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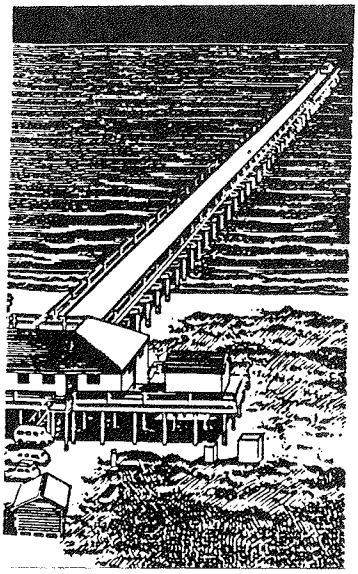

MISCELLANEOUS PAPER CERC-89-16

SUPERDUCK NEARSHORE PROCESSES EXPERIMENT DATA SUMMARY CERC FIELD RESEARCH FACILITY

by

William A. Birkemeier, Clifford F. Baron, Michael W. Leffler
Kent K. Hathaway, Herman C. Miller, John B. Strider, Jr.

Coastal Engineering Research Center

DEPARTMENT OF THE ARMY
Waterways Experiment Station, Corps of Engineers
3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199

November 1989

Final Report

Approved For Public Release; Distribution Unlimited

Prepared for DEPARTMENT OF THE ARMY
US Army Corps of Engineers
Washington, DC 20314-1000

Under Field Research Facility Measurements and Analysis Work Unit 32525

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Unclassified
SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION Unclassified	1b. RESTRICTIVE MARKINGS
2a. SECURITY CLASSIFICATION AUTHORITY	3. DISTRIBUTION / AVAILABILITY OF REPORT Approved for public release; distribution unlimited.
2b. DECLASSIFICATION / DOWNGRADING SCHEDULE	
4. PERFORMING ORGANIZATION REPORT NUMBER(S) Miscellaneous Paper CERC-89-16	5. MONITORING ORGANIZATION REPORT NUMBER(S)
6a. NAME OF PERFORMING ORGANIZATION USAEWES, Coastal Engineering Research Center 6b. OFFICE SYMBOL (If applicable)	7a. NAME OF MONITORING ORGANIZATION
6c. ADDRESS (City, State, and ZIP Code) 3909 Halls Ferry Road Vicksburg, MS 39180-6199	7b. ADDRESS (City, State, and ZIP Code)
8a. NAME OF FUNDING / SPONSORING ORGANIZATION US Army Corps of Engineers 8b. OFFICE SYMBOL (If applicable)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER
8c. ADDRESS (City, State, and ZIP Code) Washington, DC 20314-1000	10. SOURCE OF FUNDING NUMBERS PROGRAM ELEMENT NO. / PROJECT NO. / TASK NO. / WORK UNIT ACCESSION NO.

11. TITLE (Include Security Classification)
SUPERDUCK Nearshore Processes Experiment Data Summary, CERC Field Research Facility

12. PERSONAL AUTHOR(S)
see reverse

13a. TYPE OF REPORT	13b. TIME COVERED	14. DATE OF REPORT (Year, Month, Day)	15. PAGE COUNT
Final report	FROM _____ TO _____	November 1989	120

16. SUPPLEMENTARY NOTATION
Available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)	
FIELD	GROUP	SUB-GROUP	Nearshore processes	Surf zone processes
			Nearshore waves	Nearshore field data
			Nearshore morphology	

19. ABSTRACT (Continue on reverse if necessary and identify by block number)

During September and October 1986, the US Army Engineer Waterways Experiment Station's Coastal Engineering Research Center (CERC) hosted SUPERDUCK, a nearshore processes experiment, at its Field Research Facility located at Duck, North Carolina. The objectives of SUPERDUCK were to develop an improved understanding of coastal processes (currents, waves, sediment transport, and nearshore geomorphology) under a wide variety of conditions and to collect data essential to the development of improved numerical models of coastal phenomena.

Critical to the success of SUPERDUCK was the collection of a basic suite of bathymetric surveys and instrument measurements by CERC's Field Research Facility. The measurements included nearshore current, tide, incident directional wave, and meteorological data. In addition, a series of 14 surveys of the bathymetry in the experiment area was collected.

(Continued)

20. DISTRIBUTION / AVAILABILITY OF ABSTRACT ☒ UNCLASSIFIED/UNLIMITED ☐ SAME AS RPT. ☐ DTIC USERS	21. ABSTRACT SECURITY CLASSIFICATION Unclassified
22a. NAME OF RESPONSIBLE INDIVIDUAL	22b. TELEPHONE (Include Area Code) / 22c. OFFICE SYMBOL

DD FORM 1473, 84 MAR — 83 APR edition may be used until exhausted. All other editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE
Unclassified

12. PERSONAL AUTHOR(S) CContinued).

Birkemeier, William A.; Baron, Clifford F.; Leffler, Michael W.; Hathaway, Kent K.; Miller, Herman C.; Strider, John B., Jr.

19. ABSTRACT (Continued).

This report describes the specific instruments used and summarizes the data from 24 instruments with plots and tables of the mean values for each collection period.

PREFACE

The study herein was authorized by the US Army Corps of Engineers (USACE), Coastal Engineering Area of Civil Works Research and Development. Work was performed under the Field Research Facility (FRF) Analysis Work Unit 32525, Coastal Flooding and Storm Protection Program, at the Coastal Engineering Research Center (CERC) of the US Army Engineer Waterways Experiment Station (WES). Technical monitors were Messrs. John H. Lockhart, Jr., John G. Housley, James E. Crews, and Charles W. Hummer, OCE. CERC Program Manager was Dr. C. Linwood Vincent.

To be successful, SUPERDUCK required a small army of dedicated individuals. Critical to this large effort were the members of the FRF staff which, in addition to the authors, included Messrs. Eugene W. Bichner, William E. Grogg, Jr., Curt Mason, and Brian L. Scarborough and Mses. Deborah R. Heibel and Harriet M. Klein. Mr. Peter A. Howd and Dr. Joan Oltman-Shay helped with the collection and editing of the longshore current meter data.

The report was prepared under direct supervision of Thomas W. Richardson, Chief, Engineering Development Division, and under general supervision of Dr. James R. Houston and Mr. Charles C. Calhoun, Jr., Chief and Assistant Chief, CERC, respectively. This report was edited by Ms. Shirley A. J. Hanshaw, Information Products Division, Information Technology Laboratory, WES.

Commander and Director of WES during publication of this report was COL Larry B. Fulton, EN. Dr. Robert W. Whalin was Technical Director.

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SUPERDUCK NEARSHORE PROCESSES EXPERIMENT

DATA SUMMARY

CERC FIELD RESEARCH FACILITY

Introduction

1. In September and October 1986, the US Army Waterways Experiment Station's (WES's) Coastal Engineering Research Center (CERC) hosted SUPERDUCK, a large nearshore processes experiment at its Field Research Facility (FRF) in Duck, North Carolina (Figure 1). The objectives of the SUPERDUCK experiment were to develop an improved understanding of coastal processes (currents, waves, sediment transport, and nearshore geomorphology) under a wide variety of conditions and to collect data essential to the development of improved numerical models of coastal phenomena. In addition to investigators from CERC, engineers and scientists from 6 other government agencies, 15 Corps of Engineers district and division offices, 10 universities, and 3 foreign countries participated.

2. The SUPERDUCK experiment was organized into three phases: (a) a nonstorm wave phase during September when mild wave conditions generally dominate, (b) a storm wave phase during October when higher wave conditions are usually experienced, and (c) an all-weather phase conducted throughout September and October. Crowson et al. (1988) summarized the 30 different experiments conducted during SUPERDUCK, most of which were located along a 600-m-long area of shoreline centered 500 m north of the FRF's pier (Figure 2).

3. Critical to the success of SUPERDUCK was the collection of time series data from the primary instrument arrays by the FRF.

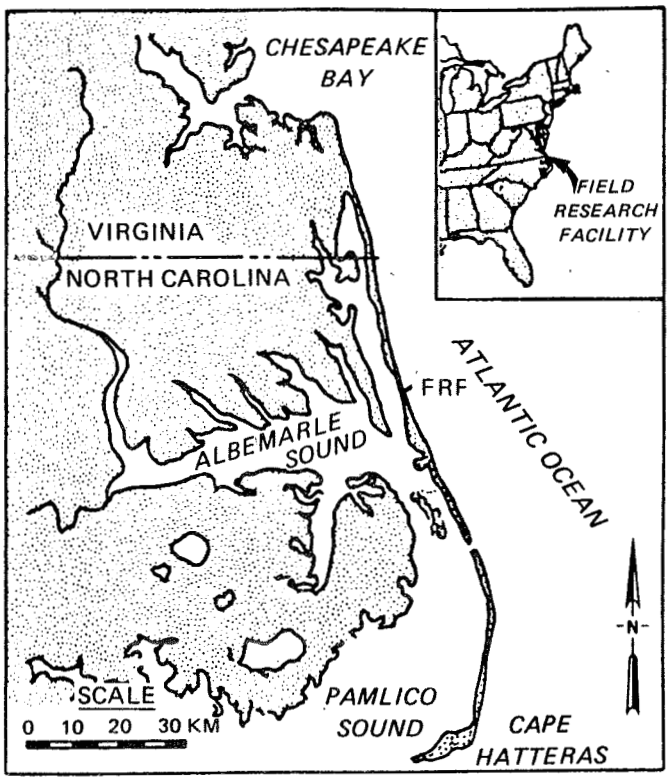

Figure 1. FRF location map

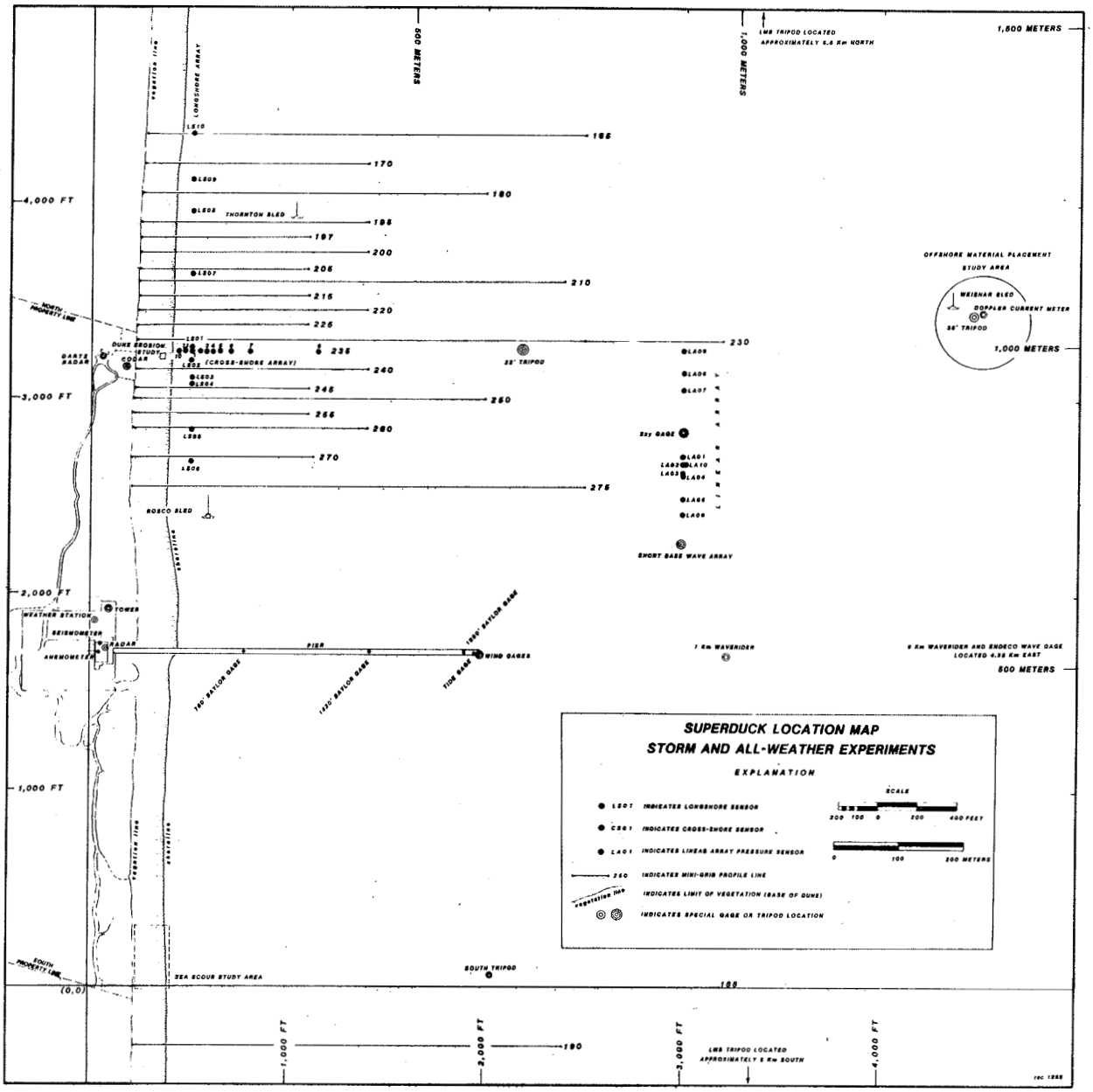

Figure 2. Layout of the SUPERDUCK experiments

This data set provides the basic measurements of conditions that occurred during the experiment. In addition, the FRF conducted frequent surveys of the nearshore bathymetry. The purpose of this report is to summarize the instrument data and surveys collected by the FRF. A total of 24 instruments is included. Although this is only a small number of the total suite of SUPERDUCK instruments, it represents the basic data set which is fundamental to the analysis of all SUPERDUCK experiments. These instruments along with their channel numbers, gage names, and other relevant information are listed in

Table 1. Coordinates given in Table 1 refer to the local horizontal coordinate system of the FRF as shown in Figure 2. Elevations are relative to the National Geodetic Vertical Datum (NGVD) of 1929.

4. Readers interested in specific SUPERDUCK experiments or data sets should refer directly to the principal investigators, as provided by Crowson et al. (1988). Miller et. al (1988) summarize conditions from 1980-1986, and Birkemeier et. al (1985) discuss the overall FRF facility and capabilities. Requests for the time series presented in this report should be addressed to:

USAE Waterways Experiment Station
Coastal Engineering Research Center
Field Research Facility
SR Box 271
Kitty Hawk, NC 27949-9440

Data Collection

5. The number of instruments deployed and the collection schedule varied between September and October. During September, data were provided by the linear wave array and the FRF basic instrumentation listed in Table 1. Seven contiguous records of 34 min each were collected 4 times per day approximately centered around the times of high and low tides on the FRF's Digital Equipment VAX 11/750 computer. Redundant data collection was provided by a Data General NOVA-4 computer which collected data during a single 34-min record every 6 hr (0100, 0700, 1300, and 1900). All times are relative to Eastern Standard Time (EST). Summary data for each record collected on the VAX computer in September along with the exact collection start times are tabulated in Appendix A. Plots of the data which correspond to the tables are included in Appendix B.

6. All of the instruments listed in Table 1 were operated during the October storm wave phase of the experiment. Data collection differed somewhat from that during September. The VAX collected data from most of the gages for 7 contiguous 34-min records centered on high and low tides, but the NOVA computer collected a single 34-min record every hour. The VAX data are tabulated and displayed in Appendixes C and D respectively; the NOVA data for October are in Appendixes E and F.

7. Operational status of the instruments, including the times they were deployed and removed, can be determined from the tables in the appendixes

Table 1

Summary of SUPERDUCK Instrumentation

Instrument							Gage Location				
	Gage			Serial	Calibration		Longshore	Cross-Shore	Elevation†	Water Depth†	Orientation
Description	Name	Channel	Type	Number	Gain	Bias	m	m	m	m	deg true north
Linear wave array	LA01*	111	P	5H264	3.401	-0.074	825.5	914.4	-7.86	-8.32	
	LA02*	121	P	2F143	3.466	0.151	815.8	914.4	-7.77	-8.18	
	LA03*	131	P	7189	3.441	0.048	800.6	914.5	-7.71	-8.22	
	LA04*	141	P	3009	3.440	0.022	795.6	914.0	-7.86	-8.28	
	LA05*	151	P	2F141	3.553	0.054	760.6	914.3	-7.83	-8.14	
	LA06*	161	P	4H623	4.494	0.133	735.6	914.2	-7.71	-8.20	
	LA07*	171	P	5H266	3.455	0.070	930.5	914.0	-7.77	-8.18	
	LA08*	181	P	5H308	3.437	0.112	955.8	914.3	-7.83	-8.28	
	LA09*	191	P	5H263	3.453	0.166	990.4	914.4	-7.77	-8.32	
	LA10*	101	P	7538	3.461	0.298	815.7	919.3	-7.68	-8.30	
Longshore current array	LS01	219	U	S543	0.646	0.019	992.3	155.4	-0.84	-1.38	70
		319	V		-0.661	-0.012					
	LS02	229	U	S65 **	0.610	0.000	972.2	155.6	-0.82	-1.76	69
		329	V		-0.610	0.000					
	LS03*	239	U	B869	0.590	-0.006	945.2	155.4	-1.17	-1.95	73
		339	V		-0.592	-0.006					
	LS04	249	U	S663	0.601	0.002	935.1	155.4	-0.87	-1.85	67
		349	V		-0.613	-0.002					
	LS05	259	U	S538 **	0.609	0.000	865.3	155.4	-0.84	-1.13	72
		359	V		-0.609	0.000					
	LS06	269	U	S535	0.667	-0.006	815.5	155.4	-0.77	-1.04	79
		369	V		-0.662	-0.016					
	LS07	279	U	B501	0.616	0.011	1105.9	155.2	-0.99	-1.01	70
		379	V		-0.616	-0.004					
	LS08*	289	U	S429	0.650	-0.014	1205.2	155.2	-0.68	-0.78	73
		389	V		-0.647	-0.020					
	LS09	299	U	S428	0.652	0.015	1256.4	155.4	-0.75	-1.04	77
		399	V		-0.650	0.015					
	LS10*	209	U	S753	0.603	0.015	1325.3	155.4	-0.7	-0.8	70
		309	V		-0.594	0.017					
Cross-Shore pressure wave array	CS01	411	P	126	-1.416	2.901	989.0	155.4	-0.8	-1.30	
	CS02	421	P	134	-1.312	3.297	990.7	168.7	-0.7	-1.14	
	CS03	431	P	127	-1.308	4.111	991.1	178.1	-0.7	-1.37	
	CS04	441	P	131	-1.590	4.254	990.6	187.2	-0.7	-1.68	
	CS05*	451	P	136	-1.239	3.590	990.2	200.0	-1.0	-1.91	
	CS06*	461	P	133	-1.345	1.570	990.7	216.7	-1.1	-2.46	
	CS07*	471	P	132			991.0	247.2	-1.5	-3.25	
FRF Basic Instrumentation											
South tripod		621	P	5H262	3.467	-0.056	28.0	619.4	-5.09	-6.61	
		679	U	B761	0.629	-0.003			-4.91		70
		689	V		0.625	-0.008					
		21	PUV								
Wave gage		630	W	68204-7	2.000	2.500	516	6,000	0.00	-18.9	
Wave gage		640	W	67715-7	2.000	2.500	523	977	0.00	-8.5	
Wave gage		625	B	463	2.804	0.000	516.6	579.1	-6.71	-7.71	
Wave gage		675	B	449	2.256	0.000	516.6	432.8	-4.69	-6.89	
Wave gage		645	B	430	1.707	0.000	516.6	237.7	-1.89	-2.74	
Atm. pressure		616	A	16726	0.800	-0.038	569.0	11.6	2.99		
Air temperature		624	T	2459	16.000	1.875	569.0	11.6	2.99		
Wind speed		632	S	1329	8.941	0.000	516.0	21.4	18.99		
Wind direction		633			120.000	0.000	516.0	21.4	18.99		
Tide		1	N				514.0	596.0	0.00	-7.7	

Notes: * - Not included in this report, see text for explanation.
** - No calibration data available, manufacturer's calibration used.
† - Relative to NGVD.

Gage Type	Description
A	Atmospheric pressure (Yellow Springs Instrument Company)
B	Inductance wave gage (Baylor Company)
N	National Oceanic and Atmospheric Administration (NOAA) tide gage
P	Pressure gage
PUV	Combination pressure/current meter gage for determining directional wave spectra
S	Skyvane anemometer (Weather Measure Corporation)
T	Air temperature (Yellow Springs Instrument Company)
U	Cross-shore component of velocity, positive offshore
V	Longshore component of velocity, positive to the right (southward)
W	Waverider buoy wave gage (Datawell Laboratory for Instrumentation)

since blanks indicate that the data were either not collected, in error, or otherwise suspect. The most significant gap in the data occurred between 1143 EST on 13 October 1986 and 0910 EST on 14 October 1986 when a problem with the FRF's uninterruptable power supply shut down both computers. A second noticeable gap in the VAX data resulted from not hooking up the basic FRF instruments to the VAX computer until 15 October 1986. Details of the various measurements made and the analysis procedures used are given below.

Wave Measurements

8. Three different types of wave gages (surface piercing, pressure sensing, accelerometer buoy) were used to collect wave information. With slight variations, data analysis was similar for all gage types. Data were collected in 34-min records, which included 4,096 data values (representing the voltage output of the sensor), sampled at 2 Hz. After the voltages were converted to engineering units using the sensor calibration factors, the time series were edited to eliminate erroneous jumps and spikes.

9. Energy density spectra were then computed from the time series. Each record was divided into 15 512-point segments that overlapped 50 percent. To eliminate large distortions in the spectral estimates, means and linear trends were removed from each segment. The trends were computed using a least squares method. Next, the data were windowed with a cosine taper over 10% of each end of the segments; segment variances were computed before and after the windowing. Spectral estimates of each segment were computed with the Fast Fourier Transform. A variance correction was then applied to the segments which adjusted for the loss of variance from the data window. Smoother and more statistically significant spectra were obtained by averaging the segment spectra, with additional smoothing from a 3-band running average filter.

10. The *wave period*, or peak spectral period T_p was defined as the period corresponding to center frequency of the band containing the most energy. The *wave height* H_{mo} was computed as four times the square root of the zeroth moment of the energy spectrum computed between 0.04 Hz and 0.5 Hz.

11. The analysis of the pressure sensor data differed only in that the time series was first adjusted for atmospheric pressure to determine the water depth. Then the pressure spectrum was transformed to a surface elevation

spectrum using linear wave theory. Energy at frequencies in which linear theory compensation reached a factor of 100 or more were not included.

Linear wave array

12. The arrangement of the ten pressure sensor offshore *linear wave array* located along the -8.2 m depth contour (Figure 2) was designed by Dr. Joan Oltman-Shay (Oregon State University) specifically to resolve the directional wind-waves of the Atlantic East Coast. The array employed pressure sensors manufactured by Senso-Metrics, Inc., with a range of 0-172 kPag (0-25 psig). Each sensor was statically calibrated prior to deployment and mounted on a 2-in. (5-cm) -diam pipe jetted into the ocean bottom. A complete analysis of the data results in a three-dimensional directional spectrum as illustrated in Figure 3. Peak period and peak direction, as provided in the appendixes, were determined by integrating the data in both direction and in frequency as shown by the graphs on the vertical panels in Figure 3. It is notable that, as defined, the peak direction does not necessarily correspond to the waves which occurred at the peak period (i.e. peak energy). Because each of the sensors measured basically the same H_{mo} and T_p, only sensor LA09 is included in the appendixes. Wave direction is measured in degrees relative to true north and indicates the direction from which the waves are coming.

Cross-shore wave array

13. The instruments in the *cross-shore array* were Datasonics, Inc., combination pressure sensor/sonic altimeters deployed by Dr. Asbury Sallenger of the United States Geological Survey. The sonic altimeters were designed to measure the distance between the sensor and the bottom, providing real-time measurements of depth. These time series require specialized analysis and interpretation and are not included in the Appendixes. The integral pressure gage was a Setra System, Inc., 0-688 kPaa (0-100 psia). These gages turned out to be prone to multiple problems including drifting as the temperature inside the instrument changed; collapsed or sand packed rubber nipples which transmited pressure to the sensor; and crosstalk between adjacent channels (gages 451 and 461 in particular). Because these gages were placed between 0.7 m and 1.5 m below the water surface, the wave height data were not compensated for depth attenuation of the pressure signal. This shallow placement also affected some of the sensors, resulting in measurements with very low variance at gages 431 and 451 particularly during low tides. Because

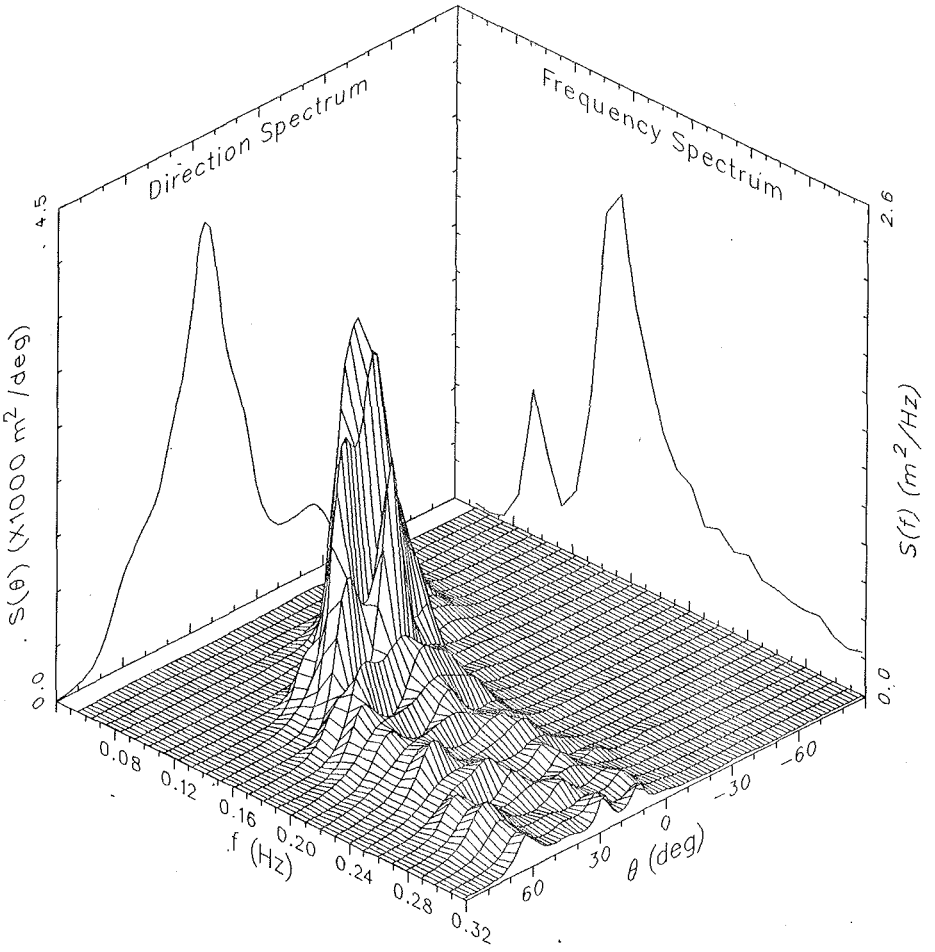

Figure 3. Sample frequency-direction spectrum from the linear wave array for 16 September 1986 at 1750 EST, H_{mo} = 1.59 m, directions relative to shore normal

the nipple on sensor CS07 collapsed early in the experiment and because CS06 did not linearly calibrate, they are not included in the appendixes. All of the remaining five sensors were calibrated in a saltwater tank following the experiment.

14. Because of the multitude of problems, the data presented in the appendices has been extensively edited to remove known or suspect bad records. A variety of editing methods were employed. First, records which did not show a tidal varying mean water level were removed. This included most of the records from 9 and 10 October immediately following installation. This check also removed most of the CS03 data from 14 to 18 October and after 20 October. Next, records with obviously low variance were also removed. This affected CS05 during some low tide runs and between 12 and 15 October. Gages CS01,

CS02, and CS04 performed well during most of the study and should be considered first for use. Although the data from gages CS03, CS05, and CS06 are less reliable, in many of the time series (even those not included here) phase information is available, only the mean water depth and total energy are unknown.

15. Examination of the values of T_p for the cross-shore array reveals a number of records with periods greater than 20 sec. Because the analysis procedure filters out data longer than 25 sec, a wave period over 20 sec may actually represent a longer wave period and may therefore imply the presence of infragravity wave motions (waves at periods > 20 sec). However, considerable additional analysis of the data is required to determine the true nature of these motions.

Basic FRF wave data

16. Included in the FRF basic instrumentation program listed in Table 1 are 6 wave gages, including one *PUV* directional wave gage consisting of a Marsh McBirney electromagnetic current meter and a Senso-Metrics Co., Inc., pressure sensor. Directional data are computed from this combination gage using the method of Bowden and White (1966). As included in the appendixes, the directions resulting from the PUV gage are relative to true north, correspond to waves occurring at the peak period, and indicate the direction they are coming from.

17. Nonbreaking incident wave conditions were obtained by a Datawell Waverider buoy located 6 km offshore. A second Waverider buoy closer to shore, along with three surface-piercing Baylor Co. inductance staff gages located on the research pier, completed the wave data base. Each of these instruments is part of a regular FRF program of maintenance and calibration.

Current Measurements

18. Current data were collected with Marsh McBirney electromagnetic current meters, one located in 6.6-m water depth (on the South tripod, gage numbers 679 and 689) and ten located nearshore in the *longshore current array*. Two additional current meters (CS10 and CS11) were deployed inshore of the longshore current array and along the same line as the cross-shore wave array (Table 1); but because these instruments were only occasionally operated, they have not been included in this report. Data analysis for the current meters

was similar to that of the wave data described above, but only the mean velocity values for each channel are reported in the appendixes.

19. The longshore current array was also designed by Dr. Joan Oltman-Shay to measure the infragravity wave climatology in the surf zone. The ten current meters were deployed nearly shore parallel over a 509-m distance just offshore of the beach. The instruments in the array were mounted on 2-in. (5-cm) -diam pipes jetted over 5 m into the bottom. Small fins welded onto the bottom of the pipes prevented them from rotating. Sensors with serial numbers beginning with S (Table 1) employed a 3.81-cm-diam probe; the others used a 10.16-cm-diam probe.

20. As listed in Table 1, most of the instruments were calibrated under steady flow either before or after the completion of the experiment. No calibration data existed for LS02 and LS05; therefore, the manufacturer's recommended calibration was used for these instruments.

21. Data from three of the sensors (LS03, LS08, and LS10) have not been included in the tables because of consistent problems with the time series. Sensor LS08 produced data similar to those of the other sensors but of consistently lower magnitude, an error which could not be explained by the calibration factor. Sensors LS03 and LS10 experienced frequent intermittent problems. The pipe supporting LS10 was bent on 13 October, and the probes on LS03 and LS04 became buried on 22 October. While many of the problem records are recoverable through careful analysis of the time series, such analysis was beyond the scope of the present effort.

22. Each of the longshore array probes was mounted downward and deep enough in the water column to ensure submergence during low tide. The sensor located on the South tripod was mounted upward. Each of the longshore sensors was installed oriented such that the positive U-component was directed offshore (70 deg relative to true north), and the positive V-component was directed northward (to the left facing offshore). To convert this orientation to one customarily defined for the FRF required that the signs of both the gain and bias for the V-component be switched for the longshore array sensors (making positive longshore flow southward).

23. A post-experiment check prior to the removal of the sensors indicated that some of them may not have been at the desired 70 deg orientation. This was also confirmed by comparing resultant directions between the different sensors. In order to minimize any errors resulting from the

orientation, mean resultant directions were computed for each gage for the 7 data runs beginning at 1030 on 10 October. This time period was selected because of the linear nature of the nearshore bar (see Figures H5 and H6) and the speed and uniformity of the longshore current. As expected 4 of the gages (LS01, LS02, LS05, and LS07) had resultants within 2 deg of each other. The median was LS07 which was assumed to be correctly oriented at 70 deg. The orientations of the other sensors were computed relative to LS07 and used to compute the cross-shore and longshore current velocities presented in the appendices. Current directions are defined as the direction toward which the current is flowing.

Water Levels

24. The most precise water level data were collected by a National Oceanic and Atmospheric Administration (NOAA) tide gage located at the seaward end of the research pier (Gage 1). Although only instantaneous measurements taken within 3 min of the hour are presented in Appendix G, measurements taken every 6 min are available. Water depths were also computed for the pressure gage (Gage 621) based on the average of each 34-min record (accounting for the atmospheric pressure and distance from the gage to the bottom).

Meteorological Measurements

25. Measurements of the wind speed and direction were made at the landward end of the research pier using a Qualimetrics Corporation Skyvane Model 2101 anemometer (Gages 632, 633). Wind directions are reported relative to true north, with onshore winds having a direction of 70 deg. Air temperature (Gage 624) and atmospheric pressure (Gage 616) were measured with electronic sensors manufactured by the Yellow Springs Instrument Company. Simple mean values for these instruments computed over the 34-min records are given in the appendixes.

Survey Data

26. During the experiment numerous bathymetric data were collected using the FRF's Coastal Research Amphibious Buggy (CRAB)-Zeiss surveying

system. This system utilizes a Zeiss Elta-2 first-order, self-recording electronic theodolite distance meter in combination with the CRAB, a 10.7-m-high self-propelled mobile tripod on wheels. Details of the equipment along with a discussion of accuracy and long-term profile variation can be found in Howd and Birkemeier (1986). A total of 20 profile lines was surveyed within a 600- by 600-m region which was designated as the minigrid area and centered over the longshore current array (Figure 2). The location and length of these lines, along with their position relative to the cross-shore and longshore fixed instruments, are illustrated in Figure 4. Line spacing and length were designed to minimize survey time while maximizing the coverage closest to shore. Maximum line length and number of profile lines surveyed were also affected by wave and weather conditions, along with availability of the CRAB.

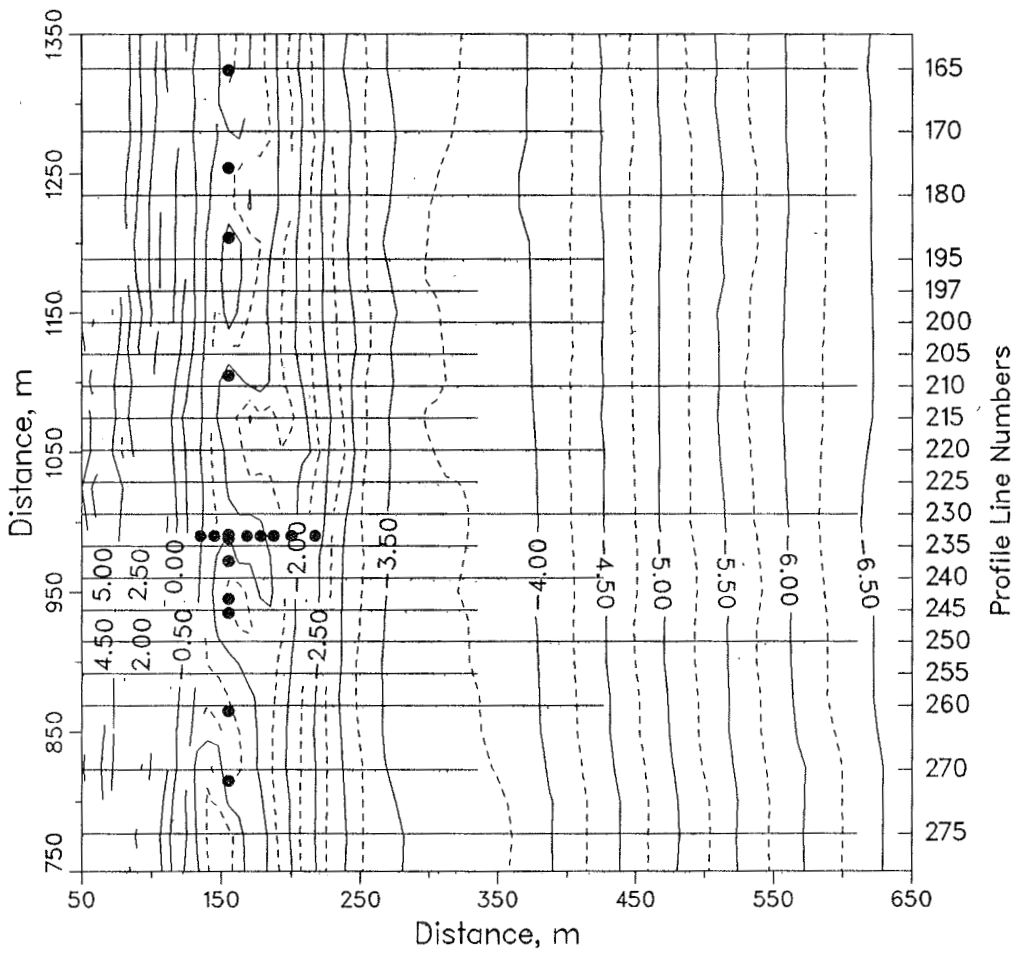

Figure 4. Bathymetric survey from 26 September 1986 showing the location of the minigrid profile lines and longshore and cross-shore fixed instruments (circles)

27. Table 2 summarizes the survey data which were collected, including 14 surveys of the minigrid. Each of the minigrid surveys is illustrated in Appendix H. A corresponding table presents a regular depth matrix for each minigrid survey based on an interpolation of the original randomly spaced survey data. Although these plots and tables cover the full length of the minigrid out to 350 m offshore, actually the full survey was not usually obtained. Unsurveyed areas were filled in using data from longer adjacent lines or from earlier or later surveys (provided there was no evidence of significant change to the area being filled). Actual profile line survey length is indicated by small + signs on the plots, and shaded sections on the tables indicate filled or interpolated areas. A complete depth matrix out to a distance of 605 m offshore was obtained on 26 September 1986 and is included in Table H3. Based on long profile lines surveyed through the region, the bathymetry from 350 to 605 m offshore was nearly stable throughout the SUPERDUCK experiment.

Summary

28. The SUPERDUCK experiment provided a unique framework for a variety of coastal field studies, from improving basic observation techniques to sophisticated arrays of fixed instruments. Fundamental to the success of all the experiments was the collection of the instrument and survey measurements presented in the appendixes to this report. With the publication of this report, these data are available not only to the SUPERDUCK investigators but also to other coastal researchers.

Table 2

SUPERDUCK Bathymetric Surveys

Survey No.	Type	Date	Profile Lines Surveyed*
1	Minigrid	4 Sep	188, 190
2	Minigrid	12 Sep	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
3		18 Sep	210, 230, 188, 190
4		20 Sep	225, 230, 235, 240, 245, 250, 255, 260
5	Minigrid	26 Sep	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
6		30 Sep	230, 235
7		2 Oct	233
8	Minigrid	6 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275, 188, 190
9		7 Oct	235
10		8 Oct	235
11	Minigrid	9 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
12		10 Oct	165, 170, 180, 195, 197, 200, 210, 220, 230
13	Minigrid	11 Oct	165, 170, 180, 195, 200, 210, 220, 230, 235, 240, 250, 260, 270, 275
14	Minigrid	12 Oct	165, 170, 180, 195, 200, 210, 220, 230, 235, 240, 250, 260, 270, 275
15	Minigrid	13 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
16	Minigrid	14 Oct	165, 170, 180, 195, 200, 205, 210, 220, 230, 235, 240, 245, 250, 255, 260, 270, 275
17	Minigrid	15 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
18	Minigrid	16 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
19		17 Oct	195, 210, 230, 188, 190
20	Minigrid	18 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
21	Minigrid	20 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275
22		21 Oct	170, 230
23	Minigrid	22 Oct	170, 180, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 270, 275

* See Figure 4 for location and length of lines.

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APPENDIX A: TABLES OF DATA COLLECTED IN SEPTEMBER 1986 ON THE VAX COMPUTER

Table A1

September SUPERDUCK Data Collected on the VAX Computer

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage: Pressure Sensor (621) Wave Height m	Current/Pressure Gage: Pressure Sensor (621) Wave Period sec	Current/Pressure Gage: Pressure Sensor (621) Depth m	Current/Pressure Gage: Current U (679) m/sec	Current/Pressure Gage: Current V (689) m/sec	Current/Pressure Gage: Wave Dir (21) deg
							11 September 1986									
5	0.55	8.00	0.52	8.00			0.37	7.11	0.32	7.11	0.53	7.53	6.20	0.01	-0.08	81
39	0.53	6.24	0.49	6.40			0.39	7.31	0.32	7.31	0.50	7.31	6.18	0.01	-0.05	81
113	0.51	7.11	0.48	7.11			0.37	6.74	0.31	7.31	0.50	6.74	6.15	0.02	-0.05	79
147	0.54	7.31	0.47	7.76			0.36	6.92	0.31	6.74	0.50	6.74	6.09	0.02	-0.04	84
438	0.75	6.74	0.70	6.74			0.33	6.74	0.27	6.74	0.47	7.76	5.56	0.03	-0.02	76
512	0.63	7.31	0.59	6.92			0.32	6.74	0.28	6.74	0.47	7.11	5.50	0.03	-0.02	81
546	0.54	6.56	0.52	6.56			0.31	6.74	0.29	6.56	0.48	7.11	5.47	0.02	-0.02	82
620							0.31	11.13	0.29	12.19	0.46	7.11	5.48	0.02	-0.03	84
654							0.32	6.92	0.28	11.13	0.48	6.74	5.49	0.02	-0.04	82
802							0.32	6.56	0.25	5.33	0.47	6.24	5.63	0.02	-0.05	75
1442	0.66	3.33	0.50	7.76			0.45	9.48	0.43	3.20	0.52	10.24	6.29	0.01	-0.05	77
1516	0.68	3.46	0.56	9.14			0.47	10.24	0.45	3.12	0.53	3.56	6.17	0.01	-0.06	75
1550	0.69	3.33	0.57	10.24			0.47	3.56	0.49	3.46	0.60	3.37	6.04	0.00	-0.06	78
1624	0.68	3.71	0.59	9.85			0.48	10.24	0.44	3.66	0.58	3.46	5.89	0.00	-0.07	76
1658	0.68	3.66	0.54	10.67			0.47	10.67	0.41	3.66	0.56	9.85	5.75	0.00	-0.09	77
1732	0.67	3.66	0.52	9.14			0.44	11.13	0.44	3.88	0.51	10.24	5.62	0.00	-0.08	82
1806	0.64	3.56	0.53	10.24			0.43	10.24	0.47	3.56	0.57	9.85	5.53	-0.01	-0.09	74
2057	0.68	9.14	0.53	8.53			0.42	9.14	0.45	2.75	0.51	9.14	5.56	0.01	-0.11	76
2131	0.68	8.83	0.53	9.48			0.45	9.48	0.41	2.54	0.51	9.48	5.63	0.02	-0.13	76
2205	0.70	9.48	0.56	9.48			0.44	10.24	0.36	2.88	0.54	9.14	5.75	0.01	-0.12	79
2239	0.72	9.48	0.54	9.48			0.45	9.85	0.38	3.56	0.53	9.48	5.86	0.00	-0.10	77
2313	0.68	9.14	0.53	9.14			0.44	8.83	0.42	4.92	0.55	8.83	5.95	0.00	-0.08	75
2347	0.68	9.48	0.52	9.48			0.43	9.85	0.44	4.92	0.52	9.14	6.04	-0.01	-0.06	76
							12 September 1986									
21	0.67	8.53	0.54	9.14			0.44	9.14	0.44	5.12	0.54	8.83	6.08	-0.01	-0.06	79
312	0.69	9.85	0.54	9.48			0.49	5.57	0.46	5.02	0.56	8.83	5.95	0.01	-0.04	78
346	0.66	9.14	0.54	8.83			0.46	9.48	0.42	5.33	0.57	9.14	5.86	0.01	-0.05	77
420	0.64	5.95	0.56	9.85			0.46	6.09	0.41	5.69	0.57	8.83	5.74	0.00	-0.06	79
454	0.70	5.82	0.51	8.83			0.47	9.48	0.48	5.69	0.56	9.14	5.62	0.00	-0.06	81
528	0.71	9.14	0.53	6.24			0.45	6.09	0.51	6.09	0.56	9.14	5.51	0.01	-0.06	78
602	0.69	9.14	0.54	9.14			0.44	9.14	0.54	5.69	0.53	9.48	5.44	0.00	-0.06	80
636	0.70	6.09	0.52	9.14			0.43	5.95	0.53	5.69	0.55	9.48	5.40	0.00	-0.07	78
800	0.70	9.48	0.51	9.14			0.44	6.09	0.53	5.95	0.55	9.85	5.39	-0.01	-0.09	84
834	0.70	6.09	0.54	8.83			0.42	9.14	0.53	5.82	0.57	9.14	5.45	-0.01	-0.10	81
908	0.74	8.83	0.54	8.83			0.44	9.48	0.50	5.69	0.57	9.85	5.53	-0.01	-0.10	85
942	0.74	5.82	0.54	8.83			0.44	9.85	0.40	5.57	0.54	9.14	5.67	0.00	-0.12	88
1016	0.74	9.48	0.52	9.85			0.44	9.48	0.40	5.69	0.54	9.48	5.82	-0.01	-0.11	86
1050	0.70	5.69	0.52	8.53			0.45	8.00	0.44	5.69	0.56	9.14	5.98	0.00	-0.12	86
1124	0.73	8.26	0.48	8.26			0.44	8.53	0.47	5.57	0.55	9.48	6.12	-0.01	-0.10	85
1316	0.75	9.14	0.55	8.83			0.48	8.00	0.47	5.33	0.59	9.14	6.40	0.00	-0.08	87
1350	0.75	9.14	0.64	8.83			0.50	9.85	0.46	5.82	0.61	8.83	6.41	0.01	-0.07	88
1424	0.75	9.14	0.53	8.83			0.52	9.48	0.48	5.82	0.57	9.85	6.40	0.01	-0.07	84
1458	0.78	8.00	0.61	9.48			0.49	6.24	0.51	5.22	0.59	8.53	6.37	0.00	-0.06	85
1532	0.75	8.83	0.54	9.14			0.49	8.53	0.51	5.95	0.56	9.48	6.29	0.00	-0.05	88
1606	0.71	5.95	0.50	8.83			0.49	9.14	0.50	6.09	0.57	8.26	6.20	0.01	-0.04	84
1640	0.70	6.24	0.52	9.14			0.45	9.48	0.47	5.95	0.54	9.14	6.05	0.02	-0.04	89
1900	0.66	6.40	0.45	9.48			0.38	9.48	0.43	13.47	0.48	9.14	5.53	0.03	-0.02	87
1934	0.62	8.83	0.46	9.14			0.38	6.40	0.44	6.40	0.48	9.14	5.48	0.02	-0.03	87
2008	0.58	9.14	0.43	8.83			0.34	8.83	0.41	14.22	0.43	13.47	5.41	0.01	-0.04	87
2042	0.55	8.53	0.44	8.83			0.34	9.14	0.39	13.47	0.41	13.47	5.41	0.02	-0.04	84
2116	0.54	8.83	0.42	9.48			0.33	9.14	0.39	13.47	0.43	13.47	5.44	0.02	-0.05	86
2150	0.52	8.53	0.40	8.83			0.32	13.47	0.34	13.47	0.42	8.83	5.53	0.02	-0.05	90
2224	0.48	8.53	0.42	8.83			0.32	13.47	0.31	12.80	0.42	8.83	5.62	0.02	-0.05	86
							13 September 1986									
100	0.53	8.83	0.42	8.83			0.34	13.47	0.34	12.80	0.46	12.80	6.14	0.02	-0.02	89
134	0.54	8.26	0.48	13.47			0.39	13.47	0.35	13.47	0.44	13.47	6.19	0.03	-0.02	95
208	0.61	8.26	0.54	13.47			0.41	13.47	0.37	13.47	0.45	13.47	6.24	0.04	0.01	90
242	0.70	13.47	0.60	13.47			0.44	13.47	0.37	13.47	0.45	13.47	6.24	0.04	0.04	88
316	0.77	3.56	0.64	13.47			0.55	12.80	0.44	3.24	0.55	3.24	6.23	0.05	0.05	95
350	0.90	3.46	0.78	3.51			0.66	3.56	0.52	3.41	0.74	3.51	6.20	0.05	0.08	87
424	1.04	4.13	0.94	4.20			0.85	4.27	0.67	4.00	0.96	4.13	6.17	0.06	0.10	94
700	1.47	5.22	1.31	5.02			1.26	5.12	1.15	5.02	1.37	4.74	5.69	0.07	0.18	35
734	1.50	5.12	1.31	5.12			1.26	5.22	1.19	5.33	1.48	5.33	5.63	0.07	0.19	32
808	1.50	5.22	1.33	5.12			1.20	5.45	1.25	5.45	1.41	5.57	5.59	0.07	0.19	32
842	1.54	5.45	1.40	5.45			1.24	5.33	1.19	5.69	1.40	5.45	5.61	0.07	0.18	34
916	1.54	5.45	1.38	5.69			1.23	5.82	1.29	5.69	1.37	5.69	5.65	0.06	0.18	34
950	1.44	5.45	1.26	5.33			1.17	5.57	1.14	5.82	1.39	5.45	5.74	0.06	0.16	29
1024	1.43	5.69	1.23	5.69			1.16	5.57	1.00	5.57	1.28	5.69	5.84	0.06	0.16	32
1300	1.39	5.57	1.20	5.57			1.07	5.45	0.89	5.69	1.23	5.69	6.46	0.06	0.15	37
1334	1.30	5.57	1.17	5.82			1.03	5.57	0.86	5.57	1.17	5.45	6.55	0.06	0.15	42
1408	1.32	5.69	1.22	5.57			1.00	5.82	0.88	5.33	1.20	5.45	6.61	0.06	0.15	44

(Continued)

(Sheet 1 of 10)

Table A1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
1442	1.26	5.69	1.11	5.82			1.00	5.45	0.88	5.57	1.16	5.95	6.64	0.06	0.14	42
1516	1.26	5.69	1.15	5.82			0.97	5.69	0.81	5.82	1.12	5.45	6.66	0.06	0.15	34
1550	1.35	5.57	1.11	5.57			1.00	5.82	0.80	5.45	1.11	5.57	6.64	0.06	0.15	36
1624	1.23	5.82	1.19	5.69			1.00	5.45	0.79	5.57	1.06	5.82	6.58	0.06	0.16	34
1900	1.03	6.09	0.90	5.95			0.81	5.57	0.64	5.57	0.97	5.33	5.90	0.06	0.15	45
1934	1.07	5.95	0.83	5.69			0.81	5.82	0.63	5.82	0.89	5.57	5.78	0.06	0.14	42
2008	1.02	6.09	0.90	5.45			0.77	5.57	0.67	5.33	0.93	5.57	5.66	0.06	0.13	46
2042	1.06	5.69	0.85	5.95			0.73	5.69	0.72	5.45	0.92	5.95	5.58	0.06	0.13	90
2116	1.03	5.82	0.82	5.69			0.72	5.12	0.71	5.57	0.83	5.33	5.54	0.06	0.12	95
2150	1.00	6.40	0.82	5.22			0.72	4.74	0.68	5.57	0.92	5.69	5.55	0.04	0.14	87
2224	0.95	5.95	0.81	5.82			0.69	5.95	0.63	5.95	0.86	6.24	5.59	0.04	0.11	91
							14 September 1986									
100	1.00	6.09	0.85	5.69			0.71	5.45	0.60	6.09	0.89	5.82	6.05	0.05	0.09	91
134	0.93	5.69	0.85	5.57			0.71	5.22	0.58	5.69	0.84	5.57	6.15	0.06	0.08	87
208	0.89	5.82	0.83	5.33			0.69	10.67	0.58	5.69	0.84	5.69	6.24	0.06	0.10	89
242	0.91	5.69	0.86	10.67			0.66	5.33	0.55	5.45	0.84	10.67	6.30	0.07	0.11	88
316	0.89	10.24	0.82	10.24			0.65	10.24	0.53	5.22	0.82	10.67	6.32	0.08	0.10	92
350	0.89	5.69	0.76	10.24			0.63	10.24	0.55	5.45	0.84	10.24	6.33	0.08	0.10	91
424	0.86	5.69	0.80	10.24			0.65	10.24	0.53	5.33	0.77	10.67	6.29	0.08	0.10	94
700	0.87	10.24	0.80	10.24			0.62	10.24	0.46	5.45	0.77	10.24	5.80	0.07	0.13	88
734	0.83	10.24	0.78	10.24			0.62	5.45	0.47	5.45	0.82	10.24	5.69	0.07	0.14	92
808	0.89	10.24	0.78	10.24			0.63	10.24	0.57	5.22	0.79	10.24	5.58	0.07	0.14	93
842	0.98	10.24	0.81	9.85			0.67	10.24	0.61	4.27	0.88	10.67	5.53	0.07	0.12	86
916	0.97	10.24	0.88	9.85			0.73	3.94	0.69	4.41	0.89	10.24	5.51	0.07	0.12	86
950	0.98	4.20	0.88	9.85			0.71	4.00	0.73	4.34	0.95	9.85	5.52	0.07	0.12	92
1024	1.02	10.24	0.90	9.85			0.77	4.27	0.70	4.34	0.94	4.34	5.56	0.07	0.14	88
1300	0.98	9.85	0.87	9.85			0.71	10.24	0.59	10.24	0.87	9.85	6.13	0.08	0.12	86
1334	0.98	9.48	0.88	10.24			0.70	9.85	0.58	10.24	0.89	9.48	6.28	0.08	0.12	89
1408	0.97	9.85	0.89	9.48			0.75	9.48	0.60	9.48	0.88	9.48	6.42	0.08	0.14	90
1442	1.00	9.48	0.90	9.48			0.74	9.85	0.61	10.24	0.91	10.24	6.53	0.08	0.13	85
1516	1.03	9.85	0.92	9.85			0.79	9.85	0.63	9.85	0.95	9.14	6.61	0.08	0.14	87
1550	1.02	9.48	0.90	10.24			0.80	9.48	0.64	9.48	0.98	9.14	6.66	0.08	0.14	87
1624	1.08	9.48	0.95	9.14			0.85	9.85	0.68	9.14	0.97	8.83	6.66	0.07	0.15	86
1900	1.12	9.14	1.07	10.24			0.82	4.92	0.73	5.02	1.00	9.85	6.18	0.08	0.15	87
1934	1.12	10.24	1.09	9.14			0.84	8.83	0.73	4.74	1.04	9.85	6.01	0.08	0.15	92
2008	1.16	9.85	0.98	9.48			0.81	9.14	0.72	5.02	1.06	9.85	5.86	0.08	0.16	90
2042	1.18	9.85	1.10	8.83			0.80	4.92	0.72	9.85	1.02	10.24	5.71	0.10	0.16	86
2116	1.18	10.67	0.97	10.67			0.77	10.67	0.81	10.67	1.00	10.24	5.59	0.13	0.12	85
2150	1.14	10.67	1.06	10.67			0.79	10.24	0.93	9.48	1.01	9.48	5.50	0.11	0.15	89
2224	1.21	10.24	1.11	10.67			0.78	10.67	0.88	5.33	1.07	9.48	5.49	0.11	0.16	90
							15 September 1986									
100	1.18	9.85	1.04	9.85			0.78	10.24	0.70	10.24	1.02	9.48	5.80	0.09	0.13	88
134	1.30	10.24	0.98	10.67			0.80	10.67	0.71	11.13	1.04	10.67	5.95	0.09	0.11	79
208	1.19	10.24	1.03	10.67			0.78	10.67	0.71	10.67	1.06	10.24	6.09	0.10	0.10	79
242	1.21	10.24	0.97	10.67			0.75	9.85	0.69	10.24	1.04	10.24	6.20	0.10	0.10	80
316	1.19	10.24	1.05	10.24			0.81	10.67	0.69	10.67	1.11	10.24	6.29	0.11	0.12	83
350	1.17	10.67	1.04	9.48			0.79	10.67	0.65	9.14	1.07	10.24	6.35	0.13	0.12	83
424	1.15	10.67	1.06	10.67			0.82	10.67	0.73	10.67	1.03	10.24	6.38	0.12	0.14	81
900	1.01	9.48	0.96	10.67			0.74	10.67	0.85	10.67	1.00	10.67	5.58	0.10	0.12	81
934	0.99	10.24	1.01	10.67			0.75	11.13	0.98	10.67	0.95	9.85	5.47	0.10	0.13	82
1008	1.00	9.85	0.90	10.67			0.67	10.67	0.88	10.67	1.00	10.24	5.41	0.10	0.10	81
1042	0.94	9.85	0.92	10.24			0.70	10.67	0.86	10.67	0.95	11.13	5.38	0.09	0.07	85
1116	1.00	10.24	0.93	10.67			0.70	9.14	0.89	10.24	0.96	10.24	5.41	0.08	0.04	82
1150	0.98	10.24	0.92	10.24			0.69	10.24	0.79	10.67	0.96	9.85	5.47	0.08	0.03	80
1224	0.93	10.67	0.94	10.24			0.72	10.24	0.76	10.67	0.85	9.85	5.59	0.08	0.01	79
1317	0.91	9.85	0.89	10.24			0.73	8.83	0.72	9.14	0.97	9.48	5.80	0.07	-0.03	82
1351	0.90	9.14	0.91	9.48			0.72	10.24	0.72	10.67	0.91	9.48	5.98	0.07	-0.05	84
1425	0.86	9.48	0.95	11.13			0.78	9.48	0.73	9.14	0.93	10.24	6.14	0.06	-0.07	82
1459	0.93	9.14	0.91	10.24			0.73	9.85	0.71	9.85	0.92	10.67	6.30	0.04	-0.06	85
1533	0.95	10.24	0.95	9.48			0.75	10.24	0.71	10.24	0.87	10.67	6.43	0.03	-0.05	79
1607	0.93	10.67	0.95	9.85			0.74	10.67	0.68	10.67	0.87	9.48	6.49	0.00	-0.02	84
1641	0.93	8.83	0.90	9.85			0.76	10.67	0.66	11.13	0.88	10.67	6.54	0.01	-0.03	82
1917	0.89	10.67	0.90	9.14			0.64	10.67	0.56	9.85	0.83	10.67	6.23	0.01	-0.01	82
1951	0.92	11.13	0.91	11.13			0.68	9.48	0.59	9.48	0.88	10.67	6.05	0.02	-0.01	80
2025	0.87	10.24	0.81	9.85			0.60	11.13	0.50	10.67	0.82	8.83	5.87	0.02	-0.01	83
2059	0.90	10.24	0.87	10.67			0.63	10.24	0.59	10.67	0.81	10.67	5.70	0.02	0.00	81
2133	0.86	8.26	0.85	10.67			0.65	10.24	0.66	10.67	0.80	10.67	5.52	0.01	0.01	80
2207	0.82	10.67	0.86	9.14			0.59	10.24	0.69	10.24	0.81	10.67	5.40	0.01	0.00	78
2241	0.84	10.24	0.83	10.67			0.59	10.67	0.70	10.67	0.72	10.24	5.31	0.01	-0.02	79
							16 September 1986									
117	0.78	9.14	0.79	9.85			0.59	10.24	0.69	10.24	0.85	9.85	5.48	-0.01	-0.06	80
151	0.79	9.85	0.75	10.24			0.58	10.24	0.54	10.67	0.81	10.67	5.63	-0.01	-0.06	81

(Continued)

(Sheet 2 of 10)

Table A1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
225	0.78	10.24	0.78	9.85			0.56	10.24	0.45	10.24	0.74	9.85	5.77	-0.01	-0.06	84
259	0.81	9.85	0.82	10.24			0.59	9.85	0.50	10.24	0.76	9.85	5.94	-0.01	-0.07	83
333	0.73	10.24	0.67	9.85			0.53	9.85	0.52	10.24	0.74	9.85	6.06	-0.01	-0.07	80
407	0.74	9.85	0.75	10.67			0.52	10.24	0.46	10.24	0.72	9.48	6.16	0.00	-0.07	82
441	0.72	10.24	0.77	10.24			0.54	10.24	0.50	10.24	0.71	10.67	6.23	0.00	-0.07	84
1008	0.61	9.85	0.53	9.85			0.40	10.24	0.39	11.64	0.56	10.67	5.35	0.01	-0.04	83
1042	0.59	10.24	0.56	10.24			0.41	10.67	0.36	11.13	0.57	10.67	5.25	0.01	-0.03	81
1116	0.59	10.67	0.54	9.85			0.38	10.24	0.32	12.19	0.59	10.67	5.22	0.02	-0.04	83
1150	0.65	9.85	0.61	9.48			0.43	10.24	0.38	10.67	0.57	10.67	5.26	0.03	-0.01	84
1224	0.91	11.13	0.85	10.24			0.68	10.24	0.63	3.05	0.83	10.24	5.43	0.05	0.07	86
1258	1.11	4.06	1.07	4.00			0.93	4.20	0.85	4.13	1.18	4.06	5.56	0.06	0.13	89
1332	1.09	4.57	1.16	4.34			0.96	4.20	0.81	4.57	1.21	4.34	5.69	0.06	0.16	81
1608	1.73	5.57	1.62	5.12			1.28	5.33	1.09	5.22	1.59	5.22	6.56	0.06	0.21	37
1642	1.89	5.69	1.56	5.45			1.40	5.95	1.23	5.57	1.71	5.82	6.72	0.06	0.20	38
1716	1.85	6.24	1.61	5.82			1.33	5.95	1.15	5.82	1.63	5.95	6.73	0.06	0.21	43
1750	1.94	6.40	1.60	6.24			1.35	6.40	1.20	6.40	1.69	6.24	6.68	0.07	0.22	42
1824	1.89	6.40	1.58	6.40			1.38	6.74	1.16	6.74	1.59	6.74	6.59	0.07	0.23	47
1858	1.78	7.11	1.65	6.92			1.37	6.74	1.18	6.74	1.66	6.74	6.54	0.07	0.23	45
1932	1.78	7.11	1.63	7.11			1.32	7.11	1.12	7.11	1.67	6.92	6.52	0.07	0.24	47
2208	1.68	7.53	1.49	7.53			1.24	6.40	1.15	6.56	1.65	8.00	5.77	0.07	0.26	57
2242	1.68	7.31	1.56	7.31			1.27	7.31	1.17	7.11	1.61	7.11	5.64	0.07	0.26	48
2316	1.75	7.76	1.50	6.24			1.23	6.09	1.18	5.57	1.69	7.53	5.55	0.07	0.24	58
2350	1.80	7.31	1.58	7.53			1.25	4.83	1.22	6.24	1.68	5.82	5.49	0.07	0.23	52
							17 September 1986									
24	1.81	5.22	1.59	7.31			1.27	5.45	1.23	5.82	1.68	5.69	5.51	0.07	0.22	53
58	1.80	7.31	1.62	5.95			1.31	5.82	1.24	6.92	1.74	5.95	5.55	0.06	0.22	59
132	1.80	7.11	1.58	7.53			1.29	5.82	1.24	7.31	1.69	5.33	5.66	0.07	0.21	54
1040	1.65	6.92	1.38	7.11	1.32	7.31	1.19	7.31	1.11	5.69	1.54	7.76	5.68	0.07	0.30	59
1114	1.51	7.53	1.36	7.53	1.23	7.53	1.10	5.33	1.09	5.33	1.41	7.53	5.56	0.07	0.29	52
1148	1.58	7.53	1.28	7.53	1.19	7.11	1.06	4.83	1.10	5.33	1.38	4.92	5.49	0.06	0.26	57
1222	1.58	7.11	1.32	7.31	1.20	7.11	1.06	5.33	1.12	5.22	1.32	7.31	5.47	0.07	0.26	54
1256	1.46	7.11	1.27	7.53	1.17	7.31	1.06	7.11	1.07	5.22	1.35	7.76	5.52	0.06	0.24	57
1330	1.47	7.11	1.20	6.92	1.20	6.92	1.05	5.22	0.98	5.12	1.37	6.92	5.60	0.06	0.23	56
1404	1.53	7.11	1.28	6.56	1.18	7.31	1.05	6.24	0.92	5.82	1.38	6.74	5.72	0.06	0.23	62
1655	1.35	7.76	1.24	6.92	1.15	6.09	1.04	6.09	0.90	5.12	1.35	7.31	6.52	0.06	0.20	61
1729	1.43	6.74	1.17	7.31	1.17	7.11	1.04	5.95	0.87	5.95	1.28	7.11	6.64	0.06	0.19	57
1803	1.35	7.53	1.22	6.74	1.13	6.56	1.02	6.24	0.85	6.24	1.28	5.82	6.70	0.05	0.19	62
1837	1.34	6.40	1.23	7.76	1.10	7.53	1.04	6.92	0.80	5.82	1.22	7.53	6.71	0.06	0.19	60
1911	1.35	7.76	1.18	7.53	1.12	7.53	1.00	7.11	0.81	6.40	1.20	7.53	6.66	0.06	0.19	58
1945	1.31	6.92	1.19	7.76	1.09	7.11	1.01	5.33	0.84	5.22	1.21	7.11	6.57	0.06	0.19	58
2019	1.31	7.31	1.14	7.31	1.11	7.31	0.98	5.45	0.81	5.69	1.20	7.76	6.47	0.06	0.18	60
2310	1.18	8.26	1.01	9.85	0.94	8.00	0.80	8.00	0.77	5.12	1.13	8.00	5.59	0.06	0.15	64
2344	1.20	7.53	1.07	7.76	1.00	7.76	0.79	7.76	0.83	7.31	1.06	8.00	5.45	0.06	0.14	59
							18 September 1986									
18	1.18	7.76	0.99	7.53	0.98	7.53	0.75	7.53	0.83	5.69	1.10	7.53	5.36	0.05	0.13	63
52	1.13	7.53	0.97	7.31	0.95	7.31	0.76	7.53	0.83	5.57	1.06	7.31	5.36	0.05	0.12	61
126	1.16	6.56	1.01	7.53	0.91	7.11	0.73	7.11	0.81	5.33	1.10	9.48	5.41	0.05	0.11	72
200	1.17	7.31	1.05	7.31	0.99	7.31	0.79	7.31	0.80	7.11	1.08	7.11	5.50	0.05	0.10	63
234	1.11	6.92	1.05	7.11	0.96	7.11	0.76	8.26	0.73	11.13	1.03	8.83	5.59	0.05	0.09	77
525	1.13	8.53	1.04	9.85	1.00	9.14	0.85	8.83	0.70	9.48	1.07	9.48	6.41	0.04	0.12	76
559	1.15	9.85	1.04	9.48	0.94	10.24			0.69	5.69	1.15	9.85	6.51	0.05	0.13	81
707	1.12	9.48	1.00	9.48	0.97	9.48	0.84	9.48	0.70	6.40	1.06	9.14	6.58	0.06	0.14	82
741	1.12	9.48	0.98	9.85	0.96	9.48	0.85	9.48	0.69	9.14	1.06	9.14	6.53	0.07	0.14	82
815	1.11	9.14	1.01	9.48	0.98	9.48	0.84	9.48	0.70	9.48	1.09	9.48	6.45	0.07	0.15	80
849	1.12	9.48	0.96	9.85	0.97	9.85	0.81	9.85	0.69	9.14	1.08	9.48	6.35	0.07	0.15	81
1000	1.13	9.14	0.94	9.85	0.89	9.14	0.76	9.14	0.64	9.14	1.00	9.14	6.05	0.07	0.16	78
1034	1.08	8.83	0.93	9.48	0.88	9.48	0.73	8.83	0.63	9.48	1.01	9.85	5.86	0.07	0.17	79
1108	1.02	8.83	0.97	9.48	0.89	9.48	0.75	9.48	0.68	9.48	0.98	8.83	5.68	0.08	0.17	79
1142	1.05	8.53	0.96	9.85	0.88	9.85	0.74	9.14	0.81	10.24	1.00	9.14	5.51	0.08	0.15	78
1216	1.01	9.48	0.90	9.48	0.87	9.48	0.68	9.48	0.78	10.24	1.00	9.85	5.39	0.07	0.11	79
1250	0.98	9.14	0.92	9.85	0.86	9.85	0.68	9.85	0.82	10.24	0.93	8.53	5.34	0.05	0.08	80
1324	0.92	9.48	0.96	9.48	0.87	8.83	0.69	9.48	0.84	10.24	0.97	9.85	5.35	0.05	0.04	80
1600	0.95	9.48	0.90	9.48	0.87	9.48	0.72	9.14	0.55	9.85	0.98	9.85	5.82	0.03	-0.03	74
1634	0.92	9.85	0.88	9.85	0.81	9.85	0.70	9.85	0.59	9.48	0.92	9.48	6.00	0.02	-0.04	75
1708	0.95	9.14	0.91	9.85	0.85	9.85	0.71	9.48	0.61	9.48	0.94	9.48	6.18	0.02	-0.04	78
1742	0.92	9.85	0.91	9.14	0.83	9.48	0.71	9.48	0.60	9.85	0.88	9.48	6.33	0.01	-0.04	73
1816	0.96	9.14	0.90	9.14	0.88	9.14	0.74	9.48	0.59	9.48	0.88	9.48	6.43	0.02	-0.04	74
1850	0.92	9.14	0.86	9.48	0.78	9.85	0.68	8.83	0.54	9.48	0.89	9.14	6.48	0.01	-0.05	72
1924	0.88	9.14	0.83	9.48	0.79	9.48	0.69	9.48	0.58	9.14	0.86	9.48	6.46	0.01	-0.04	75
2200	0.88	9.14	0.76	9.14	0.72	9.48	0.59	8.53	0.46	10.24	0.84	8.83	5.96	0.00	0.01	71
2234	0.84	8.53	0.75	9.14	0.69	9.14	0.56	8.53	0.41	11.64	0.84	9.48	5.78	0.00	0.02	73

(Continued)

(Sheet 3 of 10)

Table A1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Wave Dir (21) deg
2308	0.83	8.83	0.74	8.53	0.67	8.53	0.54	11.13	0.50	11.64	0.80	9.14	5.62	0.00	-9.99	70
2342	0.82	8.83	0.68	9.48	0.69	8.83	0.54	9.14	0.55	9.48	0.81	9.48	5.44	0.00	0.02	73
							19 September 1986									
16	0.78	8.53	0.72	9.85	0.69	10.24	0.51	10.24	0.61	10.24	0.80	9.85	5.31	0.00	0.00	77
50	0.83	8.83	0.70	9.14	0.67	9.14	0.50	9.14	0.54	12.19	0.82	8.83	5.23	-0.01	0.00	74
124	0.81	9.14	0.73	8.83	0.73	8.53	0.55	10.24	0.57	10.24	0.80	8.53	5.20	-0.01	-0.01	70
400	0.81	9.85	0.75	9.85	0.66	9.14	0.54	9.14	0.42	11.13	0.80	10.67	5.68	0.00	-0.03	73
434	0.81	8.83	0.73	10.67	0.68	8.83	0.53	9.48	0.41	10.24	0.77	10.24	5.86	0.00	-0.02	69
508	0.78	8.26	0.68	10.24	0.69	9.85	0.53	9.85	0.43	9.85	0.86	9.48	6.05	0.01	-0.02	76
542	0.74	9.85	0.71	8.53	0.66	9.48	0.54	9.48	0.43	9.48	0.81	8.83	6.23	0.01	-0.02	75
616	0.76	11.13	0.66	10.24	0.64	9.85	0.53	9.85	0.41	9.48	0.78	9.85	6.39	0.01	-0.01	70
650	0.78	9.85	0.66	8.53	0.64	10.67	0.54	10.67	0.41	9.48	0.75	9.85	6.47	0.02	-0.01	75
724	0.73	9.85	0.64	9.85	0.63	9.85	0.51	10.24	0.40	9.48	0.72	9.48	6.50	0.01	0.00	76
900	0.68	11.13	0.65	9.85	0.61	9.48	0.50	9.48	0.40	12.19	0.70	10.24	6.36	0.01	0.02	76
934	0.65	10.67	0.65	9.48	0.58	9.85	0.48	12.19	0.38	12.19	0.63	9.85	6.26	0.01	0.02	75
1008	0.68	11.13	0.62	9.48	0.57	10.67	0.46	9.85	0.39	9.85	0.65	11.64	6.10	0.01	0.01	75
1042	0.64	9.48	0.62	9.48	0.55	12.80	0.44	12.80	0.36	12.80	0.65	11.64	5.94	0.01	0.02	70
1116	0.64	10.24	0.59	12.19	0.52	9.14	0.45	8.83	0.31	11.64	0.65	11.64	5.77	0.01	0.01	74
1150	0.63	9.48	0.59	11.64	0.54	9.85	0.42	11.64	0.38	14.22	0.62	12.19	5.58	0.01	0.01	73
1224	0.63	12.19	0.58	12.19	0.53	10.24	0.42	11.13	0.43	12.19	0.66	12.19	5.44	0.01	0.00	74
1330	0.66	12.19	0.60	12.19	0.56	12.19	0.43	12.19	0.42	12.80	0.68	11.64	5.32	0.00	-0.03	72
1404	0.63	9.48	0.57	12.19	0.55	12.19	0.44	12.19	0.46	12.19	0.64	12.19	5.32	0.00	-0.03	72
1438	0.63	12.19	0.59	12.19	0.57	12.19	0.44	12.19	0.46	12.19	0.65	12.19	5.36	0.00	-0.04	73
1512	0.61	12.19	0.60	12.19	0.56	12.19	0.44	12.19	0.44	12.80	0.64	11.64	5.47	0.00	-0.05	73
1546	0.63	12.19	0.59	12.80	0.56	11.64	0.45	12.19	0.41	11.64	0.66	11.64	5.56	0.00	-0.04	73
1620	0.62	11.64	0.60	10.24	0.55	12.19	0.44	12.19	0.35	12.19	0.63	12.19	5.69	0.00	-0.05	77
1654	0.62	10.67	0.60	12.19	0.56	12.19	0.46	12.19	0.34	12.19	0.63	11.64	5.87	0.00	-0.05	73
1930	0.69	11.64	0.63	12.19	0.58	12.19	0.52	12.19	0.44	12.19	0.65	11.64	6.44	0.01	-0.01	74
2004	0.66	11.64	0.63	12.80	0.57	11.64	0.50	12.80	0.41	11.64	0.62	11.64	6.43	0.01	-0.01	75
2038	0.65	12.19	0.68	10.67	0.56	11.64	0.47	11.64	0.39	11.64	0.66	12.19	6.41	0.01	0.00	70
2112	0.65	11.64	0.64	11.13	0.55	12.19	0.47	12.19	0.42	12.19	0.64	12.19	6.34	0.01	0.00	76
2146	0.71	11.64	0.65	11.64	0.56	11.64	0.48	11.64	0.40	11.64	0.69	11.64	6.23	0.01	0.02	78
2220	0.66	11.64	0.62	12.19	0.52	11.64	0.44	11.64	0.40	12.80	0.68	12.19	6.09	0.01	0.03	74
2254	0.67	11.64	0.63	11.13	0.53	12.19	0.44	12.19	0.37	12.19	0.69	11.64	5.94	0.01	0.03	72
							20 September 1986									
130	0.62	10.67	0.62	11.64	0.50	11.13	0.41	11.13	0.52	11.13	0.64	11.64	5.40	0.02	0.03	72
204	0.63	11.13	0.55	11.13	0.51	10.67	0.42	11.64	0.46	11.13	0.67	11.13	5.40	0.02	0.03	74
238	0.67	11.13	0.60	11.64	0.60	11.64	0.49	11.64	0.51	11.64	0.66	11.13	5.47	0.02	0.03	75
312	0.66	11.64	0.61	11.64	0.56	11.64	0.46	11.64	0.47	11.13	0.63	11.64	5.55	0.02	0.03	77
346	0.72	11.64	0.65	10.67	0.57	11.64	0.48	11.64	0.40	11.64	0.68	11.13	5.64	0.02	0.03	75
420	0.65	10.67	0.61	11.13	0.59	10.67	0.48	11.64	0.37	11.64	0.68	11.13	5.77	0.02	0.02	74
454	0.67	11.13	0.59	10.67	0.55	12.19	0.49	10.67	0.40	10.67	0.68	11.13	5.93	0.02	0.02	75
900	0.66	10.67	0.58	10.24	0.55	11.13	0.47	12.80	0.39	12.80	0.64	12.19	6.54	0.05	0.04	73
934	0.63	10.67	0.65	11.64	0.51	12.19	0.44	12.19	0.37	10.24	0.65	10.67	6.49	0.05	0.04	76
1008	0.64	9.85	0.60	10.24	0.57	10.67	0.48	10.24	0.42	10.24	0.65	10.24	6.39	0.05	0.04	77
1042	0.67	10.24	0.63	12.19	0.55	12.19	0.46	13.47	0.39	10.24	0.64	11.13	6.24	0.05	0.05	72
1116	0.61	11.13	0.63	11.64	0.57	11.64	0.47	10.24	0.43	10.24	0.71	12.19	6.08	0.05	0.06	71
1150	0.60	10.24	0.58	12.80	0.54	12.80	0.44	12.19	0.38	12.80	0.62	11.13	5.90	0.05	0.05	74
1224	0.67	12.19	0.61	12.80	0.57	12.80	0.47	12.80	0.40	12.80	0.65	11.64	5.72	0.04	0.04	71
1330	0.64	11.64	0.57	11.64	0.57	11.64	0.47	12.19	0.52	12.19	0.62	11.13	5.48	0.03	0.02	74
1404	0.65	10.67	0.60	10.67	0.59	11.64	0.47	11.64	0.53	11.64	0.64	11.13	5.41	0.02	0.01	72
1438	0.65	11.13	0.61	11.64	0.58	10.24	0.45	11.64	0.49	11.64	0.58	11.13	5.43	0.01	0.00	69
1512	0.64	12.19	0.59	11.13	0.61	11.13	0.48	11.13	0.50	11.13	0.65	10.67	5.49	0.01	-0.02	70
1546	0.70	11.13	0.62	11.13	0.52	11.13	0.44	11.13	0.44	11.13	0.65	11.64	5.55	0.00	-0.02	70
1620	0.63	10.67	0.59	10.24	0.55	9.85	0.45	12.19	0.40	12.19	0.68	11.13	5.61	0.00	-0.01	67
1654	0.68	11.64	0.59	11.64	0.57	11.64	0.49	11.64	0.37	13.47	0.63	10.67	5.73	0.00	-0.01	66
1800	0.62	10.24	0.60	11.13	0.53	11.13	0.45	11.13	0.40	11.13	0.72	11.13	6.03	0.00	-0.01	71
1834	0.64	11.64	0.64	10.67	0.54	12.80	0.45	12.80	0.39	12.80	0.63	11.13	6.20	0.01	-0.01	72
1908	0.62	11.13	0.69	10.67	0.55	10.67	0.45	11.13	0.39	10.67	0.66	12.80	6.29	0.01	0.00	67
1942	0.65	12.19	0.62	12.19	0.54	12.19	0.46	11.64	0.37	11.64	0.64	10.67	6.39	0.01	0.00	72
2016	0.65	12.80	0.63	10.67	0.55	10.67	0.46	10.67	0.37	10.67	0.63	11.13	6.42	0.01	-0.01	69
2050	0.63	11.13	0.59	11.64	0.52	11.13	0.45	11.13	0.36	10.67	0.63	12.80	6.41	0.01	0.00	65
2124	0.66	11.13	0.62	11.13	0.54	11.13	0.47	11.13	0.37	10.67	0.66	10.67	6.38	0.01	-0.02	70
2230	0.63	11.13	0.59	12.80	0.52	12.19	0.46	12.19	0.38	11.13	0.62	12.80	6.22	0.02	-0.05	70
2304	0.61	10.67	0.61	9.85	0.51	10.67	0.44	11.13	0.37	13.47	0.66	12.80	6.09	0.02	-0.05	74
2338	0.64	11.64	0.59	11.64	0.54	11.64	0.47	11.13	0.38	10.67	0.63	12.80	5.93	0.02	-0.05	76
							21 September 1986									
12	0.63	10.67	0.62	11.64	0.56	11.64	0.46	11.64	0.33	11.64	0.66	12.80	5.78	0.02	-0.04	72
46	0.66	10.24	0.58	11.64	0.54	12.19	0.46	12.80	0.40	12.19	0.64	12.80	5.61	0.02	-0.04	70
120	0.62	11.64	0.64	11.13	0.54	13.47	0.46	12.80	0.46	14.22	0.63	10.67	5.49	0.02	-0.06	76
154	0.63	12.19	0.63	10.67	0.55	12.19	0.45	12.19	0.50	12.80	0.66	12.19	5.45	0.02	-0.07	71
900	0.59	12.80	0.58	12.80	0.53	11.64	0.45	11.64	0.36	11.64	0.58	11.13	6.55	0.02	-0.09	72

(Continued)

(Sheet 4 of 10)

Table A1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
934	0.64	12.80	0.54	12.19	0.50	12.80	0.44	12.80	0.36	12.80	0.60	12.19	6.52	0.02	-0.08	71
1008	0.58	11.64	0.54	12.19	0.51	12.19	0.44	12.19	0.35	12.80	0.59	12.19	6.46	0.02	-0.07	69
1042	0.56	12.19	0.58	11.64	0.55	12.19	0.45	12.19	0.35	12.80	0.61	12.80	6.36	0.02	-0.06	72
1116	0.59	12.19	0.57	12.80	0.52	12.19	0.44	13.47	0.34	13.47	0.56	12.80	6.23	0.02	-0.05	70
1150	0.57	12.80	0.55	11.64	0.50	12.19	0.43	12.80	0.36	12.80	0.59	12.80	6.10	0.02	-0.04	74
1224	0.56	12.19	0.52	12.80	0.48	12.80	0.40	12.19	0.33	12.80	0.60	12.80	5.93	0.02	-0.04	73
1330	0.54	12.80	0.56	12.19	0.50	12.19	0.40	13.47	0.29	13.47	0.59	12.80	5.66	0.02	-0.03	74
1404	0.55	12.19	0.54	12.19	0.49	10.67	0.39	11.64	0.34	12.19	0.57	12.80	5.56	0.02	-0.03	77
1438	0.54	12.19	0.52	11.64	0.44	11.64	0.36	13.47	0.35	12.19	0.57	11.64	5.51	0.02	-0.03	71
1512	0.53	12.80	0.49	12.80	0.49	12.80	0.38	12.80	0.38	12.80	0.58	11.64	5.53	0.02	-0.04	75
1546	0.52	11.64	0.55	12.19	0.50	12.80	0.38	12.80	0.34	12.19	0.58	11.64	5.55	0.01	-0.04	69
1620	0.57	12.19	0.55	11.13	0.48	11.13	0.37	12.80	0.33	14.22	0.61	12.80	5.59	0.02	-0.05	71
1654	0.52	11.13	0.51	12.19	0.48	12.19	0.38	12.19	0.29	12.19	0.56	11.64	5.68	0.02	-0.05	68
1800	0.57	12.19	0.50	12.19	0.47	11.64	0.40	12.19	0.26	11.64	0.55	12.80	5.84	0.02	-0.06	72
1834	0.52	11.64	0.49	10.67	0.49	12.80	0.40	12.80	0.34	13.47	0.56	10.67	5.97	0.02	-0.06	72
1908	0.54	12.80	0.48	12.19	0.45	11.13	0.37	10.67	0.32	9.85	0.52	11.13	6.12	0.03	-0.06	75
1942	0.53	12.19	0.51	12.80	0.44	12.80	0.37	12.80	0.31	12.80	0.55	11.64	6.26	0.03	-0.06	73
2016	0.53	11.64	0.49	10.67	0.44	12.80	0.39	12.80	0.31	12.80	0.57	11.64	6.36	0.03	-0.06	71
2050	0.54	11.13	0.49	11.64	0.48	11.64	0.39	11.64	0.31	12.80	0.51	12.19	6.40	0.03	-0.05	72
2124	0.52	12.19	0.50	12.19	0.45	12.19	0.37	12.80	0.29	12.19	0.55	12.19	6.38	0.03	-0.03	72
2230	0.56	11.64	0.48	12.19	0.48	11.64	0.40	11.64	0.29	12.19	0.52	12.19	6.29	0.04	0.00	76
2304	0.51	12.80	0.46	12.19	0.45	12.19	0.36	11.64	0.30	12.19	0.53	11.64	6.22	0.04	0.02	75
2338	0.53	12.19	0.49	11.13	0.44	11.64	0.37	12.19	0.31	12.19	0.54	12.19	6.12	0.04	0.02	70
							22 September 1986									
12	0.57	11.64	0.53	12.19	0.49	12.19	0.44	12.80	0.39	12.80	0.51	12.80	6.00	0.05	0.03	79
46	0.59	11.64	0.57	11.64	0.56	12.19	0.51	12.19	0.39	12.19	0.54	12.19	5.87	0.06	0.04	78
120	0.62	12.19	0.59	12.19	0.58	10.67	0.53	10.67	0.40	2.88	0.55	11.64	5.75	0.05	0.04	78
154	0.64	11.64	0.61	11.64	0.57	10.24	0.52	12.19	0.41	2.81	0.59	11.64	5.67	0.04	0.04	74
300	0.65	11.64	0.62	10.67	0.58	11.64	0.51	11.13	0.47	2.94	0.63	12.19	5.62	0.04	0.05	76
334	0.67	10.24	0.66	12.19	0.60	12.19	0.54	12.19	0.47	3.05	0.68	11.64	5.64	0.04	0.06	77
408	0.71	3.28	0.71	10.67	0.68	3.37	0.61	3.46	0.48	3.33	0.74	12.19	5.69	0.04	0.06	78
442	0.82	3.51	0.76	3.56	0.72	3.46	0.66	3.66	0.51	3.56	0.83	3.37	5.78	0.05	0.07	77
516	0.87	3.88	0.88	3.88	0.78	3.46	0.74	3.77	0.59	3.61	0.94	3.56	5.85	0.05	0.08	76
550	0.93	4.06	0.91	3.82	0.86	4.06	0.79	4.00	0.63	4.00	0.95	3.94	5.99	0.05	0.09	81
730	1.02	4.74	1.00	4.57	0.95	4.27	0.87	4.57	0.70	4.49	1.03	4.66	6.44	0.05	0.09	83
804	1.18	4.74	0.98	4.74	0.96	4.66	0.90	4.92	0.71	4.49	1.11	4.66	6.56	0.05	0.11	36
838	1.09	4.92	1.02	4.57	0.99	4.57	1.01	4.83	0.74	5.12	1.10	4.83	6.65	0.05	0.11	75
912	1.15	4.74	1.06	4.92	0.95	5.02	0.92	4.92	0.78	5.22	1.10	4.92	6.69	0.06	0.11	37
946	1.09	5.33	1.06	5.02	0.95	5.22	0.93	5.45	0.74	5.33	1.11	5.33	6.69	0.06	0.11	41
1020	1.12	5.57	1.05	5.22	0.92	5.12	0.92	5.45	0.72	5.22	1.07	5.12	6.65	0.06	0.11	41
1054	1.08	5.69	0.95	5.57	0.92	5.69	0.88	5.33	0.73	5.33	1.01	5.57	6.57	0.05	0.13	39
1200	1.04	5.82	0.89	5.57	0.83	5.45	0.82	5.45	0.68	5.82	0.92	4.41	6.37	0.06	0.12	81
1234	1.03	5.69	0.88	5.69	0.89	5.82	0.79	5.82	0.71	5.57	0.97	5.82	6.26	0.06	0.12	39
1308	1.01	5.95	0.88	5.45	0.82	4.66	0.78	5.45	0.69	5.69	0.91	6.09	6.12	0.06	0.11	45
1342	1.02	6.74	0.88	6.56	0.83	5.33	0.81	5.82	0.66	5.95	0.95	6.24	5.96	0.06	0.10	48
1416	0.95	6.74	0.91	6.56	0.83	6.09	0.78	5.82	0.61	6.09	0.94	6.24	5.83	0.06	0.10	48
1450	1.01	6.74	0.86	6.56	0.84	6.40	0.73	6.40	0.58	6.92	0.92	6.40	5.76	0.05	0.09	48
1524	0.98	6.40	0.89	6.40	0.83	6.56	0.73	6.56	0.57	6.40	0.90	6.92	5.72	0.06	0.07	57
2100	0.91	6.74	0.79	6.74	0.73	6.40	0.62	6.40	0.51	6.56	0.83	6.40	6.33	0.04	0.03	75
2134	0.86	6.24	0.77	11.64	0.73	6.24	0.63	6.09	0.50	6.40	0.74	6.92	6.38	0.05	0.03	78
2208	0.85	7.11	0.73	7.31	0.70	6.56	0.62	6.40	0.50	6.40	0.78	7.11	6.34	0.05	0.03	54
2242	0.87	6.56	0.74	10.67	0.71	10.67	0.59	6.56	0.47	5.57	0.76	6.92	6.30	0.04	0.03	57
2316	0.90	7.11	0.73	10.24	0.68	6.92	0.58	7.11	0.46	5.12	0.77	7.11	6.25	0.05	0.03	54
2350	0.83	7.11	0.74	7.11	0.66	7.11	0.56	11.13	0.48	4.92	0.75	6.92	6.14	0.04	0.03	57

(Continued)

(Sheet 5 of 10)

Table A1 (Continued)

Time EST	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
			11 September 1986				
5				1022.6	22.3	3.15	170
39				1022.4	22.2	3.01	172
113				1022.1	22.6	3.15	186
147				1021.9	22.5	3.10	191
438	0.03	7.11		1022.4	22.2	2.78	196
512	0.03	8.26		1022.4	22.2	2.34	195
546	0.03	7.31		1022.6	22.3	2.43	197
620	0.03	7.53		1022.7	22.9	2.14	205
654	0.03	8.26		1022.7	23.6	2.19	187
802				1022.7	24.9	2.76	199
1442	0.47	10.24		1018.4	28.7	5.79	181
1516	0.47	9.48		1018.3	28.4	5.99	179
1550	0.49	3.33	122	1017.9	28.1	5.89	179
1624	0.51	3.37		1017.7	27.6	5.69	183
1658	0.50	3.71		1017.5	27.1	5.49	186
1732	0.47	10.24	121	1017.5	26.4	5.68	187
1806	0.47	9.48		1017.4	25.8	5.48	187
2057	0.49	8.83		1016.9	24.6	6.22	185
2131	0.47	9.48		1016.8	24.4	5.55	187
2205	0.48	9.14	121	1016.6	24.4	5.38	189
2239	0.50	9.48		1016.5	24.2	5.25	192
2313	0.51	9.14		1016.4	24.0	6.10	205
2347	0.50	9.48	122	1016.3	24.1	6.49	209
			12 September 1986				
21	0.47	9.14		1016.0	24.2	6.57	212
312	0.51	9.14		1013.8	23.9	6.80	213
346	0.50	8.83		1013.8	23.9	7.01	217
420	0.51	9.48	115	1013.9	23.9	6.49	216
454	0.51	9.48		1014.0	23.8	6.59	219
528	0.52	9.14		1014.0	23.7	6.76	222
602	0.52	8.83	109	1013.9	23.8	6.59	220
636	0.52	9.48		1013.8	24.1	6.95	223
800	0.51	9.48		1013.1	25.4	7.56	222
834	0.51	9.48		1012.9	26.3	7.38	217
908	0.52	8.83	107	1012.9	26.8	6.77	220
942	0.53	9.14		1012.8	27.7	6.75	217
1016	0.52	9.48		1012.5	28.2	6.79	217
1050	0.52	8.26	103	1012.3	28.9	7.29	218
1124	0.50	7.76		1012.3	29.4	7.61	229
1316	0.58	9.48		1011.2	29.5	7.06	232
1350	0.55	9.48		1011.1	28.7	5.13	230
1424	0.56	8.83		1011.0	27.3	6.05	241
1458	0.53	8.83		1011.6	24.9	8.85	257
1532	0.54	6.24		1011.5	24.2	4.63	250
1606	0.54	9.48		1011.4	24.4	3.57	217
1640	0.49	8.83		1011.8	24.5	2.89	183
1900	0.44	8.83		1012.8	24.5	3.37	208
1934	0.44	8.83		1012.8	24.6	2.55	197
2008	0.40	8.53	102	1013.6	23.1	4.56	205
2042	0.41	9.14		1013.6	22.7	0.69	141
2116	0.41	9.14		1013.5	23.1	4.15	268
2150	0.40	9.14	103	1013.5	23.1	4.77	267
2224	0.40	13.47		1013.4	23.2	4.35	284
			13 September 1986				
100	0.43	13.47		1013.7	23.1	4.60	326
134	0.45	8.83		1013.8	23.1	5.17	338
208	0.42	8.53	93	1014.1	22.6	5.56	347
242	0.43	13.47		1014.3	22.3	6.35	353
316	0.50	13.47		1014.5	22.1	8.26	359
350	0.63	3.61	14	1015.1	22.4	9.64	17
424	0.78	3.56		1015.8	22.5	11.30	31
700	1.27	5.22		1018.1	21.9	11.27	21
734	1.30	5.22		1018.3	21.7	10.87	20
808	1.23	5.33	26	1018.7	21.8	9.64	19
842	1.26	5.45		1019.0	22.0	9.71	15
916	1.25	5.45		1019.4	22.1	9.15	18
950	1.26	5.57	39	1019.7	22.2	9.33	11
1024	1.13	5.57		1019.7	22.1	9.35	8
1300	1.09	5.45		1019.7	21.8	8.54	12
1334	1.03	5.57		1019.5	22.0	8.26	11
1408	1.10	5.69	25	1019.6	21.8	7.87	15

(Continued)

(Sheet 6 of 10)

Table A1 (Continued)

Time EST	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
1442	1.06	5.82		1019.5	21.8	7.72	12
1516	1.04	5.69		1019.5	21.5	8.28	13
1550	1.02	5.69	37	1019.4	21.3	8.76	15
1624	0.98	5.82		1019.5	21.3	8.31	17
1900	0.85	5.45		1020.7	20.4	6.85	11
1934	0.84	5.82		1020.9	20.4	7.39	18
2008	0.82	11.13	39	1021.1	20.2	6.46	20
2042	0.84	6.09		1021.3	20.1	6.32	10
2116	0.77	5.95		1021.3	20.0	5.86	4
2150	0.82	5.95	48	1021.3	20.2	5.56	3
2224	0.80	11.13		1021.3	20.4	5.50	5
			14 September 1986				
100	0.80	5.95		1021.5	20.5	5.52	20
134	0.77	10.67		1021.4	20.5	5.63	19
208	0.80	5.69	45	1021.4	20.4	4.57	23
242	0.74	10.67		1021.4	20.4	4.25	23
316	0.74	5.22		1021.5	20.3	4.45	11
350	0.76	5.69	45	1021.8	19.0	2.87	328
424	0.74	10.24		1022.0	18.6	3.14	324
700	0.69	10.24		1023.6	20.8	3.93	342
734	0.69	10.24		1023.7	21.4	4.48	346
808	0.70	10.24	40	1024.2	21.7	5.01	346
842	0.78	10.24		1024.6	22.4	5.02	351
916	0.79	10.67		1024.9	22.7	6.64	1
950	0.85	9.85	42	1025.0	22.7	7.69	5
1024	0.84	10.24		1025.1	22.9	7.29	3
1300	0.83	9.85		1025.0	22.8	6.69	36
1334	0.80	10.24		1024.6	22.5	6.57	40
1408	0.82	10.24	82	1024.5	22.2	6.58	43
1442	0.86	9.48		1024.4	21.7	6.74	47
1516	0.82	9.48		1024.2	21.5	6.45	50
1550	0.84	9.85	83	1024.1	21.6	6.16	57
1624	0.94	9.48		1024.1	21.7	5.82	59
1900	0.94	9.14		1024.6	20.6	5.41	77
1934	1.00	9.85		1024.9	20.6	5.19	84
2008	0.94	10.24	85	1025.2	20.5	4.83	89
2042	0.91	8.83		1025.6	20.5	4.71	87
2116	0.97	10.24		1025.6	20.5	4.69	94
2150	1.04	9.14	81	1025.8	20.4	4.64	98
2224	1.00	9.14		1025.8	20.4	4.35	100
			15 September 1986				
100	1.08	10.67		1025.1	20.5	3.71	117
134	1.03	10.67		1024.9	20.1	3.26	128
208	1.09	10.24	81	1024.8	19.4	2.20	148
242	1.05	9.85		1024.8	18.8	1.79	141
316	1.00	10.24		1024.7	19.1	2.47	123
350	1.00	10.67	84	1024.9	19.7	2.69	125
424	1.02	10.67		1025.2	19.6	2.78	122
900	1.02	11.13		1026.7	23.2	2.91	116
934	0.95	11.13		1026.7	23.8	3.75	123
1008	0.95	10.67	99	1026.6	24.3	4.12	131
1042	0.93	10.67		1026.3	23.8	4.22	135
1116	0.92	9.48		1025.9	23.4	5.56	136
1150	0.89	9.48	97	1025.4	24.0	5.88	135
1224	0.94	10.24		1025.0	24.4	6.26	133
1317	0.86	10.24		1024.2	24.5	6.08	131
1351	0.94	10.24		1023.8	25.2	6.73	130
1425	0.83	8.53	88	1023.6	24.9	6.85	130
1459	0.85	10.24		1023.3	24.0	6.86	136
1533	0.91	9.85		1023.0	23.9	6.09	144
1607	0.86	9.85	101	1022.9	24.9	4.85	177
1641	0.83	10.67		1022.9	23.9	4.46	164
1917	0.87	9.85		1022.8	21.9	3.15	170
1951	0.82	10.24		1022.9	21.6	3.30	167
2025	0.82	10.24	98	1022.9	21.7	3.45	177
2059	0.82	10.24		1022.7	22.5	4.24	184
2133	0.86	9.14		1022.6	22.5	4.55	192
2207	0.81	10.67	101	1022.5	22.4	5.05	201
2241	0.80	10.67		1022.2	22.2	5.36	205
			16 September 1986				
117	0.70	10.67		1020.4	22.3	6.23	214
151	0.72	9.48		1020.2	22.3	5.98	217

(Continued)

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Table A1 (Continued)

Time EST	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
225	0.67	9.85	98	1020.1	22.3	5.76	220
259	0.70	10.24		1019.9	22.3	5.75	223
333	0.70	9.85		1019.7	22.3	6.40	223
407	0.63	10.24	99	1019.6	22.1	6.84	227
441	0.65	10.67		1019.6	22.1	6.65	232
1008	0.60	9.85		1020.2	25.4	4.52	273
1042	0.56	11.64		1020.4	26.2	4.37	310
1116	0.58	10.67	101	1020.5	26.3	5.96	351
1150	0.59	10.24		1020.8	24.6	8.47	3
1224	0.73	11.13		1020.8	22.6	13.70	10
1258	1.04	10.24	3	1021.2	20.9	13.57	30
1332	1.04	4.13		1021.5	20.7	11.99	34
1608	1.43	5.33		1022.2	18.9	10.16	39
1642	1.50	5.57		1022.5	18.6	9.35	41
1716	1.47	5.95	47	1022.7	18.5	8.92	36
1750	1.49	6.24		1022.7	18.3	8.73	41
1824	1.53	6.74		1022.8	18.4	8.73	41
1858	1.57	6.74	47	1023.1	18.3	8.67	39
1932	1.53	7.11		1023.6	18.2	9.36	38
2208	1.41	7.31		1024.7	18.4	9.58	40
2242	1.50	7.53		1024.7	18.4	9.88	39
2316	1.52	7.11	51	1024.8	18.3	9.85	40
2350	1.58	6.74		1025.1	18.2	9.79	39
			17 September 1986				
24	1.58	7.31		1025.1	18.2	9.55	36
58	1.43	5.57	51	1025.1	18.1	8.87	38
132	1.54	7.11		1025.1	18.2	9.01	29
1040	1.32	7.11		1028.8	17.4	8.72	3
1114	1.32	7.53		1028.8	17.8	8.44	4
1148	1.25	7.31	52	1028.4	17.8	8.50	14
1222	1.24	7.11		1028.2	18.0	8.65	14
1256	1.28	6.92		1027.9	18.3	7.93	15
1330	1.22	6.74	55	1027.5	18.3	7.74	15
1404	1.21	7.53		1027.3	18.6	7.89	19
1655	1.18	7.31		1027.0	18.1	7.43	43
1729	1.16	7.31		1027.0	17.8	7.37	51
1803	1.17	7.11	52	1027.0	17.8	6.89	58
1837	1.14	7.31		1027.0	17.7	6.64	64
1911	1.08	5.95		1027.2	17.6	6.75	63
1945	1.13	8.00	50	1027.4	17.4	6.45	70
2019	1.10	7.31		1027.5	17.4	6.30	72
2310	1.02	8.00		1028.1	17.8	2.79	95
2344	0.96	7.53		1028.1	17.8	2.73	70
			18 September 1986				
18	1.00	7.31	57	1028.1	18.0	2.35	85
52	0.94	7.53		1028.2	18.0	2.36	102
126	1.01	7.11		1028.0	17.7	2.79	99
200	0.93	9.48	57	1027.8	17.1	1.05	97
234	0.96	6.92		1027.8	15.6	0.33	52
525	0.97	10.24		1027.7	17.6	3.88	53
559	1.05	9.14		1027.9	17.9	4.27	58
707	1.06	9.85		1028.0	19.3	4.11	78
741	1.01	9.14		1027.9	19.5	4.06	76
815	1.04	9.14	97	1027.9	19.9	4.44	76
849	0.97	9.48		1028.0	20.5	4.77	83
1000	0.98	9.85		1028.0	21.8	4.62	93
1034	1.01	10.24		1027.9	22.3	4.01	94
1108	0.99	9.48	94	1027.8	22.7	3.23	94
1142	0.94	9.48		1027.5	22.8	3.30	102
1216	0.91	9.14		1027.2	22.9	3.68	96
1250	0.96	9.48	93	1026.5	23.1	3.78	98
1324	0.93	9.48		1026.1	22.7	3.82	108
1600	0.89	9.85		1024.7	22.4	5.36	123
1634	0.93	9.14		1024.6	22.2	5.41	124
1708	0.93	9.48	95	1024.3	21.5	5.96	128
1742	0.88	9.48		1024.2	20.8	5.95	136
1816	0.91	9.48		1024.1	20.7	5.26	144
1850	0.83	9.14	94	1024.1	20.0	3.60	157
1924	0.85	9.48		1024.4	19.5	2.96	281
2200	0.77	8.53		1024.7	19.0	3.34	171
2234	0.75	9.14		1024.7	19.3	3.16	176

(Continued)

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Table A1 (Continued)

Time EST	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
2308	0.78	9.48	92	1024.6	19.7	2.83	178
2342	0.75	9.14		1024.6	20.2	3.65	195
			19 September 1986				
16	0.75	9.48		1024.4	20.2	4.19	203
50	0.78	9.14	94	1024.2	20.1	3.82	208
124	0.77	9.48		1023.9	20.0	3.71	212
400	0.77	10.24		1023.0	20.6	4.09	215
434	0.75	9.14		1022.9	20.8	4.03	212
508	0.75	10.24	92	1023.0	20.6	3.37	216
542	0.76	9.14		1023.2	20.6		
616	0.69	11.13		1023.5	20.7	3.58	219
650	0.72	9.14	92	1023.7	21.1	4.27	220
724	0.69	10.24		1023.8	21.3	4.52	223
900	0.65	11.64		1023.8	22.0	4.97	230
934	0.62	9.48		1023.8	22.3	5.28	232
1008	0.65	8.83	90	1023.6	22.8	5.11	232
1042	0.65	10.67		1023.2	23.1	5.28	233
1116	0.60	11.13		1022.9	24.0	4.97	227
1150	0.60	10.24	85	1022.5	24.3	5.32	238
1224	0.62	12.19		1022.1	24.1	5.19	247
1330	0.58	12.19		1021.5	24.7	4.56	244
1404	0.63	9.48		1021.3	24.9	4.37	242
1438	0.64	12.19	92	1021.0	24.6	4.93	254
1512	0.61	9.48		1021.0	24.2	5.30	254
1546	0.60	12.19		1021.0	24.0	4.20	248
1620	0.59	12.19	88	1020.9	23.7	2.70	247
1654	0.60	10.67		1020.9	23.3	2.39	241
1930	0.63	12.19		1021.4	22.2	2.27	172
2004	0.63	11.64		1021.4	22.2	2.75	188
2038	0.63	12.19	89	1021.5	22.1	2.11	197
2112	0.61	11.64		1021.8	21.9	2.33	212
2146	0.60	12.19		1022.1	22.0	2.51	231
2220	0.60	11.13	82	1022.1	21.9	2.24	248
2254	0.62	11.13		1022.1	21.7	1.20	261
			20 September 1986				
130	0.62	11.64		1020.9	21.1	2.51	240
204	0.65	11.64		1020.9	21.1	2.48	240
238	0.61	11.13	84	1020.8	21.0	2.43	241
312	0.69	11.64		1020.8	21.0	2.05	242
346	0.65	11.64		1020.7	20.9	1.88	253
420	0.63	11.64	81	1020.7	20.7	1.64	275
454	0.64	11.64		1021.0	21.0	1.38	337
900	0.61	10.24		1022.5	22.7	2.96	96
934	0.68	10.67		1022.5	23.3	3.38	107
1008	0.63	10.67	75	1022.6	23.7	3.97	107
1042	0.60	13.47		1022.6	23.9	4.17	104
1116	0.61	10.67		1022.7	23.8	4.23	98
1150	0.65	10.67	84	1022.7	23.5	4.51	93
1224	0.65	11.13		1022.3	23.4	5.44	94
1330	0.65	12.19		1021.5	23.7	4.09	113
1404	0.64	11.64		1021.4	23.8	3.61	124
1438	0.62	12.80	86	1021.2	23.9	2.80	125
1512	0.65	11.64		1020.9	23.3	2.83	118
1546	0.63	10.24		1020.9	23.3	2.22	129
1620	0.64	11.64	85	1020.5	23.5	3.21	135
1654	0.63	11.13		1020.4	23.0	2.94	124
1800	0.66	11.13		1020.8	22.1	3.64	120
1834	0.69	11.13		1020.8	21.9	3.52	116
1908	0.70	10.24	82	1020.9	21.7	2.96	113
1942	0.63	12.19		1020.9	21.6	3.20	113
2016	0.60	11.13		1021.0	21.7	3.08	109
2050	0.61	11.64	86	1020.9	21.6	3.99	118
2124	0.62	11.13		1021.0	21.5	3.51	119
2230	0.61	11.13		1021.0	21.4	3.64	119
2304	0.60	11.13		1020.9	21.4	3.54	117
2338	0.65	10.67	86	1020.9	21.4	3.53	110
			21 September 1986				
12	0.63	10.67		1020.8	21.3	3.51	114
46	0.64	10.67		1020.8	21.2	4.07	116
120	0.58	10.24	82	1020.6	21.0	4.11	122
154	0.59	10.24		1020.5	21.1	3.99	124
900	0.57	11.64		1021.4	23.5	2.32	124

(Continued)

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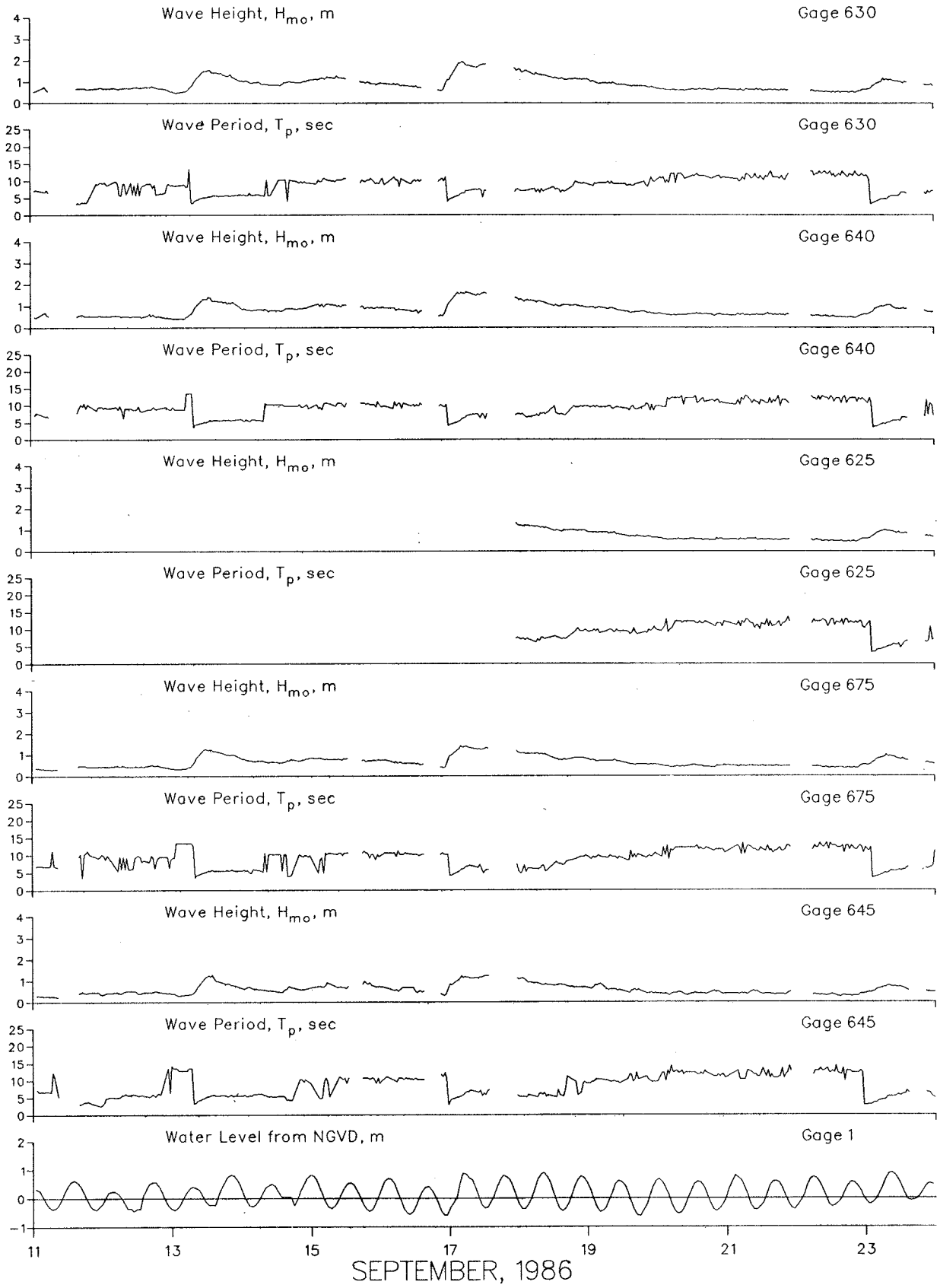
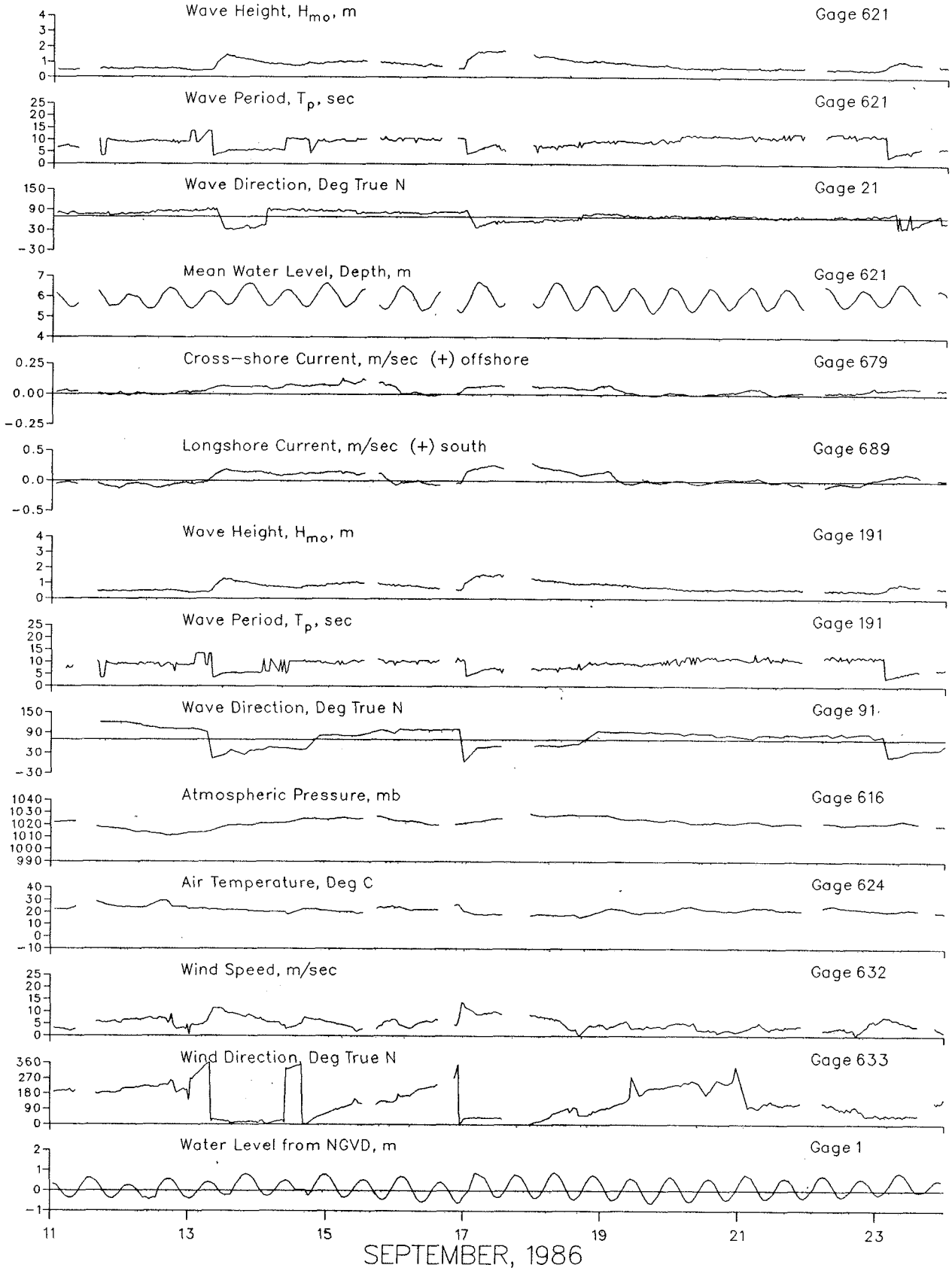
Table A1 (Concluded)

Time EST	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
934	0.55	12.19		1021.4	24.2	2.44	123
1008	0.54	12.19	88	1021.4	24.5	2.40	116
1042	0.58	11.64		1021.3	25.0	2.21	107
1116	0.57	12.80		1021.3	25.1	2.62	114
1150	0.60	12.80	82	1021.2	25.6	2.63	118
1224	0.61	12.19		1020.9	25.7	2.87	113
1330	0.55	11.13		1020.6	24.8	3.17	96
1404	0.60	12.80		1020.4	24.3	3.16	95
1438	0.56	11.13	90	1020.1	24.0	3.60	85
1512	0.50	11.64		1020.0	24.2	3.09	94
1546	0.52	11.64		1019.6	23.7	3.42	85
1620	0.53	12.19	82	1019.9	23.3	2.42	77
1654	0.58	10.24		1020.0	23.2	2.01	96
1800	0.56	12.19		1020.0	23.0	2.51	78
1834	0.53	11.64		1019.9	22.8	2.58	96
1908	0.51	11.64	86	1020.1	22.6	1.49	100
1942	0.56	12.19		1020.5	22.7	0.14	101
2016	0.53	12.19		1020.6	22.7	1.51	87
2050	0.53	11.64	89	1020.8	22.7	1.52	76
2124	0.52	12.19		1020.9	22.4	2.02	78
2230	0.49	11.64		1020.9	22.3	3.51	50
2304	0.50	11.64		1020.9	22.0	3.60	47
2338	0.48	12.19	89	1020.9	21.9	4.77	50
			22 September 1986				
12	0.53	12.19		1020.9	21.7	5.73	51
46	0.47	11.13		1021.0	22.1	5.73	51
120	0.50	12.19	76	1021.0	22.0	6.34	50
154	0.52	11.64		1020.9	21.8	5.33	61
300	0.54	12.19		1020.9	21.5	5.98	50
334	0.56	11.64		1021.0	21.3	6.79	45
408	0.61	12.19	82	1021.1	21.1	7.13	46
442	0.64	3.51		1021.2	20.9	7.95	49
516	0.76	3.77		1021.3	20.7	7.67	55
550	0.89	4.27	20	1021.4	20.9	7.85	49
730	0.93	4.41		1022.1	21.2	6.51	57
804	0.90	4.74		1022.3	21.3	6.71	52
838	0.92	4.92		1022.7	21.4	6.85	46
912	1.00	4.66		1022.9	21.7	6.65	52
946	0.96	5.33		1022.9	21.9	5.81	53
1020	0.93	4.92	26	1022.9	21.9	5.84	51
1054	0.96	5.57		1022.9	21.8	5.59	44
1200	0.86	5.57		1022.7	22.1	4.84	55
1234	0.82	6.09		1022.4	22.2	4.94	53
1308	0.87	5.95	38	1022.2	22.0	4.84	53
1342	0.86	6.24		1021.8	22.2	4.27	54
1416	0.81	6.56		1021.5	21.8	4.04	53
1450	0.83	6.56	39	1021.3	21.6	4.06	48
1524	0.85	6.24		1021.2	21.5	3.95	53
2100	0.70	6.92		1019.5	20.2	3.64	129
2134	0.74	6.74		1019.6	20.1	2.86	119
2208	0.69	7.11	42	1019.6	19.9	2.68	131
2242	0.69	6.74		1019.6	19.9	2.35	123
2316	0.74	6.92		1019.5	19.9	1.79	131
2350	0.71	7.31	54	1019.2	19.3	1.59	149

(Sheet 10 of 10)

APPENDIX B: PLOTS OF DATA COLLECTED IN SEPTEMBER 1986 ON THE VAX COMPUTER


Wave Height, H_{mo}, m
Gage 630
Wave Period, T_p, sec
Gage 630
Wave Height, H_{mo}, m
Gage 640
Wave Period, T_p, sec
Gage 640
Wave Height, H_{mo}, m
Gage 625
Wave Period, T_p, sec
Gage 625
Wave Height, H_{mo}, m
Gage 675
Wave Period, T_p, sec
Gage 675
Wave Height, H_{mo}, m
Gage 645
Wave Period, T_p, sec
Gage 645
Water Level from NGVD, m
Gage 1
11
13
15
17
19
21
23
SEPTEMBER, 1986


Wave Height, H_{mo}, m
Gage 621
Wave Period, T_p, sec
Gage 621
Wave Direction, Deg True N
Gage 21
Mean Water Level, Depth, m
Gage 621
Cross-shore Current, m/sec (+) offshore
Gage 679
Longshore Current, m/sec (+) south
Gage 689
Wave Height, H_{mo}, m
Gage 191
Wave Period, T_p, sec
Gage 191
Wave Direction, Deg True N
Gage 91
Atmospheric Pressure, mb
Gage 616
Air Temperature, Deg C
Gage 624
Wind Speed, m/sec
Gage 632
Wind Direction, Deg True N
Gage 633
Water Level from NGVD, m
Gage 1
11
13
15
17
19
21
23
SEPTEMBER, 1986

APPENDIX C: TABLES OF DATA COLLECTED IN OCTOBER 1986 ON THE VAX COMPUTER

Table C1

October SUPERDUCK Data Collected on the VAX Computer

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage: Pressure Sensor (621) Wave Height m	Current/Pressure Gage: Pressure Sensor (621) Wave Period sec	Current/Pressure Gage: Pressure Sensor (621) Depth m	Current/Pressure Gage: Current U (679) m/sec	Current/Pressure Gage: Current V (689) m/sec	Current/Pressure Gage: Wave Dir (21) deg
							3 October 1986									
955																
955	0.37	8.83	0.32	9.14	0.28	8.83	0.25	8.53	0.24	9.85	0.32	9.48	6.05	0.04	0.08	92
1029	0.36	9.48	0.31	9.85	0.28	8.83	0.24	8.83	0.19	12.80	0.30	12.19	5.89	0.05	0.08	84
1103	0.36	9.48	0.30	9.14	0.28	9.48	0.24	8.26	0.17	8.83	0.32	12.80	5.76	0.05	0.07	75
1137	0.35	8.26	0.30	9.14	0.26	9.48	0.23	13.47	0.19	9.48	0.32	9.14	5.63	0.05	0.07	91
1211	0.34	9.48	0.29	10.67	0.28	12.80	0.25	12.80	0.21	12.80	0.34	9.14	5.57	0.08	0.10	93
1245	0.34	12.19	0.31	8.26	0.28	9.48	0.25	9.14	0.22	9.48	0.32	7.76	5.56	0.10	0.10	94
1319	0.36	8.53	0.32	9.85	0.34	9.48	0.31	9.14	0.27	2.03	0.33	9.14	5.60	0.08	0.06	93
1700	0.41	8.83	0.45	2.67	0.37	9.48	0.36	2.61	0.33	2.56	0.32	12.80	6.46	-0.03	-0.01	75
1734	0.43	9.14	0.43	2.67	0.35	12.19	0.34	8.83	0.31	12.19	0.31	12.80	6.59	-0.01	-0.01	75
1808	0.39	9.48	0.43	2.69	0.31	12.80	0.32	12.80	0.27	8.83	0.32	12.80	6.63	-0.02	-0.01	73
1842	0.39	9.14	0.37	12.19	0.31	12.19	0.30	12.19	0.28	12.19	0.31	12.19	6.65	-0.03	0.00	85
1916	0.36	8.83	0.32	9.48	0.28	9.48	0.28	13.47	0.26	12.19	0.29	9.48	6.61	-0.01	-0.02	94
1950	0.36	9.14	0.31	9.14	0.26	12.80	0.26	12.80	0.24	12.80	0.29	12.19	6.54	-0.01	-0.03	73
2024	0.34	12.19	0.30	12.80	0.28	12.80	0.26	12.80	0.24	12.80	0.29	12.80	6.42	0.00	-0.02	81
							4 October 1986									
100	0.43	12.19	0.31	12.80	0.28	12.19	0.25	12.19	0.29	4.20	0.30	12.19	5.43	-0.03	-0.06	74
134	0.41	8.83	0.32	12.19	0.28	9.14	0.25	9.14	0.29	4.20	0.31	8.83	5.48	-0.03	-0.07	90
208	0.43	8.83	0.33	12.19	0.28	9.85	0.26	9.48	0.26	4.34	0.34	12.19	5.57	-0.03	-0.08	80
242	0.44	4.34	0.32	12.19	0.29	12.19	0.27	12.19	0.24	12.19	0.33	12.19	5.66	-0.04	-0.09	78
316	0.43	8.83	0.33	12.19	0.29	12.80	0.27	12.80	0.20	12.80	0.34	12.19	5.80	-0.05	-0.09	75
350	0.45	12.80	0.32	9.14	0.29	12.80	0.27	8.83	0.27	8.83	0.34	12.19	5.98	-0.04	-0.08	78
424	0.42	12.19	0.33	12.19	0.28	12.19	0.26	8.83	0.25	8.83	0.35	12.19	6.17	-0.04	-0.09	77
							5 October 1986									
1821	0.60	3.88	0.58	3.94	0.52	3.88	0.53	3.94	0.43	3.88	0.53	4.00	6.42	0.06	-0.17	10
1855	0.61	4.13	0.62	4.06	0.52	4.00	0.56	3.94	0.43	4.13	0.52	4.06	6.56	0.06	-0.15	18
1929	0.64	4.20	0.57	4.13	0.54	3.88	0.56	4.06	0.44	4.06	0.51	4.00	6.64	0.06	-0.15	18
2003	0.61	4.13	0.55	4.20	0.53	4.00	0.55	4.06	0.43	4.27	0.52	3.94	6.65	0.05	-0.14	18
2037	0.60	4.00	0.54	4.00	0.50	4.27	0.53	4.06	0.42	4.34	0.51	4.27	6.62	0.03	-0.12	27
2111	0.56	4.41	0.54	4.13	0.51	4.00	0.49	4.27	0.40	3.77	0.49	3.88	6.52	-0.01	-0.08	22
2145	0.56	4.34	0.53	3.94	0.45	3.88	0.46	4.13	0.38	2.94	0.46	3.82	6.42	-0.03	-0.04	27
							6 October 1986									
31	0.52	3.88	0.46	5.95	0.43	4.06	0.40	4.13	0.32	4.20	0.46	4.83	5.67	0.00	-0.01	74
105	0.54	5.57	0.47	5.57	0.44	5.82	0.40	4.27	0.38	5.45	0.47	5.69	5.57	0.00	-0.03	43
139	0.52	5.33	0.47	5.33	0.40	5.69	0.39	5.57	0.42	5.33	0.47	5.69	5.49	-0.02	-0.04	42
213	0.63	5.33	0.46	5.95	0.40	5.45	0.38	5.02	0.41	5.12	0.45	5.69	5.48	-0.02	-0.04	45
247	0.63	5.45	0.49	5.69	0.42	5.02	0.40	5.22	0.43	5.57	0.48	5.12	5.51	-0.02	-0.05	40
321	0.64	3.16	0.49	5.45	0.45	5.57	0.43	5.57	0.41	5.45	0.47	5.33	5.59	-0.02	-0.04	43
355	0.67	2.98	0.53	5.33	0.48	5.45	0.45	5.22	0.35	5.22	0.48	5.33	5.70	-0.02	-0.03	43
1400											1.69	5.69	5.70	0.04	0.25	34
1434											1.79	6.24	5.66	0.04	0.26	39
1508											1.65	6.74	5.73	0.05	0.24	41
1542											1.53	6.56	5.74	0.04	0.24	42
1616											1.34	6.09	5.77	0.03	0.23	34
1650											1.25	6.09	5.85	0.03	0.18	36
1724											1.22	6.09	5.95	0.03	0.16	36
1907											0.96	5.33	6.46	0.02	0.12	29
1941											0.93	5.33	6.59	0.02	0.12	27
2015											0.91	4.74	6.65	0.02	0.13	21
2049											0.93	5.45	6.65	0.03	0.14	25
2123											0.86	3.77	6.60	0.03	0.15	8
2157											0.80	4.92	6.55	0.03	0.16	20
2231											0.80	5.82	6.47	0.03	0.15	34
							7 October 1986									
117											1.10	5.95	5.80	0.04	0.17	37
151											1.09	5.82	5.71	0.03	0.17	37
225											1.04	5.69	5.65	0.03	0.15	36
259											1.07	5.33	5.63	0.03	0.16	35
333											1.05	5.45	5.66	0.03	0.14	32
407											1.07	5.02	5.72	0.03	0.13	28
441											0.98	5.22	5.83	0.03	0.11	32
735											0.89	5.45	6.67	0.03	0.07	31
809											0.88	4.66	6.80	0.03	0.09	33
843											0.88	7.11	6.88	0.06	0.09	51
917											0.87	5.45	6.89	0.05	0.10	36
951											0.85	5.33	6.87	0.07	0.11	30
1025											0.82	5.57	6.79	0.06	0.15	36
1059											0.82	5.22	6.71	0.06	0.19	31
1400											0.70	6.56	5.82	0.04	0.15	44
1434											0.70	6.40	5.69	0.04	0.12	52
1508											0.74	7.11	5.63	0.04	0.11	53
1542											0.75	6.40	5.60	0.03	0.10	48
1616											0.78	7.53	5.60	0.03	0.10	50

(Continued)

(Sheet 1 of 26)

Table C1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Wave Period sec	Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
1650											0.78	7.11	5.64	0.01	0.09	51
1724											0.77	7.53	5.71	0.02	0.10	51
2000											0.82	6.92	6.30	0.05	0.08	50
2034											0.81	6.24	6.42	0.04	0.09	48
2108											0.81	6.56	6.49	0.04	0.09	48
2142											0.79	6.74	6.49	0.05	0.10	53
2216											0.75	6.40	6.47	0.06	0.09	46
2250											0.73	5.95	6.40	0.06	0.09	44
2324											0.74	6.56	6.32	0.05	0.09	50
							8 October 1986									
200											0.70	7.53	5.79	0.04	0.07	64
234											0.72	5.82	5.67	0.04	0.05	56
308											0.72	3.28	5.61	0.03	0.04	73
342											0.78	3.33	5.60	0.03	0.01	90
416											0.77	3.37	5.64	0.02	0.00	77
450											0.87	3.33	5.68	0.01	-0.01	88
524											0.88	3.56	5.76	0.01	-0.03	85
830											0.86	4.06	6.60	0.03	-0.08	76
904											0.86	4.13	6.72	0.04	-0.07	76
938											0.83	3.94	6.79	0.05	-0.05	76
1012											0.82	4.27	6.80	0.06	-0.03	71
1046											0.80	4.27	6.76	0.07	-0.03	73
1120											0.76	4.20	6.71	0.06	-0.03	63
1154											0.73	4.74	6.63	0.05	-0.03	63
2100											0.74	5.57	6.28	-0.02	-0.08	90
2134											0.74	5.69	6.38	-0.02	-0.06	90
2208											0.75	5.45	6.44	-0.01	-0.06	96
2242											0.73	5.57	6.42	0.00	-0.05	92
2316											0.69	5.95	6.39	0.00	-0.04	96
2350											0.69	5.33	6.35	0.00	-0.05	104
							9 October 1986									
24											0.76	5.95	6.28	0.01	-0.05	95
300											0.77	6.24	5.77	0.02	-0.05	93
334											0.80	6.24	5.67	0.04	-0.05	98
408											0.91	6.92	5.63	0.04	-0.07	91
442											1.02	6.92	5.63	0.06	-0.07	92
516											0.98	6.56	5.63	0.07	-0.06	91
550											1.08	6.56	5.66	0.07	-0.09	92
624											0.98	6.74	5.72	0.08	-0.10	90
930											0.86	6.24	6.50	0.07	-0.14	102
1004											0.92	6.09	6.60	0.07	-0.13	97
1038											0.86	6.40	6.64	0.07	-0.12	100
1112											0.82	6.09	6.66	0.07	-0.09	103
1146											0.78	6.40	6.63	0.06	-0.09	101
1220											0.81	6.56	6.61	0.05	-0.09	96
1254											0.77	6.56	6.53	0.04	-0.09	95
1600											0.67	6.24	5.82	0.00	-0.05	100
1634											0.66	6.40	5.71	0.00	-0.05	98
1708											0.62	6.40	5.68	0.01	-0.05	98
1742											0.60	6.40	5.63	0.02	-0.06	95
1816											0.63	6.40	5.62	0.03	-0.06	94
1850											0.64	6.09	5.63	0.04	-0.06	95
1924											0.62	6.09	5.70	0.04	-0.05	96
2200											0.62	5.82	6.20	0.03	-0.03	98
2234											0.63	5.69	6.29	0.02	-0.02	100
2308											0.54	5.69	6.32	0.02	-0.02	92
2342											0.52	6.24	6.35	0.02	-0.01	95
							10 October 1986									
16											0.53	5.69	6.33	0.02	-0.01	97
50											0.50	5.69	6.30	0.02	-0.01	94
124											0.48	5.82	6.23	0.02	-0.01	97
400											0.41	5.82	5.82	0.00	0.02	99
434											0.42	11.13	5.82	0.02	0.08	86
508											0.62	3.08	5.91	0.04	0.19	8
542											1.18	3.77	5.88	0.04	0.24	19
616											1.43	3.94	5.89	0.04	0.25	29
650											1.80	5.12	5.92	0.05	0.30	34
724											2.05	5.69	6.02	0.05	0.34	39
1030											2.60	6.92	6.85	0.08	0.42	41
1104											2.54	7.31	6.96	0.08	0.43	46
1138											2.60	7.11	7.07	0.08	0.40	45
1212											2.76	7.11	7.11	0.08	0.40	46

(Continued)

(Sheet 2 of 26)

Table C1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Wave Period sec	Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
1246											2.54	7.53	7.09	0.08	0.40	50
1320											2.63	7.31	7.05	0.09	0.41	51
1354											2.56	7.11	7.01	0.09	0.42	51
1700											2.79	7.31	6.46	0.09	0.44	54
1734											2.91	8.00	6.38	0.10	0.45	53
1808											3.04	7.11	6.28	0.09	0.50	52
1842											3.12	7.76	6.21	0.11	0.52	56
1916											2.96	7.76	6.20	0.10	0.54	53
1950											3.07	8.26	6.23	0.11	0.52	58
2024											3.09	7.53	6.27	0.11	0.51	60
2320											3.34	8.00	6.72	0.13	0.45	58
2354											3.23	9.14	6.79	0.11	0.46	64
							11 October 1986									
28											3.29	8.26	6.81	0.10	0.45	61
102											3.37	7.76	6.84	0.11	0.44	62
136											3.13	8.53	6.84	0.09	0.45	63
210											3.22	7.76	6.83	0.09	0.40	63
244											3.14	8.83	6.78	0.11	0.41	65
540											3.21	9.14	6.24	0.12	0.41	62
614											3.07	8.53	6.19	0.11	0.39	63
648											3.35	9.48	6.15	0.12	0.36	66
722											3.21	9.14	6.12	0.15	0.38	69
756											3.22	9.14	6.14	0.13	0.35	67
830											3.22	9.48	6.20	0.14	0.32	65
904											3.21	9.14	6.30	0.10	0.33	62
1200											3.16	9.85	6.88	0.08	0.31	69
1234											3.15	11.13	6.94	0.10	0.30	75
1308											3.15	10.67	6.97	0.07	0.32	72
1342											3.28	11.64	7.00	0.10	0.31	73
1416											3.21	11.13	6.98	0.10	0.32	72
1450											3.03	11.64	6.95	0.11	0.32	74
1524											3.26	11.13	6.88	0.10	0.34	74
1820											2.99	11.64	6.25	0.11	0.30	74
1854											2.87	12.19	6.16	0.09	0.29	76
1928											2.83	12.19	6.09	0.10	0.26	73
2002											2.79	11.13	6.05	0.10	0.26	74
2036											2.91	11.13	6.03	0.10	0.22	73
2110											2.86	12.19	6.07	0.07	0.22	73
2144											2.78	11.13	6.14	0.09	0.20	73
							12 October 1986									
40											2.73	12.19	6.61	0.13	0.17	75
114											2.76	12.80	6.67	0.11	0.19	76
148											2.74	12.19	6.72	0.10	0.19	74
222											2.72	11.64	6.72	0.10	0.24	76
256											2.56	10.67	6.70	0.11	0.24	74
330											2.72	12.19	6.65	0.12	0.22	73
404											2.49	9.85	6.59	0.13	0.19	75
645											2.34	11.64	6.11	0.10	0.25	75
719											2.31	11.13	6.02	0.06	0.21	77
753											2.38	11.64	5.98	0.10	0.25	76
827											2.28	11.64	5.98	0.06	0.26	76
901											2.14	11.64	6.00	0.08	0.22	77
935											2.32	11.64	6.05	0.09	0.20	75
1009											2.35	11.64	6.14	0.06	0.19	73
1300											2.44	12.19	6.74	0.09	0.14	72
1334											2.40	12.80	6.83	0.07	0.19	75
1408											2.44	12.19	6.88	0.08	0.19	71
1442											2.22	12.19	6.89	0.07	0.17	70
1516											2.27	11.64	6.91	0.11	0.13	71
1550											2.22	12.80	6.86	0.09	0.14	71
1624											1.99	12.19	6.78	0.09	0.17	72
1915											1.82	12.19	6.09	0.11	0.20	77
1949											1.94	12.19	5.99	0.08	0.17	76
2023											1.99	10.67	5.93	0.14	0.15	77
2057											2.31	12.19	5.88	0.14	0.02	73
2131											1.97	11.64	5.90	0.11	0.14	73
2205											2.00	11.64	5.94	0.12	0.13	72
2239											2.06	11.13	5.98	0.07	0.07	74
							13 October 1986									
130											2.03	12.19	6.51	0.08	0.00	72
204											2.00	12.19	6.58	0.08	-0.02	72
238											2.01	11.64	6.62	0.08	-0.08	72

(Continued)

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Table C1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage: Pressure Sensor (621) Wave Height m	Pressure Sensor (621) Wave Period sec	Pressure Sensor (621) Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
312											1.96	11.13	6.63	0.05	-0.05	75
346											1.90	11.13	6.62	0.09	-0.03	76
420											1.89	11.13	6.58	0.10	-0.08	73
454											1.85	10.67	6.51	0.12	-0.17	79
745											1.65	12.19	5.90	0.00	-0.13	75
819											1.62	11.64	5.81	0.02	-0.14	77
853											1.67	12.19	5.76	0.01	-0.16	76
927											1.76	11.64	5.73	-0.01	-0.18	75
1001											1.67	11.13	5.74	-0.01	-0.18	75
1035											1.59	12.19	5.78	0.01	-0.21	72
1109											1.61	11.13	5.86	0.01	-0.24	77
14 October 1986																
910											0.99	11.13	5.61	-0.03	-0.13	70
944											1.00	10.67	5.54	-0.04	-0.15	70
1018											1.04	10.67	5.52	-0.05	-0.17	70
1052											1.01	10.67	5.52	-0.05	-0.18	68
1126											1.02	10.24	5.57	-0.05	-0.20	71
1200											0.99	9.85	5.65	-0.05	-0.21	75
1234											1.01	9.85	5.74	-0.06	-0.22	77
1500											0.93	9.85	6.40	-0.04	-0.22	74
1534											0.92	9.85	6.47	-0.04	-0.20	76
1608											0.88	9.85	6.54	-0.04	-0.21	78
1642											0.82	11.13	6.55	-0.04	-0.20	71
1716											0.79	9.85	6.53	-0.04	-0.21	78
1750											0.77	9.85	6.48	-0.03	-0.19	76
1824											0.76	10.67	6.40	-0.02	-0.17	73
2115											0.71	9.48	5.68	0.00	-0.14	82
2149											0.71	10.24	5.59	-0.01	-0.13	75
2223											0.71	10.24	5.53	-0.01	-0.14	74
2257											0.69	10.67	5.53	0.00	-0.15	66
2331											0.71	9.85	5.57	0.00	-0.13	79
15 October 1986																
5											0.68	10.67	5.68	0.01	-0.10	67
39											0.69	10.67	5.85	0.01	-0.06	73
330											1.39	5.02	6.58	0.03	0.16	24
404											1.57	5.12	6.75	0.04	0.21	25
438											1.60	5.45	6.88	0.04	0.25	24
512											1.66	5.69	6.91	0.05	0.30	29
546											1.67	5.95	6.86	0.05	0.32	34
620											1.60	5.82	6.76	0.05	0.33	33
654											1.61	5.82	6.65	0.05	0.31	34
945											1.51	5.45	5.97	0.05	0.25	37
1019											1.49	6.24	5.84	0.04	0.24	43
1053											1.43	6.24	5.77	0.04	0.22	44
1127			1.25	6.56							1.38	6.92	5.75	0.04	0.19	55
1201	1.42	6.74	1.20	6.92	1.23	6.40	1.12	5.57			1.30	6.74	5.78	0.04	0.16	57
1235	1.35	6.09	1.24	6.74	1.23	6.40	1.05	6.40	0.82	6.40	1.33	6.40	5.82	0.05	0.13	51
1309	1.28	6.92	1.19	6.56	1.18	6.24	1.03	5.57			1.27	6.74	5.90	0.05	0.12	54
1600	1.16	6.74	1.10	5.95	1.10	6.24	1.01	6.09	0.77	6.09	1.07	5.95	6.51	0.05	0.08	43
1634	1.16	6.09	1.03	6.40	1.05	6.74	0.96	6.09	0.75	5.57	1.07	6.09	6.57	0.04	0.09	44
1708	1.09	6.56	1.03	5.69	0.98	6.09	0.90	6.09	0.71	5.95	1.04	6.56	6.61	0.08	0.08	45
1742	1.00	6.24	0.96	6.40	0.97	6.40	0.89	6.40	0.72	6.09	1.00	6.24	6.62	0.07	0.09	43
1816	1.01	6.24	0.92	6.40	0.92	6.40	0.83	6.40	0.66	6.40	0.97	5.82	6.56	0.09	0.10	44
1850	0.99	6.24	0.93	6.24	0.91	6.24	0.81	6.40	0.65	4.74	0.95	5.45	6.45	0.09	0.11	42
1924	0.98	6.24	0.96	9.14	0.90	6.09	0.79	5.95	0.62	5.95	0.94	6.24	6.33	0.07	0.11	48
2200	1.06	4.13	1.03	4.49	0.99	4.06	0.88	4.27	0.69	3.88	1.08	4.20	5.67	0.06	-0.16	27
2234	1.05	4.49	1.01	4.66	1.00	4.41	0.92	4.41	0.81	4.49	1.09	4.49	5.55	0.05	0.17	24
2308	1.12	4.83	1.04	4.92	1.00	4.74	0.89	4.49	0.79	4.83	1.07	4.49	5.49	0.04	0.14	31
2342	1.13	4.57	1.03	4.41	1.00	4.83	0.91	4.83	0.75	4.66	1.05	4.41	5.48	0.04	0.14	29
16 October 1986																
16	1.16	4.57	1.02	4.66	1.02	4.74	0.88	4.49	0.74	4.34	1.03	4.66	5.52	0.04	0.13	32
50	1.10	4.74	1.06	4.34	1.00	4.49	0.88	4.66	0.69	4.83	1.03	5.02	5.61	0.04	0.12	39
124	1.10	4.66	1.02	4.74	0.99	4.41	0.90	4.74	0.67	4.83	1.08	4.49	5.72	0.05	0.12	32
400	1.21	4.66	1.09	4.74	1.06	4.74	0.97	4.74	0.78	4.83	1.11	4.66	6.46	0.03	0.16	32
434	1.23	4.66	1.09	4.57	1.08	4.92	0.98	4.57	0.78	4.66	1.10	4.66	6.59	0.04	0.17	29
508	1.21	4.41	1.08	4.74	1.12	4.57	1.01	4.83	0.80	4.74	1.19	4.57	6.68	0.04	0.18	31
542	1.22	4.74	1.09	4.66	1.05	4.66	1.02	4.74	0.81	4.74	1.18	4.57	6.71	0.04	0.19	30
616	1.30	4.83	1.10	4.83	1.08	4.49	1.02	4.83	0.84	4.74	1.14	4.74	6.69	0.05	0.19	29
650	1.21	4.74	1.07	4.57	1.08	4.66	0.96	4.74	0.83	4.74	1.14	4.41	6.66	0.04	0.19	31
724	1.25	4.66	1.12	4.74	1.11	4.66	0.94	4.66	0.82	4.83	1.16	4.66	6.57	0.05	0.20	32
1020	1.57	5.33	1.31	5.22	1.27	5.22	1.17	5.02	0.97	4.83	1.42	4.83	5.82	0.05	0.26	33
1054	1.64	5.45	1.32	5.22	1.29	5.12	1.14	5.45	0.99	5.33	1.37	5.02	5.69	0.05	0.26	34

(Continued)

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Table C1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage: Pressure Sensor (621) Wave Height m	Pressure Sensor (621) Wave Period sec	Pressure Sensor (621) Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
1128	1.63	5.33	1.33	5.12	1.35	5.22	1.29	5.12	1.00	5.12	1.42	5.33	5.62	0.04	0.25	37
1202	1.64	5.33	1.42	5.12	1.37	5.57	1.24	5.33	1.11	5.45	1.51	5.45	5.59	0.04	0.26	38
1236	1.59	5.33	1.42	5.57	1.38	5.69	1.26	5.22	1.06	5.45	1.51	5.45	5.61	0.04	0.27	42
1310	1.65	5.33	1.42	5.45	1.36	5.22	1.31	5.45	1.05	5.45	1.53	5.45	5.64	0.04	0.24	42
1344	1.52	5.22	1.38	5.57	1.33	5.33	1.24	5.33			1.49	5.33	5.74	0.05	0.23	36
1630	1.30	5.45	1.17	5.45	1.13	5.33	1.02	5.45	0.78	5.02	1.25	5.57	6.47	0.04	0.17	49
1704	1.22	5.22	1.08	5.33	1.07	5.22	0.96	5.22	0.73	5.22	1.09	5.12	6.57	0.04	0.19	34
1738	1.17	5.22	1.05	5.02	1.11	5.45	0.95	5.45	0.73	5.02	1.15	5.02	6.63	0.05	0.20	41
1812	1.15	4.92	1.04	5.22	1.02	5.33	0.94	5.02	0.69	5.12	1.09	4.92	6.65	0.07	0.18	43
1846	1.15	5.02	1.06	5.45	1.06	5.57	0.88	5.02	0.65	4.92	1.09	5.45	6.61	0.04	0.22	47
1920	1.09	5.12	0.99	4.83	0.98	5.22	0.82	4.83	0.61	4.92	1.03	5.02	6.53	0.05	0.20	45
1954	1.11	4.92	1.00	5.12	0.93	4.41	0.78	5.02	0.61	4.83	0.95	5.02	6.42	0.06	0.21	47
2240	1.02	5.22	0.94	5.57	0.93	5.69	0.77	4.74	0.50	4.57	0.96	4.74	5.74	0.04	0.20	40
2314	1.08	5.33	0.95	5.45	0.88	5.57	0.74	4.41	0.57	4.41	0.97	5.45	5.61	0.04	0.20	60
2348	1.08	5.22	0.95	5.57	0.90	4.41	0.80	4.92	0.64	4.57	1.04	5.57	5.53	0.06	0.19	57
							17 October 1986									
22	1.12	4.41	0.99	5.57	0.96	4.41	0.82	4.66	0.63	4.20	1.03	5.57	5.53	0.06	0.17	61
56	1.14	4.74	1.04	4.92	1.03	4.49	0.83	4.41	0.66	4.34	1.11	5.45	5.59	0.02	0.15	58
130	1.16	4.13	1.05	5.33	1.07	4.34	0.87	4.20	0.61	4.49	1.06	5.33	5.68	0.04	0.17	56
204	1.17	4.27	1.01	4.41	1.03	5.22	0.85	4.74	0.57	4.49	1.08	5.12	5.79	0.06	0.17	55
450	1.21	4.83	0.99	4.66	1.02	4.49	0.91	4.74	0.66	4.57	1.09	4.92	6.58	0.03	0.19	50
524	1.23	4.66	1.07	5.12	1.04	5.02	0.94	4.66	0.68	4.74	1.10	4.83	6.69	0.05	0.18	42
558	1.25	5.12	1.09	5.45	1.06	4.83	0.92	5.22	0.70	4.66	1.09	5.12	6.74	0.04	0.20	51
632	1.20	5.33	1.08	5.12	1.04	4.83	0.93	4.92	0.69	4.49	1.17	5.22	6.75	0.03	0.21	52
706	1.23	5.12	1.04	4.49	1.07	5.45	0.88	5.22	0.69	5.12	1.13	5.33	6.73	0.05	0.20	59
740	1.25	5.33	1.09	5.57	1.09	5.45	0.87	4.66	0.65	4.57	1.13	5.22	6.68	0.05	0.20	55
814	1.21	5.33	1.07	5.12	1.07	5.02	0.83	4.74	0.62	5.02	1.11	5.22	6.58	0.05	0.20	52
1100	1.10	5.45	0.96	5.45	1.02	5.82	0.81	5.69	0.48	4.92	1.02	5.33	5.81	0.05	0.18	56
1134	1.16	5.33	1.06	5.69	0.97	5.95	0.75	5.82	0.47	4.92	1.07	5.33	5.67	0.06	0.16	57
1208	1.12	5.82	0.98	5.82	0.98	5.69	0.71	5.57	0.49	5.22	1.03	5.95	5.59	0.05	0.14	62
1242	1.07	6.24	0.96	5.95	0.92	5.69	0.69	5.12	0.50	4.13	1.03	5.82	5.55	0.04	0.14	57
1316	1.11	6.09	1.03	6.24	0.98	5.95	0.71	5.95	0.49	3.46	1.02	5.45	5.56	0.04	0.12	60
1350	1.07	6.40	1.02	5.57	1.01	5.57	0.71	5.45	0.45	3.94	1.03	5.95	5.61	0.05	0.11	60
1424	1.10	5.95	0.98	5.95	0.97	5.95	0.75	5.95	0.41	4.83	1.08	6.09	5.71	0.05	0.10	62
1710	1.11	8.26	1.01	8.26	1.02	8.00	0.77	8.53	0.49	4.49	1.03	8.00	6.41	0.04	0.12	78
1744	1.11	8.53	0.99	8.53	1.00	8.53	0.77	8.53	0.48	8.83	1.06	8.26	6.53	0.03	0.13	79
1818	1.09	8.26	0.98	8.26	1.00	8.53	0.76	8.53	0.50	8.53	1.07	8.26	6.59	0.04	0.14	76
1852	1.04	8.53	0.97	9.14	0.95	8.53	0.75	8.53	0.47	5.22	1.05	8.53	6.59	0.03	0.15	77
1926	1.03	8.83	0.92	8.53	0.90	8.83	0.70	8.83	0.47	5.33	0.96	8.53	6.55	0.04	0.14	74
2000	0.91	8.83	0.93	8.53	0.89	8.83	0.66	8.83	0.45	3.71	0.96	8.26	6.49	0.05	0.13	76
2034	0.95	8.00	0.92	8.53	0.90	8.53	0.68	8.53	0.46	4.66	0.89	8.53	6.37	0.03	0.13	77
2320	0.97	9.48	0.91	9.14	0.94	9.14	0.68	9.48	0.37	3.20	0.96	9.14	5.71	0.04	0.15	73
2354	0.97	9.85	0.96	10.67	0.93	9.85	0.66	9.85	0.44	3.46	1.00	9.85	5.60	0.03	0.19	74
							18 October 1986									
28	1.02	9.14	0.95	9.48	0.98	8.26	0.70	9.48	0.45	3.56	1.07	9.14	5.57	0.04	0.15	74
102	1.02	9.14	1.05	9.48	1.01	9.48	0.69	9.48	0.49	4.00	1.07	9.14	5.57	0.01	0.15	72
136	1.06	9.14	0.95	9.14	0.95	9.48	0.68	9.48	0.45	3.51	1.10	9.85	5.64	0.03	0.16	73
210	1.09	9.48	0.96	8.83	0.94	8.26	0.70	9.48	0.44	3.46	1.05	8.83	5.72	0.03	0.11	72
244	1.12	8.26	1.02	8.83	1.03	8.53	0.74	8.53	0.46	3.88	1.12	9.14	5.82	0.02	0.10	71
530	1.45	4.06	1.19	9.14	1.16	9.14	0.98	9.14	0.70	4.20	1.23	9.48	6.63	0.04	0.20	74
604	1.55	4.41	1.26	9.48	1.23	8.83	1.03	4.27	0.76	4.34	1.34	8.83	6.72	0.04	0.24	79
638	1.57	4.66	1.23	8.83	1.22	9.14	1.05	9.14	0.74	4.49	1.27	9.48	6.78	0.03	0.22	73
712	1.58	4.92	1.26	9.85	1.25	9.85	1.05	4.74	0.77	4.66	1.30	9.85	6.83	0.04	0.23	73
746	1.61	4.83	1.29	9.14	1.24	4.83	1.10	4.92	0.82	4.57	1.29	5.02	6.82	0.04	0.22	37
820	1.57	4.83	1.34	9.48	1.30	5.02	1.11	5.12	0.95	5.22	1.39	4.66	6.76	0.04	0.26	31
854	1.49	5.12	1.34	5.22	1.32	5.02	1.14	5.22	0.96	5.22	1.44	5.02	6.65	0.05	0.27	30
1140	1.47	5.57	1.28	5.33	1.29	5.33	1.11	5.12	0.89	5.33	1.39	9.85	5.92	0.05	0.32	76
1214	1.48	5.02	1.35	5.57	1.28	5.12	1.09	5.22	0.86	5.22	1.41	5.33	5.81	0.04	0.34	41
1248	1.40	5.02	1.30	5.02	1.30	5.02	1.16	5.12	0.88	5.22	1.40	5.45	5.73	0.04	0.32	42
1322	1.54	4.92	1.29	4.83	1.29	5.33	1.16	5.02	0.87	5.22	1.42	5.45	5.71	0.04	0.32	40
1356	1.70	4.74	1.40	5.45	1.42	5.22	1.20	4.92	0.91	5.12	1.45	5.02	5.77	0.05	0.33	31
1430	1.82	5.45	1.57	5.22	1.57	5.22	1.31	5.69			1.63	5.22	5.83	0.05	0.34	35
1504	1.90	5.12	1.66	5.95	1.62	6.40	1.45	5.45			1.90	5.57	5.91	0.05	0.34	41
1750	2.17	6.24	2.04	6.56	1.95	6.09	1.70	5.82	1.31	5.82	2.19	6.09	6.67	0.05	0.36	45
1824	2.35	6.40	1.93	7.11	1.98	5.95	1.71	6.24			2.21	6.74	6.78	0.06	0.37	53
1858	2.24	6.74	2.07	6.74	1.99	6.92	1.72	6.56	1.41	6.40	2.33	6.74	6.84	0.06	0.37	52
1932	2.30	6.56	2.03	6.74	2.13	6.92	1.77	7.11			2.30	6.74	6.84	0.06	0.38	55
2006	2.35	6.56	2.01	6.74	2.03	7.11	1.71	6.92			2.15	8.00	6.81	0.06	0.38	62
2040	2.43	6.74	2.00	7.76	2.06	6.92	1.81	6.92			2.39	7.11	6.75	0.06	0.38	57
2114	2.38	6.92	2.14	6.09	2.12	8.26	1.78	6.74			2.40	7.11	6.66	0.07	0.38	55
							19 October 1986									
0	2.15	8.53	1.94	8.83	1.89	9.14	1.61	5.69			2.11	7.53	5.87	0.05	0.35	59

(Continued)

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Table C1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Pressure Sensor (621) Wave Period sec	Pressure Sensor (621) Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
34	2.34	7.76	1.95	8.53	1.90	6.24	1.64	5.57			2.22	8.00	5.78	0.06	0.35	62
108	2.31	8.26	2.05	8.26	2.00	9.14	1.67	8.83			2.25	8.53	5.77	0.06	0.36	65
142	2.32	8.26	2.05	8.26	2.05	8.53	1.70	6.24			2.24	7.76	5.78	0.06	0.35	62
216	2.30	5.95	2.16	9.14	2.11	8.83	1.80	8.83	1.11	9.14	2.38	8.83	5.80	0.07	0.36	62
250	2.45	6.74	2.22	9.14	2.14	9.14	1.75	9.48	1.20	9.48	2.43	6.92	5.86	0.06	0.38	59
324	2.36	6.24	2.15	8.83	2.13	9.48	1.81	5.95			2.47	9.14	5.95	0.06	0.36	64
610	2.22	6.92	1.96	10.24	2.01	9.85	1.73	9.85	1.30	9.85	2.33	10.24	6.71	0.06	0.32	68
644	2.25	5.95	1.94	9.14	1.88	9.48	1.66	6.56	1.45	5.95	2.19	8.53	6.82	0.05	0.32	62
718	2.29	6.40	2.07	10.24	2.13	10.67	1.74	10.67	1.42	10.67	2.26	9.48	6.88	0.06	0.34	65
752	2.30	5.82	1.93	11.64	2.02	10.67	1.79	10.67	1.44	10.67	2.20	10.24	6.91	0.06	0.37	67
826	2.33	5.69	2.12	11.13	2.07	10.24	1.76	10.24	1.45	6.09	2.26	9.85	6.87	0.06	0.35	65
900	2.35	5.69	2.09	10.67	2.11	10.67	1.83	6.24	1.42	6.40	2.33	11.13	6.78	0.06	0.36	70
934	2.40	6.24	2.05	10.67	2.00	6.74	1.72	5.82	1.37	6.40	2.32	10.24	6.69	0.07	0.37	68
1220	2.24	11.13	2.18	11.64	2.20	11.64	1.81	11.64	1.25	11.13	2.45	11.13	5.92	0.08	0.37	77
1254	2.31	11.13	2.28	11.64	2.13	11.64	1.74	11.64			2.46	11.64	5.80	0.07	0.40	74
1328	2.37	11.13	2.19	11.13	2.19	10.67	1.79	11.13			2.51	11.64	5.72	0.08	0.38	76
1402	2.38	10.67	2.33	11.13	2.32	11.13	1.90	11.13			2.40	11.64	5.72	0.08	0.36	73
1436	2.39	10.24	2.38	10.67	2.29	11.13	1.80	11.13			2.39	11.13	5.75	0.08	0.35	76
1510	2.39	10.67	2.22	11.64	2.13	11.64	1.71	11.64			2.42	11.13	5.79	0.07	0.33	75
1544	2.29	9.85	2.21	11.13	2.16	11.13	1.75	10.67			2.30	11.13	5.84	0.07	0.31	74
1830	1.95	9.48	1.86	11.13	1.86	11.13	1.45	11.13	1.16	11.13	2.11	11.13	6.41	0.05	0.21	75
1904	1.93	8.53	1.80	11.13	1.85	9.85	1.44	10.24			2.08	11.13	6.51	0.04	0.19	75
1938	1.84	10.24	1.71	11.13	1.71	11.13	1.36	11.13	1.10	11.13	1.84	11.13	6.57	0.03	0.16	71
2012	1.77	6.40	1.76	10.67	1.74	11.13	1.41	11.13	1.09	11.13	1.90	11.13	6.56	0.03	0.15	72
2046	1.75	9.48	1.69	10.67	1.66	10.67	1.30	10.67	1.05	11.13	1.78	10.67	6.52	0.03	0.15	72
2120	1.59	10.24	1.54	11.13	1.50	10.67	1.19	10.67	1.00	10.67	1.89	11.13	6.45	0.06	0.22	73
2154	1.63	11.13	1.55	9.14	1.53	9.14	1.21	10.67	0.95	10.67	1.74	11.13	6.35	0.04	0.21	77
							20 October 1986									
40	1.42	10.24	1.38	10.24	1.38	10.67	1.06	11.13	0.75	4.74	1.50	10.67	5.74	0.02	0.17	74
114	1.40	9.14	1.37	10.67	1.34	10.67	1.01	11.13	0.76	11.13	1.51	10.24	5.68	0.01	0.16	73
148	1.46	9.85	1.36	10.67	1.31	11.13	0.99	10.67	0.76	5.12	1.49	10.67	5.66	0.02	0.15	72
222	1.42	10.24	1.30	10.67	1.27	9.85	0.96	10.67	0.77	4.20	1.50	10.24	5.68	-0.02	0.13	73
256	1.54	10.67	1.35	10.24	1.37	10.24	1.02	10.67	0.75	4.66	1.44	10.67	5.73	0.04	0.12	70
330	1.54	10.24	1.34	9.85	1.37	10.24	0.99	9.85	0.72	4.49	1.42	10.67	5.82	0.02	0.11	72
404	1.46	10.24	1.32	10.24	1.35	10.24	1.01	10.24	0.72	5.02	1.48	10.24	5.92	0.01	0.08	71
650	1.45	9.85	1.39	10.24	1.36	10.24	1.06	10.24	0.78	10.24	1.52	9.85	6.61	0.02	0.03	72
724	1.46	9.85	1.47	10.24	1.44	10.24	1.12	10.24	0.83	10.24	1.51	10.24	6.71	0.03	0.04	72
758	1.50	10.24	1.37	10.24	1.37	9.48	1.10	9.85	0.80	4.66	1.41	10.24	6.78	0.05	0.05	74
832	1.49	8.53	1.39	9.85	1.39	10.24	1.11	10.67	0.83	10.24	1.46	10.67	6.77	0.04	0.07	70
906	1.42	10.67	1.35	9.48	1.38	10.24	1.09	10.24	0.78	4.41	1.41	10.24	6.73	0.04	0.09	71
940	1.55	10.24	1.38	10.67	1.37	10.67	1.12	10.67	0.84	11.13	1.47	11.13	6.64	0.04	0.13	73
1014	1.57	10.24	1.45	10.24	1.39	10.67	1.12	10.67	0.87	4.66	1.58	10.24	6.54	0.05	0.16	73
1300	1.50	10.67	1.30	10.24	1.32	9.85	1.03	10.67	0.80	4.57	1.42	10.67	5.82	0.05	0.21	71
1334	1.35	10.24	1.32	10.67	1.39	10.67	1.07	10.67			1.39	10.67	5.73	0.05	0.17	71
1408	1.39	9.85	1.33	10.24	1.31	10.24	1.00	10.67	0.77	4.27	1.48	10.67	5.68	0.05	0.18	71
1442	1.35	11.13	1.35	10.67	1.38	10.24	1.02	10.24	0.73	4.83	1.46	11.13	5.68	0.05	0.19	70
1516	1.33	10.67	1.27	10.67	1.27	10.67	0.98	10.67	0.70	10.67	1.38	10.67	5.71	0.05	0.22	72
1550	1.33	10.67	1.26	10.67	1.26	11.13	0.95	11.13			1.50	10.24	5.74	0.04	0.20	73
1624	1.27	9.85	1.25	11.13	1.25	10.67	0.99	10.67	0.71	4.49	1.41	10.67	5.79	0.05	0.19	73
1900	1.23	10.67	1.22	10.67	1.22	11.64	0.96	11.64	0.70	11.64	1.34	11.13	6.31	0.05	0.17	71
1934	1.28	11.13	1.19	11.13	1.20	11.13	0.91	11.13	0.67	11.13	1.30	12.19	6.39	0.05	0.17	71
2008	1.21	11.64	1.23	10.67	1.20	11.13	0.95	11.13	0.66	11.13	1.33	11.13	6.43	0.04	0.18	73
2042	1.20	10.24	1.23	11.13	1.21	11.64	0.93	11.64	0.67	11.64	1.32	10.24	6.44	0.06	0.19	73
2116	1.21	10.67	1.18	11.13	1.21	11.13	0.93	11.13	0.66	11.64	1.29	11.13	6.42	0.05	0.19	74
2150	1.15	11.64	1.18	11.13	1.17	11.13	0.95	11.13	0.68	11.64	1.42	11.64	6.37	0.05	0.18	76
2224	1.13	11.13	1.19	11.64	1.17	11.13	0.90	11.64	0.70	11.13	1.38	11.64	6.28	0.05	0.17	75
							21 October 1986									
100	1.12	11.64	1.13	11.13	1.08	11.13	0.83	11.13	0.58	11.64	1.26	11.13	5.78	0.04	0.10	74
134	1.26	11.13	1.13	11.13	1.16	11.64	0.84	11.64	0.57	12.19	1.33	10.67	5.70	0.04	0.08	76
208	1.13	11.13	1.07	11.13	1.12	11.64	0.85	11.64	0.59	11.64	1.30	11.13	5.65	0.03	0.09	78
242	1.13	10.67	1.17	11.13	1.14	10.67	0.86	11.13	0.61	11.13	1.32	10.67	5.65	0.02	0.08	73
316	1.17	10.67	1.28	11.13	1.20	11.13	0.88	11.13	0.69	11.64	1.23	10.67	5.69	0.02	0.06	72
350	1.13	11.13	1.16	11.13	1.13	10.67	0.82	11.13	0.50	11.13	1.25	10.67	5.76	0.02	0.06	73
424	1.11	10.24	1.15	10.67	1.12	11.13	0.86	11.13	0.54	11.13	1.23	10.67	5.85	0.03	0.06	75
730	1.01	8.83	1.02	9.14	1.04	9.48	0.78	9.48	0.55	9.85	1.17	9.14	6.56	-0.01	-0.03	74
804	1.13	10.67	1.06	10.67	1.05	10.24	0.81	10.67	0.59	10.67	1.08	9.85	6.65	0.00	0.00	77
838	1.17	9.48	1.02	9.85	1.07	10.67	0.83	10.67	0.56	10.67	1.04	10.24	6.68	0.01	0.02	72
912	1.11	9.48	1.02	11.13	1.01	11.13	0.82	11.13	0.61	11.13	1.11	10.24	6.68	0.02	0.04	74
946	1.13	9.85	1.03	11.13	1.05	11.13	0.82	11.13	0.56	11.13	1.17	10.67	6.63	0.04	0.05	75
1020	1.08	9.85	1.08	10.67	1.05	11.13	0.85	11.13	0.59	11.13	1.08	10.67	6.56	0.04	0.05	72
1054	1.01	11.13	1.01	11.64	0.96	11.64	0.77	11.64	0.58	11.64	1.13	10.67	6.46	0.04	0.02	73

(Continued)

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Table C1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
1340	1.00	9.85	1.03	10.24	1.01	11.13	0.78	11.13	0.50	12.19	1.11	10.67	5.82	0.09	0.05	72
1414	1.09	10.67	1.03	11.13	1.02	11.13	0.79	11.64	0.47	12.19	1.08	10.24	5.75	0.08	0.09	74
1448	0.97	11.13	1.02	11.13	1.03	11.64	0.79	11.64	0.51	12.19	1.08	11.13	5.71	0.07	0.10	73
1522	1.05	10.67	0.95	11.64	0.99	11.64	0.76	11.64	0.47	11.64	1.09	11.13	5.72	0.07	0.10	72
1556	1.01	11.13	0.97	11.13	0.91	12.19	0.70	11.64	0.45	12.19	1.08	11.64	5.72	0.07	0.10	71
1630	1.05	10.67	0.94	10.67	0.95	9.85	0.71	12.19	0.45	12.19	1.06	10.67	5.74	0.05	0.09	72
1704	1.08	11.64	0.94	10.24	0.94	11.64	0.69	11.64	0.48	11.64	1.11	11.64	5.82	0.08	0.09	70
1950	1.04	11.13	1.01	9.85	0.94	10.24	0.74	10.67	0.55	11.13	1.10	10.67	6.32	-0.04	0.07	72
2024	1.10	10.67	0.94	10.24	0.97	9.48	0.72	12.80	0.55	10.67	1.11	12.19	6.37	-0.02	0.05	73
2058	1.00	11.64	0.97	11.64	0.92	10.24	0.72	10.67	0.55	10.67	1.19	11.64	6.39	0.00	0.06	74
2132	1.10	11.64	1.00	10.24	1.05	11.64	0.82	11.13	0.58	11.64	1.06	12.19	6.39	0.03	0.05	72
2206	1.09	11.64	0.96	11.64	0.98	11.64	0.75	11.64	0.54	11.64	1.09	11.64	6.38	0.03	0.05	69
2240	1.03	11.64	0.99	11.64	0.97	11.64	0.76	11.64	0.53	11.13	1.10	11.13	6.28	0.03	0.05	69
2314	0.93	10.67	0.98	11.64	0.99	11.64	0.76	11.64	0.54	11.64	1.10	11.64	6.19	0.04	0.06	71
							22 October 1986									
200	0.87	11.64	0.91	11.13	0.87	11.64	0.65	11.64	0.39	12.19	0.99	11.13	5.73	0.01	0.04	71
234	0.94	12.19	0.86	11.64	0.85	11.13	0.65	12.80	0.44	12.80	0.93	11.64	5.67	0.00	0.02	70
308	0.94	11.64	0.92	11.64	0.92	11.64	0.69	12.19	0.44	12.19	0.93	10.67	5.65	-0.01	0.00	71
342	0.93	11.64	0.93	11.13	0.88	11.13	0.65	11.64	0.45	12.80	0.97	10.67	5.66	-0.02	-0.01	71
416	0.95	12.19	0.90	11.13	0.91	11.13	0.70	11.13	0.53	12.19	1.04	11.13	5.71	-0.02	-0.02	75
450	0.93	11.13	0.92	11.64	0.88	11.64	0.66	12.19	0.46	12.19	1.07	12.19	5.78	-0.02	-0.04	70
524	0.94	11.13	0.93	11.64	0.89	11.64	0.70	11.64	0.51	11.64	1.00	10.67	5.85	-0.03	-0.05	71
810	0.91	12.19	0.83	11.64	0.88	11.64	0.67	11.64	0.46	12.80	1.05	10.67	6.44	-0.04	-0.13	73
844	0.86	12.19	0.81	12.19	0.87	12.19	0.72	12.19	0.48	12.19	0.96	12.19	6.53	-0.04	-0.12	64
918	0.84	9.85	0.84	12.19	0.82	12.19	0.65	12.19	0.45	12.19	0.87	11.64	6.54	-0.03	-0.12	67
952	0.90	10.67	0.80	12.19	0.82	12.19	0.64	12.19	0.45	12.80	0.90	11.64	6.52	-0.02	-0.11	68
1026	0.84	11.13	0.89	11.64	0.86	11.13	0.66	11.64	0.44	11.64	0.94	12.19	6.46	-0.03	-0.10	70
1100	0.85	12.19	0.88	12.19	0.80	12.19	0.62	12.19	0.45	12.19	0.94	12.19	6.41	-0.02	-0.10	70
1134	0.80	10.67	0.81	12.19	0.83	11.64	0.64	12.19	0.42	12.19	0.90	11.64	6.33	0.00	-0.11	72
1430	0.85	11.64	0.74	10.24	0.80	11.64	0.58	11.64	0.40	11.64	0.81	12.19	5.74	0.03	-0.15	78
1504	0.87	11.64	0.81	11.64	0.78	10.67	0.60	11.64	0.41	11.13	0.88	11.64	5.67	0.03	-0.15	77
1538	0.81	11.64	0.79	11.13	0.74	12.19	0.58	12.19	0.43	12.19	0.87	11.64	5.63	0.03	-0.15	76
1612	0.80	11.13	0.82	11.13	0.77	11.13	0.56	11.13	0.42	12.19	0.92	11.64	5.62	0.02	-0.14	75
1646	0.83	11.64	0.81	11.64	0.80	10.24	0.58	10.24	0.42	12.80	0.86	12.19	5.64	0.02	-0.14	78
1720	0.83	11.13	0.82	11.64	0.80	11.13	0.61	11.64	0.41	11.64	0.91	11.13	5.67	0.03	-0.14	76
1754	0.86	11.13	0.87	11.13	0.81	11.64	0.58	11.64	0.36	12.19	0.85	11.64	5.74	0.05	-0.10	77
2030	0.79	11.13	0.74	10.67	0.76	10.67	0.60	10.67	0.43	10.67	0.90	11.13	6.17	0.02	-0.11	72
2104	0.88	11.64	0.80	10.67	0.80	11.13	0.62	11.13	0.43	11.13	0.86	11.64	6.23	0.01	-0.08	77
2138	0.85	11.64	0.77	11.13	0.88	11.13	0.68	11.13	0.47	11.13	0.93	11.64	6.27	0.02	-0.08	75
2212	0.81	9.14	0.72	11.13	0.76	12.19	0.60	11.64	0.42	11.64	0.90	12.19	6.27	0.01	-0.07	74
2246	0.80	10.67	0.81	11.64	0.85	11.13	0.65	11.13	0.45	11.64	0.89	11.13	6.23	0.00	-0.07	78
2320	0.81	10.67	0.75	11.13	0.75	11.64	0.59	11.64	0.41	11.64	0.88	11.13	6.17	0.00	-0.07	74
2354	0.72	11.13	0.72	11.13	0.80	11.64	0.61	11.64	0.42	11.64	0.86	11.13	6.11	0.01	-0.07	76
							23 October 1986									
230	0.77	9.14	0.77	11.64	0.77	12.19	0.59	12.19	0.37	12.19	0.86	11.64	5.72	0.01	-0.08	76
304	0.83	11.64	0.80	11.64	0.72	12.19	0.56	11.64	0.40	12.19	0.88	12.19	5.66	0.01	-0.09	79
338	0.77	11.64	0.76	11.13	0.77	11.64	0.58	11.64	0.41	11.13	0.84	11.13	5.64	0.01	-0.11	74
412	0.78	11.13	0.77	12.19	0.73	12.19	0.56	11.64	0.40	12.19	0.80	9.48	5.64	0.00	-0.10	77
446	0.83	11.13	0.81	12.19	0.77	11.64	0.60	11.64	0.40	11.64	0.88	11.13	5.68	-0.01	-0.11	73
520	0.81	10.67	0.77	11.64	0.74	11.13	0.56	11.13	0.36	11.13	0.78	11.13	5.73	0.00	-0.13	74
554	0.73	11.64	0.78	11.13	0.76	11.13	0.60	11.13	0.36	12.19	0.83	11.13	5.79	0.00	-0.15	75
900	0.82	11.13	0.73	11.13	0.74	11.64	0.59	11.13	0.42	12.19	0.80	11.13	6.39	-0.02	-0.17	78
934	0.74	10.67	0.79	10.67	0.73	11.13	0.60	11.13	0.43	11.13	0.79	11.64	6.44	-0.02	-0.15	75
1008	0.79	11.13	0.76	11.13	0.83	11.13	0.62	12.80	0.42	12.80	0.82	11.64	6.43	-0.02	-0.15	75
1042	0.75	11.13	0.74	11.13	0.79	9.85	0.59	10.24	0.39	12.80	0.82	11.64	6.43	-0.02	-0.16	73
1116	0.74	11.64	0.70	10.67	0.69	11.64	0.55	12.19	0.39	12.19	0.82	11.64	6.40	-0.01	-0.15	77
1150	0.74	10.24	0.72	10.67	0.69	11.13	0.56	11.13	0.39	11.64	0.81	11.13	6.33	-0.01	-0.15	75
1224	0.77	11.64	0.76	11.13	0.79	10.67	0.62	10.67	0.41	12.80	0.75	12.19	6.23	-0.01	-0.14	82

(Continued)

Table C1 (Continued)

Time EST	CS01 Pressure Sensor (411) Height m	CS01 Period sec	CS02 Pressure Sensor (421) Height m	CS02 Period sec	CS03 Pressure Sensor (431) Height m	CS03 Period sec	CS04 Pressure Sensor (441) Height m	CS04 Period sec	CS05 Pressure Sensor (451) Height m	CS05 Period sec
					9 October 1986					
1850	0.43	11.64					0.87	6.24		
1924	0.43	11.64					0.86	12.80		
2200	0.26	6.24					0.73	6.09		
2234	0.25	11.64					0.67	6.24		
2308	0.26	6.09					0.67	6.40		
2342	0.23	11.64					0.62	11.64		
					10 October 1986					
16										
50	0.22	11.64					0.59	12.19		
124	0.22	11.64					0.59	11.64		
400	0.20	12.19	0.19	11.64			0.57	12.19		
434	0.20	10.67	0.18	10.67			0.54	10.67		
508	0.22	11.64	0.21	11.13			0.62	11.64		
542	0.25	11.64	0.24	18.29			0.75	11.13		
616	0.23	4.49	0.25	4.49			0.74	4.41		
650	0.22	5.57	0.26	5.33			0.82	5.45		
724										
1030	0.70	7.31								
1104	0.68	6.92					1.18	7.76		
1138	0.69	7.76					1.13	7.76		
1212										
1246	0.70	8.00					1.14	7.31	1.25	6.92
1320	0.71	8.00					1.14	8.00	1.27	8.00
1354	0.66	8.00					1.08	7.76	1.22	8.00
1700	0.49	8.53					1.13	8.53		
1734										
1808	0.55	9.85					1.15	9.48		
1842	0.51	8.83					1.09	9.14		
1916	0.47	9.48					1.09	9.14		
1950	0.53	8.26					1.13	8.26		
2024	0.55	9.48					1.17	9.14		
2320	0.69	9.14	0.42	9.48			1.22	9.14	1.32	9.48
2354	0.75	9.85	0.52	9.14			1.25	9.85	1.31	9.14
					11 October 1986					
28	0.72	9.85	0.54	9.85			1.22	9.85	1.27	9.85
102	0.77	9.14	0.71	9.14			1.20	9.14	1.22	9.14
136	0.75	9.85	0.82	9.85			1.24	9.85	1.22	9.48
210	0.76	9.85	0.84	9.85			1.22	9.85	1.17	9.85
244	0.76	10.67	0.87	10.67			1.26	9.85	1.22	9.85
540	0.55	23.27	0.33	9.48			1.20	9.14		
614	0.52	11.64	0.31	10.24			1.20	10.24		
648	0.49	23.27	0.31	9.48			1.22	10.24		
722	0.48	23.27	0.30	11.13			1.19	11.13		
756										
830	0.49	11.13	0.31	9.85			1.18	9.85		
904	0.55	11.13	0.34	10.24			1.15	10.24		
1200	0.80	12.19	0.93	11.13			1.23	12.19	1.18	11.13
1234	0.83	12.19	0.92	11.64			1.29	12.19	1.22	12.19
1308	0.86	10.24	0.93	10.67			1.31	10.24	1.20	10.67
1342	0.82	12.19	0.91	10.67			1.29	11.64	1.21	11.13
1416	0.88	12.19	0.93	12.19			1.36	12.19	1.24	12.19
1450			0.94	10.67						
1524	0.86	12.19					1.30	12.19		
1820										
1854	0.58	12.80	0.52	13.47			1.24	12.80		
1928	0.54	21.33	0.39	15.06	0.65	11.64	1.21	11.64		
2002	0.50	12.80	0.34	11.13	0.65	11.13	1.19	11.13		
2036	0.50	12.80	0.33	15.06	0.64	12.19	1.17	12.80		
2110	0.50	23.27	0.32	23.27	0.63	11.13	1.21	12.80		
2144										
					12 October 1986					
40	0.76	12.80	0.83	13.47	0.80	12.19	1.26	12.80	1.16	13.47
114	0.76	12.80	0.84	13.47	0.80	11.64	1.30	12.19	1.20	13.47
148	0.81	12.80	0.86	13.47	0.84	12.19	1.30	12.80	1.20	13.47
222	0.83	12.19	0.88	13.47	0.85	11.64	1.34	12.19	1.15	12.19
256	0.79	12.80	0.83	13.47	0.85	13.47	1.34	12.80	1.02	13.47
330	0.76	12.19	0.77	12.19	0.81	11.64	1.34	12.19		
404	0.77	12.80	0.78	12.80	0.78	12.80	1.27	12.80		
645	0.52	11.64	0.42	15.06	0.62	11.64	1.17	11.64		
719	0.48	12.19	0.32	13.47	0.57	12.19	1.16	12.80		
753	0.45	12.80	0.29	14.22	0.55	12.19	1.13	12.80		
827	0.43	12.80	0.29	14.22	0.55	12.19	1.13	13.47		

(Continued)

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Table C1 (Continued)

Time EST	CS01 Pressure Sensor (411) Height m	CS01 Period sec	CS02 Pressure Sensor (421) Height m	CS02 Period sec	CS03 Pressure Sensor (431) Height m	CS03 Period sec	CS04 Pressure Sensor (441) Height m	CS04 Period sec	CS05 Pressure Sensor (451) Height m	CS05 Period sec
901	0.43	12.80	0.30	14.22	0.56	17.07	1.15	12.80		
935	0.48	12.19	0.33	14.22	0.60	11.64	1.16	12.80		
1009	0.49	12.19	0.32	14.22	0.60	12.19	1.21	12.80		
1300	0.79	11.64	0.84	12.80	0.79	11.64	1.29	11.64		
1334	0.84	12.19	0.87	12.80	0.81	12.80	1.32	12.19		
1408	0.88	12.80	0.88	12.80	0.83	12.80	1.36	12.19		
1442	0.86	12.80	0.91	12.80	0.83	12.80	1.31	12.80		
1516	0.87	12.19	0.91	12.80	0.81	12.19	1.28	12.19		
1550	0.79	12.80	0.82	12.80	0.76	12.80	1.26	12.80		
1624	0.85	12.19	0.86	12.19			1.33	11.64		
1915	0.56	12.19	0.53	13.47	0.57	11.64	1.23	12.19		
1949	0.48	12.19	0.36	14.22	0.55	16.00	1.20	12.80		
2023	0.47	12.80	0.32	13.47	0.52	17.07	1.19	12.80		
2057	0.42	12.19	0.28	14.22	0.48	11.64	1.07	12.80		
2131										
2205	0.46	11.64	0.30	13.47	0.54	11.13	1.14	11.64		
2239	0.50	11.64	0.31	12.19	0.56	11.64	1.20	12.19		
13 October 1986										
130	0.71	11.64	0.78	12.80	0.75	11.64	1.30	11.64		
204	0.79	12.19	0.88	12.80	0.77	12.19	1.36	12.19		
238	0.79	11.13	0.86	12.19	0.80	11.13	1.29	11.13		
312	0.80	11.64	0.82	12.19	0.76	11.64	1.29	11.64		
346	0.80	11.64	0.85	12.80	0.75	12.80	1.30	12.19		
420	0.77	11.64	0.83	12.80	0.75	12.19	1.25	11.64		
454	0.74	12.19	0.80	12.80	0.73	11.64	1.26	12.19		
745	0.50	11.64	0.34	12.80	0.59	11.13	1.23	12.19		
819	0.42	11.64	0.31	14.22	0.57	14.22	1.16	12.80		
853	0.42	12.19	0.29	14.22	0.58	11.64	1.21	12.19		
927	0.38	12.19	0.28	14.22	0.53	12.19	1.16	12.80		
1001	0.39	12.19	0.30	14.22	0.58	15.06	1.20	12.80		
1035	0.40	12.19	0.30	13.47	0.55	11.64	1.20	12.80		
1109	0.45	12.19	0.32	12.80	0.51	11.64	1.32	12.19		
14 October 1986										
910	0.34	11.13	0.25	23.27			0.98	12.19		
944	0.32	11.13	0.26	10.24			0.99	10.67		
1018	0.31	11.64	0.24	10.67			0.97	10.24		
1052	0.31	11.13	0.24	11.13			0.91	11.13		
1126	0.32	10.67	0.25	10.67			0.94	11.13		
1200										
1234	0.38	9.85	0.28	9.85			1.05	9.85		
1500	0.65	10.24	0.35	10.24			0.97	10.24		
1534	0.69	11.13	0.38	11.13			0.92	11.13		
1608	0.69	10.24	0.39	9.85			0.81	10.24		
1642	0.68	9.85	0.47	9.48			0.79	9.48		
1716	0.63	11.13	0.42	9.48			0.76	11.64		
1750	0.65	11.13	0.41	11.13			0.82	11.13		
1824	0.56	11.64	0.30	9.85			0.74	11.64		
2115	0.35	11.64	0.26	10.24			0.94	11.13		
2149	0.32	11.13	0.25	10.24			0.88	10.24		
2223	0.32	11.64	0.25	10.67			0.88	11.13		
2257	0.31	11.64	0.26	10.67			0.92	10.67		
2331	0.34	11.64	0.27	10.67			0.95	10.67		
15 October 1986										
5	0.33	11.13	0.27	10.24			0.96	10.24		
39	0.36	11.13	0.27	10.24			0.93	10.24		
330	0.72	10.24	0.52	9.85			0.90	9.85	0.65	10.24
404	0.78	10.67	0.72	9.14			0.92	5.12	0.65	9.85
438	0.87	9.14	0.73	9.48			0.96	9.48	0.70	9.14
512	0.87	5.69	0.73	5.69			0.96	5.69	0.70	5.69
546	0.81	5.95	0.70	5.95			0.91	5.82	0.71	9.85
620	0.74	10.24	0.69	5.69			0.87	5.82	0.67	10.24
654	0.66	9.85	0.67	9.85			0.85	9.85	0.67	10.67
945	0.37	23.27	0.29	6.56			0.88	9.48	0.58	6.74
1019	0.36	23.27	0.28	10.24			0.86	10.24	0.61	10.24
1053	0.33	21.33	0.27	10.24			0.87	9.48	0.61	9.14
1127	0.32	10.24	0.27	10.67			0.86	9.85	0.57	10.24
1201	0.33	23.27	0.26	15.06			0.82	14.22	0.55	8.83
1235	0.34	10.67	0.25	10.24			0.83	10.24	0.58	10.67
1309	0.36	10.24	0.27	10.24			0.82	10.24	0.61	10.24
1600	0.69	6.56	0.69	6.56			0.83	6.56	0.60	6.56
1634	0.69	9.85	0.67	6.40			0.79	6.40	0.57	9.85
1708	0.68	6.74	0.68	6.40			0.77	6.40	0.57	6.40

(Continued)

(Sheet 9 of 26)

Table C1 (Continued)

Time EST	CS01 Pressure Sensor (411) Height m	CS01 Period sec	CS02 Pressure Sensor (421) Height m	CS02 Period sec	CS03 Pressure Sensor (431) Height m	CS03 Period sec	CS04 Pressure Sensor (441) Height m	CS04 Period sec	CS05 Pressure Sensor (451) Height m	CS05 Period sec
1742	0.67	6.40	0.65	6.24			0.75	6.40	0.56	9.85
1816	0.62	10.24	0.62	10.24			0.70	10.24	0.52	10.24
1850	0.57	10.67	0.63	10.24			0.71	9.14	0.55	10.67
1924	0.53	9.48	0.58	9.48			0.70	9.14	0.51	9.14
2200	0.32	12.80	0.23	9.85			0.77	9.85		
2234	0.29	10.67	0.22	17.07			0.75	10.24		
2308	0.28	19.69	0.21	17.07			0.72	9.85		
2342	0.27	8.83	0.21	17.07			0.70	8.83		
16 October 1986										
16	0.28	23.27	0.21	9.48			0.72	9.48		
50	0.30	9.48	0.24	17.07			0.75	9.48		
124	0.34	13.47	0.24	16.00			0.79	9.48		
400	0.58	9.48	0.62	8.83			0.72	8.53	0.52	9.48
434	0.64	9.14	0.64	8.83			0.75	9.14	0.52	9.14
508	0.67	9.14	0.65	4.57			0.79	4.92	0.52	9.14
542	0.67	9.48	0.64	5.33			0.77	9.48	0.54	9.48
616	0.63	9.14	0.60	4.66			0.72	4.66	0.50	4.66
650	0.62	8.83	0.59	8.83			0.71	4.57	0.49	9.14
724	0.58	9.48	0.59	5.22			0.69	4.74	0.51	4.74
1020	0.38	11.13	0.32	15.06			0.70	13.47		
1054	0.34	13.47	0.27	14.22			0.77	5.57		
1128	0.33	10.24	0.25	15.06			0.78	9.48		
1202	0.31	9.85	0.24	15.06			0.78	5.82		
1236	0.30	10.67	0.25	16.00			0.78	5.69		
1310	0.31	10.24	0.24	10.24			0.79	5.45		
1344	0.34	9.48	0.26	9.14			0.84	9.14		
1630	0.56	5.33	0.59	5.22			0.78	5.33	0.59	5.33
1704	0.59	5.33	0.58	5.33			0.75	5.22	0.58	5.22
1738	0.59	5.33	0.58	5.45			0.72	5.33	0.56	5.33
1812	0.58	8.53	0.59	5.69			0.72	5.22	0.56	5.22
1846	0.58	5.33	0.54	5.33			0.65	5.22	0.51	5.22
1920	0.53	8.83	0.55	9.14			0.67	8.83	0.52	8.83
1954	0.50	9.48	0.54	9.48			0.67	9.14	0.51	9.48
2240	0.34	13.47	0.24	14.22			0.73	9.48		
2314	0.31	13.47	0.22	15.06			0.74	9.14		
2348	0.29	12.80	0.21	8.53			0.71	8.83		
17 October 1986										
22	0.28	12.80	0.20	10.67			0.69	14.22		
56	0.30	12.19	0.21	15.06			0.72	8.53		
130	0.32	9.48	0.23	9.48			0.75	8.83		
204	0.36	13.47	0.23	17.07			0.77	13.47		
450	0.57	8.83	0.57	4.74			0.72	4.92	0.52	9.14
524	0.62	8.26	0.58	5.02			0.78	5.02	0.52	8.83
558	0.65	8.83	0.58	5.57			0.79	5.57	0.52	8.83
632	0.62	9.14	0.59	5.12			0.76	5.33	0.51	5.33
706	0.63	9.14	0.59	5.45			0.75	5.45	0.55	5.45
740	0.60	8.53	0.55	9.14			0.69	9.14	0.53	8.53
814	0.58	5.69	0.56	5.69			0.69	8.83	0.52	5.33
1100	0.38	11.64	0.41	8.83			0.70	8.83	0.50	11.64
1134	0.31	9.48	0.27	9.48			0.69	9.85	0.53	9.48
1208	0.31	9.14	0.24	14.22			0.73	9.14	0.52	9.14
1242	0.30	23.27	0.24	23.27			0.72	8.83	0.43	8.83
1316	0.29	23.27	0.23	9.85			0.71	10.67		
1350	0.31	23.27	0.25	9.14			0.75	9.14	0.45	9.14
1424	0.32	9.48	0.24	8.83			0.74	8.26	0.56	8.26
1710	0.55	8.26	0.58	9.14			0.83	9.14	0.63	8.26
1744	0.58	8.26	0.60	8.53			0.85	8.26	0.66	8.26
1818	0.57	8.26	0.60	8.83			0.83	8.83	0.64	8.26
1852	0.58	8.00	0.60	9.14			0.80	8.83	0.65	8.26
1926	0.56	8.26	0.57	9.48			0.79	9.48	0.61	8.83
2000	0.56	8.26	0.57	9.14			0.76	9.14	0.63	8.53
2034	0.51	8.83	0.53	9.85			0.75	8.83	0.60	8.83
2320	0.36	11.13	0.30	10.67			0.78	10.67	0.58	9.48
2354	0.32	11.13	0.26	10.67			0.77	10.67	0.62	10.67
18 October 1986										
28	0.32	12.19	0.25	10.24			0.80	10.24	0.63	9.85
102	0.31	11.64	0.24	10.24			0.81	10.24	0.61	9.85
136	0.34	21.33	0.27	10.24			0.81	10.24	0.63	9.48
210	0.36	9.14	0.26	11.13			0.81	9.85	0.65	9.14
244	0.39	9.14	0.29	10.67			0.81	9.85	0.64	9.14
530	0.61	9.14	0.61	9.14			0.92	9.14	0.70	9.48
604	0.65	9.85	0.63	9.85			0.91	8.53	0.72	9.85

(Continued)

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Table C1 (Continued)

Time EST	CS01 Pressure Sensor (411) Height m	CS01 Period sec	CS02 Pressure Sensor (421) Height m	CS02 Period sec	CS03 Pressure Sensor (431) Height m	CS03 Period sec	CS04 Pressure Sensor (441) Height m	CS04 Period sec	CS05 Pressure Sensor (451) Height m	CS05 Period sec
638	0.67	9.85	0.66	9.85			0.89	9.48	0.71	9.85
712	0.69	9.85	0.64	9.48			0.89	9.48	0.69	9.85
746	0.64	9.85	0.65	9.48			0.87	9.14	0.70	9.85
820	0.64	10.24	0.63	9.48			0.93	9.48	0.70	10.24
854	0.59	10.24	0.59	10.24	0.52	10.24	0.89	9.48	0.69	10.24
1140	0.38	10.67	0.47	10.24	0.40	9.48	0.78	9.48	0.59	9.14
1214	0.34	23.27	0.42	10.24	0.37	9.48	0.74	9.85	0.55	9.48
1248	0.33	23.27	0.35	9.85	0.36	9.48	0.76	10.24	0.54	8.53
1322	0.31	23.27	0.31	10.67	0.34	9.14	0.73	8.83	0.53	8.83
1356	0.33	23.27	0.32	10.24	0.35	9.14	0.72	8.83	0.56	9.14
1430	0.35	23.27	0.37	10.67	0.38	9.85	0.75	10.24	0.60	10.24
1504	0.39	9.85	0.43	9.85	0.40	9.85	0.77	9.85	0.61	9.85
1750	0.51	7.76	0.59	7.53	0.50	7.76	0.84	7.76	0.72	7.76
1824	0.55	7.53	0.62	7.31	0.52	7.31	0.86	7.31	0.76	7.11
1858	0.56	7.53	0.63	9.14	0.53	7.11	0.89	7.11	0.82	7.11
1932	0.57	7.31	0.65	7.31	0.52	7.53	0.88	7.31	0.81	7.11
2006	0.54	8.26	0.62	8.83	0.51	8.00	0.86	8.83	0.79	8.26
2040	0.53	8.26	0.58	8.53	0.51	8.00	0.85	8.53	0.78	8.53
2114	0.53	8.26	0.59	9.48	0.49	7.76	0.81	9.14	0.76	7.76
					19 October 1986					
0	0.41	23.27	0.49	23.27	0.41	10.67	0.72	9.85	0.58	9.85
34	0.38	23.27	0.44	10.24	0.38	8.83	0.71	10.24	0.55	8.53
108	0.37	19.69	0.43	10.24	0.37	11.13	0.70	10.24	0.54	10.24
142	0.38	21.33	0.42	10.24	0.38	11.13	0.72	9.85	0.56	9.85
216	0.40	21.33	0.44	11.13	0.41	11.13	0.73	21.33	0.58	9.48
250	0.41	23.27	0.47	23.27	0.42	11.13	0.74	10.24	0.57	11.13
324	0.43	10.24	0.48	9.48	0.44	10.24	0.75	9.48	0.60	9.14
610	0.65	10.67	0.68	9.48	0.58	10.24	0.99	10.67	0.84	10.24
644	0.70	10.24	0.69	9.85	0.60	9.85	0.98	10.24	0.85	9.85
718	0.73	10.67	0.72	10.67	0.63	10.24	1.05	10.24	0.87	9.85
752	0.71	11.13	0.72	11.64	0.60	10.67	1.01	11.64	0.86	10.67
826	0.72	11.13	0.72	11.64	0.58	10.67	0.99	11.13	0.87	10.24
900	0.69	11.13	0.68	11.64	0.57	10.67	1.02	11.13	0.82	10.67
934	0.68	11.64	0.67	11.64	0.58	11.13	1.00	11.64	0.82	11.64
1220	0.51	11.64	0.53	12.80	0.48	11.13	0.75	12.19	0.61	11.13
1254	0.44	11.64	0.47	12.80	0.45	11.64	0.73	12.19	0.57	11.64
1328	0.44	21.33	0.45	23.27	0.44	11.64	0.73	12.19	0.56	11.64
1402	0.45	12.19	0.48	23.27	0.43	11.64	0.74	12.19	0.57	11.64
1436	0.44	11.64	0.47	23.27	0.47	11.64	0.74	11.64	0.58	11.64
1510	0.44	23.27	0.47	23.27	0.45	11.64	0.72	12.19	0.56	11.64
1544	0.48	21.33	0.51	23.27	0.47	11.64	0.75	11.64	0.59	11.13
1830	0.64	11.64	0.63	11.64	0.56	11.13	0.88	11.64	0.73	11.13
1904	0.62	10.67	0.61	11.64	0.54	10.67	0.83	11.64	0.75	10.67
1938	0.64	10.67	0.63	11.64	0.57	10.67	0.88	11.64	0.75	10.67
2012	0.61	11.13	0.59	10.24	0.55	10.67	0.80	11.13	0.74	10.67
2046	0.60	11.13	0.58	9.85	0.54	11.13	0.81	11.13	0.73	10.67
2120	0.61	11.13	0.60	11.64	0.53	11.13	0.83	11.13	0.72	11.13
2154	0.56	11.13	0.54	10.24	0.50	10.67	0.76	11.64	0.68	11.13
					20 October 1986					
40	0.40	21.33	0.44	23.27	0.40	11.13	0.65	12.19	0.52	11.13
114	0.37	21.33	0.39	23.27	0.36	11.13	0.57	19.69	0.47	11.13
148	0.38	11.64	0.39	23.27	0.37	11.13	0.57	9.85	0.48	10.67
222	0.40	11.13	0.41	23.27	0.39	11.13	0.59	11.13	0.50	11.13
256	0.39	10.67	0.42	23.27	0.40	10.67	0.61	10.67	0.48	10.67
330	0.41	10.67	0.41	10.67	0.41	10.67	0.61	10.67	0.54	10.67
404	0.42	10.67	0.43	10.24	0.42	10.67	0.62	10.67	0.53	10.67
650	0.60	10.67	0.57	9.85	0.53	10.24	0.74	10.67	0.69	10.24
724	0.62	10.67	0.60	10.24	0.54	10.24	0.80	10.67	0.72	10.24
758	0.64	10.24	0.59	9.85	0.54	10.24	0.78	10.24	0.73	10.24
832	0.63	10.24	0.60	9.85	0.51	10.24	0.79	11.13	0.71	10.24
906	0.62	10.67	0.60	11.64	0.52	10.24	0.81	11.13	0.72	10.24
940	0.61	10.67	0.59	9.85	0.52	10.24	0.79	10.67	0.72	10.24
1014	0.62	11.13	0.58	11.64	0.53	11.13	0.85	11.13	0.71	10.67
1300	0.47	11.13	0.44	23.27			0.68	11.64	0.53	11.13
1334	0.43	11.13	0.41	10.24			0.63	10.67	0.48	11.13
1408	0.44	11.13	0.40	12.80			0.65	10.67	0.48	10.67
1442	0.44	11.13	0.42	23.27			0.65	12.19	0.48	11.13
1516	0.45	11.64	0.41	12.80			0.65	12.19	0.47	11.13
1550	0.45	10.67	0.43	12.80			0.65	10.24	0.47	11.13
1624	0.44	11.64	0.41	12.19			0.67	12.19	0.49	11.13
1900	0.50	12.19	0.50	12.80			0.73	12.19	0.58	11.13

(Continued)

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Table C1 (Continued)

Time EST	CS01 Pressure Sensor (411) Height m	CS01 Period sec	CS02 Pressure Sensor (421) Height m	CS02 Period sec	CS03 Pressure Sensor (431) Height m	CS03 Period sec	CS04 Pressure Sensor (441) Height m	CS04 Period sec	CS05 Pressure Sensor (451) Height m	CS05 Period sec
1934	0.55	11.64	0.57	12.19			0.78	12.19	0.62	10.24
2008	0.62	11.13	0.54	12.19			0.79	11.64	0.63	11.13
2042	0.62	11.64	0.56	12.19			0.82	12.19	0.63	12.19
2116	0.63	11.13	0.54	12.80			0.80	11.13	0.62	11.13
2150	0.59	11.13	0.55	12.19			0.75	11.64	0.64	10.67
2224	0.57	11.13	0.52	12.80			0.75	12.19	0.60	12.80
					21 October 1986					
100	0.40	11.13	0.44	12.80			0.65	12.80	0.53	11.13
134	0.39	11.13	0.42	12.80			0.66	12.19	0.49	11.64
208	0.37	11.64	0.42	12.80			0.64	12.80	0.51	11.64
242	0.37	11.64	0.39	12.80			0.66	12.80	0.49	10.67
316	0.39	11.64	0.39	23.27			0.65	12.19	0.54	11.64
350	0.42	11.64	0.42	12.80			0.66	12.19	0.53	11.64
424	0.47	11.13	0.46	13.47			0.71	10.67	0.56	11.13
730	0.56	11.13	0.52	11.13			0.85	11.13	0.63	10.67
804	0.58	11.64	0.56	11.64			0.92	11.64	0.68	10.67
838	0.58	11.13	0.53	12.19			0.92	11.64	0.69	10.67
912	0.58	11.64	0.57	12.19			0.94	11.64	0.68	11.13
946	0.56	10.67	0.53	9.85			0.83	10.67	0.67	10.24
1020	0.56	11.13	0.52	12.80			0.84	12.19	0.64	10.67
1054	0.57	11.64	0.53	12.19			0.88	12.19	0.65	10.67
1340	0.43	11.13	0.44	12.80			0.74	10.67	0.55	11.13
1414	0.42	11.64	0.43	13.47			0.70	12.80	0.53	11.64
1448	0.39	11.64	0.40	12.80			0.74	12.80	0.52	11.64
1522	0.38	11.64	0.43	13.47			0.76	13.47	0.55	11.64
1556	0.37	11.64	0.40	13.47			0.75	12.80	0.54	12.19
1630	0.38	11.64	0.39	10.67			0.76	10.67	0.56	11.64
1704	0.40	11.64	0.40	23.27			0.75	12.80	0.54	12.19
1950	0.52	11.64	0.54	13.47			0.82	11.64	0.67	11.13
2024	0.49	11.64	0.55	9.85			0.83	11.64	0.63	11.13
2058	0.53	11.64	0.55	12.80			0.88	12.19	0.65	11.64
2132	0.55	11.64	0.52	13.47			0.87	12.19	0.64	11.13
2206	0.54	11.64	0.53	13.47			0.89	12.19	0.64	11.13
2240	0.50	11.64	0.50	12.80			0.84	12.19	0.64	11.64
2314	0.46	12.19	0.51	12.80			0.86	12.19	0.64	11.64
					22 October 1986					
200	0.43	11.64	0.40	12.80			0.76	11.64	0.57	12.19
234	0.36	12.19	0.36	13.47			0.74	13.47	0.55	12.19
308	0.37	12.19	0.35	13.47			0.75	13.47	0.56	12.19
342	0.36	12.19	0.32	15.06			0.75	11.64	0.58	12.19
416	0.38	12.19	0.31	13.47			0.78	12.80	0.59	12.19
450	0.44	12.19	0.33	14.22			0.77	11.13	0.58	12.19
524	0.44	12.19	0.40	13.47			0.80	10.67	0.61	11.64
810	0.50	11.64	0.52	13.47			0.83	12.19	0.63	11.13
844	0.54	12.19	0.51	13.47			0.83	12.19	0.61	11.64
918	0.55	12.19	0.54	12.80			0.87	12.19	0.66	11.64
952	0.49	11.64	0.52	13.47			0.82	12.19	0.66	11.64
1026	0.50	11.64	0.49	12.19			0.80	12.19	0.63	11.13
1100	0.47	12.19	0.52	12.80			0.83	12.19	0.65	11.13
1134	0.45	12.19	0.49	13.47			0.80	12.19	0.60	11.64
1430	0.33	12.19	0.33	12.80					0.54	12.19
1504	0.30	12.19	0.28	10.67			0.74	11.64	0.52	10.67
1538	0.30	11.64	0.27	11.13			0.78	11.13	0.55	11.64
1612	0.30	11.64	0.26	11.13			0.78	11.64	0.54	11.13
1646	0.29	11.64	0.26	11.13			0.76	11.64	0.54	11.64
1720	0.30	12.19	0.26	10.67			0.75	11.13	0.55	11.64
1754	0.34	12.19	0.29	11.13			0.78	11.64	0.59	12.19
2030	0.43	11.64	0.52	11.13			0.78	11.13	0.64	11.64
2104	0.44	11.64	0.51	9.85			0.77	11.64	0.60	11.64
2138	0.48	11.64	0.51	10.24			0.83	11.13	0.65	11.13
2212	0.50	11.64	0.52	12.80			0.86	12.80	0.62	11.64
2246	0.46	11.64	0.50	11.64			0.77	11.64	0.58	11.64
2320	0.40	11.64	0.50	10.67			0.77	12.19	0.59	11.64
2354	0.43	11.64	0.46	13.47			0.83	11.64	0.60	11.64
					23 October 1986					
230	0.35	11.64	0.31	10.24			0.75	11.13	0.55	10.24
304	0.32	12.19	0.28	11.13			0.74	11.13	0.54	11.13
338	0.33	12.19	0.26	11.13			0.71	11.64	0.52	12.19
412	0.31	12.19	0.25	12.19			0.76	12.19	0.52	12.19
446	0.38	12.19	0.27	11.13			0.79	11.64	0.55	12.19
520	0.35	11.64	0.28	11.13			0.75	11.64	0.51	11.64
554	0.38	11.64	0.30	11.13			0.80	11.13	0.54	11.13

(Continued)

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Table C1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	LS02 U (229) m/sec	LS02 V (329) m/sec	LS04 U (249) m/sec	LS04 V (349) m/sec	LS05 U (259) m/sec	LS05 V (359) m/sec	LS06 U (269) m/sec	LS06 V (369) m/sec	LS07 U (279) m/sec	LS07 V (379) m/sec
						6 October 1986						
1400	0.05	1.78			0.19	1.45	0.25	1.59	0.11	1.53	-0.01	1.59
1434	0.03	1.67			0.21	1.44	0.21	1.46	0.13	1.51	-0.02	1.48
1508	0.07	1.64			0.25	1.54	0.20	1.48	0.12	1.60	0.00	1.49
1542	0.08	1.48			0.21	1.44	0.17	1.39	0.06	1.58	0.01	1.39
1616	0.09	1.28			0.17	1.26	0.16	1.22	0.00	1.38	-0.01	1.21
1650	0.11	1.21			0.15	1.17	0.16	1.15	0.00	1.27	-0.01	1.19
1724	0.10	1.10			0.13	1.06	0.15	1.07	0.00	1.18	0.01	1.05
1907	0.06	0.56			0.05	0.53	0.08	0.55	-0.01	0.59	0.00	0.57
1941	0.05	0.43			0.03	0.41	0.06	0.41	0.00	0.45	0.00	0.45
2015	0.04	0.32			0.03	0.31	0.05	0.31	0.00	0.36	0.00	0.35
2049	0.04	0.33			0.03	0.32	0.06	0.32	0.01	0.36	0.01	0.36
2123	0.04	0.35			0.03	0.34	0.05	0.34	0.00	0.39	0.01	0.37
2157	0.04	0.28			0.03	0.28	0.05	0.27	0.01	0.31	0.01	0.31
2231	0.05	0.31			0.04	0.29	0.06	0.31	0.02	0.35	0.01	0.35
						7 October 1986						
117	0.05	0.94			0.05	0.96	0.13	0.90	0.04	1.06	-0.04	0.86
151	0.05	0.93			0.05	0.95	0.13	0.83	0.03	1.02	-0.07	0.85
225	0.07	0.83			0.03	0.91	0.13	0.81	0.03	1.01	-0.07	0.79
259	0.07	0.80			0.02	0.88	0.12	0.76	0.05	0.93	-0.07	0.79
333	0.05	0.75			0.03	0.84	0.12	0.75	0.05	0.91	-0.05	0.73
407	0.04	0.75			0.02	0.87	0.13	0.81	0.06	0.91	-0.05	0.70
441	0.06	0.65			0.03	0.75	0.12	0.74	0.05	0.85	-0.03	0.70
735	-0.34	-0.08	0.03	0.32	0.03	0.32	0.06	0.34	0.02	0.37	0.01	0.35
809	-0.26	-0.07	0.03	0.24	0.04	0.24	0.05	0.25	0.02	0.28	0.01	0.28
843	-0.23	-0.06	0.02	0.21	0.03	0.21	0.04	0.22	0.03	0.24	0.00	0.25
917	-0.21	-0.07	0.02	0.19	0.03	0.19	0.04	0.19	0.03	0.22	0.00	0.22
951	-0.20	-0.06	0.02	0.19	0.03	0.19	0.04	0.20	0.04	0.22	0.02	0.22
1025	-0.20	-0.07	0.02	0.18	0.03	0.18	0.05	0.20	0.03	0.23	0.01	0.24
1059	-0.22	-0.07	0.03	0.20	0.04	0.20	0.05	0.20	0.04	0.23	0.02	0.24
1400	0.08	0.41	0.07	0.39	0.04	0.39	0.11	0.44	0.08	0.49	-0.02	0.41
1434	0.08	0.46	0.07	0.44	0.02	0.43	0.12	0.45	0.07	0.49	-0.02	0.36
1508	0.06	0.46	0.07	0.47	0.04	0.44	0.13	0.43	0.07	0.44	-0.02	0.34
1542	0.05	0.41	0.06	0.42	0.02	0.43	0.12	0.42	0.07	0.43	-0.03	0.37
1616	0.05	0.38	0.05	0.42	0.00	0.45	0.11	0.48	0.10	0.47	-0.01	0.32
1650	0.07	0.43	0.07	0.43	0.02	0.44	0.09	0.44	0.08	0.47	-0.03	0.38
1724	0.06	0.46	0.07	0.46	0.04	0.48	0.11	0.47	0.06	0.50	-0.04	0.45
2000	0.09	0.31	0.08	0.30	0.05	0.31	0.07	0.35	0.05	0.39	0.02	0.38
2034	0.08	0.23	0.06	0.24	0.06	0.25	0.06	0.28	0.04	0.32	0.02	0.30
2108	0.07	0.17	0.04	0.17	0.05	0.18	0.06	0.22	0.05	0.25	0.02	0.25
2142	0.07	0.14	0.04	0.16	0.05	0.16	0.06	0.19	0.05	0.24	0.03	0.22
2216	0.06	0.13	0.04	0.13	0.04	0.14	0.06	0.17	0.04	0.19	0.03	0.21
2250	0.05	0.12	0.03	0.13	0.05	0.13	0.06	0.17	0.05	0.19	0.03	0.20
2324	0.06	0.12	0.04	0.12	0.05	0.13	0.05	0.16	0.04	0.18	0.03	0.17
						8 October 1986						
200	0.14	0.24	0.12	0.24	0.07	0.18	0.11	0.24	0.06	-0.03	0.04	-0.06
234	0.17	0.28	0.13	0.28	0.05	0.18	0.09	0.22	0.06	-0.03	0.05	-0.15
308	0.19	0.29	0.11	0.24	0.03	0.13	0.13	0.16	0.05	-0.09	0.08	-0.11
342	0.22	0.20	0.06	0.01	0.04	-0.01	0.04	-0.14	0.01	-0.27	0.04	-0.12
416	0.13	0.04	0.04	-0.08	0.01	-0.04	0.04	-0.12	0.01	-0.30	0.09	-0.13
450	0.12	0.05	0.00	-0.07	0.05	-0.02	0.05	-0.12	0.01	-0.33	0.06	-0.16
524	0.07	0.00	-0.05	-0.06	0.09	-0.04	0.03	-0.18	0.01	-0.34	0.05	-0.16
830	0.03	-0.06	0.02	-0.08	0.05	-0.08	0.01	-0.10	-0.01	-0.14	0.05	-0.10
904	0.04	-0.06	0.00	-0.08	0.05	-0.10	0.01	-0.12	0.00	-0.16	0.04	-0.08
938	0.02	-0.05	-0.01	-0.07	0.04	-0.07	0.01	-0.09	0.03	-0.10	0.04	-0.07
1012	0.03	-0.03	0.00	-0.03	0.04	-0.05	0.02	-0.05	0.02	-0.07	0.03	-0.05
1046	0.03	-0.03	-0.01	-0.04	0.05	-0.03	0.02	-0.06	0.03	-0.08	0.02	-0.06
1120	0.02	-0.04	0.00	-0.04	0.03	-0.06	0.02	-0.05	0.03	-0.07	0.02	-0.05
1154	0.02	-0.04	0.00	-0.06	0.03	-0.07	0.02	-0.08	0.03	-0.11	0.03	-0.08
2100	0.02	-0.09	-0.02	-0.10	0.05	-0.08	0.03	-0.11	0.04	-0.17	0.06	-0.17
2134	0.03	-0.06	0.01	-0.06	0.05	-0.08	0.02	-0.10	0.05	-0.11	0.08	-0.14
2208	0.03	-0.07	-0.01	-0.08	0.05	-0.09	0.03	-0.10	0.05	-0.12	0.06	-0.16
2242	0.03	-0.07	-0.01	-0.09	0.05	-0.07	0.02	-0.08	0.07	-0.08	0.07	-0.14
2316	0.03	-0.06	0.00	-0.07	0.05	-0.06	0.03	-0.08	0.06	-0.10	0.07	-0.16
2350	0.03	-0.06	0.00	-0.07	0.05	-0.04	0.03	-0.09	0.06	-0.11	0.08	-0.16
						9 October 1986						
24	0.04	-0.08	0.01	-0.09	0.05	-0.09	0.02	-0.11	0.06	-0.13	0.08	-0.16
300	-0.01	-0.24	-0.05	-0.21	0.07	-0.09	0.03	-0.24	0.02	-0.39	0.10	-0.29
334	0.01	-0.16	0.01	-0.20	0.11	-0.26	-0.01	-0.42	-0.01	-0.50	0.09	-0.27
408	0.02	-0.14	0.01	-0.18	0.12	-0.26	-0.02	-0.43	-0.03	-0.42	0.08	-0.32
442	-0.01	-0.32	-0.04	-0.35	0.07	-0.35	-0.03	-0.36	0.00	-0.38	0.13	-0.40
516	-0.02	-0.38	-0.04	-0.39	0.09	-0.40	-0.01	-0.35	0.04	-0.34	0.11	-0.43
550	-0.02	-0.40	-0.03	-0.39	0.08	-0.39	-0.04	-0.41	0.01	-0.37	0.12	-0.45

(Continued)

(Sheet 13 of 26)

Table C1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	LS02 U (229) m/sec	LS02 V (329) m/sec	LS04 U (249) m/sec	LS04 V (349) m/sec	LS05 U (259) m/sec	LS05 V (359) m/sec	LS06 U (269) m/sec	LS06 V (369) m/sec	LS07 U (279) m/sec	LS07 V (379) m/sec
624	-0.02	-0.39	-0.04	-0.39	0.08	-0.36	-0.01	-0.42	0.03	-0.46	0.11	-0.48
930	0.01	-0.28	-0.02	-0.28	0.09	-0.30	0.03	-0.30	0.09	-0.37	0.11	-0.33
1004	0.01	-0.21	-0.01	-0.21	0.07	-0.21	0.02	-0.20	0.07	-0.24	0.09	-0.28
1038	0.03	-0.16	-0.01	-0.17	0.07	-0.17	0.02	-0.17	0.06	-0.20	0.08	-0.25
1112	0.02	-0.13	-0.01	-0.14	0.07	-0.13	0.03	-0.15	0.06	-0.17	0.09	-0.20
1146	0.02	-0.13	-0.01	-0.13	0.06	-0.12	0.02	-0.12	0.05	-0.13	0.09	-0.20
1220	0.02	-0.09	-0.01	-0.10	0.05	-0.09	0.02	-0.11	0.06	-0.13	0.08	-0.16
1254	0.03	-0.09	0.00	-0.09	0.06	-0.09	0.01	-0.12	0.05	-0.14	0.09	-0.17
1600	0.01	-0.16	-0.03	-0.15	0.04	-0.09	0.01	-0.19	0.06	-0.22	0.08	-0.25
1634	0.03	-0.07	0.01	-0.07	0.07	-0.06	0.02	-0.17	0.04	-0.21	0.07	-0.23
1708	0.02	-0.09	-0.01	-0.10	0.03	-0.07	0.02	-0.19	0.04	-0.20	0.06	-0.19
1742	0.02	-0.08	0.01	-0.05	0.05	-0.04	0.01	-0.21	0.03	-0.21	0.08	-0.22
1816	0.01	-0.13	-0.02	-0.11	0.04	-0.07	0.02	-0.16	0.05	-0.16	0.07	-0.19
1850	0.01	-0.11	-0.01	-0.08	0.05	-0.05	0.03	-0.17	0.02	-0.20	0.06	-0.21
1924	0.00	-0.16	-0.04	-0.12	0.03	-0.04	0.03	-0.16	0.03	-0.19	0.06	-0.21
2200	0.03	-0.06	0.00	-0.05	0.06	-0.07	0.01	-0.09	0.05	-0.12	0.05	-0.14
2234	0.01	-0.05	0.00	-0.04	0.05	-0.05	0.01	-0.05	0.05	-0.06	0.05	-0.06
2308	0.02	-0.04	-0.01	-0.04	0.05	-0.06	0.01	-0.08	0.03	-0.07	0.05	-0.07
2342	0.01	-0.04	-0.01	-0.04	0.03	-0.04	0.02	-0.03	0.04	-0.02	0.04	-0.08
						10 October 1986						
16	0.02	-0.01	0.00	-0.01	0.04	-0.02	0.01	-0.02	0.05	-0.03	0.04	-0.06
50	0.01	-0.02	-0.01	-0.01	0.03	-0.02	0.01	-0.02	0.04	-0.01	0.04	-0.08
124	0.02	-0.01	0.00	0.01	0.03	0.01	0.02	-0.01	0.04	-0.04	0.03	-0.05
400	0.01	0.09	0.00	0.07	0.03	0.09	0.01	0.07	0.05	0.10	0.04	0.00
434	0.05	0.14	0.02	0.14	0.02	0.13	0.03	0.12	0.03	0.16	0.03	0.12
508	0.05	0.26	0.04	0.26	0.02	0.28	0.04	0.22	0.05	0.31	0.03	0.31
542	0.05	0.53	0.06	0.53	0.01	0.59	0.06	0.45	0.08	0.57	0.02	0.52
616	0.07	0.99	0.07	0.95	-0.01	1.14	0.06	0.94	0.08	1.18	0.01	0.91
650	0.07	1.31	0.08	1.31	0.01	1.53	0.05	1.31	0.11	1.58	0.03	1.23
724	0.08	1.52	0.10	1.50	0.04	1.79	0.08	1.57	0.12	1.80	0.03	1.45
1030	0.25	1.88	0.26	1.68	0.24	1.91	0.25	1.89	0.27	2.03	0.24	1.81
1104	0.24	1.77	0.26	1.61	0.26	1.80	0.28	1.78	0.27	1.89	0.26	1.71
1138	0.31	1.66	0.26	1.49	0.28	1.67	0.30	1.69	0.29	1.75	0.28	1.64
1212	0.29	1.33	0.24	1.22	0.25	1.37	0.26	1.41	0.26	1.47	0.24	1.32
1246	0.31	1.53	0.28	1.41	0.29	1.56	0.30	1.61	0.31	1.62	0.29	1.51
1320	0.26	1.58	0.25	1.39	0.27	1.54	0.28	1.57	0.29	1.61	0.28	1.50
1354	0.25	1.62	0.21	1.36	0.27	1.52	0.28	1.54	0.30	1.60	0.26	1.47
1700	0.15	1.47	0.13	1.27	0.13	1.33	0.12	1.36	0.18	1.43	0.12	1.00
1734	0.12	1.41	0.10	1.23	0.10	1.28	0.12	1.31	0.17	1.40	0.10	0.98
1808	0.11	1.29	0.08	1.12	0.08	1.20	0.09	1.23	0.14	1.34	0.08	0.87
1842	0.11	1.23	0.07	1.06	0.06	1.12	0.08	1.10	0.11	1.20	0.05	0.85
1916	0.10	1.20	0.06	1.03	0.07	1.11	0.07	1.08	0.10	1.20	0.05	0.81
1950	0.12	1.12	0.05	0.96	0.07	1.06	0.09	1.03	0.11	1.09	0.07	0.87
2024	0.13	1.13	0.06	0.97	0.06	1.06	0.08	1.08	0.12	1.16	0.05	0.92
2320	0.22	1.03	0.12	0.96	0.16	1.03	0.20	1.05	0.24	1.08	0.15	0.92
2354	0.24	0.97	0.15	0.89	0.19	0.93	0.19	0.96	0.24	1.02	0.16	0.85
						11 October 1986						
28	0.24	0.95	0.15	0.90	0.18	0.94	0.19	0.98	0.25	1.00	0.16	0.87
102	0.25	0.92	0.16	0.85	0.19	0.89	0.21	0.91	0.25	0.94	0.17	0.80
136	0.24	0.88	0.15	0.82	0.19	0.85	0.21	0.82	0.25	0.88	0.16	0.77
210	0.23	0.85	0.16	0.78	0.19	0.81	0.22	0.82	0.25	0.85	0.17	0.70
244	0.25	0.74	0.15	0.72	0.17	0.73	0.19	0.74	0.25	0.74	0.15	0.64
540	0.11	0.57	0.05	0.54	0.06	0.54	0.11	0.58	0.09	0.61	0.04	0.37
614	0.05	0.54	0.00	0.56	0.03	0.57	0.10	0.58	0.10	0.61	0.03	0.39
648	0.08	0.53	0.03	0.54	0.04	0.55	0.09	0.54	0.10	0.54	0.02	0.44
722	0.08	0.52	0.02	0.55	0.04	0.57	0.09	0.57	0.08	0.59	0.03	0.42
756	0.07	0.50	0.03	0.50	0.05	0.51	0.08	0.53	0.06	0.57	0.03	0.40
830	0.09	0.44	0.03	0.47	0.02	0.52	0.09	0.55	0.11	0.54	0.03	0.39
904	0.11	0.50	0.06	0.51	0.08	0.48	0.10	0.52	0.10	0.57	0.06	0.38
1200	0.22	0.41	0.14	0.43	0.19	0.44	0.22	0.44	0.25	0.43	0.17	0.32
1234	0.25	0.47	0.18	0.48	0.22	0.46	0.26	0.44	0.25	0.45	0.17	0.34
1308	0.24	0.49	0.17	0.47	0.22	0.48	0.26	0.44	0.24	0.45	0.19	0.33
1342	0.29	0.51	0.22	0.51	0.25	0.54	0.25	0.50	0.23	0.50	0.19	0.41
1416	0.24	0.40	0.19	0.41	0.21	0.41	0.29	0.37	0.24	0.37	0.20	0.32
1450	0.27	0.46	0.19	0.44	0.23	0.43	0.25	0.38	0.29	0.35	0.16	0.35
1524	0.22	0.31	0.19	0.30	0.22	0.28	0.25	0.27	0.19	0.20	0.19	0.20
1820	0.03	0.04	0.02	0.05	0.07	0.07	0.02	0.06	0.04	0.02	0.12	-0.03
1854	0.02	0.06	-0.05	0.07	0.03	0.09	0.05	0.11	0.13	0.11	0.02	-0.01
1928	0.08	0.02	0.02	0.02	-0.01	0.05	0.04	0.08	0.14	0.13	-0.10	-0.01
2002	-0.02	-0.13	-0.07	-0.09	-0.03	-0.08	0.03	-0.06	0.21	0.04	0.07	-0.03
2036	-0.07	-0.11	-0.08	-0.05	-0.03	-0.03	0.12	-0.01	0.15	-0.13	0.11	-0.09

(Continued)

(Sheet 14 of 26)

Table C1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	LS02 U (229) m/sec	LS02 V (329) m/sec	LS04 U (249) m/sec	LS04 V (349) m/sec	LS05 U (259) m/sec	LS05 V (359) m/sec	LS06 U (269) m/sec	LS06 V (369) m/sec	LS07 U (279) m/sec	LS07 V (379) m/sec
2110	-0.01	0.00	-0.10	0.04	-0.02	0.04	0.15	0.06	0.10	0.01	0.10	-0.06
2144	-0.07	-0.09	-0.05	-0.04	-0.01	0.00	0.04	0.02	0.23	0.07	0.05	-0.01
					12 October 1986							
40	0.04	-0.15	0.05	-0.06	0.05	-0.08	0.17	-0.11	0.19	-0.24	0.17	-0.21
114	-0.02	-0.19	0.02	-0.13	0.14	-0.17	0.16	-0.22	0.19	-0.36	0.29	-0.16
148	0.09	-0.16	0.05	-0.13	0.18	-0.12	0.20	-0.23	0.19	-0.33	0.20	-0.06
222	0.11	-0.24	0.08	-0.20	0.17	-0.22	0.19	-0.30	0.15	-0.38	0.25	-0.18
256	0.17	-0.54	0.12	-0.46	0.14	-0.50	0.15	-0.53	0.17	-0.60	0.19	-0.44
330	0.13	-0.46	0.11	-0.40	0.14	-0.41	0.15	-0.44	0.15	-0.45	0.20	-0.47
404	0.14	-0.40	0.14	-0.35	0.18	-0.42	0.17	-0.55	0.12	-0.61	0.15	-0.32
645	-0.01	0.02	0.01	0.05	0.16	0.11	0.08	-0.15	0.12	-0.24	0.14	-0.05
719	-0.04	0.13	-0.09	0.18	0.16	0.22	0.07	-0.10	0.08	-0.15	0.08	-0.04
753	-0.12	0.22	-0.12	0.26	0.14	0.33	0.14	-0.05	0.13	-0.16	0.05	0.01
827	-0.13	0.18	-0.17	0.27	0.20	0.32	0.05	-0.09	0.07	-0.23	0.07	0.05
901	-0.17	0.20	-0.16	0.24	0.17	0.35	0.13	-0.05	0.12	-0.22	0.08	0.15
935	-0.04	0.24	-0.11	0.31	0.11	0.41	0.11	0.00	0.12	-0.19	0.02	0.09
1009	-0.05	0.20	-0.14	0.30	0.14	0.35	0.09	-0.04	0.14	-0.20	0.05	0.07
1300	0.04	-0.21	0.12	-0.15	0.22	-0.13	0.21	-0.36	0.17	-0.45		
1334	0.16	-0.28	0.20	-0.23	0.24	-0.30	0.17	-0.47	0.13	-0.48		
1408	0.17	-0.28	0.21	-0.21	0.26	-0.26	0.14	-0.36	0.17	-0.41		
1442	0.18	-0.25	0.20	-0.21	0.25	-0.28	0.19	-0.40	0.13	-0.42		
1516	0.16	-0.11	0.17	-0.04	0.29	-0.11	0.22	-0.31	0.16	-0.34		
1550	0.19	-0.14	0.15	-0.09	0.26	-0.13	0.20	-0.34	0.18	-0.40		
1624	0.21	-0.27	0.22	-0.25	0.26	-0.34	0.18	-0.52	0.13	-0.56		
1915	-0.08	0.34	-0.11	0.42	0.20	0.47	0.17	0.07	0.15	-0.17	0.05	0.14
1949	-0.02	0.16	0.04	0.15	0.24	0.03	0.10	-0.32	0.06	-0.33	0.02	0.04
2023	-0.04	0.35	0.05	0.35	0.27	0.20	0.08	-0.27	0.06	-0.33	-0.02	0.16
2057	0.01	0.40	0.16	0.41	0.19	0.15	0.08	-0.23	0.07	-0.26	0.02	0.23
2131	0.07	0.29	0.12	0.25	0.12	0.01	0.04	-0.29	0.03	-0.24	-0.03	0.19
2205	0.04	0.01	0.13	0.01	0.15	-0.22	0.02	-0.41	-0.03	-0.33	0.10	0.11
2239	0.06	0.00	0.12	-0.02	0.14	-0.25	0.03	-0.44	0.00	-0.45	0.10	0.08
					13 October 1986							
130	0.16	-0.14	0.18	-0.14	0.15	-0.23	0.12	-0.32	0.12	-0.29	0.14	-0.29
204	0.15	-0.05	0.20	-0.07	0.27	-0.23	0.12	-0.47	0.10	-0.50	0.15	-0.22
238	0.17	-0.28	0.21	-0.28	0.21	-0.41	0.10	-0.47	0.06	-0.43	0.22	-0.28
312	0.20	-0.26	0.18	-0.25	0.15	-0.37	0.10	-0.39	0.10	-0.31	0.17	-0.27
346	0.14	-0.17	0.14	-0.14	0.17	-0.20	0.15	-0.25	0.17	-0.25	0.19	-0.34
420	0.18	-0.25	0.20	-0.26	0.19	-0.41	0.13	-0.50	0.09	-0.49	0.19	-0.28
454	0.18	-0.29	0.16	-0.27	0.15	-0.41	0.11	-0.48	0.08	-0.46	0.15	-0.37
745	0.08	0.07	0.11	-0.01	0.09	-0.23	0.04	-0.35	0.01	-0.21	0.04	-0.09
819	0.12	0.09	0.16	0.01	0.14	-0.25	0.00	-0.36	-0.02	-0.30	0.02	-0.02
853	0.06	-0.06	0.05	-0.11	0.04	-0.23	0.07	-0.27	0.05	-0.17	0.04	-0.03
927	0.09	0.31	0.10	0.21	0.12	-0.01	0.08	-0.22	0.05	-0.12	0.07	0.18
1001	0.17	0.22	0.16	0.10	0.17	-0.24	-0.01	-0.33	0.00	-0.22	0.02	0.08
1035	0.06	0.08	0.11	-0.04	0.12	-0.25	0.03	-0.35	0.00	-0.25	-0.05	-0.06
1109	-0.14	-0.40	0.10	-0.04	0.09	-0.25	0.05	-0.34	0.02	-0.17	0.01	-0.05
					14 October 1986							
910	0.08	-0.44	0.12	-0.43	0.07	-0.48	-0.01	-0.35	-0.09	-0.30	0.04	0.10
944	0.13	-0.12	0.14	-0.25	0.10	-0.37	0.03	-0.28	-0.04	-0.17	-0.15	0.08
1018	0.13	-0.28	0.11	-0.31	0.08	-0.42	0.01	-0.30	-0.06	-0.22	0.06	0.20
1052	0.15	-0.44	0.10	-0.44	0.06	-0.51	-0.01	-0.35	-0.08	-0.25	0.08	0.07
1126	0.17	-0.47	0.09	-0.44	0.04	-0.48	-0.01	-0.32	-0.08	-0.19	0.09	0.09
1200	0.14	-0.46	0.12	-0.46	0.06	-0.52	-0.01	-0.37	-0.07	-0.26	0.06	0.06
1234	0.06	-0.41	0.09	-0.41	0.05	-0.49	0.00	-0.34	-0.03	-0.19	0.10	0.04
1500	0.07	-0.40	0.03	-0.35	0.04	-0.33	0.04	-0.27	0.03	-0.24	0.08	-0.24
1534	0.04	-0.34	0.03	-0.29	0.03	-0.29	0.05	-0.24	0.04	-0.18	0.09	-0.25
1608	0.04	-0.31	0.01	-0.28	0.03	-0.26	0.03	-0.23	0.03	-0.17	0.09	-0.22
1642	0.05	-0.26	0.02	-0.22	0.02	-0.21	0.03	-0.16	0.05	-0.13	0.08	-0.27
1716	0.07	-0.23	0.02	-0.20	0.04	-0.20	0.03	-0.18	0.05	-0.10	0.07	-0.19
1750	0.06	-0.24	0.04	-0.21	0.03	-0.19	0.04	-0.12	0.03	-0.06	0.06	-0.16
1824	0.15	-0.28	0.03	-0.23	0.03	-0.19	0.02	-0.14	0.05	-0.08	0.06	-0.09
2115	0.14	-0.34	0.12	-0.38	0.05	-0.40	0.02	-0.26	-0.08	-0.20	0.03	0.09
2149	0.06	-0.40	0.09	-0.39	0.04	-0.42	0.00	-0.25	-0.08	-0.16	-0.15	0.04
2223	0.07	-0.11	0.14	-0.21	0.10	-0.37	0.01	-0.17	-0.06	-0.10	-0.12	0.01
2257	0.09	-0.12	0.13	-0.23	0.05	-0.32	0.01	-0.13	-0.10	-0.06	-0.22	0.04
2331			0.16	-0.25	0.07	-0.34	-0.03	-0.19	-0.11	-0.09	-0.15	-0.05
					15 October 1986							
5	-0.01	-0.04	0.13	-0.16	0.12	-0.35	-0.05	-0.19	-0.09	-0.02	-0.15	0.04
39	0.01	0.22	0.03	0.18	0.20	0.03	0.03	-0.08	-0.02	0.04	-0.14	-0.05
330	0.02	0.80	0.01	0.70	0.05	0.65	0.08	0.59	0.16	0.61	0.04	0.78
404	0.03	0.83	0.01	0.73	0.05	0.70	0.08	0.65	0.16	0.67	0.05	0.84
438	0.05	0.87	0.03	0.79	0.05	0.76	0.09	0.71	0.17	0.72	0.06	0.93
512	0.05	0.94	0.04	0.87	0.05	0.84	0.09	0.79	0.19	0.81	0.09	1.02

(Continued)

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Table C1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	LS02 U (229) m/sec	LS02 V (329) m/sec	LS04 U (249) m/sec	LS04 V (349) m/sec	LS05 U (259) m/sec	LS05 V (359) m/sec	LS06 U (269) m/sec	LS06 V (369) m/sec	LS07 U (279) m/sec	LS07 V (379) m/sec
546	0.06	1.02	0.05	0.96	0.06	0.96	0.10	0.89	0.20	0.91	0.09	1.11
620	0.05	1.03	0.05	1.00	0.07	0.99	0.10	0.89	0.20	0.92	0.08	1.10
654	0.06	1.04	0.05	1.03	0.06	1.01	0.11	0.93	0.20	0.94	0.08	1.13
945	0.05	1.06	0.03	1.09	0.04	1.01	0.08	0.89	0.15	0.75	-0.02	1.03
1019	0.03	1.06	0.04	1.11	0.04	0.99	0.08	0.83	0.16	0.66	-0.07	0.94
1053	0.04	1.03	0.04	1.05	0.04	0.95	0.08	0.81	0.14	0.68	-0.08	0.92
1127	0.01	1.03	0.04	1.01	0.04	0.94	0.07	0.83	0.14	0.65	-0.07	0.84
1201	-0.01	1.04	0.03	1.02	0.07	0.94	0.10	0.86	0.16	0.65	-0.07	0.87
1235	0.00	0.93	0.02	0.90	0.06	0.83	0.08	0.78	0.15	0.62	-0.04	0.77
1309	-0.01	0.93	0.03	0.89	0.07	0.82	0.08	0.79	0.14	0.63	-0.03	0.85
1600	0.01	0.56	0.02	0.50	0.06	0.47	0.07	0.45	0.13	0.45	0.05	0.51
1634	0.02	0.44	0.02	0.40	0.05	0.38	0.06	0.37	0.10	0.37	0.05	0.45
1708	0.01	0.38	0.02	0.35	0.05	0.33	0.05	0.31	0.10	0.31	0.04	0.41
1742	0.00	0.34	0.02	0.30	0.05	0.29	0.06	0.28	0.09	0.28	0.04	0.34
1816	0.00	0.35	0.01	0.31	0.05	0.29	0.05	0.28	0.09	0.27	0.04	0.33
1850	0.00	0.34	0.00	0.31	0.05	0.29	0.05	0.27	0.09	0.26	0.04	0.31
1924	-0.04	0.37	0.01	0.33	0.05	0.31	0.05	0.28	0.10	0.26	0.03	0.31
2200	-0.05	0.78	-0.01	0.72	0.07	0.66	0.07	0.56	0.13	0.46	-0.06	0.62
2234	-0.05	0.84	-0.01	0.76	0.08	0.69	0.07	0.57	0.13	0.45	-0.11	0.59
2308	-0.05	0.85	-0.03	0.77	0.07	0.69	0.08	0.59	0.14	0.44	-0.13	0.59
2342			-0.01	0.73	0.08	0.66	0.09	0.54	0.14	0.37	-0.10	0.57
					16 October 1986							
16	-0.06	0.85	-0.01	0.72	0.08	0.67	0.10	0.58	0.14	0.42	-0.12	0.55
50	-0.05	0.84	-0.02	0.72	0.08	0.68	0.10	0.56	0.14	0.40	-0.10	0.57
124	-0.01	0.76	-0.01	0.67	0.06	0.63	0.10	0.56	0.14	0.42	-0.08	0.55
400	0.00	0.53	0.01	0.45	0.05	0.43	0.07	0.43	0.10	0.38	0.02	0.49
434	0.00	0.47	0.02	0.40	0.05	0.40	0.06	0.38	0.10	0.35	0.03	0.45
508	0.00	0.43	0.02	0.37	0.05	0.36	0.05	0.37	0.09	0.33	0.04	0.43
542	0.01	0.42	0.02	0.36	0.05	0.35	0.05	0.34	0.09	0.31	0.03	0.42
616	0.00	0.42	0.03	0.36	0.05	0.35	0.06	0.34	0.09	0.31	0.03	0.43
650	0.00	0.43	0.03	0.36	0.05	0.36	0.06	0.36	0.09	0.33	0.03	0.41
724	-0.06	0.48	0.03	0.41	0.05	0.40	0.07	0.41	0.10	0.36	0.04	0.46
1020	-0.07	1.14	0.03	0.93	0.08	1.05	0.09	0.95	0.14	0.71	-0.08	0.71
1054	-0.08	1.07	0.01	0.88	0.05	0.99	0.08	0.92	0.14	0.71	-0.07	0.58
1128	-0.11	1.02	0.02	0.85	0.05	0.99	0.09	0.87	0.14	0.65	-0.10	0.65
1202	-0.08	1.12	0.01	0.93	0.03	1.04	0.09	0.94	0.15	0.73	-0.08	0.58
1236	-0.07	1.04	0.03	0.88	0.03	0.98	0.07	0.90	0.15	0.70	-0.07	0.66
1310	-0.09	1.01	0.04	0.87	0.03	0.97	0.07	0.88	0.14	0.69	-0.09	0.67
1344	-0.03	0.98	0.01	0.88	0.02	1.00	0.10	0.92	0.16	0.76	-0.05	0.64
1630	-0.01	0.58	0.02	0.52	0.05	0.55	0.09	0.52	0.13	0.50	0.04	0.49
1704	-0.01	0.47	0.02	0.42	0.04	0.44	0.08	0.44	0.11	0.43	0.04	0.42
1738	0.00	0.40	0.01	0.37	0.04	0.38	0.07	0.38	0.10	0.36	0.04	0.35
1812	0.00	0.35	0.01	0.32	0.04	0.34	0.06	0.33	0.09	0.32	0.04	0.32
1846	-0.01	0.29	0.01	0.26	0.04	0.27	0.06	0.26	0.08	0.25	0.03	0.25
1920	0.00	0.28	0.00	0.26	0.04	0.28	0.06	0.27	0.09	0.25	0.04	0.24
1954	-0.10	0.28	0.01	0.26	0.04	0.28	0.07	0.27	0.10	0.23	0.03	0.24
2240	-0.10	0.54	-0.04	0.52	0.05	0.55	0.15	0.49	0.15	0.39	-0.02	0.25
2314	-0.11	0.58	-0.04	0.54	0.05	0.59	0.15	0.52	0.15	0.43	-0.04	0.26
2348			-0.03	0.58	0.05	0.65	0.15	0.53	0.15	0.43	-0.05	0.24
					17 October 1986							
22	-0.12	0.65	-0.03	0.59	0.06	0.65	0.16	0.53	0.16	0.42	-0.06	0.29
56	-0.13	0.61	-0.04	0.58	0.04	0.66	0.16	0.54	0.15	0.44	-0.04	0.29
130	-0.10	0.61	-0.04	0.57	0.05	0.64	0.16	0.52	0.16	0.44	-0.04	0.25
204	-0.01	0.60	-0.04	0.56	0.05	0.62	0.14	0.52	0.15	0.45	-0.04	0.34
450	-0.01	0.35	0.01	0.32	0.05	0.35	0.09	0.31	0.10	0.31	0.05	0.28
524	0.00	0.30	0.02	0.27	0.04	0.28	0.08	0.26	0.10	0.26	0.04	0.27
558	0.00	0.31	0.01	0.28	0.05	0.29	0.08	0.28	0.10	0.28	0.03	0.27
632	0.00	0.31	0.02	0.27	0.04	0.29	0.08	0.27	0.10	0.26	0.03	0.26
706	-0.01	0.31	0.02	0.27	0.05	0.29	0.08	0.26	0.10	0.27	0.03	0.29
740	-0.01	0.32	0.02	0.28	0.04	0.31	0.08	0.28	0.11	0.27	0.03	0.27
814	-0.09	0.33	0.02	0.30	0.05	0.32	0.09	0.29	0.10	0.28	0.03	0.26
1100	-0.12	0.48	-0.02	0.47	0.06	0.54	0.17	0.43	0.16	0.39	-0.04	0.23
1134	-0.10	0.53	-0.02	0.51	0.09	0.57	0.20	0.42	0.18	0.23	-0.04	0.16
1208	-0.12	0.51	-0.02	0.49	0.06	0.57	0.21	0.42	0.21	0.24	-0.03	0.20
1242	-0.09	0.56	-0.02	0.52	0.08	0.61	0.23	0.47	0.22	0.24	-0.07	0.26
1316	-0.11	0.55	0.00	0.50	0.10	0.57	0.21	0.39	0.24	0.13	-0.05	0.20
1350	-0.10	0.51	-0.02	0.46	0.10	0.55	0.25	0.39	0.35	0.08	-0.02	0.21
1424	0.00	0.47	-0.02	0.44	0.09	0.51	0.22	0.38	0.22	0.19	-0.04	0.22
1710	0.00	0.26	0.04	0.23	0.10	0.24	0.20	0.19	0.19	0.03	0.07	0.15
1744	0.01	0.21	0.03	0.19	0.10	0.23	0.22	0.14	0.12	0.04	0.09	0.09
1818	-0.01	0.18	0.02	0.17	0.08	0.21	0.17	0.18	0.17	0.09	0.08	0.09

(Continued)

(Sheet 16 of 26)

Table C1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	LS02 U (229) m/sec	LS02 V (329) m/sec	LS04 U (249) m/sec	LS04 V (349) m/sec	LS05 U (259) m/sec	LS05 V (359) m/sec	LS06 U (269) m/sec	LS06 V (369) m/sec	LS07 U (279) m/sec	LS07 V (379) m/sec
1852	-0.03	0.22	0.02	0.20	0.08	0.23	0.17	0.21	0.23	0.10	0.08	0.11
1926	0.02	0.19	0.03	0.17	0.11	0.20	0.19	0.12	0.09	0.07	0.09	0.03
2000	0.00	0.20	0.03	0.17	0.08	0.20	0.15	0.18	0.20	0.08	0.07	0.09
2034	-0.09	0.26	0.02	0.24	0.09	0.28	0.19	0.21	0.21	0.07	-0.01	0.15
2320	-0.11	0.41	-0.03	0.38	0.11	0.47	0.25	0.34	0.30	-0.01	0.04	0.08
2354			-0.01	0.44	0.15	0.54	0.21	0.25	0.24	-0.12	0.01	0.14
					18 October 1986							
28	-0.11	0.48	-0.03	0.45	0.20	0.56	0.19	0.04	0.09	-0.07	0.00	0.14
102	-0.10	0.51	-0.03	0.46	0.14	0.60	0.26	0.30	0.24	-0.12	-0.03	0.19
136	-0.13	0.47	-0.04	0.43	0.13	0.54	0.28	0.33	0.28	-0.14	-0.01	0.09
210	-0.09	0.51	-0.04	0.46	0.12	0.55	0.27	0.38	0.24	0.02	0.00	0.19
244	0.03	0.51	-0.03	0.46	0.09	0.52	0.26	0.42	0.31	0.08	-0.01	0.22
530	0.03	0.43	0.04	0.37			0.11	0.37	0.15	0.38	0.05	0.35
604	0.03	0.47	0.04	0.41	0.09	0.42	0.14	0.38	0.16	0.37	0.06	0.39
638	0.02	0.41	0.03	0.36	0.08	0.38	0.11	0.36	0.14	0.38	0.05	0.38
712	0.03	0.45	0.04	0.39	0.09	0.41	0.13	0.38	0.13	0.38	0.08	0.35
746	0.04	0.46	0.04	0.40	0.09	0.43	0.13	0.40	0.15	0.40	0.07	0.40
820	0.02	0.63	0.07	0.54	0.11	0.56	0.14	0.51	0.15	0.51	0.05	0.56
854	-0.10	0.73	0.05	0.64	0.10	0.66	0.16	0.62	0.16	0.63	0.05	0.60
1140	-0.12	0.96	-0.04	0.92					0.16	0.82		
1214	-0.13	1.01	-0.06	0.95					0.19	0.81		
1248	-0.13	0.99	-0.08	0.93					0.18	0.83		
1322	-0.10	0.99	-0.08	0.96					0.18	0.82		
1356	-0.11	0.96	-0.07	0.96					0.17	0.90		
1430	-0.06	1.09	-0.08	1.06					0.19	0.99		
1504	0.08	1.14	-0.04	1.09					0.17	1.14		
1750	0.12	1.34	0.09	1.19			0.41	1.25	0.30	1.48	0.09	1.07
1824	0.13	1.27	0.12	1.17			0.37	1.22	0.30	1.47	0.12	1.05
1858	0.12	1.33	0.13	1.20			0.36	1.23	0.31	1.45	0.14	1.09
1932	0.13	1.35	0.13	1.18			0.33	1.21	0.26	1.34	0.13	1.07
2006	0.13	1.35	0.11	1.18			0.33	1.21	0.24	1.30	0.12	1.08
2040	0.09	1.32	0.09	1.19			0.29	1.21	0.22	1.32	0.12	1.07
2114	0.16	1.21	0.08	1.15			0.26	1.17	0.24	1.37	0.10	1.01
					19 October 1986							
0	0.00	0.84	-0.02	0.81			0.11	1.01	0.21	1.15	0.04	0.58
34	-0.01	0.75	-0.01	0.71			0.08	0.97	0.18	1.13	0.03	0.57
108	-0.02	0.69	-0.02	0.66			0.05	0.92	0.17	1.07	0.04	0.54
142	0.00	0.69	-0.02	0.66			0.06	0.96	0.19	1.11	0.03	0.56
216	0.00	0.72	0.00	0.67			0.06	0.92	0.16	1.06	0.04	0.57
250	0.00	0.78	0.00	0.72			0.08	0.93	0.17	1.08	0.04	0.64
324	0.12	0.81	0.01	0.76			0.08	1.02	0.19	1.17	0.06	0.66
610	0.12	0.96	0.11	0.86	0.13	0.95	0.20	1.05	0.28	1.18	0.18	0.82
644	0.13	0.95	0.13	0.88	0.15	0.97	0.20	1.04	0.29	1.17	0.20	0.84
718	0.14	0.99	0.14	0.90	0.16	0.99	0.22	1.05	0.30	1.15	0.19	0.90
752	0.14	0.96	0.14	0.89	0.17	1.00	0.21	1.05	0.29	1.16	0.19	0.90
826	0.14	1.02	0.13	0.92	0.16	1.05	0.23	1.07	0.31	1.20	0.19	0.91
900	0.12	0.98	0.11	0.89	0.15	1.03	0.20	1.04	0.30	1.17	0.20	0.88
934	-0.01	0.95	0.10	0.87	0.15	1.01	0.20	1.02	0.29	1.13	0.18	0.82
1220	-0.02	0.34	-0.03	0.35	-0.03	0.49			0.12	0.81	0.06	0.34
1254	0.00	0.25	-0.04	0.28	-0.05	0.43			0.09	0.74	0.06	0.18
1328	-0.01	0.31	-0.01	0.30	-0.02	0.43			0.09	0.74	0.04	0.25
1402	0.01	0.17	-0.03	0.19	-0.07	0.34			0.09	0.67	0.05	0.18
1436	0.01	0.14	-0.03	0.17	-0.06	0.33			0.08	0.64	0.06	0.21
1510	0.03	0.15	-0.02	0.15	-0.03	0.30			0.08	0.65	0.05	0.19
1544	0.07	0.08	0.02	0.11	-0.04	0.32			0.11	0.60	0.04	0.13
1830	0.10	0.20	0.03	0.21	0.01	0.40			0.22	0.48	0.12	0.19
1904	0.09	0.24	0.06	0.25	0.01	0.43			0.21	0.52	0.14	0.32
1938	0.09	0.31	0.06	0.31	0.05	0.49			0.23	0.57	0.13	0.38
2012	0.09	0.25	0.05	0.26	0.02	0.44			0.23	0.55	0.14	0.31
2046	0.07	0.32	0.06	0.30	0.06	0.46			0.20	0.58	0.11	0.37
2120	0.06	0.34	0.04	0.32	0.03	0.50			0.22	0.68	0.12	0.35
2154	0.17	0.62	0.04	0.26	0.03	0.39			0.14	0.61	0.11	0.31
					20 October 1986							
40	0.07	0.04	0.00	0.03	0.05	0.18			0.10	0.57	0.06	0.20
114	0.11	-0.01	0.03	-0.01	-0.04	0.12			0.07	0.51	0.04	0.19
148	0.08	-0.10	0.08	-0.05	-0.19	0.23			0.16	0.51	0.07	0.20
222	-0.06	-0.15	-0.10	-0.03	-0.37	0.16			0.17	0.49	0.01	0.06
256	-0.09	-0.18	-0.23	-0.07	-0.29	0.05			0.09	0.41	0.07	0.08
330	0.07	-0.09	-0.16	0.01	-0.24	0.15			0.14	0.44	0.10	0.01
404	0.07	-0.02	0.00	0.06	-0.23	0.33			0.19	0.52	0.06	0.19
650	0.05	0.02	0.01	0.08	-0.07	0.22			0.17	0.31	0.11	0.01
724	0.06	0.04	0.02	0.09	0.00	0.25			0.24	0.22	0.10	0.12

(Continued)

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Table C1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	LS02 U (229) m/sec	LS02 V (329) m/sec	LS04 U (249) m/sec	LS04 V (349) m/sec	LS05 U (259) m/sec	LS05 V (359) m/sec	LS06 U (269) m/sec	LS06 V (369) m/sec	LS07 U (279) m/sec	LS07 V (379) m/sec
758	0.11	0.03	0.04	0.08	-0.04	0.23			0.25	0.31	0.14	0.11
832	0.10	0.04	0.07	0.10	-0.02	0.23			0.23	0.30	0.11	0.16
906	0.10	0.08	0.10	0.10	0.03	0.26			0.24	0.31	0.13	0.21
940	0.13	0.01	0.08	0.11	-0.02	0.31			0.20	0.37	0.13	0.13
1014	0.13	0.05	0.08	0.10	-0.06	0.31			0.19	0.36	0.10	0.22
1300	0.07	0.04	0.03	0.08	-0.26	0.36			0.18	0.53	0.06	0.23
1334	0.07	0.00	0.08	-0.02	-0.23	0.33			0.20	0.52	0.02	0.28
1408	-0.03	-0.10	-0.09	0.03	-0.40	0.24			0.20	0.54	0.06	0.11
1442	0.14	-0.10	-0.15	0.03	-0.30	0.18			0.25	0.50	0.05	0.03
1516	0.15	-0.13	0.01	-0.03	-0.31	0.24			0.21	0.52	0.03	0.18
1550	0.09	-0.09	-0.09	0.06	-0.35	0.21			0.37	0.56	0.08	0.21
1624	0.01	-0.16	-0.07	-0.08	-0.26	0.12			0.17	0.27	0.05	0.16
1900	0.01	-0.11	-0.07	0.00	-0.05	0.09			0.15	0.04	0.09	0.15
1934	-0.06	-0.04	-0.13	0.03	-0.07	0.14			0.16	0.01	0.13	0.10
2008	0.01	-0.15	-0.11	-0.04	-0.11	0.07			0.21	0.08	0.14	0.00
2042	0.03	-0.06	-0.05	0.01	0.01	0.12			0.17	0.07	0.09	-0.01
2116	0.00	-0.12	-0.05	-0.07	-0.13	0.01			0.21	0.11	0.10	0.00
2150	0.00	-0.05	-0.11	-0.01	-0.02	0.09			0.26	0.23	0.11	0.03
2224	0.13	0.25	-0.08	-0.05	-0.09	0.02			0.23	0.23	0.09	0.04
					21 October 1986							
100	-0.12	-0.24	-0.22	-0.12	-0.23	-0.04			0.18	0.24	0.29	-0.24
134	-0.17	-0.16	-0.26	-0.10	-0.17	-0.08			0.15	0.18	0.28	-0.10
208	-0.16	-0.17	-0.20	-0.06	-0.22	0.00			0.22	0.13	0.28	-0.13
242	-0.20	-0.20	-0.25	-0.11	-0.20	-0.04			0.15	0.03	0.27	-0.25
316	-0.13	-0.17	-0.24	-0.07	-0.15	-0.03			0.16	0.03	0.29	-0.24
350	-0.16	-0.15	-0.20	-0.05	-0.22	-0.06			0.25	0.34	0.30	-0.25
424	0.00	-0.17	-0.18	-0.08	-0.24	0.00			0.30	0.35	0.27	-0.41
730	-0.02	-0.05	-0.11	-0.02	-0.02	0.10			0.10	-0.07	0.16	-0.23
804	0.05	-0.06	-0.02	-0.03	-0.02	0.06			0.10	-0.07	0.16	-0.29
838	0.01	-0.04	0.03	-0.03	0.04	0.06			0.11	-0.07	0.14	-0.24
912	-0.05	-0.09	0.00	-0.05	-0.02	0.04			0.11	-0.08	0.13	-0.28
946	-0.04	-0.05	0.02	0.01	0.03	0.06			0.11	-0.08	0.15	-0.28
1020	-0.05	-0.06	-0.08	-0.02	0.01	0.08			0.11	-0.40	0.18	-0.28
1054	-0.15	-0.06	-0.06	0.00	0.04	0.10			0.11	-0.66	0.18	-0.25
1340	-0.19	-0.12	-0.25	-0.07	-0.14	0.03					0.27	-0.28
1414	-0.15	-0.12	-0.22	-0.03	-0.15	0.05					0.27	-0.22
1448	-0.19	-0.16	-0.17	-0.07	-0.16	-0.02					0.24	-0.34
1522	-0.20	-0.11	-0.18	-0.02	-0.12	0.01					0.25	-0.34
1556	-0.16	-0.21	-0.20	-0.13	-0.15	-0.03					0.27	-0.40
1630	-0.11	-0.16	-0.13	-0.07	-0.10	0.03					0.23	-0.34
1704	-0.05	-0.19	-0.14	-0.12	-0.11	-0.09					0.23	-0.37
1950	-0.03	-0.14	-0.05	-0.09	0.00	0.00					0.21	-0.33
2024	0.00	-0.06	0.00	-0.04	0.10	0.00					0.17	-0.26
2058	-0.04	-0.06	0.00	-0.03	0.01	0.03					0.13	-0.28
2132	0.01	-0.10	-0.02	0.00	0.04	0.06					0.19	-0.27
2206	-0.10	-0.09	0.03	-0.07	0.06	-0.03					0.21	-0.25
2240	-0.10	-0.11	-0.01	-0.03	0.06	0.02					0.18	-0.29
2314	0.13	0.02	-0.05	-0.05	-0.02	0.03					0.17	-0.34
					22 October 1986							
200	-0.18	-0.16	-0.17	-0.04	-0.15	0.04					0.19	-0.50
234	-0.16	-0.11	-0.16	-0.02	-0.15	0.01					0.17	-0.48
308	-0.20	-0.14	-0.12	-0.05	-0.13	0.01					0.17	-0.50
342	-0.15	-0.16	-0.19	-0.07	-0.11	0.00					0.19	-0.57
416	-0.16	-0.13	-0.13	-0.05	-0.12	-0.01					0.17	-0.52
450	-0.14	-0.15	-0.16	-0.08	-0.09	-0.01					0.17	-0.49
524	-0.01	-0.14	-0.09	-0.06	-0.04	0.02					0.16	-0.47
810	0.05	-0.07	0.03	-0.03	0.03	0.01					0.14	-0.23
844	0.06	-0.08	0.01	-0.06	0.01	0.00					0.11	-0.24
918	0.02	-0.07	0.01	-0.05	0.05	0.03					0.12	-0.23
952	0.05	-0.08	-0.02	-0.05	0.02	0.02					0.11	-0.24
1026	0.02	-0.05	0.03	-0.04	0.04	0.04					0.10	-0.22
1100	0.03	-0.07	0.01	-0.04	0.08	0.04					0.12	-0.26
1134	-0.13	-0.08	0.07	-0.07	0.04	0.02					0.11	-0.30
1430	-0.15	-0.15	-0.13	-0.09							0.16	-0.47
1504	-0.12	-0.14	-0.11	-0.10							0.18	-0.45
1538	-0.15	-0.15	-0.09	-0.10							0.18	-0.51
1612	-0.15	-0.24	-0.13	-0.19							0.17	-0.56
1646	-0.14	-0.22	-0.11	-0.14							0.17	-0.54
1720	-0.14	-0.16	-0.12	-0.11							0.17	-0.53
1754	-0.03	-0.19	-0.11	-0.13							0.15	-0.52
2030	0.00	-0.16	-0.02	-0.11							0.16	-0.41

(Continued)

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Table C1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	LS02 U (229) m/sec	LS02 V (329) m/sec	LS04 U (249) m/sec	LS04 V (349) m/sec	LS05 U (259) m/sec	LS05 V (359) m/sec	LS06 U (269) m/sec	LS06 V (369) m/sec	LS07 U (279) m/sec	LS07 V (379) m/sec
2104	-0.02	-0.11	0.03	-0.06							0.14	-0.30
2138	0.04	-0.20	0.02	-0.15							0.15	-0.39
2212	0.03	-0.09	0.05	-0.03							0.14	-0.36
2246	-0.02	-0.16	0.01	-0.10							0.17	-0.31
2320	-0.05	-0.12	0.00	-0.08							0.16	-0.34
2354	0.06	-0.23	-0.06	-0.12							0.17	-0.44
					23 October 1986							
230	-0.15	-0.20	-0.12	-0.13							0.20	-0.54
304	-0.14	-0.25	-0.12	-0.10							0.21	-0.59
338	-0.13	-0.23	-0.11	-0.11							0.22	-0.59
412	-0.14	-0.21	-0.10	-0.10							0.24	-0.61
446	-0.08	-0.20	-0.10	-0.05							0.23	-0.56
520	-0.06	-0.14	-0.06	-0.05							0.22	-0.51
554												
900												
934												
1008												
1042												
1116												
1150												
1224												

(Continued)

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Table C1 (Continued)

Time EST	LS09 U (299) m/sec	LS09 V (399) m/sec	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
				3 October 1986					
955									
955			0.29	9.14		1018.5	27.2	2.44	101
1029			0.30	8.83		1018.4	27.2	2.78	117
1103			0.31	8.53		1018.2	27.7	2.74	119
1137			0.32	9.14		1018.3	28.3	3.10	124
1211			0.33	9.48		1018.0	28.1	3.93	122
1245			0.33	8.83		1017.6	27.9	4.93	121
1319			0.32	8.83		1017.4	28.0	5.08	126
1700			0.31	11.64		1015.7	25.4	5.08	148
1734			0.28	9.48		1015.7	25.2	3.83	150
1808			0.31	12.80		1015.7	25.5	3.58	67
1842			0.31	12.19		1015.7	26.1	3.91	179
1916			0.27	12.19		1015.7	26.3	4.31	187
1950			0.28	9.14		1015.6	26.2	4.44	189
2024			0.26	9.14		1015.6	25.8	4.55	197
				4 October 1986					
100			0.31	9.14		1012.9	26.0	6.94	236
134			0.31	11.64		1012.6	25.9	6.75	240
208			0.32	9.14		1012.4	25.8	6.63	242
242			0.32	12.19		1012.4	25.7	6.88	243
316			0.32	12.19		1012.3	25.5	6.45	239
350			0.34	8.83		1012.2	25.4	6.72	240
424			0.31	9.14		1012.2	25.2	6.49	239
				5 October 1986					
1821			0.47	3.94		1009.3	22.6	5.82	79
1855			0.43	4.13		1009.4	22.6	5.69	87
1929			0.45	4.06		1009.6	22.7	5.68	97
2003			0.42	3.82		1009.9	22.8	5.76	108
2037			0.44	4.20		1010.2	22.9	5.34	112
2111			0.39	4.27		1010.2	22.7	4.81	114
2145			0.38	4.13		1010.0	22.7	5.08	122
				6 October 1986					
31			0.44	4.20		1009.4	22.4	3.06	266
105			0.42	5.82		1009.3	22.0	5.65	288
139			0.46	5.57		1009.3	21.5	8.56	291
213			0.44	5.33		1009.2	20.7	8.58	297
247			0.44	5.33		1009.2	20.1	8.49	301
321			0.42	5.33		1009.3	19.7	8.85	300
355			0.44	5.57		1009.6	19.5	8.64	300
1400	-0.26	0.83	1.42	6.56					
1434	-0.28	0.86	1.67	6.56					
1508	-0.32	1.02	1.60	6.74					
1542	-0.27	1.08	1.42	5.95					
1616	-0.18	1.02	1.27	6.56					
1650	-0.11	1.00	1.16	6.24					
1724	-0.09	0.99	1.11	6.09					
1907	0.04	0.50	0.85	5.57					
1941	0.08	0.38	0.81	5.33					
2015	0.08	0.30	0.79	5.57					
2049	0.07	0.31	0.81	5.57					
2123	0.09	0.33	0.79	4.66					
2157	0.09	0.27	0.73	5.33					
2231	0.09	0.32	0.81	5.57					
				7 October 1986					
117	-0.12	0.84	1.01	5.82					
151	-0.11	0.79	0.94	5.82					
225	-0.04	0.76	0.96	5.45					
259	-0.07	0.73	1.00	5.57					
333	-0.10	0.76	0.94	5.82					
407	-0.09	0.71	0.99	5.02					
441	-0.09	0.67	0.93	5.12					
735	0.08	0.26	0.80	5.45					
809	0.11	0.17	0.85	6.74					
843	0.10	0.15	0.81	7.31					
917	0.10	0.14	0.79	7.11					
951	0.11	0.14	0.81	5.45					
1025	0.10	0.15	0.80	7.11					
1059	0.09	0.17	0.77	5.57					
1400	-0.02	0.35	0.68	7.11					
1434	-0.02	0.30							
1508	-0.03	0.28	0.68	6.56					
1542	-0.04	0.31	0.73	6.24					
1616	-0.04	0.34	0.75	6.74					

(Continued)

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Table C1 (Continued)

Time EST	LS09 U (299) m/sec	LS09 V (399) m/sec	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
1650	-0.01	0.28	0.74	6.09					
1724	-0.04	0.36	0.78	7.11					
2000	0.05	0.22	0.74	6.92					
2034	0.07	0.19	0.76	6.92					
2108	0.09	0.12	0.73	6.40					
2142	0.09	0.11	0.70	6.92					
2216	0.10	0.08	0.67	6.74					
2250	0.11	0.06	0.64	6.24					
2324	0.10	0.05	0.64	6.40					
			8 October 1986						
200			0.59	6.09					
234			0.63	7.53					
308			0.68	5.95	50				
342			0.65	7.31					
416			0.73	3.41					
450			0.77	3.61	93				
524			0.78	3.56					
830			0.76	3.94					
904			0.72	4.13					
938			0.78	4.34	93				
1012			0.74	4.66					
1046			0.72	4.49					
1120			0.68	4.66	50				
1154			0.64	4.41					
2100	0.08	-0.19	0.72	5.69					
2134	0.08	-0.15	0.69	5.95					
2208	0.06	-0.15	0.70	5.69	82				
2242	0.06	-0.15	0.67	6.09					
2316	0.08	-0.16	0.72	5.82					
2350	0.09	-0.20	0.68	5.69	122				
			9 October 1986						
24	0.09	-0.23	0.70	5.69					
300	0.22	-0.37	0.78	6.24					
334	0.23	-0.36	0.81	6.09					
408	0.25	-0.37	0.91	6.56	115				
442	0.23	-0.34	0.94	6.74					
516	0.23	-0.37	1.04	6.74					
550	0.27	-0.44	0.96	6.40	112				
624	0.27	-0.42	1.03	6.24					
930	0.09	-0.28	0.89	6.40					
1004	0.07	-0.21	0.81	6.56					
1038	0.06	-0.17	0.81	6.24	116				
1112	0.05	-0.14	0.80	6.40					
1146	0.06	-0.15	0.80	6.24					
1220	0.06	-0.12	0.77	6.40	115				
1254	0.06	-0.13	0.73	6.40					
1600			0.68	6.92					
1634			0.64	6.24					
1708			0.61	6.09	115				
1742			0.60	6.40					
1816			0.64	6.09					
1850			0.64	6.09	113				
1924			0.61	6.24					
2200	0.04	-0.04	0.60	5.95					
2234	0.03	-0.03	0.58	5.45					
2308	0.04	-0.02	0.57	5.69	115				
2342	0.03	-0.01	0.52	5.95					
			10 October 1986						
16	0.03	-0.01							
50	0.03	-0.01	0.48	5.82					
124	0.04	-0.02	0.46	5.33					
400	0.04	0.03	0.40	5.69					
434	0.04	0.06	0.39	6.09					
508	0.05	0.24	0.49	3.28	18				
542	0.03	0.17	1.00	3.61					
616			1.37	4.57					
650			1.58	5.02	25				
724			1.94	5.45					
1030	0.21	1.82	2.38	6.74					
1104	0.25	1.71	2.32	7.31					
1138	0.25	1.64	2.30	7.11	30				
1212	0.28	1.31	2.31	7.53					

(Continued)

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Table C1 (Continued)

Time EST	LS09 U (299) m/sec	LS09 V (399) m/sec	LA09 Pressure Sensor (191) Wave Height m	LA09 Pressure Sensor (191) Wave Period sec	LA09 Pressure Sensor (191) Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Meteorological Conditions Air Temp. (624) deg C	Meteorological Conditions Wind Speed (632) m/sec	Meteorological Conditions Wind Direct. (633) deg
1246	0.31	1.60	2.43	7.76					
1320	0.30	1.53	2.51	7.53	50				
1354	0.31	1.50	2.35	7.11					
1700	0.16	1.19	2.58	7.11					
1734	0.18	1.17	2.95	6.92					
1808	0.18	1.05	2.72	7.76	52				
1842	0.18	0.96	2.73	7.76					
1916	0.17	0.92	2.63	7.53					
1950	0.19	0.91	2.75	8.00	58				
2024	0.20	0.92	2.81	7.76					
2320	0.27	0.90	2.93	7.76					
2354	0.25	0.84	2.95	9.48					
				11 October 1986					
28	0.26	0.87	3.03	9.48	62				
102	0.25	0.78	3.04	8.00					
136	0.23	0.79	2.98	8.83					
210	0.20	0.73	2.95	9.14	60				
244	0.21	0.67	2.94	8.26					
540	0.12	0.49	2.96	9.48					
614	0.10	0.49	3.00	9.48					
648	0.12	0.47	2.96	9.14	67				
722	0.11	0.50	2.81	10.24					
756	0.08	0.47							
830	0.12	0.41	2.91	8.83					
904	0.12	0.44	3.02	9.85					
1200	0.22	0.34	2.90	7.76					
1234	0.23	0.32	3.10	8.83					
1308	0.23	0.37	2.79	9.48	61				
1342	0.23	0.40	3.03	10.24					
1416	0.25	0.37	2.85	8.53					
1450	0.23	0.33							
1524	0.23	0.11	2.89	11.64					
1820	0.06	-0.20							
1854	0.07	-0.21	2.69	11.13					
1928	0.06	-0.16	2.69	9.85					
2002	0.04	-0.16	2.63	9.85					
2036	0.04	-0.32	2.71	10.67					
2110	0.02	-0.16	2.55	11.13					
2144	0.05	-0.32	2.63	9.85					
				12 October 1986					
40	0.08	-0.34	2.38	12.19					
114	0.13	-0.28	2.37	11.13					
148	0.12	-0.24	2.44	11.64	75				
222	0.09	-0.50	2.36	11.64					
256	0.13	-0.64	2.46	12.19					
330	0.12	-0.61	2.39	11.13	77				
404	0.09	-0.45	2.27	9.85					
645	0.02	-0.43	2.19	10.67					
719	0.02	-0.34	2.05	10.24					
753	0.04	-0.31	2.17	10.67	82				
827	0.03	-0.29	2.24	10.24					
901	0.04	-0.42	2.11	11.13					
935	0.05	-0.26	2.21	11.13	84				
1009	0.05	-0.29	2.05	11.13					
1300	0.11	-0.34	2.31	11.64					
1334	0.13	-0.40	2.21	11.64					
1408	0.12	-0.35	2.38	12.19	86				
1442	0.17	-0.35	2.20	12.80					
1516	0.20	-0.32	2.15	12.19					
1550	0.17	-0.23	2.11	11.64	70				
1624	0.14	-0.42	2.09	12.19					
1915	-0.01	-0.42	2.10	11.64					
1949	-0.01	-0.43	2.06	11.64					
2023	-0.01	-0.38	1.84	12.19	80				
2057	0.04	-0.27	1.99	11.64					
2131	-0.01	-0.33	1.83	12.19					
2205	-0.03	-0.45	1.79	11.13					
2239	-0.04	-0.41	1.73	11.13					
				13 October 1986					
130	0.00	-0.57	1.83	11.64					
204	0.04	-0.53	1.87	11.64					
238	0.06	-0.41	1.80	11.13	80				

(Continued)

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Table C1 (Continued)

Time EST	LS09 U (299) m/sec	LS09 V (399) m/sec	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
312	0.01	-0.53	1.67	11.64					
346	0.02	-0.58	1.74	11.64					
420	0.03	-0.44	1.64	11.64	85				
454	0.00	-0.51	1.68	11.13					
745	-0.13	-0.45	1.52	10.67					
819	-0.17	-0.53	1.54	11.64					
853	-0.13	-0.44	1.51	11.13	100				
927	-0.19	-0.56	1.55	11.64					
1001	-0.22	-0.42	1.45	11.13					
1035	-0.14	-0.40	1.51	11.64	95				
1109	-0.18	-0.51	1.51	10.67					
				14 October 1986					
910	-0.14	-0.14	1.00	11.13					
944	-0.09	-0.16	1.00	10.24					
1018	-0.10	-0.24	1.04	10.24	106				
1052	-0.11	-0.08	0.98	10.67					
1126	-0.14	-0.15	0.99	10.67					
1200	-0.19	-0.19	0.93	10.67	108				
1234	-0.10	-0.20	0.95	10.24					
1500			0.86	9.85					
1534			0.89	10.67					
1608			0.82	9.48	113				
1642			0.76	11.13					
1716			0.83	9.85					
1750			0.77	10.24	112				
1824			0.76	10.24					
2115	-0.18	-0.14	0.73	11.13					
2149	-0.18	-0.12	0.75	10.67					
2223	-0.14	-0.12	0.76	10.24	108				
2257	-0.23	-0.20	0.75	9.85					
2331	-0.18	-0.11	0.65	9.85					
				15 October 1986					
5	-0.19	-0.05	0.71	9.85	106				
39	-0.15	-0.02	0.74	10.67					
330	0.18	0.69	1.29	4.83					
404	0.23	0.80	1.37	5.12					
438	0.24	0.91	1.47	5.12	12				
512	0.24	1.02	1.52	5.33					
546	0.25	1.10	1.51	5.57					
620	0.22	1.05	1.54	5.69	35				
654	0.20	1.08	1.49	5.57					
945	0.05	0.63	1.42	5.45		1018.7	13.8	9.07	11
1019	0.04	0.45	1.38	6.24		1018.7	13.8	8.42	13
1053	0.02	0.50	1.31	6.24	42	1018.6	13.9	8.01	18
1127	0.03	0.43	1.29	6.40		1018.2	13.8	7.70	16
1201	0.03	0.35	1.28	6.56		1018.0	13.8	6.82	22
1235	0.04	0.40	1.23	6.24	43	1017.7	13.8	6.49	23
1309	0.05	0.45	1.19	6.40		1017.4	13.5	6.55	15
1600	0.13	0.37	1.05	6.40		1017.1	13.3	5.88	16
1634	0.12	0.34	1.08	6.56		1017.3	13.3	5.63	16
1708	0.12	0.26	1.00	6.40	36	1017.6	13.3	4.96	6
1742	0.12	0.28	0.96	5.82		1017.8	13.4	4.81	7
1816	0.10	0.23	0.94	5.82		1018.1	13.6	5.87	7
1850	0.09	0.22	0.88	4.57	34	1018.2	13.5	5.73	359
1924	0.09	0.23	0.90	5.57		1018.2	13.7	5.86	0
2200	0.00	0.11	0.95	4.06		1018.4	14.2	8.28	23
2234	0.00	0.08	0.99	4.41		1018.2	14.3	7.75	28
2308	0.01	0.06	1.00	4.49	30	1017.9	14.3	7.66	29
2342	0.01	-0.02	0.95	4.20		1017.8	14.4	7.50	30
				16 October 1986					
16	0.01	0.11	0.97	4.74		1017.6	14.3	7.68	27
50	0.01	0.10	0.96	4.66	33	1017.4	14.4	8.13	31
124	0.03	0.14	1.00	4.66		1017.2	14.5	7.90	33
400	0.11	0.33	1.00	4.74		1016.3	14.5	8.79	29
434	0.12	0.35	1.05	4.57		1016.5	14.7	9.28	30
508	0.11	0.34	1.05	4.49	17	1016.8	14.8	9.13	29
542	0.11	0.33	1.03	4.74		1016.7	14.8	8.81	31
616	0.11	0.30	1.05	4.92		1016.4	14.9	9.02	30
650	0.12	0.34	1.01	5.02	14	1016.9	15.0	8.65	30
724	0.11	0.34	1.04	4.66		1017.0	15.2	9.43	30
1020	0.07	0.47	1.27	5.02		1016.7	15.9	10.67	13
1054	0.05	0.50	1.39	5.33		1016.5	15.9	11.02	9

(Continued)

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Table C1 (Continued)

Time EST	LS09 U (299) m/sec	LS09 V (399) m/sec	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
1128	0.04	0.45	1.36	5.22	21	1016.4	15.2	10.99	9
1202	0.04	0.52	1.53	5.33		1016.2	15.1	10.83	6
1236	0.03	0.56	1.39	5.22		1016.0	15.0	11.11	3
1310	0.05	0.54	1.49	5.45	16	1015.7	14.7	10.05	1
1344	0.07	0.54	1.36	5.33		1015.6	14.9	9.65	3
1630	0.11	0.44	1.11	5.22		1015.7	14.9	8.00	3
1704	0.11	0.35	1.09	5.12		1015.8	14.5	7.93	358
1738	0.11	0.32	0.97	5.12	42	1016.1	14.4	7.68	357
1812	0.10	0.31	1.02	5.12		1016.4	13.6	5.64	341
1846	0.10	0.22	0.96	5.22		1016.8	12.8	4.87	329
1920	0.11	0.16	0.93	5.12	50	1016.8	12.7	4.92	327
1954	0.12	0.18	0.93	5.02		1017.0	12.9	5.24	336
2240	0.06	-0.11	0.89	5.02		1017.0	14.1	7.82	11
2314	-0.01	-0.10	0.92	5.33	53	1017.0	14.1	8.16	14
2348	0.02	0.03	0.95	5.69		1016.7	14.2	8.16	20
				17 October 1986					
22	0.00	-0.07	0.96	5.22		1016.6	14.2	8.52	13
56	0.01	-0.03	0.95	4.92		1016.7	14.1	8.45	13
130	0.03	0.08	1.02	5.33	52	1016.7	14.1	8.29	9
204	0.04	0.07	0.96	4.66		1016.5	14.3	8.45	18
450	0.12	0.26	0.99	5.12		1017.1	14.4	8.18	16
524	0.10	0.27	0.99	5.33		1017.2	14.4	8.56	14
558	0.10	0.24	1.08	5.22	20	1017.4	14.4	8.11	5
632	0.10	0.25	0.98	5.12		1017.5	13.8	5.81	353
706	0.10	0.23	1.00	5.02		1017.7	14.7	7.23	7
740	0.11	0.22	1.00	4.83	55	1018.4	14.1	5.31	331
814	0.12	0.20	0.97	5.22		1018.6	13.5	5.27	316
1100	0.05	-0.16	1.07	5.69		1018.8	16.9	5.66	8
1134	0.11	-0.25	0.98	5.57		1018.9	17.2	5.05	9
1208	0.08	-0.28	1.05	5.82	50	1018.7	17.4	4.98	5
1242	0.03	-0.25	0.96	8.26		1018.6	17.3	4.26	5
1316	0.01	-0.27	0.96	8.26		1018.5	17.1	3.90	5
1350	0.00	-0.28	0.98	8.00	51	1018.4	17.0	4.08	14
1424	0.05	-0.22	1.03	8.26		1018.5	16.8	4.33	21
1710	0.11	-0.11	0.99	8.53		1020.0	15.2	5.05	14
1744	0.13	-0.11	1.01	8.26		1020.4	15.2	4.86	5
1818	0.10	-0.10	0.96	8.83	52	1020.7	15.1	4.99	358
1852	0.04	-0.12	0.94	8.53		1020.9	14.1	3.71	330
1926	0.09	-0.13	0.90	8.26		1021.0	13.4	3.18	327
2000	0.14	-0.21	0.89	8.26	50	1021.3	13.3	3.19	326
2034	0.07	-0.23	0.88	8.00		1021.9	13.5	3.21	320
2320	0.00	-0.39	0.90	8.83		1022.5	12.7	4.39	320
2354	0.02	-0.37	0.93	9.85		1022.5	12.4	4.30	317
				18 October 1986					
28	-0.02	-0.35	0.94	9.85	89	1022.6	11.6	4.11	322
102	0.01	-0.44	1.05	10.24		1022.7	11.7	4.50	322
136	-0.03	-0.43	0.98	9.48		1022.7	11.5	4.11	324
210	0.08	-0.32	0.91	9.85	52	1022.7	11.3	4.25	324
244	0.09	-0.24	0.91	8.83		1022.7	11.5	4.97	326
530	0.16	0.26	1.10	8.83		1023.8	13.0	9.05	355
604	0.15	0.34	1.07	4.66		1024.1	12.3	6.14	341
638	0.15	0.31	1.11	9.85	24	1024.5	11.7	5.62	328
712	0.16	0.31	1.17	9.48		1025.1	11.8	5.82	328
746	0.15	0.32	1.19	5.02		1025.5	12.4	6.56	340
820	0.15	0.49	1.27	5.57	24	1025.9	13.4	9.84	6
854	0.15	0.49	1.27	5.12		1026.1	14.0	9.85	4
1140	0.10	0.43	1.31	5.33		1026.5	14.5	9.43	353
1214	0.10	0.41	1.28	5.45		1026.4	14.3	9.96	356
1248	0.08	0.35	1.34	5.12	25	1026.3	14.6	10.45	359
1322	0.08	0.42	1.28	5.12		1026.1	14.8	10.89	359
1356	0.08	0.54	1.35	4.74		1026.1	14.4	12.74	13
1430	0.07	0.56	1.49	6.24	30	1026.3	14.2	13.07	18
1504	0.09	0.67	1.74	5.69		1026.5	14.1	13.15	14
1750	0.15	1.18	1.91	6.74		1027.0	13.9	11.99	12
1824	0.17	1.15	1.99	6.40		1027.1	14.0	12.01	20
1858	0.16	1.12	1.97	7.11	46	1027.1	14.1	12.30	24
1932	0.17	1.20	2.01	6.56		1027.1	14.1	12.20	20
2006	0.18	1.18	1.97	6.56		1027.1	14.0	12.77	20
2040	0.16	1.21	1.98	8.00	47	1027.1	13.9	12.53	22
2114	0.13	1.21	2.06	6.56		1027.3	13.8	12.68	24
				19 October 1986					
0	0.06	0.71	1.93	6.56		1026.9	13.3	11.65	9

(Continued)

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Table C1 (Continued)

Time EST	LS09 U (299) m/sec	LS09 V (399) m/sec	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
34	0.05	0.69	2.01	8.26		1026.9	13.4	12.32	11
108	0.06	0.69	1.92	8.26	50	1026.8	13.6	12.22	19
142	0.05	0.71	2.15	8.53		1026.6	13.5	12.60	20
216	0.07	0.72	2.10	9.48		1026.4	13.3	12.91	16
250	0.06	0.74	2.12	8.00	44	1026.2	13.2	12.30	16
324	0.08	0.82	2.14	9.85		1026.2	13.2	12.60	19
610	0.18	0.99	2.11	9.14		1026.7	13.3	11.42	12
644	0.19	1.03	2.00	9.85		1026.9	13.0	11.38	4
718	0.20	1.08	1.90	10.24	43	1027.2	13.1	11.23	6
752	0.20	1.10	1.96	10.24		1027.4	13.2	11.72	5
826	0.22	1.09	1.95	9.85		1027.7	13.1	12.05	5
900	0.20	1.05	2.00	10.24	35	1027.8	13.3	11.02	6
934	0.19	0.97	2.03	11.64		1027.8	13.3	10.91	4
1220	0.14	0.65	2.17	11.13		1027.0	14.2	11.18	357
1254	0.16	0.64	2.21	10.67		1026.5	14.2	11.10	1
1328	0.14	0.61	2.14	11.13	52	1026.1	14.2	11.19	2
1402	0.14	0.50	2.19	11.64		1026.0	14.2	11.20	6
1436	0.14	0.58	2.15	11.13		1025.9	13.9	10.72	9
1510	0.12	0.49	2.08	11.13	50	1025.9	14.0	9.93	10
1544	0.15	0.47	2.28	11.13		1025.9	13.7	9.09	11
1830	0.16	0.55	1.80	11.13		1025.6	11.4	4.68	329
1904	0.17	0.61	1.65	10.67		1025.6	11.2	4.23	325
1938	0.17	0.57	1.68	10.67	55	1025.7	11.0	3.71	330
2012	0.15	0.55	1.59	11.13		1025.7	11.7	4.92	350
2046	0.16	0.61	1.60	10.24		1025.7	13.0	6.49	8
2120	0.17	0.62	1.53	10.67	55	1025.7	12.6	5.55	352
2154	0.16	0.65	1.47	11.13		1025.6	10.9	3.36	324
				20 October 1986					
40	0.13	0.61	1.31	11.13		1024.7	9.5	4.30	308
114	0.14	0.69	1.23	9.48		1024.5	9.5	4.20	308
148	0.14	0.70	1.30	10.24	62	1024.2	9.5	4.87	310
222	0.15	0.67	1.37	10.67		1024.1	9.6	4.88	313
256	0.14	0.62	1.33	10.24		1024.0	9.6	4.62	312
330	0.16	0.61	1.40	10.24	53	1024.0	9.4	4.90	308
404	0.11	0.64	1.38	9.85		1024.0	8.8	4.91	303
650	0.14	0.42	1.35	9.85		1024.4	8.7	5.03	316
724	0.14	0.38	1.36	9.85		1024.7	10.3	4.97	318
758	0.14	0.37	1.32	9.85	53	1025.1	11.6	4.79	315
832	0.13	0.30	1.38	9.85		1025.1	12.4	4.84	320
906	0.12	0.42	1.32	10.67		1025.2	14.1	4.06	327
940	0.14	0.36	1.33	10.24	50	1025.1	14.9	4.64	337
1014	0.15	0.36	1.37	10.24		1025.0	15.5	6.91	354
1300	0.10	0.56	1.28	10.67		1023.6	16.0	7.14	15
1334	0.12	0.54	1.33	9.85		1023.2	16.0	6.91	25
1408	0.10	0.55	1.29	10.67	48	1023.1	16.1	6.91	20
1442	0.14	0.53	1.31	10.67		1023.0	15.8	6.97	20
1516	0.12	0.59	1.16	10.67		1022.8	15.9	6.89	16
1550	0.10	0.61	1.27	9.85	67	1022.7	15.6	7.03	16
1624	0.12	0.52	1.25	11.13		1022.6	15.3	6.85	17
1900	0.13	0.37	1.12	11.64		1022.6	14.9	5.03	15
1934	0.14	0.34	1.15	12.19		1022.7	14.8	4.44	7
2008	0.17	0.34	1.21	11.13	55	1022.7	13.1	2.89	334
2042	0.17	0.33	1.23	11.64		1022.7	12.4	2.89	321
2116	0.12	0.30	1.20	11.13		1022.7	12.2	2.64	321
2150	0.13	0.25	1.19	11.64	52	1022.7	11.8	2.97	315
2224	0.16	0.18	1.22	11.13		1022.6	11.6	2.87	307
				21 October 1986					
100	0.07	0.10	1.18	11.13		1022.4	9.9	3.12	299
134	0.16	0.16	1.13	11.13		1022.3	9.6	3.25	297
208	0.12	0.34	1.22	11.13	63	1022.2	9.4	3.20	295
242	0.20	0.30	1.12	10.67		1022.0	9.2	3.70	298
316	0.09	0.01	1.17	10.67		1022.0	9.5	3.89	299
350	0.11	0.09	1.14	10.67	100	1022.2	9.5	4.13	296
424	0.04	-0.02	1.07	10.67		1022.3	9.5	4.45	300
730	0.05	0.01	1.03	10.67		1023.2	11.2	4.06	300
804	0.08	-0.08	1.08	10.67		1023.5	11.9	3.78	303
838	0.10	-0.08	1.07	11.13	95	1023.6	12.5	3.95	306
912	0.08	-0.13	1.03	11.13		1023.6	14.0	3.63	317
946	0.12	-0.07	1.08	10.24		1023.5	15.0	4.58	317
1020	0.10	0.07	1.07	9.85	98	1023.5	16.3	4.03	342
1054	0.07	-0.01	1.09	9.85		1023.3	16.6	4.56	2

(Continued)

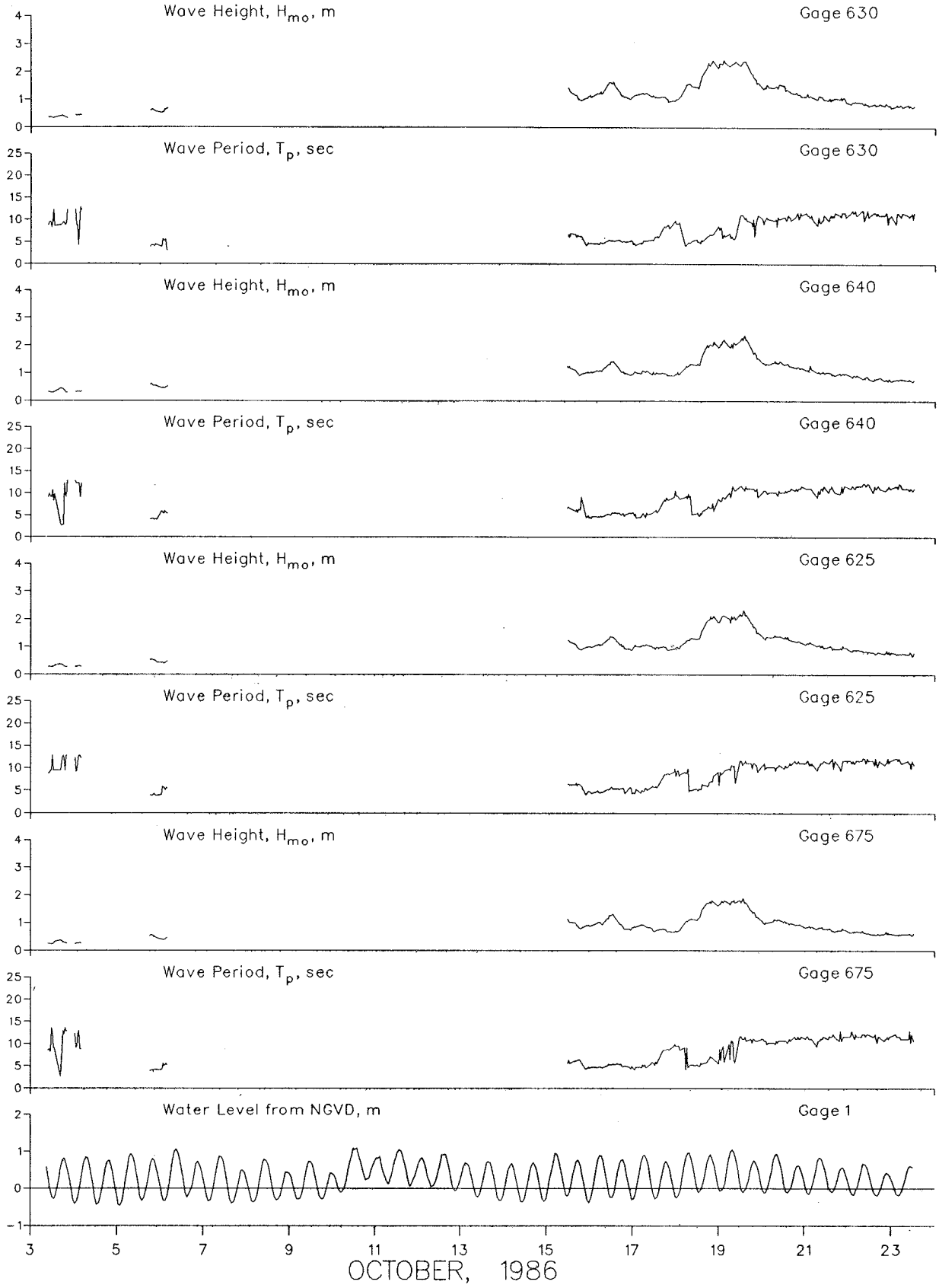
(Sheet 25 of 26)

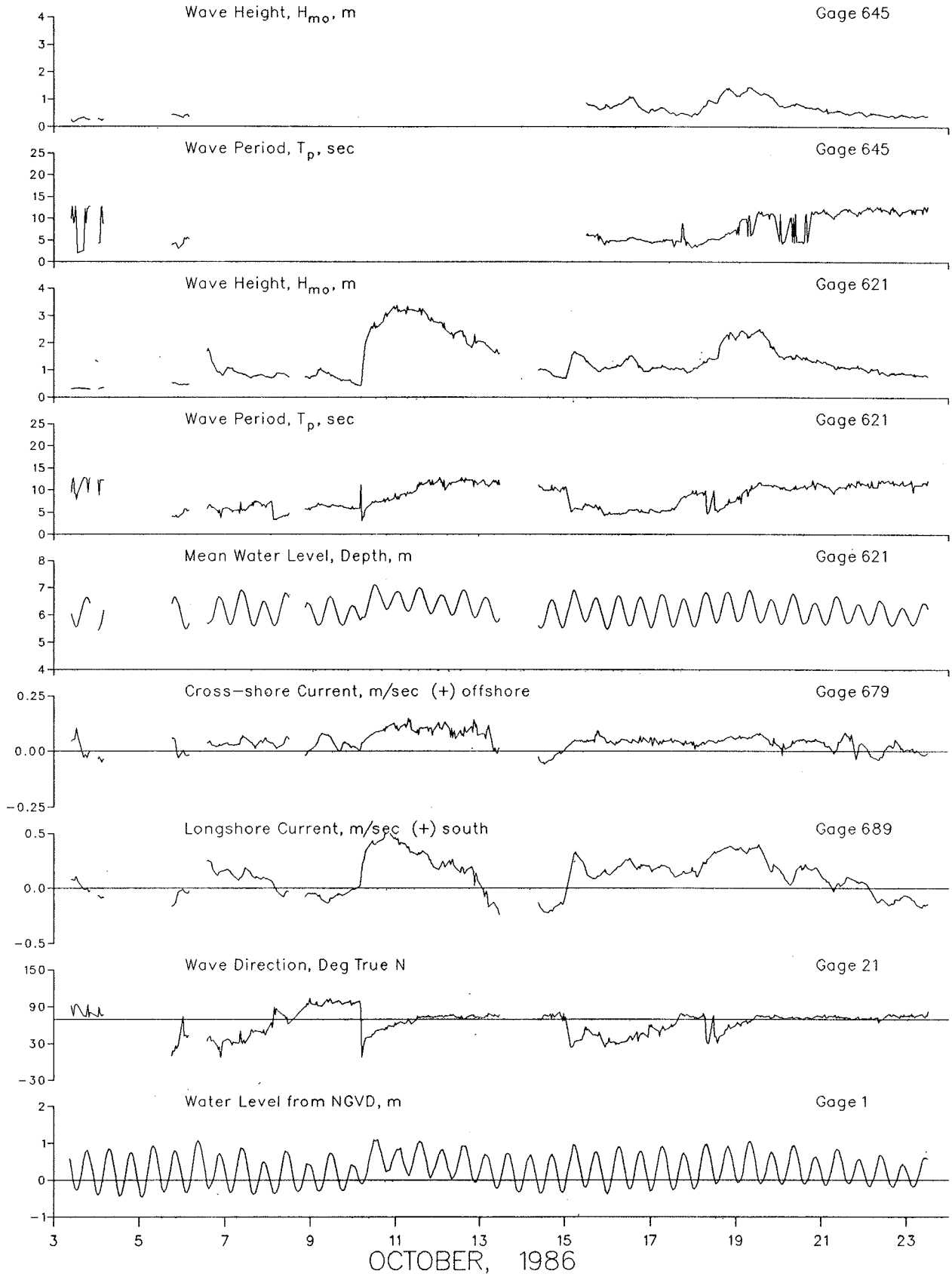
Table C1 (Concluded)

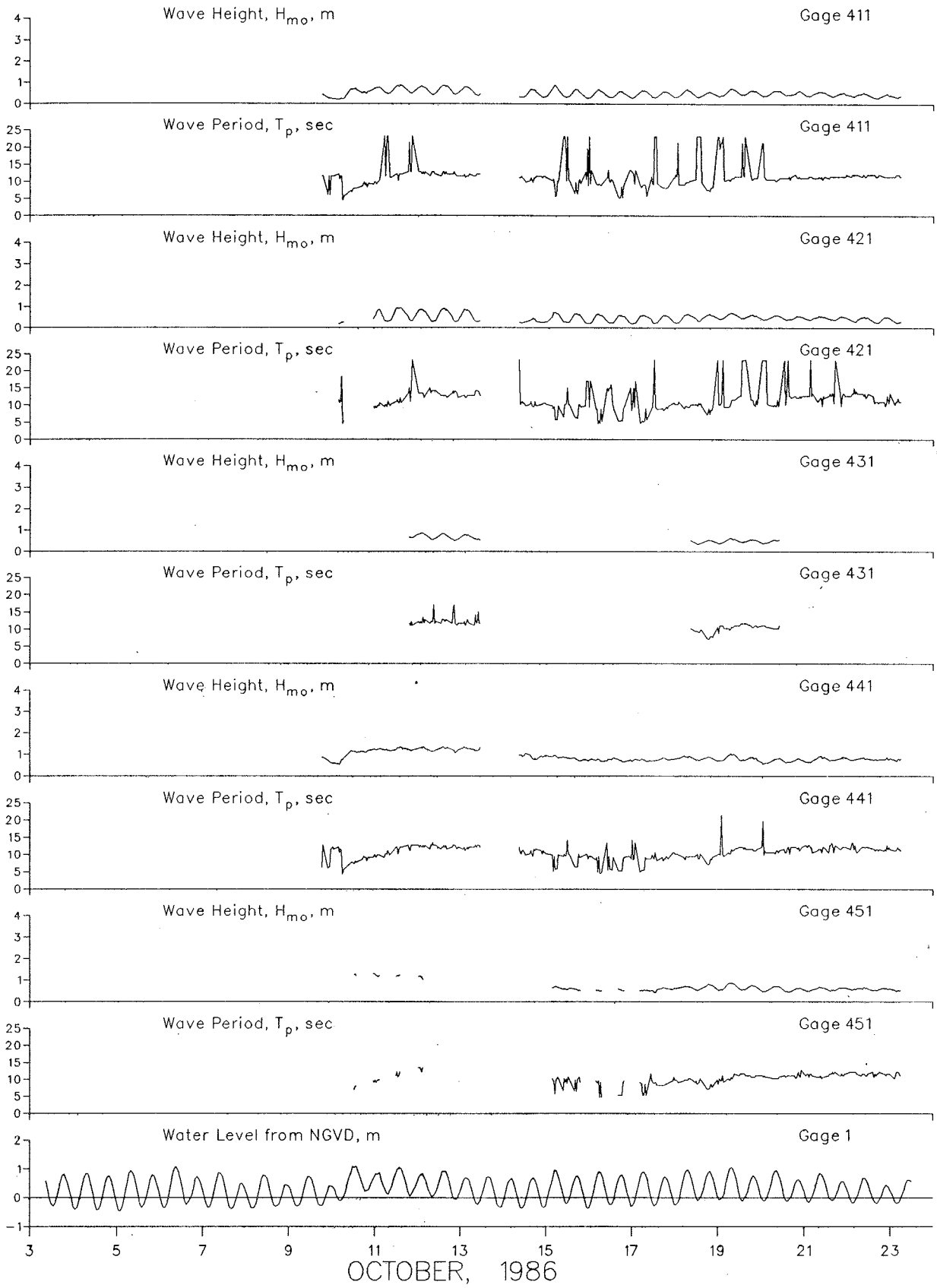
Time EST	LS09 U (299) m/sec	LS09 V (399) m/sec	LA09 Pressure Sensor (191) Wave Height m	Wave Period sec	Wave Dir (91) deg	Meteorological Conditions Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
1340	0.09	0.12	1.01	11.13		1021.2	17.1	3.14	49
1414	0.10	0.18	1.00	11.64		1021.0	17.2	3.08	62
1448	0.13	0.12	0.96	11.64	65	1021.0	17.2	2.03	57
1522	0.12	0.05	1.00	11.13		1021.1	17.4	1.90	59
1556	0.05	0.09	1.00	11.64		1021.1	16.9	1.77	60
1630	0.22	0.31	1.04	11.13	97	1021.1	16.2	1.50	64
1704	0.27	0.31	0.98	9.48		1021.1	15.0	0.92	84
1950	0.04	0.06	1.09	11.13		1021.7	11.9	1.69	173
2024	0.09	0.02	1.02	10.67		1021.9	11.5	1.81	299
2058	0.09	-0.09	0.96	9.48	96	1022.0	12.1	2.98	205
2132	0.07	0.10	0.92	12.19		1022.0	13.0	2.83	209
2206	0.08	-0.04	1.00	11.64		1022.1	12.3	2.49	228
2240	0.13	0.02	0.96	10.24	98	1022.1	11.9	2.51	234
2314	0.09	-0.06	0.96	11.64		1022.0	11.9	2.49	220
				22 October 1986					
200	0.05	-0.04	0.98	11.64		1021.3	12.1	3.21	223
234	0.11	-0.02	0.92	11.64		1021.3	12.1	2.96	
308	0.15	0.19	0.99	11.13	99	1021.4	11.9	2.86	221
342	0.09	0.08	1.02	11.64		1021.6	11.8	3.16	221
416	0.11	0.06	0.91	11.64		1021.8	11.8	3.35	231
450	0.05	-0.11	0.93	12.19	96	1022.1	12.2	2.75	242
524	0.08	-0.15	0.92	11.13		1022.3	11.8	1.86	248
810	0.08	-0.21	0.93	11.64		1023.4	14.5	2.92	232
844	0.08	-0.14	0.93	11.64		1023.4	15.3	3.51	247
918	0.07	-0.15	0.96	12.19		1023.5	16.4	3.77	256
952	0.05	-0.08	0.85	11.64		1023.5	17.0	3.64	255
1026	0.05	-0.12	0.87	12.19		1023.5	17.5	3.63	249
1100	0.09	-0.15	0.82	11.13	100	1023.5	17.9	3.30	247
1134	0.07	-0.13	0.87	11.64		1023.2	18.4	3.31	244
1430	0.07	-0.19	0.81	11.64		1022.1	20.7	2.44	204
1504	0.06	-0.19	0.85	11.64		1022.1	21.4	2.37	190
1538	0.05	-0.17	0.87	11.64	100	1022.1	21.3	2.35	183
1612	0.06	-0.24	0.89	11.13		1022.0	19.1	2.04	150
1646	0.07	-0.17	0.79	11.64		1022.1	17.5	1.23	163
1720	0.06	-0.21	0.86	11.13	98	1022.1	16.5	2.92	170
1754	0.07	-0.23	0.87	11.13		1022.4	16.8	3.34	183
2030	0.07	-0.20	0.81	11.13		1022.8	15.3	3.82	202
2104	0.06	-0.26	0.89	11.64		1023.0	15.2	3.75	201
2138	0.06	-0.31	0.85	11.13	90	1023.2	15.2	3.91	201
2212	0.06	-0.30	0.81	11.64		1023.2	15.1	3.21	196
2246	0.06	-0.17	0.84	11.13		1023.1	15.2	2.81	211
2320	0.06	-0.23	0.89	11.64	100	1023.1	15.0	3.22	225
2354	0.05	-0.24	0.82	10.67		1023.1	14.7	3.96	226
				23 October 1986					
230	0.05	-0.17	0.86	11.64		1023.2	14.3	3.32	228
304	0.06	-0.21	0.77	11.13		1023.2	15.3	2.72	223
338	0.06	-0.14	0.83	11.13	95	1023.2	14.4	3.81	234
412	0.05	-0.23	0.84	11.64		1023.4	14.7	4.95	241
446	0.03	-0.37	0.81	11.64		1023.5	14.8	4.51	245
520	0.06	-0.21	0.78	11.64	100	1023.6	14.7	4.77	241
554			0.73	11.64		1023.7	14.6	4.40	238
900			0.81	11.64		1023.6	16.7	4.35	225
934			0.75	10.67		1023.5	17.2	5.10	240
1008			0.83	11.64		1023.5	17.8	5.55	241
1042			0.72	11.64		1023.5	18.6	5.17	241
1116			0.76	11.13		1023.1	19.2	3.46	238
1150			0.74	11.64		1022.5	19.8	3.74	232
1224			0.77	11.64		1022.0	20.0	3.52	235

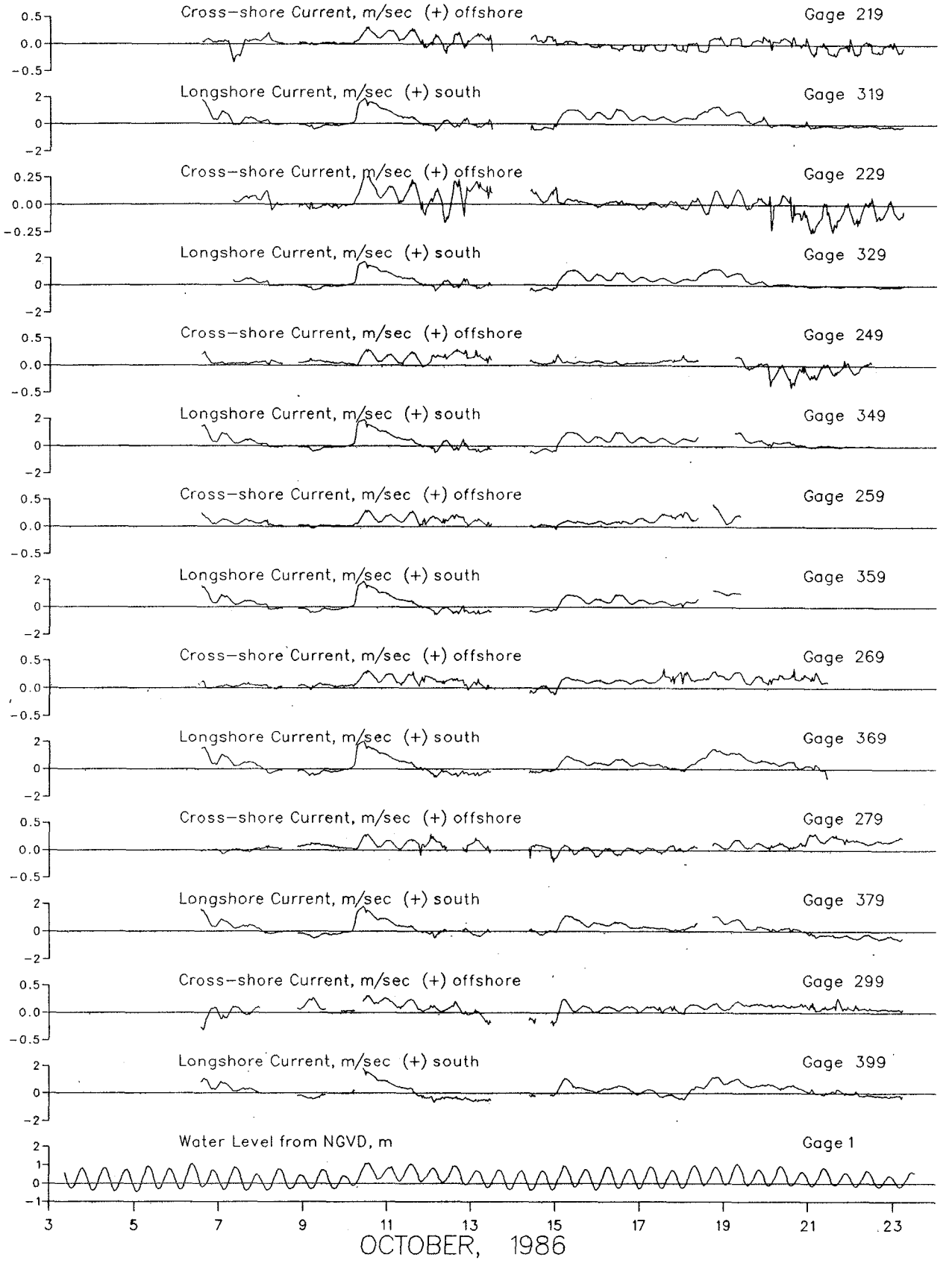
(Sheet 26 of 26)

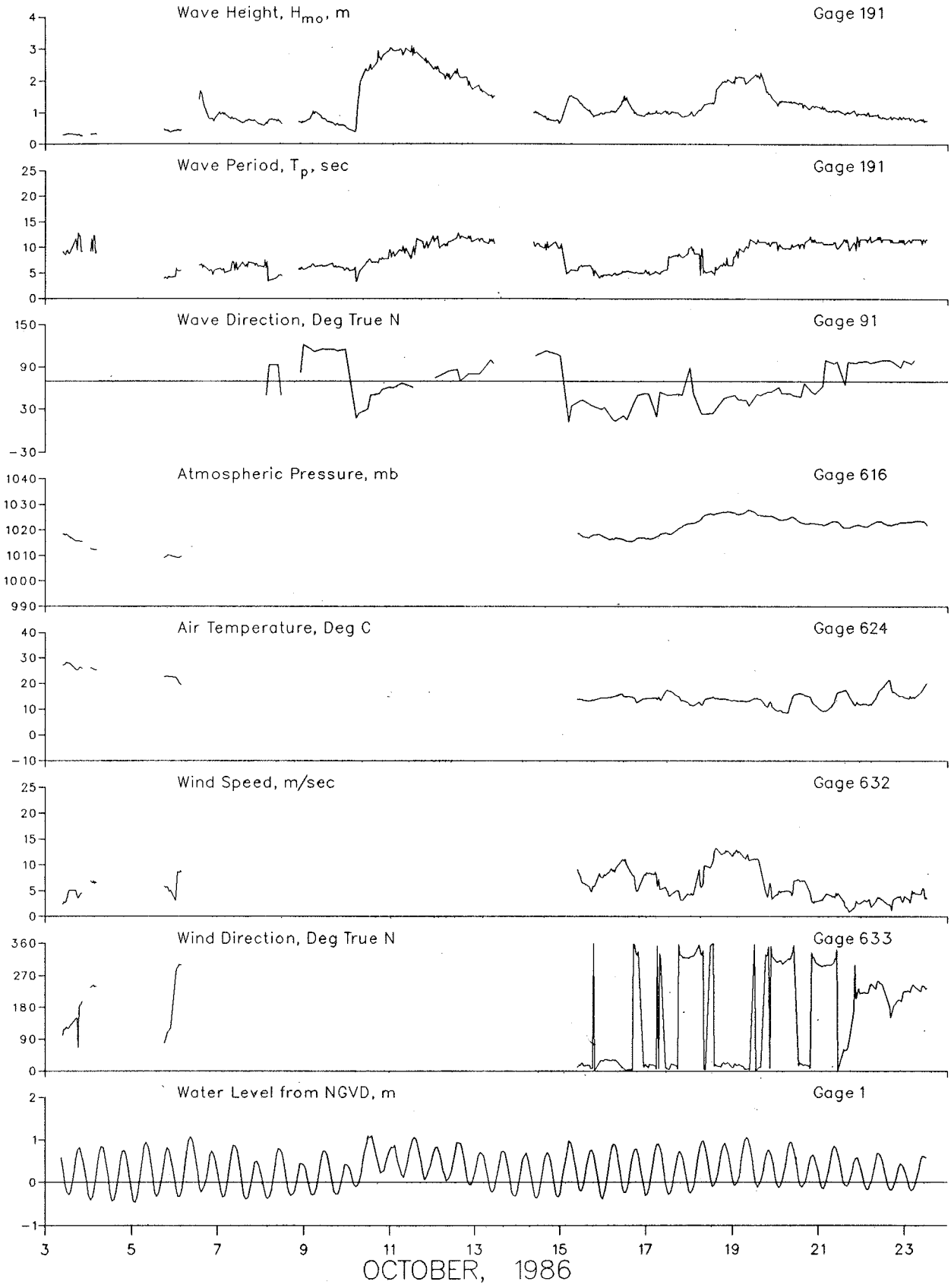
APPENDIX D: PLOTS OF DATA COLLECTED IN OCTOBER 1986 ON THE VAX COMPUTER


Wave Height, H_{mo}, m
Gage 630
Wave Period, T_p, sec
Gage 630
Wave Height, H_{mo}, m
Gage 640
Wave Period, T_p, sec
Gage 640
Wave Height, H_{mo}, m
Gage 625
Wave Period, T_p, sec
Gage 625
Wave Height, H_{mo}, m
Gage 675
Wave Period, T_p, sec
Gage 675
Water Level from NGVD, m
Gage 1
3
5
7
9
11
13
15
17
19
21
23
OCTOBER, 1986


Wave Height, H_{mo}, m
Gage 645
Wave Period, T_p, sec
Gage 645
Wave Height, H_{mo}, m
Gage 621
Wave Period, T_p, sec
Gage 621
Mean Water Level, Depth, m
Gage 621
Cross-shore Current, m/sec (+) offshore
Gage 679
Longshore Current, m/sec (+) south
Gage 689
Wave Direction, Deg True N
Gage 21
Water Level from NGVD, m
Gage 1
3
5
7
9
11
13
15
17
19
21
23
OCTOBER, 1986


Wave Height, H_{mo}, m
Gage 411
Wave Period, T_p, sec
Gage 411
Wave Height, H_{mo}, m
Gage 421
Wave Period, T_p, sec
Gage 421
Wave Height, H_{mo}, m
Gage 431
Wave Period, T_p, sec
Gage 431
Wave Height, H_{mo}, m
Gage 441
Wave Period, T_p, sec
Gage 441
Wave Height, H_{mo}, m
Gage 451
Wave Period, T_p, sec
Gage 451
Water Level from NGVD, m
Gage 1
3
5
7
9
11
13
15
17
19
21
23
OCTOBER, 1986


Cross-shore Current, m/sec (+) offshore
Gage 219
Longshore Current, m/sec (+) south
Gage 319
Cross-shore Current, m/sec (+) offshore
Gage 229
Longshore Current, m/sec (+) south
Gage 329
Cross-shore Current, m/sec (+) offshore
Gage 249
Longshore Current, m/sec (+) south
Gage 349
Cross-shore Current, m/sec (+) offshore
Gage 259
Longshore Current, m/sec (+) south
Gage 359
Cross-shore Current, m/sec (+) offshore
Gage 269
Longshore Current, m/sec (+) south
Gage 369
Cross-shore Current, m/sec (+) offshore
Gage 279
Longshore Current, m/sec (+) south
Gage 379
Cross-shore Current, m/sec (+) offshore
Gage 299
Longshore Current, m/sec (+) south
Gage 399
Water Level from NGVD, m
Gage 1
3
5
7
9
11
13
15
17
19
21
23
OCTOBER, 1986


Wave Height, H_{mo}, m
Gage 191
Wave Period, T_p, sec
Gage 191
Wave Direction, Deg True N
Gage 91
Atmospheric Pressure, mb
Gage 616
Air Temperature, Deg C
Gage 624
Wind Speed, m/sec
Gage 632
Wind Direction, Deg True N
Gage 633
Water Level from NGVD, m
Gage 1
3 5 7 9 11 13 15 17 19 21 23
OCTOBER, 1986

APPENDIX E: TABLES OF DATA COLLECTED IN OCTOBER 1986 ON THE NOVA COMPUTER

Table E1

October SUPERDUCK Data Collected on the NOVA Computer

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
							6 October 1986									
1300	1.66	5.95	1.34	5.33	1.32	5.57	1.33	5.69	1.10	5.57	1.52	5.45	5.97	0.07	0.28	35
1400	1.76	6.56	1.51	5.82	1.42	6.09	1.40	5.95	1.35	5.82	1.68	5.69	5.72	0.06	0.31	35
1500	2.03	6.56	1.51	6.40	1.56	6.92	1.52	6.74	1.41	6.56	1.68	6.74	5.71	0.07	0.31	42
1600	1.64	6.74	1.40	6.56	1.21	6.56	1.21	6.24	1.22	6.24	1.46	6.56	5.74	0.06	0.30	43
1700	1.47	6.24	1.11	6.09	1.08	5.95	1.09	5.95	1.04	6.09	1.22	6.24	5.87	0.05	0.22	37
1800	1.32	6.24	0.99	6.24	0.97	6.09	1.00	5.95	0.91	5.95	1.10	5.82	6.08	0.04	0.20	32
1900	1.19	5.69	0.92	5.95	0.90	5.45	0.88	5.82	0.76	5.57	0.99	5.69	6.40	0.04	0.18	37
2000	1.04	5.69	0.88	5.69	0.82	5.12	0.84	5.69	0.65	5.57	0.88	5.57	6.60	0.05	0.17	30
2100	1.04	5.57	0.89	5.45	0.82	5.45	0.88	5.45	0.67	5.57	0.92	5.45	6.61	0.05	0.20	25
2200	0.96	4.83	0.81	5.57	0.72	5.57	0.75	5.22	0.62	5.33	0.81	4.92	6.51	0.05	0.21	21
2300	1.00	5.45	0.84	5.57	0.77	5.57	0.78	5.45	0.65	5.33	0.91	6.40	6.35	0.06	0.21	39
							7 October 1986									
0	1.16	5.95	0.97	5.57	0.93	6.09	0.94	5.57	0.81	5.95	1.05	5.95	6.10	0.05	0.23	36
100	1.23	5.95	1.01	6.09	0.95	5.69	0.95	5.82	0.87	5.45	1.14	5.69	5.83	0.06	0.23	32
200	1.19	5.69	1.05	5.45	0.90	5.57	0.96	5.45	0.99	5.69	1.10	5.69	5.65	0.05	0.22	38
300	1.13	5.02	0.95	5.57	0.92	5.82	0.98	5.69	0.97	5.57	1.08	5.33	5.59	0.05	0.21	34
400	1.13	5.33	0.96	5.95	0.91	5.12	0.94	5.33	0.92	5.22	1.11	5.57	5.67	0.05	0.18	36
500	1.11	5.82	0.94	4.92	0.87	5.02	0.85	5.45	0.73	5.69	1.00	4.66	5.87	0.05	0.16	28
600	1.10	5.12	0.90	5.33	0.86	5.57	0.83	5.33	0.75	5.69				0.05	0.14	
700	1.12	7.31	0.89	5.45	0.85	5.45	0.80	5.45	0.69	5.69	0.97	5.82	6.46	0.05	0.13	39
800	1.06	5.45	0.85	6.74	0.77	7.31	0.79	5.45	0.63	5.69	0.86	4.66	6.77	0.05	0.14	32
900	1.02	5.69	0.85	6.92	0.75	7.11	0.75	6.92	0.66	5.22	0.91	7.11	6.90	0.08	0.15	49
1000	0.98	6.74	0.79	7.11	0.73	5.33	0.74	5.57	0.62	5.57	0.82	7.11	6.84	0.10	0.17	49
1100	0.91	6.92	0.78	7.11	0.73	5.33	0.70	6.74	0.63	6.56	0.80	5.22	6.72	0.09	0.24	31
1200	0.88	6.40	0.73	6.40	0.68	7.11	0.67	5.33	0.58	5.33	0.79	6.74	6.50	0.07	0.21	48
1300	0.86	6.24	0.69	7.11	0.63	6.74	0.62	5.69	0.54	5.69	0.76	5.57	6.17	0.08	0.19	36
1400	0.93	6.92	0.68	6.09	0.61	7.11	0.59	5.12	0.51	5.82	0.70	6.56	5.86	0.06	0.20	45
1500	0.85	6.92	0.65	7.11	0.60	6.09	0.57	5.57	0.58	5.12	0.74	6.56	5.67	0.06	0.16	58
1600	0.84	6.40	0.67	7.76	0.61	6.92	0.54	6.40	0.60	5.95	0.75	6.24	5.67	0.05	0.15	53
1700	0.87	6.92	0.71	6.09	0.63	7.53	0.60	6.74	0.61	6.40	0.79	7.31	5.67	0.03	0.15	56
1800	0.94	6.92	0.75	7.53	0.69	7.31	0.63	7.11	0.56	6.74	0.85	7.11	5.85	0.06	0.13	49
1900	0.96	7.11	0.76	6.92	0.70	7.11	0.61	6.74	0.49	7.11	0.83	7.11	6.07	0.07	0.12	53
2000	0.92	6.74	0.76	6.74	0.69	6.92	0.61	5.82	0.56	6.92	0.85	6.92	6.37	0.07	0.13	51
2100	0.92	6.40	0.77	6.40	0.71	6.92	0.63	6.74	0.55	6.40	0.82	6.74	6.58	0.06	0.14	48
2200	0.89	6.09	0.74	6.56	0.68	6.40	0.63	6.56	0.54	6.40	0.80	5.33	6.60	0.08	0.15	42
2300	0.82	6.40	0.67	6.40	0.63	6.40	0.60	6.56	0.53	6.40	0.79	5.95	6.52	0.08	0.14	44
							8 October 1986									
0	0.77	6.09	0.68	5.69	0.62	5.69	0.59	6.09	0.52	5.57	0.75	5.95	6.37	0.07	0.13	47
100	0.74	5.82	0.64	6.24	0.63	6.40	0.55	6.24	0.41	5.82	0.78	3.12	6.17	0.06	0.12	52
200	0.75	6.40	0.65	5.82	0.63	7.76	0.57	5.82	0.50	6.24	0.74	3.08	5.94	0.06	0.11	84
300	0.80	5.69	0.70	7.31	0.64	7.31	0.58	3.16	0.59	5.33	0.82	3.33	5.77	0.06	0.09	59
400	0.82	7.11	0.75	7.11	0.67	7.11	0.63	3.37	0.63	3.37	0.83	3.12	5.79	0.05	0.05	95
500	0.89	3.51	0.77	3.71	0.75	6.92	0.68	3.28	0.74	3.71	0.95	3.56	5.86	0.04	0.02	84
600	0.89	3.56	0.81	3.61	0.77	4.06	0.69	3.71	0.63	3.71	1.00	3.66	6.05	0.04	-0.02	79
700	0.92	6.24	0.87	4.13	0.81	4.00	0.72	3.94	0.58	4.00	0.98	3.77	6.24	0.05	-0.04	83
800	0.87	3.88	0.85	3.94	0.79	4.00	0.70	4.13	0.62	4.13	0.90	4.13	6.54	0.05	-0.04	85
900	0.87	4.00	0.81	4.57	0.77	4.20	0.75	4.20	0.58	3.82	0.88	4.13	6.81	0.06	-0.04	77
1000	0.83	4.27	0.77	4.34	0.73	4.34	0.70	4.27	0.55	4.20	0.86	4.20	6.87	0.09	0.00	83
1100	0.83	4.83	0.73	4.34	0.69	4.20	0.62	4.20	0.51	4.06	0.76	4.27	6.75	0.09	0.01	74
1200	0.75	4.49	0.74	4.66	0.67	4.49	0.64	4.27	0.50	4.20	0.71	4.41	6.63	0.08	0.01	65
1300																
1400																
1500																
1600	0.75	4.41	0.67	9.85												
1700	0.73	4.27	0.60	4.13							0.67	3.08	5.68	0.02	-0.08	76
1800	0.80	4.49	0.63	8.53							0.66	5.33	5.73	0.02	-0.06	78
1900	0.82	5.33	0.61	5.22							0.65	4.74	5.86	0.00	-0.03	89
2000	0.86	5.12	0.68	5.69							0.66	5.02	6.08	-0.01	-0.06	86
2100	0.89	5.22	0.66	6.09							0.76	5.57	6.31	0.00	-0.04	90
2200	0.89	5.33	0.73	5.45							0.76	5.45	6.47	0.01	-0.02	96
2300	0.90	5.57	0.70	5.69							0.73	5.57	6.44	0.02	-0.01	96
							9 October 1986									
0	0.88	6.09	0.69	5.45							0.72	5.22	6.37	0.03	-0.01	101
100	0.91	6.24	0.69	5.95							0.76	6.09	6.23	0.02	0.00	97
200	0.91	6.24	0.74	6.09							0.75	6.24	6.04	0.04	-0.01	100
300	1.02	6.24	0.75	6.56							0.78	6.24	5.81	0.05	-0.01	93
400	1.11	6.74	0.85	6.56							0.90	6.92	5.66	0.06	-0.03	90
500	1.15	6.56	0.91	6.40							1.03	6.74	5.66	0.09	-0.03	93
600	1.19	6.56	0.94	6.74							1.07	6.74	5.70	0.10	-0.05	92
700	1.08	6.40	0.90	6.40							1.04	6.56	5.84	0.12	-0.08	94
800	1.05	6.74	0.87	6.40							0.99	6.24	6.10	0.10	-0.12	98
900	0.99	6.09	0.84	6.09							0.92	6.24	6.42	0.10	-0.12	101

(Continued)

(Sheet 1 of 16)

Table E1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage: Pressure Sensor (621) Wave Height m	Pressure Sensor (621) Wave Period sec	Pressure Sensor (621) Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
1000	0.99	6.40	0.78	6.24							0.90	6.09	6.63	0.10	-0.09	96
1100	0.88	6.56	0.81	6.24	0.70	6.56	0.78	6.24	0.78	6.40	0.84	6.40	6.70	0.09	-0.06	98
1200	0.97	6.24	0.79	6.24	0.69	6.40	0.69	6.24	0.72	6.24	0.79	6.09	6.66	0.08	-0.06	103
1300	0.91	6.40	0.75	6.40	0.66	6.24	0.71	6.40	0.71	6.40	0.78	6.56	6.55	0.06	-0.05	95
1400	0.92	6.56	0.76	6.40	0.64	6.56	0.61	6.24	0.68	6.24	0.72	6.40	6.35	0.01	0.01	104
1500	0.92	6.56	0.67	6.24	0.62	6.56	0.59	6.56	0.56	6.56	0.66	6.74	6.07	0.01	0.01	96
1600	0.83	6.40	0.67	6.40	0.63	6.24	0.57	6.40	0.54	6.40	0.67	6.24	5.86	0.02	-0.01	100
1700	0.80	6.40	0.62	6.24	0.55	6.40	0.57	6.40	0.57	6.24	0.64	6.09	5.72	0.03	-0.02	100
1800	0.80	6.40	0.59	6.24	0.55	6.09	0.52	6.09	0.55	6.24	0.62	6.40	5.66	0.05	-0.03	93
1900	0.75	6.24	0.60	6.24	0.56	5.95	0.50	6.09	0.54	6.09	0.66	5.95	5.68	0.07	-0.02	95
2000	0.76	6.24	0.58	6.09	0.55	6.40	0.51	6.09	0.47	6.09	0.66	6.09	5.84	0.06	-0.01	96
2100	0.70	5.57	0.58	6.24	0.55	6.09	0.51	5.69	0.48	5.95	0.58	5.95	6.03	0.06	0.00	101
2200	0.67	5.95	0.61	6.09	0.54	6.40	0.49	5.95	0.56	5.95	0.64	5.82	6.23	0.05	0.01	98
2300	0.68	5.69	0.53	5.82	0.51	5.82	0.46	6.09	0.48	5.95	0.58	5.45	6.35	0.04	0.02	93
							10 October 1986									
0	0.62	5.69	0.51	5.95	0.47	5.95	0.41	5.57	0.42	6.09	0.55	5.57	6.37	0.04	0.03	97
100	0.63	5.45	0.47	5.82	0.45	5.69	0.39	5.95	0.40	5.95	0.51	5.45	6.31	0.04	0.03	96
200	0.54	5.95	0.44	5.82	0.41	5.82	0.37	5.57	0.39	5.82	0.49	5.12	6.19	0.04	0.02	95
300	0.52	5.45	0.41	5.45	0.38	5.45	0.35	5.69	0.31	5.95	0.43	5.95	6.00	0.04	0.05	93
400	0.52	5.57	0.41	5.45	0.38	5.57	0.33	5.95	0.27	5.57	0.43	5.82	5.85	0.02	0.06	99
500	0.66	3.05	0.59	2.88	0.54	3.05	0.51	2.75	0.41	2.75	0.46	3.08	5.93	0.06	0.21	11
600	1.19	4.20	1.14	4.06	0.98	4.20	1.08	3.88	0.80	4.13	1.36	4.00	5.90	0.06	0.30	26
700	1.86	5.45	1.62	5.12	1.38	5.12	1.51	5.33	1.37	5.33	1.83	5.45	5.96	0.08	0.38	37
800	2.22	6.24	1.87	5.95	1.91	5.95	1.82	5.95	1.60	5.95	2.21	6.09	6.21	0.09	0.45	41
900	2.47	6.40	2.11	6.74	2.05	6.56	2.15	6.40	1.73	6.56	2.34	6.74	6.48	0.09	0.47	40
1000	2.54	6.56	2.25	6.92	2.08	6.92	2.21	7.11	1.86	6.92	2.53	6.74	6.75	0.09	0.49	43
1100	2.57	7.31	2.21	7.31	2.08	6.92	2.18	7.31	1.87	7.53	2.54	6.74	6.97	0.10	0.50	45
1200	2.71	7.31	2.37	7.53	2.11	7.76	2.09	7.53	1.87	7.31	2.76	7.11	7.13	0.11	0.47	46
1300	2.64	7.76	2.37	7.53	2.26	8.00	2.20	7.11	1.87	7.76	2.58	7.31	7.11	0.12	0.48	48
1400	2.60	7.53	2.38	7.76	2.11	7.76	1.99	8.00	1.70	8.00	2.57	7.53	7.03	0.12	0.49	52
1500	2.64	7.31	2.33	7.53	2.06	7.76	2.03	7.31	1.60	7.76	2.56	8.26	6.92	0.12	0.48	52
1600	2.75	7.11	2.30	7.76	2.11	7.76	2.04	7.76	1.56	7.76	2.74	7.76	6.69	0.12	0.50	52
1700	2.83	7.31	2.45	8.00	2.28	7.76	2.12	7.53	1.54	7.76	2.79	7.31	6.49	0.12	0.52	55
1800	3.01	8.26			2.43	7.31	2.18	8.00	1.48	7.53	3.04	7.11	6.33	0.12	0.57	53
1900	2.94	8.00	2.97	7.11	2.68	8.26	2.26	7.31	1.42	7.53	3.08	8.00	6.22	0.14	0.62	56
2000	3.12	7.53	2.86	8.53	2.60	9.14	2.20	7.76	1.45	8.26	3.06	8.26	6.27	0.14	0.60	57
2100	3.18	7.11	2.97	7.76	2.77	8.53	2.21	7.53	1.46	7.76	3.13	7.31	6.37	0.14	0.59	62
2200	3.08	8.26	3.10	9.14	2.85	9.14	2.36	8.53	1.58	8.26	3.13	8.83	6.55	0.14	0.54	61
2300	3.15	8.83			2.88	9.14	2.29	9.14	1.62	8.83	3.34	7.11	6.71	0.15	0.55	56
							11 October 1986									
0	3.19	7.11	2.97	8.83	2.58	9.48	2.36	8.00	1.57	7.31	3.19	9.48	6.83	0.14	0.54	66
100	3.21	7.76	3.03	9.14	2.58	9.14	2.30	9.14	1.61	9.48	3.44	8.00	6.87	0.14	0.51	61
200	3.16	7.31			2.42	7.76	2.31	9.14	1.61	9.14	3.21	7.53	6.87	0.13	0.49	62
300	2.98	9.14	2.95	8.83	2.57	8.83	2.25	9.48	1.58	6.74	3.15	8.53	6.78	0.14	0.49	67
400	3.13	8.83	2.92	7.76			2.23	8.53	1.51	8.83	3.16	8.53	6.56	0.13	0.50	63
500	3.01	9.14	3.04	9.85	2.59	9.14	2.25	9.14	1.43	9.14	3.19	9.14	6.38	0.15	0.50	65
600	3.01	8.83	3.12	9.14	2.48	9.85	2.21	10.24	1.35	9.85	3.10	9.14	6.25	0.14	0.46	61
700	3.45	8.83	3.06	9.14	2.31	8.26	2.17	8.53	1.34	8.53	3.29	9.14	6.18	0.18	0.44	67
800	3.09	9.48	3.03	8.83	2.39	10.24	2.14	9.85	1.31	10.24	3.24	8.83	6.18	0.17	0.42	67
900	2.97	7.76	3.11	7.76	2.43	9.48	2.27	9.14	1.39	9.14	3.18	9.48	6.32	0.15	0.40	66
1000	3.11	9.14	2.94	9.48			2.23	9.48	1.46	9.48	3.08	9.48	6.50	0.13	0.37	66
1100	2.99	7.11					2.27	9.85	1.58	9.48	3.23	10.24	6.73	0.12	0.35	71
1200	3.22	9.14	2.95	9.48			2.24	9.14	1.61	8.53	3.16	9.85	6.91	0.11	0.37	69
1300	2.90	7.31			2.15	11.13	2.32	11.13	1.67	11.13	3.21	10.67	7.00	0.11	0.39	71
1400	2.85	9.48	2.83	10.67	1.97	8.53	2.23	10.67	1.70	11.64	3.26	11.64	7.01	0.13	0.39	73
1500	2.75	9.48	2.94	9.85			2.20	11.64	1.58	9.48	3.07	12.80	6.96	0.13	0.40	73
1600	2.83	9.48	2.87	12.19			2.25	12.19	1.64	12.19	3.06	11.13	6.81	0.15	0.41	74
1700	2.90	9.85	2.72	10.67			2.05	11.64	1.77	9.85	3.05	12.19	6.55	0.13	0.42	74
1800	2.77	9.48	2.56	10.24	1.93	10.67	2.08	11.64	1.69	11.64	3.08	11.64	6.34	0.13	0.40	75
1900	2.56	10.24	2.58	11.13	2.20	10.67	2.01	10.67	1.72	10.67	2.80	12.19	6.17	0.13	0.34	75
2000	2.54	11.13	2.54	10.67			1.88	11.64	1.59	11.64	2.79	11.13	6.07	0.13	0.32	75
2100	2.47	9.14	2.52	11.64			1.96	11.64	1.72	11.64	2.89	11.13	6.09	0.10	0.28	75
2200	2.64	9.48	2.64	10.67			1.93	12.19	1.72	9.85	2.85	10.67	6.22	0.08	0.24	74
2300	2.51	9.48	2.61	11.13			2.11	11.13	1.80	11.13	2.73	12.19	6.37	0.12	0.28	78
							12 October 1986									
0	2.51	9.85	2.47	12.19			1.99	12.80	1.82	12.80	2.75	12.80	6.55	0.13	0.24	76
100	2.37	9.85	2.47	10.67			1.98	10.67	1.86	12.19	2.82	12.19	6.68	0.14	0.26	75
200	2.23	11.64	2.48	11.64			1.90	12.19	1.80	12.19	2.71	11.13	6.75	0.13	0.27	73
300	2.34	10.67	2.31	11.64			1.97	12.19	1.83	12.19	2.55	11.64	6.72	0.14	0.31	74
400	2.29	11.64	2.37	12.80			1.91	12.80	1.93	12.80	2.58	12.19	6.63	0.16	0.25	75
500	2.15	11.64	2.19	10.67			1.75	12.19	1.79	12.19	2.48	12.19	6.45	0.14	0.31	77
600	2.24	9.85	2.23	11.13			1.81	11.64	1.61	11.64	2.46	12.19	6.23	0.12	0.34	76

(Continued)

(Sheet 2 of 16)

Table E1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
700	2.12	10.24	2.11	11.13	1.86	12.19	1.66	11.13	1.59	11.13	2.35	12.19	6.09	0.10	0.30	75
800	2.18	9.85	2.24	11.13			1.65	12.19	1.52	12.19	2.41	11.64	6.00	0.13	0.32	76
900	2.15	9.48	2.09	9.48			1.63	10.24	1.60	10.67	2.14	12.19	6.02	0.12	0.28	75
1000	2.03	11.13	2.15	10.24	2.13	10.24	1.63	12.80	1.67	12.80	2.34	11.64	6.15	0.08	0.26	74
1100	2.00	11.64	2.17	11.64	2.07	11.64	1.63	11.64	1.66	11.64	2.30	11.64	6.35	0.10	0.26	74
1200	2.15	11.13	2.23	11.64	2.22	11.64	1.74	12.19	1.68	12.19	2.42	12.19	6.57	0.07	0.21	74
1300	2.19	11.13	2.12	12.19	2.18	12.19	1.79	12.19	1.76	12.19	2.45	12.19	6.77	0.12	0.19	72
1400	2.01	12.80	2.03	12.19	2.02	12.80	1.68	12.80	1.57	12.80	2.48	12.19	6.90	0.12	0.25	72
1500	1.99	12.80	1.96	11.64	1.93	12.80	1.53	12.80	1.28	12.80	2.17	12.19	6.93	0.13	0.20	72
1600	1.91	12.19	1.95	12.19	2.07	12.60	1.66	12.80	1.51	12.80	2.27	11.64	6.87	0.12	0.20	74
1700	1.83	12.19	1.96	12.19	1.96	12.19	1.55	12.19	1.37	12.80	2.05	12.80	6.69	0.13	0.23	72
1800	1.93	12.19	1.94	12.19	2.06	12.19	1.63	12.19	1.50	12.80	2.07	12.19	6.45	0.11	0.24	73
1900	1.70	11.64	1.77	11.64	1.74	10.67	1.35	11.64	1.45	12.19	1.92	12.19	6.18	0.12	0.28	75
2000	1.82	11.64	1.84	12.19	1.76	12.19	1.39	12.19	1.29	12.19	1.92	11.13	5.99	0.13	0.25	74
2100	1.92	11.64	1.82	12.19	1.83	12.19	1.46	12.19	1.18	12.19	2.34	12.19	5.90	0.17	0.07	73
2200	1.77	11.13	1.93	11.13	1.80	12.19	1.41	11.64	1.21	11.64	2.05	11.64	5.96	0.16	0.20	73
2300	1.78	12.19	1.75	10.67	1.75	10.67	1.36	10.67	1.15	10.24	2.04	11.13	6.06	0.04	0.08	74
							13 October 1986									
0	1.74	11.64	1.68	12.19	1.69	12.19	1.35	12.19	1.08	12.19	1.91	12.19	6.24	0.06	0.05	73
100	1.61	11.64	1.92	12.19	1.83	12.19	1.45	12.19	1.18	12.19	2.03	12.19	6.45	0.09	0.04	72
200	1.66	11.64	1.77	11.13	1.77	12.19	1.45	12.19	1.13	11.64	2.00	11.13	6.60	0.11	0.02	72
300	1.63	11.13	1.65	11.64	1.71	12.19	1.40	12.19	1.12	12.19	2.13	11.13	6.66	0.08	-0.04	73
400	1.62	11.64	1.70	11.13	1.69	12.19	1.34	11.13	1.01	12.19	1.92	11.13	6.64	0.15	-0.01	76
500	1.57	11.13	1.63	11.13	1.61	11.13	1.29	12.19	0.99	12.19	1.81	11.13	6.53	0.16	-0.16	76
600	1.57	11.64	1.55	12.19	1.60	11.13	1.21	11.13	1.01	11.13	1.75	11.64	6.31	0.13	-0.11	78
700	1.49	11.13	1.60	11.64	1.55	11.64	1.23	11.64	0.97	11.64	1.62	10.67	6.08	0.00	-0.09	75
800	1.50	10.24	1.57	12.19	1.55	11.64	1.19	11.64	0.92	11.64	1.68	11.64	5.89	0.01	-0.10	78
900	1.52	11.13	1.49	11.13	1.41	11.64	1.08	11.64	0.90	11.13	1.75	12.19	5.78	0.01	-0.13	75
1000	1.62	10.67	1.39	10.67	1.36	12.80	1.09	12.80	0.83	11.13	1.64	11.64	5.77	0.01	-0.15	74
1100	1.48	10.24	1.43	11.13	1.35	10.24	1.03	12.80	0.81	12.19	1.65	11.13	5.86	0.04	-0.21	77
1200	1.49	11.13	1.38	11.13	1.37	11.64	1.10	12.19	0.82	12.19	1.69	11.64	6.05	0.05	-0.24	75
1300	1.37	10.67	1.31	12.19	1.33	11.64	1.05	11.64	0.79	11.13	1.62	10.67	6.28	0.04	-0.23	77
1400	1.38	9.85	1.28	12.19	1.25	10.67	1.02	12.19	0.72	10.67	1.61	9.85	6.52	0.01	-0.22	77
1500	1.32	12.19	1.22	10.24	1.33	10.67	1.09	10.67	0.74	10.67	1.40	12.19	6.67	0.00	-0.20	72
1600	1.32	11.13	1.17	12.19	1.18	10.24	1.00	10.24	0.66	9.85	1.37	11.13	6.67	0.00	-0.18	72
1700																
1800																
1900																
2000																
2100																
2200																
2300																
							14 October 1986									
0																
100																
200																
300																
400																
500																
600																
700																
800																
900																
1000	1.08	9.14	0.93	9.85	0.87	9.85	0.73	9.48	0.58	9.48	1.05	10.67	5.56	-0.02	-0.13	70
1100	1.22	9.85	0.95	10.67	0.95	9.85	0.77	9.85	0.58	9.85	1.02	11.13	5.55	-0.04	-0.16	67
1200	1.14	9.85	0.92	9.85	0.93	9.85	0.77	9.85	0.50	9.85	1.01	10.24	5.67	-0.04	-0.19	74
1300					0.89	9.85					0.92	9.85	5.87	-0.04	-0.19	79
1400																
1500	1.03	9.85	0.88	9.14	0.77	10.24	0.68	8.83	0.48	6.74	0.95	9.85	6.42	-0.03	-0.20	74
1600	1.06	10.24	0.79	9.85	0.79	10.24	0.67	10.67	0.46	9.14	0.89	9.85	6.54	-0.03	-0.18	79
1700	0.94	9.14	0.78	9.48	0.73	10.67	0.63	9.85	0.42	9.85	0.80	9.48	6.56	-0.02	-0.18	85
1800	0.93	10.24	0.75	10.24	0.71	10.67	0.62	10.67	0.39	9.48	0.78	9.85	6.48	-0.01	-0.16	79
1900	0.85	9.85	0.72	10.67	0.68	10.67	0.56	9.85	0.38	9.85	0.76	9.85	6.28	0.01	-0.14	76
2000																
2100																
2200																
2300																
							15 October 1986									
0																
100																
200																
300																

(Continued)

(Sheet 3 of 16)

Table E1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
400																
500																
600																
700																
800																
900																
1000																
1100																
1200																
1300																
1400																
1500																
1600																
1700																
1800																
1900																
2000																
2100																
2200																
2300																
16 October 1986																
0																
100																
200																
300																
400																
500																
600																
700																
800																
900																
1000																
1100																
1200																
1300																
1400	1.48	5.57	1.31	5.45	1.31	5.45	1.22	5.57	1.01	5.57	1.50	5.22	5.89	0.08	0.27	41
1500	1.45	5.22	1.27	5.22	1.29	5.45	1.15	5.45	0.93	5.33	1.29	5.69	6.15	0.08	0.25	48
1600	1.32	5.33	1.16	5.22	1.21	5.33	1.03	5.12	0.84	5.12	1.32	5.22	6.44	0.09	0.23	41
1700	1.22	5.22	1.07	5.33	1.09	5.22	0.98	5.22	0.73	5.22	1.09	5.12	6.66	0.06	0.24	36
1800	1.15	5.22	1.02	5.33	1.03	5.33	0.93	5.22	0.72	5.02	1.12	5.12	6.74	0.10	0.23	50
1900	1.11	5.12	1.04	5.33	1.04	5.57	0.87	5.45	0.62	4.92	1.06	5.02	6.67	0.06	0.27	46
2000	1.09	4.92	0.99	5.02	0.92	4.74	0.77	4.83	0.61	4.49	0.96	4.57	6.49	0.09	0.27	35
2100	1.00	5.33	0.94	4.74	0.93	4.83	0.80	4.92	0.60	4.66	0.98	4.74	6.26	0.11	0.25	44
2200	1.03	4.66	0.89	5.22	0.90	5.45	0.74	4.57	0.50	4.74	0.89	5.12	6.01	0.07	0.23	54
2300	1.03	4.34	0.90	5.57	0.91	5.82	0.79	4.66	0.54	4.66	1.00	4.57	5.76	0.06	0.26	42
17 October 1986																
0	1.10	4.20	0.93	5.45	0.90	5.69	0.79	4.74	0.62	4.66	1.07	5.69	5.63	0.09	0.24	61
100	1.11	4.41	1.03	4.92	1.03	4.57	0.82	4.83	0.63	4.27	1.16	5.45	5.70	0.05	0.20	57
200	1.16	4.27	1.01	4.41	1.02	5.22	0.86	4.74	0.57	4.41	1.09	5.12	5.88	0.09	0.22	55
300	1.23	5.22	1.04	4.66	1.03	4.92	0.92	4.57	0.68	4.34	1.12	4.13	6.13	0.05	0.22	29
400	1.20	4.83	1.06	5.02	1.05	4.57	0.91	4.66	0.68	4.57	1.13	4.83	6.44	0.05	0.22	43
500	1.21	4.34	1.00	5.12	1.01	4.49	0.92	4.66	0.65	4.57	1.07	4.92	6.71	0.06	0.25	45
600	1.22	5.12	1.08	5.33	1.07	4.83	0.93	4.83	0.69	4.66	1.12	5.02	6.84	0.06	0.26	54
700	1.22	5.02	1.05	4.49	1.06	5.02	0.87	5.02	0.70	5.02	1.14	5.33	6.84	0.08	0.26	59
800	1.17	5.02	1.06	5.45	1.08	5.22	0.85	4.74	0.61	4.57	1.12	5.22	6.73	0.07	0.26	51
900	1.20	5.33	1.00	4.92	1.07	5.12	0.88	5.12	0.62	4.49	1.06	5.12	6.51	0.07	0.23	54
1000	1.12	5.22	1.00	5.82	1.03	5.57	0.80	4.41	0.61	4.92	1.10	5.22	6.20	0.08	0.26	54
1100	1.09	5.45	0.94	5.57	1.02	5.82	0.81	5.69	0.47	4.92	1.02	5.45	5.92	0.08	0.24	59
1200	1.09	5.82	1.00	5.82	0.97	5.69	0.72	4.49	0.49	3.77	1.07	5.95	5.72	0.08	0.19	62
1300	1.10	6.24	0.98	5.45	0.93	8.83	0.70	5.22	0.50	3.41	1.08	5.82	5.66	0.06	0.19	58
1400	1.08	5.45	0.96	5.95	1.01	5.95	0.73	5.82	0.43	3.82	1.11	6.09	5.76	0.08	0.15	63
1500	1.12	5.69	0.99	8.26	0.98	5.82	0.69	8.83	0.39	3.56	1.11	5.82	5.96	0.09	0.14	62
1600	1.14	8.53	1.07	8.00	1.01	8.00	0.73	7.76	0.47	4.66	1.10	8.53	6.22	0.08	0.16	78
1700	1.07	8.26	0.99	8.53	1.06	8.53	0.79	8.53	0.48	8.83	1.08	8.00	6.49	0.06	0.17	79
1800	1.09	8.26	0.98	8.53	1.01	8.53	0.77	8.53	0.49	8.83	1.07	8.26	6.68	0.05	0.19	79
1900	1.05	8.83	0.98	8.83	0.94	8.83	0.75	8.83	0.47	5.22	1.02	8.53	6.70	0.05	0.20	78
2000	0.90	8.83	0.90	8.26	0.89	8.83	0.67	8.83	0.44	3.77	0.96	8.26	6.60	0.07	0.18	76
2100	0.97	8.26	0.87	8.53	0.87	8.83	0.66	9.14	0.45	3.71	0.90	8.53	6.42	0.05	0.17	76
2200	0.99	9.48	0.92	8.83	0.88	9.14	0.66	8.83	0.43	3.37	0.96	9.14	6.20	0.08	0.17	77
2300	0.96	8.53	0.88	9.14	0.90	9.14	0.67	9.48	0.35	2.98	0.96	9.14	5.92	0.08	0.19	75
18 October 1986																
0	0.97	9.85	0.94	8.26	0.93	9.85	0.66	9.85	0.44	3.82	1.05	9.85	5.73	0.05	0.25	72

(Continued)

(Sheet 4 of 16)

Table E1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage: Pressure Sensor (621) Wave Height m	Pressure Sensor (621) Wave Period sec	Pressure Sensor (621) Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
100	1.01	9.14	1.05	9.48	1.01	9.48	0.70	9.48	0.48	10.24	1.10	9.14	5.71	0.03	0.20	72
200	1.08	9.48	0.95	8.83	0.94	9.85	0.69	9.48	0.44	3.71	1.07	9.14	5.83	0.06	0.17	74
300	1.11	8.26	1.04	8.83	1.03	8.53	0.73	8.53	0.48	3.66	1.12	9.48	6.04	0.05	0.16	75
400	1.27	9.14	1.03	8.83	1.02	9.85	0.79	9.14	0.57	3.71	1.19	8.53	6.33	0.04	0.21	74
500	1.42	4.20	1.09	8.83	1.10	8.53	0.93	4.00	0.65	4.34	1.24	8.83	6.66	0.05	0.24	76
600	1.53	4.41	1.24	9.48	1.22	9.48	1.01	4.27	0.73	4.34	1.36	8.83	6.87	0.07	0.29	81
700	1.53	4.83	1.25	9.85	1.25	9.48	1.09	9.48	0.76	4.66	1.30	9.85	6.97	0.05	0.28	74
800	1.56	4.92	1.27	9.14	1.25	4.83	1.11	4.92	0.86	5.02	1.37	9.48	6.96	0.07	0.30	77
900	1.47	5.22	1.32	5.12	1.36	5.12	1.17	5.33	0.97	5.12	1.45	5.02	6.80	0.08	0.33	30
1000	1.60	5.12	1.30	4.92	1.31	5.02	1.12	5.12	0.95	5.02	1.41	5.33	6.54	0.07	0.35	38
1100	1.50	4.92	1.21	5.33	1.24	5.12	1.13	5.12	0.94	4.74	1.42	5.33	6.27	0.07	0.36	38
1200	1.45	5.82	1.32	5.57	1.29	5.12	1.11	5.12	0.85	5.45	1.42	5.12	6.02	0.07	0.38	37
1300	1.44	5.12	1.26	9.14	1.30	4.92	1.11	5.22	0.85	5.22	1.43	5.45	5.89	0.06	0.39	42
1400	1.68	4.74	1.39	5.33	1.43	5.12	1.22	4.92	0.91	5.22	1.49	5.12	5.96	0.07	0.40	34
1500	1.87	5.12	1.66	5.22	1.65	5.12	1.46	5.45	1.09	5.33	1.88	5.69	6.10	0.07	0.40	46
1600	1.93	6.09	1.75	6.09	1.78	5.82	1.58	5.82	1.23	5.82	1.95	6.09	6.31	0.07	0.44	48
1700	2.23	6.24	1.79	5.82	1.93	6.56	1.69	5.69	1.26	6.24	2.08	6.24	6.54	0.08	0.43	52
1800	2.12	6.24	1.98	6.74	1.98	6.92	1.70	5.95	1.32	6.40	2.18	5.95	6.77	0.08	0.44	44
1900	2.21	6.92	2.03	6.74	1.99	6.92	1.74	6.56	1.40	6.40	2.35	6.74	6.90	0.09	0.43	53
2000	2.33	6.56	1.99	6.56	2.00	6.92	1.69	6.92	1.38	6.74	2.26	7.11	6.88	0.09	0.45	58
2100	2.41	7.76	2.07	7.76	2.13	6.92	1.83	6.74	1.36	6.74	2.41	7.11	6.77	0.09	0.45	55
2200	2.11	7.76	2.09	7.53	1.99	7.11	1.68	7.11	1.30	7.31	2.33	8.00	6.57	0.10	0.45	64
2300	2.23	6.24	2.07	8.83	2.02	7.76	1.67	7.76	1.21	7.76	2.26	7.53	6.32	0.10	0.44	61
19 October 1986																
0	2.12	8.53	1.91	8.83	1.89	9.14	1.61	5.69	1.15	7.53	2.15	7.53	6.08	0.08	0.42	59
100	2.36	8.53	1.99	8.26	1.97	8.00	1.66	5.45	1.11	6.56	2.28	8.26	5.97	0.08	0.43	61
200	2.31	7.53	2.05	8.26	2.12	8.26	1.75	5.82	1.12	6.40	2.34	8.83	5.99	0.09	0.43	64
300	2.41	6.09	2.22	9.14	2.13	8.83	1.79	9.14	1.19	9.48	2.45	8.83	6.09	0.08	0.44	66
400	2.47	9.85	2.29	9.14	2.35	10.24	1.89	9.85	1.29	9.85	2.50	9.48	6.29	0.09	0.42	65
500	2.23	9.85	2.08	9.14	2.12	9.14	1.74	9.14	1.35	6.09	2.29	9.85	6.60	0.09	0.39	67
600	2.15	9.48	1.98	9.85	2.02	10.24	1.69	9.85	1.28	5.45	2.34	9.85	6.87	0.09	0.38	67
700	2.27	6.09	2.05	9.85	2.04	9.48	1.73	10.67	1.41	6.56	2.29	9.85	7.05	0.09	0.39	66
800	2.27	5.95	1.95	10.67	2.01	10.67	1.75	5.69	1.45	6.09	2.25	10.24	7.11	0.09	0.44	65
900	2.33	5.69	2.06	11.13	2.11	11.13	1.83	11.13	1.40	6.24	2.39	11.13	6.98	0.09	0.42	70
1000	2.35	11.13	2.09	10.67	2.10	11.13	1.83	11.13	1.39	11.13	2.35	11.64	6.77	0.09	0.42	70
1100	2.35	6.09	2.03	11.13	2.01	11.64	1.72	11.64	1.37	11.64	2.43	11.64	6.51	0.09	0.46	72
1200	2.24	11.13	2.19	10.67	2.21	11.13	1.82	11.13	1.26	12.19	2.62	11.64	6.21	0.10	0.44	75
1300	2.32	11.13	2.20	11.64	2.12	11.64	1.72	11.64	1.19	11.13	2.53	11.64	5.99	0.09	0.47	75
1400	2.37	11.13	2.30	11.13	2.32	11.64	1.91	11.64	1.17	11.13	2.41	11.64	5.93	0.10	0.43	74
1500	2.37	10.67	2.27	11.13	2.19	11.64	1.73	11.64	1.16	11.64	2.46	11.13	5.98	0.11	0.41	75
1600	2.19	10.67	2.16	11.13	2.14	11.13	1.75	11.13	1.19	11.13	2.34	10.67	6.09	0.09	0.36	71
1700	2.09	10.67	2.06	11.13	2.03	11.13	1.60	11.13	1.26	11.13	2.24	10.67	6.28	0.09	0.31	73
1800	1.99	10.24	1.91	11.13	1.85	11.13	1.48	10.67	1.19	10.67	2.09	11.13	6.52	0.07	0.27	72
1900	1.88	8.53	1.82	11.13	1.88	10.24	1.45	11.13	1.12	11.64	2.13	11.13	6.70	0.07	0.25	75
2000	1.73	6.40	1.72	11.13	1.71	11.13	1.39	11.13	1.08	11.13	1.89	10.67	6.76	0.07	0.23	71
2100	1.64	11.13	1.61	10.67	1.60	10.67	1.27	10.67	1.04	10.67	1.80	11.13	6.68	0.07	0.22	74
2200	1.58	8.00	1.56	8.83	1.53	6.92	1.19	10.67	0.92	10.67	1.75	11.13	6.53	0.06	0.25	76
2300	1.51	11.13	1.48	11.13	1.46	11.13	1.15	11.13	0.89	11.13	1.55	11.13	6.30	0.07	0.30	75
20 October 1986																
0	1.43	10.67	1.39	10.67	1.38	10.67	1.03	10.67	0.78	11.13	1.54	10.67	6.05	0.05	0.24	73
100	1.38	9.14	1.36	10.67	1.32	10.67	1.01	10.67	0.73	10.67	1.52	10.67	5.89	0.04	0.21	73
200	1.43	10.67	1.33	10.67	1.32	10.24	1.00	10.67	0.77	4.74	1.51	10.24	5.85	0.02	0.19	73
300	1.51	10.24	1.32	9.85	1.36	10.24	1.01	10.67	0.73	4.66	1.47	10.67	5.92	0.06	0.17	71
400	1.45	10.24	1.33	10.24	1.35	9.85	1.02	9.85	0.73	4.34	1.50	9.85	6.09	0.03	0.13	71
500	1.38	10.67	1.28	10.24	1.31	10.67	1.02	9.85	0.76	4.49	1.52	9.85	6.32	0.04	0.11	72
600	1.40	9.85	1.36	10.67	1.37	10.67	1.02	10.67	0.78	10.67	1.53	9.85	6.59	0.04	0.07	77
700	1.41	9.85	1.41	10.24	1.46	10.24	1.10	10.24	0.80	10.24	1.47	9.85	6.82	0.05	0.07	74
800	1.49	10.24	1.36	10.24	1.36	9.48	1.09	9.85	0.79	5.12	1.42	10.24	6.95	0.07	0.10	74
900	1.40	10.24	1.32	9.48	1.37	10.24	1.08	10.67	0.76	4.41	1.47	10.67	6.91	0.06	0.14	73
1000	1.53	9.48	1.41	10.24	1.37	10.24	1.12	10.24	0.86	4.57	1.57	10.67	6.76	0.08	0.21	73
1100	1.46	10.24	1.36	10.67	1.35	9.85	1.04	9.85	0.82	5.22	1.52	9.85	6.54	0.08	0.27	75
1200	1.42	10.67	1.34	10.24	1.41	10.24	1.14	10.24	0.88	4.57	1.49	10.67	6.27	0.08	0.28	73
1300	1.49	10.67	1.28	10.24	1.32	9.85	1.03	10.67	0.79	4.57	1.44	10.67	6.01	0.08	0.26	72
1400	1.38	9.85	1.30	9.85	1.29	10.24	0.99	10.24	0.77	4.20	1.49	10.67	5.88	0.08	0.22	74
1500	1.35	9.48	1.25	10.67	1.28	10.67	1.00	10.24	0.70	4.83	1.39	11.13	5.89	0.08	0.26	71
1600	1.30	9.85	1.22	10.67	1.22	10.24	0.93	9.48	0.72	4.57	1.53	10.24	5.94	0.07	0.24	74
1700	1.34	9.85	1.28	10.67	1.29	11.13	0.99	11.64	0.72	11.13	1.45	11.13	6.07	0.07	0.23	70
1800	1.24	11.13	1.21	11.64	1.25	10.67	0.96	11.13	0.73	10.67	1.46	10.67	6.28	0.06	0.23	71
1900	1.21	10.67	1.20	10.67	1.21	11.64	0.96	11.64	0.70	11.64	1.35	11.13	6.47	0.07	0.22	71
2000	1.20	10.67	1.23	10.67	1.21	11.13	0.95	11.13	0.67	11.13	1.31	11.13	6.59	0.07	0.23	74
2100	1.19	10.67	1.20	11.13	1.24	11.64	0.95	11.64	0.67	11.64	1.25	12.19	6.59	0.09	0.24	76

(Continued)

(Sheet 5 of 16)

Table E1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
2200	1.12	11.64	1.13	11.13	1.17	11.13	0.95	11.64	0.68	11.64	1.50	11.64	6.51	0.07	0.23	76
2300	1.22	11.13	1.11	11.64	1.18	11.13	0.91	11.64	0.71	11.64	1.33	11.64	6.31	0.05	0.18	74
							21 October 1986									
0	1.19	11.13	1.17	11.64	1.08	11.13	0.84	11.13	0.68	11.13	1.35	11.13	6.13	0.07	0.20	79
100	1.11	11.64	1.11	11.13	1.08	11.13	0.83	11.13	0.58	11.64	1.27	11.13	5.95	0.07	0.14	74
200	1.18	11.13	1.08	11.64	1.13	11.64	0.84	11.64	0.58	11.64	1.33	11.13	5.82	0.06	0.13	78
300	1.14	10.67	1.25	10.67	1.18	11.13	0.89	11.13	0.67	11.64	1.26	10.67	5.83	0.05	0.11	73
400	1.11	11.13	1.10	11.13	1.12	11.13	0.84	11.13	0.50	11.13	1.22	10.67	5.95	0.05	0.11	73
500	1.06	10.24	1.11	10.67	1.14	10.67	0.82	10.67	0.61	10.67	1.24	10.67	6.12	0.06	0.10	77
600	1.09	10.67	1.07	10.24	1.13	10.24	0.84	10.67	0.63	10.67	1.17	10.67	6.34	0.04	0.09	76
700	1.11	9.14	1.02	9.85	1.03	10.67	0.84	10.67	0.60	10.67	1.13	10.24	6.60	0.00	0.02	73
800	1.11	8.53	1.07	10.67	1.05	9.85	0.81	10.67	0.57	10.67	1.10	9.85	6.80	0.02	0.04	78
900	1.11	10.24	0.98	10.67	1.04	11.13	0.84	11.13	0.59	11.13	1.11	9.85	6.84	0.03	0.08	73
1000	1.16	9.85	1.02	10.67	1.06	11.13	0.86	11.13	0.56	11.13	1.13	10.24	6.76	0.07	0.09	73
1100	1.00	11.13	1.01	11.64	0.96	11.64	0.77	11.64	0.58	11.64	1.14	10.67	6.60	0.06	0.06	75
1200	1.02	10.24	0.98	11.13	1.04	10.67	0.79	10.67	0.57	10.67	1.12	10.24	6.39	0.09	0.06	73
1300	1.08	11.13	0.99	11.13	0.99	11.13	0.78	11.64	0.56	12.19	1.21	11.13	6.13	0.11	0.08	71
1400	1.07	11.13	0.99	11.64	1.04	11.13	0.79	11.13	0.48	11.13	1.08	10.24	5.94	0.11	0.12	74
1500	0.99	11.64	0.99	11.13	1.04	11.64	0.80	11.64	0.52	12.19	1.11	11.13	5.88	0.09	0.15	72
1600	0.98	11.13	0.95	11.64	0.91	10.67	0.70	12.19	0.44	11.64	1.10	11.64	5.89	0.09	0.15	73
1700	1.05	9.14	0.93	10.24	0.95	11.64	0.71	11.64	0.47	12.19	1.12	9.85	5.97	0.10	0.13	73
1800	1.02	10.67	0.96	11.13	1.00	11.13	0.76	11.13	0.55	11.13	1.09	8.83	6.14	0.06	0.15	76
1900	1.10	10.24	0.98	11.64	0.99	12.19	0.74	12.19	0.57	11.64	1.18	11.13	6.32	0.05	0.11	69
2000	1.08	11.13	0.99	10.24	0.92	9.85	0.72	10.24	0.55	10.24	1.10	11.13	6.49	-0.02	0.10	73
2100	0.99	11.64	0.95	11.64	0.92	10.24	0.73	10.67	0.54	10.67	1.19	11.64	6.54	0.02	0.10	76
2200	1.09	11.64	0.96	9.85	0.98	11.64	0.76	11.64	0.54	11.64	1.11	11.13	6.54	0.06	0.10	71
2300	0.94	11.64	1.01	11.64	0.97	12.19	0.76	11.64	0.56	12.19	1.06	11.64	6.38	0.06	0.10	70
							22 October 1986									
0	1.00	11.64	0.87	11.64	0.96	11.64	0.72	11.13	0.54	11.64	1.03	11.64	6.22	0.06	0.10	72
100	0.92	11.13	0.89	10.67	0.88	11.13	0.68	11.64	0.44	12.19	0.95	10.67	6.05	0.05	0.10	77
200	0.86	11.64	0.90	11.13	0.87	11.64	0.65	11.64	0.39	12.19	0.99	11.13	5.89	0.03	0.08	72
300	0.93	11.13	0.89	11.13	0.89	12.19	0.67	12.19	0.43	12.19	0.95	11.64	5.81	0.01	0.05	71
400	0.92	11.64	0.91	11.13	0.92	11.64	0.69	11.13	0.50	12.80	1.02	10.67	5.84	0.00	0.02	73
500	0.91	11.13	0.94	11.13	0.89	12.19	0.67	12.19	0.46	12.19	1.10	12.19	5.96	-0.01	0.00	71
600	0.90	12.19	0.91	11.64	0.85	12.19	0.66	12.19	0.50	12.19	1.00	11.64	6.09	-0.01	-0.04	69
700	0.91	12.19	0.86	12.19	0.90	12.19	0.66	12.80	0.47	12.80	0.96	11.64	6.33	-0.03	-0.09	71
800	0.90	11.64	0.83	11.64	0.91	11.64	0.69	11.64	0.46	11.64	1.06	11.64	6.55	-0.01	-0.10	70
900																
1000																
1100																
1200																
1300																
1400																
1500																
1600																
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200																
300																
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600																
700																
800	0.77	10.67	0.71	11.64	0.72	11.13	0.58	11.13	0.43	11.13	0.84	11.13	6.36	0.01	-0.16	76
900	0.81	11.13	0.72	11.13	0.74	11.64	0.59	11.13	0.41	12.19	0.81	11.13	6.56	0.00	-0.14	79
1000	0.78	11.13	0.76	10.67	0.83	11.13	0.62	11.64	0.42	12.80	0.82	11.64	6.61	0.00	-0.12	77
1100	0.69	11.64	0.74	11.13	0.75	12.19	0.56	12.19	0.38	12.80	0.80	11.64	6.59	0.00	-0.13	75
1200	0.71	11.64	0.73	11.13	0.70	11.13	0.56	11.13	0.39	11.64	0.77	11.13	6.47	0.01	-0.11	76
1300	0.67	11.13	0.70	11.13	0.74	11.64	0.58	11.64	0.40	11.64	0.73	12.19	6.28	0.02	-0.11	80
1400	0.72	11.64	0.66	11.13	0.71	11.13	0.57	10.67	0.35	11.13	0.69	10.67	6.10	0.02	-0.12	76
1500	0.73	11.64	0.63	10.67	0.62	11.13	0.49	11.13	0.25	11.64	0.78	12.19	5.94	0.01	-0.12	77
1600	0.74	11.64	0.71	10.67	0.70	11.13	0.55	11.13	0.33	11.13	0.79	11.64	5.82	0.01	-0.13	77
1700	0.74	11.13	0.69	11.64	0.70	11.13	0.55	11.13	0.36	11.13	0.82	11.13	5.79	0.03	-0.17	77
1800	0.70	10.67	0.65	10.67	0.59	11.13	0.48	11.13	0.33	11.13	0.74	11.13	5.82	0.09	-0.16	75

(Continued)

(Sheet 6 of 16)

Table E1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage: Pressure Sensor (621) Wave Height m	Pressure Sensor (621) Wave Period sec	Pressure Sensor (621) Depth m	Current U (679) m/sec	Current V (689) m/sec	Wave Dir (21) deg
1900	0.78	10.24	0.70	10.67	0.64	11.64	0.49	11.64	0.28	12.19	0.75	10.67	5.87	0.06	-0.13	75
2000	0.73	11.13	0.64	10.67	0.64	11.13	0.48	11.13	0.26	11.13	0.67	11.13	6.01	0.05	-0.16	77
2100	0.66	11.13	0.61	9.48	0.61	11.13	0.49	11.64	0.33	9.85	0.66	10.24	6.17	0.05	-0.17	75
2200	0.63	11.13	0.59	10.67	0.57	11.64	0.46	11.64	0.33	11.64	0.69	11.13	6.27	0.04	-0.15	73
2300	0.65	10.24	0.58	10.67	0.55	11.64	0.44	11.64	0.33	11.64	0.64	11.13	6.26	0.01	-0.09	77
24 October 1986																
0	0.66	10.67	0.56	10.67	0.54	10.67	0.42	10.67	0.29	10.67	0.66	10.67	6.20	0.01	-0.03	71
100	0.64	10.67	0.52	10.24	0.53	11.64	0.41	11.64	0.28	11.13	0.55	11.64	6.12	0.03	-0.05	74
200	0.57	10.67	0.48	11.64	0.58	10.67	0.42	11.64	0.22	12.19	0.52	10.67	6.00	0.04	-0.05	73
300	0.58	10.24	0.52	10.67	0.52	10.67	0.38	10.67	0.19	10.67	0.56	11.64	5.88	0.04	-0.04	76
400	0.58	11.64	0.52	11.13	0.55	11.13	0.41	11.64	0.25	11.13	0.58	10.67	5.81	0.04	-0.04	75
500	0.60	11.64	0.56	10.67	0.52	11.13	0.41	11.13	0.25	11.13	0.64	11.13	5.79	0.04	-0.04	72
600	0.53	10.67	0.51	11.13	0.59	11.13	0.46	11.13	0.24	11.13	0.58	11.13	5.85	0.02	-0.06	74
700	0.57	10.67	0.53	10.67	0.55	10.67	0.42	11.13	0.20	12.19	0.54	11.13	5.97	0.03	-0.08	74
800																
900																
1000	0.62	11.13	0.60	11.13	0.63	11.64	0.53	11.64	0.44	12.19	0.54	11.64	6.57	0.08	-0.04	77
1100	0.64	10.67	0.63	11.64	0.65	11.13	0.53	11.13	0.42	11.13	0.58	11.64	6.62	0.09	-0.02	80
1200	0.67	10.67	0.65	11.13	0.68	11.13	0.57	11.13	0.44	3.16	0.56	11.64	6.58	0.10	-0.01	75
1300	0.60	11.13	0.67	11.64	0.66	11.13	0.53	11.13	0.43	3.05	0.61	11.13	6.48	0.10	0.02	72
1400	0.65	10.67	0.65	11.13	0.62	10.24	0.53	10.24	0.46	3.08	0.66	12.19	6.35	0.10	0.03	76
1500	0.74	11.13	0.69	11.13	0.67	11.13	0.58	11.64	0.50	3.51	0.73	10.67	6.22	0.08	0.02	70
1600	0.71	11.13	0.69	11.13	0.68	11.64	0.58	11.64	0.45	3.77	0.70	11.64	6.07	0.07	0.03	77
1700	0.73	10.24	0.75	11.13	0.75	11.13	0.62	11.13	0.51	3.94	0.69	10.67	5.98	0.06	0.03	72
1800	0.83	11.13	0.78	10.67	0.80	4.00	0.69	4.20	0.58	4.13	0.83	11.13	5.99	0.05	0.04	77
1900	0.92	4.13	0.91	10.67	0.91	10.67	0.79	4.41	0.70	4.34	0.87	11.13	6.03	0.07	0.07	75
2000	1.11	4.57	1.10	4.49	1.02	4.66	0.92	4.34	0.84	4.41	1.14	4.57	6.11	0.06	0.09	41
2100	1.20	5.02	1.12	4.92	1.18	4.83	0.98	4.66	0.87	4.83	1.32	4.92	6.26	0.07	0.10	50
2200	1.33	5.22	1.22	4.92	1.23	5.33	1.04	5.02	0.89	5.02	1.31	5.12	6.41	0.07	0.11	54
2300	1.26	5.12	1.16	5.22	1.28	5.22	1.02	5.33	0.88	5.12	1.36	5.12	6.50	0.08	0.13	52
25 October 1986																
0	1.24	5.22	1.20	5.22	1.21	5.33	1.01	5.12	0.88	5.12	1.29	5.22	6.49	0.09	0.15	53
100	1.30	5.12	1.21	5.33	1.19	5.12	0.98	5.02	0.88	5.12	1.35	5.02	6.48	0.08	0.16	51
200	1.28	5.57	1.23	5.33	1.32	5.22	1.01	5.33	0.86	5.12	1.34	5.12	6.39	0.08	0.17	52
300	1.34	5.82	1.25	5.45	1.26	5.57	1.04	5.57	0.85	5.33	1.38	5.45	6.28	0.08	0.17	58
400	1.40	5.57	1.28	5.69	1.27	5.57	1.04	5.45	0.84	5.45	1.36	5.57	6.16	0.09	0.16	54
500	1.39	5.82	1.27	5.82	1.29	5.82	1.03	5.69	0.84	5.22	1.31	5.82	6.07	0.08	0.13	53
600	1.32	5.69	1.26	5.69	1.24	5.82	1.02	5.69	0.85	5.82	1.36	5.69	6.05	0.08	0.11	54
700	1.34	5.82	1.25	6.09	1.25	5.95	1.05	5.69	0.86	5.33	1.27	5.57	6.13	0.06	0.09	53
800	1.40	5.95	1.21	5.69	1.28	5.82	1.02	5.45	0.89	4.92	1.33	5.57	6.23	0.05	0.06	48
900	1.31	6.09	1.25	5.69	1.22	5.82	0.99	5.82	0.91	5.82	1.32	5.82	6.36	0.05	0.03	51
1000	1.27	5.82	1.20	5.69	1.20	5.57	1.03	5.69	0.90	5.33	1.28	5.69	6.51	0.04	0.03	52
1100	1.22	5.82	1.14	5.69	1.20	5.69	0.94	5.45	0.78	5.45	1.18	5.69	6.63	0.04	0.05	52
1200	1.23	5.69	1.13	5.69	1.15	5.57	0.94	5.69	0.79	5.45	1.09	5.69	6.67	0.04	0.08	55
1300	1.15	5.57	1.13	5.69	1.12	5.69	0.95	5.69	0.88	5.57	1.17	5.57	6.61	0.06	0.09	54
1400	1.26	4.92	1.21	5.57	1.20	5.82	1.01	5.69	0.90	5.69	1.24	5.57	6.55	0.08	0.09	53
1500	1.38	5.69	1.28	4.27	1.27	4.92	1.07	5.22	0.94	5.45	1.42	5.33	6.44	0.09	0.10	55
1600	1.35	5.45	1.26	4.92	1.31	5.45	1.07	5.22	0.91	5.57	1.46	5.45	6.30	0.06	0.09	55
1700	1.40	4.83	1.27	5.12	1.30	5.22	1.04	5.22	0.88	5.33	1.43	5.45	6.14	0.06	0.10	60
1800	1.41	5.57	1.24	5.22	1.25	4.92	1.01	4.83	0.86	4.27	1.36	5.33	6.07	0.07	0.09	61
1900	1.43	5.02	1.27	5.33	1.25	5.22	1.05	4.83	0.75	3.77	1.38	5.12	6.03	0.06	0.06	73
2000	1.30	5.02	1.20	5.22	1.23	5.02	0.98	4.92	0.68	5.22	1.26	5.22	6.05	0.05	0.02	75
2100	1.25	5.22	1.17	4.92	1.18	5.22	0.95	4.74	0.68	3.20	1.19	5.45	6.15	0.04	0.00	64
2200	1.17	5.02	1.07	5.57	1.09	5.45	0.86	5.02	0.71	5.12	1.18	5.57	6.30	0.04	0.00	71
2300	1.06	5.22	1.00	4.66	1.06	5.45	0.86	4.66	0.65	4.74	1.08	5.22	6.41	0.10	0.00	71
26 October 1986																
0	1.18	4.92	1.03	5.69	1.05	5.02	0.81	5.22	0.64	5.02	1.06	4.83	6.47	0.09	-0.01	72
100	1.21	5.22	1.11	5.45	1.10	5.12	0.90	5.82	0.68	6.56	1.18	4.83	6.49	0.09	-0.01	85
200	1.19	5.45	1.14	6.24	1.07	5.69	0.94	5.95	0.71	6.40	1.13	5.69	6.44	0.06	-0.02	92
300	1.17	6.09	1.07	5.82	1.09	6.24	0.91	6.09	0.70	6.74	1.10	6.24	6.36	0.04	0.00	89
400	1.15	6.56	1.08	6.56	1.05	6.92	0.93	6.74	0.69	6.74	1.11	6.92	6.23	0.01	0.06	93
500	1.15	6.74	1.02	6.92	1.01	6.74	0.89	6.40	0.57	6.74	1.03	6.56	6.11	0.00	0.07	96
600	1.13	6.56	0.97	5.95	0.89	6.09	0.74	5.95	0.47	6.09	0.95	6.56	6.03	0.00	0.05	90
700	1.06	6.24	0.91	6.74	0.95	6.56	0.73	5.95	0.45	6.40	0.91	6.40	6.03	0.01	0.04	90
800	1.14	6.74	0.94	6.92	0.96	6.09	0.74	5.69	0.49	5.95	0.95	6.56	6.09	0.01	0.02	86
900	1.17	6.40	0.92	6.56	0.96	5.95	0.79	5.95	0.55	6.09	1.00	6.56	6.17	0.00	-0.01	86
1000	1.16	5.69	0.98	6.09	0.95	7.11	0.72	6.24	0.55	6.09	1.04	6.56	6.31	0.02	-0.07	87
1100	1.07	6.09	0.91	6.56	0.88	5.69	0.72	5.69	0.50	5.69	0.94	6.24	6.44	0.02	-0.12	89
1200	0.98	6.56	0.85	5.95	0.87	6.09	0.74	6.09	0.49	5.57	0.88	6.09	6.54	0.01	-0.11	92
1300	1.08	5.95	0.86	6.40	0.86	6.40	0.70	6.40	0.52	5.82	0.86	6.56	6.53	-0.01	-0.09	88
1400	1.12	5.95	0.87	5.95	0.90	6.40	0.73	6.40	0.52	5.95	0.89	5.95	6.53	0.01	-0.08	99
1500	1.09	5.95	0.82	6.40	0.80	6.09	0.70	5.95	0.49	5.95	0.87	6.24	6.43	0.03	-0.06	97

(Continued)

(Sheet 7 of 16)

Table E1 (Continued)

Time EST	Offshore Waverider (630) Height m	Offshore Waverider (630) Period sec	Nearshore Waverider (640) Height m	Nearshore Waverider (640) Period sec	1900 Baylor Gage (625) Height m	1900 Baylor Gage (625) Period sec	1420 Baylor Gage (675) Height m	1420 Baylor Gage (675) Period sec	780 Baylor Gage (645) Height m	780 Baylor Gage (645) Period sec	Current/Pressure Gage Pressure Sensor (621) Wave Height m	Current/Pressure Gage Pressure Sensor (621) Wave Period sec	Current/Pressure Gage Pressure Sensor (621) Depth m	Current/Pressure Gage Current U (679) m/sec	Current/Pressure Gage Current V (689) m/sec	Current/Pressure Gage Wave Dir (21) deg
1600	1.02	5.69	0.77	6.24	0.74	6.24	0.67	5.82	0.46	6.24	0.86	6.24	6.30	0.03	-0.06	92
1700	1.05	6.24	0.76	6.09	0.72	6.56	0.65	5.95	0.43	6.56	0.79	6.09	6.11	0.03	-0.06	94
1800	0.97	6.24	0.76	6.56	0.73	8.26	0.65	6.56	0.35	6.56	0.77	6.56	5.97	0.03	-0.06	92
1900	0.99	6.09	0.73	7.31	0.74	6.40	0.60	6.74	0.31	6.74	0.74	6.09	5.88	0.03	-0.06	95
2000	1.02	6.24	0.71	6.92	0.72	7.31	0.61	6.56	0.33	6.24	0.74	7.53	5.86	0.02	-0.06	81
2100	1.01	6.24	0.70	6.56	0.72	6.24	0.60	6.92	0.31	6.92	0.78	7.11	5.91	0.02	-0.06	83
2200	0.97	7.31	0.71	7.31	0.69	6.24	0.60	5.95	0.36	6.56	0.74	7.11	6.03	0.01	-0.07	85
2300	0.93	6.56	0.72	7.53	0.70	7.76	0.63	6.56	0.46	5.95	0.75	6.92	6.15	0.01	-0.06	87
							27 October 1986									
0	0.95	6.92	0.75	7.31	0.73	6.92	0.67	6.40	0.47	6.40	0.76	6.74	6.29	0.00	-0.04	99
100	0.94	6.56	0.77	8.00	0.74	6.92	0.66	6.92	0.46	6.92	0.83	7.11	6.38	0.00	-0.05	84
200	1.00	6.74	0.72	6.92	0.71	8.26	0.62	8.26	0.43	6.74	0.78	7.76	6.39	0.01	-0.03	90
300	0.94	7.31	0.75	7.53	0.70	8.00	0.62	7.11	0.44	7.53	0.79	7.76	6.36	0.01	-0.02	91
400	0.89	8.00	0.72	8.00	0.69	7.31	0.62	7.11	0.44	7.76	0.78	8.53	6.28	0.02	-0.02	87
500	0.92	7.53	0.69	6.92	0.66	7.53	0.55	7.31	0.42	6.92	0.71	8.00	6.14	0.03	-0.02	83
600	0.83	7.53	0.64	7.53	0.64	8.00	0.55	6.74	0.34	7.11	0.67	7.53	6.00	0.03	-0.03	93
700	0.89	7.11	0.65	6.92	0.65	7.53	0.55	8.00	0.29	6.92	0.70	8.00	5.92	0.03	-0.04	87
800	0.83	7.11	0.62	6.92	0.62	7.31	0.54	6.92	0.31	7.11	0.70	7.76	5.92	0.02	-0.05	85
900	0.89	7.31	0.62	7.53	0.62	7.53	0.50	6.92	0.27	6.40	0.65	7.11	5.97	0.02	-0.08	91
1000	0.79	6.40	0.61	7.76	0.62	7.11	0.55	6.92	0.36	7.11	0.64	7.11	6.07	0.02	-0.10	94
1100	0.85	7.11	0.60	7.31	0.59	8.00	0.57	7.53	0.42	7.31	0.70	6.92	6.22	0.03	-0.11	96
1200	0.81	7.53	0.63	7.31	0.59	7.11	0.50	7.31	0.38	6.74	0.68	8.26	6.37	0.03	-0.10	89
1300	0.83	8.26	0.62	7.11	0.59	7.76	0.52	7.76	0.38	7.31	0.66	8.00	6.48	0.03	-0.09	95
1400	0.73	7.53	0.55	7.11	0.54	7.53	0.49	7.53	0.36	8.00	0.61	7.76	6.52	0.04	-0.09	93
1500	0.72	6.92	0.50	6.92	0.48	8.26	0.44	8.53	0.32	7.31	0.56	7.11	6.49	0.05	-0.08	102
1600	0.67	7.31	0.47	8.00	0.51	8.26	0.41	7.53	0.31	7.53	0.52	7.76	6.44	0.05	-0.07	99
1700	0.62	8.26	0.46	8.83	0.48	8.26	0.41	7.76	0.29	7.76	0.53	7.53	6.30	0.04	-0.03	91
1800	0.61	6.74	0.43	7.53	0.42	7.11	0.36	6.92	0.29	7.76	0.49	7.31	6.11	0.07	-0.02	97
1900	0.59	7.31	0.42	8.00	0.44	7.76	0.36	8.26	0.19	6.92	0.46	7.11	5.94	0.08	-0.02	94
2000	0.60	7.11	0.41	8.00	0.42	7.53	0.34	8.00	0.18	6.74	0.45	8.83	5.88	0.03	0.03	75
2100	0.61	7.31	0.41	8.83	0.44	8.53	0.35	8.83	0.17	8.83	0.42	8.26	5.90	0.00	0.02	88
2200	0.57	7.11	0.40	8.00	0.42	8.53	0.33	8.53	0.17	8.26	0.42	8.00	5.97	0.01	0.04	84
2300	0.52	8.26	0.39	8.53	0.38	8.26	0.33	8.26	0.24	8.26	0.41	7.76	6.10	0.02	0.04	89
							28 October 1986									
0	0.49	7.53	0.35	8.83	0.38	8.00	0.32	7.76	0.23	7.76	0.43	7.76	6.27	0.03	0.04	91
100	0.48	8.26	0.36	7.53	0.37	7.76	0.29	7.76	0.20	8.00	0.38	8.26	6.44	0.04	0.05	89
200	0.46	7.11	0.33	9.14	0.33	7.53	0.28	7.53	0.20	7.76	0.39	8.00	6.51	0.05	0.06	84
300	0.49	8.00	0.35	8.26	0.34	8.26	0.29	8.26	0.19	8.53	0.38	8.00	6.57	0.05	0.08	90
400	0.51	7.11	0.36	7.76	0.36	8.00	0.29	8.26	0.19	7.76	0.35	8.26	6.55	0.06	0.10	89
500	0.54	6.92	0.40	8.53	0.37	8.83	0.30	7.53	0.22	8.00	0.34	8.53	6.42	0.08	0.11	90
600	0.55	7.53	0.39	9.14	0.38	8.00	0.32	8.00	0.27	7.53	0.36	8.53	6.28	0.08	0.17	88
700	0.53	8.83	0.40	8.26	0.39	7.11	0.36	8.83	0.32	2.94	0.39	9.48	6.16	0.05	0.16	87
800	0.53	7.53	0.42	8.83	0.42	8.26	0.35	8.26	0.25	2.88	0.38	8.26	6.05	0.04	0.15	89
900	0.55	7.31	0.45	8.00	0.45	8.83	0.37	7.76	0.28	2.98	0.37	3.08	6.01	0.04	0.12	9
1000	0.62	8.00	0.47	8.83	0.47	9.48	0.40	9.14	0.32	2.84	0.46	7.31	6.09	0.05	0.12	92
1100	0.68	3.71	0.53	7.53	0.53	8.00	0.48	3.41	0.50	3.41	0.58	3.24	6.23	0.06	0.14	16
1200	0.82	3.77	0.62	4.00	0.62	4.00	0.55	3.88	0.60	4.13	0.65	3.51	6.41	0.11	0.13	26
1300	0.89	4.20	0.72	3.94	0.74	4.41	0.68	4.34	0.69	4.13	0.77	4.34	6.55	0.09	0.16	22
1400	0.86	4.20	0.73	4.41	0.74	4.34	0.69	4.34	0.64	4.57	0.73	4.13	6.69	0.06	0.17	16
1500	0.79	4.27	0.67	4.27	0.68	4.57	0.62	4.74	0.57	4.13	0.64	4.00	6.74	0.07	0.15	17
1600	0.74	4.83	0.62	4.92	0.60	5.02	0.57	4.66	0.56	4.74	0.63	4.74	6.68	0.10	0.15	27
1700	0.70	4.57	0.58	4.83	0.57	4.49	0.51	4.92	0.55	4.57	0.65	4.66	6.59	0.10	0.14	33
1800	0.66	4.92	0.52	4.41	0.55	4.74	0.48	4.83	0.50	4.49	0.61	4.49	6.41	0.09	0.15	21
1900	0.62	4.74	0.50	4.83	0.50	4.49	0.47	4.92	0.42	4.57	0.56	4.74	6.18	0.08	0.14	32
2000	0.58	4.27	0.49	4.66	0.50	4.66	0.41	4.83	0.34	4.34	0.51	4.66	6.01	0.06	0.13	31
2100	0.57	4.20	0.44	4.49	0.45	4.66	0.38	4.34	0.35	4.27	0.49	4.74	5.91	0.06	0.11	42
2200	0.55	4.41	0.43	7.53	0.43	8.26	0.38	4.57	0.31	4.06	0.47	4.41	5.91	0.05	0.10	36
2300	0.48	4.00	0.42	7.31	0.42	8.26			0.25	4.00	0.45	8.83	5.98	0.06	0.07	73

(Continued)

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Table E1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Meteorological Conditions: Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
			6 October 1986			
1300			1015.3	20.0	12.12	14
1400	0.07	1.75	1015.4	19.8	12.46	11
1500	0.07	1.64	1015.9	19.8	10.84	12
1600	0.10	1.36	1016.4	19.7	9.69	12
1700	0.12	1.15	1016.7	19.1	7.80	6
1800	0.11	0.91	1017.2	18.3	5.75	344
1900	0.08	0.56	1018.1	18.2	5.47	349
2000	0.06	0.33	1018.6	17.4	4.74	341
2100	0.06	0.32	1019.1	18.7	9.08	6
2200	0.06	0.25	1019.6	18.7	7.60	5
2300	0.08	0.39	1019.8	18.5	8.68	17
			7 October 1986			
0	0.09	0.75	1020.1	18.2	8.61	23
100	0.09	0.90	1020.3	18.1	8.36	38
200	0.07	0.88	1020.2	17.8	7.79	36
300	0.09	0.77	1020.7	17.5	7.11	39
400	0.06	0.71	1021.2	17.3	5.83	51
500	0.09	0.65	1021.8	17.3	5.16	44
600	0.11	0.61	1022.3	17.2	5.67	40
700	-0.44	-0.12	1023.4	17.2		
800	-0.26	-0.09	1023.9	18.2	4.30	29
900	-0.20	-0.08	1024.5	18.5	5.07	36
1000	-0.18	-0.08	1024.9	18.7	5.35	33
1100	-0.20	-0.09	1024.9	18.9	5.31	37
1200	0.08	0.20	1024.5	19.4	4.57	29
1300	0.08	0.26	1024.2	19.1	5.07	38
1400	0.10	0.38	1023.9	19.0	4.75	47
1500	0.07	0.42	1023.9	19.0	3.59	59
1600	0.08	0.39	1023.7	19.1	3.42	76
1700	0.09	0.41	1023.7	18.2	3.48	86
1800	0.11	0.49	1023.8	17.8	3.76	89
1900	0.10	0.39	1024.1	18.2	4.13	103
2000	0.11	0.28	1024.3	18.6	4.53	113
2100	0.09	0.16	1024.5	18.7	5.21	101
2200	0.08	0.11	1024.6	18.6	4.94	116
2300	0.07	0.09	1024.7	18.9	4.84	122
			8 October 1986			
0	0.10	0.12	1024.6	19.3	5.07	109
100	0.12	0.15	1024.8	19.5	5.16	98
200	0.16	0.22	1024.3	19.6	6.15	96
300	0.20	0.27	1024.0	19.8	6.68	92
400	0.19	0.13	1023.8	19.9	8.10	92
500	0.15	0.06	1023.9	20.1	7.70	97
600	0.06	-0.05	1024.3	20.3	7.94	101
700	0.06	-0.05	1024.6	21.0	7.05	100
800			1024.6	21.7	6.91	107
900	0.05	-0.07	1024.4	22.5	6.55	100
1000	0.05	-0.06	1024.4	23.1	5.81	114
1100	0.04	-0.06	1023.5	23.9	4.68	132
1200	0.04	-0.06	1023.0	24.6	6.01	168
1300						
1400						
1500						
1600			1022.0	24.4	4.15	172
1700	0.06	-0.06	1022.1	23.9	4.96	179
1800	0.06	-0.06	1022.1	22.9	3.87	181
1900	0.04	-0.09	1022.5	22.2	4.08	200
2000	0.05	-0.09	1022.6	21.6	3.04	191
2100	0.04	-0.11	1022.9	21.4	3.31	202
2200	0.04	-0.09	1022.8	21.3	2.11	232
2300	0.05	-0.09	1022.2	20.3	1.37	238
			9 October 1986			
0	0.05	-0.09	1021.7	20.4	1.04	178
100	0.05	-0.13	1021.5	20.1		
200	0.04	-0.20	1021.3	20.4		
300	0.00	-0.26	1021.2	20.8	0.41	127
400	0.04	-0.19	1021.2	20.9	0.75	122
500	0.00	-0.35	1021.2	21.4	2.86	61
600	0.02	-0.37	1021.2	21.5	3.29	51
700	0.01	-0.40	1020.9	21.8	4.30	52
800	0.02	-0.44	1021.3	22.0	3.75	66
900	0.02	-0.37	1021.1	22.6	4.53	72

(Continued)

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Table E1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Meteorological Conditions: Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
1000	0.03	-0.24	1020.4	23.3	3.35	90
1100	0.04	-0.15	1020.1	24.7	1.73	73
1200	0.04	-0.14	1019.4	24.3	3.21	61
1300	0.05	-0.11	1018.7	23.9	2.27	51
1400	0.04	-0.12	1018.9	23.2	4.05	347
1500	0.05	-0.11	1018.6	22.6	4.02	8
1600	0.03	-0.17	1018.4	22.0	3.27	355
1700	0.05	-0.09	1018.5	21.7	1.36	349
1800	0.04	-0.14	1018.5	21.6	0.41	348
1900	0.02	-0.17	1018.5	21.7	1.18	103
2000	0.02	-0.16	1018.5	21.6	0.41	105
2100	0.05	-0.08	1018.8	21.2	0.45	65
2200	0.04	-0.08	1019.1	21.2	0.69	7
2300	0.04	-0.06	1019.0	20.8	2.12	304
			10 October 1986			
0	0.03	-0.05	1018.9	20.9	3.25	295
100	0.03	-0.04	1019.0	20.8	4.36	309
200	0.04	-0.03	1018.5	20.5	3.82	316
300	0.04	-0.01	1018.6	20.6	3.89	320
400	0.03	0.06	1018.9	20.8	5.92	353
500	0.06	0.19	1019.3	20.3	12.64	23
600	0.07	0.74	1019.9	19.7	15.51	38
700	0.09	1.32	1021.0	19.7	15.23	39
800	0.13	1.61	1021.8	19.8	14.31	36
900	0.19	1.65	1021.9	19.9	14.29	34
1000	0.28	1.85	1022.1	19.8	14.19	34
1100	0.25	1.76	1021.9	20.0	13.73	54
1200	0.36	1.55	1021.8	19.8	13.85	51
1300	0.31	1.52	1021.3	19.4	14.04	50
1400	0.26	1.60	1021.7	19.0	14.04	51
1500	0.26	1.54	1021.8	18.8	13.95	54
1600	0.22	1.51	1021.6	18.6	15.10	55
1700	0.17	1.44	1021.9	18.8	15.08	52
1800	0.14	1.30	1022.3	18.8	15.10	53
1900	0.13	1.21	1022.6	19.0	15.62	51
2000	0.14	1.08	1023.0	19.2	15.48	54
2100	0.16	1.05	1023.3	19.0	14.90	59
2200	0.21	1.03	1023.5	18.8	15.54	54
2300	0.23	0.94	1023.3	18.7	15.58	53
			11 October 1986			
0	0.25	0.95	1022.9	18.7	15.44	52
100	0.26	0.88	1022.8	18.8	14.68	54
200	0.26	0.86	1022.5	18.5	14.59	51
300	0.26	0.68	1022.7	18.5	14.44	49
400	0.20	0.55	1022.9	18.4	13.90	50
500	0.15	0.48	1023.0	18.5	14.29	48
600	0.08	0.55	1023.5	18.6	14.43	49
700	0.11	0.52	1023.9	18.7	14.25	51
800	0.10	0.47	1024.4	18.9	14.52	50
900	0.11	0.46	1024.6	19.1	13.74	49
1000	0.16	0.49	1024.5	19.5	14.18	48
1100	0.23	0.45	1024.7	19.4	13.56	48
1200	0.25	0.38	1024.1	19.5	13.99	49
1300	0.27	0.46	1023.5	19.7	14.11	46
1400	0.26	0.42	1023.6	19.5	13.72	43
1500	0.27	0.39	1023.7	19.6	13.41	41
1600	0.21	0.28	1024.1	19.7	11.78	46
1700	0.16	0.16	1024.1	19.7	12.12	47
1800	0.08	0.06	1024.5	19.6	11.49	42
1900	0.06	0.04	1024.5	19.7	11.41	44
2000	0.01	-0.14	1024.3	19.7	10.78	49
2100	-0.01	-0.03	1024.2	19.7	10.40	46
2200	-0.03	-0.11	1024.1	19.8	10.21	48
2300	-0.01	-0.12	1024.0	19.7	9.29	52
			12 October 1986			
0	0.04	-0.13	1024.0	19.9	8.74	54
100	0.01	-0.19	1023.9	19.7	8.47	50
200	0.12	-0.15	1023.5	19.8	7.99	43
300	0.18	-0.58	1023.3	19.7	8.09	42
400	0.18	-0.41	1023.6	19.5	8.74	31
500	0.01	-0.17	1023.8	19.2	9.08	33
600	0.04	-0.12	1024.1	19.2	8.81	35

(Continued)

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Table E1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
			Meteorological Conditions			
700	-0.04	0.03	1024.3	19.4	9.47	29
800	-0.10	0.19	1024.4	19.7	9.98	33
900	-0.16	0.17	1025.0	19.8	8.50	28
1000	-0.04	0.20	1024.7	20.3	8.12	28
1100	-0.03	0.13	1024.3	20.5	8.41	35
1200	0.16	-0.21	1023.6	20.4	7.75	44
1300	0.05	-0.23	1023.2	20.9	6.20	37
1400	0.19	-0.29	1022.8	20.9	5.64	36
1500	0.14	-0.15	1023.0	20.9	4.76	23
1600	0.19	-0.17	1022.8	20.8	4.20	24
1700	0.20	-0.11	1023.1	19.8	4.82	8
1800	-0.03	0.09	1023.4	19.6	6.21	32
1900	0.02	0.37	1023.7	19.5	5.90	39
2000	-0.02	0.10	1023.7	19.5	5.81	60
2100	0.02	0.36	1023.8	19.4	5.63	69
2200	0.02	-0.04	1023.5	19.4	5.64	83
2300	0.07	-0.12	1023.2	19.4	4.24	87
			13 October 1986			
0	0.09	-0.01	1023.0	19.4	3.71	87
100	0.15	-0.15	1022.6	19.6	3.31	85
200	0.16	-0.05	1021.9	19.5	3.45	92
300	0.20	-0.23	1021.6	19.5	3.63	94
400	0.16	-0.13	1021.4	19.6	4.92	103
500	0.20	-0.30	1021.2	19.8	5.77	120
600	0.13	-0.15	1021.5	19.9	4.49	125
700	0.12	-0.25	1021.6	20.8	3.82	129
800	0.14	0.12	1021.7	21.8	4.52	129
900	0.06	-0.02	1021.6	23.0	4.73	135
1000	0.18	0.22	1021.2	23.5	4.80	137
1100	0.11	0.10	1020.7	24.1	5.26	136
1200	0.16	-0.24	1019.8	23.9	4.71	147
1300	0.18	-0.17	1018.7	24.1	5.32	140
1400	0.20	-0.32	1018.3	23.7	5.83	143
1500	0.20	-0.46	1018.0	23.5	6.70	141
1600	0.20	-0.40	1017.2	23.6	6.45	139
1700						
1800						
1900						
2000						
2100						
2200						
2300						
			14 October 1986			
0						
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000	0.12	-0.21	1012.0	24.7	7.08	229
1100	0.16	-0.51	1011.5	25.6	6.68	235
1200	0.18	-0.47	1010.9	23.5	9.16	252
1300	0.16	-0.48				
1400						
1500	0.08	-0.42	1011.0	22.8	6.56	216
1600	0.07	-0.34	1010.1	22.3	6.02	220
1700	0.07	-0.26	1010.2	22.0	7.03	234
1800	0.08	-0.27	1010.5	22.0	5.76	232
1900	0.10	-0.31	1011.5	22.0	5.93	230
2000						
2100						
2200						
2300						
			15 October 1986			
0						
100						
200						
300						

(Continued)

(Sheet 11 of 16)

Table E1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Meteorological Conditions: Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
			16 October 1986			
0						
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400	-0.06	0.92	1016.6	15.1	9.63	6
1500	-0.05	0.92	1016.7	15.1	8.74	4
1600	-0.02	0.67	1016.7	15.5	8.67	3
1700	0.00	0.45	1016.8	14.9	8.28	1
1800	0.01	0.35	1017.2	14.5	6.86	352
1900	0.02	0.26	1017.8	13.1	5.40	329
2000	0.01	0.28	1018.0	13.3	5.70	339
2100	-0.02	0.34	1018.2	12.9	4.60	338
2200	-0.05	0.46	1018.1	14.4	7.11	5
2300	-0.08	0.53	1018.0	14.5	8.41	14
			17 October 1986			
0	-0.10	0.64	1017.6	14.6	8.35	18
100	-0.09	0.58	1017.7	14.6	8.84	16
200	-0.09	0.56	1017.5	14.7	8.86	20
300	-0.06	0.51	1017.4	14.8	8.95	21
400	-0.02	0.41	1017.8	14.8	8.95	12
500	0.00	0.31	1018.1	14.8	8.48	20
600	0.02	0.29	1018.4	14.7	8.30	6
700	0.03	0.29	1018.7	15.0	7.51	7
800	0.01	0.30	1019.6	13.8	5.71	318
900	0.00	0.34	1019.8	15.4	4.80	321
1000	-0.05	0.42	1019.8	16.6	6.54	20
1100	-0.07	0.46	1019.9	17.2	6.13	12
1200	-0.10	0.49	1019.8	17.6	5.38	10
1300	-0.09	0.51	1019.6	17.5	4.50	6
1400	-0.09	0.48	1019.4	17.2	4.71	20
1500	-0.06	0.48	1019.9	17.0	4.60	23
1600	-0.03	0.33	1020.3	16.5	5.07	36
1700	0.01	0.23	1020.9	15.7	5.52	18
1800	0.02	0.16	1021.6	15.6	5.28	1
1900	0.00	0.21	1021.9	14.3	3.88	330
2000	0.04	0.17	1022.2	13.7	3.60	328
2100	-0.01	0.25	1023.1	13.9	3.60	323
2200	-0.04	0.29	1023.4	13.5	4.09	322
2300	-0.08	0.42	1023.4	13.2	4.59	325
			18 October 1986			
0	-0.11	0.48	1023.4	12.7	4.73	320

(Continued)

(Sheet 12 of 16)

Table E1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Meteorological Conditions: Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
100	-0.09	0.50	1023.6	12.3	4.85	325
200	-0.09	0.48	1023.6	12.0	4.57	325
300	-0.05	0.49	1023.6	12.2	5.73	326
400	-0.03	0.39	1023.8	11.7	6.48	335
500	0.04	0.40	1024.4	12.8	8.23	350
600	0.05	0.43	1024.9	13.0	7.03	347
700	0.05	0.41	1025.8	12.3	6.16	331
800	0.06	0.50	1026.6	13.5	8.61	357
900	0.04	0.72	1027.0	14.5	10.24	5
1000	0.00	0.88	1027.4	14.4	9.90	359
1100	-0.04	0.98	1027.6	14.8	9.85	356
1200	-0.10	0.95	1027.3	14.8	10.29	357
1300	-0.10	0.94	1027.2	15.1	11.09	0
1400	-0.11	0.96	1027.0	14.8	13.28	17
1500	-0.06	1.10	1027.4	14.6	13.53	18
1600	0.01	1.21	1027.6	13.9	13.59	17
1700	0.05	1.25	1027.7	14.3	12.74	17
1800	0.10	1.31	1028.0	14.5	12.43	18
1900	0.14	1.31	1028.0	14.5	12.72	27
2000	0.15	1.33	1028.0	14.5	13.16	23
2100	0.14	1.24	1028.1	14.2	13.18	24
2200	0.07	1.11	1028.2	14.2	12.62	27
2300	0.03	0.93	1028.0	14.1	11.40	29
			19 October 1986			
0	0.00	0.81	1027.9	13.8	12.08	11
100	0.01	0.68	1027.9	14.0	12.69	21
200	0.00	0.68	1027.4	13.9	13.18	22
300	0.03	0.75	1027.2	13.8	12.40	22
400	0.04	0.84	1027.3	13.5	12.24	25
500	0.09	0.93	1027.4	13.8	11.48	20
600	0.14	0.89	1027.6	13.8	11.58	21
700	0.14	0.94	1028.0	13.5	11.65	9
800	0.16	0.94	1028.3	13.6	12.30	7
900	0.16	0.95	1028.6	13.7	11.47	9
1000	0.11	0.84	1028.7	13.9	11.15	4
1100	0.06	0.69	1028.7	14.5	11.69	2
1200	0.00	0.36	1028.1	14.8	11.82	1
1300	0.02	0.22	1027.4	14.8	11.48	4
1400	0.01	0.16	1026.9	14.7	11.72	8
1500	0.03	0.16	1026.9	14.5	10.81	13
1600	-0.03	0.05	1026.7	14.2	8.78	10
1700	0.03	-0.03	1026.5	13.6	8.04	2
1800	0.06	0.10	1026.5	12.2	5.39	338
1900	0.11	0.21	1026.5	11.8	4.70	328
2000	0.10	0.25	1026.6	11.5	4.25	343
2100	0.10	0.29	1026.6	13.5	7.03	12
2200	0.09	0.22	1026.5	11.4	3.73	325
2300	0.09	0.09	1026.2	10.7	4.63	314
			20 October 1986			
0	0.09	-0.01	1025.8	10.1	4.77	318
100	0.06	0.05	1025.5	10.0	4.68	311
200	0.06	-0.13	1025.0	10.0	5.28	313
300	-0.06	-0.19	1024.9	10.1	5.02	314
400	0.05	-0.03	1024.9	9.4	5.24	305
500	0.08	-0.09	1025.0	8.9	5.78	309
600	0.13	-0.05	1025.0	8.6	5.78	309
700	0.08	-0.02	1025.4	9.6	5.65	319
800	0.08	0.00	1026.0	12.1	5.25	318
900	0.13	0.05	1026.1	14.3	4.43	329
1000	0.14	0.00	1026.1	15.9	6.15	350
1100	0.13	-0.01	1025.8	16.3	7.73	0
1200	0.13	-0.02	1025.1	16.7	7.97	8
1300	0.15	0.02	1024.5	16.5	7.56	18
1400	0.10	-0.09	1024.1	16.6	7.34	23
1500	0.09	-0.16	1023.8	16.4	7.40	21
1600	0.16	-0.12	1023.6	16.0	7.38	19
1700	-0.04	-0.15	1023.4	15.5	7.10	33
1800	-0.03	-0.17	1023.5	15.4	5.79	29
1900	0.03	-0.13	1023.6	15.4	5.44	18
2000	-0.03	-0.16	1023.6	14.2	3.61	345
2100	0.05	-0.10	1023.6	12.9	3.18	324

(Continued)

(Sheet 13 of 16)

Table E1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Meteorological Conditions: Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
2200	0.02	-0.05	1023.6	12.3	3.48	314
2300	-0.04	-0.15	1023.4	11.5	2.99	317
			21 October 1986			
0	-0.12	-0.26	1023.3	10.9	3.06	315
100	-0.13	-0.25	1023.2	10.4	3.54	301
200	-0.10	-0.15	1023.1	10.0	3.67	298
300	-0.19	-0.24	1022.8	9.9	4.32	300
400	-0.10	-0.11	1023.1	10.0	4.68	300
500	-0.21	-0.20	1023.4	10.1	4.71	300
600	-0.09	-0.16	1023.6	9.8		
700	0.01	-0.12	1024.0	11.2	4.01	303
800	-0.01	-0.08	1024.4	12.3	4.26	306
900	0.06	-0.06	1024.5	13.8	4.29	317
1000	-0.03	-0.06	1024.4	15.9	4.86	319
1100	-0.04	-0.06	1024.2	17.1	4.83	5
1200	-0.03	-0.12	1023.5	17.7	3.07	27
1300	-0.17	-0.21	1022.6	17.6	3.13	39
1400	-0.15	-0.11	1022.2	17.8	3.71	66
1500	-0.14	-0.14	1022.1	17.8	2.44	60
1600	-0.19	-0.22	1022.2	17.3	2.17	63
1700	-0.10	-0.19	1022.2	15.7	1.36	83
1800	-0.08	-0.17	1022.2	13.3	1.24	155
1900	-0.08	-0.13	1022.6	12.4	1.81	171
2000	-0.05	-0.14	1022.6	12.4	2.14	180
2100	0.02	-0.09	1022.8	12.7	3.42	208
2200	0.01	-0.09	1023.0	12.9	2.89	226
2300	-0.06	-0.12	1022.9	12.4	2.82	229
			22 October 1986			
0	-0.09	-0.18	1022.7	12.5	3.12	214
100	-0.14	-0.11	1022.5	12.9	3.51	213
200	-0.18	-0.17	1022.3	12.7	3.63	225
300	-0.13	-0.13	1022.3	12.4	3.22	226
400	-0.16	-0.14	1022.6	12.3	3.72	229
500	-0.14	-0.19	1023.0	12.7	2.85	248
600	-0.10	-0.15	1023.3	11.9	2.35	257
700	-0.04	-0.23	1023.7	13.4	2.24	231
800	-0.01	-0.12	1024.2	14.8	3.04	234
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
			23 October 1986			
0						
100						
200						
300						
400						
500						
600						
700						
800	0.00	-0.14	1025.0	16.6	4.51	232
900			1024.6	17.1	4.80	229
1000			1024.5	18.1	6.01	245
1100			1024.3	19.2	4.73	241
1200			1023.3	20.3	4.12	235
1300			1022.4	21.1	3.81	235
1400			1021.9	22.9	3.68	233
1500			1021.7	22.9	3.53	233
1600			1021.5	21.4	3.21	223
1700			1022.0	20.0	3.84	218
1800			1022.1	19.6	4.51	200

(Continued)

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Table E1 (Continued)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Meteorological Conditions: Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
1900			1022.1	19.2	4.88	214
2000			1022.2	18.4	5.01	220
2100			1022.5	17.8	5.69	244
2200			1022.7	17.2	6.02	242
2300			1022.6	16.8	4.79	237
			24 October 1986			
0			1022.3	16.3	4.02	227
100			1022.1	16.0	3.78	234
200			1021.5	15.7	3.80	220
300			1021.3	15.6	4.22	232
400			1021.3	15.4	3.56	232
500			1021.6	15.5	4.06	257
600			1021.7	14.7	4.34	276
700			1021.7	15.0	3.23	295
800						
900						
1000			1022.5	19.6	6.43	7
1100			1022.3	19.6	6.83	14
1200			1022.0	19.7	5.84	16
1300			1021.6	19.5	5.86	21
1400			1021.5	19.3	6.71	23
1500			1021.5	18.8	6.15	31
1600			1021.7	18.7	6.36	39
1700			1022.0	17.5	7.23	44
1800			1022.6	17.5	8.28	46
1900			1023.0	17.3	9.47	51
2000			1023.2	17.0	9.94	54
2100			1023.3	17.0	9.81	60
2200			1023.4	17.1	9.11	62
2300			1023.4	17.1	9.07	66
			25 October 1986			
0			1023.2	17.1	9.11	65
100			1023.2	17.0	9.56	65
200			1022.8	17.0	9.71	61
300			1022.7	16.9	9.68	59
400			1022.8	17.0	8.90	61
500			1022.8	17.0	8.59	65
600			1022.8	17.2	8.59	68
700			1023.1	17.4	8.38	80
800			1023.5	17.8	8.17	80
900			1023.9	18.0	8.12	83
1000			1023.9	18.1	7.83	71
1100			1023.7	18.1	7.09	69
1200			1023.3	17.7	7.93	60
1300			1022.2	17.6	9.59	63
1400			1021.7	17.4	10.68	67
1500			1021.3	17.1	11.33	72
1600			1021.5	17.3	10.33	73
1700			1021.1	17.5	10.06	74
1800			1021.0	17.4	10.40	85
1900			1021.1	17.9	9.66	89
2000			1020.9	17.8	8.78	95
2100			1020.8	17.9	8.70	99
2200			1020.3	17.9	8.36	100
2300			1019.6	17.6	7.04	106
			26 October 1986			
0			1018.7	18.1	7.85	107
100			1018.3	18.3	7.43	107
200			1017.9	18.6	4.91	130
300			1017.3	18.4	3.57	144
400			1017.1	18.4	4.07	156
500			1017.0	18.6	3.58	155
600			1016.7	18.6	4.49	152
700			1017.0	18.9	5.07	163
800			1017.3	20.1	5.26	166
900			1017.5	20.6	4.91	177
1000			1017.1	20.5	6.06	176
1100			1016.6	21.4	4.78	179
1200			1016.0	21.7	4.59	190
1300			1014.9	23.1	4.49	183
1400			1014.4	22.7	4.10	188
1500			1014.1	22.3	4.15	191

(Continued)

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Table E1 (Concluded)

Time EST	LS01 U (219) m/sec	LS01 V (319) m/sec	Meteorological Conditions: Atm Press. (616) mbs	Air Temp. (624) deg C	Wind Speed (632) m/sec	Wind Direct. (633) deg
1600			1014.5	21.3	3.56	196
1700			1014.3	20.9	2.62	183
1800			1014.0	21.0	3.75	196
1900			1014.0	20.7	3.45	196
2000			1014.1	20.4	3.83	198
2100			1014.1	20.3	4.09	198
2200			1014.1	20.0	4.46	198
2300			1013.3	20.2	4.11	191
			27 October 1986			
0			1013.2	19.8	3.85	212
100			1012.8	19.9	4.35	223
200			1012.8	19.6	4.59	224
300			1012.5	19.5	4.44	230
400			1012.4	18.9	3.33	244
500			1012.7	19.2	4.47	249
600			1013.0	19.0	3.75	232
700			1013.1	18.8	3.19	224
800			1013.7	18.8	3.51	222
900			1013.6	18.7	3.56	228
1000			1013.9	18.4	5.11	244
1100			1013.7	18.4	4.62	239
1200			1013.3	19.5	3.87	245
1300			1012.8	19.3	3.34	249
1400			1012.3	20.4	3.28	266
1500			1012.2	20.3	3.14	247
1600			1011.9	19.6	2.42	244
1700			1012.4	19.2	2.53	160
1800			1012.9	17.7	2.56	200
1900			1013.2	17.5	4.48	225
2000			1013.7	17.8	6.26	233
2100			1013.9	17.6	5.67	229
2200			1014.2	17.0	5.36	227
2300			1014.3	16.7	4.94	236
			28 October 1986			
0			1014.5	16.4	5.27	238
100			1014.8	16.1	5.41	252
200			1014.9	15.3	5.53	272
300			1015.4	14.5	7.10	297
400			1016.2	14.1	6.23	301
500			1017.0	13.5	5.62	304
600			1017.9	13.2	4.97	290
700			1019.1	13.3	5.92	302
800			1020.2	14.5	5.20	314
900			1020.8	16.0	5.18	334
1000			1021.4	16.9	5.48	354
1100			1021.6	17.5	5.30	1
1200			1021.7	18.0	5.88	10
1300			1021.6	17.7	7.09	16
1400			1021.7	17.4	6.70	23
1500			1022.0	17.4	5.80	38
1600			1022.3	17.3	3.71	37
1700			1023.0	15.6		
1800			1023.8	14.8	1.25	98
1900			1024.0	14.5	2.05	165
2000			1024.2	14.7	1.86	146
2100			1024.8	14.6	2.25	69
2200			1025.5	14.3	3.00	217
2300			1025.4	13.6	2.54	194

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