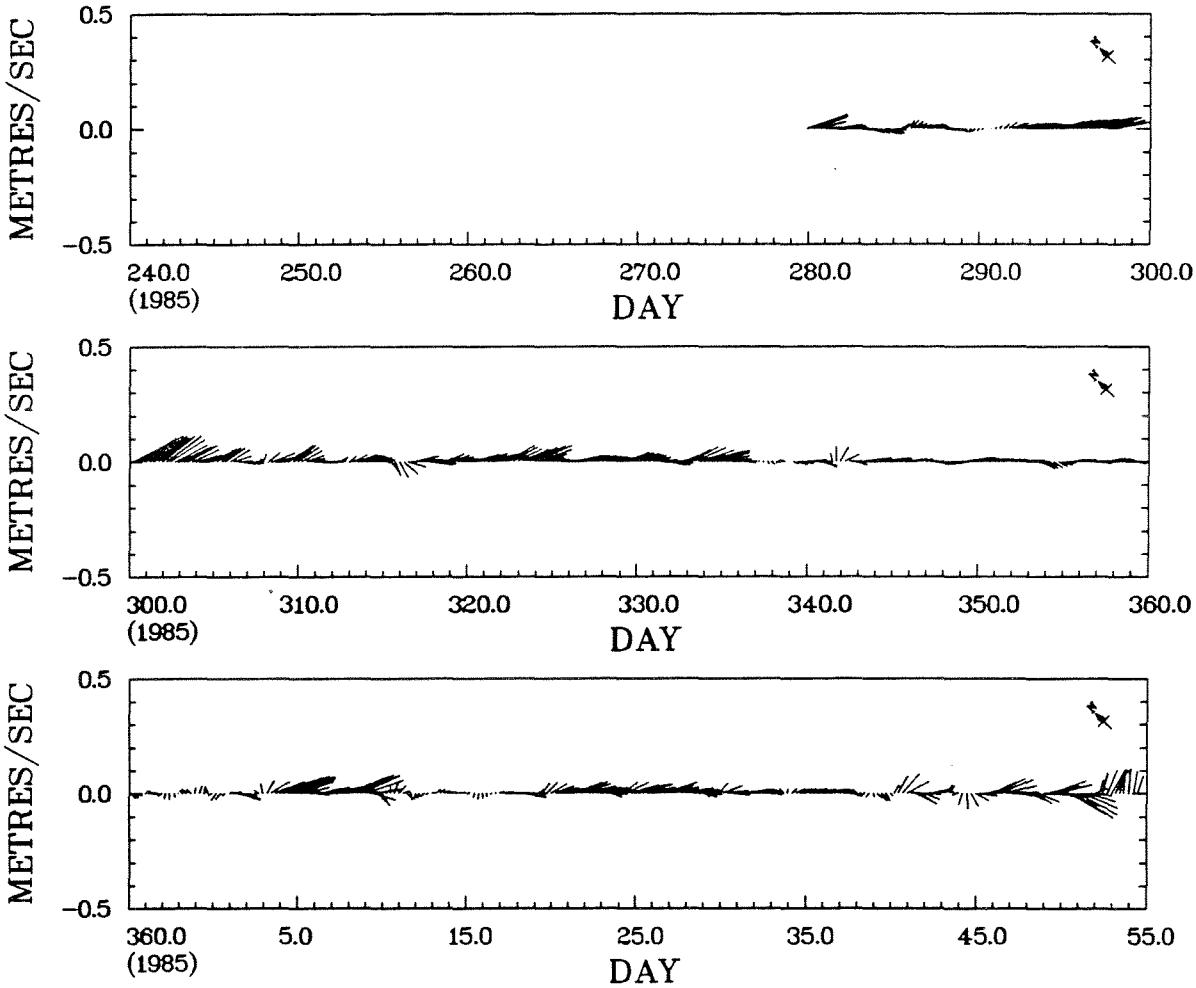
MOORING 703 AT 531M
NORTHERN BAFFIN BAY 1985/6



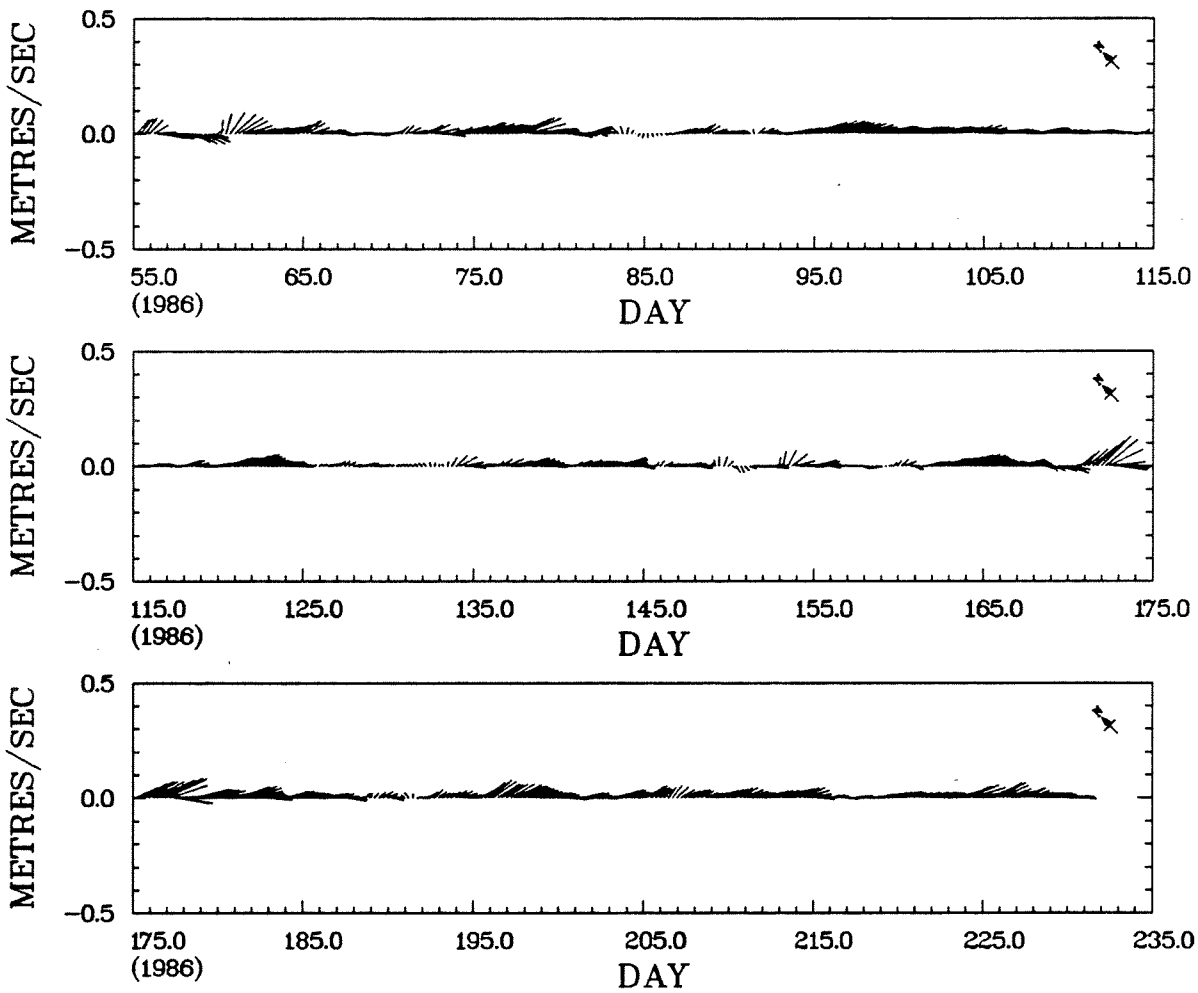
MOORING 703 AT 531M
NORTHERN BAFFIN BAY 1985/6



MOORING 703 AT 531M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



MOORING 703 AT 531M - LOW PASS
NORTHERN BAFFIN BAY 1985/6



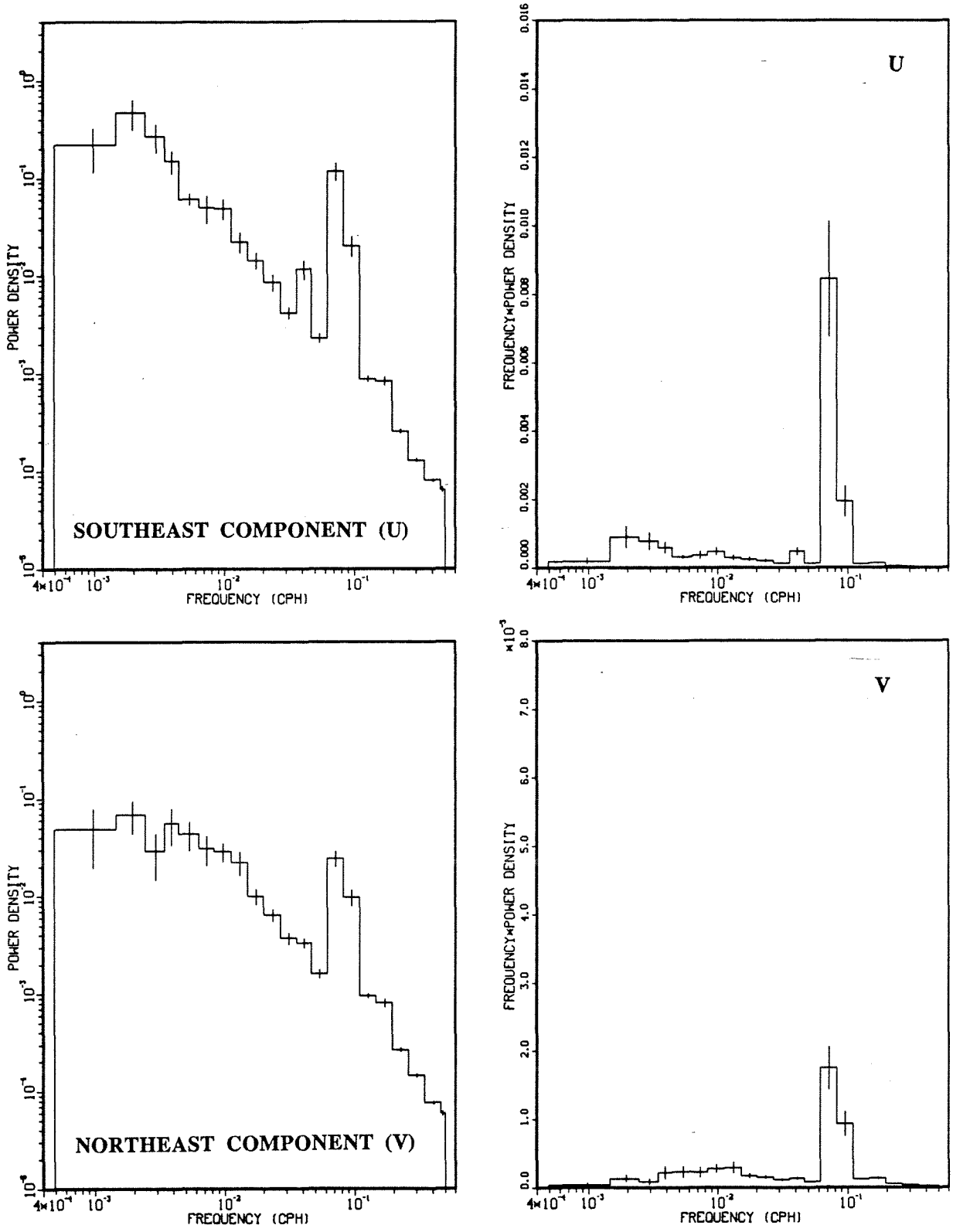
MOORING 703 AT 531M - LOW PASS
NORTHERN BAFFIN BAY 1985/6

Mooring 703
Depth 531 m

Tidal Analysis

322.4 d centred at day 072,1986

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	.012	.001	120	41	A	.006	215	.010	43
O1	.004	.001	109	349	C	.001	197	.004	345
P1	.004	.000	120	22	A	.002	196	.003	24
M2	.070	.028	129	234	A	.050	28	.057	252
S2	.028	.016	123	282	A	.021	60	.025	303
N2	.014	.007	135	203	A	.011	357	.011	229
K2	.007	.006	79	320	A	.006	36	.007	311
MF	.006	.001	121	121	A	.003	292	.005	124
M4	.006	.001	359	207	C	.006	207	.001	303
MS4	.003	.001	351	234	C	.003	235	.001	1



MOORING 703 AT 531M - LOW PASS
NORTHERN BAFFIN BAY 1985/6