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Woods Hole Oceanographic Institution

A COMPILATION OF MOORED CURRENT METER
AND WIND RECORDER DATA
VOLUME XVIII (JASIN 1978, MOORINGS 651-653)

by

Susan Tarbell, Melbourne G. Briscoe,
and Robert A. Weller

July 1979

TECHNICAL REPORT

*Prepared for the Office of Naval Research under
Contract N00014-76-C-0197; NR 083-400 to Woods
Hole Oceanographic Institution and Contract
N00014-75-C-0152; NR 083-005 to Scripps Institu-
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ABSTRACT

Summaries of current and temperature measurements from three moorings in the 1978 Joint Air-Sea Interaction Project (JASIN) are presented; the moorings are WHOI/JASIN numbers 651/W1, 652/W2, and 653/W3. The instruments were either Vector Averaging Current Meters (VACM), Scripps Institution of Oceanography Vector Measuring Current Meters (VMCM), or Neil Brown Acoustic Current Meters (ACM). Displays include time series, histograms, progressive vector diagrams, scatter plots, and spectra; statistics are given for the entire deployment period (some 40 days) and for each 5-day segment.

Additional measurements include pressure and vertical temperature gradient. Wind records and other meteorological observations from one of the moorings are given, as well as partial wind records from another JASIN mooring (H2).

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PREFACE

This volume is the eighteenth in a series of Data Reports presenting moored current meter and associated data collected by the W.H.O.I. Buoy Group.

Volumes I through XVII present data from the years 1963-1971, and from several special experiments: the 1970 Pollard array, the 1973 IWEX array, the 1973 MODE array, the MODE Site moorings, the Saint Croix mooring measurements, and the POLYMODE Array II experiment. Volume XIX presents POLYMODE Array I data.

Volume No.	W.H.O.I. Technical Ref. No.		Notes	
			Year	Experiment
I	65-44	Webster, F., and N. P. Fofonoff		
II	66-60	Webster, F., and N. P. Fofonoff		
III	67-66	Webster, F., and N. P. Fofonoff		
IV	70-40	Pollard, R. T.		
V	71-50	Tarbell, S., and F. Webster		
VI	74-4	Tarbell, S.	1967	measurements
VII	74-52	Chausse, D., and S. Tarbell	1968	measurements
VIII	75-7	Pollard, R. T., and S. Tarbell	1970	Array Data
IX	75-68	Tarbell, S., M. G. Briscoe, and D. Chausse	1973	IWEX Array
X	76-40	Tarbell, S.	1969a	measurements
XI	76-41	Tarbell, S.	1969b	measurements
XII	76-101	Chausse, D., and S. Tarbell	1973	MODE Array
XIII	77-18	Tarbell, S., and A. W. Whitlatch	1970	measurements
XIV	77-41	Tarbell, S., R. Payne, and R. Walden	1976	mooring 592 Saint Croix
XV	77-56	Tarbell, S., and A. W. Whitlatch	1971	measurements
XVI	78-5	Tarbell, S., and A. Spencer	1971-1975	MODE Site
XVII	78-49	Tarbell, S., A. Spencer, and R. E. Payne	1975-1977	POLYMODE Array II
XIX	79-34	Spencer, A., C. Mills, and R. Payne	1974-1975	POLYMODE Array I

INDEX

The Table of Contents lists all material in these introductory pages. See the fold-out last page of the report for a detailed index to the plotted and tabulated material.

ACKNOWLEDGMENTS

The Engineering, Operations, and Data Processing sections of the Moored Array Experiments project (the "Buoy Group") efficiently designed, prepared, deployed, recovered, and produced the Woods Hole data in this report. Terry McKee and Carol Mills handled the basic data processing, and Nancy Pennington performed many tasks at sea and ashore that contributed to a well-documented experiment.

The Scripps instruments were prepared by Steve Wald, Bill Powell, and Jim Parks, and the initial processing was performed with programs written by Russ Davis; the deployment and recovery of the instruments were by the Buoy Group.

We thank David Halpern of NOAA/PMEL in Seattle for the use of his toroid H2 as a platform for the VMWR wind sensors H2S1 and H2S2.

The Scripps instruments and their initial processing were supported by ONR Contract N00014-75-C-0152, NR083-005. The W.H.O.I. work has been supported by ONR Contract N00014-76-C-0197, NR083-400, and by NSF Grant OCE77-25803.

INTRODUCTION

The Joint Air-Sea Interaction project (JASIN) was a multi-national program initiated in 1966 by the Royal Meteorological Society (U.K.); its major field experiment was in July-September 1978 northwest of Scotland near the Rockall Trough. Some 14 ships, 4 aircraft, 9 countries, and three-score principal investigators participated.

Pollard (1978) gives a summary of the overall JASIN 1978 plans, Briscoe (1979) describes the participation of the R/V Atlantis-II (A-II), Pennington and Briscoe (1979) provide plots and listings of the hydrographic data from the A-II, and Briscoe, et al. (1979) discuss the moored and shipborne meteorological measurements from the A-II.

This data report presents all the mooring data from three Woods Hole moorings, including current meters and wind recorders/meteorological sensors; the temperature data from an Aanderaa TR-1 30 m thermistor chain on the W3 spar buoy (W.H.O.I. mooring 653) is not included.

Moorings

Figure 1 shows the overall JASIN area and the Fixed Intensive Array (FIA) where most of the JASIN moorings were located. The FIA is detailed in the lower left of Figure 1. Mooring K1 from the Institut für Meereskunde (Kiel, F. R. Germany) and moorings B1-B4 from Oregon State University are shown for reference. This report describes data from W1 (W.H.O.I. mooring number 651), W2 (652), W3 (653), and H2 from NOAA/PMEL in Seattle. Table 1 gives the positions, nominal separations, and deployment and recovery times for W1-W3 and H2.

Figures 2-4 show the engineering design of the three Woods Hole moorings W1-W3; H2 is similar to W2 in design but not in instrumentation.

The purpose of the moorings in the FIA was to examine the smaller scales of air-sea interactions and atmospherically generated oceanic motions. In particular, the current meters on W1 and W2 were part of a mixed-layer dynamics and internal wave energy balance experiment; the meteorological sensors gave supporting data and the spar buoy (W3) was intended as a stable platform for mooring/instrument intercomparison purposes.

FIGURE 1: Chart of JASIN area.

Table 1a

MOORING NOMINAL POSITIONS AND DEPLOYMENT/RECOVERY TIMES

Mooring	Lat (°N)	Long (°W)	Deployed (1978)	Recovered (1978)
W1	59°01.1	12°32.0	29 July	7 Sept.
W2	59°01.5	12°33.0	30 July	6 Sept.
W3	59°01.1	12°34.3	31 July	6 Sept.
H2	59°25.0	12°30.0	16 July	3 Sept.
K1	58°59.8	12°30.6	9 July	6 Sept.
B1	59°00.4	12°33.6	1 Aug.	6 Sept.
B2	59°00.2	12°27.5	29 July	6 Sept.
B3	59°01.6	12°27.4	28 July	6 Sept.
B4	59°10.7	12°31.0	28 July	3 Sept.

Table 1b

MOORING NOMINAL SEPARATIONS (km)

	W1								
W2	1.2	W2							
W3	2.1	1.4	W3						
H2	44.3	43.6	44.4	H2					
K1	2.7	3.8	4.2	46.6	K1				
B1	2.0	2.1	1.4	45.6	3.0	B1			
B2	4.6	5.7	6.6	45.9	3.0	5.8	B2		
B3	4.4	5.3	6.6	43.4	4.5	6.3	2.5	B3	
B4	17.8	17.1	18.0	26.5	20.1	19.2	19.7	17.1

FIGURE 2: Mooring 651 (W1).

FIGURE 3: Mooring 652 (W2).

FIGURE 4: Mooring 653 (W3).

The primary importance of this study is to provide a comprehensive overview of the current state of research in the field of [illegible] and to identify the key challenges and opportunities for future research. The study is organized into several chapters, each focusing on a specific aspect of the research. Chapter 1 provides an overview of the field, while Chapter 2 discusses the theoretical framework. Chapter 3 presents the research methodology, and Chapter 4 discusses the results of the study. Chapter 5 provides a conclusion and discusses the implications of the findings. The study is based on a review of the literature and on original research conducted by the author. The results of the study are presented in detail in Chapter 4, and the conclusions are discussed in Chapter 5. The study is intended to provide a comprehensive overview of the field and to identify the key challenges and opportunities for future research. The study is organized into several chapters, each focusing on a specific aspect of the research. Chapter 1 provides an overview of the field, while Chapter 2 discusses the theoretical framework. Chapter 3 presents the research methodology, and Chapter 4 discusses the results of the study. Chapter 5 provides a conclusion and discusses the implications of the findings. The study is based on a review of the literature and on original research conducted by the author. The results of the study are presented in detail in Chapter 4, and the conclusions are discussed in Chapter 5. The study is intended to provide a comprehensive overview of the field and to identify the key challenges and opportunities for future research.

Instrumentation

The primary instruments in this data report are Vector Averaging Current Meters (VACM) and Vector Measuring Current Meters (VMCM). They differ mainly in their flow-sensing elements: the VACM uses a Savonius rotor and a vane to give speed and direction which are resolved against an internal compass to East and North components for vector averaging and recording on tape, whereas the VMCM uses orthogonal cosine-response propellers that sense directly the flow components which are then rotated relative to an internal compass to permit vector averaging and data recording.

Both instruments provide a continuous vector-average during a recording interval (112.5 s in the VACM, 120 s in the VMCM) by sampling 8(VACM) or 4(VMCM) times per rotation of the sensor; both cases correspond to sampling and vector-averaging at least several times per second.

Additional technical information on the VACM and its sensors may be found in Fofonoff and Ercan (1967), McCullough (1975), Payne et al. (1976), and Dean (1979). The VMCM is described in Weller and Davis (1979), and the Neil Brown Acoustic Current Meter (ACM) is briefly described in Lawson, et al. (1976). Intercomparisons of these instruments are given in Halpern, et al. (1979).

All three current meters record on Phillips-type magnetic tape cassettes that are removed ashore and transcribed to 9-track computer tapes for further processing as described below.

The VACM has a temperature sensor (a thermistor) embedded in its end-cap (just above the vane), and some of the VACMs carry in addition either a pressure sensor (VACM-P) or a pair of thermistors to give the vertical temperature gradient (VACM-DT); figures 2-4 show which instruments have these additions. Only the temperature and pressure sensors were specially calibrated for this experiment; the rotor and vane weights, sizes, and bearing clearances are simply kept within narrow specifications to permit the nominal calibrations (McCullough, 1975) to be used. The VMCMs and ACMs, partly because they are newer, less operational, instruments, were individually calibrated in tow tanks and flumes (Weller, and McCullough, personal communications).

Note that the temperature sensors in the VACM and the VACM-DT have different response times because the thermistor in the former is embedded in an end cap whereas in the latter it is in an external pod. This is discussed in Levine, Briscoe, and Dean (1979).

Pressure (depth) measurements were made on mooring 651/W1 at nominal depths of 85 m (approximately 85.7 dbar) and 310 m (313 dbar), and on mooring 653/W3 at a nominal depth of 15 m (15.1 dbar). The latter was recorded at 1 minute intervals, i.e. three times per 3 minute basic recording interval on the tape, which yields three pressure readings for each data cycle; because of their similarity, only the first reading of each cycle is displayed here except in the five-day statistics where all three readings are given.

The measurements show mean depths of approximately 87-94 dbar, 316-323 dbar, and 13-13.5 dbar, respectively. The differences between the measured and nominal (i.e., design) depths are due to accumulated errors in the mooring construction, uncertain knowledge of water depth (especially mooring 651/W1), and actual depth fluctuations caused by mooring response to currents. Also, the pressure sensor on 653/W3 is 1.3 m shallower than the speed sensor (which is used for the assignment of nominal depth).

The VAWR is a wind recorder and meteorological package (Payne, 1974) based on the VACM. Cups replace the Savonius rotor and additional sensors are multiplexed into the data stream, namely solar radiation, air temperature, sea temperature, and barometric pressure. The VMWR is a wind recorder based on the VMCM. The surface meteorology report by Briscoe, et al. (1979) gives additional information on the VAWR and VMWR measurements.

Data Quality and Timing

There were 23 VACMs on 651/W1, 1 on 652/W2, and 2 on 653/W3. There was 1 ACM on 652/W2, and 2 on 653/W3. There were 10 VMCMs on 652/W2. One VAWR and one VMWR were on the 652/W2 toroidal surface buoy as wind recorders, and two VMWR were installed sequentially on the H2 toroid as wind recorders.

Except as listed below, all these data were complete from deployment time to recovery time and were of high quality (i.e., no known problems of any kind, and fewer than 44 linearly interpolated points due to data tape or clock errors). The records that were less than complete, or of less than high quality, are described in Table 2.

The sampling rates, start and stop times, and number of data cycles in each available record are given in Table 3.

TABLE 2

INSTRUMENT PROBLEMS

Data Name	Instrument	Problem
6514	VACM	no data (power supply failure)
6516	VACM	350 interpolated points
651,11	VACM	no current data (loose compass card)
651,20	VACM-DT	no TDIF data (cabling error)
6520S	VMWR	record terminated 17 Aug/0930Z (sensor failure)
6521	VMCM	speeds only (Propellers wired backwards)
6524	VMCM	data noisy
6528	VMCM	no data (tape recorder failure)
652,11	ACM-1	no data (flooded; dirty O-ring)
6533	TR-1*	no data (tape fouled)
6534	TR-1*	record terminated 4 Sept/0440Z (tape ran out)
6535	TR-1*	no data (tape fouled)
6538	VMCM	no data (tape recorder failure)
H2S1	VMWR	record terminated 10 August/2230Z (sensor failure)
H2S2	VMWR	record started 26 August/1809Z (redployment)

* Aanderaa Thermistor Chains; data not in this report.

TABLE 3

RECORD START/STOP TIMES

	Recording Interval	start ⁽¹⁾	stop ⁽³⁾	no. pts.
W1/651 all	112.5s	29 July/2200Z	07 Sept/0700Z	30240
W2/652				
6520W	15 min	30 July/1700Z	06 Sept/1008Z	3652
6520S ⁽³⁾	2 min	30 July/1430Z	17 Aug/0930Z	12810
6521-6529; 652,12 ⁽³⁾	2 min	30 July/1800Z	06 Sept/1802Z	27361
652 10	112.5S	30 July/1700Z	06 Sept/1800Z	29216
W3/653				
6531,6537	3 min	31 July/1300Z	06 Sept/1300Z	17760
6532,6536	112.5 sec	31 July/1300Z	06 Sept/1300Z	28416
6534 ⁽⁴⁾	10 min	31 July/0940Z	04 Sept/0440Z	5155
H2				
H2S1 ⁽³⁾	2 min	16 July/1630Z	10 Aug/2230Z	18180
H2S2 ⁽³⁾	2 min	26 Aug/1809Z	01 Sept/2329Z	4480

- Notes: (1) beginning of first recorded data cycle
 (2) end of last recorded data cycle.
 (3) Scripps instruments use beginning of each data cycle to specify the time of the cycle; W.H.O.I. uses mid-point of each cycle.
 (4) time specified is the end of each averaging interval.

Data Processing

The Phillips-type cassettes (Sea-Data recorders in the VACM and VAWR, Memodyne recorders in the VMCM, VMWR, and ACM) were transcribed to 9-track computer compatible tapes, converted to scientific units, edited to remove launch and retrieval transients, and linearly interpolated across missing or erroneous data cycles.

W.H.O.I. data are identified by a mooring number (here, 651-653), a sequential instrument position numbered from the surface down (e.g., 6517 is the seventh instrument down on mooring 651), a letter to indicate the data version (e.g., 6517C is the third editing of 6517), and a number to indicate the recording interval for that data version (e.g., 657C112.5 is the basic data). LH at the end indicates a one-hour averaged version, and a terminating A means more editing has been done after the averaging.

The wind data from 652 are designated 6520, with 6520W meaning the W.H.O.I. VAWR, and 6520S meaning the Scripps VMWR.

Data Presentation

The presentations in this report are time series, histograms, mean statistics, five-day statistics, progressive vector plots with scatter plots, and spectra. Additional details are below. The overall scheme of presentation is in terms of depth; with the surface meteorological data all put at the end; the fold-out table at the end of the report is an index to each data file and to the pages on which its various presentations will be found.

Time Series (pages 1-35)

Variables versus time and current vectors ("stick plots") versus time are presented. The former are based on 1-hour averaged series, the latter on 4-hour averages. The bottom of each page gives the data name, the depth, the mooring type, and the instrument serial number (e.g., DT-5104). Current variables are presented as speed and direction.

Histograms (pages 37-71)

Each variable is plotted as relative frequency of occurrence per unit cell width versus amplitude; the area under the histogram is 100 percent. The mean value is marked on the horizontal axis; on the histograms of the north component of current, read $\bar{6}$ as $\bar{N}$.

Mean Statistics (pages 72-80)

The statistics for each variable, for the time period shown (not quite the entire record; the length has been slightly shortened to enhance uniformity from mooring to mooring and instrument to instrument), are given. Also, the east and north covariance, correlation, and vector statistics are given.

The mean values for each variable are the same as those plotted in the histograms.

For reference, note that a Gaussian random variable would have a kurtosis of 3 and a skewness of zero.

Five-Day Statistics (pages 81-116)

As can be seen in the time series plots, the currents and temperatures were behaving qualitatively differently during various times in the experiment. Hence, the mean statistics discussed above may be too coarse a description. Here we present the basic statistics for sequential "five-day" intervals during the experiment. Table 4 gives the start and stop time, and/or duration, of each of the instruments; note that the instruments on each mooring are treated alike. The second through seventh "five-day" periods are analyzed uniformly for all three moorings.

Progressive Vectors and Scatter Plots (pages 117-150)

Based on one-hour averaged time series, the current vectors are placed tail-to-head so as to show the path that a perfect particle in a perfectly homogeneous fluid would have traveled. The plots are excellent for giving an idea of flow regimes and low frequency behavior. Midnight positions are marked with different symbols for different months, and each fifth midnight is annotated with the date.

The same data are plotted in a scatter plot in the corner of the same page.

Spectra (pages 151-180)

The horizontal kinetic energy (HKE) and (where available) the temperature, vertical temperature gradient (TDIF), and pressure records are displayed as spectra.

The horizontal kinetic energy spectrum is half the sum of the spectra of the east and north components; it has the advantage of not being tied to a particular coordinate system.

The HKE, temperature, TDIF, and pressure spectra have units of $(\text{cm}^2/\text{sec}^2)/\text{cph}$, $(^\circ\text{C})^2/\text{cph}$, $(\text{mdeg C/m})^2/\text{cph}$, or $(\text{dbar})^2/\text{cph}$, respectively. The spectra are all one-sided, i.e. the area under the spectrum is equal to the variance of the original record. The plots are all log-log hence are not "variance preserving", i.e. the contributions of various frequency bands to the total variance are not in proportion to the displayed areas.

The spectra are all calculated based on averaging across two or three data segments of 8000 points each, following by frequency-band averaging across 3 frequencies. This gives a lowest frequency of $(83.3\text{h})^{-1}$ for the 112.5 s VACMs, $(88.9\text{h})^{-1}$ for the 120 s VMCMs, and $(133.3\text{h})^{-1}$ for the 180 s ACMS. The highest frequencies present in the spectra are 5.3 cph, 5 cph, and 3.3 cph, respectively. No data-windowing or prewhitening is done.

TIMSAN, the W.H.O.I. program (Hunt, 1978) used to produce the spectra, additionally averages the spectra in increasing groups at the higher frequencies to prevent having to plot thousands of points; this gives few degrees of freedom (d.o.f.) at the lowest frequencies, many at the highest frequencies. For the spectra calculated from 3 pieces with 3 frequencies averaged (most of the spectra), there are 18 d.o.f. in the 40 lowest frequencies and 9000 d.o.f. in the two highest frequencies; the 95% confidence limits corresponding to these two extremes are (0.57, 2.19) and (0.97, 1.03). For reference, at 1 cph there are 90 d.o.f., hence confidence limits of (0.76, 1.37).

Meteorological Data (pages 181-199)

All the meteorological data, including observations from the Atlantis-II and intercomparisons between data sets, are given in more detail in Briscoe, et al. (1979).

Here, the observations are given as:

Time Series	pages 181-184
Histograms	pages 185-189
Mean Statistics	pages 190-191
Five-Day statistics	pages 192-194
Provecs and Scatter Plots	pages 195-196
Spectra	pages 197-199

All the displays are as described above except that the units of wind speed are m/s or cm/s depending on the display, of barometric pressure

are millibars, and of solar radiation are calories/cm² or watt-hours/m², depending on the display; the conversion is $1 \text{ w-h/m}^2 = 0.086 \text{ cal/cm}^2$. The winds are all in oceanographic convention, i.e. as the direction to which the wind is blowing.

The spectra have less statistical significance than those presented earlier.

Note that buoy 652/W2 carried two meteorological packages, designated 6520W and 6520S; they started together but 6520S stopped about half-way through the experiment. Buoy H2 carried two instruments but not at the same time: H2S1 was the first setting, followed by a gap, then H2S2. Table 3 gives the exact start-stop times of all these wind sensors, and Table 5 gives the time periods used for the five-day statistics.

Table 4a

651 (JASIN W1) STATISTICS PERIODS

Period	Start Time	Stop Time	Duration
1	00Z/30 July	2359Z/03 Aug.	5 ^d
2	00Z/04 Aug.	2359Z/08 Aug.	5 ^d
3	00Z/09 Aug.	2359Z/13 Aug.	5 ^d
4	00Z/14 Aug.	2359Z/18 Aug.	5 ^d
5	00Z/19 Aug.	2359Z/23 Aug.	5 ^d
6	00Z/24 Aug.	2359Z/28 Aug.	5 ^d
7	00Z/29 Aug.	2359Z/02 Sept.	5 ^d
8	00Z/03 Sept.	0659Z/07 Sept.	4 ^d 7 ^h

Table 4b

STATISTICS PERIODS FOR OTHER MOORINGS

Period	652 (W2)		653 (W3)		Notes
	VACM	VMCM	VACM	ACM	
1	4 ^d 7 ^h	4 ^d 6 ^h	3 ^d 10 ^h	3 ^d 10 ^h	late starts
2-7	5 ^d	5 ^d	5 ^d	5 ^d	as in Table 4a
8	3 ^d 18 ^h	3 ^d 18 ^h	3 ^d 13 ^h	3 ^d 13 ^h	early finishes

Table 5

STATISTICS PERIODS FOR WINDS

Period	652 (W2)		JASIN H2	
	6520WD	6520S	H2S1**	H2S2
1-2	5 ^d	5 ^d	5 ^d	N.D.
3	5 ^d	5 ^d	1 ^d 22.5 ^h	N.D.
4	5 ^d	3 ^d 9.5 ^h	N.D.	N.D.
5	5 ^d	N.D.*	N.D.	N.D.
6	5 ^d	N.D.	N.D.	2 ^d 6 ^h
7	5 ^d	N.D.	N.D.	3 ^d 23.5 ^h
8	3 ^d 18 ^h	N.D.	N.D.	N.D.

* No Data

** H2S1 starts on 78-VII-16, 16.30.00; statistics for overall record are given on p. 191.

COMPOSITE PLOTS

Four composite plots are given here. Representative records from 5 to 1000 m (the water was 1500 m deep) are plotted on the same vertical scale to give an idea of how the currents and temperatures change with depth. The 5 to 70 m records are from VMCMS on 652/W2; the deeper records are all from 651/W1. The four plots are of speed, north component, east component, and temperature (on two pages, all W1 instruments).

For purposes of filling out these composites, 6513 and 6515 have been vector averaged to give an interpolated fake 6514 at 88 m, and 651,10 and 651,12 have been vector averaged to give a 651,11 fake instrument at 109 m; see Table 2.

SPEED CM /SEC INCREMENTS OF 10 CM /SEC

FIGURE 5: Composite plot of speed.

NORTH COMPONENT CM./SEC INCREMENTS OF 10 CM./SEC

FIGURE 6: Composite plot of North current.

EAST COMPONENT CM /SEC INCREMENTS OF 10 CM /SEC

FIGURE 7: Composite plot of East current.

TEMPERATURE DEGREES CELSIUS INCREMENTS OF .2 DEGREES

FIGURE 8: Composite plot of temperature.

REFERENCES

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DATA

PRESENTATIONS

DATA 6521B DEPTH 5 M. SURFACE MOORING
VMCM-10

NORTH

0 (CM/SEC) 50

DATA 6522B DEPTH 10 M. SURFACE MOORING

VMCM-1

NORTH.

0 (CM/SEC) 50

DATA 6523B DEPTH 15 M. SURFACE MOORING
VMCM-4

NORTH
 ↑
 0 (CM/SEC) 50

DATA 65310 DEPTH 15M. SPAR MOORING

ACM-1

31 JUL 78 05 AUG 10 15 20 25 30 04 SEP

NORTH

0 (CM/SEC) 50

DATA 6532B DEPTH 17M.

SPAR MOORING
V-433

NORTH.

0 (CM/SEC) 50

DATA 6524B DEPTH 20 M. SURFACE MOORING
VMCM-3

DATA 6525B DEPTH 30 M. SURFACE MOORING
VMCM-8

NORTH

0 (CM/SEC) 50

DATA 6526B DEPTH 40 M. SURFACE MOORING
VMCM 6

NORTH

0 (CM/SEC) 50

DATA 6527B

DEPTH 50 M.

SURFACE

MOORING

VMCM-7

NORTH

0 (CM/SEC) 50

DATA 6529B DEPTH 70 M. SURFACE MOORING VMCM-14

DATA 6511A DEPTH 79M. SUBSURFACE MOORING
DT-5104

30 JUL 78 04 AUG 09 14 19 24 29 03 SEP

DATA 652, 10A DEPTH 79M. SURFACE MOORING
V-436

31 JUL 05 10 15 20 25 30 04 SEP
78 AUG

TEMP. CELSIUS
10.40
10.20
10.00
9.80
9.60
9.40
9.20
9.00

TEMP. CELSIUS
10.40
10.20
10.00
9.80
9.60
9.40
9.20
9.00

DATA 6536B DEPTH 79M.

SPAR MOORING
DT-5113

DATA 65120 DEPTH 82 M. SUBSURFACE MOORING
DT-5106

31 JUL 78 05 AUG 10 15 20 25 30 04 SEP

TEMP. CELSIUS
10.30
10.10
9.90
9.70
9.50
9.30
9.10
8.90

TEMP. CELSIUS
10.30
10.10
9.90
9.70
9.50
9.30
9.10
8.90

NORTH

0 (CM/SEC) 50

SPEED CM/S
40
30
20
10
0

31 JUL 78 05 AUG 10 15 20 25 30 04 SEP

SPEED CM/S
40
30
20
10
0

DATA 65370 DEPTH 82M.

SPAR MOORING
ACM-1

DATA 6513B DEPTH 85M. SUBSURFACE MOORING V326P

NORTH

0 (CM/SEC) 50

DATA 652.12B DEPTH 85 M. SURFACE MOORING
VMCM-13

NORTH

0 (CM/SEC) 50

DATA 6515C DEPTH 91M. SUBSURFACE MOORING
DT-5107

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

DATA 6516F DEPTH 94M. SUBSURFACE MOORING
V-177

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

DATA 6517C DEPTH 97M. SUBSURFACE MOORING
V-386

DATA 6518A DEPTH 100M. SUBSURFACE MOORING
DT-5108

DATA 6519A DEPTH 103M. SUBSURFACE MOORING
DT-5109

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

TEMP. CELSIUS
10.00
9.80
9.60
9.40
9.20
9.00
8.80
8.60

TEMP. CELSIUS
10.00
9.80
9.60
9.40
9.20
9.00
8.80
8.60

NORTH

0 (CM/SEC) 50

DIRECTION
360
270
180
90
0

DIRECTION
360
270
180
90
0

SPEED CM/S
40
30
20
10
0

SPEED CM/S
40
30
20
10
0

DATA 651,10C DEPTH 106M. SUBSURFACE MOORING
V-373

DATA 651,12A DEPTH 112M. SUBSURFACE MOORING
DT-5114

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

DATA 651, 13B DEPTH 115M. SUBSURFACE MOORING
V-101

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

DATA 651,148 DEPTH 118M. SUBSURFACE MOORING
V-105

DATA 651,15B DEPTH 121M. SUBSURFACE MOORING
DT-5115

DATA 651,16A DEPTH 124M. SUBSURFACE MOORING
DT-5116

DATA 651, 17A DEPTH 185M. SUBSURFACE MOORING
DT-5117

DATA 651, 18A DEPTH 200M. SUBSURFACE MOORING
DT-5101

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

DATA 651,19A DEPTH 210M. SUBSURFACE MOORING

V-431

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

DATA 651, 20A DEPTH 295M. SUBSURFACE MOORING
DT-5102

DATA 651,21A DEPTH 300M. SUBSURFACE MOORING
DT-5110

DATA 651,22A DEPTH 310M. SUBSURFACE MOORING
V-110P

29 JUL 78 03 AUG 08 13 18 23 28 02 SEP 07

DATA 651,23C DEPTH 1000M. SUBSURFACE MOORING
DT-5105

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

[Handwritten text, likely a signature or title, is present but illegible.]

DATA FOR 200 DEPTH YOOKH. SUBSURFACE MODIFIED
01-5102

6521B120B

SURFACE MOORING/ 10 M./VMCM-1

6522B120A

0001628

1-0214-1 1-0214-1 1-0214-1

SURFACE MOORING/ 15 M./VMCM-4

6523B120A

2151185022

SURFACE MOORING/

20 M./VMCM-3

65248120A

SURFACE MOORING/

30 M./VMCM-8

6525B120A

SURFACE MOBRING/

40 M./VMCM-6

6526B120A

SURFACE MBBRING/ 50 M./VMCM-7

6527B120A

SURFACE MEETING/ 70 M./VMCM-14

6529B120A

SUBSURFACE MOORING/ 79 M./ DT-5104

6511A112.5

65212B120A

85 M./VMCM-13

SURFACE M00RING/

85 M./VMCM-13

652,12B120A

6516F112.5

12:22 DEC 10, '70

SUBSURFACE MOORING/ 118 M./ V-105

651,14B112.5

651,16A112.5

SUBSURFACE MBBRING/ 1000 M./ DT=5105

651,23C112.5

```

DATA/ 6521B120B
SURFACE MAPPING/ 5 M./VCM=10
*****
VARIABLE * SPEED *
UNITS * CM/SEC *
*****
MEAN = 20.160
STD. ERR. = .638E-1
VARIANCE = 110.130
STD. DEV. = 10.494
KURTOSIS = 2.287
SKEWNESS = .4251
MINIMUM = .952E-1
MAXIMUM = 54.707

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 27361 POINTS
*****
SPANNING RANGE
FROM 78- VII-30 18.00.00
TO 78- IX -06 18.00.00
DURATION 38.00 DAYS

*****
SPAR MAPPING/ 15 M./VCM=1
*****
VARIABLE * EAST *
UNITS * CM/SEC *
*****
MEAN = .6.132
STD. ERR. = .115
VARIANCE = 2.5.127
STD. DEV. = 15.334
KURTOSIS = 2.592
SKEWNESS = .104
MINIMUM = .67.992
MAXIMUM = 35.425

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 27361 POINTS
*****
SPANNING RANGE
FROM 78- VII-30 18.00.00
TO 78- IX -06 18.00.00
DURATION 38.00 DAYS

*****
SPAR MAPPING/ 17 M./VCM=3
*****
VARIABLE * NORTH *
UNITS * CM/SEC *
*****
MEAN = 4.039
STD. ERR. = .970E-1
VARIANCE = 267.453
STD. DEV. = 16.354
KURTOSIS = 2.614
SKEWNESS = -.343
MINIMUM = -48.234
MAXIMUM = 42.266

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 28416 POINTS
*****
SPANNING RANGE
FROM 78- VII-31 13.00.56
TO 78- IX -06 12.59.03
DURATION 37.00 DAYS

DATA/ 6523M120A
SURFACE MAPPING/ 15 M./VCM=4
*****
VARIABLE * EAST *
UNITS * CM/SEC *
*****
MEAN = .5.505
STD. ERR. = .779E-1
VARIANCE = 145.910
STD. DEV. = 12.074
KURTOSIS = 2.863
SKEWNESS = .569E-1
MINIMUM = -43.268
MAXIMUM = 35.205

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 27361 POINTS
*****
SPANNING RANGE
FROM 78- VII-30 18.00.00
TO 78- IX -06 18.00.00
DURATION 38.00 DAYS

*****
SPAR MAPPING/ 17 M./VCM=3
*****
VARIABLE * NORTH *
UNITS * CM/SEC *
*****
MEAN = 4.039
STD. ERR. = .970E-1
VARIANCE = 267.453
STD. DEV. = 16.354
KURTOSIS = 2.614
SKEWNESS = -.343
MINIMUM = -48.234
MAXIMUM = 42.266

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 28416 POINTS
*****
SPANNING RANGE
FROM 78- VII-31 13.00.56
TO 78- IX -06 12.59.03
DURATION 37.00 DAYS

DATA/ 6521B120B
SURFACE MAPPING/ 5 M./VCM=10
*****
VARIABLE * SPEED *
UNITS * CM/SEC *
*****
MEAN = 20.160
STD. ERR. = .638E-1
VARIANCE = 110.130
STD. DEV. = 10.494
KURTOSIS = 2.287
SKEWNESS = .4251
MINIMUM = .952E-1
MAXIMUM = 54.707

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 27361 POINTS
*****
SPANNING RANGE
FROM 78- VII-30 18.00.00
TO 78- IX -06 18.00.00
DURATION 38.00 DAYS

*****
SPAR MAPPING/ 15 M./VCM=1
*****
VARIABLE * EAST *
UNITS * CM/SEC *
*****
MEAN = .6.132
STD. ERR. = .115
VARIANCE = 2.5.127
STD. DEV. = 15.334
KURTOSIS = 2.592
SKEWNESS = .104
MINIMUM = .67.992
MAXIMUM = 35.425

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 27361 POINTS
*****
SPANNING RANGE
FROM 78- VII-30 18.00.00
TO 78- IX -06 18.00.00
DURATION 38.00 DAYS

*****
SPAR MAPPING/ 17 M./VCM=3
*****
VARIABLE * NORTH *
UNITS * CM/SEC *
*****
MEAN = 4.039
STD. ERR. = .970E-1
VARIANCE = 267.453
STD. DEV. = 16.354
KURTOSIS = 2.614
SKEWNESS = -.343
MINIMUM = -48.234
MAXIMUM = 42.266

*****
EAST & NORTH
*****
CHVARIANCE =
STD. ERR. OF CHVARIANCE =
STD. DEV. OF CHVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN =
VECTOR VARIANCE =
VECTOR STD. DEV. =

*****
SAMPLE SIZE = 28416 POINTS
*****
SPANNING RANGE
FROM 78- VII-31 13.00.56
TO 78- IX -06 12.59.03
DURATION 37.00 DAYS

```


DATA/ 6525B120A SURFACE MAPPING/ 30 M./VMCM-R

VARIABLE	EAST	NORTH	SPEED
UNITS	CM/SEC	CM/SEC	CM/SEC
MEAN	-6.014	2.210	16.169
STD. ERR.	.636E-1	.790E-1	.500E-1
VARIANCE	110.621	170.677	68.504
STD. DEV.	10.518	13.064	8.277
KURTOSIS	2.669	3.040	2.936
SKEWNESS	-.280E-1	-.616	.459
MINIMUM	-41.650	-41.938	.000
MAXIMUM	24.833	32.634	45.551

EAST & NORTH

COVARIANCE = -2.705

STD. ERR. OF COVARIANCE = 1.040

STD. DEV. OF COVARIANCE = 172.015

CORRELATION COEFFICIENT = -.197E-1

VECTOR MEAN = 6.974

VECTOR VARIANCE = 140.649

VECTOR STD. DEV. = 11.860

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18.00.00

TO 78- IX -06 18.00.00

DURATION 38.00 DAYS

DATA/ 6527H120A SURFACE MAPPING/ 50 M./VMCM-7

VARIABLE	EAST	NORTH	SPEED
UNITS	CM/SEC	CM/SEC	CM/SEC
MEAN	-7.579	3.424	14.106
STD. ERR.	.506E-1	.652E-1	.455E-1
VARIANCE	70.015	116.446	56.675
STD. DEV.	8.367	10.791	7.528
KURTOSIS	2.625	2.368	2.132
SKEWNESS	-.162	-.239	.221
MINIMUM	-33.534	-33.223	.000
MAXIMUM	16.948	29.855	39.963

EAST & NORTH

COVARIANCE = -1.4223

STD. ERR. OF COVARIANCE = .807

STD. DEV. OF COVARIANCE = 133.887

CORRELATION COEFFICIENT = -.202

VECTOR MEAN = 8.319

VECTOR VARIANCE = 93.230

VECTOR STD. DEV. = 9.656

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18.00.00

TO 78- IX -06 18.00.00

DURATION 38.00 DAYS

DATA/ 6524H120A SURFACE MAPPING/ 20 M./VMCM-3

VARIABLE	EAST	NORTH	SPEED
UNITS	CM/SEC	CM/SEC	CM/SEC
MEAN	-4.745	1.844	20.276
STD. ERR.	.859E-1	.349E-1	.630E-1
VARIANCE	201.566	267.655	105.657
STD. DEV.	14.202	16.367	10.285
KURTOSIS	2.733	3.028	2.908
SKEWNESS	.291E-1	-.467	.436
MINIMUM	-51.273	-59.274	.000
MAXIMUM	27.036	50.645	61.919

EAST & NORTH

COVARIANCE = -1.515

STD. ERR. OF COVARIANCE = 1.574

STD. DEV. OF COVARIANCE = 260.305

CORRELATION COEFFICIENT = -.652E-2

VECTOR MEAN = 7.032

VECTOR VARIANCE = 234.776

VECTOR STD. DEV. = 15.322

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18.00.00

TO 78- IX -06 18.00.00

DURATION 38.00 DAYS

DATA/ 6526H120A SURFACE MAPPING/ 40 M./VMCM-6

VARIABLE	EAST	NORTH	SPEED
UNITS	CM/SEC	CM/SEC	CM/SEC
MEAN	-7.590	3.464	14.916
STD. ERR.	.557E-1	.688E-1	.475E-1
VARIANCE	94.839	129.692	61.649
STD. DEV.	9.741	11.388	7.852
KURTOSIS	2.693	2.759	2.524
SKEWNESS	-.149	-.465	.399
MINIMUM	-37.231	-37.231	.000
MAXIMUM	25.051	37.117	45.337

EAST & NORTH

COVARIANCE = -5.713

STD. ERR. OF COVARIANCE = .932

STD. DEV. OF COVARIANCE = 154.124

CORRELATION COEFFICIENT = -.345E-1

VECTOR MEAN = 8.343

VECTOR VARIANCE = 107.266

VECTOR STD. DEV. = 10.367

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18.00.00

TO 78- IX -06 18.00.00

DURATION 38.00 DAYS

DATA/ 65298120A SURFACE MORRING/ 70 M./V=436

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-7.275	3.127	13.178		
STD. ERR.	.478E-1	.630E-1	.117E-1		
VARIANCE	42.513	108.611	60.199		
STD. DEV.	7.906	10.422	7.756		
KURTOSIS	2.917	2.167	2.299		
SKEWNESS	.479	.127	.447		
MINIMUM	-74.274	-25.152	.000		
MAXIMUM	13.228	29.995	36.169		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18-00-00

TO 78- IX-06 18-00-00

DURATION 38-00 DAYS

DATA/ 65210A112.5 SURFACE MORRING/ 79 M./DT=514

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-7.275	3.127	13.178		
STD. ERR.	.478E-1	.630E-1	.117E-1		
VARIANCE	42.513	108.611	60.199		
STD. DEV.	7.906	10.422	7.756		
KURTOSIS	2.917	2.167	2.299		
SKEWNESS	.479	.127	.447		
MINIMUM	-74.274	-25.152	.000		
MAXIMUM	13.228	29.995	36.169		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18-00-00

TO 78- IX-06 18-00-00

DURATION 38-00 DAYS

DATA/ 65210A112.5 SURFACE MORRING/ 79 M./V=436

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-10.027	4.404	19.187		
STD. ERR.	.589E-1	.869E-1	.501E-1		
VARIANCE	101.287	220.414	73.466		
STD. DEV.	10.064	14.846	8.571		
KURTOSIS	2.676	1.812	2.208		
SKEWNESS	.917E-1	-.439E-1	.116		
MINIMUM	-37.656	-30.146	.197		
MAXIMUM	20.319	34.660	41.045		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 29216 POINTS

SPANNING RANGE

FROM 78- VII-30 17-00-56

TO 78- IX-06 17-59-03

DURATION 38-04 DAYS

DATA/ 65298120A SURFACE MORRING/ 70 M./V=436

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-7.275	3.127	13.178		
STD. ERR.	.478E-1	.630E-1	.117E-1		
VARIANCE	42.513	108.611	60.199		
STD. DEV.	7.906	10.422	7.756		
KURTOSIS	2.917	2.167	2.299		
SKEWNESS	.479	.127	.447		
MINIMUM	-74.274	-25.152	.000		
MAXIMUM	13.228	29.995	36.169		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18-00-00

TO 78- IX-06 18-00-00

DURATION 38-00 DAYS

DATA/ 65210A112.5 SURFACE MORRING/ 79 M./DT=514

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-7.275	3.127	13.178		
STD. ERR.	.478E-1	.630E-1	.117E-1		
VARIANCE	42.513	108.611	60.199		
STD. DEV.	7.906	10.422	7.756		
KURTOSIS	2.917	2.167	2.299		
SKEWNESS	.479	.127	.447		
MINIMUM	-74.274	-25.152	.000		
MAXIMUM	13.228	29.995	36.169		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18-00-00

TO 78- IX-06 18-00-00

DURATION 38-00 DAYS

DATA/ 65210A112.5 SURFACE MORRING/ 79 M./DT=514

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-7.275	3.127	13.178		
STD. ERR.	.478E-1	.630E-1	.117E-1		
VARIANCE	42.513	108.611	60.199		
STD. DEV.	7.906	10.422	7.756		
KURTOSIS	2.917	2.167	2.299		
SKEWNESS	.479	.127	.447		
MINIMUM	-74.274	-25.152	.000		
MAXIMUM	13.228	29.995	36.169		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 27361 POINTS

SPANNING RANGE

FROM 78- VII-30 18-00-00

TO 78- IX-06 18-00-00

DURATION 38-00 DAYS

DATA/ 651A112.5 SUBSURFACE MORRING/ 79 M./ DT=5104

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	.7284	4.313	15.224		
STD. ERR.	.505E-1	.696E-1	.135E-1		
VARIANCE	77.169	148.492	63.512		
STD. DEV.	8.785	12.102	7.969		
KURTOSIS	2.776	2.027	2.587		
SKEWNESS	.219	.137	.425		
MINIMUM	-33.656	-21.862	1.028		
MAXIMUM	13.860	35.826	37.183		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 30240 POINTS

SPANNING RANGE

FROM 78- VII-29 22-00-56

TO 78- IX-07 06-59-03

DURATION 39-37 DAYS

DATA/ 65368112.5 SPAR MORRING/ 79 M./DT=5113

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-8.904	4.084	17.662		
STD. ERR.	.579E-1	.788E-1	.176E-1		
VARIANCE	95.304	176.607	55.921		
STD. DEV.	9.762	13.289	7.478		
KURTOSIS	2.771	1.862	2.612		
SKEWNESS	.679E-1	.128	.413		
MINIMUM	-40.685	-42.028	.324		
MAXIMUM	18.580	36.113	56.876		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 28416 POINTS

SPANNING RANGE

FROM 78- VII-31 13-00-56

TO 78- IX-06 12-59-03

DURATION 37-00 DAYS

DATA/ 65368112.5 SPAR MORRING/ 79 M./DT=5113

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-8.904	4.084	17.662		
STD. ERR.	.579E-1	.788E-1	.176E-1		
VARIANCE	95.304	176.607	55.921		
STD. DEV.	9.762	13.289	7.478		
KURTOSIS	2.771	1.862	2.612		
SKEWNESS	.679E-1	.128	.413		
MINIMUM	-40.685	-42.028	.324		
MAXIMUM	18.580	36.113	56.876		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 28416 POINTS

SPANNING RANGE

FROM 78- VII-31 13-00-56

TO 78- IX-06 12-59-03

DURATION 37-00 DAYS

DATA/ 65368112.5 SPAR MORRING/ 79 M./DT=5113

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-8.904	4.084	17.662		
STD. ERR.	.579E-1	.788E-1	.176E-1		
VARIANCE	95.304	176.607	55.921		
STD. DEV.	9.762	13.289	7.478		
KURTOSIS	2.771	1.862	2.612		
SKEWNESS	.679E-1	.128	.413		
MINIMUM	-40.685	-42.028	.324		
MAXIMUM	18.580	36.113	56.876		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 28416 POINTS

SPANNING RANGE

FROM 78- VII-31 13-00-56

TO 78- IX-06 12-59-03

DURATION 37-00 DAYS

DATA/ 65368112.5 SPAR MORRING/ 79 M./DT=5113

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-8.904	4.084	17.662		
STD. ERR.	.579E-1	.788E-1	.176E-1		
VARIANCE	95.304	176.607	55.921		
STD. DEV.	9.762	13.289	7.478		
KURTOSIS	2.771	1.862	2.612		
SKEWNESS	.679E-1	.128	.413		
MINIMUM	-40.685	-42.028	.324		
MAXIMUM	18.580	36.113	56.876		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 28416 POINTS

SPANNING RANGE

FROM 78- VII-31 13-00-56

TO 78- IX-06 12-59-03

DURATION 37-00 DAYS

DATA/ 65368112.5 SPAR MORRING/ 79 M./DT=5113

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	YDIF.
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	-8.904	4.084	17.662		
STD. ERR.	.579E-1	.788E-1	.176E-1		
VARIANCE	95.304	176.607	55.921		
STD. DEV.	9.762	13.289	7.478		
KURTOSIS	2.771	1.862	2.612		
SKEWNESS	.679E-1	.128	.413		
MINIMUM	-40.685	-42.028	.324		
MAXIMUM	18.580	36.113	56.876		

EAST & NORTH

COVARIANCE

STD. ERR. OF COVARIANCE

STD. DEV. OF COVARIANCE

CORRELATION COEFFICIENT

VECTOR MEAN

VECTOR VARIANCE

VECTOR STD. DEV.

SAMPLE SIZE = 28416 POINTS

SPANNING RANGE

FROM 78- VII-31 13-00-56

TO 78- IX-06 12-59-03

DURATION 37-00 DAYS


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DATA/ 6512C112.5 SUBSURFACE MOORING/ 82 M./ DT=5106
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CM/SEC
*****
MEAN = -7.553 3.838 15.363 9.413
STD. ERR. = .532E-1 .683E-1 .476E-1 .130E-2
VARIANCE = 85.491 11.878 68.516 .511E-1
STD. DEV. = 9.246 3.446 8.277 2.26
KURTOSIS = 2.723 2.075 2.550 2.548
SKEWNESS = -.339 .128 .645 1.157
MINIMUM = -35.721 -22.035 8.862 -121.039
MAXIMUM = 14.469 34.461 37.996 169.708
*****
EAST & NORTH
*****
COVARIANCE = -29.230
STD. ERR. OF COVARIANCE = .979
STD. DEV. OF COVARIANCE = 170.216
CORRELATION COEFFICIENT = -.266
VECTOR MEAN = 8.830
VECTOR VARIANCE = 113.291
VECTOR STD. DEV. = 10.644
*****
SAMPLE SIZE = 30240 POINTS
*****
SPANNING RANGE
FROM 78- VII-29 22.00.56
TO 78- IX -07 06.59.03
DURATION 39.37 DAYS
*****
DATA/ 65138112.5 SUBSURFACE MOORING/ 85 M./ V=326M
*****
VARIABLE * EAST NORTH SPEED PRESSURE TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC DECIBARS CELSIUS
*****
MEAN = -7.672 4.199 .710E-1 152.306 9.371
STD. ERR. = .517E-1 .152E-1 .146E-1 .6237 .124E-2
VARIANCE = 80.716 12.341 2.008 2.545 2.291
STD. DEV. = 8.984 3.498 1.418 1.600 1.500
KURTOSIS = 2.711 2.008 2.545 2.545 2.545
SKEWNESS = -.282 .155 .642 3.857 10.618
MINIMUM = -35.438 -22.634 -148 85.910 3.857
MAXIMUM = 14.512 35.179 38.181 100.512 10.618
*****
EAST & NORTH
*****
COVARIANCE = -27.420
STD. ERR. OF COVARIANCE = 1.017
STD. DEV. OF COVARIANCE = 176.919
CORRELATION COEFFICIENT = -.247
VECTOR MEAN = 8.745
VECTOR VARIANCE = 116.511
VECTOR STD. DEV. = 10.794
*****
SAMPLE SIZE = 30240 POINTS
*****
SPANNING RANGE
FROM 78- VII-29 22.00.56
TO 78- IX -07 06.59.03
DURATION 39.37 DAYS
*****
DATA/ 6537D60 SPAR MOORING/ 82 M./ACH=
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CM/SEC
*****
MEAN = -7.177 .816 12.944 9.508
STD. ERR. = .680E-1 .811E-1 .740E-1 .204E-2
VARIANCE = 82.005 116.580 97.092 20.4E-1
STD. DEV. = 9.056 10.797 9.854 2.72
KURTOSIS = 3.160 2.666 2.231 2.360
SKEWNESS = -.875 .266 .618 .212
MINIMUM = -27.618 -27.618 .000 8.930
MAXIMUM = 14.308 36.459 41.076 10.300
*****
EAST & NORTH
*****
COVARIANCE = -25.822
STD. ERR. OF COVARIANCE = 1.211
STD. DEV. OF COVARIANCE = 161.271
CORRELATION COEFFICIENT = .264
VECTOR MEAN = 8.128
VECTOR VARIANCE = 99.292
VECTOR STD. DEV. = 9.965
*****
SAMPLE SIZE = 17740 POINTS
*****
SPANNING RANGE
FROM 78- VII-31 14.01.30
TO 78- IX -06 12.58.30
DURATION 36.96 DAYS
*****
DATA/ 65212B120A SURFACE MOORING/ 85 M./VMCM=13
*****
VARIABLE * EAST NORTH SPEED
UNITS * CM/SEC CM/SEC CM/SEC
*****
MEAN = -7.554 2.913 13.462
STD. ERR. = .488E-1 .643E-1 .479E-1
VARIANCE = 45.173 113.109 62.662
STD. DEV. = 6.723 10.635 7.916
KURTOSIS = 2.990 2.121 2.462
SKEWNESS = .500 .158 .530
MINIMUM = -24.603 -22.414 .000
MAXIMUM = 13.272 30.954 36.451
*****
EAST & NORTH
*****
COVARIANCE = -24.533
STD. ERR. OF COVARIANCE = .844
STD. DEV. OF COVARIANCE = 139.675
CORRELATION COEFFICIENT = .286
VECTOR MEAN = 8.096
VECTOR VARIANCE = 89.141
VECTOR STD. DEV. = 9.441
*****
SAMPLE SIZE = 27361 POINTS
*****
SPANNING RANGE
FROM 78- VII-30 18.00.00
TO 78- IX -06 18.00.00
DURATION 38.00 DAYS
*****

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DATA/ 6515C112.5 SUBSURFACE HOORING/ 91 M./ DT=5107

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	TDIF
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	87.412	8.598	15.420	9.290	10.485
STD. ERR.	510E-1	720E-1	433E-1	115E-2	817E-1
VARIANCE	78.571	156.712	73.598	401E-1	201.736
STD. DEV.	8.864	12.518	8.579	2.00	14.203
KURTOSIS	2.691	2.028	2.559	2.358	14.204
SKEWNESS	0.266	0.219	0.641	0.351	1.541
MINIMUM	35.280	20.923	4.02	8.818	2.950
MAXIMUM	15.702	38.387	38.709	10.239	176.193

EAST & NORTH

COVARIANCE = 25.407
STD. ERR. OF COVARIANCE = 1.037
STD. DEV. OF COVARIANCE = 180.321
CORRELATION COEFFICIENT = 0.259
VECTOR MEAN = 8.723
VECTOR VARIANCE = 117.641
VECTOR STD. DEV. = 10.846

EAST & NORTH

COVARIANCE = -31.113
STD. ERR. OF COVARIANCE = 1.034
STD. DEV. OF COVARIANCE = 179.831
CORRELATION COEFFICIENT = -0.231
VECTOR MEAN = 9.122
VECTOR VARIANCE = 113.979
VECTOR STD. DEV. = 10.576

EAST & NORTH

COVARIANCE = -31.113
STD. ERR. OF COVARIANCE = 1.034
STD. DEV. OF COVARIANCE = 179.831
CORRELATION COEFFICIENT = -0.231
VECTOR MEAN = 9.122
VECTOR VARIANCE = 113.979
VECTOR STD. DEV. = 10.576

EAST & NORTH

COVARIANCE = -31.113
STD. ERR. OF COVARIANCE = 1.034
STD. DEV. OF COVARIANCE = 179.831
CORRELATION COEFFICIENT = -0.231
VECTOR MEAN = 9.122
VECTOR VARIANCE = 113.979
VECTOR STD. DEV. = 10.576

DATA/ 6516F112.5 SUBSURFACE HOORING/ 94 M./ V=177

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	TDIF
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	8.223	3.948	15.408	9.267	10.485
STD. ERR.	536E-1	683E-1	494E-1	111E-2	817E-1
VARIANCE	36.746	14.212	7.765	374E-1	201.736
STD. DEV.	6.062	3.783	2.789	1.93	14.203
KURTOSIS	2.567	2.049	2.543	2.358	14.204
SKEWNESS	-0.348	0.123	0.645	0.351	1.541
MINIMUM	-30.034	-22.122	1.20	8.815	2.950
MAXIMUM	19.620	33.947	37.988	9.866	176.193

EAST & NORTH

COVARIANCE = -31.113
STD. ERR. OF COVARIANCE = 1.034
STD. DEV. OF COVARIANCE = 179.831
CORRELATION COEFFICIENT = -0.231
VECTOR MEAN = 9.122
VECTOR VARIANCE = 113.979
VECTOR STD. DEV. = 10.576

EAST & NORTH

COVARIANCE = -31.113
STD. ERR. OF COVARIANCE = 1.034
STD. DEV. OF COVARIANCE = 179.831
CORRELATION COEFFICIENT = -0.231
VECTOR MEAN = 9.122
VECTOR VARIANCE = 113.979
VECTOR STD. DEV. = 10.576

EAST & NORTH

COVARIANCE = -31.113
STD. ERR. OF COVARIANCE = 1.034
STD. DEV. OF COVARIANCE = 179.831
CORRELATION COEFFICIENT = -0.231
VECTOR MEAN = 9.122
VECTOR VARIANCE = 113.979
VECTOR STD. DEV. = 10.576

DATA/ 6517C112.5 SUBSURFACE HOORING/ 97 M./ V=386

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	TDIF
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	7.718	4.155	15.364	9.230	10.485
STD. ERR.	515E-1	700E-1	489E-1	108E-2	817E-1
VARIANCE	30.316	148.214	72.435	356E-1	201.736
STD. DEV.	5.506	12.174	8.511	1.88	14.203
KURTOSIS	2.601	2.022	2.464	2.435	14.204
SKEWNESS	-0.256	0.179	0.592	0.351	1.541
MINIMUM	-35.263	-23.972	4.27	8.775	2.950
MAXIMUM	13.199	34.232	37.721	9.792	176.193

EAST & NORTH

COVARIANCE = -29.514
STD. ERR. OF COVARIANCE = 1.023
STD. DEV. OF COVARIANCE = 177.923
CORRELATION COEFFICIENT = -0.271
VECTOR MEAN = 8.942
VECTOR VARIANCE = 114.265
VECTOR STD. DEV. = 10.689

EAST & NORTH

COVARIANCE = -29.514
STD. ERR. OF COVARIANCE = 1.023
STD. DEV. OF COVARIANCE = 177.923
CORRELATION COEFFICIENT = -0.271
VECTOR MEAN = 8.942
VECTOR VARIANCE = 114.265
VECTOR STD. DEV. = 10.689

EAST & NORTH

COVARIANCE = -29.514
STD. ERR. OF COVARIANCE = 1.023
STD. DEV. OF COVARIANCE = 177.923
CORRELATION COEFFICIENT = -0.271
VECTOR MEAN = 8.942
VECTOR VARIANCE = 114.265
VECTOR STD. DEV. = 10.689

EAST & NORTH

COVARIANCE = -29.514
STD. ERR. OF COVARIANCE = 1.023
STD. DEV. OF COVARIANCE = 177.923
CORRELATION COEFFICIENT = -0.271
VECTOR MEAN = 8.942
VECTOR VARIANCE = 114.265
VECTOR STD. DEV. = 10.689

DATA/ 6518A112.5 SUBSURFACE HOORING/ 100 M./ DT=5108

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	TDIF
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	7.367	4.849	15.403	9.210	10.485
STD. ERR.	494E-1	728E-1	497E-1	107E-2	817E-1
VARIANCE	73.902	160.149	74.587	344E-1	201.736
STD. DEV.	8.597	12.655	8.636	1.86	14.203
KURTOSIS	2.692	2.038	2.543	2.436	14.204
SKEWNESS	-1.148	0.253	0.633	0.425	1.541
MINIMUM	-33.398	-23.543	4.24	8.756	2.950
MAXIMUM	13.095	36.748	38.697	9.727	176.193

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

DATA/ 6519A112.5 SUBSURFACE HOORING/ 100 M./ DT=5108

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	TDIF
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	7.367	4.849	15.403	9.210	10.485
STD. ERR.	494E-1	728E-1	497E-1	107E-2	817E-1
VARIANCE	73.902	160.149	74.587	344E-1	201.736
STD. DEV.	8.597	12.655	8.636	1.86	14.203
KURTOSIS	2.692	2.038	2.543	2.436	14.204
SKEWNESS	-1.148	0.253	0.633	0.425	1.541
MINIMUM	-33.398	-23.543	4.24	8.756	2.950
MAXIMUM	13.095	36.748	38.697	9.727	176.193

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

DATA/ 6519A112.5 SUBSURFACE HOORING/ 100 M./ DT=5108

VARIABLE	EAST	NORTH	SPEED	TEMPERATURE	TDIF
UNITS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M
MEAN	7.367	4.849	15.403	9.210	10.485
STD. ERR.	494E-1	728E-1	497E-1	107E-2	817E-1
VARIANCE	73.902	160.149	74.587	344E-1	201.736
STD. DEV.	8.597	12.655	8.636	1.86	14.203
KURTOSIS	2.692	2.038	2.543	2.436	14.204
SKEWNESS	-1.148	0.253	0.633	0.425	1.541
MINIMUM	-33.398	-23.543	4.24	8.756	2.950
MAXIMUM	13.095	36.748	38.697	9.727	176.193

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

EAST & NORTH

COVARIANCE = -25.029
STD. ERR. OF COVARIANCE = 1.033
STD. DEV. OF COVARIANCE = 179.531
CORRELATION COEFFICIENT = -0.230
VECTOR MEAN = 8.819
VECTOR VARIANCE = 117.076
VECTOR STD. DEV. = 10.818

DATA/ 6519A112.5 SUBSURFACE M00RING/ 103 M./ DT-5109

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE TDF
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS MDEG/M
*****
MEAN = 0.021 0.248 15.310 9.183 7.262
STD. ERR. = 0.51E-1 0.69E-1 0.49E-1 0.10E-2 0.69E-1
VARIANCE = 8.20E-1 7.35E-1 7.35E-1 1.67E-2 1.67E-1
STD. DEV. = 9.05 2.71 2.71 0.13 0.41
KURTOSIS = 2.64 2.01 2.54 2.58 12.14
SKEWNESS = 0.23 0.20 0.62 0.45 0.34
MINIMUM = 0.173 0.158 0.95E-1 8.750 98.507
MAXIMUM = 19.121 30.893 38.609 9.705 123.600
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = 0.30113
STD. ERR. OF COVARIANCE = 1.042
STD. DEV. OF COVARIANCE = 181.234
CORRELATION COEFFICIENT = 0.277
VECTOR MEAN = 9.077
VECTOR VARIANCE = 112.811
VECTOR STD. DEV. = 10.621
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22:00.56
* TO 78- IX -07 06:59.03
* DURATION 39.37 DAYS
*****
```

DATA/ 65112A112.5 SUBSURFACE M00RING/ 112 M./ DT-5114

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE TDF
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS MDEG/M
*****
MEAN = 0.677 0.273 15.189 9.129 3.783
STD. ERR. = 0.51E-1 0.70E-1 0.50E-1 0.10E-2 0.61E-1
VARIANCE = 81.263 149.865 77.620 0.31E-1 113.013
STD. DEV. = 9.015 12.242 8.810 0.178 10.631
KURTOSIS = 2.766 2.118 2.629 2.561 13.900
SKEWNESS = 0.281 0.286 0.709 0.508 0.625
MINIMUM = 0.225 0.237 0.222 8.702 108.813
MAXIMUM = 18.124 35.621 38.916 9.626 122.079
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = 0.32599
STD. ERR. OF COVARIANCE = 1.059
STD. DEV. OF COVARIANCE = 183.440
CORRELATION COEFFICIENT = 0.295
VECTOR MEAN = 8.786
VECTOR VARIANCE = 115.564
VECTOR STD. DEV. = 10.750
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22:00.56
* TO 78- IX -07 06:59.03
* DURATION 39.37 DAYS
*****
```

DATA/ 65110C112.5 SUBSURFACE M00RING/ 106 M./ V-373

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS
*****
MEAN = -7.933 3.902 15.108 9.158
STD. ERR. = 0.51E-1 0.68E-1 0.48E-1 0.10E-2
VARIANCE = 80.837 139.758 69.720 0.32E-1
STD. DEV. = 8.991 11.822 8.350 0.180
KURTOSIS = 2.633 2.015 2.457 2.480
SKEWNESS = -0.255 0.164 0.589 0.467
MINIMUM = -34.473 -23.891 0.213 8.743
MAXIMUM = 14.708 32.606 38.098 9.648
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = -31.841
STD. ERR. OF COVARIANCE = 0.989
STD. DEV. OF COVARIANCE = 172.008
CORRELATION COEFFICIENT = -0.300
VECTOR MEAN = 8.797
VECTOR VARIANCE = 110.297
VECTOR STD. DEV. = 10.502
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22:00.56
* TO 78- IX -07 06:59.03
* DURATION 39.37 DAYS
*****
```

DATA/ 65113B112.5 SUBSURFACE M00RING/ 115 M./ V-101

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS
*****
MEAN = -6.877 5.174 15.212 9.115
STD. ERR. = 0.48E-1 0.72E-1 0.49E-1 0.10E-2
VARIANCE = 70.589 160.874 74.108 0.30E-1
STD. DEV. = 8.402 12.684 8.609 0.175
KURTOSIS = 2.782 2.073 2.635 2.617
SKEWNESS = -0.36E-1 0.332 0.701 0.531
MINIMUM = -31.528 -21.761 0.94E-1 8.693
MAXIMUM = 19.865 36.025 38.687 9.590
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = -20.579
STD. ERR. OF COVARIANCE = 1.003
STD. DEV. OF COVARIANCE = 174.439
CORRELATION COEFFICIENT = -0.193
VECTOR MEAN = 8.606
VECTOR VARIANCE = 115.732
VECTOR STD. DEV. = 10.758
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22:00.56
* TO 78- IX -07 06:59.03
* DURATION 39.37 DAYS
*****
```


DATA/ 651.148112.5 SUBSURFACE HOORING/ 118 M./ V-105

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS
*****
MEAN = -6.996 5.235 15.088 9.095
STD. ERR. = .483E-1 .718E-1 .495E-1 .995E-3
VARIANCE = 70.649 155.998 73.962 .300E-1
STD. DEV. = 8.405 12.490 8.600 .173
KURTOSIS = 2.706 2.089 2.650 2.638
SKEWNESS = -.283E-1 -.357 .534
MINIMUM = -31.197 -20.085 -1.05 8.679
MAXIMUM = 19.305 35.652 38.754 9.564
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = -20.448
STD. ERR. OF COVARIANCE = .997
STD. DEV. OF COVARIANCE = 173.331
CORRELATION COEFFICIENT = -.195
VECTOR MEAN = 8.658
VECTOR VARIANCE = 113.323
VECTOR STD. DEV. = 10.645
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22-00.56
* TO 78- IX -07 06.59.03
* DURATION 39.37 DAYS
```

DATA/ 651.16A112.5 SUBSURFACE HOORING/ 124 M./ DT-5116

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS
*****
MEAN = 7.444 4.709 15.166 9.074
STD. ERR. = .508E-1 .709E-1 .505E-1 .889E-1
VARIANCE = 77.290 152.200 77.109 .297E-1
STD. DEV. = 8.791 12.537 8.781 .172
KURTOSIS = 2.658 2.141 2.712 2.611
SKEWNESS = .187 .333 .756 .366
MINIMUM = -32.973 -19.222 .892E-1 -92.585
MAXIMUM = 17.247 35.361 39.346 9.537
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = -29.762
STD. ERR. OF COVARIANCE = 1.097
STD. DEV. OF COVARIANCE = 183.736
CORRELATION COEFFICIENT = .0274
VECTOR MEAN = 8.810
VECTOR VARIANCE = 114.745
VECTOR STD. DEV. = 10.712
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22-00.56
* TO 78- IX -07 06.59.03
* DURATION 39.37 DAYS
```

DATA/ 651.158112.5 SUBSURFACE HOORING/ 121 M./ DT-5115

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS
*****
MEAN = -7.893 3.623 15.124 9.085
STD. ERR. = .536E-1 .687E-1 .500E-1 .595E-1
VARIANCE = 86.793 142.714 75.574 .298E-1
STD. DEV. = 9.316 11.946 8.693 .173
KURTOSIS = 2.738 2.108 2.624 2.622
SKEWNESS = .383 .225 .738 .505
MINIMUM = -35.408 -22.811 .100 8.554
MAXIMUM = 17.101 32.645 38.530 9.563
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = -37.479
STD. ERR. OF COVARIANCE = 1.044
STD. DEV. OF COVARIANCE = 181.527
CORRELATION COEFFICIENT = -.337
VECTOR MEAN = 8.649
VECTOR VARIANCE = 114.754
VECTOR STD. DEV. = 10.712
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22-00.56
* TO 78- IX -07 06.59.03
* DURATION 39.37 DAYS
```

DATA/ 651.17A112.5 SUBSURFACE HOORING/ 185 M./ DT-5117

```
*****
VARIABLE * EAST NORTH SPEED TEMPERATURE
UNITS * CM/SEC CM/SEC CM/SEC CELSIUS
*****
MEAN = 7.391 4.241 14.682 8.985
STD. ERR. = .473E-1 .672E-1 14.450E-1 .852E-1
VARIANCE = 67.534 136.671 61.258 .219E-1
STD. DEV. = 8.218 11.691 7.827 .148
KURTOSIS = 2.517 2.085 2.567 2.801
SKEWNESS = -.130 .192 .679 .110
MINIMUM = -29.706 -19.349 .164 8.358
MAXIMUM = 14.381 32.965 37.018 9.303
*****
```

```
*****
EAST & NORTH
*****
COVARIANCE = -21.956
STD. ERR. OF COVARIANCE = .917
STD. DEV. OF COVARIANCE = 159.382
CORRELATION COEFFICIENT = -.229
VECTOR MEAN = 8.521
VECTOR VARIANCE = 102.102
VECTOR STD. DEV. = 10.105
*****
* SAMPLE SIZE = 30240 POINTS
* SPANNING RANGE
* FROM 78- VII-29 22-00.56
* TO 78- IX -07 06.59.03
* DURATION 39.37 DAYS
```


DATA/ 651.18A112.5 SUBSURFACE MAPPING/ 200 M./ DT-5101

```
*****
VARIABLE *
UNITS *
MEAN *
STD. ERR. *
VARIANCE *
STD. DEV. *
KURTOSIS *
SKEWNESS *
MINIMUM *
MAXIMUM *
EAST CM/SEC
NORTH CM/SEC
SPEED CM/SEC
TEMPERATURE CELSIUS
TDIF MDEG/M
```

DATA/ 651.19A112.5 SUBSURFACE MAPPING/ 210 M./ V-431

```
*****
VARIABLE *
UNITS *
MEAN *
STD. ERR. *
VARIANCE *
STD. DEV. *
KURTOSIS *
SKEWNESS *
MINIMUM *
MAXIMUM *
EAST CM/SEC
NORTH CM/SEC
SPEED CM/SEC
TEMPERATURE CELSIUS
```

```
*****
EAST & NORTH
COVARIANCE
STD. ERR. OF COVARIANCE
STD. DEV. OF COVARIANCE
CORRELATION COEFFICIENT
VECTOR MEAN
VECTOR VARIANCE
VECTOR STD. DEV.
SAMPLE SIZE = 30240 POINTS
SPANNING RANGE
FROM 78- VII-29 22.00.56
TO 78- IX -07 06.59.03
DURATION 39.37 DAYS
```

```
*****
EAST & NORTH
COVARIANCE
STD. ERR. OF COVARIANCE
STD. DEV. OF COVARIANCE
CORRELATION COEFFICIENT
VECTOR MEAN
VECTOR VARIANCE
VECTOR STD. DEV.
SAMPLE SIZE = 30240 POINTS
SPANNING RANGE
FROM 78- VII-29 22.00.56
TO 78- IX -07 06.59.03
DURATION 39.37 DAYS
```

```

DATA/ 651,20A112.5 SUBSURFACE MBBRING/ 295 M./ DT=5102
*****
VARIABLE * EAST * NORTH * SPEED * TEMPERATURE * TOTL *
UNITS * CM/SEC * CM/SEC * CM/SEC * CELSIUS * MDEG/M *
*****
MEAN * -7.572 * 3.263 * 13.746 * 8.757 * -3.601 *
STD. ERR. * .438E-1 * .815E-1 * .412E-1 * .893E-3 * .301E-1 *
VARIANCE * 57.979 * 114.399 * 51.820 * .241E-1 * 27.238 *
STD. DEV. * 7.614 * 10.696 * 7.171 * .155 * 5.230 *
KURTOSIS * 2.674 * 2.136 * 2.471 * 2.498 * 19.691 *
SKEWNESS * .276 * .135 * .640 * .176 * 1.011 *
MINIMUM * -29.639 * -23.814 * .366 * 8.259 * -59.224 *
MAXIMUM * 11.774 * 29.650 * 33.372 * 9.119 * 58.125 *
*****
EAST & NORTH
*****
COVARIANCE * -22.510 *
STD. ERR. OF COVARIANCE * .767 *
STD. DEV. OF COVARIANCE * 133.904 *
CORRELATION COEFFICIENT * .276 *
VECTOR MEAN * 8.245 *
VECTOR VARIANCE * 86.185 *
VECTOR STD. DEV. * 9.284 *
*****
SAMPLE SIZE * 30240 POINTS
*****
SPANNING RANGE
*****
FROM 78. VII-29 22.00.56
TO 78. IX -07 06.59.03
DURATION 39.37-DAYS
*****
DATA/ 651,22A112.5 SUBSURFACE MBBRING/ 310 M./ DT=5104
*****
VARIABLE * EAST * NORTH * SPEED * PRESSURE * TEMPERATURE *
UNITS * CM/SEC * CM/SEC * CM/SEC * DECIBARS * CELSIUS *
*****
MEAN * -7.495 * 3.725 * 13.552 * 317.740 * 8.715 *
STD. ERR. * .418E-1 * .898E-1 * .475E-1 * .135E-1 * .872E-3 *
VARIANCE * 52.840 * 108.000 * 47.836 * 5.403 * .240E-1 *
STD. DEV. * 7.269 * 10.392 * 6.873 * 2.324 * .152 *
KURTOSIS * 2.532 * 2.057 * 2.367 * 7.031 * 2.712 *
SKEWNESS * .180 * .121 * .577 * 2.096 * .339 *
MINIMUM * -27.406 * -19.821 * .432 * 315.124 * 8.237 *
MAXIMUM * 11.190 * 28.566 * 31.729 * 329.110 * 9.089 *
*****
EAST & NORTH
*****
COVARIANCE * -16.733 *
STD. ERR. OF COVARIANCE * .789 *
STD. DEV. OF COVARIANCE * 126.694 *
CORRELATION COEFFICIENT * .221 *
VECTOR MEAN * 8.369 *
VECTOR VARIANCE * 80.420 *
VECTOR STD. DEV. * 8.966 *
*****
SAMPLE SIZE * 30240 POINTS
*****
SPANNING RANGE
*****
FROM 78. VII-29 22.00.56
TO 78. IX -07 06.59.03
DURATION 39.37-DAYS
*****
DATA/ 651,21A112.5 SUBSURFACE MBBRING/ 300 M./ DT=5110
*****
VARIABLE * EAST * NORTH * SPEED * TEMPERATURE * TOTL *
UNITS * CM/SEC * CM/SEC * CM/SEC * CELSIUS * MDEG/M *
*****
MEAN * -7.371 * 3.753 * 13.693 * 8.745 * -3.601 *
STD. ERR. * .417E-1 * .615E-1 * .473E-1 * .889E-3 * .301E-1 *
VARIANCE * 52.663 * 114.372 * 47.385 * .232E-1 * 27.238 *
STD. DEV. * 7.267 * 10.694 * 6.924 * .135 * 5.230 *
KURTOSIS * 2.577 * 2.055 * 2.387 * 2.557 * 19.691 *
SKEWNESS * .130 * .108 * .557 * .234 * 1.011 *
MINIMUM * -28.124 * -21.716 * .402 * 8.250 * -59.224 *
MAXIMUM * 10.996 * 29.456 * 31.704 * 9.109 * 58.125 *
*****
EAST & NORTH
*****
COVARIANCE * -16.867 *
STD. ERR. OF COVARIANCE * .741 *
STD. DEV. OF COVARIANCE * 128.813 *
CORRELATION COEFFICIENT * .217 *
VECTOR MEAN * 8.272 *
VECTOR VARIANCE * 83.517 *
VECTOR STD. DEV. * 9.139 *
*****
SAMPLE SIZE * 30240 POINTS
*****
SPANNING RANGE
*****
FROM 78. VII-29 22.00.56
TO 78. IX -07 06.59.03
DURATION 39.37-DAYS
*****
DATA/ 651,23C112.5 SUBSURFACE MBBRING/ 1000 M./ DT=5105
*****
VARIABLE * EAST * NORTH * SPEED * TEMPERATURE *
UNITS * CM/SEC * CM/SEC * CM/SEC * CELSIUS *
*****
MEAN * -4.283 * .103 * 9.237 * 7.011 *
STD. ERR. * .280E-1 * .452E-1 * .248E-1 * .163E-2 *
VARIANCE * 23.842 * 61.900 * 18.579 * .806E-1 *
STD. DEV. * 4.882 * 7.868 * 4.310 * .281 *
KURTOSIS * 2.608 * 2.433 * 2.335 * 2.015 *
SKEWNESS * .898E-2 * .117 * .321 * .568 *
MINIMUM * -17.700 * -20.194 * 1.658 * 6.290 *
MAXIMUM * 9.674 * 21.490 * 22.845 * 7.544 *
*****
EAST & NORTH
*****
COVARIANCE *
STD. ERR. OF COVARIANCE *
STD. DEV. OF COVARIANCE *
CORRELATION COEFFICIENT *
VECTOR MEAN *
VECTOR VARIANCE *
VECTOR STD. DEV. *
*****
SAMPLE SIZE * 30240 POINTS
*****
SPANNING RANGE
*****
FROM 78. VII-29 22.00.56
TO 78. IX -07 06.59.03
DURATION 39.37-DAYS
*****

```


***** SURFACE MOORING 5m. /VMCM *** 65218 ***			
PERIOD :	SPEED		STATISTIC
5 DAYS :	CM/SEC		

(1) :	25.410	MEAN	
(2) :	28.586		
(3) :	22.311		
(4) :	14.988		
(5) :	20.179		
(6) :	17.808		
(7) :	11.947		
(8) :	21.066		

(1) :	104.989	VARIANCE	
(2) :	40.528		
(3) :	68.445		
(4) :	144.111		
(5) :	101.139		
(6) :	84.842		
(7) :	26.054		
(8) :	110.955		

(1) :	10.246	STANDARD DEVIATION	
(2) :	6.366		
(3) :	8.273		
(4) :	12.005		
(5) :	10.057		
(6) :	9.211		
(7) :	5.104		
(8) :	10.534		

(1) :	-.295	SKEWNESS	
(2) :	-.0942		
(3) :	.0198		
(4) :	1.084		
(5) :	.442		
(6) :	.500		
(7) :	.287		
(8) :	.0900		

(1) :	2.449	KURTOSIS	
(2) :	2.890		
(3) :	2.742		
(4) :	3.271		
(5) :	2.614		
(6) :	3.179		
(7) :	2.870		
(8) :	2.029		

(1) :	.693	MINIMUM	
(2) :	11.782		
(3) :	.190		
(4) :	.135		
(5) :	.213		
(6) :	.190		
(7) :	.0952		
(8) :	.476		

(1) :	50.468	MAXIMUM	
(2) :	52.623		
(3) :	45.446		
(4) :	53.727		
(5) :	54.707		
(6) :	52.354		
(7) :	29.615		
(8) :	50.026		

```

*****
* SURFACE MOORING 10m. /VMCM*** 6522 ***
* PERIOD EAST NORTH SPEED STATISTIC
*
* 5 DAYS CM/SEC CM/SEC CM/SEC
*
* (1) -15.196 10.157 23.337
* (2) -16.975 12.913 23.604
* (3) .411 12.631 15.372
* (4) 2.024 2.483 12.723
* (5) .163 -9.429 21.949
* (6) -5.706 -9.312 19.953
* (7) -3.289 -9.305 14.573
* (8) -1.253 -9.456 22.436
*
* (1) 147.324 168.317 105.132
* (2) 76.196 72.506 46.452
* (3) 60.001 68.413 51.816
* (4) 131.132 105.805 85.329
* (5) 240.620 268.961 116.748
* (6) 182.324 184.059 87.536
* (7) 80.817 67.005 32.865
* (8) 245.200 279.293 112.100
*
* (1) 12.138 12.974 10.253
* (2) 8.729 8.515 6.816
* (3) 7.746 8.271 7.198
* (4) 11.451 10.286 9.237
* (5) 15.512 16.400 10.805
* (6) 13.503 13.567 9.356
* (7) 8.990 8.186 5.733
* (8) 15.659 16.712 10.588
*
* (1) .104 -.209 -.153
* (2) -.109 -.015 -.204
* (3) .172 -.091 .0982
* (4) .723 .386 1.118
* (5) .017 .009 .365
* (6) -.258 .205 .405
* (7) .102 .390 .0369
* (8) -.109 -.024 .391
*
* (1) 2.335 2.488 2.322
* (2) 2.395 2.366 2.551
* (3) 3.113 2.559 2.260
* (4) 3.552 3.947 3.640
* (5) 2.236 2.870 2.496
* (6) 2.559 2.341 2.950
* (7) 2.465 2.746 2.665
* (8) 2.441 2.333 2.506
*
* (1) -43.012 -23.288 .393
* (2) -41.666 -9.568 3.251
* (3) -18.878 -10.817 .0952
* (4) -21.645 -30.144 .000
* (5) -40.636 -47.894 .135
* (6) -44.081 -45.891 .213
* (7) -24.654 -29.765 .190
* (8) -45.409 -47.173 .513
*
* (1) 19.059 40.409 48.535
* (2) 2.287 34.947 43.100
* (3) 26.114 35.669 35.697
* (4) 39.904 38.149 45.172
* (5) 36.205 40.407 50.609
* (6) 21.558 22.762 52.035
* (7) 19.575 14.374 30.277
* (8) 33.300 29.149 50.150
*****

```

***** SURFACE MOORING 15m. /VMCM *** 6523 *** *****				
*PERIOD	EAST	NORTH	SPEED	STATISTIC
*5 DAYS	CM/SEC	CM/SEC	CM/SEC	

* (1)	-14.445	10.037	22.080	MEAN
* (2)	-15.266	13.740	22.885	
* (3)	-1.830	11.355	14.399	
* (4)	.792	3.122	11.708	
* (5)	-2.511	-6.862	21.041	
* (6)	-6.387	-6.431	18.973	
* (7)	-3.552	-6.958	13.116	
* (8)	-1.891	-10.657	22.407	

* (1)	125.609	137.856	85.308	VARIANCE
* (2)	81.940	62.928	42.979	
* (3)	57.371	66.911	49.219	
* (4)	102.922	91.629	67.843	
* (5)	235.749	248.668	95.102	
* (6)	183.060	176.084	81.322	
* (7)	83.652	62.866	35.525	
* (8)	226.354	263.741	105.195	

* (1)	11.208	11.741	9.236	STANDARD DEVIATION
* (2)	9.052	7.933	6.556	
* (3)	7.574	8.180	7.016	
* (4)	10.145	9.572	8.237	
* (5)	15.354	15.769	9.752	
* (6)	13.530	13.270	9.018	
* (7)	9.146	7.929	5.960	
* (8)	15.045	16.240	10.256	

* (1)	.340	-.117	-.00615	SKEWNESS
* (2)	-.082	-.019	-.140	
* (3)	.259	-.020	.158	
* (4)	.637	.193	1.025	
* (5)	.052	-.029	.394	
* (6)	-.171	.218	.350	
* (7)	.042	.194	.252	
* (8)	-.161	.015	.436	

* (1)	2.660	2.884	2.359	KURTOSIS
* (2)	2.361	2.699	2.575	
* (3)	3.315	2.493	2.179	
* (4)	3.588	4.208	3.458	
* (5)	2.154	2.775	2.708	
* (6)	2.467	2.235	2.858	
* (7)	2.344	2.788	2.697	
* (8)	2.442	2.289	2.579	

* (1)	-40.102	-23.485	.135	MINIMUM
* (2)	-40.604	-11.731	3.301	
* (3)	-22.851	-9.727	.286	
* (4)	-24.426	-29.977	.135	
* (5)	-41.547	-44.359	.393	
* (6)	-43.288	-38.156	.0952	
* (7)	-27.455	-29.388	.135	
* (8)	-41.202	-50.353	.814	

* (1)	19.298	42.314	47.609	MAXIMUM
* (2)	5.014	33.665	40.736	
* (3)	25.490	33.361	34.953	
* (4)	35.205	39.698	43.316	
* (5)	33.400	38.639	47.954	
* (6)	22.290	24.051	48.586	
* (7)	18.032	14.888	30.681	
* (8)	31.742	26.650	51.206	

***** SPAR MOORING 15m. /ACM *** 6531D *** *****					
*PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	

* (1) :	*16.971	16.099	27.711	12.714	MEAN
* (2) :	*19.166	18.254	29.156	12.992	
* (3) :	*1.284	19.314	21.823	12.919	
* (4) :	*.873	7.659	15.733	12.948	
* (5) :	*.980	*4.607	24.006	12.336	
* (6) :	*7.188	*6.056	19.248	12.179	
* (7) :	*6.067	*7.222	15.784	12.450	
* (8) :	*3.508	*6.032	25.081	12.439	

* (1) :	174.332	164.339	117.959	*115	VARIANCE
* (2) :	108.421	77.555	36.435	*0151	
* (3) :	93.251	89.164	80.831	*00930	
* (4) :	170.833	106.887	89.605	*00649	
* (5) :	311.279	337.923	95.088	*0470	
* (6) :	191.597	168.101	77.546	*0241	
* (7) :	115.714	85.057	40.600	*00569	
* (8) :	340.242	367.040	126.937	*00498	

* (1) :	13.203	12.819	10.861	*339	STANDARD DEVIATION
* (2) :	10.413	8.807	6.036	*123	
* (3) :	9.657	9.443	8.991	*0965	
* (4) :	13.070	10.339	9.466	*0806	
* (5) :	17.643	18.383	9.751	*217	
* (6) :	13.842	12.965	8.806	*155	
* (7) :	10.757	9.223	6.372	*0754	
* (8) :	18.446	19.158	11.267	*0705	

* (1) :	*.144	*.409	*.0730	*.295	SKEWNESS
* (2) :	*.347	*.464	*.188	*.0143	
* (3) :	*.513	*.108	*.106	*3.594	
* (4) :	*.255	*.569	*.906	*1.475	
* (5) :	*.015	*.080	*.223	*.453	
* (6) :	*.045	*.327	*.0627	*.484	
* (7) :	*.220	*.148	*.0636	*.785	
* (8) :	*.193	*.055	*.236	*.643	

* (1) :	2.721	2.710	2.710	2.283	KURTOSIS
* (2) :	2.564	3.336	2.142	4.260	
* (3) :	3.051	2.446	2.472	23.403	
* (4) :	2.930	3.508	3.306	5.541	
* (5) :	1.928	2.595	2.413	1.937	
* (6) :	2.490	2.474	2.261	2.993	
* (7) :	2.346	2.151	2.246	5.174	
* (8) :	2.174	2.336	2.781	3.087	

* (1) :	*67.992	*24.077	1.758	11.710	MINIMUM
* (2) :	*39.756	*10.123	11.421	12.320	
* (3) :	*19.319	*3.181	.732	12.040	
* (4) :	*29.562	*17.085	.000	12.650	
* (5) :	*40.750	*50.271	2.185	11.840	
* (6) :	*42.890	*36.900	.732	11.910	
* (7) :	*31.266	*28.035	.293	12.100	
* (8) :	*53.226	*51.979	.879	12.220	

* (1) :	19.146	41.798	70.381	13.470	MAXIMUM
* (2) :	12.955	38.126	42.189	13.310	
* (3) :	30.880	42.486	46.597	13.070	
* (4) :	35.425	43.356	47.626	13.140	
* (5) :	33.316	43.223	51.234	12.670	
* (6) :	23.605	25.584	42.890	12.640	
* (7) :	19.664	13.254	31.341	12.630	
* (8) :	30.417	38.850	57.246	12.680	

***** continued				
PERIOD	PRESSURE #1	PRESSURE #2	PRESSURE #3	STATISTIC
5 DAYS	DECIBARS	DECIBARS	DECIBARS	
(1)				MEAN
(2)	13.021	13.022	13.022	
(3)	13.241	13.244	13.242	
(4)	13.239	13.241	13.242	
(5)	13.190	13.187	13.196	
(6)	13.493	13.494	13.498	
(7)	13.502	13.505	13.502	
(8)				
(1)				VARIANCE
(2)	.022	.023	.0234	
(3)	.026	.026	.0251	
(4)	.044	.044	.0462	
(5)	.053	.052	.0540	
(6)	.018	.018	.0181	
(7)	.010	.010	.00991	
(8)				
(1)				STANDARD DEVIATION
(2)	.150	.153	.153	
(3)	.164	.162	.158	
(4)	.211	.212	.215	
(5)	.231	.229	.232	
(6)	.134	.137	.134	
(7)	.101	.101	.0996	
(8)				
(1)				SKEWNESS
(2)	-.111	-.105	-.140	
(3)	-.487	-.500	-.396	
(4)	-1.263	-1.276	-1.187	
(5)	-.329	-.411	-.397	
(6)	-.504	-.623	-.610	
(7)	-.135	-.131	-.0431	
(8)				
(1)				KURTOSIS
(2)	2.878	2.775	2.952	
(3)	3.506	3.547	3.171	
(4)	5.210	5.438	5.214	
(5)	3.076	3.069	3.067	
(6)	3.034	3.340	3.381	
(7)	2.892	2.815	2.876	
(8)				
(1)				MINIMUM
(2)	12.568	12.441	12.441	
(3)	12.568	12.695	12.568	
(4)	12.314	12.314	12.314	
(5)	12.314	12.314	12.314	
(6)	12.949	12.949	12.949	
(7)	13.076	13.203	13.203	
(8)				
(1)				MAXIMUM
(2)	13.457	13.457	13.457	
(3)	13.711	13.711	13.711	
(4)	13.711	13.838	14.092	
(5)	13.838	13.965	13.838	
(6)	13.838	13.838	13.838	
(7)	13.711	13.838	13.838	
(8)				

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*****
* SPAR MOORING 17m. /VACM *** 6532B ***
* PERIOD : EAST NORTH SPEED TEMPERATURE : STATISTIC
* 5 DAYS : CM/SEC CM/SEC CM/SEC CELSIUS :
*
* (1) : -17.577 14.216 26.087 12.535
* (2) : -19.205 17.213 28.066 12.964
* (3) : -1.092 17.628 20.440 12.919
* (4) : -.311 7.087 14.861 12.995
* (5) : -2.038 -5.147 23.682 12.391
* (6) : -7.343 -5.494 18.389 12.214
* (7) : -5.532 -6.489 15.098 12.473
* (8) : -2.835 -6.664 24.269 12.477
*
* (1) : 146.579 127.796 104.890 .117
* (2) : 85.250 65.533 28.161 .0268
* (3) : 95.223 95.084 84.450 .0350
* (4) : 157.017 103.782 90.288 .00568
* (5) : 296.341 330.519 96.682 .0497
* (6) : 171.811 158.531 76.282 .0179
* (7) : 115.293 85.774 45.821 .00882
* (8) : 301.192 346.163 110.810 .00388
*
* (1) : 12.107 11.305 10.242 .342
* (2) : 9.233 8.095 5.307 .164
* (3) : 9.758 9.751 9.190 .187
* (4) : 12.531 10.187 9.502 .0754
* (5) : 17.215 18.180 9.833 .223
* (6) : 13.108 12.591 8.734 .134
* (7) : 10.737 9.261 6.769 .0939
* (8) : 17.355 18.605 10.527 .0623
*
* (1) : -.150 -.645 .204 .285
* (2) : .499 -.494 -.224 -1.417
* (3) : .521 -.037 -.0806 -3.078
* (4) : .362 .610 .863 -1.676
* (5) : .111 .150 -.0135 -.495
* (6) : .101 .238 -.0679 .684
* (7) : .172 .017 .0496 -1.173
* (8) : -.131 .010 -.00428 -.115
*
* (1) : 3.685 3.858 4.265 3.572
* (2) : 2.676 3.774 2.150 6.923
* (3) : 3.155 2.283 2.155 13.740
* (4) : 3.120 3.639 3.063 5.959
* (5) : 1.945 2.475 2.269 1.969
* (6) : 2.505 2.314 2.159 4.013
* (7) : 2.318 2.187 2.175 4.673
* (8) : 2.108 2.182 2.622 5.307
*
* (1) : -72.664 -42.665 .454 11.422
* (2) : -36.413 -13.975 9.979 12.041
* (3) : -23.566 -7.010 .664 11.647
* (4) : -32.782 -20.514 .0878 12.718
* (5) : -39.657 -47.042 .573 11.910
* (6) : -41.567 -37.099 .0898 11.977
* (7) : -31.796 -27.722 .261 12.144
* (8) : -48.301 -48.234 .441 12.154
*
* (1) : 17.242 39.439 76.184 13.441
* (2) : 9.690 35.727 38.942 13.352
* (3) : 29.432 39.349 41.459 13.114
* (4) : 36.158 42.266 45.472 13.122
* (5) : 34.743 41.186 48.054 12.722
* (6) : 23.551 23.365 41.594 12.684
* (7) : 20.144 15.817 31.875 12.676
* (8) : 31.520 37.238 52.286 12.666
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***** SURFACE MOORING 20m. /VMCM *** 6524 *** *****				
* PERIOD *	EAST	NORTH	SPEED	STATISTIC
* 5 DAYS *	CM/SEC	CM/SEC	CM/SEC	

* (1) *	-16.364	10.687	23.524	MEAN
* (2) *	-15.662	16.346	25.566	
* (3) *	-3.786	12.406	16.457	
* (4) *	-.196	4.430	12.791	
* (5) *	-5.611	-5.358	23.797	
* (6) *	-7.064	-7.022	21.973	
* (7) *	-3.524	-5.566	14.012	
* (8) *	-2.416	-13.685	25.806	

* (1) *	127.844	135.345	91.820	VARIANCE
* (2) *	109.926	84.650	53.415	
* (3) *	79.768	83.173	60.365	
* (4) *	108.674	102.267	66.987	
* (5) *	313.705	303.943	111.541	
* (6) *	240.494	249.803	106.683	
* (7) *	120.430	90.140	57.636	
* (8) *	287.346	327.227	141.763	

* (1) *	11.307	11.634	9.582	STANDARD DEVIATION
* (2) *	10.485	9.201	7.309	
* (3) *	8.931	9.120	7.769	
* (4) *	10.425	10.113	8.185	
* (5) *	17.712	17.434	10.561	
* (6) *	15.508	15.805	10.329	
* (7) *	10.974	9.494	7.592	
* (8) *	16.951	18.089	11.906	

* (1) *	.487	-.006	.102	SKEWNESS
* (2) *	-.014	.006	-.134	
* (3) *	.144	-.046	.200	
* (4) *	.267	-.174	.895	
* (5) *	.059	.046	.405	
* (6) *	-.145	.126	.301	
* (7) *	-.075	-.245	.537	
* (8) *	-.199	.019	.475	

* (1) *	3.248	3.416	2.660	KURTOSIS
* (2) *	2.483	2.887	2.822	
* (3) *	2.555	2.734	2.535	
* (4) *	3.391	4.583	3.240	
* (5) *	2.128	2.658	2.955	
* (6) *	2.534	2.239	2.733	
* (7) *	2.454	3.227	2.816	
* (8) *	2.451	2.374	2.714	

* (1) *	-42.466	-31.177	.000	MINIMUM
* (2) *	-47.630	-14.355	.486	
* (3) *	-28.819	-16.885	.0952	
* (4) *	-31.664	-33.925	.000	
* (5) *	-51.273	-48.082	.190	
* (6) *	-50.620	-49.122	.513	
* (7) *	-35.225	-36.895	.135	
* (8) *	-50.941	-59.274	.744	

* (1) *	21.586	50.695	51.547	MAXIMUM
* (2) *	7.972	40.545	48.301	
* (3) *	23.957	38.640	43.484	
* (4) *	37.036	41.791	42.040	
* (5) *	33.637	47.680	55.428	
* (6) *	26.189	29.826	53.727	
* (7) *	25.154	20.261	38.924	
* (8) *	35.166	32.393	61.919	

***** SURFACE MOORING 30m. /VMCM *** 6525 ***				
PERIOD	EAST	NORTH	SPEED	STATISTIC
5 DAYS	CM/SEC	CM/SEC	CM/SEC	
(1)	-12.336	10.466	18.022	MEAN
(2)	-14.015	14.716	22.054	
(3)	-4.821	11.154	13.383	
(4)	-2.266	3.490	9.117	
(5)	-5.823	-3.820	18.786	
(6)	-6.439	-4.843	18.679	
(7)	-3.315	-4.279	10.974	
(8)	-4.139	-11.356	19.425	
(1)	45.919	48.888	31.717	VARIANCE
(2)	56.880	41.799	25.292	
(3)	27.111	34.361	30.018	
(4)	37.452	55.733	27.378	
(5)	184.972	198.819	79.376	
(6)	188.494	175.434	79.945	
(7)	75.906	51.059	35.846	
(8)	146.665	181.489	96.895	
(1)	6.776	6.992	5.632	STANDARD DEVIATION
(2)	7.542	6.465	5.029	
(3)	5.207	5.862	5.479	
(4)	6.120	7.465	5.232	
(5)	13.600	14.100	8.909	
(6)	13.729	13.245	8.941	
(7)	8.712	7.146	5.987	
(8)	12.111	13.472	9.844	
(1)	.419	-.287	-.181	SKEWNESS
(2)	.535	.096	-.447	
(3)	.389	.058	.129	
(4)	-.191	-.501	.587	
(5)	-.022	-.259	.514	
(6)	-.140	.180	.396	
(7)	-.110	-.091	.642	
(8)	.007	-.092	.384	
(1)	2.618	2.811	2.773	KURTOSIS
(2)	3.243	2.325	2.960	
(3)	3.220	3.089	2.873	
(4)	2.516	3.902	2.974	
(5)	2.122	2.582	3.006	
(6)	2.386	2.268	2.851	
(7)	2.777	2.964	3.035	
(8)	2.362	2.276	2.076	
(1)	-29.449	-18.340	.687	MINIMUM
(2)	-31.077	-4.163	4.990	
(3)	-20.066	-5.774	.000	
(4)	-20.170	-28.319	.190	
(5)	-41.650	-39.136	.000	
(6)	-41.014	-38.154	.381	
(7)	-31.310	-26.014	.190	
(8)	-34.421	-41.938	.687	
(1)	11.332	27.564	33.405	MAXIMUM
(2)	14.242	31.944	38.153	
(3)	13.038	32.070	32.221	
(4)	13.175	26.269	30.028	
(5)	22.508	32.634	45.551	
(6)	21.505	25.510	44.645	
(7)	20.124	18.059	34.493	
(8)	24.833	25.469	43.372	

***** SURFACE MOORING 40m. /VMCM *** 6526 ***				
*PERIOD	EAST	NORTH	SPEED	STATISTIC
*5 DAYS	CM/SEC	CM/SEC	CM/SEC	

* (1)	-13.602	11.959	19.198	MEAN
* (2)	-15.121	15.782	23.016	
* (3)	-5.236	11.742	13.936	
* (4)	-2.923	3.547	7.815	
* (5)	-7.781	-1.988	14.405	
* (6)	-6.696	-2.388	15.932	
* (7)	-5.111	-3.402	9.771	
* (8)	-4.340	-9.505	16.226	

* (1)	35.815	33.040	28.331	VARIANCE
* (2)	44.191	27.947	20.111	
* (3)	26.201	22.860	20.129	
* (4)	26.360	28.207	14.620	
* (5)	113.906	100.540	71.447	
* (6)	137.985	137.175	71.880	
* (7)	56.322	38.004	36.555	
* (8)	106.264	111.932	64.094	

* (1)	5.985	5.748	5.323	STANDARD DEVIATION
* (2)	6.648	5.287	4.485	
* (3)	5.119	4.781	4.487	
* (4)	5.134	5.311	3.824	
* (5)	10.673	10.027	8.453	
* (6)	11.747	11.712	8.478	
* (7)	7.505	6.165	6.046	
* (8)	10.308	10.580	8.006	

* (1)	.216	.015	-.163	SKEWNESS
* (2)	.613	.110	-.572	
* (3)	.216	.101	-.115	
* (4)	-.035	-.217	.227	
* (5)	-.237	-.509	.984	
* (6)	-.379	.274	.533	
* (7)	-.277	-.421	.804	
* (8)	-.193	.114	.455	

* (1)	2.405	2.218	2.331	KURTOSIS
* (2)	3.433	2.763	3.484	
* (3)	2.956	2.483	2.716	
* (4)	2.826	2.253	2.267	
* (5)	2.836	2.895	3.551	
* (6)	2.619	2.244	2.645	
* (7)	3.227	3.267	3.167	
* (8)	2.443	2.481	2.424	

* (1)	-27.968	-13.841	2.288	MINIMUM
* (2)	-28.873	-.394	2.080	
* (3)	-20.473	-1.851	.213	
* (4)	-18.800	-10.240	.000	
* (5)	-38.668	-33.265	.000	
* (6)	-38.138	-27.574	.301	
* (7)	-31.631	-24.770	.0952	
* (8)	-33.913	-37.231	.135	

* (1)	2.804	25.294	32.421	MAXIMUM
* (2)	7.978	32.117	34.930	
* (3)	10.661	24.522	25.926	
* (4)	11.366	17.039	19.950	
* (5)	19.266	20.188	45.337	
* (6)	25.051	26.105	42.135	
* (7)	16.137	13.750	31.956	
* (8)	23.271	19.435	39.269	

***** SURFACE MOORING 50m. /VMCM *** 6527 ***				
*PERIOD :	EAST	NORTH	SPEED	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	

* (1) :	-14.105	12.054	19.375	MEAN
* (2) :	-16.615	15.752	23.823	
* (3) :	-5.262	12.971	15.049	
* (4) :	-2.653	3.573	6.882	
* (5) :	-6.182	-2.305	10.744	
* (6) :	-6.351	-3.190	13.995	
* (7) :	-5.793	-4.424	10.037	
* (8) :	-3.678	-8.751	13.611	

* (1) :	28.208	25.691	22.756	VARIANCE
* (2) :	31.897	23.121	11.646	
* (3) :	29.577	22.853	21.887	
* (4) :	17.098	24.806	14.349	
* (5) :	66.869	46.629	41.594	
* (6) :	100.815	94.759	50.219	
* (7) :	49.017	35.841	37.257	
* (8) :	63.090	79.110	47.043	

* (1) :	5.311	5.069	4.770	STANDARD DEVIATION
* (2) :	5.648	4.808	3.413	
* (3) :	5.438	4.781	4.678	
* (4) :	4.135	4.981	3.788	
* (5) :	8.177	6.829	6.449	
* (6) :	10.041	9.734	7.087	
* (7) :	7.001	5.987	6.104	
* (8) :	7.943	8.894	6.859	

* (1) :	.043	.157	-.0229	SKEWNESS
* (2) :	.825	.241	-.562	
* (3) :	.175	.079	-.151	
* (4) :	-.436	-.089	.525	
* (5) :	-.431	-.078	1.040	
* (6) :	-.235	.375	.370	
* (7) :	-.678	-.303	.769	
* (8) :	-.166	.128	.535	

* (1) :	2.502	2.149	2.464	KURTOSIS
* (2) :	3.789	2.693	3.892	
* (3) :	2.902	2.801	2.733	
* (4) :	2.929	2.547	2.707	
* (5) :	3.241	2.745	3.970	
* (6) :	2.635	2.259	2.970	
* (7) :	4.134	3.121	3.255	
* (8) :	2.498	2.729	2.834	

* (1) :	-29.203	-1.500	7.891	MINIMUM
* (2) :	-29.085	3.169	8.100	
* (3) :	-21.678	-.700	2.522	
* (4) :	-17.353	-10.627	.000	
* (5) :	-38.534	-21.412	.0952	
* (6) :	-36.083	-23.739	.0952	
* (7) :	-35.723	-25.835	.000	
* (8) :	-25.994	-33.223	.213	

* (1) :	1.605	24.392	32.176	MAXIMUM
* (2) :	4.079	29.620	33.814	
* (3) :	12.021	29.855	30.189	
* (4) :	8.370	18.214	19.125	
* (5) :	13.878	19.892	39.963	
* (6) :	16.948	23.953	39.470	
* (7) :	15.503	10.827	37.328	
* (8) :	14.798	17.268	35.267	

***** SURFACE MOORING 70m. /VMCM *** 6529 ***				
*PERIOD :	EAST	NORTH	SPEED	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	

* (1) :	-14.446	11.297	19.078	MEAN
* (2) :	-18.076	16.288	25.527	
* (3) :	-3.794	13.731	15.465	
* (4) :	-2.465	3.268	5.991	
* (5) :	-3.225	-3.740	8.214	
* (6) :	-6.993	-5.098	11.139	
* (7) :	-6.695	-4.623	9.899	
* (8) :	-2.348	-7.548	10.269	

* (1) :	32.422	22.383	27.161	VARIANCE
* (2) :	42.100	29.121	11.590	
* (3) :	35.431	26.940	26.148	
* (4) :	12.917	17.251	11.030	
* (5) :	32.651	36.678	26.249	
* (6) :	37.798	37.033	25.661	
* (7) :	33.036	27.322	28.550	
* (8) :	30.631	39.062	26.718	

* (1) :	5.694	4.731	5.212	STANDARD DEVIATION
* (2) :	6.488	5.396	3.404	
* (3) :	5.952	5.190	5.114	
* (4) :	3.594	4.153	3.321	
* (5) :	5.714	6.056	5.123	
* (6) :	6.148	6.085	5.066	
* (7) :	5.748	5.227	5.343	
* (8) :	5.534	6.250	5.169	

* (1) :	-0.074	.156	.222	SKEWNESS
* (2) :	.266	.028	-.117	
* (3) :	-0.020	.261	.0647	
* (4) :	-.268	-.111	.646	
* (5) :	-.143	-.350	1.047	
* (6) :	.236	.610	.184	
* (7) :	-.339	.344	.301	
* (8) :	.261	.112	.304	

* (1) :	2.858	2.251	3.474	KURTOSIS
* (2) :	2.714	2.359	2.841	
* (3) :	2.431	2.678	2.865	
* (4) :	2.643	2.605	3.046	
* (5) :	2.698	2.786	3.628	
* (6) :	2.970	3.165	2.701	
* (7) :	3.343	3.085	2.458	
* (8) :	2.489	2.436	2.596	

* (1) :	-33.141	.197	3.346	MINIMUM
* (2) :	-34.274	1.796	15.055	
* (3) :	-19.154	1.721	1.963	
* (4) :	-12.583	-8.383	.000	
* (5) :	-20.486	-20.318	.0952	
* (6) :	-30.785	-20.030	.135	
* (7) :	-24.704	-23.461	.000	
* (8) :	-14.268	-25.152	.213	

* (1) :	.582	24.351	35.205	MAXIMUM
* (2) :	.169	29.993	36.169	
* (3) :	12.568	28.439	30.605	
* (4) :	7.752	15.405	17.875	
* (5) :	12.233	10.934	25.694	
* (6) :	9.189	18.746	31.358	
* (7) :	10.421	12.071	24.714	
* (8) :	13.228	8.785	25.729	

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*****
* SUBSURFACE MOORING 79m. /DT *** 6511A ***
* PERIOD : EAST NORTH SPEED TEMPERATURE TDIF. : STATISTIC
* 5 DAYS : CM/SEC CM/SEC CM/SEC CELSIUS MDEG/M :
*
* (1) : -15.339 13.704 21.336 9.453 17.480 :
* (2) : -16.919 21.438 28.645 9.590 22.356 :
* (3) : -2.309 15.078 16.583 9.612 18.010 :
* (4) : -1.960 4.518 8.238 9.649 14.977 :
* (5) : -3.859 -4.064 11.085 9.501 16.335 : MEAN
* (6) : -6.638 -5.812 12.410 9.239 15.489 :
* (7) : -8.665 -4.365 11.847 9.290 13.463 :
* (8)* : -1.639 -7.829 10.968 9.329 13.842 :
*
* (1) : 39.645 21.129 28.636 .0410 452.823 :
* (2) : 59.726 31.937 16.981 .0387 221.165 :
* (3) : 40.317 27.184 25.195 .0215 244.897 :
* (4) : 21.493 31.614 9.505 .0392 294.391 :
* (5) : 62.505 53.409 24.451 .0547 278.026 : VARIANCE
* (6) : 55.815 45.440 25.083 .0369 268.626 :
* (7) : 39.431 38.469 31.688 .0202 162.082 :
* (8)* : 40.936 36.335 20.955 .0143 159.629 :
*
* (1) : 6.296 4.597 5.351 .203 21.280 :
* (2) : 7.728 5.651 4.121 .197 14.872 :
* (3) : 6.350 5.214 5.019 .147 15.649 :
* (4) : 4.636 5.623 3.083 .198 17.158 : STANDARD
* (5) : 7.906 7.308 4.945 .234 16.674 : DEVIATION
* (6) : 7.471 6.741 5.008 .192 16.390 :
* (7) : 6.279 6.202 5.629 .142 12.731 :
* (8)* : 6.398 6.028 4.578 .119 12.634 :
*
* (1) : .131 .204 .509 -.0237 .193 :
* (2) : .220 -.070 -.374 .206 .906 :
* (3) : .106 .283 .125 .269 1.118 :
* (4) : -.188 -.575 .177 -.808 1.984 :
* (5) : .115 .153 1.031 -.353 1.773 : SKEWNESS
* (6) : .494 .549 .0240 2.894 1.973 :
* (7) : -.470 .457 .741 .268 1.261 :
* (8)* : .297 .361 .00789 .896 1.542 :
*
* (1) : 3.376 2.689 2.996 2.952 6.720 :
* (2) : 2.737 2.756 2.577 2.427 4.113 :
* (3) : 2.189 2.361 2.504 3.226 7.002 :
* (4) : 2.254 2.550 2.173 3.071 14.172 :
* (5) : 2.203 2.496 3.747 2.140 10.508 : KURTOSIS
* (6) : 2.781 2.844 2.006 24.312 13.567 :
* (7) : 3.633 2.637 3.528 3.143 6.117 :
* (8)* : 2.390 2.419 2.372 3.836 10.012 :
*
* (1) : -32.847 .967 8.234 8.884 -110.459 :
* (2) : -33.656 6.089 16.421 9.017 -34.023 :
* (3) : -16.284 1.934 3.579 9.219 -45.213 :
* (4) : -12.659 -11.304 1.302 9.102 -54.349 :
* (5) : -21.982 -21.962 2.197 8.908 -59.205 : MINIMUM
* (6) : -23.412 -17.997 1.028 8.934 -39.334 :
* (7) : -27.092 -19.008 1.632 8.947 -38.328 :
* (8)* : -16.054 -20.980 1.353 9.080 -56.412 :
*
* (1) : 4.545 27.771 36.368 10.049 122.265 :
* (2) : 6.626 35.626 37.183 10.138 96.924 :
* (3) : 12.937 28.329 29.066 10.271 114.253 :
* (4) : 9.106 15.337 16.637 10.061 164.906 :
* (5) : 14.360 13.140 27.534 10.184 128.576 : MAXIMUM
* (6) : 14.506 20.696 24.836 11.682 193.779 :
* (7) : 7.285 12.851 31.400 9.878 84.401 :
* (8)* : 15.860 9.113 23.530 9.886 104.460 :
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***** SURFACE MOORING 79m. /VACM *** 652,10A *** *****					
*PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	

* (1) :	-17.831	15.837	24.711	9.490	MEAN
* (2) :	-21.833	22.128	32.408	9.735	
* (3) :	-5.395	20.553	23.009	9.652	
* (4) :	-4.726	5.964	11.056	9.605	
* (5) :	-5.162	-5.420	13.560	9.481	
* (6) :	-10.127	-7.987	16.532	9.224	
* (7) :	-10.901	-7.222	16.472	9.291	
* (8) :	-3.790	-10.805	15.653	9.356	

* (1) :	39.327	29.925	27.364	.0438	VARIANCE
* (2) :	53.938	36.944	6.922	.0386	
* (3) :	73.708	27.332	23.183	.0157	
* (4) :	34.808	51.365	21.836	.0252	
* (5) :	88.584	86.203	46.939	.0510	
* (6) :	66.761	73.489	33.291	.0284	
* (7) :	67.365	74.364	41.403	.0230	
* (8) :	75.614	71.081	32.783	.0105	

* (1) :	6.271	5.470	5.231	.209	STANDARD DEVIATION
* (2) :	7.344	6.078	2.631	.196	
* (3) :	8.585	5.228	4.815	.125	
* (4) :	5.900	7.167	4.673	.159	
* (5) :	9.412	9.285	6.851	.226	
* (6) :	8.171	8.573	5.770	.169	
* (7) :	8.208	8.623	6.434	.152	
* (8) :	8.696	8.431	5.726	.102	

* (1) :	.016	-.049	.247	-.228	SKEWNESS
* (2) :	.553	-.275	-.0198	-.0798	
* (3) :	.003	-.039	.238	.198	
* (4) :	.141	-.530	.283	.135	
* (5) :	.082	.090	.606	-.116	
* (6) :	.823	.519	-.207	2.322	
* (7) :	.217	.549	-.164	-.0862	
* (8) :	.603	.686	-.378	.288	

* (1) :	3.062	2.344	3.564	2.985	KURTOSIS
* (2) :	2.973	2.296	3.201	2.255	
* (3) :	2.153	2.424	2.908	3.138	
* (4) :	2.660	2.808	2.699	2.576	
* (5) :	2.374	2.362	2.896	2.031	
* (6) :	3.379	2.705	2.470	13.243	
* (7) :	3.027	2.772	2.374	2.344	
* (8) :	2.547	2.768	2.662	2.955	

* (1) :	-37.033	-.114	9.700	8.883	MINIMUM
* (2) :	-37.856	5.553	22.999	9.241	
* (3) :	-27.899	4.494	5.586	9.296	
* (4) :	-21.390	-16.210	.607	9.136	
* (5) :	-27.762	-26.991	.197	9.004	
* (6) :	-26.616	-30.146	1.025	8.959	
* (7) :	-30.742	-24.293	.354	8.889	
* (8) :	-20.227	-28.371	.330	9.135	

* (1) :	4.306	31.378	40.299	10.100	MAXIMUM
* (2) :	1.025	34.660	41.045	10.183	
* (3) :	15.249	33.568	34.331	10.028	
* (4) :	13.599	22.831	25.075	10.024	
* (5) :	20.223	19.414	33.321	10.031	
* (6) :	18.233	20.054	32.808	10.656	
* (7) :	12.938	20.370	30.985	9.736	
* (8) :	20.319	16.924	29.288	9.726	

***** SUBSURFACE MOORING 82m./DT *** 6512C *** *****						
PERIOD	FAST	NORTH	SPEED	TEMPERATURE	TDIF.	STATISTIC
5 DAYS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	MDEG/M	

* (1) *	-16.983	12.366	21.726	9.403	13.756	MEAN
* (2) *	-19.877	20.043	29.518	9.524	18.442	
* (3) *	-3.457	15.116	16.764	9.561	14.412	
* (4) *	-2.156	4.345	8.102	9.604	13.000	
* (5) *	-2.806	-4.177	10.912	9.453	13.588	
* (6) *	-6.276	-6.187	12.373	9.194	12.673	
* (7) *	-8.545	-4.712	11.979	9.253	10.065	
* (8) *	-1.434	-7.847	10.803	9.293	9.694	

* (1) *	39.777	21.903	30.998	0.0346	74.469	VARIANCE
* (2) *	52.278	37.289	16.048	0.0370	01.580	
* (3) *	36.981	30.378	26.771	0.0188	22.347	
* (4) *	21.512	29.076	8.475	0.0421	66.965	
* (5) *	57.395	55.661	25.929	0.0568	94.188	
* (6) *	55.068	47.045	26.684	0.0269	42.918	
* (7) *	40.358	41.013	33.094	0.0178	36.170	
* (8) *	38.216	35.177	20.330	0.0110	36.493	

* (1) *	6.307	4.680	5.568	0.186	21.782	STANDARD DEVIATION
* (2) *	7.299	6.106	4.006	0.192	14.198	
* (3) *	6.081	5.512	5.174	0.137	14.911	
* (4) *	4.638	5.392	2.911	0.205	16.339	
* (5) *	7.576	7.461	5.092	0.238	17.152	
* (6) *	7.421	6.859	5.166	0.164	15.586	
* (7) *	6.353	6.404	5.753	0.133	11.669	
* (8) *	6.182	5.931	4.509	0.105	11.683	

* (1) *	0.066	0.152	0.443	-0.0559	0.291	SKEWNESS
* (2) *	0.443	-0.226	0.434	0.331	0.885	
* (3) *	-0.093	0.336	0.225	0.306	1.307	
* (4) *	-0.135	0.565	0.139	-0.875	1.835	
* (5) *	0.064	0.114	1.043	0.259	1.966	
* (6) *	0.432	0.450	0.0909	2.719	1.241	
* (7) *	-0.490	0.439	0.671	0.316	1.204	
* (8) *	0.301	0.358	-0.0183	1.001	0.696	

* (1) *	2.428	2.669	2.891	3.005	9.066	KURTOSIS
* (2) *	2.264	2.842	2.765	2.636	4.035	
* (3) *	2.374	2.272	2.486	3.331	8.559	
* (4) *	2.316	2.504	2.311	2.927	10.583	
* (5) *	2.257	2.528	3.750	1.951	10.931	
* (6) *	2.672	2.677	1.992	22.067	7.851	
* (7) *	2.481	2.506	3.303	3.058	6.947	
* (8) *	2.336	2.277	2.194	4.235	6.684	

* (1) *	-34.515	-0.879	8.156	8.862	21.039	MINIMUM
* (2) *	-35.721	2.967	16.131	8.909	34.020	
* (3) *	-18.792	2.553	3.662	9.196	66.052	
* (4) *	-12.956	-10.534	0.617	9.086	53.272	
* (5) *	-21.118	-22.035	0.550	8.875	51.178	
* (6) *	-22.145	-19.831	1.899	8.946	50.240	
* (7) *	-27.088	-19.335	0.302	8.928	39.543	
* (8) *	-14.929	-20.584	0.522	9.045	66.151	

* (1) *	2.183	25.276	36.855	9.993	69.708	MAXIMUM
* (2) *	4.447	24.461	37.996	10.110	90.561	
* (3) *	11.039	29.773	30.769	10.177	26.553	
* (4) *	9.762	14.497	16.381	9.998	48.696	
* (5) *	12.479	13.847	27.476	9.982	27.278	
* (6) *	14.469	18.743	24.279	11.275	21.111	
* (7) *	7.699	11.963	31.812	9.818	88.380	
* (8) *	13.905	7.977	22.643	9.862	84.433	

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*****
* SPAR MOORING 83m. /ACM *** 6537D ***
* PERIOD : EAST NORTH SPEED TEMPERATURE
* 5 DAYS : CM/SEC CM/SEC CM/SEC CELSIUS
*
* (1) : -16.406 12.484 21.543 9.538
* (2) : -20.135 18.383 28.698 9.863
* (3) : -2.759 13.529 14.888 9.629
* (4) : -1.560 2.724 4.892 9.651
* (5) : -2.154 -1.566 5.140 9.519
* (6) : -6.012 -4.790 10.113 9.196
* (7) : -7.768 -4.236 10.975 9.297
* (8) : -2.046 -6.171 8.829 9.329
*
* (1) : 48.900 35.499 45.338 .0308
* (2) : 59.888 41.235 20.896 .0424
* (3) : 30.890 45.292 45.194 .0238
* (4) : 10.221 14.499 10.642 .0337
* (5) : 22.076 20.632 23.377 .0476
* (6) : 44.249 40.741 41.806 .0234
* (7) : 63.222 44.062 65.112 .0208
* (8) : 27.429 47.148 38.894 .0111
*
* (1) : 6.993 5.958 6.733 .176
* (2) : 7.739 6.421 4.571 .206
* (3) : 5.558 6.730 6.723 .154
* (4) : 3.197 3.808 3.262 .184
* (5) : 4.699 4.542 4.835 .218
* (6) : 6.652 6.383 6.466 .153
* (7) : 7.951 6.638 8.069 .144
* (8) : 5.237 6.866 6.236 .105
*
* (1) : .203 .032 -.187 .0857
* (2) : .265 -.090 -.458 -.423
* (3) : -.248 .425 .266 .633
* (4) : -1.022 -.024 .831 -.921
* (5) : -1.351 -.902 1.804 -.540
* (6) : -.111 -.310 .527 1.363
* (7) : -.955 -.124 .880 .229
* (8) : -.199 -.512 .535 .700
*
* (1) : 3.196 2.636 2.620 3.162
* (2) : 2.933 2.357 2.801 2.521
* (3) : 2.912 2.601 2.519 3.570
* (4) : 3.963 3.086 3.195 3.484
* (5) : 5.109 4.531 6.355 2.308
* (6) : 2.782 2.917 2.360 5.563
* (7) : 3.765 3.721 3.297 2.799
* (8) : 2.783 2.467 2.377 3.323
*
* (1) : -34.607 -4.663 3.634 9.080
* (2) : -38.641 -.594 14.029 9.180
* (3) : -21.376 .114 .439 9.190
* (4) : -14.474 -10.172 .000 9.090
* (5) : -25.590 -19.759 .000 9.000
* (6) : -24.195 -23.281 .000 8.930
* (7) : -37.354 -27.618 .000 8.980
* (8) : -17.027 -26.706 .000 9.120
*
* (1) : 7.651 29.944 37.598 10.140
* (2) : 4.707 33.807 39.315 10.300
* (3) : 11.375 36.499 36.513 10.140
* (4) : 5.587 14.451 16.757 10.070
* (5) : 9.622 14.167 28.278 9.980
* (6) : 14.308 15.058 29.430 9.970
* (7) : 10.205 21.740 41.076 9.840
* (8) : 12.686 7.384 26.958 9.710
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***** SUBSURFACE MOORING 85m./VACM *** 6513B *** *****						
* PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	PRESSURE	STATISTIC
* 5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DECIBARS	

* (1) :	-16.122	13.677	21.822	9.363	89.393	MEAN
* (2) :	-18.411	21.846	29.805	9.465	94.017	
* (3) :	-2.645	15.379	16.826	9.517	88.112	
* (4) :	-2.248	4.307	8.031	9.558	87.226	
* (5) :	-3.884	-4.328	10.934	9.411	87.404	
* (6) :	-6.384	-6.231	12.416	9.154	87.385	
* (7) :	-8.895	-4.871	12.358	9.219	87.535	
* (8) :	-1.754	-8.007	10.901	9.261	87.408	

* (1) :	37.757	22.484	31.020	.0284	4.157	VARIANCE
* (2) :	56.073	31.868	15.855	.0340	4.528	
* (3) :	37.164	27.199	24.762	.0149	1.453	
* (4) :	20.248	29.031	8.378	.0425	.531	
* (5) :	58.432	54.805	27.517	.0546	.517	
* (6) :	56.106	46.508	28.035	.0192	.106	
* (7) :	44.424	41.549	36.102	.0154	.158	
* (8) :	39.803	32.006	20.164	.00853	.287	

* (1) :	6.145	4.742	5.570	.169	2.039	STANDARD DEVIATION
* (2) :	7.488	5.645	3.982	.184	2.128	
* (3) :	6.096	5.215	4.976	.122	1.206	
* (4) :	4.500	5.388	2.895	.206	.728	
* (5) :	7.644	7.403	5.246	.234	.719	
* (6) :	7.490	6.820	5.295	.138	.326	
* (7) :	6.665	6.446	6.008	.124	.398	
* (8) :	6.309	5.657	4.490	.0924	.536	

* (1) :	.124	.246	.475	-.104	1.842	SKEWNESS
* (2) :	.458	-.276	-.432	.438	.560	
* (3) :	.016	.336	.174	.207	1.225	
* (4) :	-.167	-.531	.131	-.862	.255	
* (5) :	-.021	.211	1.099	-.168	-.115	
* (6) :	.404	.434	.178	2.099	-.043	
* (7) :	-.528	.462	.738	.297	.420	
* (8) :	.359	.397	-.0180	.898	-.118	

* (1) :	3.339	2.764	2.959	3.054	5.773	KURTOSIS
* (2) :	3.386	3.223	2.800	2.839	3.491	
* (3) :	2.263	2.386	2.565	3.227	4.115	
* (4) :	2.263	2.325	2.198	2.771	2.131	
* (5) :	2.388	2.577	4.060	1.835	2.044	
* (6) :	2.744	2.678	2.160	13.602	2.897	
* (7) :	3.508	2.561	3.442	2.807	3.434	
* (8) :	2.341	2.313	2.110	4.078	1.838	

* (1) :	-33.021	.063	8.132	8.867	87.154	MINIMUM
* (2) :	-35.438	4.659	16.425	8.913	89.533	
* (3) :	-16.292	3.240	4.275	9.194	86.540	
* (4) :	-12.552	-9.681	.984	9.076	85.988	
* (5) :	-22.717	-22.634	.506	8.857	85.910	
* (6) :	-23.433	-20.508	.567	8.932	86.555	
* (7) :	-28.409	-20.296	.148	8.930	86.760	
* (8) :	-15.638	-20.329	.361	9.007	86.351	

* (1) :	3.233	27.592	36.485	9.885	96.401	MAXIMUM
* (2) :	6.608	35.179	38.181	10.050	100.512	
* (3) :	11.494	29.619	30.607	9.978	92.226	
* (4) :	9.873	13.893	15.986	9.963	89.029	
* (5) :	14.022	14.398	29.365	9.867	88.855	
* (6) :	13.667	15.813	24.806	10.618	88.351	
* (7) :	7.382	13.424	32.622	9.619	89.029	
* (8) :	14.512	6.940	22.774	9.697	88.351	

***** SURFACE MOORING 85m. /VMCM *** 652.12 ***				
*PERIOD :	EAST	NORTH	SPEED	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	

* (1) :	-14.307	11.265	18.851	MEAN
* (2) :	-19.414	17.103	27.023	
* (3) :	-4.117	13.319	15.448	
* (4) :	-2.942	2.897	6.019	
* (5) :	-3.603	-3.786	8.570	
* (6) :	-6.596	-5.834	10.795	
* (7) :	-7.138	-5.371	10.959	
* (8) :	-1.921	-7.682	9.944	

* (1) :	27.712	20.257	24.184	VARIANCE
* (2) :	39.452	31.297	9.924	
* (3) :	40.080	24.483	20.264	
* (4) :	11.689	16.648	9.150	
* (5) :	36.315	36.130	26.319	
* (6) :	31.098	33.167	25.280	
* (7) :	41.086	34.286	35.065	
* (8) :	25.376	31.011	20.220	

* (1) :	5.264	4.501	4.918	STANDARD DEVIATION
* (2) :	6.281	5.594	3.150	
* (3) :	6.331	4.948	4.502	
* (4) :	3.419	4.080	3.025	
* (5) :	6.026	6.011	5.130	
* (6) :	5.577	5.759	5.028	
* (7) :	6.410	5.855	5.922	
* (8) :	5.037	5.569	4.497	

* (1) :	-0.595	0.075	0.651	SKEWNESS
* (2) :	0.576	-0.342	0.0491	
* (3) :	0.146	0.380	0.212	
* (4) :	-0.182	-0.206	0.419	
* (5) :	-0.206	-0.047	0.919	
* (6) :	0.303	0.141	0.0587	
* (7) :	-0.564	0.184	0.423	
* (8) :	0.551	0.217	0.0327	

* (1) :	3.891	2.435	4.124	KURTOSIS
* (2) :	3.735	2.603	2.573	
* (3) :	2.265	3.021	3.406	
* (4) :	2.558	2.505	2.669	
* (5) :	2.863	2.429	3.552	
* (6) :	2.726	2.580	2.212	
* (7) :	3.544	2.541	2.636	
* (8) :	2.684	2.272	2.309	

* (1) :	-33.315	-0.837	5.421	MINIMUM
* (2) :	-34.603	-0.168	18.646	
* (3) :	-22.441	1.731	2.981	
* (4) :	-12.478	-9.347	0.0952	
* (5) :	-21.226	-19.313	0.000	
* (6) :	-20.872	-22.089	0.000	
* (7) :	-28.386	-20.191	0.000	
* (8) :	-14.495	-22.414	0.190	

* (1) :	-0.344	23.429	35.156	MAXIMUM
* (2) :	2.318	30.994	36.451	
* (3) :	11.080	29.043	29.846	
* (4) :	6.403	14.734	16.271	
* (5) :	13.272	11.169	25.092	
* (6) :	9.892	9.513	24.437	
* (7) :	11.545	10.881	28.914	
* (8) :	12.390	8.941	22.730	

***** SUBSURFACE MOORING 91m./DT *** 6515C *** *****						
*PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	TDIF.	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DEG/M	

* (1) :	-15.732	14.257	21.945	9.275	11.597	MEAN
* (2) :	-17.646	23.140	30.411	9.336	16.998	
* (3) :	-1.703	15.755	16.961	9.437	10.581	
* (4) :	-2.031	4.581	7.643	9.478	9.192	
* (5) :	-3.790	-4.167	10.547	9.329	10.197	
* (6) :	-6.488	-6.045	12.133	9.084	8.911	
* (7) :	-9.044	-4.751	12.382	9.157	8.809	
* (8) :	-1.891	-7.837	10.536	9.212	6.807	

* (1) :	34.342	26.421	29.958	.0232	314.375	VARIANCE
* (2) :	62.731	31.458	16.181	.0274	171.448	
* (3) :	35.737	25.619	24.796	.0116	156.686	
* (4) :	16.868	24.614	8.174	.0405	325.968	
* (5) :	57.459	48.910	26.864	.0549	231.986	
* (6) :	52.713	42.801	26.932	.0124	140.557	
* (7) :	44.527	39.646	35.223	.0136	106.044	
* (8) :	39.309	25.714	19.026	.00654	80.066	

* (1) :	5.860	5.140	5.473	.152	17.731	STANDARD DEVIATION
* (2) :	7.920	5.609	4.023	.166	13.094	
* (3) :	5.978	5.062	4.980	.108	12.517	
* (4) :	4.107	4.961	2.859	.201	18.055	
* (5) :	7.580	6.994	5.183	.234	15.231	
* (6) :	7.260	6.542	5.190	.111	11.856	
* (7) :	6.673	6.296	5.935	.116	10.298	
* (8) :	6.270	5.071	4.362	.0809	8.948	

* (1) :	.235	.280	.436	-.319	1.164	SKEWNESS
* (2) :	.551	-.376	-.412	.615	1.010	
* (3) :	.058	.384	.292	.137	.509	
* (4) :	-.115	-.503	.0789	-.635	2.087	
* (5) :	-.032	.245	.908	.0864	2.154	
* (6) :	.467	.340	.231	1.561	1.175	
* (7) :	-.387	.423	.558	.422	1.292	
* (8) :	.456	.330	.00615	.734	.082	

* (1) :	2.892	2.609	2.883	3.026	11.343	KURTOSIS
* (2) :	3.628	3.885	2.605	3.433	4.265	
* (3) :	2.182	2.671	2.658	3.086	6.836	
* (4) :	2.105	2.225	2.031	2.177	18.890	
* (5) :	2.286	2.599	3.622	1.694	14.950	
* (6) :	2.812	2.638	2.223	9.836	7.978	
* (7) :	3.101	2.484	2.981	2.754	6.167	
* (8) :	2.496	2.357	1.919	4.155	7.679	

* (1) :	-31.202	.889	8.256	8.841	-75.241	MINIMUM
* (2) :	-35.290	2.790	18.092	8.849	-16.628	
* (3) :	-16.008	5.002	6.308	9.151	-65.081	
* (4) :	-11.705	-9.193	.402	9.055	-82.950	
* (5) :	-22.964	-19.974	.458	8.818	-44.831	
* (6) :	-22.332	-20.923	1.123	8.861	-55.709	
* (7) :	-27.611	-19.476	1.939	8.897	-29.908	
* (8) :	-14.744	-18.804	1.191	8.970	-53.273	

* (1) :	2.859	28.010	35.926	9.725	176.193	MAXIMUM
* (2) :	9.346	36.387	38.709	9.968	83.263	
* (3) :	12.242	30.315	30.490	9.823	84.229	
* (4) :	7.397	12.798	14.899	9.896	175.314	
* (5) :	12.195	13.546	28.101	9.827	157.584	
* (6) :	12.847	13.196	24.661	10.239	99.254	
* (7) :	7.112	13.147	30.546	9.522	68.288	
* (8) :	15.702	6.286	19.896	9.567	61.985	

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*****
* SUBSURFACE MOORING 94m./VACM *** 6516F ***
*
* PERIOD : EAST NORTH SPEED TEMPERATURE
* 5 DAYS : CM/SEC CM/SEC CM/SEC CELSIUS
*
*
* (1) : -16.970 12.937 21.954 9.251
* (2) : -20.777 20.434 30.438 9.296
* (3) : -3.613 15.351 16.811 9.412
* (4) : -2.285 4.445 7.534 9.461
* (5) : -3.790 -4.116 10.444 9.307
* (6) : -6.472 -6.196 12.213 9.065
* (7) : -9.015 -5.117 12.503 9.138
* (8) : -1.740 -7.890 10.561 9.196
*
*
* (1) : 35.372 19.263 28.002 .0200
* (2) : 54.732 38.484 15.938 .0236
* (3) : 31.407 25.400 22.916 .0101
* (4) : 17.143 22.609 7.964 .0359
* (5) : 57.980 47.825 28.028 .0545
* (6) : 52.976 43.846 27.943 .00950
* (7) : 46.077 39.304 36.500 .0126
* (8) : 40.500 25.156 19.398 .00572
*
*
* (1) : 5.947 4.389 5.292 .142
* (2) : 7.398 6.204 3.992 .154
* (3) : 5.604 5.040 4.787 .101
* (4) : 4.140 4.755 2.822 .189
* (5) : 7.614 6.916 5.294 .233
* (6) : 7.278 6.622 5.286 .0975
* (7) : 6.788 6.269 6.041 .112
* (8) : 6.364 5.016 4.404 .0756
*
*
* (1) : .135 .367 .417 -.427
* (2) : .830 -.418 -.481 .683
* (3) : -.051 .349 .297 .0216
* (4) : -.050 -.455 -.0878 -.580
* (5) : -.028 .204 .872 .141
* (6) : .399 .283 .380 1.023
* (7) : -.397 .371 .537 .425
* (8) : .451 .319 .0285 .462
*
*
* (1) : 2.920 2.930 2.906 2.994
* (2) : 4.252 3.172 2.686 3.679
* (3) : 2.367 2.482 2.669 2.925
* (4) : 2.000 2.186 2.049 2.086
* (5) : 2.354 2.648 3.554 1.673
* (6) : 2.805 2.653 2.344 5.213
* (7) : 3.039 2.382 2.872 2.791
* (8) : 2.588 2.488 1.907 3.322
*
*
* (1) : -32.886 1.670 10.143 8.862
* (2) : -36.634 1.388 18.342 8.860
* (3) : -17.991 4.230 6.693 9.153
* (4) : -12.246 -7.460 .350 9.057
* (5) : -23.168 -19.925 .120 8.815
* (6) : -22.927 -22.122 .877 8.866
* (7) : -27.281 -20.120 .262 8.881
* (8) : -14.727 -19.624 .651 8.983
*
*
* (1) : .952 24.900 35.958 9.627
* (2) : 6.758 33.947 37.988 9.866
* (3) : 10.440 28.657 29.779 9.771
* (4) : 7.308 12.842 14.041 9.802
* (5) : 12.459 13.025 28.267 9.788
* (6) : 12.523 11.753 25.361 9.726
* (7) : 6.873 11.617 30.164 9.505
* (8) : 16.620 7.452 20.587 9.487
*
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***** SUBSURFACE MOORING 97m./VACM *** 6517C *** *****							
* PERIOD	* EAST	* NORTH	* SPEED	* TEMPERATURE		* STATISTIC	*
* 5 DAYS	* CM/SEC	* CM/SEC	* CM/SEC	* CELSIUS			*

* (1)	* -16.473	* 13.682	* 21.988	* 9.218		MEAN	*
* (2)	* -19.095	* 21.588	* 30.130	* 9.246			*
* (3)	* -3.451	* 15.479	* 16.886	* 9.376			*
* (4)	* -2.395	* 4.363	* 7.366	* 9.437			*
* (5)	* -3.687	* -4.142	* 10.373	* 9.277			*
* (6)	* -6.417	* -6.366	* 12.250	* 9.038			*
* (7)	* -9.031	* -5.283	* 12.546	* 9.113			*
* (8)	* -1.699	* -7.853	* 10.565	* 9.170			*

* (1)	* 30.511	* 18.264	* 23.874	* .0187		VARIANCE	*
* (2)	* 56.574	* 35.294	* 14.696	* .0203			*
* (3)	* 31.045	* 25.289	* 22.692	* .00944			*
* (4)	* 16.253	* 21.210	* 7.975	* .0303			*
* (5)	* 58.374	* 47.014	* 28.545	* .0551			*
* (6)	* 51.812	* 44.225	* 27.685	* .00811			*
* (7)	* 45.526	* 39.484	* 37.078	* .0121			*
* (8)	* 42.280	* 23.893	* 19.109	* .00559			*

* (1)	* 5.524	* 4.274	* 4.886	* .137		STANDARD DEVIATION	*
* (2)	* 7.522	* 5.941	* 3.834	* .142			*
* (3)	* 5.572	* 5.029	* 4.764	* .0971			*
* (4)	* 4.032	* 4.605	* 2.824	* .174			*
* (5)	* 7.640	* 6.857	* 5.343	* .235			*
* (6)	* 7.195	* 6.650	* 5.262	* .0900			*
* (7)	* 6.747	* 6.284	* 6.089	* .110			*
* (8)	* 6.502	* 4.888	* 4.371	* .0748			*

* (1)	* .233	* .359	* .380	* -.441		SKEWNESS	*
* (2)	* .899	* -.555	* -.471	* .750			*
* (3)	* .191	* .378	* .312	* -.0354			*
* (4)	* -.020	* -.420	* -.104	* -.539			*
* (5)	* -.025	* .196	* .820	* .160			*
* (6)	* .389	* .271	* .385	* .811			*
* (7)	* -.412	* .293	* .451	* .377			*
* (8)	* .450	* .385	* .0285	* .284			*

* (1)	* 2.801	* 2.793	* 2.958	* 2.926		KURTOSIS	*
* (2)	* 4.594	* 3.282	* 2.642	* 4.087			*
* (3)	* 2.250	* 2.578	* 2.670	* 2.762			*
* (4)	* 2.019	* 2.277	* 2.024	* 2.111			*
* (5)	* 2.467	* 2.631	* 3.424	* 1.626			*
* (6)	* 2.831	* 2.622	* 2.343	* 4.378			*
* (7)	* 3.011	* 2.241	* 2.700	* 2.760			*
* (8)	* 2.771	* 2.683	* 1.913	* 2.986			*

* (1)	* -30.671	* 2.501	* 10.357	* 8.841		MINIMUM	*
* (2)	* -35.503	* 2.244	* 19.476	* 8.858			*
* (3)	* -17.194	* 4.599	* 7.100	* 9.118			*
* (4)	* -11.667	* -7.147	* .227	* 9.012			*
* (5)	* -24.555	* -20.424	* .404	* 8.775			*
* (6)	* -23.436	* -23.972	* .331	* 8.847			*
* (7)	* -27.686	* -20.362	* .669	* 8.861			*
* (8)	* -16.034	* -19.034	* .490	* 8.957			*

* (1)	* -.613	* 25.825	* 35.585	* 9.546		MAXIMUM	*
* (2)	* 9.626	* 34.232	* 37.721	* 9.792			*
* (3)	* 10.639	* 29.635	* 30.433	* 9.738			*
* (4)	* 6.633	* 12.968	* 13.559	* 9.754			*
* (5)	* 12.549	* 13.506	* 28.256	* 9.759			*
* (6)	* 12.200	* 11.003	* 26.231	* 9.593			*
* (7)	* 6.787	* 8.845	* 30.820	* 9.469			*
* (8)	* 13.199	* 6.569	* 20.275	* 9.454			*

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*****
* SUBSURFACE MOORING 100m./DT *** 6518A ***
* PERIOD : EAST NORTH SPEED TEMPERATURE TDIF. : STATISTIC
* 5 DAYS : CM/SEC CM/SEC CM/SEC CELSIUS MDEG/M :
*
* (1) : -15.076 15.134 21.981 9.188 7.350 :
* (2) : -16.710 24.163 30.677 9.201 11.191 :
* (3) : -2.220 15.703 16.927 9.347 8.031 :
* (4) : -2.376 4.420 7.314 9.419 5.226 :
* (5) : -3.877 -3.837 10.302 9.254 5.963 :
* (6) : -6.708 -6.199 12.308 9.020 4.737 :
* (7) : -9.204 -4.831 12.472 9.090 5.968 :
* (8) : -1.767 -7.624 10.411 9.152 4.872 :
*
* (1) : 29.770 21.417 24.349 .0185 292.673 :
* (2) : 62.828 30.946 15.773 .0170 135.090 :
* (3) : 33.718 23.156 21.882 .00964 140.071 :
* (4) : 15.721 20.912 8.314 .0270 334.998 :
* (5) : 60.410 44.197 28.234 .0550 128.044 :
* (6) : 53.718 42.063 27.709 .00738 95.962 :
* (7) : 45.039 37.585 35.137 .0127 89.664 :
* (8) : 43.254 21.594 17.695 .00629 92.080 :
*
* (1) : 5.456 4.628 4.934 .136 17.108 :
* (2) : 7.926 5.563 3.971 .130 11.623 :
* (3) : 5.807 4.812 4.678 .0982 11.835 :
* (4) : 3.965 4.573 2.883 .164 18.303 :
* (5) : 7.772 6.648 5.314 .234 11.316 :
* (6) : 7.329 6.486 5.264 .0859 9.796 :
* (7) : 6.711 6.131 5.928 .113 9.469 :
* (8) : 6.577 4.647 4.207 .0793 9.596 :
*
* (1) : .402 .443 .356 -.351 .035 :
* (2) : .785 -.450 -.479 .773 .949 :
* (3) : .335 .361 .290 -.0691 .948 :
* (4) : -.053 -.458 -.0933 -.608 -1.020 :
* (5) : -.007 .189 .754 .189 .967 :
* (6) : .439 .251 .399 .744 .383 :
* (7) : -.324 .286 .426 .356 .991 :
* (8) : .449 .449 -.0197 .250 .878 :
*
* (1) : 2.682 2.594 2.823 2.776 9.544 :
* (2) : 4.372 3.080 2.512 4.495 5.344 :
* (3) : 2.179 2.680 2.635 2.533 10.056 :
* (4) : 2.152 2.317 1.943 2.368 15.246 :
* (5) : 2.441 2.625 3.208 1.572 8.731 :
* (6) : 2.764 2.583 2.401 4.417 6.141 :
* (7) : 2.924 2.193 2.627 2.788 8.359 :
* (8) : 2.777 2.787 1.881 2.632 14.763 :
*
* (1) : -28.586 4.100 10.594 8.834 -108.345 :
* (2) : -33.898 6.900 19.605 8.857 -48.662 :
* (3) : -15.965 5.321 7.223 9.100 -64.955 :
* (4) : -12.542 -7.578 .224 8.990 -123.117 :
* (5) : -24.114 -19.138 .335 8.756 -44.877 :
* (6) : -22.382 -23.543 1.445 8.820 -44.730 :
* (7) : -27.394 -20.244 .348 8.832 -59.221 :
* (8) : -15.115 -17.321 .743 8.953 -59.886 :
*
* (1) : 1.265 28.596 34.944 9.548 104.979 :
* (2) : 12.507 36.748 38.097 9.721 72.552 :
* (3) : 12.408 29.371 29.909 9.649 109.627 :
* (4) : 6.436 12.875 13.795 9.720 105.007 :
* (5) : 12.954 13.045 27.586 9.727 80.721 :
* (6) : 12.000 10.496 27.018 9.570 66.385 :
* (7) : 6.979 8.655 30.258 9.460 70.075 :
* (8) : 18.095 6.217 19.059 9.407 86.245 :
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***** SUBSURFACE MOORING 103m./DT *** 6519A *** *****						
* PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	TDIF.	STATISTIC
* 5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	MDEG/M	

* (1) :	-16.324	13.768	21.916	9.160	6.931	MEAN
* (2) :	-19.585	21.545	30.452	9.161	10.810	
* (3) :	-3.250	15.448	16.730	9.316	8.163	
* (4) :	-2.487	4.099	7.164	9.397	5.718	
* (5) :	-3.865	-3.872	10.246	9.225	8.311	
* (6) :	-6.719	-6.286	12.316	8.998	5.594	
* (7) :	-9.175	-4.905	12.420	9.064	6.968	
* (8) :	-1.674	-7.588	10.424	9.132	5.271	

* (1) :	30.609	16.875	23.220	.0176	269.740	VARIANCE
* (2) :	60.259	35.029	15.752	.0138	115.949	
* (3) :	28.812	22.536	20.665	.00989	114.597	
* (4) :	16.298	20.338	8.299	.0249	220.410	
* (5) :	60.377	43.445	28.785	.0553	154.529	
* (6) :	53.314	41.241	27.531	.00687	84.508	
* (7) :	43.860	36.259	34.109	.0132	91.188	
* (8) :	45.352	21.219	18.300	.00654	87.697	

* (1) :	5.533	4.108	4.819	.133	16.424	STANDARD DEVIATION
* (2) :	7.763	5.919	3.969	.118	10.768	
* (3) :	5.368	4.747	4.546	.0994	10.705	
* (4) :	4.037	4.510	2.881	.158	14.846	
* (5) :	7.770	6.591	5.365	.235	12.431	
* (6) :	7.302	6.422	5.247	.0829	9.193	
* (7) :	6.623	6.022	5.840	.115	9.549	
* (8) :	6.734	4.606	4.278	.0809	9.365	

* (1) :	.234	.339	.340	-.317	.760	SKEWNESS
* (2) :	1.238	-.598	-.373	.853	1.013	
* (3) :	.245	.337	.237	-.141	1.252	
* (4) :	-.082	-.425	-.0271	-.661	-1.304	
* (5) :	-.055	.173	.789	.223	1.038	
* (6) :	.428	.252	.426	.567	.189	
* (7) :	-.277	.306	.417	.271	1.355	
* (8) :	.415	.445	.00960	.243	.349	

* (1) :	2.789	2.806	2.780	2.808	9.752	KURTOSIS
* (2) :	5.778	3.122	2.417	5.026	5.616	
* (3) :	2.235	2.519	2.537	2.608	9.443	
* (4) :	2.180	2.318	2.001	2.500	16.845	
* (5) :	2.413	2.590	3.250	1.529	7.770	
* (6) :	2.818	2.588	2.465	3.837	6.693	
* (7) :	2.878	2.224	2.655	2.772	9.726	
* (8) :	2.855	2.858	1.865	2.500	11.696	

* (1) :	-30.964	3.208	10.798	8.813	-81.338	MINIMUM
* (2) :	-35.173	3.655	20.034	8.846	-35.304	
* (3) :	-16.754	4.704	6.523	9.006	-48.302	
* (4) :	-13.112	-7.719	.0989	8.983	-98.507	
* (5) :	-24.382	-19.011	.105	8.750	-58.520	
* (6) :	-22.873	-23.158	1.255	8.770	-54.290	
* (7) :	-26.676	-20.050	.315	8.774	-44.672	
* (8) :	-15.898	-17.197	.660	8.947	-63.463	

* (1) :	.429	24.854	34.592	9.485	123.600	MAXIMUM
* (2) :	13.081	34.893	38.609	9.650	74.742	
* (3) :	9.813	28.312	28.880	9.630	102.233	
* (4) :	6.110	12.856	13.819	9.705	121.416	
* (5) :	12.646	13.008	27.939	9.701	74.978	
* (6) :	12.201	10.511	26.646	9.522	58.833	
* (7) :	6.643	9.008	29.252	9.373	75.511	
* (8) :	19.121	7.195	19.264	9.354	81.138	

*****SUBSURFACE MOORING 106m./VACM*** 651,10C ***					
*PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	

* (1) :	-16.426	13.026	21.590	9.137	MEAN
* (2) :	-19.866	20.306	29.776	9.127	
* (3) :	-4.102	15.278	16.753	9.289	
* (4) :	-2.755	3.867	7.086	9.374	
* (5) :	-3.483	-4.105	10.264	9.198	
* (6) :	-6.068	-6.693	12.128	8.977	
* (7) :	-8.666	-5.412	12.231	9.039	
* (8) :	-8.887	-7.547	10.212	9.112	

* (1) :	31.818	14.919	20.090	.0159	VARIANCE
* (2) :	54.175	38.312	12.844	.0111	
* (3) :	28.655	23.042	21.290	.00978	
* (4) :	16.406	18.888	7.624	.0233	
* (5) :	55.998	48.096	27.722	.0547	
* (6) :	48.835	43.449	26.807	.00624	
* (7) :	40.346	36.529	31.657	.0132	
* (8) :	40.867	22.643	16.974	.00677	

* (1) :	5.641	3.863	4.482	.126	STANDARD DEVIATION
* (2) :	7.360	6.190	3.584	.106	
* (3) :	5.353	4.800	4.614	.0989	
* (4) :	4.050	4.346	2.761	.153	
* (5) :	7.483	6.935	5.265	.234	
* (6) :	6.988	6.592	5.178	.0790	
* (7) :	6.352	6.044	5.626	.115	
* (8) :	6.393	4.758	4.120	.0823	

* (1) :	.342	.493	.293	.291	SKEWNESS
* (2) :	1.409	-.694	-.238	.893	
* (3) :	.172	.360	.226	.182	
* (4) :	-.031	-.418	.0523	-.657	
* (5) :	-.009	.147	.767	.259	
* (6) :	.370	.226	.465	.314	
* (7) :	-.262	.326	.435	.249	
* (8) :	.389	.479	-.00418	.258	

* (1) :	2.823	2.860	2.760	2.737	KURTOSIS
* (2) :	6.415	2.977	2.486	5.636	
* (3) :	2.284	2.570	2.585	2.745	
* (4) :	2.241	2.402	2.092	2.497	
* (5) :	2.429	2.453	3.274	1.506	
* (6) :	2.897	2.525	2.515	3.007	
* (7) :	2.929	2.189	2.727	2.868	
* (8) :	2.896	2.731	1.902	2.326	

* (1) :	-30.209	3.419	11.351	8.823	MINIMUM
* (2) :	-34.473	1.899	19.777	8.842	
* (3) :	-18.075	4.523	5.940	8.996	
* (4) :	-13.265	-8.082	.281	8.980	
* (5) :	-22.982	-19.372	.594	8.750	
* (6) :	-22.190	-23.881	.890	8.748	
* (7) :	-25.592	-18.045	.213	8.743	
* (8) :	-14.574	-16.878	1.380	8.942	

* (1) :	.769	24.299	33.646	9.446	MAXIMUM
* (2) :	12.953	32.606	38.098	9.594	
* (3) :	8.237	28.217	28.920	9.603	
* (4) :	6.353	12.302	14.061	9.639	
* (5) :	12.637	13.463	27.337	9.648	
* (6) :	12.065	10.036	26.870	9.309	
* (7) :	6.504	9.177	28.460	9.338	
* (8) :	18.708	7.292	18.735	9.306	

***** SUBSURFACE MOORING 112m./DT *** 651,12A ***						
*PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	TDIF.	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	MDEG/M	

* (1) :	-16.100	13.611	21.750	9.112	3.135	MEAN
* (2) :	-19.337	22.701	31.331	9.076	6.883	
* (3) :	-3.017	15.447	16.753	9.263	3.810	
* (4) :	-2.632	3.804	6.978	9.345	4.455	
* (5) :	-3.484	-4.144	10.211	9.175	3.206	
* (6) :	-6.114	-6.458	11.744	8.952	3.320	
* (7) :	-8.625	-5.098	11.871	9.014	2.606	
* (8) :	-.938	-7.429	10.003	9.094	2.448	

* (1) :	34.907	18.255	24.548	.0144	263.490	VARIANCE
* (2) :	64.834	41.726	14.191	.00800	71.135	
* (3) :	32.034	23.992	23.048	.0101	67.390	
* (4) :	18.145	17.059	7.905	.0234	129.928	
* (5) :	56.485	45.802	27.327	.0508	100.428	
* (6) :	46.086	38.895	26.143	.00674	76.367	
* (7) :	35.662	33.506	28.640	.0133	92.860	
* (8) :	40.590	19.941	16.543	.00841	71.631	

* (1) :	5.908	4.273	4.955	.120	16.232	STANDARD DEVIATION
* (2) :	8.052	6.460	3.767	.0894	8.434	
* (3) :	5.660	4.898	4.801	.101	8.209	
* (4) :	4.260	4.130	2.812	.153	11.399	
* (5) :	7.516	6.768	5.228	.225	10.021	
* (6) :	6.789	6.237	5.113	.0821	8.739	
* (7) :	5.972	5.788	5.352	.115	9.636	
* (8) :	6.371	4.466	4.067	.0917	8.463	

* (1) :	.266	.683	.407	-.0231	.226	SKEWNESS
* (2) :	1.248	-.693	-.376	.865	1.123	
* (3) :	.247	.309	.193	-.147	1.389	
* (4) :	-.137	-.538	.0716	-.489	.888	
* (5) :	.006	.120	.725	.264	.829	
* (6) :	.429	.198	.462	.104	.721	
* (7) :	-.239	.377	.457	.281	.826	
* (8) :	.465	.371	.0216	.131	.212	

* (1) :	2.922	2.991	2.821	2.534	11.176	KURTOSIS
* (2) :	6.029	2.853	2.463	5.833	5.537	
* (3) :	2.364	2.697	2.541	2.677	9.663	
* (4) :	2.354	2.747	2.212	2.190	10.718	
* (5) :	2.289	2.467	3.223	1.560	10.342	
* (6) :	2.813	2.526	2.465	2.890	6.371	
* (7) :	2.946	2.352	2.723	3.080	10.271	
* (8) :	2.944	2.499	2.003	2.330	22.303	

* (1) :	-32.078	4.312	10.521	8.771	-104.813	MINIMUM
* (2) :	-35.225	1.578	21.464	8.845	-22.604	
* (3) :	-16.299	3.659	5.696	8.981	-31.092	
* (4) :	-13.371	-8.498	.222	8.967	-59.059	
* (5) :	-22.601	-19.360	.252	8.763	-50.302	
* (6) :	-22.105	-23.781	.341	8.702	-38.054	
* (7) :	-25.456	-17.780	.507	8.748	-51.788	
* (8) :	-14.928	-16.461	.388	8.825	-70.518	

* (1) :	3.061	27.561	34.720	9.408	122.079	MAXIMUM
* (2) :	17.516	35.621	38.916	9.571	50.294	
* (3) :	10.949	28.386	29.534	9.528	65.708	
* (4) :	8.037	12.744	13.871	9.609	79.213	
* (5) :	12.473	13.181	26.931	9.626	82.423	
* (6) :	11.627	9.696	26.067	9.187	56.930	
* (7) :	5.812	9.221	27.567	9.331	64.861	
* (8) :	18.124	6.105	19.406	9.308	101.390	

***** SUBSURFACE MOORING 115m./VACM *** 651,138 *** *****					
* PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	STATISTIC
* 5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	

* (1) :	-13.826	15.850	21.736	9.099	MEAN
* (2) :	-14.852	25.381	30.844	9.053	
* (3) :	-1.213	15.302	16.487	9.248	
* (4) :	-2.449	4.118	7.208	9.328	
* (5) :	-4.083	-3.651	10.487	9.163	
* (6) :	-6.807	-5.837	11.899	8.940	
* (7) :	-9.112	-4.268	11.975	9.005	
* (8) :	-1.744	-7.434	10.211	9.083	

* (1) :	35.179	19.737	24.852	.0128	VARIANCE
* (2) :	71.049	30.355	14.829	.00691	
* (3) :	36.184	20.975	20.957	.0100	
* (4) :	19.036	18.046	8.086	.0228	
* (5) :	63.721	43.375	27.121	.0488	
* (6) :	51.908	35.305	26.048	.00650	
* (7) :	37.669	32.729	28.255	.0128	
* (8) :	46.042	16.636	16.716	.00839	

* (1) :	5.931	4.443	4.985	.113	STANDARD DEVIATION
* (2) :	8.429	5.510	3.851	.0832	
* (3) :	6.015	4.580	4.578	.100	
* (4) :	4.363	4.248	2.844	.151	
* (5) :	7.983	6.586	5.208	.221	
* (6) :	7.205	5.942	5.104	.0806	
* (7) :	6.138	5.721	5.316	.113	
* (8) :	6.785	4.079	4.089	.0916	

* (1) :	.453	.540	.378	-.0202	SKEWNESS
* (2) :	.991	-.620	-.434	.814	
* (3) :	.451	.360	.196	-.195	
* (4) :	-.131	-.619	-.0284	-.375	
* (5) :	-.027	.190	.706	.263	
* (6) :	.466	.237	.456	.0331	
* (7) :	-.273	.450	.476	.241	
* (8) :	.369	.329	-.0151	.0646	

* (1) :	2.822	2.696	2.742	2.650	KURTOSIS
* (2) :	5.429	2.951	2.527	5.364	
* (3) :	2.262	2.869	2.515	2.640	
* (4) :	2.329	2.802	2.269	2.070	
* (5) :	2.239	2.427	3.154	1.573	
* (6) :	2.766	2.430	2.444	2.839	
* (7) :	2.958	2.443	2.685	3.009	
* (8) :	2.732	2.409	2.010	2.325	

* (1) :	-27.943	7.019	10.479	8.778	MINIMUM
* (2) :	-31.528	7.543	13.391	8.845	
* (3) :	-13.469	3.374	5.686	8.966	
* (4) :	-12.742	-8.130	.219	8.967	
* (5) :	-23.413	-18.526	.230	8.770	
* (6) :	-22.841	-21.761	.422	8.693	
* (7) :	-26.447	-17.187	.0944	8.738	
* (8) :	-16.791	-15.603	1.065	8.833	

* (1) :	4.025	28.782	34.689	9.387	MAXIMUM
* (2) :	19.865	36.025	38.687	9.504	
* (3) :	14.111	28.013	28.164	9.505	
* (4) :	7.462	12.685	13.941	9.590	
* (5) :	12.665	13.148	26.770	9.565	
* (6) :	12.138	9.189	25.756	9.173	
* (7) :	5.640	9.658	27.718	9.310	
* (8) :	18.201	4.748	20.552	9.306	

***** SUBSURFACE MOORING 118m./VACM *** 651,148 ***					STATISTIC
PERIOD	EAST	NORTH	SPEED	TEMPERATURE	
5 DAYS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	
(1)	-13.730	15.673	21.518	9.079	MEAN
(2)	-14.977	25.273	30.800	9.025	
(3)	-1.166	15.218	16.373	9.228	
(4)	-2.158	4.094	7.177	9.306	
(5)	-4.107	-3.490	10.360	9.143	
(6)	-6.952	-5.514	11.679	8.922	
(7)	-9.108	-4.006	11.866	8.990	
(8)	-2.085	-7.283	10.073	9.063	
(1)	33.471	20.191	24.782	.0117	VARIANCE
(2)	70.586	29.238	14.221	.00607	
(3)	35.332	21.264	21.453	.0103	
(4)	20.788	17.645	8.350	.0219	
(5)	66.472	39.074	27.272	.0468	
(6)	50.937	32.555	25.838	.00659	
(7)	36.917	31.916	27.039	.0130	
(8)	45.908	14.274	16.104	.00904	
(1)	5.785	4.493	4.978	.108	STANDARD DEVIATION
(2)	8.402	5.407	3.771	.0779	
(3)	5.944	4.611	4.632	.102	
(4)	4.559	4.201	2.890	.148	
(5)	8.153	6.251	5.222	.216	
(6)	7.137	5.706	5.083	.0812	
(7)	6.076	5.649	5.200	.114	
(8)	6.776	3.778	4.013	.0951	
(1)	.478	.612	.402	-.00371	SKEWNESS
(2)	1.089	-.558	-.367	.762	
(3)	.410	.345	.184	-.249	
(4)	-.247	-.641	.0553	-.304	
(5)	-.047	.146	.696	.265	
(6)	.427	.200	.484	.0116	
(7)	-.261	.464	.468	.171	
(8)	.361	.232	.0101	-.0206	
(1)	2.813	2.762	2.790	2.789	KURTOSIS
(2)	5.635	2.797	2.271	4.736	
(3)	2.281	2.755	2.416	2.557	
(4)	2.329	2.712	2.374	2.045	
(5)	2.195	2.454	3.216	1.605	
(6)	2.699	2.314	2.476	2.933	
(7)	2.978	2.400	2.713	2.865	
(8)	2.692	2.473	2.050	2.287	
(1)	-27.411	7.376	11.065	8.691	MINIMUM
(2)	-31.197	8.803	21.183	8.846	
(3)	-14.287	2.690	6.406	8.952	
(4)	-13.520	-7.033	.222	8.959	
(5)	-23.640	-17.701	.105	8.753	
(6)	-22.747	-20.085	.831	8.679	
(7)	-27.450	-17.249	.344	8.717	
(8)	-16.811	-15.090	.397	8.820	
(1)	2.910	28.898	34.520	9.339	MAXIMUM
(2)	19.305	35.652	38.754	9.410	
(3)	13.524	27.525	27.663	9.482	
(4)	8.091	12.475	14.816	9.564	
(5)	12.821	12.532	26.150	9.537	
(6)	11.153	7.646	25.590	9.146	
(7)	5.666	9.618	28.054	9.302	
(8)	17.442	4.585	20.123	9.258	

***** SUBSURFACE MOORING 121m./DT *** 651.158 *** *****						
*PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	TDIF.	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	MDEG/M	

* (1) :	-16.914	12.247	21.524	9.066	3.532	MEAN
* (2) :	-20.898	21.039	31.135	9.006	5.255	
* (3) :	-3.986	14.908	16.407	9.219	3.058	
* (4) :	-2.741	3.888	7.199	9.293	4.551	
* (5) :	-3.160	-4.332	10.382	9.137	1.668	
* (6) :	-5.446	-6.891	11.527	8.915	2.645	
* (7) :	-7.915	-5.903	11.881	8.989	1.007	
* (8) :	-4.484	-7.663	10.067	9.055	2.395	

* (1) :	35.907	17.507	26.192	.0119	261.050	VARIANCE
* (2) :	63.259	41.327	14.556	.00549	59.249	
* (3) :	29.507	24.159	22.599	.0107	52.610	
* (4) :	22.166	15.742	8.714	.0217	112.820	
* (5) :	53.793	51.797	26.559	.0453	88.875	
* (6) :	41.029	39.850	25.153	.00729	79.751	
* (7) :	33.650	36.345	26.324	.0138	105.472	
* (8) :	38.224	20.458	16.300	.0100	66.984	

* (1) :	5.992	4.184	5.118	.109	16.157	STANDARD DEVIATION
* (2) :	7.954	6.429	3.815	.0741	7.697	
* (3) :	5.432	4.915	4.754	.103	7.253	
* (4) :	4.708	3.968	2.952	.147	10.622	
* (5) :	7.334	7.197	5.154	.213	9.427	
* (6) :	6.405	6.313	5.015	.0854	8.930	
* (7) :	5.801	6.029	5.131	.118	10.270	
* (8) :	6.183	4.523	4.037	.100	8.184	

* (1) :	.201	.819	.439	.0576	1.129	SKEWNESS
* (2) :	1.505	-.654	-.398	.765	.448	
* (3) :	.198	.341	.183	.317	.505	
* (4) :	-.273	-.476	.155	-.279	-.144	
* (5) :	.025	.119	.670	.220	-.573	
* (6) :	.317	.167	.475	.0566	1.055	
* (7) :	-.255	.462	.407	.0455	.067	
* (8) :	.370	.235	-.0134	-.152	.275	

* (1) :	2.975	3.190	2.867	3.077	18.466	KURTOSIS
* (2) :	6.775	2.521	2.225	4.452	8.248	
* (3) :	2.332	2.495	2.386	2.495	8.463	
* (4) :	2.329	2.692	2.488	2.023	8.271	
* (5) :	2.277	2.314	3.246	1.613	10.010	
* (6) :	2.755	2.461	2.492	3.022	10.311	
* (7) :	3.007	2.221	2.667	2.687	8.619	
* (8) :	2.798	2.179	2.071	2.237	19.030	

* (1) :	-32.375	3.998	10.870	8.654	-105.376	MINIMUM
* (2) :	-35.408	3.896	21.563	8.845	-45.173	
* (3) :	-17.249	2.157	6.030	8.943	-41.408	
* (4) :	-14.304	-6.160	.260	8.960	-53.583	
* (5) :	-21.656	-20.323	.455	8.719	-59.261	
* (6) :	-21.322	-22.811	.377	8.666	-54.257	
* (7) :	-25.231	-18.777	.100	8.712	-53.463	
* (8) :	-14.163	-17.433	.440	8.787	-56.158	

* (1) :	.334	25.126	34.921	9.318	154.333	MAXIMUM
* (2) :	12.816	32.645	38.530	9.371	59.144	
* (3) :	9.765	27.185	28.324	9.485	51.916	
* (4) :	6.434	11.887	15.163	9.563	62.459	
* (5) :	12.440	12.774	26.375	9.532	55.063	
* (6) :	10.195	8.477	25.685	9.143	74.584	
* (7) :	6.725	8.942	27.547	9.294	63.150	
* (8) :	17.101	4.305	20.617	9.303	92.265	

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*****
* SUBSURFACE MOORING 124m./DT *** 651,16A ***
* PERIOD : EAST NORTH SPEED TEMPERATURE TDIF. : STATISTIC
* : : : : : :
* 5 DAYS : CM/SEC CM/SEC CM/SEC CELSIUS MDEG/M :
* : : : : : :
*-----*
* (1) : -15.313 14.421 21.669 9.058 3.329 :
* (2) : -17.765 24.159 31.381 8.988 5.922 :
* (3) : -2.459 14.983 16.209 9.209 3.478 :
* (4) : -2.426 4.157 7.190 9.273 6.441 :
* (5) : -3.882 -3.739 10.483 9.131 2.587 : MEAN
* (6) : -6.426 -5.913 11.481 8.902 4.590 :
* (7) : -8.707 -4.810 11.959 8.984 1.799 :
* (8) : -1.520 -7.428 10.072 9.047 2.789 :
*-----*
* (1) : 34.743 18.965 26.593 .0121 207.146 :
* (2) : 66.096 34.565 15.151 .00512 58.610 :
* (3) : 32.106 23.991 23.904 .0110 44.911 :
* (4) : 21.821 15.464 8.755 .0224 122.137 :
* (5) : 64.945 42.960 27.054 .0442 86.493 : VARIANCE
* (6) : 46.355 33.884 24.688 .00773 131.171 :
* (7) : 37.494 33.698 27.134 .0145 104.584 :
* (8) : 44.061 16.736 16.829 .0104 50.887 :
*-----*
* (1) : 5.894 4.355 5.157 .110 14.393 :
* (2) : 8.130 5.879 3.892 .0716 7.656 :
* (3) : 5.666 4.898 4.889 .105 6.702 :
* (4) : 4.671 3.932 2.959 .150 11.052 : STANDARD
* (5) : 8.059 5.554 5.201 .210 9.300 : DEVIATION
* (6) : 6.808 5.821 4.969 .0879 11.453 :
* (7) : 6.123 5.805 5.209 .121 10.227 :
* (8) : 6.638 4.091 4.102 .102 7.134 :
*-----*
* (1) : .337 .793 .466 -.177 -.135 :
* (2) : 1.225 -.542 -.432 .664 1.612 :
* (3) : .335 .391 .237 -.359 1.051 :
* (4) : -.378 -.581 .302 -.187 .302 :
* (5) : -.062 .125 .745 .155 -.218 : SKEWNESS
* (6) : .341 .171 .465 .0912 1.590 :
* (7) : -.247 .432 .414 .0104 .136 :
* (8) : .317 .144 .0395 -.239 -1.205 :
*-----*
* (1) : 2.899 3.104 2.876 3.306 9.991 :
* (2) : 5.848 2.569 2.270 3.944 10.973 :
* (3) : 2.352 2.691 2.439 2.427 13.544 :
* (4) : 2.394 2.835 2.577 1.863 7.991 :
* (5) : 2.273 2.299 3.452 1.615 8.600 : KURTOSIS
* (6) : 2.685 2.305 2.432 2.103 11.102 :
* (7) : 2.990 2.177 2.593 2.546 14.928 :
* (8) : 2.684 2.345 2.116 2.246 13.276 :
*-----*
* (1) : -29.959 6.548 11.198 8.642 -92.585 :
* (2) : -32.973 7.801 21.378 8.818 -26.932 :
* (3) : -14.790 2.901 6.158 8.934 -31.647 :
* (4) : -14.821 -5.969 .164 8.964 -55.096 :
* (5) : -24.622 -18.409 .0832 8.705 -53.805 : MINIMUM
* (6) : -22.440 -19.222 .641 8.611 -61.311 :
* (7) : -26.534 -16.984 .638 8.713 -69.112 :
* (8) : -15.712 -18.143 .836 8.783 -49.816 :
*-----*
* (1) : 2.167 27.685 35.615 9.316 90.761 :
* (2) : 15.348 35.361 39.346 9.319 66.027 :
* (3) : 12.077 28.050 28.346 9.439 69.114 :
* (4) : 7.213 11.933 15.937 9.537 70.558 :
* (5) : 12.172 11.484 27.691 9.518 53.842 : MAXIMUM
* (6) : 10.315 7.673 24.511 9.145 96.959 :
* (7) : 6.940 8.137 27.743 9.283 82.518 :
* (8) : 17.247 4.038 20.803 9.304 46.545 :
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***** SUBSURFACE MOORING 185m./DT *** 651.17 *** *****						
PERIOD	EAST	NORTH	SPEED	TEMPERATURE	TDIF	STATISTIC
5 DAYS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	MDEG/M	

(1)	-14.372	13.205	20.125	8.952	-1.056	MEAN
(2)	-16.855	21.919	28.944	8.818	-0.013	
(3)	-2.045	14.506	15.607	9.032	-0.012	
(4)	-4.268	4.399	7.860	9.083	-1.601	
(5)	-4.327	-3.834	10.461	8.957	0.604	
(6)	-6.229	-5.525	11.304	8.811	-0.348	
(7)	-8.667	-4.522	11.817	8.916	-1.010	
(8)	-1.279	-8.123	10.584	8.903	-0.734	

(1)	32.432	15.401	23.707	0.00783	47.447	VARIANCE
(2)	56.174	26.691	9.600	0.0116	23.751	
(3)	27.762	20.501	19.291	0.00724	50.305	
(4)	18.493	12.002	6.275	0.0176	68.198	
(5)	56.453	40.271	20.703	0.0325	45.268	
(6)	42.517	41.072	25.136	0.0164	57.876	
(7)	37.369	35.846	29.133	0.00940	38.724	
(8)	42.495	18.884	16.981	0.00912	31.087	

(1)	5.695	3.924	4.869	0.0885	6.888	STANDARD DEVIATION
(2)	7.495	5.166	3.098	0.108	4.873	
(3)	5.269	4.528	4.392	0.0851	7.093	
(4)	4.300	3.464	2.505	0.133	8.258	
(5)	7.514	6.346	4.550	0.180	6.728	
(6)	6.521	6.409	5.014	0.128	7.608	
(7)	6.113	5.987	5.397	0.0969	6.223	
(8)	6.519	4.346	4.121	0.0955	5.576	

(1)	0.038	0.625	0.327	-0.318	-0.862	SKEWNESS
(2)	1.311	-0.368	-0.104	-0.000441E-	-0.509	
(3)	0.120	0.311	0.243	0.00574	0.423	
(4)	0.043	-0.078	0.0611	-0.0938	-1.545	
(5)	0.038	0.199	0.753	0.262	0.675	
(6)	0.153	0.088	0.511	0.401	0.455	
(7)	0.191	-0.066	0.0922	-0.679	-0.545	
(8)	0.149	0.247	0.200	-0.387	-0.742	

(1)	2.197	2.818	2.941	3.006	14.259	KURTOSIS
(2)	5.553	2.298	2.562	2.142	15.821	
(3)	2.544	2.283	2.129	2.714	15.636	
(4)	2.261	2.744	2.368	2.109	14.176	
(5)	1.871	2.277	2.882	2.185	10.164	
(6)	2.227	2.496	2.445	2.232	13.716	
(7)	2.284	2.038	1.782	3.255	18.245	
(8)	2.263	2.304	2.219	1.911	12.615	

(1)	-27.854	5.992	9.528	8.629	61.357	MINIMUM
(2)	-29.706	9.701	20.145	8.598	37.556	
(3)	-15.016	5.240	7.395	8.761	50.856	
(4)	-14.410	-4.452	0.298	8.737	66.480	
(5)	-21.319	-17.110	1.010	8.358	37.692	
(6)	-21.593	-19.349	1.080	8.535	57.565	
(7)	-21.713	-19.007	0.164	8.584	63.428	
(8)	-14.196	-16.220	1.436	8.537	36.376	

(1)	-1.554	25.153	32.299	9.122	48.606	MAXIMUM
(2)	11.677	32.965	37.018	9.064	46.980	
(3)	11.322	25.629	25.784	9.221	62.362	
(4)	6.192	12.646	14.931	9.302	55.600	
(5)	10.002	9.859	23.590	9.303	52.739	
(6)	8.567	9.841	24.836	9.110	57.643	
(7)	6.012	8.570	23.180	9.145	55.116	
(8)	14.381	4.499	20.018	9.083	41.146	

***** SUBSURFACE MOORING 200m./DT *** 651.18A *** *****						
*PERIOD	EAST	NORTH	SPEED	TEMPERATURE	TDIF.	STATISTIC
*5 DAYS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	MDEG/M	

(1)	-14.093	13.147	19.817	8.935	-3.456	MEAN
(2)	-17.093	21.225	28.468	8.796	-4.343	
(3)	-2.377	14.215	15.303	9.010	-4.123	
(4)	-4.154	4.488	7.701	9.066	-3.370	
(5)	-4.156	-3.661	10.163	8.931	-4.697	
(6)	-6.217	-5.296	11.056	8.788	-4.271	
(7)	-8.650	-4.192	11.589	8.898	-3.495	
(8)	-1.326	-8.023	10.412	8.885	-3.450	

(1)	33.033	12.764	24.537	.00742	36.026	VARIANCE
(2)	50.893	25.712	8.831	.0124	18.175	
(3)	25.442	20.602	19.594	.00651	39.879	
(4)	17.257	10.630	5.972	.0172	68.090	
(5)	52.967	38.678	19.035	.0326	53.241	
(6)	39.957	39.466	23.877	.0154	65.694	
(7)	35.223	33.884	27.215	.00923	31.245	
(8)	40.144	17.935	15.802	.00902	22.048	

(1)	5.747	3.573	4.953	.0861	6.002	STANDARD DEVIATION
(2)	7.134	5.071	2.972	.111	4.263	
(3)	5.044	4.539	4.427	.0807	6.315	
(4)	4.154	3.260	2.444	.131	8.252	
(5)	7.278	6.219	4.363	.180	7.297	
(6)	6.321	6.282	4.886	.124	8.105	
(7)	5.935	5.821	5.217	.0961	5.590	
(8)	6.336	4.235	3.975	.0950	4.696	

(1)	-.041	.713	.419	-.396	.184	SKEWNESS
(2)	1.361	-.313	-.00311	.0254	1.374	
(3)	.130	.412	.337	-.0708	-.498	
(4)	.011	-.055	-.0391	-.226	1.378	
(5)	.068	.162	.767	.225	-.636	
(6)	.148	.105	.544	.335	-1.243	
(7)	.166	-.073	.135	-.832	-1.426	
(8)	.134	.283	.249	-.508	.173	

(1)	2.278	2.961	2.942	3.017	11.465	KURTOSIS
(2)	5.663	2.304	2.682	2.053	21.164	
(3)	2.679	2.399	2.272	3.047	12.141	
(4)	2.232	2.659	2.261	2.272	17.034	
(5)	1.841	2.296	2.952	2.334	10.373	
(6)	2.246	2.541	2.617	2.268	11.254	
(7)	2.313	2.083	1.848	3.701	20.107	
(8)	2.186	2.390	2.312	2.039	12.167	

(1)	-29.114	6.581	8.594	8.645	-50.717	MINIMUM
(2)	-29.538	9.426	19.948	8.574	-30.867	
(3)	-15.637	5.339	7.413	8.709	-60.996	
(4)	-13.740	-4.064	1.074	8.763	-51.606	
(5)	-19.592	-16.558	.415	8.332	-53.499	
(6)	-20.928	-19.706	1.492	8.514	-60.269	
(7)	-21.376	-18.007	.846	8.526	-71.762	
(8)	-13.791	-15.957	1.464	8.677	-50.070	

(1)	-.917	24.246	32.942	9.101	42.946	MAXIMUM
(2)	9.478	32.301	36.750	9.047	54.225	
(3)	10.018	25.274	25.578	9.191	37.872	
(4)	5.382	11.774	13.970	9.273	56.972	
(5)	10.508	9.830	23.285	9.279	33.325	
(6)	8.170	9.726	25.185	9.087	32.287	
(7)	5.012	8.756	22.614	9.115	27.272	
(8)	12.994	4.076	20.460	9.055	26.123	

***** SUBSURFACE MOORING 210m./VACM *** 651,19A *** *****					
* PERIOD *	EAST	NORTH	SPEED	TEMPERATURE	STATISTIC
* 5 DAYS *	CM/SEC	CM/SEC	CM/SEC	CELSIUS	

* (1) *	-14.720	12.303	19.750	8.922	MEAN
* (2) *	-17.333	20.881	28.338	8.777	
* (3) *	-2.646	14.304	15.506	8.990	
* (4) *	-4.621	4.101	7.632	9.055	
* (5) *	-3.951	-4.008	10.239	8.908	
* (6) *	-5.782	-5.803	11.027	8.773	
* (7) *	-8.317	-4.776	11.595	8.889	
* (8) *	-1.002	-8.213	10.430	8.876	

* (1) *	30.341	14.994	23.333	.00699	VARIANCE
* (2) *	49.323	25.813	8.504	.0133	
* (3) *	27.379	22.198	20.757	.00527	
* (4) *	14.848	11.251	6.028	.0161	
* (5) *	51.474	41.529	19.852	.0331	
* (6) *	39.304	40.779	25.583	.0134	
* (7) *	33.732	36.839	28.114	.00930	
* (8) *	35.820	21.673	17.162	.00898	

* (1) *	5.508	3.872	4.830	.0836	STANDARD DEVIATION
* (2) *	7.023	5.081	2.916	.115	
* (3) *	5.232	4.711	4.556	.0726	
* (4) *	3.853	3.354	2.455	.127	
* (5) *	7.175	6.444	4.456	.182	
* (6) *	6.269	6.386	5.058	.116	
* (7) *	5.808	6.070	5.302	.0964	
* (8) *	5.985	4.655	4.143	.0947	

* (1) *	-.073	.607	.366	-.382	SKEWNESS
* (2) *	1.341	-.354	-.0348	.132	
* (3) *	.004	.408	.310	-.414	
* (4) *	-.014	.098	-.0652	-.342	
* (5) *	.085	.128	.736	.122	
* (6) *	.072	.017	.553	.286	
* (7) *	.179	-.110	.154	-.886	
* (8) *	.119	.128	.298	-.618	

* (1) *	2.226	2.752	2.911	2.879	KURTOSIS
* (2) *	5.502	2.257	2.429	1.996	
* (3) *	2.725	2.243	2.139	4.190	
* (4) *	2.348	2.305	2.123	2.398	
* (5) *	1.786	2.290	2.955	2.427	
* (6) *	2.160	2.670	2.635	2.428	
* (7) *	2.368	2.090	1.887	3.383	
* (8) *	2.103	2.191	2.440	2.172	

* (1) *	-28.118	4.981	8.527	8.583	MINIMUM
* (2) *	-29.378	8.692	20.331	8.564	
* (3) *	-16.762	5.252	6.983	8.683	
* (4) *	-13.433	-3.342	.574	8.749	
* (5) *	-18.705	-17.817	.631	8.320	
* (6) *	-20.657	-21.554	1.590	8.496	
* (7) *	-20.985	-20.543	1.640	8.518	
* (8) *	-13.236	-17.304	.890	8.683	

* (1) *	-2.532	23.505	32.023	9.087	MAXIMUM
* (2) *	8.662	31.230	35.738	9.028	
* (3) *	10.302	26.145	26.242	9.151	
* (4) *	4.674	12.052	13.530	9.254	
* (5) *	10.340	9.259	23.256	9.249	
* (6) *	8.325	9.583	25.744	9.053	
* (7) *	5.017	7.825	23.901	9.072	
* (8) *	12.388	4.327	20.203	9.054	

***** SUBSURFACE MOORING 295m./DT *** 651,20A *** *****					
*PERIOD :	EAST	NORTH	SPEED	TEMPERATURE	STATISTIC
*5 DAYS :	CM/SEC	CM/SEC	CM/SEC	CELSIUS	

* (1) :	-14.395	10.164	18.232	8.743	MEAN
* (2) :	-17.459	18.688	26.716	8.634	
* (3) :	-3.721	13.888	15.176	8.872	
* (4) :	-5.370	3.867	8.028	8.965	
* (5) :	-4.566	-3.028	9.441	8.733	
* (6) :	-5.521	-5.511	10.640	8.646	
* (7) :	-7.493	-5.360	10.886	8.729	
* (8) :	-8.860	-8.416	10.130	8.723	

* (1) :	32.547	13.163	23.815	.0115	VARIANCE
* (2) :	43.115	22.736	6.171	.00865	
* (3) :	20.531	21.548	18.482	.00402	
* (4) :	12.465	13.530	5.330	.00937	
* (5) :	37.274	38.540	16.695	.0430	
* (6) :	39.416	34.192	21.249	.0105	
* (7) :	28.495	29.823	24.685	.0106	
* (8) :	26.969	22.008	17.933	.00663	

* (1) :	5.705	3.628	4.880	.107	STANDARD DEVIATION
* (2) :	6.566	4.768	2.484	.0930	
* (3) :	4.531	4.642	4.299	.0634	
* (4) :	3.531	3.678	2.309	.0968	
* (5) :	6.105	6.208	4.086	.207	
* (6) :	6.278	5.847	4.610	.102	
* (7) :	5.338	5.461	4.968	.103	
* (8) :	5.193	4.691	4.235	.0814	

* (1) :	.037	.784	.235	.135	SKEWNESS
* (2) :	1.328	-.124	-.0919	1.165	
* (3) :	.018	.226	.139	-1.745	
* (4) :	.030	.376	-.367	-.582	
* (5) :	.328	.008	.608	.233	
* (6) :	.170	.143	.473	.555	
* (7) :	.327	-.300	.181	-.448	
* (8) :	.302	.009	.241	-.578	

* (1) :	2.318	2.882	2.307	2.834	KURTOSIS
* (2) :	5.515	2.331	2.951	3.601	
* (3) :	2.115	2.276	2.121	8.652	
* (4) :	1.866	2.218	1.966	2.990	
* (5) :	1.926	2.319	2.587	2.266	
* (6) :	2.019	3.153	2.825	3.006	
* (7) :	2.504	2.192	1.942	2.055	
* (8) :	2.206	1.887	2.095	3.107	

* (1) :	-26.685	3.790	8.501	8.393	MINIMUM
* (2) :	-29.639	8.042	19.507	8.471	
* (3) :	-13.651	4.063	6.430	8.567	
* (4) :	-11.923	-3.058	3.050	8.675	
* (5) :	-16.391	-16.340	.366	8.259	
* (6) :	-17.960	-23.814	2.032	8.433	
* (7) :	-19.612	-19.124	.374	8.446	
* (8) :	-11.336	-18.369	2.669	8.441	

* (1) :	-1.576	21.370	29.516	8.990	MAXIMUM
* (2) :	7.061	29.690	33.372	8.925	
* (3) :	5.933	24.569	24.927	8.997	
* (4) :	2.683	12.121	12.290	9.119	
* (5) :	8.355	10.258	20.794	9.098	
* (6) :	8.360	8.893	25.640	8.940	
* (7) :	5.365	4.736	21.914	8.908	
* (8) :	11.774	1.864	20.509	8.894	

***** SUBSURFACE MOORING 300m./DT *** 651,21A *** *****						
*PERIOD	EAST	NORTH	SPEED	TEMPERATURE	TDIF.	STATISTIC
*5 DAYS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	MDEG/M	

* (1)	-13.433	11.523	18.250	8.731	-3.251	MEAN
* (2)	-15.580	19.313	25.922	8.625	-3.985	
* (3)	-3.173	13.859	14.986	8.861	-3.592	
* (4)	-5.314	4.187	8.139	8.950	-3.102	
* (5)	-4.978	-2.602	9.556	8.722	-4.018	
* (6)	-6.081	-5.051	10.864	8.633	-3.510	
* (7)	-7.896	-4.785	10.905	8.716	-3.319	
* (8)	-1.450	-8.305	10.235	8.713	-4.090	

* (1)	30.645	9.867	20.678	.0109	36.820	VARIANCE
* (2)	42.350	19.076	5.228	.00782	11.232	
* (3)	19.695	19.776	17.040	.00439	16.260	
* (4)	13.082	12.848	5.455	.0106	34.769	
* (5)	39.708	36.856	16.796	.0433	30.355	
* (6)	43.794	33.934	22.197	.00987	36.742	
* (7)	30.924	28.151	25.393	.0103	17.662	
* (8)	32.147	20.687	19.143	.00641	11.990	

* (1)	5.536	3.141	4.547	.104	6.068	STANDARD DEVIATION
* (2)	6.508	4.368	2.286	.0885	3.351	
* (3)	4.438	4.447	4.128	.0663	4.032	
* (4)	3.617	3.584	2.336	.103	7.401	
* (5)	6.301	6.071	4.098	.208	5.510	
* (6)	6.618	5.825	4.711	.0993	6.062	
* (7)	5.561	5.306	5.039	.102	4.203	
* (8)	5.670	4.548	4.375	.0801	3.463	

* (1)	.087	.721	.220	.142	.030	SKEWNESS
* (2)	1.165	-.142	-.339	1.224	.610	
* (3)	.067	.131	.0802	-1.732	.553	
* (4)	.059	.416	-.304	-.401	1.466	
* (5)	.276	.027	.600	.286	.594	
* (6)	.130	.237	.456	.552	1.168	
* (7)	.245	-.323	.193	-.436	.408	
* (8)	.213	.013	.293	-.608	.164	

* (1)	2.404	3.195	2.367	2.786	14.138	KURTOSIS
* (2)	5.036	2.351	3.048	3.871	10.673	
* (3)	2.160	2.244	2.134	8.119	14.599	
* (4)	1.926	2.291	1.988	2.405	18.215	
* (5)	1.953	2.307	2.504	2.243	15.801	
* (6)	2.014	3.011	2.722	3.013	11.935	
* (7)	2.398	2.169	1.933	2.079	11.874	
* (8)	2.175	1.911	2.133	3.115	10.932	

* (1)	-25.553	5.552	9.074	8.388	-51.004	MINIMUM
* (2)	-28.224	8.280	18.790	8.455	-27.892	
* (3)	-12.888	4.377	6.687	8.556	-39.764	
* (4)	-12.223	-3.059	2.973	8.670	-57.389	
* (5)	-17.774	-16.208	1.090	8.250	-59.224	
* (6)	-18.704	-21.716	3.061	8.419	-34.316	
* (7)	-19.626	-17.998	.402	8.444	-34.229	
* (8)	-13.057	-17.345	2.658	8.439	-35.067	

* (1)	-1.070	21.870	28.961	8.981	48.117	MAXIMUM
* (2)	7.699	29.456	31.704	8.919	21.365	
* (3)	7.310	23.501	24.040	8.993	34.338	
* (4)	2.776	12.829	12.829	9.109	38.125	
* (5)	8.021	10.143	20.977	9.094	38.782	
* (6)	8.185	9.001	25.852	8.939	54.093	
* (7)	5.127	4.701	21.836	8.905	29.526	
* (8)	10.996	1.496	20.662	8.884	16.813	

***** SUBSURFACE MOORING 310m./VACM *** 651,22A *** *****						
PERIOD	EAST	NORTH	SPEED	TEMPERATURE	PRESSURE	STATISTIC
5 DAYS	CM/SEC	CM/SEC	CM/SEC	CELSIUS	DECIBARS	
(1)	-13.606	11.160	18.137	8.703	318.194	MEAN
(2)	-16.199	18.559	25.713	8.600	322.803	
(3)	-3.120	13.882	14.968	8.830	317.202	
(4)	-5.216	4.213	8.080	8.914	316.419	
(5)	-5.063	-2.506	9.367	8.700	316.667	
(6)	-6.110	-4.780	10.634	8.603	316.718	
(7)	-7.831	-4.462	10.726	8.682	316.923	
(8)	-1.774	-8.125	10.092	8.686	316.848	
(1)	30.701	9.215	20.651	.00948	3.928	VARIANCE
(2)	39.006	20.409	5.103	.00668	4.212	
(3)	18.729	20.451	17.561	.00500	1.371	
(4)	13.378	12.254	5.306	.0129	.544	
(5)	36.851	34.523	15.555	.0429	.534	
(6)	41.879	31.000	19.976	.00901	.109	
(7)	30.614	27.805	24.588	.00929	.182	
(8)	32.892	17.904	18.116	.00566	.290	
(1)	5.541	3.036	4.544	.0974	1.982	STANDARD DEVIATION
(2)	6.245	4.518	2.259	.0817	2.052	
(3)	4.328	4.522	4.191	.0707	1.171	
(4)	3.658	3.501	2.303	.113	.738	
(5)	6.071	5.876	3.944	.207	.730	
(6)	6.471	5.568	4.469	.0949	.330	
(7)	5.533	5.273	4.959	.0964	.389	
(8)	5.735	4.231	4.256	.0753	.538	
(1)	.118	.628	.122	-.0541	1.846	SKEWNESS
(2)	1.335	-.088	-.215	1.282	.582	
(3)	.023	.175	.140	-1.776	1.233	
(4)	.033	.352	-.273	-.183	.276	
(5)	.257	.060	.633	.332	-.168	
(6)	.159	.320	.501	.653	-.146	
(7)	.242	-.278	.243	-.463	.290	
(8)	.193	.045	.296	-.651	-.094	
(1)	2.341	2.736	2.305	3.121	5.792	KURTOSIS
(2)	5.536	2.408	3.005	4.324	3.589	
(3)	2.123	2.370	2.164	7.809	4.151	
(4)	1.902	2.331	1.940	1.860	2.160	
(5)	1.981	2.249	2.506	2.207	2.059	
(6)	2.093	2.991	2.899	3.115	3.053	
(7)	2.333	2.232	2.004	2.065	3.115	
(8)	2.210	2.014	2.209	2.941	1.857	
(1)	-24.896	5.615	8.587	8.371	316.037	MINIMUM
(2)	-27.606	7.276	19.184	8.432	318.463	
(3)	-12.702	4.080	6.579	8.518	315.691	
(4)	-12.192	-3.961	2.905	8.660	315.171	
(5)	-17.614	-15.332	.675	8.237	315.124	
(6)	-20.249	-19.821	2.800	8.427	315.880	
(7)	-19.597	-17.543	.432	8.473	316.163	
(8)	-13.316	-17.062	1.617	8.440	315.801	
(1)	-.664	19.878	28.212	8.956	325.047	MAXIMUM
(2)	6.654	28.566	31.729	8.889	329.110	
(3)	6.410	24.175	24.560	8.970	321.219	
(4)	2.626	12.774	12.799	9.089	318.258	
(5)	7.992	9.750	19.922	9.069	318.101	
(6)	7.689	9.688	26.567	8.895	317.659	
(7)	4.811	4.980	22.004	8.863	318.274	
(8)	11.150	1.517	20.604	8.823	317.785	

```

*****
* SUBSURFACE MOORING 1000m./DT *** 651,23C ***
* PERIOD : EAST NORTH SPEED TEMPERATURE : STATISTIC
* 5 DAYS : CM/SEC CM/SEC CM/SEC CELSIUS
*
* (1) : -5.040 4.146 10.504 6.624
* (2) : -5.391 7.196 10.706 6.606
* (3) : -1.665 4.455 8.111 6.842
* (4) : -6.189 .316 9.295 7.207
* (5) : -6.181 -2.903 10.219 7.209
* (6) : -1.941 -2.545 6.897 7.176
* (7) : -4.770 -3.928 8.856 7.254
* (8) : -2.728 -6.813 9.234 7.203
*
* (1) : 30.839 55.319 18.420 .0104
* (2) : 16.274 31.194 13.695 .0136
* (3) : 22.443 46.526 25.793 .0243
* (4) : 18.640 46.687 17.329 .00608
* (5) : 16.941 55.926 15.072 .0124
* (6) : 16.499 28.193 7.367 .0106
* (7) : 25.198 34.178 19.133 .0106
* (8) : 16.871 35.009 20.464 .00892
*
* (1) : 5.553 7.438 4.292 .102
* (2) : 4.034 5.585 3.701 .117
* (3) : 4.737 6.821 5.079 .156
* (4) : 4.317 6.833 4.163 .0780
* (5) : 4.116 7.478 3.882 .111
* (6) : 4.062 5.310 2.714 .103
* (7) : 5.020 5.846 4.374 .103
* (8) : 4.107 5.917 4.524 .0944
*
* (1) : .360 -.047 .257 -.141
* (2) : -.205 -.296 -.0833 -.195
* (3) : -.273 .439 .796 -.301
* (4) : .179 -.165 -.0919 -.503
* (5) : .073 .113 .437 .173
* (6) : .106 -.081 .519 1.109
* (7) : -.351 .083 .313 -.00808
* (8) : .042 .384 .203 .350
*
* (1) : 2.823 2.530 2.506 2.431
* (2) : 2.533 2.625 2.988 2.404
* (3) : 2.739 2.288 2.534 2.348
* (4) : 2.349 2.046 1.835 3.183
* (5) : 2.812 2.173 2.777 2.989
* (6) : 2.185 2.195 2.847 3.976
* (7) : 2.305 2.618 2.063 2.946
* (8) : 2.306 2.169 1.797 3.196
*
* (1) : -16.569 -14.612 2.000 6.335
* (2) : -16.473 -7.461 1.653 6.290
* (3) : -17.157 -9.301 2.000 6.419
* (4) : -15.888 -13.994 2.000 6.964
* (5) : -17.700 -20.194 2.120 6.909
* (6) : -11.619 -16.241 2.021 6.935
* (7) : -16.837 -17.826 2.120 6.959
* (8) : -13.625 -17.625 2.201 6.916
*
* (1) : 9.674 21.490 22.113 6.847
* (2) : 3.726 19.865 21.299 6.870
* (3) : 9.569 20.436 22.845 7.204
* (4) : 4.642 13.240 17.829 7.393
* (5) : 4.868 13.203 22.315 7.532
* (6) : 8.514 8.890 16.825 7.544
* (7) : 5.621 12.560 19.506 7.514
* (8) : 8.623 6.565 19.140 7.486
*****

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0 50 100
KILOMETERS
6522B1HA

78- VII-30 TO 78- IX -06

652381HA

78- VII-30 TO 78- IX -06

78- VII-31 TO 78- IX -06

0 50
KILOMETERS

6532B1H

17 M

78- VII-31 TO 78- IX -06

0 50
KILOMETERS
6524B1HA

78- VII-30 TO 78- IX -06

652681HA

78- VII-30 TO 78- IX -06

N

0 50
KILOMETERS

652781HA

78- VII-30 TO 78- IX -J6

0 50
KILOMETERS
6529B1HA

78- VII-30 TO 78- IX -06

0 50
KILOMETERS
6511A1H
79 M
78- VII-20 TO 78- IX -07

0 50
KILOMETERS

6536B1H

79 M

79- VII-31 TO 79- IX -06

0 50
KILOMETERS
6512B1H
82 M
78- VII-28 TO 78- IX -07

0 50
KILOMETERS

653701H

82 M
78- VII-31 TO 78- IX -06

N

0 50
KILOMETERS

6513B1H

85 M

76- VII-20 TO 76- IX -07

652, 12B1HA

78- VII-30 TO 78- IX -06

0 50
KILOMETERS

6515C1H

91 M

78- VII-28 TO 78- IX -07

0 50
KILOMETERS

6516F1H

84 M

78- VII-29 TO 78- IX -07

0 50
KILOMETERS

6519A1H

103 M

78- VII-29 TO 78- IX -07

N

0 50
KILOMETERS

651,10C1H

106 M

78- VII-29 TO 78- IX -07

651,1381H

115 M

78- VII-29 TO 78- IX -07

0 50
KILOMETERS

651,1481H

118 M

78- VII-28 TO 78- IX -07

N

0 50
KILOMETERS

651,16A1H

124 M

78- VII-28 TO 78- IX -07

0 50
KILOMETERS

651,17A1H

185 M

78- VII-28 TO 78- IX -07

0 50
KILOMETERS

651,18A1H

200 M

78- VII-29 TO 78- IX -07

0 50
KILOMETERS

651,20A1H

295 M

78- VII-28 TO 78- IX -07

0 50
KILOMETERS

651,21A1H

300 M

78- VII-28 TO 78- IX -07

0 50
KILOMETERS

651,22A1H
310 M

79- V11-29 TO 78- IX -07

AUTO SPECTRUM
65238120A EAST COMP.
65238120A NORTH COMP.

78-VII-30 TO 78-IX-02
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65228120A EAST COMP.
65228120A NORTH COMP.

78-VII-30 TO 78-IX-02
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

Note: position 6521 at 5m.
has speed variable only.

AUTO SPECTRUM
65310 EAST COMP.
65310 NORTH COMP.
15 METERS
78-VII-21 TO 78-IX-09
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65310 TEMPERATURE
65310 15 METERS
78-VII-31 TO 78-IX-02
2 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65310 PRESS
65310 15 METERS
78-VII-31 TO 78-IX-02
2 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65328112.5 TEMPERATURE
17 METERS
78-VII-31 TO 78-VIII-31
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65328112.5 EAST
17 METERS
78-VII-31 TO 78-VIII-31
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65248120A EAST COMP.
65248120A NORTH COMP.

78-VII-30 TO 78-IX-C2
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65258120A EAST COMP.
65258120A NORTH COMP.

78-VII-30 TO 78-IX-C2
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65268120A EAST COMP.
65268120A NORTH COMP.

78-VII-30 TO 78-IX-C2
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65278120A EAST COMP.
65278120A NORTH COMP.

78-VII-30 TO 78-JX-02
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
65298120A EAST COMP.
65298120A NORTH COMP.

78-VII-30 TO 78-IX-02
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

Note: position 6528 at 60m.
has no data.

AUTO SPECTRUM
 8511A112.5 EAST COMP.
 8511A112.5 NORTH COMP.
 79 METERS
 78-VII-29 TO 78-VIII-30
 3 PIECES WITH 4000 ESTIMATES
 PER PIECE. AVERAGED OVER
 3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
 6511A112.5 TEMPERATURE
 79 METERS
 78-VII-29 TO 78-VIII-30
 3 PIECES WITH 4000 ESTIMATES
 PER PIECE. AVERAGED OVER
 3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
 6511A112.5 TOIF
 79 METERS
 78-VII-29 TO 78-VIII-30
 3 PIECES WITH 4000 ESTIMATES
 PER PIECE. AVERAGED OVER
 3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
652.10A112.5 TEMPERATURE
79 METERS
78-VII-30 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
652.10A112.5 EAST
652.10A112.5 NORTH
79 METERS
78-VII-30 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
85368112.5 TOIF
79 METERS
78-VII-31 TO 78-VIII-31
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
85368112.5 TEMPERATURE
79 METERS
78-VII-31 TO 78-VIII-31
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
85368112.5 EAST
85368112.5 NORTH
79 METERS
78-VII-31 TO 78-VIII-31
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8512C112.5 EAST COMP.
8512C112.5 NORTH COMP.
82 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8512C112.5 TEMPERATURE
82 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8512C112.5 TOIF
82 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
85138112.5 PRESSURE
85 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

85138112.5 TEMPERATURE
85 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
85138112.5 EAST COMP.
85138112.5 NORTH COMP.
85 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

SURFACE MOORING/

AUTO SPECTRUM
652.128120R EAST COMP.
652.128120R NORTH COMP.

78-VII-30 TO 78-IX-02
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8515C112.5 EAST COMP.
8515C112.5 NORTH COMP.
91 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8515C112.5 TEMPERATURE
81 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8515C112.5 TDIF
81 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8516F112.5 TEMPERATURE
94 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8516F112.5 EAST COMP.
8516F112.5 NORTH COMP.
94 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
6518A112.5 EAST COMP.
6518A112.5 NORTH COMP.
100 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
6518A112.5 TEMPERATURE
100 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
6518A112.5 TOIF
100 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8519A112.5 EAST COMP.
8519A112.5 NORTH COMP.
103 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
6519A112.5 TEMPERATURE
103 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
8519A112.5 TOIF
103 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
851, 10C112.5 TEMPERATURE
108 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
851, 10C112.5 EAST COMP.
851, 10C112.5 NORTH COMP.
108 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.12A112.5 TEMPERATURE
112 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.12A112.5 EAST COMP.
651.12A112.5 NORTH COMP.
112 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.12A112.5 TOIF
112 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.138112.5 TEMPERATURE
115 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
851.138112.5 EAST COMP.
851.138112.5 NORTH COMP.
115 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.148112.5 TEMPERATURE
118 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.148112.5 EAST COMP.
651.148112.5 NORTH COMP.
118 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
851.15C112.5 EAST COMP.
851.15C112.5 NORTH COMP.
121 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
851.15B112.5 TEMPERATURE
121 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
851.15B112.5 TOIF
121 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.16A112.5 EAST COMP.
651.16A112.5 NORTH COMP.
124 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.16A112.5 TEMPERATURE
124 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.16A112.5 TOIF
124 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.17A112.5 EAST COMP.
651.17A112.5 NORTH COMP.
185 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.17A112.5 TEMPERATURE
185 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.17A112.5 TOIF
185 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.18A112.5 EAST COMP.
651.18A112.5 NORTH COMP.
200 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.18A112.5 TEMPERATURE
200 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.18A112.5 TOIF
200 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.19A112.5 TEMPERATURE
210 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.19A112.5 EAST COMP.
651.19A112.5 NORTH COMP.
210 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.20R112.5 TEMPERATURE
295 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.20R112.5 EAST COMP.
651.20R112.5 NORTH COMP.
295 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.21A112.5 EAST COMP.
651.21A112.5 NORTH COMP.
300 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.21A112.5 TEMPERATURE
300 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.21A112.5 TOIF
300 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.22A112.5 PRESSURE
310 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.22A112.5 TEMPERATURE
310 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.22A112.5 EAST COMP.
651.22A112.5 NORTH COMP.
310 METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.23C112.5 TEMPERATURE
1000METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
651.23C112.5 EAST COMP.
651.23C112.5 NORTH COMP.
1000METERS
78-VII-29 TO 78-VIII-30
3 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

DATA 6520WD DEPTH OM. SURFACE MOORING
WIND

DATA 6520WD CONTINUED

DATA 6520SB

WIND RECORD

DATA H2S1B

WIND RECORD

DATA H2S2B

WIND RECORD

DEPTH -0- M.

6520WD

040329

0-0-11930

040329 0414

6520WD

WIND

6520SB120A

WIND

H2S1B120A

WIND

H2S2B120A

WIND

DATA/ 6520WD

STATS12

VARIABLE *	EAST M/SEC	NORTH M/SEC	SPEED M/SEC	WATER TEMP. CELSIUS	AIR TEMP. CELSIUS	SOLAR RAD. W-HR/M**2	BAR. PRESS. MILLIBARS
MEAN	1.057	.822	7.242	12.823	12.476	2783.098	1014.205
STD. ERR.	.893E-1	.919E-1	.504E-1	.664E-2	.109E-1	64.145	.156
VARIANCE	29.101	30.826	9.275	.161	.434	15010068.150	88.874
STD. DEV.	5.394	5.552	3.045	.401	.659	3874.283	9.427
KURTOSIS	2.317	2.557	2.403	2.558	2.989	5.484	2.464
SKEWNESS	-.165	.353	.235	.902E-1	.979E-1	1.697	.194
MINIMUM	-12.496	-12.734	.106	11.895	10.085	.773	993.787
MAXIMUM	15.648	15.774	16.972	13.957	14.295	20953.211	1033.838

```

*****
EAST & NORTH
*****
COVARIANCE      =
STD. ERR. OF COVARIANCE =
STD. DEV. OF COVARIANCE =
CORRELATION COEFFICIENT =
VECTOR MEAN      =
VECTOR VARIANCE  =
VECTOR STD. DEV. =

*****
* SAMPLE SIZE = 3648 POINTS
*
* SPANNING RANGE
* FROM 78- VII-30 17.07.30
* TO 78- IX -06 17.52.30
*
* DURATION 38.03 DAYS
    
```

JOB END / 20:39 JAN 05, '79

DATA/ 6520SB120A

WIND

```
*****
VARIABLE *      EAST      NORTH      SPEED
UNITS *      M/SEC      M/SEC      M/SEC
*****
MEAN      "      -1.210      -.561      5.779
STD. ERR. "      .328E-1      .427E-1      .208E-1
VARIANCE  "      13.796      23.349      5.527
STD. DEV. "      3.714      4.832      2.351
KURTOSIS  "      2.496      1.952      2.813
SKEWNESS  "      -.116E-1      .112      .582
MINIMUM   "      -10.582      -12.550      .673E-1
MAXIMUM   "      9.218      10.287      12.609
```

```
*****
EAST & NORTH
*****
COVARIANCE      "      -4.789      * SAMPLE SIZE = 12810 POINTS
STD. ERR. OF COVARIANCE      "      .173      *
STD. DEV. OF COVARIANCE      "      19.604      * SPANNING RANGE
CORRELATION COEFFICIENT      "      -.267      * FROM 78-VII-30 14.30.00
VECTOR MEAN      "      1.333      * TO 78-VIII-17 09.28.00
VECTOR VARIANCE   "      18.573      *
VECTOR STD. DEV.  "      4.310      * DURATION 17.79 DAYS
```

DATA/ H2S1B120A

```
*****
VARIABLE *      EAST      NORTH      SPEED
UNITS *      M/SEC      M/SEC      M/SEC
*****
MEAN      "      -.159      .289      5.767
STD. ERR. "      .283E-1      .349E-1      .140E-1
VARIANCE  "      14.598      22.107      3.553
STD. DEV. "      3.821      4.702      1.885
KURTOSIS  "      2.270      1.861      3.023
SKEWNESS  "      .976E-1      .129      .366
MINIMUM   "      -10.544      -10.276      .768E-1
MAXIMUM   "      10.091      12.250      12.403
```

```
*****
EAST & NORTH
*****
COVARIANCE      "      -1.003      * SAMPLE SIZE = 18180 POINTS
STD. ERR. OF COVARIANCE      "      .116      *
STD. DEV. OF COVARIANCE      "      15.635      * SPANNING RANGE
CORRELATION COEFFICIENT      "      -.558E-1      * FROM 78-VII-16 16.30.00
VECTOR MEAN      "      .330      * TO 78-VIII-10 22.28.00
VECTOR VARIANCE   "      18.353      *
VECTOR STD. DEV.  "      4.284      * DURATION 25.25 DAYS
```

DATA/ H2S2B120A

```
*****
VARIABLE *      EAST      NORTH      SPEED
UNITS *      M/SEC      M/SEC      M/SEC
*****
MEAN      "      4.037      1.004      5.660
STD. ERR. "      .488E-1      .411E-1      .280E-1
VARIANCE  "      10.657      7.574      3.509
STD. DEV. "      3.264      2.752      1.873
KURTOSIS  "      2.870      2.486      2.385
SKEWNESS  "      -.884      .125      .143
MINIMUM   "      -3.897      -5.474      .768
MAXIMUM   "      10.305      8.494      10.752
```

```
*****
EAST & NORTH
*****
COVARIANCE      "      -.168      * SAMPLE SIZE = 4480 POINTS
STD. ERR. OF COVARIANCE      "      .195      *
STD. DEV. OF COVARIANCE      "      13.056      * SPANNING RANGE
CORRELATION COEFFICIENT      "      -.186E-1      * FROM 78-VIII-26 18.09.00
VECTOR MEAN      "      4.160      * TO 78-IX-01 23.27.00
VECTOR VARIANCE   "      9.115      *
VECTOR STD. DEV.  "      3.019      * DURATION 6.22 DAYS
```

***** 6520W *****							
*PERIOD :	EAST	NORTH	SPEED	AIR	WATER	BAROMETRIC	STATISTIC
*5 DAYS :	M/SEC	M/SEC	M/SEC	TEMPERATURE	TEMPERATURE	PRESSURE	
				CELSIUS	CELSIUS	DECIBARS	

* (1) :	.162	-2.328	5.420	13.465	12.420	1017.744	MEAN
* (2) :	-1.967	-5.371	6.167	13.127	11.894	1014.925	
* (3) :	-3.489	5.703	7.954	13.040	12.689	1013.884	
* (4) :	1.122	3.575	8.278	13.021	12.817	1001.649	
* (5) :	6.784	5.003	10.542	12.385	12.495	1008.759	
* (6) :	5.643	-1.106	5.951	12.417	12.488	1027.988	
* (7) :	4.000	-1.427	5.956	12.575	12.448	1020.291	
* (8) :	-5.635	2.559	7.472	12.590	12.574	1007.128	

* (1) :	12.236	12.977	1.287	.043	.430	17.273	VARIANCE
* (2) :	3.598	5.492	3.777	.022	.286	5.464	
* (3) :	14.887	10.323	6.651	.011	.731	30.799	
* (4) :	14.691	56.229	16.432	.011	.616	38.435	
* (5) :	16.496	26.562	2.970	.049	.268	73.753	
* (6) :	4.976	1.955	4.576	.057	.084	15.737	
* (7) :	11.414	12.053	6.028	.009	.183	18.884	
* (8) :	24.424	5.336	12.227	.041	.343	19.385	

* (1) :	3.498	3.602	1.134	.209	.656	4.156	STANDARD DEVIATION
* (2) :	1.897	2.343	1.944	.148	.535	2.338	
* (3) :	3.858	3.213	2.579	.107	.855	5.550	
* (4) :	3.833	7.499	4.054	.109	.785	6.200	
* (5) :	4.062	5.154	1.723	.222	.517	8.588	
* (6) :	2.231	1.398	2.139	.240	.291	3.967	
* (7) :	3.379	3.472	2.455	.097	.428	4.346	
* (8) :	4.942	2.310	3.497	.204	.585	4.403	

* (1) :	.039	.460	.522	.101	.058	.537	SKEWNESS
* (2) :	.494	.230	.0845	.656	.010	.257	
* (3) :	.767	-1.065	.181	1.139	.821	-1.089	
* (4) :	.262	.283	.143	.155	.492	.547	
* (5) :	.909	.017	.542	.365	.351	.328	
* (6) :	.476	.403	.444	.316	.085	.137	
* (7) :	.872	.123	.289	.411	.415	.0588	
* (8) :	.513	.222	.255	1.385	.015	.0318	

* (1) :	1.780	2.028	3.101	2.597	2.266	1.588	KURTOSIS
* (2) :	2.825	2.209	2.651	2.518	2.114	2.033	
* (3) :	2.627	3.987	1.729	4.602	2.546	3.799	
* (4) :	2.642	2.088	1.779	4.088	3.285	2.031	
* (5) :	2.526	1.707	2.984	1.827	2.674	1.576	
* (6) :	2.755	2.932	2.600	2.013	2.743	1.621	
* (7) :	2.692	2.058	2.153	2.575	2.775	2.144	
* (8) :	2.259	2.199	1.978	4.729	2.811	1.388	

* (1) :	-7.164	-8.223	2.558	13.046	10.869	1011.086	MINIMUM
* (2) :	-7.268	-11.074	1.601	12.880	10.441	1011.283	
* (3) :	-9.551	-4.201	2.400	12.840	10.618	999.080	
* (4) :	-6.989	-12.734	.106	12.717	10.085	993.787	
* (5) :	-4.268	-4.327	6.686	11.895	11.139	993.898	
* (6) :	.573	-5.488	1.543	11.982	11.606	1021.572	
* (7) :	-4.821	-9.179	.555	12.386	11.512	1011.985	
* (8) :	-12.496	-3.083	.316	12.381	10.915	1000.457	

* (1) :	6.262	5.796	8.815	13.957	13.883	1022.466	MAXIMUM
* (2) :	1.611	.096	11.924	13.533	12.922	1020.130	
* (3) :	5.266	10.775	12.137	13.384	14.016	1020.829	
* (4) :	15.648	14.181	16.972	13.339	14.107	1013.659	
* (5) :	13.889	15.774	16.049	12.722	13.613	1021.859	
* (6) :	11.191	1.713	11.197	12.871	13.286	1033.838	
* (7) :	9.152	4.894	10.687	12.835	13.564	1028.480	
* (8) :	5.877	8.255	12.766	13.379	14.295	1013.237	

*** 6520S WIND ***				STATISTIC
PERIOD	EAST	NORTH	SPEED	
5 DAYS	M/SEC	M/SEC	M/SEC	
(1)	.003	1.885	4.356	MEAN
(2)	1.668	4.881	5.608	
(3)	4.067	4.742	7.456	
(4)	2.111	.292	5.403	
(5)				
(6)				
(7)				
(8)				
(1)	7.354	9.476	1.407	VARIANCE
(2)	3.405	4.147	2.698	
(3)	14.775	8.120	6.333	
(4)	10.752	20.792	6.898	
(5)				
(6)				
(7)				
(8)				
(1)	2.712	3.078	1.186	STANDARD DEVIATION
(2)	1.845	2.036	1.643	
(3)	3.844	2.850	2.517	
(4)	3.279	4.560	2.626	
(5)				
(6)				
(7)				
(8)				
(1)	.130	.309	.715	SKEWNESS
(2)	.415	.311	.111	
(3)	.743	1.126	.0857	
(4)	.301	.926	.461	
(5)				
(6)				
(7)				
(8)				
(1)	1.820	1.955	2.767	KURTOSIS
(2)	2.862	2.306	2.542	
(3)	2.561	4.378	1.715	
(4)	2.250	3.198	3.071	
(5)				
(6)				
(7)				
(8)				
(1)	6.462	7.518	1.260	MINIMUM
(2)	7.300	9.442	1.475	
(3)	10.582	5.753	2.020	
(4)	6.036	12.550	.0673	
(5)				
(6)				
(7)				
(8)				
(1)	5.536	5.096	7.981	MAXIMUM
(2)	2.733	.487	9.525	
(3)	5.240	10.287	12.180	
(4)	9.218	6.926	12.609	
(5)				
(6)				
(7)				
(8)				

***** H2 WIND *****				
PERIOD	EAST	NORTH	SPEED	STATISTIC
5 DAYS	M/SEC	M/SEC	M/SEC	
(1)	-0.025	-0.667	4.331	MEAN
(2)	-2.233	-4.544	5.538	
(3)	-4.113	3.945	6.423	
(4)				
(5)				
(6)	4.407	0.980	5.243	
(7)	3.829	1.018	5.894	
(8)				
(1)	7.817	12.015	1.521	VARIANCE
(2)	2.884	4.985	2.835	
(3)	1.280	12.581	5.088	
(4)				
(5)				
(6)	3.778	5.768	2.437	
(7)	14.417	8.592	3.960	
(8)				
(1)	2.796	3.466	1.233	STANDARD DEVIATION
(2)	1.698	2.233	1.684	
(3)	1.131	3.547	2.256	
(4)				
(5)				
(6)	1.944	2.402	1.561	
(7)	3.797	2.931	1.990	
(8)				
(1)	-0.194	0.190	0.319	SKEWNESS
(2)	-0.278	0.495	-0.0666	
(3)	0.414	-0.255	0.242	
(4)				
(5)				
(6)	-0.783	-0.395	-0.321	
(7)	-0.698	0.284	-0.232	
(8)				
(1)	1.679	1.895	2.469	KURTOSIS
(2)	2.252	2.471	2.692	
(3)	2.984	1.759	1.734	
(4)				
(5)				
(6)	2.974	2.180	2.325	
(7)	2.180	2.457	2.291	
(8)				
(1)	-6.409	-7.247	1.567	MINIMUM
(2)	-6.719	-9.333	0.937	
(3)	-7.009	-4.006	2.200	
(4)				
(5)				
(6)	-0.791	-4.912	0.982	
(7)	-3.897	-5.474	0.788	
(8)				
(1)	5.296	8.062	8.886	MAXIMUM
(2)	2.137	1.396	9.577	
(3)	-0.353	10.039	11.246	
(4)				
(5)				
(6)	7.723	5.596	8.626	
(7)	10.305	8.494	10.752	
(8)				

WIND RECORD

DEPTH -0- M.

6520WD1H

0 M

78- VII-31 TO 78- IX -08

AUTO SPECTRUM
652040 EAST (W)
652040 NORTH (W)

78-VII-29 TO 78-IX-06
1 PIECES WITH 1875 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
652040 WATER TEMP.

78-VII-30 TO 78-IX-06
1 PIECES WITH 1800 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
652040 AIR TEMP.

78-VII-30 TO 78-IX-06
1 PIECES WITH 1800 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
6520WD BAR. PRESS.
WIND

78-VII-30 TO 78-IX-06
1 PIECES WITH 1800 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
6520WD SOLAR RAD.
WIND

78-VII-30 TO 78-IX-06
1 PIECES WITH 1800 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

WIND

AUTO SPECTRUM
652098120R EAST COMP.
652098120R NORTH COMP.
WIND

78-VII-30 TO 78-VIII-10
1 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
H2518120R EAST COMP.
H2518120R NORTH COMP.
WIND

78-VII-16 TO 78-VIII-07
2 PIECES WITH 4000 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

AUTO SPECTRUM
H2528120R EAST COMP.
H2528120R NORTH COMP.
WIND

78-VIII-26 TO 78-IX-01
1 PIECES WITH 2187 ESTIMATES
PER PIECE. AVERAGED OVER
3 ADJACENT FREQUENCY BANDS

1. The first section of the report is a general description of the project and the objectives of the study. It includes a brief history of the project and a statement of the problem to be solved.

2. The second section of the report is a description of the methodology used in the study. It includes a description of the data collection methods and the statistical methods used to analyze the data.

3. The third section of the report is a description of the results of the study. It includes a description of the data and the statistical results, and a discussion of the implications of the findings.

DATA INDEX

				PAGE NUMBERS					
DEPTH	MOORING*	INSTRUMENT	DATA NAME	TIME SERIES	HISTOGRAM	STATISTICS	FIVE-DAY STATISTICS	PROGRESSIVE VECTORS	SPECTRA
5 m	surface	VMCM	6521	1	37	72	81	--	--
10 m	surface	VMCM	6522	2	38	72	82	117	151
15 m	surface	VMCM	6523	3	39	72	83	118	151
15 m	spar	ACM	6531	4	40	72	84	119	152
17 m	spar	VACM	6532	5	41	72	86	120	153
20 m	surface	VMCM	6524	6	42	73	87	121	154
30 m	surface	VMCM	6525	7	43	73	88	122	154
40 m	surface	VMCM	6526	8	44	73	89	123	154
50 m	surface	VMCM	6527	9	45	73	90	124	155
70 m	surface	VMCM	6529	10	46	74	91	125	155
79 m	subsurface	VACM-DT	6511	11	47	74	92	126	156
79 m	surface	VACM	652,10	12	48	74	93	127	157
79 m	spar	VACM-DT	6536	13	49	74	94	128	158
82 m	subsurface	VACM-DT	6512	14	50	75	95	129	159
82 m	spar	ACM	6537	15	51	75	96	130	160
85 m	subsurface	VACM-P	6513	16	52	75	97	131	161
85 m	surface	VMCM	652,12	17	53	75	98	132	162
91 m	subsurface	VACM-DT	6515	18	54	76	99	133	163
94 m	subsurface	VACM	6516	19	55	76	100	134	164
97 m	subsurface	VACM	6517	20	56	76	101	135	165
100 m	subsurface	VACM-DT	6518	21	57	76	102	136	166
103 m	subsurface	VACM-DT	6519	22	58	77	103	137	167
106 m	subsurface	VACM	651,10	23	59	77	104	138	168
112 m	subsurface	VACM-DT	651,12	24	60	77	105	139	169
115 m	subsurface	VACM	651,13	25	61	77	106	140	170
118 m	subsurface	VACM	651,14	26	62	78	107	141	171
121 m	subsurface	VACM-DT	651,15	27	63	78	108	142	172
124 m	subsurface	VACM-DT	651,16	28	64	78	109	143	173
195 m	subsurface	VACM-DT	651,17	29	65	78	110	144	174
200 m	subsurface	VACM-DT	651,18	30	66	79	111	145	175
210 m	subsurface	VACM	651,19	31	67	79	112	146	176
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300 m	subsurface	VACM-DT	651,21	33	69	80	114	148	178
310 m	subsurface	VACM-P	651,22	34	70	80	115	149	179
1000 m	subsurface	VACM-DT	651,23	35	71	80	116	150	180
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	surface	VMWR	6520S	183	187	191	193	196	199
	surface	VMWR	H2S1	184	188	191	194	196	199
	surface	VMWR	H2S2	184	189	191	194	196	199

* subsurface = 651/W1, surface = 652/W2, spar = 653/W3

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February 1985

Technical Report

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