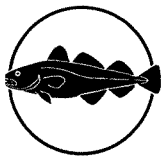
The Faroese Fisheries Laboratory

Fiskirannsóknarstovan



Traditional Current Meter Observations in Faroese Offshore Waters 1977 - 1994

by

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Technical Report No.: 99-01

Tórshavn

March 1999

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PART 1: Introduction

Abstract

This report describes features and processing for 56 current measurement data series obtained by the Faroese Fisheries Laboratory (Fiskirannsóknarstovan) by traditional (non-profiling) current meters deployed in offshore Faroese waters in the period 1977 to 1994. In this introduction we give an overview over the series, outline the procedures used to quality control and process the data and the format used to store the data on the accompanying CD-ROM. We also present a brief overview over some results. After that, each series is illustrated by 3-4 pages of metadata, statistics and plots in a format, described later in the section "Report format".

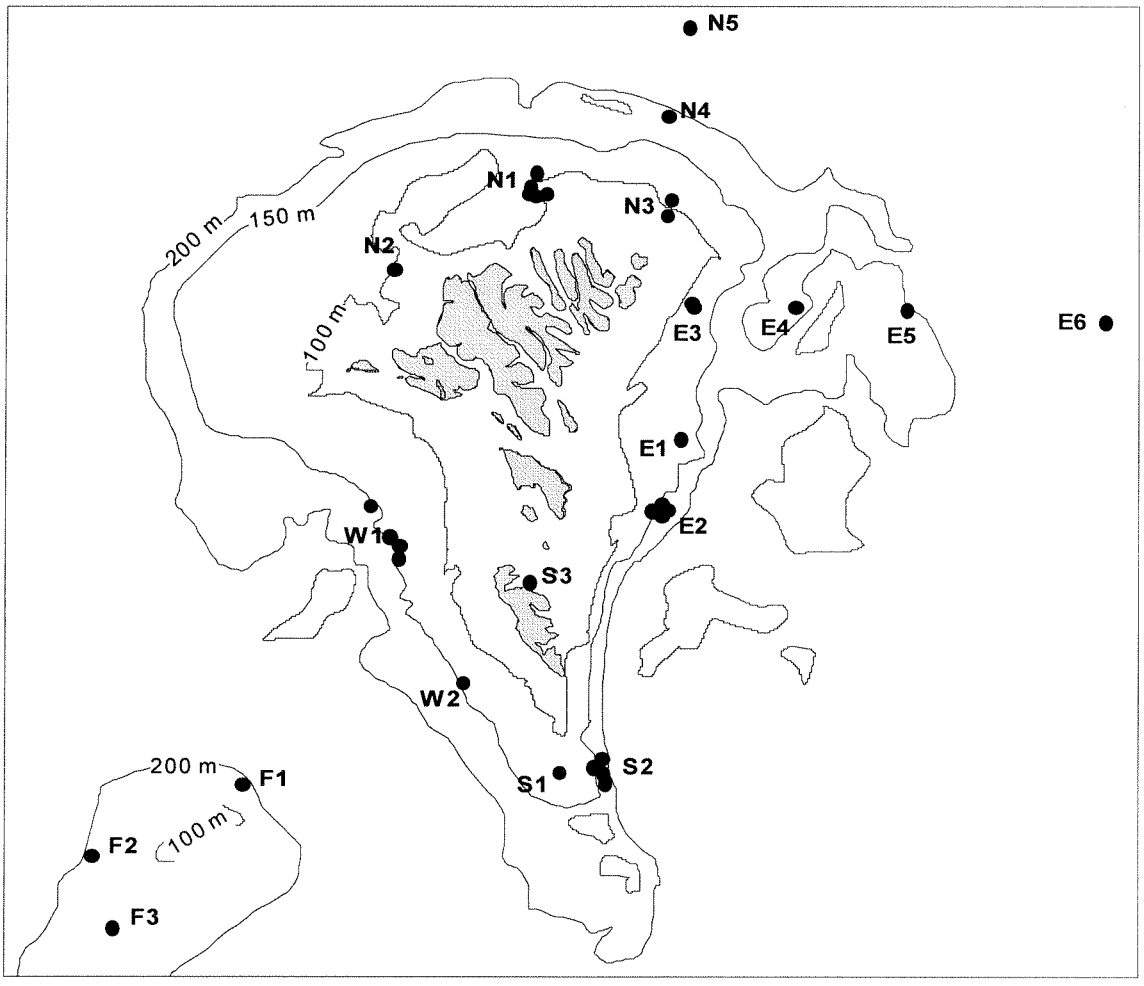


Figure 1. Locations of current meters are indicated by black circles. Labels identify the sites.

The series

The data series presented in this report and included on the accompanying CD-ROM are listed in Table 1. Each series is represented by an 8-character name, the *"series-id"*, with instrument id and a serial number. Many of the deployments have been close to one another and Figure 1 shows 19 different sites where one or more deployments have been made. In Table 1, the series have been grouped according to these sites and in the second part of the report, they are presented in this order.

Table 1. List of current observation series showing Type (Ty) of instrument which may be Aanderaa (Aa) or Sensordata (Se), deployment site (Si) referring to Figure 1, latitude, longitude and bottom depth (Bt.d), observational depth of instrument (Ob.d), deployment period (format yyyymmdd-yyyymmdd), number of observations (N.obs), sampling interval in minutes (Min) and number of days (Days) of duration. The last four columns indicate parameter observations and quality. For the parameters temperature (T), pressure (P), and salinity (S), a "+" in one of these columns indicates that the parameter was observed and has a reasonable quality, "?" indicates questionable quality and "-" indicates that there are no acceptable observations of the parameter. The last column indicates, whether current observations (current speed and direction) are available for the whole series. If only a few records have been errorflagged for current, this column shows "OK". Otherwise it is indicated if current observations terminate well before the end (truncated), or there are gaps of a day or more in duration (Large gaps).

Series	Ty	Si	Latitude	Longitude	Bt.d	Ob.d	Deployment period	N.obs	Min	Days	T	P	S	Current obs.
2448_001	Aa	S1	61°10.800'N	6°41.000'W	106	40	19770428-19770712	3583	30	75	+	+	-	OK
2986_001	Aa	S2	61°10.000'N	6°28.500'W	143	40	19780124-19780725	8729	30	182	+	-	-	OK
2984_003	Aa	S2	61°12.300'N	6°30.500'W	144	40	19790211-19790706	6960	30	145	+	-	-	OK
2983_008	Aa	S2	61°13.000'N	6°29.000'W	139	40	19800902-19810113	3186	60	133	+	-	-	OK
2983_009	Aa	S2	61°12.000'N	6°30.000'W	140	40	19810209-19810725	7974	30	166	+	-	-	OK
2983_010	Aa	S2	61°11.500'N	6°28.500'W	128	40	19810822-19820314	9777	30	204	+	-	-	Truncated
2983_012	Aa	S2	61°11.800'N	6°29.300'W	139	40	19820906-19830102	5648	30	118	+	-	-	OK
1337_001	Aa	S3	61°37.160'N	6°49.360'W	55	20	19760109-19760210	4607	10	32	+	-	-	OK
2983_001	Aa	W1	61°43.600'N	7°29.200'W	145	40	19780124-19780505	4829	30	101	+	-	-	OK
2983_002	Aa	W1	61°43.600'N	7°29.200'W	148	40	19780506-19780720	3619	30	75	+	-	-	OK
2985_003	Aa	W1	61°43.600'N	7°29.200'W	148	40	19781115-19790129	3580	30	75	+	-	-	OK
2986_004	Aa	W1	61°42.200'N	7°26.200'W	148	40	19790929-19800314	4005	60	167	+	-	-	OK
2986_A04	Aa	W1	61°44.100'N	7°31.500'W	148	40	19800315-19800413	707	60	29	+	-	-	OK
2985_011	Aa	W1	61°47.300'N	7°36.200'W	149	40	19800905-19810302	4264	60	178	+	-	-	OK
2985_012	Aa	W1	61°40.000'N	7°26.000'W	145	40	19810303-19810926	9924	30	207	+	-	-	OK
2448_006	Aa	W2	61°23.300'N	7° 8.000'W	150	40	19810106-19810402	4148	30	86	+	+	-	Large gaps
2985_001	Aa	N1	62°30.100'N	6°50.000'W	112	40	19780210-19780404	2541	30	53	+	-	-	Truncated
2986_005	Aa	N1	62°32.800'N	6°48.000'W	97	40	19800904-19810303	4311	60	180	+	-	-	Truncated
2986_006	Aa	N1	62°29.900'N	6°47.700'W	91	40	19810314-19810824	7807	30	163	+	-	-	Truncated
2986_007	Aa	N1	62°30.470'N	6°48.800'W	81	40	19810912-19820308	8496	30	177	+	-	-	OK
2984_010	Aa	N1	62°30.620'N	6°49.560'W	95	40	19820904-19821220	5143	30	107	+	-	-	Large gaps
2984_011	Aa	N1	62°30.200'N	6°45.200'W	80	40	19821223-19830530	7595	30	158	+	-	-	OK
7075_002	Aa	N1	62°30.050'N	6°49.580'W	102	40	19830913-19831102	2403	30	50	+	-	?	Truncated
2985_002	Aa	N2	62°19.700'N	7°27.900'W	95	40	19780515-19780724	3385	30	71	+	-	-	Truncated
2986_002	Aa	N2	62°19.700'N	7°27.900'W	95	40	19781022-19790226	6108	30	127	+	-	-	OK
2986_003	Aa	N2	62°19.500'N	7°27.700'W	98	40	19790325-19790816	6891	30	144	+	-	-	No obs.
2985_010	Aa	N2	62°19.400'N	7°28.800'W	98	40	19791002-19800519	5524	60	230	+	-	-	OK
GS13_001	Se	N3	62°27.000'N	6°10.100'W	92	43	19860605-19860615	725	20	10	+	-	-	OK
A309_M94	Aa	N3	62°29.410'N	6°09.510'W	96	20	19940306-19940424	3539	20	49	+	-	-	Large gaps
GS03_002	Se	N4	62°40.600'N	6° 9.600'W	195	45	19860605-19860615	723	20	10	+	-	-	OK
GS11_001	Se	N4	62°40.600'N	6° 9.600'W	195	95	19860605-19860615	724	20	10	+	-	-	OK
7075_008	Aa	N4	62°40.600'N	6° 9.620'W	195	170	19860605-19860615	1447	10	10	+	-	?	OK
9493_001	Aa	N5	62°52.700'N	6° 4.300'W	702	150	19890521-19890707	3381	20	47	+	+	+	OK
2984_001	Aa	E1	61°56.400'N	6° 6.500'W	127	40	19780124-19780423	4285	30	89	+	-	-	OK
2984_002	Aa	E2	61°47.300'N	6°11.700'W	124	40	19780423-19780721	4256	30	89	+	-	-	OK
2983_003	Aa	E2	61°47.300'N	6°11.700'W	124	40	19780925-19790112	5201	30	108	+	-	-	OK
2983_004	Aa	E2	61°47.300'N	6°11.700'W	124	40	19790310-19790525	3648	30	76	-	-	-	OK
2984_004	Aa	E2	61°47.500'N	6°10.300'W	124	40	19790922-19800120	2888	60	120	+	-	-	OK
2984_005	Aa	E2	61°47.600'N	6°11.600'W	108	40	19800410-19800906	7154	30	149	+	-	-	Large gaps
2984_006	Aa	E2	61°47.600'N	6°13.400'W	108	40	19800909-19810302	4184	60	174	?	-	-	OK
2984_007	Aa	E2	61°47.200'N	6°15.000'W	109	40	19810302-19810916	9500	30	198	+	-	-	OK
2984_008	Aa	E2	61°47.200'N	6°12.600'W	108	40	19810925-19811119	2619	30	55	+	-	-	OK
6486_001	Aa	E2	61°47.100'N	6°12.900'W	116	40	19820915-19830416	10200	30	213	+	-	-	OK
2984_013	Aa	E2	61°47.610'N	6°12.610'W	117	40	19830913-19831125	3492	30	73	+	-	-	OK
2986_014	Aa	E2	61°47.800'N	6°12.200'W	124	40	19831206-19840619	9375	30	195	+	-	-	OK
2986_016	Aa	E2	61°47.000'N	6°10.000'W	130	40	19841021-19850418	8590	30	179	+	-	?	OK
2986_017	Aa	E2	61°47.000'N	6° 9.850'W	135	40	19851007-19860625	6250	60	260	+	-	-	Large gaps
7075_011	Aa	E2	61°47.000'N	6°10.000'W	130	40	19871006-19880310	3733	60	156	+	-	?	OK
9041_001	Aa	E3	62°15.400'N	6° 3.370'W	101	40	19870702-19870911	5121	20	71	+	-	-	OK
9494_M94	Aa	E3	62°15.030'N	6° 3.320'W	96	20	19940306-19940401	1867	20	26	-	+	-	OK
7075_009	Aa	E4	62°14.720'N	5°33.610'W	253	241	19870221-19870228	931	10	6	+	-	?	Large gaps
9042_001	Aa	E5	62°14.300'N	5° 1.890'W	197	107	19870702-19870709	496	20	7	+	-	-	OK
7075_010	Aa	E6	62°12.480'N	4° 5.910'W	353	303	19870702-19870709	518	20	7	+	-	?	OK
2448_007	Aa	F1	61° 9.400'N	8°11.380'W	119	40	19810406-19810605	2891	30	60	+	+	-	OK
2983_015	Aa	F2	60°59.800'N	8°55.460'W	119	40	19920523-19920831	4805	30	100	+	-	-	OK
7075_012	Aa	F3	60°49.420'N	8°47.900'W	119	40	19920523-19920609	836	30	17	-	-	-	OK

All the series have been acquired on traditional moorings with the current meter inserted into a mooring line, most often at about 40 meters depth. In a few cases a pressure sensor on the instrument allows evaluation of instrument depth change due to drag, but mostly that information is not available and deviations from the stated instrument depth may be expected. For the older series, positioning may also be somewhat inaccurate.

Two main types of current meters have been used. Most of the series have been acquired with Aanderaa current meters, both the old type with data tape storage and the newer type with electronic data storing units. The first four characters of the series-id are the instrument serial number, and instruments 1337, 2448, 2983, 2984, 2985, 2986, 6486 and 7075 all had tape storage. Instruments 9041, 9042, 9493, 9494 and A309 (10309) had electronic data storage. Three short series were obtained, not with Aanderaa, but with Sensordata (SD2000) current meters. These instruments are labeled GS03, GS11 and GS13, and in our experience are not as reliable as the Aanderaa current meters.

In addition to the metadata for each series, Table 1 also shows four columns at the right which indicate the existence and quality of observations of temperature (T), current (C, which includes both speed and direction), pressure (P) and salinity (S). A "+" in one of these columns indicates that the parameter was observed and that it was not errorflagged in more than a few records. A "?" indicates that the parameter was observed, but it has been errorflagged in many records, or is suspicious for other reasons, as commented in the header file. Parameters with a "-" have not been observed or have been errorflagged for the whole series. The last column indicates whether current observations (speed and direction) are available and valid for the whole series or not.

Data processing and quality control

After acquisition, the data series have been calibrated using calibration data from the manufacturer. In the older version of the Aanderaa current meter, current speed was integrated over the sampling interval, while current direction was only measured at the end of each sampling interval. To avoid temporal mismatch between the speed data and the direction data for these series, we associate each speed measurement with the average of the current direction just before and just after the speed measuring interval. In the newer Aanderaa current meters, several compass readings are taken during a sampling interval, and the instrument stores a vector average for the whole sampling interval.

In the data files, the time of each record is the middle of the speed-averaging interval. Temperature (and optionally pressure and salinity) are in fact measured at the end of each sampling interval, although in the data files they are referred to the middle of each interval.

The quality assessment procedure that was employed on the data has three main components: Checks for instrument or deployment failures, wild-point editing, and timing checks.

Many kinds of errors may arise from instrument or deployment failures. The rotor, which gives the speed reading, may fall off, the instrument may become entangled in the mooring, the battery may be depleted prematurely, and a number of instrument malfunctions may occur. This kind of error is usually best identified from graphical presentations of the observations.

Graphical presentations may also be used to identify occasional wild points in the observations. All the series have been run through a specially developed software

package which displays the measured parameters and allows flagging of suspicious values. The averaging of compass directions for each speed observation introduces an ambiguity since two, oppositely oriented, directions are possible. When the compass changes rapidly, errors may be introduced. The quality assurance software allows a choice to be made based on graphical presentations. Current direction was corrected for the magnetic deviation.

In the newer versions of the Aanderaa current meter, and in the Sensordata instruments, the electronic data storage assures correct timing as long as the instrument does not malfunction and appropriate procedures are followed. The older Aanderaa instruments, however, stored data on tapes which might get stuck or produce noisy readings. In addition to erroneous values, this might introduce timing errors of the observations, which would be critical for tidal analysis.

When the current meter was recovered while still operating with a non-depleted battery, the time of the last record on tape could be noted. This allows checks to be made of the number of records on tape against the length of the operating period. In the header file for each series, it is noted whether this check could be made, and whether it confirmed correct timing.

Another check on correct timing may be made by tidal analysis. As an example, a timing error of 30 minutes would introduce a change in the Greenwich phase lag for M2 of approximately 15 degrees. For long time series, tidal analysis may be made on fragments of the series of about one months length to check that the end of the series has the same tidal characteristics as the beginning. This check was made on all series where timing could not be confirmed in other ways.

An alternative use of tidal analysis for timing checks, is to compare the tidal phase lags from a series with those of other series obtained close by, i.e. at the same site. Tables 2-6 may be used to illustrate this technique, although it should be noted that some areas have more variable tidal characteristics than other areas.

Temperature and optionally pressure and salinity have been quality checked by graphical wild-point editing The salinity is computed from temperature and conductivity measured by the instrument and from pressure. No special effort has been made to calibrate salinity and the absolute salinity values should be used only with great care.

Except for the compass ambiguity correction, erroneous data have generally not been "corrected" or interpolated, but rather they have been errorflagged in the data file by being replaced by the value "-999".

Tidal analysis

As mentioned in the previous section, tidal analysis was performed on all sufficiently long series as part of the quality assurance procedure. The results of the analysis are also presented for each series in the second part of the report. The tidal analysis was made by a modified version of the Foreman FORTRAN package. Before analysis, the current components were filtered by a series of three running-mean filters as suggested by Foreman. Gaps of length less than or equal to an hour were interpolated linearly before filtering. The modified package corrects for filtering and also for the implicit filtering associated with the speed averaging over the sampling interval.

Statistics

To get an overview over the velocity characteristics, a directional current distribution is computed for each series. For each 30° interval in direction, the distribution of current speeds is tabulated, as are the average speed, the maximum speed, and the relative flux in each directional interval. In computing the relative flux, the occurrence of a direction is weighted by the speed. Also tabulated are the speed distribution irrespective of direction and its accumulated value.

Data format

After processing and quality control, the data is stored in two files for each series. The *"header file"* contains metadata (position, depth, time, etc.) for the deployment, a list of the parameters observed and their sequence in the data file. The header file also includes comments on the quality of the series or special features.

The data is contained in a *"data file"* for each series. This file begins with three header lines (series-id, names and units of parameters). Thereafter it has one line for each record with a consecutive record number, the time of observation (the middle of the speed-averaging interval), and one value for each parameter. Time is always referred to GMT both in the data file and the header file. If not deleted due to error, all series have the three parameters: temperature, current speed and current direction (compass direction towards which the current runs). Some series additionally have pressure and salinity observations. In the data file, erroneous data has been replaced by the errorflag (-999).

Both the header file and the data file for each series use the series-id as file name. The header file has the extension: ".hdr" while the data file has extension: ".dat". A more detailed description of the formats of these two files is given in the textfile: *"format.txt"* on the accompanying CD-ROM. In addition to the header file and the data file, the CD-ROM also contains for each series a file with the series-id as name and the extension: ".txt". This file gives an overview over the features of the series, including the main tidal constituents and directional current distribution. The content of this file is identical to the first page shown for each series in the second part of this report. Its layout is described in more detail in the next section.

Report format

The second part of this report contains descriptions of each series separately, ordered by site in the same sequence as in Table 1. Each series is described by a text page and 2 –3 pages of plots, depending on the number of parameters observed.

The text page for each series is a copy of the "series-id.txt" file on the CD-ROM and gives an overall description of the series. It lists the metadata information in the header and shows the list of parameters in the data file with a tally of the number of records flagged and not flagged for error in each parameter. Any comments in the header file are included on the text page also.

The rest of the text page describes features of the current observations in the series. First is shown the residual current, defined as the vectorial average of all non-flagged records. Like elsewhere in the data files and the report, current speeds are reported as integer values in the unit millimeters per second. Current directions are reported as integer degrees in the usual compass standard.

If the series had a sufficient length of current observations (at least 28 days), the results of tidal analysis on the series are presented on the text page. The number of

records interpolated before the analysis is listed as well as the number that could not be interpolated (too large gap). Also it is indicated whether the data is prefiltered and the filters used (An is the running mean filter, summing over n records). Although the analysis includes more constituents, only 15 dominant constituents are listed on the text page and in the ".txt" files. For each constituent, amplitude and Greenwich phase lag are shown for the east (E-ampl and E-gpl) and the north (N-ampl and N-gpl) current components respectively, followed by the characteristic of the tidal ellipse, its major and minor semi-axes, the inclination (Incl) of the tidal ellipse, its Greenwich phase lag (Grphl), and whether it rotates cyclonically (C) or anticyclonically (A). The definitions of the tidal ellipse parameters are shown on Figure 2. Note that the inclination of the ellipse is not in the standard compass format. The P1 and K2 constituents are only resolved for the longest series. For shorter series, they are inferred from K1 and S2 respectively as indicated by an "I" in the last column.

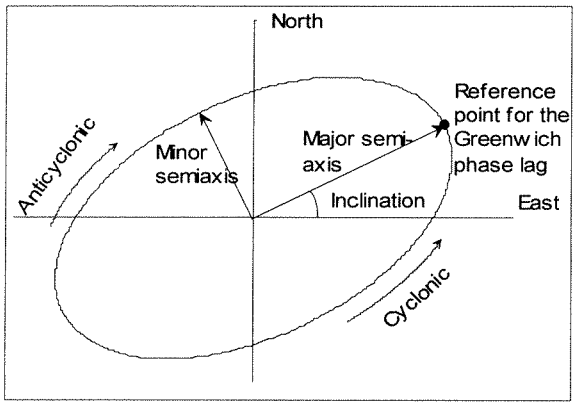


Figure 2. Parameters of the tidal ellipse for a given constituent. The reference point for the Greenwich phase lag is always chosen to be above the east-west axis.

For series with non-flagged speed and direction observations, the text page (and the ".txt" file) also contains a table showing the directional current distribution, computed as previously described. Except for the two bottom lines, all the numbers in the table are in parts per thousand (ppt or per mille).

CD-ROM layout

The accompanying CD-ROM contains for each of the series, the three files *"series-id.hdr"*, *"series-id.dat"*, and *"series-id.txt"*. These files are all in the subdirectory: *"DATA"*. On the root of the CD-ROM there are three text (ASCII) files. The file *"readme.txt"* gives an overview over the information on the CD-ROM. The file: *"list.txt"* is a copy of Table 1 and lists the essential features of the series. The file: *"format.txt"* describes the formats of the header file, the data file and the text file for each series. In addition, a copy of this introduction is also found on the root in two different formats, an MS-Word97 file, named *"intro.doc"*, and a file in Rich text format, named *"intro.rtf"*.

Residual and tidal currents on the Faroe Shelf and Faroe Bank

It is not the aim of this data report to discuss results of the observations in any detail; but a preliminary overview of the tidal current over the shallow parts of the Faroe area may be had from Tables 2 to 6 which summarize the tidal information on the three main semi-

diurnal and the two main diurnal constituents. This information is also synthesized in Figure 3 which shows typical tidal ellipses at selected sites for the main semi-diurnal constituent M2 and the main diurnal constituent O1.

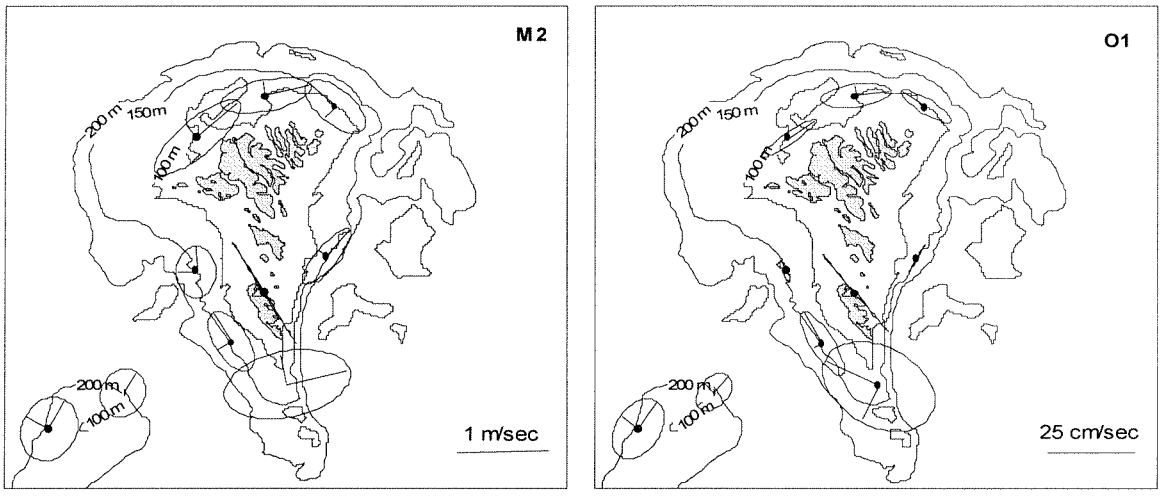


Figure 3. Typical tidal ellipses at selected sites for M2 (left) and O1 (right). Note that the velocity scale is different in the two figures

The residual current at the different sites is tabulated in Table 7 which is based on vectorial averages of the different series for a given depth at each site, weighted by their duration. In Figure 4 the residual current is illustrated for those sites, where at least a month of current observations was available

While some of the sites have been well covered with measurements, lasting a total of several years, other sites may be represented by only a few months of observations. Figures 3 to 4 should be interpreted with this in mind.

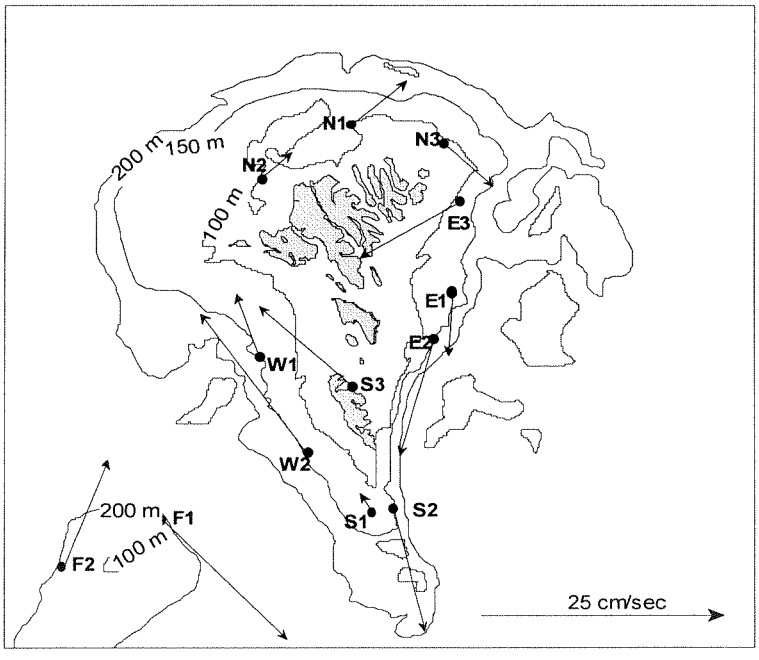


Figure 4. Residual flow vectors at 20 – 40 m depth over the shallow parts of the Faroese area

Table 2. Harmonic constants for constituent M2 for series of sufficient length. East compononent amplitude (E-amp) and Greenwich phase lag (E-gpl). North compononent amplitude (N-amp) and Greenwich phase lag (N-gpl). Tidal ellipse major and minor semiaxes, inclination (Incl), Greenwich phase lag (Grpl), and rotation (Cyclonic=C, Anticyclonic=A). All amplitudes in mm/sec and phase lags in degrees.

Series	Site	E-amp mm/s	E-gpl deg.	N-amp mm/s	N-gpl deg.	Major mm/s	Minor mm/s	Incl deg.	Grpl deg.	R
2448_001	S1	777	274	498	196	789	479	12	266	A
2986_001	S2	605	276	351	201	614	335	12	270	A
2984_003	S2	717	273	367	202	730	342	12	267	A
2983_008	S2	647	276	353	203	658	331	12	270	A
2983_009	S2	637	275	339	205	651	312	13	269	A
2983_010	S2	662	276	358	206	677	329	14	269	A
2983_012	S2	695	278	395	209	714	360	15	270	A
1337_001	S3	342	263	567	82	662	8	121	82	C
2983_001	W1	306	276	361	187	361	305	87	190	A
2983_002	W1	292	280	346	189	347	292	95	184	A
2985_003	W1	224	264	277	180	280	220	76	191	A
2986_004	W1	220	267	272	181	274	218	81	189	A
2986_A04	W1	217	272	286	182	286	217	90	181	A
2985_011	W1	247	280	305	182	311	240	107	169	A
2985_012	W1	224	270	291	187	294	220	78	196	A
2448_006	W2	264	290	339	166	383	194	123	148	A
2986_006	N1	474	302	216	234	483	196	12	297	A
2986_007	N1	496	298	206	240	509	172	14	294	A
2984_010	N1	477	295	183	234	486	158	12	291	A
2984_011	N1	533	297	175	219	535	170	4	296	A
2986_002	N2	483	263	348	226	568	177	34	251	A
2985_010	N2	590	270	534	224	734	307	41	250	A
A309_M94	N3	328	323	298	196	396	198	140	166	A
9493_001	N5	116	328	79	272	127	59	28	314	A
2984_001	E1	214	257	347	216	387	126	62	226	A
2984_002	E2	268	255	309	221	391	118	50	235	A
2983_003	E2	248	257	320	223	389	114	54	235	A
2983_004	E2	232	258	321	224	381	109	56	235	A
2984_004	E2	241	254	301	221	370	106	53	233	A
2984_005	E2	280	256	344	222	426	124	52	235	A
2984_006	E2	284	255	322	218	408	133	50	234	A
2984_007	E2	287	255	347	222	432	126	51	235	A
2984_008	E2	289	253	301	220	399	119	46	236	A
6486_001	E2	284	255	309	220	400	126	48	236	A
2984_013	E2	266	255	307	221	389	115	50	235	A
2986_014	E2	231	256	303	224	368	100	54	235	A
2986_016	E2	232	258	291	224	357	106	53	237	A
2986_017	E2	208	256	286	225	343	89	55	235	A
7075_011	E2	195	253	254	222	310	81	54	233	A
2448_007	F1	262	272	277	189	288	250	56	219	A
2983_015	F2	323	275	352	194	365	308	60	219	A

Table 3. Harmonic constants for constituent S2 for series of sufficient length. East compononent amplitude (E-amp) and Greenwich phase lag (E-gpl). North compononent amplitude (N-amp) and Greenwich phase lag (N-gpl). Tidal ellipse major and minor semiaxes, inclination (Incl), Greenwich phase lag (Grpl), and rotation (Cyclonic=C, Anticyclonic=A). All amplitudes in mm/sec and phase lags in degrees.

Series	Site	E-amp mm/s	E-gpl deg.	N-amp mm/s	N-gpl deg.	Major mm/s	Minor mm/s	Incl deg.	Grpl deg.	R
2448_001	S1	256	311	146	232	258	142	9	306	A
2986_001	S2	211	312	111	237	214	105	10	306	A
2984_003	S2	248	310	114	240	252	105	11	306	A
2983_008	S2	237	311	117	238	240	110	10	306	A
2983_009	S2	218	314	106	243	222	99	11	309	A
2983_010	S2	232	309	110	234	234	105	9	305	A
2983_012	S2	235	311	112	244	240	100	13	306	A
1337_001	S3	116	304	191	113	223	19	121	116	C
2983_001	W1	99	304	112	221	114	96	69	239	A
2983_002	W1	81	323	98	238	98	80	79	247	A
2985_003	W1	74	288	95	214	100	68	66	231	A
2986_004	W1	77	295	97	215	99	73	71	230	A
2986_A04	W1	86	305	106	221	107	84	77	231	A
2985_011	W1	69	312	94	216	95	69	99	210	A
2985_012	W1	76	301	103	222	106	73	74	234	A
2448_006	W2	86	327	133	207	143	70	114	194	A
2986_006	N1	166	339	65	270	168	60	9	335	A
2986_007	N1	176	333	67	276	180	55	13	329	A
2984_010	N1	167	330	59	269	170	50	11	326	A
2984_011	N1	177	335	50	255	178	49	3	334	A
2986_002	N2	173	298	113	264	199	55	31	289	A
2985_010	N2	199	305	169	263	244	93	39	288	A
A309_M94	N3	117	7	108	237	144	67	139	209	A
9493_001	N5	43	12	18	333	45	11	19	7	A
2984_001	E1	67	285	111	256	126	29	60	263	A
2984_002	E2	89	288	99	259	128	33	48	272	A
2983_003	E2	90	285	113	258	140	33	52	268	A
2983_004	E2	79	288	110	264	133	27	55	272	A
2984_004	E2	85	283	106	257	132	30	52	267	A
2984_005	E2	99	286	112	260	146	34	49	271	A
2984_006	E2	99	284	109	255	143	37	48	268	A
2984_007	E2	101	286	117	261	151	33	50	271	A
2984_008	E2	105	279	97	255	140	30	42	268	A
6486_001	E2	95	287	105	261	138	32	48	273	A
2984_013	E2	96	283	105	257	139	31	48	269	A
2986_014	E2	87	289	106	263	134	30	51	273	A
2986_016	E2	80	287	97	262	123	26	51	272	A
2986_017	E2	75	290	101	263	123	28	54	273	A
7075_011	E2	76	287	93	261	117	26	52	271	A
2448_007	F1	85	311	97	229	100	83	68	247	A
2983_015	F2	93	310	102	232	108	86	57	259	A

Table 4. Harmonic constants for constituent N2 for series of sufficient length. East compononent amplitude (E-amp) and Greenwich phase lag (E-gpl). North compononent amplitude (N-amp) and Greenwich phase lag (N-gpl). Tidal ellipse major and minor semiaxes, inclination (Incl), Greenwich phase lag (Grpl), and rotation (Cyclonic=C, Anticyclonic=A). All amplitudes in mm/sec and phase lags in degrees.

Series	Site	E-amp mm/s	E-gpl deg.	N-amp mm/s	N-gpl deg.	Major mm/s	Minor mm/s	Incl deg.	Grpl deg.	R
2448_001	S1	190	251	113	162	190	113	1	250	A
2986_001	S2	120	250	65	176	122	62	11	245	A
2984_003	S2	137	244	63	175	140	58	11	240	A
2983_008	S2	146	250	73	176	148	70	10	246	A
2983_009	S2	136	251	63	183	139	57	12	246	A
2983_010	S2	145	258	76	182	147	73	10	253	A
2983_012	S2	134	262	72	192	137	66	14	255	A
1337_001	S3	67	247	79	59	104	7	130	62	C
2983_001	W1	44	247	55	152	55	44	101	144	A
2983_002	W1	51	255	66	170	66	50	82	176	A
2985_003	W1	42	237	50	160	53	39	64	181	A
2986_004	W1	40	241	54	160	55	39	77	169	A
2986_A04	W1	56	250	76	157	76	56	95	154	A
2985_011	W1	47	248	62	149	63	46	104	139	A
2985_012	W1	42	238	59	159	60	40	76	169	A
2448_006	W2	36	259	59	137	63	29	113	126	A
2986_006	N1	107	284	43	225	109	36	13	280	A
2986_007	N1	100	268	40	213	103	32	14	264	A
2984_010	N1	81	277	21	235	82	14	11	275	A
2984_011	N1	110	268	33	186	110	33	3	267	A
2986_002	N2	105	243	69	205	119	37	30	233	A
2985_010	N2	127	247	100	201	150	60	35	231	A
A309_M94	N3	86	301	79	161	110	40	138	139	A
9493_001	N5	29	317	24	251	32	20	32	296	A
2984_001	E1	35	214	60	181	67	17	62	189	A
2984_002	E2	52	230	61	207	79	16	50	216	A
2983_003	E2	45	230	56	203	70	16	52	213	A
2983_004	E2	45	212	60	187	73	16	54	196	A
2984_004	E2	44	224	56	195	69	17	53	206	A
2984_005	E2	54	215	54	194	76	14	45	205	A
2984_006	E2	54	222	63	196	80	19	50	207	A
2984_007	E2	58	223	70	195	88	22	51	206	A
2984_008	E2	60	237	70	211	89	21	50	222	A
6486_001	E2	54	222	59	197	78	17	47	208	A
2984_013	E2	57	215	57	186	78	20	45	200	A
2986_014	E2	48	225	64	201	78	16	53	210	A
2986_016	E2	48	223	58	203	75	13	51	211	A
2986_017	E2	43	231	57	201	70	17	55	211	A
7075_011	E2	40	233	53	204	65	16	54	214	A
2448_007	F1	69	243	68	162	74	63	42	205	A
2983_015	F2	63	258	73	171	74	63	81	178	A

Table 5. Harmonic constants for constituent O1 for series of sufficient length. East compononent amplitude (E-amp) and Greenwich phase lag (E-gpl). North compononent amplitude (N-amp) and Greenwich phase lag (N-gpl). Tidal ellipse major and minor semiaxes, inclination (Incl), Greenwich phase lag (Grpl), and rotation (Cyclonic=C, Anticyclonic=A). All amplitudes in mm/sec and phase lags in degrees.

Series	Site	E-amp mm/s	E-gpl deg.	N-amp mm/s	N-gpl deg.	Major mm/s	Minor mm/s	Incl deg.	Grpl deg.	R
2448_001	S1	154	326	122	217	164	108	153	165	A
2986_001	S2	113	326	84	231	113	83	173	151	A
2984_003	S2	140	321	72	231	140	72	0	320	A
2983_008	S2	105	325	61	239	105	61	4	322	A
2983_009	S2	134	326	71	237	134	71	1	326	A
2983_010	S2	128	318	63	225	128	63	178	139	A
2983_012	S2	123	320	67	232	123	66	1	320	A
1337_001	S3	90	327	108	142	140	6	130	144	C
2983_001	W1	12	22	17	250	19	8	122	236	A
2983_002	W1	20	360	27	261	27	20	104	251	A
2985_003	W1	22	32	33	257	37	14	120	245	A
2986_004	W1	17	4	32	257	32	16	103	250	A
2986_A04	W1	15	41	13	261	19	7	139	238	A
2985_011	W1	14	22	10	218	17	2	144	207	A
2985_012	W1	21	25	33	266	36	18	113	254	A
2448_006	W2	62	36	90	254	104	33	122	243	A
2986_006	N1	92	356	41	276	92	40	5	354	A
2986_007	N1	96	352	35	283	97	33	9	349	A
2984_010	N1	85	345	26	278	85	24	8	342	A
2984_011	N1	97	349	25	268	97	24	2	348	A
2986_002	N2	72	285	43	263	83	14	30	280	A
2985_010	N2	82	287	64	261	102	23	37	277	A
A309_M94	N3	70	30	49	244	83	24	147	220	A
9493_001	N5	17	67	9	323	17	9	170	253	A
2984_001	E1	18	264	40	253	44	3	66	255	A
2984_002	E2	27	270	35	264	44	2	53	266	A
2983_003	E2	27	278	47	264	54	6	60	268	A
2983_004	E2	18	288	35	275	39	4	63	278	A
2984_004	E2	23	276	44	258	49	7	63	262	A
2984_005	E2	26	273	37	265	45	3	55	268	A
2984_006	E2	25	287	39	268	46	7	58	273	A
2984_007	E2	30	278	41	258	50	8	55	265	A
2984_008	E2	24	275	34	262	41	5	55	266	A
6486_001	E2	27	277	37	264	45	5	54	269	A
2984_013	E2	32	287	50	268	59	9	58	273	A
2986_014	E2	24	277	39	264	45	5	58	268	A
2986_016	E2	21	272	34	262	40	3	58	265	A
2986_017	E2	21	269	33	260	39	3	58	263	A
7075_011	E2	22	275	33	264	39	3	56	267	A
2448_007	F1	53	237	55	166	63	44	48	198	A
2983_015	F2	76	183	85	113	94	64	55	139	A

Table 6. Harmonic constants for constituent K1 for series of sufficient length. East compononent amplitude (E-amp) and Greenwich phase lag (E-gpl). North compononent amplitude (N-amp) and Greenwich phase lag (N-gpl). Tidal ellipse major and minor semiaxes, inclination (Incl), Greenwich phase lag (Grpl), and rotation (Cyclonic=C, Anticyclonic=A). All amplitudes in mm/sec and phase lags in degrees.

Series	Site	E-amp mm/s	E-gpl deg.	N-amp mm/s	N-gpl deg.	Major mm/s	Minor mm/s	Incl deg.	Grpl deg.	R
2448_001	S1	114	194	92	81	124	78	150	34	A
2986_001	S2	80	193	59	101	80	59	177	14	A
2984_003	S2	100	190	56	109	100	55	7	186	A
2983_008	S2	103	188	58	103	103	57	3	187	A
2983_009	S2	81	187	53	101	82	53	5	184	A
2983_010	S2	100	183	59	102	101	57	8	179	A
2983_012	S2	115	194	66	107	115	66	3	192	A
1337_001	S3	44	221	43	32	62	5	136	37	C
2983_001	W1	6	147	15	52	15	5	92	51	A
2983_002	W1	10	223	17	99	18	8	114	88	A
2985_003	W1	14	229	24	113	25	12	109	103	A
2986_004	W1	12	214	21	105	22	11	104	98	A
2986_A04	W1	23	225	23	89	30	12	135	67	A
2985_011	W1	13	201	23	52	26	6	117	46	A
2985_012	W1	12	245	26	119	27	9	108	113	A
2448_006	W2	54	254	54	112	72	25	135	93	A
2986_006	N1	93	240	44	160	93	43	6	237	A
2986_007	N1	93	235	34	174	94	29	11	232	A
2984_010	N1	94	229	33	159	95	31	8	226	A
2984_011	N1	96	232	28	160	97	26	6	231	A
2986_002	N2	77	172	41	145	86	16	26	166	A
2985_010	N2	90	170	71	144	111	26	37	160	A
A309_M94	N3	55	288	27	128	61	9	154	112	A
9493_001	N5	8	293	8	186	10	7	136	148	A
2984_001	E1	18	157	37	127	40	9	65	132	A
2984_002	E2	25	147	30	126	39	7	50	135	A
2983_003	E2	23	154	37	138	43	5	59	142	A
2983_004	E2	24	146	36	132	43	5	56	136	A
2984_004	E2	24	162	37	139	43	8	58	146	A
2984_005	E2	27	144	31	126	40	6	49	134	A
2984_006	E2	27	159	38	136	46	9	55	144	A
2984_007	E2	26	153	34	130	42	8	54	138	A
2984_008	E2	28	165	35	161	45	2	52	162	A
6486_001	E2	27	158	40	136	48	8	57	143	A
2984_013	E2	35	147	38	128	51	8	48	137	A
2986_014	E2	22	150	32	139	39	4	55	143	A
2986_016	E2	20	159	34	137	39	7	60	143	A
2986_017	E2	20	160	35	145	40	5	61	148	A
7075_011	E2	20	160	33	141	39	6	59	146	A
2448_007	F1	49	98	37	21	50	35	20	83	A
2983_015	F2	120	73	129	353	136	112	57	22	A

Table 7. Residual currents. For sites where more than one series have been obtained from a given depth, these series have been weighted by their lengths in computing the vectorial averages. Only results from Aanderaa current meters are included.

Site	Depth m	Speed mm/sec	Direction degrees	Duration days
S1	40	18	330	75
S2	40	126	166	854
S3	20	121	311	32
W1	40	66	340	831
W2	40	176	323	82
N1	40	67	52	547
N2	40	37	49	365
N3	20	62	135	47
N4	170	135	97	10
N5	190	229	97	46
E1	40	62	184	89
E2	40	123	196	2035
E3	20	82	200	26
E3	40	132	250	71
E4	241	38	82	5
E5	107	52	308	6
E6	303	134	189	7
F1	40	179	134	60
F2	40	116	24	100
F3	40	64	232	17

PART 2: DESCRIPTIONS OF THE SERIES

On the following pages, each of the 56 series is described by 3 – 4 pages of text and plots in the format discussed in the section "Report format". The series are presented in order according to the site of observation, starting with the southernmost sites on the shelf (S1, S2, and S3), continuing with the western sites (W1 and W2), the northern sites (N1, N2, N3, N4, and N5), the eastern sites (E1, E2, E3, E4, E5, and E6), and ending with the three Faroe Bank sites (F1, F2, and F3). The starting page number for each series is seen in the contents list on page 2.

Deployment: 2448_001 analyzed from beginning to end
Instrument no.: 2448
Instrument type: Aanderaa
Latitude: 61 10.800 N
Longitude: 6 41.000 W
Bottom depth: 106
Instrument depth: 40
Number of records: 3583
Time of first rec: 19770428 1215
Time of last rec : 19770712 0315
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3583	0
Column 5: Speed	3583	0
Column 6: Direct	3583	0
Column 7: Press	3583	0

Comments
Time of last record on tape checked and correct.

Residual current: 18 mm/sec towards: 330 degrees

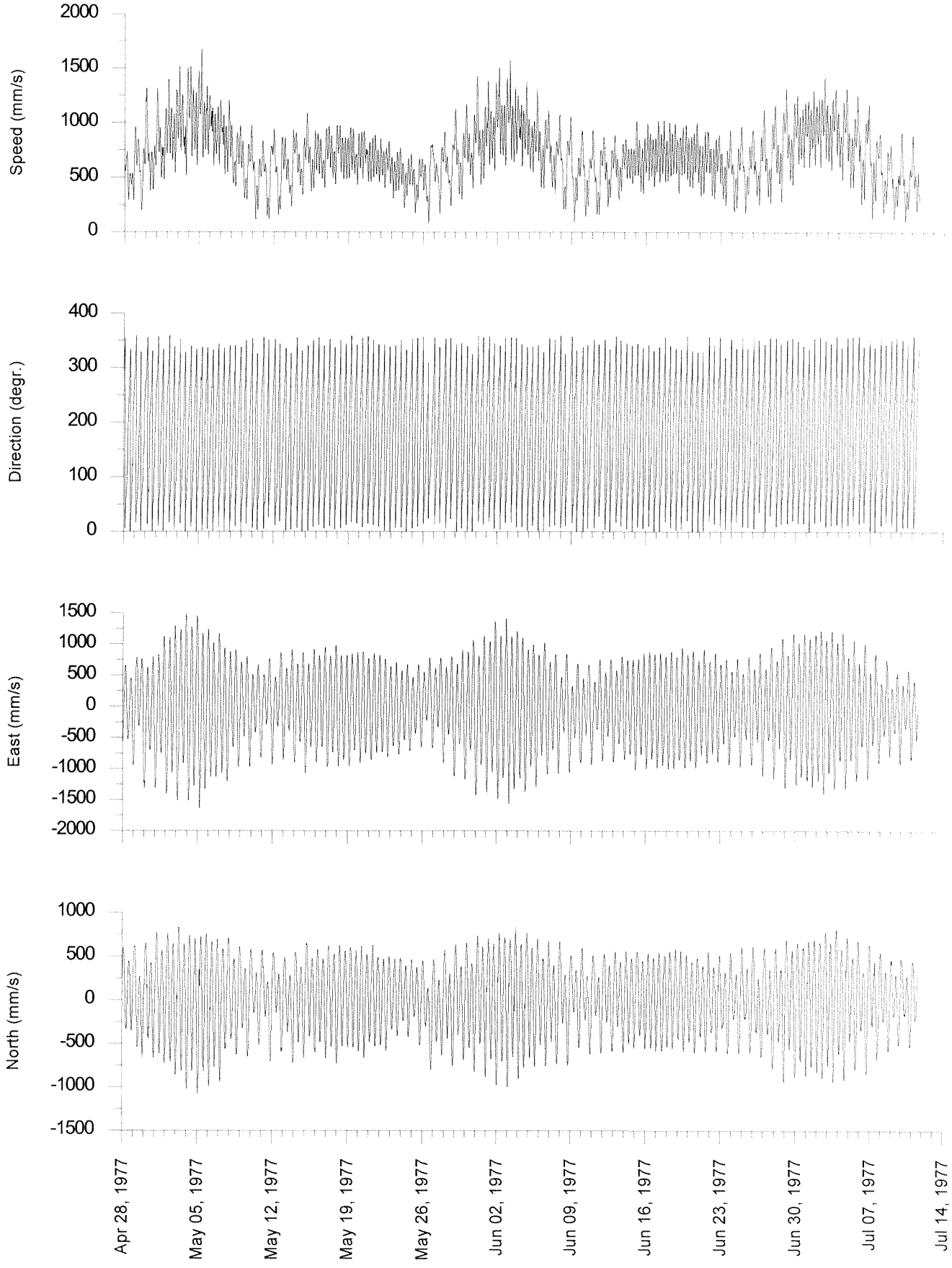
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	9	311	10	189	12	6	134	161	A	
MSF	.00282193	10	20	9	82	12	7	40	47	C	
Q1	.03721850	88	290	62	169	96	48	152	125	A	
O1	.03873065	154	326	122	217	164	108	153	165	A	
NO1	.04026859	19	114	20	355	23	14	133	326	A	
P1	.04155259	37	176	32	62	41	26	145	19	A	I
K1	.04178075	114	194	92	81	124	78	150	34	A	
N2	.07899925	190	251	113	162	190	113	1	250	A	
M2	.08051140	777	274	498	196	789	479	12	266	A	
L2	.08202355	23	308	23	254	29	15	44	282	A	
S2	.08333334	256	311	146	232	258	142	9	306	A	
K2	.08356149	70	311	40	232	70	38	9	306	A	I
MK3	.12229210	8	229	19	78	20	4	110	74	A	
M4	.16102280	13	6	39	179	41	2	109	180	C	
MS4	.16384470	5	18	26	210	26	1	101	210	A	

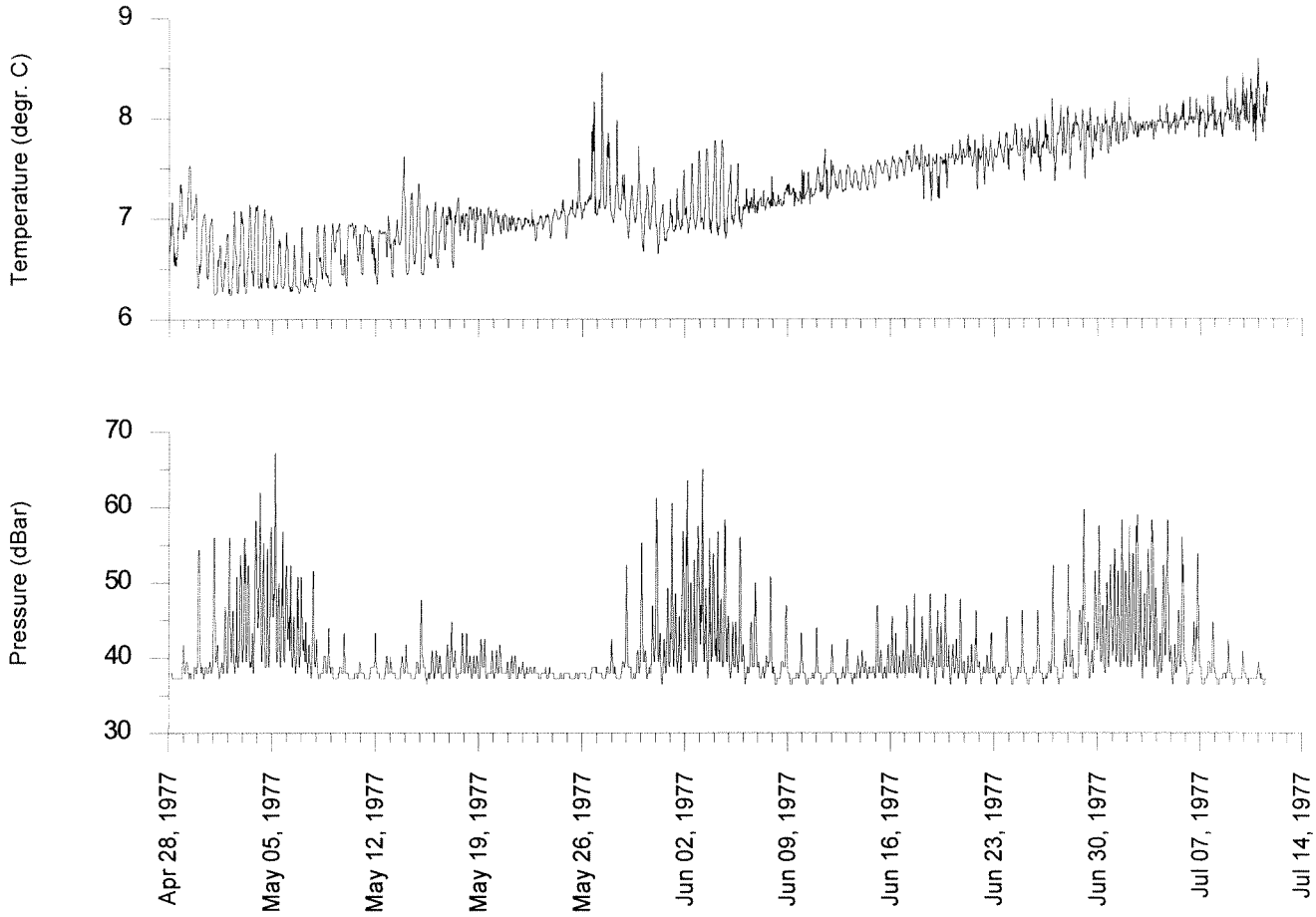
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100 - 150	0	0	0	0	0	0	0	0	0	0	0	0	3	5
150 - 200	0	0	0	0	1	1	1	0	0	0	0	0	7	12
200 - 300	4	1	1	3	2	1	2	4	1	2	3	3	34	46
300 - 400	5	5	3	2	5	3	4	5	6	5	3	5	55	102
400 - 500	15	9	6	5	5	6	5	7	10	5	9	11	99	201
500 - 600	15	16	10	10	10	14	12	8	6	9	9	14	137	339
600 - 700	15	21	18	13	8	8	11	16	10	10	15	11	160	500
700 - 800	7	18	23	18	11	8	9	17	14	15	9	3	158	658
800 - 900	2	15	22	12	4	4	5	11	20	21	5	0	124	783
900 - 1000	0	10	12	7	5	2	4	7	15	17	1	0	86	869
1000 - 1100	0	6	7	7	1	0	2	4	10	11	0	0	53	922
1100 - 1200	0	3	12	3	1	0	0	1	9	6	0	0	38	960
1200 - 1300	0	0	5	2	0	0	0	0	5	6	0	0	20	981
1300 - 1400	0	0	1	1	0	0	0	0	3	4	0	0	11	992
1400 - 1500	0	0	1	0	0	0	0	0	0	1	0	0	4	997
1500 - 1600	0	0	0	0	0	0	0	0	0	0	0	0	1	999
1600 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	68	109	128	88	59	54	59	85	117	118	59	50		
Rel.flux (ppt)	52	110	147	93	53	45	52	81	136	141	49	36		
Avg.spd (mm/s)	544	715	814	750	643	594	623	680	832	847	597	512		
Max.spd (mm/s)	957	1223	1507	1457	1217	1129	1099	1335	1643	1679	1013	755		

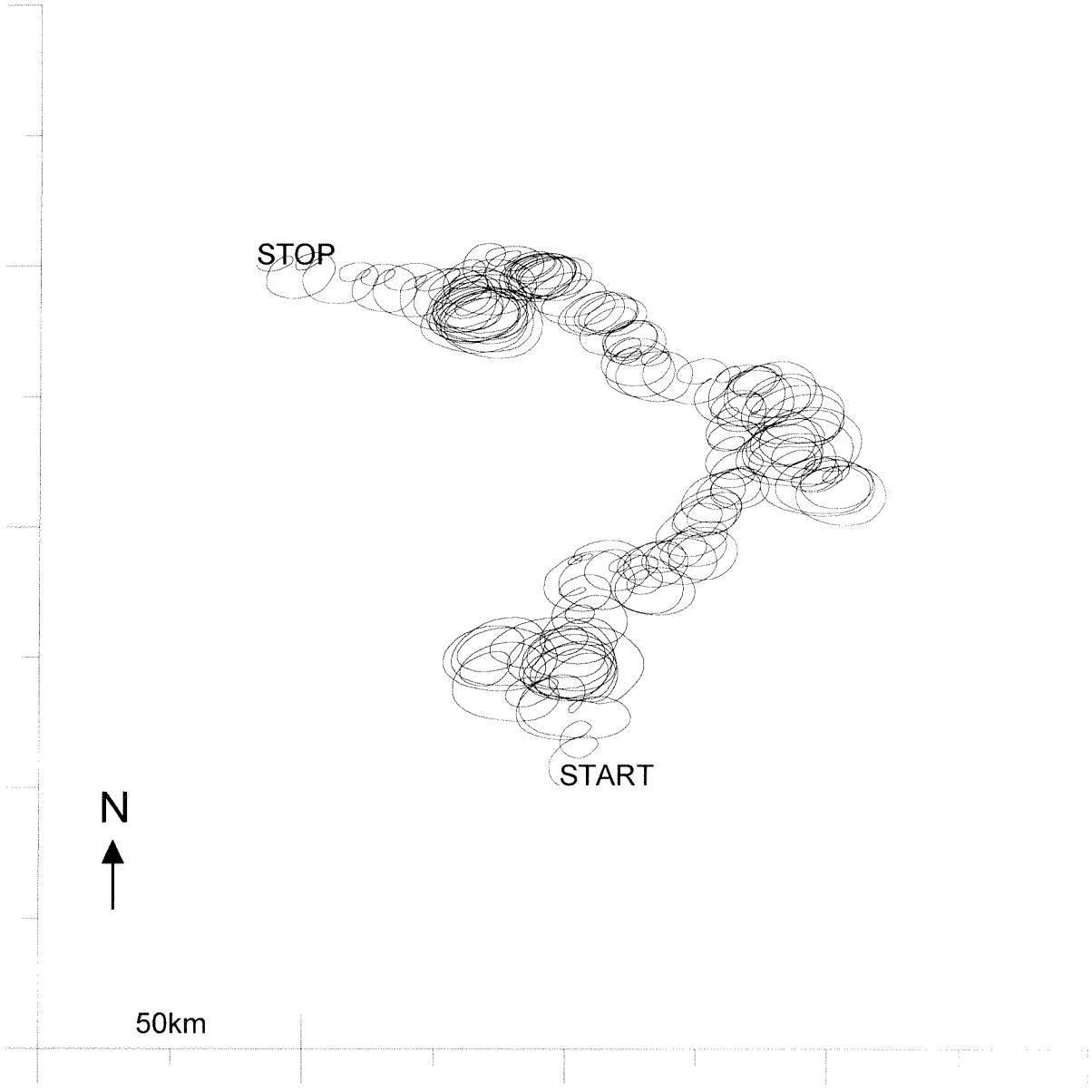
2448_001. Munkagrunnur
From 1977/04/28 to 1977/07/12.



2448_001. Munkagrunnur
From 1977/04/28 to 1977/07/12.



Progressive vector diagram
2448_001 Munkagrunnur 1977



Deployment: 2986_001 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 61 10.000 N
Longitude: 6 28.500 W
Bottom depth: 143
Instrument depth: 40
Number of records: 8729
Time of first rec: 19780124 1814
Time of last rec : 19780725 1414
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	8729	0
Column 5: Speed	8729	0
Column 6: Direct	8729	0

Comments
Time of last record on tape could not be checked.

Residual current: 122 mm/sec towards: 167 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

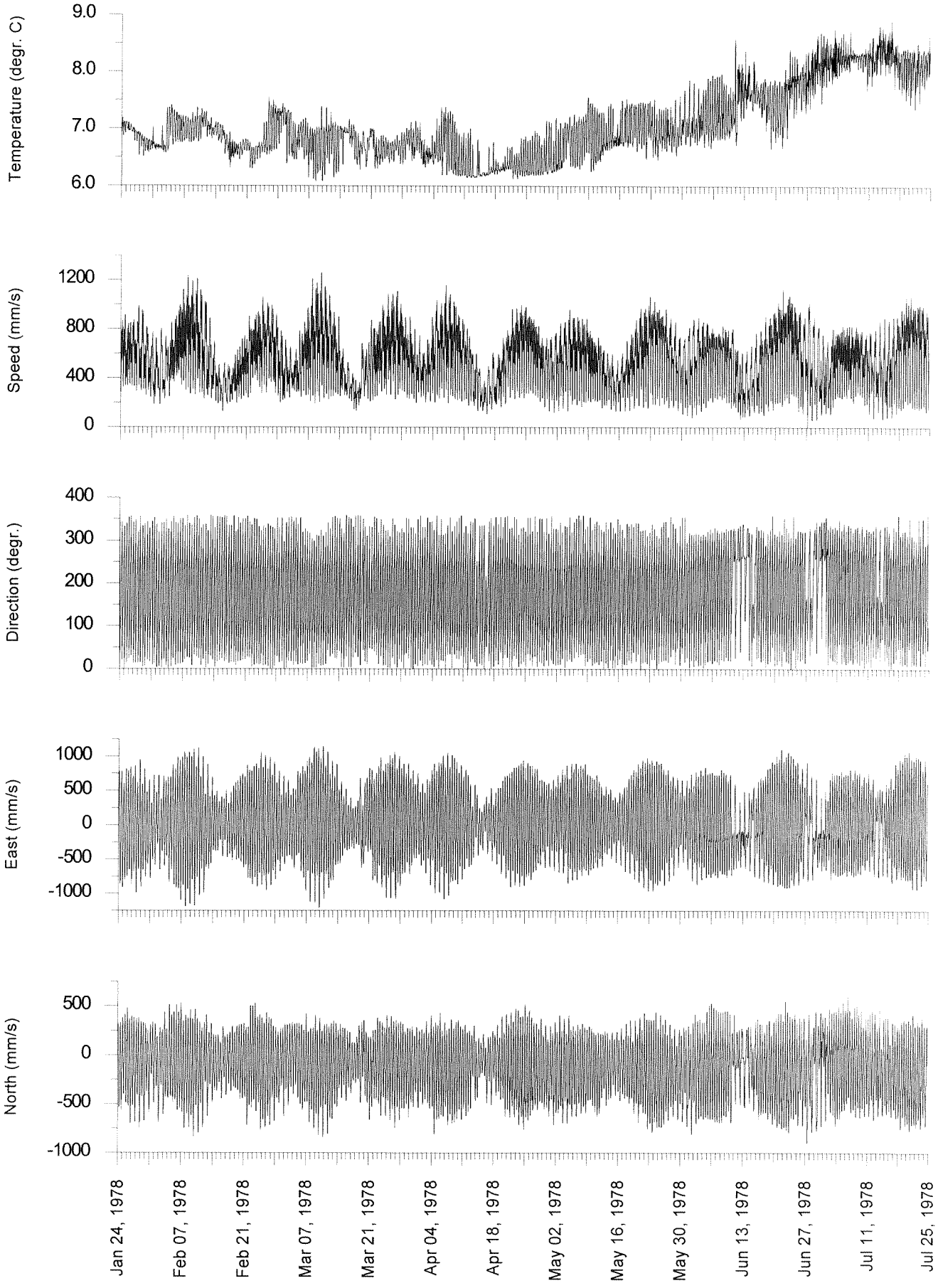
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	16	33	41	212	44	0	112	212	C	
MSF	.00282193	15	45	30	238	34	3	116	236	A	
Q1	.03721850	55	289	29	179	56	26	167	116	A	
O1	.03873065	113	326	84	231	113	83	173	151	A	
NO1	.04026859	14	199	15	91	17	12	124	66	A	
P1	.04155259	27	175	20	80	27	20	173	360	A	I
K1	.04178075	80	193	59	101	80	59	177	14	A	
N2	.07899925	120	250	65	176	122	62	11	245	A	
M2	.08051140	605	276	351	201	614	335	12	270	A	
L2	.08202355	16	340	18	234	19	14	124	207	A	
S2	.08333334	211	312	111	237	214	105	10	306	A	
K2	.08356149	57	312	30	237	58	29	10	306	A	I
MK3	.12229210	14	189	16	16	21	1	130	13	A	
M4	.16102280	12	293	25	133	27	4	115	129	A	
MS4	.16384470	2	48	19	166	19	2	93	167	C	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

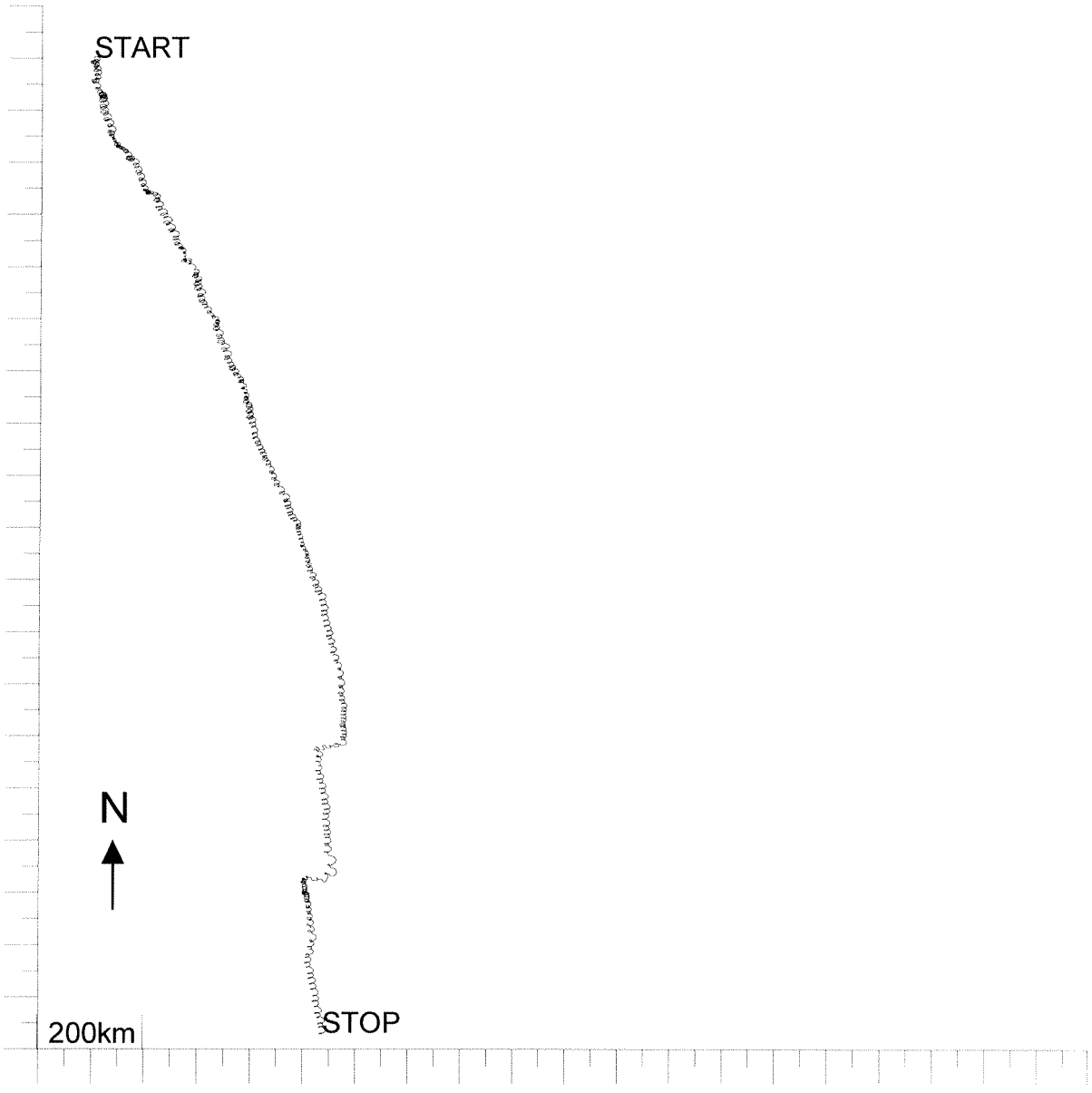
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	1	0	0	0	2	2
100 - 150	0	0	0	0	0	0	0	0	2	2	2	1	10	12
150 - 200	2	0	0	0	0	0	0	0	2	3	7	2	22	35
200 - 300	14	8	4	2	3	3	2	2	8	14	27	16	108	144
300 - 400	14	16	9	5	6	6	5	5	14	20	13	6	123	268
400 - 500	5	16	12	10	13	17	12	12	17	18	2	2	141	409
500 - 600	1	11	19	13	16	17	13	12	22	14	0	0	143	552
600 - 700	0	8	24	20	19	17	15	17	26	8	0	0	159	711
700 - 800	0	3	24	24	13	8	8	23	27	2	0	0	138	849
800 - 900	0	1	19	19	8	2	0	15	19	1	0	0	87	937
900 - 1000	0	0	10	10	4	0	0	4	13	0	0	0	44	981
1000 - 1100	0	0	3	4	0	0	0	0	4	0	0	0	13	995
1100 - 1200	0	0	1	0	0	0	0	0	2	0	0	0	3	999
1200 - 1300	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	39	65	129	112	86	73	60	96	164	87	53	28		
Rel.flux (ppt)	22	53	153	139	93	72	60	112	186	66	25	13		
Avg.spd (mm/s)	321	458	666	695	605	556	553	653	636	423	267	276		
Max.spd (mm/s)	631	885	1146	1150	1030	915	907	1053	1262	971	470	523		

2986_001
From 1978/01/24 to 1978/07/25.



Progressive vector diagram
2986_001



Deployment: 2984_003 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 12.300 N
Longitude: 6 30.500 W
Bottom depth: 144
Instrument depth: 40
Number of records: 6960
Time of first rec: 19790211 2300
Time of last rec : 19790706 2230
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	6960	0
Column 5: Speed	6960	0
Column 6: Direct	6960	0

Comments
Time of last record on tape checked and correct.

Residual current: 100 mm/sec towards: 163 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

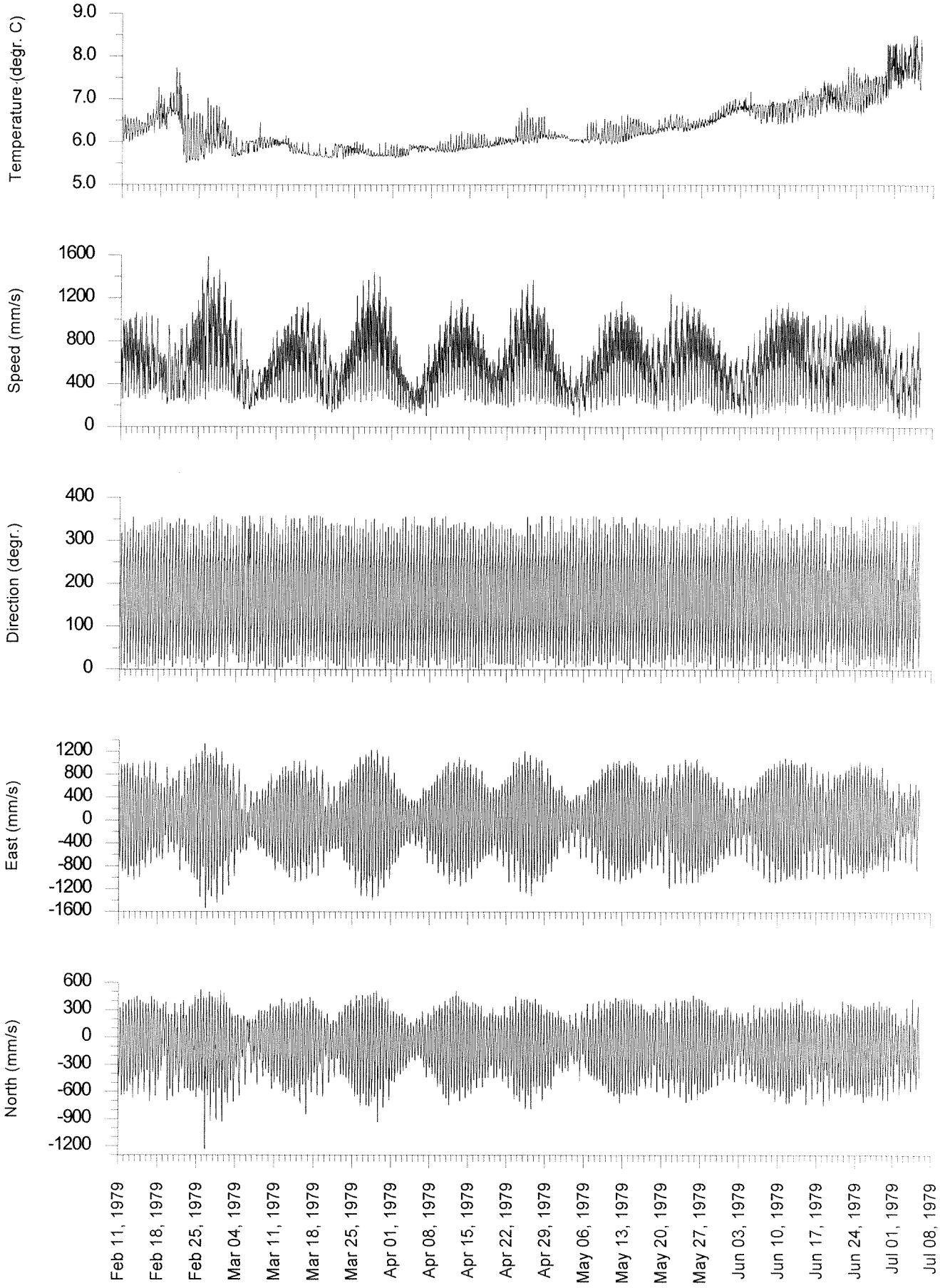
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	17	340	20	220	22	13	126	197	A	
MSF	.00282193	14	13	22	217	25	5	122	210	A	
Q1	.03721850	58	291	20	211	58	20	4	289	A	
O1	.03873065	140	321	72	231	140	72	0	320	A	
NO1	.04026859	4	231	7	162	7	4	69	174	A	
P1	.04155259	33	173	18	87	33	18	3	172	A	I
K1	.04178075	100	190	56	109	100	55	7	186	A	
N2	.07899925	137	244	63	175	140	58	11	240	A	
M2	.08051140	717	273	367	202	730	342	12	267	A	
L2	.08202355	17	344	23	259	23	17	83	265	A	
S2	.08333334	248	310	114	240	252	105	11	306	A	
K2	.08356149	67	310	31	240	68	29	11	306	A	I
MK3	.12229210	18	197	19	29	26	3	134	23	A	
M4	.16102280	31	309	43	137	53	3	126	134	A	
MS4	.16384470	21	345	23	178	31	4	132	172	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

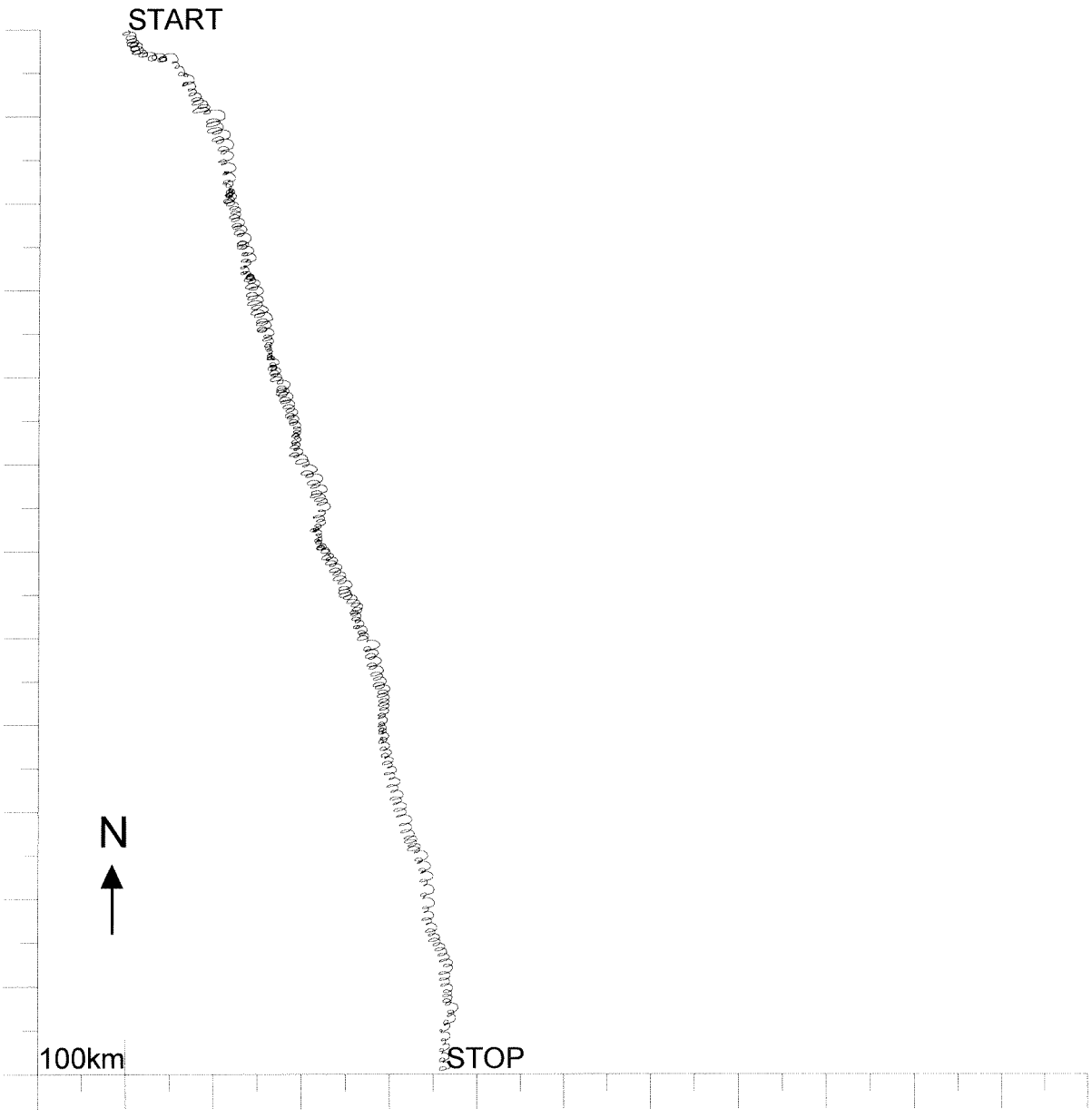
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100 - 150	1	0	0	0	0	0	0	0	0	0	2	1	7	8
150 - 200	4	1	0	0	0	0	0	0	1	2	4	4	22	31
200 - 300	18	10	3	2	2	3	3	4	5	11	18	14	98	129
300 - 400	16	18	7	6	5	5	8	8	7	19	8	3	116	245
400 - 500	4	21	12	8	7	10	11	12	15	16	1	0	120	366
500 - 600	0	18	19	12	13	12	15	14	22	12	0	0	142	508
600 - 700	0	12	16	17	15	13	14	17	25	7	0	0	141	650
700 - 800	0	6	20	17	13	5	4	14	27	2	0	0	113	763
800 - 900	0	1	20	23	6	1	0	9	27	0	0	0	91	855
900 - 1000	0	0	24	17	1	0	0	4	23	0	0	0	73	928
1000 - 1100	0	0	11	7	1	0	0	1	18	0	0	0	41	969
1100 - 1200	0	0	5	2	0	0	0	0	8	0	0	0	17	986
1200 - 1300	0	0	2	0	0	0	0	0	3	0	0	0	6	993
1300 - 1400	0	0	0	0	0	0	0	0	3	0	0	0	4	998
1400 - 1500	0	0	0	0	0	0	0	0	1	0	0	0	1	999
1500 - 1600	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	44	92	145	117	68	54	59	88	194	75	36	24		
Rel.flux (ppt)	21	72	177	142	70	48	50	90	245	54	15	9		
Avg.spd (mm/s)	289	478	744	739	622	543	522	620	766	439	260	235		
Max.spd (mm/s)	526	920	1340	1370	1342	1348	1253	1398	1589	980	450	388		

2984_003
From 1979/02/11 to 1979/07/06.



Progressive vector diagram
2984_003



Deployment: 2983_008 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 13.000 N
Longitude: 6 29.000 W
Bottom depth: 139
Instrument depth: 40
Number of records: 3186
Time of first rec: 19800902 1730
Time of last rec : 19810113 1030
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3186	0
Column 5: Speed	3186	0
Column 6: Direct	3186	0

Comments
Time of last record on tape checked and correct.

Residual current: 140 mm/sec towards: 174 degrees

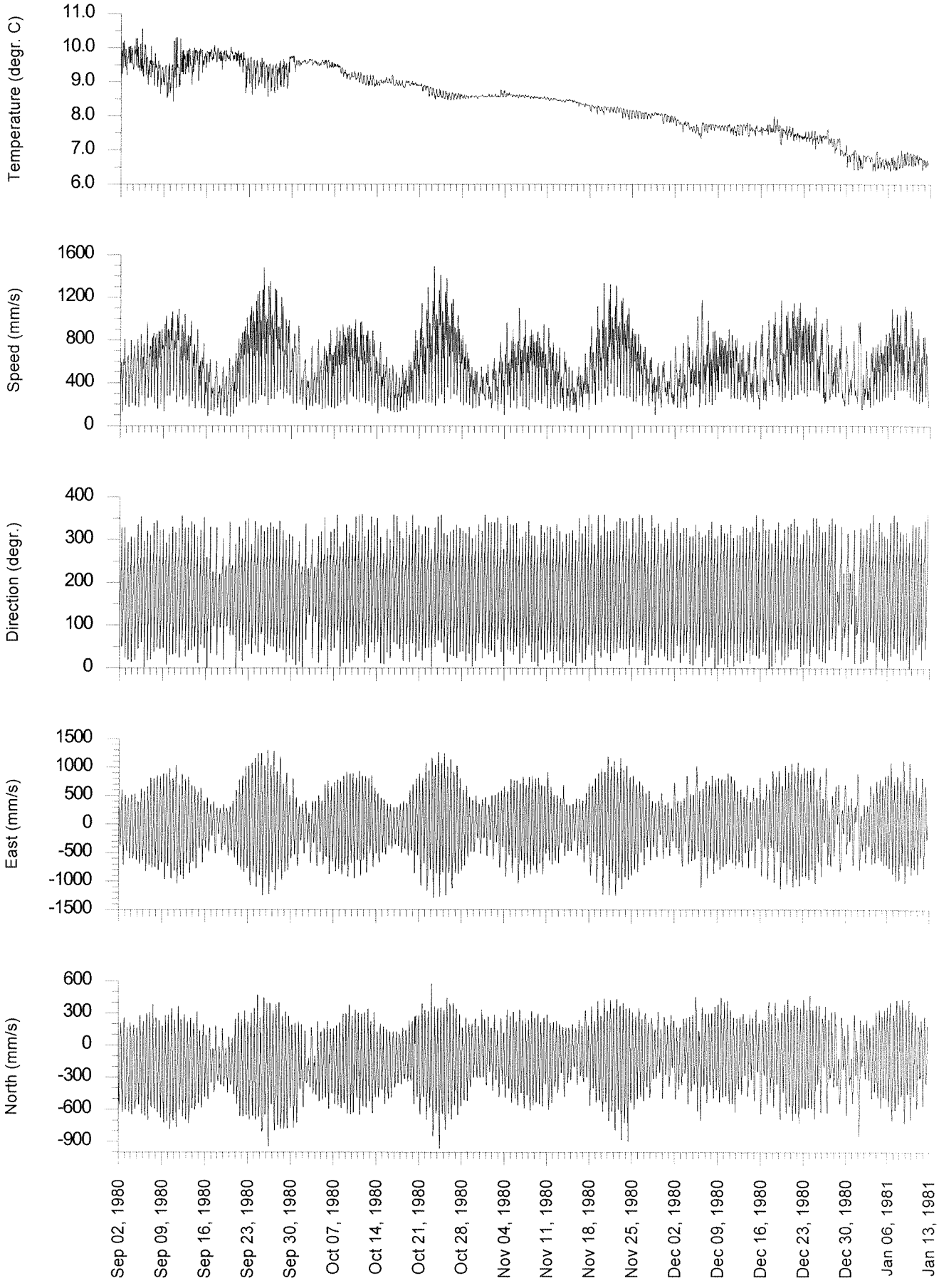
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis performed on unfiltered data

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	17	11	18	265	20	15	127	236	A	
MSF	.00282193	27	49	17	203	31	6	149	222	C	
Q1	.03721850	47	287	19	209	47	19	6	284	A	
O1	.03873065	105	325	61	239	105	61	4	322	A	
NO1	.04026859	12	246	8	173	12	7	17	236	A	
P1	.04155259	34	171	19	80	34	19	179	352	A	I
K1	.04178075	103	188	58	103	103	57	3	187	A	
N2	.07899925	146	250	73	176	148	70	10	246	A	
M2	.08051140	647	276	353	203	658	331	12	270	A	
L2	.08202355	18	307	14	220	18	14	5	303	A	
S2	.08333334	237	311	117	238	240	110	10	306	A	
K2	.08356149	64	311	32	238	65	30	10	306	A	I
MK3	.12229210	17	190	16	358	23	2	136	4	C	
M4	.16102280	25	307	27	124	37	1	133	126	C	
MS4	.16384470	17	333	20	159	27	1	130	156	A	

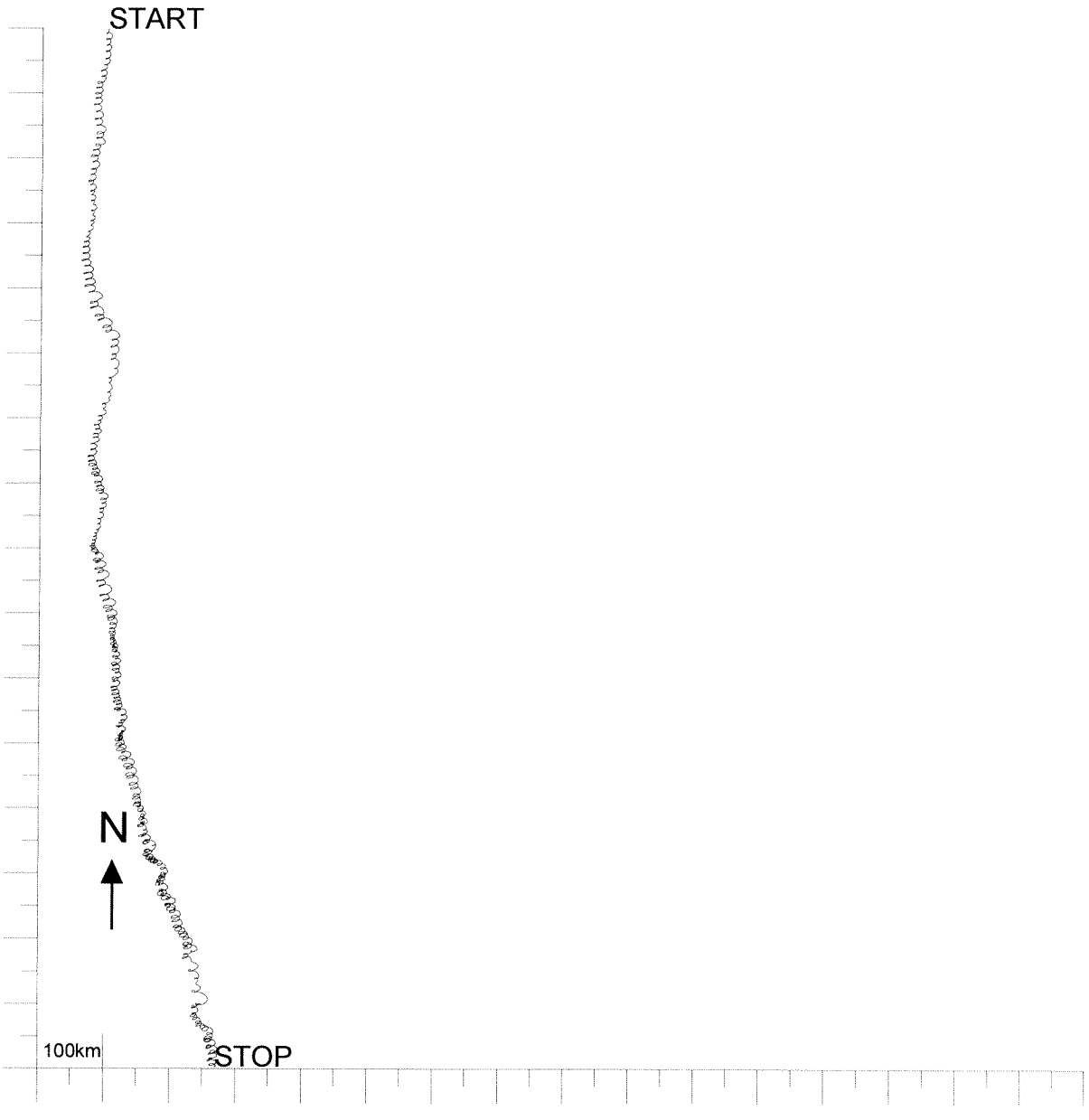
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100 - 150	1	0	0	0	0	0	0	0	0	0	1	2	7	9
150 - 200	6	2	0	1	0	0	0	1	0	1	9	6	31	40
200 - 300	17	11	7	4	6	6	3	5	6	9	20	15	115	156
300 - 400	10	17	16	10	10	12	12	7	11	16	7	5	139	295
400 - 500	3	15	18	13	10	9	12	16	16	11	1	0	129	425
500 - 600	0	13	20	13	12	14	16	19	26	9	0	0	145	571
600 - 700	0	2	19	16	17	13	14	20	28	1	0	0	134	706
700 - 800	0	3	14	18	10	5	6	16	30	3	0	0	110	816
800 - 900	0	0	14	17	8	0	1	13	21	0	0	0	80	897
900 - 1000	0	0	7	13	3	0	0	8	18	0	0	0	51	949
1000 - 1100	0	0	5	8	1	0	0	1	7	0	0	0	24	973
1100 - 1200	0	0	2	3	1	0	0	1	5	0	0	0	14	988
1200 - 1300	0	0	1	2	0	0	0	0	2	0	0	0	7	995
1300 - 1400	0	0	0	0	0	0	0	0	2	0	0	0	3	999
1400 - 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	40	68	129	123	84	65	69	112	181	54	40	30		
Rel.flux (ppt)	19	51	142	152	88	57	64	127	224	40	17	12		
Avg.spd (mm/s)	273	429	626	702	595	504	524	641	704	424	253	235		
Max.spd (mm/s)	480	1032	1307	1273	1165	991	1002	1492	1393	889	485	362		

2983_008
From 1980/09/02 to 1981/01/13.



Progressive vector diagram
2983_008



Deployment: 2983_009 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 12.000 N
Longitude: 6 30.000 W
Bottom depth: 140
Instrument depth: 40
Number of records: 7974
Time of first rec: 19810209 1645
Time of last rec : 19810725 1915
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	7972	2
Column 5: Speed	7974	0
Column 6: Direct	7974	0

Comments
Time of last record on tape checked and correct.

Residual current: 130 mm/sec towards: 158 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

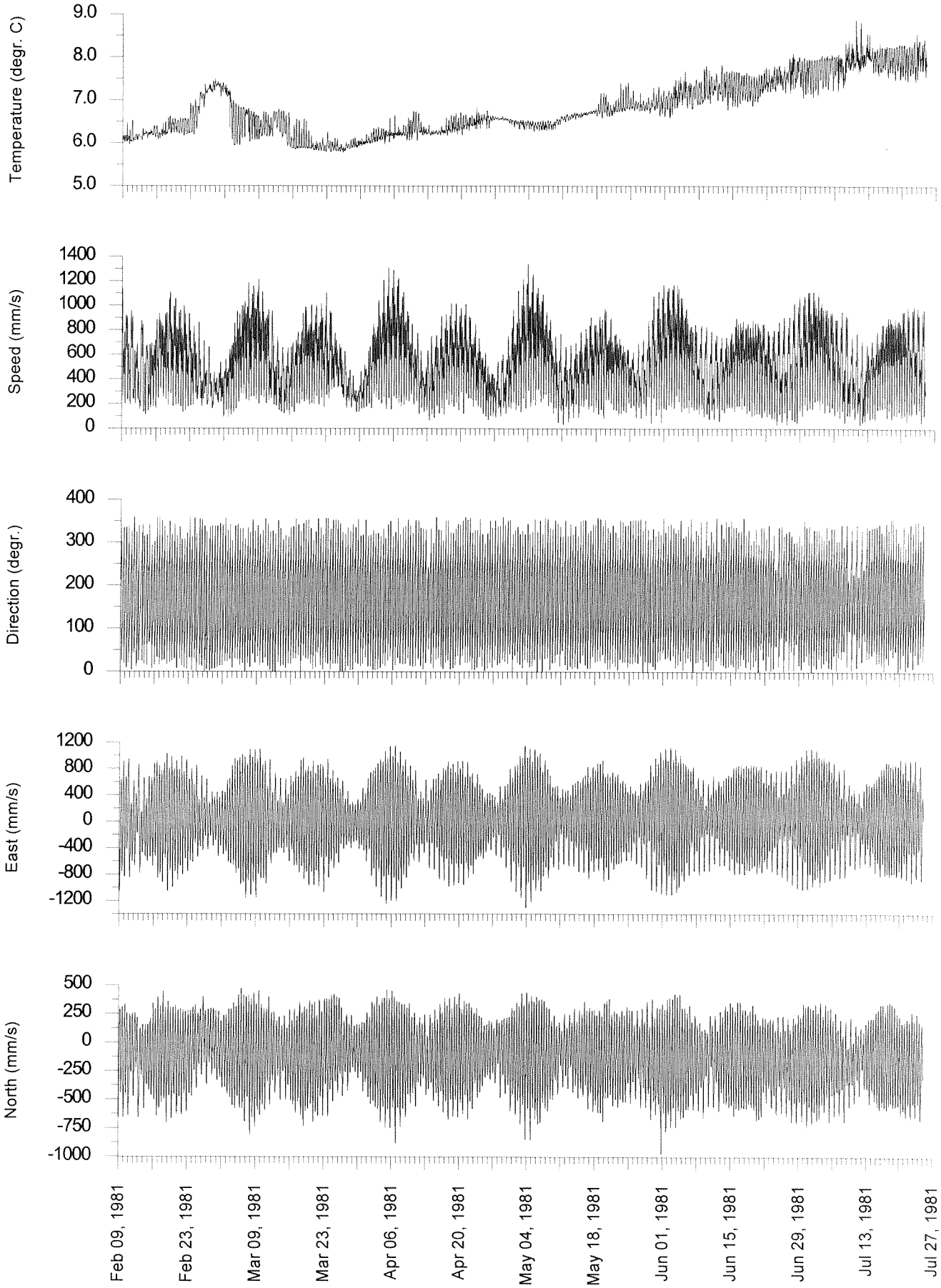
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	13	58	25	215	28	5	115	219	C	
MSF	.00282193	24	41	21	213	32	2	139	217	C	
Q1	.03721850	49	296	18	207	49	18	0	296	A	
O1	.03873065	134	326	71	237	134	71	1	326	A	
NO1	.04026859	15	279	7	226	16	5	16	274	A	
P1	.04155259	27	170	18	80	27	18	0	170	A	I
K1	.04178075	81	187	53	101	82	53	5	184	A	
N2	.07899925	136	251	63	183	139	57	12	246	A	
M2	.08051140	637	275	339	205	651	312	13	269	A	
L2	.08202355	24	310	24	223	25	23	38	274	A	
S2	.08333334	218	314	106	243	222	99	11	309	A	
K2	.08356149	59	314	29	243	60	27	11	309	A	I
MK3	.12229210	18	200	16	30	24	2	138	24	A	
M4	.16102280	26	324	31	144	41	0	130	144	A	
MS4	.16384470	15	357	23	179	28	0	124	178	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

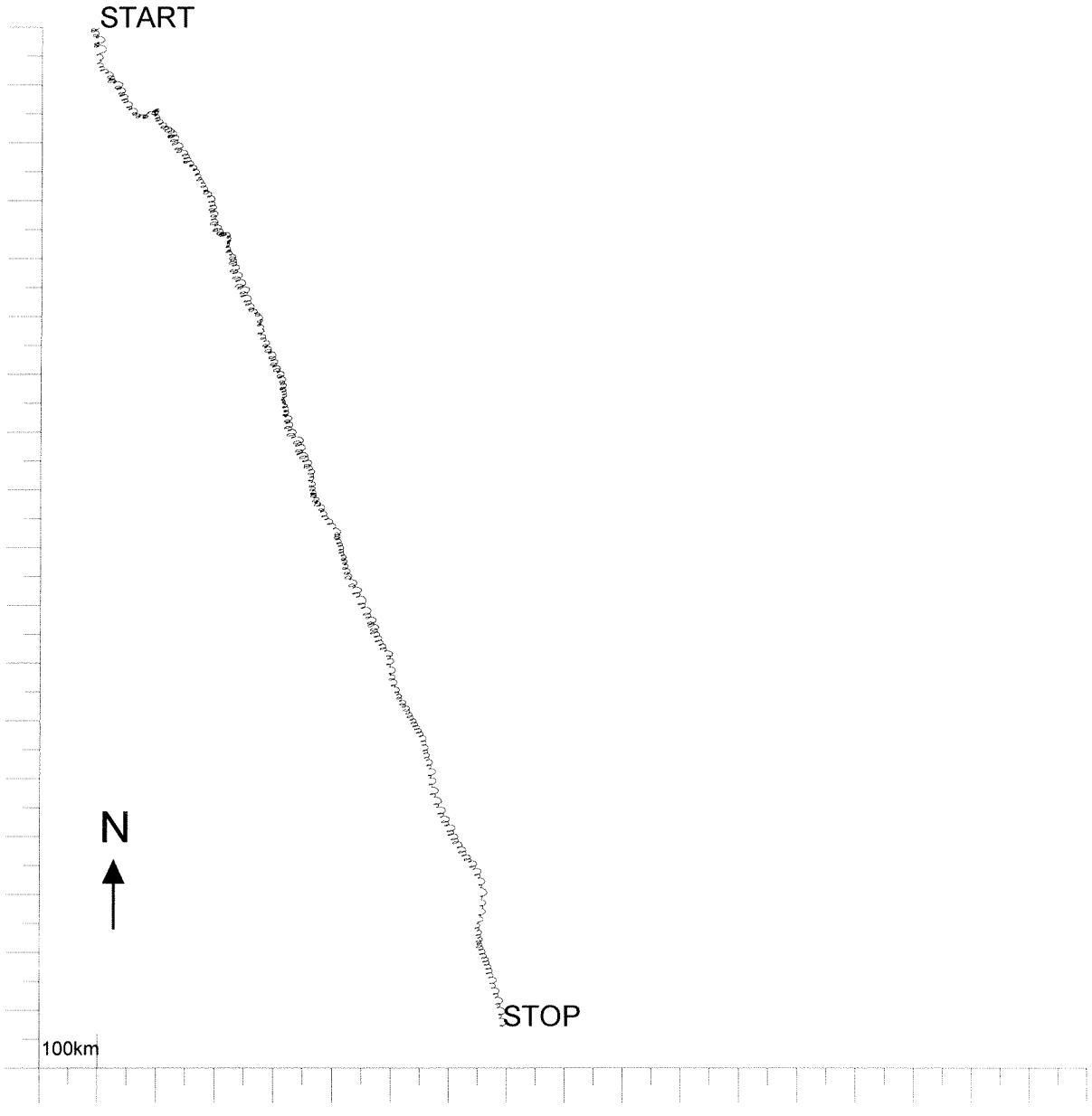
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	1	1
50 - 100	0	0	0	0	0	0	0	0	0	1	2	1	7	8
100 - 150	4	0	0	0	0	0	0	0	1	3	5	5	24	33
150 - 200	8	3	0	0	0	0	0	1	2	4	8	7	38	71
200 - 300	16	17	6	5	6	5	5	5	11	16	12	7	115	187
300 - 400	5	20	13	8	6	7	10	10	14	15	2	1	116	303
400 - 500	0	20	16	9	9	13	13	15	22	9	0	0	130	434
500 - 600	0	12	20	11	17	18	17	15	25	4	0	0	144	578
600 - 700	0	7	26	19	18	12	12	19	29	2	0	0	147	726
700 - 800	0	2	22	22	12	3	3	17	28	0	0	0	112	838
800 - 900	0	0	20	22	5	0	0	9	21	0	0	0	81	920
900 - 1000	0	0	13	11	2	0	0	3	14	0	0	0	45	965
1000 - 1100	0	0	5	5	1	0	0	1	8	0	0	0	21	987
1100 - 1200	0	0	2	1	0	0	0	0	5	0	0	0	10	997
1200 - 1300	0	0	0	0	0	0	0	0	1	0	0	0	2	999
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	36	86	147	119	80	63	63	102	187	57	31	23		
Rel.flux (ppt)	15	64	177	151	85	58	57	111	223	35	11	8		
Avg.spd (mm/s)	232	410	659	691	585	505	499	598	653	333	198	188		
Max.spd (mm/s)	444	889	1176	1176	1098	889	1049	1236	1337	922	418	422		

2983_009
From 1981/02/09 to 1981/07/25.



Progressive vector diagram
2983_009



Deployment: 2983_010 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 11.500 N
Longitude: 6 28.500 W
Bottom depth: 128
Instrument depth: 40
Number of records: 9777
Time of first rec: 19810822 2245
Time of last rec : 19820314 1445
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	9776	1
Column 5: Speed	5303	4474
Column 6: Direct	9777	0

Comments
Time of last record on tape could not be checked. Rotor was off at recovery and a large number of records in the end have been errorflagged for speed.

Residual current: 151 mm/sec towards: 169 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

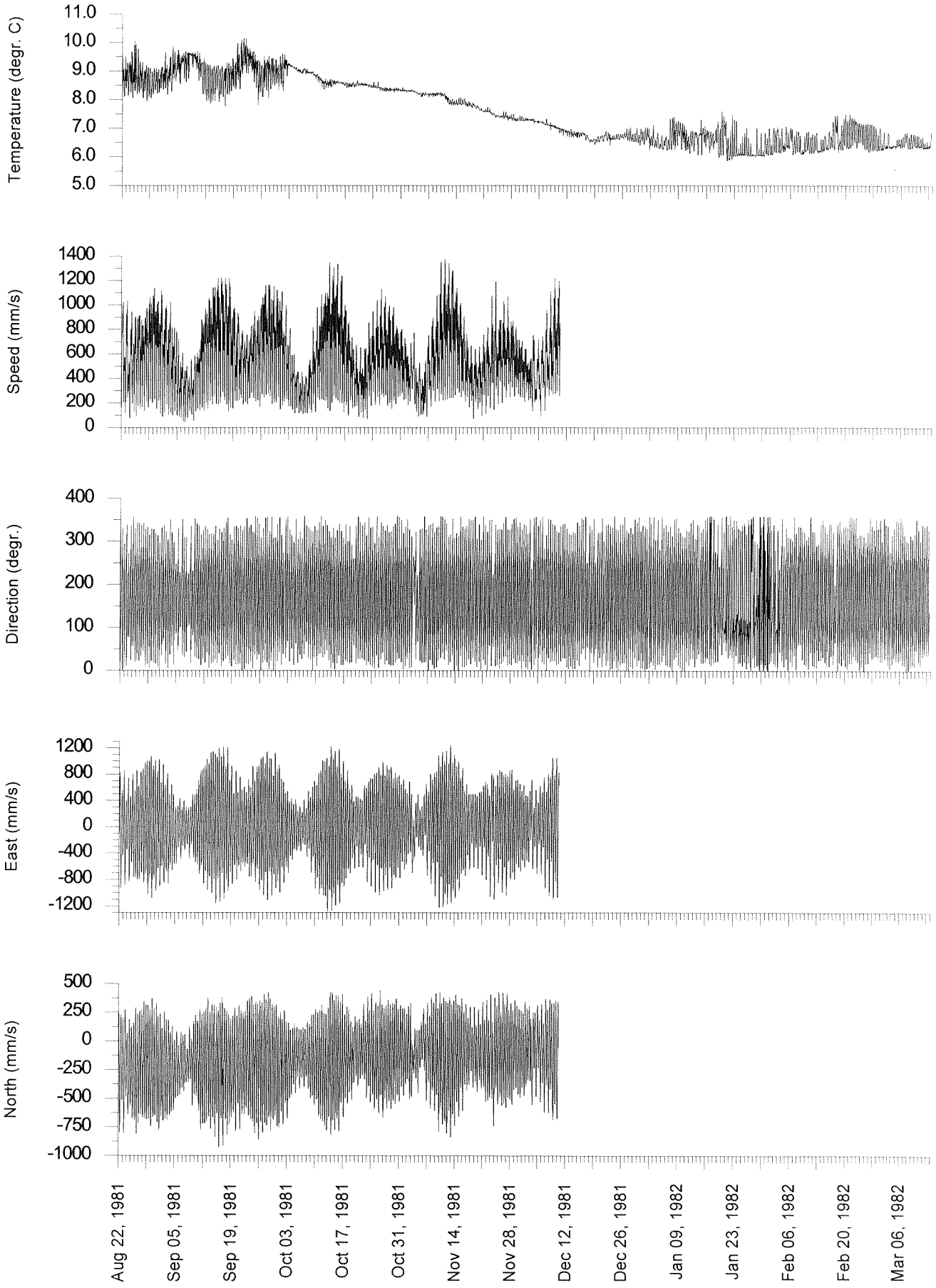
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	17	11	15	224	22	7	139	206	A	
MSF	.00282193	27	30	26	227	37	6	136	218	A	
Q1	.03721850	35	302	14	224	35	13	5	300	A	
O1	.03873065	128	318	63	225	128	63	178	139	A	
NO1	.04026859	29	272	13	155	30	12	166	97	A	
P1	.04155259	33	166	19	80	34	19	3	164	A	I
K1	.04178075	100	183	59	102	101	57	8	179	A	
N2	.07899925	145	258	76	182	147	73	10	253	A	
M2	.08051140	662	276	358	206	677	329	14	269	A	
L2	.08202355	19	300	21	204	21	19	116	181	A	
S2	.08333334	232	309	110	234	234	105	9	305	A	
K2	.08356149	63	309	30	234	64	29	9	305	A	I
MK3	.12229210	16	198	22	12	27	1	127	14	C	
M4	.16102280	25	317	27	140	37	1	133	138	A	
MS4	.16384470	13	338	23	166	27	2	120	164	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

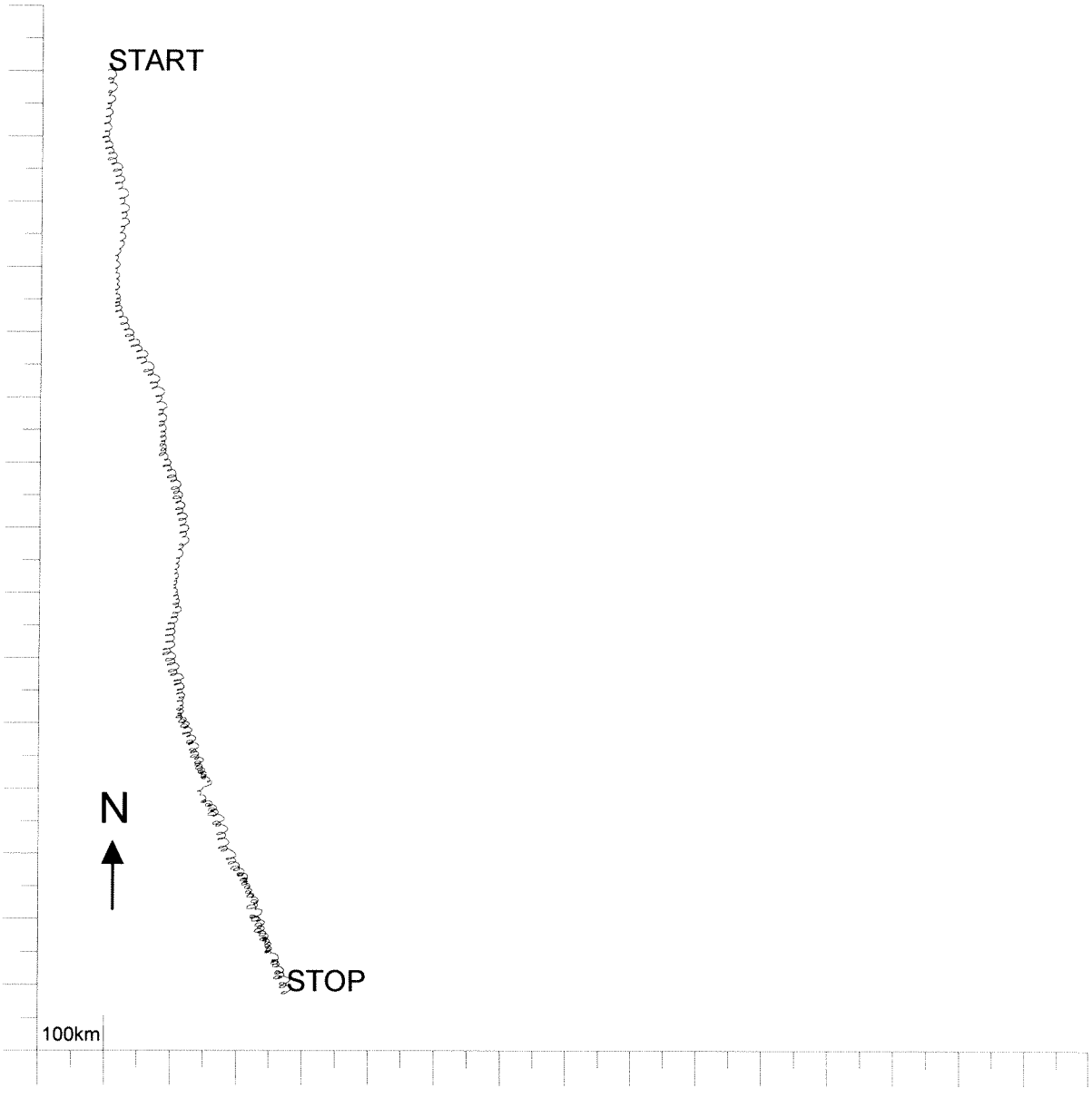
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	1	1	6	6
100 - 150	3	1	1	0	0	0	0	0	1	2	2	3	17	23
150 - 200	4	3	2	0	0	0	0	1	2	2	4	4	28	51
200 - 300	16	7	8	5	6	4	2	4	9	12	13	11	102	154
300 - 400	8	20	10	6	6	8	10	13	12	16	5	2	121	276
400 - 500	0	19	17	15	13	12	14	14	16	13	0	0	139	416
500 - 600	0	11	24	12	12	14	12	16	25	6	0	0	135	551
600 - 700	0	4	21	16	13	11	15	16	28	3	0	0	130	682
700 - 800	0	3	21	17	13	7	9	18	23	1	0	0	115	797
800 - 900	0	0	18	15	8	3	2	15	20	0	0	0	83	881
900 - 1000	0	0	11	13	4	0	0	8	16	0	0	0	55	937
1000 - 1100	0	0	6	8	2	0	0	4	13	0	0	0	35	972
1100 - 1200	0	0	3	5	0	0	0	2	7	0	0	0	19	991
1200 - 1300	0	0	1	1	0	0	0	0	2	0	0	0	6	997
1300 - 1400	0	0	0	0	0	0	0	0	1	0	0	0	2	1000
Total (ppt)	34	72	148	120	81	64	68	118	179	58	28	23		
Rel.flux (ppt)	14	53	165	147	85	59	64	133	216	38	11	8		
Avg.spd (mm/s)	252	422	645	705	607	535	545	648	696	382	235	212		
Max.spd (mm/s)	478	784	1240	1277	1217	1023	930	1378	1352	736	441	373		

2983_010
From 1981/08/22 to 1982/03/14.



Progressive vector diagram
2983_010



Deployment: 2983_012 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 11.800 N
Longitude: 6 29.300 W
Bottom depth: 139
Instrument depth: 40
Number of records: 5648
Time of first rec: 19820906 0856
Time of last rec : 19830102 0026
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	5648	0
Column 5: Speed	5648	0
Column 6: Direct	5648	0

Comments
Time of last record on tape could not be checked.

Residual current: 132 mm/sec towards: 170 degrees

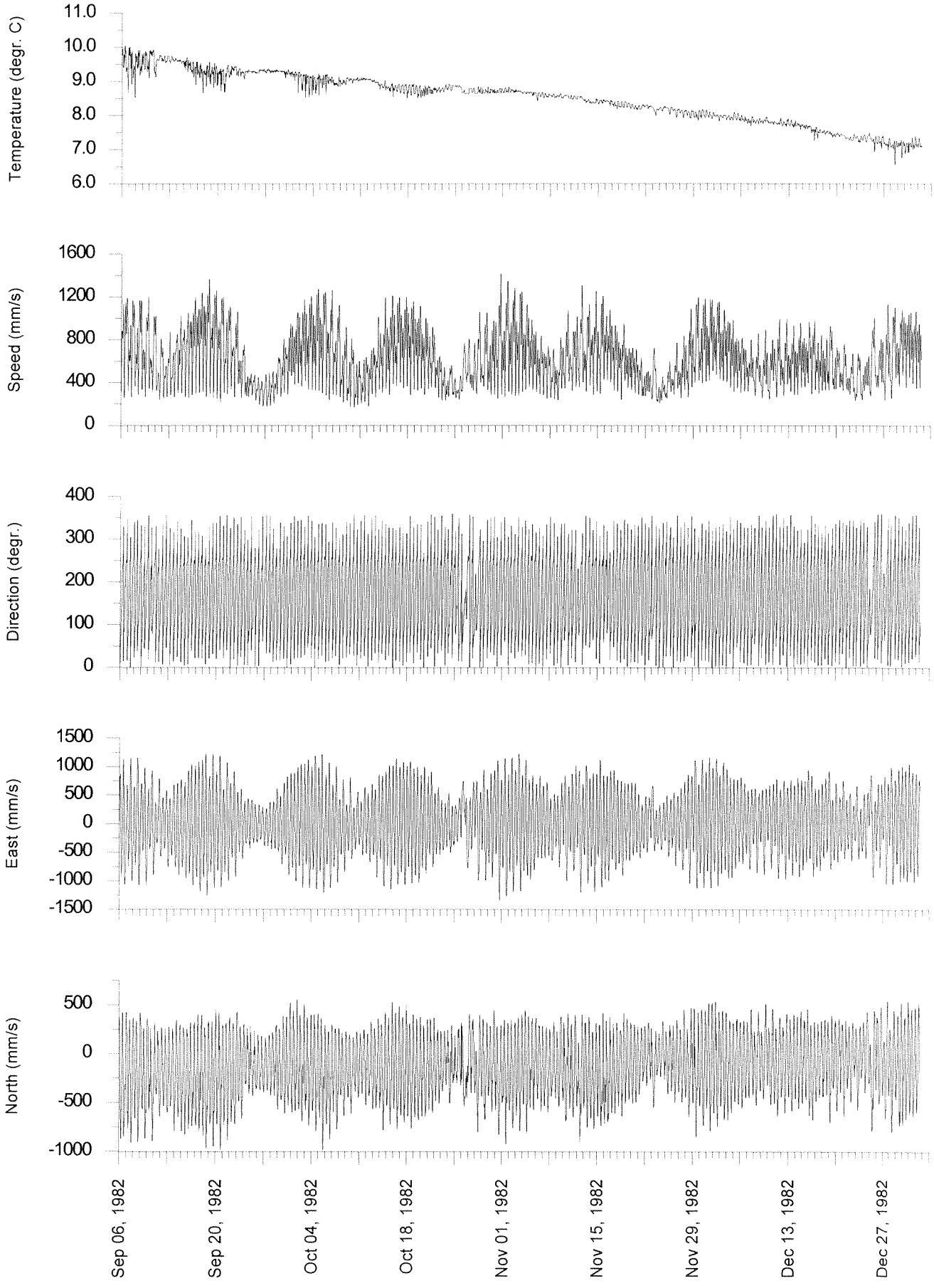
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	5	285	32	229	33	4	85	229	A	
MSF	.00282193	8	6	30	210	31	3	105	208	A	
Q1	.03721850	41	296	19	201	41	19	177	117	A	
O1	.03873065	123	320	67	232	123	66	1	320	A	
NO1	.04026859	65	318	45	189	73	31	150	152	A	
P1	.04155259	38	177	22	85	38	22	178	358	A	I
K1	.04178075	115	194	66	107	115	66	3	192	A	
N2	.07899925	134	262	72	192	137	66	14	255	A	
M2	.08051140	695	278	395	209	714	360	15	270	A	
L2	.08202355	28	291	17	221	28	15	17	282	A	
S2	.08333334	235	311	112	244	240	100	13	306	A	
K2	.08356149	64	311	30	245	65	27	13	306	A	I
MK3	.12229210	14	191	25	12	28	0	119	12	A	
M4	.16102280	17	311	34	126	38	1	117	127	C	
MS4	.16384470	15	335	24	162	28	2	122	160	A	

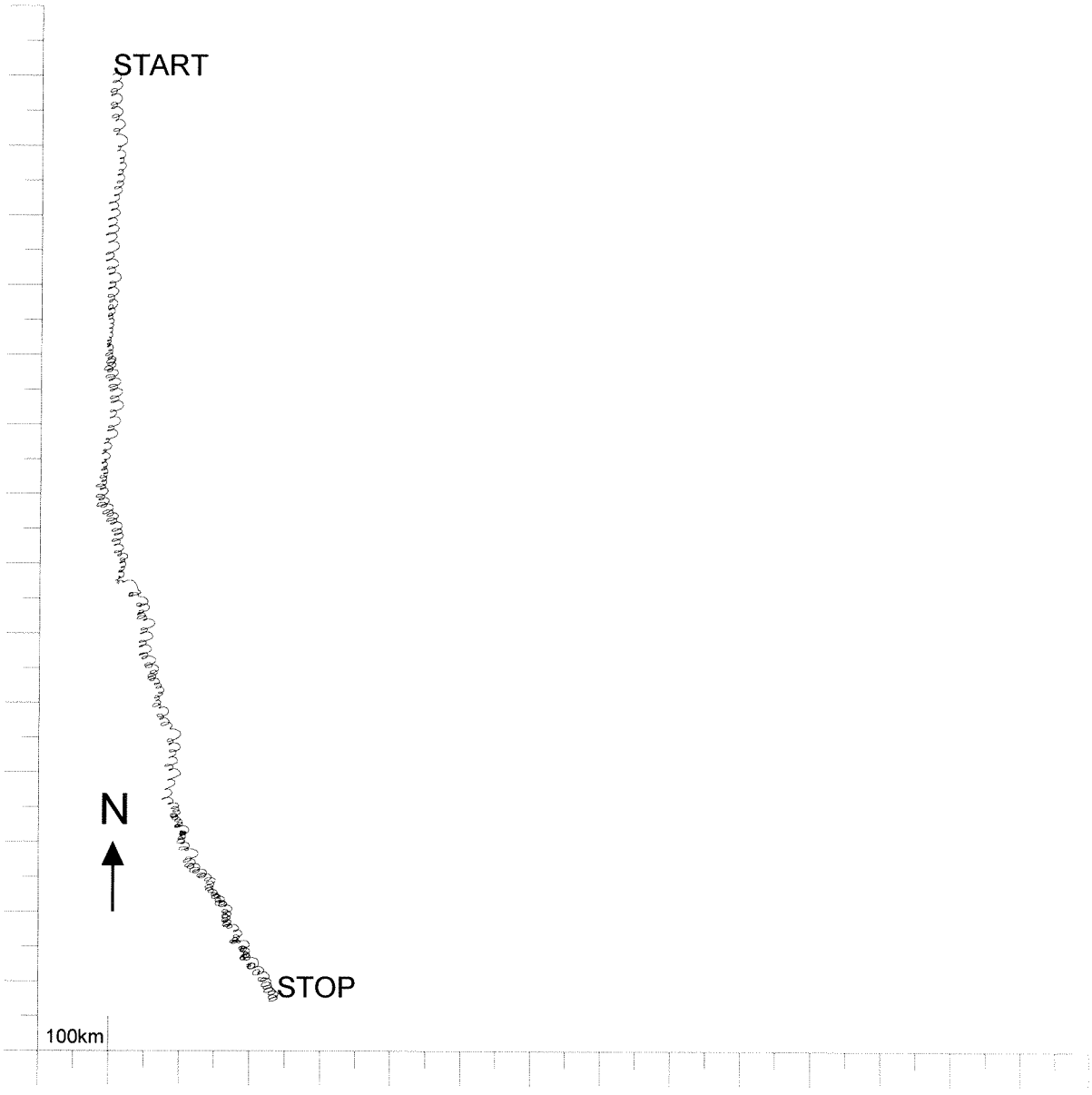
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 - 200	0	0	0	0	0	0	0	0	0	0	1	0	3	3
200 - 300	10	6	3	3	3	2	1	2	4	7	8	8	63	66
300 - 400	18	20	12	7	7	7	6	8	12	15	14	10	143	210
400 - 500	9	21	18	9	10	11	14	16	20	16	7	3	158	369
500 - 600	2	16	16	10	13	14	13	18	20	10	0	0	136	506
600 - 700	0	11	26	17	16	10	11	18	23	4	0	0	140	646
700 - 800	0	5	24	17	9	7	8	15	22	2	0	0	113	760
800 - 900	0	1	18	17	8	4	5	15	23	0	0	0	94	854
900 - 1000	0	0	13	10	5	2	1	10	17	0	0	0	61	916
1000 - 1100	0	0	9	9	3	0	0	7	14	0	0	0	44	960
1100 - 1200	0	0	5	7	0	0	0	4	12	0	0	0	28	989
1200 - 1300	0	0	1	0	0	0	0	1	5	0	0	0	8	998
1300 - 1400	0	0	0	0	0	0	0	0	1	0	0	0	1	999
1400 - 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	41	85	148	109	77	61	63	118	178	58	31	23		
Rel.flux (ppt)	23	66	166	129	79	56	59	131	214	42	17	12		
Avg.spd (mm/s)	356	486	693	734	631	576	580	688	747	449	345	321		
Max.spd (mm/s)	556	974	1228	1225	1075	1019	1053	1288	1415	877	560	500		

2983_012
From 1982/09/06 to 1983/01/02.



Progressive vector diagram
2983_012



Deployment: 1337_001 analyzed from beginning to end
Instrument no.: 1337
Instrument type: Aanderaa
Latitude: 61 37.160 N
Longitude: 6 49.360 W
Bottom depth: 55
Instrument depth: 20
Number of records: 4607
Time of first rec: 19760109 1324
Time of last rec : 19760210 1304
Time between records (min.): 10.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4607	0
Column 5: Speed	4607	0
Column 6: Direct	4607	0

Comments
Time of last record on tape checked and correct.

Residual current: 121 mm/sec towards: 311 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A6, A6, and A7

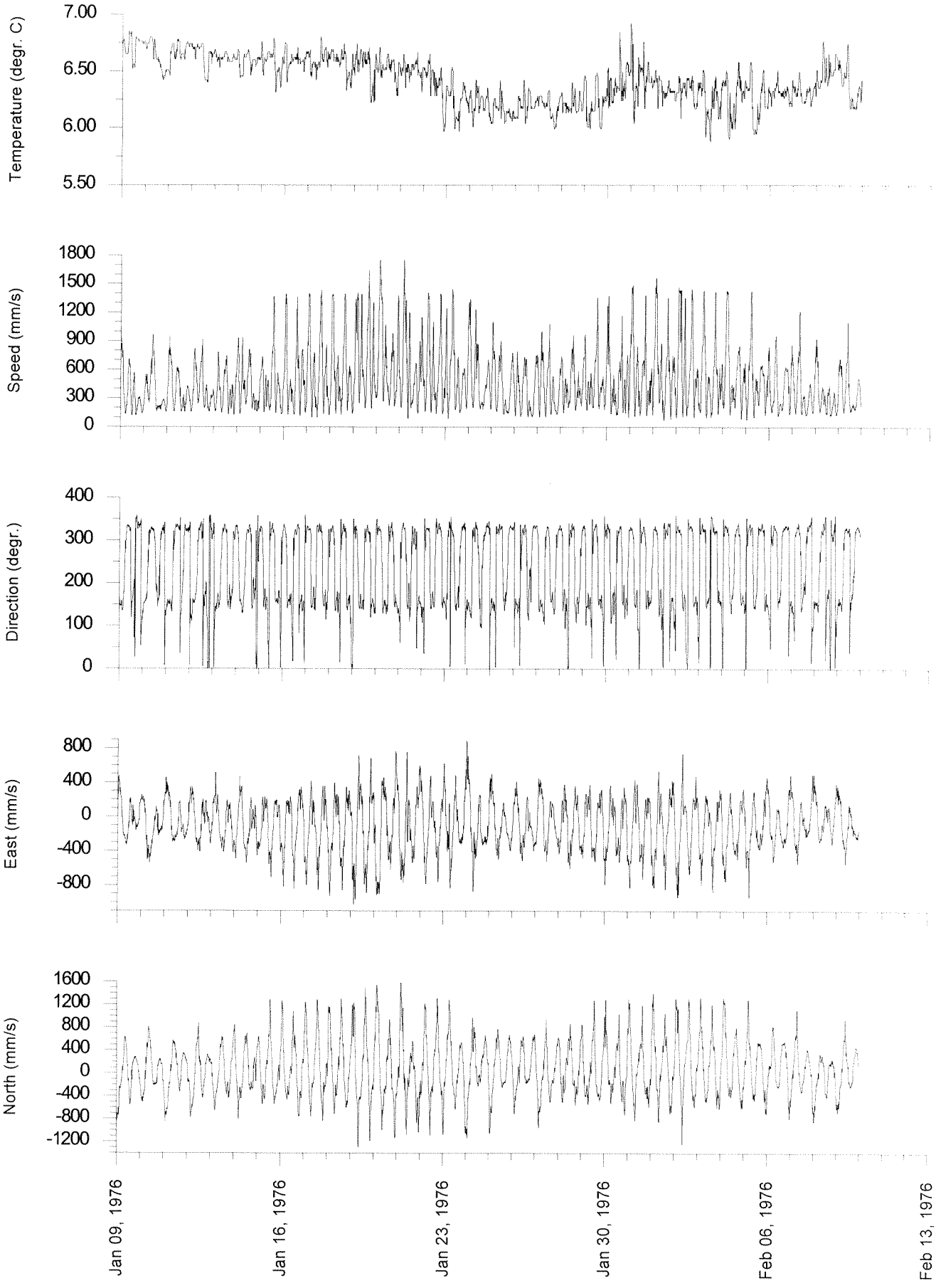
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	11	215	24	97	25	10	105	91	A	
MSF	.00282193	47	224	60	54	76	6	128	50	A	
Q1	.03721850	17	322	23	123	28	5	125	129	C	
O1	.03873065	90	327	108	142	140	6	130	144	C	
NO1	.04026859	6	284	11	255	12	3	60	262	A	
P1	.04155259	14	208	15	18	20	2	131	22	C	I
K1	.04178075	44	221	43	32	62	5	136	37	C	
N2	.07899925	67	247	79	59	104	7	130	62	C	
M2	.08051140	342	263	567	82	662	8	121	82	C	
L2	.08202355	6	305	29	142	29	2	102	141	A	
S2	.08333334	116	304	191	113	223	19	121	116	C	
K2	.08356149	31	304	52	113	61	5	121	116	C	I
MK3	.12229210	30	230	39	37	49	5	127	42	C	
M4	.16102280	36	21	81	227	87	15	113	223	A	
MS4	.16384470	36	34	63	237	72	12	119	231	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

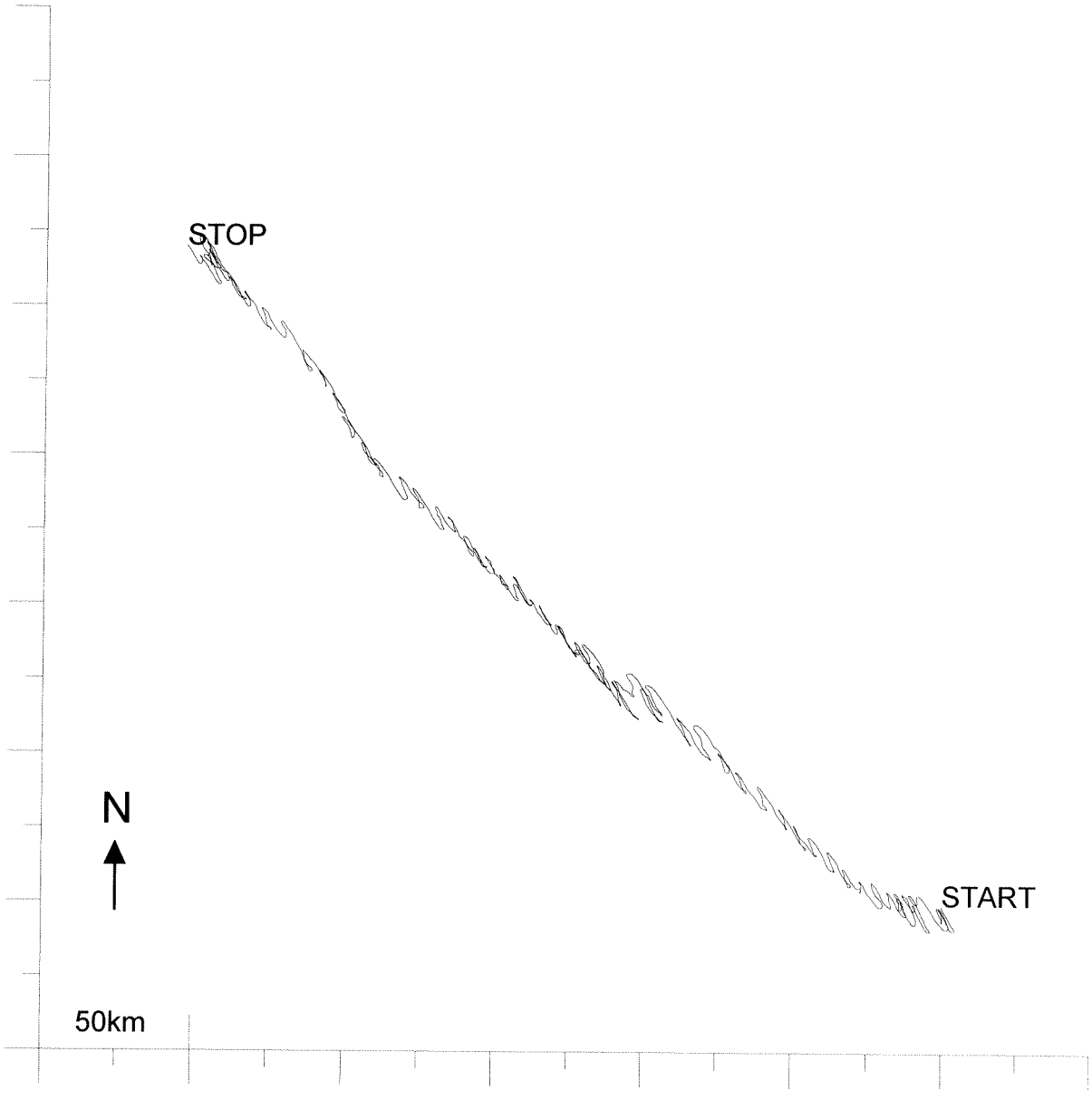
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	3	3
100 - 150	3	3	2	2	2	4	6	9	4	4	3	2	50	54
150 - 200	6	4	4	6	9	13	10	6	6	8	9	9	97	151
200 - 300	6	1	2	13	35	31	14	6	7	15	38	17	190	341
300 - 400	1	0	0	7	32	34	6	0	3	6	39	9	143	485
400 - 500	0	0	0	1	27	37	1	0	1	5	36	8	120	606
500 - 600	0	0	0	0	15	24	1	0	0	3	37	17	101	707
600 - 700	0	0	0	0	9	16	1	0	0	1	39	20	88	796
700 - 800	0	0	0	0	9	17	0	0	0	0	31	12	72	868
800 - 900	0	0	0	0	2	8	0	0	0	0	19	6	38	906
900 - 1000	0	0	0	0	1	2	0	0	0	0	9	6	20	927
1000 - 1100	0	0	0	0	1	3	0	0	0	0	5	2	13	940
1100 - 1200	0	0	0	0	0	1	0	0	0	0	5	2	10	951
1200 - 1300	0	0	0	0	1	0	0	0	0	0	5	2	9	961
1300 - 1400	0	0	0	0	1	1	0	0	0	0	12	8	23	984
1400 - 1500	0	0	0	0	0	0	0	0	0	0	7	5	12	996
1500 - 1600	0	0	0	0	0	0	0	0	0	0	0	0	0	997
1600 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	1	999
1700 - 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	20	9	9	32	152	199	43	23	25	47	302	134		
Rel.flux (ppt)	9	3	3	16	136	192	23	8	12	29	381	182		
Avg.spd (mm/s)	226	162	183	257	435	472	263	179	235	305	615	662		
Max.spd (mm/s)	858	245	385	511	1379	1390	939	365	572	903	1670	1748		

1337_001. Suðuroyarfjørður 1976
From 1976/01/09 to 1976/02/10.



Progressive vector diagram
1337_001 Suduroyarfjoerdur 1976



Deployment: 2983_001 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 43.600 N
Longitude: 7 29.200 W
Bottom depth: 145
Instrument depth: 40
Number of records: 4829
Time of first rec: 19780124 1443
Time of last rec : 19780505 0443
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4829	0
Column 5: Speed	4829	0
Column 6: Direct	4829	0

Comments
Time of last record on tape checked and correct.

Residual current: 36 mm/sec towards: 345 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

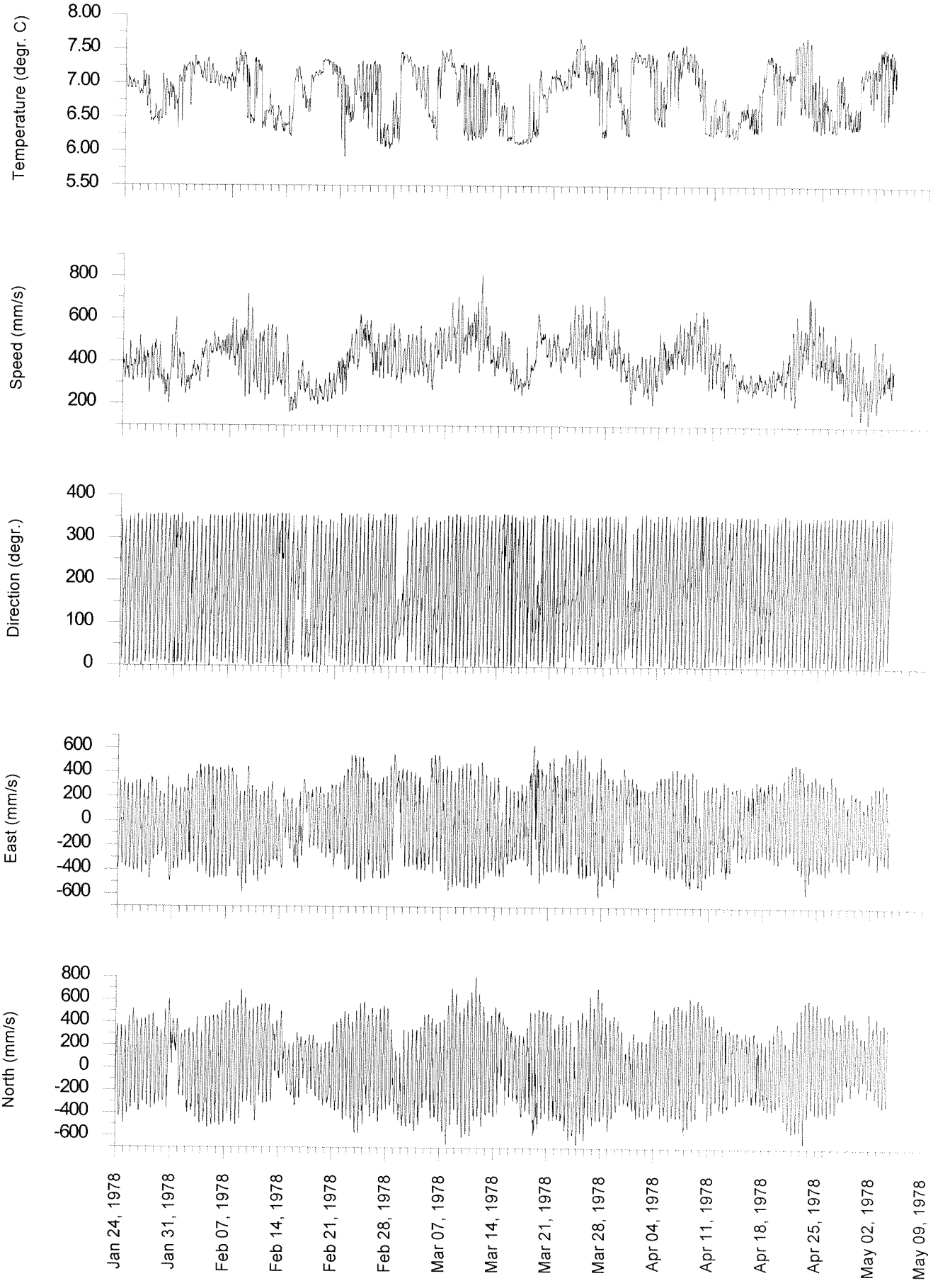
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	48	294	47	119	67	3	135	117	A	
MSF	.00282193	53	293	60	118	80	4	131	116	A	
Q1	.03721850	8	29	9	239	12	3	130	227	A	
O1	.03873065	12	22	17	250	19	8	122	236	A	
NO1	.04026859	3	200	5	127	6	3	78	133	A	
P1	.04155259	2	120	5	36	5	2	88	37	A	I
K1	.04178075	6	147	15	52	15	5	92	51	A	
N2	.07899925	44	247	55	152	55	44	101	144	A	
M2	.08051140	306	276	361	187	361	305	87	190	A	
L2	.08202355	15	334	16	213	20	11	131	186	A	
S2	.08333334	99	304	112	221	114	96	69	239	A	
K2	.08356149	27	304	30	221	31	26	69	239	A	I
MK3	.12229210	5	33	3	311	5	3	6	30	A	
M4	.16102280	2	276	5	185	5	2	91	185	A	
MS4	.16384470	12	343	18	243	18	12	103	234	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

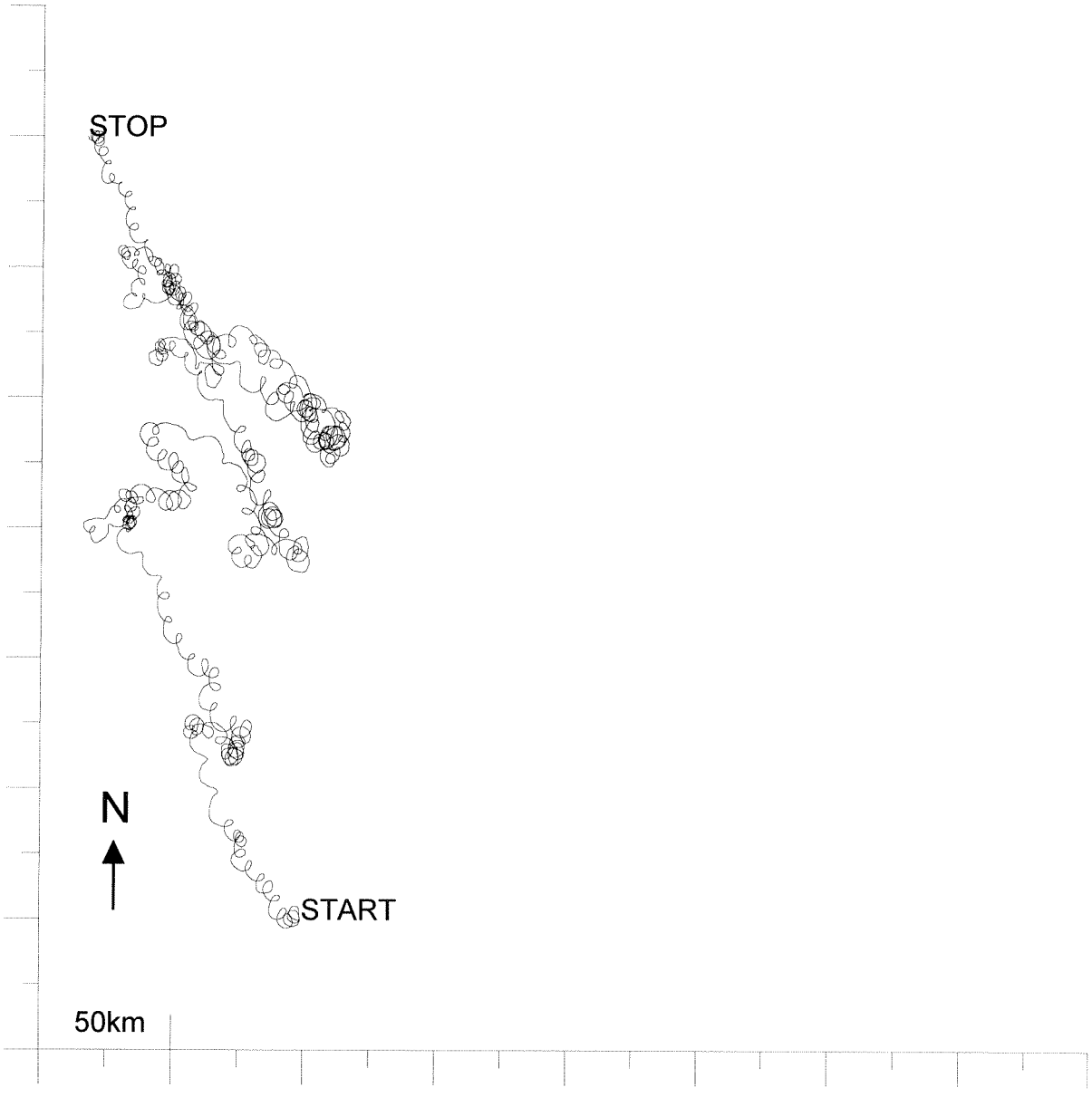
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	0	0	0	0	0	0	0	0	0	0	0	0	2	2
150 - 200	0	1	1	2	1	0	1	0	0	0	1	0	10	12
200 - 300	14	16	18	15	9	12	11	10	10	14	8	9	153	166
300 - 400	27	29	29	22	27	29	28	27	31	31	28	23	336	503
400 - 500	39	23	17	20	17	26	26	22	23	28	34	38	318	822
500 - 600	19	9	6	9	13	13	10	11	5	8	12	25	145	967
600 - 700	5	1	0	1	2	5	1	0	0	1	3	5	29	997
700 - 800	1	0	0	0	0	0	0	0	0	0	0	1	2	999
800 - 900	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	108	82	74	72	71	87	79	73	72	84	89	104		
Rel.flux (ppt)	115	77	67	68	71	89	78	72	68	82	92	115		
Avg.spd (mm/s)	431	381	365	382	404	413	398	398	384	393	416	447		
Max.spd (mm/s)	810	672	609	653	661	683	709	694	620	668	702	732		

2983_001. Vestanfyri
From 1978/01/24 to 1978/05/05.



Progressive vector diagram
2983_001 Vestanfyri 1978



Deployment: 2983_002 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 43.600 N
Longitude: 7 29.200 W
Bottom depth: 148
Instrument depth: 40
Number of records: 3619
Time of first rec: 19780506 0646
Time of last rec : 19780720 1546
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3619	0
Column 5: Speed	3619	0
Column 6: Direct	3619	0

Comments
Time of last record on tape checked and correct.

Residual current: 65 mm/sec towards: 325 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

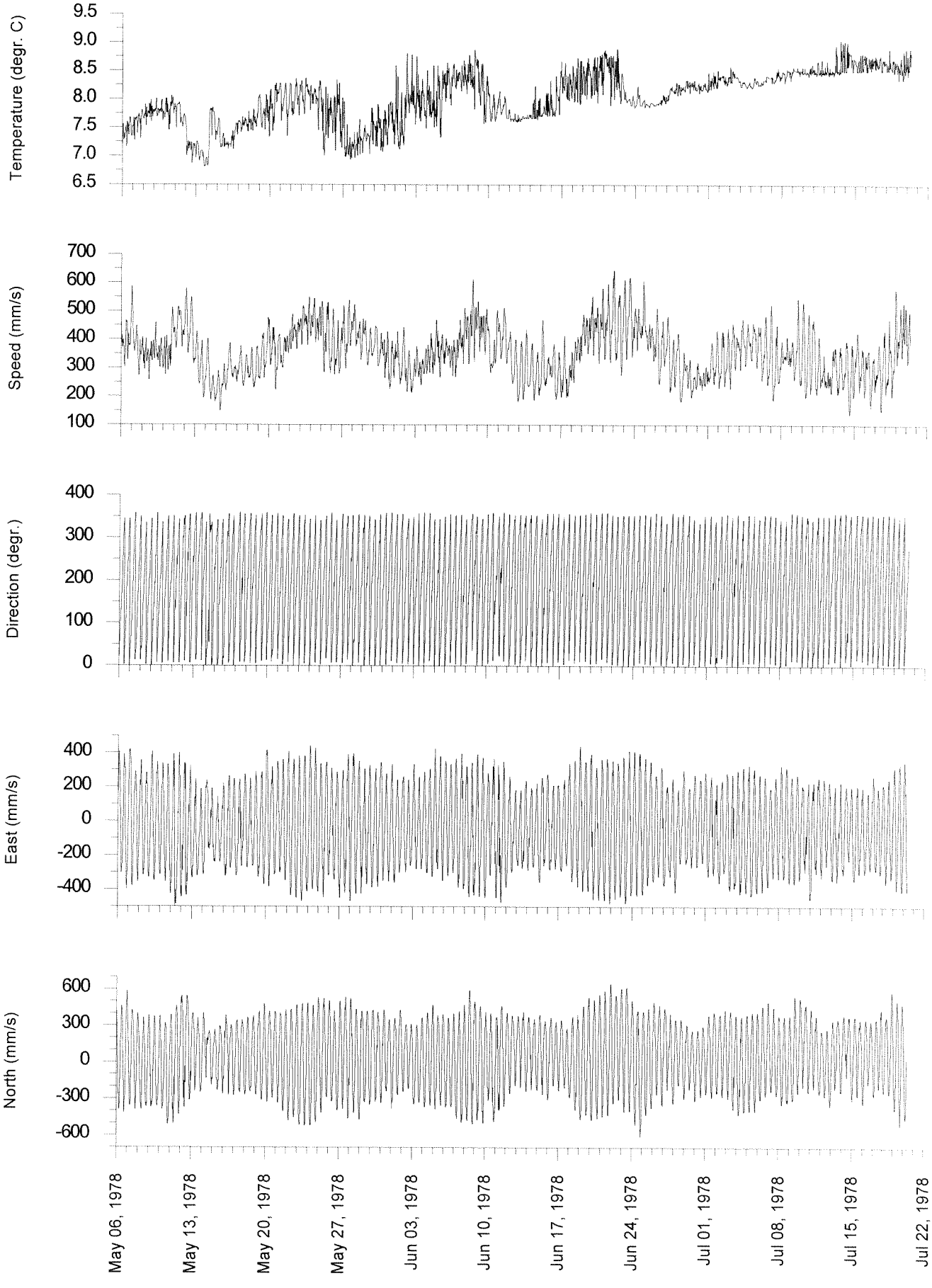
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	8	84	16	308	17	5	112	301	A	
MSF	.00282193	13	325	24	212	24	11	105	205	A	
Q1	.03721850	7	359	13	215	14	4	115	208	A	
O1	.03873065	20	360	27	261	27	20	104	251	A	
NO1	.04026859	6	212	6	191	8	2	42	203	A	
P1	.04155259	3	202	6	82	6	3	109	74	A	I
K1	.04178075	10	223	17	99	18	8	114	88	A	
N2	.07899925	51	255	66	170	66	50	82	176	A	
M2	.08051140	292	280	346	189	347	292	95	184	A	
L2	.08202355	18	318	19	204	22	14	130	176	A	
S2	.08333334	81	323	98	238	98	80	79	247	A	
K2	.08356149	22	323	26	238	27	22	79	247	A	I
MK3	.12229210	3	3	1	316	3	1	21	356	A	
M4	.16102280	10	229	13	174	15	7	60	189	A	
MS4	.16384470	2	245	4	163	4	2	86	165	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

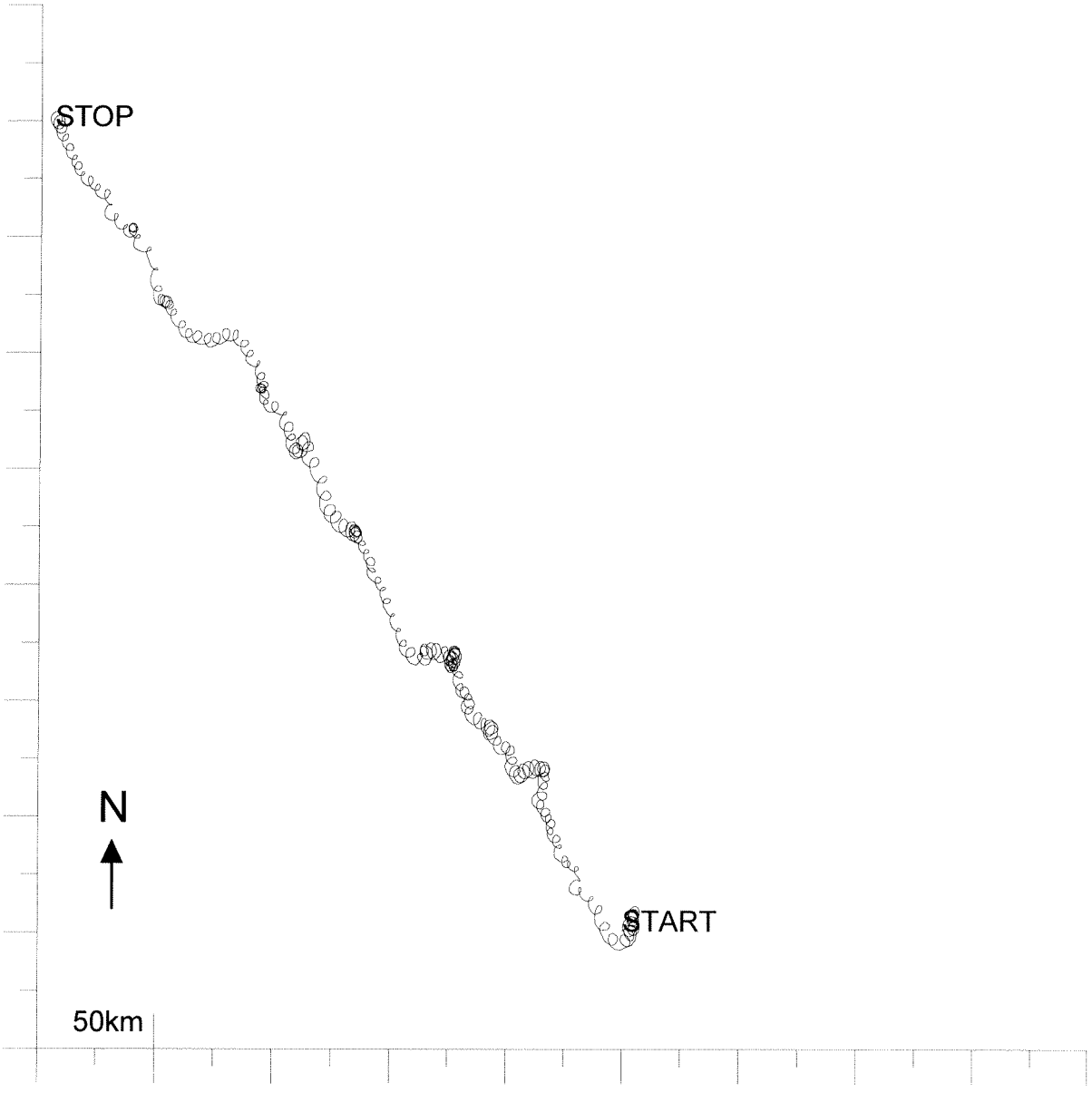
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	0	0	0	0	0	0	0	0	0	0	0	0	1	1
150 - 200	0	1	3	3	3	2	1	0	0	0	0	0	17	19
200 - 300	22	27	28	21	21	22	27	25	24	17	11	6	256	276
300 - 400	46	37	30	22	27	30	31	28	27	43	47	49	421	697
400 - 500	33	15	4	3	10	16	18	21	20	23	40	42	251	948
500 - 600	8	2	0	0	0	3	6	1	0	0	8	15	46	995
600 - 700	1	0	0	0	0	0	0	0	0	0	0	2	4	1000
Total (ppt)	112	84	66	51	63	74	85	77	72	85	108	116		
Rel.flux (ppt)	118	79	56	43	57	71	84	75	70	86	120	135		
Avg.spd (mm/s)	376	337	302	301	325	346	350	345	344	358	394	414		
Max.spd (mm/s)	646	549	463	459	512	612	579	538	515	508	620	631		

2983_002.
From 1978/05/06 to 1978/07/20.



Progressive vector diagram
2983_002



Deployment: 2985_003 analyzed from beginning to end
Instrument no.: 2985
Instrument type: Aanderaa
Latitude: 61 43.600 N
Longitude: 7 29.200 W
Bottom depth: 148
Instrument depth: 40
Number of records: 3580
Time of first rec: 19781115 1445
Time of last rec : 19790129 0415
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3580	0
Column 5: Speed	3579	1
Column 6: Direct	3580	0

Comments
Time of last record on tape could not be checked.

Residual current: 78 mm/sec towards: 338 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 1, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

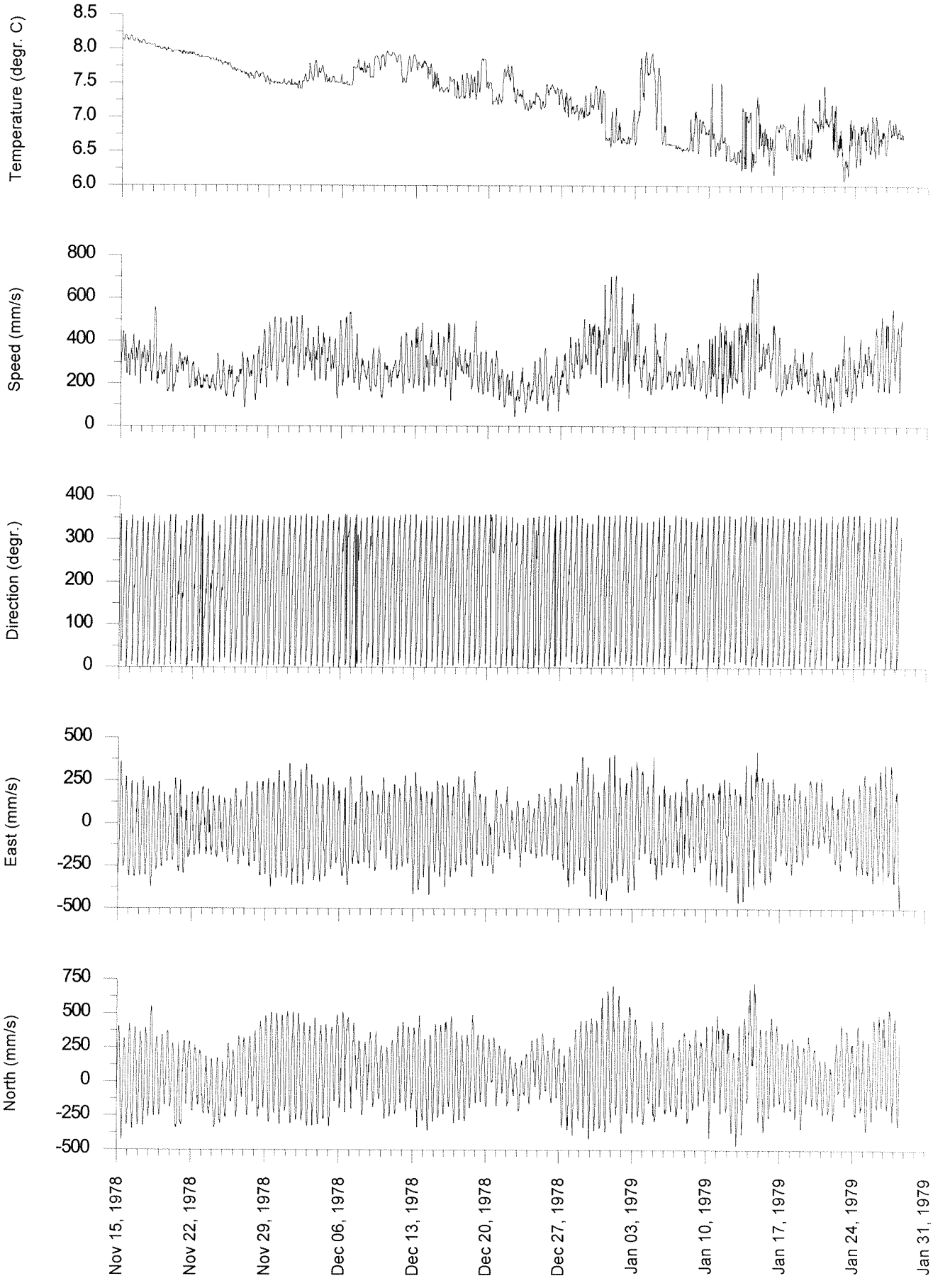
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	6	269	22	44	23	4	101	46	C	
MSF	.00282193	5	212	21	64	22	3	103	62	A	
Q1	.03721850	10	10	16	223	18	5	119	215	A	
O1	.03873065	22	32	33	257	37	14	120	245	A	
NO1	.04026859	3	256	9	137	9	3	101	134	A	
P1	.04155259	4	207	8	96	8	4	104	89	A	I
K1	.04178075	14	229	24	113	25	12	109	103	A	
N2	.07899925	42	237	50	160	53	39	64	181	A	
M2	.08051140	224	264	277	180	280	220	76	191	A	
L2	.08202355	13	302	11	190	14	9	144	148	A	
S2	.08333334	74	288	95	214	100	68	66	231	A	
K2	.08356149	20	288	26	214	27	18	66	231	A	I
MK3	.12229210	2	310	3	33	3	2	79	26	C	
M4	.16102280	2	166	9	134	9	1	79	136	A	
MS4	.16384470	2	347	3	200	3	1	119	192	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

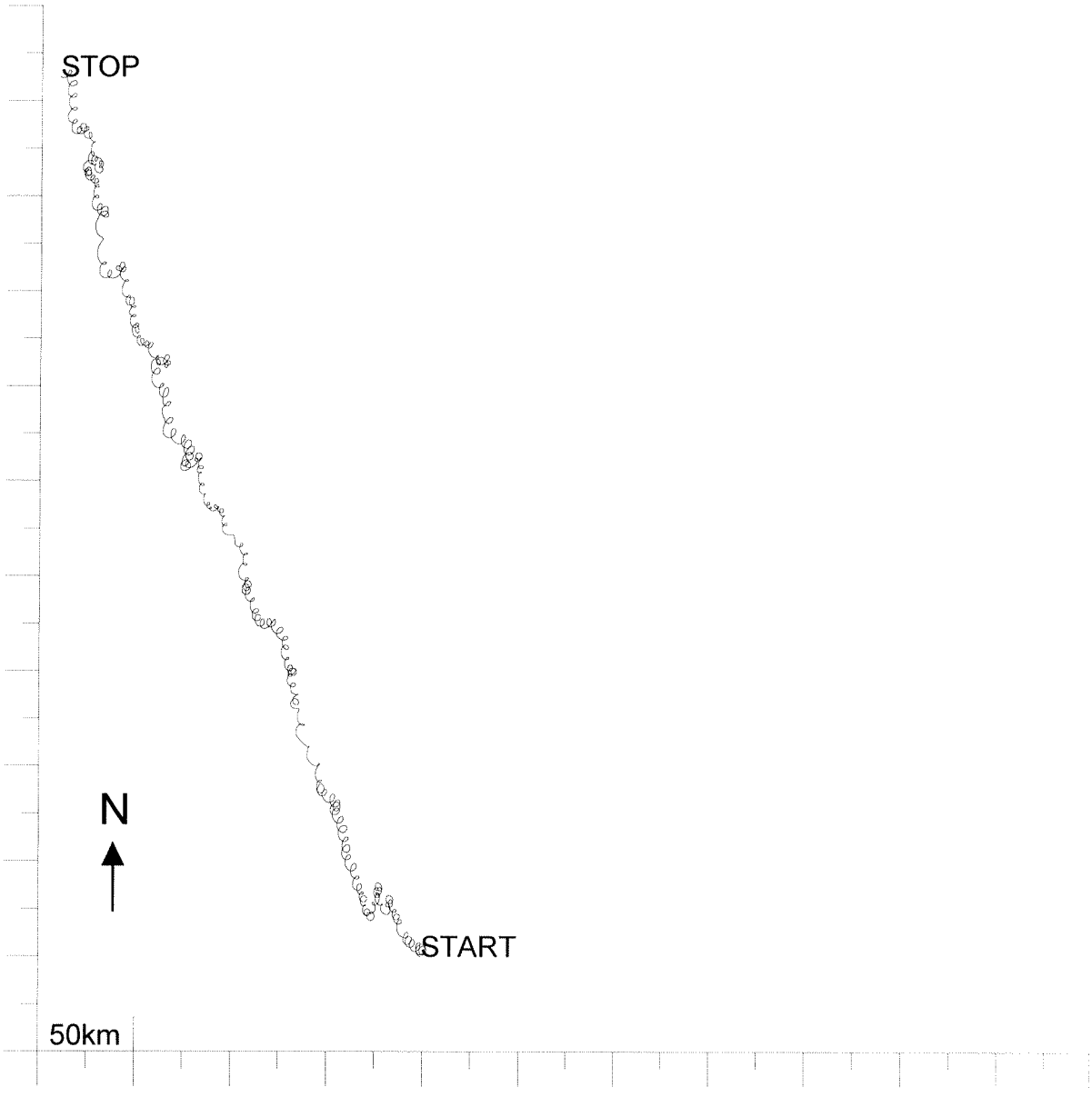
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	1	0	1	1	1	1	0	0	0	0	8	8
100 - 150	2	4	4	4	5	3	3	6	4	3	2	2	47	56
150 - 200	6	10	14	15	14	13	13	11	15	12	8	3	141	198
200 - 300	35	42	29	25	26	36	34	30	34	46	37	26	405	603
300 - 400	42	23	7	2	3	12	24	23	20	20	36	44	262	865
400 - 500	40	11	0	0	0	0	2	4	4	4	15	25	110	976
500 - 600	5	1	0	0	0	0	0	0	0	0	2	5	15	991
600 - 700	3	0	0	0	0	0	0	0	0	0	0	2	6	998
700 - 800	1	0	0	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	138	94	57	48	52	68	80	78	79	87	102	112		
Rel.flux (ppt)	172	94	46	35	39	57	72	73	73	81	113	139		
Avg.spd (mm/s)	358	287	231	211	213	242	260	267	263	266	317	356		
Max.spd (mm/s)	724	665	437	340	403	429	467	489	504	485	665	706		

2985_003
From 1978/11/15 to 1979/01/29.



Progressive vector diagram
2985_003



Deployment: 2986_004 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 61 42.200 N
Longitude: 7 26.200 W
Bottom depth: 148
Instrument depth: 40
Number of records: 4005
Time of first rec: 19790929 1000
Time of last rec : 19800314 0600
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4005	0
Column 5: Speed	4005	0
Column 6: Direct	4005	0

Comments

Time of last record on tape could not be checked. This mooring was dredged up 14 march 1980 and redeployed at a different position. This is the first part.

Residual current: 65 mm/sec towards: 338 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis performed on unfiltered data

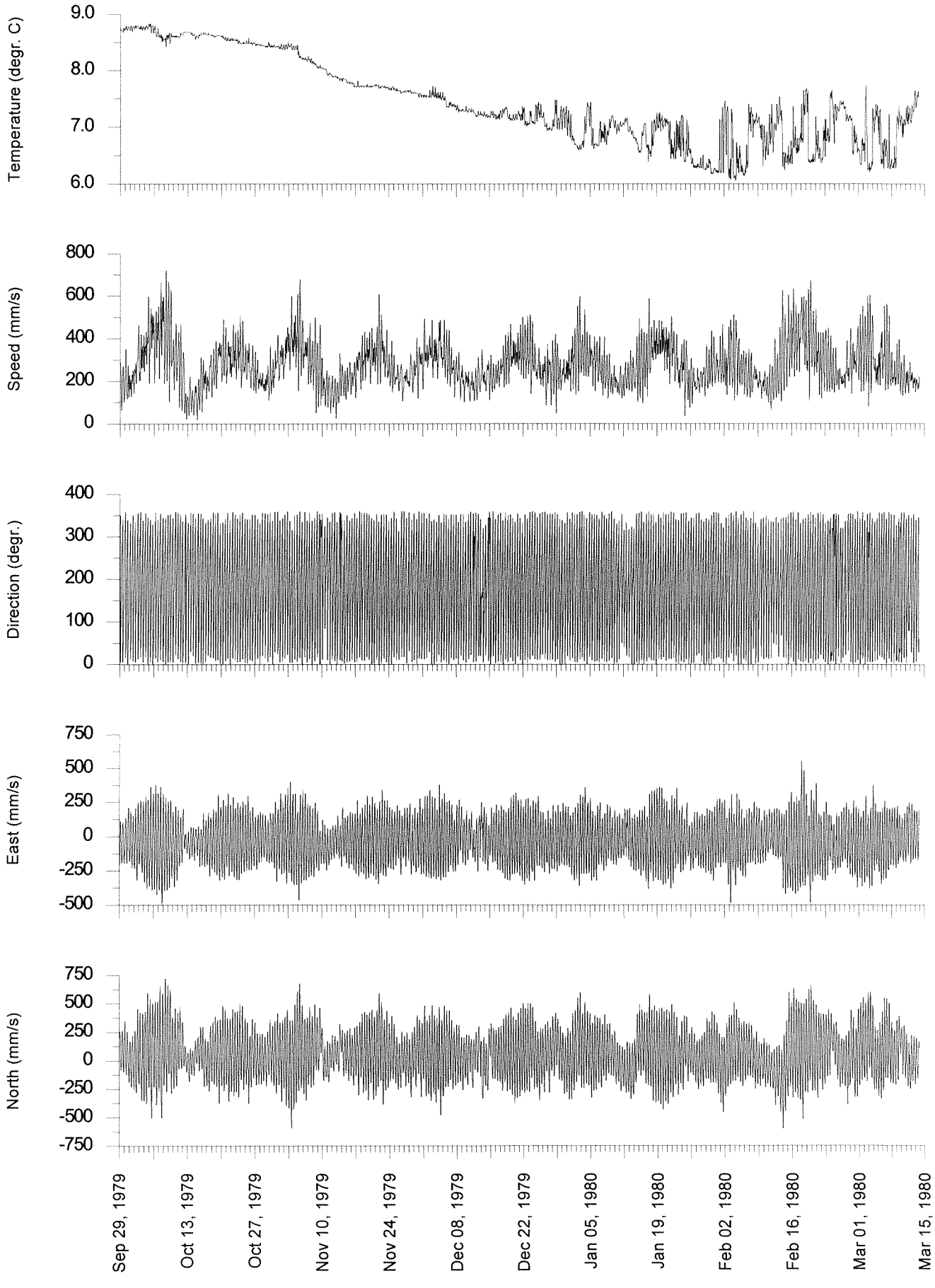
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	9	289	18	90	20	3	115	94	C	
MSF	.00282193	5	219	36	81	37	3	96	80	A	
Q1	.03721850	8	2	14	228	15	5	113	220	A	
O1	.03873065	17	4	32	257	32	16	103	250	A	
NO1	.04026859	2	330	1	119	2	1	153	143	C	
P1	.04155259	4	192	7	88	7	4	100	83	A	I
K1	.04178075	12	214	21	105	22	11	104	98	A	
N2	.07899925	40	241	54	160	55	39	77	169	A	
M2	.08051140	220	267	272	181	274	218	81	189	A	
L2	.08202355	12	7	10	263	13	9	158	203	A	
S2	.08333334	77	295	97	215	99	73	71	230	A	
K2	.08356149	21	295	26	215	27	20	71	230	A	I
MK3	.12229210	2	100	3	33	3	2	64	49	A	
M4	.16102280	2	169	4	95	4	2	80	100	A	
MS4	.16384470	2	227	3	124	3	2	106	113	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

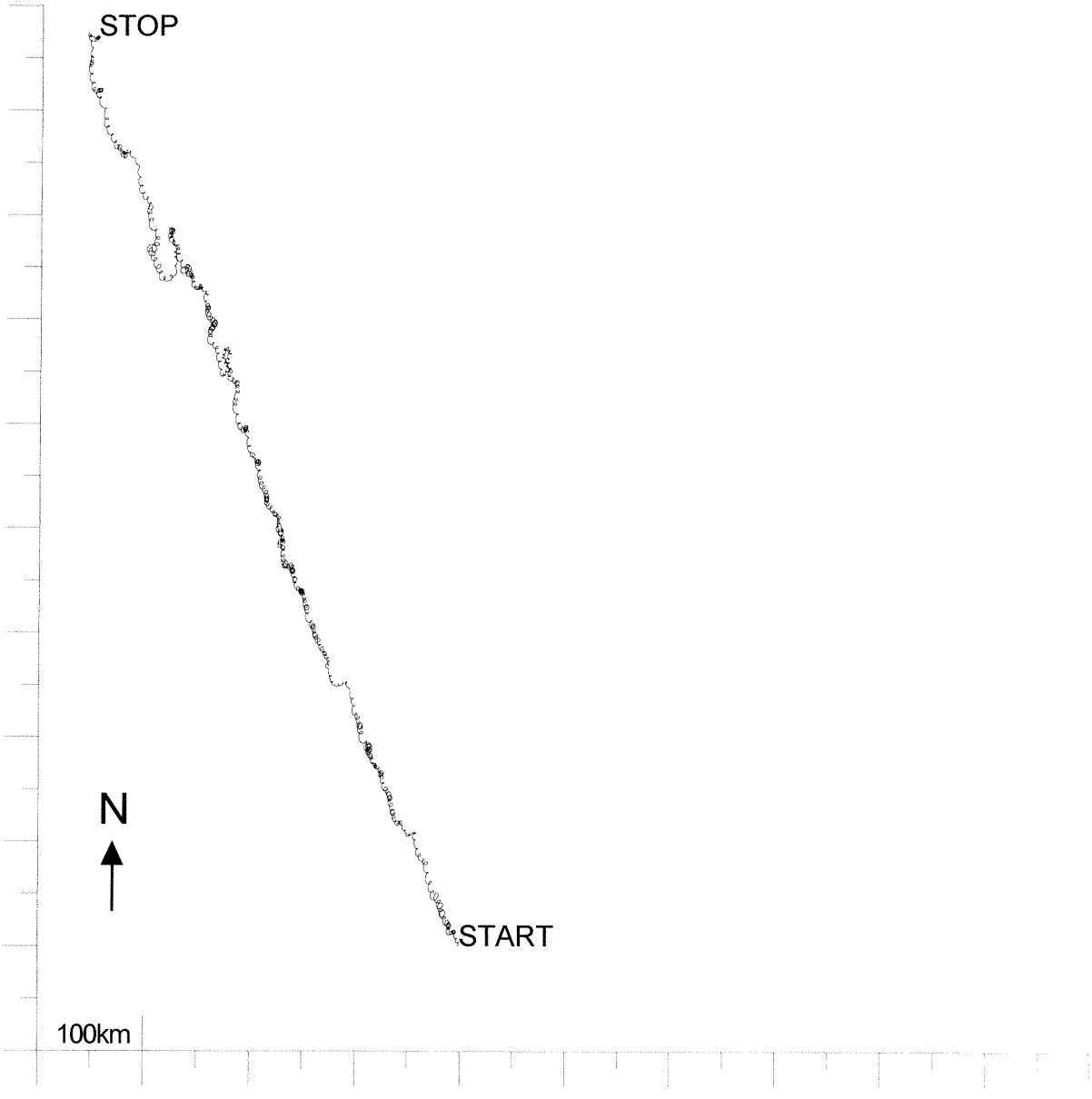
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals												All dir.	
	15	45	75	105	135	165	195	225	255	285	315	345	Tot	Acc
0 - 50	0	0	0	0	0	1	0	0	0	0	0	0	4	4
50 - 100	1	1	1	2	2	2	2	0	0	0	1	0	17	22
100 - 150	3	5	5	6	4	6	5	7	4	4	4	3	62	84
150 - 200	12	13	16	18	18	10	14	16	17	12	11	5	169	254
200 - 300	31	32	24	25	26	34	33	37	33	36	33	27	377	631
300 - 400	34	24	7	4	7	13	16	19	17	20	34	31	233	865
400 - 500	28	10	0	0	0	2	3	3	1	3	13	31	100	965
500 - 600	11	2	0	0	0	0	1	0	0	0	1	7	27	993
600 - 700	2	0	0	0	0	0	0	0	0	0	0	2	6	999
700 - 800	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	126	90	58	58	61	72	77	86	74	80	100	110		
Rel.flux (ppt)	158	92	47	44	49	64	71	79	66	76	109	140		
Avg.spd (mm/s)	346	282	223	211	221	243	254	252	247	262	301	351		
Max.spd (mm/s)	722	596	553	566	594	603	627	564	521	547	612	678		

2986_004
From 1979/09/29 to 1980/03/14.



Progressive vector diagram
2986_004



Deployment: 2986_A04 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 61 44.100 N
Longitude: 7 31.500 W
Bottom depth: 148
Instrument depth: 40
Number of records: 707
Time of first rec: 19800315 0100
Time of last rec : 19800413 1100
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	707	0
Column 5: Speed	707	0
Column 6: Direct	707	0

Comments

Time of last record on tape could not be checked. The mooring was dredged up during deployment 2986_004 and redeployed. This is the second part

Residual current: 62 mm/sec towards: 336 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis performed on unfiltered data

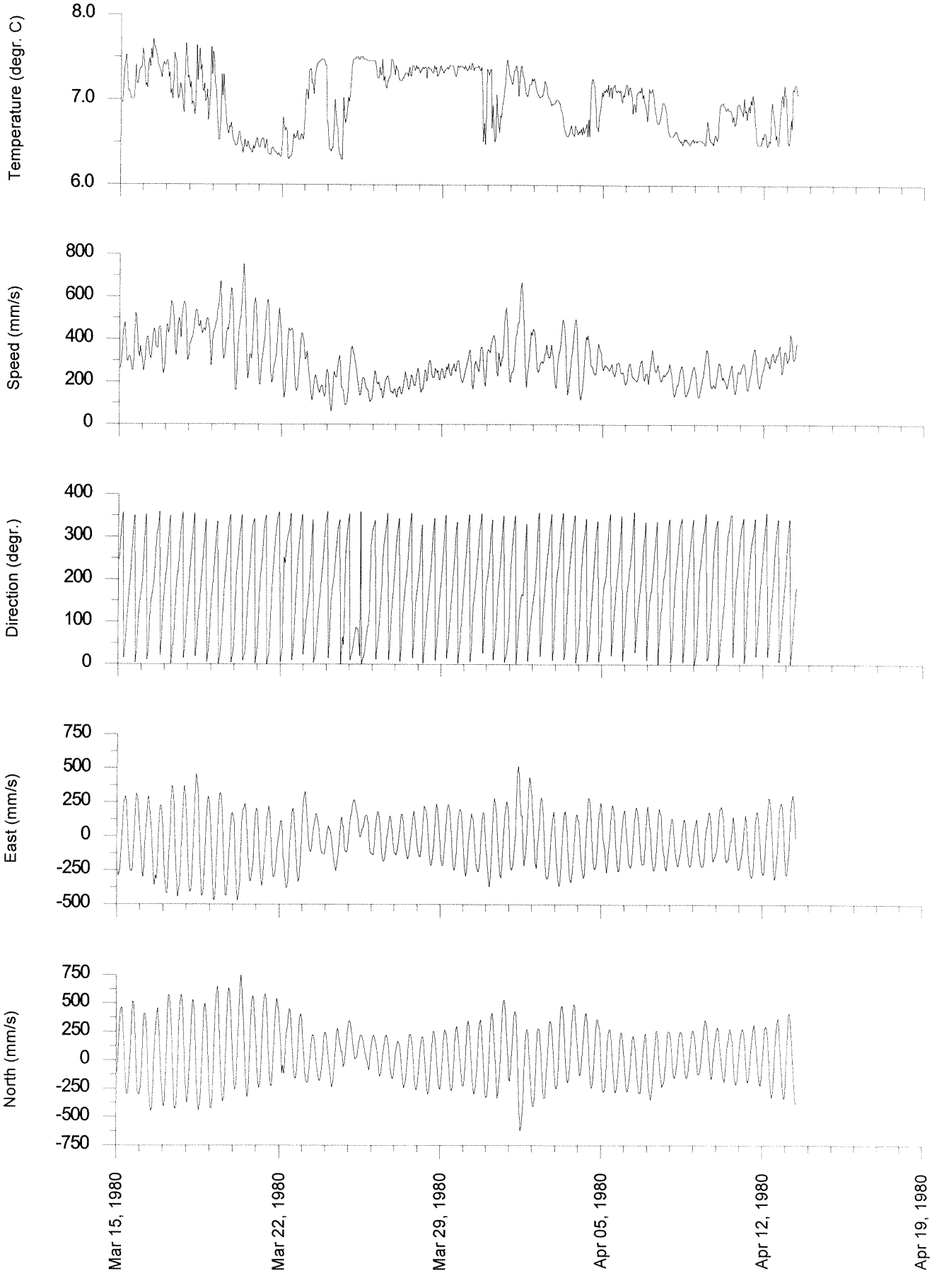
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MSF	.00282193	19	289	33	113	38	1	120	112	A	
Q1	.03721850	12	21	6	344	13	3	24	14	A	
O1	.03873065	15	41	13	261	19	7	139	238	A	
NO1	.04026859	4	79	7	235	8	1	116	240	C	
P1	.04155259	7	207	8	71	10	4	130	52	A	I
K1	.04178075	23	225	23	89	30	12	135	67	A	
N2	.07899925	56	250	76	157	76	56	95	154	A	
M2	.08051140	217	272	286	182	286	217	90	181	A	
S2	.08333334	86	305	106	221	107	84	77	231	A	
K2	.08356149	23	305	29	221	29	23	77	231	A	I
MK3	.12229210	2	27	4	28	4	0	69	28	C	
M4	.16102280	3	197	4	71	4	2	128	50	A	
MS4	.16384470	2	188	4	149	4	1	71	153	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

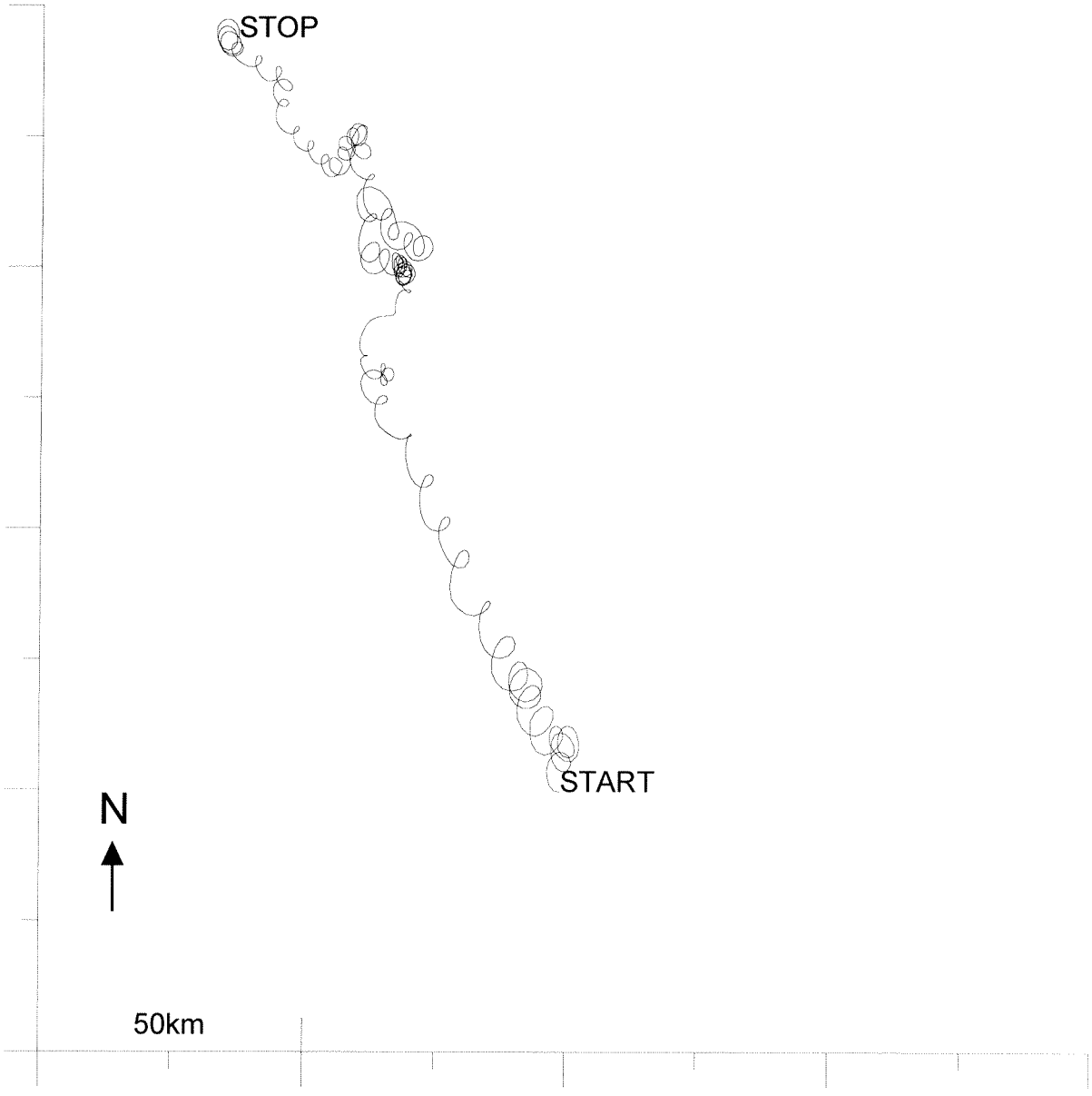
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	1	0	1	1	1	0	0	1	0	0	0	7	7
100 - 150	1	4	4	5	5	5	1	4	4	4	1	0	42	49
150 - 200	12	16	21	15	11	14	14	11	7	8	9	4	147	196
200 - 300	43	26	29	19	29	26	33	38	36	32	36	46	401	598
300 - 400	21	21	8	8	12	19	21	14	11	19	26	19	205	803
400 - 500	24	4	4	4	2	11	7	7	11	11	19	29	137	940
500 - 600	15	4	0	1	0	0	0	0	0	0	7	16	45	985
600 - 700	5	0	0	0	1	2	0	0	0	0	0	2	12	998
700 - 800	1	0	0	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	125	79	67	56	65	82	77	74	72	76	101	120		
Rel.flux (ppt)	150	73	54	45	55	79	72	69	65	73	110	149		
Avg.spd (mm/s)	355	275	239	240	253	288	277	275	271	287	322	370		
Max.spd (mm/s)	756	551	480	562	644	670	465	500	478	485	597	672		

2986_A04
From 1980/03/15 to 1980/04/13.



Progressive vector diagram
2986_A04



Deployment: 2985_011 analyzed from beginning to end
Instrument no.: 2985
Instrument type: Aanderaa
Latitude: 61 47.300 N
Longitude: 7 36.200 W
Bottom depth: 149
Instrument depth: 40
Number of records: 4264
Time of first rec: 19800905 2030
Time of last rec : 19810302 1130
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4264	0
Column 5: Speed	4264	0
Column 6: Direct	4264	0

Comments
Time of last record on tape checked and correct.

Residual current: 48 mm/sec towards: 339 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis performed on unfiltered data

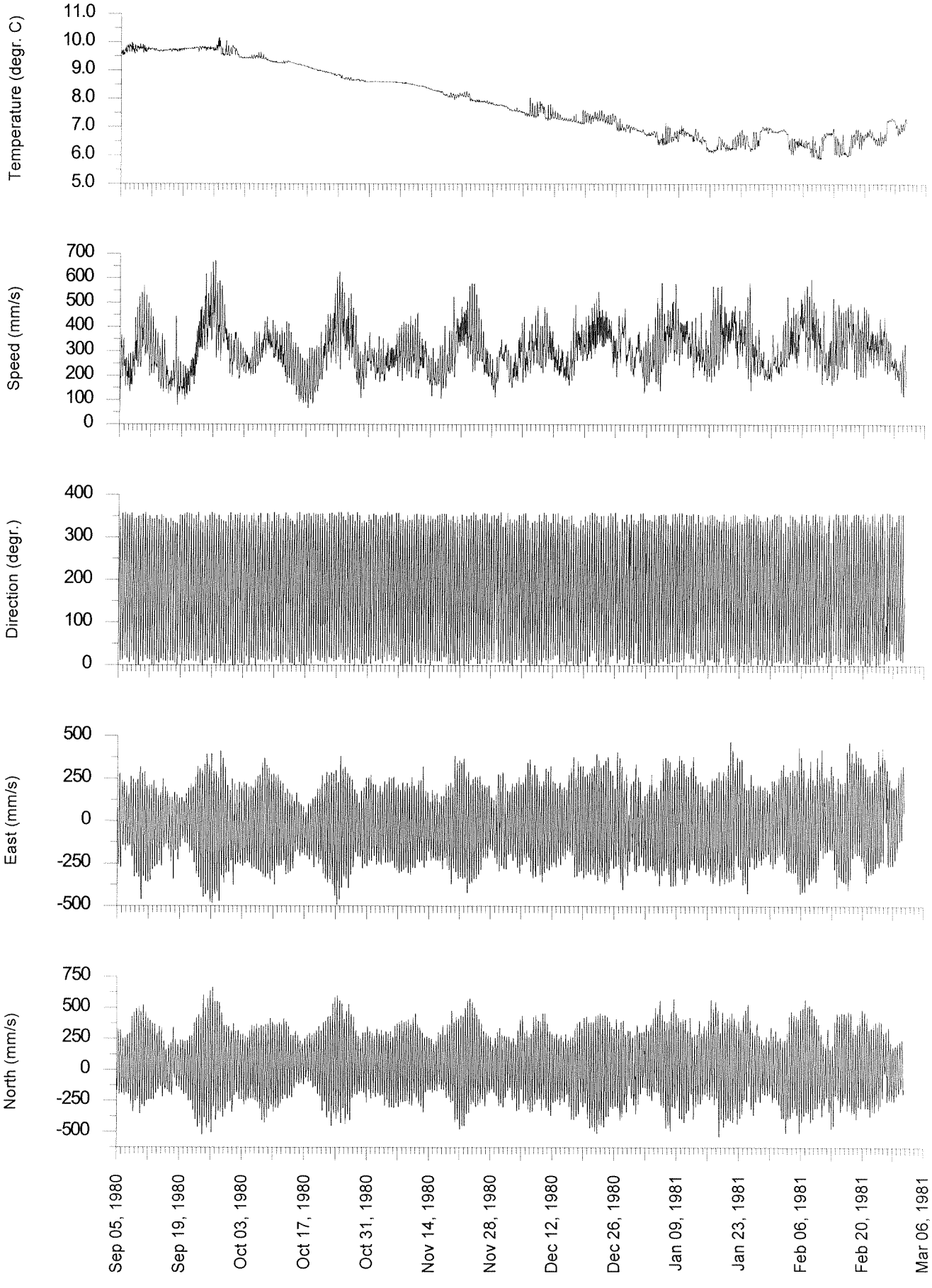
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	6	144	1	170	6	0	5	145	C	
MSF	.00282193	4	300	9	92	10	2	110	95	C	
Q1	.03721850	7	337	5	181	8	2	146	165	A	
O1	.03873065	14	22	10	218	17	2	144	207	A	
NO1	.04026859	2	340	0	291	2	0	8	339	A	
P1	.04155259	4	181	8	37	9	2	112	31	A	I
K1	.04178075	13	201	23	52	26	6	117	46	A	
N2	.07899925	47	248	62	149	63	46	104	139	A	
M2	.08051140	247	280	305	182	311	240	107	169	A	
L2	.08202355	18	305	17	213	18	17	162	142	A	
S2	.08333334	69	312	94	216	95	69	99	210	A	
K2	.08356149	19	312	26	216	26	19	99	210	A	I
MK3	.12229210	2	85	3	45	4	1	61	55	A	
M4	.16102280	3	261	5	219	6	2	60	230	A	
MS4	.16384470	1	278	4	254	4	0	76	255	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

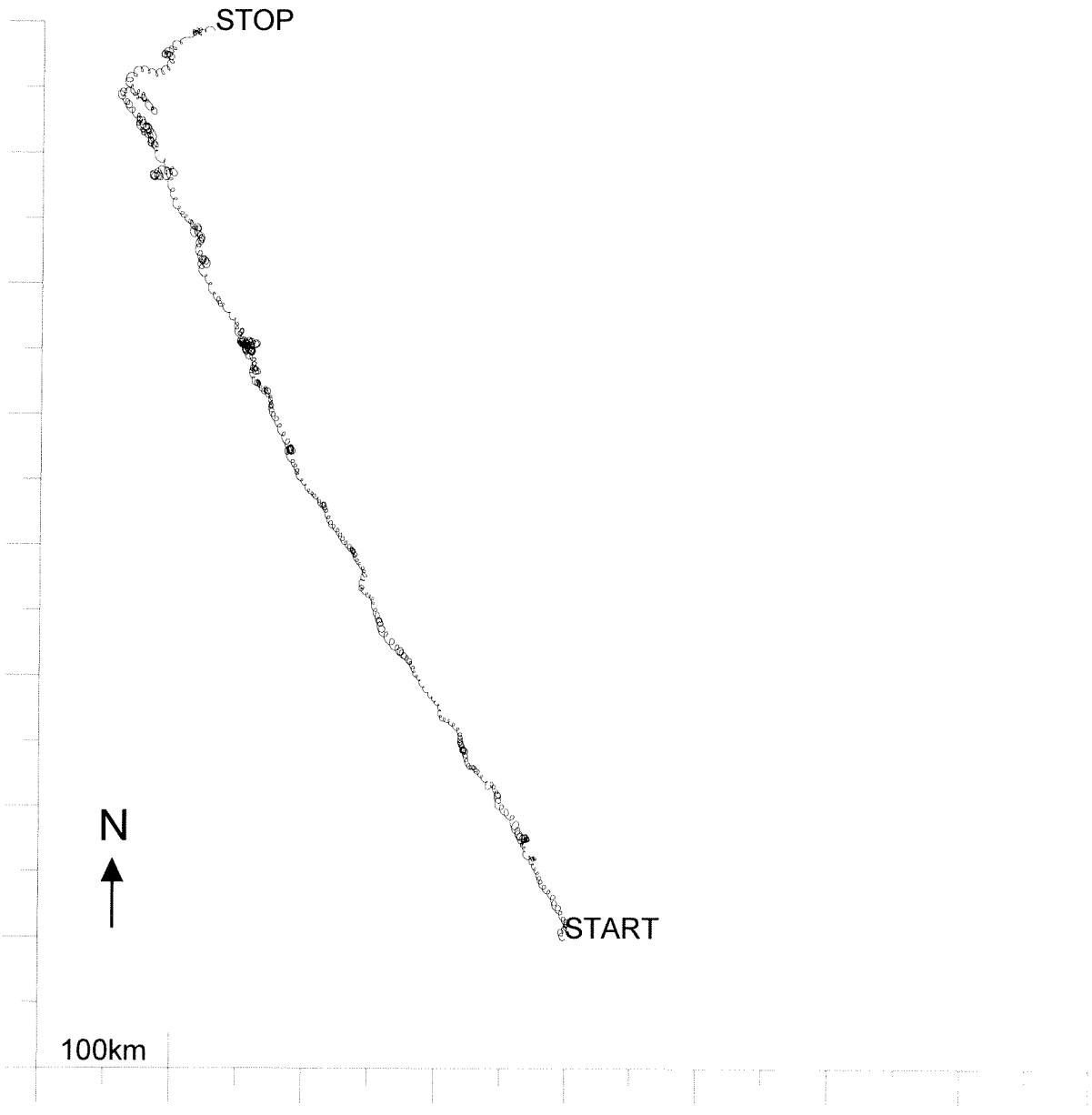
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	3	3
100 - 150	0	1	3	3	3	1	3	2	1	1	0	0	24	27
150 - 200	5	7	10	8	8	10	10	9	8	5	2	2	90	117
200 - 300	39	32	29	32	33	30	33	32	32	33	31	28	390	507
300 - 400	42	25	19	19	23	24	23	21	16	30	47	41	336	844
400 - 500	18	4	2	4	10	11	9	3	3	4	24	30	127	971
500 - 600	3	0	0	0	0	2	0	0	0	0	7	11	25	997
600 - 700	0	0	0	0	0	0	0	0	0	0	1	1	2	1000
Total (ppt)	109	71	64	69	80	81	81	70	63	75	115	115		
Rel.flux (ppt)	116	66	56	61	75	81	76	62	55	73	133	141		
Avg.spd (mm/s)	326	281	265	274	288	304	286	272	268	297	353	372		
Max.spd (mm/s)	612	536	478	470	515	545	569	489	484	515	624	672		

2985_011
From 1980/09/05 to 1981/03/02.



Progressive vector diagram
2985_011



Deployment: 2985_012 analyzed from beginning to end
Instrument no.: 2985
Instrument type: Aanderaa
Latitude: 61 40.000 N
Longitude: 7 26.000 W
Bottom depth: 145
Instrument depth: 40
Number of records: 9924
Time of first rec: 19810303 0945
Time of last rec : 19810926 0315
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	9924	0
Column 5: Speed	9919	5
Column 6: Direct	9924	0

Comments
Time of last record on tape could not be checked.

Residual current: 87 mm/sec towards: 346 degrees

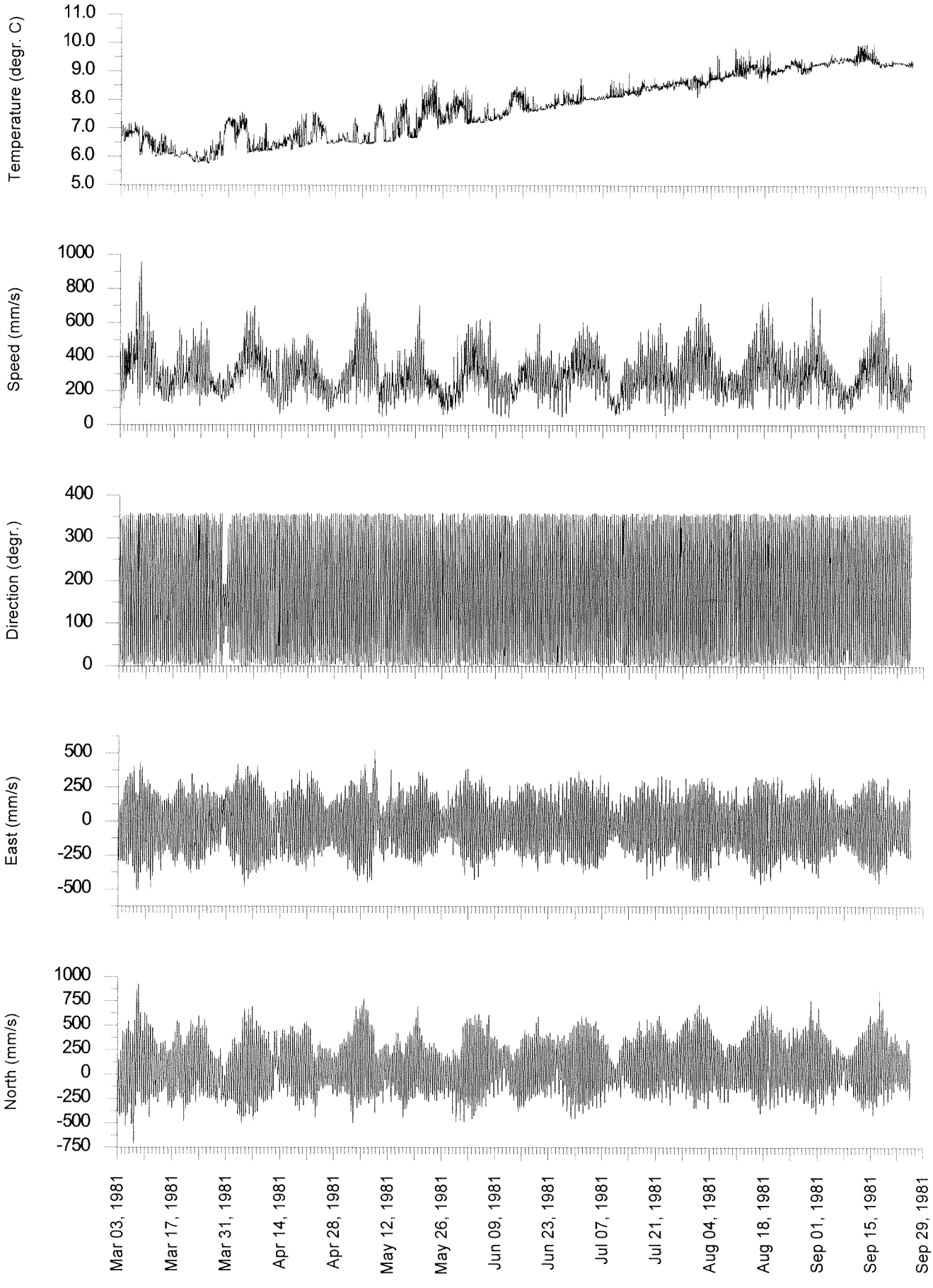
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 5
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
MM	.00151215	7	254	27	69	28	1	105	70	C
MSF	.00282193	2	302	41	66	41	2	92	66	C
Q1	.03721850	5	339	14	225	14	5	100	221	A
O1	.03873065	21	25	33	266	36	18	113	254	A
NO1	.04026859	2	330	1	82	2	1	158	137	C
P1	.04155259	5	233	10	96	10	3	110	91	A
K1	.04178075	12	245	26	119	27	9	108	113	A
N2	.07899925	42	238	59	159	60	40	76	169	A
M2	.08051140	224	270	291	187	294	220	78	196	A
L2	.08202355	14	323	9	248	15	9	16	313	A
S2	.08333334	76	301	103	222	106	73	74	234	A
K2	.08356149	18	298	26	219	26	18	76	228	A
MK3	.12229210	2	146	2	81	3	2	46	113	A
M4	.16102280	5	327	3	189	6	2	156	155	A
MS4	.16384470	3	357	2	193	4	1	146	182	A

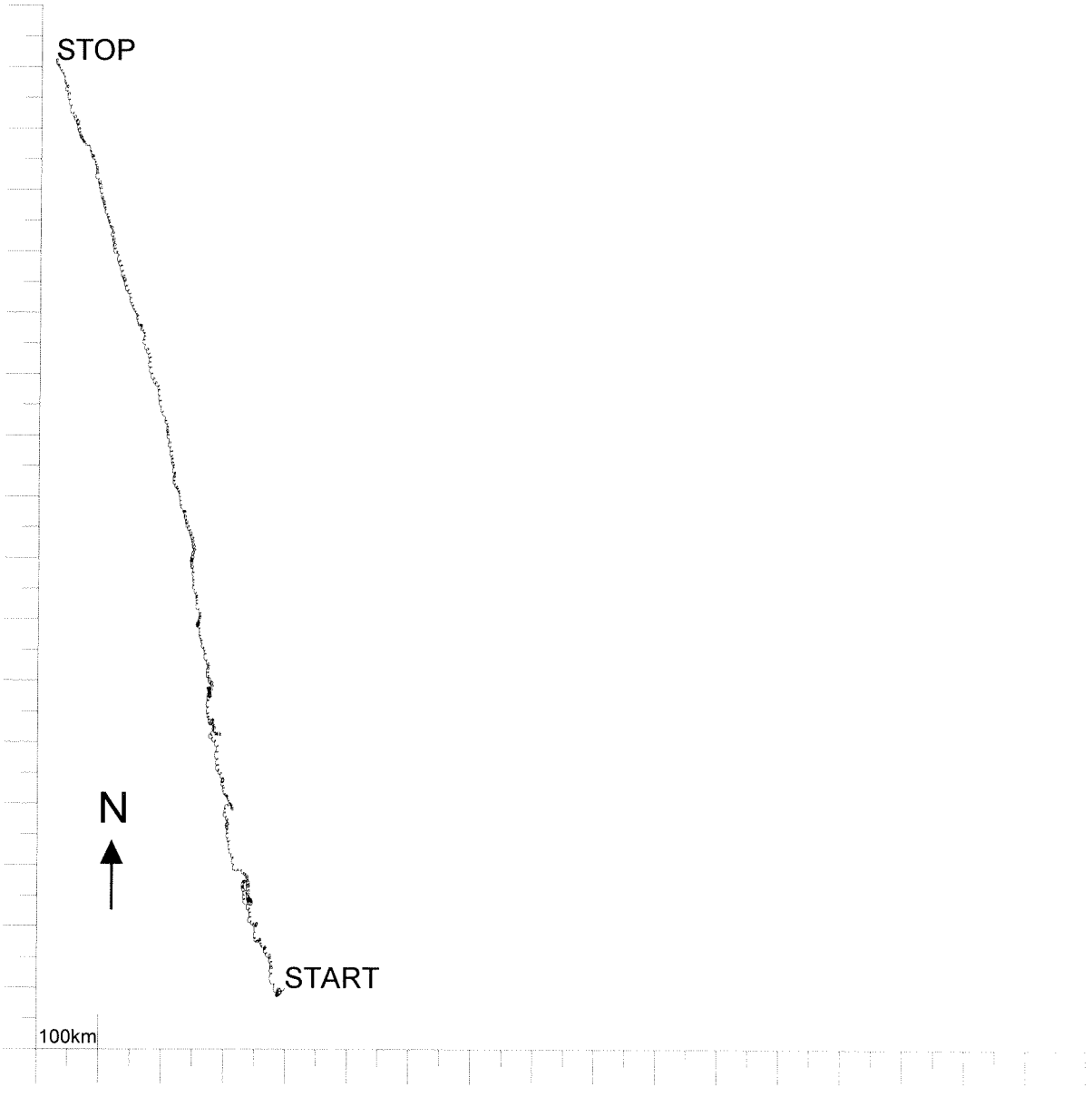
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	1	1	2	2	1	1	0	0	0	0	0	16	16
100 - 150	3	6	7	8	7	7	6	6	5	3	2	2	67	84
150 - 200	9	11	11	11	12	12	13	11	9	8	6	5	124	208
200 - 300	28	31	25	24	25	27	31	37	34	35	32	21	357	566
300 - 400	38	27	11	4	7	10	17	17	19	23	30	36	244	811
400 - 500	34	14	0	0	1	3	6	5	3	5	16	29	122	934
500 - 600	22	3	0	0	0	0	0	0	0	0	3	16	47	982
600 - 700	7	0	0	0	0	0	0	0	0	0	0	4	13	995
700 - 800	1	0	0	0	0	0	0	0	0	0	0	0	3	998
800 - 900	0	0	0	0	0	0	0	0	0	0	0	0	0	999
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	147	97	57	52	57	64	78	79	72	78	93	118		
Rel.flux (ppt)	192	97	45	37	43	53	69	69	63	73	100	153		
Avg.spd (mm/s)	389	299	234	212	224	247	264	262	261	279	320	385		
Max.spd (mm/s)	930	728	545	467	489	702	724	638	489	590	762	960		

2985_012
From 1981/03/03 to 1981/09/26.



Progressive vector diagram
2985_012



Deployment: 2448_006 analyzed from beginning to end
Instrument no.: 2448
Instrument type: Aanderaa
Latitude: 61 23.300 N
Longitude: 7 8.000 W
Bottom depth: 150
Instrument depth: 40
Number of records: 4148
Time of first rec: 19810106 1115
Time of last rec : 19810402 2045
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3971	177
Column 5: Speed	3971	177
Column 6: Direct	3971	177
Column 7: Press	3971	177

Comments

Time of last record on tape checked and correct. In the beginning of February 1981 there is a period of almost four days where all the parameters were corrupt and had to be error flagged

Residual current: 176 mm/sec towards: 323 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 177
Tidal analysis on data passed through 3 filters: A2, A2, and A3

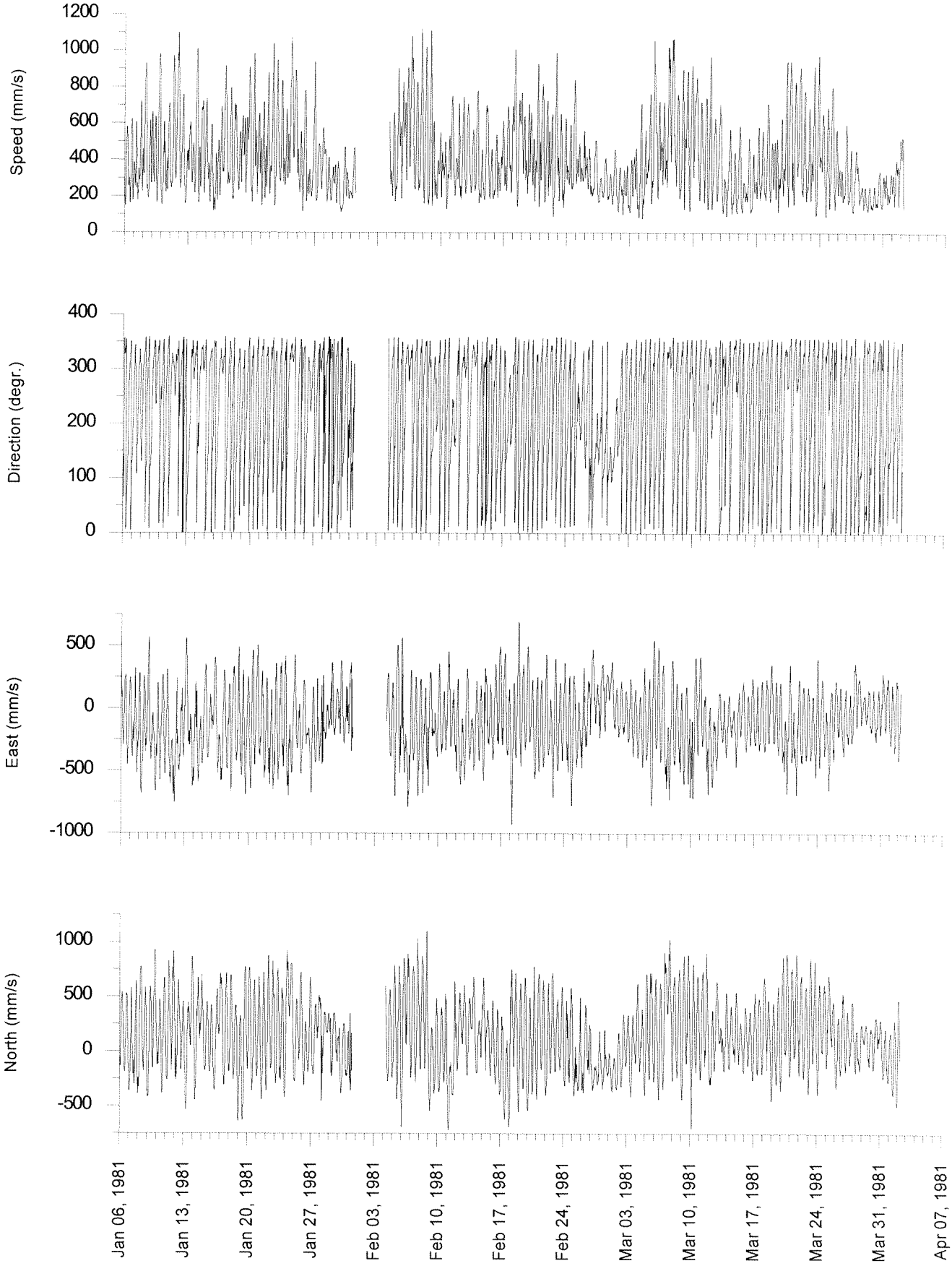
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	58	226	58	48	82	2	135	47	A	
MSF	.00282193	69	284	92	84	114	19	126	91	C	
Q1	.03721850	27	340	25	227	30	20	141	188	A	
O1	.03873065	62	36	90	254	104	33	122	243	A	
NO1	.04026859	6	359	8	195	10	1	129	188	A	
P1	.04155259	17	236	19	95	24	8	130	79	A	I
K1	.04178075	54	254	54	112	72	25	135	93	A	
N2	.07899925	36	259	59	137	63	29	113	126	A	
M2	.08051140	264	290	339	166	383	194	123	148	A	
L2	.08202355	17	267	13	131	20	7	145	102	A	
S2	.08333334	86	327	133	207	143	70	114	194	A	
K2	.08356149	23	327	36	207	39	19	114	194	A	I
MK3	.12229210	4	148	4	276	5	2	141	306	C	
M4	.16102280	14	246	7	248	16	0	25	246	C	
MS4	.16384470	8	318	7	351	10	3	38	330	C	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

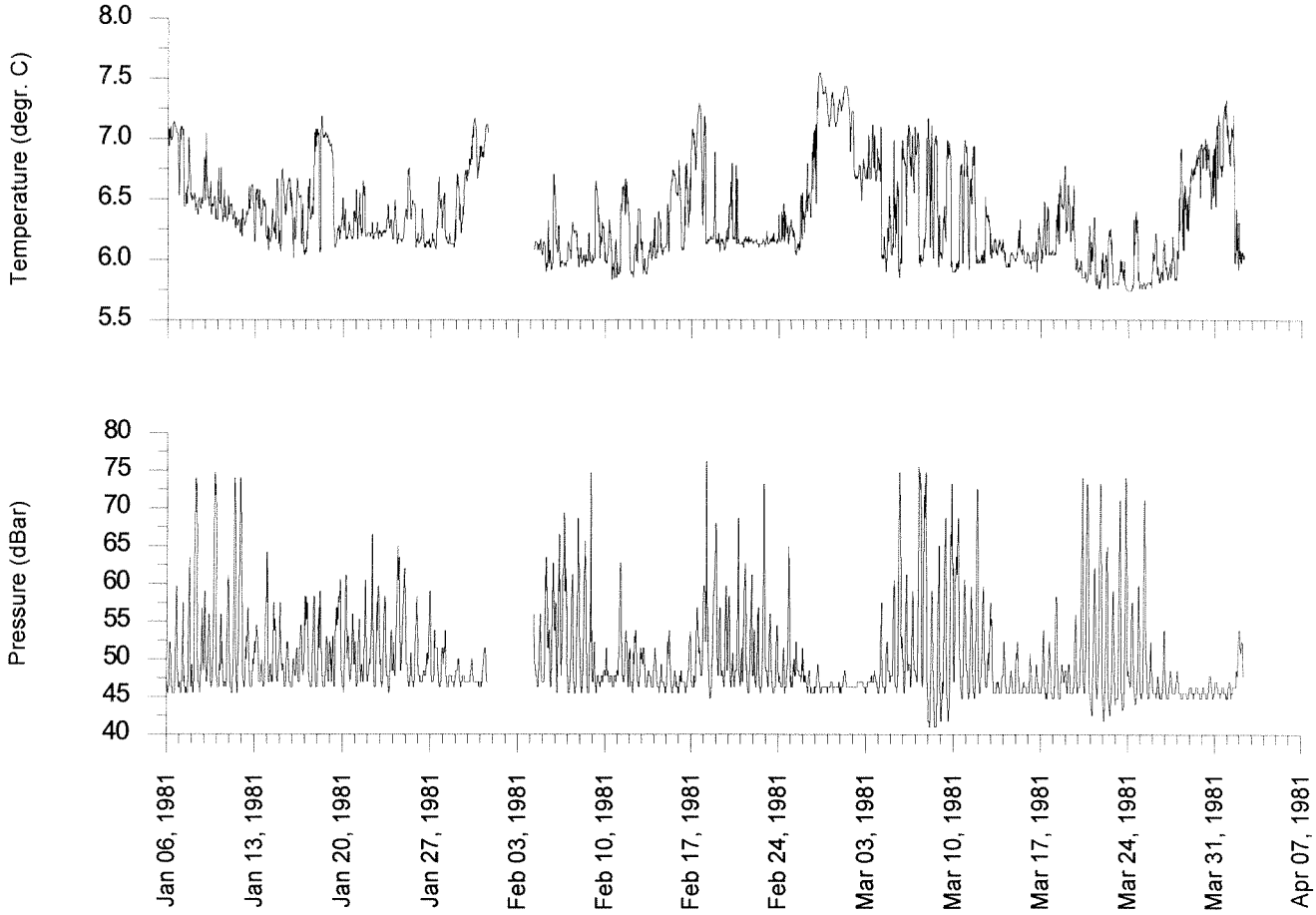
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	2	2
100 - 150	3	6	4	3	4	2	3	3	2	2	2	3	42	45
150 - 200	9	7	7	6	7	8	8	8	7	5	6	6	90	135
200 - 300	21	13	14	21	22	20	18	23	23	24	23	20	248	383
300 - 400	12	8	7	15	20	25	11	10	16	24	25	20	200	584
400 - 500	11	4	2	7	12	8	3	2	5	19	26	22	127	711
500 - 600	7	2	0	4	5	3	1	2	3	9	33	23	96	807
600 - 700	5	0	0	0	4	3	1	0	0	6	29	27	80	888
700 - 800	0	0	0	0	0	1	0	0	0	4	20	22	51	939
800 - 900	0	0	0	0	0	0	0	0	0	0	16	15	32	972
900 - 1000	0	0	0	0	0	0	0	0	0	0	13	6	20	992
1000 - 1100	0	0	0	0	0	0	0	0	0	0	4	1	6	999
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	72	42	38	62	78	73	49	52	59	97	202	170		
Rel.flux (ppt)	61	28	23	47	65	60	36	34	44	93	276	228		
Avg.spd (mm/s)	346	275	252	312	339	335	297	271	300	389	559	546		
Max.spd (mm/s)	743	624	668	769	769	750	728	687	717	1001	1098	1128		

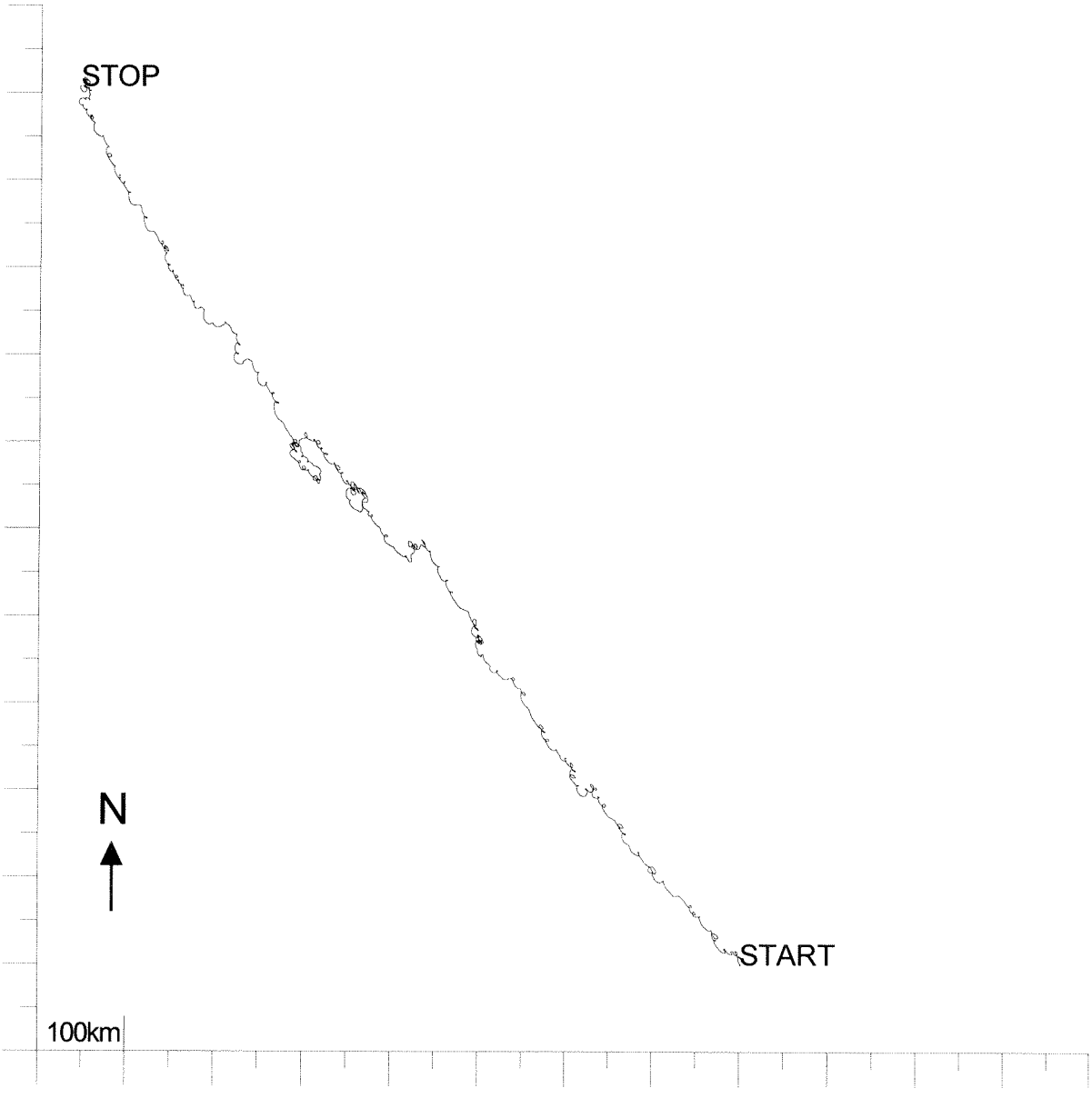
2448_006
From 1981/01/06 to 1981/04/02.



2448_006
From 1981/01/06 to 1981/04/02.



Progressive vector diagram
2448_006 Vestur ur Akrabirgi



Deployment: 2985_001 analyzed from beginning to end
Instrument no.: 2985
Instrument type: Aanderaa
Latitude: 62 30.100 N
Longitude: 6 50.000 W
Bottom depth: 112
Instrument depth: 40
Number of records: 2541
Time of first rec: 19780210 1544
Time of last rec : 19780404 1344
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	2541	0
Column 5: Speed	380	2161
Column 6: Direct	380	2161

Comments

Time of last record on tape checked and correct. Rotor was off and the current meter was entangled in mooring at recovery. Only the first week of the series has not been errorflagged for speed and direction.

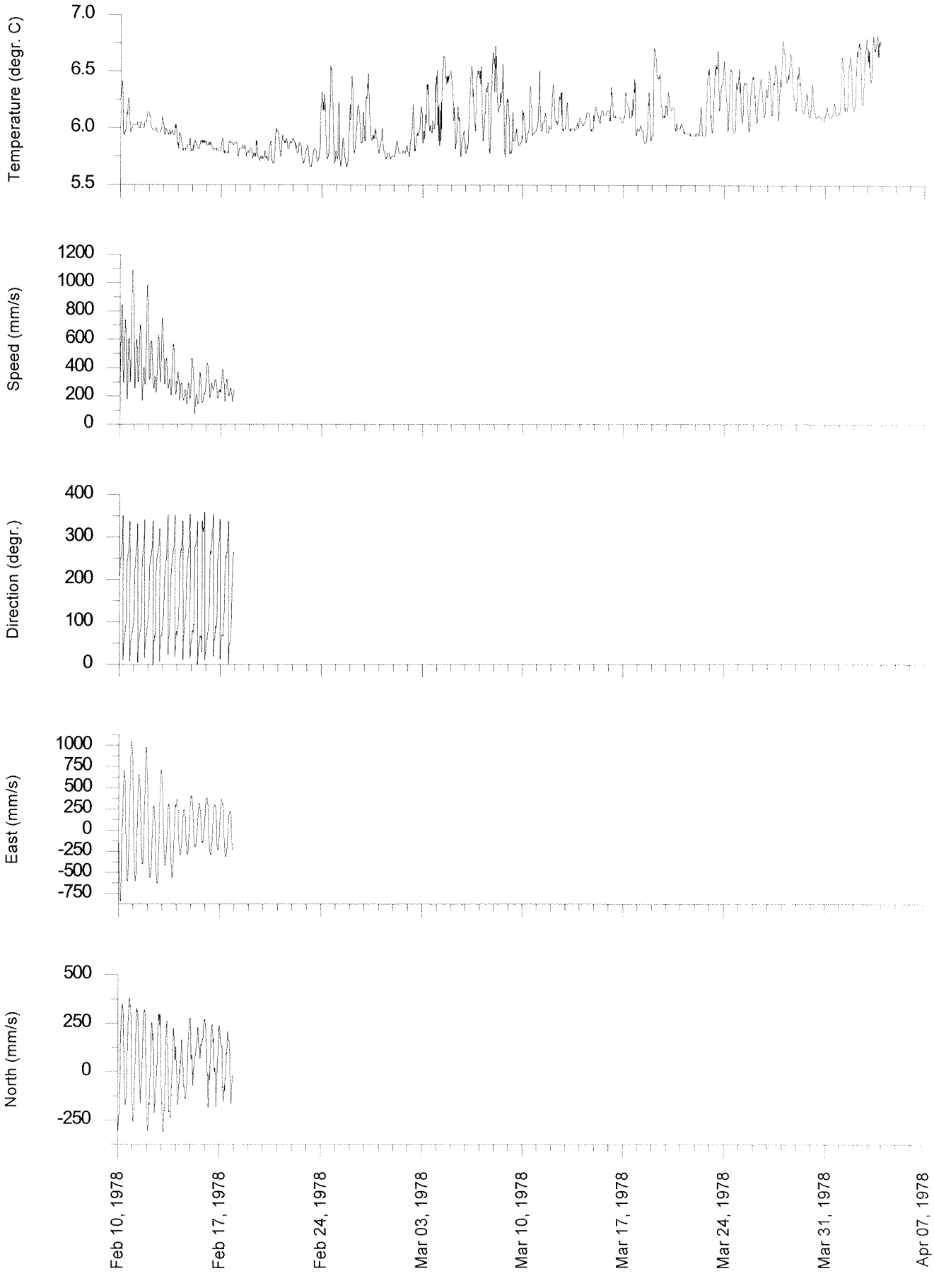
Residual current: 61 mm/sec towards: 33 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

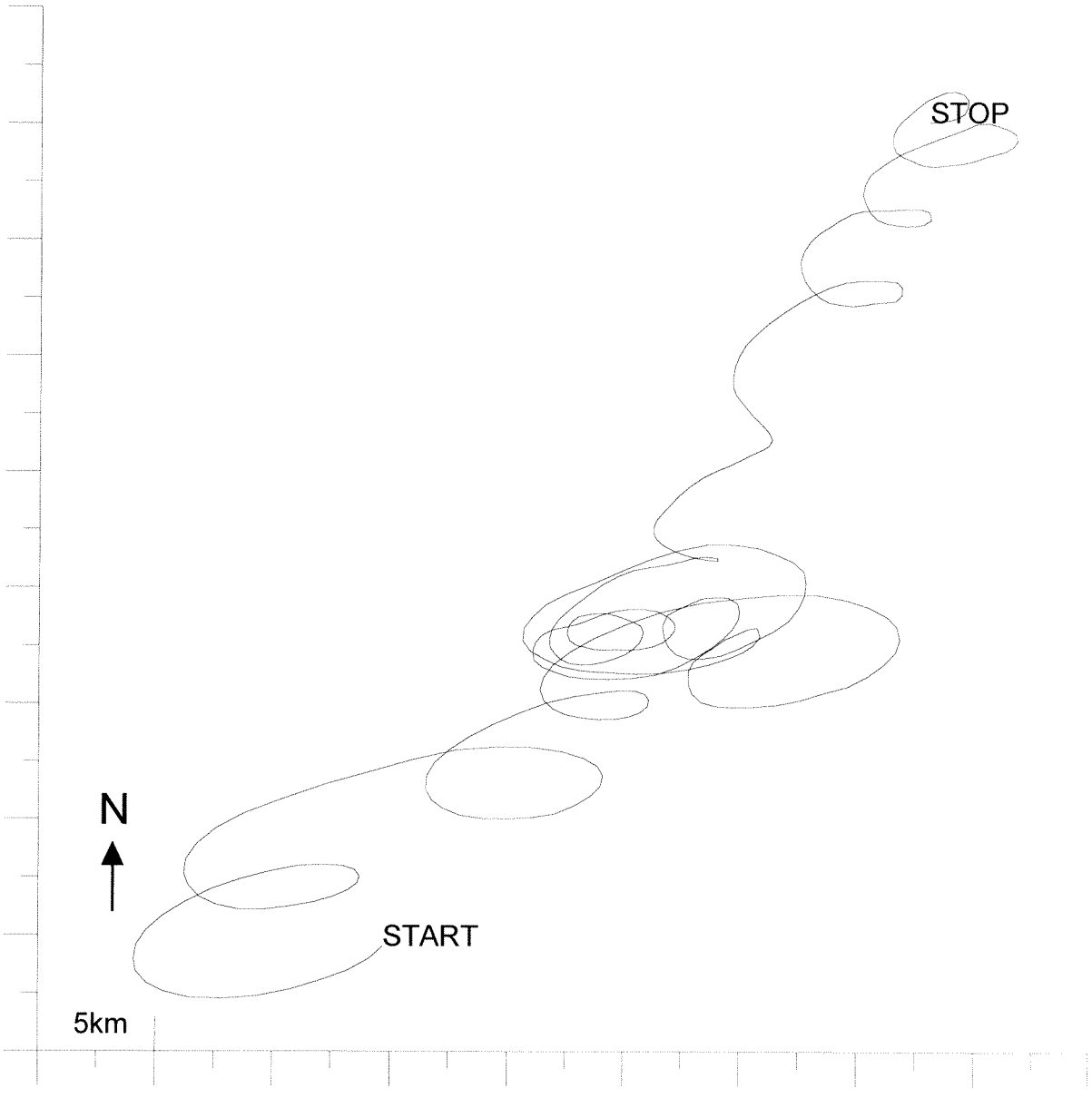
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	2	0	0	0	0	0	2	2
100 - 150	2	0	0	2	0	2	2	0	0	2	0	2	15	18
150 - 200	7	7	2	7	13	7	15	13	0	7	18	7	110	128
200 - 300	34	31	50	36	2	10	10	21	55	50	31	36	371	500
300 - 400	13	36	65	10	5	2	5	15	18	15	10	2	202	702
400 - 500	0	26	15	7	0	0	0	13	18	18	0	0	100	802
500 - 600	0	7	7	7	0	0	0	0	42	15	0	0	81	884
600 - 700	0	5	18	2	0	0	0	0	10	7	0	0	44	928
700 - 800	0	0	23	5	0	0	0	0	2	2	0	0	34	963
800 - 900	0	0	2	2	0	0	0	0	5	0	0	0	10	973
900 - 1000	0	0	15	0	0	0	0	0	0	0	0	0	15	989
1000 - 1100	0	0	10	0	0	0	0	0	0	0	0	0	10	1000
Total (ppt)	57	115	213	84	21	23	36	63	152	121	60	50		
Rel.flux (ppt)	40	113	289	84	13	14	21	51	179	119	39	32		
Avg.spd (mm/s)	253	355	494	365	225	217	213	299	429	358	240	235		
Max.spd (mm/s)	370	620	1090	859	336	317	347	478	844	765	381	302		

2985_001
From 1978/02/10 to 1978/04/04.



Progressive vector diagram
2985_001



Deployment: 2986_005 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 62 32.800 N
Longitude: 6 48.000 W
Bottom depth: 97
Instrument depth: 40
Number of records: 4311
Time of first rec: 19800904 2330
Time of last rec : 19810303 1330
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4311	0
Column 5: Speed	416	3895
Column 6: Direct	4311	0

Comments

Time of last record on tape checked and correct. Rotor was off at recovery and most of the series has been errorflagged for speed.

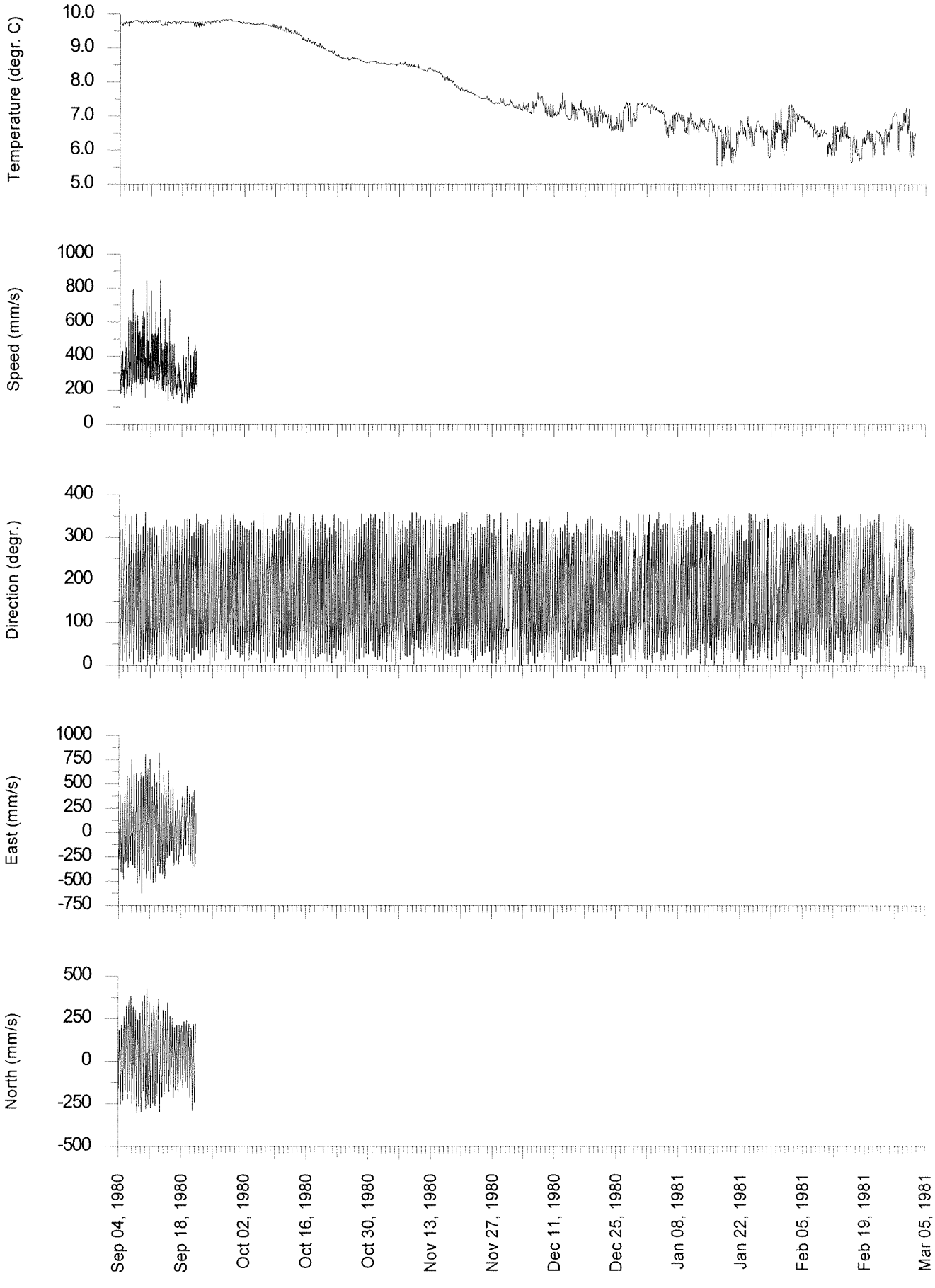
Residual current: 74 mm/sec towards: 59 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

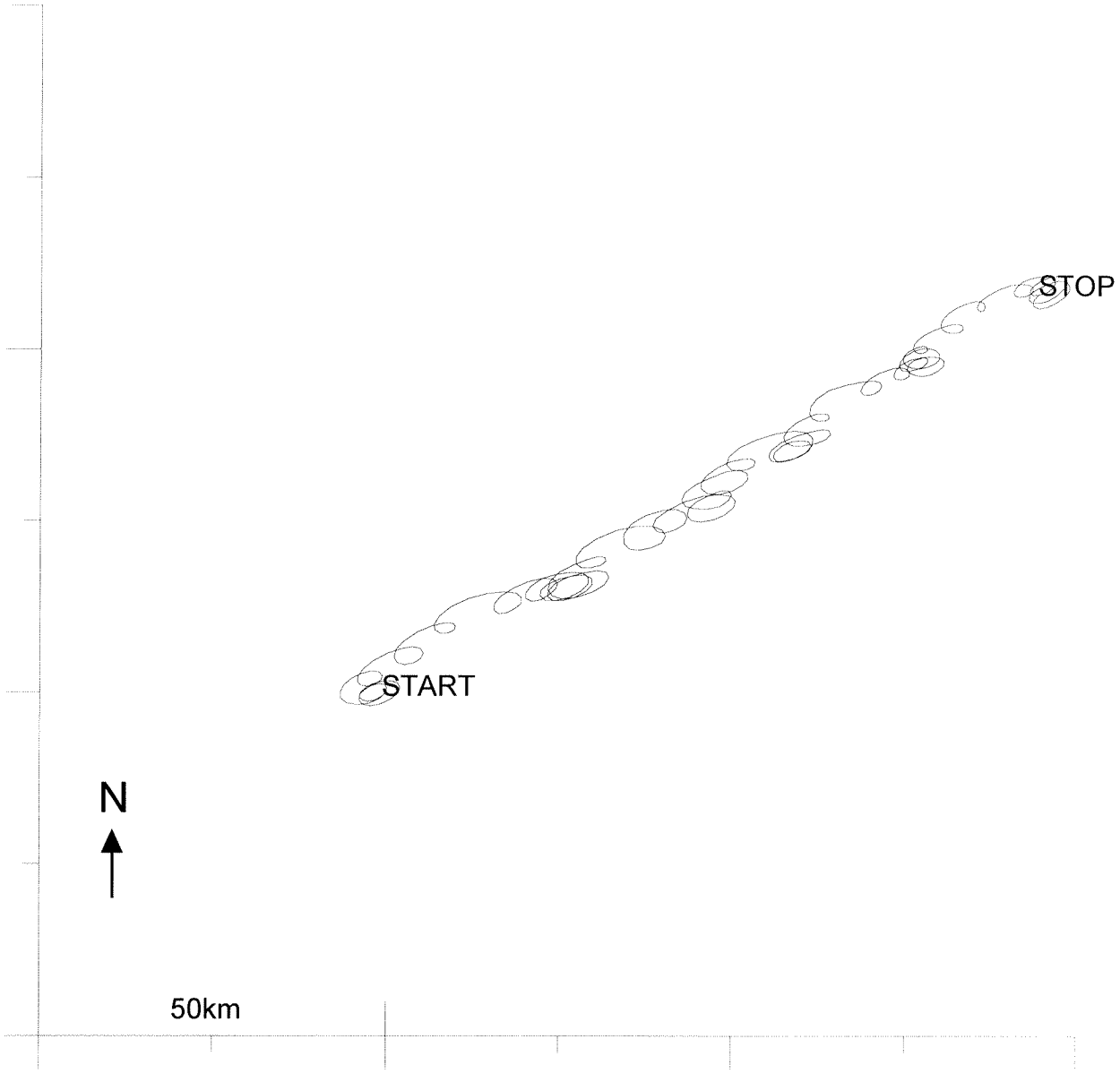
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals												All dir.	
	15	45	75	105	135	165	195	225	255	285	315	345	Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	0	0	0	2	0	7	2	0	2	2	2	4	24	24
150 - 200	7	0	4	9	12	16	12	7	4	9	14	0	98	122
200 - 300	45	21	12	28	21	16	38	28	26	31	40	16	329	451
300 - 400	19	40	48	16	2	0	2	26	40	21	9	0	228	680
400 - 500	0	19	55	12	0	0	0	21	40	14	0	0	163	843
500 - 600	0	24	26	2	0	0	0	2	16	0	0	0	72	915
600 - 700	0	9	48	0	0	0	0	0	4	0	0	0	62	978
700 - 800	0	0	14	0	0	0	0	0	0	0	0	0	14	992
800 - 900	0	0	7	0	0	0	0	0	0	0	0	0	7	1000
Total (ppt)	72	115	216	72	36	40	55	86	137	79	67	21		
Rel.flux (ppt)	53	138	307	62	23	22	36	80	150	67	45	13		
Avg.spd (mm/s)	261	419	498	301	226	189	232	324	385	297	235	213		
Max.spd (mm/s)	377	694	853	504	302	258	323	540	663	489	332	271		

2986_005
From 1980/09/04 to 1981/03/03.



Progressive vector diagram
2986_005



Deployment: 2986_006 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 62 29.900 N
Longitude: 6 47.700 W
Bottom depth: 91
Instrument depth: 40
Number of records: 7807
Time of first rec: 19810314 1615
Time of last rec : 19810824 0715
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	7807	0
Column 5: Speed	3170	4637
Column 6: Direct	7807	0

Comments

Time of last record on tape checked and correct. Rotor was off at recovery and more than half of the series has been errorflagged for speed.

Residual current: 72 mm/sec towards: 71 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

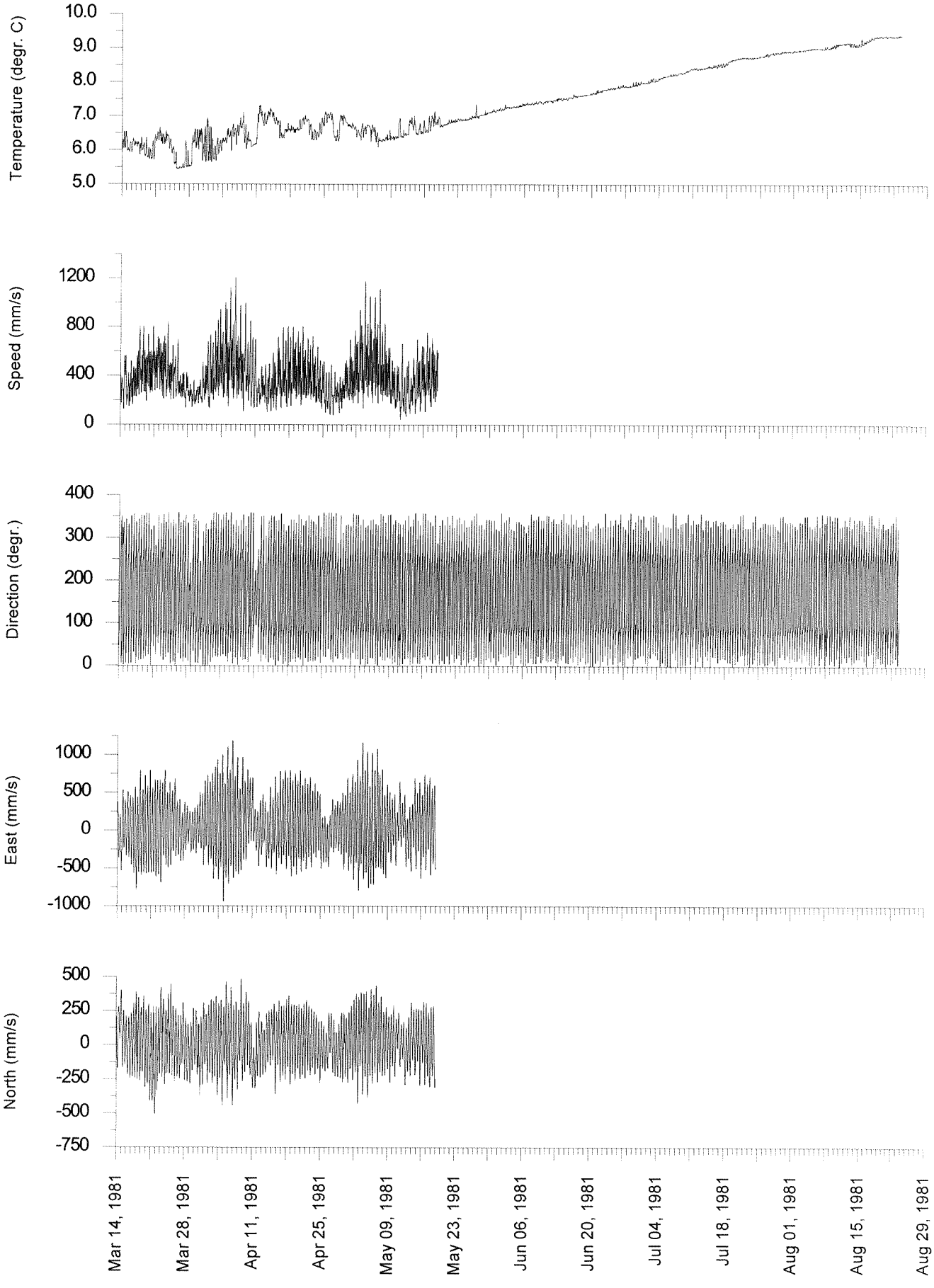
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	26	16	13	67	27	10	20	23	C	
MSF	.00282193	40	49	14	72	42	5	18	51	C	
Q1	.03721850	52	341	21	267	53	20	7	339	A	
O1	.03873065	92	356	41	276	92	40	5	354	A	
NO1	.04026859	7	286	6	147	8	3	142	122	A	
P1	.04155259	31	223	14	136	31	14	1	223	A	I
K1	.04178075	93	240	44	160	93	43	6	237	A	
N2	.07899925	107	284	43	225	109	36	13	280	A	
M2	.08051140	474	302	216	234	483	196	12	297	A	
L2	.08202355	28	325	20	246	29	19	15	314	A	
S2	.08333334	166	339	65	270	168	60	9	335	A	
K2	.08356149	45	339	18	270	46	16	9	335	A	I
MK3	.12229210	6	166	5	76	6	5	180	346	A	
M4	.16102280	7	202	6	345	9	3	143	8	C	
MS4	.16384470	7	245	6	11	8	4	142	43	C	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

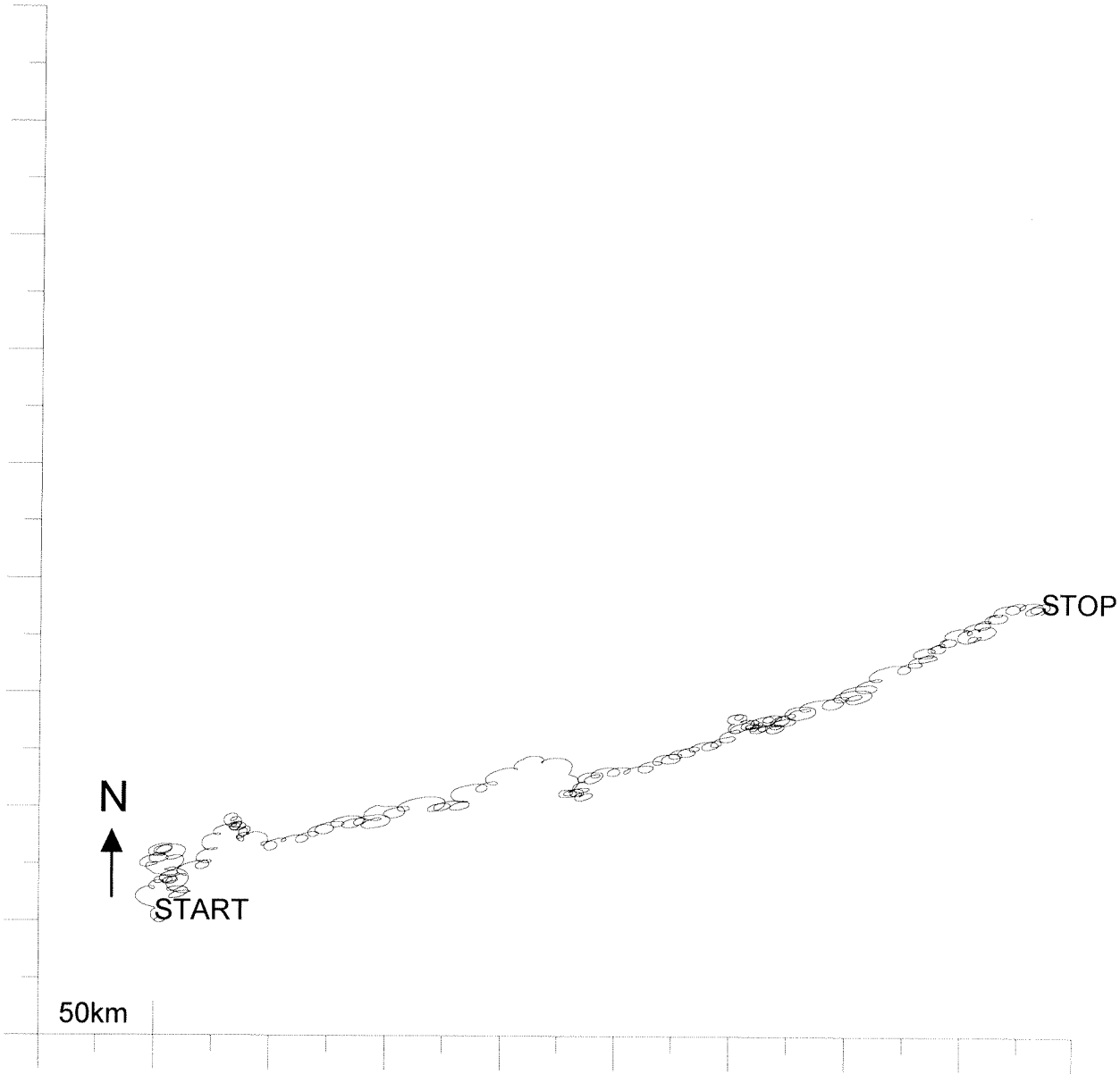
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	1	0	0	0	0	0	0	0	6	6
100 - 150	2	0	1	2	4	2	4	1	1	1	4	2	31	38
150 - 200	4	3	5	3	6	7	6	7	3	5	3	4	61	100
200 - 300	26	17	12	23	21	19	19	29	21	20	22	23	256	356
300 - 400	13	23	28	25	7	5	8	24	29	28	15	5	217	574
400 - 500	4	21	33	18	4	1	2	9	43	22	4	1	167	741
500 - 600	0	12	36	12	1	0	0	4	29	11	1	0	109	851
600 - 700	0	3	49	8	0	0	0	3	12	3	0	0	81	932
700 - 800	0	1	24	4	0	0	0	0	4	1	0	0	35	968
800 - 900	0	0	11	0	0	0	0	0	1	0	0	0	14	982
900 - 1000	0	0	7	0	0	0	0	0	0	0	0	0	8	991
1000 - 1100	0	0	4	0	0	0	0	0	0	0	0	0	5	996
1100 - 1200	0	0	2	0	0	0	0	0	0	0	0	0	3	999
1200 - 1300	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	51	85	219	101	47	37	42	81	148	96	51	36		
Rel.flux (ppt)	35	84	313	104	30	22	26	66	163	92	37	23		
Avg.spd (mm/s)	278	395	571	411	258	242	255	326	439	382	289	251		
Max.spd (mm/s)	508	870	1206	1131	556	470	560	702	948	810	650	441		

2986_006
From 1981/03/14 to 1981/08/24.



Progressive vector diagram
2986_006



Deployment: 2986_007 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 62 30.470 N
Longitude: 6 48.800 W
Bottom depth: 81
Instrument depth: 40
Number of records: 8496
Time of first rec: 19810912 1345
Time of last rec : 19820308 1315
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	8496	0
Column 5: Speed	8496	0
Column 6: Direct	8496	0

Comments
Time of last record on tape could not be checked.

Residual current: 60 mm/sec towards: 35 degrees

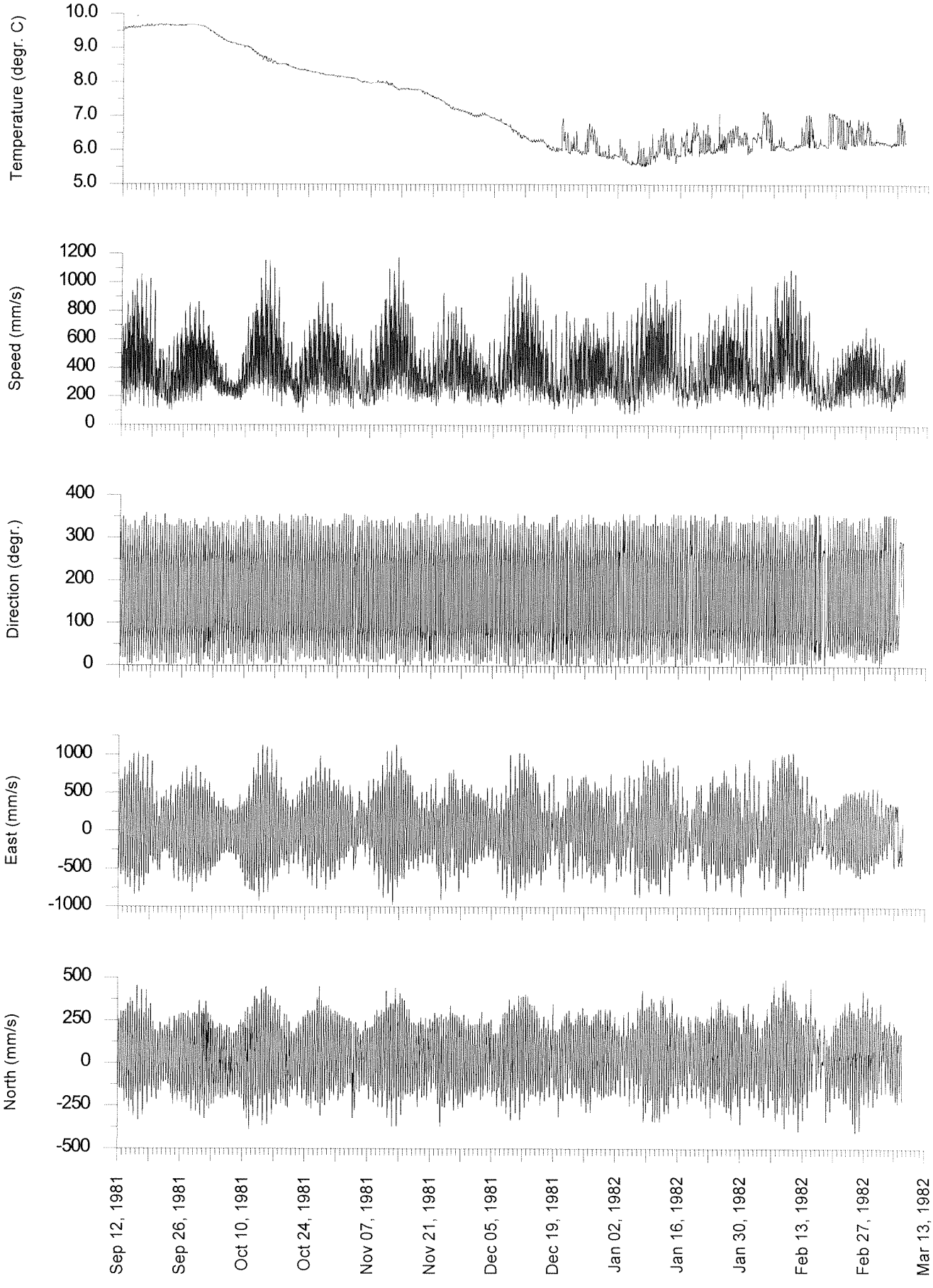
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	24	59	8	32	25	3	17	56	A	
MSF	.00282193	32	70	11	65	34	1	19	70	A	
Q1	.03721850	38	328	12	270	39	10	10	325	A	
O1	.03873065	96	352	35	283	97	33	9	349	A	
NO1	.04026859	19	332	4	271	19	4	7	331	A	
P1	.04155259	31	219	10	147	31	10	6	217	A	I
K1	.04178075	93	235	34	174	94	29	11	232	A	
N2	.07899925	100	268	40	213	103	32	14	264	A	
M2	.08051140	496	298	206	240	509	172	14	294	A	
L2	.08202355	19	338	11	243	19	11	176	161	A	
S2	.08333334	176	333	67	276	180	55	13	329	A	
K2	.08356149	48	333	18	276	49	15	13	329	A	I
MK3	.12229210	4	178	0	156	4	0	4	177	A	
M4	.16102280	5	137	8	285	9	2	122	295	C	
MS4	.16384470	2	208	5	325	6	2	102	330	C	

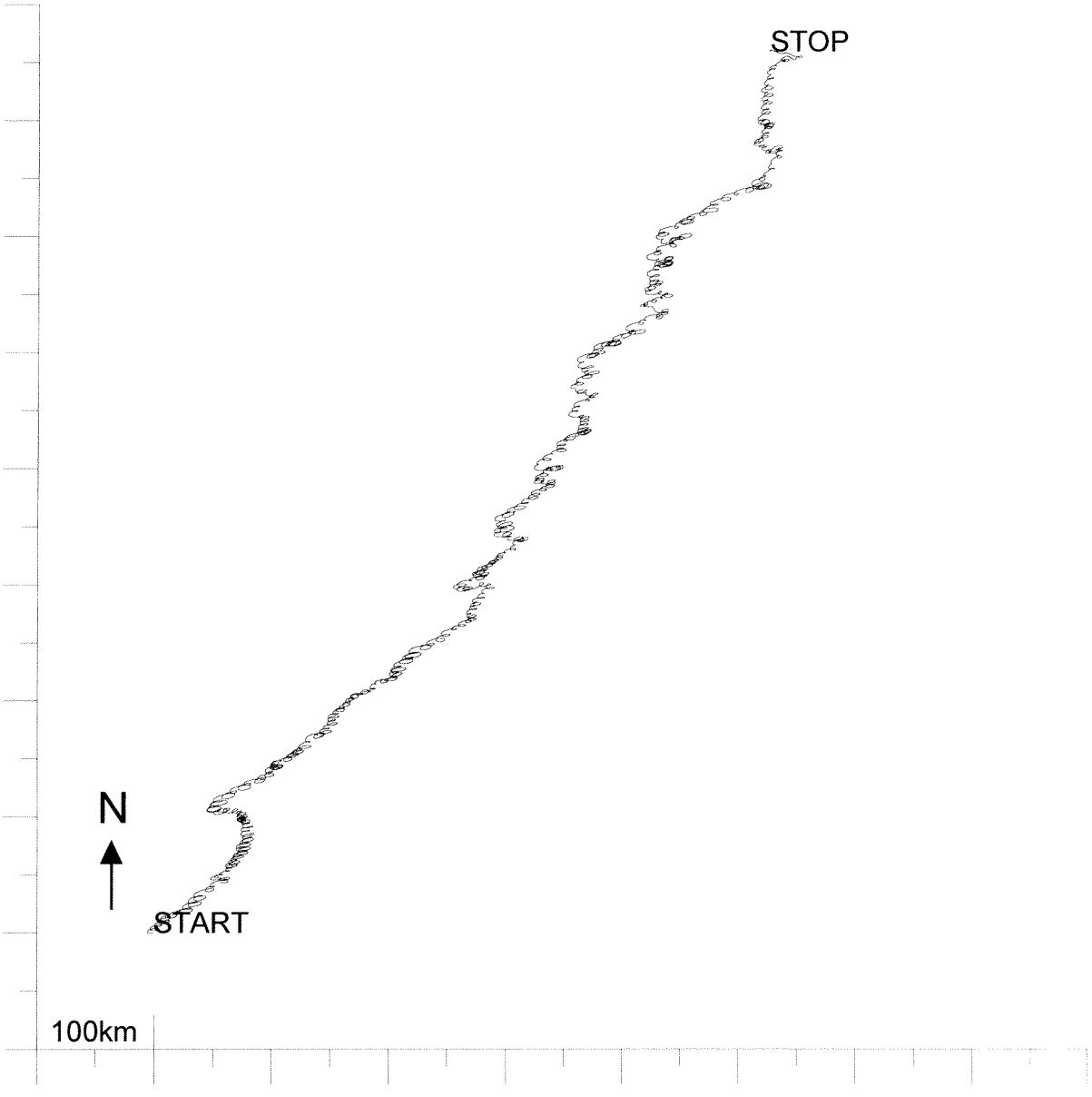
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100 - 150	0	1	2	2	2	4	2	1	1	2	1	1	24	26
150 - 200	5	3	3	6	8	8	8	6	4	4	6	5	70	96
200 - 300	30	24	19	24	14	11	13	25	22	22	25	20	255	352
300 - 400	10	34	28	19	4	1	3	17	33	35	12	3	205	558
400 - 500	1	25	36	9	0	0	0	8	36	31	2	0	152	710
500 - 600	0	16	41	3	0	0	0	4	33	17	0	0	116	826
600 - 700	0	7	36	2	0	0	0	1	23	7	0	0	79	905
700 - 800	0	2	28	0	0	0	0	0	15	1	0	0	47	953
800 - 900	0	0	18	0	0	0	0	0	6	0	0	0	26	980
900 - 1000	0	0	9	0	0	0	0	0	1	0	0	0	10	991
1000 - 1100	0	0	7	0	0	0	0	0	0	0	0	0	7	998
1100 - 1200	0	0	1	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	48	116	233	70	29	26	28	64	179	123	48	31		
Rel.flux (ppt)	31	112	325	55	16	12	15	49	211	119	31	18		
Avg.spd (mm/s)	264	399	576	327	226	205	224	318	485	401	272	242		
Max.spd (mm/s)	493	885	1176	885	411	362	411	743	982	818	519	493		

2986_007
From 1981/09/12 to 1982/03/08.



Progressive vector diagram
2986_007



Deployment: 2984_010 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 62 30.620 N
Longitude: 6 49.560 W
Bottom depth: 95
Instrument depth: 40
Number of records: 5143
Time of first rec: 19820904 0856
Time of last rec : 19821220 1156
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	5143	0
Column 5: Speed	4931	212
Column 6: Direct	5143	0

Comments

Time of last record on tape checked and correct. In November 1982 there is a period of about four days where current speed had to be errorflagged

Residual current: 88 mm/sec towards: 56 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 212
Tidal analysis on data passed through 3 filters: A2, A2, and A3

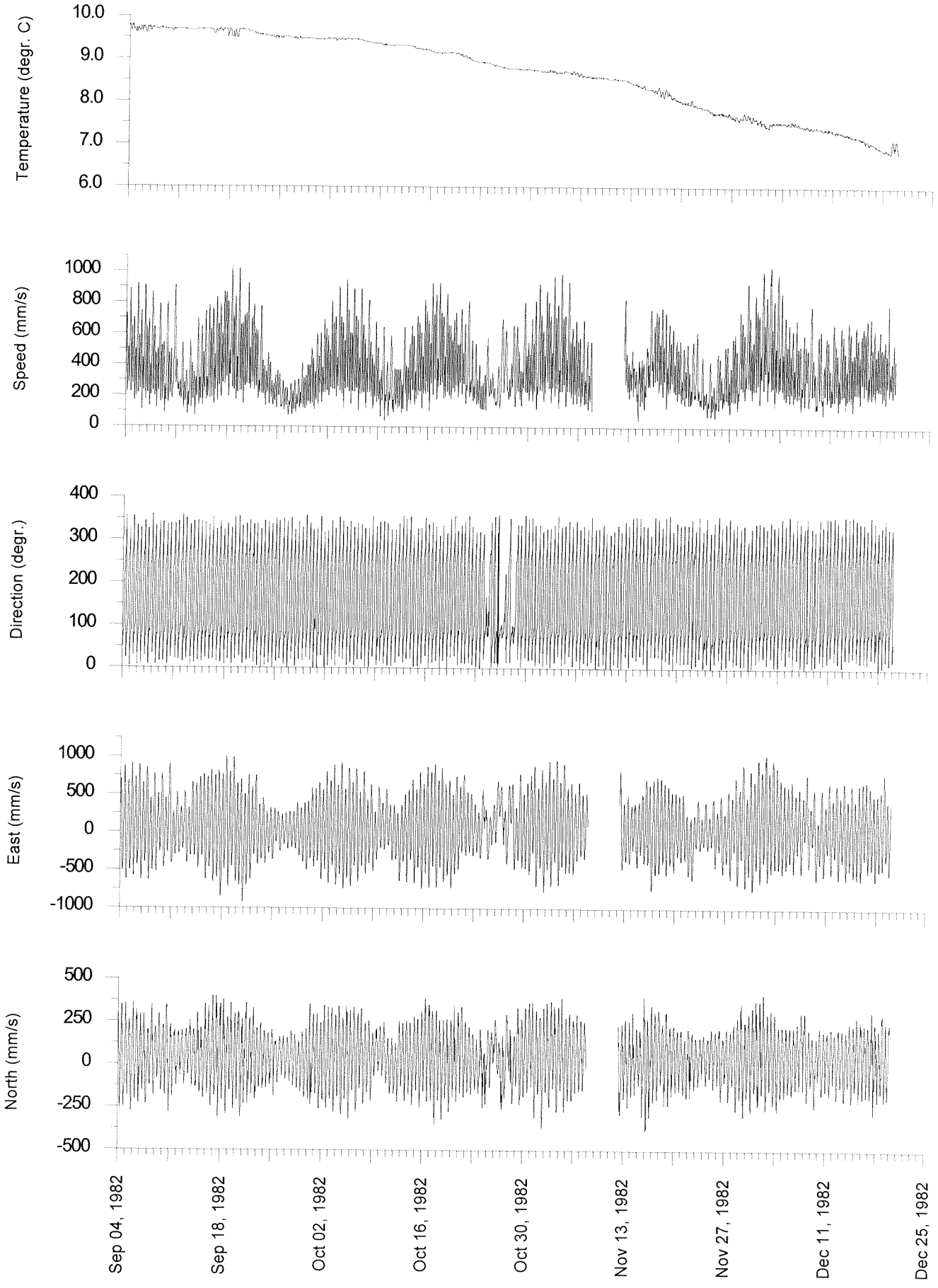
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	26	334	7	10	26	4	13	336	C	
MSF	.00282193	16	41	6	77	17	3	18	45	C	
Q1	.03721850	38	334	10	263	38	10	5	333	A	
O1	.03873065	85	345	26	278	85	24	8	342	A	
NO1	.04026859	45	354	16	298	46	13	13	350	A	
P1	.04155259	31	213	10	132	31	10	3	212	A	I
K1	.04178075	94	229	33	159	95	31	8	226	A	
N2	.07899925	81	277	21	235	82	14	11	275	A	
M2	.08051140	477	295	183	234	486	158	12	291	A	
L2	.08202355	9	319	1	2	9	1	4	320	C	
S2	.08333334	167	330	59	269	170	50	11	326	A	
K2	.08356149	45	330	16	269	46	14	11	327	A	I
MK3	.12229210	6	148	4	34	6	4	154	343	A	
M4	.16102280	5	150	9	309	10	2	116	313	C	
MS4	.16384470	2	233	6	348	6	2	101	351	C	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

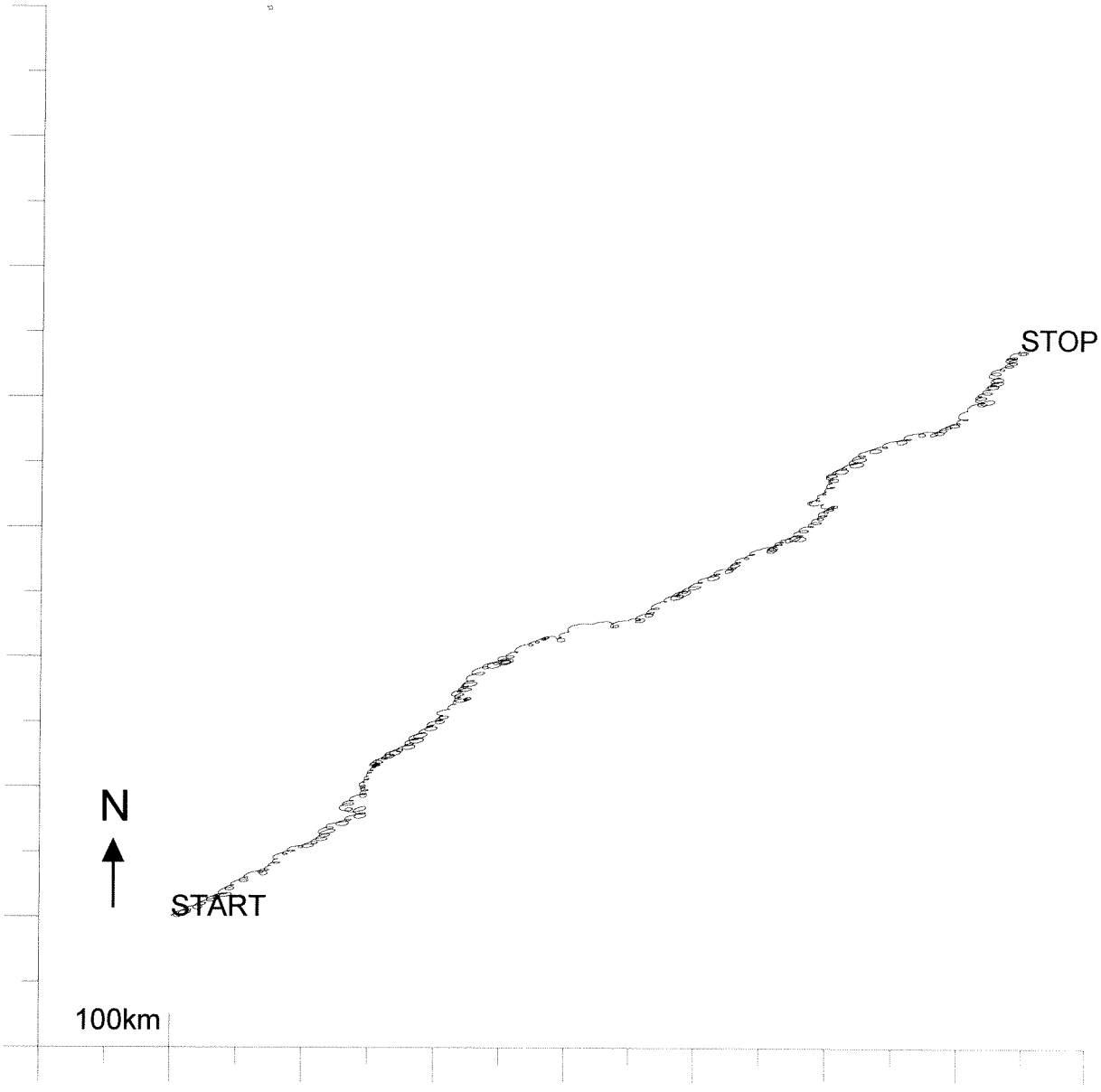
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	1	1	1	1	0	0	0	0	0	0	6	7
100 - 150	2	0	3	5	6	7	4	3	2	3	4	2	46	54
150 - 200	10	4	4	11	6	7	7	8	7	7	8	9	93	147
200 - 300	28	26	26	22	12	8	10	22	24	25	26	17	252	399
300 - 400	7	26	35	17	1	0	1	14	37	36	7	2	188	588
400 - 500	1	18	38	13	0	0	0	6	36	26	0	0	142	730
500 - 600	0	12	49	6	0	0	0	1	25	12	0	0	106	837
600 - 700	0	3	50	3	0	0	0	0	21	4	0	0	83	921
700 - 800	0	0	33	1	0	0	0	0	5	1	0	0	43	965
800 - 900	0	0	21	0	0	0	0	0	1	0	0	0	24	989
900 - 1000	0	0	8	0	0	0	0	0	0	0	0	0	9	998
1000 - 1100	0	0	1	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	50	93	275	82	28	24	25	58	163	117	48	32		
Rel.flux (ppt)	31	88	387	71	14	11	13	42	181	111	29	17		
Avg.spd (mm/s)	243	373	551	336	201	177	205	283	435	373	241	216		
Max.spd (mm/s)	426	728	1038	825	441	306	418	653	926	754	418	358		

2984_010
From 1982/09/04 to 1982/12/20.



Progressive vector diagram
2984_010



Deployment: 2984_011 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 62 30.200 N
Longitude: 6 45.200 W
Bottom depth: 80
Instrument depth: 40
Number of records: 7595
Time of first rec: 19821223 1235
Time of last rec : 19830530 1735
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	7595	0
Column 5: Speed	7595	0
Column 6: Direct	7593	2

Comments
Time of last record on tape checked and correct.

Residual current: 60 mm/sec towards: 58 degrees

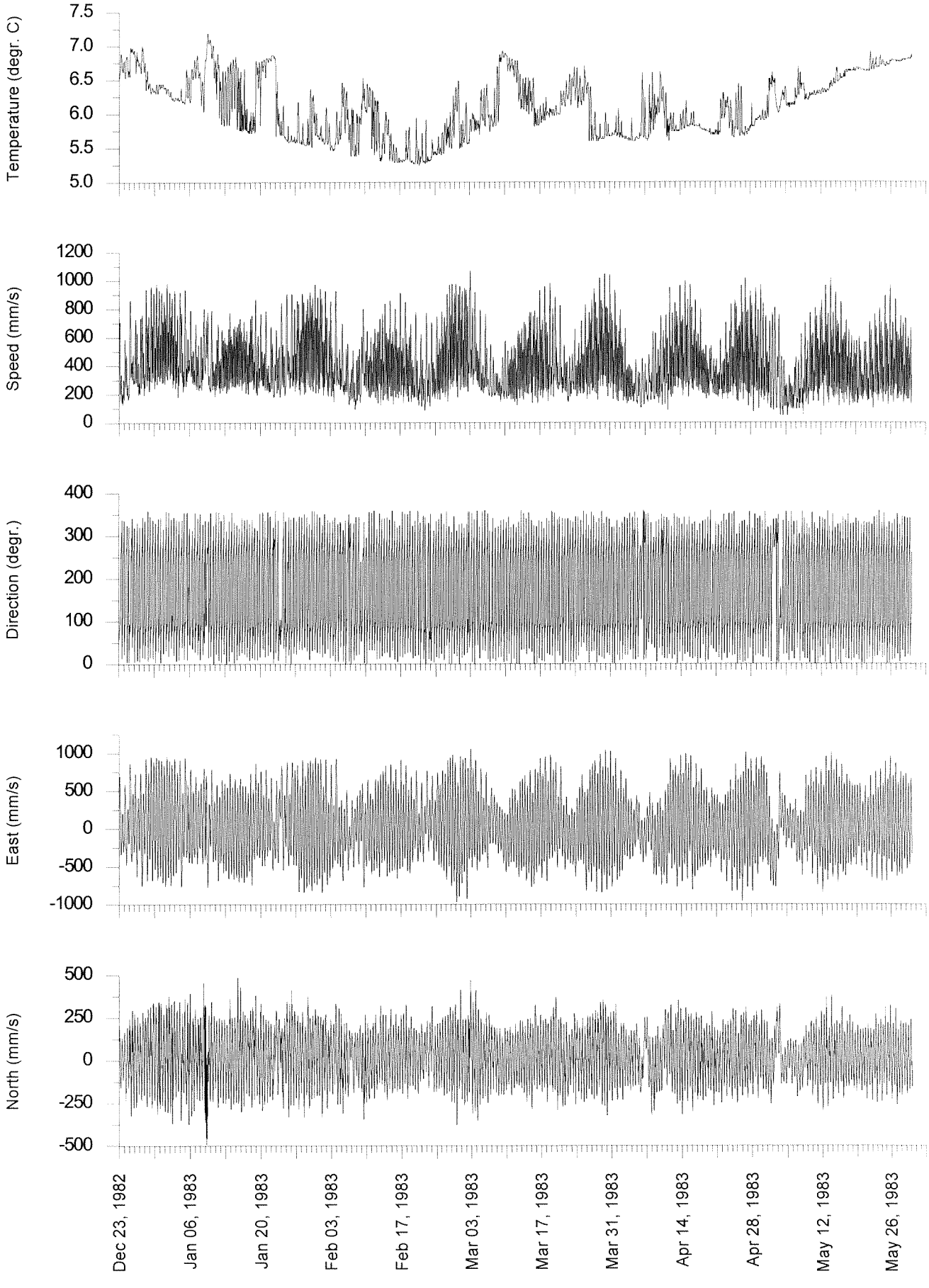
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 2, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	36	2	11	352	38	2	17	1	A	
MSF	.00282193	33	76	14	51	36	6	22	72	A	
Q1	.03721850	33	318	7	249	33	6	4	317	A	
O1	.03873065	97	349	25	268	97	24	2	348	A	
NO1	.04026859	19	38	5	286	19	5	174	220	A	
P1	.04155259	32	217	9	130	32	9	1	216	A	I
K1	.04178075	96	232	28	160	97	26	6	231	A	
N2	.07899925	110	268	33	186	110	33	3	267	A	
M2	.08051140	533	297	175	219	535	170	4	296	A	
L2	.08202355	14	329	9	268	15	8	24	316	A	
S2	.08333334	177	335	50	255	178	49	3	334	A	
K2	.08356149	48	335	14	255	48	13	3	334	A	I
MK3	.12229210	7	118	4	85	8	2	27	110	A	
M4	.16102280	5	193	11	287	11	5	92	288	C	
MS4	.16384470	5	243	6	313	6	4	64	295	C	

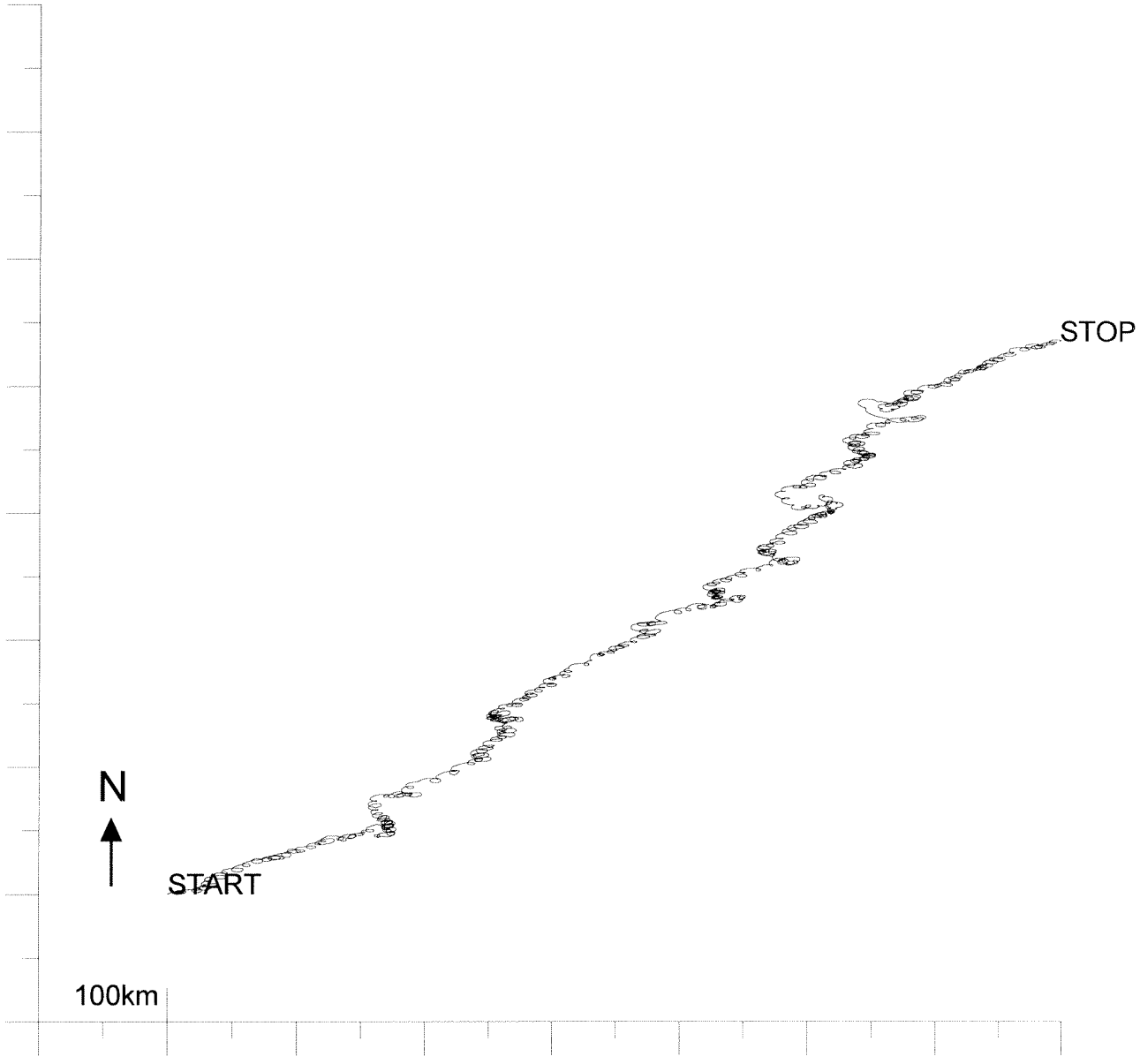
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	3	4
100 - 150	2	0	1	2	3	4	3	1	1	1	2	1	26	30
150 - 200	7	4	3	6	8	7	7	6	3	3	4	6	68	99
200 - 300	24	23	17	23	17	11	13	24	18	20	25	18	238	337
300 - 400	5	23	25	26	5	1	2	17	31	38	14	4	197	534
400 - 500	0	9	31	23	0	0	0	5	35	38	3	0	148	683
500 - 600	0	4	36	15	0	0	0	1	25	25	0	0	110	793
600 - 700	0	1	33	12	0	0	0	0	17	18	0	0	84	878
700 - 800	0	0	35	9	0	0	0	0	7	9	0	0	63	941
800 - 900	0	0	23	6	0	0	0	0	3	3	0	0	36	978
900 - 1000	0	0	16	2	0	0	0	0	0	0	0	0	20	998
1000 - 1100	0	0	1	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	40	68	225	129	35	26	27	56	145	161	51	31		
Rel.flux (ppt)	22	54	314	139	19	12	14	38	158	174	33	17		
Avg.spd (mm/s)	242	341	591	455	237	211	220	288	463	458	275	235		
Max.spd (mm/s)	512	821	1072	1012	724	500	463	564	978	963	590	381		

2984_011
From 1982/12/23 to 1983/05/30.



Progressive vector diagram
2984_011



Deployment: 7075_002 analyzed from beginning to end
Instrument no.: 7075
Instrument type: Aanderaa
Latitude: 62 30.050 N
Longitude: 6 49.580 W
Bottom depth: 102
Instrument depth: 40
Number of records: 2403
Time of first rec: 19830913 2015
Time of last rec : 19831102 2115
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	2403	0
Column 5: Speed	897	1506
Column 6: Direct	2403	0
Column 7: Salt	2403	0

Comments

Time of last record on tape checked and correct. Rotor was off at recovery and most of the series has been errorflagged for speed. Salinity was not calibrated and absolute values are not reliable.

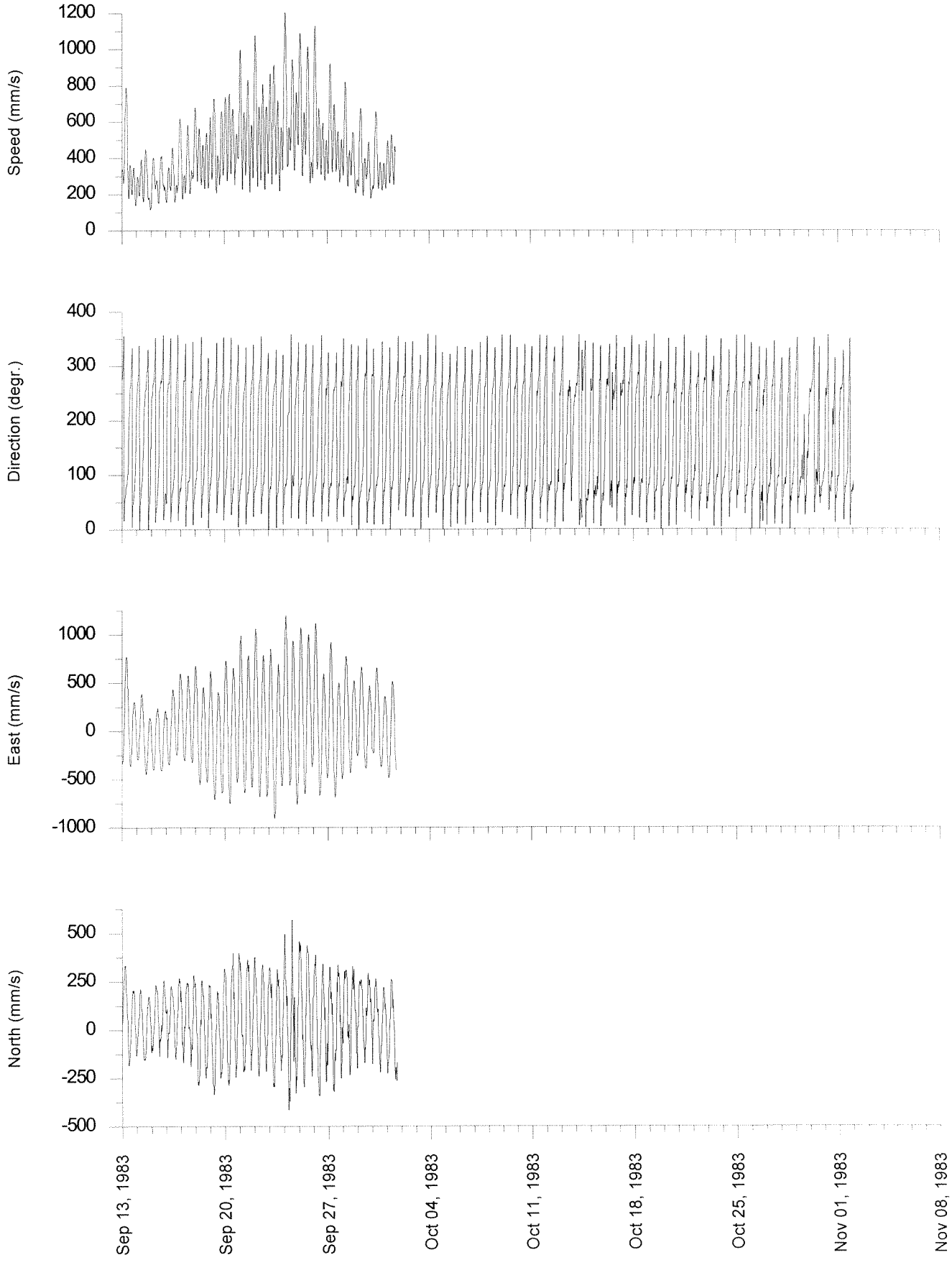
Residual current: 91 mm/sec towards: 52 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

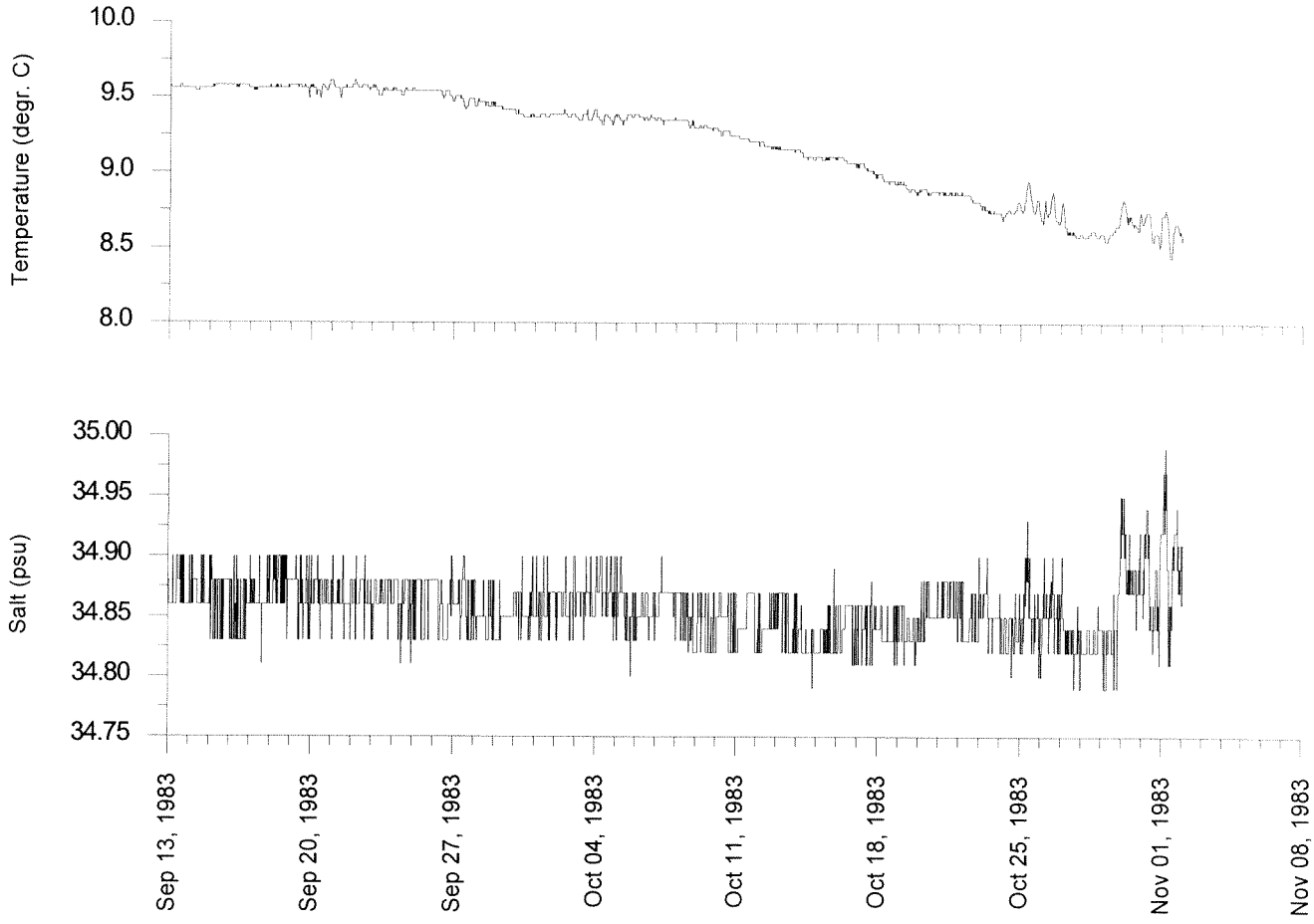
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	0	0	1	1	2	1	2	0	0	0	0	0	7	7
150 - 200	4	5	2	3	4	3	8	3	5	0	0	2	43	51
200 - 300	23	22	7	18	17	8	18	15	17	25	16	20	214	265
300 - 400	16	26	24	23	6	4	8	20	28	39	28	7	236	501
400 - 500	3	24	34	17	2	1	0	11	30	28	7	5	167	668
500 - 600	0	11	40	13	0	0	0	4	27	18	1	0	117	785
600 - 700	1	11	33	8	0	0	0	1	30	10	0	0	95	881
700 - 800	0	2	27	5	0	0	0	0	6	4	0	0	46	928
800 - 900	0	0	22	1	0	0	0	0	3	0	0	0	26	955
900 - 1000	0	0	17	4	0	0	0	0	2	0	0	0	24	979
1000 - 1100	0	0	14	0	0	0	0	0	0	0	0	0	14	994
1100 - 1200	0	0	3	0	0	0	0	0	0	0	0	0	3	997
1200 - 1300	0	0	2	0	0	0	0	0	0	0	0	0	2	1000
Total (ppt)	49	103	231	98	33	18	39	55	152	127	54	35		
Rel.flux (ppt)	32	93	333	97	19	11	20	43	165	118	39	23		
Avg.spd (mm/s)	296	406	644	447	262	266	238	352	485	417	325	291		
Max.spd (mm/s)	610	787	1205	945	465	438	381	619	914	765	513	487		

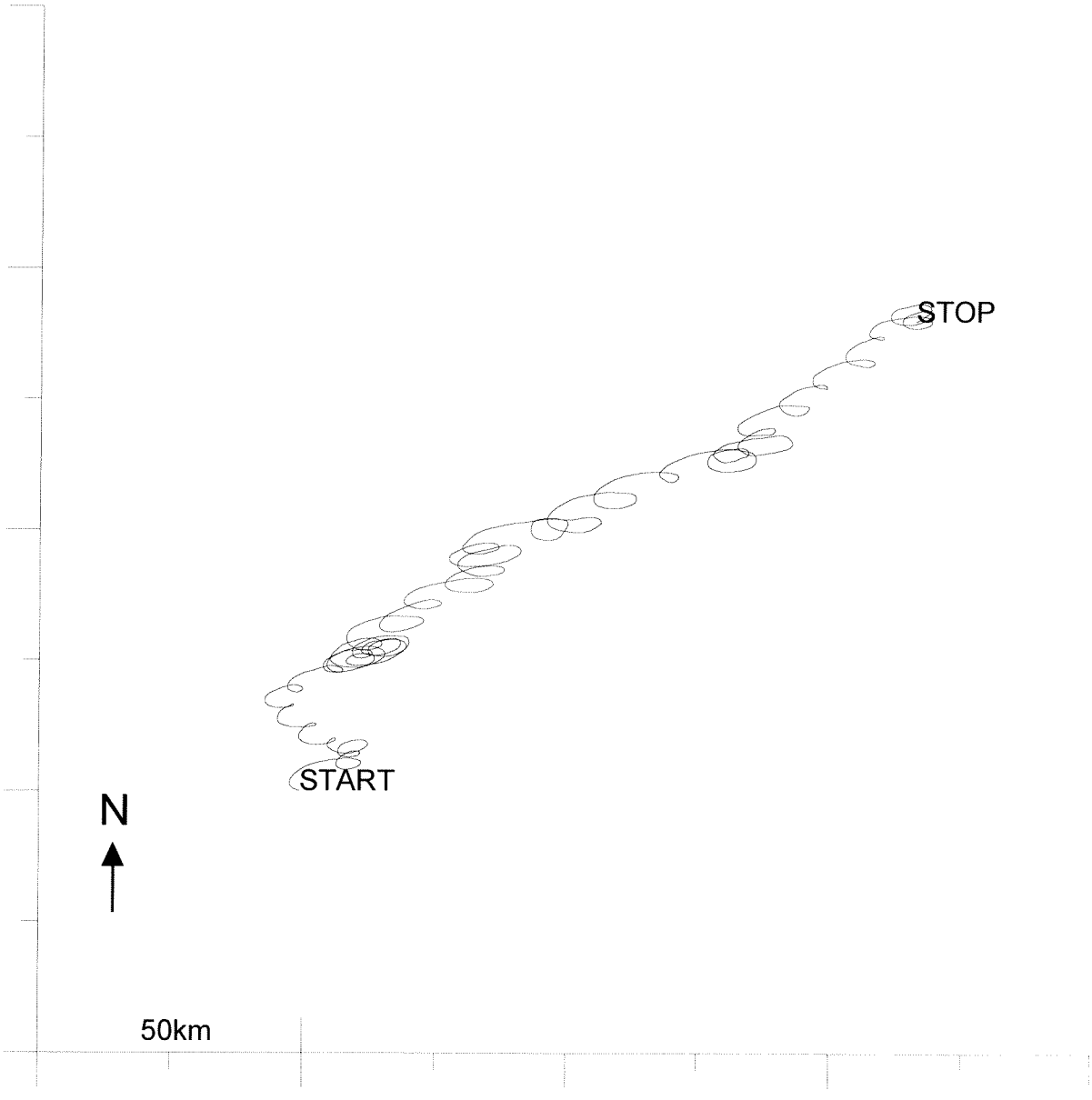
7075_002
From 1983/09/13 to 1983/11/02.



7075_002
From 1983/09/13 to 1983/11/02.



Progressive vector diagram
7075_002



Deployment: 2985_002 analyzed from beginning to end
Instrument no.: 2985
Instrument type: Aanderaa
Latitude: 62 19.700 N
Longitude: 7 27.900 W
Bottom depth: 95
Instrument depth: 40
Number of records: 3385
Time of first rec: 19780515 0946
Time of last rec : 19780724 2146
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3385	0
Column 5: Speed	371	3014
Column 6: Direct	3385	0

Comments

Time of last record on tape checked and correct. Rotor was off at recovery and only the first week has not been errorflagged for speed.

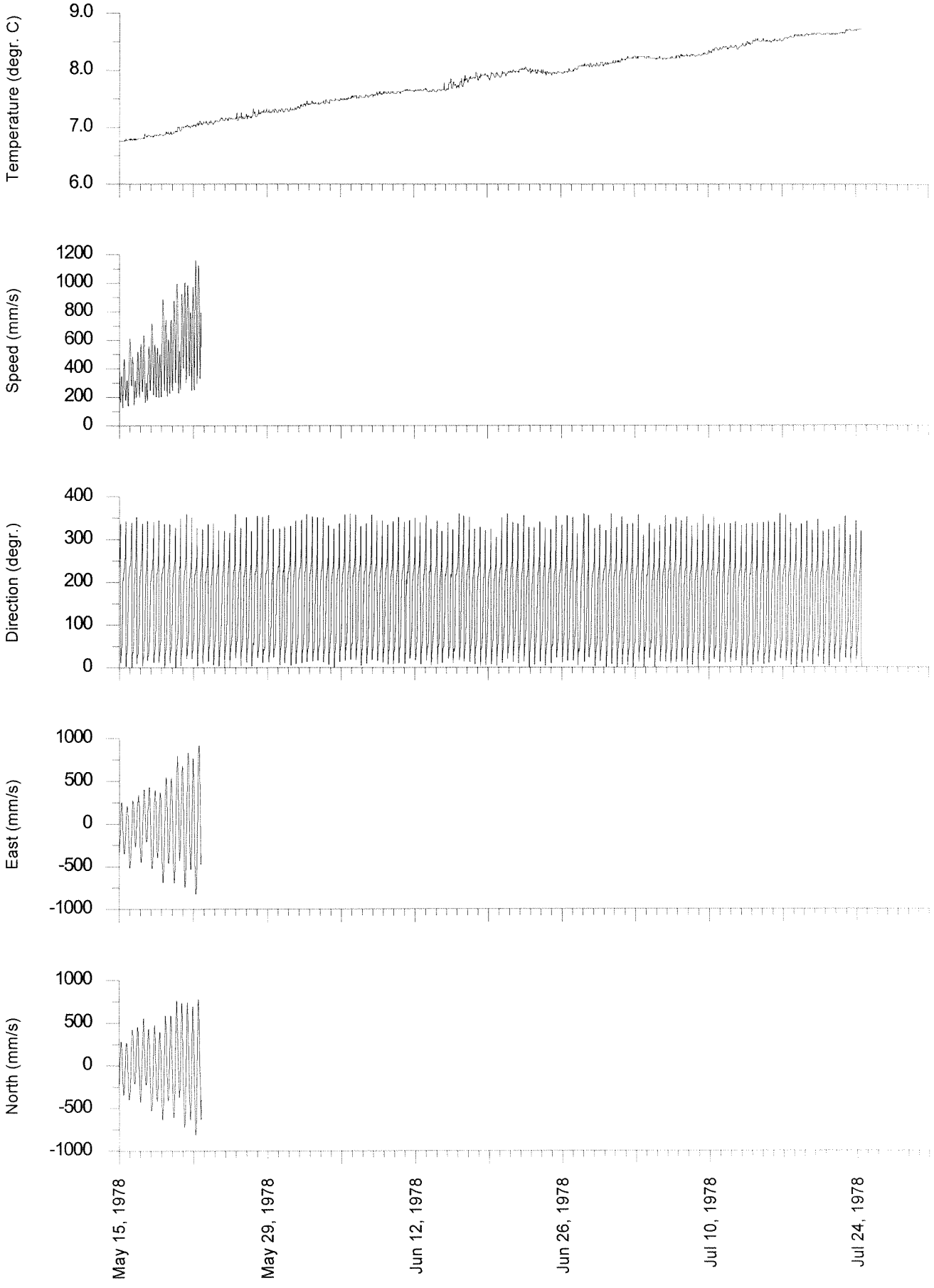
Residual current: 18 mm/sec towards: 20 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

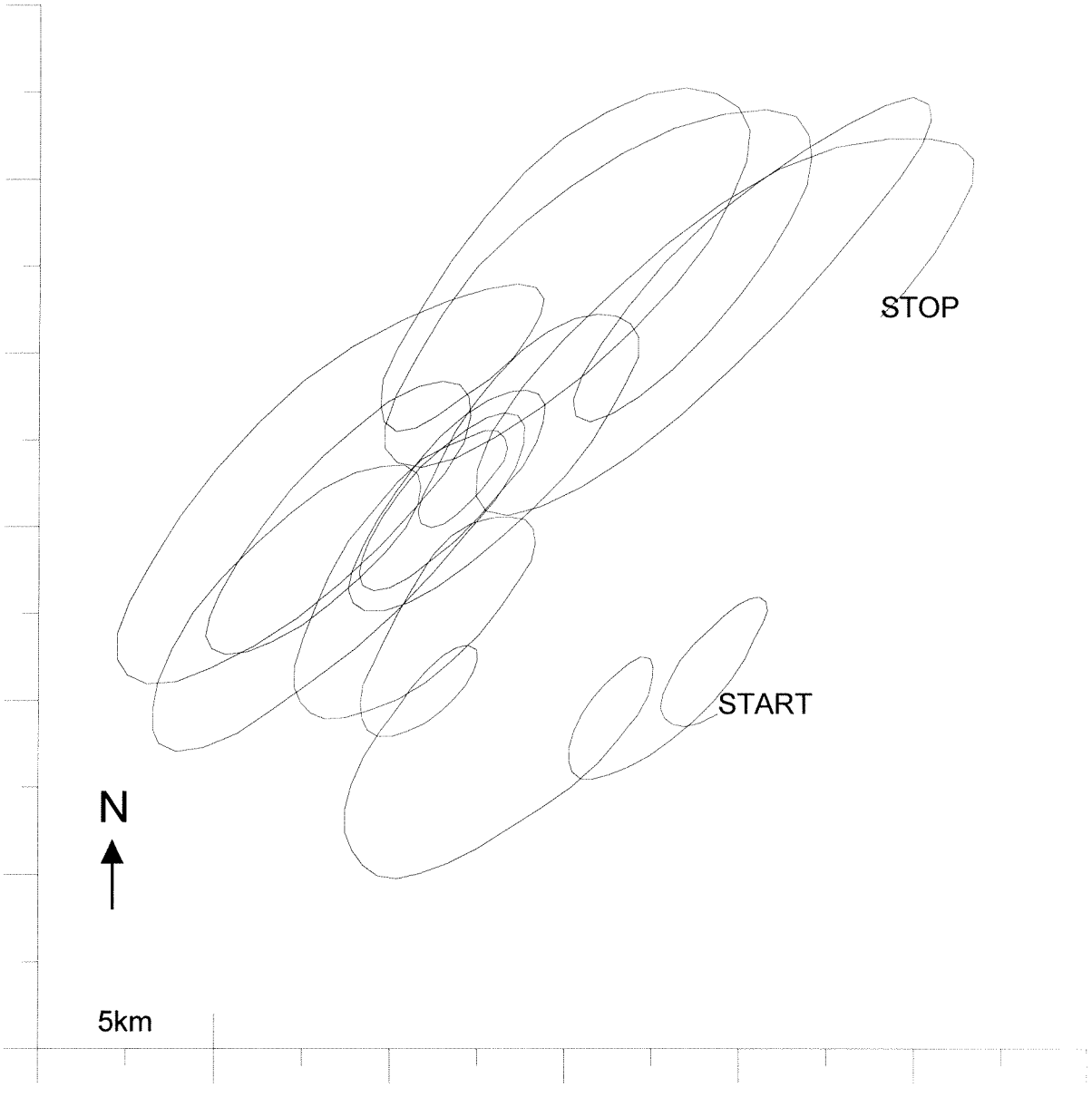
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	0	0	2	5	2	2	0	0	0	0	0	0	13	13
150 - 200	0	2	2	0	5	8	2	0	2	5	8	10	48	61
200 - 300	21	10	13	21	16	8	26	13	18	13	18	21	204	266
300 - 400	29	24	16	2	5	5	16	16	29	10	2	5	164	431
400 - 500	35	26	13	8	2	2	24	26	16	0	0	0	156	587
500 - 600	24	26	5	0	0	0	8	53	16	0	0	0	134	722
600 - 700	10	13	13	0	0	0	5	26	2	0	0	0	72	795
700 - 800	2	24	5	0	0	0	5	24	8	0	0	0	70	865
800 - 900	0	18	8	0	0	0	0	26	0	0	0	0	53	919
900 - 1000	0	35	5	0	0	0	0	13	0	0	0	0	53	973
1000 - 1100	0	5	0	0	0	0	0	8	0	0	0	0	13	986
1100 - 1200	0	8	0	0	0	0	0	5	0	0	0	0	13	1000
Total (ppt)	123	196	86	37	32	26	88	215	94	29	29	37		
Rel.flux (ppt)	109	265	91	21	16	13	72	280	79	16	14	18		
Avg.spd (mm/s)	430	660	515	283	247	236	398	635	413	271	247	243		
Max.spd (mm/s)	721	1124	971	489	411	403	780	1161	739	388	302	358		

2985_002
From 1978/05/15 to 1978/07/24.



Progressive vector diagram
2985_002



Deployment: 2986_002 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 62 19.700 N
Longitude: 7 27.900 W
Bottom depth: 95
Instrument depth: 40
Number of records: 6108
Time of first rec: 19781022 1745
Time of last rec : 19790226 2315
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	6108	0
Column 5: Speed	6108	0
Column 6: Direct	6108	0

Comments
Time of last record on tape could not be checked.

Residual current: 29 mm/sec towards: 53 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

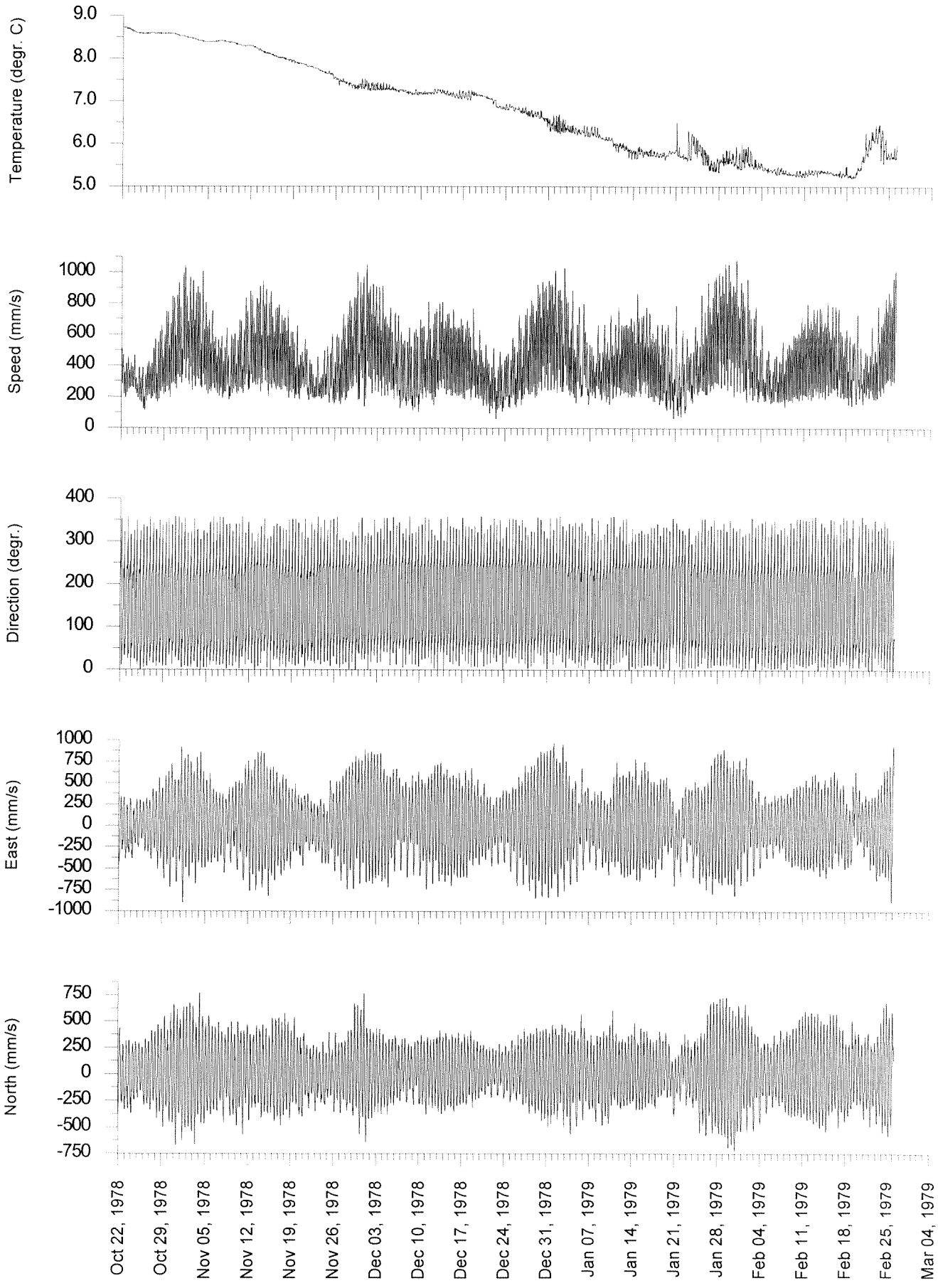
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	23	19	4	228	23	2	172	200	A	
MSF	.00282193	29	75	7	89	29	2	13	76	C	
Q1	.03721850	42	270	24	234	47	13	27	262	A	
O1	.03873065	72	285	43	263	83	14	30	280	A	
NO1	.04026859	7	127	7	143	10	1	44	135	C	
P1	.04155259	26	156	12	126	28	5	22	152	A	I
K1	.04178075	77	172	41	145	86	16	26	166	A	
N2	.07899925	105	243	69	205	119	37	30	233	A	
M2	.08051140	483	263	348	226	568	177	34	251	A	
L2	.08202355	13	287	14	273	19	2	46	280	A	
S2	.08333334	173	298	113	264	199	55	31	289	A	
K2	.08356149	47	298	31	264	54	15	31	289	A	I
MK3	.12229210	6	120	5	353	7	3	148	317	A	
M4	.16102280	9	231	12	86	15	4	125	74	A	
MS4	.16384470	5	318	6	118	8	1	125	125	C	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

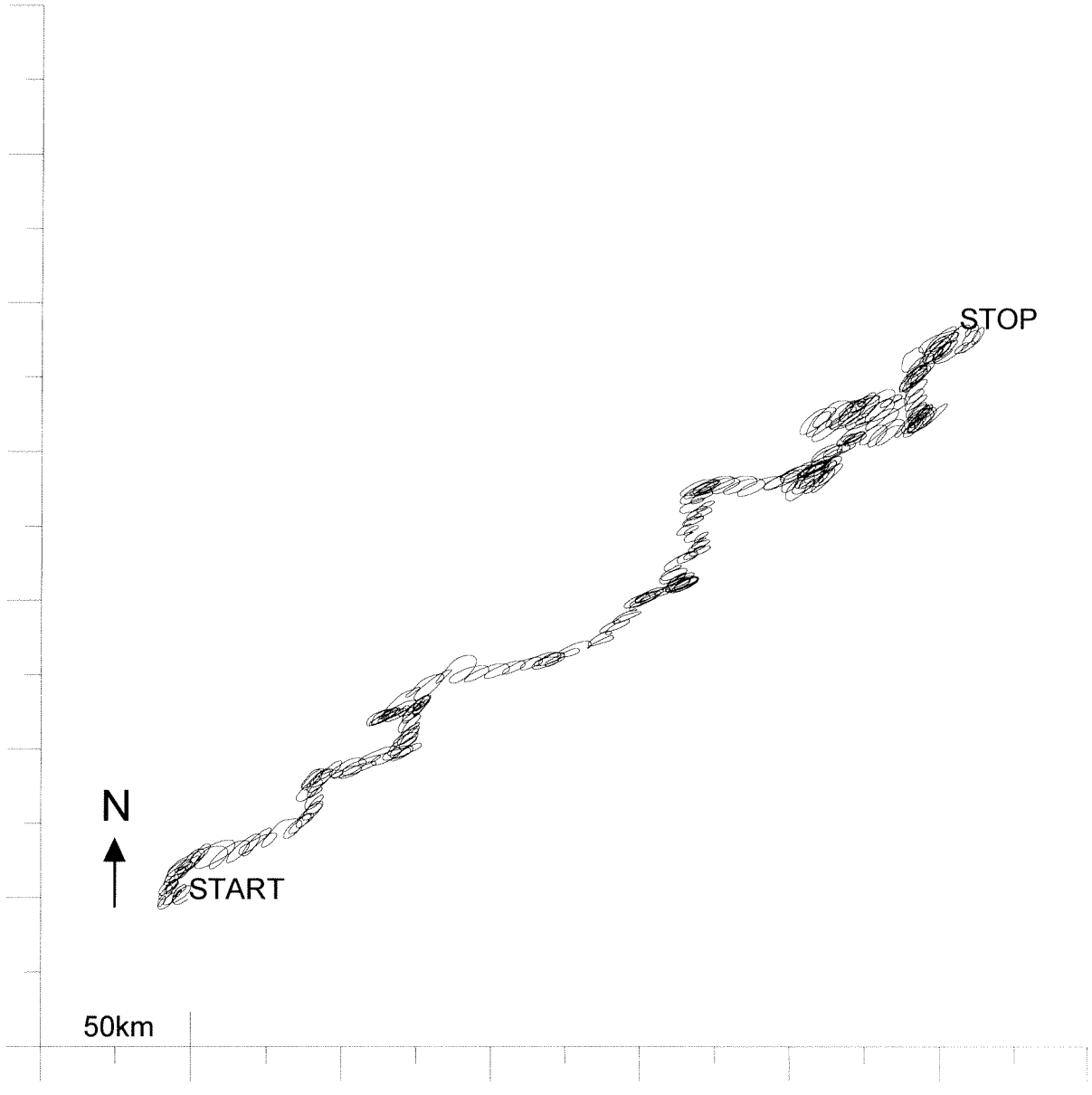
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100 - 150	0	0	1	0	1	0	1	0	1	2	1	0	12	14
150 - 200	2	0	1	5	6	4	3	2	6	5	7	2	49	63
200 - 300	17	9	18	17	16	15	19	19	24	22	22	18	221	285
300 - 400	26	31	25	10	4	5	15	33	32	7	2	3	197	482
400 - 500	11	39	26	5	1	2	5	36	37	0	0	0	166	648
500 - 600	5	37	23	3	0	0	2	31	25	0	0	0	129	778
600 - 700	1	29	21	1	0	0	0	23	22	0	0	0	101	879
700 - 800	0	19	18	0	0	0	0	14	11	0	0	0	65	945
800 - 900	0	9	12	0	0	0	0	8	5	0	0	0	34	979
900 - 1000	0	6	6	0	0	0	0	2	0	0	0	0	16	995
1000 - 1100	0	1	1	0	0	0	0	0	0	0	0	0	4	1000
Total (ppt)	65	185	157	44	31	28	47	173	167	37	34	25		
Rel.flux (ppt)	54	228	191	31	17	16	34	196	176	20	17	14		
Avg.spd (mm/s)	363	548	540	315	248	265	318	504	467	246	226	250		
Max.spd (mm/s)	773	1060	1030	691	493	478	687	1079	1030	429	344	414		

2986_002
From 1978/10/22 to 1979/02/26.



Progressive vector diagram
2986_002



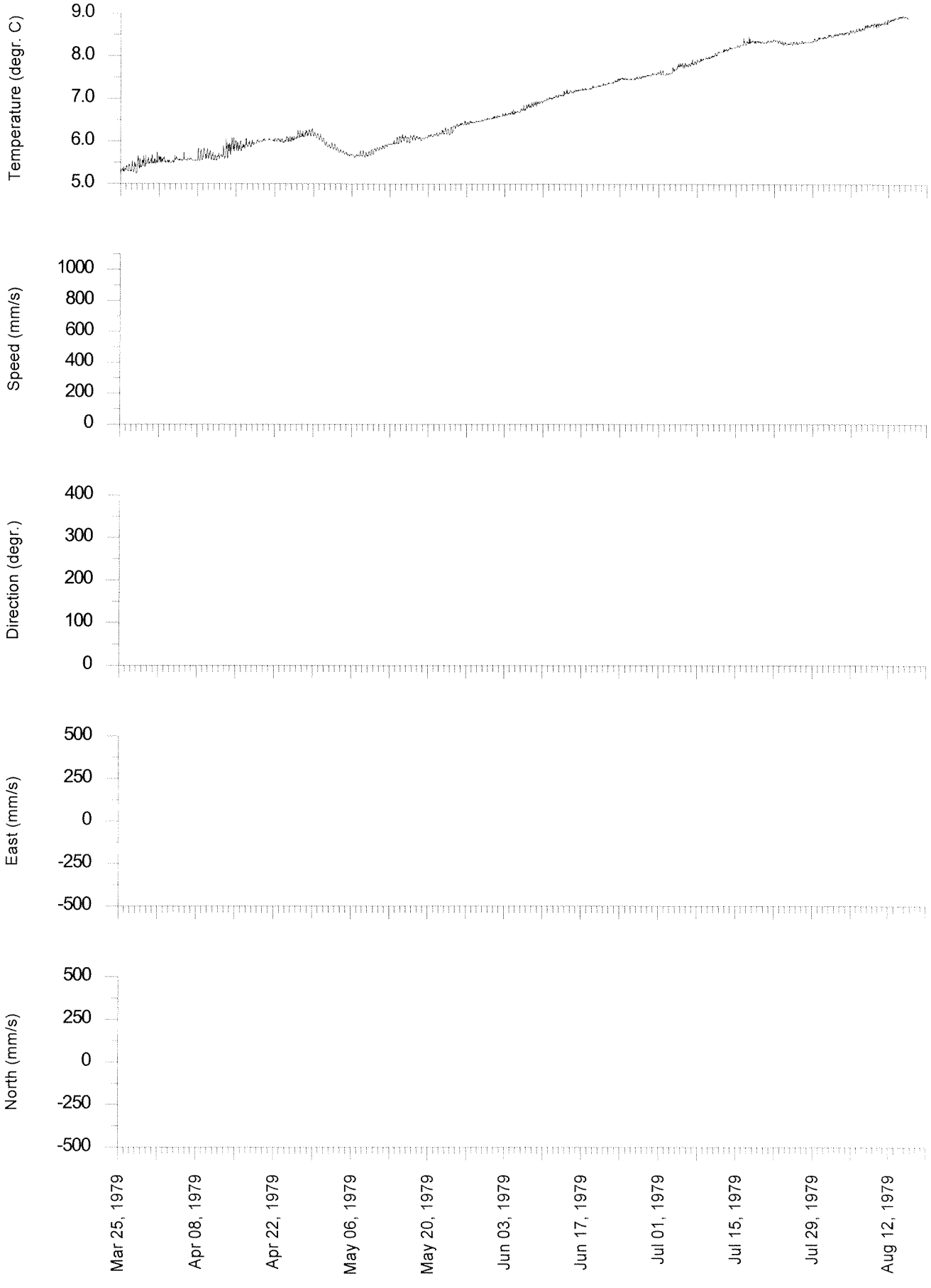
Deployment: 2986_003 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 62 19.500 N
Longitude: 7 27.700 W
Bottom depth: 98
Instrument depth: 40
Number of records: 6891
Time of first rec: 19790325 2016
Time of last rec : 19790816 0916
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	6891	0
Column 5: Speed	0	6891
Column 6: Direct	0	6891

Comments

Time of last record on tape checked and correct. Rotor was off at recovery and all records have been errorflagged for speed and direction.

2986_003
From 1979/03/25 to 1979/08/16.



Deployment: 2985_010 analyzed from beginning to end
Instrument no.: 2985
Instrument type: Aanderaa
Latitude: 62 19.400 N
Longitude: 7 28.800 W
Bottom depth: 98
Instrument depth: 40
Number of records: 5524
Time of first rec: 19791002 1200
Time of last rec : 19800519 1500
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	5524	0
Column 5: Speed	5524	0
Column 6: Direct	5523	1

Comments
Time of last record on tape checked and correct.

Residual current: 46 mm/sec towards: 46 degrees

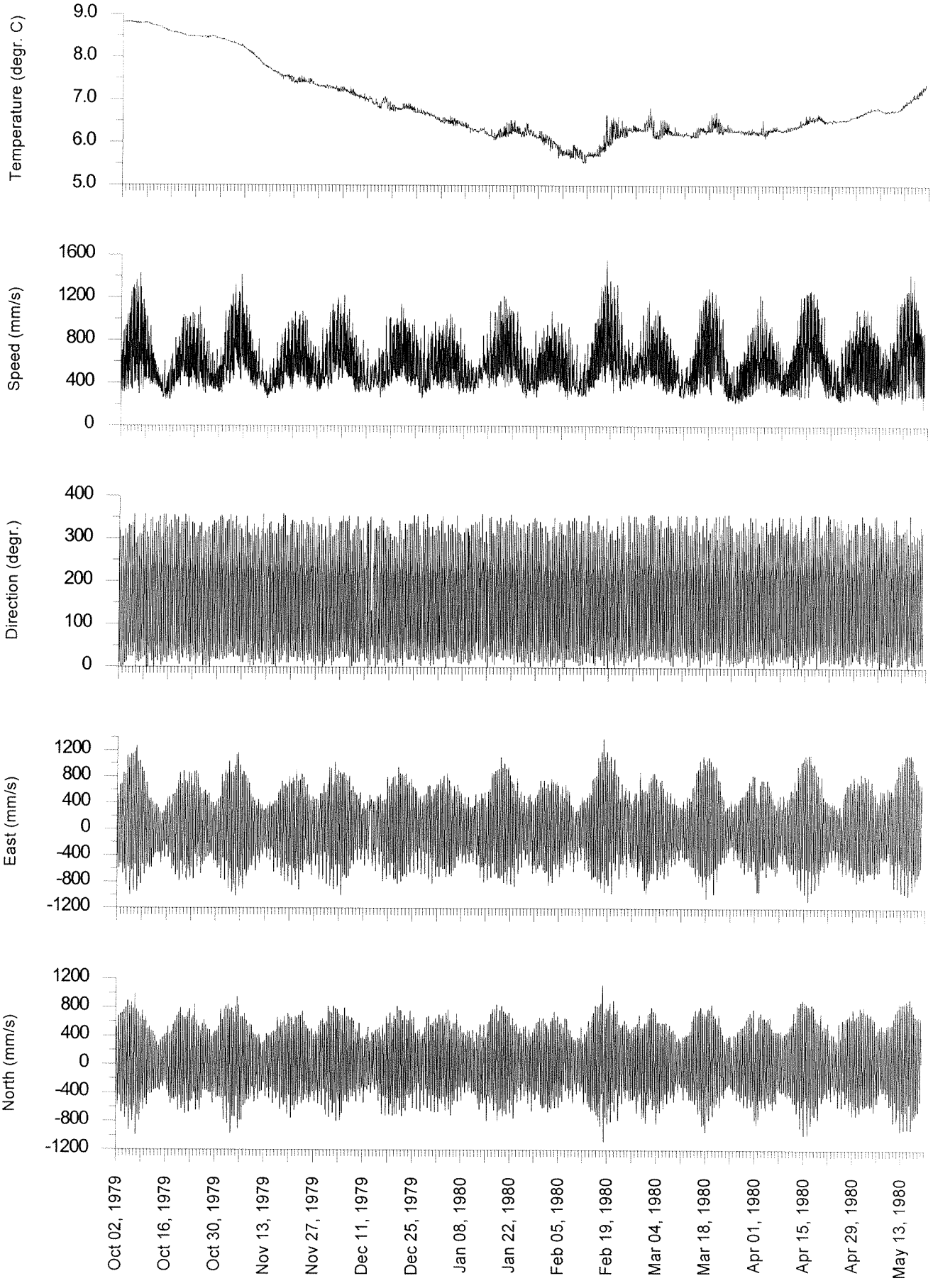
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 1, records not int.: 0
Tidal analysis performed on unfiltered data

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
MM	.00151215	36	39	5	44	36	1	9	39	C
MSF	.00282193	41	69	10	128	41	9	8	71	C
Q1	.03721850	43	253	34	230	54	10	37	245	A
O1	.03873065	82	287	64	261	102	23	37	277	A
NO1	.04026859	4	190	9	162	10	2	68	166	A
P1	.04155259	34	167	22	124	38	13	30	156	A
K1	.04178075	90	170	71	144	111	26	37	160	A
N2	.07899925	127	247	100	201	150	60	35	231	A
M2	.08051140	590	270	534	224	734	307	41	250	A
L2	.08202355	22	306	32	254	35	16	60	268	A
S2	.08333334	199	305	169	263	244	93	39	288	A
K2	.08356149	59	313	53	267	73	31	41	293	A
MK3	.12229210	8	112	5	47	8	4	21	100	A
M4	.16102280	7	284	5	44	8	4	155	90	C
MS4	.16384470	4	290	4	79	6	2	136	95	C

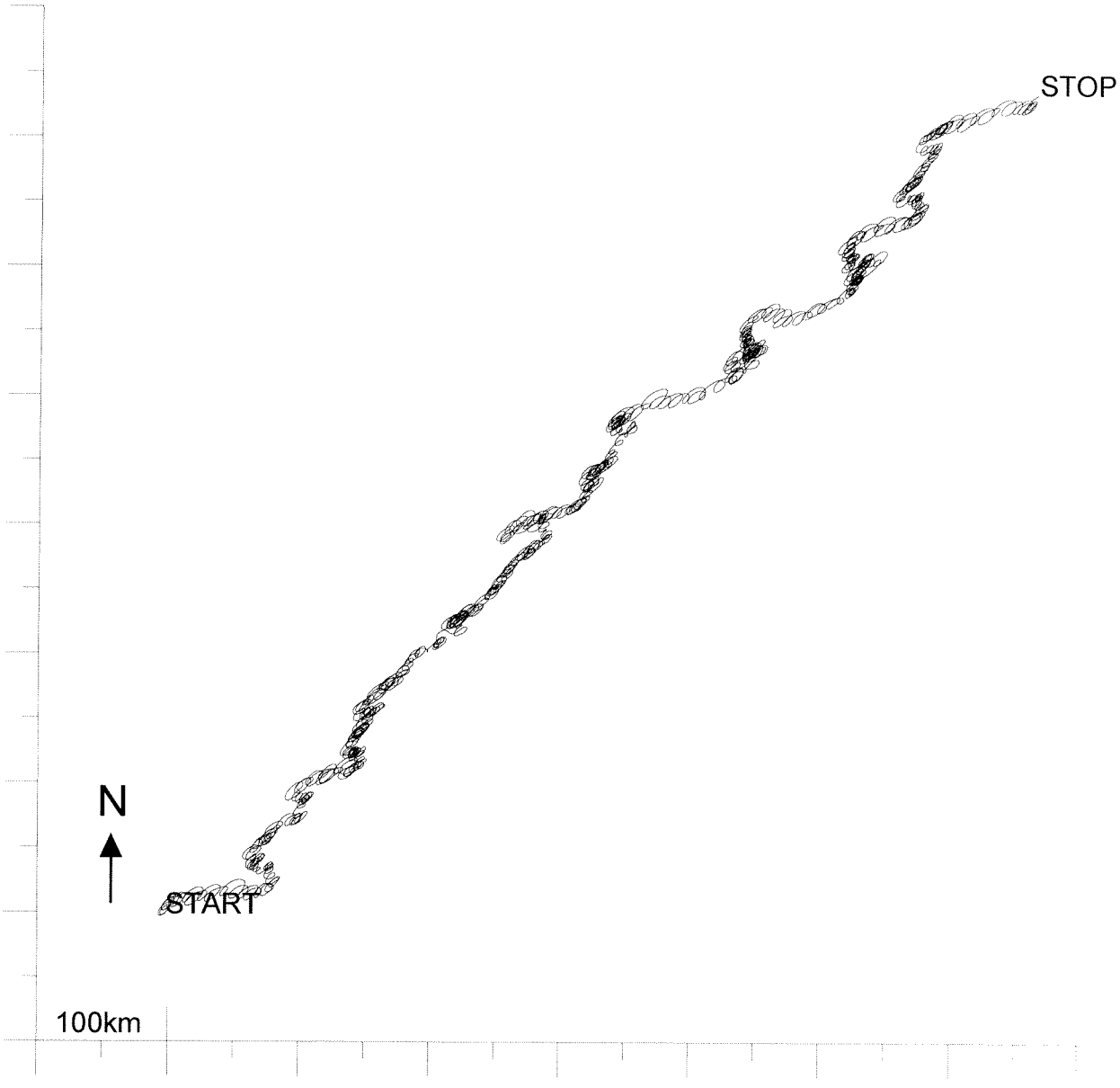
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 - 200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 - 300	1	0	1	3	6	4	1	1	1	2	5	2	34	34
300 - 400	11	5	10	11	18	13	15	9	8	16	19	15	156	191
400 - 500	28	15	17	13	9	14	19	19	20	19	12	16	207	398
500 - 600	22	30	16	6	4	6	11	28	19	7	2	4	160	559
600 - 700	14	32	12	5	1	1	8	38	17	0	0	0	134	693
700 - 800	7	29	10	2	0	0	3	36	12	0	0	0	103	796
800 - 900	2	32	11	0	0	0	1	25	5	0	0	0	78	875
900 - 1000	0	23	6	0	0	0	0	17	1	0	0	0	49	925
1000 - 1100	0	18	6	0	0	0	0	10	1	0	0	0	37	962
1100 - 1200	0	10	2	0	0	0	0	6	0	0	0	0	20	983
1200 - 1300	0	5	3	0	0	0	0	3	0	0	0	0	13	996
1300 - 1400	0	1	0	0	0	0	0	0	0	0	0	0	2	998
1400 - 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	999
1500 - 1600	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	88	208	101	43	40	42	63	197	88	47	39	39		
Rel.flux (ppt)	77	265	113	33	26	29	53	233	84	32	24	26		
Avg.spd (mm/s)	530	776	681	469	394	419	508	720	583	422	381	408		
Max.spd (mm/s)	1019	1562	1464	963	706	750	1086	1325	1152	709	676	605		

2985_010
From 1979/10/02 to 1980/05/19.



Progressive vector diagram
2985_010



Deployment: GS13_001 analyzed from beginning to end
Instrument no.: GS13
Instrument type: SensorData
Latitude: 62 27.000 N
Longitude: 6 10.100 W
Bottom depth: 92
Instrument depth: 43
Number of records: 725
Time of first rec: 19860605 1820
Time of last rec : 19860615 1940
Time between records (min.): 20.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	725	0
Column 5: Speed	725	0
Column 6: Direct	725	0

Comments

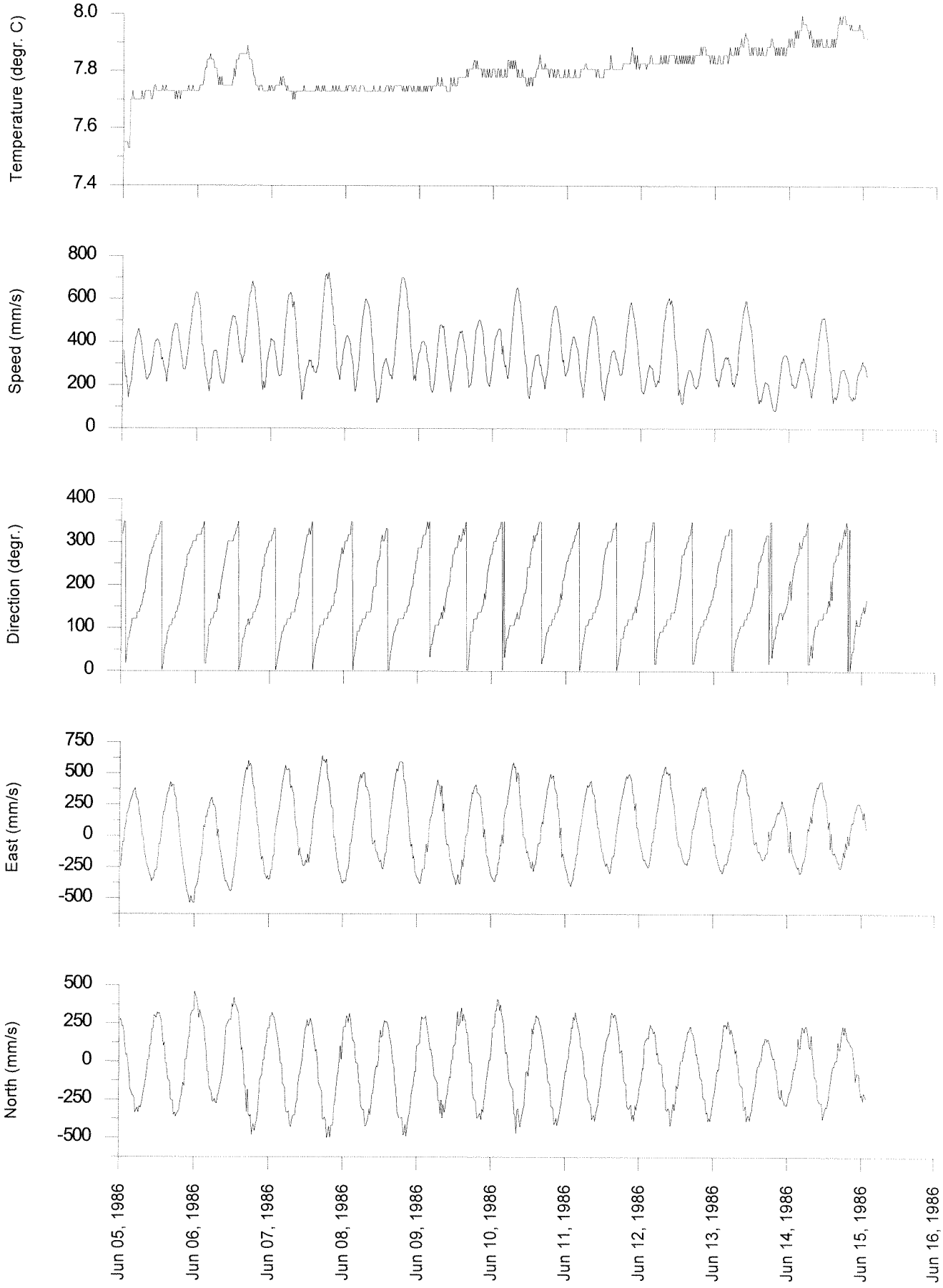
Residual current: 75 mm/sec towards: 123 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

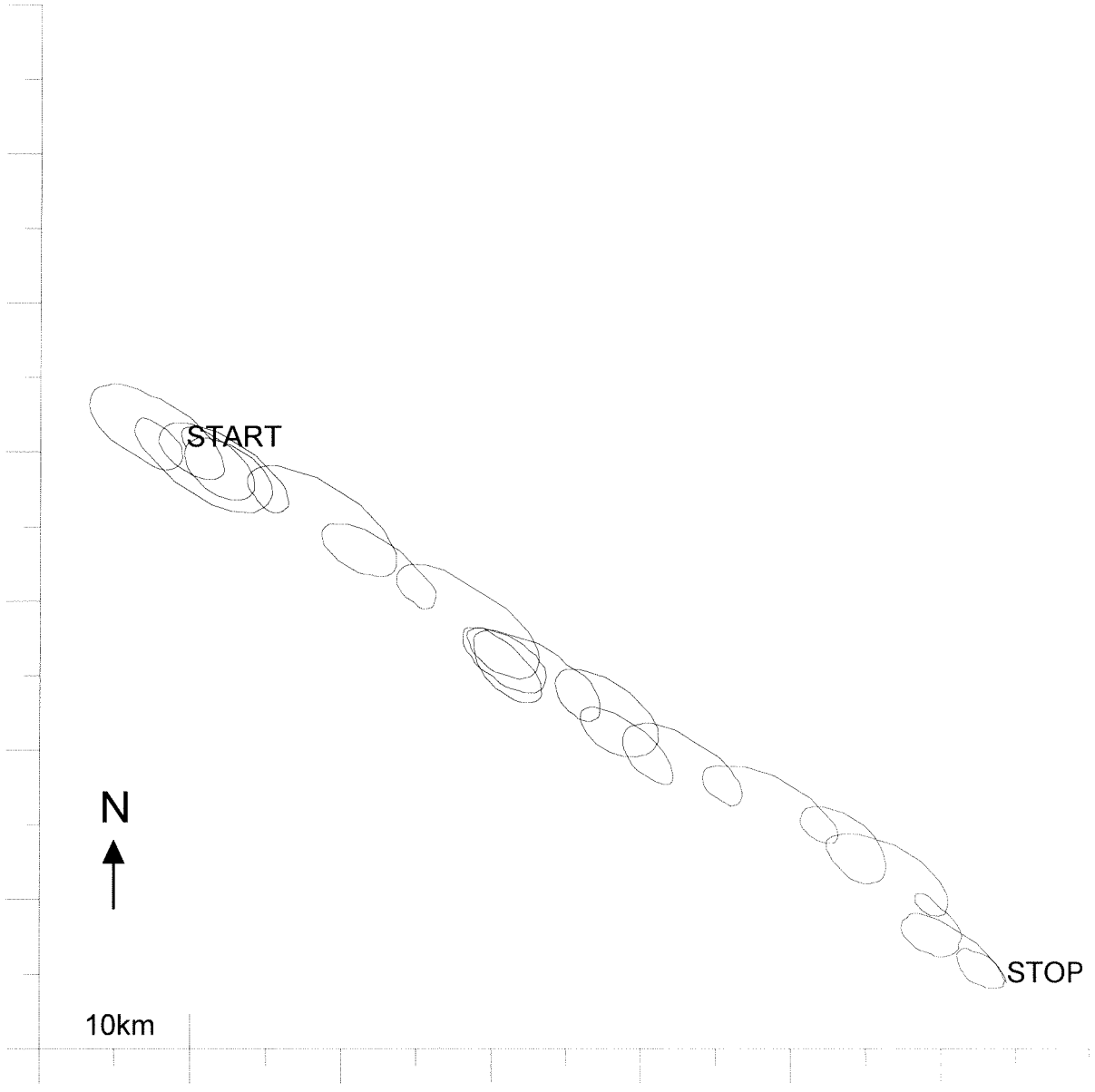
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals												All dir.	
	15	45	75	105	135	165	195	225	255	285	315	345	Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	1	2	0	0	0	0	0	0	0	0	0	4	4
100 - 150	1	8	2	1	0	1	2	2	13	1	0	2	38	42
150 - 200	11	8	8	1	0	0	8	11	15	12	1	1	78	121
200 - 300	28	20	35	23	8	17	34	22	26	28	41	37	325	446
300 - 400	4	1	8	28	26	34	9	1	2	35	35	34	223	670
400 - 500	0	0	1	34	55	23	1	0	0	6	44	6	173	844
500 - 600	0	0	0	24	64	4	0	0	0	2	9	0	106	950
600 - 700	0	0	0	5	34	0	0	0	0	0	5	0	45	995
700 - 800	0	0	0	0	4	0	0	0	0	0	0	0	4	1000
Total (ppt)	45	40	59	120	193	81	56	37	57	88	137	82		
Rel.flux (ppt)	30	23	41	141	282	85	40	22	34	76	148	71		
Avg.spd (mm/s)	234	205	241	409	508	364	249	212	207	300	372	300		
Max.spd (mm/s)	344	303	406	669	724	563	402	320	344	563	631	474		

GS13_001
From 1986/06/05 to 1986/06/15.



Progressive vector diagram
GS13_001 NANSEN PROJEKT juni 1986



Deployment: A309_M94 analyzed from beginning to end
Instrument no.: I0309
Instrument type: Aanderaa
Latitude: 62 29.410 N
Longitude: 6 09.510 W
Bottom depth: 96
Instrument depth: 20
Number of records: 3539
Time of first rec: 19940306 0950
Time of last rec : 19940424 1310
Time between records (min.): 20.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3374	165
Column 5: Speed	3374	165
Column 6: Direct	3374	165

Comments

In late March 1994 the instrument was fished up, but it was redeployed two days later at the same location. All data are errorflagged in this period.

Residual current: 62 mm/sec towards: 135 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 165
Tidal analysis on data passed through 3 filters: A3, A4, and A4

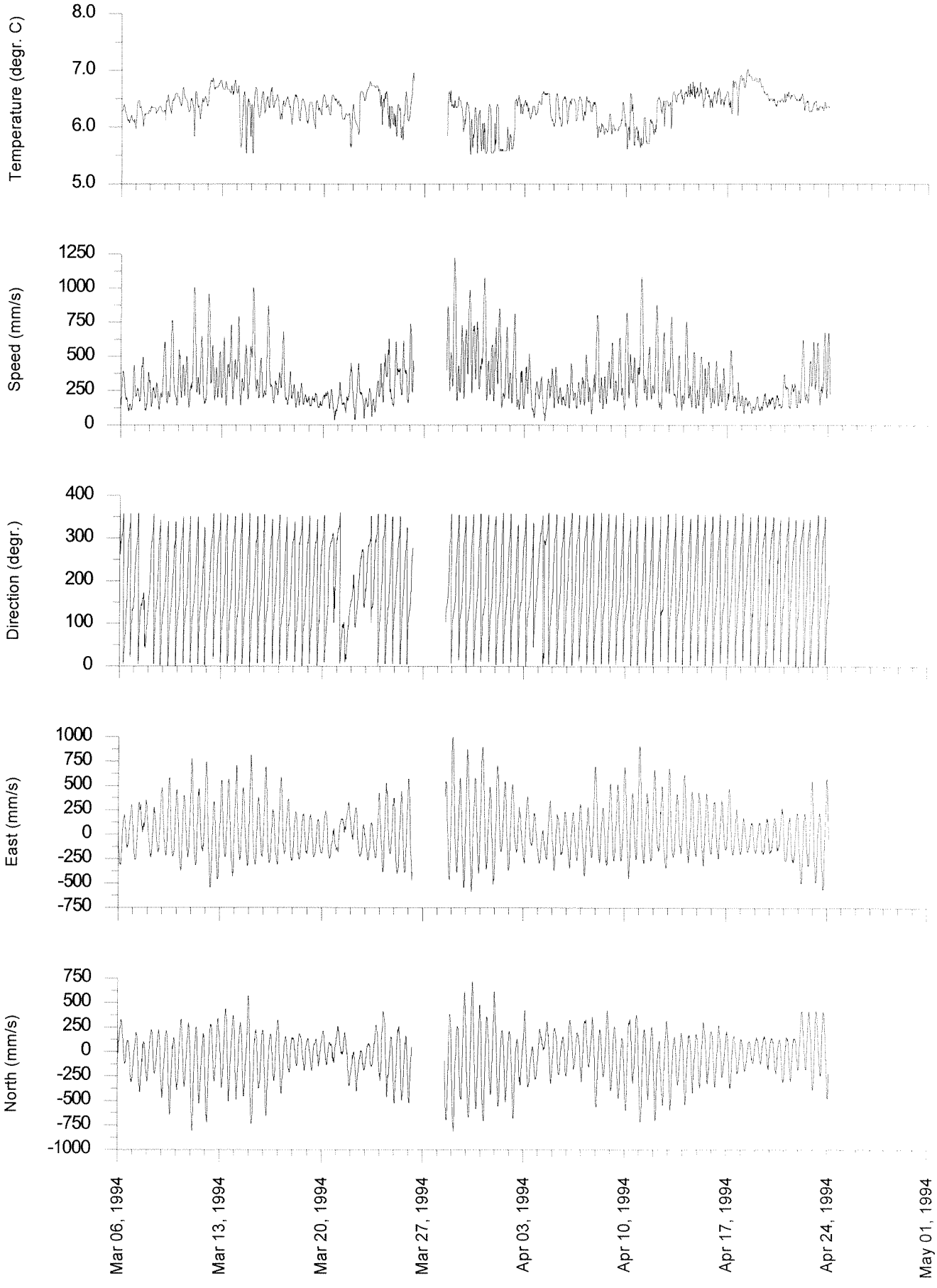
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	27	101	11	280	29	0	158	281	C	
MSF	.00282193	57	64	45	227	72	10	142	238	C	
Q1	.03721850	39	340	27	180	47	8	147	166	A	
O1	.03873065	70	30	49	244	83	24	147	220	A	
NO1	.04026859	7	32	7	302	7	7	53	339	A	
P1	.04155259	17	272	10	111	20	3	150	97	A	I
K1	.04178075	55	288	27	128	61	9	154	112	A	
N2	.07899925	86	301	79	161	110	40	138	139	A	
M2	.08051140	328	323	298	196	396	198	140	166	A	
L2	.08202355	1	142	11	329	11	0	97	329	A	
S2	.08333334	117	7	108	237	144	67	139	209	A	
K2	.08356149	32	7	29	237	39	18	139	209	A	I
MK3	.12229210	15	273	12	129	18	6	143	106	A	
M4	.16102280	21	292	28	157	32	13	124	142	A	
MS4	.16384470	14	337	22	192	25	7	121	183	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

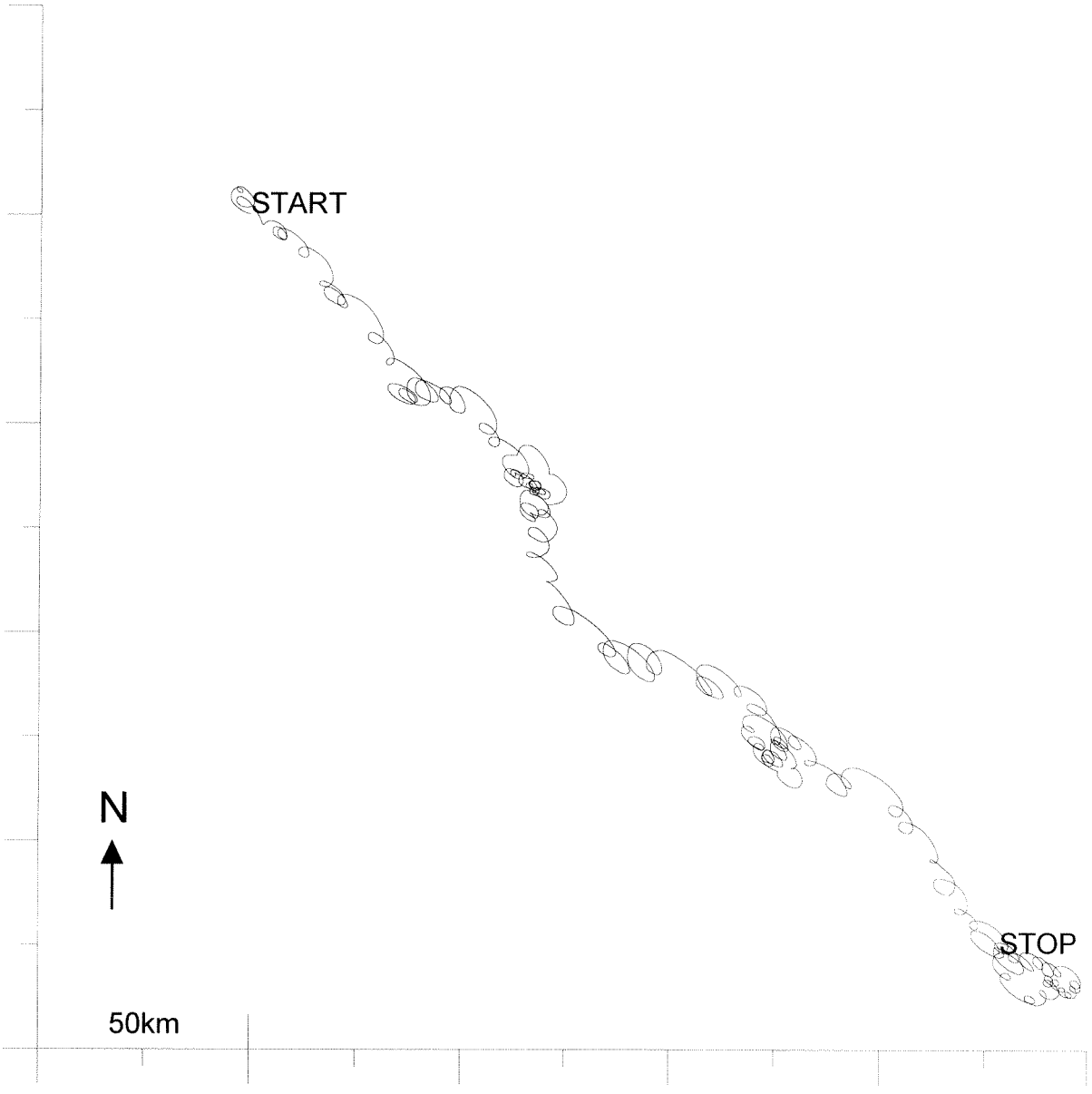
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals												All dir.	
	15	45	75	105	135	165	195	225	255	285	315	345	Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	2	2
50 - 100	2	1	0	0	0	1	1	0	1	1	0	0	14	16
100 - 150	13	10	7	5	3	6	9	14	14	9	7	8	109	126
150 - 200	15	15	13	8	9	10	13	15	19	28	15	10	176	302
200 - 300	22	15	20	24	16	26	23	17	24	54	34	18	298	601
300 - 400	9	5	9	19	21	20	8	2	5	19	25	12	159	760
400 - 500	2	1	3	18	24	10	1	0	0	8	17	5	94	855
500 - 600	1	0	1	11	19	8	0	0	0	4	7	1	56	911
600 - 700	0	0	0	8	17	4	0	0	0	0	5	1	38	950
700 - 800	0	0	0	5	13	2	0	0	0	0	0	0	22	973
800 - 900	0	0	0	2	10	0	0	0	0	0	0	0	13	986
900 - 1000	0	0	0	1	6	0	0	0	0	0	0	0	8	994
1000 - 1100	0	0	0	0	3	0	0	0	0	0	0	0	4	998
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	1	999
1200 - 1300	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	68	50	56	106	149	92	58	51	64	128	113	59		
Rel.flux (ppt)	49	33	44	135	247	99	41	32	41	107	114	52		
Avg.spd (mm/s)	229	211	249	402	522	341	226	197	203	263	320	276		
Max.spd (mm/s)	674	537	671	1136	1226	900	441	412	400	682	720	726		

A309_M94
From 1994/03/06 to 1994/04/24.



Progressive vector diagram
A309_M94



Deployment: GS03_002 analyzed from beginning to end
Instrument no.: GS03
Instrument type: SensorData
Latitude: 62 40.600 N
Longitude: 6 9.600 W
Bottom depth: 195
Instrument depth: 45
Number of records: 723
Time of first rec: 19860605 2100
Time of last rec : 19860615 2140
Time between records (min.): 20.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	723	0
Column 5: Speed	723	0
Column 6: Direct	720	3

Comments

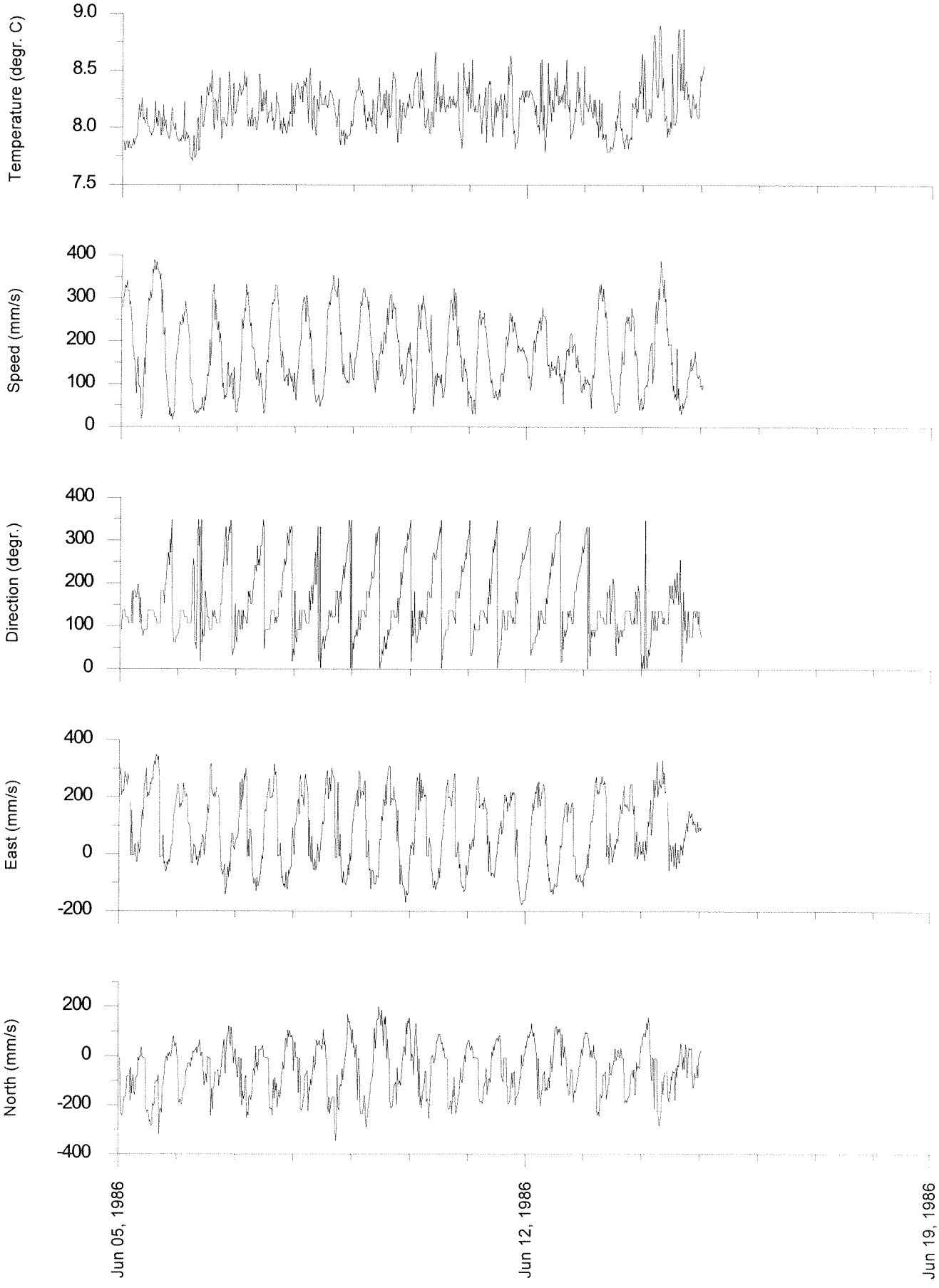
Residual current: 101 mm/sec towards: 123 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

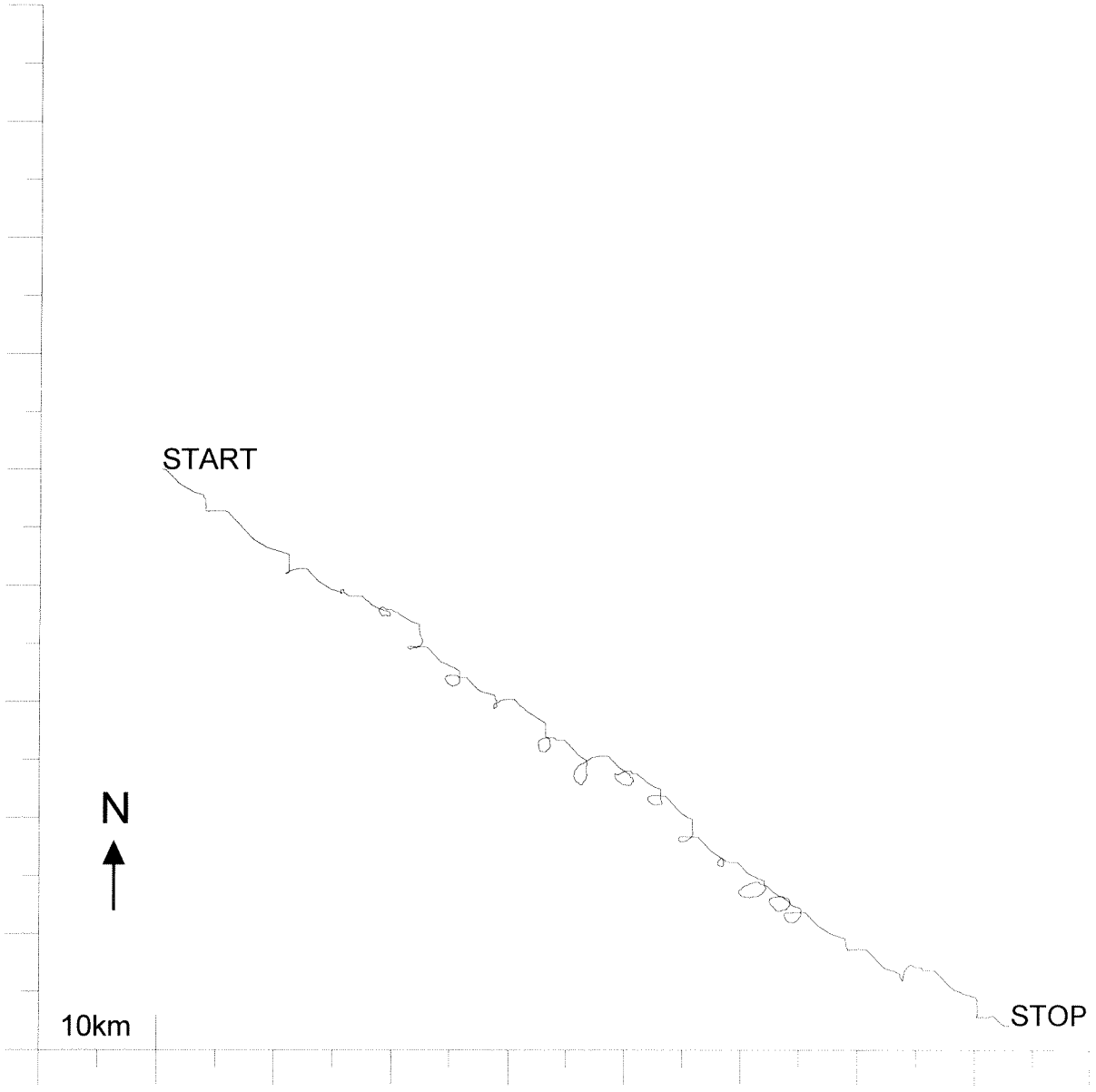
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	6	9	8	9	1	5	2	0	6	4	5	6	67	67
50 - 100	11	20	12	16	9	8	20	11	12	13	11	15	163	230
100 - 150	8	9	22	22	18	19	18	20	29	26	19	15	228	459
150 - 200	2	9	19	36	13	23	22	11	5	5	9	8	170	629
200 - 300	1	4	18	101	125	6	20	0	0	0	0	0	278	907
300 - 400	0	0	1	18	69	0	4	0	0	0	0	0	92	1000
Total (ppt)	30	54	81	204	237	63	88	43	54	50	45	45		
Rel.flux (ppt)	17	34	69	244	350	52	82	29	33	30	28	26		
Avg.spd (mm/s)	96	109	146	207	255	142	161	120	107	107	109	98		
Max.spd (mm/s)	201	238	307	365	389	262	348	184	187	177	197	174		

GS03_002
From 1986/06/05 to 1986/06/15.



Progressive vector diagram
GS03_002 NANSEN PROJEKT juni 1986



Deployment: GS11_001 analyzed from beginning to end
Instrument no.: GS11
Instrument type: SensorData
Latitude: 62 40.600 N
Longitude: 6 9.600 W
Bottom depth: 195
Instrument depth: 95
Number of records: 724
Time of first rec: 19860605 2100
Time of last rec : 19860615 2200
Time between records (min.): 20.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	724	0
Column 5: Speed	724	0
Column 6: Direct	724	0

Comments

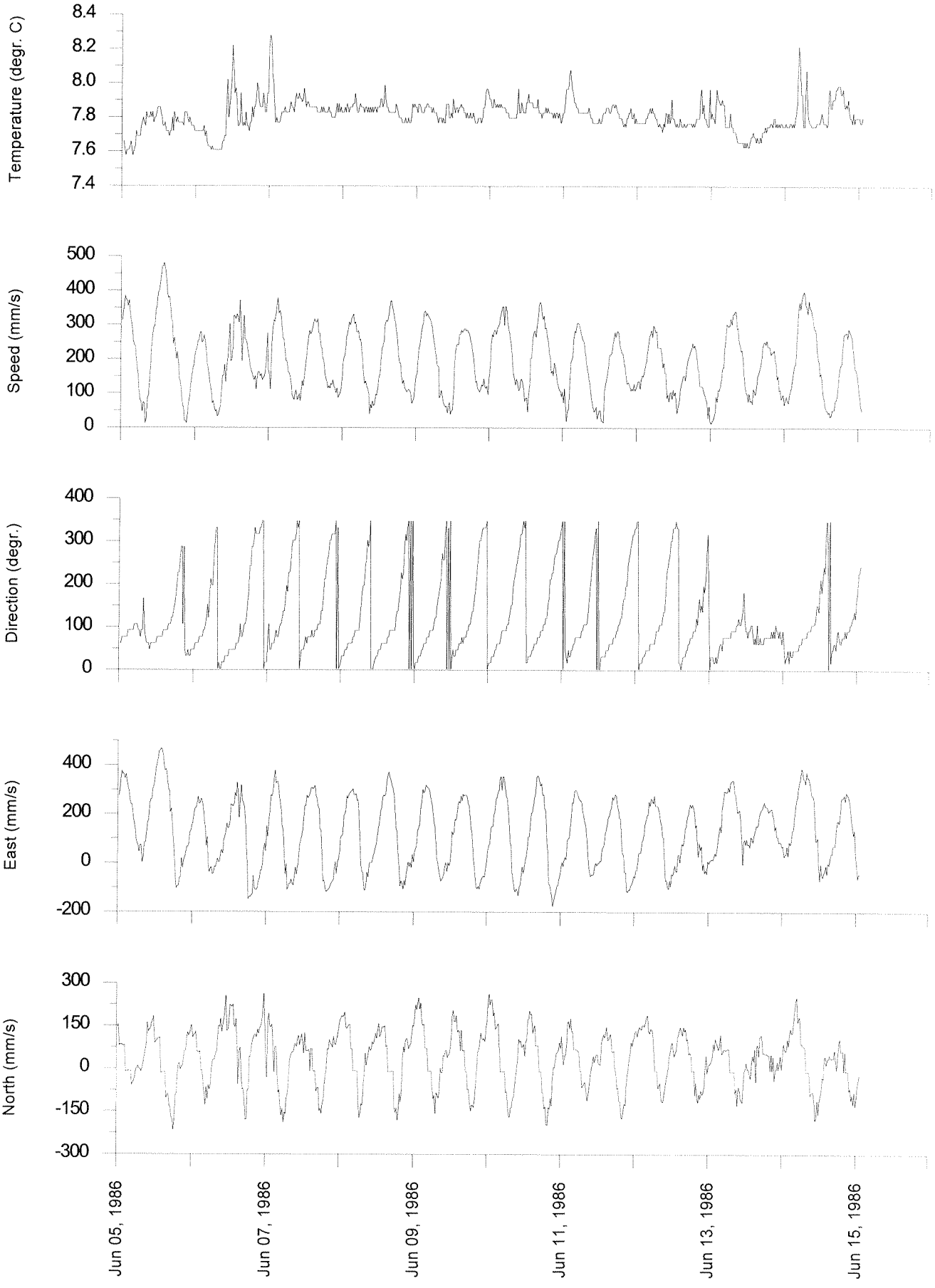
Residual current: 129 mm/sec towards: 74 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

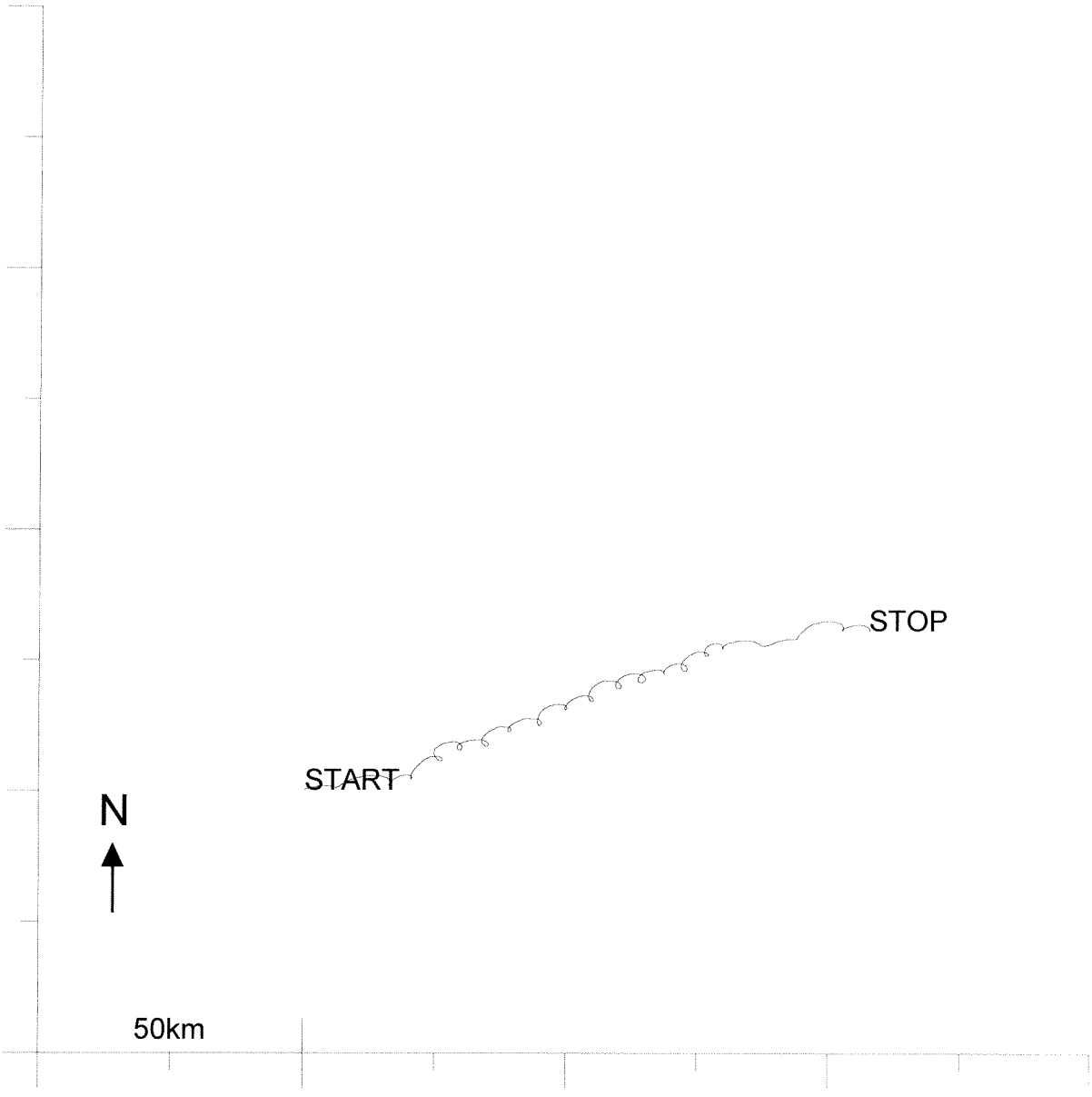
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	9	11	1	2	0	2	0	0	0	8	0	9	45	45
50 - 100	26	12	11	15	0	1	11	12	11	6	13	27	149	194
100 - 150	26	23	11	6	6	11	15	16	13	16	34	24	207	401
150 - 200	12	33	11	15	22	13	8	6	4	1	2	1	132	534
200 - 300	8	56	109	92	30	8	0	0	0	0	0	0	305	839
300 - 400	0	13	88	48	0	0	0	0	0	0	0	0	150	990
400 - 500	0	0	6	2	0	0	0	0	0	0	0	0	9	1000
Total (ppt)	82	150	238	183	59	37	34	35	29	33	51	63		
Rel.flux (ppt)	48	148	340	237	60	30	22	22	16	15	28	29		
Avg.spd (mm/s)	114	191	276	250	197	157	124	119	107	90	109	91		
Max.spd (mm/s)	276	368	481	464	266	221	187	191	180	153	163	156		

GS11_001
From 1986/06/05 to 1986/06/15.



Progressive vector diagram
GS11_001 NANSEN PROJEKT juni 1986



Deployment: 7075_008 analyzed from beginning to end
Instrument no.: 7075
Instrument type: Aanderaa
Latitude: 62 40.600 N
Longitude: 6 9.620 W
Bottom depth: 195
Instrument depth: 170
Number of records: 1447
Time of first rec: 19860605 2105
Time of last rec : 19860615 2205
Time between records (min.): 10.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	1447	0
Column 5: Speed	1447	0
Column 6: Direct	1447	0
Column 7: Salt	1447	0

Comments
Time of last record on tape checked and correct. Salinity was not calibrated and absolute values are not reliable.

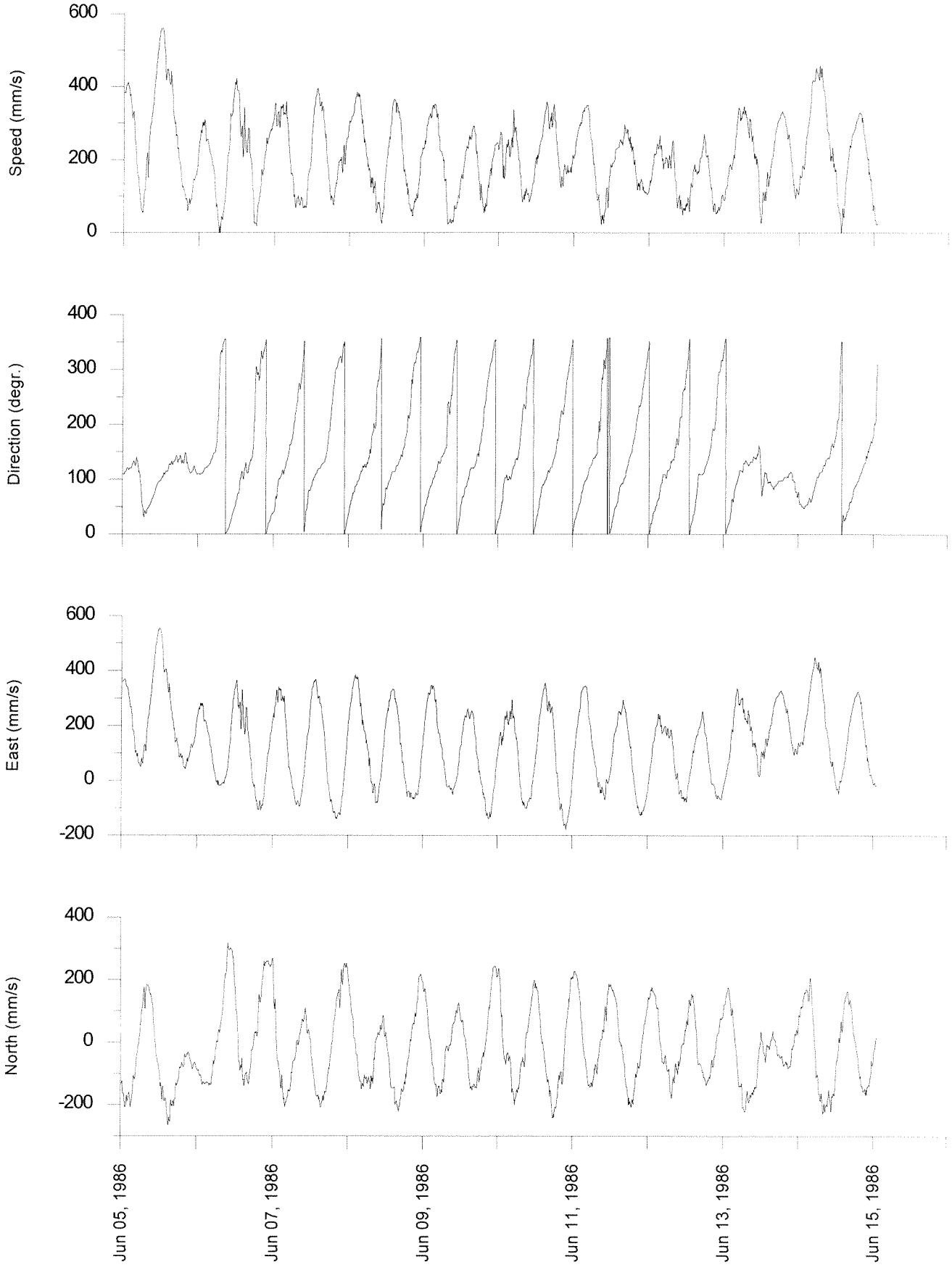
Residual current: 135 mm/sec towards: 97 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

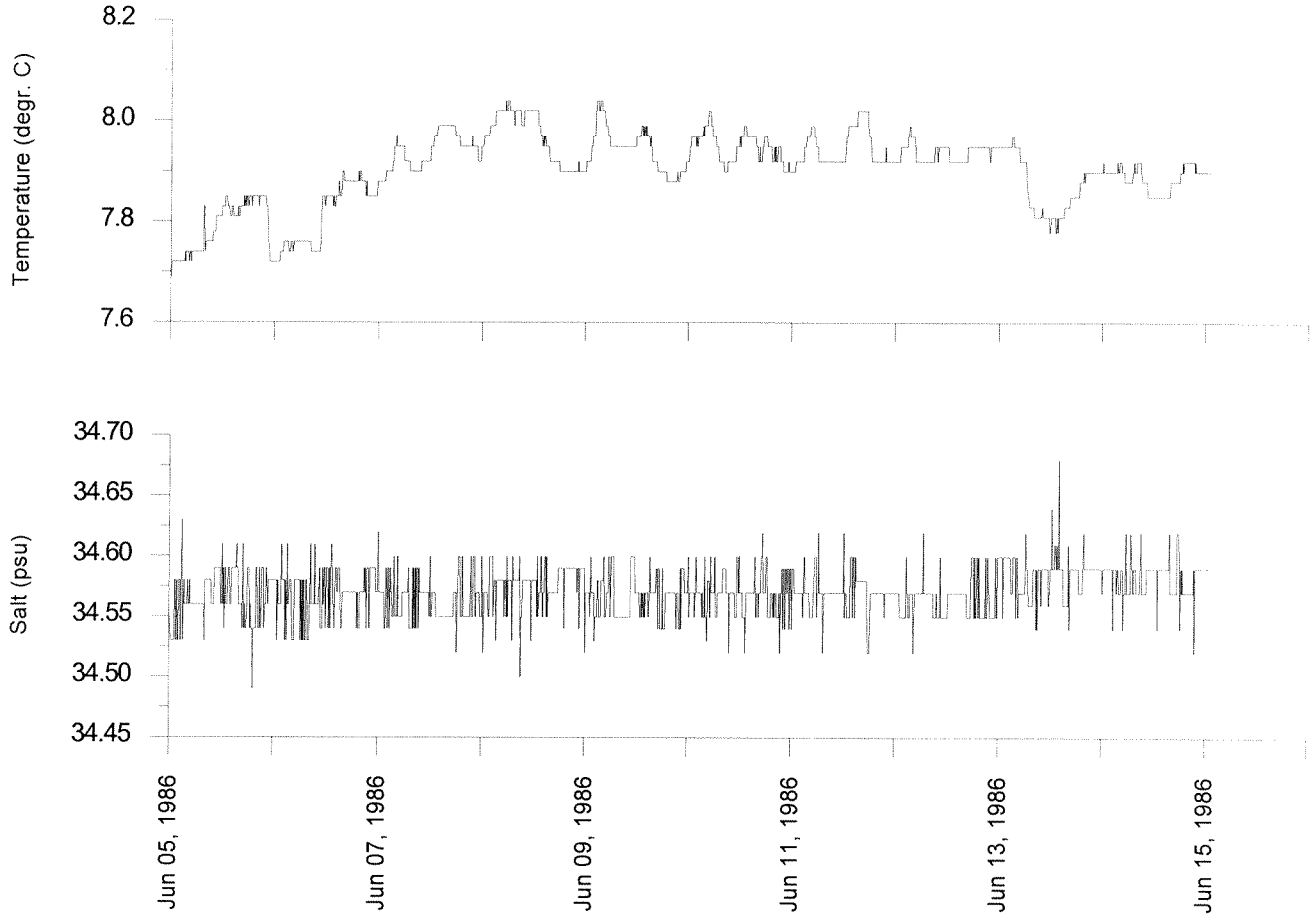
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	3	5	6	4	6	4	4	39	39
50 - 100	5	2	2	7	8	11	19	16	13	17	13	13	134	173
100 - 150	13	5	8	11	17	15	13	11	4	11	11	11	136	310
150 - 200	18	23	12	19	35	20	0	4	2	3	17	5	164	474
200 - 300	31	46	40	73	95	5	0	0	0	0	1	12	306	780
300 - 400	3	14	30	91	35	0	0	0	0	0	0	0	174	955
400 - 500	0	3	8	18	4	0	0	0	0	0	0	0	35	991
500 - 600	0	0	0	8	0	0	0	0	0	0	0	0	8	1000
Total (ppt)	72	96	103	231	197	57	38	39	25	38	49	48		
Rel.flux (ppt)	66	108	132	320	217	37	15	17	9	16	28	30		
Avg.spd (mm/s)	193	236	271	293	232	136	84	91	81	90	119	132		
Max.spd (mm/s)	332	422	501	561	442	237	157	187	180	184	207	260		

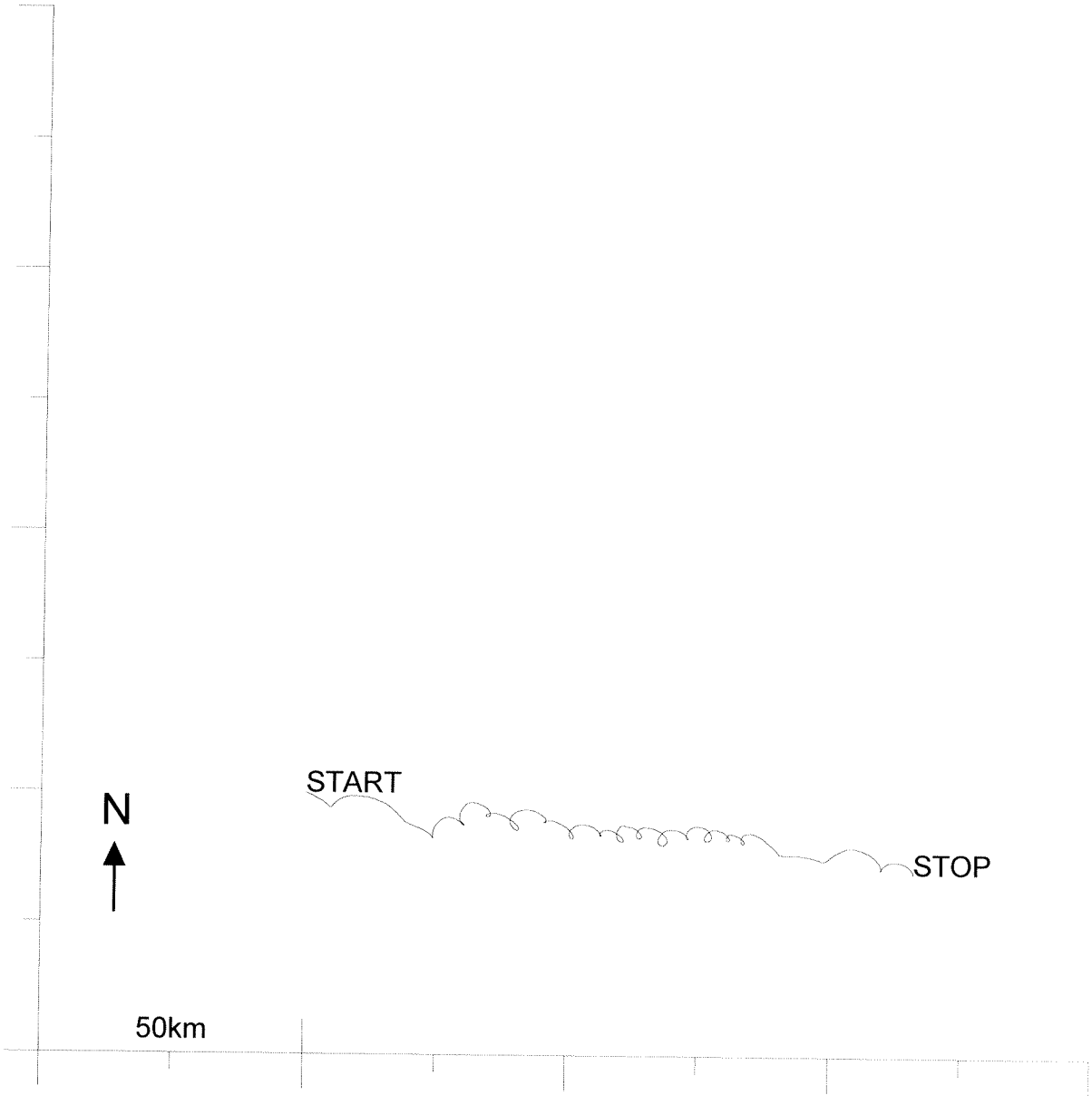
7075_008
From 1986/06/05 to 1986/06/15.



7075_008
From 1986/06/05 to 1986/06/15.



Progressive vector diagram
7075_008 Nansen projekt juni 1986



Deployment: 9493_001 analyzed from beginning to end
Instrument no.: 9493
Instrument type: Aanderaa
Latitude: 62 52.700 N
Longitude: 6 4.300 W
Bottom depth: 702
Instrument depth: 150
Number of records: 3381
Time of first rec: 19890521 1720
Time of last rec : 19890707 1600
Time between records (min.): 20.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3381	0
Column 5: Speed	3381	0
Column 6: Direct	3381	0
Column 7: Salt	3381	0
Column 8: Press	3381	0

Comments

Residual current: 229 mm/sec towards: 97 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A3, A4, and A4

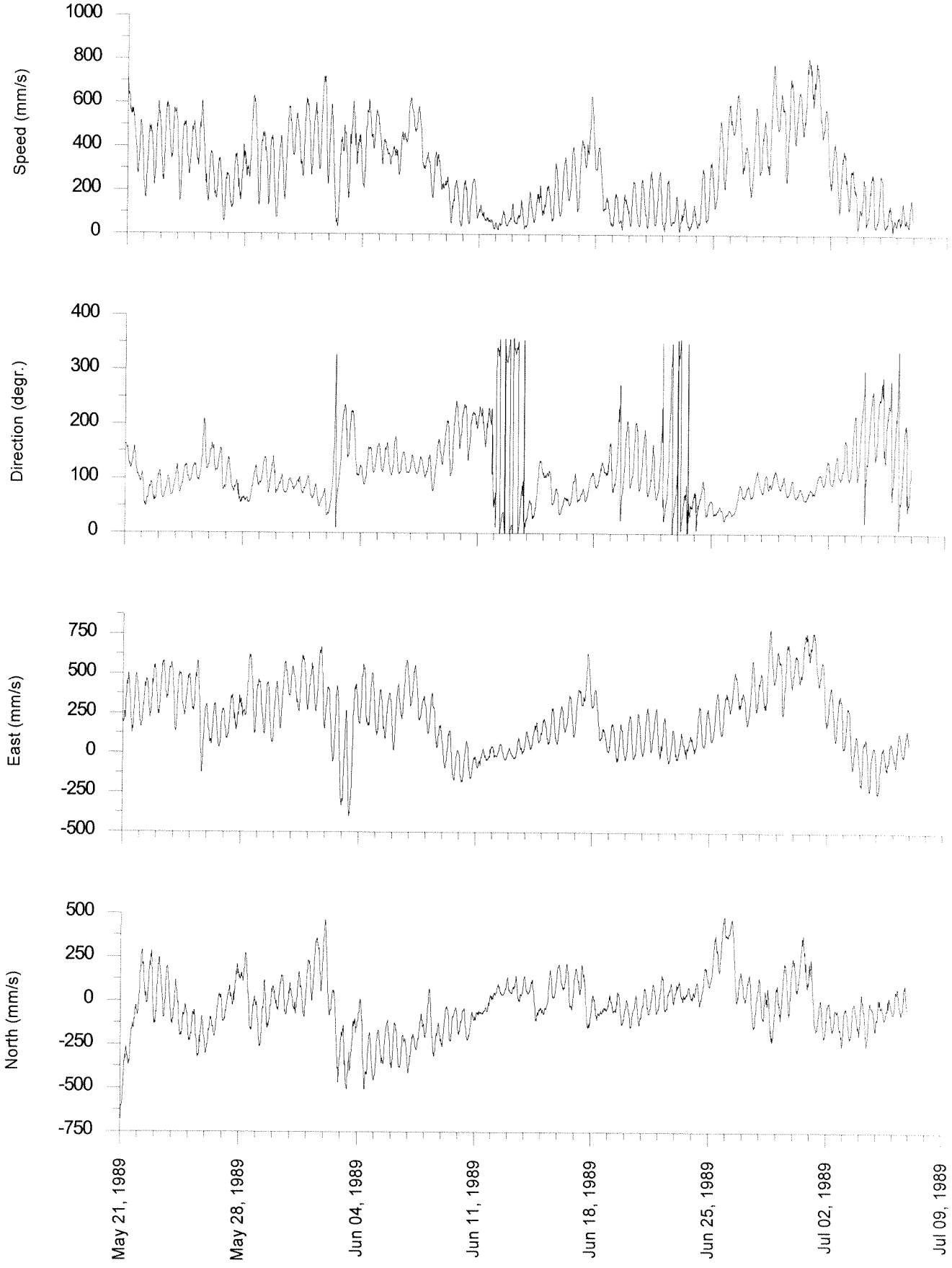
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	135	359	66	300	140	55	17	352	A	
MSF	.00282193	80	315	86	255	102	58	49	282	A	
Q1	.03721850	12	40	6	10	13	3	26	34	A	
O1	.03873065	17	67	9	323	17	9	170	253	A	
NO1	.04026859	8	280	5	355	8	5	16	290	C	
P1	.04155259	3	274	3	167	3	2	132	134	A	I
K1	.04178075	8	293	8	186	10	7	136	148	A	
N2	.07899925	29	317	24	251	32	20	32	296	A	
M2	.08051140	116	328	79	272	127	59	28	314	A	
L2	.08202355	16	183	12	139	19	7	33	170	A	
S2	.08333334	43	12	18	333	45	11	19	7	A	
K2	.08356149	12	12	5	333	12	3	19	7	A	I
MK3	.12229210	3	260	4	104	5	1	124	96	A	
M4	.16102280	2	125	5	223	5	2	93	224	C	
MS4	.16384470	1	104	1	209	1	1	114	227	C	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

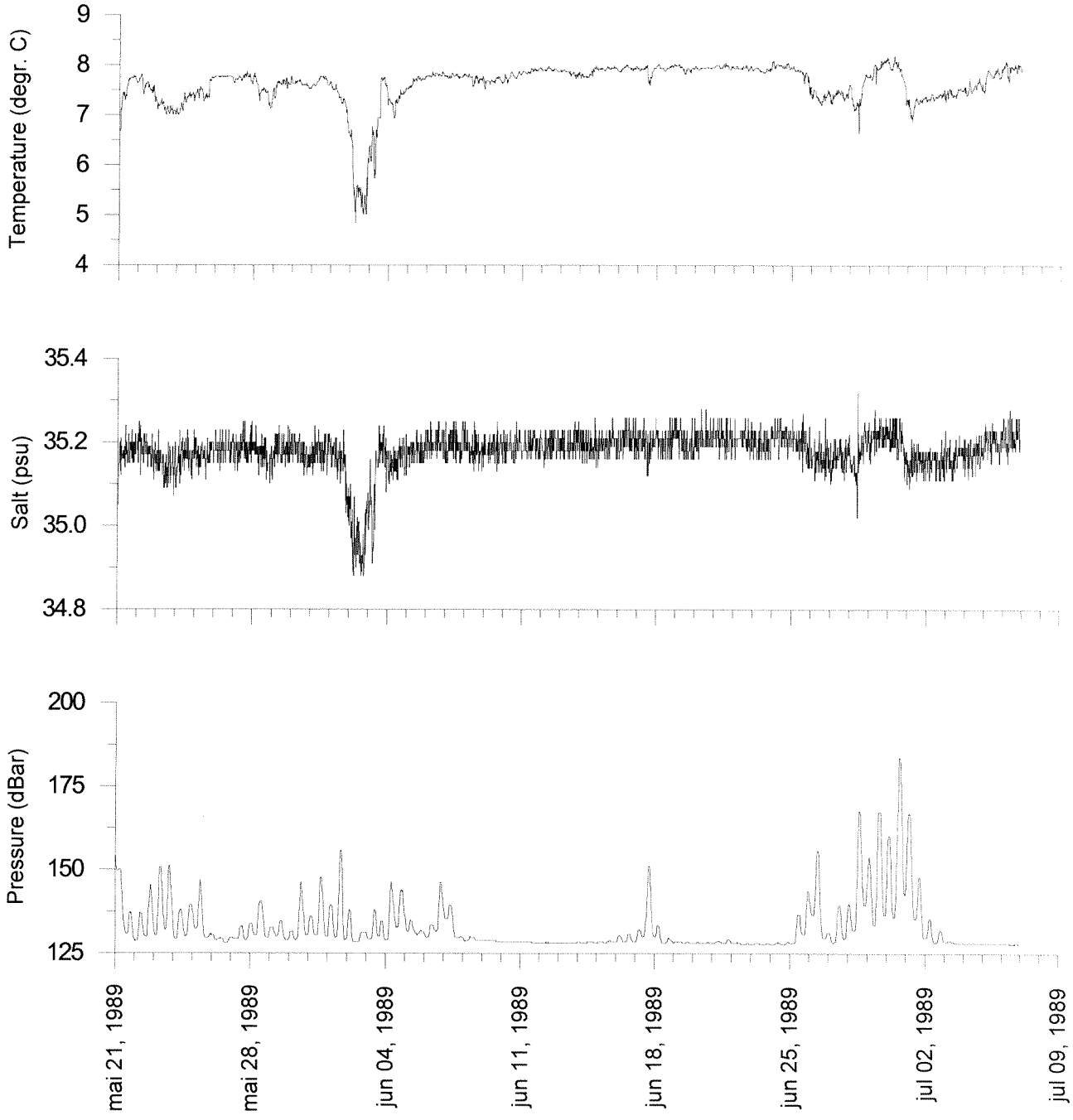
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	6	5	5	1	5	10	5	2	0	2	3	6	56	56
50 - 100	11	15	12	13	12	10	19	13	3	0	5	9	130	186
100 - 150	5	18	14	20	14	5	6	8	0	0	0	0	96	282
150 - 200	0	10	18	20	12	6	5	3	2	0	0	0	80	362
200 - 300	0	17	39	43	23	11	10	13	3	0	0	0	163	526
300 - 400	1	15	51	56	30	13	1	1	0	0	0	0	171	698
400 - 500	0	13	41	48	20	6	2	3	0	0	0	0	136	834
500 - 600	0	13	41	38	11	2	0	1	0	0	0	0	109	944
600 - 700	0	5	20	9	0	2	0	0	0	0	0	0	38	982
700 - 800	0	0	14	1	0	0	0	0	0	0	0	0	16	998
800 - 900	0	0	1	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	27	115	261	254	130	70	52	46	11	3	8	15		
Rel.flux (ppt)	9	107	339	295	124	56	26	29	6	0	1	3		
Avg.spd (mm/s)	100	276	387	346	283	237	149	190	153	56	51	59		
Max.spd (mm/s)	406	697	816	775	615	711	557	607	278	121	69	98		

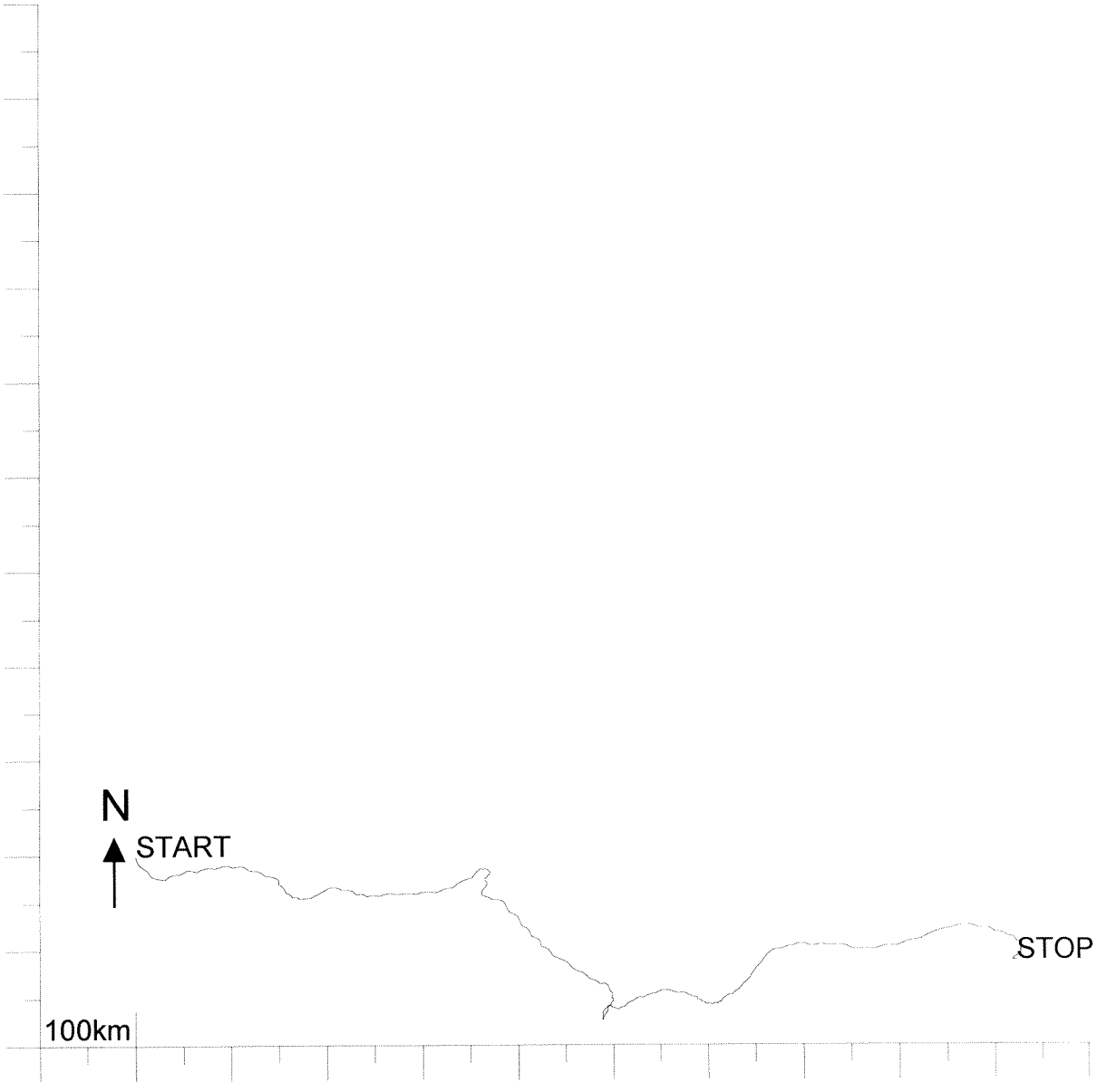
9493_001
From 1989/05/21 to 1989/07/07.



9493_001
From 1989/05/21 to 1989/07/07.



Progressive vector diagram
9493_001 NANSEN 1989



Deployment: 2984_001 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 56.400 N
Longitude: 6 6.500 W
Bottom depth: 127
Instrument depth: 40
Number of records: 4285
Time of first rec: 19780124 1013
Time of last rec : 19780423 1613
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4285	0
Column 5: Speed	4285	0
Column 6: Direct	4285	0

Comments
Time of last record on tape checked and correct.

Residual current: 62 mm/sec towards: 184 degrees

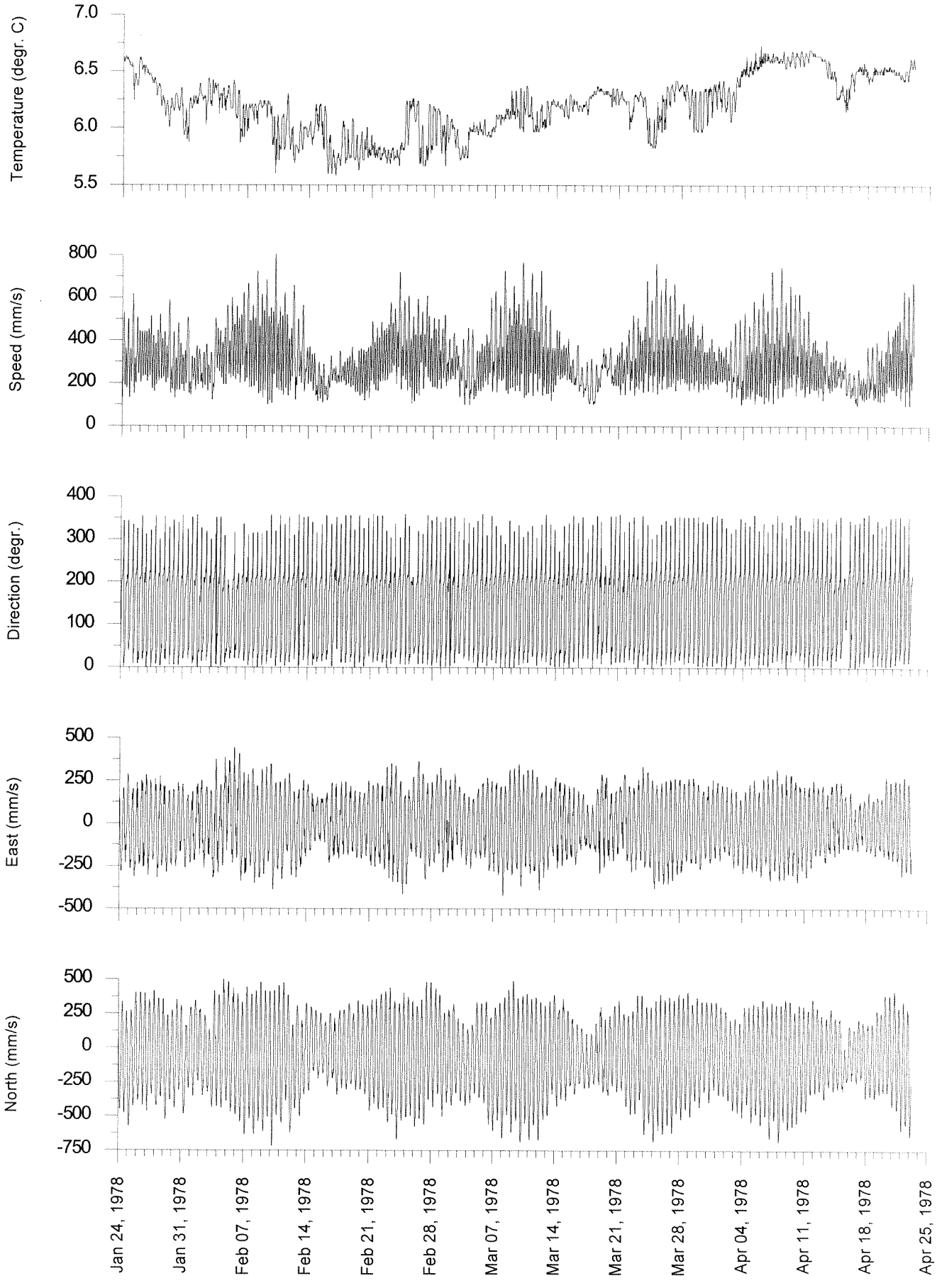
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	4	283	13	249	14	2	77	251	A	
MSF	.00282193	11	245	27	209	28	6	71	213	A	
Q1	.03721850	8	226	11	209	13	2	53	215	A	
O1	.03873065	18	264	40	253	44	3	66	255	A	
NO1	.04026859	5	183	11	104	11	5	84	107	A	
P1	.04155259	7	139	12	111	13	3	61	118	A	I
K1	.04178075	18	157	37	127	40	9	65	132	A	
N2	.07899925	35	214	60	181	67	17	62	189	A	
M2	.08051140	214	257	347	216	387	126	62	226	A	
L2	.08202355	8	348	12	269	12	7	79	275	A	
S2	.08333334	67	285	111	256	126	29	60	263	A	
K2	.08356149	18	285	30	256	34	8	60	263	A	I
MK3	.12229210	5	76	1	94	5	0	10	76	C	
M4	.16102280	6	141	3	76	6	3	16	133	A	
MS4	.16384470	3	202	3	228	4	1	42	214	C	

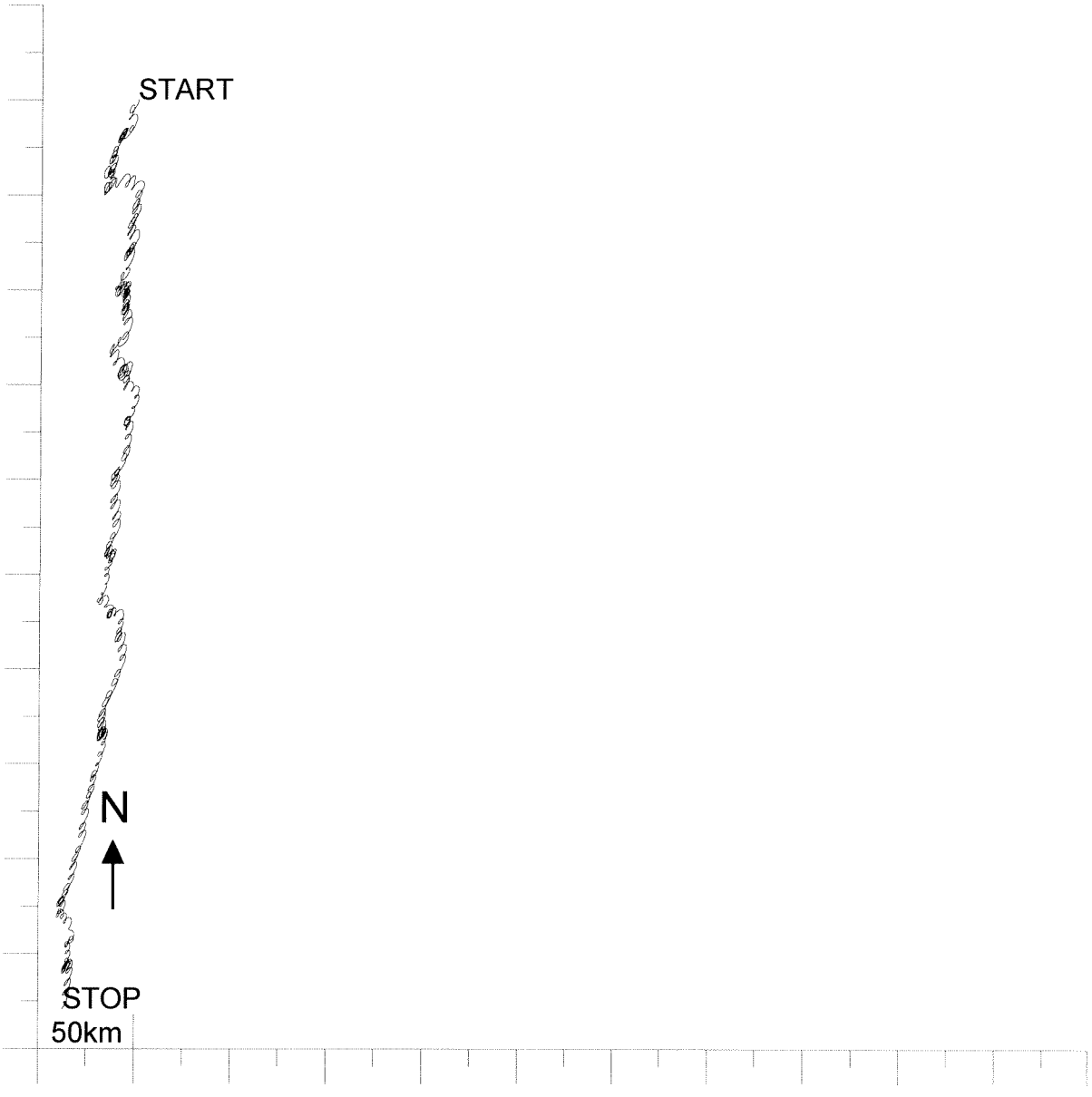
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 150	3	1	3	4	3	1	0	1	5	6	7	5	45	46
150 - 200	13	9	11	12	10	8	6	10	13	11	13	11	130	177
200 - 300	58	52	29	18	22	39	39	49	17	6	6	13	354	531
300 - 400	53	62	5	0	0	10	72	42	0	0	0	0	249	781
400 - 500	19	28	0	0	0	1	52	25	0	0	0	0	127	908
500 - 600	3	4	0	0	0	0	38	14	0	0	0	0	60	968
600 - 700	0	0	0	0	0	0	20	3	0	0	0	0	24	993
700 - 800	0	0	0	0	0	0	6	0	0	0	0	0	6	999
800 - 900	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	150	158	49	35	37	62	237	147	37	23	27	31		
Rel.flux (ppt)	146	165	36	22	24	51	316	163	23	13	15	19		
Avg.spd (mm/s)	306	327	232	201	205	258	418	346	200	177	172	200		
Max.spd (mm/s)	564	601	441	321	317	515	803	728	385	280	269	377		

2984_001
From 1978/01/24 to 1978/04/23.



Progressive vector diagram
2984_001



Deployment: 2984_002 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 47.300 N
Longitude: 6 11.700 W
Bottom depth: 124
Instrument depth: 40
Number of records: 4256
Time of first rec: 19780423 1916
Time of last rec : 19780721 1046
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4256	0
Column 5: Speed	4256	0
Column 6: Direct	4256	0

Comments
Time of last record on tape checked and correct.

Residual current: 128 mm/sec towards: 202 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

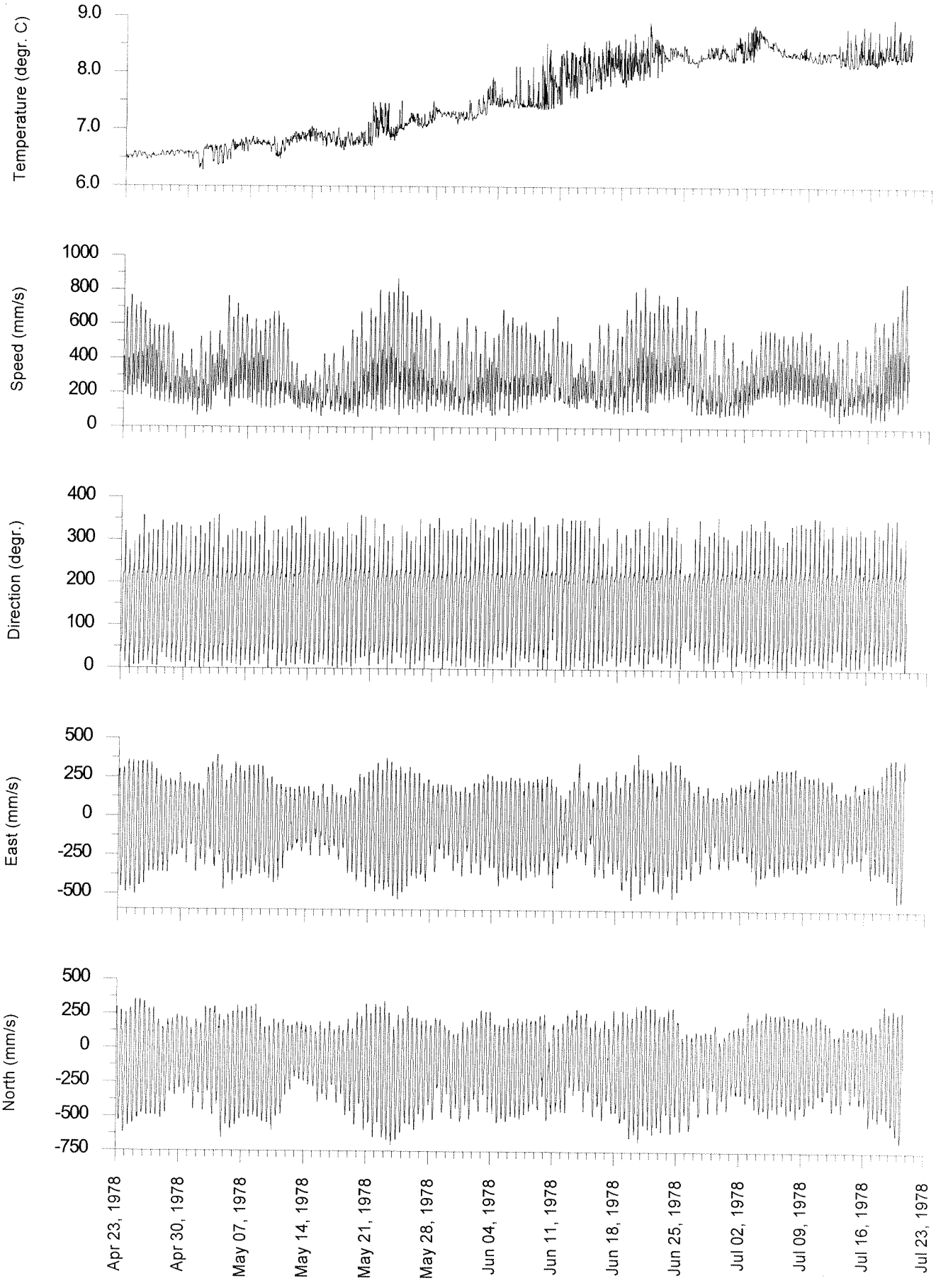
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	8	170	19	204	20	4	71	200	C	
MSF	.00282193	16	221	25	224	30	1	58	223	C	
Q1	.03721850	12	258	21	232	24	5	62	238	A	
O1	.03873065	27	270	35	264	44	2	53	266	A	
NO1	.04026859	5	110	5	84	7	2	41	99	A	
P1	.04155259	9	131	9	110	13	2	46	120	A	I
K1	.04178075	25	147	30	126	39	7	50	135	A	
N2	.07899925	52	230	61	207	79	16	50	216	A	
M2	.08051140	268	255	309	221	391	118	50	235	A	
L2	.08202355	16	312	17	249	20	12	48	277	A	
S2	.08333334	89	288	99	259	128	33	48	272	A	
K2	.08356149	24	288	27	259	35	9	48	272	A	I
MK3	.12229210	4	146	4	79	4	3	46	112	A	
M4	.16102280	8	188	4	69	8	3	165	14	A	
MS4	.16384470	6	233	2	147	6	2	1	233	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

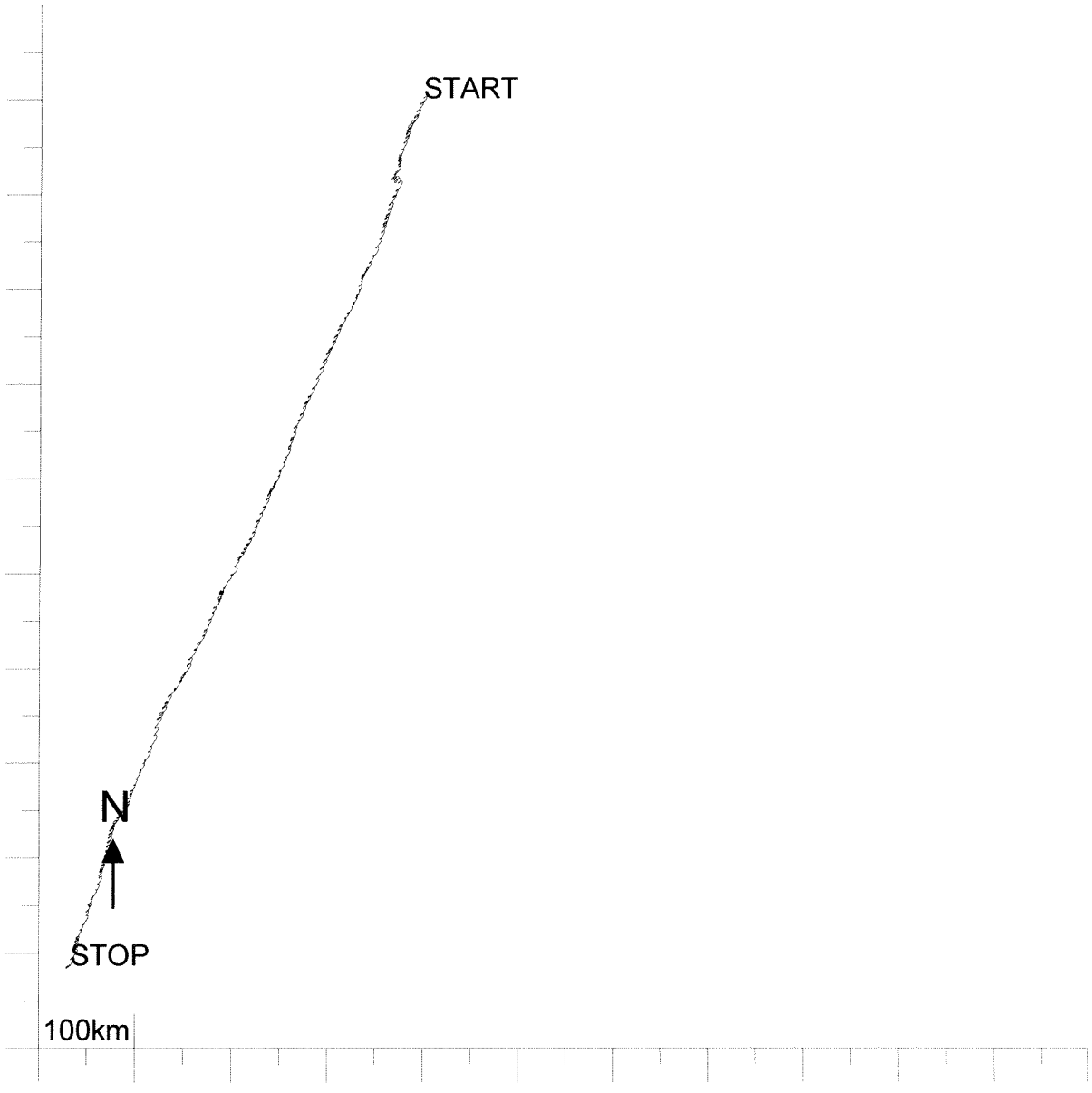
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	2	0	0	0	0	0	0	0	2	4	6	2	22	23
100 - 150	15	6	7	8	7	2	0	4	8	10	10	8	91	115
150 - 200	18	18	13	14	15	12	3	8	13	6	5	6	136	251
200 - 300	23	80	41	15	13	31	26	40	17	2	0	0	294	546
300 - 400	2	53	13	0	0	6	45	56	3	0	0	0	180	726
400 - 500	0	20	0	0	0	0	40	60	0	0	0	0	123	850
500 - 600	0	0	0	0	0	0	22	63	0	0	0	0	85	936
600 - 700	0	0	0	0	0	0	7	39	0	0	0	0	47	983
700 - 800	0	0	0	0	0	0	0	13	0	0	0	0	14	997
800 - 900	0	0	0	0	0	0	0	2	0	0	0	0	2	1000
Total (ppt)	61	180	76	39	36	54	147	290	46	25	23	17		
Rel.flux (ppt)	36	163	57	23	21	39	185	415	28	10	9	8		
Avg.spd (mm/s)	189	287	241	190	185	233	402	455	196	139	123	143		
Max.spd (mm/s)	355	482	426	317	302	411	750	874	377	284	228	243		

2984_002
From 1978/04/23 to 1978/07/21.



Progressive vector diagram
2984_002



Deployment: 2983_003 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 47.300 N
Longitude: 6 11.700 W
Bottom depth: 124
Instrument depth: 40
Number of records: 5201
Time of first rec: 19780925 2145
Time of last rec : 19790112 0545
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	5201	0
Column 5: Speed	5201	0
Column 6: Direct	5201	0

Comments
Time of last record on tape could not be checked.

Residual current: 137 mm/sec towards: 189 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

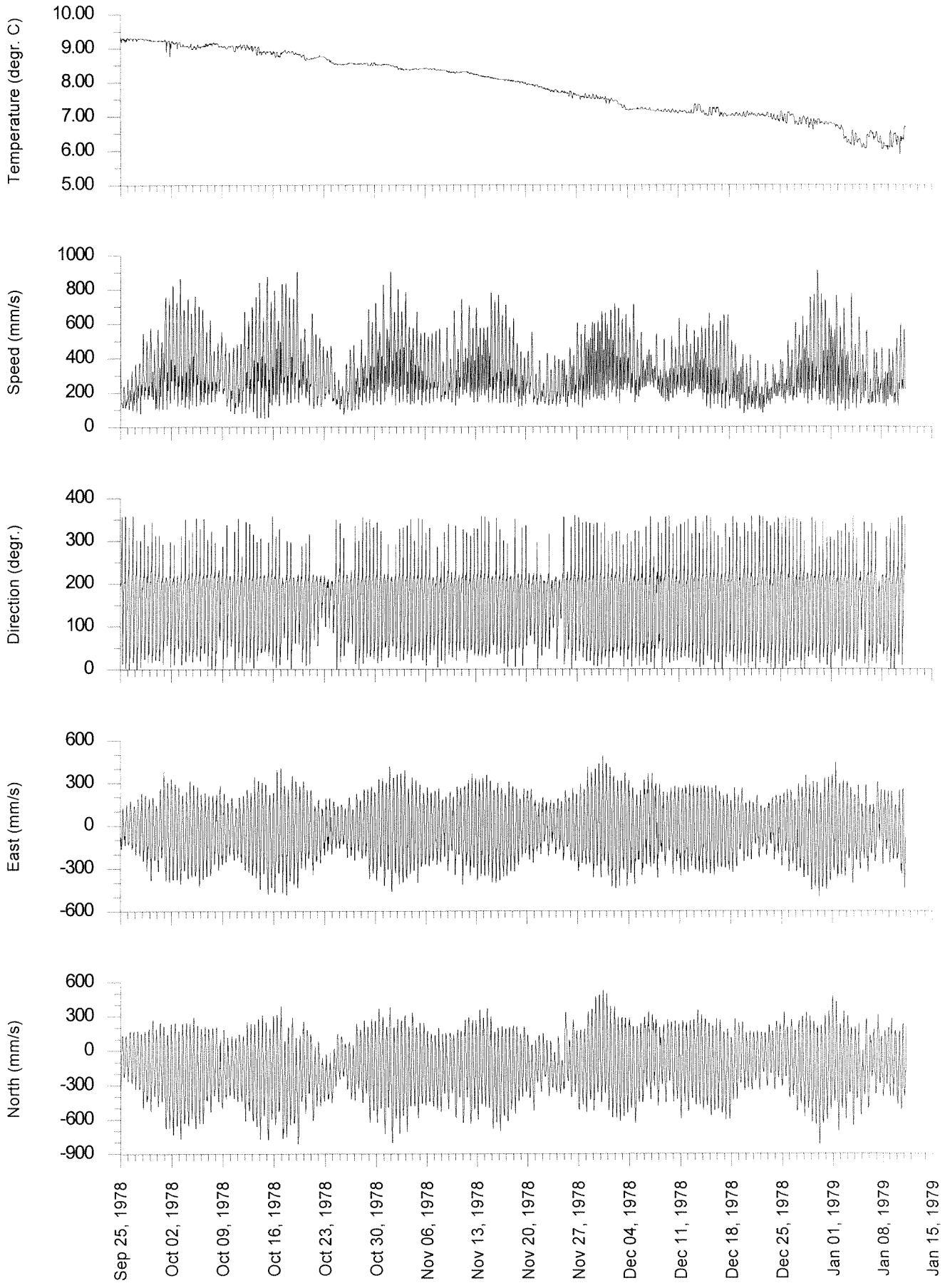
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	3	250	14	285	14	2	79	283	C	
MSF	.00282193	11	229	33	251	35	4	72	249	C	
Q1	.03721850	7	270	21	265	23	1	72	266	A	
O1	.03873065	27	278	47	264	54	6	60	268	A	
NO1	.04026859	2	135	7	96	8	1	79	98	A	
P1	.04155259	9	138	12	123	14	2	54	128	A	I
K1	.04178075	23	154	37	138	43	5	59	142	A	
N2	.07899925	45	230	56	203	70	16	52	213	A	
M2	.08051140	248	257	320	223	389	114	54	235	A	
L2	.08202355	5	325	5	272	7	3	42	301	A	
S2	.08333334	90	285	113	258	140	33	52	268	A	
K2	.08356149	24	285	31	258	38	9	52	268	A	I
MK3	.12229210	5	97	2	28	5	1	7	95	A	
M4	.16102280	6	180	3	52	6	2	160	7	A	
MS4	.16384470	4	230	1	122	4	1	177	50	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

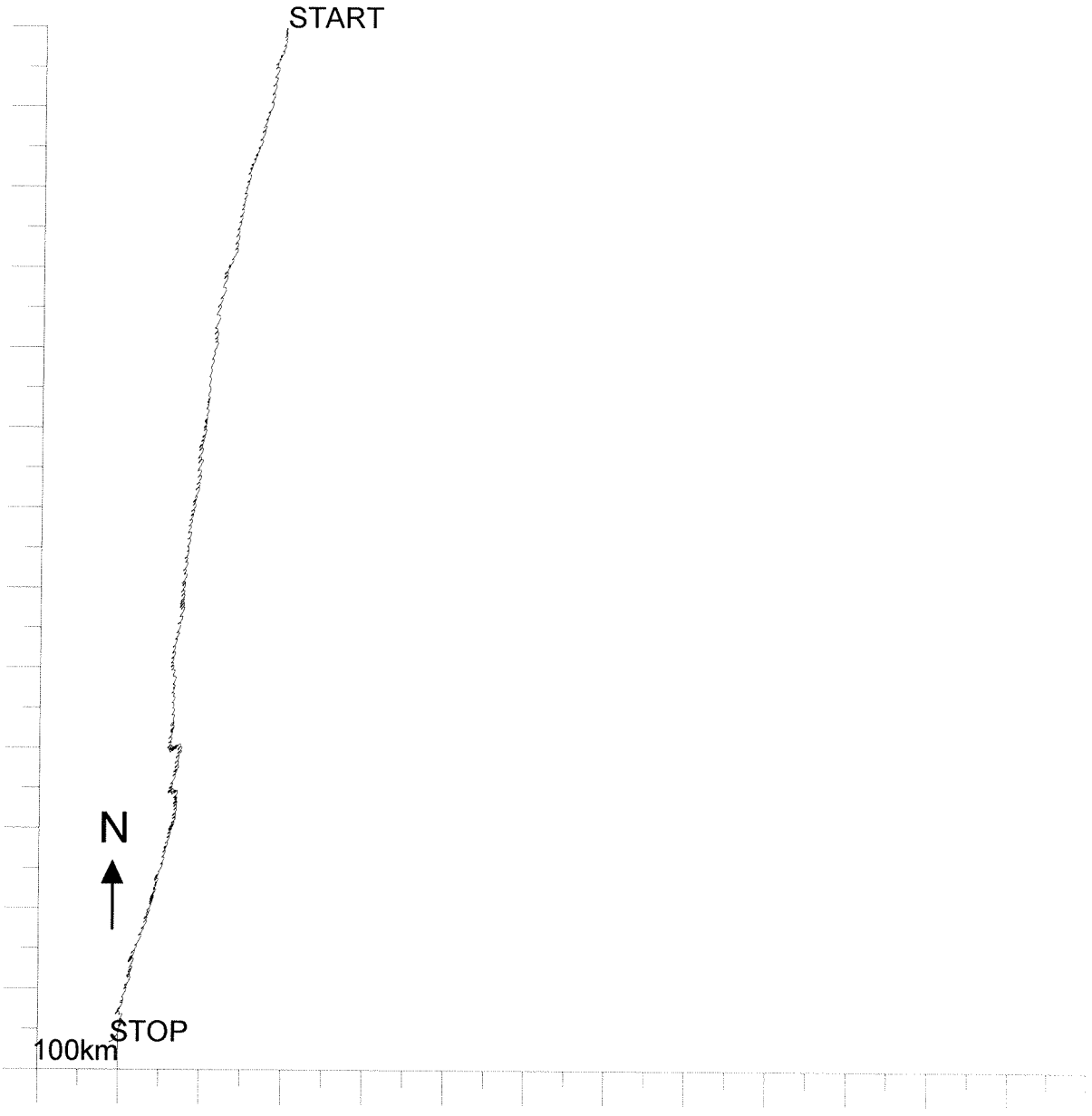
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	1	2	0	7	7
100 - 150	9	6	6	6	8	2	3	5	8	8	8	8	82	89
150 - 200	17	18	14	18	16	10	6	15	11	5	4	6	144	233
200 - 300	21	61	47	25	20	36	31	46	9	2	1	2	305	539
300 - 400	4	57	11	0	1	13	50	47	0	0	0	0	187	727
400 - 500	0	19	1	0	0	2	58	41	0	0	0	0	123	850
500 - 600	0	4	0	0	0	0	37	34	0	0	0	0	76	927
600 - 700	0	1	0	0	0	0	25	18	0	0	0	0	45	972
700 - 800	0	0	0	0	0	0	10	9	0	0	0	0	20	993
800 - 900	0	0	0	0	0	0	4	1	0	0	0	0	6	999
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	53	169	82	49	47	66	227	220	30	17	16	18		
Rel.flux (ppt)	34	158	60	31	28	52	316	274	17	8	7	8		
Avg.spd (mm/s)	211	304	241	201	198	256	452	405	183	150	142	158		
Max.spd (mm/s)	512	672	459	299	418	586	911	859	403	235	265	261		

2983_003
From 1978/09/25 to 1979/01/12.



Progressive vector diagram
2983_003



Deployment: 2983_004 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 61 47.300 N
Longitude: 6 11.700 W
Bottom depth: 124
Instrument depth: 40
Number of records: 3648
Time of first rec: 19790310 1636
Time of last rec : 19790525 1606
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	0	3648
Column 5: Speed	3648	0
Column 6: Direct	3648	0

Comments
Time of last record on tape could not be checked. All records have been errorflagged for temperature.

Residual current: 112 mm/sec towards: 199 degrees

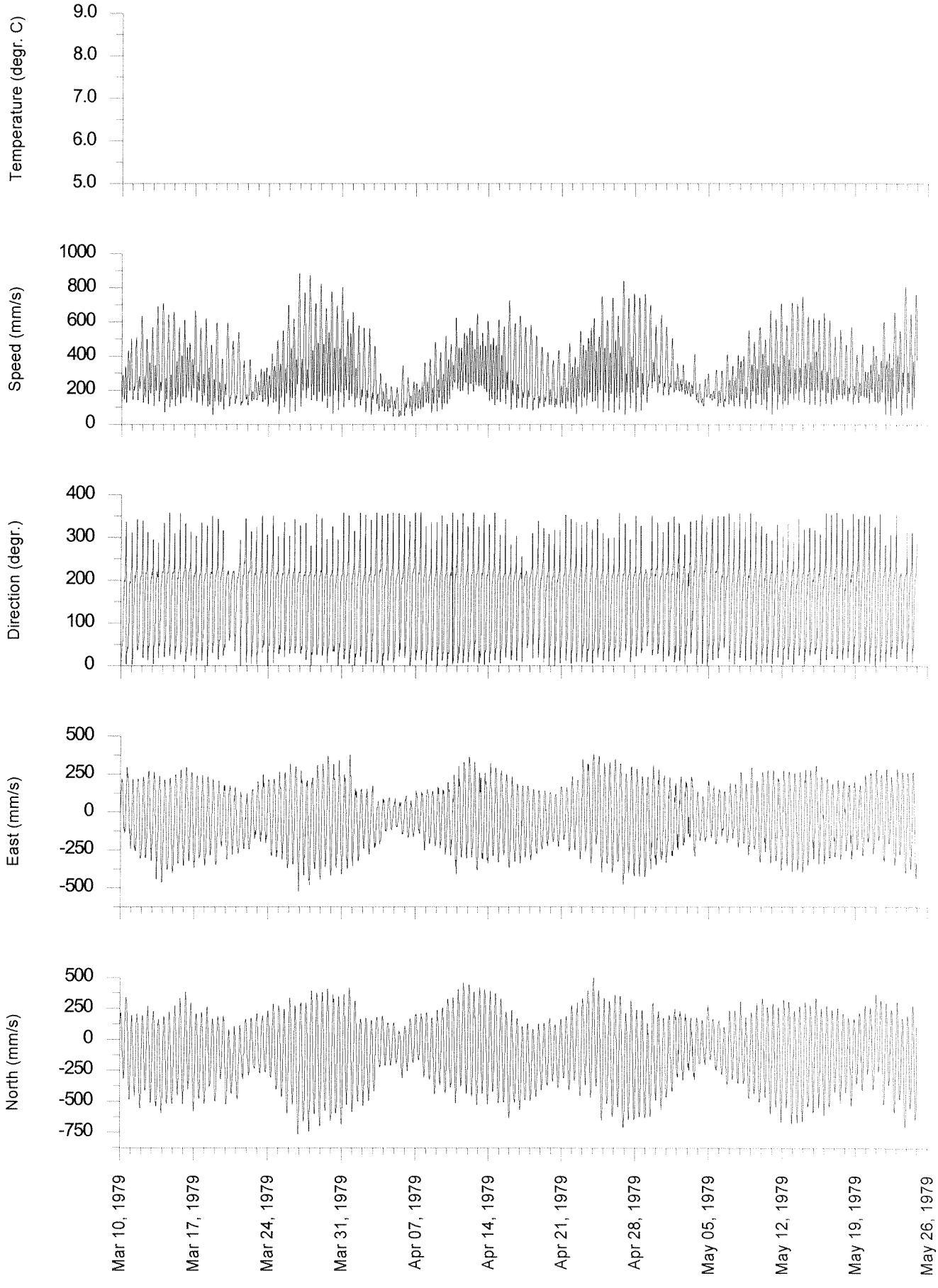
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	5	259	26	210	26	4	82	211	A	
MSF	.00282193	19	274	47	249	50	7	69	252	A	
Q1	.03721850	15	253	22	242	26	2	57	245	A	
O1	.03873065	18	288	35	275	39	4	63	278	A	
NO1	.04026859	3	221	4	171	5	2	60	185	A	
P1	.04155259	9	130	11	117	14	2	52	122	A	I
K1	.04178075	24	146	36	132	43	5	56	136	A	
N2	.07899925	45	212	60	187	73	16	54	196	A	
M2	.08051140	232	258	321	224	381	109	56	235	A	
L2	.08202355	7	27	6	264	8	5	141	231	A	
S2	.08333334	79	288	110	264	133	27	55	272	A	
K2	.08356149	22	288	30	264	36	7	55	272	A	I
MK3	.12229210	4	128	1	151	4	0	10	129	C	
M4	.16102280	8	227	3	167	8	3	12	223	A	
MS4	.16384470	7	258	4	208	7	3	22	249	A	

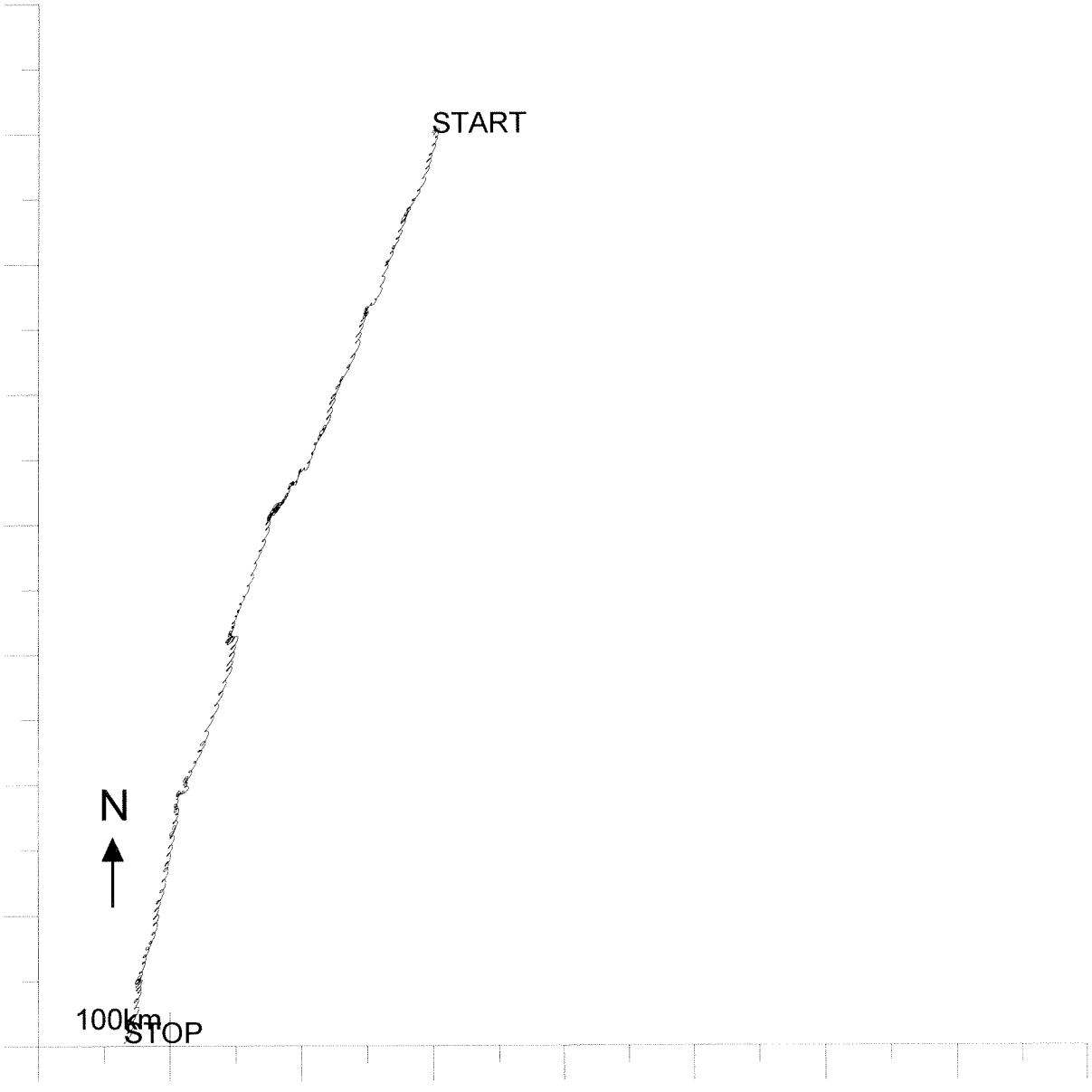
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	1	1
50 - 100	1	2	1	1	1	0	0	1	1	6	6	3	29	30
100 - 150	18	8	7	9	8	4	2	6	13	13	12	13	117	148
150 - 200	23	19	15	16	15	12	6	18	15	2	3	6	154	303
200 - 300	34	61	33	9	10	27	27	52	8	1	0	2	271	574
300 - 400	14	50	3	0	0	6	43	49	1	0	0	0	168	743
400 - 500	4	21	0	0	0	0	42	46	0	0	0	0	114	858
500 - 600	0	4	0	0	0	0	34	37	0	0	0	0	77	936
600 - 700	0	0	0	0	0	0	18	22	0	0	0	0	41	977
700 - 800	0	0	0	0	0	0	6	11	0	0	0	0	17	995
800 - 900	0	0	0	0	0	0	1	3	0	0	0	0	4	1000
Total (ppt)	97	169	61	36	37	51	183	248	40	24	23	25		
Rel.flux (ppt)	70	163	42	20	21	39	258	330	22	10	9	11		
Avg.spd (mm/s)	225	296	210	174	175	233	433	408	171	126	118	141		
Max.spd (mm/s)	500	620	358	280	258	512	885	874	388	381	246	288		

2983_004
From 1979/03/10 to 1979/05/25.



Progressive vector diagram
2983_004



Deployment: 2984_004 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 47.500 N
Longitude: 6 10.300 W
Bottom depth: 124
Instrument depth: 40
Number of records: 2888
Time of first rec: 19790922 1200
Time of last rec : 19800120 1900
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	2888	0
Column 5: Speed	2888	0
Column 6: Direct	2888	0

Comments
Time of last record on tape checked and correct.

Residual current: 109 mm/sec towards: 193 degrees

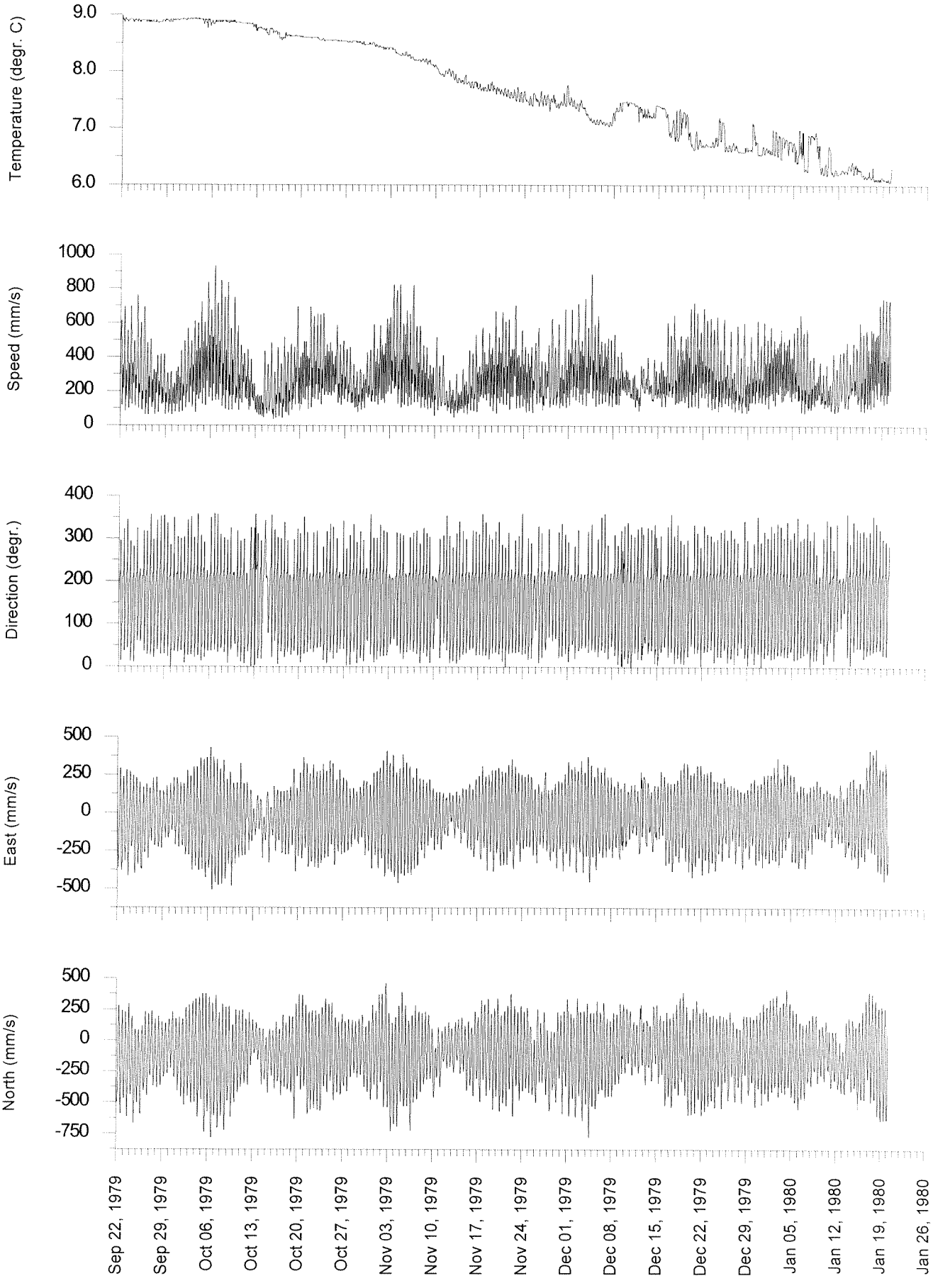
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis performed on unfiltered data

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	7	265	21	195	22	6	83	197	A	
MSF	.00282193	3	259	21	225	21	2	84	225	A	
Q1	.03721850	13	255	14	237	19	3	49	245	A	
O1	.03873065	23	276	44	258	49	7	63	262	A	
NO1	.04026859	5	319	3	187	6	2	158	147	A	
P1	.04155259	9	145	12	124	14	3	53	131	A	I
K1	.04178075	24	162	37	139	43	8	58	146	A	
N2	.07899925	44	224	56	195	69	17	53	206	A	
M2	.08051140	241	254	301	221	370	106	53	233	A	
L2	.08202355	8	349	11	264	11	8	84	268	A	
S2	.08333334	85	283	106	257	132	30	52	267	A	
K2	.08356149	23	283	29	257	36	8	52	267	A	I
MK3	.12229210	5	170	2	64	5	2	172	354	A	
M4	.16102280	7	219	2	227	7	0	14	219	C	
MS4	.16384470	4	242	1	170	4	1	6	240	A	

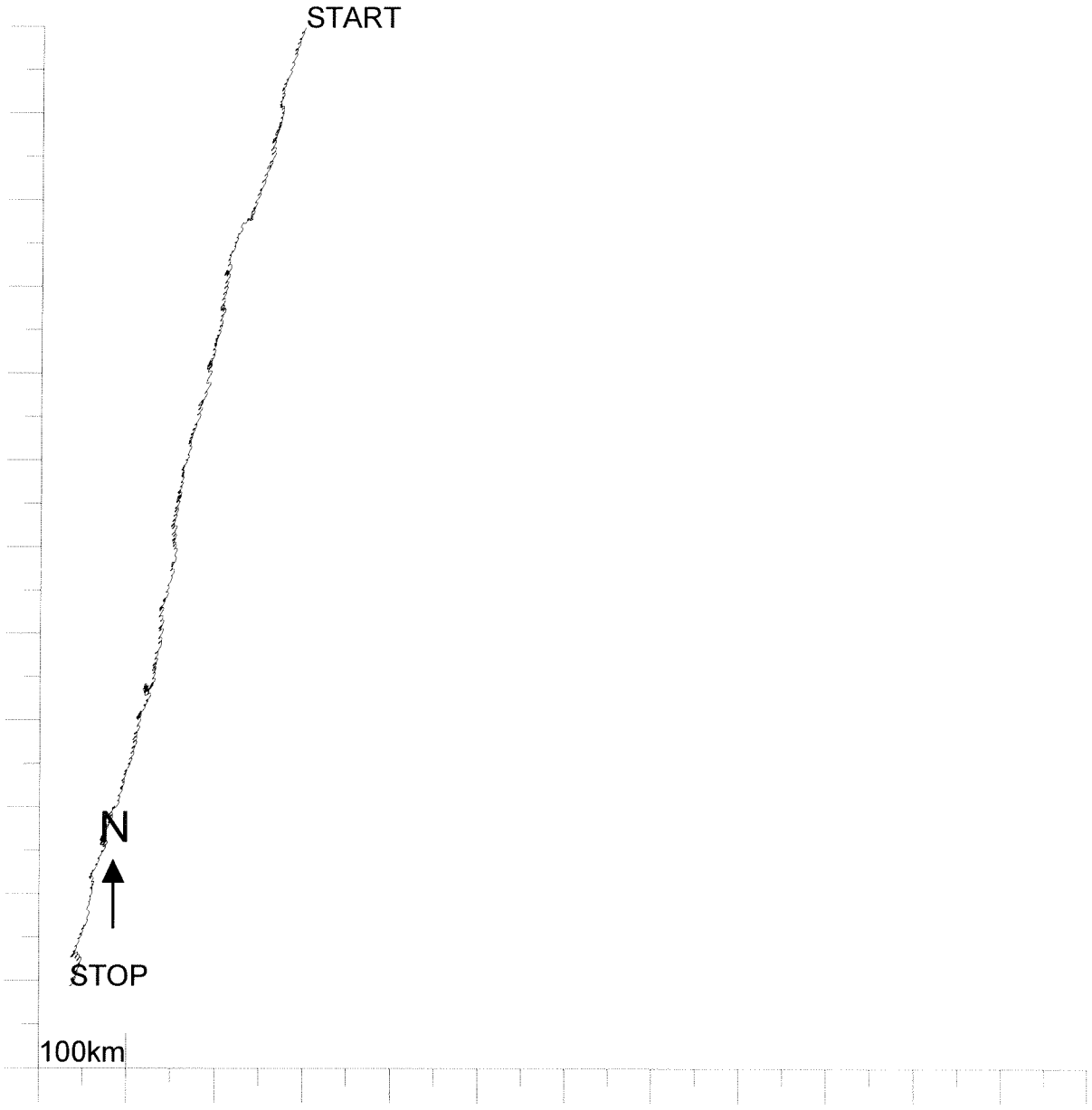
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	1	1
50 - 100	2	1	1	3	1	1	1	1	1	7	11	4	38	39
100 - 150	9	8	7	13	12	5	4	8	6	14	16	6	114	154
150 - 200	16	18	19	20	23	14	9	14	12	4	5	7	166	320
200 - 300	20	68	32	12	10	27	31	46	7	1	1	1	263	584
300 - 400	7	50	11	0	0	5	53	52	0	0	0	0	181	765
400 - 500	0	22	1	0	0	0	45	53	0	0	0	0	122	888
500 - 600	0	5	0	0	0	0	24	33	0	0	0	0	64	952
600 - 700	0	0	0	0	0	0	11	19	0	0	0	0	31	983
700 - 800	0	0	0	0	0	0	4	7	0	0	0	0	11	995
800 - 900	0	0	0	0	0	0	2	1	0	0	0	0	3	999
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	56	175	74	50	49	53	188	240	28	29	35	18		
Rel.flux (ppt)	40	175	56	29	28	39	254	324	16	12	14	8		
Avg.spd (mm/s)	213	296	225	172	171	221	399	400	176	125	119	141		
Max.spd (mm/s)	426	596	414	302	261	372	889	935	308	213	235	246		

2984_004
From 1979/09/22 to 1980/01/20.



Progressive vector diagram
2984_004



Deployment: 2984_005 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 47.600 N
Longitude: 6 11.600 W
Bottom depth: 108
Instrument depth: 40
Number of records: 7154
Time of first rec: 19800410 1415
Time of last rec : 19800906 1445
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	6887	267
Column 5: Speed	7147	7
Column 6: Direct	6880	274

Comments

Time of last record on tape checked and correct. There is a short gap of a few hours duration with errorflagged speed and a gap with flagged temperature and direction lasting almost a week

Residual current: 138 mm/sec towards: 197 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 281
Tidal analysis on data passed through 3 filters: A2, A2, and A3

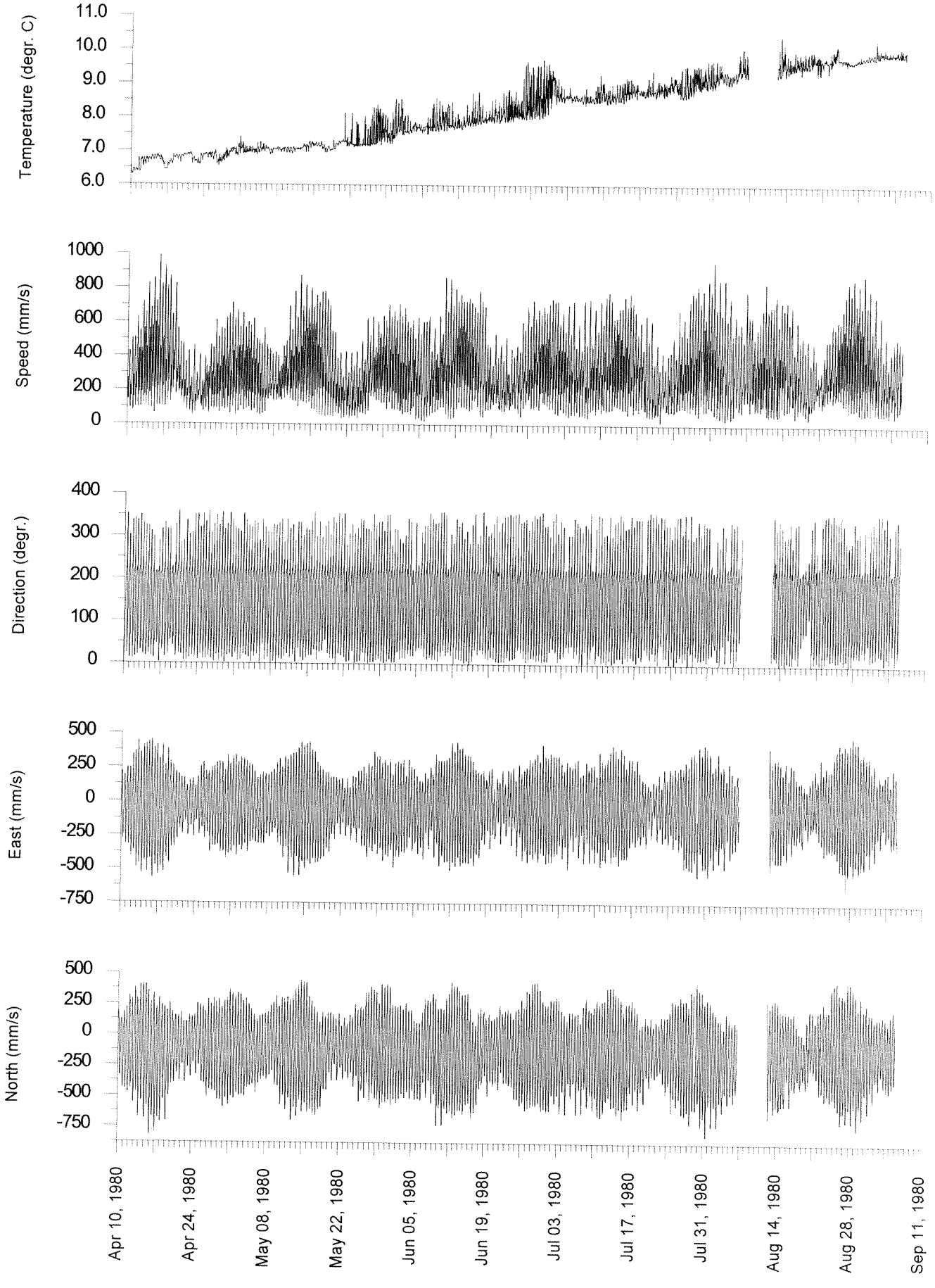
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	5	212	21	233	21	2	76	232	C	
MSF	.00282193	8	261	20	287	21	3	70	284	C	
Q1	.03721850	11	248	17	231	20	3	57	236	A	
O1	.03873065	26	273	37	265	45	3	55	268	A	
NO1	.04026859	5	249	5	174	6	4	29	228	A	
P1	.04155259	10	128	9	111	13	2	45	119	A	I
K1	.04178075	27	144	31	126	40	6	49	134	A	
N2	.07899925	54	215	54	194	76	14	45	205	A	
M2	.08051140	280	256	344	222	426	124	52	235	A	
L2	.08202355	14	16	13	281	14	12	158	215	A	
S2	.08333334	99	286	112	260	146	34	49	271	A	
K2	.08356149	27	286	31	260	40	9	49	271	A	I
MK3	.12229210	4	171	4	91	4	3	34	142	A	
M4	.16102280	12	238	8	173	13	7	23	225	A	
MS4	.16384470	8	258	7	197	9	5	40	232	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

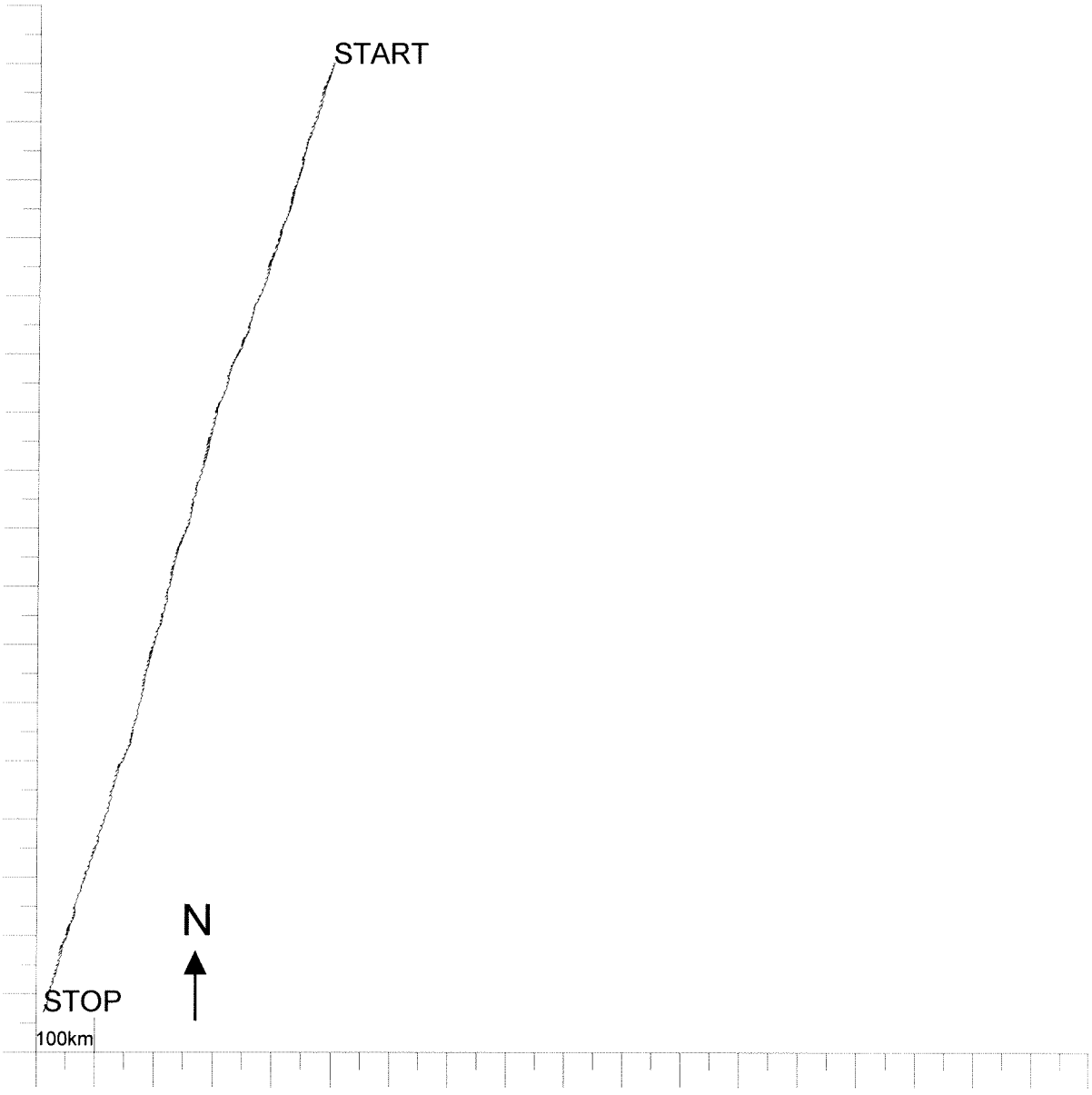
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals												All dir.	
	15	45	75	105	135	165	195	225	255	285	315	345	Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	1	1	0	5	5
50 - 100	2	2	1	1	0	1	0	2	7	9	10	4	46	51
100 - 150	14	7	7	7	5	1	2	7	13	6	8	9	91	143
150 - 200	17	15	12	15	14	5	1	11	10	2	1	3	112	255
200 - 300	19	49	38	19	18	29	16	39	8	0	0	0	238	494
300 - 400	7	49	17	0	1	13	38	47	1	0	0	0	177	672
400 - 500	2	30	3	0	0	2	45	56	0	0	0	0	140	812
500 - 600	0	11	0	0	0	0	32	41	0	0	0	0	85	897
600 - 700	0	0	0	0	0	0	19	41	0	0	0	0	63	961
700 - 800	0	0	0	0	0	0	5	23	0	0	0	0	28	989
800 - 900	0	0	0	0	0	0	1	8	0	0	0	0	9	998
900 - 1000	0	0	0	0	0	0	0	1	0	0	0	0	1	1000
Total (ppt)	64	167	81	45	41	54	162	279	41	20	21	19		
Rel.flux (ppt)	40	160	60	25	24	43	220	384	19	6	6	7		
Avg.spd (mm/s)	210	321	249	192	202	266	455	463	159	106	101	123		
Max.spd (mm/s)	485	627	474	344	347	504	915	993	638	515	220	250		

2984_005
From 1980/04/10 to 1980/09/06.



Progressive vector diagram
2984_005



Deployment: 2984_006 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 47.600 N
Longitude: 6 13.400 W
Bottom depth: 108
Instrument depth: 40
Number of records: 4184
Time of first rec: 19800909 0030
Time of last rec : 19810302 0730
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3455	729
Column 5: Speed	4184	0
Column 6: Direct	4184	0

Comments
Time of last record on tape checked and correct. Many records have been errorflagged for temperature due to a digitization problem in the instrument

Residual current: 126 mm/sec towards: 195 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis performed on unfiltered data

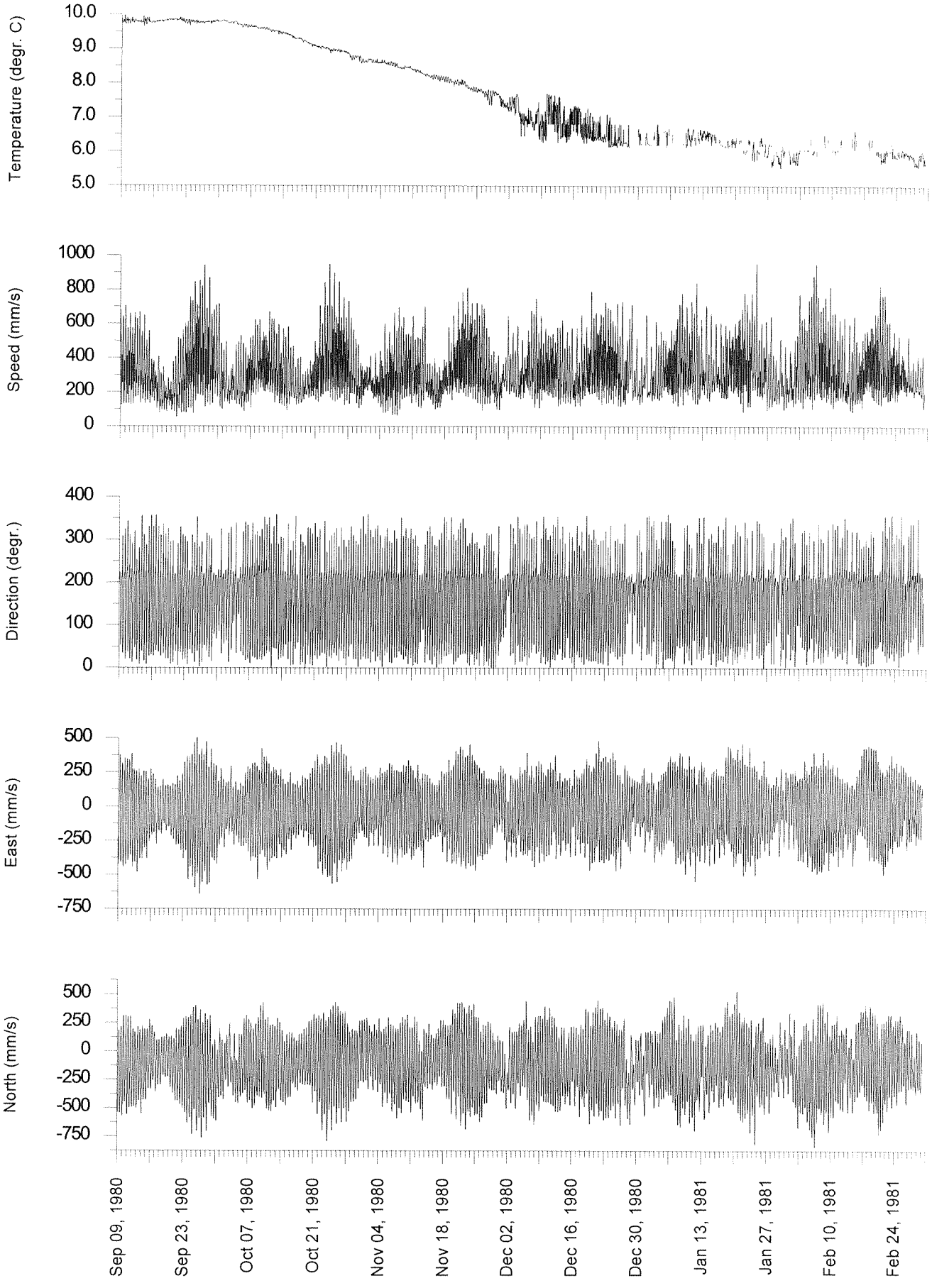
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	8	131	4	200	8	3	10	135	C	
MSF	.00282193	10	260	23	291	25	5	69	287	C	
Q1	.03721850	8	275	19	242	20	4	70	246	A	
O1	.03873065	25	287	39	268	46	7	58	273	A	
NO1	.04026859	6	260	11	195	11	5	72	204	A	
P1	.04155259	10	142	12	120	15	3	50	129	A	I
K1	.04178075	27	159	38	136	46	9	55	144	A	
N2	.07899925	54	222	63	196	80	19	50	207	A	
M2	.08051140	284	255	322	218	408	133	50	234	A	
L2	.08202355	15	301	16	243	19	11	46	271	A	
S2	.08333334	99	284	109	255	143	37	48	268	A	
K2	.08356149	27	284	30	255	39	10	48	268	A	I
MK3	.12229210	8	115	2	302	8	0	165	295	A	
M4	.16102280	12	195	6	93	12	5	173	18	A	
MS4	.16384470	6	250	1	180	6	0	2	249	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

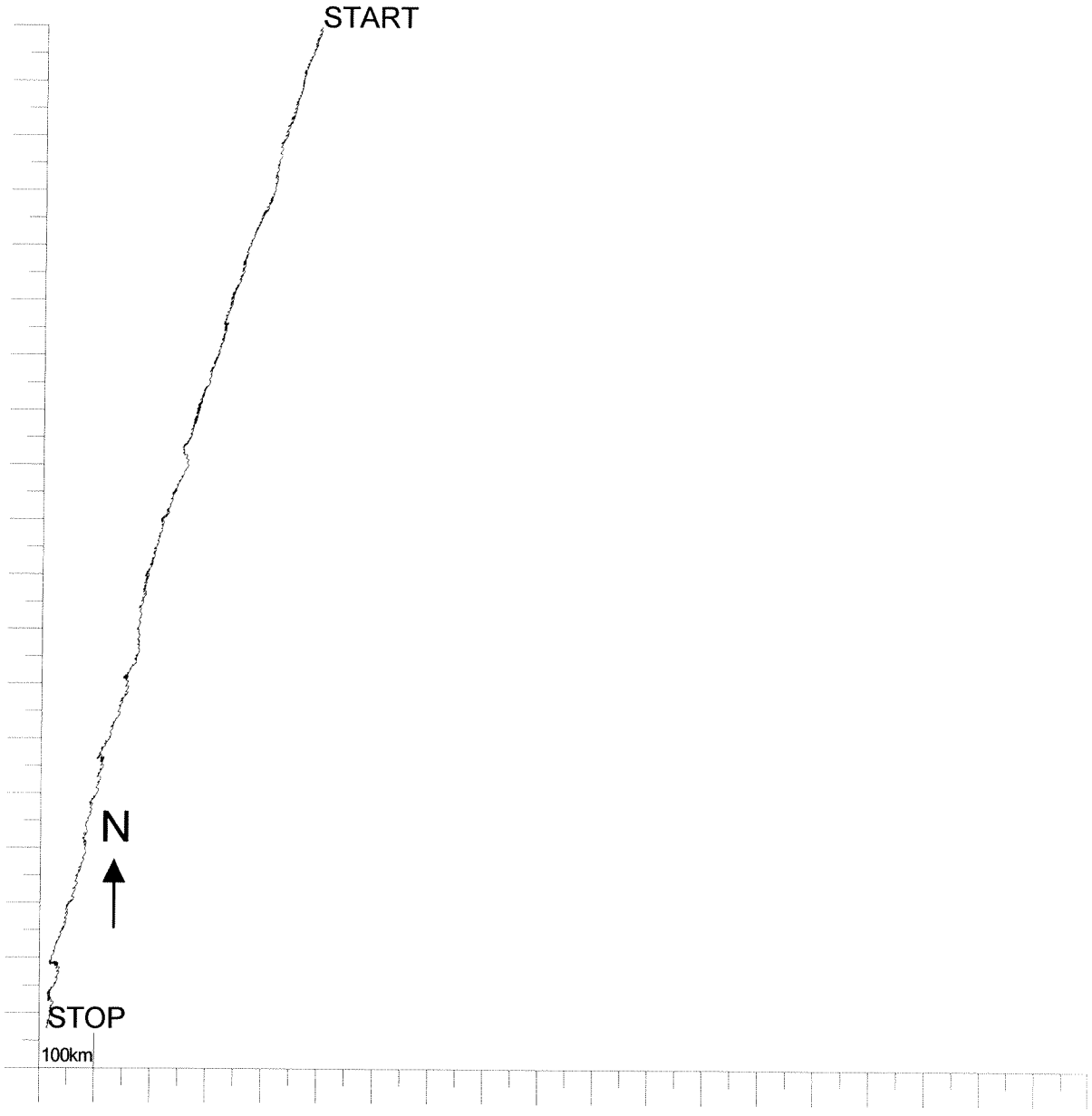
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	3	0	7	7
100 - 150	4	3	2	4	6	2	0	1	3	8	9	3	49	57
150 - 200	14	13	12	18	16	8	3	8	8	11	11	9	136	193
200 - 300	25	42	37	32	27	34	30	36	18	7	4	5	303	497
300 - 400	9	51	21	2	2	16	42	53	4	0	0	0	204	701
400 - 500	1	28	4	0	0	0	40	54	0	0	0	0	131	833
500 - 600	0	13	0	0	0	0	26	46	0	0	0	0	88	921
600 - 700	0	1	0	0	0	0	13	38	0	0	0	0	53	974
700 - 800	0	0	0	0	0	0	6	11	0	0	0	0	17	992
800 - 900	0	0	0	0	0	0	0	5	0	0	0	0	6	998
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	55	153	79	59	54	62	165	257	36	28	28	18		
Rel.flux (ppt)	39	155	63	37	33	49	207	350	24	14	13	10		
Avg.spd (mm/s)	240	340	270	214	209	263	425	461	230	171	156	181		
Max.spd (mm/s)	592	638	525	336	377	588	954	956	465	276	261	291		

2984_006
From 1980/09/09 to 1981/03/02.



Progressive vector diagram
2984_006



Deployment: 2984_007 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 47.200 N
Longitude: 6 15.000 W
Bottom depth: 109
Instrument depth: 40
Number of records: 9500
Time of first rec: 19810302 2215
Time of last rec : 19810916 1945
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	9500	0
Column 5: Speed	9479	21
Column 6: Direct	9500	0

Comments
Time of last record on tape could not be checked. There are three gaps of a few hours duration each with current speed missing

Residual current: 139 mm/sec towards: 198 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 16
Tidal analysis on data passed through 3 filters: A2, A2, and A3

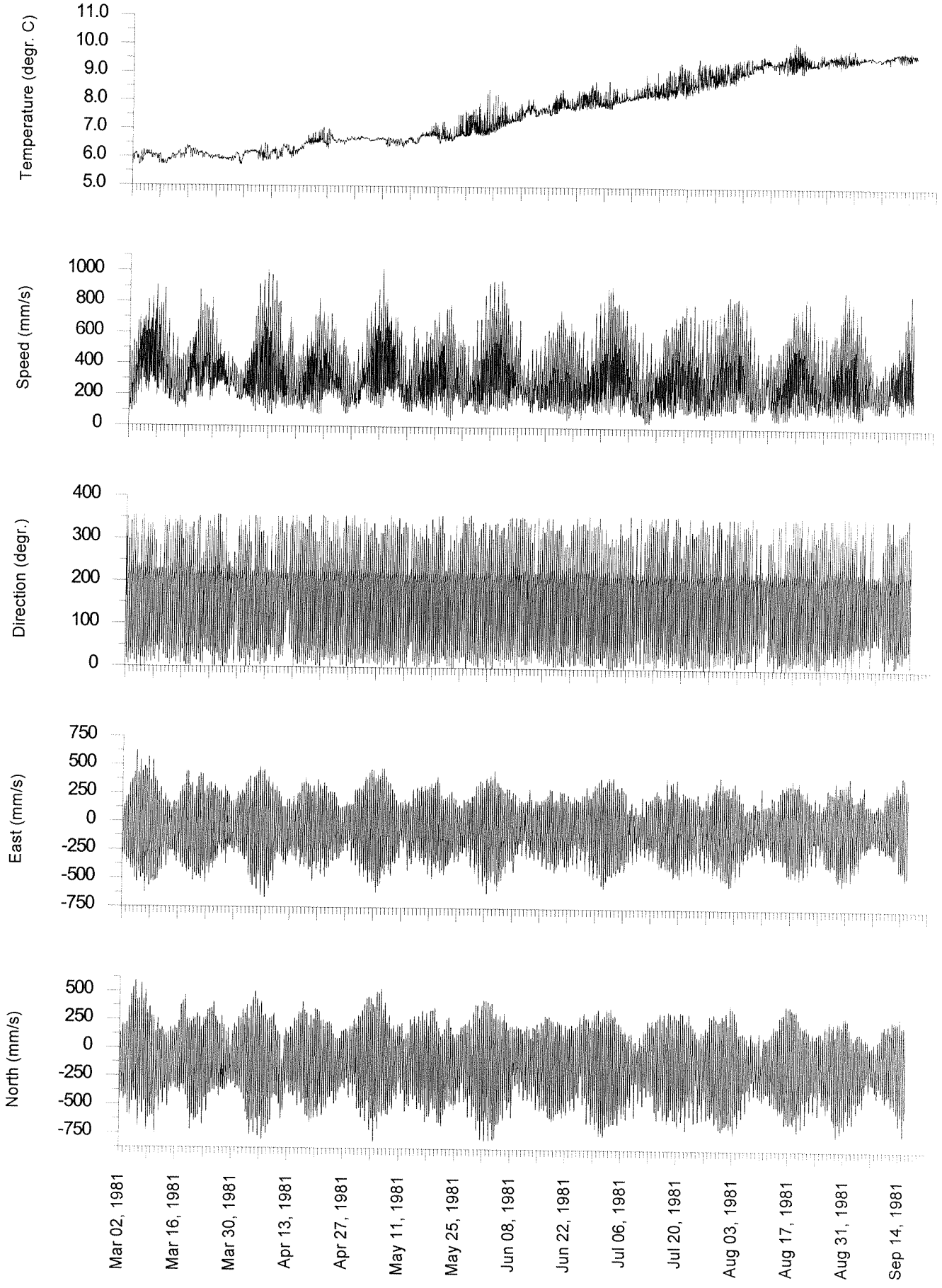
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
MM	.00151215	10	243	12	254	16	1	52	250	C
MSF	.00282193	9	280	18	274	20	1	63	275	A
Q1	.03721850	11	262	17	248	20	2	59	252	A
O1	.03873065	30	278	41	258	50	8	55	265	A
NO1	.04026859	2	214	6	156	6	2	76	161	A
P1	.04155259	10	151	11	109	14	5	51	126	A
K1	.04178075	26	153	34	130	42	8	54	138	A
N2	.07899925	58	223	70	195	88	22	51	206	A
M2	.08051140	287	255	347	222	432	126	51	235	A
L2	.08202355	15	314	11	264	17	7	31	300	A
S2	.08333334	101	286	117	261	151	33	50	271	A
K2	.08356149	32	283	29	262	42	8	42	274	A
MK3	.12229210	4	130	3	50	4	2	11	123	A
M4	.16102280	11	208	4	176	11	2	17	205	A
MS4	.16384470	5	248	4	239	7	1	38	244	A

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

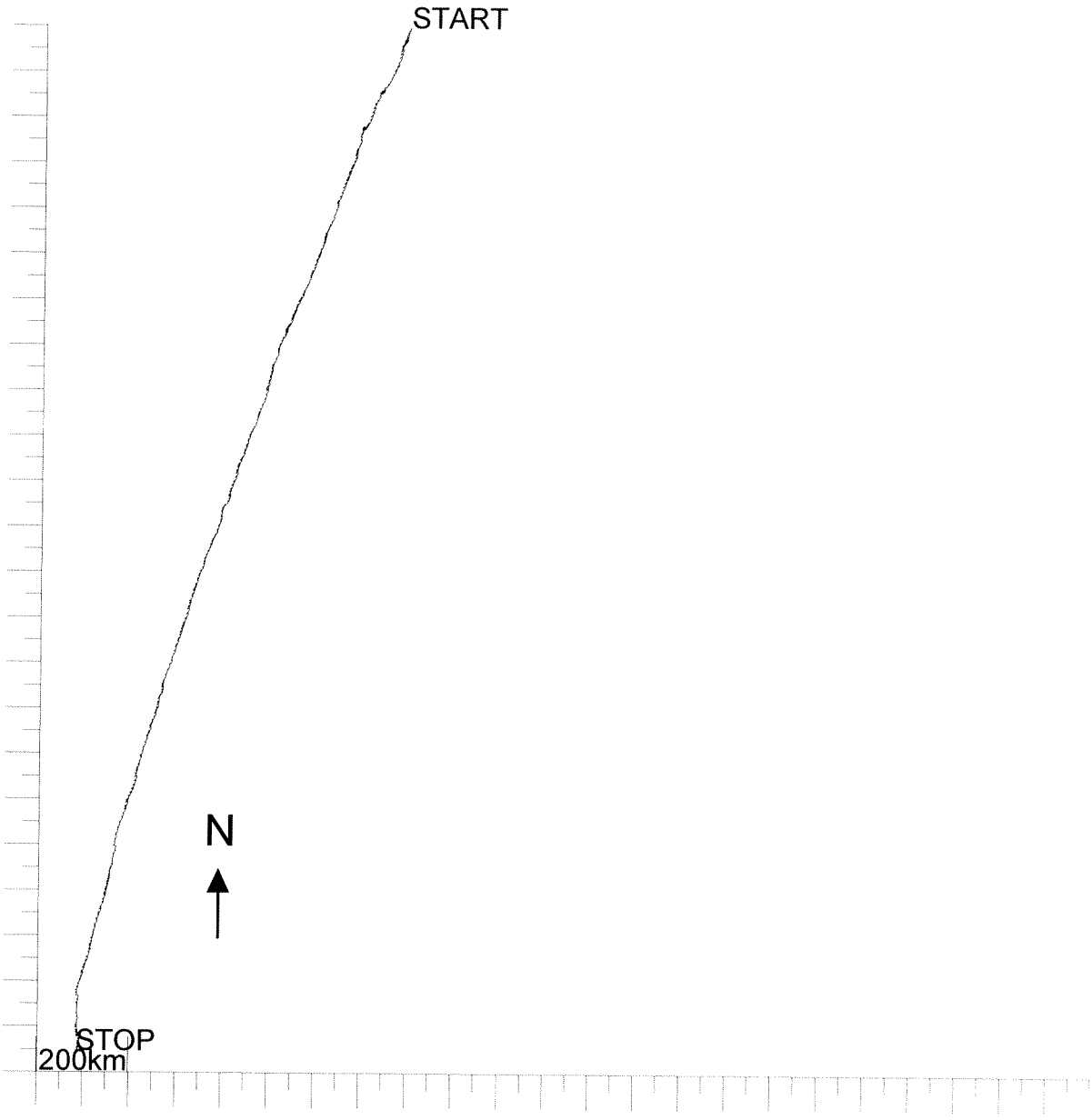
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	1	1
50 - 100	1	0	0	0	0	0	0	1	2	4	1	1	16	17
100 - 150	8	6	7	6	4	1	1	6	8	8	8	8	77	95
150 - 200	17	14	15	16	14	7	2	11	10	5	4	6	127	222
200 - 300	22	48	34	18	18	30	18	36	14	3	2	2	251	473
300 - 400	7	52	19	2	1	12	42	50	3	0	0	0	193	666
400 - 500	2	31	4	0	0	1	44	51	0	0	0	0	136	802
500 - 600	0	10	0	0	0	0	32	44	0	0	0	0	88	891
600 - 700	0	4	0	0	0	0	20	35	0	0	0	0	61	952
700 - 800	0	0	0	0	0	0	7	25	0	0	0	0	33	986
800 - 900	0	0	0	0	0	0	1	9	0	0	0	0	10	996
900 - 1000	0	0	0	0	0	0	0	2	0	0	0	0	3	999
1000 - 1100	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	59	170	82	44	39	54	173	274	39	23	17	20		
Rel.flux (ppt)	37	164	60	25	23	40	226	372	22	9	7	9		
Avg.spd (mm/s)	222	336	258	201	204	259	457	473	199	146	153	160		
Max.spd (mm/s)	541	754	672	377	381	482	904	1023	437	321	351	344		

2984_007
From 1981/03/02 to 1981/09/16.



Progressive vector diagram
2984_007



Deployment: 2984_008 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 47.200 N
Longitude: 6 12.600 W
Bottom depth: 108
Instrument depth: 40
Number of records: 2619
Time of first rec: 19810925 2245
Time of last rec : 19811119 1145
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	2619	0
Column 5: Speed	2619	0
Column 6: Direct	2619	0

Comments
Time of last record on tape checked and correct.

Residual current: 123 mm/sec towards: 199 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

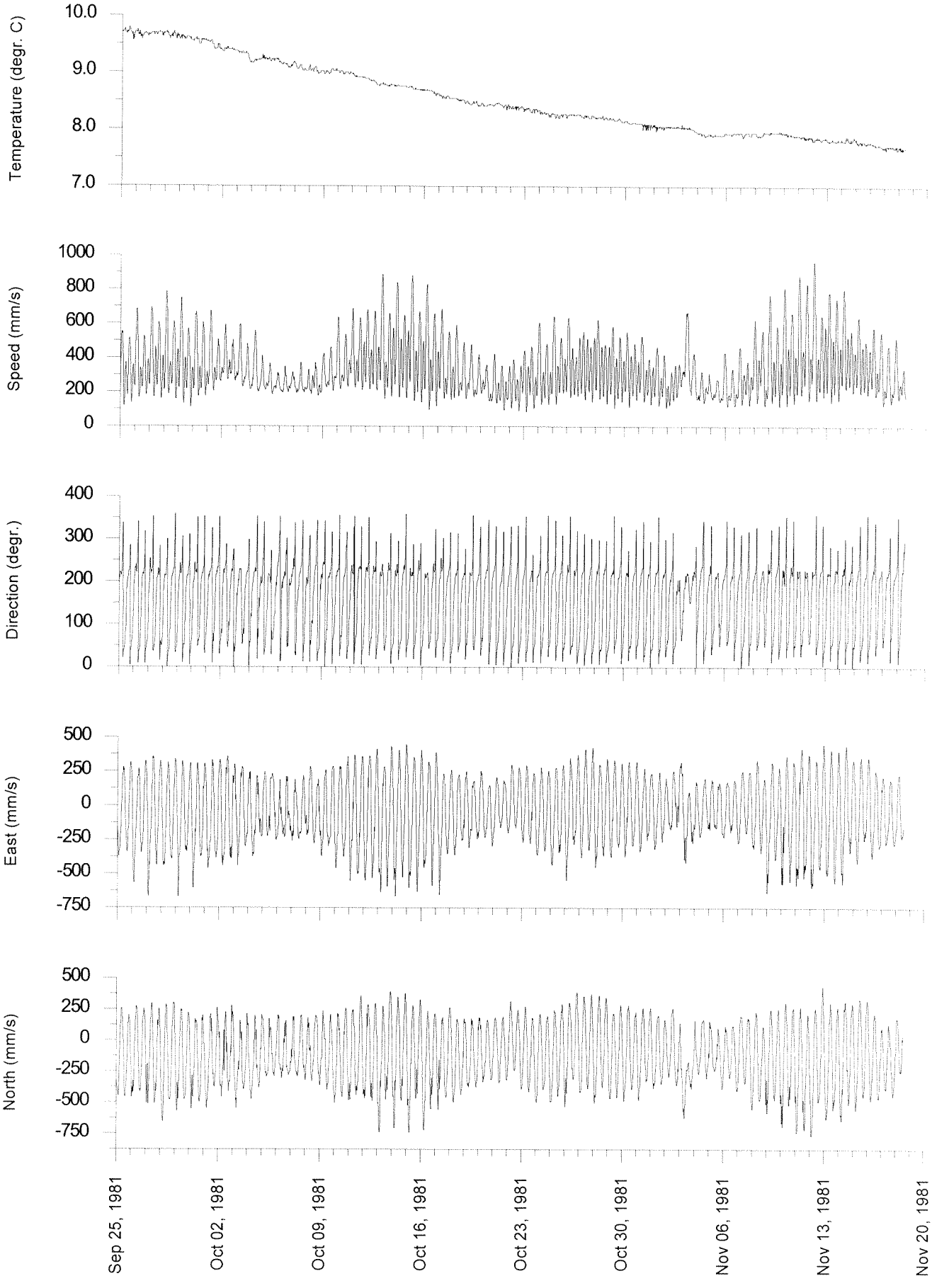
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	12	150	22	141	25	2	61	143	A	
MSF	.00282193	15	208	17	259	21	10	50	237	C	
Q1	.03721850	12	247	10	248	16	0	38	248	C	
O1	.03873065	24	275	34	262	41	5	55	266	A	
NO1	.04026859	5	331	2	211	5	2	167	156	A	
P1	.04155259	10	150	11	146	15	1	47	148	A	I
K1	.04178075	28	165	35	161	45	2	52	162	A	
N2	.07899925	60	237	70	211	89	21	50	222	A	
M2	.08051140	289	253	301	220	399	119	46	236	A	
L2	.08202355	32	290	22	225	34	19	25	276	A	
S2	.08333334	105	279	97	255	140	30	42	268	A	
K2	.08356149	29	279	26	255	38	8	42	268	A	I
MK3	.12229210	4	153	4	33	5	3	139	360	A	
M4	.16102280	13	185	11	74	14	10	148	28	A	
MS4	.16384470	12	244	6	155	12	6	0	244	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

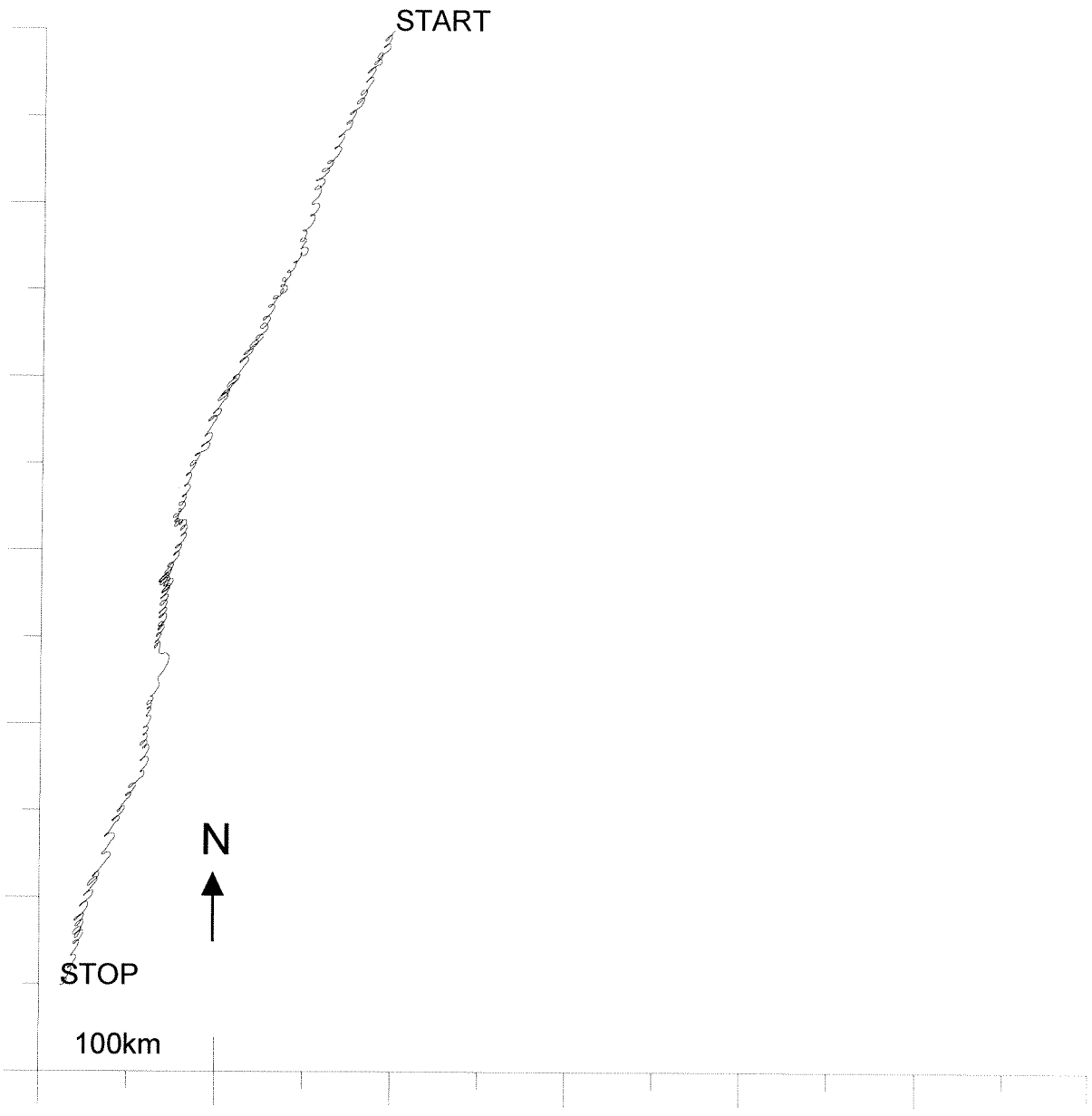
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100 - 150	4	1	0	1	0	0	1	1	5	7	4	5	35	37
150 - 200	15	10	12	16	9	5	2	8	13	7	6	6	116	153
200 - 300	24	54	47	31	21	39	33	48	20	8	5	4	340	494
300 - 400	2	63	29	3	3	8	46	55	5	0	0	0	216	710
400 - 500	0	30	4	0	0	0	35	62	0	0	0	0	135	846
500 - 600	0	8	0	0	0	0	18	52	0	0	0	0	78	924
600 - 700	0	0	0	0	0	0	4	40	4	0	0	0	49	974
700 - 800	0	0	0	0	0	0	0	14	0	0	0	0	15	989
800 - 900	0	0	0	0	0	0	0	8	0	0	0	0	9	998
900 - 1000	0	0	0	0	0	0	0	1	0	0	0	0	1	1000
Total (ppt)	47	168	94	53	34	54	142	293	51	24	17	16		
Rel.flux (ppt)	29	165	77	35	22	40	161	398	40	13	8	8		
Avg.spd (mm/s)	211	333	277	222	222	253	383	461	266	181	173	170		
Max.spd (mm/s)	414	586	489	373	329	418	833	971	750	310	250	265		

2984_008
From 1981/09/25 to 1981/11/19.



Progressive vector diagram
2984_008



Deployment: 6486_001 analyzed from beginning to end
Instrument no.: 6486
Instrument type: Aanderaa
Latitude: 61 47.100 N
Longitude: 6 12.900 W
Bottom depth: 116
Instrument depth: 40
Number of records:10200
Time of first rec: 19820915 1315
Time of last rec : 19830416 0045
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	10200	0
Column 5: Speed	10200	0
Column 6: Direct	10200	0

Comments

Time of last record on tape could not be checked.

Residual current: 130 mm/sec towards: 192 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

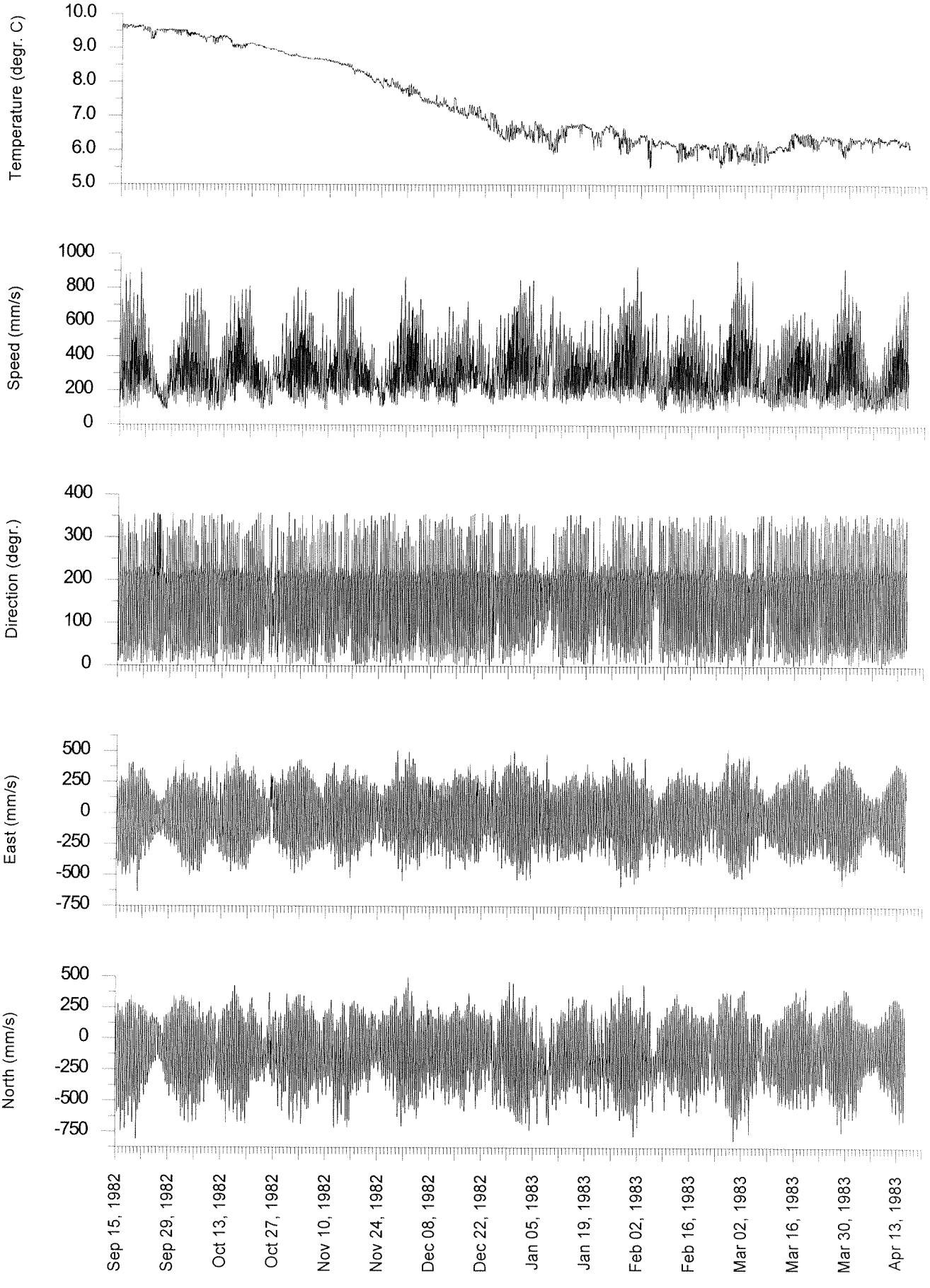
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
MM	.00151215	11	283	27	248	28	6	70	253	A
MSF	.00282193	6	219	5	188	8	2	35	209	A
Q1	.03721850	5	249	15	245	16	0	70	245	A
O1	.03873065	27	277	37	264	45	5	54	269	A
NO1	.04026859	6	283	1	264	6	0	13	282	A
P1	.04155259	10	140	9	112	13	3	40	128	A
K1	.04178075	27	158	40	136	48	8	57	143	A
N2	.07899925	54	222	59	197	78	17	47	208	A
M2	.08051140	284	255	309	220	400	126	48	236	A
L2	.08202355	9	298	8	238	10	6	37	275	A
S2	.08333334	95	287	105	261	138	32	48	273	A
K2	.08356149	29	289	33	261	42	11	49	273	A
MK3	.12229210	4	61	2	21	4	1	23	54	A
M4	.16102280	9	168	6	69	9	6	170	355	A
MS4	.16384470	5	228	1	157	5	1	2	227	A

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

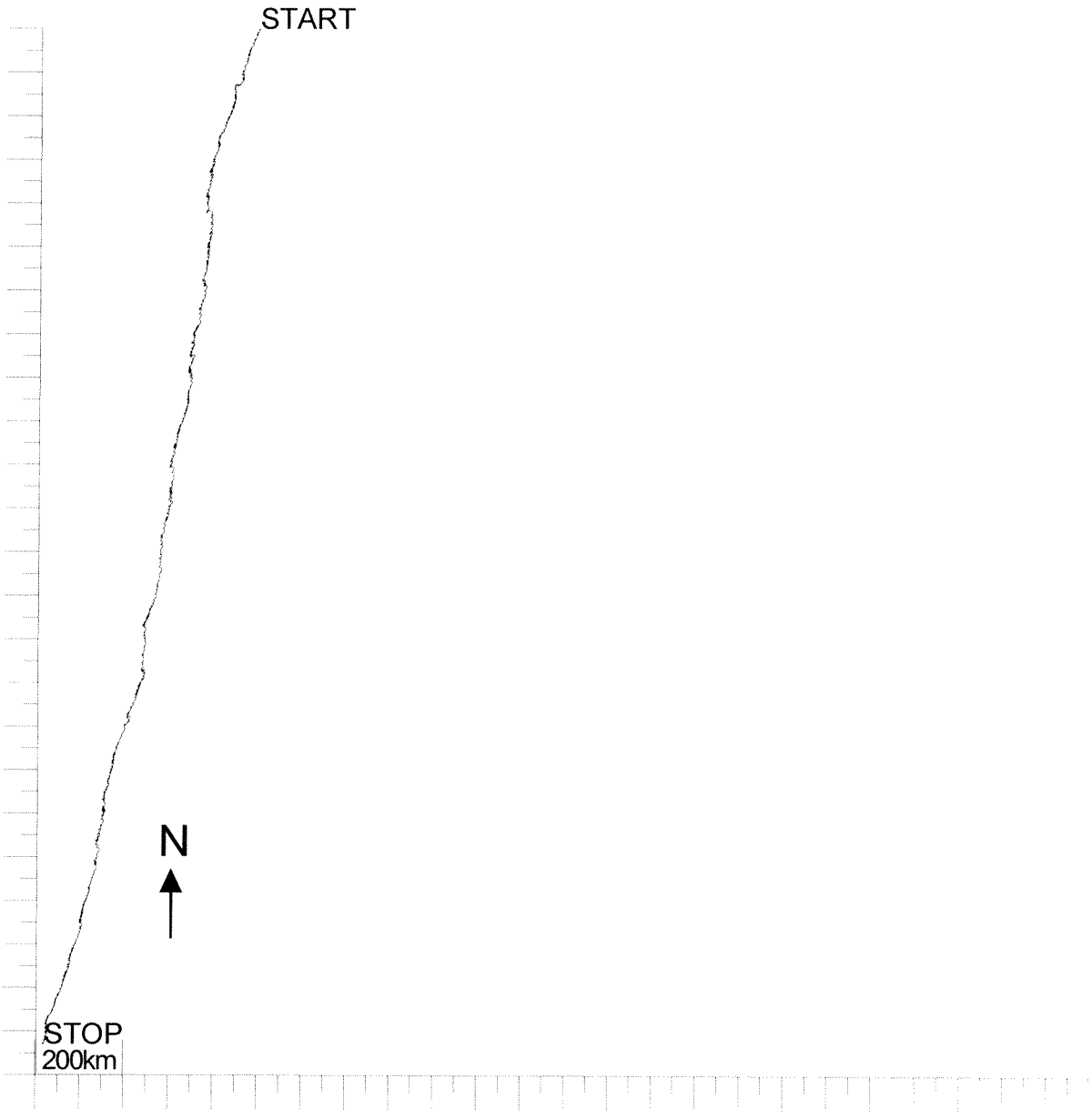
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	0	0	0	0	0	0	0	0	1	0	5	5
100 - 150	7	6	5	3	3	1	1	3	5	8	8	7	62	68
150 - 200	15	14	8	13	14	8	4	9	13	8	6	6	124	192
200 - 300	20	50	42	32	27	35	28	47	17	3	2	2	311	504
300 - 400	4	48	28	5	3	12	48	56	3	0	0	0	210	715
400 - 500	0	28	6	0	0	2	39	55	0	0	0	0	135	850
500 - 600	0	8	0	0	0	0	26	41	0	0	0	0	77	927
600 - 700	0	1	0	0	0	0	15	28	0	0	0	0	44	972
700 - 800	0	0	0	0	0	0	6	15	0	0	0	0	21	994
800 - 900	0	0	0	0	0	0	1	3	0	0	0	0	4	998
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	48	158	92	56	49	61	171	262	40	21	19	18		
Rel.flux (ppt)	31	153	77	38	31	48	218	346	25	10	9	8		
Avg.spd (mm/s)	213	323	280	228	217	264	426	441	210	161	153	159		
Max.spd (mm/s)	482	672	594	489	470	564	930	971	452	261	321	336		

6486_001
From 1982/09/15 to 1983/04/16.



Progressive vector diagram
6486_001



Deployment: 2984_013 analyzed from beginning to end
Instrument no.: 2984
Instrument type: Aanderaa
Latitude: 61 47.610 N
Longitude: 6 12.610 W
Bottom depth: 117
Instrument depth: 40
Number of records: 3492
Time of first rec: 19830913 1045
Time of last rec : 19831125 0415
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3492	0
Column 5: Speed	3492	0
Column 6: Direct	3492	0

Comments
Time of last record on tape checked and correct.

Residual current: 142 mm/sec towards: 192 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

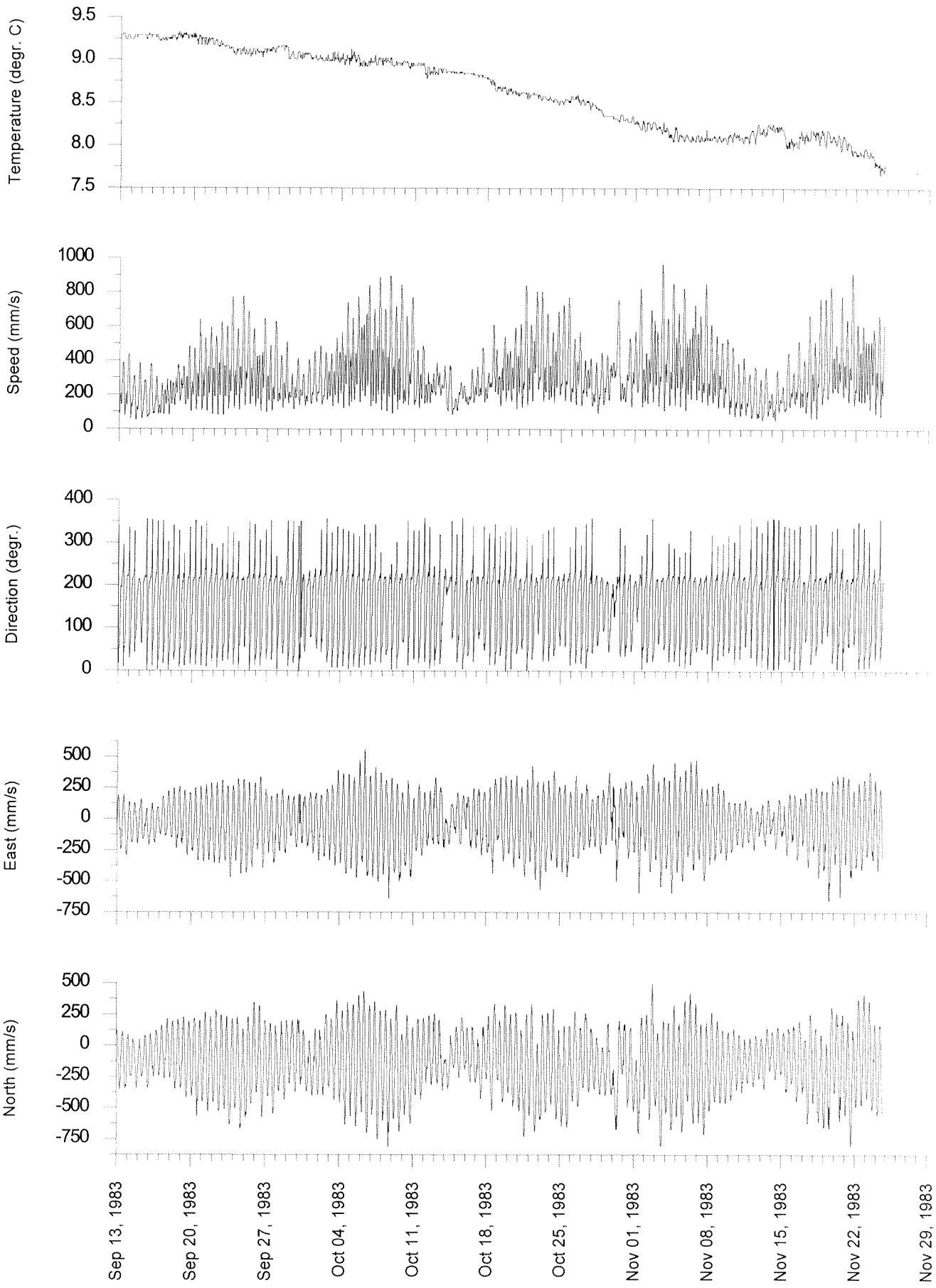
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	1	33	24	186	24	1	93	186	C	
MSF	.00282193	17	238	31	226	36	3	62	228	A	
Q1	.03721850	7	266	17	229	18	4	69	234	A	
O1	.03873065	32	287	50	268	59	9	58	273	A	
NO1	.04026859	5	28	6	60	7	2	52	48	C	
P1	.04155259	12	131	12	112	17	3	43	122	A	I
K1	.04178075	35	147	38	128	51	8	48	137	A	
N2	.07899925	57	215	57	186	78	20	45	200	A	
M2	.08051140	266	255	307	221	389	115	50	235	A	
L2	.08202355	12	43	10	296	13	9	155	240	A	
S2	.08333334	96	283	105	257	139	31	48	269	A	
K2	.08356149	26	283	28	257	38	8	48	269	A	I
MK3	.12229210	6	130	3	52	6	3	7	127	A	
M4	.16102280	8	223	7	117	8	6	148	68	A	
MS4	.16384470	9	236	4	167	9	3	9	232	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

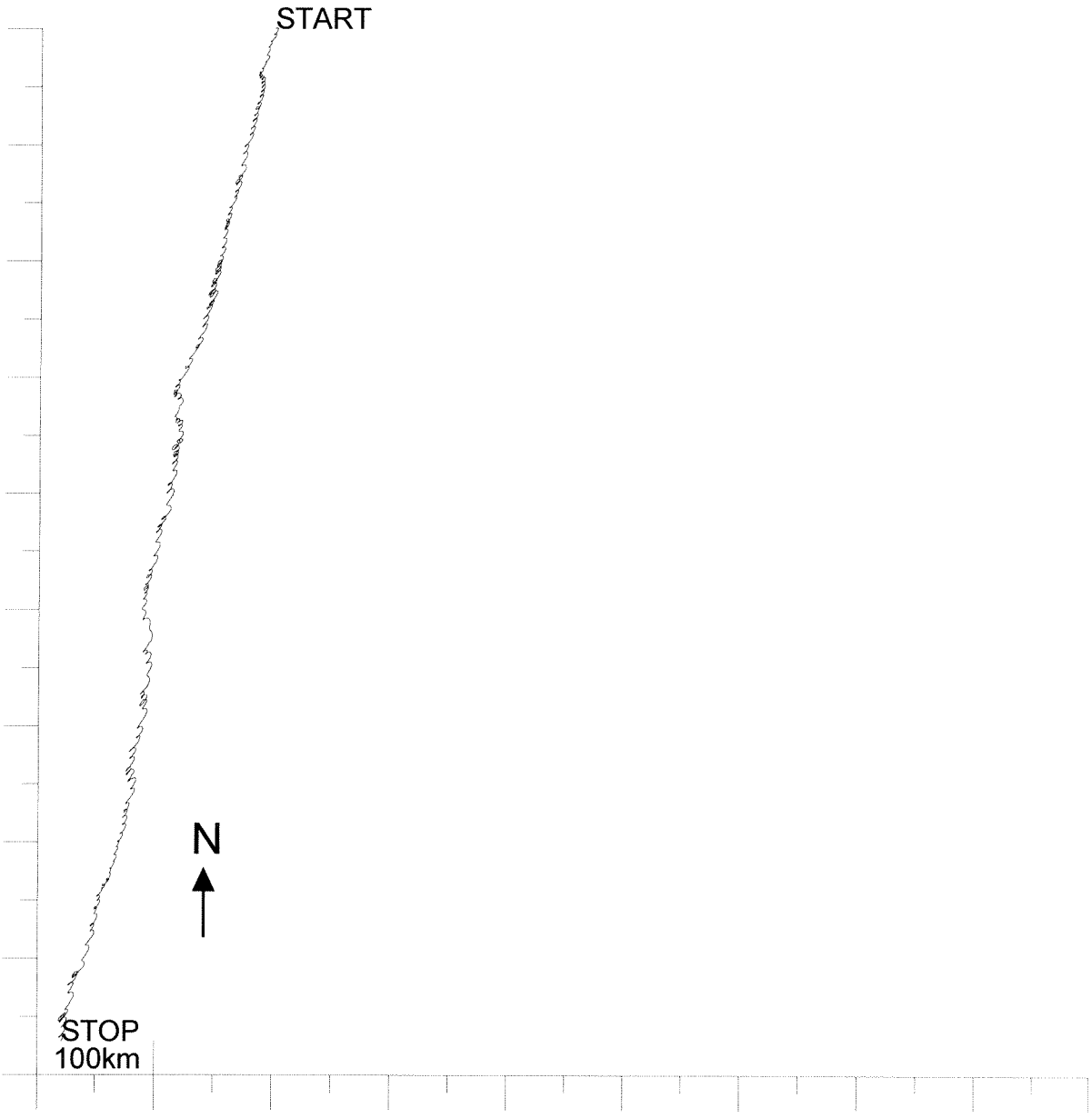
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	2	4	2	2	0	0	0	2	4	3	3	4	30	30
100 - 150	7	6	8	8	6	4	4	9	7	6	6	7	83	113
150 - 200	15	18	16	15	12	12	10	17	8	5	4	7	144	258
200 - 300	19	43	45	27	22	36	34	50	8	2	1	0	293	551
300 - 400	2	42	22	3	4	15	48	52	0	0	0	0	193	745
400 - 500	0	17	2	0	0	3	41	44	0	0	0	0	109	855
500 - 600	0	6	0	0	0	0	23	34	0	0	0	0	64	919
600 - 700	0	1	0	0	0	0	14	22	0	0	0	0	39	959
700 - 800	0	0	0	0	0	0	6	20	0	0	0	0	26	985
800 - 900	0	0	0	0	0	0	2	10	0	0	0	0	12	998
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	47	141	98	56	46	72	187	265	30	17	16	19		
Rel.flux (ppt)	29	132	76	36	31	57	238	356	16	7	6	8		
Avg.spd (mm/s)	199	300	247	207	213	253	407	429	171	144	138	139		
Max.spd (mm/s)	463	676	530	377	344	470	930	967	497	246	276	228		

2984_013
From 1983/09/13 to 1983/11/25.



Progressive vector diagram
2984_013



Deployment: 2986_014 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 61 47.800 N
Longitude: 6 12.200 W
Bottom depth: 124
Instrument depth: 40
Number of records: 9375
Time of first rec: 19831206 2245
Time of last rec : 19840619 0545
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	9375	0
Column 5: Speed	9375	0
Column 6: Direct	9375	0

Comments
Time of last record on tape could not be checked.

Residual current: 112 mm/sec towards: 195 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

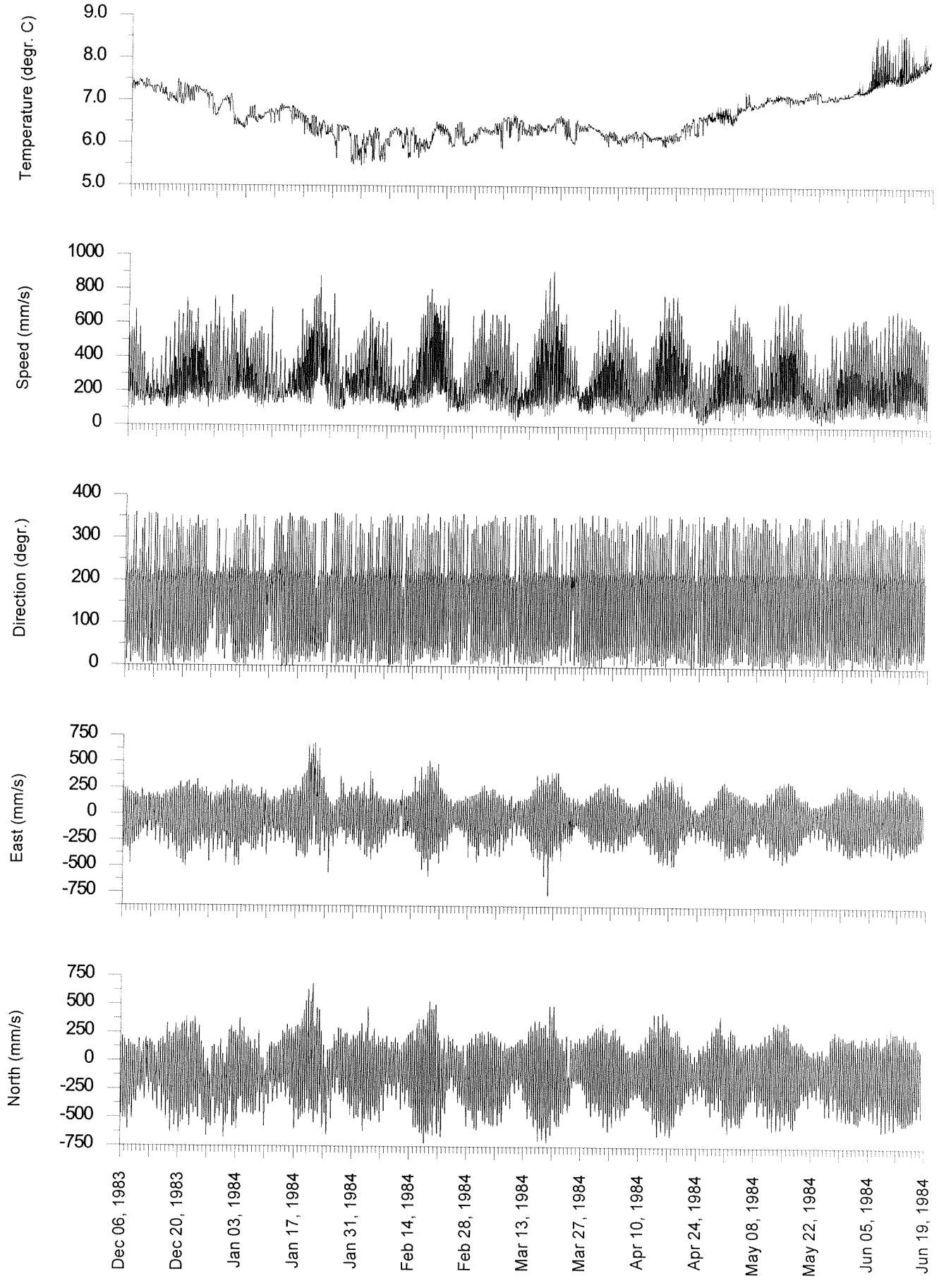
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
MM	.00151215	5	3	11	276	11	5	88	277	A
MSF	.00282193	2	169	15	278	15	2	93	279	C
Q1	.03721850	5	251	13	234	14	1	70	236	A
O1	.03873065	24	277	39	264	45	5	58	268	A
NO1	.04026859	4	328	3	249	4	3	32	301	A
P1	.04155259	11	145	16	114	18	5	58	123	A
K1	.04178075	22	150	32	139	39	4	55	143	A
N2	.07899925	48	225	64	201	78	16	53	210	A
M2	.08051140	231	256	303	224	368	100	54	235	A
L2	.08202355	8	17	8	262	9	6	137	228	A
S2	.08333334	87	289	106	263	134	30	51	273	A
K2	.08356149	22	282	28	262	35	6	52	269	A
MK3	.12229210	4	148	2	40	4	2	168	334	A
M4	.16102280	9	218	3	136	9	3	3	217	A
MS4	.16384470	7	250	2	192	7	1	7	248	A

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

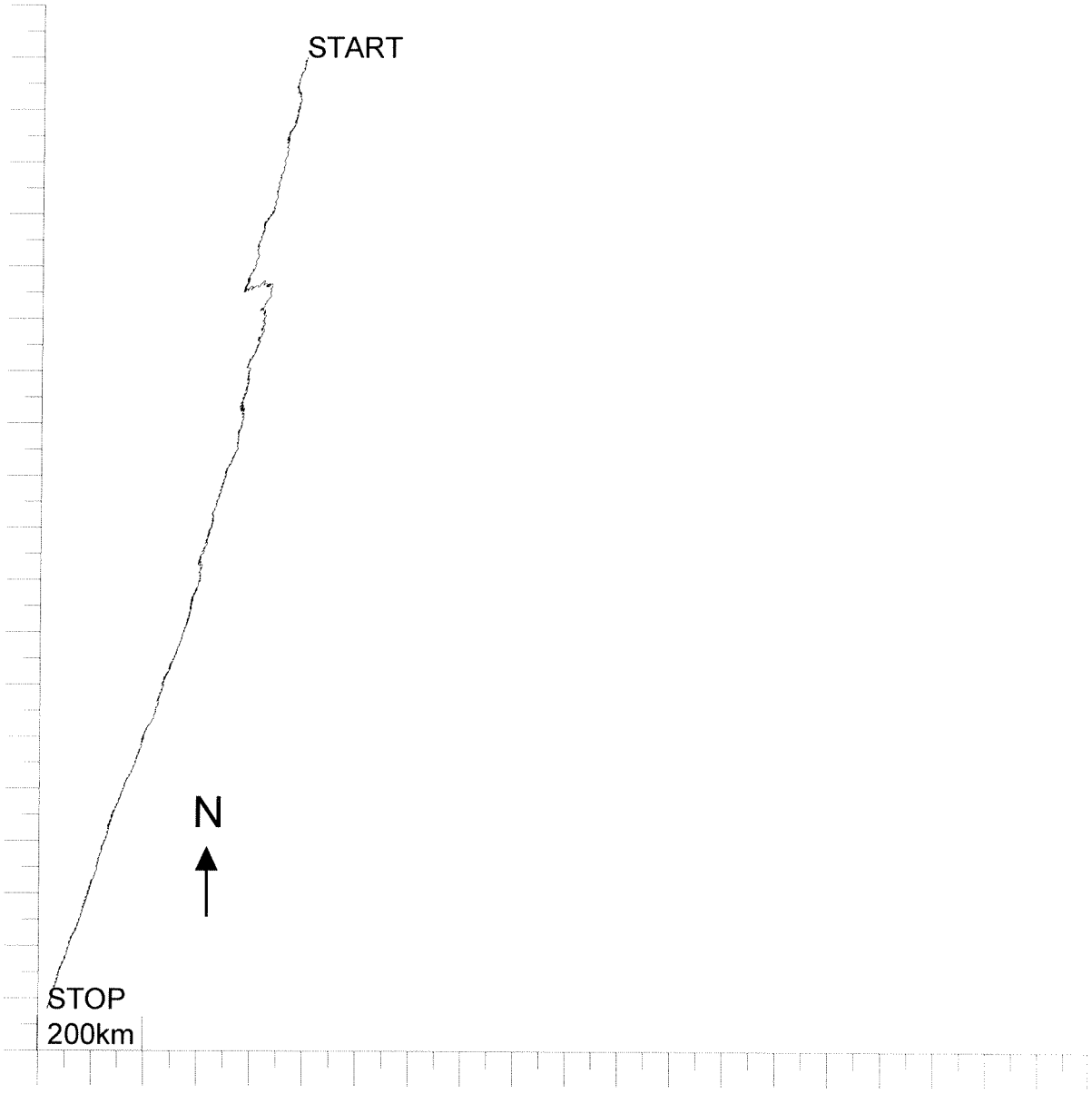
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	4	4
50 - 100	4	2	3	1	2	0	1	2	5	5	4	3	37	42
100 - 150	13	13	11	13	11	6	5	12	12	8	10	11	131	173
150 - 200	24	25	21	19	20	18	10	22	8	3	4	5	182	356
200 - 300	25	59	25	9	7	27	45	51	5	0	0	1	261	618
300 - 400	5	38	5	0	0	4	55	48	0	0	0	0	159	778
400 - 500	1	16	0	0	0	0	39	41	0	0	0	0	100	878
500 - 600	0	5	0	0	0	0	27	35	0	0	0	0	68	947
600 - 700	0	2	0	0	0	0	14	23	0	0	0	0	40	988
700 - 800	0	1	0	0	0	0	2	5	0	0	0	0	9	997
800 - 900	0	0	0	0	0	0	0	0	0	0	0	0	1	999
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	75	166	69	45	41	59	202	245	33	18	20	21		
Rel.flux (ppt)	53	165	50	26	24	43	267	325	17	7	8	10		
Avg.spd (mm/s)	202	288	209	169	168	213	384	383	152	118	122	136		
Max.spd (mm/s)	687	885	765	568	385	456	810	911	418	299	254	321		

2986_014
From 1983/12/06 to 1984/06/19.



Progressive vector diagram
2986_014



Deployment: 2986_016 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 61 47.000 N
Longitude: 6 10.000 W
Bottom depth: 130
Instrument depth: 40
Number of records: 8590
Time of first rec: 19841021 1345
Time of last rec : 19850418 1215
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	8590	0
Column 5: Speed	8590	0
Column 6: Direct	8590	0
Column 7: Salt	8590	0

Comments
Time of last record on tape could not be checked. Salinity was not calibrated and absolute salinities are not reliable.

Residual current: 106 mm/sec towards: 197 degrees

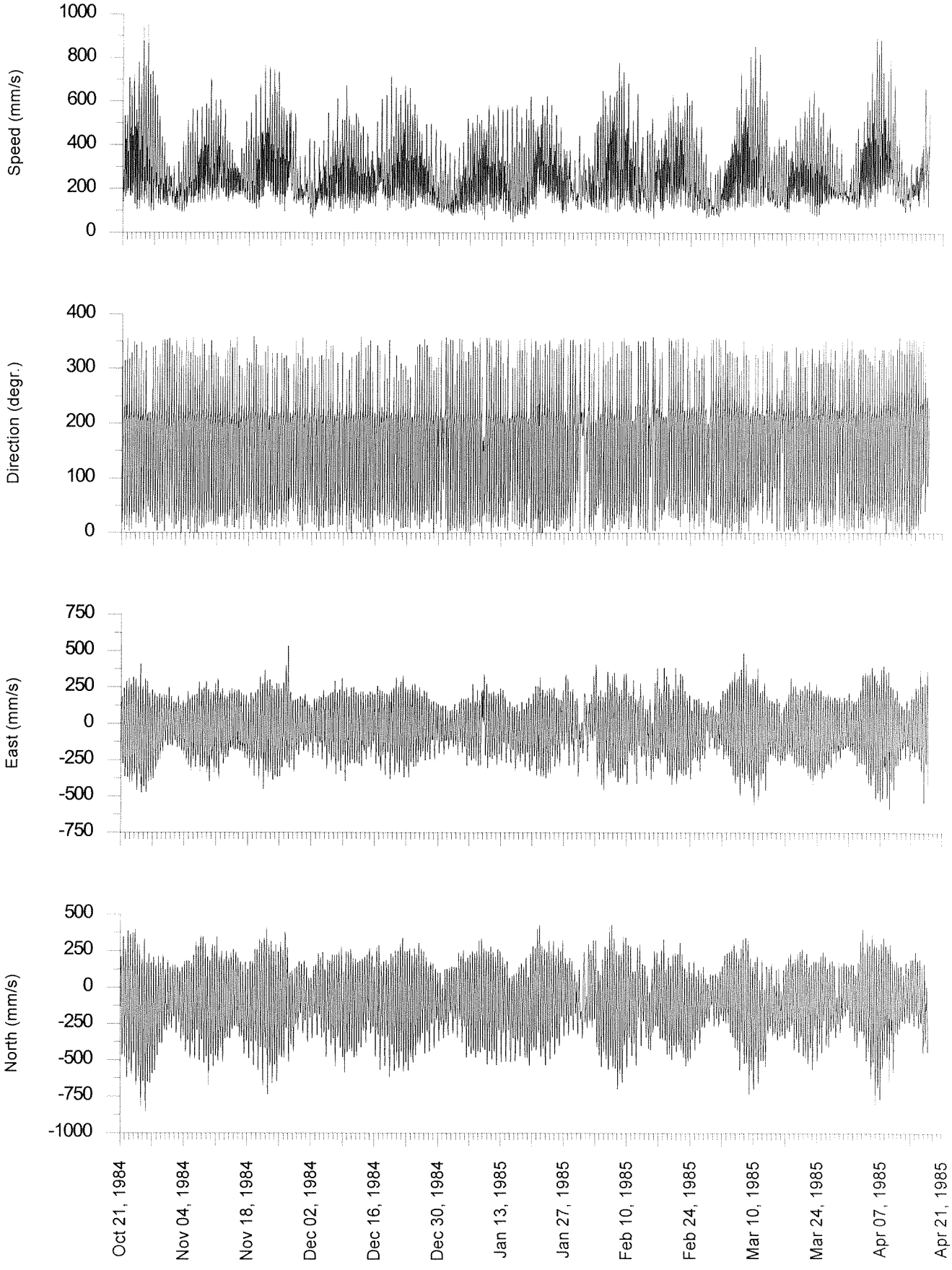
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	11	249	23	226	25	4	65	231	A	
MSF	.00282193	7	248	19	254	20	1	71	254	C	
Q1	.03721850	7	240	16	239	17	0	66	239	A	
O1	.03873065	21	272	34	262	40	3	58	265	A	
NO1	.04026859	6	333	3	233	6	3	175	155	A	
P1	.04155259	7	142	11	122	13	2	56	128	A	I
K1	.04178075	20	159	34	137	39	7	60	143	A	
N2	.07899925	48	223	58	203	75	13	51	211	A	
M2	.08051140	232	258	291	224	357	106	53	237	A	
L2	.08202355	16	334	6	296	16	4	18	330	A	
S2	.08333334	80	287	97	262	123	26	51	272	A	
K2	.08356149	22	287	26	262	33	7	51	272	A	I
MK3	.12229210	2	80	1	56	2	0	18	78	A	
M4	.16102280	8	190	2	63	8	2	171	12	A	
MS4	.16384470	6	237	1	171	6	1	3	237	A	

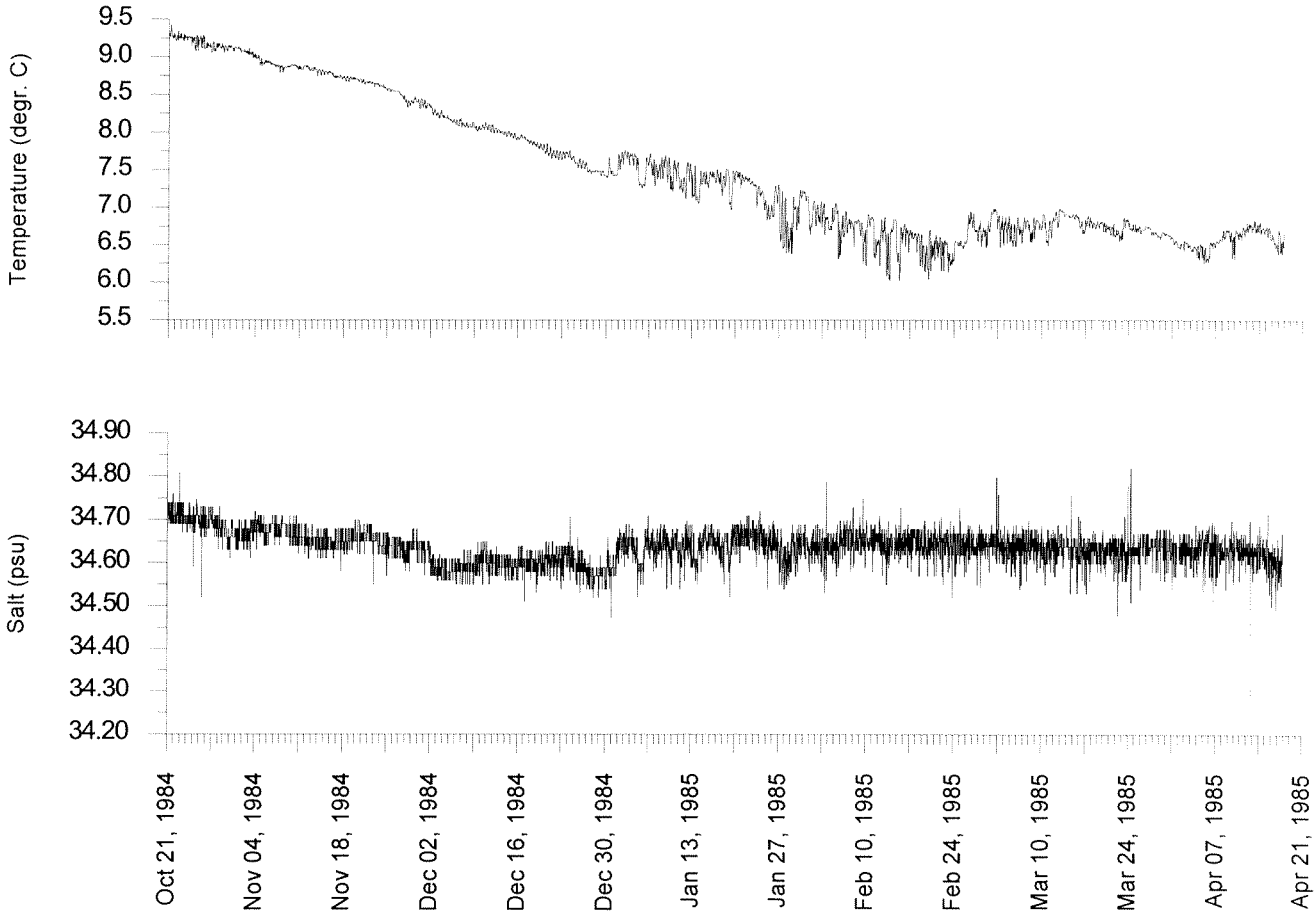
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	1	2	1	0	0	0	0	0	1	1	2	1	16	17
100 - 150	13	9	11	11	10	6	5	9	12	11	11	10	125	142
150 - 200	22	22	25	18	17	17	15	18	14	6	6	6	191	333
200 - 300	26	69	31	12	10	24	47	58	10	2	0	1	296	630
300 - 400	7	44	8	0	0	3	51	58	3	0	0	0	178	808
400 - 500	1	13	1	0	0	0	37	43	0	0	0	0	98	907
500 - 600	0	1	0	0	0	0	23	30	0	0	0	0	55	963
600 - 700	0	0	0	0	0	0	8	15	0	0	0	0	23	986
700 - 800	0	0	0	0	0	0	4	5	0	0	0	0	9	996
800 - 900	0	0	0	0	0	0	0	2	0	0	0	0	3	999
900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	72	162	81	43	40	53	195	243	44	22	21	20		
Rel.flux (ppt)	53	156	61	26	25	40	252	322	29	11	10	10		
Avg.spd (mm/s)	209	275	214	178	179	213	369	377	192	148	139	150		
Max.spd (mm/s)	493	526	545	396	463	474	956	956	635	344	295	302		

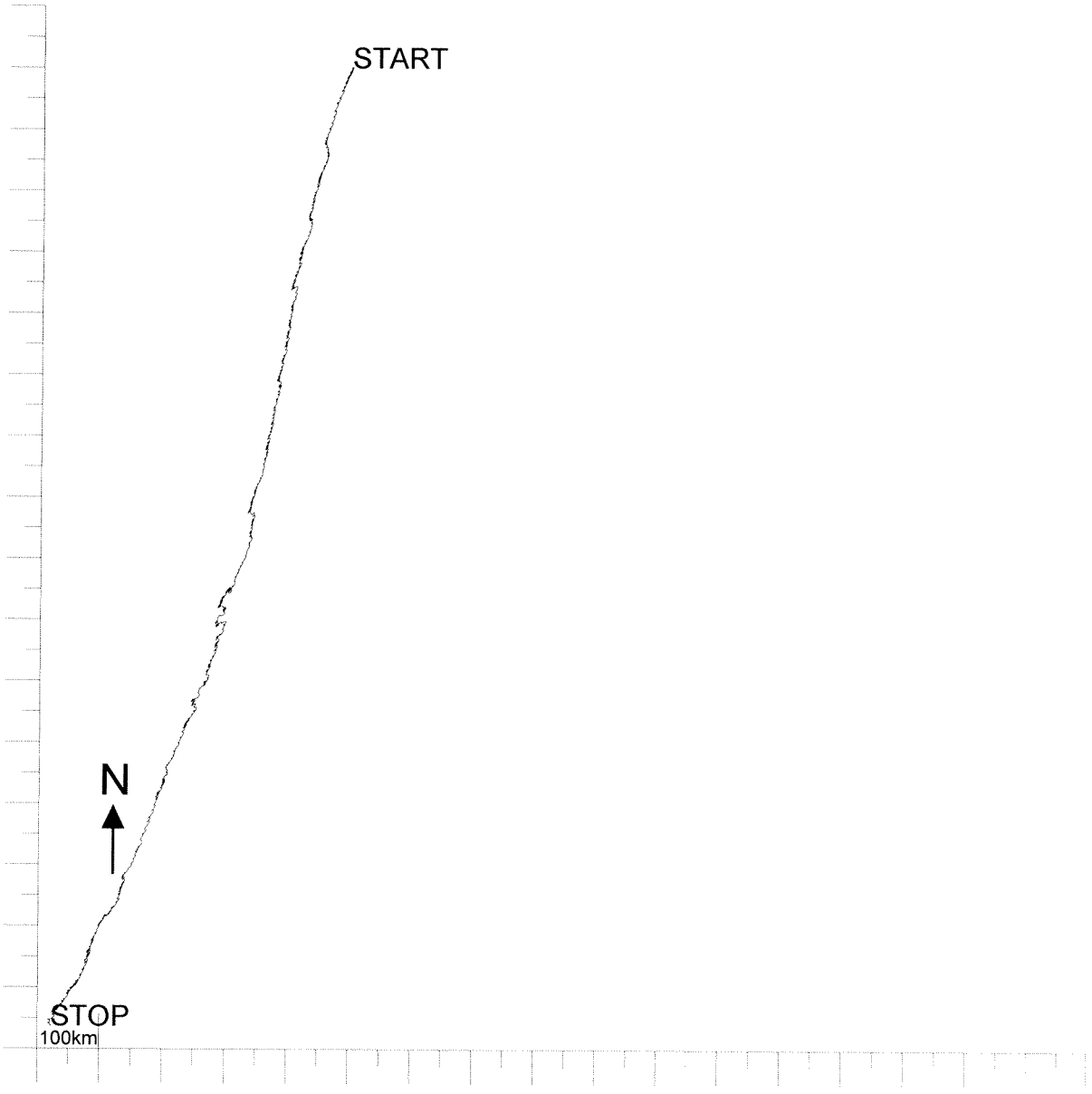
2986_016
From 1984/10/21 to 1985/04/18.



2986_016
From 1984/10/21 to 1985/04/18.



Progressive vector diagram
2986_016



Deployment: 2986_017 analyzed from beginning to end
Instrument no.: 2986
Instrument type: Aanderaa
Latitude: 61 47.000 N
Longitude: 6 9.850 W
Bottom depth: 135
Instrument depth: 40
Number of records: 6250
Time of first rec: 19851007 2131
Time of last rec : 19860625 0631
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	6174	76
Column 5: Speed	6174	76
Column 6: Direct	6174	76

Comments
Time of last record on tape checked and correct. In late January 1985 there is a gap of about 3 days duration where all parameters have been errorflagged

Residual current: 115 mm/sec towards: 203 degrees

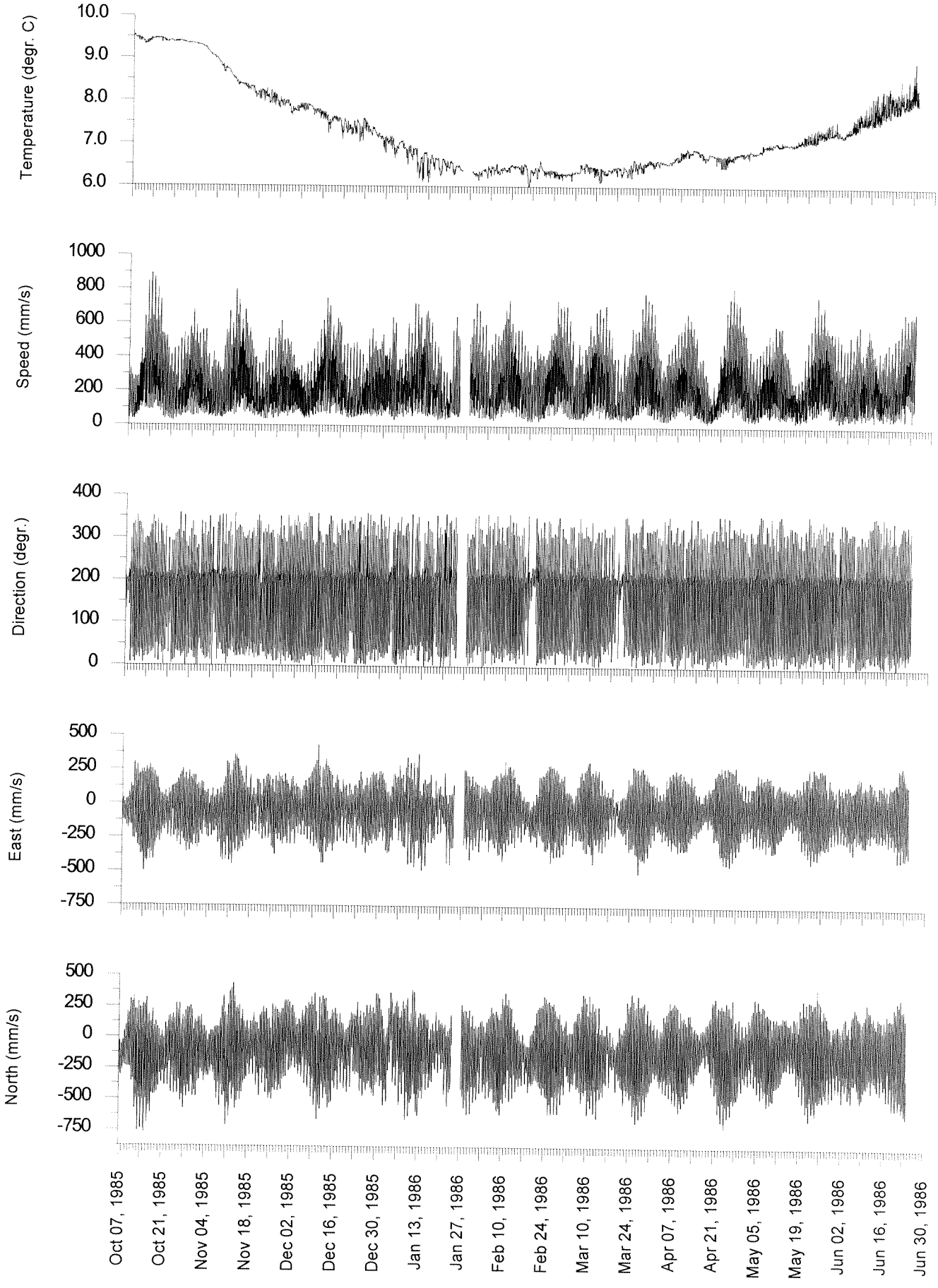
TIDAL ANALYSIS
Error flagged records interpolated for velocity: 0, records not int.: 76
Tidal analysis performed on unfiltered data

Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
MM	.00151215	2	116	12	237	12	1	94	238	C
MSF	.00282193	2	217	13	249	13	1	81	248	C
Q1	.03721850	8	224	14	232	16	1	61	230	C
O1	.03873065	21	269	33	260	39	3	58	263	A
NO1	.04026859	3	331	1	285	3	1	19	325	A
P1	.04155259	9	129	10	99	13	3	50	112	A
K1	.04178075	20	160	35	145	40	5	61	148	A
N2	.07899925	43	231	57	201	70	17	55	211	A
M2	.08051140	208	256	286	225	343	89	55	235	A
L2	.08202355	6	297	8	259	10	3	55	272	A
S2	.08333334	75	290	101	263	123	28	54	273	A
K2	.08356149	22	288	29	258	35	9	54	268	A
MK3	.12229210	2	153	1	42	2	1	170	337	A
M4	.16102280	5	243	3	271	6	1	31	251	C
MS4	.16384470	3	276	0	36	3	0	177	96	C

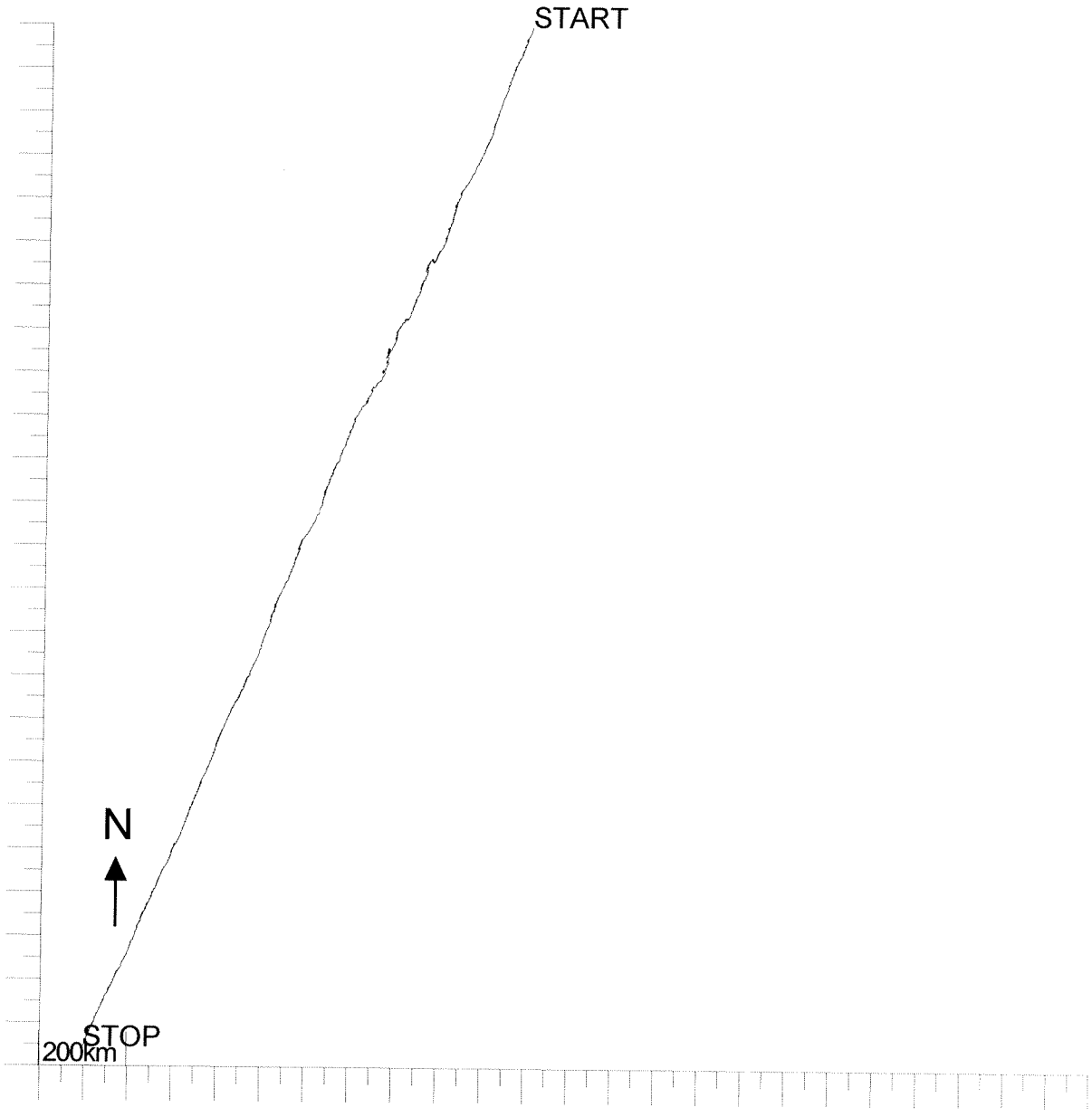
DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	2	0	1	3	3	1	0	0	0	3	5	1	25	25
50 - 100	9	8	13	17	17	7	3	4	9	17	24	10	144	169
100 - 150	16	16	16	11	15	12	7	11	10	7	5	8	140	310
150 - 200	15	24	15	5	6	13	13	14	11	0	0	2	124	434
200 - 300	22	54	12	1	1	16	41	55	4	0	0	0	212	647
300 - 400	8	36	1	0	0	2	55	57	0	0	0	0	163	811
400 - 500	0	7	0	0	0	0	40	53	0	0	0	0	103	914
500 - 600	0	0	0	0	0	0	24	29	0	0	0	0	55	969
600 - 700	0	0	0	0	0	0	8	13	0	0	0	0	22	991
700 - 800	0	0	0	0	0	0	2	4	0	0	0	0	6	998
800 - 900	0	0	0	0	0	0	0	0	0	0	0	0	1	1000
Total (ppt)	76	149	61	40	45	53	200	245	38	29	36	23		
Rel.flux (ppt)	56	143	36	16	19	36	286	352	21	9	10	9		
Avg.spd (mm/s)	190	248	154	107	110	174	367	370	144	86	76	100		
Max.spd (mm/s)	469	568	392	291	261	472	868	892	497	310	217	226		

2986_017
From 1985/10/07 to 1986/06/25.



Progressive vector diagram
2986_017



Deployment: 7075_011 analyzed from beginning to end
Instrument no.: 7075
Instrument type: Aanderaa
Latitude: 61 47.000 N
Longitude: 6 10.000 W
Bottom depth: 130
Instrument depth: 40
Number of records: 3733
Time of first rec: 19871006 1500
Time of last rec : 19880310 0300
Time between records (min.): 60.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	3732	1
Column 5: Speed	3733	0
Column 6: Direct	3733	0
Column 7: Salt	3732	1

Comments

Time of last record on tape could not be checked. Salinity was not calibrated and absolute salinities are not reliable.

Residual current: 101 mm/sec towards: 199 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis performed on unfiltered data

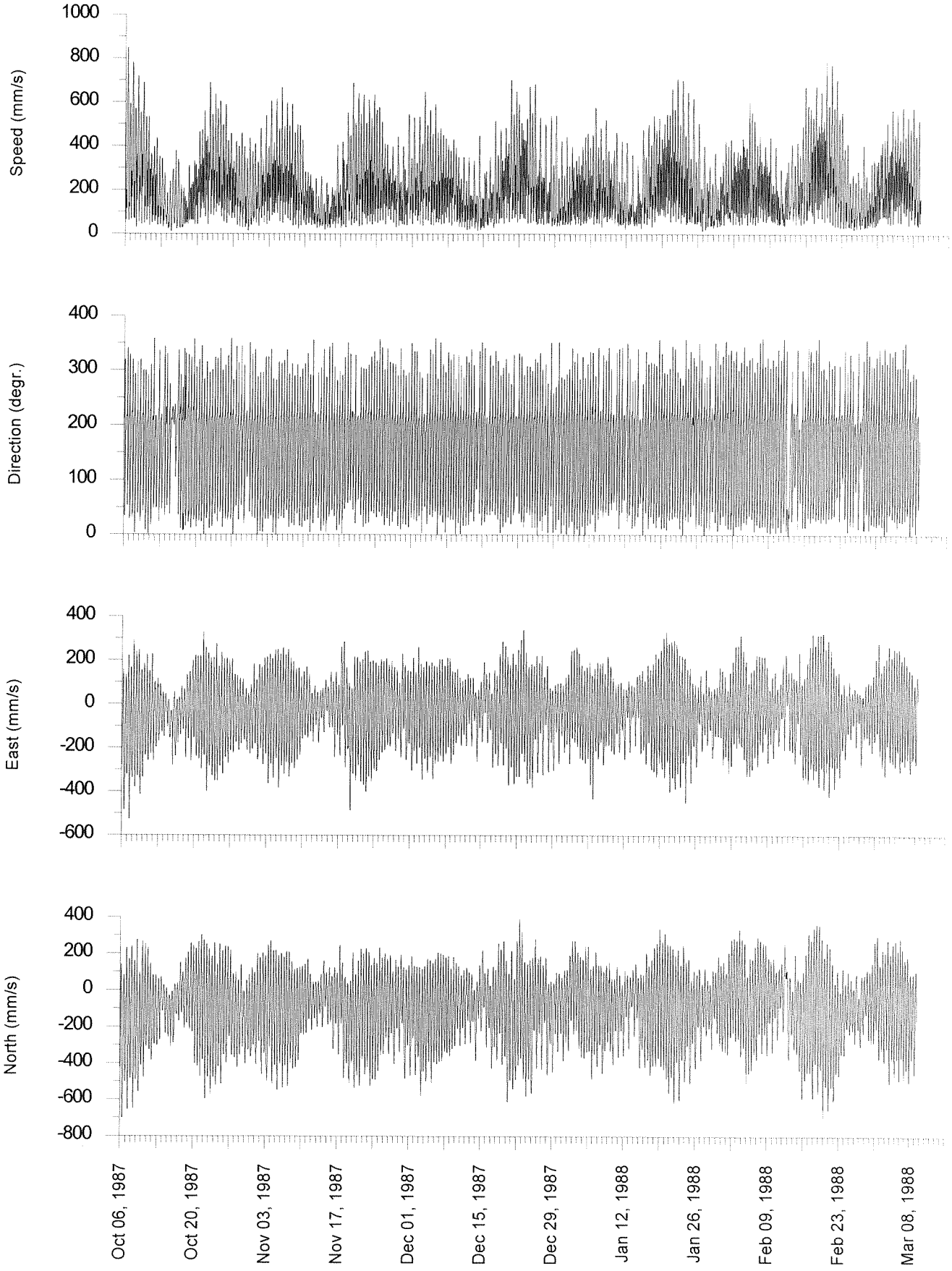
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	11	233	32	211	34	4	72	213	A	
MSF	.00282193	7	235	24	238	25	0	73	238	C	
Q1	.03721850	8	253	17	246	19	1	63	248	A	
O1	.03873065	22	275	33	264	39	3	56	267	A	
NO1	.04026859	2	216	2	150	2	2	43	185	A	
P1	.04155259	8	143	11	125	13	2	55	131	A	I
K1	.04178075	20	160	33	141	39	6	59	146	A	
N2	.07899925	40	233	53	204	65	16	54	214	A	
M2	.08051140	195	253	254	222	310	81	54	233	A	
L2	.08202355	3	9	2	315	4	1	21	0	A	
S2	.08333334	76	287	93	261	117	26	52	271	A	
K2	.08356149	21	287	25	261	32	7	52	271	A	I
MK3	.12229210	2	144	2	187	3	1	50	169	C	
M4	.16102280	5	273	8	281	9	1	59	279	C	
MS4	.16384470	3	258	3	329	3	2	47	296	C	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

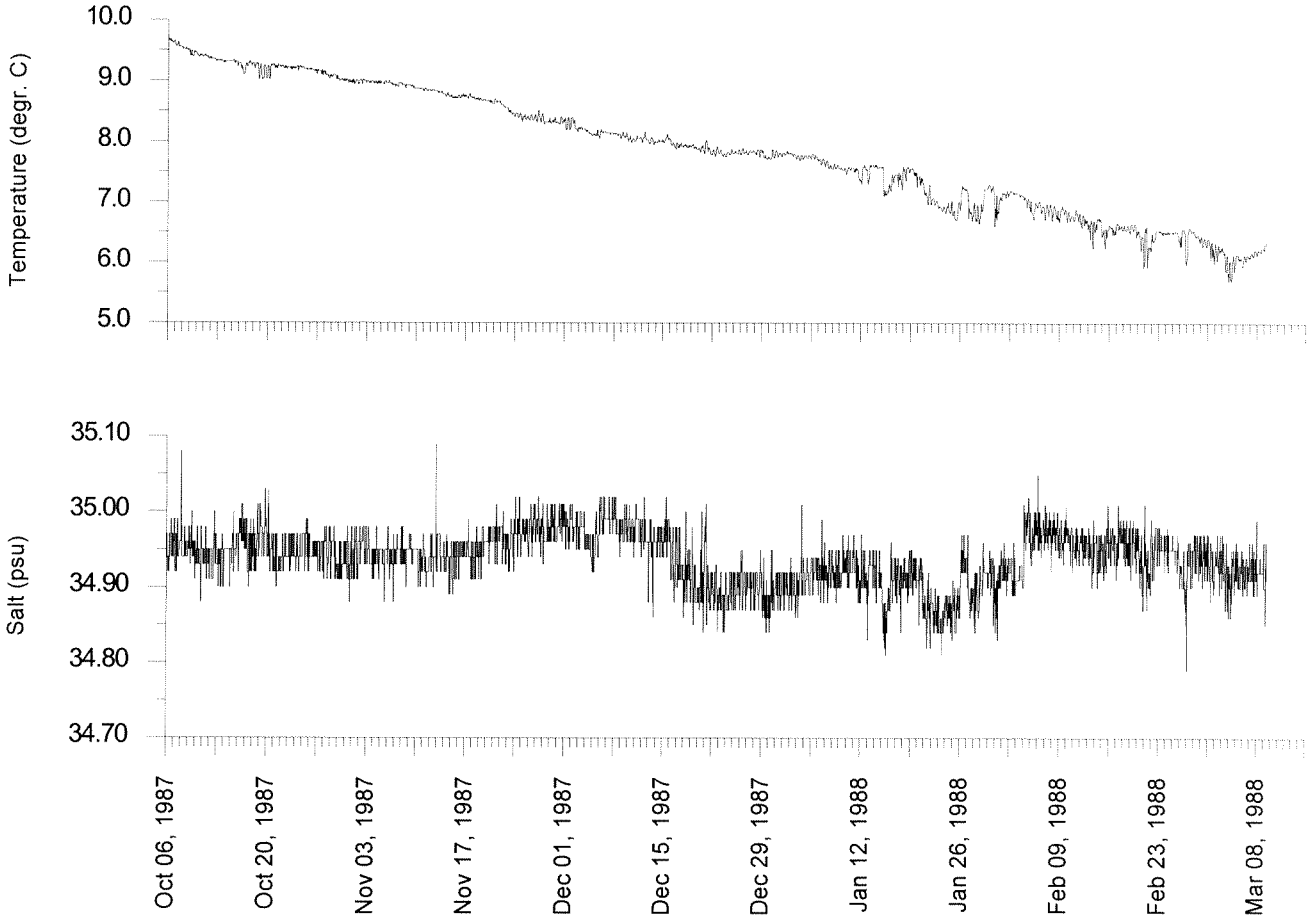
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	2	2	4	8	7	3	0	1	2	11	16	7	67	67
50 - 100	17	13	14	21	20	12	6	6	12	13	16	11	166	234
100 - 150	16	26	19	13	11	16	5	14	13	2	0	4	146	380
150 - 200	13	27	20	4	7	13	19	23	6	0	0	0	135	516
200 - 300	12	58	15	0	0	13	44	52	4	0	0	0	203	719
300 - 400	1	23	2	0	0	1	46	57	0	0	0	0	133	853
400 - 500	0	4	0	0	0	0	36	42	0	0	0	0	83	937
500 - 600	0	0	0	0	0	0	15	27	0	0	0	0	43	980
600 - 700	0	0	0	0	0	0	5	10	0	0	0	0	15	995
700 - 800	0	0	0	0	0	0	1	2	0	0	0	0	3	999
800 - 900	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	65	157	76	48	47	60	181	238	40	28	33	23		
Rel.flux (ppt)	41	150	51	19	20	40	268	361	22	7	8	7		
Avg.spd (mm/s)	147	217	153	93	98	152	338	345	125	63	54	72		
Max.spd (mm/s)	362	476	379	242	298	339	802	849	323	168	128	179		

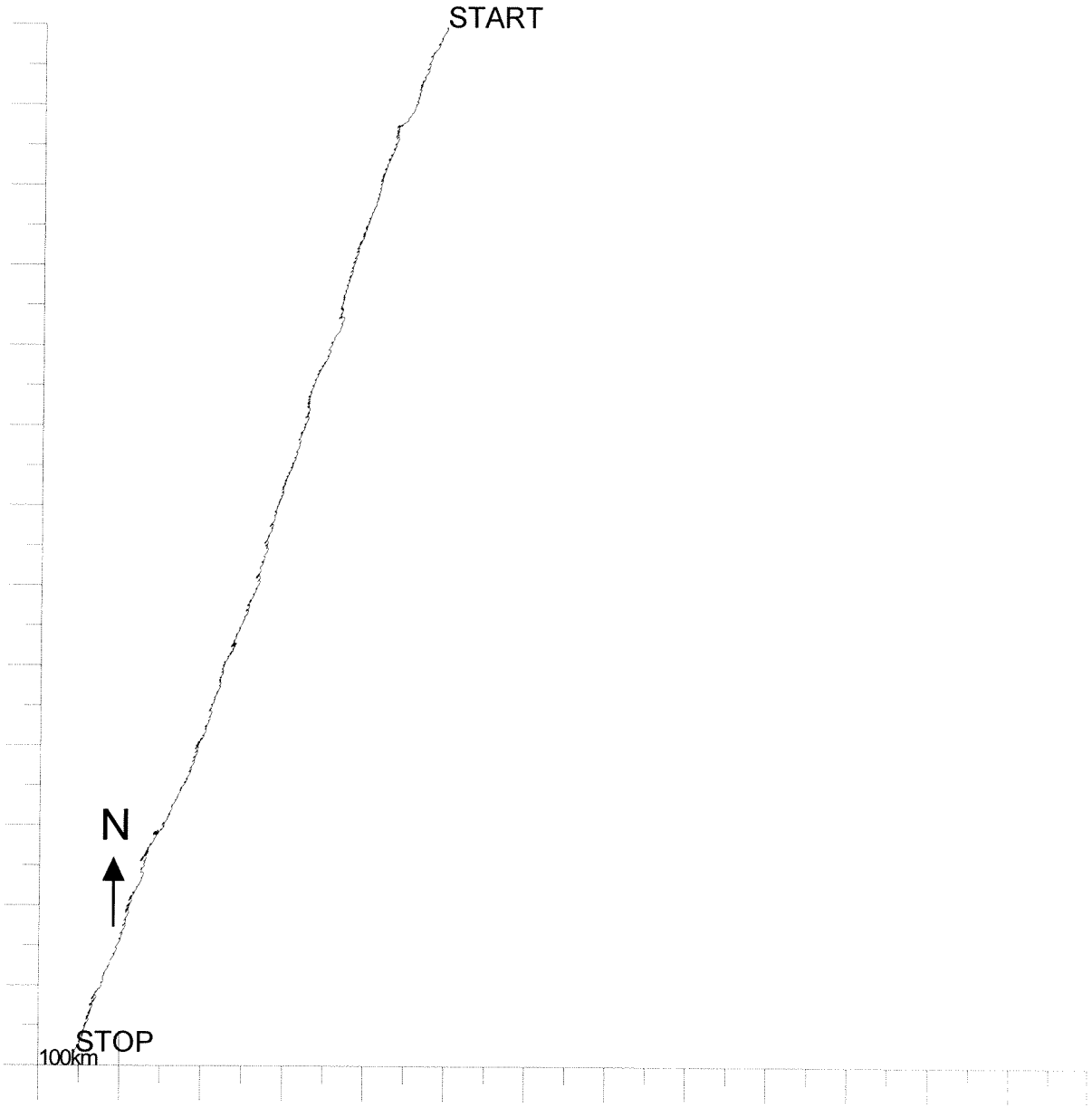
7075_011.
From 1987/10/06 to 1988/03/10.



7075_011.
From 1987/10/06 to 1988/03/10.



Progressive vector diagram
7075_011



Deployment: 9041_001 analyzed from beginning to end
Instrument no.: 9041
Instrument type: Aanderaa
Latitude: 62 15.400 N
Longitude: 6 3.370 W
Bottom depth: 101
Instrument depth: 40
Number of records: 5121
Time of first rec: 19870702 1221
Time of last rec : 19870911 1628
Time between records (min.): 20.017

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	5121	0
Column 5: Speed	5119	2
Column 6: Direct	5121	0

Comments

An error in the electronics of the instrument increased the sampling interval from the nominal 20 minutes to 20.017. This makes the series unsuitable for a standard tidal analysis. The compass also was affected by a steel shackle beneath it during strong current periods when the instrument tilted much. The direction values in the data file have been adjusted for this, but should be used with care

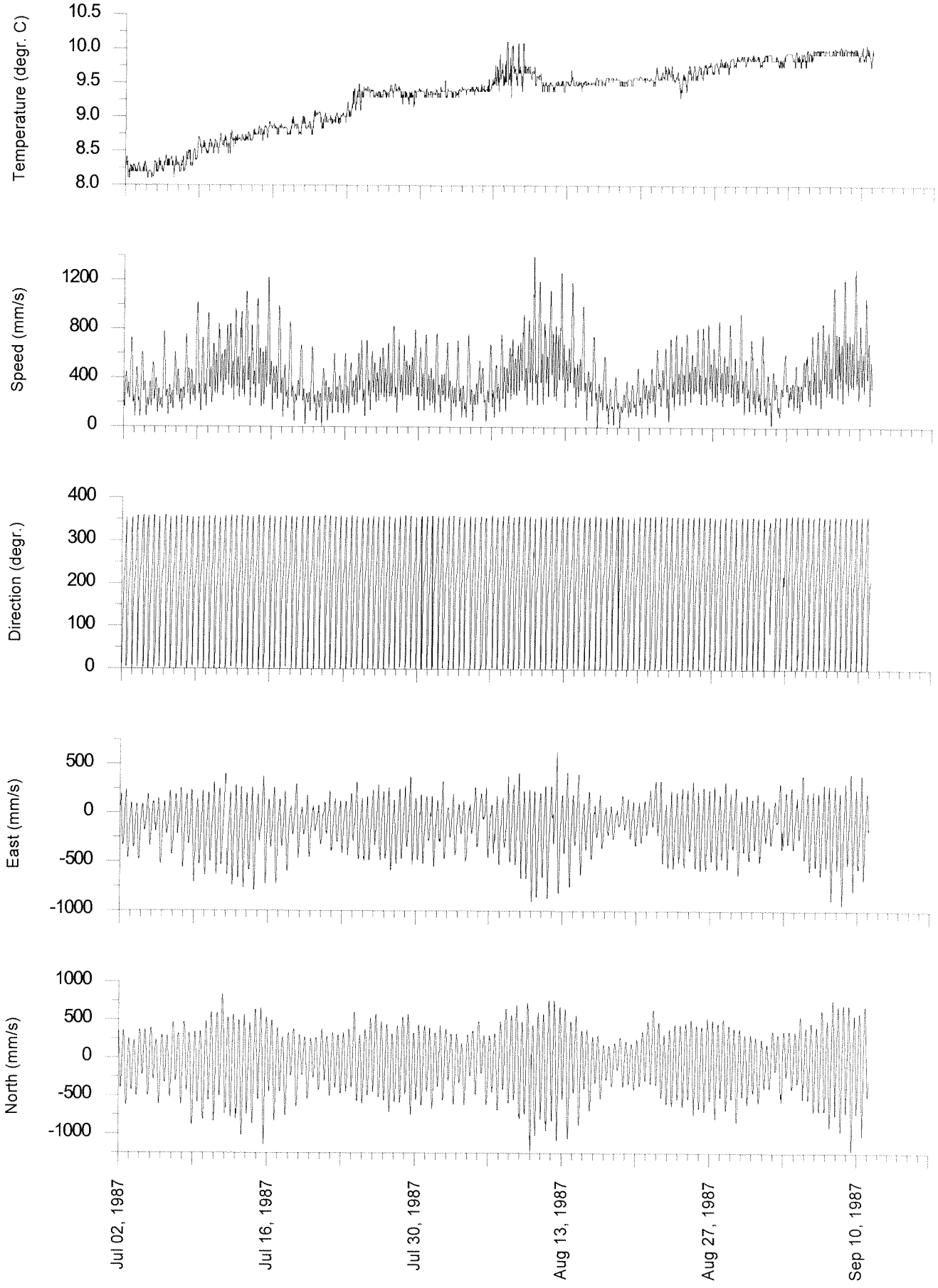
Residual current: 132 mm/sec towards: 250 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

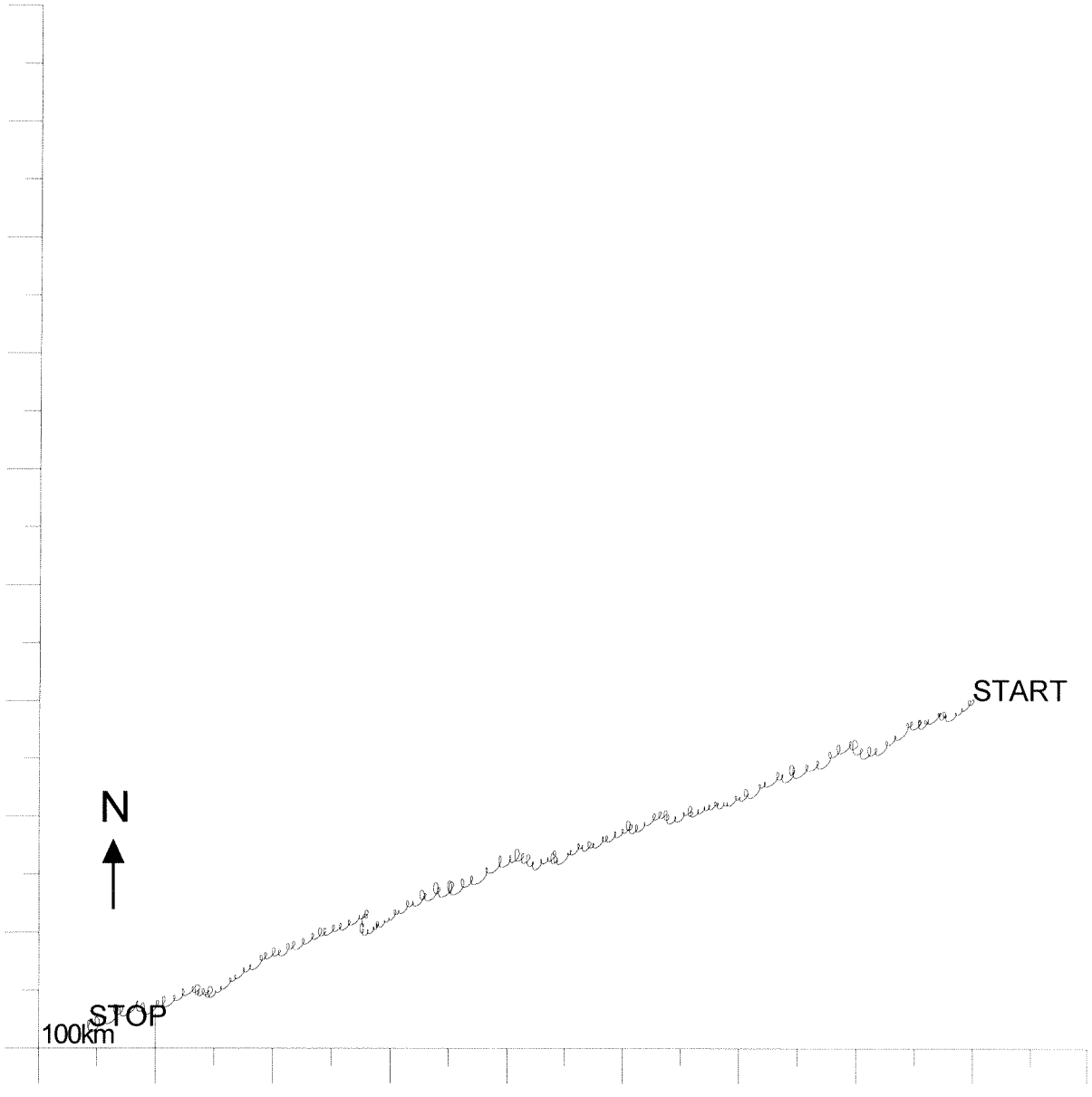
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals												All dir.	
	15	45	75	105	135	165	195	225	255	285	315	345	Tot	Acc
0 - 50	1	1	0	0	0	0	0	0	0	0	0	0	6	6
50 - 100	2	1	2	2	1	0	0	0	0	0	0	0	13	19
100 - 150	4	7	5	4	2	0	0	0	0	1	1	0	31	50
150 - 200	12	8	5	4	5	4	1	1	2	7	7	6	66	117
200 - 300	33	14	8	13	11	11	7	9	15	28	36	30	220	338
300 - 400	35	7	3	6	14	17	15	13	27	17	20	55	234	572
400 - 500	24	0	0	1	4	16	19	24	19	3	3	34	151	724
500 - 600	12	0	0	0	2	8	22	21	14	0	0	20	101	826
600 - 700	5	0	0	0	0	4	16	31	7	0	0	11	76	902
700 - 800	0	0	0	0	0	3	12	22	3	0	0	2	45	948
800 - 900	0	0	0	0	0	1	8	10	1	0	0	0	23	971
900 - 1000	0	0	0	0	0	0	4	7	0	0	0	0	13	984
1000 - 1100	0	0	0	0	0	0	2	3	0	0	0	0	6	991
1100 - 1200	0	0	0	0	0	0	1	3	0	0	0	0	5	996
1200 - 1300	0	0	0	0	0	0	0	1	0	0	0	0	2	999
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	132	42	26	33	43	67	113	151	94	58	70	163		
Rel.flux (ppt)	110	22	12	19	32	69	160	228	98	39	47	158		
Avg.spd (mm/s)	342	219	196	230	309	420	580	617	425	274	276	398		
Max.spd (mm/s)	805	447	389	524	815	1105	1376	1395	969	786	476	834		

9041_001
From 1987/07/02 to 1987/09/11.



Progressive vector diagram
9041_001 NANSEN 1987



Deployment: 9494_M94 analyzed from beginning to end
Instrument no.: 9494
Instrument type: Aanderaa
Latitude: 62 15.030 N
Longitude: 6 3.320 W
Bottom depth: 96
Instrument depth: 20
Number of records: 1867
Time of first rec: 19940306 0650
Time of last rec : 19940401 0450
Time between records (min.): 20.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	0	1867
Column 5: Speed	1867	0
Column 6: Direct	1867	0
Column 7: Salt	0	1867
Column 8: Press	1867	0

Comments
The temperature observations are erroneous and both temperature and salinity are errorflagged throughout the series.

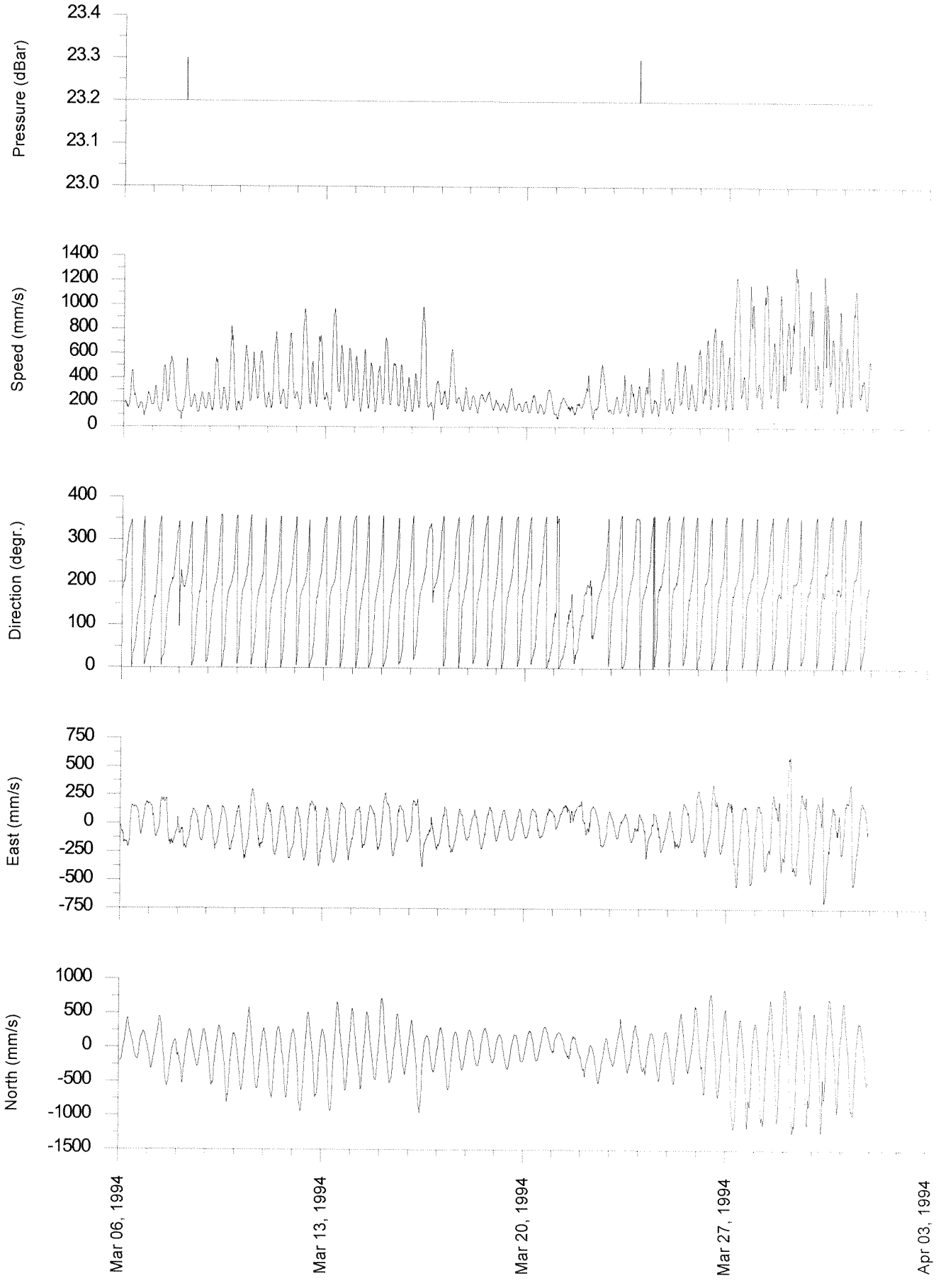
Residual current: 82 mm/sec towards: 200 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

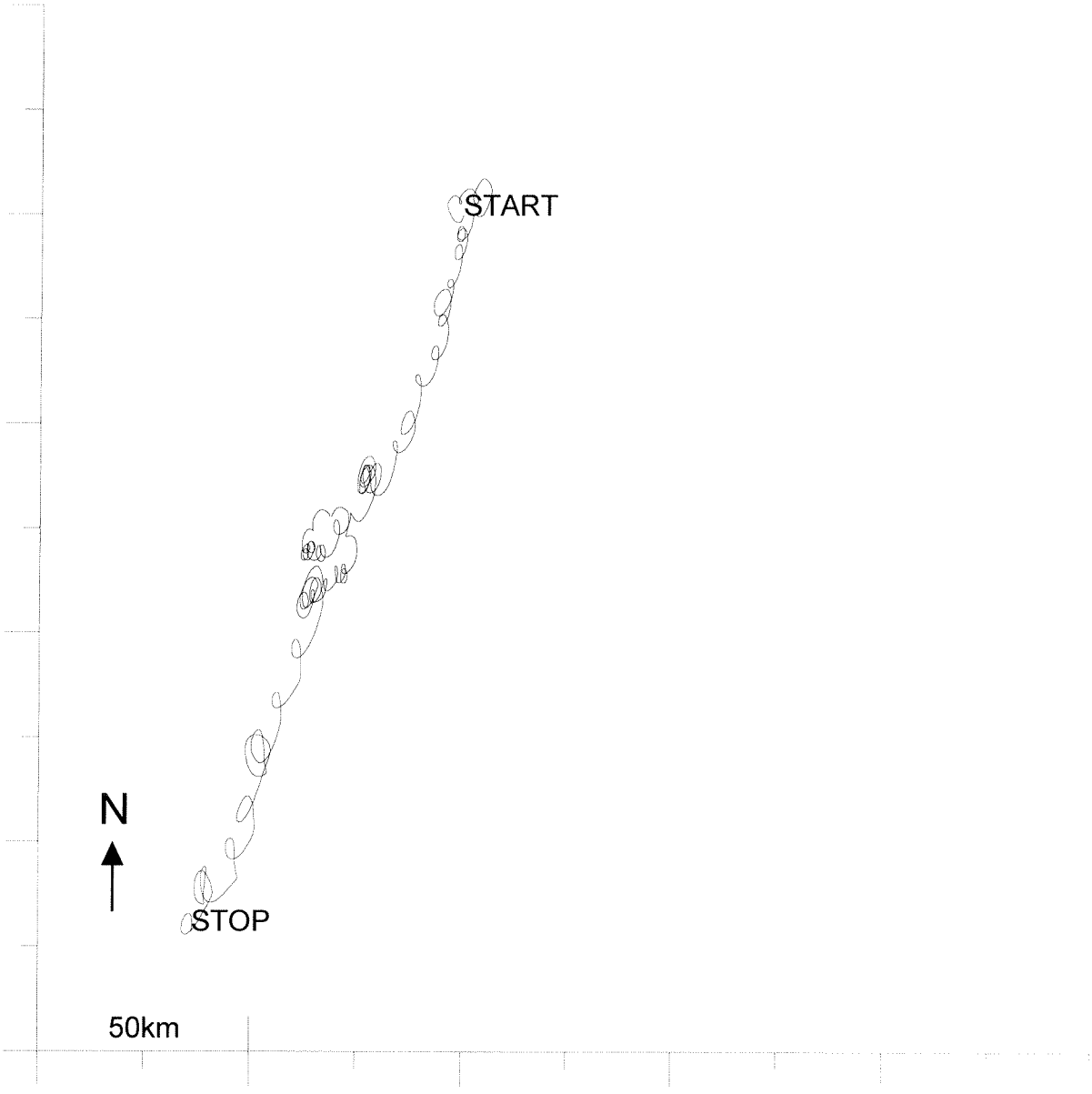
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	0	0	1	2	1	0	1	0	0	0	0	1	9	9
100 - 150	3	10	16	21	12	3	2	3	11	17	13	3	119	129
150 - 200	17	20	18	19	23	16	10	13	16	10	18	17	202	332
200 - 300	36	32	5	2	16	29	26	24	14	14	20	42	265	597
300 - 400	21	9	0	0	3	21	21	20	4	4	6	11	125	723
400 - 500	18	4	0	0	1	11	16	10	2	0	1	9	74	798
500 - 600	13	1	1	1	0	7	25	9	0	0	0	8	66	865
600 - 700	10	0	0	0	0	5	18	3	0	0	0	3	41	906
700 - 800	6	0	0	0	0	5	12	2	0	0	0	2	29	936
800 - 900	1	0	0	0	1	3	9	2	0	0	0	2	20	956
900 - 1000	0	0	0	0	0	4	10	3	0	0	0	0	17	974
1000 - 1100	0	0	0	0	0	3	5	1	0	0	0	0	11	985
1100 - 1200	0	0	0	0	0	2	6	0	0	0	0	0	9	994
1200 - 1300	0	0	0	0	0	1	3	0	0	0	0	0	4	999
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
Total (ppt)	129	78	43	47	58	116	171	95	49	47	61	101		
Rel.flux (ppt)	139	55	21	22	36	146	279	107	30	26	38	94		
Avg.spd (mm/s)	371	243	169	159	211	434	560	386	213	189	217	319		
Max.spd (mm/s)	825	636	505	598	854	1246	1319	1028	473	380	630	868		

9494_M94.
From 1994/03/06 to 1994/04/01.



Progressive vector diagram
9494_M94



Deployment: 7075_009 analyzed from beginning to end
Instrument no.: 7075
Instrument type: Aanderaa
Latitude: 62 14.720 N
Longitude: 5 33.610 W
Bottom depth: 253
Instrument depth: 241
Number of records: 931
Time of first rec: 19870221 2055
Time of last rec : 19870228 0755
Time between records (min.): 10.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	931	0
Column 5: Speed	768	163
Column 6: Direct	768	163
Column 7: Salt	931	0

Comments

Time of last record on tape checked and correct. Many records have been error-flagged for speed and direction in the beginning of the series. Salinity was not calibrated and absolute salinities are not reliable.

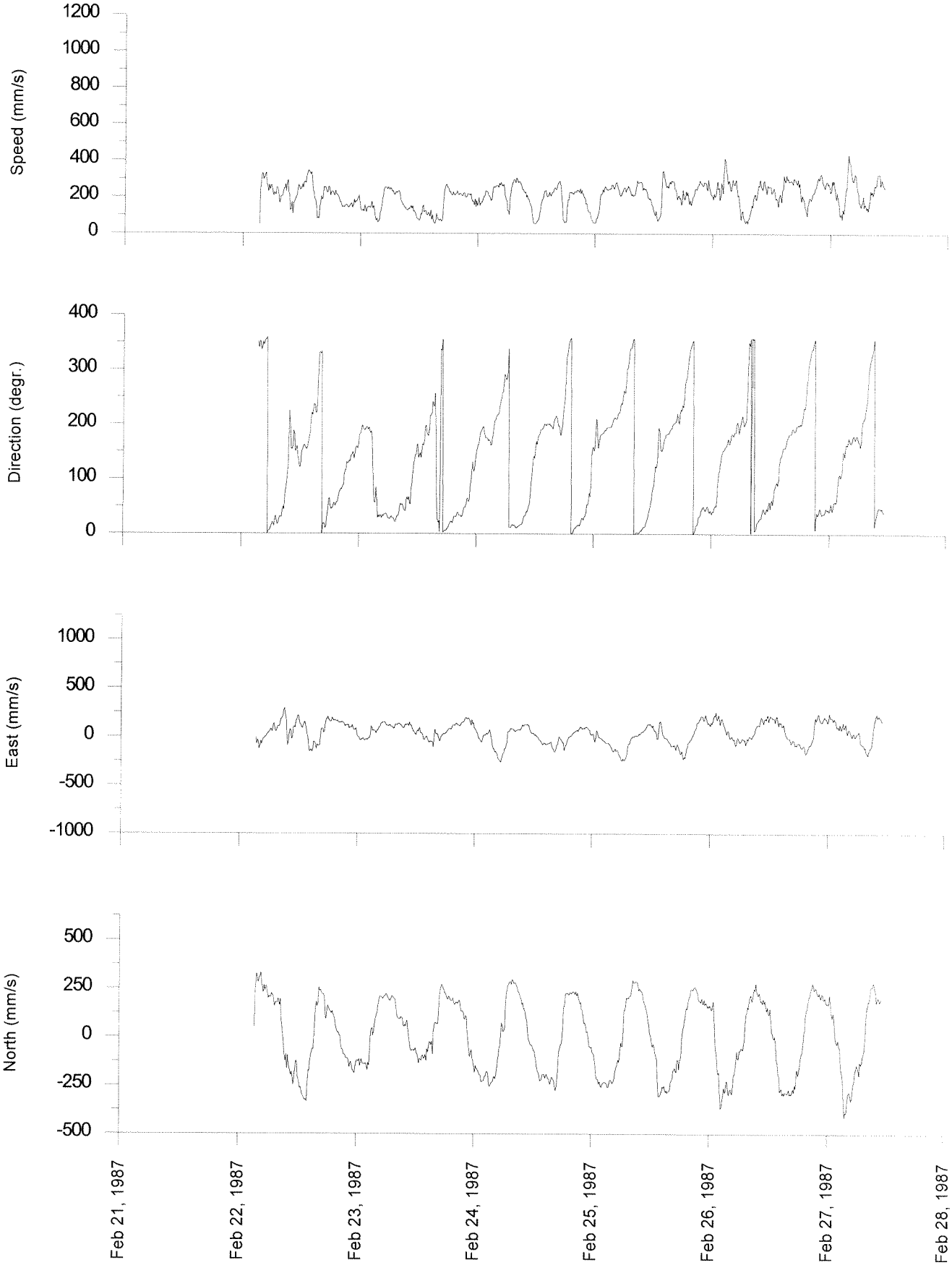
Residual current: 38 mm/sec towards: 82 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

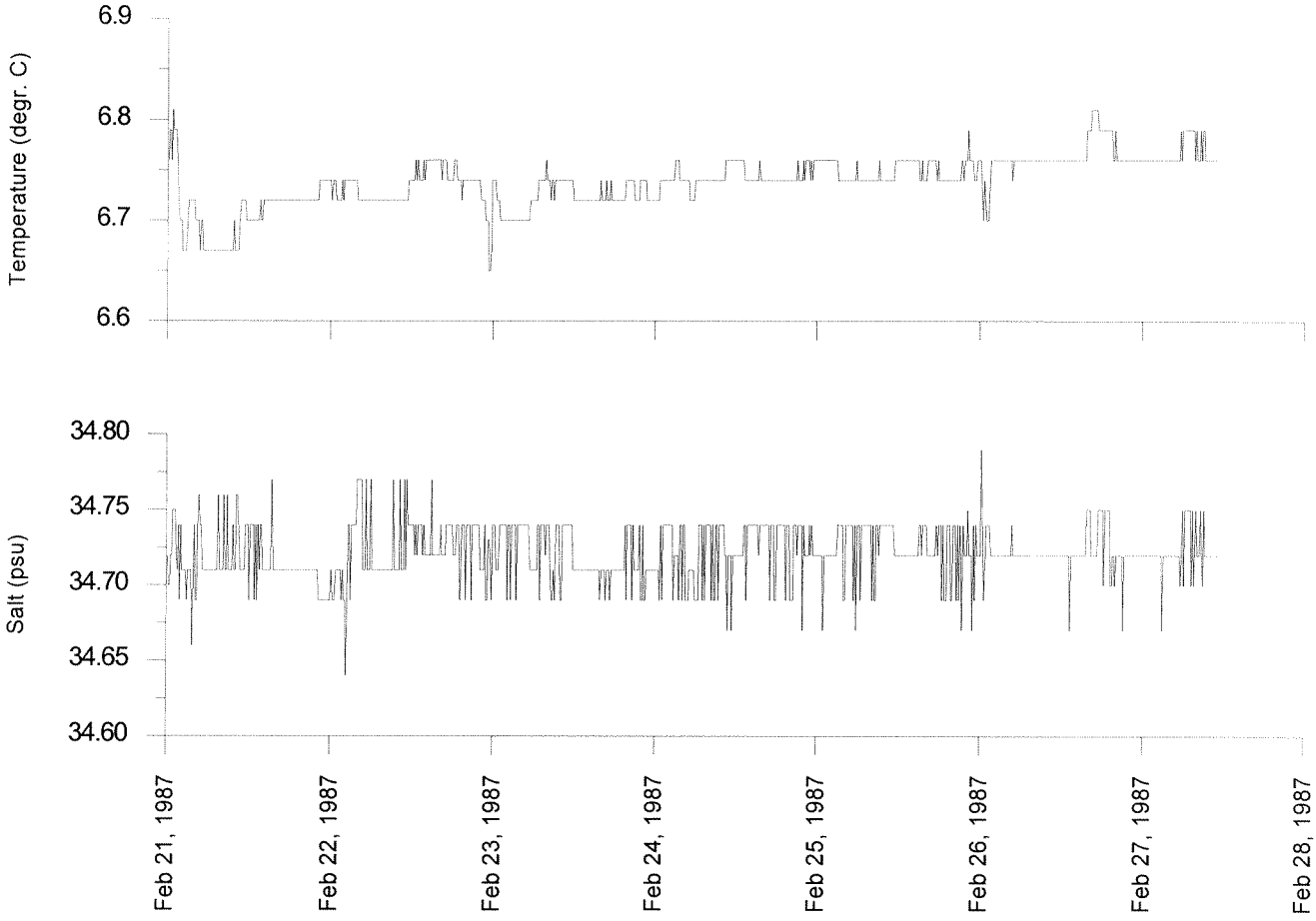
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	6	2	7	6	13	16	11	13	5	0	1	2	87	87
100 - 150	2	13	16	11	13	9	31	11	2	3	1	3	121	208
150 - 200	13	31	13	10	16	26	24	10	2	9	9	14	180	389
200 - 300	138	135	13	5	18	49	101	31	10	6	9	37	555	945
300 - 400	2	9	0	0	1	29	2	0	0	0	0	6	52	997
400 - 500	0	0	0	0	0	2	0	0	0	0	0	0	2	1000
Total (ppt)	162	191	50	33	62	134	171	66	20	19	20	65		
Rel.flux (ppt)	182	208	38	23	49	147	170	56	17	17	19	67		
Avg.spd (mm/s)	234	228	158	147	165	230	207	179	179	184	196	217		
Max.spd (mm/s)	306	329	273	293	329	435	336	283	270	246	263	332		

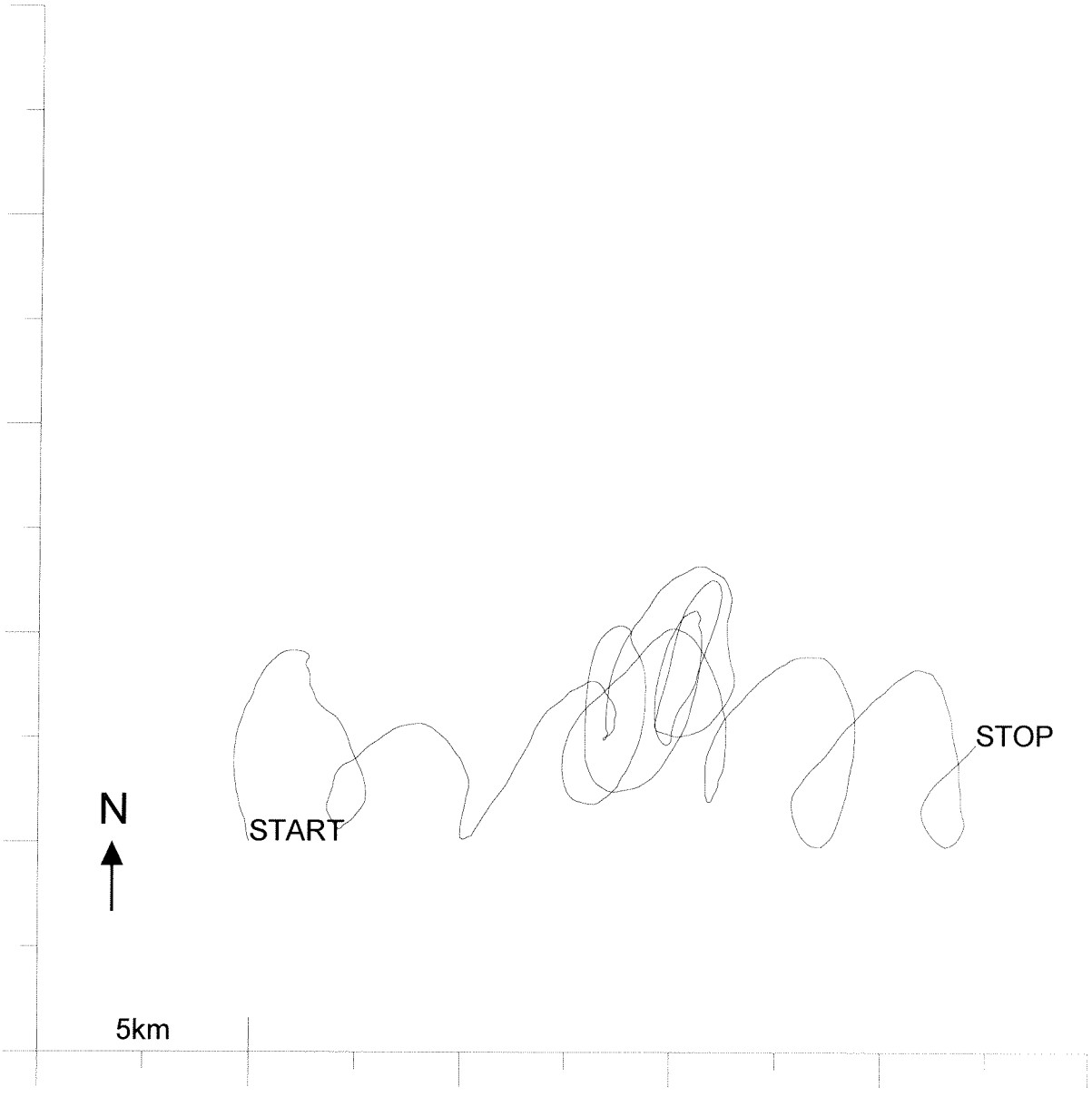
7075_009
From 1987/02/21 to 1987/02/28.



7075_009
From 1987/02/21 to 1987/02/28.



Progressive vector diagram
7075_009 I Holinum



Deployment: 9042_001 analyzed from beginning to end
Instrument no.: 9042
Instrument type: Aanderaa
Latitude: 62 14.300 N
Longitude: 5 1.890 W
Bottom depth: 197
Instrument depth: 107
Number of records: 496
Time of first rec: 19870702 0901
Time of last rec : 19870709 0609
Time between records (min.): 20.017

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	496	0
Column 5: Speed	496	0
Column 6: Direct	496	0

Comments

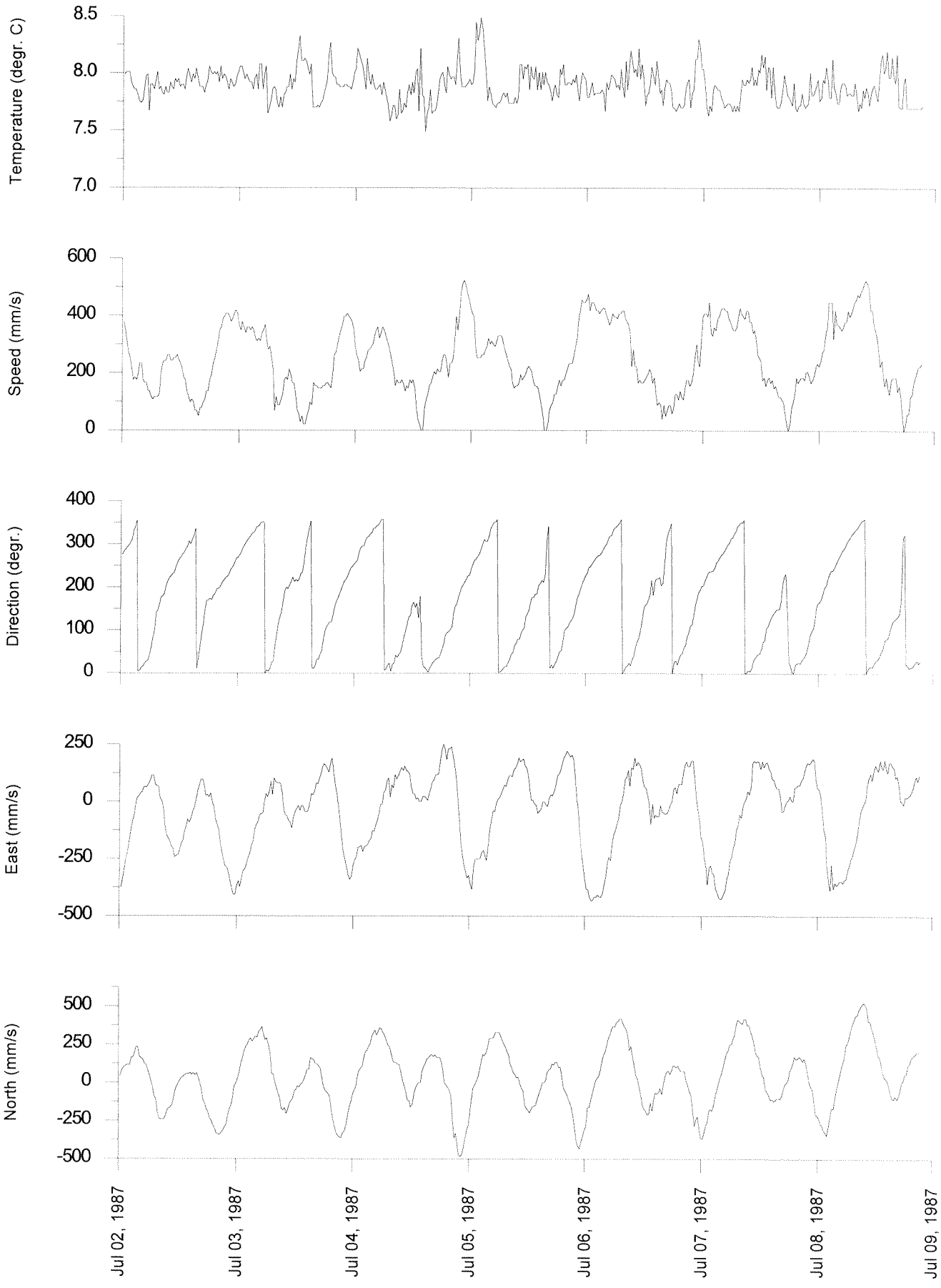
Residual current: 52 mm/sec towards: 308 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

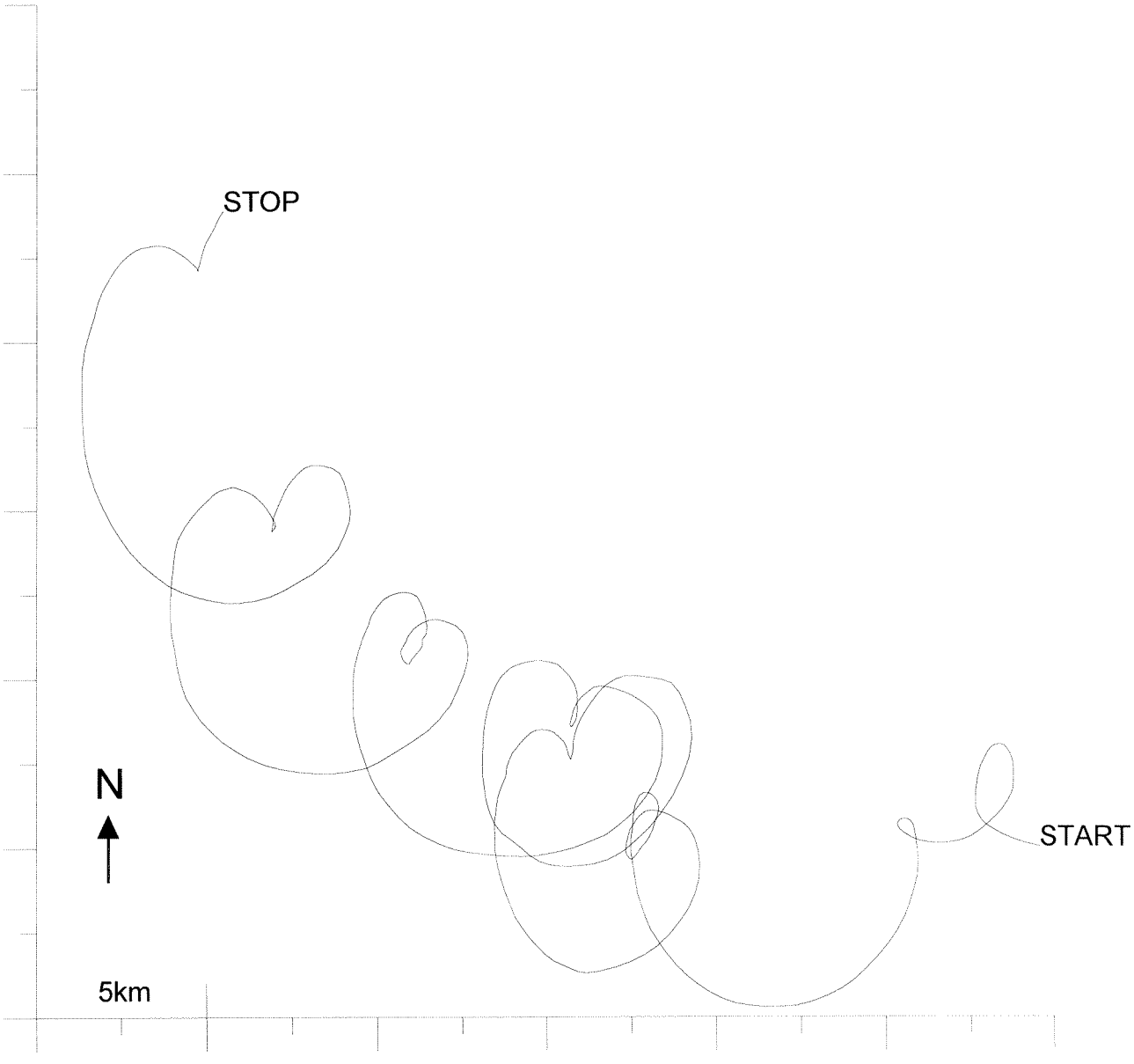
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	4	2	0	0	4	6	2	14	4	2	6	0	44	44
50 - 100	18	4	2	4	0	2	4	14	0	0	12	12	72	116
100 - 150	24	20	10	8	22	6	4	4	0	4	2	0	104	221
150 - 200	38	24	34	44	16	16	10	6	0	4	2	6	201	423
200 - 300	40	34	4	12	18	24	16	10	18	18	16	2	213	637
300 - 400	34	2	0	0	2	14	22	22	22	24	36	46	225	862
400 - 500	12	0	0	0	0	2	10	28	22	20	10	20	125	987
500 - 600	2	0	0	0	0	0	4	2	0	0	0	4	12	1000
Total (ppt)	173	86	50	68	62	70	72	100	66	72	84	90		
Rel.flux (ppt)	157	63	33	48	42	61	85	109	90	92	93	120		
Avg.spd (mm/s)	224	182	165	176	170	217	292	270	337	315	272	329		
Max.spd (mm/s)	514	321	263	253	321	408	524	505	447	427	447	524		

9042_001
From 1987/07/02 to 1987/07/09.



Progressive vector diagram
9042_001 NANSEN 1987



Deployment: 7075_010 analyzed from beginning to end
Instrument no.: 7075
Instrument type: Aanderaa
Latitude: 62 12.480 N
Longitude: 4 5.910 W
Bottom depth: 353
Instrument depth: 303
Number of records: 518
Time of first rec: 19870702 0520
Time of last rec : 19870709 0940
Time between records (min.): 20.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	518	0
Column 5: Speed	518	0
Column 6: Direct	518	0
Column 7: Salt	518	0

Comments
Time of last record on tape checked and correct. Salinity was not calibrated and absolute values are not reliable.

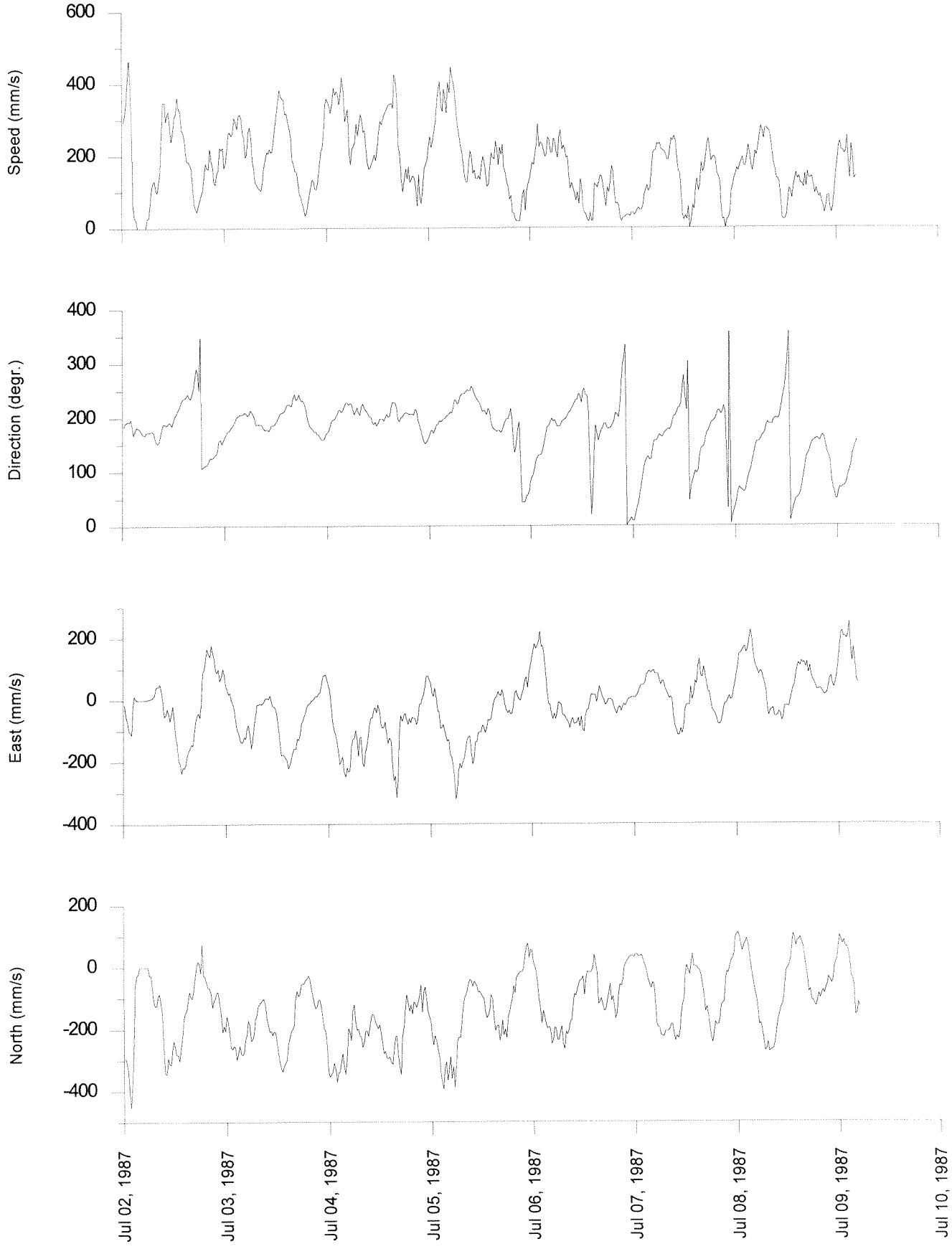
Residual current: 134 mm/sec towards: 189 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

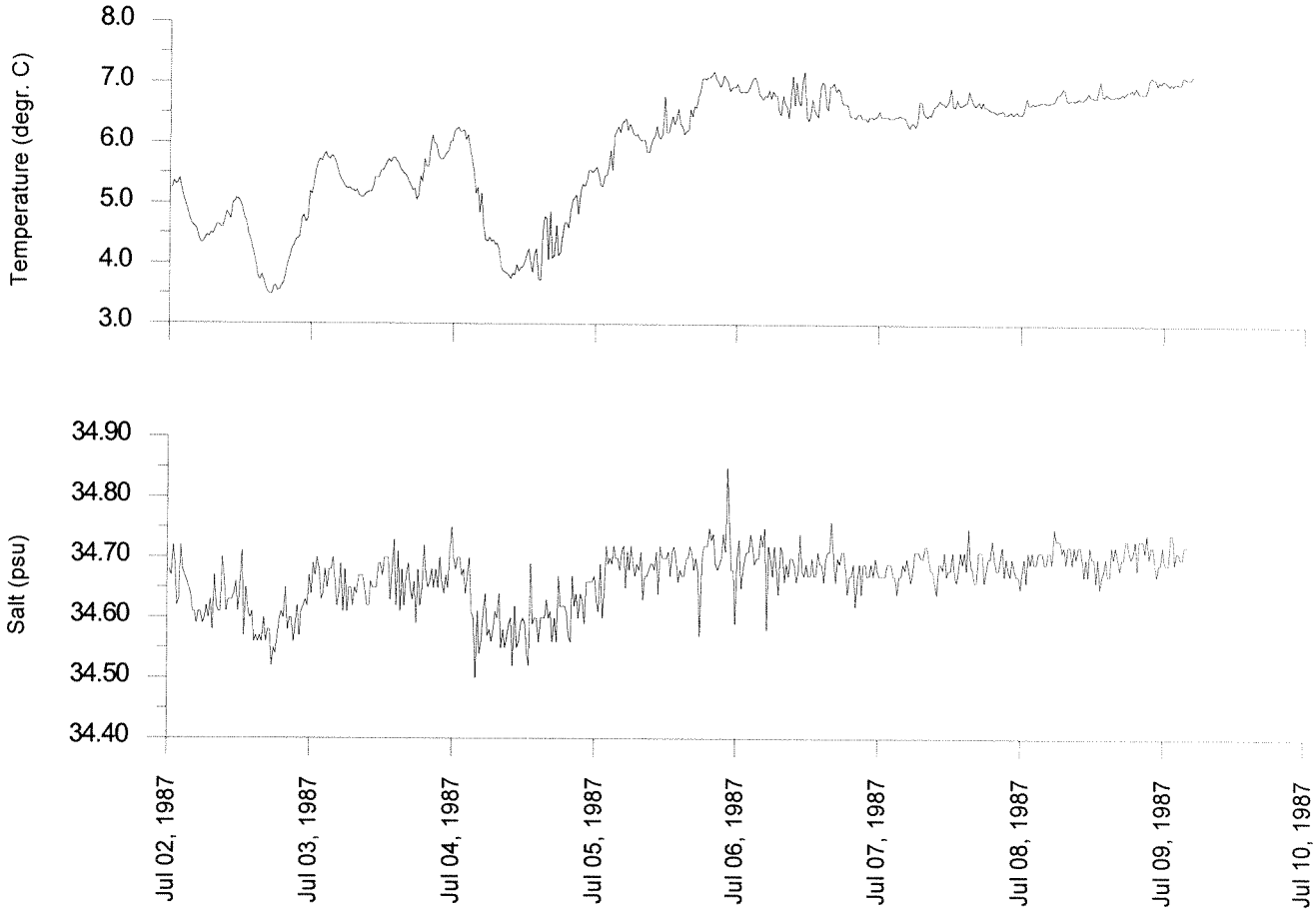
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	17	7	9	5	9	21	9	7	11	7	5	3	117	117
50 - 100	0	9	3	9	5	25	15	19	7	3	0	3	104	222
100 - 150	7	15	9	11	23	40	50	27	11	0	0	0	196	418
150 - 200	0	3	19	11	21	36	50	27	13	0	0	0	183	602
200 - 300	0	0	11	5	15	73	115	36	5	0	0	0	264	866
300 - 400	0	0	0	0	0	5	75	32	0	0	0	0	113	980
400 - 500	0	0	0	0	0	0	9	9	0	0	0	0	19	1000
Total (ppt)	25	36	54	44	75	202	326	160	50	11	5	7		
Rel.flux (ppt)	8	19	42	31	59	183	421	193	33	2	0	2		
Avg.spd (mm/s)	58	93	140	126	140	161	229	215	119	40	28	49		
Max.spd (mm/s)	117	154	237	253	286	359	465	425	227	68	35	75		

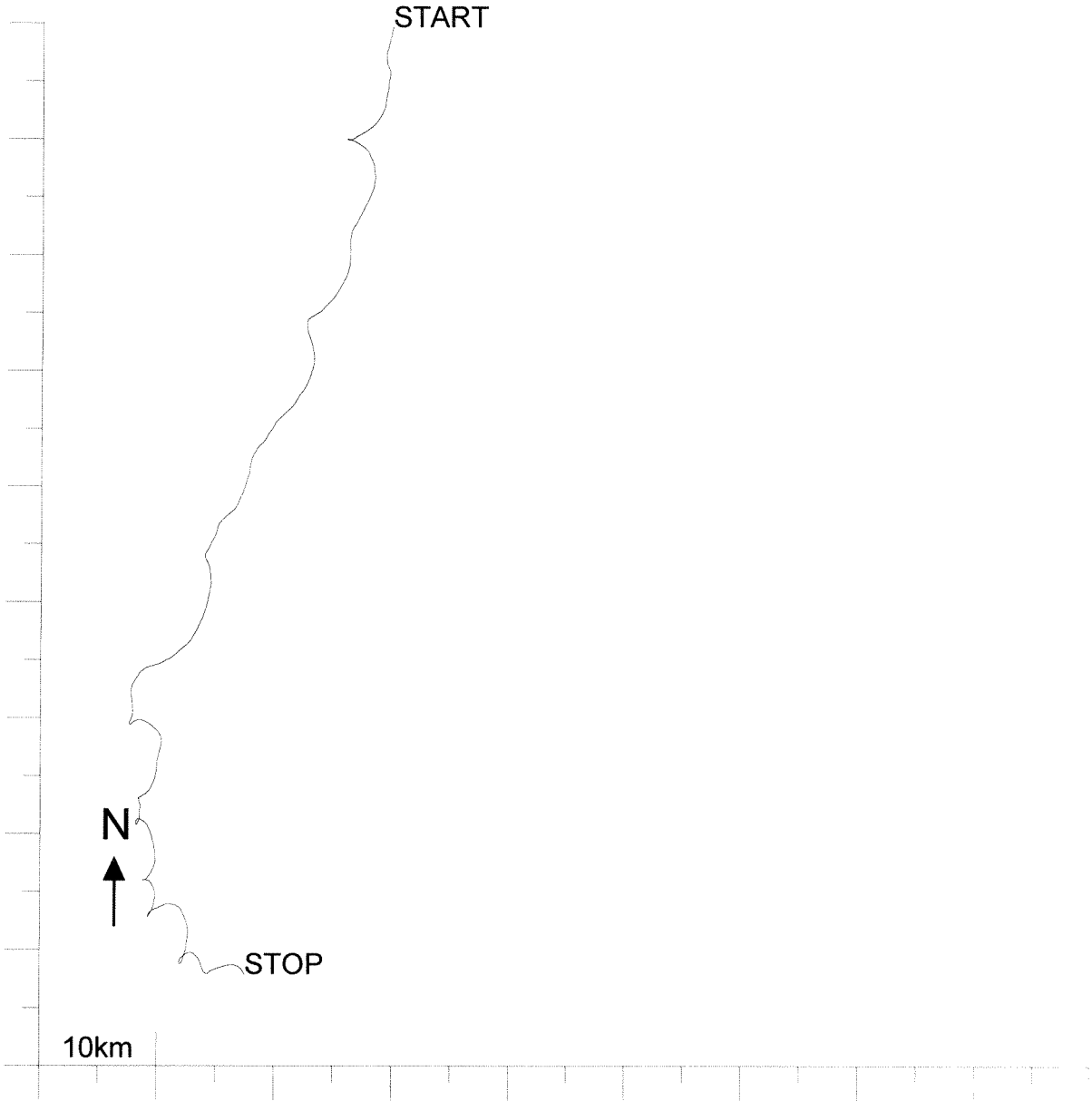
7075_010
From 1987/07/02 to 1987/07/09.



7075_010
From 1987/07/02 to 1987/07/09.



Progressive vector diagram
7075_010 NANSEN 1987



Deployment: 2448_007 analyzed from beginning to end
Instrument no.: 2448
Instrument type: Aanderaa
Latitude: 61 9.400 N
Longitude: 8 11.380 W
Bottom depth: 119
Instrument depth: 40
Number of records: 2891
Time of first rec: 19810406 0200
Time of last rec : 19810605 0700
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	2891	0
Column 5: Speed	2891	0
Column 6: Direct	2891	0
Column 7: Press	2891	0

Comments
Time of last record on tape could not be checked.

Residual current: 179 mm/sec towards: 134 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 0, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

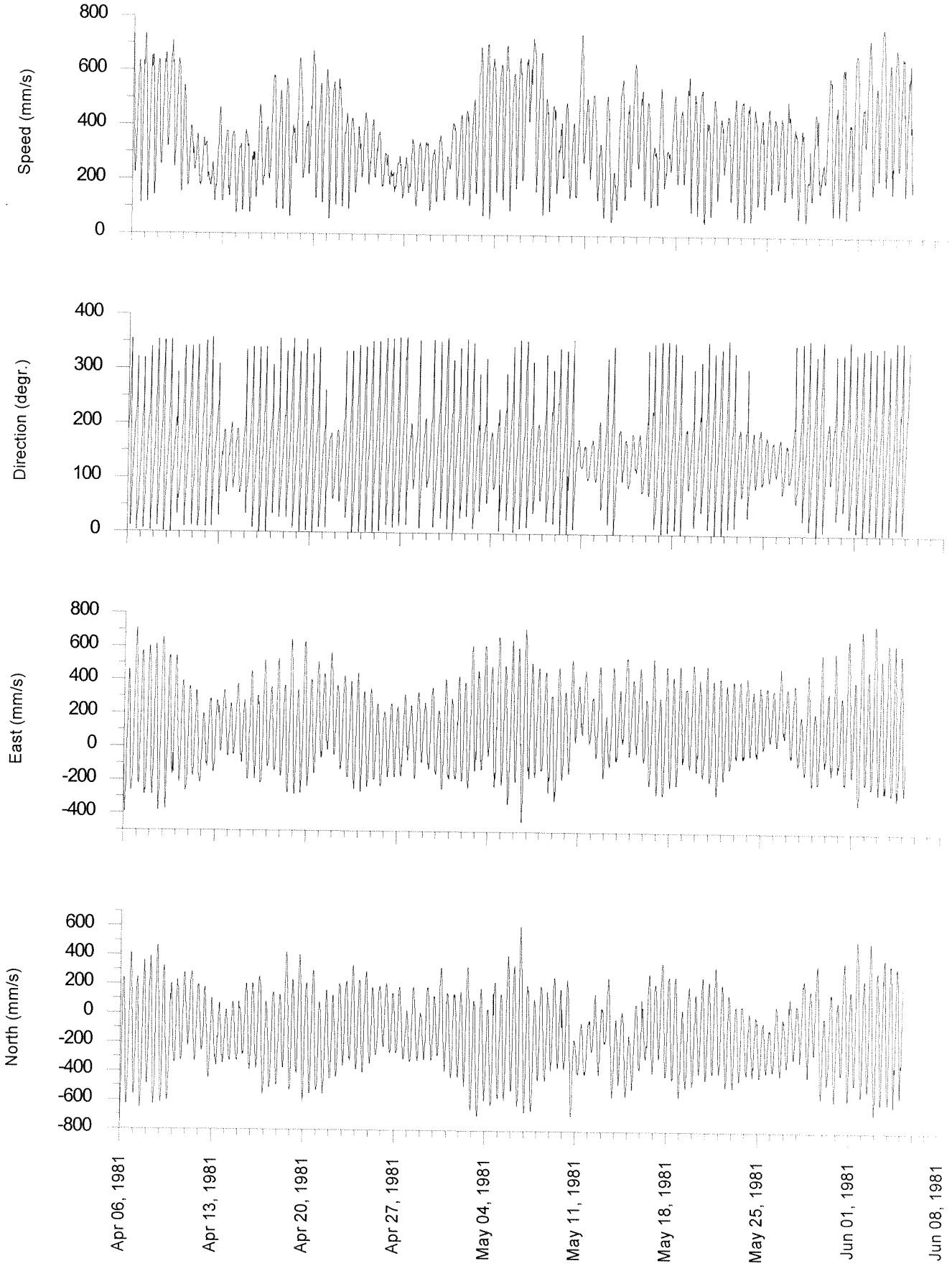
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	14	78	10	255	18	0	145	257	C	
MSF	.00282193	16	44	6	173	16	4	167	221	C	
Q1	.03721850	15	196	12	146	17	8	34	179	A	
O1	.03873065	53	237	55	166	63	44	48	198	A	
NO1	.04026859	5	222	11	113	11	5	102	107	A	
P1	.04155259	16	80	12	1	17	12	16	69	A	I
K1	.04178075	49	98	37	21	50	35	20	83	A	
N2	.07899925	69	243	68	162	74	63	42	205	A	
M2	.08051140	262	272	277	189	288	250	56	219	A	
L2	.08202355	16	329	15	254	17	13	39	297	A	
S2	.08333334	85	311	97	229	100	83	68	247	A	
K2	.08356149	23	311	26	229	27	22	68	247	A	I
MK3	.12229210	9	66	6	333	9	6	176	248	A	
M4	.16102280	12	238	7	152	12	7	4	236	A	
MS4	.16384470	11	267	5	156	11	5	167	93	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

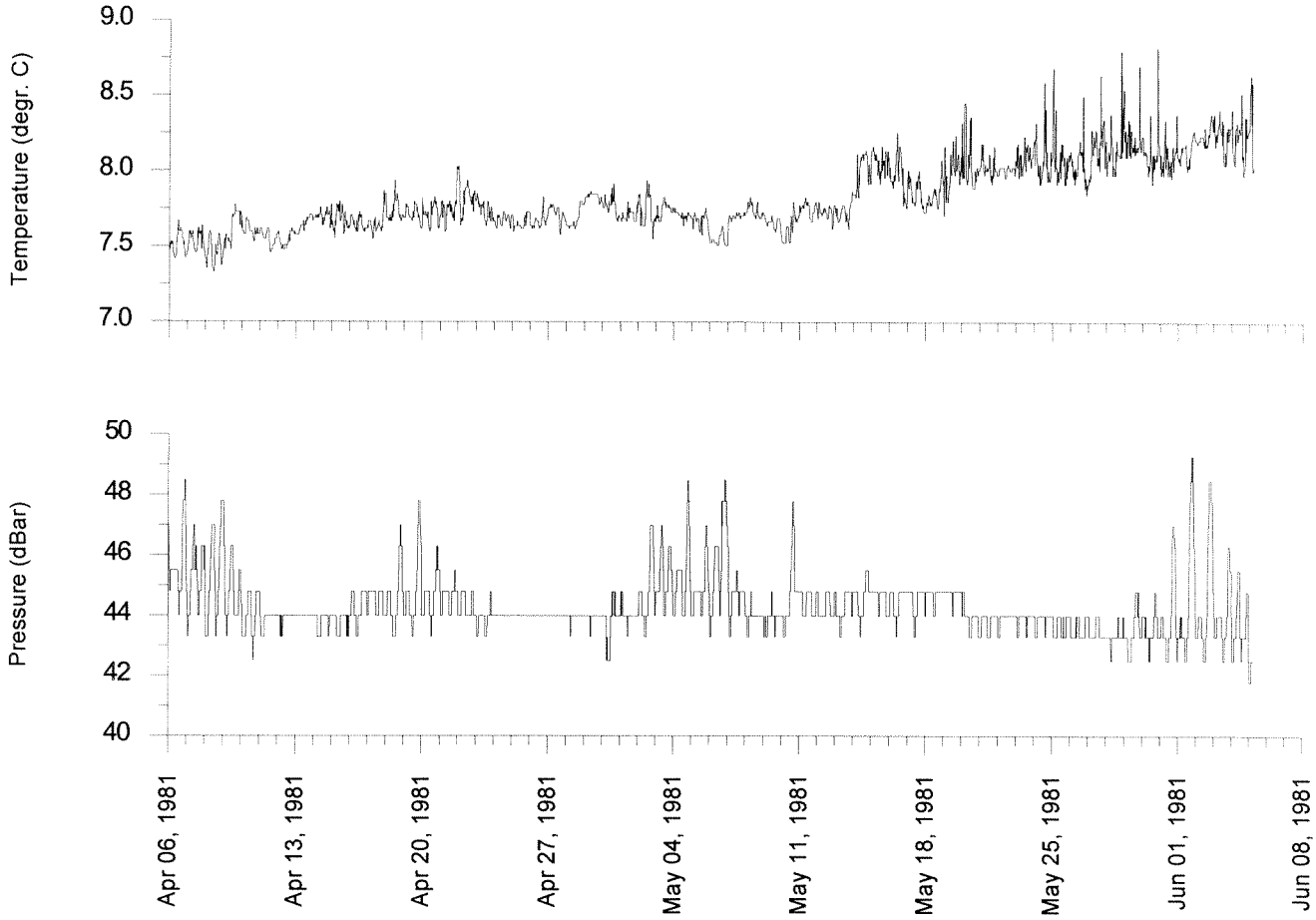
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100	1	2	1	1	1	2	0	1	3	2	2	2	23	24
100 - 150	4	3	4	5	4	3	5	6	3	5	5	6	58	83
150 - 200	10	9	9	7	3	3	7	11	10	7	10	9	100	183
200 - 300	20	22	24	25	12	19	31	27	17	11	11	12	236	419
300 - 400	12	20	32	37	32	38	35	16	2	1	1	2	232	652
400 - 500	3	8	20	31	39	35	28	6	0	0	0	0	176	828
500 - 600	2	4	11	19	19	23	8	1	0	0	0	0	90	919
600 - 700	0	3	7	15	20	19	4	0	0	0	0	0	71	991
700 - 800	0	0	1	3	1	2	0	0	0	0	0	0	8	1000
Total (ppt)	54	75	112	144	133	148	124	71	37	29	32	33		
Rel.flux (ppt)	40	68	117	166	167	179	126	56	22	15	18	19		
Avg.spd (mm/s)	259	313	362	400	435	420	352	274	211	190	195	205		
Max.spd (mm/s)	575	672	750	765	754	739	736	590	418	444	571	612		

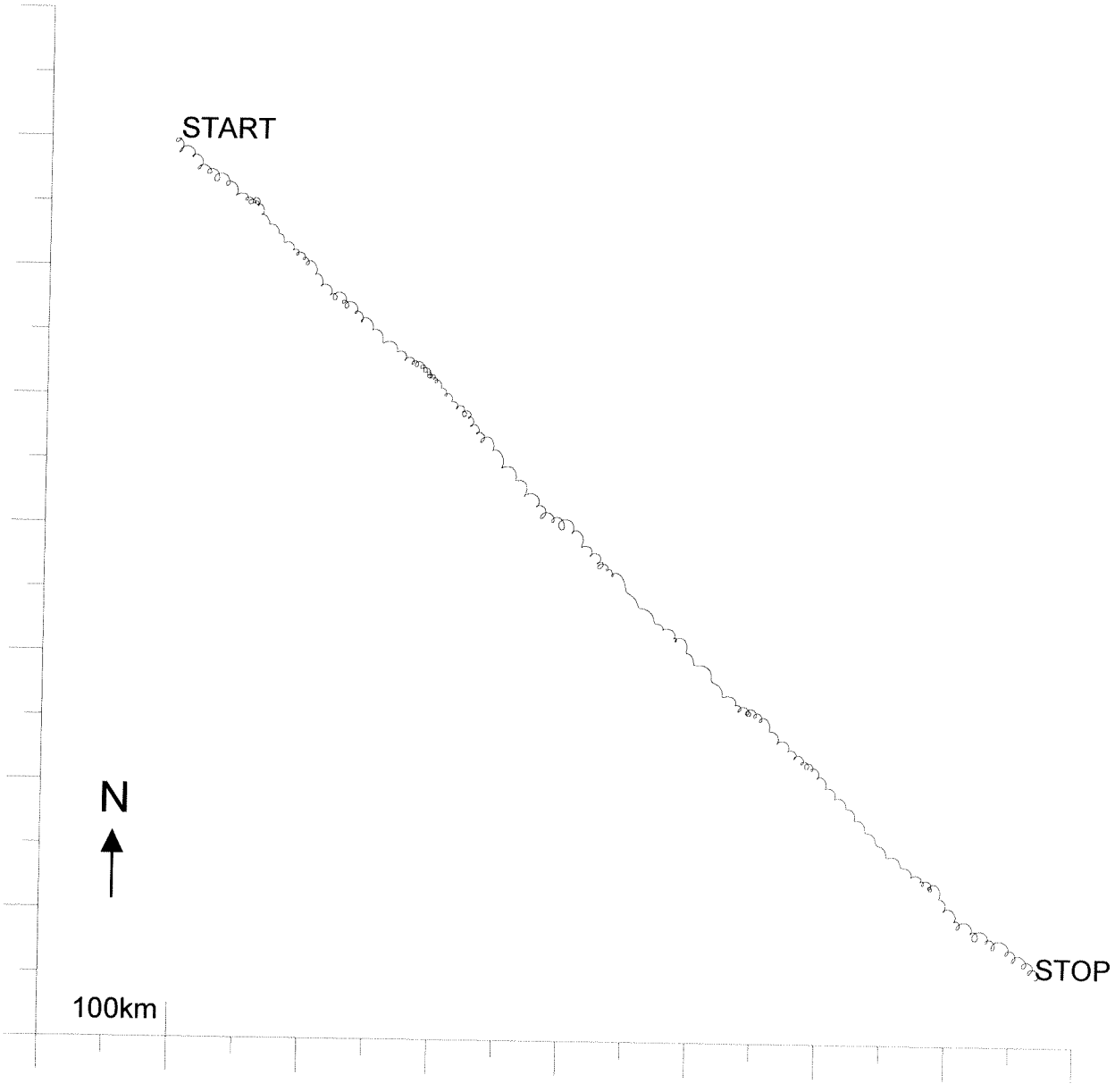
2448_007. Føroya Banki
From 1981/04/06 to 1981/06/05.



2448_007. Føroya Banki
From 1981/04/06 to 1981/06/05.



Progressive vector diagram
2448_007 Streymmating a Foeroya Banka



Deployment: 2983_015 analyzed from beginning to end
Instrument no.: 2983
Instrument type: Aanderaa
Latitude: 60 59.800 N
Longitude: 8 55.460 W
Bottom depth: 119
Instrument depth: 40
Number of records: 4805
Time of first rec: 19920523 1945
Time of last rec : 19920831 2145
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	4805	0
Column 5: Speed	4804	1
Column 6: Direct	4805	0

Comments
Time of last record on tape could not be checked.

Residual current: 116 mm/sec towards: 24 degrees

TIDAL ANALYSIS

Error flagged records interpolated for velocity: 1, records not int.: 0
Tidal analysis on data passed through 3 filters: A2, A2, and A3

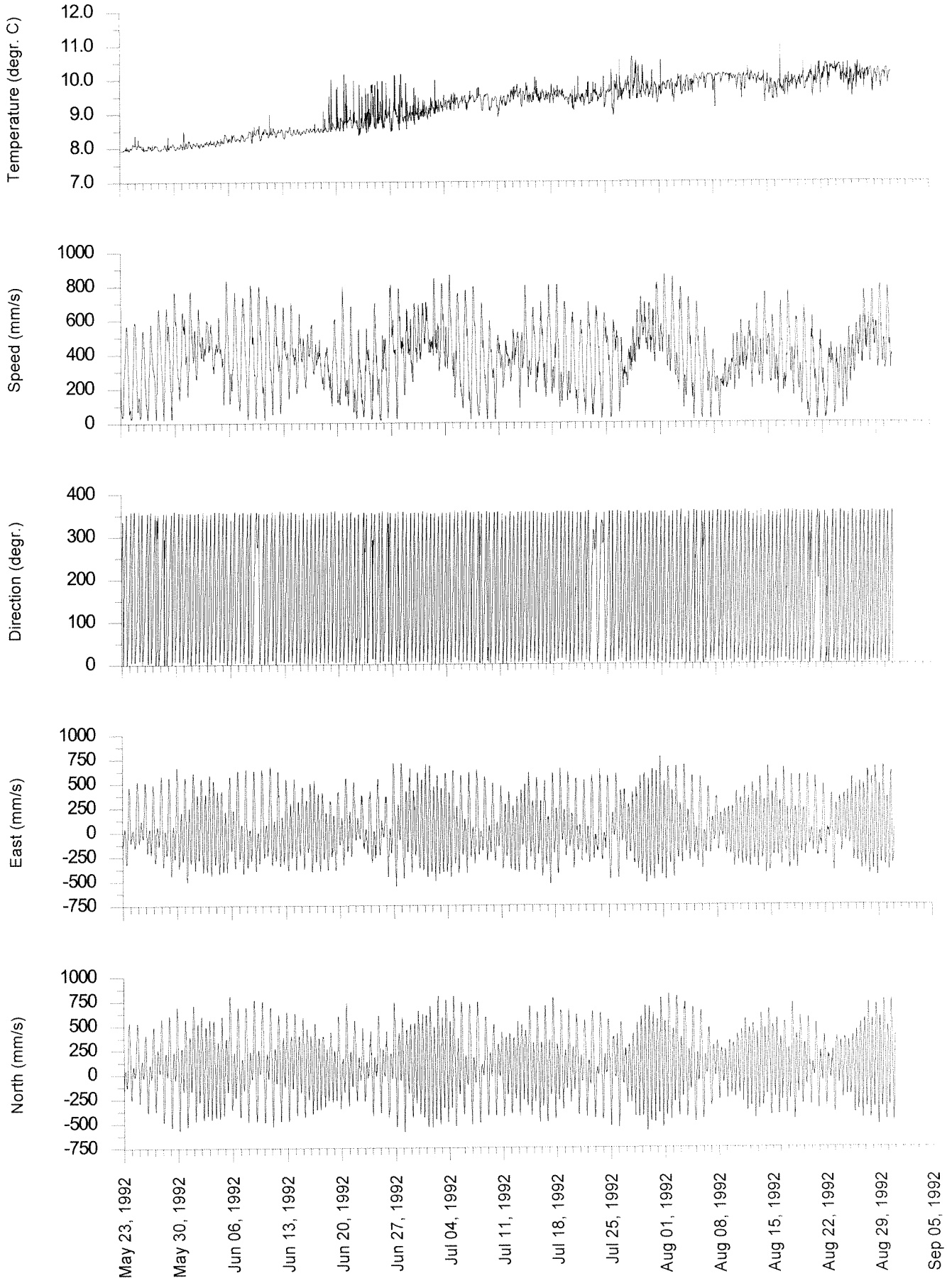
Const	Freq c/hr	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R	
MM	.00151215	10	340	14	61	14	10	79	53	C	
MSF	.00282193	5	63	17	65	18	0	74	65	C	
Q1	.03721850	29	142	28	62	31	26	37	110	A	
O1	.03873065	76	183	85	113	94	64	55	139	A	
NO1	.04026859	11	191	8	74	12	6	150	29	A	
P1	.04155259	40	54	42	335	45	37	52	7	A	I
K1	.04178075	120	73	129	353	136	112	57	22	A	
N2	.07899925	63	258	73	171	74	63	81	178	A	
M2	.08051140	323	275	352	194	365	308	60	219	A	
L2	.08202355	11	299	11	225	12	9	39	268	A	
S2	.08333334	93	310	102	232	108	86	57	259	A	
K2	.08356149	25	310	28	232	29	23	57	259	A	I
MK3	.12229210	14	40	18	304	18	14	102	294	A	
M4	.16102280	25	279	27	179	28	24	120	153	A	
MS4	.16384470	15	304	17	213	17	15	96	207	A	

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

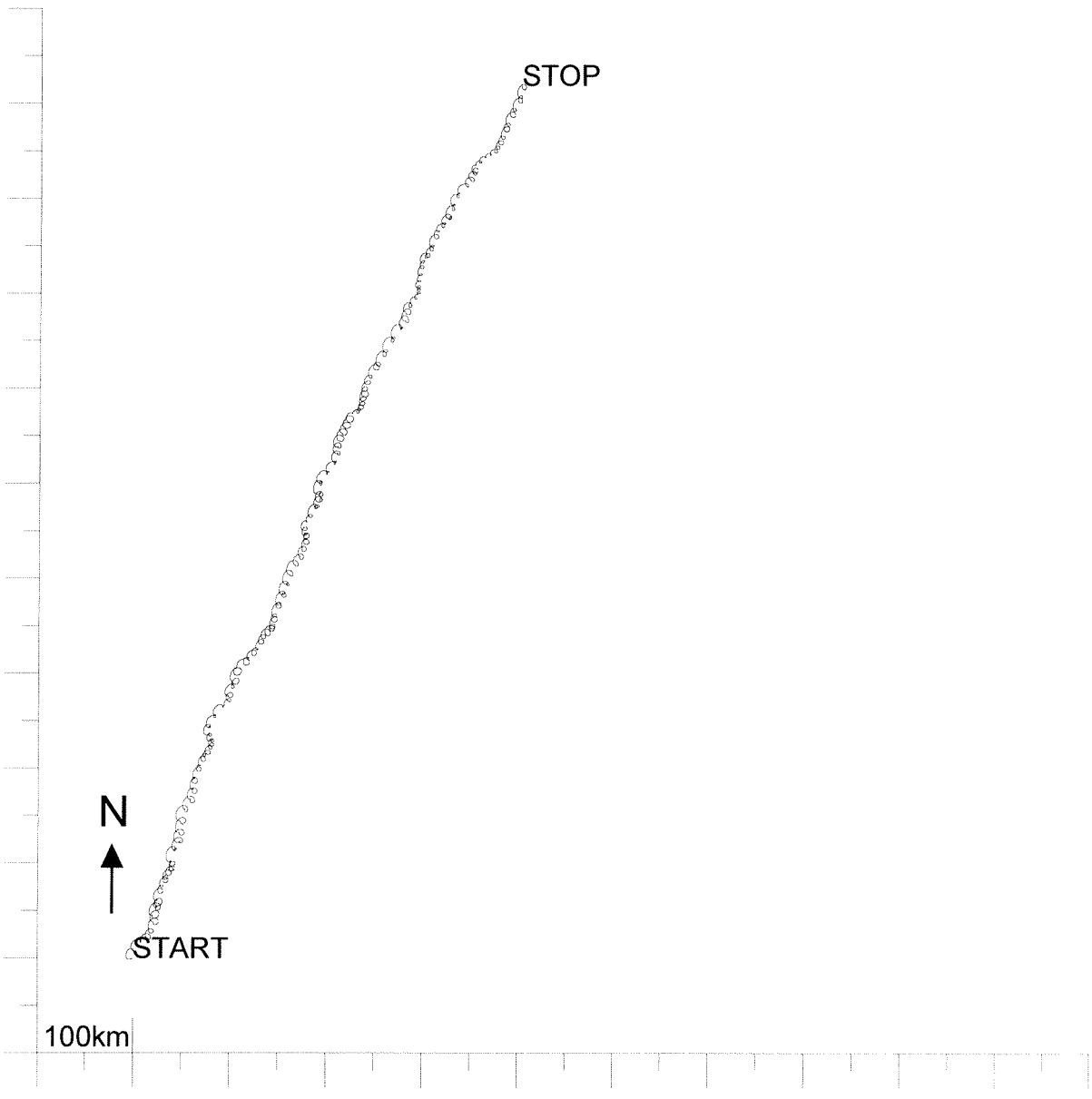
Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals												All dir.	
	15	45	75	105	135	165	195	225	255	285	315	345	Tot	Acc
0 - 50	4	2	1	2	2	1	2	1	2	3	1	1	27	27
50 - 100	4	2	1	1	1	2	1	1	3	6	5	3	35	63
100 - 150	5	2	1	2	2	1	2	1	3	5	3	6	39	102
150 - 200	5	3	2	2	2	2	3	5	4	8	6	7	55	157
200 - 300	13	10	8	6	5	7	11	17	20	21	22	17	161	319
300 - 400	18	11	10	12	10	12	12	20	23	24	26	22	206	525
400 - 500	20	21	12	14	16	19	17	13	12	14	22	25	212	738
500 - 600	26	19	21	15	12	8	4	2	1	1	4	15	134	873
600 - 700	21	24	16	4	0	0	0	0	0	0	0	9	78	951
700 - 800	18	18	2	0	0	0	0	0	0	0	0	1	42	993
800 - 900	3	2	0	0	0	0	0	0	0	0	0	0	6	1000
Total (ppt)	141	119	80	62	55	55	56	64	71	86	92	111		
Rel.flux (ppt)	172	156	95	64	55	53	48	52	54	62	76	108		
Avg.spd (mm/s)	472	509	462	404	382	371	332	317	296	278	319	376		
Max.spd (mm/s)	862	867	807	754	626	621	572	611	602	601	605	754		

2983_015
From 1992/05/23 to 1992/08/31.



Progressive vector diagram
2983_015



Deployment: 7075_012 analyzed from beginning to end
Instrument no.: 7075
Instrument type: Aanderaa
Latitude: 60 49.420 N
Longitude: 8 47.900 W
Bottom depth: 119
Instrument depth: 40
Number of records: 836
Time of first rec: 19920523 1045
Time of last rec : 19920609 2015
Time between records (min.): 30.000

Parameters	Records OK	Records flagged
Column 1: Recno		
Column 2: Date		
Column 3: Time		
Column 4: Temp	0	836
Column 5: Speed	836	0
Column 6: Direct	836	0
Column 7: Salt	0	836

Comments

Time of last record on tape could not be checked. The temperature values are unrealistic and temperature and salinity are errorflagged throughout

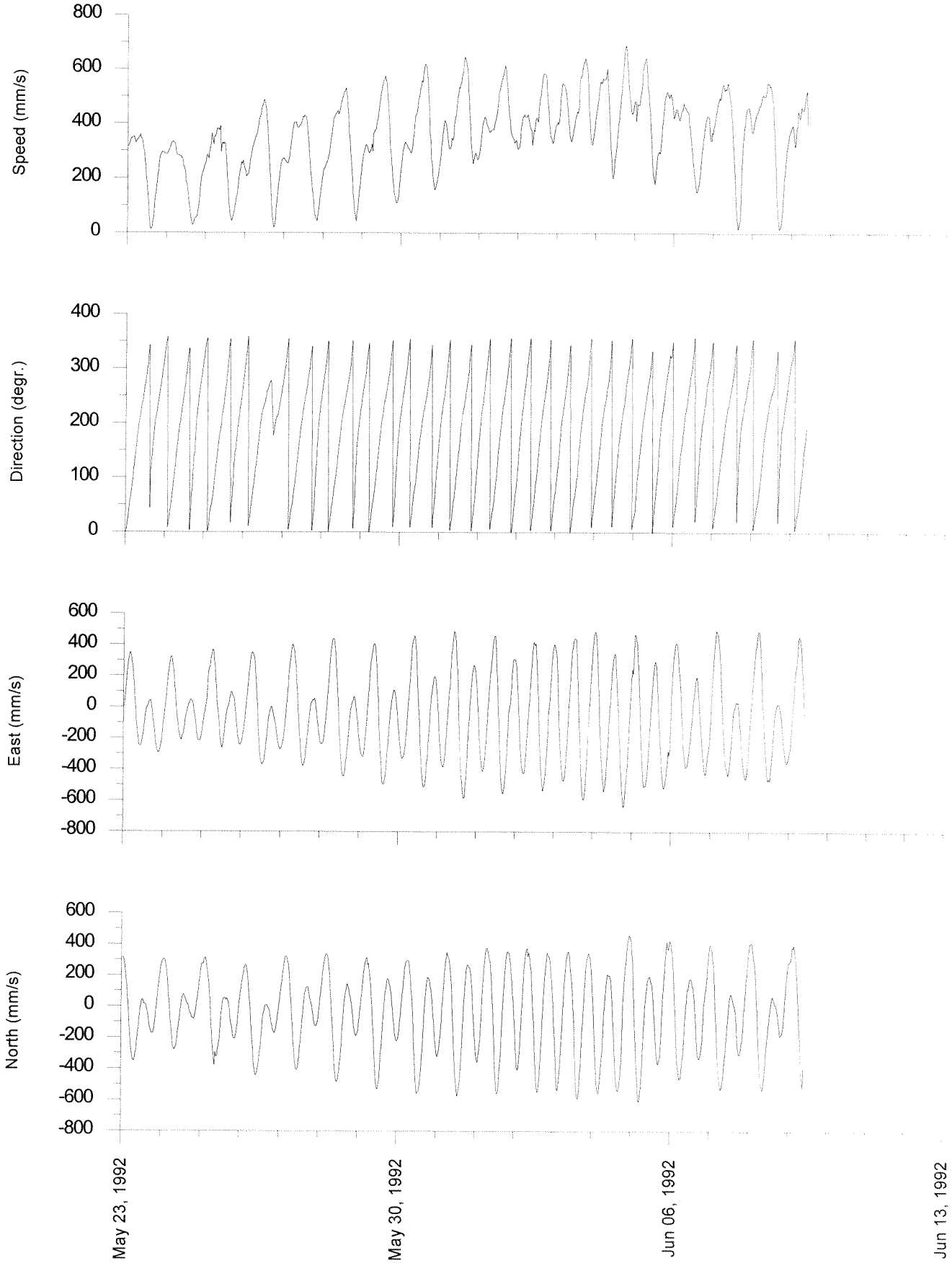
Residual current: 64 mm/sec towards: 232 degrees

DIRECTIONAL CURRENT DISTRIBUTION (for all nonflagged observations in series)

Relative number of observations in parts per thousand (ppt) grouped into speed and direction intervals (of 30 degree width centred around the directions shown)

Speed intervals (mm/s)	Direction intervals 15	45	75	105	135	165	195	225	255	285	315	345	All dir. Tot	Acc
0 - 50	3	2	5	3	1	1	1	0	1	0	1	4	26	26
50 - 100	4	3	2	3	7	2	4	0	0	2	4	3	39	65
100 - 150	1	2	1	2	2	4	7	2	0	4	3	3	35	101
150 - 200	5	2	3	1	0	2	7	3	3	8	2	5	46	148
200 - 300	8	7	4	8	8	5	10	22	23	25	27	23	177	325
300 - 400	43	33	16	13	10	10	16	14	17	33	28	21	260	586
400 - 500	13	28	33	29	14	11	14	29	29	23	8	3	241	827
500 - 600	0	0	0	4	19	27	26	27	21	7	3	0	137	965
600 - 700	0	0	0	0	0	1	4	19	9	0	0	0	34	1000
Total (ppt)	80	80	68	66	63	68	93	119	107	105	80	66		
Rel.flux (ppt)	68	76	64	66	66	77	98	146	123	96	67	49		
Avg.spd (mm/s)	305	339	338	355	372	405	375	437	411	329	299	263		
Max.spd (mm/s)	487	483	498	517	573	603	629	692	673	569	513	446		

7075_012.
From 1992/05/23 to 1992/06/09.



Progressive vector diagram
7075_012