

# Monthly Wave Characteristics National Oceanographic Data Center Volume II

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## Ocean Engineering

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**MONTHLY WAVE CHARACTERISTICS**  
**December 1979 - May 1982**  
**NATIONAL OCEANOGRAPHIC DATA CENTER**

Volume 2  
BUDY NO. 42002

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TAMU-SG-86-205  
September 1985  
COE Report No. 273

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This work was supported in part through Institutional Grant NA83AA-D-00061 to Texas A&M University by the National Oceanic and Atmospheric Administration's Sea Grant Program, Department of Commerce.

TAMU-SG-86-205  
300 September 1985  
NA83AA-D-00061  
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## INTRODUCTION

The Data Office of the National Oceanic and Atmospheric Administration has been deploying a number of buoys around the U.S. coast. Two buoys, Numbers 42001 and 42002, are located in the central part of the Gulf of Mexico in approximately 6,600 ft of water. Monthly wave characteristics are summarized for the data from December 1979 to May 1982. The original NDBO data provides the spectral information for each observed wave record. The spectral information were omitted from the monthly summaries to avoid duplication.

The following variables are shown in the monthly summaries:

1. significant wave height (m)
2. average wave periods (sec)
3. air temperature (C°)
4. sea surface temperature (C°)
5. barometer (mb)
6. wind speed (m/sec)
7. wind direction (degree from true North)

The Statistical Analysis System (SAS, 1979) was employed to perform the monthly statistical summaries. The SAS has been used in a wide variety of fields not only for statistical manipulations but also for graphical representations.

The first table for each month shows monthly statistics for each of the variables.

The first column indicates the variable, the second column gives the number of observed data points, the third column shows the mean value and subsequent columns show the standard deviation, minimum and maximum values, the range, skewness and Kurtosis.

The first figure is a graphical representation of a histogram of wind speed, the second figure is a histogram of wind direction, the third figure is a histogram of significant wave height. The subsequent figures present a histogram of average wave period and frequency of significant heights and average periods.

Daily statistics are for selected variables such as the air temperature, sea temperature, wind speed, significant wave height and average wave period.

Buoy 42002		Variable: Significant Wave Height (m)					
Month	Year	Mean (Max)	Standard Deviation	Month	Year	Mean (Max)	Standard Deviation
12	1979	1.24 (3.10)	0.60	3	1981	1.36 (3.70)	0.71
1	1980	1.16 (4.10)	0.60	4	1981	1.16 (3.00)	0.39
2	1980	1.45 (4.20)	0.86	5	1981	1.02 (2.60)	0.46
3	1980	1.61 (5.10)	0.72	6	1981	1.14 (2.90)	0.64
4	1980	1.32 (5.90)	0.90	7	1981	0.68 (1.90)	0.44
5	1980	0.99 (2.50)	0.51	8	1981	0.54 (1.80)	0.39
6	1980	0.81 (1.30)	0.21	9	1981	0.85 (3.10)	0.56
7	1980	0.62 (7.90)	0.38	10	1981	1.07 (3.70)	0.59
8	1980	0.97 (6.90)	0.91*	11	1981	1.07 (3.00)	0.63
9	1980	0.89 (2.50)	0.51	12	1981	1.40 (3.30)	0.70
10	1980	1.12 (4.30)	0.72	1	1982	1.59 (4.90)	0.85
11	1980	----	----	2	1982	1.41 (3.40)	0.58
12	1980	1.26 (3.70)	0.65	3	1982	1.33 (4.30)	0.69
1	1981	1.20 (3.60)	0.70	4	1982	1.46 (2.90)	0.53
2	1981	1.49 (5.70)	0.94	5	1982	1.03 (2.50)	0.50

\*Hurricane ALLEN

Buoy 42002

Variable: Average Period

Month	Year	Mean Value	Standard Deviation	Month	Year	Mean Value	Standard Deviation
12	1979	4.97	0.74	3	1981	5.08	0.87
1	1980	4.93	0.69	4	1981	4.96	0.51
2	1980	5.29	0.87	5	1981	4.61	0.72
3	1980	5.41	0.70	6	1981	4.91	0.82
4	1980	4.91	0.98	7	1981	4.27	0.65
5	1980	4.58	0.72	8	1981	4.25	0.51
6	1980	4.33	0.34	9	1981	4.42	0.70
7	1980	4.21	0.59	10	1981	4.81	0.72
8	1980	4.32	0.92	11	1981	4.96	0.78
9	1980	4.55	0.73	12	1981	5.10	0.77
10	1980	4.72	0.82	1	1982	5.36	0.78
11	1980	----	----	2	1982	5.15	0.71
12	1980	5.12	0.72	3	1982	5.07	0.76
1	1981	4.85	0.75	4	1982	5.27	0.63
2	1981	5.21	0.99	5	1982	4.73	0.66



Buoy 42002

Variable: Air Temperature (°C)

Month	Year	Mean Value	Standard Deviation	Month	Year	Mean Value	Standard Deviation
12	1979	20.3	2.32	3	1981	20.0	1.70
1	1980	20.3	2.42	4	1981	22.9	1.01
2	1980	18.7	2.81	5	1981	24.7	1.13
3	1980	21.1	2.97	6	1981	27.6	0.64
4	1980	22.1	1.87	7	1981	28.6	0.72
5	1980	25.1	1.50	8	1981	29.0	0.90
6	1980	28.0	0.79	9	1981	28.1	1.23
7	1980	29.4	0.93	10	1981	26.3	2.08
8	1980	28.7	0.79	11	1981	23.9	1.78
9	1980	28.2	0.65	12	1981	21.8	2.21
10	1980	25.2	2.06	1	1982	20.3	3.14
11	1980	21.7	2.88	2	1982	20.9	2.57
12	1980	20.4	2.46	3	1982	22.3	2.79
1	1981	18.2	2.21	4	1982	24.6	1.23
2	1981	18.9	2.54	5	1982	27.1	0.89

Buoy 42002		Variable: Sea Temperature (°C)					
Month	Year	Mean Value	Standard Deviation	Month	Year	Mean Value	Standard Deviation
12	1979	22.4	0.44	3	1981	21.7	0.29
1	1980	21.5	0.50	4	1981	23.3	1.13
2	1980	21.2	0.49	5	1981	25.3	0.60
3	1980	21.9	0.77	6	1981	28.0	0.75
4	1980	23.5	0.40	7	1981	29.6	0.61
5	1980	25.5	1.43	8	1981	30.5	0.54
6	1980	28.8	0.80	9	1981	29.7	0.59
7	1980	30.0	0.50	10	1981	28.1	0.84
8	1980	29.5	0.72	11	1981	25.7	0.70
9	1980	29.1	0.40	12	1981	23.7	0.70
10	1980	27.5	0.63	1	1982	22.2	0.58
11	1980	25.0	0.81	2	1982	22.5	0.64
12	1980	22.7	0.49	3	1982	23.6	0.93
1	1981	21.7	0.45	4	1982	25.6	0.41
2	1981	21.1	0.50	5	1982	24.8	1.07

Buoy 42002

Variable: Barometer (mb)

Month	Year	Mean Value	Standard Deviation	Month	Year	Mean Value	Standard Deviation
12	1979	1019.8	5.18	3	1981	1017.2	5.14
1	1980	1016.4	3.53	4	1981	1019.1	4.11
2	1980	1018.3	4.79	5	1981	1013.2	2.41
3	1980	1013.8	5.33	6	1981	1014.4	2.83
4	1980	1014.0	5.11	7	1981	1017.0	1.81
5	1980	1011.4	2.79	8	1981	1015.3	2.46
6	1980	1015.6	1.35	9	1981	1016.1	2.50
7	1980	1015.2	2.28	10	1981	1016.4	3.02
8	1980	1015.6	2.50	11	1981	1017.4	3.01
9	1980	1014.0	1.87	12	1981	1017.0	5.13
10	1980	1016.2	3.34	1	1982	1017.8	4.59
11	1980	1017.9	5.46	2	1982	1018.2	4.07
12	1980	1021.3	3.61	3	1982	1014.8	5.34
1	1981	1022.1	4.97	4	1982	1013.8	3.60
2	1981	1021.7	6.47	5	1982	1014.7	2.73

Buoy 42002

Variable: Wind Speed (m/sec)

Month	Year	Mean Value	Standard Deviation	Month	Year	Mean Value	Standard Deviation
12	1979	6.36	3.05	3	1981	6.46	3.07
1	1980	5.77	2.80	4	1981	6.22	1.97
2	1980	6.42	3.65	5	1981	5.74	2.35
3	1980	7.02	3.29	6	1981	5.93	2.56
4	1980	6.44	3.14	7	1981	4.31	2.22
5	1980	6.08	2.77	8	1981	3.63	2.19
6	1980	5.51	1.95	9	1981	5.05	2.58
7	1980	3.97	2.43	10	1981	5.77	2.23
8	1980	5.92	3.06	11	1981	5.44	2.84
9	1980	5.16	2.05	12	1981	6.36	2.93
10	1980	6.08	2.94	1	1982	6.74	3.04
11	1980	7.90	3.24	2	1982	6.63	2.36
12	1980	5.92	2.78	3	1982	6.34	2.52
1	1981	6.32	2.69	4	1982	6.53	2.51
2	1981	6.60	3.24	5	1982	5.75	2.15

Buoy 42002

Variable: Wind Direction

Month	Year	Mean Value	Standard Deviation	Month	Year	Mean Value	Standard Deviation
12	1979	137.2	108.5	3	1981	145.3	96.3
1	1980	152.6	89.4	4	1981	110.8	31.6
2	1980	130.4	87.8	5	1981	129.6	75.0
3	1980	129.5	77.8	6	1981	111.6	28.4
4	1980	158.3	94.5	7	1981	128.8	59.9
5	1980	126.7	54.4	8	1981	127.3	69.0
6	1980	143.4	49.5	9	1981	118.2	85.4
7	1980	148.2	71.0	10	1981	116.1	66.3
8	1980	130.8	39.7	11	1981	145.7	105.2
9	1980	121.6	63.9	12	1981	139.1	92.2
10	1980	94.7	83.9	1	1982	137.9	91.5
11	1980	102.3	73.4	2	1982	128.0	97.3
12	1980	129.0	104.1	3	1982	128.5	72.8
1	1981	144.3	115.2	4	1982	113.7	58.1
2	1981	129.9	97.4	5	1982	102.9	56.5

## DESCRIPTION OF TABLES AND FIGURES

Each set of monthly data consists of three tables and four figures.

Table 1 - Monthly Statistical Summary. Selected variables are as follows:

- a. number of observations (N),
- b. mean value,
- c. standard deviation,
- d. minimum and maximum values,
- e. range, and
- f. skewness and kurtosis.

Abbreviated names of variables are given in the tables.

Fig. 1 - Percentage frequency histogram of wind speed.

Fig. 2 - Percentage frequency histogram of wind direction from true north.

Fig. 3 - Percentage frequency histogram of significant wave height.

Fig. 4 - Percentage frequency histogram of average wave period.

Table 2 - Cross Percentage Frequency of Significant Wave Height and Average Wave Period. The values appearing in the table are corresponding to the values used in Figures 3 and 4. Symbol "." indicates missing observation.

Table 3 - Daily Statistics for:

- a. air temperature (AIRTEMP),
- b. sea temperature (SEATEMP),
- c. wind speed (WINDSPED),
- d. significant wave height (SIGWVHT), and
- e. average wave period (AVWVPR).

Selected variables are:

- a. number of observations,
- b. mean value,
- c. standard deviation,
- d. minimum value, and
- e. maximum value.

42002 NOVEMBER 1979



MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 NOVEMBER 1979

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	720	21.888	2.878	4.370	28.100	23.730	-1.078	1.794
SEATEMP	720	24.879	0.811	23.000	26.800	3.800	+0.237	+0.832
BAROMTR	720	1017.888	5.482	1003.200	1029.800	26.600	+0.268	-0.198
WINDSPD	720	7.885	3.235	0.200	18.800	18.600	0.142	-0.629
WINDDR	720	102.317	73.280	0.000	359.300	359.300	1.098	1.180
SIGWVHT	0							
AVWVPR	0							

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 NOVEMBER 1979

PERCENTAGE BAR CHART

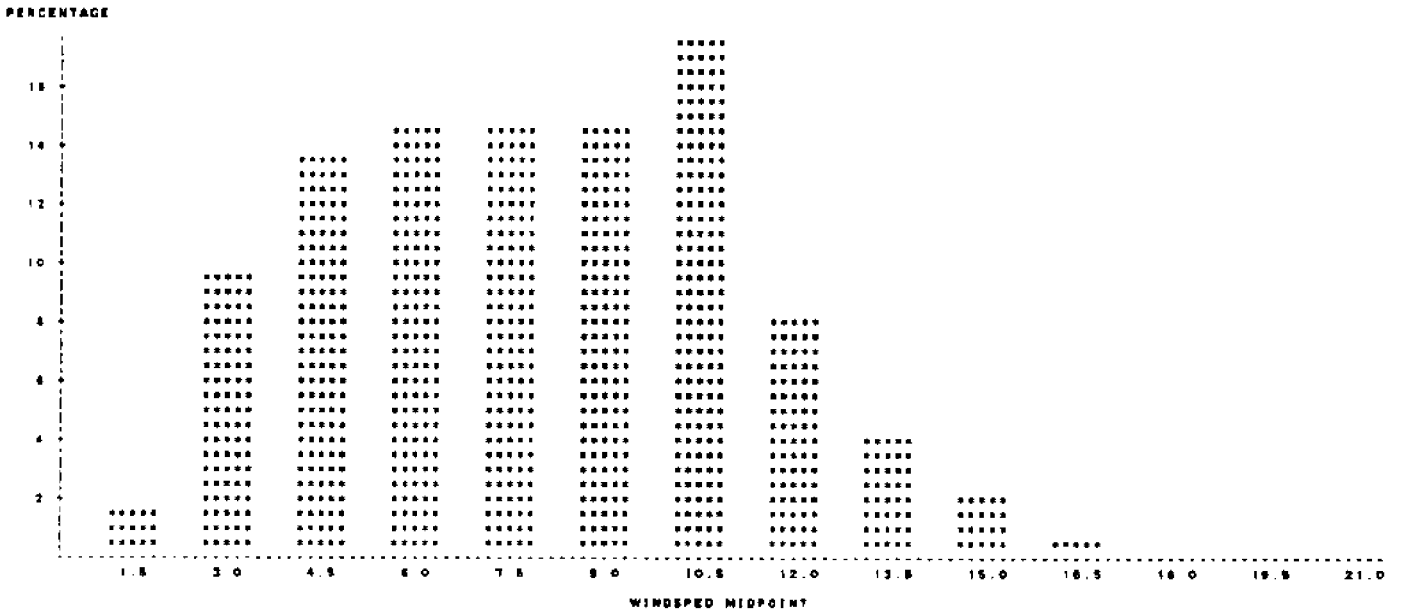


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #R2002 NOVEMBER 1979

PERCENTAGE BAR CHART

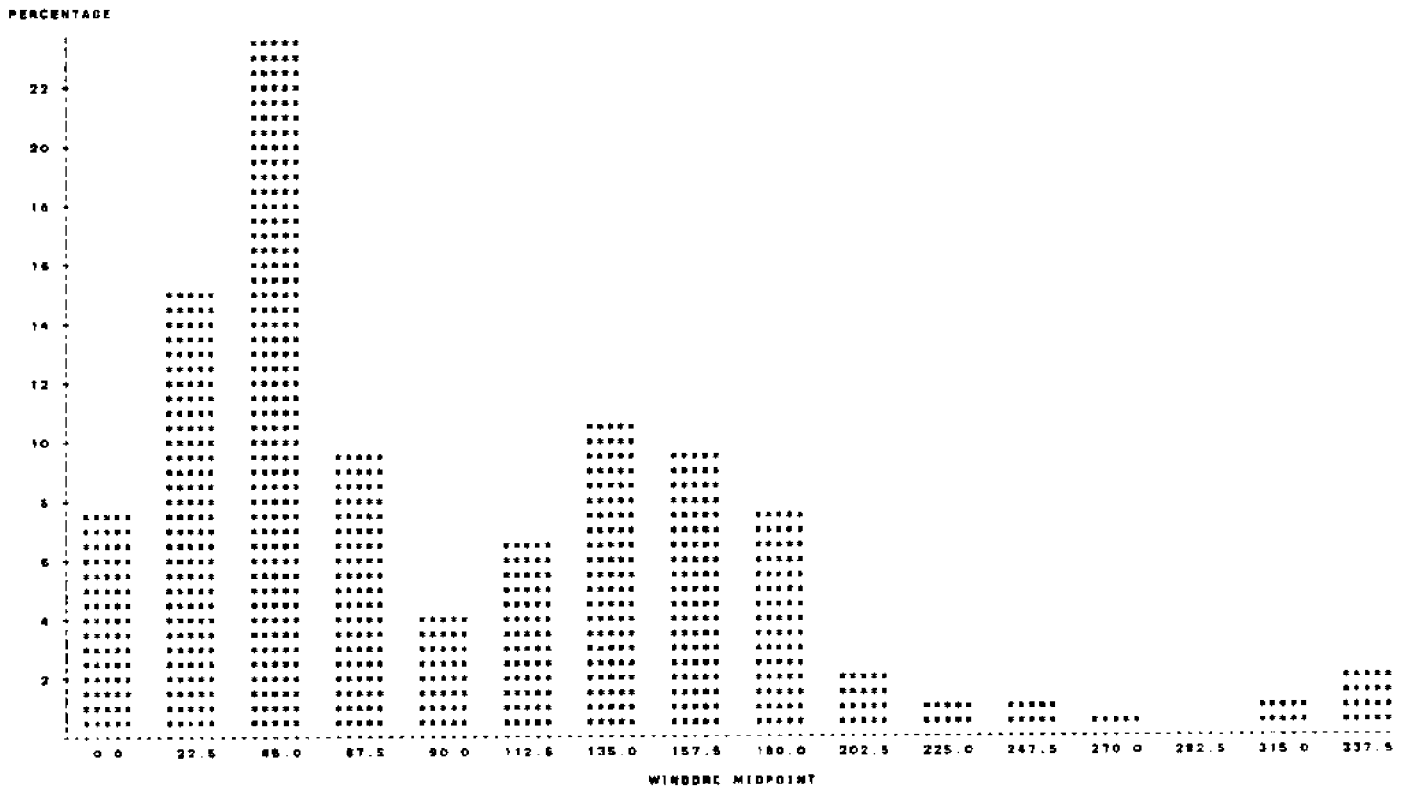


Fig. 2

DAILY STATISTICS  
 BUOY #42002 NOVEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	23.248	0.845	22.200	24.100
SEATEMP	24	26.378	0.081	26.300	26.800
WINDSPED	24	10.917	1.184	4.700	12.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#2 -----					
AIRTEMP	24	22.871	0.819	21.800	23.400
SEATEMP	24	26.248	0.088	26.100	26.300
WINDSPED	24	4.848	1.294	1.700	11.300
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#3 -----					
AIRTEMP	24	22.421	0.388	21.800	22.900
SEATEMP	24	26.071	0.095	26.800	26.100
WINDSPED	24	10.804	0.862	8.500	11.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#4 -----					
AIRTEMP	24	21.033	0.358	20.500	21.500
SEATEMP	24	26.850	0.088	26.800	26.000
WINDSPED	24	8.348	1.353	4.700	8.000
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#5 -----					
AIRTEMP	24	22.854	1.118	21.100	24.200
SEATEMP	24	26.804	0.137	26.700	26.100
WINDSPED	24	4.300	1.802	1.400	8.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#6 -----					
AIRTEMP	24	23.812	0.381	23.000	24.400
SEATEMP	24	26.778	0.089	26.700	26.900
WINDSPED	24	6.828	2.468	5.000	12.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3

DAILY STATISTICS  
 BUOY #42002 NOVEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	22.787	0.235	22.300	23.300
SEATEMP	24	26.842	0.080	26.600	26.700
WINDSPED	24	8.950	1.808	6.700	12.200
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#8 -----					
AIRTEMP	24	23.287	1.214	22.100	26.500
SEATEMP	24	26.817	0.181	26.800	26.800
WINDSPED	24	4.183	1.457	2.300	8.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#9 -----					
AIRTEMP	24	25.486	0.414	25.000	26.100
SEATEMP	24	26.800	0.090	26.800	26.800
WINDSPED	24	11.342	1.338	8.300	12.900
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#10 -----					
AIRTEMP	24	25.358	0.982	21.800	26.000
SEATEMP	24	26.812	0.103	26.300	26.800
WINDSPED	24	4.812	1.421	1.500	7.300
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#11 -----					
AIRTEMP	24	22.021	0.888	20.300	24.100
SEATEMP	24	26.408	0.088	26.300	26.800
WINDSPED	24	11.478	2.592	3.800	14.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#12 -----					
AIRTEMP	24	20.737	0.402	20.100	21.300
SEATEMP	24	26.348	0.138	26.200	26.800
WINDSPED	24	8.428	1.201	6.600	10.600
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 NOVEMBER 1979

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:13 -----					
AIRTEMP	24	20.200	0.788	18.600	21.000
SEATEMP	24	28.288	0.140	28.100	28.800
WINDSPED	24	10.171	0.742	8.000	11.400
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:14 -----					
AIRTEMP	24	17.888	0.245	17.600	18.300
SEATEMP	24	28.328	0.076	28.100	28.300
WINDSPED	24	7.704	1.284	5.600	10.100
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:15 -----					
AIRTEMP	24	18.875	1.083	17.600	20.200
SEATEMP	24	28.082	0.088	28.000	28.300
WINDSPED	24	8.847	1.734	2.800	7.100
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:16 -----					
AIRTEMP	24	19.875	0.350	19.600	20.600
SEATEMP	24	24.848	0.078	24.800	25.100
WINDSPED	24	4.387	0.701	3.400	5.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:17 -----					
AIRTEMP	24	21.812	0.889	20.800	22.800
SEATEMP	24	24.812	0.081	24.700	25.000
WINDSPED	24	4.204	1.082	1.300	8.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:18 -----					
AIRTEMP	24	22.882	0.448	22.200	23.700
SEATEMP	24	24.888	0.100	24.600	24.800
WINDSPED	24	5.812	0.818	3.700	7.100
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 NOVEMBER 1979

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:19 -----					
AIRTEMP	24	23.812	0.878	22.300	24.800
SEATEMP	24	24.717	0.183	24.600	25.000
WINDSPED	24	7.925	0.874	5.200	8.600
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:20 -----					
AIRTEMP	24	24.804	0.178	24.300	24.800
SEATEMP	24	24.800	0.088	24.700	24.800
WINDSPED	24	8.688	0.874	8.100	10.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:21 -----					
AIRTEMP	24	24.837	0.282	24.300	25.200
SEATEMP	24	24.882	0.068	24.800	24.700
WINDSPED	24	8.787	1.088	7.300	11.300
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:22 -----					
AIRTEMP	24	24.832	0.422	23.300	25.100
SEATEMP	24	24.817	0.038	24.800	24.700
WINDSPED	24	7.117	1.934	2.800	10.000
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:23 -----					
AIRTEMP	24	18.246	2.182	16.500	24.700
SEATEMP	24	24.829	0.118	24.200	24.800
WINDSPED	24	12.800	2.807	7.600	18.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:24 -----					
AIRTEMP	24	18.708	1.818	17.100	21.800
SEATEMP	24	24.079	0.072	24.000	24.200
WINDSPED	24	6.600	0.822	5.000	7.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 NOVEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#12 -----					
AIRTEMP	24	20.200	0.755	18.400	21.000
SEATEMP	24	26.258	0.140	25.100	25.500
WINDSPED	24	10.171	0.742	8.000	11.400
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#14 -----					
AIRTEMP	24	17.958	0.245	17.600	18.300
SEATEMP	24	25.228	0.075	25.100	25.300
WINDSPED	24	7.704	1.264	5.800	10.100
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#15 -----					
AIRTEMP	24	18.878	1.083	17.400	20.200
SEATEMP	24	25.082	0.084	25.000	25.300
WINDSPED	24	4.842	1.236	2.500	7.100
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#16 -----					
AIRTEMP	24	18.875	0.250	18.500	20.500
SEATEMP	24	24.848	0.078	24.800	25.100
WINDSPED	24	4.387	0.701	3.400	5.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#17 -----					
AIRTEMP	24	21.612	0.569	20.800	22.500
SEATEMP	24	24.812	0.061	24.700	25.000
WINDSPED	24	4.204	1.052	1.200	5.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#18 -----					
AIRTEMP	24	22.882	0.448	22.200	23.700
SEATEMP	24	24.888	0.150	24.500	24.800
WINDSPED	24	5.512	0.919	3.700	7.100
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	23.812	0.475	23.300	24.500
SEATEMP	24	24.717	0.183	24.500	25.000
WINDSPED	24	7.825	0.574	6.200	8.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#20 -----					
AIRTEMP	24	24.804	0.176	24.300	24.900
SEATEMP	24	24.800	0.088	24.700	24.900
WINDSPED	24	9.595	0.574	8.100	10.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#21 -----					
AIRTEMP	24	24.837	0.282	24.300	25.300
SEATEMP	24	24.862	0.045	24.500	24.700
WINDSPED	24	8.787	1.088	7.300	11.300
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#22 -----					
AIRTEMP	24	24.833	0.422	23.300	25.100
SEATEMP	24	25.817	0.028	24.500	24.700
WINDSPED	24	7.117	1.834	3.800	10.000
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#23 -----					
AIRTEMP	24	15.285	2.182	15.500	24.700
SEATEMP	24	24.428	0.115	24.200	24.500
WINDSPED	24	12.900	2.507	7.500	18.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#24 -----					
AIRTEMP	24	18.708	1.518	17.100	21.000
SEATEMP	24	24.078	0.072	24.000	24.200
WINDSPED	24	5.500	0.832	5.000	7.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 NOVEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	21.204	1.887	18.600	24.200
SEATEMP	24	23.880	0.114	23.700	24.100
WINDSPED	24	8.884	3.588	2.600	13.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#26 -----					
AIRTEMP	24	21.046	1.413	18.100	24.000
SEATEMP	24	23.908	0.164	23.800	24.300
WINDSPED	24	2.708	1.233	0.200	4.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#27 -----					
AIRTEMP	24	23.242	1.030	22.000	24.800
SEATEMP	24	23.884	0.081	23.800	24.100
WINDSPED	24	8.883	1.882	4.100	10.700
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#28 -----					
AIRTEMP	24	22.882	1.534	18.400	24.100
SEATEMP	24	23.978	0.041	23.900	24.080
WINDSPED	24	8.880	4.518	2.800	13.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#29 -----					
AIRTEMP	24	18.282	1.923	13.500	18.800
SEATEMP	24	23.717	0.101	23.500	23.900
WINDSPED	24	13.388	1.748	8.700	18.800
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY#30 -----					
AIRTEMP	24	13.888	2.048	4.370	14.700
SEATEMP	24	23.242	0.114	23.000	23.400
WINDSPED	24	8.848	1.420	4.000	9.500
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

42002 DECEMBER 1979

Table 1

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 DECEMBER 1979  
 AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BARDMTR BARDMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRG WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	743	20.288	2.221	14.200	24.700	10.500	-0.773	-0.282
SEATEMP	743	22.375	0.435	21.000	23.500	2.500	-0.157	-0.565
BARDMTR	743	1019.827	5.183	1005.000	1031.200	26.200	-0.428	0.173
WINDSPED	743	6.356	3.045	0.100	14.800	14.700	0.282	-0.580
WINDDRG	743	137.158	108.821	0.400	380.000	380.000	0.906	-0.331
SIGWVHT	730	1.242	0.901	0.300	3.100	2.800	0.570	-0.085
AVWVPR	730	4.872	0.744	3.200	6.600	3.400	-0.236	-0.918

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 DECEMBER 1979

PERCENTAGE BAR CHART

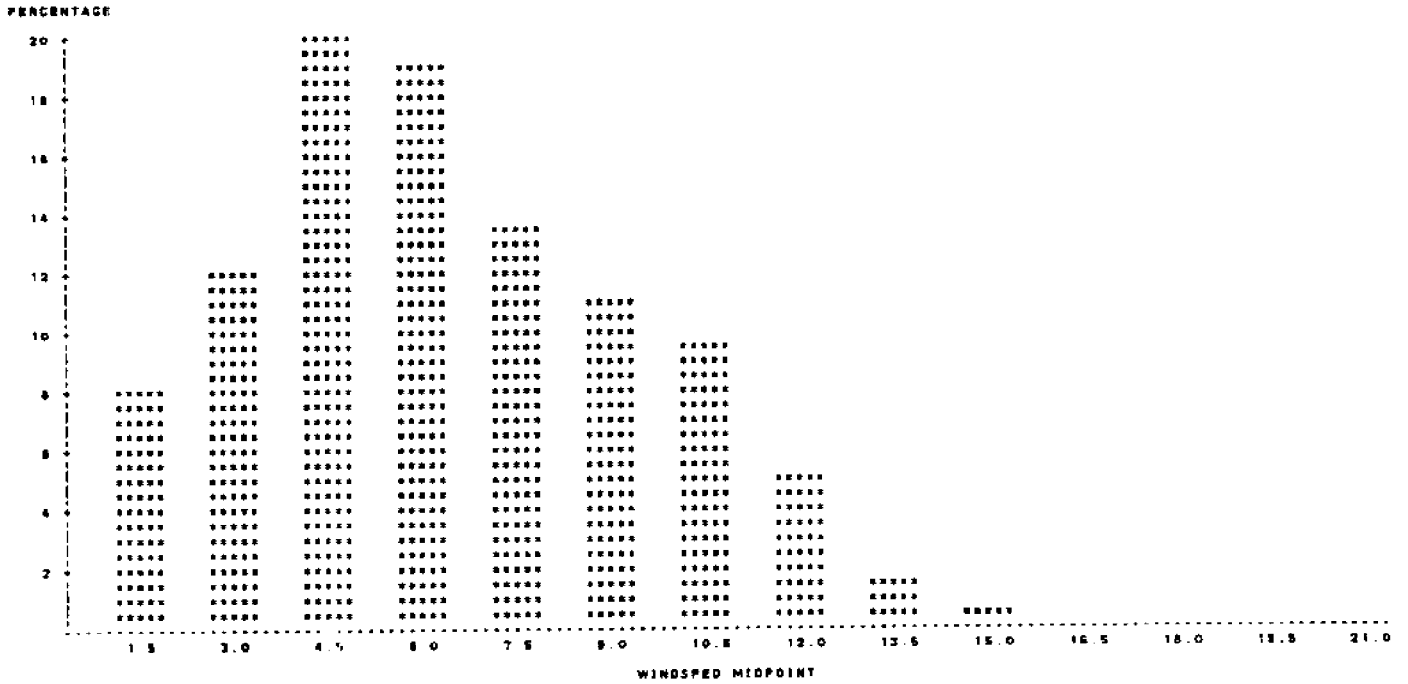


Fig. 1



HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #43002 DECEMBER 1979

PERCENTAGE BAR CHART

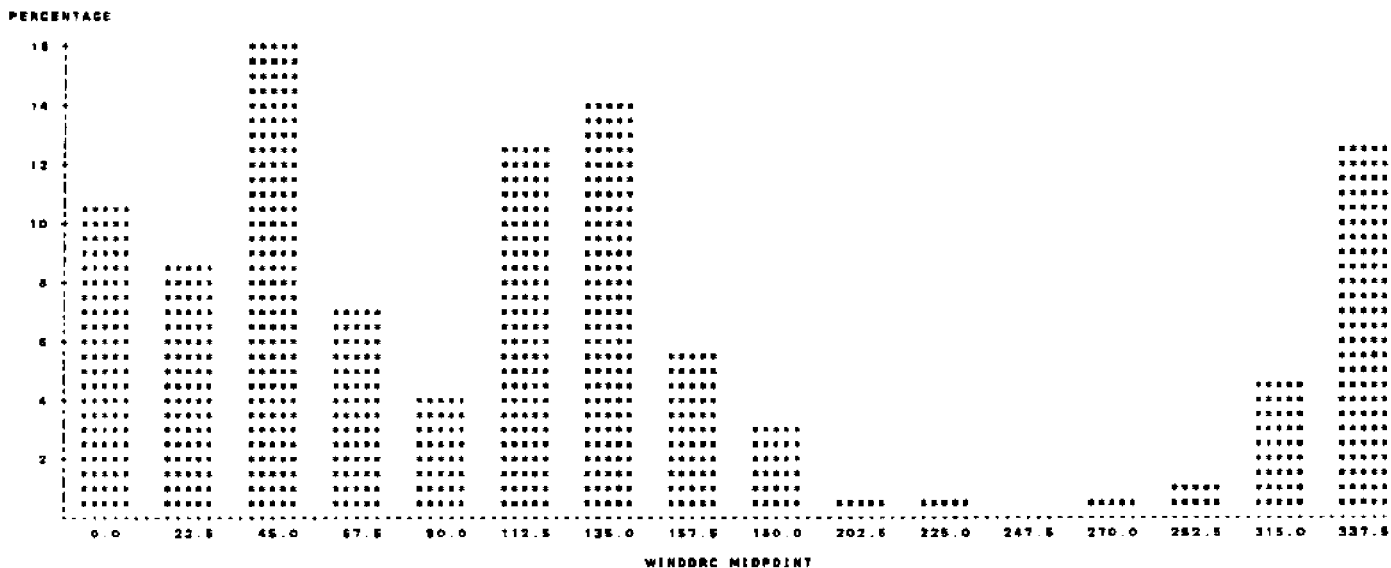


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 DECEMBER 1979

PERCENTAGE BAR CHART

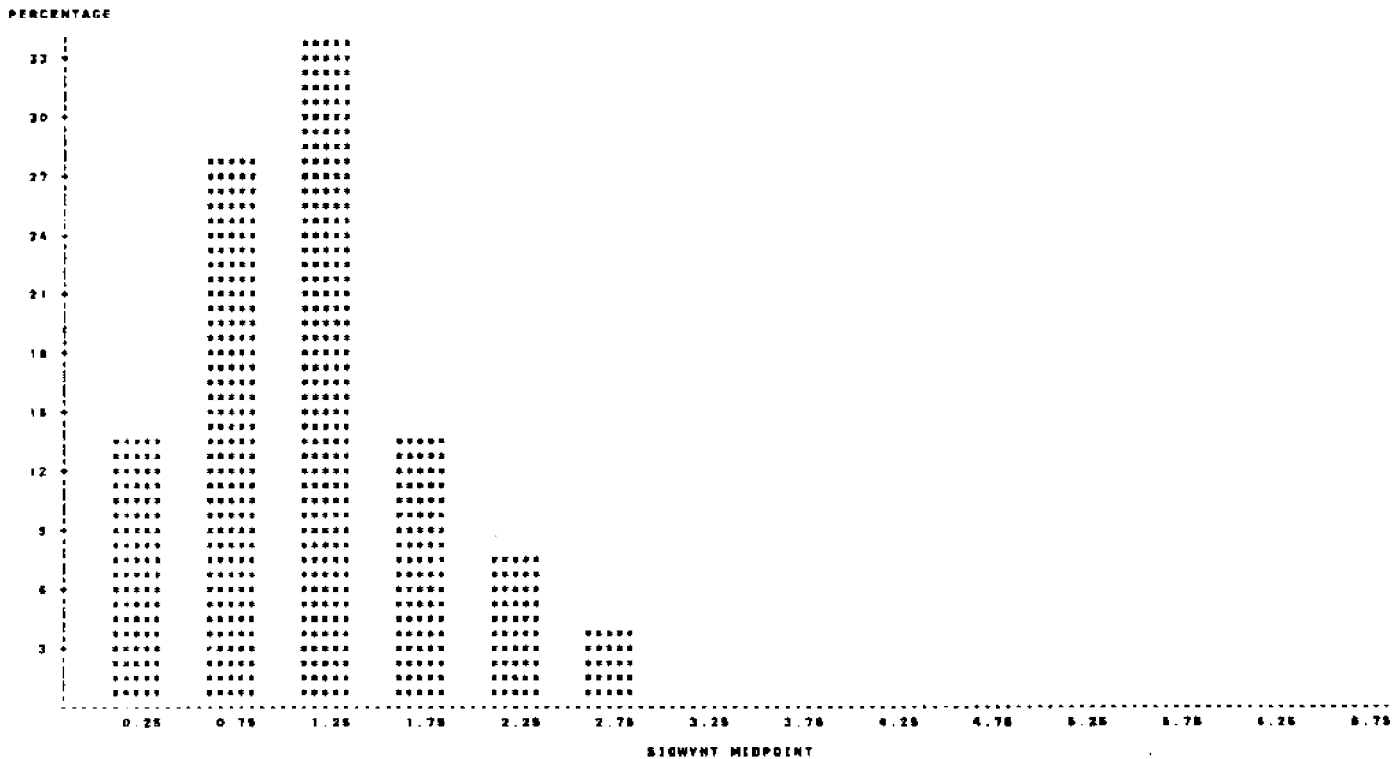


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUDY #42002 DECEMBER 1978

PERCENTAGE BAR CHART

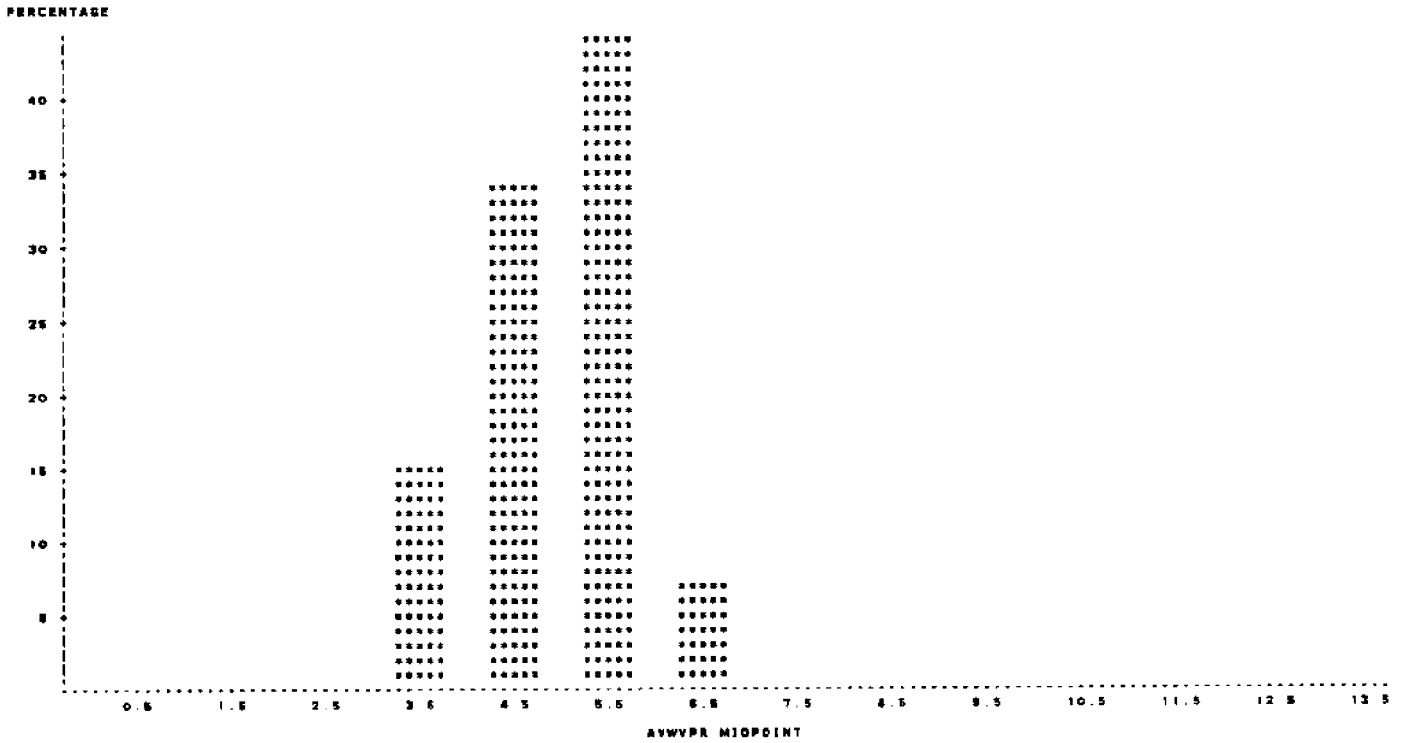


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUDY #42002 DECEMBER 1978

TABLE OF AVWVPR BY SIGWVHT

AVWVPR	SIGWVHT	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	TOTAL
	13	0	0	0	0	0	0	0	
<=4.0	0	57.77	43.58	0.00	0.00	0.00	0.00	0.00	112
		83.37	24.00	0.00	0.00	0.00	0.00	0.00	15.34
<=5.0	0	30	105	80	22	0	0	0	247
		4.11	14.28	12.33	2.01	0.00	0.00	0.00	23.84
		12.18	42.61	38.44	8.91	0.00	0.00	0.00	
		28.70	52.50	38.28	22.45	0.00	0.00	0.00	
<=6.0	0	7	48	140	85	45	18	0	322
		0.98	8.30	18.18	8.32	8.18	2.19	0.00	44.11
		2.17	14.28	43.48	21.12	13.88	4.87	0.00	
		8.93	23.00	58.48	38.38	41.82	18.28	0.00	
<=7.0	0	0	1	14	8	10	11	1	48
		0.00	0.14	2.47	1.10	1.37	1.51	0.14	8.75
		0.00	2.04	38.73	18.33	20.41	22.45	2.04	
		0.00	0.80	7.28	8.18	18.18	40.74	100.00	
TOTAL		101	200	248	98	85	27	1	730
		13.84	27.40	33.87	13.42	7.53	3.70	0.14	100.00

Table 2

DAILY STATISTICS  
 BUOY #42002 DECEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	16.804	1.245	14.800	18.400
SEATEMP	24	22.800	0.102	22.700	23.100
WINDSPED	24	3.592	2.507	0.800	7.800
SIGWVHT	11	0.491	0.070	0.400	0.800
AVWVPR	11	4.084	0.476	3.800	4.900
----- DAY#2 -----					
AIRTEMP	24	16.854	0.958	17.800	18.800
SEATEMP	24	22.029	0.106	22.800	23.300
WINDSPED	24	8.483	2.306	5.800	12.700
SIGWVHT	26	1.208	0.488	0.800	2.000
AVWVPR	24	4.287	0.478	3.700	5.100
----- DAY#3 -----					
AIRTEMP	24	18.183	0.420	18.100	18.700
SEATEMP	24	22.821	0.072	22.800	23.000
WINDSPED	24	10.854	0.848	8.700	12.400
SIGWVHT	24	2.058	0.102	1.808	2.300
AVWVPR	24	5.442	0.147	5.100	5.700
----- DAY#4 -----					
AIRTEMP	24	20.282	0.558	18.400	21.800
SEATEMP	24	22.887	0.217	22.300	23.800
WINDSPED	24	10.278	0.777	8.000	11.900
SIGWVHT	24	2.108	0.088	2.000	2.300
AVWVPR	24	5.700	0.200	5.400	6.000
----- DAY#5 -----					
AIRTEMP	24	20.817	0.533	19.800	21.400
SEATEMP	24	22.712	0.151	22.500	22.800
WINDSPED	24	5.421	2.382	2.300	10.700
SIGWVHT	24	1.871	0.283	1.200	2.200
AVWVPR	24	5.888	0.182	5.700	6.400
----- DAY#6 -----					
AIRTEMP	24	22.021	0.894	20.000	22.800
SEATEMP	24	22.800	0.132	22.400	22.800
WINDSPED	24	4.237	2.180	2.100	10.800
SIGWVHT	24	1.171	0.123	1.000	1.800
AVWVPR	24	5.888	0.800	4.800	6.800

Table 3

DAILY STATISTICS  
 BUOY #42002 DECEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	21.075	0.522	20.800	22.000
SEATEMP	24	22.887	0.113	22.200	22.800
WINDSPED	24	4.000	1.398	2.000	7.300
SIGWVHT	24	1.112	0.288	0.800	1.800
AVWVPR	24	5.188	0.355	4.300	5.800
----- DAY#8 -----					
AIRTEMP	24	21.471	0.220	21.200	22.000
SEATEMP	24	22.880	0.102	22.800	23.800
WINDSPED	24	7.483	1.148	5.800	8.700
SIGWVHT	24	0.978	0.175	0.700	1.300
AVWVPR	24	4.348	0.184	4.000	4.800
----- DAY#9 -----					
AIRTEMP	24	22.012	0.236	21.800	22.300
SEATEMP	24	22.880	0.102	22.800	22.800
WINDSPED	24	7.866	0.897	6.200	8.300
SIGWVHT	24	1.468	0.098	1.200	1.700
AVWVPR	24	5.178	0.211	4.800	5.800
----- DAY#10 -----					
AIRTEMP	24	21.475	0.407	20.900	22.100
SEATEMP	24	22.837	0.204	22.100	22.800
WINDSPED	24	5.887	1.349	3.700	8.800
SIGWVHT	24	1.187	0.142	1.000	1.400
AVWVPR	24	5.287	0.149	5.000	5.800
----- DAY#11 -----					
AIRTEMP	24	22.512	0.442	22.000	23.300
SEATEMP	24	22.808	0.224	22.200	23.800
WINDSPED	24	5.888	1.202	2.800	7.700
SIGWVHT	24	0.987	0.078	0.800	1.100
AVWVPR	24	4.833	0.168	4.800	5.200
----- DAY#12 -----					
AIRTEMP	24	23.317	0.340	22.800	23.800
SEATEMP	24	22.833	0.131	22.700	23.100
WINDSPED	24	4.328	1.888	3.300	8.000
SIGWVHT	24	1.133	0.178	0.800	1.400
AVWVPR	24	4.888	0.273	4.400	5.600

Table 3 (Continue)

DAILY STATISTICS  
BUOY #42002 DECEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	23	23.281	0.520	22.800	24.700
SEATEMP	23	22.891	0.238	22.800	23.500
WINDSPED	23	3.281	1.501	0.100	5.200
SIGWVHT	23	1.028	0.108	0.800	1.300
AVWVPR	23	5.374	0.207	5.000	5.800
----- DAY#14 -----					
AIRTEMP	24	21.853	0.850	20.500	23.300
SEATEMP	24	22.882	0.138	22.800	23.400
WINDSPED	24	7.382	2.182	1.800	10.800
SIGWVHT	24	1.388	0.203	1.100	1.700
AVWVPR	24	5.175	0.201	4.800	5.700
----- DAY#15 -----					
AIRTEMP	24	21.304	0.425	20.800	22.000
SEATEMP	24	22.817	0.038	22.800	22.900
WINDSPED	24	7.142	1.525	5.400	8.800
SIGWVHT	24	1.408	0.184	1.200	1.900
AVWVPR	24	5.078	0.187	4.700	5.300
----- DAY#16 -----					
AIRTEMP	24	20.808	0.825	18.800	21.800
SEATEMP	24	22.733	0.131	22.400	22.800
WINDSPED	24	5.525	2.510	2.800	11.000
SIGWVHT	24	1.300	0.078	1.000	1.300
AVWVPR	24	5.087	0.472	4.300	5.700
----- DAY#17 -----					
AIRTEMP	24	17.825	1.923	14.700	18.800
SEATEMP	24	22.252	0.085	22.200	22.400
WINDSPED	24	11.817	1.293	9.200	13.900
SIGWVHT	24	2.221	0.555	1.200	3.000
AVWVPR	24	5.428	0.500	4.500	6.400
----- DAY#18 -----					
AIRTEMP	24	14.783	0.332	14.200	15.500
SEATEMP	24	22.154	0.043	22.000	22.300
WINDSPED	24	5.862	2.171	2.800	10.300
SIGWVHT	24	1.708	0.428	1.200	2.700
AVWVPR	24	5.833	0.188	5.800	6.300

Table 3 (continue)

DAILY STATISTICS  
BUOY #42002 DECEMBER 1978

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	17.025	1.455	15.000	18.500
SEATEMP	24	22.037	0.113	21.800	22.300
WINDSPED	24	3.221	0.821	0.500	4.100
SIGWVHT	24	0.705	0.177	0.500	1.100
AVWVPR	24	5.400	0.135	5.100	5.800
----- DAY#20 -----					
AIRTEMP	24	20.812	1.089	18.800	22.200
SEATEMP	24	21.833	0.148	21.700	22.100
WINDSPED	24	4.828	1.008	2.200	6.100
SIGWVHT	24	0.533	0.045	0.500	0.600
AVWVPR	24	4.271	0.545	3.800	5.800
----- DAY#21 -----					
AIRTEMP	24	21.800	0.488	21.300	22.700
SEATEMP	24	21.812	0.130	21.800	22.200
WINDSPED	24	5.100	0.817	3.400	6.700
SIGWVHT	24	0.812	0.081	0.400	0.800
AVWVPR	24	3.875	0.123	3.500	3.800
----- DAY#22 -----					
AIRTEMP	24	22.371	0.344	21.900	23.000
SEATEMP	24	22.154	0.195	22.000	22.500
WINDSPED	24	4.854	1.235	2.900	7.500
SIGWVHT	24	0.833	0.378	0.400	1.500
AVWVPR	24	4.833	0.500	3.500	5.800
----- DAY#23 -----					
AIRTEMP	24	22.887	0.313	22.300	23.300
SEATEMP	24	22.328	0.045	22.000	22.400
WINDSPED	24	8.075	2.280	3.700	13.100
SIGWVHT	24	1.700	0.431	1.200	2.800
AVWVPR	24	5.227	0.378	5.800	5.800
----- DAY#24 -----					
AIRTEMP	24	20.888	1.548	15.100	22.800
SEATEMP	24	22.028	0.157	21.700	22.200
WINDSPED	24	9.287	4.857	1.200	14.800
SIGWVHT	24	2.458	0.311	1.800	2.900
AVWVPR	24	5.978	0.358	5.200	6.500

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 DECEMBER 1979

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	18.080	0.221	17.800	18.400
SEATEMP	24	22.092	0.072	22.000	22.200
WINDSPED	24	7.848	1.862	5.800	11.200
SIGWVHT	24	1.833	0.888	1.000	3.100
AVWVPR	24	8.542	0.638	4.700	8.800
----- DAY#26 -----					
AIRTEMP	24	18.192	0.760	17.300	18.800
SEATEMP	24	22.071	0.171	21.800	22.400
WINDSPED	24	2.184	1.868	0.800	8.300
SIGWVHT	24	0.800	0.208	0.300	1.000
AVWVPR	24	4.887	0.088	4.400	4.800
----- DAY#27 -----					
AIRTEMP	24	18.884	1.002	18.400	21.200
SEATEMP	24	22.068	0.072	22.000	22.200
WINDSPED	24	3.858	0.828	2.100	5.400
SIGWVHT	24	0.378	0.041	0.300	0.400
AVWVPR	24	3.880	0.382	3.200	4.800
----- DAY#28 -----					
AIRTEMP	24	21.808	0.383	21.100	22.800
SEATEMP	24	22.042	0.048	22.000	22.100
WINDSPED	24	3.778	1.836	0.300	8.700
SIGWVHT	24	0.826	0.074	0.400	0.700
AVWVPR	24	3.833	0.270	2.400	4.300
----- DAY#29 -----					
AIRTEMP	24	21.400	0.830	19.200	22.200
SEATEMP	24	21.821	0.088	21.700	22.000
WINDSPED	24	5.837	1.618	3.400	9.100
SIGWVHT	24	0.827	0.113	0.700	1.100
AVWVPR	24	4.404	0.282	4.000	8.000
----- DAY#30 -----					
AIRTEMP	24	17.880	0.813	18.800	20.100
SEATEMP	24	21.482	0.200	21.300	21.800
WINDSPED	24	8.346	1.821	8.000	11.400
SIGWVHT	24	1.833	0.248	1.000	1.800
AVWVPR	24	5.033	0.210	4.400	5.300

Table 3 (continue)

DAILY STATISTICS BUDY #42002 DECEMBER 1979					
VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	24	18.888	0.878	18.800	17.400
SEATEMP	24	21.882	0.171	21.200	21.800
WINDSPED	24	7.082	2.222	2.800	10.700
SIGWVHT	24	1.000	0.382	0.800	1.800
AVWVPR	24	4.388	0.284	3.800	6.000

Table 3 (continue)

42002 JANUARY 1980

Table 1

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 JANUARY 1980

AIRTEMP	AIR TEMPERATURE (C)
SEATEMP	SEA TEMPERATURE (C)
BAROMTR	BAROMETER (MB)
WINDSPD	WIND SPEED (M/SEC)
WINDDIR	WIND DIRECTION (DEGREES FROM TRUE NORTH)
SIGWVHT	SIGNIFICANT WAVE HEIGHTS (M)
AVWVPR	AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	744	20.283	2.418	14.000	23.700	9.700	+1.042	+0.141
SEATEMP	744	21.834	0.804	20.800	23.800	3.000	-1.055	0.786
BAROMTR	744	1016.374	3.834	1005.400	1024.300	17.900	-0.383	0.102
WINDSPD	744	5.787	2.784	0.100	18.800	18.700	0.801	0.790
WINDDIR	744	152.866	89.411	0.100	258.800	258.700	0.745	-0.010
SIGWVHT	744	1.157	0.602	0.400	4.100	3.700	2.124	8.130
AVWVPR	744	4.823	0.889	3.300	7.200	3.900	0.168	0.810

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 JANUARY 1980  
 PERCENTAGE BAR CHART

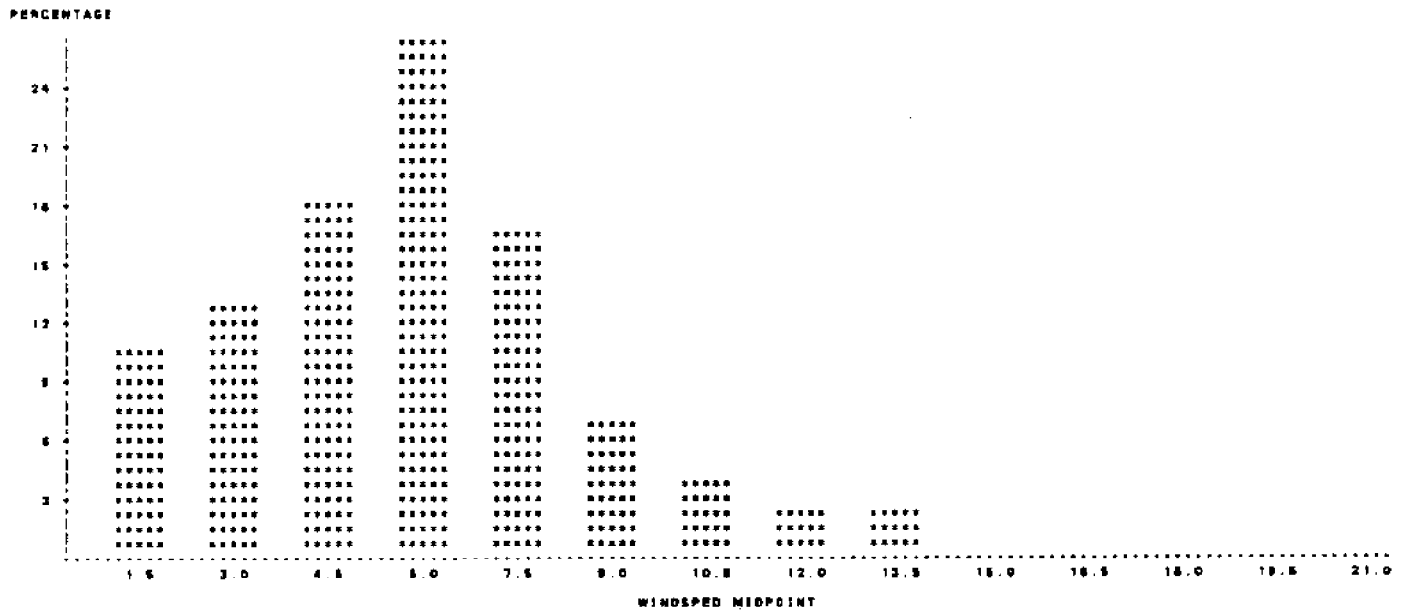


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 JANUARY 1980

PERCENTAGE BAR CHART

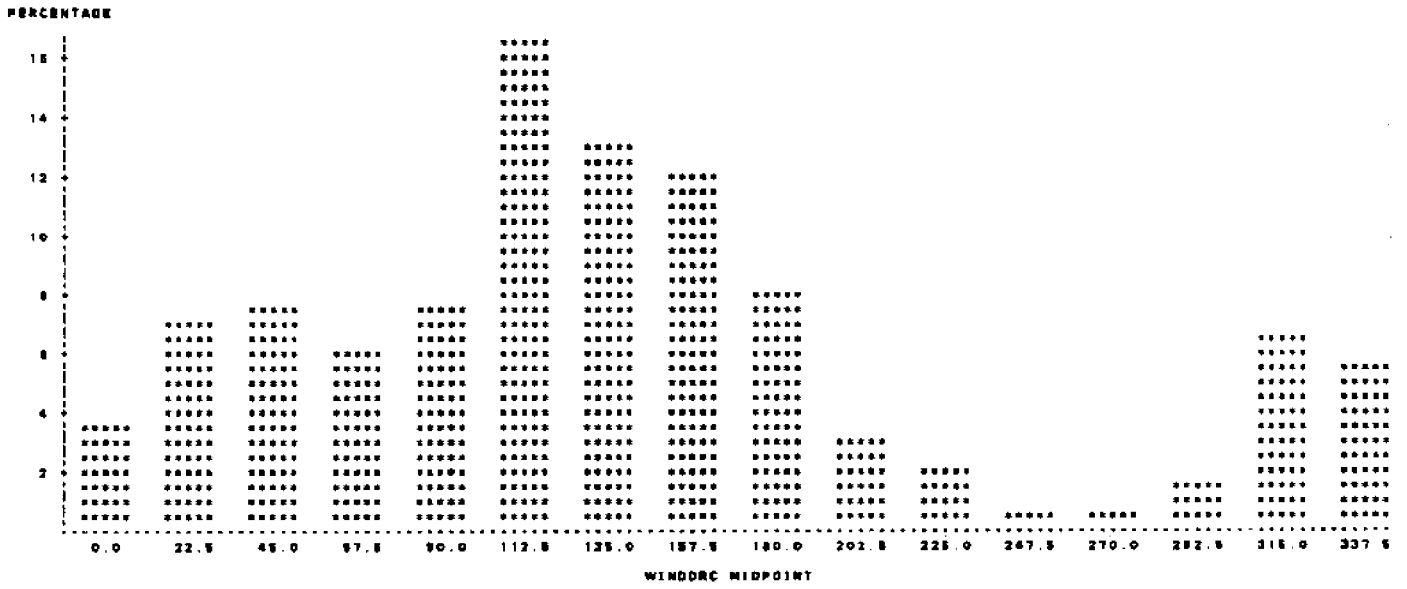


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 JANUARY 1980

PERCENTAGE BAR CHART

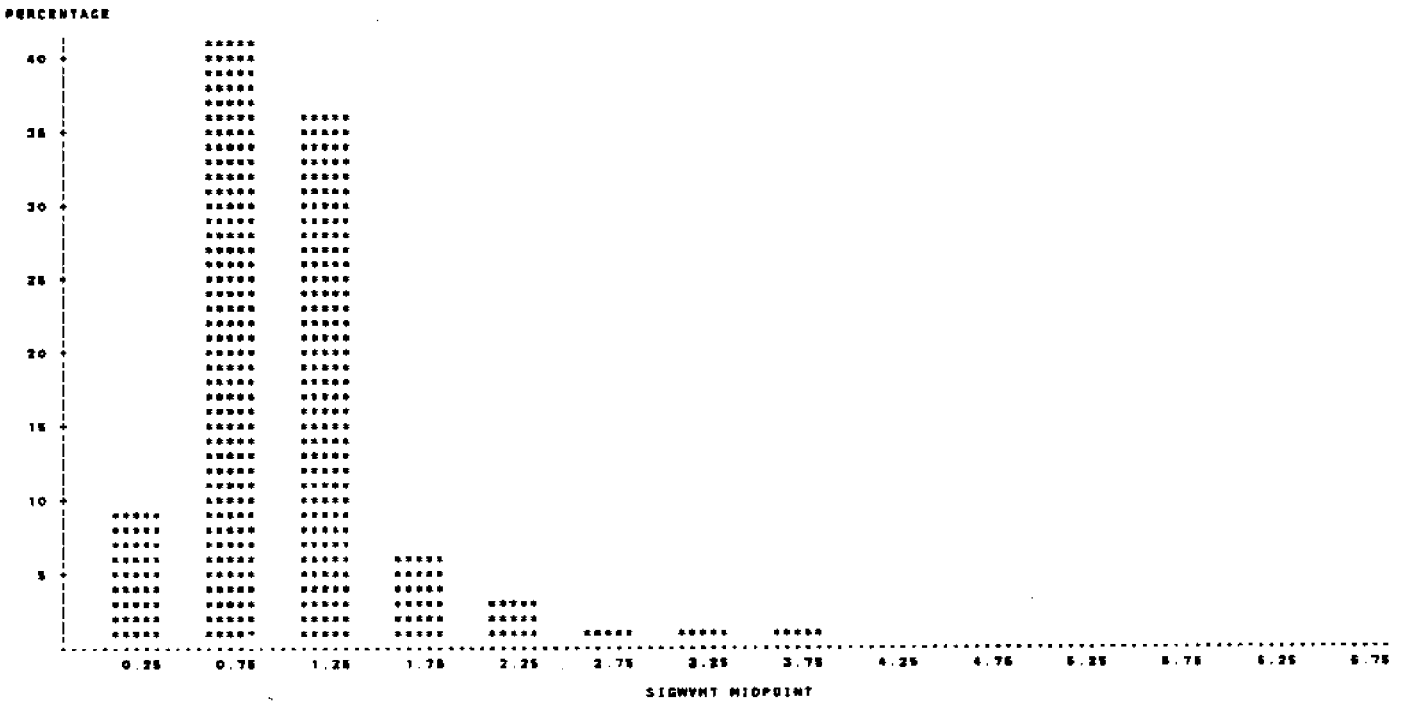


Fig. 3



HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 JANUARY 1980

PERCENTAGE BAR CHART

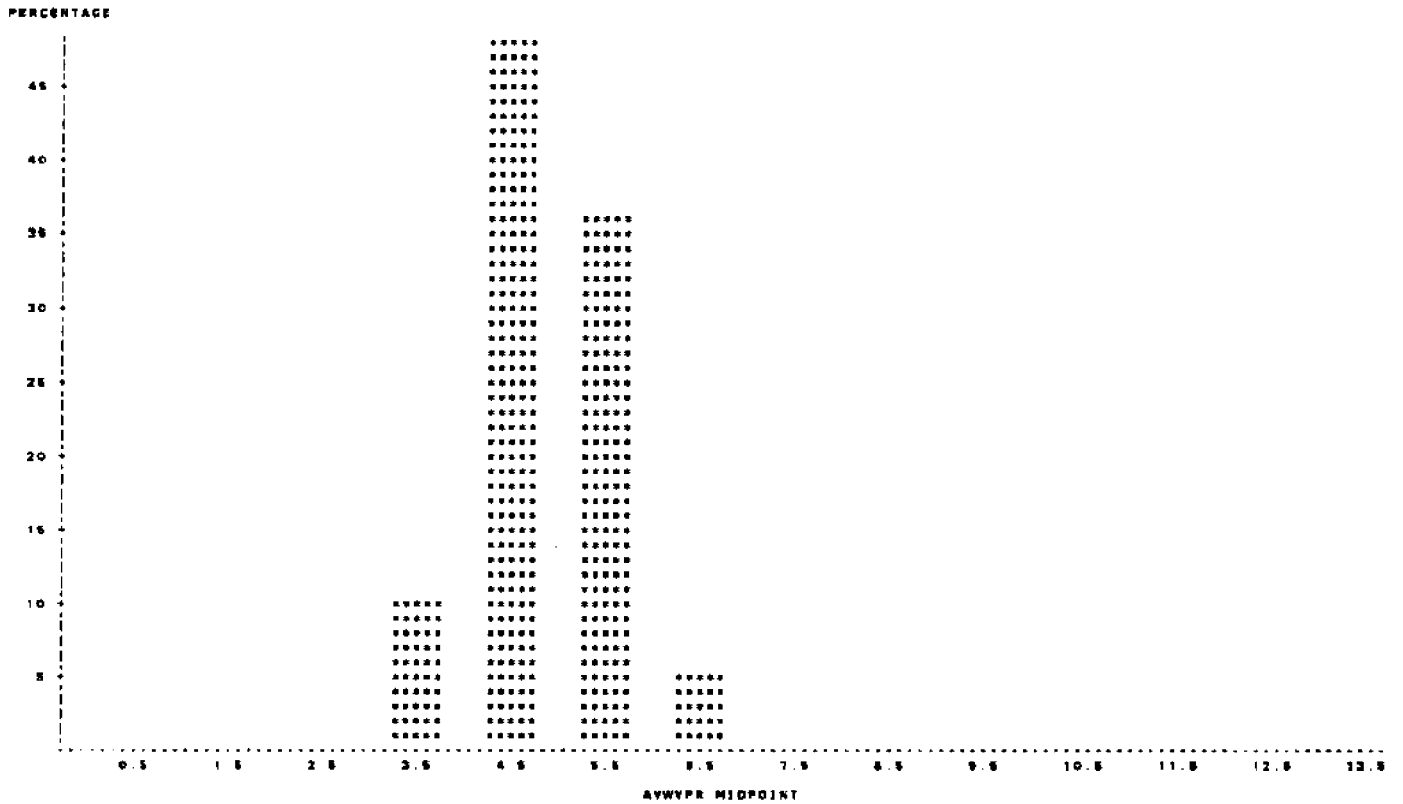


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 JANUARY 1980

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT									TOTAL
FREQUENCY	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	<=4.0	<=4.5	
PERCENT										
ROW PCT										
COL PCT										
<=4.0	32	42	0	0	0	0	0	0	0	74
	4.30	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95
	53.24	58.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	48.38	13.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<=5.0	34	198	115	11	0	0	0	0	0	358
	4.57	28.75	15.85	1.48	0.00	0.00	0.00	0.00	0.00	48.25
	3.47	55.43	32.03	3.09	0.00	0.00	0.00	0.00	0.00	
	48.38	84.81	42.84	22.91	0.00	0.00	0.00	0.00	0.00	
<=6.0	3	57	150	31	18	4	0	0	0	271
	0.40	8.01	20.18	4.17	2.15	0.84	0.00	0.00	0.00	38.42
	1.11	24.73	55.35	11.44	5.90	1.48	0.00	0.00	0.00	
	4.38	21.75	55.35	87.39	75.19	44.44	0.00	0.00	0.00	
<=7.0	0	0	5	4	5	5	5	5	1	38
	0.00	0.00	0.31	0.94	0.87	0.87	1.02	1.21	0.13	6.11
	0.00	0.00	15.79	10.53	13.15	13.15	21.05	23.85	2.82	
	0.00	0.00	2.21	5.70	23.81	55.58	100.00	80.00	50.00	
<=8.0	0	0	0	0	0	0	0	1	1	2
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	50.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	50.00	
TOTAL	88	308	271	48	21	8	5	10	2	744
	8.27	41.40	38.42	6.18	2.82	1.21	1.08	1.34	0.27	100.00

Table 3

DAILY STATISTICS  
 BUOY #42002 JANUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	15.764	0.368	15.400	16.000
SEATEMP	24	21.117	0.082	21.000	21.200
WINDSPED	24	8.606	2.181	2.700	10.000
SIGWVHT	24	1.317	0.340	0.700	1.800
AVWVPR	24	4.580	0.200	4.000	5.000
----- DAY#2 -----					
AIRTEMP	24	17.387	1.454	15.700	18.800
SEATEMP	24	21.221	0.270	20.800	21.600
WINDSPED	24	6.087	1.108	3.100	8.500
SIGWVHT	24	0.478	0.111	0.400	0.700
AVWVPR	24	3.571	0.602	3.200	4.600
----- DAY#3 -----					
AIRTEMP	24	18.986	1.406	18.200	21.400
SEATEMP	24	21.271	0.171	21.100	21.500
WINDSPED	24	8.817	1.884	3.800	10.100
SIGWVHT	24	0.708	0.187	0.400	1.000
AVWVPR	24	3.779	0.182	3.400	4.200
----- DAY#4 -----					
AIRTEMP	24	18.437	1.020	15.800	18.300
SEATEMP	24	21.354	0.095	21.200	21.500
WINDSPED	24	8.333	2.804	2.400	12.000
SIGWVHT	24	1.008	0.321	0.700	2.300
AVWVPR	24	5.062	0.586	4.000	5.800
----- DAY#5 -----					
AIRTEMP	24	18.512	1.134	15.400	18.300
SEATEMP	24	21.167	0.278	20.900	21.600
WINDSPED	24	2.062	1.424	0.100	5.100
SIGWVHT	24	0.882	0.262	0.500	1.400
AVWVPR	24	5.042	0.132	4.800	5.300
----- DAY#6 -----					
AIRTEMP	24	16.860	1.934	17.000	21.200
SEATEMP	24	20.887	0.136	20.800	21.200
WINDSPED	24	5.380	1.484	2.700	7.300
SIGWVHT	24	0.504	0.081	0.400	0.600
AVWVPR	24	3.800	0.582	3.400	5.100

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	21.583	0.241	21.100	21.800
SEATEMP	24	21.028	0.218	20.800	21.500
WINDSPED	24	8.933	2.130	3.000	10.000
SIGWVHT	24	1.333	0.308	0.600	1.800
AVWVPR	24	4.888	0.488	3.700	5.800
----- DAY#8 -----					
AIRTEMP	24	21.682	0.415	21.200	22.600
SEATEMP	24	21.183	0.187	20.800	21.500
WINDSPED	24	4.888	0.870	3.200	6.400
SIGWVHT	24	1.264	0.083	1.100	1.400
AVWVPR	24	5.400	0.188	5.100	5.800
----- DAY#9 -----					
AIRTEMP	24	21.286	0.424	20.300	21.900
SEATEMP	24	21.387	0.120	21.200	21.500
WINDSPED	24	3.328	2.416	0.200	7.200
SIGWVHT	24	1.104	0.184	0.800	1.600
AVWVPR	24	5.387	0.608	4.400	6.900
----- DAY#10 -----					
AIRTEMP	24	21.555	0.581	21.000	22.900
SEATEMP	24	21.382	0.260	20.900	21.900
WINDSPED	24	5.287	1.276	3.800	8.000
SIGWVHT	24	0.825	0.088	0.700	1.000
AVWVPR	24	4.742	0.240	4.100	5.100
----- DAY#11 -----					
AIRTEMP	24	22.612	0.470	22.000	23.700
SEATEMP	24	21.787	0.340	21.500	22.500
WINDSPED	24	4.604	2.764	0.700	9.100
SIGWVHT	24	1.184	0.178	0.800	1.400
AVWVPR	24	4.887	0.588	4.000	5.800
----- DAY#12 -----					
AIRTEMP	24	21.248	0.476	20.780	22.400
SEATEMP	24	21.517	0.288	21.200	22.300
WINDSPED	24	5.846	1.888	1.700	8.000
SIGWVHT	24	1.382	0.383	1.100	2.400
AVWVPR	24	5.812	0.688	4.700	6.800

Table 3 (continue)

DAILY STATISTICS  
 STUDY #42002 JANUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	20.364	0.488	18.300	21.000
SEATEMP	24	21.378	0.088	21.300	21.800
WINDSPED	24	4.820	1.244	1.800	13.800
SIGWVHT	24	1.747	0.583	1.100	2.800
AVWVPR	24	5.742	0.188	5.500	6.100
----- DAY#14 -----					
AIRTEMP	24	20.448	1.048	18.800	22.400
SEATEMP	24	22.171	0.798	21.100	23.800
WINDSPED	24	1.833	1.228	0.100	3.800
SIGWVHT	24	0.721	0.172	0.400	1.100
AVWVPR	24	5.337	0.147	5.000	5.800
----- DAY#15 -----					
AIRTEMP	24	21.382	0.510	20.800	22.200
SEATEMP	24	22.832	0.504	21.300	22.800
WINDSPED	24	4.842	1.203	2.800	8.500
SIGWVHT	24	0.456	0.058	0.400	0.800
AVWVPR	24	4.328	0.261	3.800	5.100
----- DAY#16 -----					
AIRTEMP	24	22.121	0.388	21.800	22.700
SEATEMP	24	21.878	0.184	21.300	21.800
WINDSPED	24	3.487	1.000	2.100	8.400
SIGWVHT	24	0.778	0.139	0.800	1.000
AVWVPR	24	4.882	0.832	4.000	5.500
----- DAY#17 -----					
AIRTEMP	24	22.017	0.484	20.800	22.800
SEATEMP	24	21.778	0.178	21.800	22.100
WINDSPED	24	4.121	1.380	1.800	7.000
SIGWVHT	24	0.708	0.080	0.800	0.800
AVWVPR	24	4.878	0.248	4.300	5.200
----- DAY#18 -----					
AIRTEMP	24	21.878	0.371	21.800	22.800
SEATEMP	24	21.887	0.378	21.800	22.800
WINDSPED	24	4.498	1.780	1.800	8.800
SIGWVHT	24	0.950	0.108	0.700	1.100
AVWVPR	24	5.198	0.240	4.700	5.800

Table 3 (continue)

DAILY STATISTICS  
 STUDY #42002 JANUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	22.778	0.387	22.100	23.300
SEATEMP	24	22.878	0.184	22.400	22.800
WINDSPED	24	8.867	1.808	4.800	8.800
SIGWVHT	24	1.187	0.118	1.000	1.400
AVWVPR	24	5.004	0.218	4.800	5.400
----- DAY#20 -----					
AIRTEMP	24	22.862	0.188	22.800	23.300
SEATEMP	24	22.487	0.120	22.300	22.700
WINDSPED	24	8.733	0.884	4.400	8.700
SIGWVHT	24	0.821	0.078	0.800	1.000
AVWVPR	24	4.828	0.182	4.400	5.000
----- DAY#21 -----					
AIRTEMP	24	22.471	0.187	22.200	22.800
SEATEMP	24	22.287	0.181	22.000	22.500
WINDSPED	24	5.383	1.274	3.400	7.800
SIGWVHT	24	0.887	0.074	0.700	1.000
AVWVPR	24	4.884	0.188	4.300	4.800
----- DAY#22 -----					
AIRTEMP	24	22.428	0.278	22.100	22.800
SEATEMP	24	22.282	0.171	21.800	22.400
WINDSPED	24	8.078	1.814	5.400	11.000
SIGWVHT	24	1.108	0.188	0.800	1.500
AVWVPR	24	4.833	0.218	4.300	5.000
----- DAY#23 -----					
AIRTEMP	24	18.478	2.000	14.200	18.800
SEATEMP	24	21.817	0.178	21.300	21.900
WINDSPED	24	12.882	2.120	8.300	18.800
SIGWVHT	24	3.082	0.887	1.300	4.100
AVWVPR	24	8.237	0.824	4.800	7.200
----- DAY#24 -----					
AIRTEMP	24	15.271	0.888	14.000	17.100
SEATEMP	24	21.378	0.187	21.300	21.800
WINDSPED	24	4.248	2.888	0.300	8.300
SIGWVHT	24	1.804	0.884	0.800	2.800
AVWVPR	24	5.388	0.882	4.700	5.500

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 JANUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY 25 -----					
AIRTEMP	24	18.267	1.690	15.200	21.000
SEATEMP	24	21.212	0.088	21.100	21.400
WINDSPED	24	8.271	1.330	1.700	8.800
SIGWVHT	24	0.804	0.351	0.500	1.900
AYWVPR	24	4.475	0.826	3.500	5.400
----- DAY 26 -----					
AIRTEMP	24	21.075	0.556	20.200	21.900
SEATEMP	24	21.282	0.048	21.200	21.380
WINDSPED	24	5.882	1.438	1.800	10.800
SIGWVHT	24	1.850	0.282	1.100	2.000
AYWVPR	24	5.758	0.340	5.200	6.300
----- DAY 27 -----					
AIRTEMP	24	20.183	0.892	17.400	21.200
SEATEMP	24	21.228	0.046	21.200	21.300
WINDSPED	24	5.432	2.278	1.000	10.700
SIGWVHT	24	1.175	0.193	0.900	1.700
AYWVPR	24	4.728	0.346	4.200	5.300
----- DAY 28 -----					
AIRTEMP	24	18.808	0.981	18.500	21.100
SEATEMP	24	21.284	0.066	21.100	21.360
WINDSPED	24	6.721	1.324	4.400	8.400
SIGWVHT	24	1.027	0.186	0.800	1.300
AYWVPR	24	4.500	0.206	3.800	4.800
----- DAY 29 -----					
AIRTEMP	24	21.800	0.286	21.100	22.000
SEATEMP	24	21.182	0.105	21.000	21.400
WINDSPED	24	5.887	1.183	4.800	10.000
SIGWVHT	24	1.125	0.116	0.900	1.300
AYWVPR	24	4.821	0.398	4.000	5.100
----- DAY 30 -----					
AIRTEMP	24	21.858	0.285	21.400	22.200
SEATEMP	24	20.988	0.274	20.800	21.700
WINDSPED	24	5.800	1.030	5.000	8.700
SIGWVHT	24	1.278	0.102	1.200	1.800
AYWVPR	24	5.048	0.202	4.700	5.400

Table 3 (continue)

DAILY STATISTICS BUOY #42002 JANUARY 1980					
VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY 31 -----					
AIRTEMP	24	18.822	3.841	18.000	22.300
SEATEMP	24	21.782	0.077	21.800	21.900
WINDSPED	24	7.467	3.185	1.800	13.800
SIGWVHT	24	1.978	0.443	1.200	3.400
AYWVPR	24	5.612	0.884	4.800	8.800

Table 3 (continue)

42002 FEBRUARY 1980

Table 1

MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 FEBRUARY 1980

AIRTEMP	AIR TEMPERATURE (C)
SEATEMP	SEA TEMPERATURE (C)
BAROMTR	BAROMETER (MG)
WINDSPED	WIND SPEED (M/SEC)
WINDDRG	WIND DIRECTION (DEGREES FROM TRUE NORTH)
SIGWYHT	SIGNIFICANT WAVE HEIGHTS (M)
AVWVPR	AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	888	18.722	2.809	12.000	24.700	12.700	-0.503	-0.501
SEATEMP	888	21.177	0.490	19.300	23.100	3.800	0.049	0.722
BAROMTR	888	1018.326	4.782	1005.500	1028.900	21.400	0.288	-0.763
WINDSPED	888	8.415	2.850	0.100	18.200	18.100	0.444	-0.758
WINDDRG	888	190.389	87.848	2.800	358.700	358.200	0.839	0.838
SIGWYHT	888	1.448	0.854	0.300	4.200	3.900	0.578	-0.752
AVWVPR	888	8.281	0.868	3.300	7.400	4.100	-0.088	-0.737

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 FEBRUARY 1980  
 PERCENTAGE BAR CHART

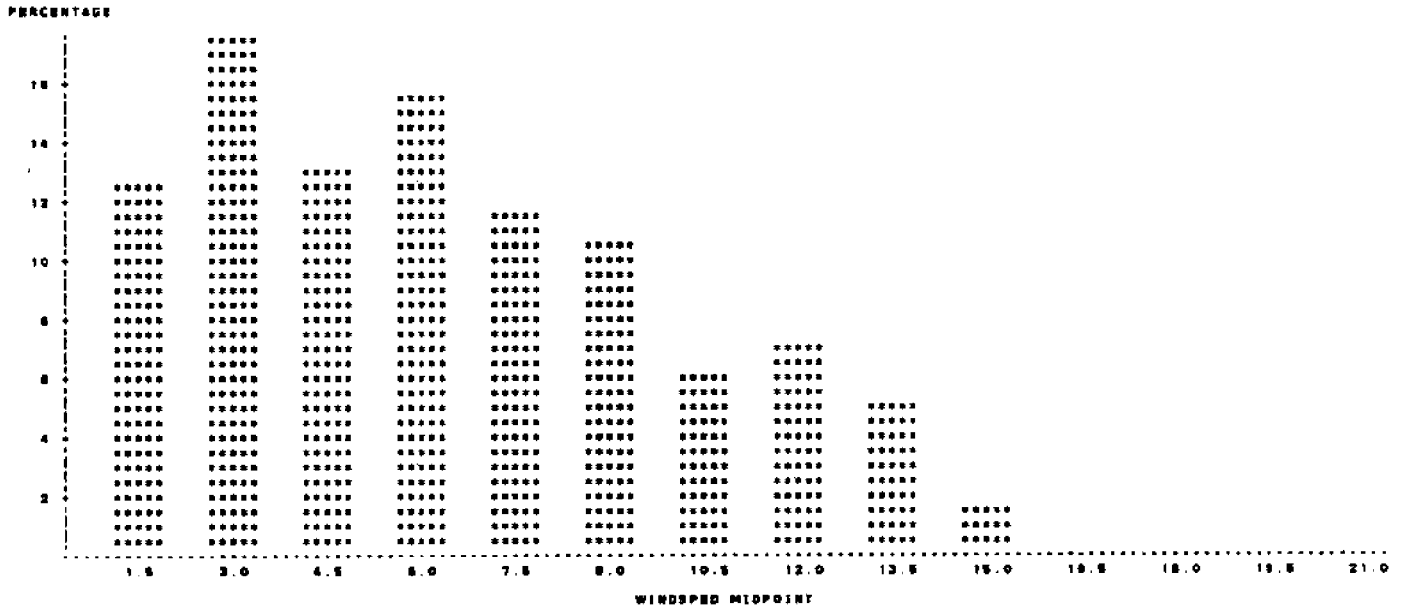


Fig. 1

HISTOGRAM OF WIND DIRECTION (BEARING FROM TRUE NORTH)  
 BUOY #42002 FEBRUARY 1980

PERCENTAGE BAR CHART

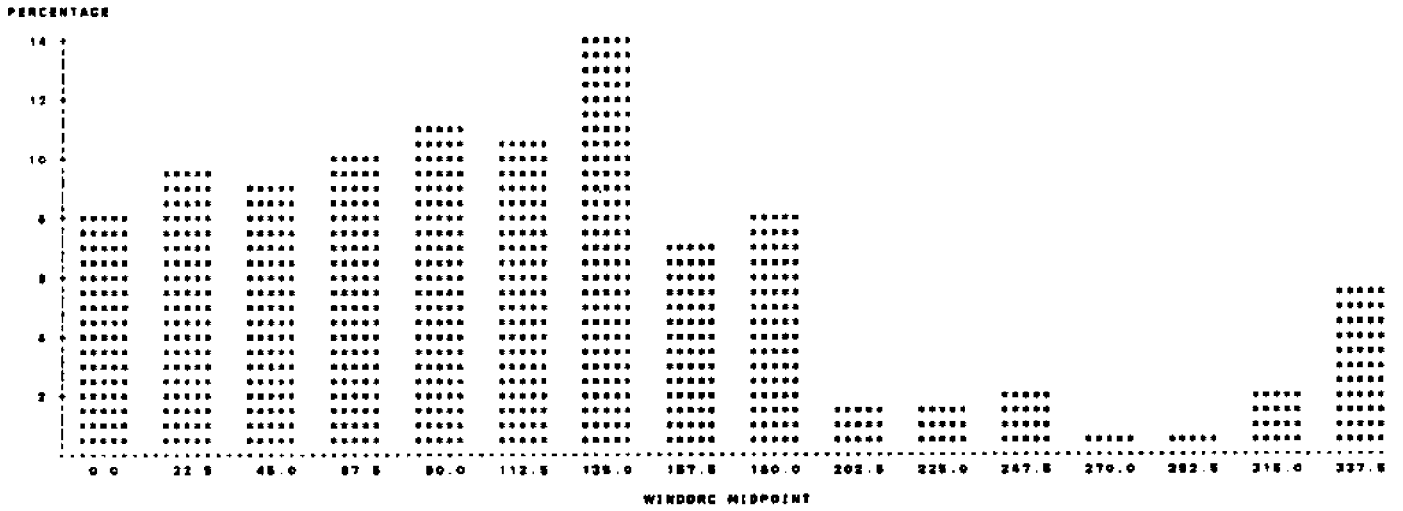


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 FEBRUARY 1980

PERCENTAGE BAR CHART

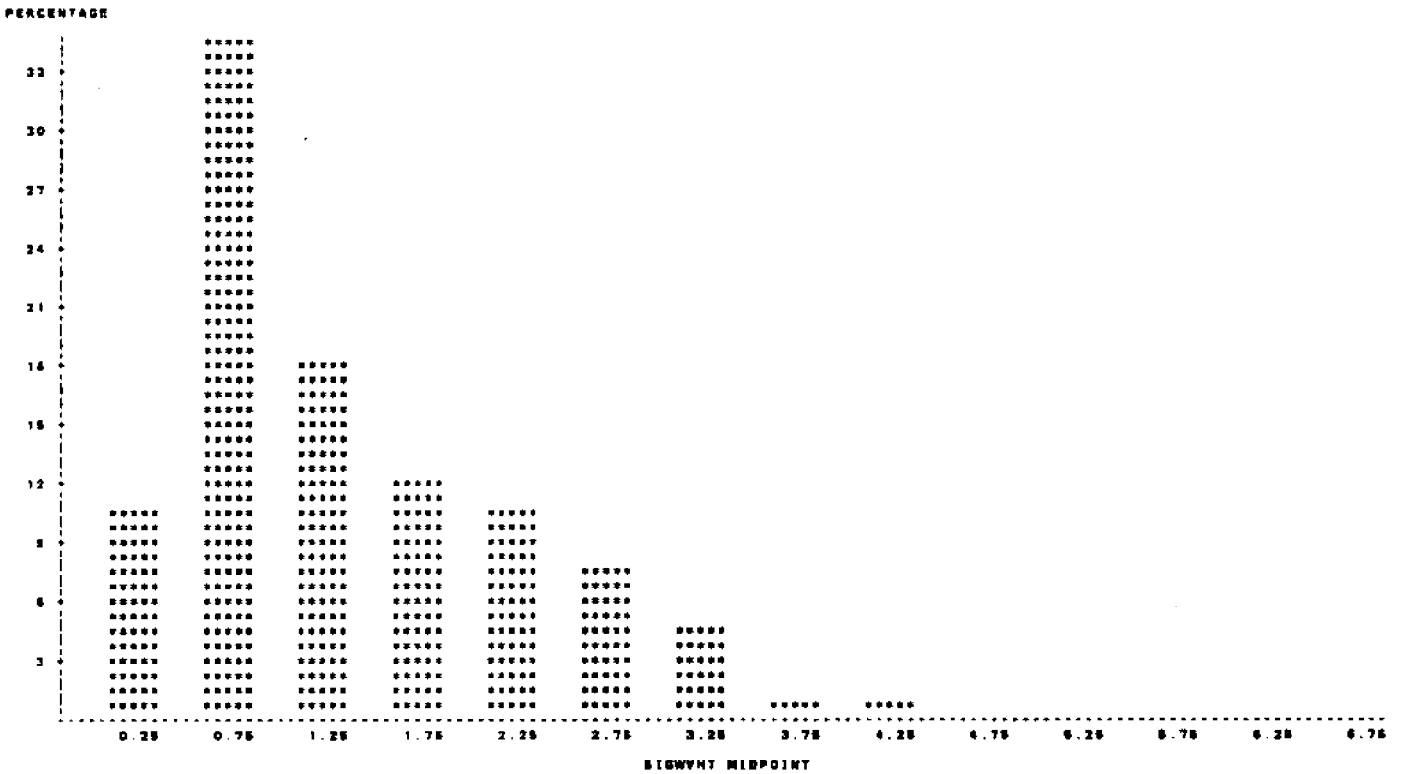


Fig. 3  
 35

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUDY #42002 FEBRUARY 1980

PERCENTAGE BAR CHART

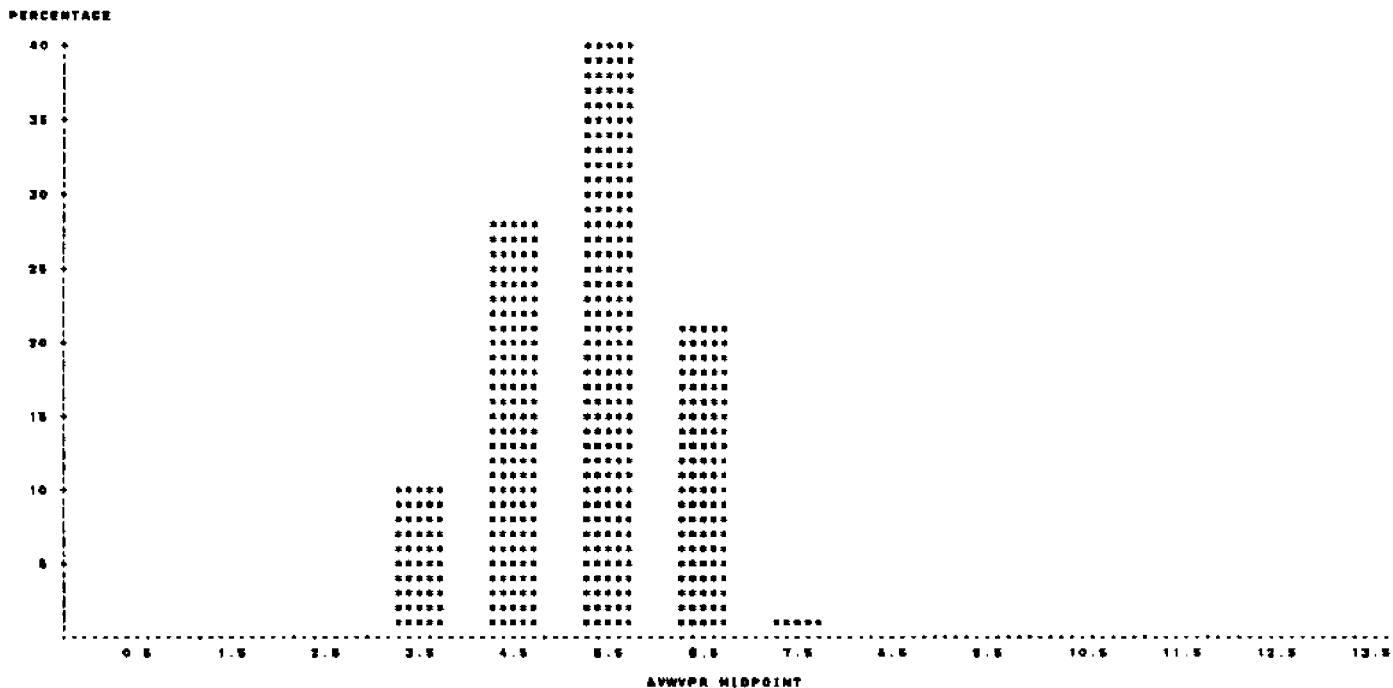


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUDY #42002 FEBRUARY 1980

TABLE OF AVWVPR BY SIGNHT

AVWVPR	SIGNHT									TOTAL
FREQUENCY	<=4.0	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	<=4.0	<=4.5	
PERCENT										
ROW PCT										
COL PCT										
<=4.0	27	41	2	0	0	0	0	0	0	70
	3.88	5.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00	10.00
	38.67	58.87	2.88	0.00	0.00	0.00	0.00	0.00	0.00	
	27.60	17.08	1.87	0.00	0.00	0.00	0.00	0.00	0.00	
<=5.0	38	106	46	10	0	0	0	0	0	197
	5.03	15.23	5.81	1.44	0.00	0.00	0.00	0.00	0.00	28.30
	17.77	53.81	21.15	5.08	0.00	0.00	0.00	0.00	0.00	
	45.51	44.17	38.32	11.53	0.00	0.00	0.00	0.00	0.00	
<=6.0	10	84	89	58	43	11	0	0	0	278
	1.44	12.07	9.81	6.48	6.18	1.88	0.00	0.00	0.00	33.88
	3.82	30.42	28.00	21.38	18.88	3.88	0.00	0.00	0.00	
	13.88	38.00	84.33	88.89	57.23	20.78	0.00	0.00	0.00	
<=7.0	0	8	10	17	22	42	31	8	0	148
	0.00	1.28	1.44	2.44	4.80	8.02	4.48	0.72	0.00	20.98
	0.00	8.18	8.88	11.84	21.92	28.77	21.22	3.42	0.00	
	0.00	3.78	7.87	18.77	42.87	79.28	83.84	71.42	0.00	
<=8.0	0	0	0	0	0	0	2	2	2	7
	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.28	0.42	1.01
	0.00	0.00	0.00	0.00	0.00	0.00	28.57	28.57	42.88	
	0.00	0.00	0.00	0.00	0.00	0.00	8.08	28.87	100.00	
TOTAL	72	240	127	48	78	83	33	7	3	884
	10.36	34.48	18.28	12.36	10.78	7.61	4.74	1.01	0.43	100.00

Table 2



DAILY STATISTICS  
 BUOY #42002 FEBRUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY #1 -----					
AIRTEMP	24	13.733	0.580	13.000	14.500
SEATEMP	24	21.429	0.237	21.500	22.200
WINDSPED	24	11.004	1.878	7.200	13.500
SIGWVHT	24	2.988	0.201	2.700	3.500
AVWVPR	24	6.578	0.188	6.300	7.000
----- DAY #2 -----					
AIRTEMP	24	15.278	0.624	13.500	18.700
SEATEMP	24	21.484	0.089	21.400	21.800
WINDSPED	24	8.850	1.748	2.200	8.200
SIGWVHT	24	1.778	0.380	1.300	2.800
AVWVPR	24	5.812	0.520	5.100	6.500
----- DAY #3 -----					
AIRTEMP	24	17.142	0.502	16.500	17.500
SEATEMP	24	21.484	0.088	21.400	21.500
WINDSPED	24	7.104	1.820	2.800	10.700
SIGWVHT	24	1.488	0.141	1.300	1.700
AVWVPR	24	5.071	0.288	4.800	5.500
----- DAY #4 -----					
AIRTEMP	24	15.804	0.881	15.900	18.000
SEATEMP	24	21.329	0.088	21.200	21.500
WINDSPED	24	4.475	0.818	2.500	5.500
SIGWVHT	24	0.812	0.288	0.400	1.200
AVWVPR	24	4.421	0.208	4.000	4.500
----- DAY #5 -----					
AIRTEMP	24	18.278	0.880	17.900	21.100
SEATEMP	24	21.178	0.088	21.100	21.400
WINDSPED	24	5.287	2.080	0.700	9.100
SIGWVHT	24	0.878	0.181	0.400	0.900
AVWVPR	24	3.782	0.202	3.300	4.200
----- DAY #6 -----					
AIRTEMP	24	18.178	0.788	17.900	20.800
SEATEMP	24	21.087	0.128	20.800	21.300
WINDSPED	24	5.287	2.878	0.200	10.700
SIGWVHT	24	1.021	0.580	0.400	2.000
AVWVPR	24	4.863	0.838	3.400	5.800

Table 3

DAILY STATISTICS  
 BUOY #42002 FEBRUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY #7 -----					
AIRTEMP	24	18.248	1.127	17.500	20.800
SEATEMP	24	21.142	0.181	20.800	21.400
WINDSPED	24	10.478	1.581	7.800	12.900
SIGWVHT	24	1.857	0.351	1.200	2.300
AVWVPR	24	4.912	0.300	4.500	5.400
----- DAY #8 -----					
AIRTEMP	24	21.517	0.447	20.700	22.100
SEATEMP	24	21.282	0.184	20.800	21.500
WINDSPED	24	10.800	2.377	6.900	14.400
SIGWVHT	24	2.708	0.217	2.400	3.000
AVWVPR	24	5.187	0.314	5.500	5.800
----- DAY #9 -----					
AIRTEMP	24	20.829	2.202	15.300	22.100
SEATEMP	24	21.388	0.108	21.300	21.700
WINDSPED	24	7.888	3.854	3.400	18.100
SIGWVHT	24	2.278	0.378	1.800	3.400
AVWVPR	24	5.150	0.338	5.200	5.900
----- DAY #10 -----					
AIRTEMP	24	13.833	0.588	13.400	15.400
SEATEMP	24	21.350	0.088	21.300	21.500
WINDSPED	24	11.087	2.274	7.700	14.800
SIGWVHT	24	3.187	0.884	2.000	4.200
AVWVPR	24	5.878	0.442	5.800	7.400
----- DAY #11 -----					
AIRTEMP	24	15.471	1.283	13.700	17.400
SEATEMP	24	21.671	0.287	21.400	22.200
WINDSPED	24	3.187	1.558	0.200	7.100
SIGWVHT	24	1.021	0.422	0.500	2.000
AVWVPR	24	5.028	0.228	4.800	5.200
----- DAY #12 -----					
AIRTEMP	24	17.933	0.730	16.300	18.500
SEATEMP	24	21.187	0.288	20.400	21.500
WINDSPED	24	5.388	2.780	2.000	11.400
SIGWVHT	24	0.408	0.388	0.300	2.100
AVWVPR	24	4.082	0.414	3.300	5.200

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 FEBRUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY+13 -----					
AIRTEMP	24	17.704	1.284	15.800	19.800
SEATEMP	24	20.700	0.172	20.500	20.900
WINDSPED	24	11.343	1.428	8.400	13.200
SIWVHT	24	2.287	0.282	1.800	2.800
AVWVPR	24	5.882	0.215	5.400	6.200
----- DAY+14 -----					
AIRTEMP	24	21.008	0.738	19.800	22.000
SEATEMP	24	21.029	0.408	20.700	21.800
WINDSPED	24	5.875	2.389	3.200	10.700
SIWVHT	24	1.889	0.188	1.300	2.000
AVWVPR	24	5.821	0.287	5.300	6.200
----- DAY+15 -----					
AIRTEMP	24	21.328	0.808	20.300	22.500
SEATEMP	24	21.247	0.430	20.800	22.200
WINDSPED	24	2.298	0.818	0.800	3.900
SIWVHT	24	1.025	0.139	0.800	1.300
AVWVPR	24	5.812	0.288	5.400	6.300
----- DAY+16 -----					
AIRTEMP	24	21.112	1.127	17.800	22.800
SEATEMP	24	20.812	0.888	19.300	21.700
WINDSPED	24	4.078	2.412	0.800	13.800
SIWVHT	24	0.708	0.288	0.500	1.800
AVWVPR	24	5.078	0.888	4.100	6.200
----- DAY+17 -----					
AIRTEMP	24	13.248	1.176	12.000	15.800
SEATEMP	24	20.821	0.082	20.200	20.900
WINDSPED	24	10.021	3.251	5.800	18.200
SIWVHT	24	2.848	0.521	2.000	3.900
AVWVPR	24	5.417	0.328	5.300	6.800
----- DAY+18 -----					
AIRTEMP	24	18.217	1.802	13.300	19.800
SEATEMP	24	20.287	0.174	20.200	20.800
WINDSPED	24	4.882	1.782	1.800	7.700
SIWVHT	24	1.282	0.302	0.800	2.100
AVWVPR	24	5.188	0.388	4.800	6.200

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 FEBRUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY+19 -----					
AIRTEMP	24	19.129	1.167	17.700	21.000
SEATEMP	24	20.888	0.148	20.300	20.800
WINDSPED	24	5.447	2.339	1.800	8.888
SIWVHT	24	0.782	0.108	0.800	1.000
AVWVPR	24	4.833	0.851	3.700	6.400
----- DAY+20 -----					
AIRTEMP	24	20.962	0.382	20.500	21.500
SEATEMP	24	20.880	0.188	20.400	20.800
WINDSPED	24	6.278	0.427	6.700	8.000
SIWVHT	24	0.988	0.084	0.800	1.100
AVWVPR	24	4.812	0.181	4.200	4.800
----- DAY+21 -----					
AIRTEMP	24	21.250	0.478	20.400	22.300
SEATEMP	24	20.888	0.188	20.500	21.000
WINDSPED	24	5.084	2.823	0.800	11.800
SIWVHT	24	1.282	0.187	1.000	1.800
AVWVPR	24	4.782	0.388	4.300	5.200
----- DAY+22 -----					
AIRTEMP	24	21.784	0.847	20.800	24.700
SEATEMP	24	21.188	0.744	20.600	22.100
WINDSPED	24	2.887	1.803	0.100	7.000
SIWVHT	24	1.082	0.188	0.800	1.200
AVWVPR	24	5.812	0.178	5.200	6.000
----- DAY+23 -----					
AIRTEMP	24	22.087	0.448	21.400	22.800
SEATEMP	24	21.888	0.281	21.200	22.400
WINDSPED	24	3.888	1.800	1.100	7.100
SIWVHT	24	0.821	0.088	0.700	1.000
AVWVPR	24	5.317	0.243	4.900	5.800
----- DAY+24 -----					
AIRTEMP	24	22.180	0.708	21.400	23.800
SEATEMP	24	21.483	0.248	21.400	22.800
WINDSPED	24	2.078	0.870	0.800	4.500
SIWVHT	24	0.888	0.088	0.800	0.700
AVWVPR	24	5.012	0.118	4.800	5.200

Table 3 (continue)

DAILY STATISTICS  
 RUDY #42002 FEBRUARY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	20.487	1.836	18.100	22.600
SEATEMP	24	21.887	0.688	20.800	22.600
WINDSPED	24	8.812	4.830	0.700	14.000
SIGWVHT	24	1.487	1.148	0.400	3.600
AVWVPR	24	4.808	0.841	3.500	6.800
----- DAY#26 -----					
AIRTEMP	24	17.784	0.728	16.500	18.900
SEATEMP	24	21.017	0.087	20.800	21.200
WINDSPED	24	8.708	2.188	4.100	12.700
SIGWVHT	24	2.482	0.818	1.700	3.800
AVWVPR	24	8.017	0.401	8.500	8.500
----- DAY#27 -----					
AIRTEMP	24	17.680	0.878	16.800	18.800
SEATEMP	24	21.142	0.288	20.800	21.800
WINDSPED	24	2.888	0.781	1.300	4.800
SIGWVHT	24	1.237	0.321	0.800	1.800
AVWVPR	24	8.078	0.282	8.800	8.700
----- DAY#28 -----					
AIRTEMP	24	18.888	0.870	18.200	20.200
SEATEMP	24	21.288	0.128	21.200	21.800
WINDSPED	24	3.878	1.188	1.800	8.700
SIGWVHT	24	0.884	0.122	0.400	0.800
AVWVPR	24	8.182	0.287	4.100	8.700
----- DAY#29 -----					
AIRTEMP	24	21.084	0.442	20.200	21.700
SEATEMP	24	21.878	0.217	21.200	21.900
WINDSPED	24	8.748	1.088	4.700	8.800
SIGWVHT	24	0.712	0.088	0.500	0.800
AVWVPR	24	3.880	0.118	3.700	4.100

Table 3 (continue)

42002 MARCH 1980

MONTHLY WAVE STATISTIC SUMMARY  
 STUDY #42002 MARCH 1980

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	744	21.114	2.855	8.300	24.300	16.000	-2.475	6.073
SEATEMP	744	21.888	0.771	20.800	23.800	2.800	0.391	-0.847
BAROMTR	744	1013.787	5.330	1003.800	1021.200	27.700	0.828	1.240
WINDSPD	744	7.018	3.254	0.100	18.800	18.800	0.094	-0.852
WINDDRC	744	128.488	77.787	0.800	358.800	358.300	0.871	1.221
SIGWVHT	744	1.808	0.720	0.400	5.100	4.700	1.838	4.106
AVWVPR	744	5.411	0.686	3.700	7.600	4.100	0.388	0.821

HISTOGRAM OF WIND SPEED [M/SEC]  
 STUDY #42002 MARCH 1980

PERCENTAGE BAR CHART

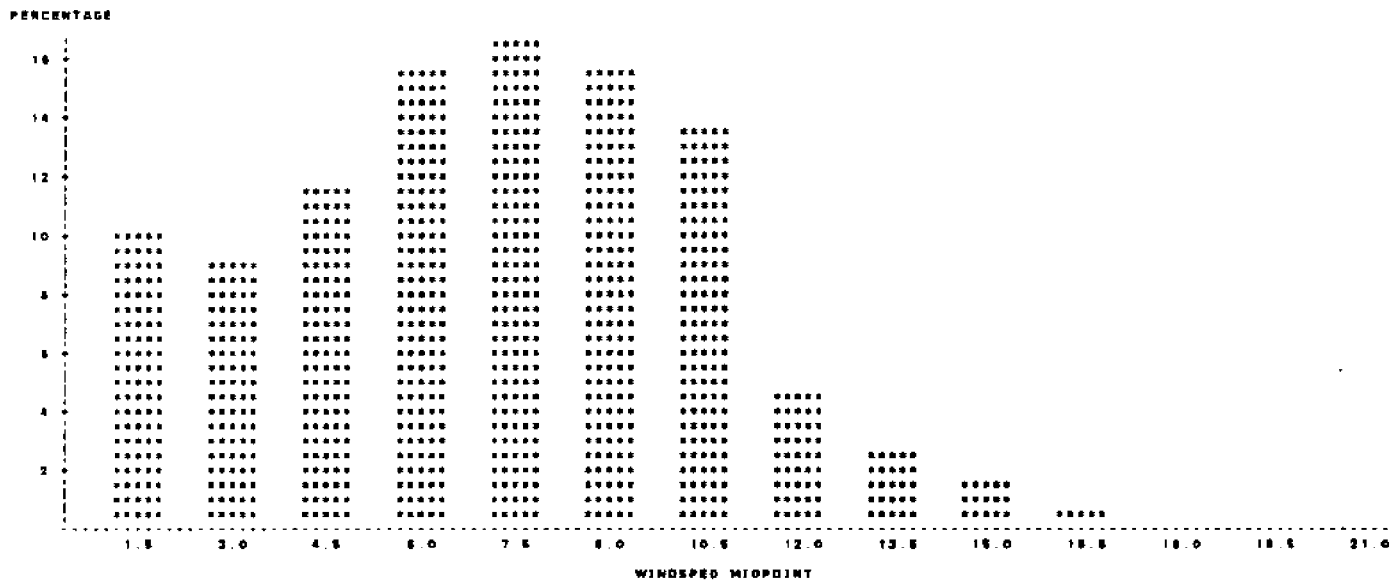


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 MARCH 1980

PERCENTAGE BAR CHART

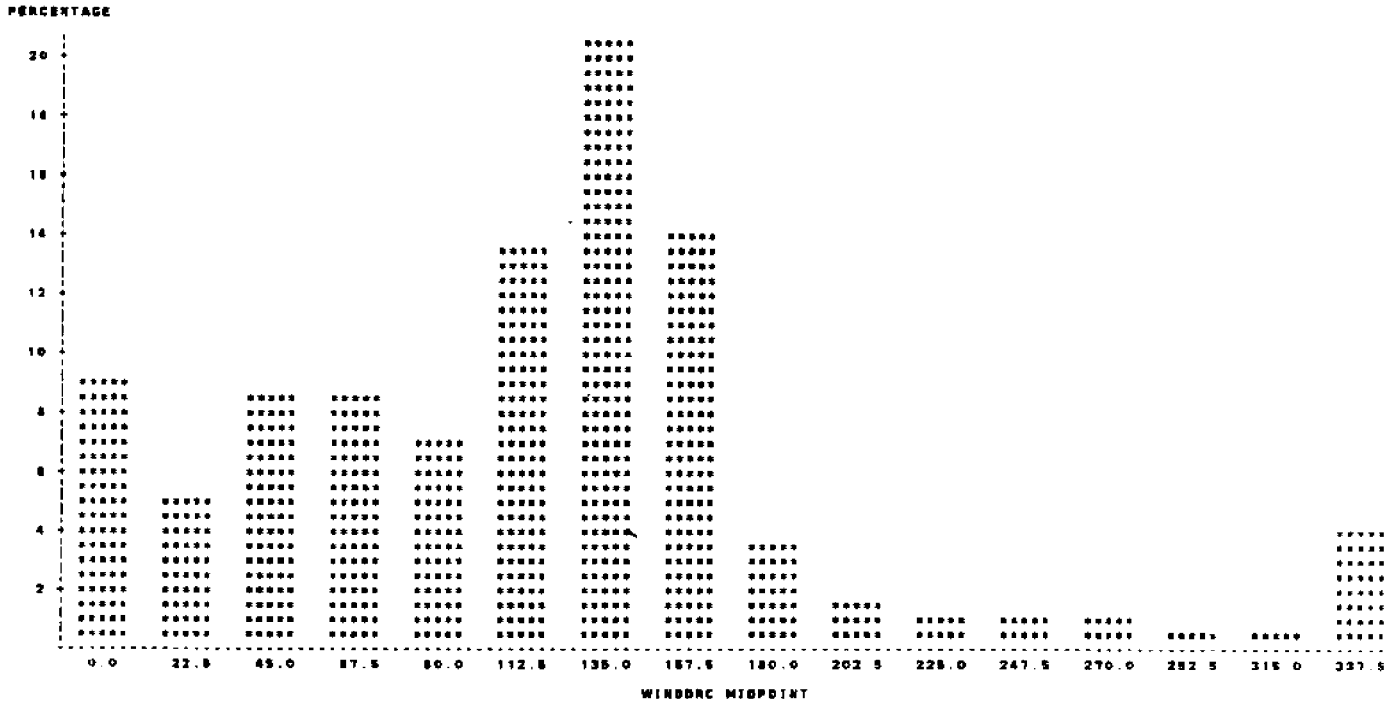


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 MARCH 1980

PERCENTAGE BAR CHART

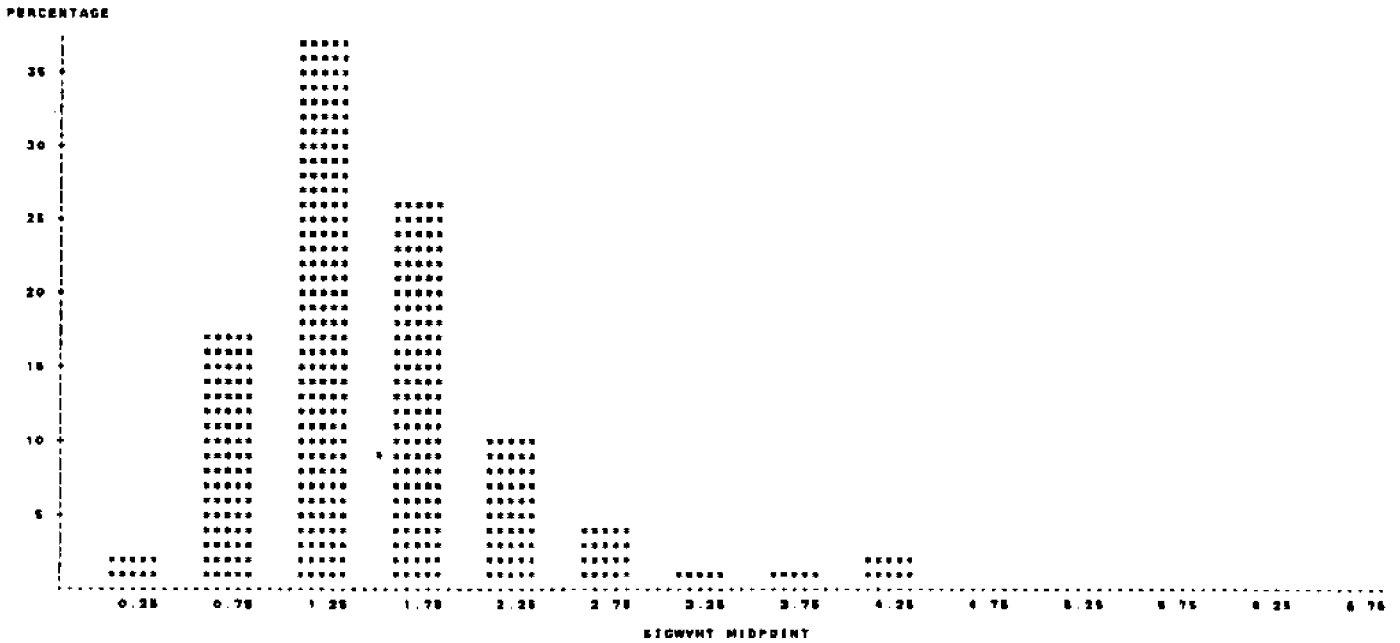


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 MARCH 1960

PERCENTAGE BAR CHART

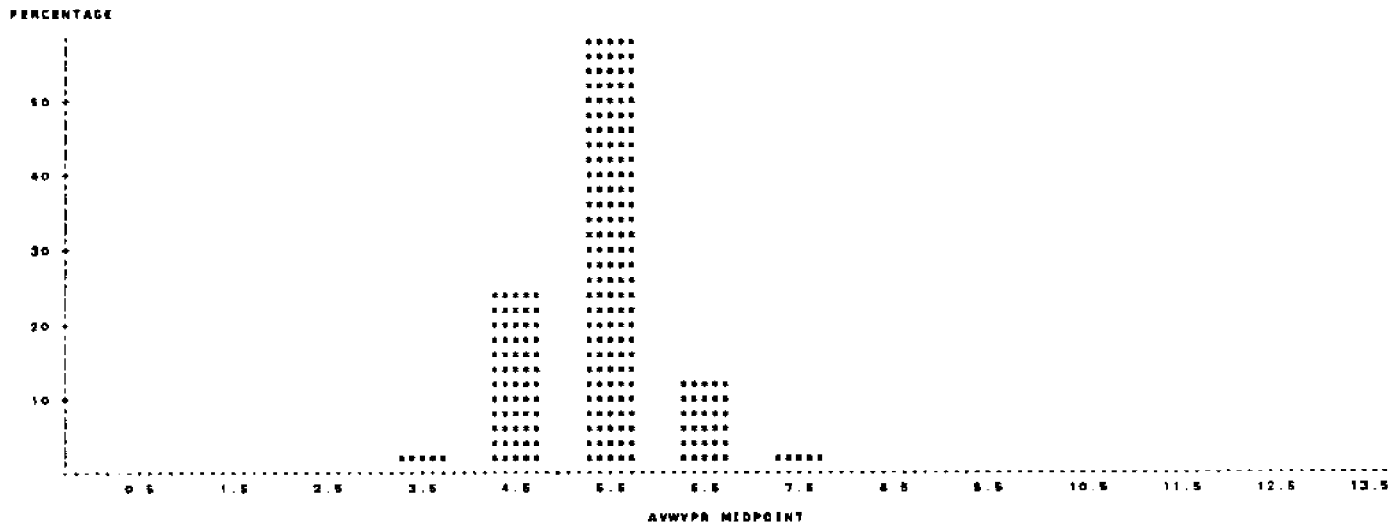


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 MARCH 1960

TABLE OF AWWPR BY SIGWHT

AWWPR	SIGWHT											TOTAL
	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	<=4.0	<=4.5	<=5.0	<=5.5	
<=4.0	3 0.40 15.00 23.03	2 15 2.15 80.00 13.01	1 0.13 5.00 6.36	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	20 2.58
<=4.5	5 1.93 4.40 81.54	49 8.57 26.52 39.54	88 13.17 53.36 35.28	27 3.63 14.84 14.21	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	187 24.48
<=5.0	2 0.27 0.46 18.38	58 7.80 13.43 47.15	184 22.04 37.86 59.89	137 18.41 31.71 72.11	89 7.83 13.89 77.83	12 1.61 2.78 34.36	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	432 52.05
<=7.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	15 2.02 16.85 6.40	26 3.48 29.21 13.88	17 2.28 19.10 22.37	31 2.82 23.80 83.84	5 0.66 8.89 80.00	2 0.27 3.28 33.33	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	59 11.96
<=8.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	2 0.27 8.52 20.00	4 0.54 18.08 68.87	12 1.61 57.14 100.00	2 0.27 9.52 100.00	1 0.13 4.78 100.00	21 2.82
TOTAL	13 1.78	123 18.82	278 37.37	190 26.84	78 10.22	33 4.44	10 1.34	8 0.81	12 1.61	2 0.27	1 0.13	744 100.00

Table 2

DAILY STATISTICS  
 BUDY #42002 MARCH 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:1 -----					
AIRTEMP	24	20.421	2.344	14.400	22.400
SEATEMP	24	21.848	0.108	21.300	21.700
WINDSPED	24	7.808	4.778	1.800	18.800
SIGWYHT	24	1.284	0.848	0.700	4.000
AVWVPR	24	4.704	0.888	4.000	6.700
----- DAY:2 -----					
AIRTEMP	24	16.828	1.402	9.300	13.800
SEATEMP	24	21.108	0.088	21.000	21.200
WINDSPED	24	12.984	1.817	8.300	18.800
SIGWYHT	24	4.117	0.812	2.800	5.100
AVWVPR	24	7.283	0.313	6.800	7.800
----- DAY:3 -----					
AIRTEMP	24	12.000	1.832	8.800	15.800
SEATEMP	24	20.917	0.078	20.800	21.100
WINDSPED	24	4.317	1.884	1.300	8.800
SIGWYHT	24	1.812	0.882	0.800	3.000
AVWVPR	24	5.887	0.978	4.800	8.800
----- DAY:4 -----					
AIRTEMP	24	18.271	1.877	15.800	21.400
SEATEMP	24	20.421	0.041	20.800	20.800
WINDSPED	24	10.282	1.880	7.100	12.800
SIGWYHT	24	1.404	0.848	0.800	2.800
AVWVPR	24	4.937	0.844	4.000	6.000
----- DAY:5 -----					
AIRTEMP	24	21.321	0.482	20.800	22.300
SEATEMP	24	21.088	0.388	20.800	21.800
WINDSPED	24	8.282	3.311	1.800	10.700
SIGWYHT	24	1.842	0.282	1.400	2.700
AVWVPR	24	5.887	0.271	5.800	6.800
----- DAY:6 -----					
AIRTEMP	24	21.482	0.284	21.100	22.000
SEATEMP	24	21.088	0.128	20.800	21.400
WINDSPED	24	5.228	1.102	3.300	6.800
SIGWYHT	24	1.282	0.257	1.000	1.800
AVWVPR	24	6.421	0.808	4.800	8.700

Table 3

DAILY STATISTICS  
 BUDY #42003 MARCH 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:7 -----					
AIRTEMP	24	22.182	0.282	21.800	22.900
SEATEMP	24	21.280	0.248	21.000	21.800
WINDSPED	24	7.882	1.442	4.800	10.100
SIGWYHT	24	1.284	0.172	1.000	1.800
AVWVPR	24	4.828	0.248	4.200	5.000
----- DAY:8 -----					
AIRTEMP	24	22.484	0.388	22.000	23.100
SEATEMP	24	22.037	0.288	21.700	22.800
WINDSPED	24	4.382	1.782	1.100	8.800
SIGWYHT	24	1.242	0.232	1.000	1.800
AVWVPR	24	5.387	0.208	5.000	5.700
----- DAY:9 -----					
AIRTEMP	24	22.642	0.884	21.800	23.800
SEATEMP	24	22.282	0.838	21.700	23.800
WINDSPED	24	1.887	1.148	0.100	6.300
SIGWYHT	24	1.082	0.117	0.800	1.300
AVWVPR	24	5.882	0.302	5.000	6.300
----- DAY:10 -----					
AIRTEMP	24	22.871	0.337	22.300	23.400
SEATEMP	24	22.788	0.288	22.500	23.300
WINDSPED	24	3.782	1.688	1.800	6.800
SIGWYHT	24	0.782	0.174	0.800	1.100
AVWVPR	24	5.387	0.231	4.800	5.700
----- DAY:11 -----					
AIRTEMP	24	22.812	0.313	22.200	23.100
SEATEMP	24	22.382	0.312	21.800	22.800
WINDSPED	24	5.142	1.812	0.800	8.400
SIGWYHT	24	0.887	0.113	0.400	0.800
AVWVPR	24	4.371	0.840	3.700	5.700
----- DAY:12 -----					
AIRTEMP	24	22.887	0.404	22.000	23.400
SEATEMP	24	21.928	0.497	21.800	22.800
WINDSPED	24	8.271	2.823	1.400	10.000
SIGWYHT	24	1.000	0.228	0.800	1.300
AVWVPR	24	4.882	0.887	3.800	5.800

Table 3 (continue)



DAILY STATISTICS  
 STUDY #42002 MARCH 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY# 13 -----					
AIRTEMP	24	21.942	0.848	20.800	22.800
SEATEMP	24	21.887	0.228	21.800	22.800
WINDSPED	24	8.528	8.481	0.800	13.800
SIGWVHT	24	1.528	0.224	1.300	2.100
AVWVPR	24	5.887	0.618	4.800	6.800
----- DAY# 14 -----					
AIRTEMP	24	20.817	0.282	20.100	21.100
SEATEMP	24	21.071	0.171	20.800	21.800
WINDSPED	24	8.833	0.484	8.100	10.800
SIGWVHT	24	2.042	0.132	1.800	2.300
AVWVPR	24	5.487	0.182	5.100	5.800
----- DAY# 15 -----					
AIRTEMP	24	20.888	0.808	20.000	22.100
SEATEMP	24	20.871	0.088	20.800	21.200
WINDSPED	24	8.162	0.823	6.100	9.100
SIGWVHT	24	1.917	0.383	1.400	2.800
AVWVPR	24	5.583	0.328	5.000	6.200
----- DAY# 16 -----					
AIRTEMP	24	22.350	0.807	21.800	23.100
SEATEMP	24	21.888	0.288	21.100	22.000
WINDSPED	24	8.312	0.837	7.500	11.000
SIGWVHT	24	1.888	0.144	1.800	2.000
AVWVPR	24	5.200	0.232	4.800	5.800
----- DAY# 17 -----					
AIRTEMP	24	22.700	0.228	22.300	23.100
SEATEMP	24	21.721	0.212	21.800	22.100
WINDSPED	24	8.371	1.811	2.700	9.000
SIGWVHT	24	1.882	0.142	1.400	2.000
AVWVPR	24	5.788	0.187	5.400	6.200
----- DAY# 18 -----					
AIRTEMP	24	18.287	0.802	17.100	20.100
SEATEMP	24	21.382	0.272	21.000	22.000
WINDSPED	24	11.282	2.087	8.100	14.800
SIGWVHT	24	2.722	0.411	1.800	3.800
AVWVPR	24	5.228	0.828	5.100	7.200

Table 3 (continue)

DAILY STATISTICS  
 STUDY #42002 MARCH 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY# 19 -----					
AIRTEMP	24	21.350	1.128	18.800	22.800
SEATEMP	24	21.087	0.148	20.800	21.400
WINDSPED	24	8.388	2.488	0.300	9.000
SIGWVHT	24	1.782	0.308	1.300	2.200
AVWVPR	24	5.784	0.234	5.400	6.400
----- DAY# 20 -----					
AIRTEMP	24	22.887	0.488	22.100	23.300
SEATEMP	24	21.421	0.408	21.000	22.400
WINDSPED	24	7.800	1.720	3.000	10.100
SIGWVHT	24	1.308	0.102	1.100	1.800
AVWVPR	24	4.782	0.147	4.500	5.000
----- DAY# 21 -----					
AIRTEMP	24	20.887	1.708	18.500	23.000
SEATEMP	24	21.779	0.388	21.300	22.300
WINDSPED	24	7.717	4.278	1.800	12.800
SIGWVHT	24	1.884	0.884	1.000	3.000
AVWVPR	24	5.821	0.817	4.800	6.800
----- DAY# 22 -----					
AIRTEMP	24	19.782	1.052	18.700	21.800
SEATEMP	24	21.812	0.178	21.800	22.200
WINDSPED	24	7.388	0.778	5.800	8.800
SIGWVHT	24	1.804	0.384	1.300	2.800
AVWVPR	24	5.312	0.828	4.800	6.400
----- DAY# 23 -----					
AIRTEMP	24	22.488	0.887	21.500	23.800
SEATEMP	24	22.188	0.080	22.100	22.200
WINDSPED	24	10.384	0.888	8.800	11.800
SIGWVHT	24	1.721	0.188	1.300	2.000
AVWVPR	24	5.028	0.232	4.700	5.400
----- DAY# 24 -----					
AIRTEMP	24	22.888	0.378	21.800	23.200
SEATEMP	24	22.283	0.267	22.100	23.000
WINDSPED	24	8.871	3.328	1.800	11.100
SIGWVHT	24	1.887	0.272	1.200	2.000
AVWVPR	24	5.428	0.184	5.000	5.800

Table 3 (continue)

DAILY STATISTICS  
BUDY #42002 MARCH 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	22.047	0.368	21.800	22.700
SEATEMP	24	22.296	0.112	22.100	22.500
WINDSPED	24	6.167	1.221	5.300	10.500
SIGWYHT	24	1.817	0.108	1.400	1.900
AVWYPR	24	5.206	0.162	4.900	5.500
----- DAY#26 -----					
AIRTEMP	24	22.767	0.442	21.900	23.500
SEATEMP	24	22.600	0.355	22.300	23.300
WINDSPED	24	4.879	2.463	1.300	11.100
SIGWYHT	24	1.184	0.218	0.900	1.500
AVWYPR	24	5.175	0.291	4.200	5.400
----- DAY#27 -----					
AIRTEMP	24	22.850	0.773	21.500	24.100
SEATEMP	24	22.837	0.202	22.400	23.000
WINDSPED	24	7.754	1.882	4.300	11.500
SIGWYHT	24	1.879	0.440	1.400	2.500
AVWYPR	24	5.742	0.501	4.300	6.400
----- DAY#28 -----					
AIRTEMP	24	23.431	0.267	23.000	23.800
SEATEMP	24	22.917	0.278	22.700	23.500
WINDSPED	24	4.887	2.142	1.300	7.700
SIGWYHT	24	1.204	0.130	1.000	1.400
AVWYPR	24	5.282	0.226	5.100	5.000
----- DAY#29 -----					
AIRTEMP	24	23.867	0.184	23.700	24.300
SEATEMP	24	23.500	0.072	23.400	23.600
WINDSPED	24	5.742	1.414	2.800	8.100
SIGWYHT	24	1.812	0.165	1.200	1.800
AVWYPR	24	5.708	0.518	4.700	5.400
----- DAY#30 -----					
AIRTEMP	24	21.278	0.957	20.300	23.700
SEATEMP	24	22.204	0.214	22.000	23.600
WINDSPED	24	5.880	2.288	4.100	11.700
SIGWYHT	24	2.056	0.317	1.400	2.500
AVWYPR	24	5.812	0.372	5.300	6.800

Table 3 (continue)

DAILY STATISTICS  
BUDY #42002 MARCH 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	24	21.117	0.917	20.100	22.800
SEATEMP	24	22.876	0.123	22.700	23.300
WINDSPED	24	5.767	2.964	2.700	11.000
SIGWYHT	24	1.127	0.222	0.800	1.900
AVWYPR	24	4.937	0.558	4.100	5.500

Table 3 (continue)

42002 APRIL 1980

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 APRIL 1980

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	711	22.084	1.868	14.400	28.300	10.300	-1.385	2.824
SEATEMP	711	23.488	0.404	21.800	24.700	3.200	-0.846	2.707
BAROMTR	711	1013.984	8.110	1003.800	1022.000	18.800	-0.331	-1.052
WINDSPD	711	8.441	3.142	0.200	18.800	18.300	0.488	0.028
WINDDRG	711	188.341	94.482	0.700	358.700	358.000	0.888	-0.388
SIGWHT	711	1.318	0.695	0.200	8.800	8.700	2.103	6.840
AVWYPR	711	4.808	0.820	2.800	8.800	5.700	0.871	0.838

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 APRIL 1980

PERCENTAGE BAR CHART

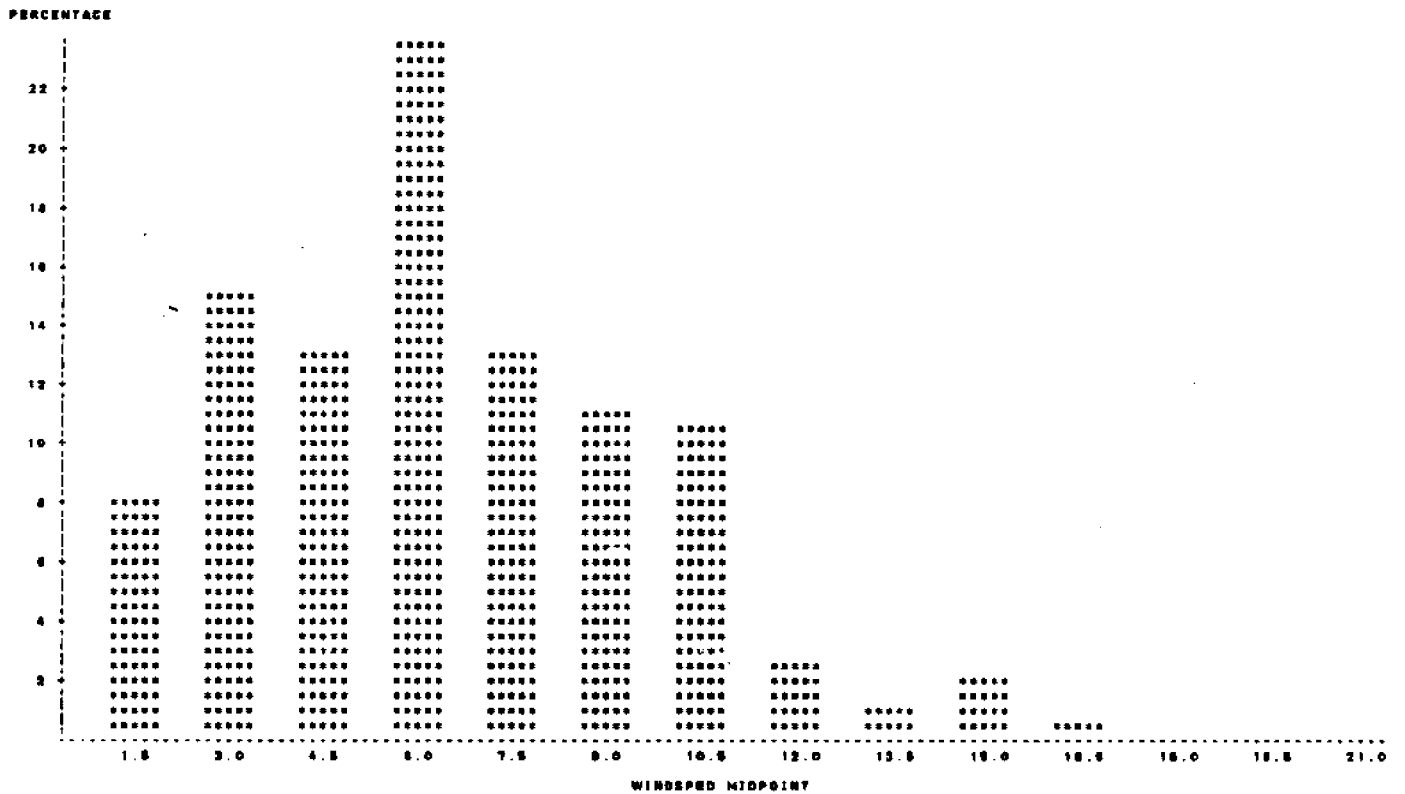


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 APRIL 1980

PERCENTAGE BAR CHART

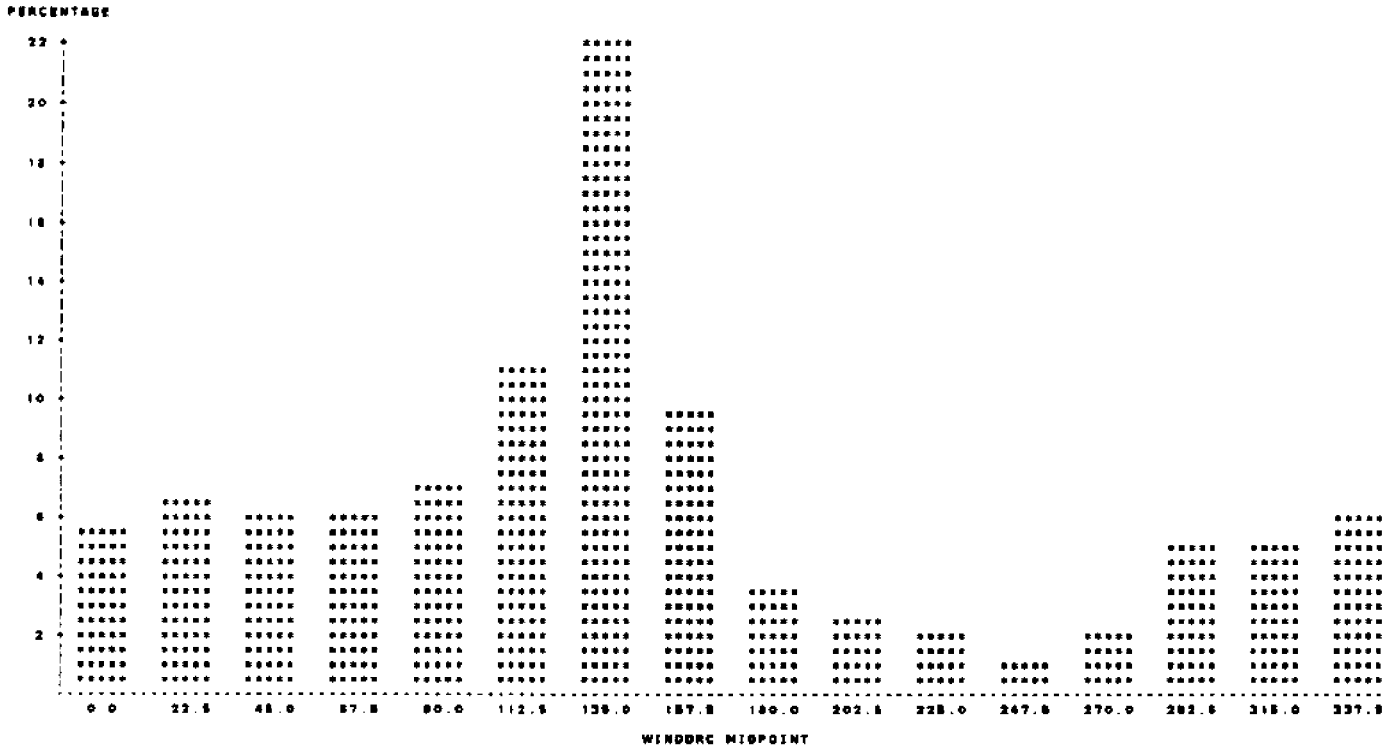


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 APRIL 1980

PERCENTAGE BAR CHART

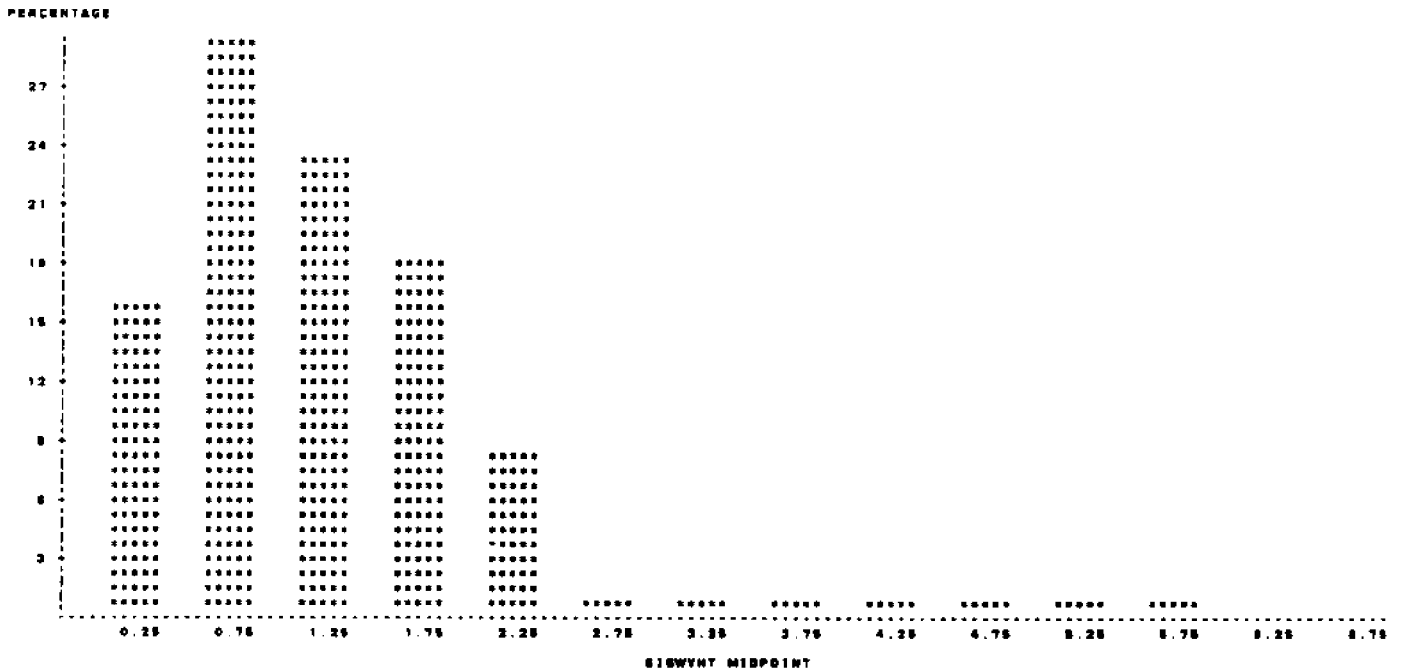


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUDY #42002 APRIL 1980

PERCENTAGE BAR CHART

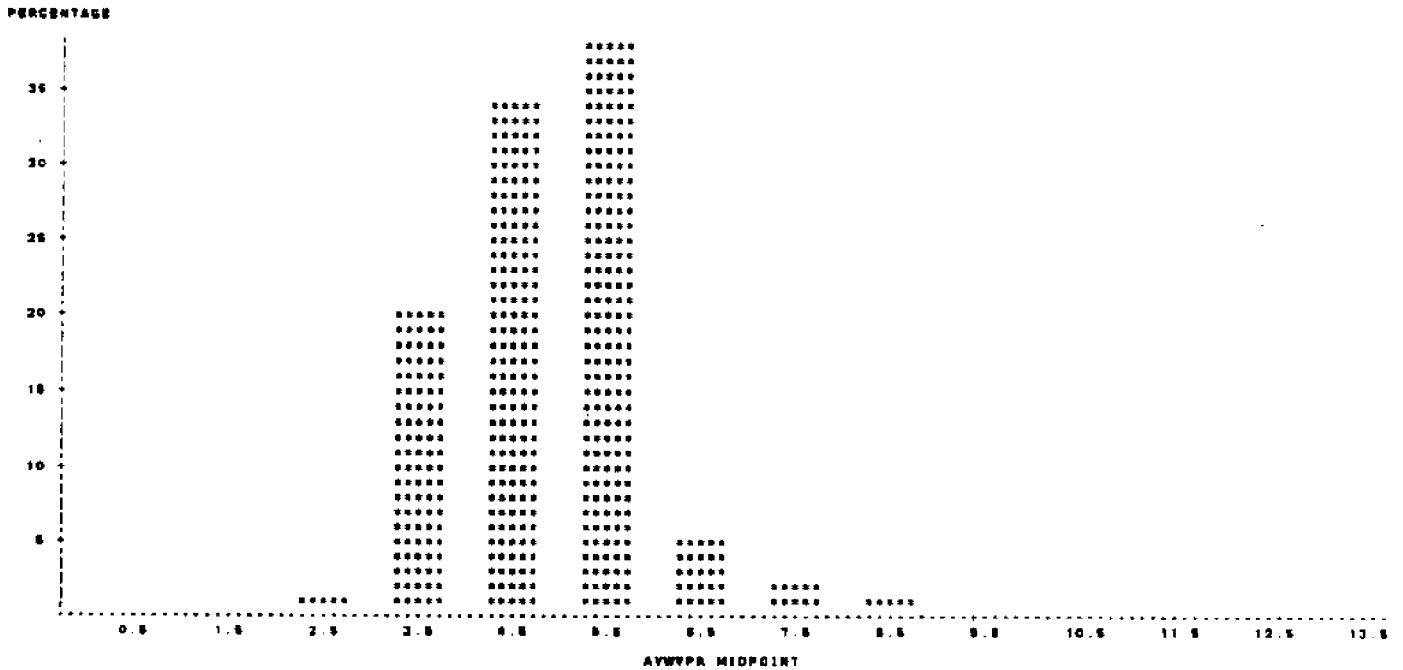


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUDY #42002 APRIL 1980

TABLE OF AWVWPR BY SIGNWHT

AWVWPR	SIGNWHT	SIGNWHT							TOTAL
		<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0		
	0	0	0	0	0	0	0	0	
<=3.0	0	4	0	0	0	0	0	4	0.58
		0.58	0.00	0.00	0.00	0.00	0.00		
		100.00	0.00	0.00	0.00	0.00	0.00		
		3.91	0.00	0.00	0.00	0.00	0.00		
<=4.0	0	42	98	3	0	0	0	181	18.93
		5.81	12.50	0.42	0.00	0.00	0.00		
		28.78	98.08	2.13	0.00	0.00	0.00		
		38.84	48.71	1.83	0.00	0.00	0.00		
<=5.0	0	98	102	87	13	2	0	342	34.04
		8.58	14.35	8.02	1.83	0.28	0.00		
		28.10	42.15	23.88	8.37	0.83	0.00		
		59.88	48.87	34.78	10.00	3.48	0.00		
<=6.0	0	0	12	94	109	48	3	267	37.88
		0.00	1.88	13.22	18.23	8.88	0.82		
		9.00	4.48	38.21	40.82	18.38	1.12		
		0.00	8.71	57.23	63.88	84.48	42.88		
<=7.0	0	0	0	10	8	7	4	38	8.08
		0.00	0.00	1.41	1.12	0.88	0.58		
		0.00	0.00	27.78	22.22	19.44	11.11		
		0.00	0.00	9.10	8.18	12.07	8.18		
<=8.0	0	0	0	0	0	0	0	18	1.87
		0.00	0.00	0.00	0.00	0.00	0.00		
		0.00	0.00	0.00	0.00	0.00	0.00		
		0.00	0.00	0.00	0.00	0.00	0.00		
<=9.0	0	0	0	0	0	0	0	7	0.94
		0.00	0.00	0.00	0.00	0.00	0.00		
		0.00	0.00	0.00	0.00	0.00	0.00		
		0.00	0.00	0.00	0.00	0.00	0.00		
TOTAL		114	210	184	130	58	7	711	
		18.03	28.54	23.07	18.28	8.18	0.98	100.00	

(CONTINUED)

Table 2

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 STUDY #42002 APRIL 1960

TABLE OF AVWVPR BY SIGWVHT

AVWVPR	SIGWVHT						TOTAL
FREQUENCY PERCENT ROW PCT COL PCT	<+3.5	<+4.0	<+4.5	<+5.0	<+5.5	<+6.0	
	0	0	0	0	0	0	
<+3.5	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 0.88
<+4.0	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	141 15.83
<+5.0	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	242 24.04
<+5.5	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	287 37.89
<+7.0	1 2.78 33.33	4 11.11 88.87	2 8.89 28.87	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	36 5.06
<+8.0	2 14.29 88.87	2 14.29 33.33	5 28.71 71.43	4 28.87 100.00	1 7.14 33.33	0 0.00 0.00	14 1.97
<+8.5	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 28.87 88.87	5 71.43 100.00	7 0.88
TOTAL	3 0.42	6 0.84	7 0.88	4 0.88	3 0.42	6 0.70	711 100.00

Table 2

DAILY STATISTICS  
 STUDY #42002 APRIL 1960

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
DAY#1					
AIRTEMP	24	22.478	0.476	21.800	23.300
SEATEMP	24	22.417	0.503	21.500	23.200
WINDSPED	24	7.083	2.026	4.100	10.700
SIGWVHT	24	1.412	0.175	1.500	1.500
AVWVPR	24	5.154	0.340	4.800	5.800
DAY#2					
AIRTEMP	24	23.833	0.573	22.500	24.800
SEATEMP	24	23.208	0.428	22.400	23.800
WINDSPED	24	8.412	2.000	1.300	9.300
SIGWVHT	24	1.278	0.230	0.500	1.700
AVWVPR	24	5.187	0.401	4.500	5.800
DAY#3					
AIRTEMP	24	24.048	0.535	23.300	25.100
SEATEMP	24	23.821	0.387	23.500	24.700
WINDSPED	24	4.328	1.442	1.700	8.500
SIGWVHT	24	1.442	0.210	1.100	1.800
AVWVPR	24	5.000	0.428	5.500	4.800
DAY#4					
AIRTEMP	18	23.447	1.148	21.100	24.500
SEATEMP	18	23.860	0.381	23.300	24.400
WINDSPED	18	3.880	3.882	0.800	11.300
SIGWVHT	18	1.733	0.814	1.300	3.000
AVWVPR	18	5.313	0.192	5.000	5.500
DAY#5					
AIRTEMP	24	21.100	0.182	20.800	21.500
SEATEMP	24	23.212	0.060	23.100	23.300
WINDSPED	24	8.417	0.887	7.500	11.000
SIGWVHT	24	2.082	0.285	1.800	2.800
AVWVPR	24	5.558	0.327	5.000	6.200
DAY#6					
AIRTEMP	24	22.548	0.775	21.600	23.700
SEATEMP	24	23.108	0.184	22.800	23.400
WINDSPED	24	5.882	1.887	3.500	10.000
SIGWVHT	24	1.882	0.345	1.100	2.300
AVWVPR	24	5.371	0.255	4.800	5.000

Table 3

DAILY STATISTICS  
 BUOY #42002 APRIL 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	23.857	0.288	23.200	24.100
SEATEMP	24	23.382	0.102	23.100	23.800
WINDSPED	24	5.328	1.140	2.700	8.800
SIGWHT	24	1.078	0.888	0.800	1.300
AVWVPR	24	5.244	0.273	4.800	5.700
----- DAY#8 -----					
AIRTEMP	24	23.784	0.383	23.100	24.800
SEATEMP	24	23.653	0.468	23.000	24.400
WINDSPED	24	8.028	2.288	2.900	11.100
SIGWHT	24	1.128	0.148	0.900	1.400
AVWVPR	24	4.871	0.411	4.500	5.600
----- DAY#9 -----					
AIRTEMP	24	22.204	0.802	21.800	22.800
SEATEMP	24	23.725	0.122	23.500	24.100
WINDSPED	24	10.642	1.288	7.200	11.800
SIGWHT	24	2.200	0.218	1.800	2.900
AVWVPR	24	5.821	0.254	4.300	6.000
----- DAY#10 -----					
AIRTEMP	24	22.137	0.842	21.400	22.800
SEATEMP	24	23.478	0.044	23.800	23.700
WINDSPED	24	6.812	0.878	5.800	8.100
SIGWHT	24	1.300	0.388	0.900	2.000
AVWVPR	24	4.942	0.638	4.400	6.000
----- DAY#11 -----					
AIRTEMP	24	23.837	0.618	22.800	24.700
SEATEMP	24	23.887	0.178	23.800	24.200
WINDSPED	24	10.162	0.788	8.200	11.200
SIGWHT	24	1.771	0.187	1.300	2.080
AVWVPR	24	5.148	0.312	4.800	5.700
----- DAY#12 -----					
AIRTEMP	24	24.888	0.280	24.100	24.800
SEATEMP	24	24.148	0.072	24.100	24.300
WINDSPED	24	8.882	2.308	4.800	11.800
SIGWHT	24	1.882	0.121	1.700	2.100
AVWVPR	24	5.417	0.210	4.800	5.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 APRIL 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	20.842	2.488	18.200	24.500
SEATEMP	24	23.828	0.218	23.800	24.200
WINDSPED	24	11.862	3.371	6.500	18.700
SIGWHT	24	3.088	1.234	1.700	5.100
AVWVPR	24	6.182	0.808	4.800	7.700
----- DAY#14 -----					
AIRTEMP	24	18.200	0.898	14.800	18.100
SEATEMP	24	23.278	0.118	23.100	23.400
WINDSPED	24	10.821	2.780	5.500	18.800
SIGWHT	24	3.878	1.834	1.400	5.900
AVWVPR	24	7.308	1.948	5.200	8.800
----- DAY#15 -----					
AIRTEMP	24	18.887	1.281	18.100	21.800
SEATEMP	24	23.308	0.118	23.200	23.500
WINDSPED	24	8.828	1.428	2.100	7.400
SIGWHT	24	0.888	0.182	0.800	1.400
AVWVPR	24	4.248	0.882	3.800	5.100
----- DAY#16 -----					
AIRTEMP	24	21.800	0.188	21.200	21.800
SEATEMP	24	23.327	0.088	23.200	23.588
WINDSPED	24	8.112	0.880	3.200	8.800
SIGWHT	24	0.788	0.177	0.500	1.000
AVWVPR	24	3.822	0.608	3.200	4.700
----- DAY#17 -----					
AIRTEMP	24	22.228	0.431	21.700	23.000
SEATEMP	24	23.400	0.208	23.200	24.100
WINDSPED	24	4.827	1.804	1.100	7.800
SIGWHT	24	0.728	0.188	0.500	1.100
AVWVPR	24	3.842	0.088	3.800	4.100
----- DAY#18 -----					
AIRTEMP	24	22.142	0.401	21.300	23.200
SEATEMP	24	23.488	0.288	23.200	23.800
WINDSPED	24	2.400	1.848	0.200	5.400
SIGWHT	24	0.484	0.088	0.200	0.800
AVWVPR	24	4.228	0.302	3.800	4.700

Table 3 (continue)



DAILY STATISTICS  
 BUOY #42002 APRIL 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY+18 -----					
AIRTEMP	24	20.483	0.512	20.300	22.300
SEATEMP	24	21.382	0.147	22.200	22.700
WINDSPED	24	8.278	0.818	4.200	8.400
SIGWVHT	24	0.862	0.141	0.300	0.800
AVWVPR	24	4.012	0.272	3.400	4.400
----- DAY+19 -----					
AIRTEMP	24	20.800	0.688	19.800	21.700
SEATEMP	24	23.127	0.150	23.000	23.600
WINDSPED	24	3.882	1.148	1.300	5.100
SIGWVHT	24	0.808	0.083	0.500	0.800
AVWVPR	24	4.217	0.124	4.100	4.800
----- DAY+21 -----					
AIRTEMP	24	21.687	0.583	20.800	22.800
SEATEMP	24	23.237	0.431	22.000	24.300
WINDSPED	24	2.884	1.338	0.800	6.400
SIGWVHT	24	0.884	0.072	0.400	0.700
AVWVPR	24	4.308	0.204	3.900	4.800
----- DAY+22 -----					
AIRTEMP	24	22.128	0.482	21.500	22.800
SEATEMP	24	23.437	0.278	23.100	23.900
WINDSPED	24	2.812	0.882	1.400	3.800
SIGWVHT	24	0.400	0.000	0.400	0.400
AVWVPR	24	4.404	0.183	4.300	4.700
----- DAY+23 -----					
AIRTEMP	24	22.904	0.207	22.800	23.200
SEATEMP	24	23.382	0.140	23.300	23.700
WINDSPED	24	6.571	1.386	2.400	7.400
SIGWVHT	24	0.888	0.128	0.300	0.800
AVWVPR	24	3.888	0.388	3.200	4.800
----- DAY+24 -----					
AIRTEMP	24	22.117	0.312	21.800	22.700
SEATEMP	24	23.233	0.120	23.300	23.800
WINDSPED	24	7.223	0.887	5.200	8.200
SIGWVHT	24	0.837	0.180	0.600	1.100
AVWVPR	24	3.721	0.204	3.600	4.100

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 APRIL 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY+25 -----					
AIRTEMP	24	23.812	0.318	22.300	24.200
SEATEMP	24	23.433	0.087	23.300	23.800
WINDSPED	24	8.428	1.841	6.200	11.700
SIGWVHT	24	1.717	0.411	1.000	2.300
AVWVPR	24	4.780	0.578	4.000	6.800
----- DAY+26 -----					
AIRTEMP	24	23.317	0.521	21.800	23.800
SEATEMP	24	23.771	0.118	23.800	24.000
WINDSPED	24	4.283	2.588	0.400	8.400
SIGWVHT	24	1.278	0.273	0.800	1.800
AVWVPR	24	5.582	0.480	4.700	6.100
----- DAY+27 -----					
AIRTEMP	24	20.387	0.804	18.800	21.500
SEATEMP	24	23.480	0.083	23.300	23.700
WINDSPED	24	8.788	1.083	7.700	11.800
SIGWVHT	24	1.900	0.218	1.400	2.300
AVWVPR	24	5.488	0.221	4.800	5.800
----- DAY+28 -----					
AIRTEMP	24	20.378	0.812	18.800	21.500
SEATEMP	24	23.328	0.187	23.200	23.600
WINDSPED	24	6.788	3.718	2.000	11.100
SIGWVHT	24	1.508	0.820	0.800	2.500
AVWVPR	24	5.387	0.520	4.400	6.200
----- DAY+29 -----					
AIRTEMP	24	21.627	0.732	20.800	22.700
SEATEMP	24	23.580	0.348	23.300	24.100
WINDSPED	24	2.288	0.888	2.000	5.300
SIGWVHT	24	0.428	0.188	0.300	0.800
AVWVPR	24	4.082	0.228	3.800	4.600
----- DAY+30 -----					
AIRTEMP	24	22.280	0.218	21.800	22.800
SEATEMP	24	23.442	0.183	23.300	23.900
WINDSPED	24	6.017	1.201	3.300	8.400
SIGWVHT	24	0.888	0.228	0.200	0.900
AVWVPR	24	3.418	0.308	2.800	3.800

Table 3 (continue)

42002 MAY 1980

Table 1

MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 MAY 1980

AIRTEMP	AIR TEMPERATURE (C)
SEATEMP	SEA TEMPERATURE (C)
BAROMTR	BAROMETER (MB)
WINDSPED	WIND SPEED (M/SEC)
WINDDRC	WIND DIRECTION (DEGREES FROM TRUE NORTH)
SIGWVHT	SIGNIFICANT WAVE HEIGHTS (M)
AVWVPR	AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	744	25.147	1.800	20.700	28.300	7.600	-0.026	-0.877
SEATEMP	744	25.488	1.428	22.200	29.600	8.700	0.373	-1.042
BAROMTR	744	1011.307	2.790	1002.100	1017.400	14.200	-0.416	-0.180
WINDSPED	744	8.073	2.788	0.200	18.200	18.000	0.312	-0.201
WINDDRC	744	128.719	84.352	0.800	362.400	361.600	1.210	4.348
SIGWVHT	742	0.980	0.508	0.200	2.800	2.600	0.774	-0.088
AVWVPR	742	4.575	0.724	2.800	8.600	4.000	0.522	0.127

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 MAY 1980  
 PERCENTAGE BAR CHART

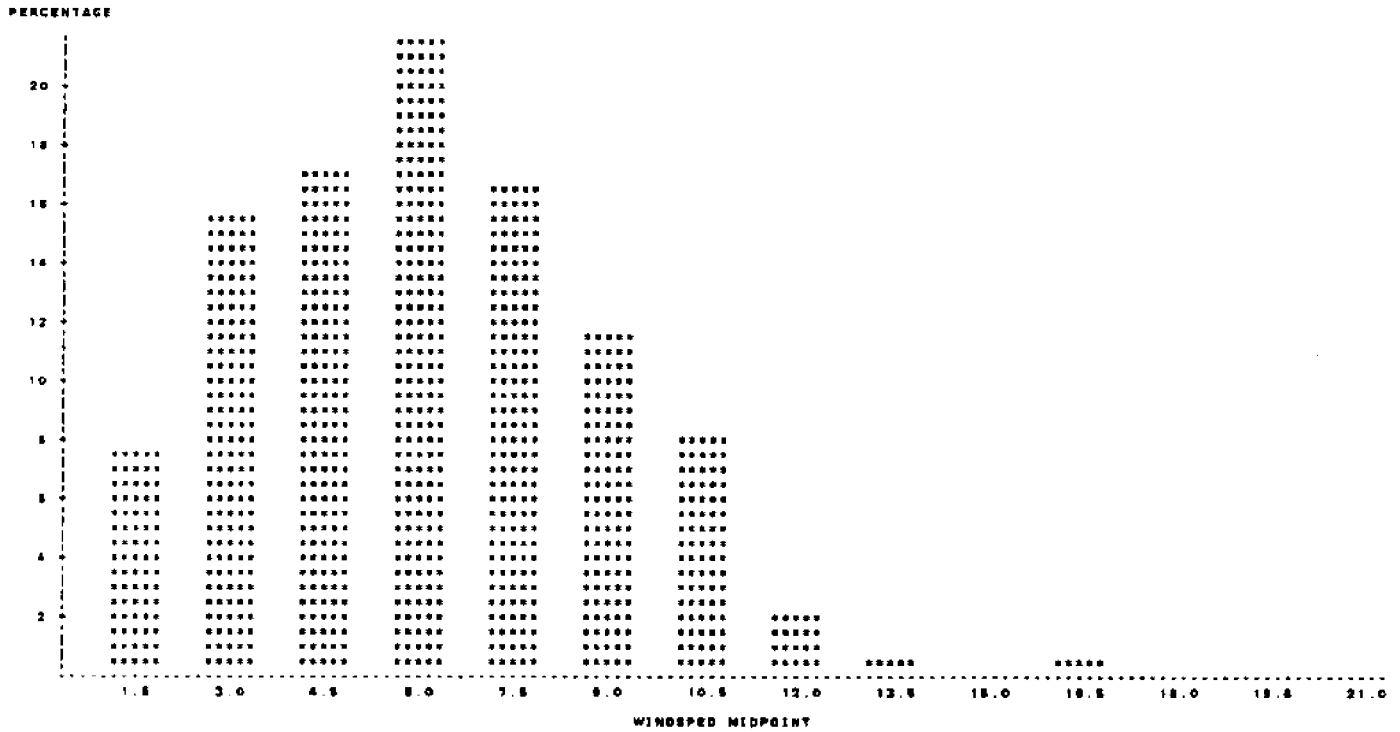


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #42002 MAY 1960

PERCENTAGE BAR CHART

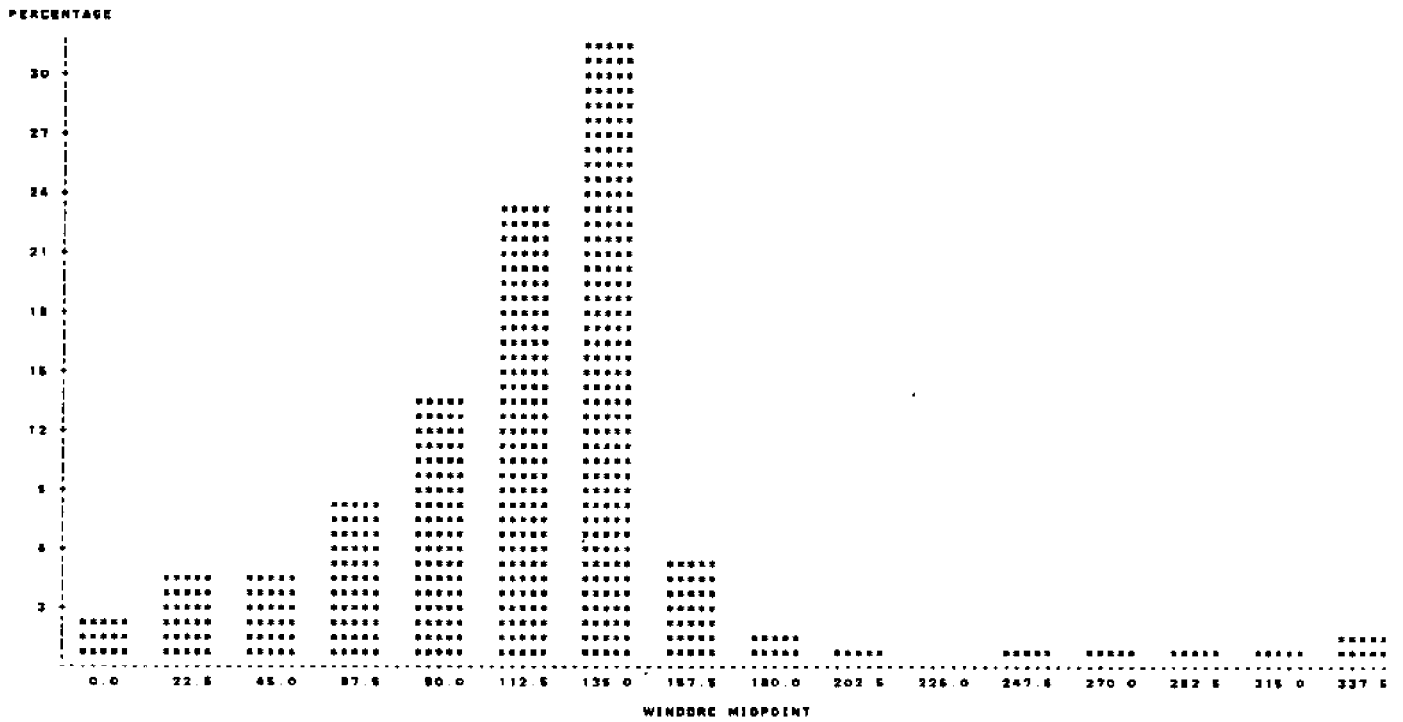


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 STUDY #42002 MAY 1960

PERCENTAGE BAR CHART

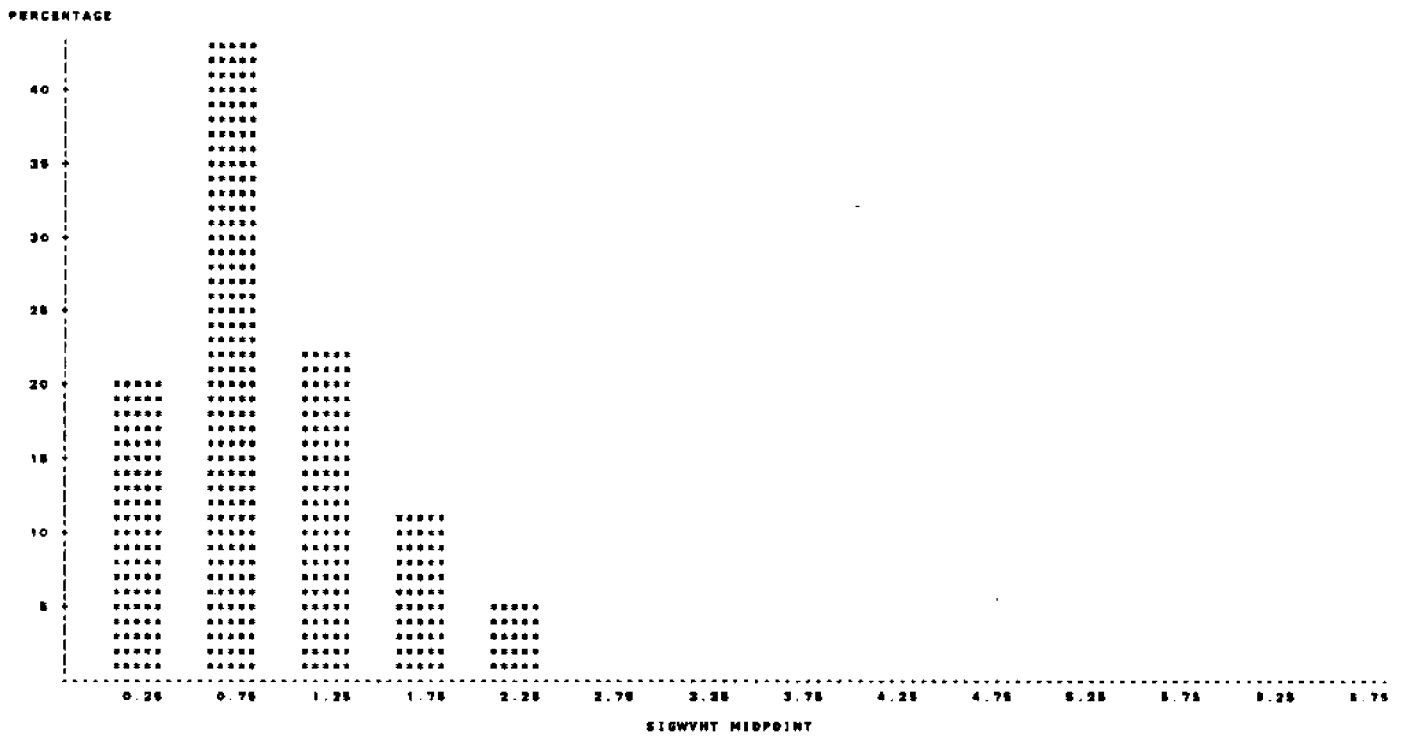


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 STUDY #42002 MAY 1980  
 PERCENTAGE BAR CHART

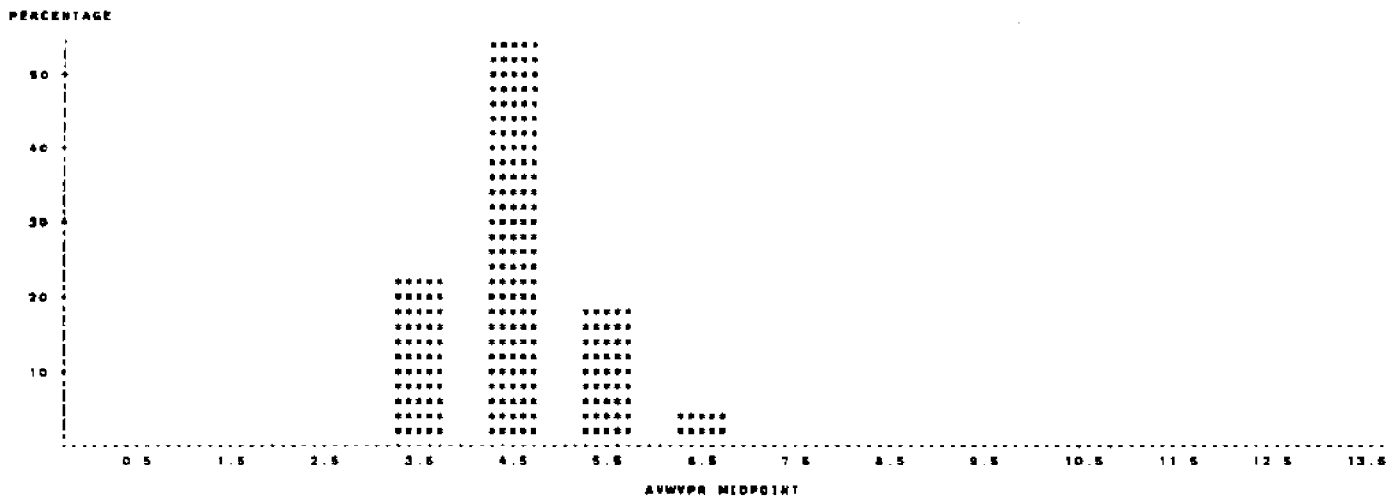


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 STUDY #42002 MAY 1980  
 TABLE OF AVWVPR BY SIGNVHT

AVWVPR	SIGNVHT	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	TOTAL
	2	0	0	0	0	0	
<=3.0	0	4	0	0	0	0	4
		0.54	0.00	0.00	0.00	0.00	0.54
		100.00	0.00	0.00	0.00	0.00	
		2.70	0.00	0.00	0.00	0.00	
<=4.0	0	83	70	1	0	0	154
		12.53	8.43	0.13	0.00	0.00	22.10
		56.71	42.85	0.81	0.00	0.00	
		62.84	22.01	0.82	0.00	0.00	
<=5.0	0	80	227	108	33	1	407
		8.74	30.88	14.28	3.10	0.12	54.98
		12.28	85.77	25.04	8.85	0.25	
		33.78	71.38	65.84	26.75	2.88	
<=6.0	0	1	21	52	34	31	138
		0.13	2.83	7.01	4.58	4.16	18.72
		0.72	15.11	37.41	24.48	22.30	
		0.88	8.60	32.30	42.80	54.87	
<=7.0	0	0	0	2	23	3	28
		0.00	0.00	0.27	3.10	0.80	3.77
		0.00	0.00	7.14	82.14	10.71	
		0.00	0.00	1.24	28.75	8.67	
TOTAL		148	318	181	80	36	742
		19.86	42.68	21.70	10.74	4.72	100.00

Table 2

DAILY STATISTICS  
 STUDY #42002 MAY 1960

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	23.068	0.320	22.700	23.800
SEATEMP	24	23.378	0.088	23.300	23.800
WINDSPED	24	6.600	2.881	1.600	10.800
SIGWVHT	24	1.083	0.181	0.800	1.400
AYWVPR	24	4.421	0.245	4.000	4.800
----- DAY#2 -----					
AIRTEMP	24	23.482	0.580	23.800	25.000
SEATEMP	24	23.858	0.375	23.400	24.800
WINDSPED	24	5.312	2.187	0.800	8.400
SIGWVHT	24	0.867	0.124	0.700	1.100
AYWVPR	24	4.482	0.268	3.800	4.900
----- DAY#3 -----					
AIRTEMP	24	23.104	0.260	22.700	23.800
SEATEMP	24	23.775	0.327	23.600	24.400
WINDSPED	24	3.387	1.587	0.800	7.300
SIGWVHT	24	0.884	0.110	0.800	0.900
AYWVPR	24	4.778	0.428	3.900	5.600
----- DAY#4 -----					
AIRTEMP	24	23.004	0.224	22.800	23.400
SEATEMP	24	23.800	0.102	23.700	24.100
WINDSPED	24	4.637	1.088	2.100	8.600
SIGWVHT	24	0.808	0.088	0.400	0.800
AYWVPR	24	4.087	0.277	3.800	4.800
----- DAY#5 -----					
AIRTEMP	24	22.878	0.281	22.800	23.400
SEATEMP	24	23.778	0.248	23.600	24.300
WINDSPED	24	3.333	1.128	0.800	5.200
SIGWVHT	24	0.221	0.041	0.300	0.400
AYWVPR	24	3.786	0.283	3.400	4.200
----- DAY#6 -----					
AIRTEMP	24	23.248	0.485	23.700	24.000
SEATEMP	24	24.080	0.408	23.700	24.800
WINDSPED	24	3.586	1.018	1.700	5.600
SIGWVHT	23	0.238	0.088	0.200	0.300
AYWVPR	23	3.400	0.128	3.200	3.700

Table 3

DAILY STATISTICS  
 STUDY #42002 MAY 1960

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	23.842	0.484	23.800	24.700
SEATEMP	24	24.288	0.318	23.800	24.800
WINDSPED	24	8.821	1.124	4.800	8.800
SIGWVHT	24	0.888	0.182	0.200	0.900
AYWVPR	24	3.428	0.318	2.800	3.800
----- DAY#8 -----					
AIRTEMP	24	24.362	0.174	24.000	24.800
SEATEMP	24	24.848	0.180	24.700	25.100
WINDSPED	24	6.317	1.134	2.800	7.000
SIGWVHT	24	0.882	0.088	0.800	0.700
AYWVPR	24	3.888	0.288	3.400	4.400
----- DAY#9 -----					
AIRTEMP	24	23.412	0.848	20.800	24.000
SEATEMP	24	24.871	0.181	24.400	25.000
WINDSPED	24	8.100	3.288	0.800	18.200
SIGWVHT	24	1.371	0.317	0.800	1.800
AYWVPR	24	8.328	0.810	3.800	8.100
----- DAY#10 -----					
AIRTEMP	24	23.800	0.422	23.600	24.900
SEATEMP	24	24.808	0.181	24.200	24.900
WINDSPED	24	8.188	1.143	8.800	10.800
SIGWVHT	24	1.028	0.119	0.800	1.200
AYWVPR	24	4.271	0.188	3.800	4.700
----- DAY#11 -----					
AIRTEMP	24	24.388	0.383	24.000	25.000
SEATEMP	24	24.817	0.134	24.600	24.800
WINDSPED	24	8.821	1.083	8.100	12.200
SIGWVHT	24	1.312	0.184	1.000	1.800
AYWVPR	24	4.421	0.204	4.100	4.700
----- DAY#12 -----					
AIRTEMP	24	24.892	0.298	24.200	25.100
SEATEMP	24	24.717	0.124	24.600	24.900
WINDSPED	24	11.404	1.104	8.100	13.400
SIGWVHT	24	1.837	0.188	1.800	2.300
AYWVPR	24	8.033	0.214	4.800	8.400

Table 3 (continue)

DAILY STATISTICS  
BUDY #42002 MAY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	24.773	0.286	24.400	25.200
SEATEMP	24	24.898	0.152	24.800	25.100
WINDSPED	24	5.508	3.414	2.400	8.700
SIGWVHT	24	1.328	0.205	1.000	1.800
AVWVPR	24	5.108	0.150	4.800	5.400
----- DAY#14 -----					
AIRTEMP	24	25.142	0.280	24.700	25.900
SEATEMP	24	24.858	0.221	24.800	25.200
WINDSPED	24	7.887	1.298	4.400	8.800
SIGWVHT	24	1.183	0.094	1.100	1.300
AVWVPR	24	4.864	0.183	4.200	4.900
----- DAY#15 -----					
AIRTEMP	24	25.387	0.255	25.000	25.900
SEATEMP	24	25.071	0.062	24.900	25.200
WINDSPED	24	5.812	1.685	5.600	13.100
SIGWVHT	24	1.782	0.395	1.200	2.900
AVWVPR	24	4.864	0.410	4.300	5.600
----- DAY#16 -----					
AIRTEMP	24	25.726	0.243	25.400	26.200
SEATEMP	24	24.787	0.076	24.800	24.900
WINDSPED	24	10.329	0.892	8.100	12.000
SIGWVHT	24	2.150	0.128	1.800	2.400
AVWVPR	24	5.887	0.210	5.300	6.100
----- DAY#17 -----					
AIRTEMP	24	25.421	0.419	24.600	26.000
SEATEMP	24	25.000	0.311	24.700	25.800
WINDSPED	24	4.256	3.813	0.700	8.800
SIGWVHT	24	1.748	0.183	1.600	2.100
AVWVPR	24	6.212	0.286	5.800	6.800
----- DAY#18 -----					
AIRTEMP	24	25.737	0.224	25.300	26.200
SEATEMP	24	25.450	0.368	25.000	26.000
WINDSPED	24	8.742	2.221	7.800	10.800
SIGWVHT	24	1.625	0.192	1.300	1.800
AVWVPR	24	5.787	0.712	4.600	6.700

Table 3 (continue)

DAILY STATISTICS  
BUDY #42002 MAY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#18 -----					
AIRTEMP	24	25.423	0.498	23.800	26.000
SEATEMP	24	25.882	0.121	25.900	26.000
WINDSPED	24	7.583	3.041	1.200	16.200
SIGWVHT	24	1.558	0.210	1.200	2.100
AVWVPR	24	5.168	0.283	4.400	5.800
----- DAY#20 -----					
AIRTEMP	24	25.212	0.248	24.700	25.800
SEATEMP	24	25.862	0.383	25.400	26.800
WINDSPED	24	3.778	1.314	1.200	6.800
SIGWVHT	23	1.078	0.213	0.700	1.400
AVWVPR	23	5.278	0.458	4.600	5.800
----- DAY#21 -----					
AIRTEMP	24	25.086	1.251	20.700	26.200
SEATEMP	24	25.178	0.072	25.000	26.300
WINDSPED	24	6.971	1.741	3.400	8.800
SIGWVHT	24	0.782	0.144	0.500	1.100
AVWVPR	24	4.037	0.131	3.700	4.300
----- DAY#22 -----					
AIRTEMP	24	25.825	0.464	24.800	27.000
SEATEMP	24	25.287	0.233	25.100	26.800
WINDSPED	24	2.883	1.857	0.200	8.100
SIGWVHT	24	0.871	0.100	0.400	0.700
AVWVPR	24	4.550	0.278	4.200	5.000
----- DAY#23 -----					
AIRTEMP	24	25.850	0.535	25.200	26.800
SEATEMP	24	25.479	0.383	25.100	27.300
WINDSPED	24	4.029	1.849	0.200	6.500
SIGWVHT	24	0.837	0.117	0.400	0.800
AVWVPR	24	4.042	0.408	3.200	4.800
----- DAY#24 -----					
AIRTEMP	24	25.875	0.374	25.200	27.400
SEATEMP	24	25.768	0.228	25.800	27.200
WINDSPED	24	5.829	2.577	2.400	11.800
SIGWVHT	24	0.717	0.208	0.500	1.200
AVWVPR	24	4.112	0.388	3.700	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 MAY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	28.833	0.424	28.200	29.700
SEATEMP	24	27.117	0.235	26.800	27.800
WINDSPED	24	5.450	1.315	2.900	7.100
SIGWVHT	24	0.800	0.072	0.700	0.800
AVWVPR	24	4.543	0.117	4.400	4.800
----- DAY#26 -----					
AIRTEMP	24	27.242	0.813	26.800	28.300
SEATEMP	24	27.800	0.870	27.100	28.000
WINDSPED	24	2.928	1.178	1.300	5.100
SIGWVHT	24	0.828	0.088	0.800	0.800
AVWVPR	24	5.045	0.348	4.800	5.700
----- DAY#27 -----					
AIRTEMP	24	27.345	0.265	26.700	28.000
SEATEMP	24	27.723	0.378	27.200	28.700
WINDSPED	24	4.737	0.888	3.200	5.800
SIGWVHT	24	0.817	0.048	0.800	0.800
AVWVPR	24	4.037	0.300	3.800	4.800
----- DAY#28 -----					
AIRTEMP	24	27.371	0.288	27.000	27.700
SEATEMP	24	27.725	0.182	27.400	28.100
WINDSPED	24	5.245	1.144	4.000	5.300
SIGWVHT	24	0.822	0.220	0.800	1.000
AVWVPR	24	3.850	0.284	3.500	4.400
----- DAY#29 -----					
AIRTEMP	24	26.882	0.200	26.800	27.300
SEATEMP	24	27.845	0.177	27.300	28.000
WINDSPED	24	5.442	0.828	5.200	7.400
SIGWVHT	24	0.857	0.082	0.700	1.000
AVWVPR	24	4.225	0.142	4.100	4.700
----- DAY#30 -----					
AIRTEMP	24	28.855	0.455	28.300	29.800
SEATEMP	24	27.582	0.221	27.300	28.000
WINDSPED	24	5.012	1.302	3.800	8.000
SIGWVHT	24	0.857	0.083	0.800	1.000
AVWVPR	24	4.845	0.180	4.300	4.900

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	24	27.185	0.285	26.700	27.800
SEATEMP	24	27.754	0.247	27.400	28.200
WINDSPED	24	5.787	1.028	4.100	8.400
SIGWVHT	24	0.882	0.106	0.700	1.100
AVWVPR	24	4.554	0.275	4.100	5.000

Table 3 (continue)



42002 JUNE 1980

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42001 JUNE 1980

Table 1

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 SARDMTR BAROMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRG WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHT (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	720	27.238	0.757	25.500	30.900	5.400	0.803	0.813
SEATEMP	720	24.438	0.802	27.100	31.300	4.200	0.864	0.087
SARDMTR	720	1018.869	1.478	1012.000	1020.100	8.100	-0.223	-0.248
WINDSPED	718	4.528	2.151	0.100	8.800	8.800	0.084	-0.772
WINDDRG	720	189.658	97.788	1.300	363.100	251.800	0.763	0.448
SIGWVHT	720	0.734	0.340	0.300	1.700	1.500	0.837	-0.459
AVWVPR	720	4.740	0.502	3.200	5.100	2.000	-0.022	-0.274

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42001 JUNE 1980

PERCENTAGE BAR CHART

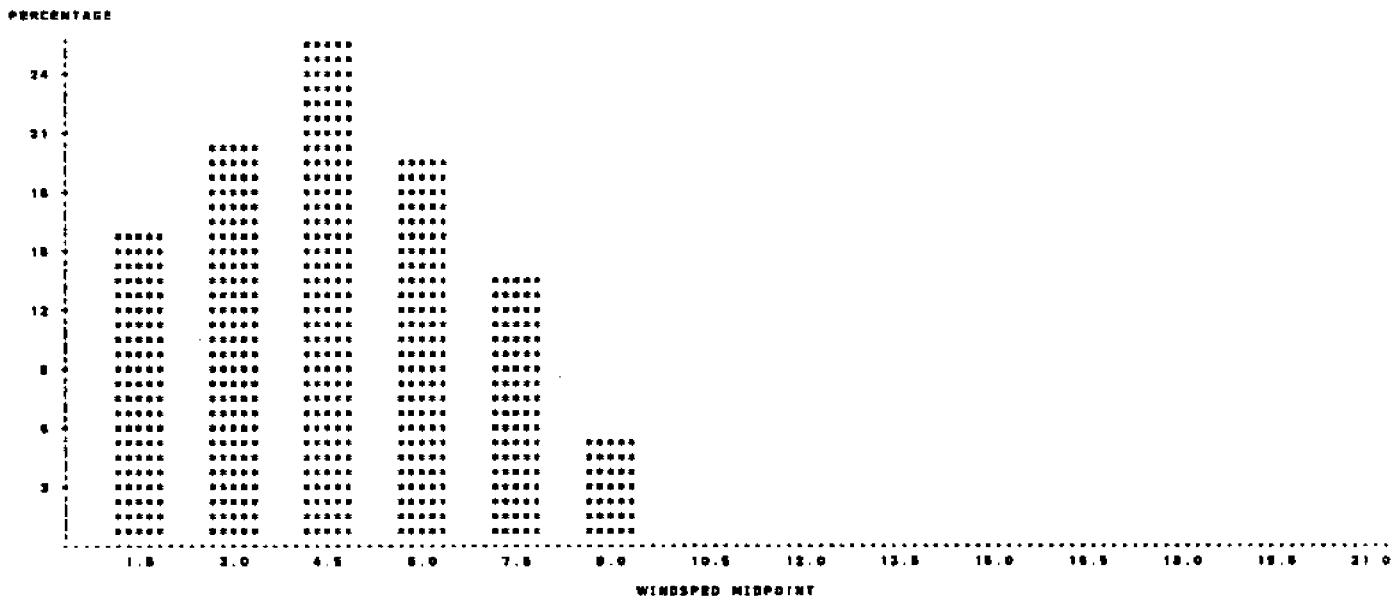


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #42001 JUNE 1980

PERCENTAGE BAR CHART

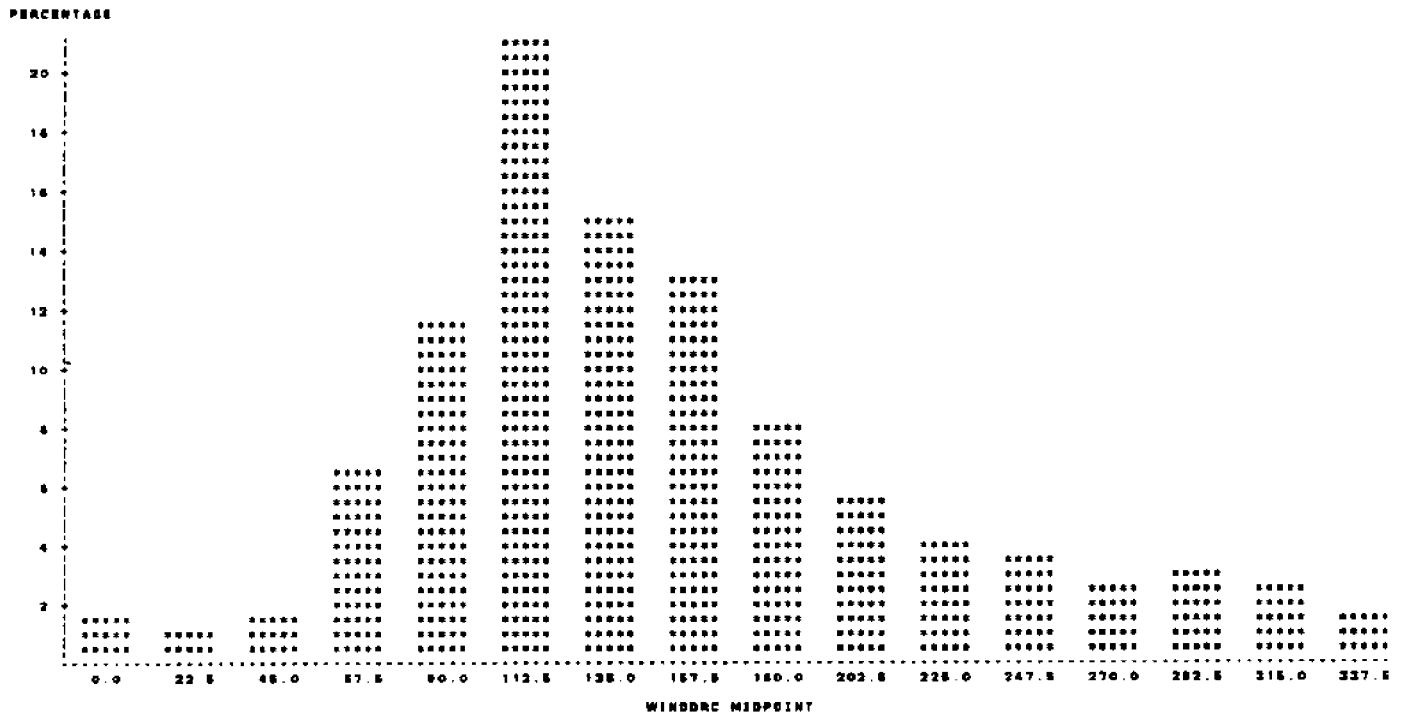


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 STUDY #42001 JUNE 1980

PERCENTAGE BAR CHART

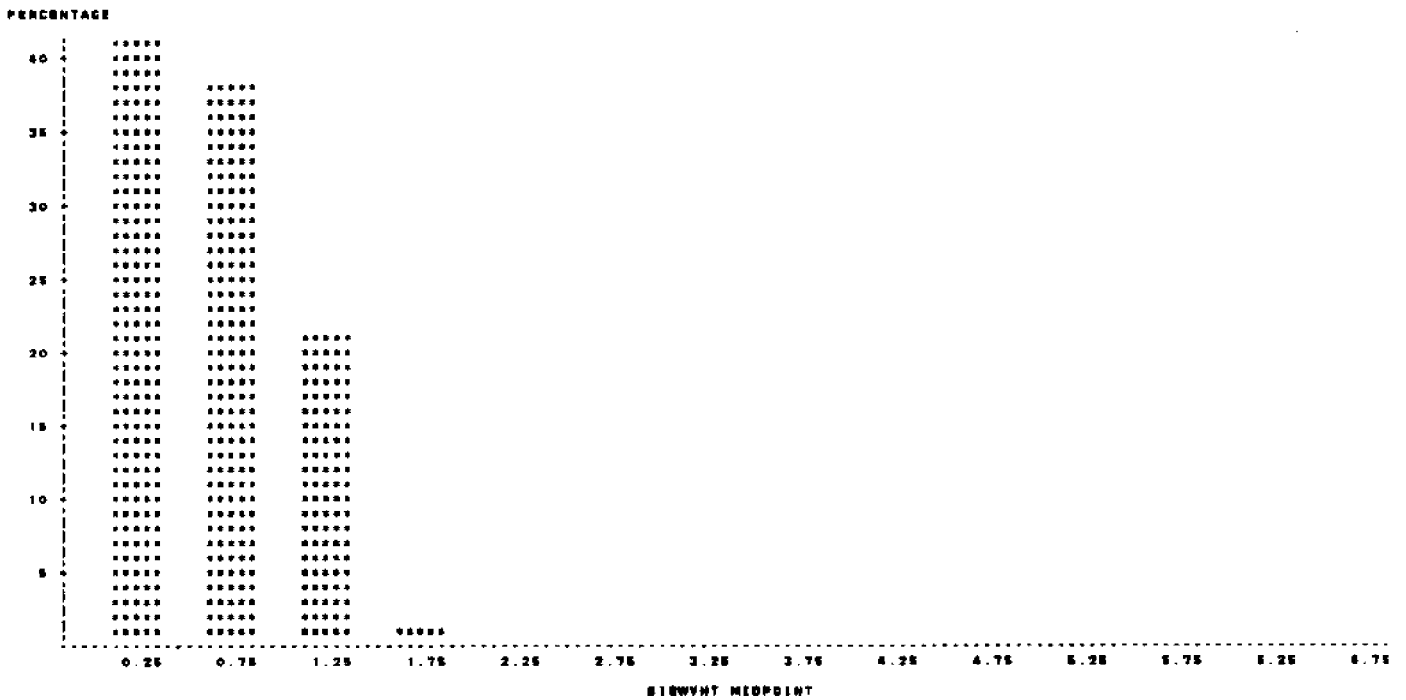


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD [SEC]  
 BUOY #42001 JUNE 1980

PERCENTAGE BAR CHART

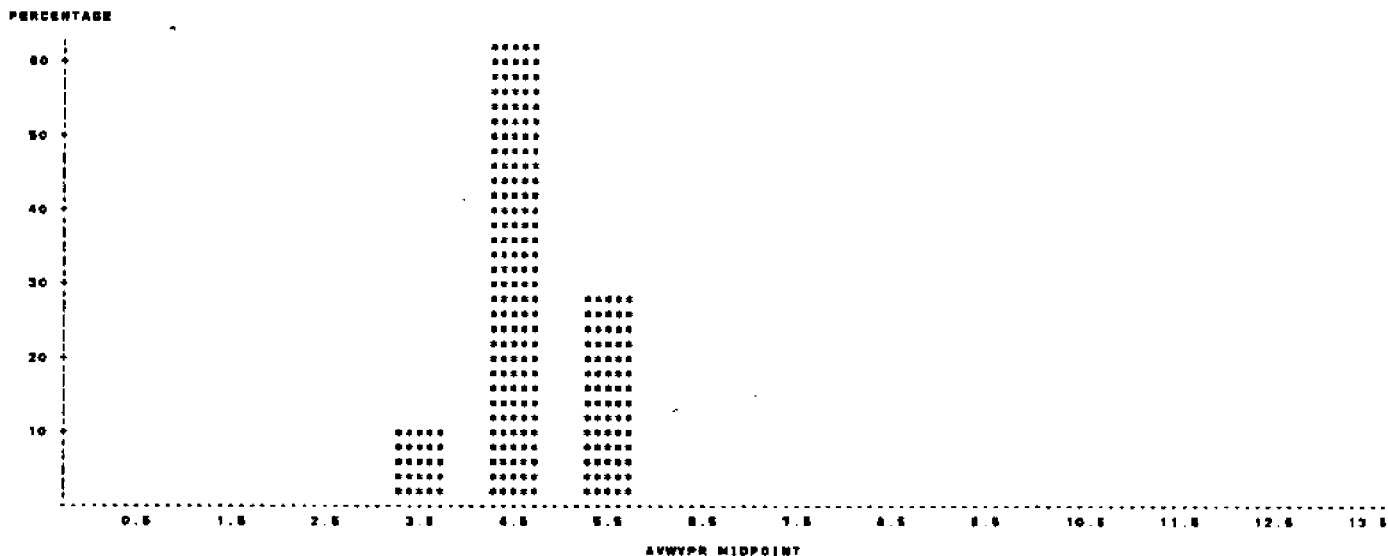


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42001 JUNE 1980

TABLE OF AWVPR BY SIGWHT

AWVPR	SIGWHT				TOTAL
	<=0.5	<=1.0	<=1.5	<=2.0	
FREQUENCY					
PERCENT					
ROW PCT					
COL PCT					
<=1.0	55	7	0	0	62
	8.18	0.87	0.00	0.00	8.17
	88.38	10.81	0.00	0.00	
	28.14	2.85	0.00	0.00	
<=1.5	213	222	18	0	453
	28.88	30.83	2.80	0.00	62.52
	47.02	48.01	2.97	0.00	
	72.70	81.82	12.00	0.00	
<=2.0	20	42	132	6	200
	2.78	6.83	15.33	0.83	27.78
	10.00	21.00	88.00	2.00	
	8.83	18.80	88.00	100.00	
<=7.0	1	0	0	0	1
	0.14	0.00	0.00	0.00	0.14
	100.00	0.00	0.00	0.00	
	0.34	0.00	0.00	0.00	
TOTAL	283	271	150	6	720
	40.88	37.84	20.83	0.83	100.00

Table 2

DAILY STATISTICS  
RUDY #42001 JUNE 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	28.887	0.484	28.200	27.800
SEATEMP	24	27.800	0.341	27.100	28.100
WINDSPED	24	8.221	1.847	4.000	8.200
SIGWVHT	24	1.433	0.182	1.200	1.700
AVWVPR	24	5.717	0.171	5.500	6.000
----- DAY#2 -----					
AIRTEMP	24	27.087	0.272	26.800	27.700
SEATEMP	24	27.804	0.220	27.200	27.800
WINDSPED	24	6.783	0.693	6.000	8.800
SIGWVHT	24	1.323	0.109	1.200	1.800
AVWVPR	24	5.423	0.124	5.200	5.800
----- DAY#3 -----					
AIRTEMP	24	27.183	0.161	26.800	27.500
SEATEMP	24	27.476	0.231	27.100	27.800
WINDSPED	24	6.487	1.007	4.500	8.000
SIGWVHT	24	1.198	0.138	0.800	1.400
AVWVPR	24	5.187	0.170	4.800	5.600
----- DAY#4 -----					
AIRTEMP	24	27.288	0.288	26.800	27.800
SEATEMP	24	27.328	0.288	27.300	28.000
WINDSPED	24	7.871	0.889	6.200	8.500
SIGWVHT	24	1.232	0.078	1.200	1.800
AVWVPR	24	5.328	0.120	5.200	5.600
----- DAY#5 -----					
AIRTEMP	24	27.306	0.287	26.800	27.800
SEATEMP	24	27.479	0.231	27.200	27.800
WINDSPED	24	6.048	1.218	4.200	6.400
SIGWVHT	24	0.988	0.187	0.700	1.300
AVWVPR	24	5.037	0.184	4.700	5.300
----- DAY#6 -----					
AIRTEMP	24	27.812	0.210	27.100	28.000
SEATEMP	24	27.804	0.382	27.100	28.100
WINDSPED	24	4.878	0.802	3.800	6.800
SIGWVHT	24	0.888	0.080	0.800	0.700
AVWVPR	24	4.806	0.158	4.200	4.800

Table 3

DAILY STATISTICS  
RUDY #42001 JUNE 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	27.600	0.305	27.100	28.000
SEATEMP	24	27.846	0.480	27.300	28.800
WINDSPED	24	3.884	1.117	1.800	5.700
SIGWVHT	24	0.842	0.088	0.400	0.800
AVWVPR	24	4.388	0.164	4.100	4.800
----- DAY#8 -----					
AIRTEMP	24	27.187	0.231	26.800	27.700
SEATEMP	24	27.867	0.426	27.300	28.500
WINDSPED	24	4.375	1.188	1.300	6.200
SIGWVHT	24	0.421	0.061	0.400	0.500
AVWVPR	24	4.322	0.205	4.100	4.800
----- DAY#9 -----					
AIRTEMP	24	27.225	0.489	26.700	28.500
SEATEMP	24	28.387	0.718	27.800	28.800
WINDSPED	24	2.804	1.381	0.400	5.000
SIGWVHT	24	0.528	0.088	0.400	0.700
AVWVPR	24	4.917	0.281	4.600	5.800
----- DAY#10 -----					
AIRTEMP	24	27.328	0.701	26.800	28.700
SEATEMP	24	28.880	0.827	28.100	31.300
WINDSPED	24	1.883	0.823	0.800	4.100
SIGWVHT	24	0.382	0.077	0.300	0.800
AVWVPR	24	5.422	0.227	4.800	5.100
----- DAY#11 -----					
AIRTEMP	24	27.146	0.561	26.800	27.800
SEATEMP	24	28.704	0.484	28.000	29.500
WINDSPED	24	2.428	1.282	0.800	5.800
SIGWVHT	24	0.442	0.080	0.400	0.800
AVWVPR	24	4.728	0.166	4.400	5.000
----- DAY#12 -----					
AIRTEMP	24	27.283	0.220	27.000	27.800
SEATEMP	24	28.546	0.184	28.300	28.800
WINDSPED	24	6.822	1.087	3.800	8.800
SIGWVHT	24	0.883	0.222	0.400	1.100
AVWVPR	24	4.412	0.221	4.100	4.900

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42001 JUNE 1950

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	27.482	0.257	26.400	28.100
SEATEMP	24	26.387	0.146	25.100	28.500
WINDSPED	24	7.375	0.928	5.000	9.800
SIGWHT	24	1.062	0.121	0.800	1.300
AVWVPR	24	4.988	0.112	4.500	5.200
----- DAY#14 -----					
AIRTEMP	24	27.884	0.201	27.100	28.100
SEATEMP	24	26.217	0.127	25.000	28.500
WINDSPED	24	7.287	0.725	5.700	9.100
SIGWHT	24	1.225	0.123	1.000	1.400
AVWVPR	24	5.258	0.174	4.800	5.500
----- DAY#15 -----					
AIRTEMP	24	27.471	0.182	27.100	28.000
SEATEMP	24	27.245	0.135	27.500	28.200
WINDSPED	24	7.384	0.648	5.700	8.800
SIGWHT	24	1.208	0.135	1.000	1.500
AVWVPR	24	5.188	0.224	4.800	5.800
----- DAY#16 -----					
AIRTEMP	24	27.455	0.448	25.500	28.200
SEATEMP	24	27.850	0.468	27.800	28.500
WINDSPED	24	6.142	1.778	2.400	8.300
SIGWHT	24	0.878	0.110	0.700	1.000
AVWVPR	24	4.753	0.076	4.500	4.900
----- DAY#17 -----					
AIRTEMP	24	27.767	0.289	27.300	28.200
SEATEMP	24	26.137	0.354	27.500	28.400
WINDSPED	24	4.817	0.897	3.100	6.800
SIGWHT	24	0.858	0.098	0.800	0.900
AVWVPR	24	4.821	0.157	4.500	5.100
----- DAY#18 -----					
AIRTEMP	24	27.842	0.388	27.400	28.800
SEATEMP	24	26.882	0.508	27.800	28.800
WINDSPED	24	3.754	1.771	1.300	6.600
SIGWHT	24	0.698	0.088	0.500	0.700
AVWVPR	24	4.242	0.288	4.200	5.000

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	28.117	0.510	27.800	28.000
SEATEMP	24	28.212	0.718	28.000	30.200
WINDSPED	24	3.448	1.828	0.700	8.700
SIGWHT	24	0.468	0.025	0.300	0.500
AVWVPR	24	4.382	0.373	3.800	5.000
----- DAY#20 -----					
AIRTEMP	24	28.217	0.452	27.700	28.400
SEATEMP	24	28.571	0.480	28.100	28.400
WINDSPED	24	4.080	1.828	1.400	8.200
SIGWHT	24	0.425	0.090	0.300	0.600
AVWVPR	24	4.154	0.248	3.800	4.600
----- DAY#21 -----					
AIRTEMP	24	28.523	0.788	27.800	30.400
SEATEMP	24	28.821	0.718	28.100	30.400
WINDSPED	24	3.500	2.877	0.100	7.800
SIGWHT	24	0.721	0.078	0.500	0.800
AVWVPR	24	4.742	0.232	4.400	5.100
----- DAY#22 -----					
AIRTEMP	24	28.478	0.481	27.800	28.500
SEATEMP	24	28.058	0.822	28.400	30.300
WINDSPED	24	3.282	1.840	1.100	5.200
SIGWHT	24	0.780	0.128	0.500	0.800
AVWVPR	24	4.808	0.288	4.500	5.200
----- DAY#23 -----					
AIRTEMP	24	28.342	0.381	27.800	28.100
SEATEMP	24	28.778	0.382	28.200	28.400
WINDSPED	24	3.821	1.297	1.800	7.000
SIGWHT	24	0.528	0.088	0.500	0.600
AVWVPR	24	4.858	0.172	4.400	5.000
----- DAY#24 -----					
AIRTEMP	24	28.282	0.517	27.800	28.200
SEATEMP	24	28.882	0.387	28.100	28.200
WINDSPED	24	3.267	1.838	0.200	6.000
SIGWHT	24	0.600	0.088	0.500	0.700
AVWVPR	24	4.748	0.318	4.200	5.200

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42001 JUNE 1990

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY 25 -----					
AIRTEMP	24	28.787	0.818	27.800	30.800
SEATEMP	24	28.887	0.888	28.300	31.300
WINDSPED	24	3.287	2.080	0.100	8.800
SIGWVHT	24	0.808	0.841	0.800	0.700
AVWVPR	24	4.778	0.321	4.200	5.300
----- DAY 26 -----					
AIRTEMP	24	28.788	0.848	28.200	30.800
SEATEMP	24	28.283	0.388	28.800	30.400
WINDSPED	24	4.078	1.428	0.300	8.200
SIGWVHT	24	0.433	0.088	0.400	0.800
AVWVPR	24	4.271	0.488	3.700	4.800
----- DAY 27 -----					
AIRTEMP	24	28.884	0.427	27.800	29.300
SEATEMP	24	28.217	0.313	28.800	28.800
WINDSPED	24	4.188	1.380	1.300	7.800
SIGWVHT	24	0.887	0.088	0.400	0.800
AVWVPR	24	3.878	0.247	3.200	4.400
----- DAY 28 -----					
AIRTEMP	24	28.337	0.813	27.400	29.400
SEATEMP	24	28.204	0.488	28.700	30.300
WINDSPED	24	8.133	1.827	1.300	8.400
SIGWVHT	24	0.488	0.188	0.300	0.800
AVWVPR	24	3.878	0.088	3.700	4.100
----- DAY 29 -----					
AIRTEMP	24	28.771	0.328	28.200	28.300
SEATEMP	24	28.387	0.388	28.800	28.800
WINDSPED	24	3.417	1.180	1.800	5.300
SIGWVHT	24	0.428	0.088	0.300	0.800
AVWVPR	24	4.137	0.220	3.800	4.400
----- DAY 30 -----					
AIRTEMP	24	28.878	0.887	28.200	29.800
SEATEMP	24	28.788	0.880	28.800	30.800
WINDSPED	24	3.488	0.723	0.800	8.100
SIGWVHT	24	0.378	0.118	0.200	0.800
AVWVPR	24	4.848	0.180	4.300	4.800

Table 3 (continue)

42002 JULY 1980



MONTHLY WAVE STATISTIC SUMMARY  
 STUDY #42002 JULY 1980

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	744	24.983	0.892	23.700	21.700	8.000	-1.328	8.008
SEATEMP	744	28.981	0.488	28.200	32.800	2.200	1.888	8.001
BAROMTR	744	1018.155	2.278	1008.800	1019.200	10.200	-0.482	-0.898
WINDSPD	740	3.970	2.628	0.100	11.700	11.600	0.831	-0.378
WINDDRG	744	148.182	70.887	0.200	358.000	358.800	0.878	0.888
SIGWVHT	744	0.818	0.383	0.100	1.800	1.800	1.130	0.708
AWVWPR	744	8.211	0.581	2.800	8.700	2.800	0.051	-0.580

HISTOGRAM OF WIND SPEED (M/SEC)  
 STUDY #42002 JULY 1980  
 PERCENTAGE BAR CHART

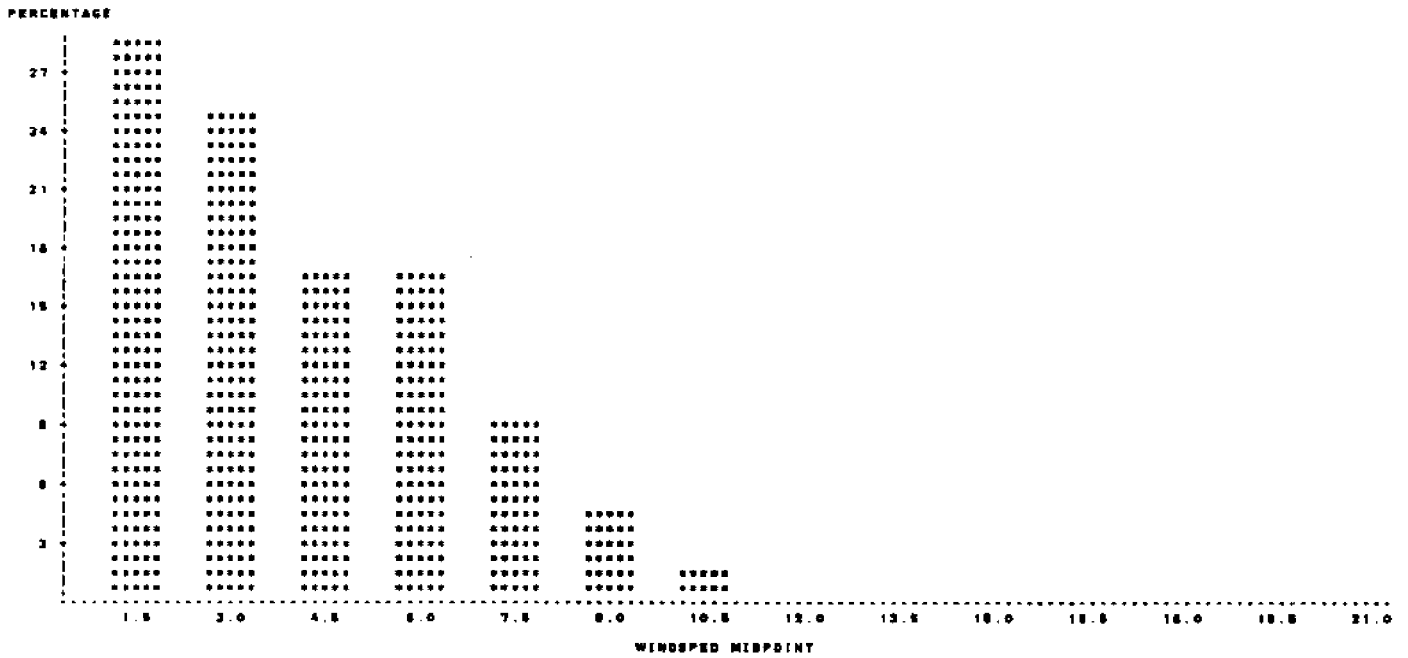


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUDY #42002 JULY 1960

PERCENTAGE BAR CHART

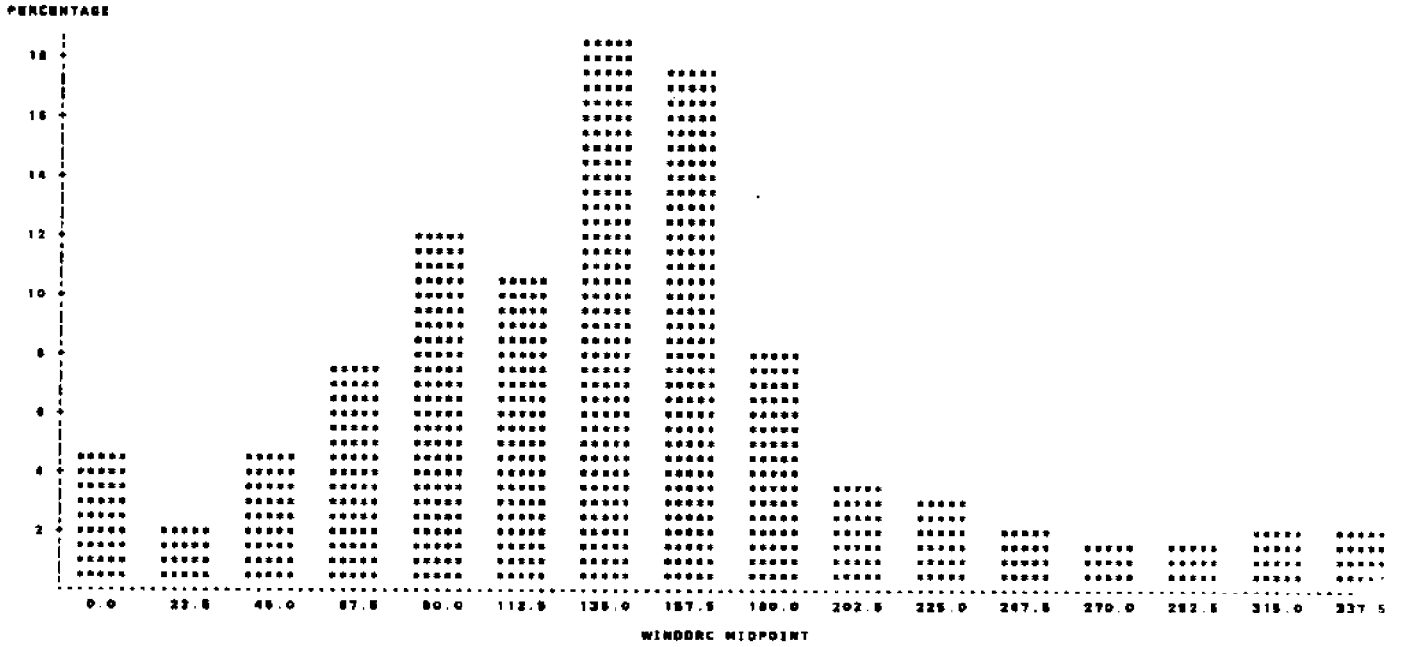


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUDY #42002 JULY 1960

PERCENTAGE BAR CHART

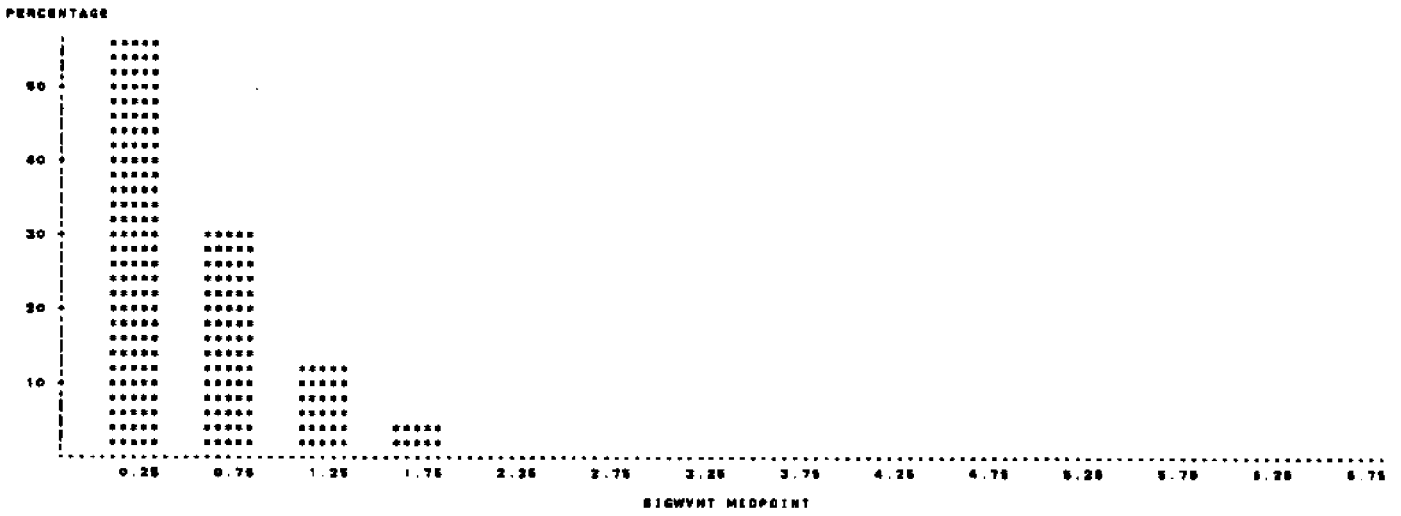


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUDY #42002 JULY 1980

PERCENTAGE BAR CHART

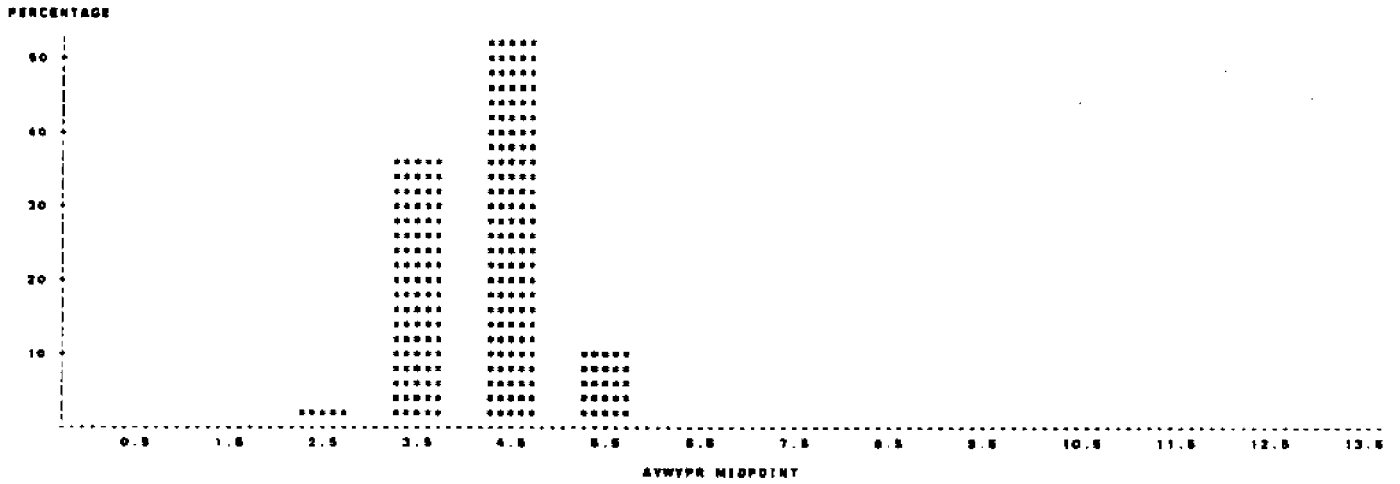


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUDY #42002 JULY 1980

TABLE OF AWWYPR BY SIGWHT

AWWYPR	SIGWHT				TOTAL
	<=0.5	<=1.0	<=1.5	<=2.0	
	FREQUENCY				
	PERCENT				
	ROW PCT				
	COL PCT				
<=2.0	6	0	0	0	6
	1.06	0.00	0.00	0.00	1.06
	100.00	0.00	0.00	0.00	
	1.84	0.00	0.00	0.00	
<=4.0	323	80	0	0	372
	20.84	8.72	0.00	0.00	20.84
	61.82	18.38	0.00	0.00	
	83.68	22.32	0.00	0.00	
<=6.0	160	171	37	1	369
	24.19	22.96	4.97	0.12	24.19
	48.27	43.96	9.91	0.25	
	43.68	76.00	44.08	4.28	
<=8.0	2	4	47	22	75
	0.27	0.54	8.32	2.98	10.08
	2.67	5.32	82.87	28.33	
	0.49	1.78	65.89	99.85	
TOTAL	412	225	84	23	744
	98.28	30.24	11.28	3.09	100.00

Table 2

DAILY STATISTICS  
BUOY #42002 JULY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	29.454	0.807	28.800	31.700
SEATEMP	24	30.155	0.881	29.900	31.500
WINDSPED	24	2.743	1.277	0.700	4.800
SIWVHT	24	0.408	0.080	0.300	0.500
AYWVPR	24	4.312	0.170	4.000	4.800
----- DAY#2 -----					
AIRTEMP	24	29.217	0.873	28.300	30.100
SEATEMP	24	30.108	0.843	29.800	30.900
WINDSPED	24	2.075	1.058	0.900	4.200
SIWVHT	24	0.204	0.048	0.100	0.300
AYWVPR	24	4.187	0.231	3.200	4.800
----- DAY#3 -----					
AIRTEMP	24	29.017	0.388	28.500	29.800
SEATEMP	24	29.887	0.483	28.900	31.000
WINDSPED	24	3.228	0.888	1.300	4.800
SIWVHT	24	0.212	0.024	0.200	0.300
AYWVPR	24	3.171	0.145	2.900	3.400
----- DAY#4 -----					
AIRTEMP	24	29.154	0.312	28.700	29.700
SEATEMP	24	29.954	0.408	28.600	30.800
WINDSPED	24	3.812	1.373	1.800	5.200
SIWVHT	24	0.400	0.125	0.200	0.800
AYWVPR	24	3.475	0.305	3.000	4.000
----- DAY#5 -----					
AIRTEMP	24	29.133	0.258	28.700	29.800
SEATEMP	24	29.885	0.187	28.800	30.300
WINDSPED	24	3.855	1.248	1.700	5.800
SIWVHT	24	0.475	0.041	0.480	0.500
AYWVPR	24	3.864	0.143	3.800	4.000
----- DAY#6 -----					
AIRTEMP	24	29.025	0.231	28.800	29.300
SEATEMP	24	29.837	0.085	28.800	29.800
WINDSPED	24	5.883	1.820	3.300	8.000
SIWVHT	24	1.028	0.280	0.800	1.500
AYWVPR	24	4.488	0.551	3.800	5.700

Table 3

DAILY STATISTICS  
BUOY #42002 JULY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	29.121	0.554	27.900	30.200
SEATEMP	24	29.837	0.425	28.300	30.800
WINDSPED	24	4.887	3.771	0.500	11.700
SIWVHT	24	1.382	0.287	0.900	1.700
AYWVPR	24	5.987	0.130	4.700	6.300
----- DAY#8 -----					
AIRTEMP	24	29.242	0.323	28.800	29.800
SEATEMP	24	29.825	0.307	28.400	30.200
WINDSPED	24	3.579	1.225	1.800	5.800
SIWVHT	24	0.517	0.134	0.400	0.600
AYWVPR	24	4.388	0.181	4.100	4.800
----- DAY#9 -----					
AIRTEMP	24	29.182	0.908	28.500	29.800
SEATEMP	24	30.028	0.810	29.900	31.000
WINDSPED	24	3.183	0.872	0.400	3.700
SIWVHT	24	0.368	0.055	0.200	0.500
AYWVPR	24	4.187	0.145	3.900	4.500
----- DAY#10 -----					
AIRTEMP	24	29.287	0.473	28.100	29.300
SEATEMP	24	30.080	0.471	28.800	31.200
WINDSPED	24	2.582	1.280	1.100	4.700
SIWVHT	24	0.278	0.055	0.200	0.400
AYWVPR	24	3.633	0.317	3.300	4.200
----- DAY#11 -----					
AIRTEMP	24	29.550	0.775	28.700	31.300
SEATEMP	24	30.317	0.705	28.700	31.700
WINDSPED	24	1.583	1.075	0.100	3.300
SIWVHT	24	0.217	0.038	0.200	0.300
AYWVPR	24	3.505	0.154	3.300	4.000
----- DAY#12 -----					
AIRTEMP	24	29.450	0.779	27.800	31.000
SEATEMP	24	30.275	0.884	28.800	31.800
WINDSPED	24	3.087	1.051	0.180	3.400
SIWVHT	24	0.204	0.020	0.200	0.300
AYWVPR	24	3.450	0.182	3.200	3.700

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 JULY 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	28.287	0.284	28.000	28.500
SEATEMP	24	28.012	0.272	28.700	28.800
WINDSPED	24	4.212	1.182	2.200	5.200
SIGWYHT	24	0.428	0.120	0.100	0.600
AVWVPR	24	3.842	0.281	3.000	4.200
----- DAY#14 -----					
AIRTEMP	24	28.287	0.218	28.900	30.100
SEATEMP	24	28.882	0.218	28.900	30.500
WINDSPED	24	5.048	1.526	1.800	7.100
SIGWYHT	24	0.667	0.076	0.500	0.800
AVWVPR	24	4.017	0.288	3.800	4.500
----- DAY#15 -----					
AIRTEMP	24	28.808	0.406	28.700	31.800
SEATEMP	24	28.478	0.818	28.700	32.800
WINDSPED	24	1.828	1.012	0.100	3.600
SIGWYHT	24	0.471	0.081	0.400	0.600
AVWVPR	24	4.371	0.176	4.100	4.700
----- DAY#16 -----					
AIRTEMP	24	28.054	0.402	28.400	30.200
SEATEMP	24	28.182	0.282	28.800	30.800
WINDSPED	23	2.888	1.487	1.100	5.100
SIGWYHT	24	0.312	0.048	0.200	0.400
AVWVPR	24	4.278	0.582	3.100	4.900
----- DAY#17 -----					
AIRTEMP	24	28.137	0.417	28.800	29.400
SEATEMP	24	28.078	0.184	28.400	28.700
WINDSPED	23	3.711	1.728	0.700	6.800
SIGWYHT	24	0.317	0.088	0.200	0.500
AVWVPR	24	3.908	0.222	3.300	4.200
----- DAY#18 -----					
AIRTEMP	24	28.682	0.818	28.800	28.800
SEATEMP	24	28.848	0.202	28.700	29.400
WINDSPED	24	2.482	1.581	0.900	5.800
SIGWYHT	24	0.442	0.102	0.300	0.600
AVWVPR	24	3.771	0.282	3.200	4.000

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	27.004	1.848	23.700	28.500
SEATEMP	24	28.712	0.188	28.400	29.000
WINDSPED	24	4.022	2.877	0.700	8.900
SIGWYHT	24	0.521	0.108	0.300	0.700
AVWVPR	24	3.784	0.280	3.400	4.400
----- DAY#20 -----					
AIRTEMP	24	28.408	1.112	28.000	29.800
SEATEMP	24	28.727	0.184	28.800	29.000
WINDSPED	24	7.808	1.888	3.800	9.400
SIGWYHT	24	0.817	0.188	0.600	1.200
AVWVPR	24	4.180	0.246	3.800	4.800
----- DAY#21 -----					
AIRTEMP	24	28.004	0.707	27.400	28.800
SEATEMP	24	28.812	0.211	28.700	29.300
WINDSPED	24	5.863	1.888	3.300	8.300
SIGWYHT	24	0.878	0.110	0.700	1.100
AVWVPR	24	4.225	0.181	4.000	4.800
----- DAY#22 -----					
AIRTEMP	24	28.787	1.018	28.300	31.000
SEATEMP	24	28.078	0.582	28.500	31.800
WINDSPED	24	2.822	1.488	0.100	4.600
SIGWYHT	24	0.825	0.078	0.800	0.700
AVWVPR	24	4.627	0.181	4.200	4.900
----- DAY#23 -----					
AIRTEMP	24	27.782	0.978	28.800	28.000
SEATEMP	24	28.771	0.140	28.800	29.100
WINDSPED	24	3.827	2.620	0.400	10.700
SIGWYHT	24	0.588	0.082	0.500	0.700
AVWVPR	24	4.821	0.582	3.800	5.800
----- DAY#24 -----					
AIRTEMP	24	28.004	1.022	28.400	28.100
SEATEMP	24	28.782	0.072	28.600	29.000
WINDSPED	24	5.404	1.722	1.400	8.000
SIGWYHT	24	0.721	0.088	0.500	0.900
AVWVPR	24	4.042	0.288	3.700	4.500

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 JULY 1960

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	28.412	0.812	28.700	29.500
SEATEMP	24	29.708	0.088	29.500	29.800
WINDSPED	24	0.471	1.184	0.000	3.000
SIGWVHT	24	1.027	0.248	0.700	1.400
AYWVPR	24	4.817	0.407	4.000	5.300
----- DAY#26 -----					
AIRTEMP	24	26.729	0.558	27.300	29.400
SEATEMP	24	28.521	0.081	28.500	28.900
WINDSPED	24	0.221	1.730	0.700	3.000
SIGWVHT	24	1.323	0.174	1.100	1.500
AYWVPR	24	5.027	0.187	4.800	5.400
----- DAY#27 -----					
AIRTEMP	24	29.225	0.487	28.400	30.000
SEATEMP	24	29.552	0.128	29.500	29.800
WINDSPED	24	7.162	1.807	4.900	10.700
SIGWVHT	24	1.504	0.208	1.200	1.800
AYWVPR	24	5.304	0.201	5.000	5.700
----- DAY#28 -----					
AIRTEMP	24	28.179	0.519	28.600	30.500
SEATEMP	24	29.775	0.288	29.500	30.500
WINDSPED	24	5.421	1.022	1.000	8.000
SIGWVHT	24	1.048	0.135	0.800	1.200
AYWVPR	24	4.725	0.225	4.200	5.200
----- DAY#29 -----					
AIRTEMP	24	29.989	0.783	28.700	31.300
SEATEMP	24	30.271	0.752	29.800	32.000
WINDSPED	24	2.855	2.110	0.200	5.500
SIGWVHT	24	0.745	0.085	0.500	0.900
AYWVPR	24	4.817	0.185	4.300	4.900
----- DAY#30 -----					
AIRTEMP	24	29.585	1.020	28.300	31.200
SEATEMP	24	30.717	0.555	29.700	32.200
WINDSPED	24	0.685	0.455	0.100	1.500
SIGWVHT	24	0.482	0.071	0.200	0.600
AYWVPR	24	4.582	0.121	4.400	4.900

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 JULY 1960

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	24	29.833	1.278	28.400	31.300
SEATEMP	24	30.321	0.540	29.400	31.200
WINDSPED	24	1.817	1.181	0.100	4.600
SIGWVHT	24	0.245	0.081	0.200	0.300
AYWVPR	24	4.405	0.253	3.800	4.600

Table 3 (continue)

42002 AUGUST 1980

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 AUGUST 1980

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	284	26.722	0.703	25.000	30.200	5.200	-0.985	1.724
SEATEMP	284	28.816	0.718	27.000	31.700	4.700	-0.347	-0.074
BAROMTR	284	1018.887	2.482	1008.000	1028.000	12.000	-0.283	1.173
WINDSPED	282	5.820	2.052	0.300	17.800	17.500	0.771	1.268
WINDDIRC	282	130.828	39.738	11.700	308.100	296.400	0.025	0.737
SIGWVHT	282	0.872	0.811	0.200	8.900	8.700	3.782	17.187
AVWVPR	282	4.324	0.920	2.000	9.900	8.900	2.774	10.888

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 AUGUST 1980

PERCENTAGE BAR CHART

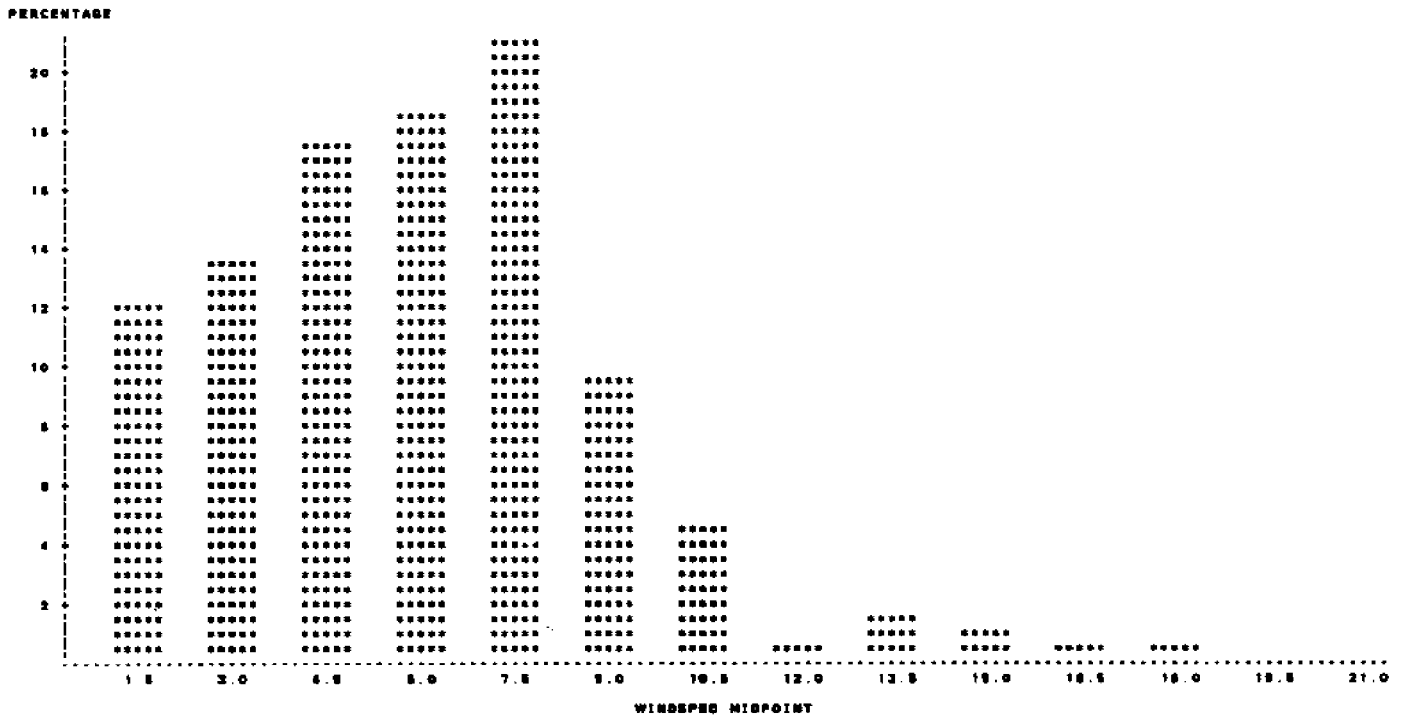


Fig. 1



HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 AUGUST 1980

PERCENTAGE BAR CHART

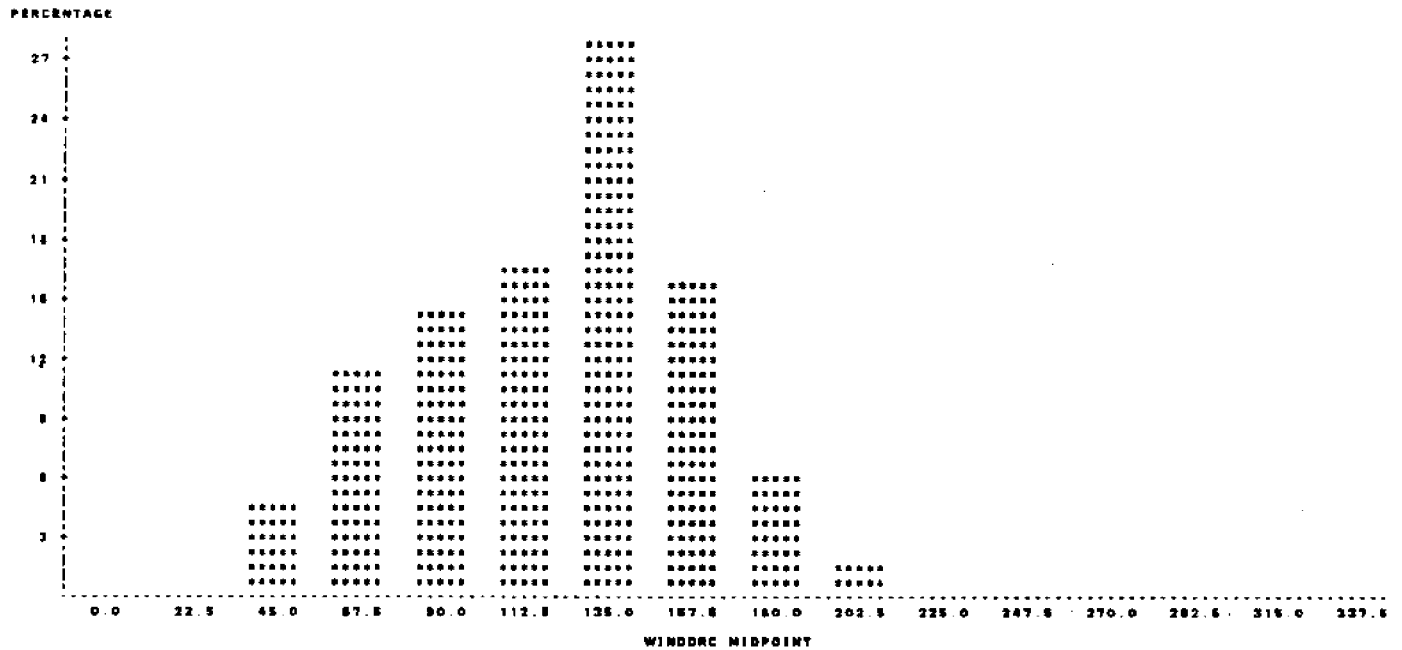


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 AUGUST 1980

PERCENTAGE BAR CHART

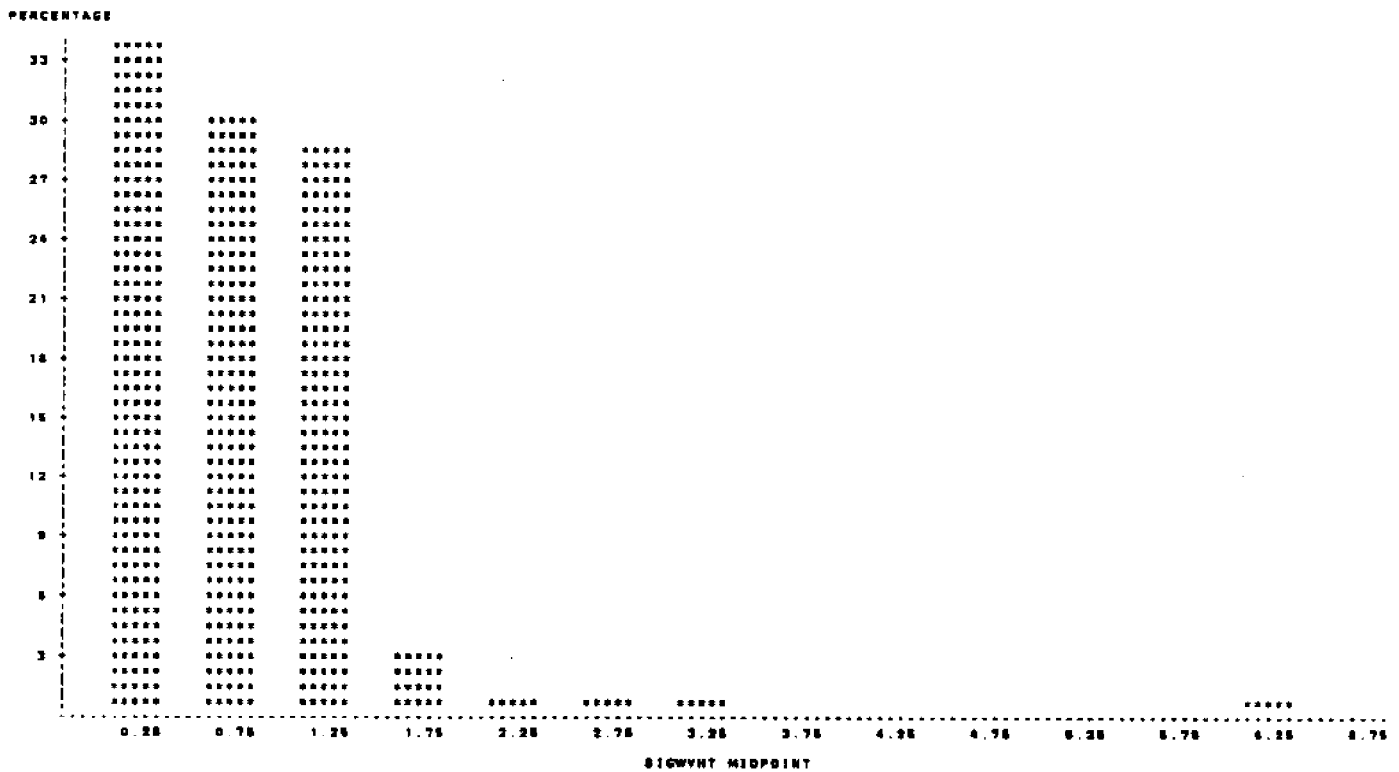


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 AUGUST 1980

PERCENTAGE BAR CHART

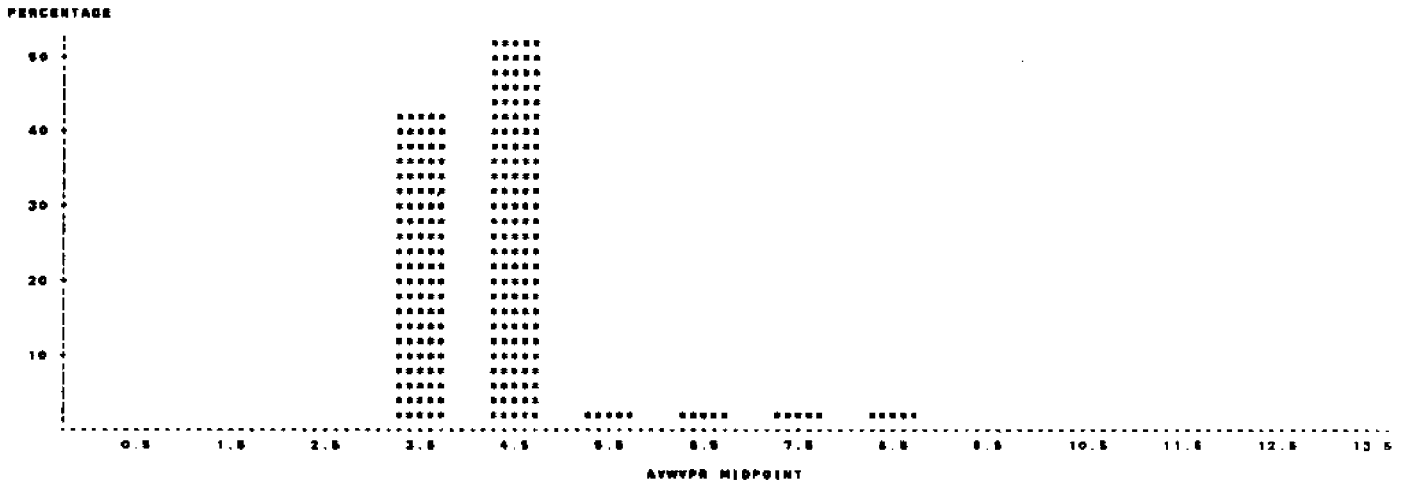


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 AUGUST 1980

TABLE OF AVWPR BY SIGNHT

AVWPR	SIGNHT	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	TOTAL
	152	0	0	0	0	0	0	
<=3.0	0	2	0	0	0	0	0	2
		0.88	0.00	0.00	0.00	0.00	0.00	0.88
		100.00	0.00	0.00	0.00	0.00	0.00	
		2.04	0.00	0.00	0.00	0.00	0.00	
<=4.0	0	87	84	0	0	0	0	121
		22.97	18.43	0.00	0.00	0.00	0.00	41.30
		88.27	44.83	0.00	0.00	0.00	0.00	
		88.27	82.07	0.00	0.00	0.00	0.00	
<=5.0	0	29	33	83	7	0	0	152
		8.80	11.28	28.33	2.38	0.00	0.00	51.88
		18.88	21.71	64.61	4.81	0.00	0.00	
		28.88	27.82	88.81	77.78	0.00	0.00	
<=6.0	0	0	0	1	2	2	0	5
		0.00	0.00	0.34	0.88	0.88	0.00	1.71
		0.00	0.00	20.88	48.88	48.88	0.00	0.88
		0.00	0.00	1.18	32.22	100.00	0.00	0.88
<=7.0	0	0	0	0	0	0	2	4
		0.00	0.00	0.00	0.00	0.00	0.88	1.37
		0.00	0.00	0.00	0.00	0.00	80.00	80.00
		0.00	0.00	0.00	0.00	0.00	100.00	88.87
<=8.0	0	0	0	0	0	0	1	4
		0.00	0.00	0.00	0.00	0.00	0.34	1.37
		0.00	0.00	0.00	0.00	0.00	28.00	0.00
		0.00	0.00	0.00	0.00	0.00	33.33	0.00
<=9.0	0	0	0	0	0	0	0	4
		0.00	0.00	0.00	0.00	0.00	0.00	1.37
		0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00	0.00	0.00
<=10.0	0	0	0	0	0	0	0	1
		0.00	0.00	0.00	0.00	0.00	0.00	0.34
		0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL		88	87	84	8	2	2	282
		33.45	28.88	28.87	3.07	0.88	0.88	1.02
								100.00

(CONTINUED)

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 AUGUST 1980

TABLE OF AWWVPR BY SIGNVHT

AWWVPR	SIGNVHT							TOTAL
	<+4.0	<+4.5	<+5.0	<+5.5	<+6.0	<+6.5	<+7.0	
	0	0	0	0	0	0	0	0
<+3.0	0	0	0	0	0	0	0	2
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<+4.0	0	0	0	0	0	0	0	121
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.20
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<+5.0	0	0	0	0	0	0	0	182
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<+6.0	0	0	0	0	0	0	0	5
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<+7.0	0	0	0	0	0	0	0	4
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<+8.0	1	1	1	0	0	0	0	4
	0.25	0.25	0.25	0.00	0.00	0.00	0.00	1.37
	25.00	25.00	25.00	0.00	0.00	0.00	0.00	
	100.00	100.00	100.00	0.00	0.00	0.00	0.00	
<+9.0	0	0	0	1	1	2	0	4
	0.00	0.00	0.00	0.25	0.25	0.50	0.00	1.37
	0.00	0.00	0.00	25.00	25.00	50.00	0.00	
	0.00	0.00	0.00	100.00	100.00	100.00	0.00	
<+10.0	0	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.25
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
TOTAL	1	1	1	1	1	2	1	123
	0.25	0.25	0.25	0.25	0.25	0.50	0.25	100.00

Table 2

DAILY STATISTICS  
 BUOY #42002 AUGUST 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY #1 -----					
AIRTEMP	24	28.108	0.883	26.800	30.200
SEATEMP	24	29.408	0.508	28.800	31.700
WINDSPED	24	2.582	1.870	0.300	5.800
SIGNVHT	24	0.327	0.081	0.200	0.400
AWWVPR	24	3.712	0.487	3.000	4.800
----- DAY #2 -----					
AIRTEMP	24	29.104	0.382	28.600	29.700
SEATEMP	24	30.217	0.302	29.800	31.000
WINDSPED	24	4.878	1.248	1.800	8.300
SIGNVHT	24	0.500	0.102	0.300	0.800
AWWVPR	24	3.888	0.230	3.400	4.200
----- DAY #3 -----					
AIRTEMP	24	29.228	0.285	28.800	29.700
SEATEMP	24	29.878	0.128	29.800	30.200
WINDSPED	24	8.478	0.829	4.400	8.900
SIGNVHT	24	0.778	0.144	0.600	1.000
AWWVPR	24	3.800	0.284	3.400	4.200
----- DAY #4 -----					
AIRTEMP	24	29.387	0.382	28.800	30.000
SEATEMP	24	29.887	0.112	29.800	30.100
WINDSPED	24	8.078	0.893	8.100	9.800
SIGNVHT	24	1.200	0.158	0.800	1.400
AWWVPR	24	4.600	0.201	3.800	4.800
----- DAY #5 -----					
AIRTEMP	24	29.428	0.251	29.100	29.800
SEATEMP	24	29.882	0.108	29.700	30.100
WINDSPED	24	7.887	1.873	4.100	11.200
SIGNVHT	24	1.404	0.148	1.200	1.700
AWWVPR	24	4.827	0.112	4.800	5.100
----- DAY #6 -----					
AIRTEMP	24	28.821	0.788	28.200	29.800
SEATEMP	24	29.828	0.098	29.700	30.000
WINDSPED	23	8.738	2.074	1.200	9.000
SIGNVHT	24	1.183	0.105	1.000	1.400
AWWVPR	24	4.812	0.118	4.400	5.800

Table 3

DAILY STATISTICS  
 BUOY #42002 AUGUST 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:7 -----					
AIRTEMP	24	28.848	0.318	28.000	29.500
SEATEMP	24	28.754	0.110	28.000	29.000
WINDSPED	24	6.828	1.584	2.500	8.500
SIGWVHT	24	1.142	0.088	0.000	1.300
AVWVPR	24	4.858	0.181	4.300	4.900
----- DAY:8 -----					
AIRTEMP	24	28.778	1.108	28.000	29.500
SEATEMP	24	28.888	0.881	28.400	29.500
WINDSPED	24	12.168	2.728	8.000	17.500
SIGWVHT	24	3.228	1.737	1.400	6.000
AVWVPR	24	6.812	1.577	4.700	8.500
----- DAY:9 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:10 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:11 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:12 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 AUGUST 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:13 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:14 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:15 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:21 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:22 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.
----- DAY:23 -----					
AIRTEMP	0	.	.	.	.
SEATEMP	0	.	.	.	.
WINDSPED	0	.	.	.	.
SIGWVHT	0	.	.	.	.
AVWVPR	0	.	.	.	.

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 AUGUST 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#27 -----					
AIRTEMP	8	28.117	0.328	27.700	28.800
SEATEMP	8	28.183	0.428	28.800	29.000
WINDSPED	8	3.082	0.988	1.900	4.100
SIGWVHT	8	0.800	0.083	0.400	0.800
AVWVPR	8	4.817	0.348	4.000	5.000
----- DAY#28 -----					
AIRTEMP	24	27.817	0.885	28.800	28.900
SEATEMP	24	28.782	0.881	28.300	29.300
WINDSPED	24	2.878	1.882	1.000	8.300
SIGWVHT	24	0.288	0.082	0.300	0.800
AVWVPR	24	3.800	0.243	3.800	4.700
----- DAY#29 -----					
AIRTEMP	24	28.237	0.817	27.400	28.800
SEATEMP	24	28.733	0.828	28.200	28.800
WINDSPED	24	3.378	1.247	0.800	8.800
SIGWVHT	23	0.381	0.072	0.300	0.800
AVWVPR	23	3.822	0.302	3.300	4.300
----- DAY#30 -----					
AIRTEMP	24	28.288	0.360	27.700	28.300
SEATEMP	24	28.832	0.338	28.400	28.700
WINDSPED	24	4.880	1.781	1.200	8.200
SIGWVHT	24	0.817	0.113	0.800	0.800
AVWVPR	24	4.084	0.481	3.300	4.700
----- DAY#31 -----					
AIRTEMP	24	27.812	0.488	28.800	28.800
SEATEMP	24	28.382	0.342	27.800	28.100
WINDSPED	24	5.387	1.817	2.800	7.800
SIGWVHT	24	0.828	0.083	0.800	0.700
AVWVPR	24	3.821	0.388	3.400	4.800

Table 3 (continue)

42002 SEPTEMBER 1980

MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 SEPTEMBER 1980

AIRTEMP	AIR TEMPERATURE (C)
SEATEMP	SEA TEMPERATURE (C)
BAROMTR	BAROMETER (MB)
WINDSPED	WIND SPEED (M/SEC)
WINDDRG	WIND DIRECTION (DEGREES FROM TRUE NORTH)
SIGWHT	SIGNIFICANT WAVE HEIGHTS (M)
AVWVPR	AVERAGE WAVE PERIODS (SEC)

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	720	28.240	0.882	25.000	30.500	5.500	-0.910	2.879
SEATEMP	720	28.127	0.885	25.100	31.500	6.400	1.871	5.125
BAROMTR	720	1013.870	1.885	1008.600	1018.500	9.900	-0.508	-0.175
WINDSPED	718	5.158	2.082	0.400	11.500	11.100	0.181	-0.219
WINDDRG	720	121.667	83.934	2.200	358.300	356.100	1.338	2.811
SIGWHT	714	0.890	0.913	0.200	2.500	2.300	1.311	0.911
AVWVPR	714	4.553	0.726	3.200	8.700	5.500	0.671	0.022

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 SEPTEMBER 1980  
 PERCENTAGE BAR CHART

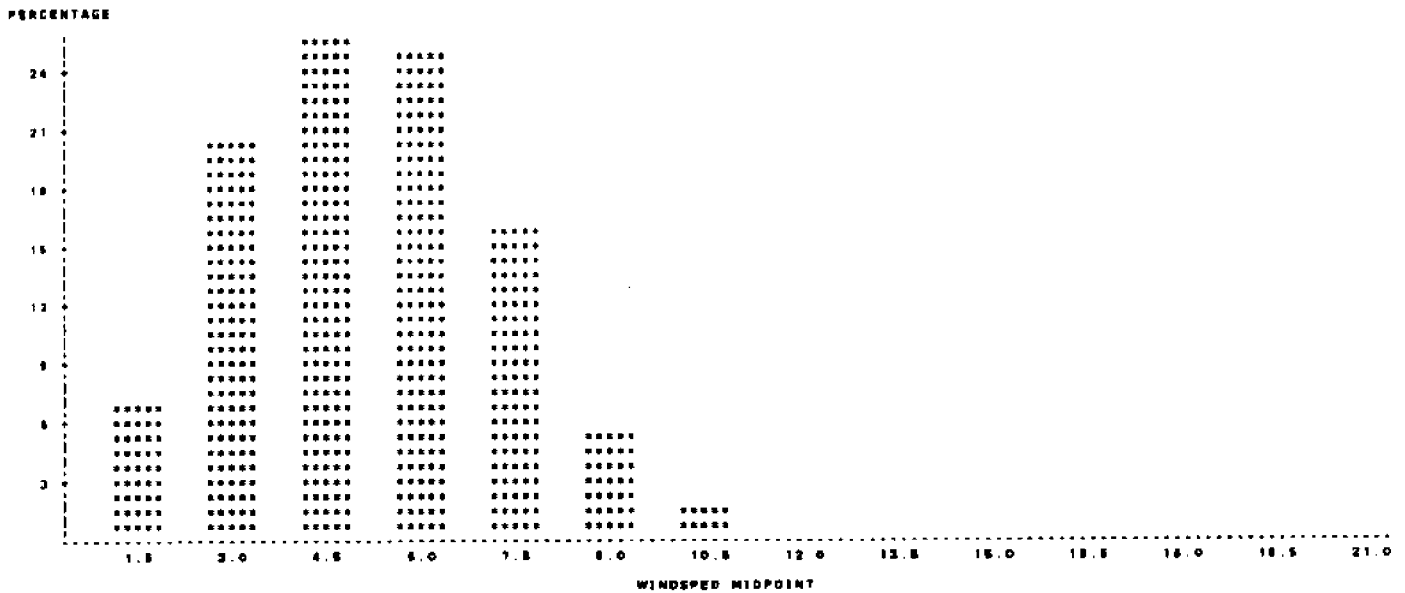


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #42002 SEPTEMBER 1980  
 PERCENTAGE BAR CHART

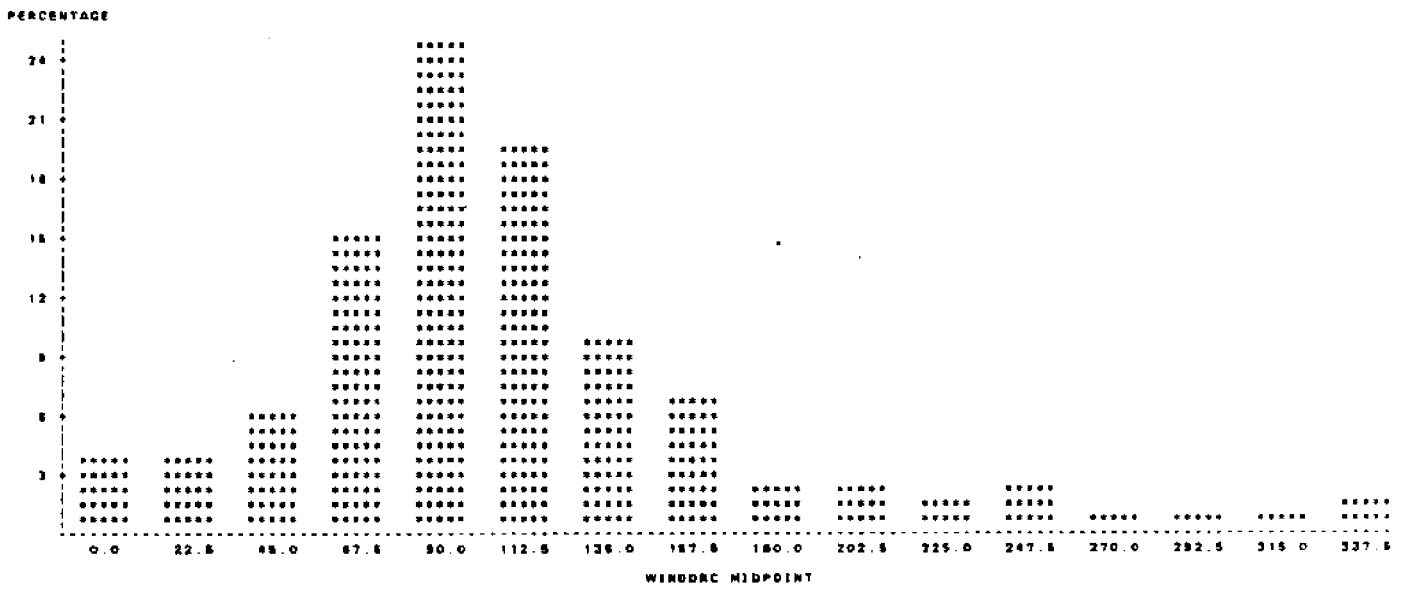


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 STUDY #42002 SEPTEMBER 1980  
 PERCENTAGE BAR CHART

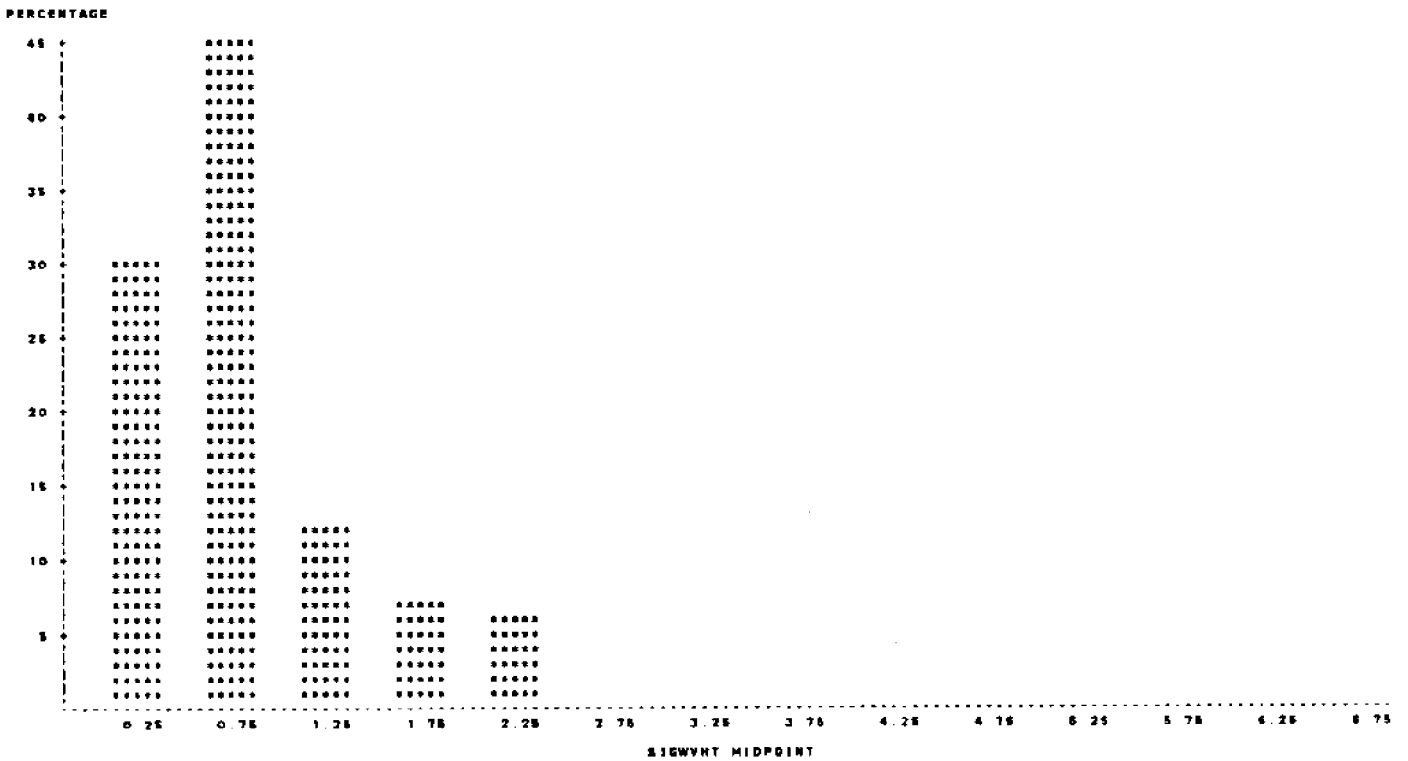


Fig. 3



HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 SEPTEMBER 1980

PERCENTAGE BAR CHART

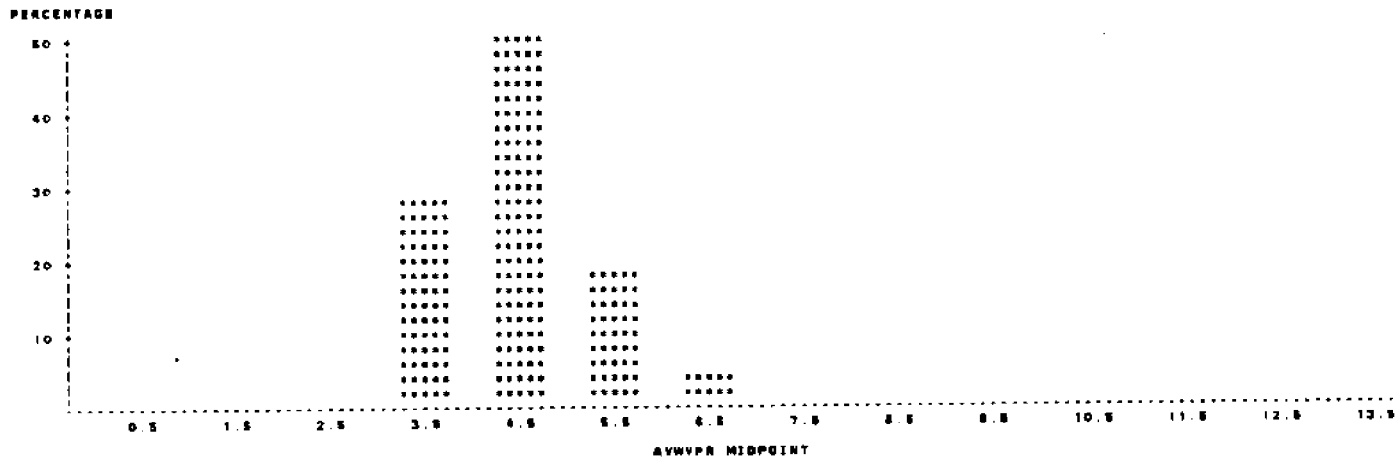


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 SEPTEMBER 1980

TABLE OF AVWVPR BY SIGWVHT

AVWVPR	SIGWVHT	SIGWVHT					TOTAL
		<+0.5	<+1.0	<+1.5	<+2.0	<+2.5	
	0	0	0	0	0	0	0
<+4.0	0	85	88	1	0	0	185
		13.31	13.57	0.14	0.00	0.00	27.31
		48.72	50.77	0.51	0.00	0.00	
		44.51	39.84	1.15	0.00	0.00	
<+5.0	0	112	182	58	2	0	354
		15.88	25.48	5.12	0.28	0.00	49.54
		31.84	51.41	15.28	0.55	0.00	
		52.53	55.70	55.57	3.77	0.00	
<+6.0	0	5	40	25	40	19	132
		0.70	5.00	3.82	5.80	2.55	18.45
		3.78	30.30	21.21	30.30	14.35	
		2.38	12.48	32.15	75.47	48.34	
<+7.0	0	0	0	0	11	22	33
		0.00	0.00	0.00	1.54	3.08	4.62
		0.00	0.00	0.00	23.33	55.87	
		0.00	0.00	0.00	20.75	53.88	
TOTAL		212	321	57	53	41	714
		28.88	44.89	12.18	7.42	5.74	100.00

Table 2

DAILY STATISTICS  
 BUOY #42002 SEPTEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	28.279	0.354	27.700	28.900
SEATEMP	24	28.587	0.294	28.100	29.200
WINDSPED	24	5.229	1.281	3.500	7.700
SIGWVHT	24	0.588	0.062	0.500	0.700
AVWVPR	24	3.867	0.387	3.300	4.400
----- DAY#2 -----					
AIRTEMP	24	27.833	0.487	26.700	28.700
SEATEMP	24	28.858	0.128	28.600	29.100
WINDSPED	24	3.888	1.151	0.700	5.800
SIGWVHT	23	0.538	0.055	0.400	0.700
AVWVPR	23	4.252	0.185	3.900	4.800
----- DAY#3 -----					
AIRTEMP	24	28.478	0.838	27.300	30.000
SEATEMP	24	29.442	0.776	28.700	31.400
WINDSPED	24	2.808	1.081	0.500	4.200
SIGWVHT	23	0.404	0.021	0.400	0.500
AVWVPR	23	3.983	0.180	3.800	4.400
----- DAY#4 -----					
AIRTEMP	24	28.428	0.418	27.700	29.000
SEATEMP	24	29.282	0.205	28.100	29.800
WINDSPED	24	3.382	0.873	1.400	4.800
SIGWVHT	23	0.422	0.080	0.300	0.500
AVWVPR	23	4.504	0.242	4.200	5.100
----- DAY#5 -----					
AIRTEMP	24	28.459	0.455	27.200	29.300
SEATEMP	24	29.254	0.221	28.000	29.700
WINDSPED	24	4.188	2.188	0.400	8.300
SIGWVHT	24	0.521	0.132	0.400	0.800
AVWVPR	24	4.542	0.478	3.900	5.400
----- DAY#6 -----					
AIRTEMP	24	28.808	0.477	27.700	30.000
SEATEMP	24	29.348	0.320	28.000	30.100
WINDSPED	24	4.355	2.215	0.500	7.400
SIGWVHT	24	0.708	0.102	0.500	0.800
AVWVPR	24	4.512	0.453	4.000	5.500

Table 3

DAILY STATISTICS  
 BUOY #42002 SEPTEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	28.678	0.343	28.100	29.100
SEATEMP	24	29.400	0.217	29.100	29.700
WINDSPED	24	4.478	0.538	1.700	5.100
SIGWVHT	24	0.500	0.051	0.400	0.600
AVWVPR	24	4.021	0.228	3.700	4.500
----- DAY#8 -----					
AIRTEMP	24	28.708	0.228	28.300	29.000
SEATEMP	24	29.133	0.283	28.800	29.800
WINDSPED	24	5.292	1.280	3.700	7.200
SIGWVHT	24	0.586	0.120	0.500	0.800
AVWVPR	24	3.971	0.220	3.700	4.400
----- DAY#9 -----					
AIRTEMP	24	28.428	0.495	26.700	29.000
SEATEMP	24	29.137	0.245	28.800	29.600
WINDSPED	24	4.371	0.891	2.800	6.200
SIGWVHT	24	0.528	0.055	0.400	0.600
AVWVPR	24	3.862	0.185	3.600	4.100
----- DAY#10 -----					
AIRTEMP	24	28.883	0.607	28.000	29.000
SEATEMP	24	29.342	0.247	29.100	29.800
WINDSPED	24	4.387	1.217	2.800	5.400
SIGWVHT	24	0.582	0.071	0.400	0.700
AVWVPR	24	3.900	0.245	3.600	4.400
----- DAY#11 -----					
AIRTEMP	24	28.588	0.912	27.400	30.500
SEATEMP	24	29.579	0.841	29.200	31.500
WINDSPED	23	2.226	0.988	0.500	3.800
SIGWVHT	24	0.454	0.061	0.400	0.500
AVWVPR	24	4.697	0.118	4.400	4.900
----- DAY#12 -----					
AIRTEMP	24	28.844	0.532	28.100	29.800
SEATEMP	24	29.537	0.210	28.300	30.100
WINDSPED	24	3.542	0.541	2.700	4.800
SIGWVHT	24	0.300	0.000	0.300	0.300
AVWVPR	24	3.821	0.383	3.400	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 SEPTEMBER 1960

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:13 -----					
AIRTEMP	24	28.760	0.332	28.100	29.100
SEATEMP	24	28.604	0.186	28.400	28.800
WINDSPED	24	4.012	0.924	1.800	6.400
SIGWVHT	24	0.417	0.092	0.300	0.500
AVWVPR	24	3.460	0.226	3.200	4.000
----- DAY:14 -----					
AIRTEMP	24	28.580	0.247	28.200	28.900
SEATEMP	24	28.382	0.134	28.200	28.700
WINDSPED	24	5.171	1.238	3.300	7.900
SIGWVHT	24	0.888	0.127	0.800	0.900
AVWVPR	24	3.876	0.180	3.800	4.200
----- DAY:15 -----					
AIRTEMP	24	28.342	0.544	28.000	28.900
SEATEMP	24	28.321	0.084	28.200	28.500
WINDSPED	24	6.626	1.488	5.000	11.500
SIGWVHT	24	0.904	0.248	0.800	1.300
AVWVPR	24	3.933	0.222	3.800	4.300
----- DAY:16 -----					
AIRTEMP	24	27.954	0.340	27.400	28.600
SEATEMP	24	28.184	0.126	28.000	28.400
WINDSPED	24	5.083	0.883	3.300	8.000
SIGWVHT	24	0.848	0.108	0.700	1.000
AVWVPR	24	4.187	0.187	3.800	4.500
----- DAY:17 -----					
AIRTEMP	24	27.880	0.414	28.800	24.500
SEATEMP	24	28.100	0.147	28.000	28.400
WINDSPED	24	6.326	1.506	2.800	8.300
SIGWVHT	23	0.928	0.188	0.700	1.300
AVWVPR	23	4.486	0.341	4.000	5.000
----- DAY:18 -----					
AIRTEMP	24	27.094	0.984	28.400	28.100
SEATEMP	24	28.076	0.080	28.800	28.300
WINDSPED	24	3.794	1.923	0.800	7.200
SIGWVHT	24	0.821	0.122	0.700	1.100
AVWVPR	24	4.586	0.226	4.300	5.000

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:19 -----					
AIRTEMP	24	27.548	0.180	27.200	27.800
SEATEMP	24	28.804	0.106	28.800	29.000
WINDSPED	24	4.526	1.277	2.300	7.300
SIGWVHT	24	0.882	0.076	0.800	0.900
AVWVPR	24	4.380	0.238	4.100	4.800
----- DAY:20 -----					
AIRTEMP	24	27.817	0.783	28.800	28.000
SEATEMP	24	28.708	0.216	28.300	28.100
WINDSPED	24	5.827	1.821	2.100	8.200
SIGWVHT	24	1.042	0.083	0.900	1.200
AVWVPR	24	4.784	0.320	4.200	5.400
----- DAY:21 -----					
AIRTEMP	24	28.488	0.311	28.100	28.900
SEATEMP	24	28.464	0.266	28.700	29.500
WINDSPED	24	5.782	1.003	3.500	7.800
SIGWVHT	24	1.017	0.087	0.900	1.200
AVWVPR	24	4.617	0.337	4.100	5.400
----- DAY:22 -----					
AIRTEMP	24	28.378	0.304	28.000	28.700
SEATEMP	24	28.833	0.180	28.700	28.300
WINDSPED	24	5.628	1.229	3.800	7.500
SIGWVHT	23	0.888	0.082	0.800	1.100
AVWVPR	23	4.922	0.341	4.400	5.500
----- DAY:23 -----					
AIRTEMP	24	28.287	0.246	27.800	28.800
SEATEMP	24	28.782	0.121	28.800	29.000
WINDSPED	24	6.882	0.808	4.300	8.200
SIGWVHT	23	1.274	0.183	1.000	1.800
AVWVPR	23	4.926	0.380	4.400	5.600
----- DAY:24 -----					
AIRTEMP	24	28.171	0.233	27.800	28.800
SEATEMP	24	28.884	0.132	28.700	29.100
WINDSPED	24	7.423	0.732	5.700	8.800
SIGWVHT	24	1.923	0.210	1.800	2.300
AVWVPR	24	5.000	0.380	5.400	6.600

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 SEPTEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	26.888	0.877	26.000	28.000
SEATEMP	24	26.806	0.128	26.600	26.900
WINDSPED	24	7.317	1.778	2.800	10.600
SIGWVHT	24	2.128	0.142	1.800	2.400
AVWVPR	24	6.088	0.328	6.600	6.900
----- DAY:26 -----					
AIRTEMP	24	26.212	0.858	26.000	28.000
SEATEMP	24	26.662	0.688	26.700	26.800
WINDSPED	24	6.804	1.732	3.300	10.800
SIGWVHT	24	2.148	0.164	1.800	2.600
AVWVPR	24	6.878	0.267	6.200	6.700
----- DAY:27 -----					
AIRTEMP	24	26.860	0.260	26.100	29.100
SEATEMP	24	26.888	0.088	26.800	26.180
WINDSPED	24	6.086	1.438	6.000	8.800
SIGWVHT	24	1.771	0.148	1.600	2.000
AVWVPR	24	6.426	0.312	4.900	6.000
----- DAY:28 -----					
AIRTEMP	24	26.337	0.278	27.800	26.800
SEATEMP	24	26.078	0.141	26.800	26.600
WINDSPED	24	6.288	0.860	6.300	7.900
SIGWVHT	24	1.242	0.102	1.100	1.600
AVWVPR	24	6.108	0.313	4.600	6.700
----- DAY:29 -----					
AIRTEMP	24	26.171	0.260	27.700	26.800
SEATEMP	24	26.117	0.120	26.000	26.300
WINDSPED	24	4.728	0.881	2.700	6.100
SIGWVHT	24	0.821	0.154	0.700	1.200
AVWVPR	24	6.012	0.266	4.600	6.600
----- DAY:30 -----					
AIRTEMP	24	26.142	0.412	27.600	26.900
SEATEMP	24	26.186	0.108	26.000	26.400
WINDSPED	24	3.108	1.042	0.700	6.100
SIGWVHT	24	0.862	0.138	0.300	0.600
AVWVPR	24	4.732	0.297	4.200	6.100

Table 3 (continue)

42002 OCTOBER 1980

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 OCTOBER 1960

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	744	25.228	2.082	15.500	28.100	12.600	-1.304	1.080
SEATEMP	744	27.517	0.825	25.000	28.400	3.400	-0.004	0.282
SAROMTR	744	1015.184	3.352	1005.400	1026.100	20.700	0.806	0.183
WINDSPD	741	6.084	2.344	0.100	18.000	17.900	0.454	0.313
WINDDRC	743	94.710	45.938	0.000	358.400	358.400	1.805	2.312
SIGWHT	732	1.117	0.723	0.200	4.300	4.100	1.720	3.803
AVWVPR	732	4.721	0.815	2.800	7.100	4.300	0.326	-0.282

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 OCTOBER 1960

PERCENTAGE BAR CHART

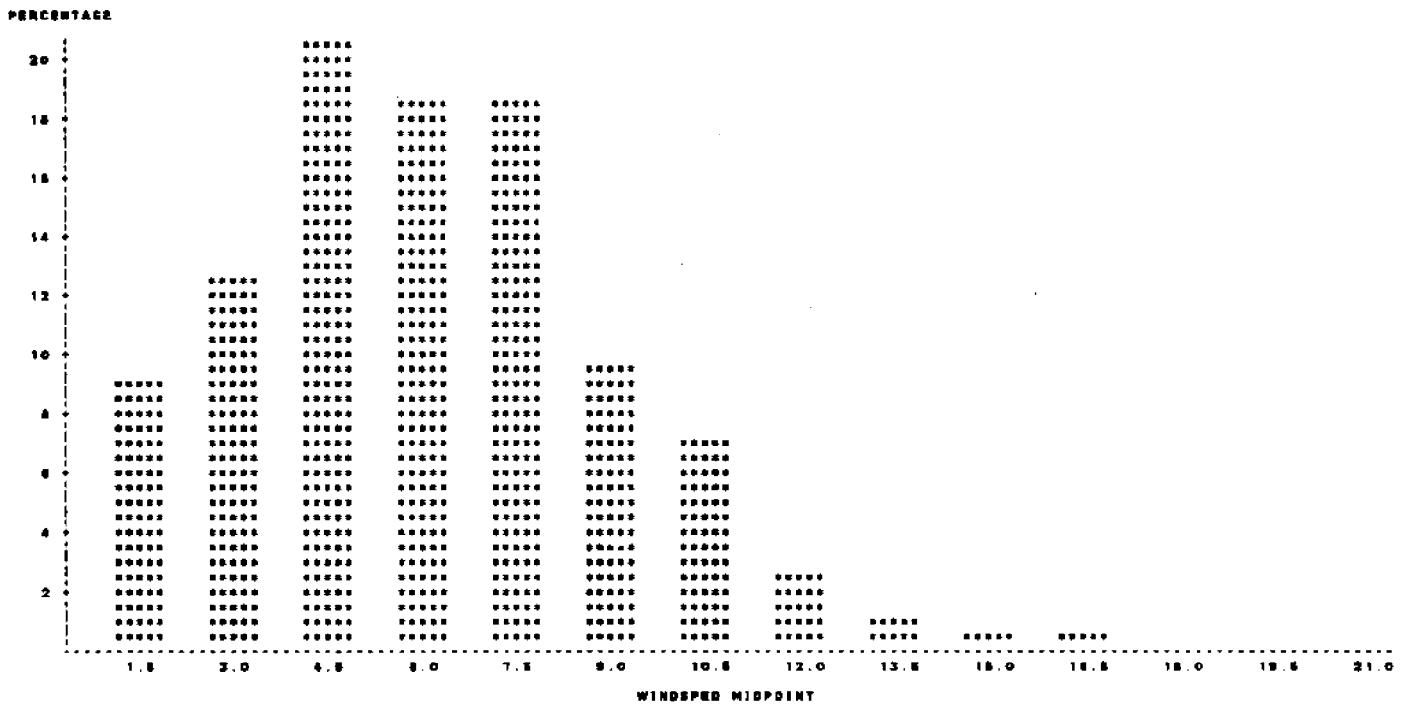


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #42002 OCTOBER 1980

PERCENTAGE BAR CHART

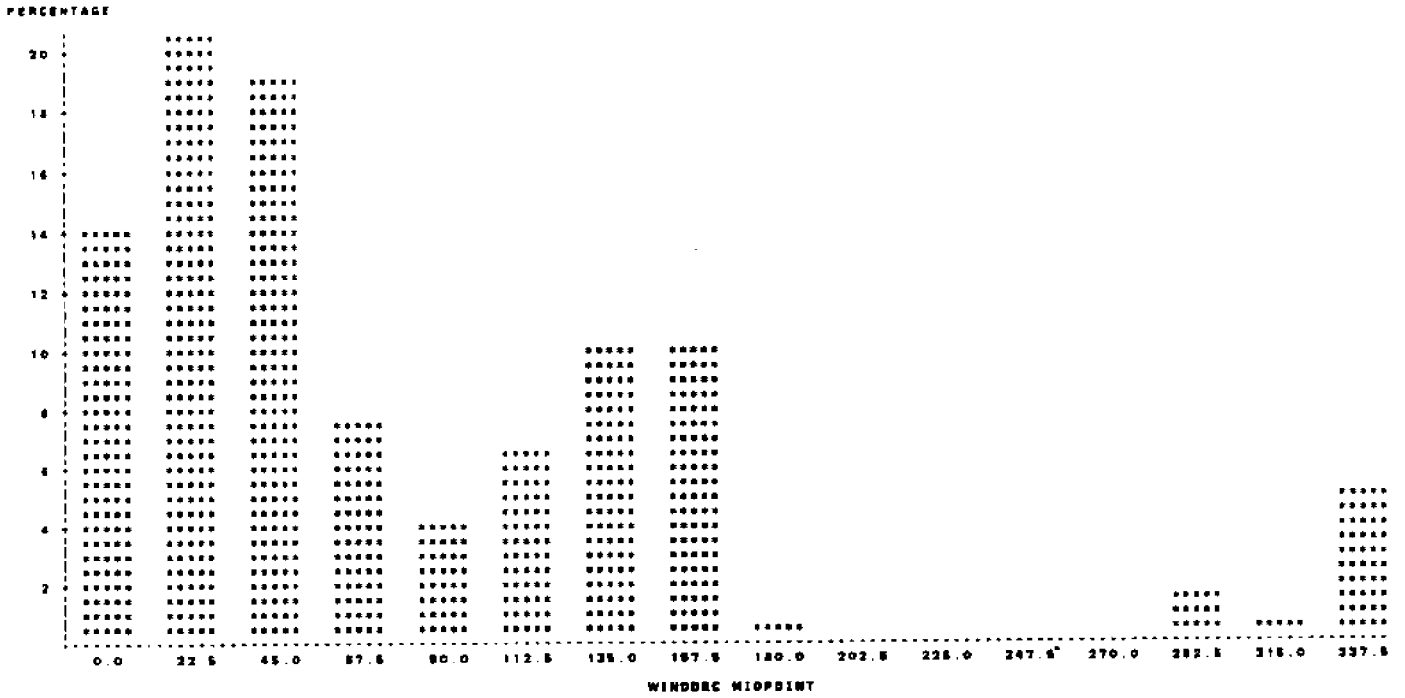


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 STUDY #42002 OCTOBER 1980

PERCENTAGE BAR CHART

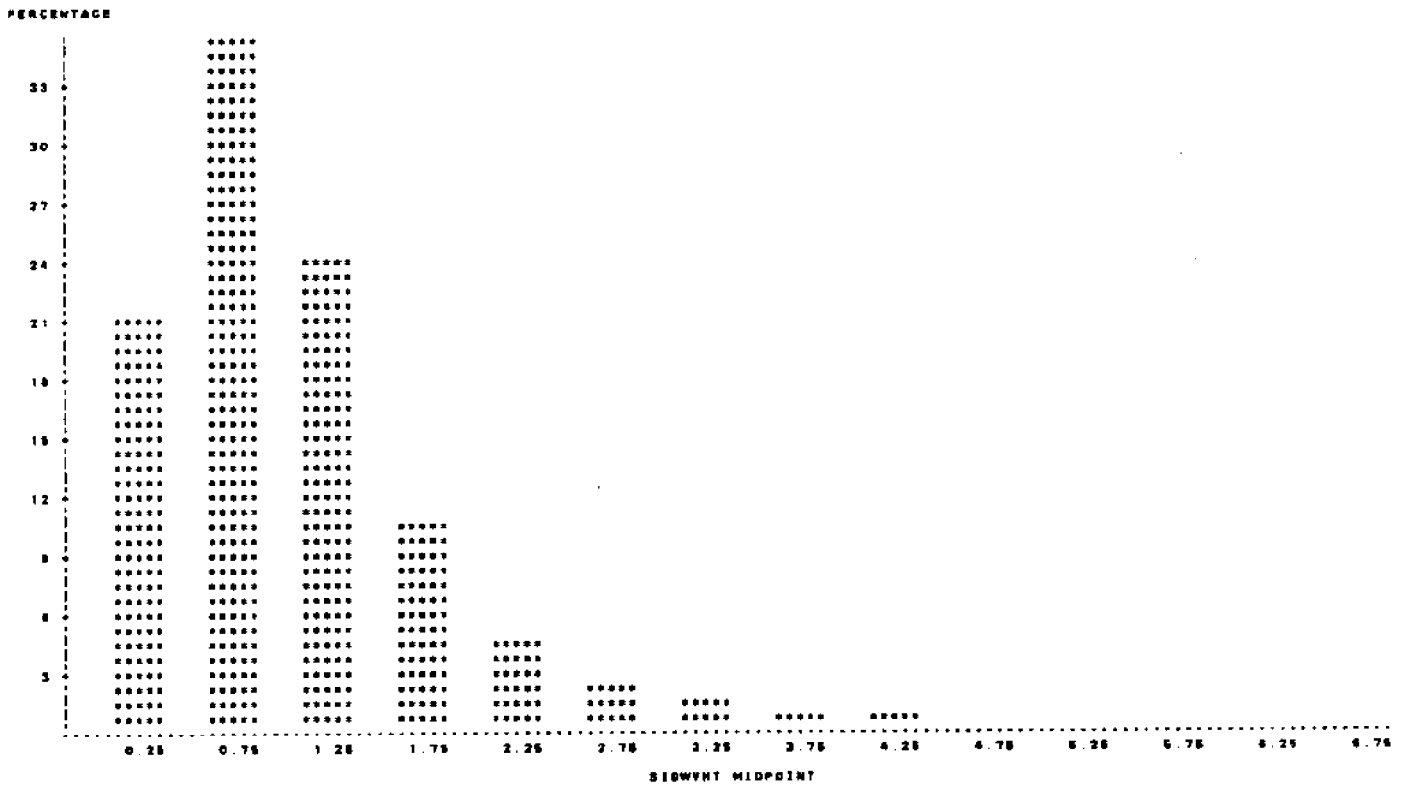


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 OCTOBER 1960

PERCENTAGE BAR CHART

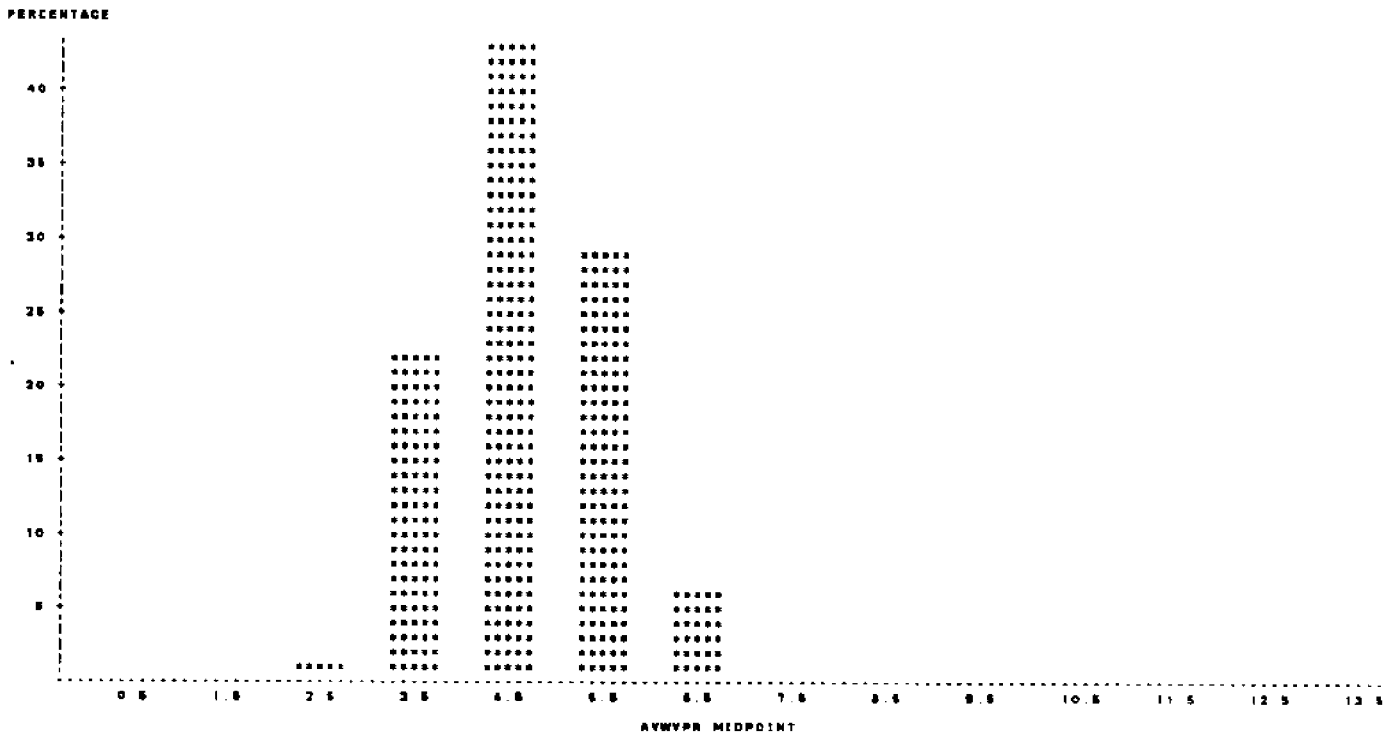


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 OCTOBER 1960

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	<=4.0	<=4.5	TOTAL
	12	0	0	0	0	0	0	0	0	0	0
<=13.0		0	8	0	0	0	0	0	0	0	8
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<=14.0		0	100	80	8	0	0	0	0	0	188
		12.83	8.82	1.08	0.00	0.00	0.00	0.00	0.00	0.00	21.88
		83.28	31.48	8.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		84.10	19.48	4.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<=15.0		0	43	152	100	20	0	0	0	0	315
		8.87	20.77	13.86	2.73	0.00	0.00	0.00	0.00	0.00	43.03
		12.88	48.28	31.78	8.38	0.00	0.00	0.00	0.00	0.00	0.00
		27.58	58.14	87.80	25.32	0.00	0.00	0.00	0.00	0.00	0.00
<=16.0		0	8	48	88	88	28	8	0	0	211
		1.09	8.68	3.88	8.08	3.42	0.88	0.00	0.00	0.00	28.83
		3.78	23.32	30.81	27.88	11.88	2.37	0.00	0.00	0.00	0.00
		5.12	18.07	37.87	74.88	80.88	33.33	0.00	0.00	0.00	0.00
<=17.0		0	0	8	0	6	10	8	8	8	42
		0.00	0.82	0.00	0.00	0.82	1.37	1.22	0.88	0.82	8.74
		0.00	14.28	0.00	0.00	14.28	23.81	21.43	11.80	14.28	0.00
		0.00	2.32	0.00	0.00	18.38	88.87	100.00	100.00	85.71	0.00
<=18.0		0	0	0	0	0	0	0	0	1	1
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.28	0.00
TOTAL		188	287	172	78	31	18	8	8	7	732
		21.31	35.11	23.83	10.78	4.23	2.08	1.23	0.88	0.88	100.00

Table 2



DAILY STATISTICS  
BUDY #42002 OCTOBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	28.321	1.018	23.800	28.100
SEATEMP	24	28.767	0.223	28.300	28.200
WINDSPED	23	8.813	2.924	1.200	10.700
SIGWVHT	24	1.042	0.480	0.300	1.800
AVWVPR	24	4.421	0.308	3.800	4.800
----- DAY#2 -----					
AIRTEMP	24	28.237	0.404	25.900	27.800
SEATEMP	24	28.687	0.088	28.500	28.800
WINDSPED	24	4.683	0.787	2.500	5.800
SIGWVHT	24	0.812	0.175	0.400	1.000
AVWVPR	24	3.808	0.487	3.200	4.700
----- DAY#3 -----					
AIRTEMP	24	28.800	0.228	28.400	27.300
SEATEMP	24	28.808	0.088	28.300	28.800
WINDSPED	24	7.117	3.284	2.800	11.500
SIGWVHT	24	0.848	0.621	0.400	2.200
AVWVPR	24	3.780	0.618	3.100	5.600
----- DAY#4 -----					
AIRTEMP	24	28.171	0.811	25.300	27.100
SEATEMP	24	28.112	0.217	27.800	28.800
WINDSPED	24	8.378	2.442	1.000	8.900
SIGWVHT	24	1.133	0.382	0.600	1.800
AVWVPR	24	4.437	0.408	4.000	5.400
----- DAY#5 -----					
AIRTEMP	24	28.376	0.812	28.300	27.800
SEATEMP	24	28.187	0.138	28.000	28.400
WINDSPED	23	2.370	1.708	0.100	5.200
SIGWVHT	24	0.337	0.110	0.200	0.800
AVWVPR	24	3.887	0.802	2.800	4.400
----- DAY#6 -----					
AIRTEMP	24	28.828	0.783	24.800	27.800
SEATEMP	24	27.933	0.120	27.800	28.200
WINDSPED	24	7.278	0.828	4.800	8.700
SIGWVHT	24	1.080	0.243	0.300	1.400
AVWVPR	24	4.017	0.482	2.900	4.800

Table 3

DAILY STATISTICS  
BUDY #42002 OCTOBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	23.882	0.415	23.300	24.800
SEATEMP	24	27.721	0.078	27.800	27.800
WINDSPED	24	8.878	0.833	5.300	8.100
SIGWVHT	24	1.142	0.188	1.000	1.400
AVWVPR	24	4.278	0.122	4.000	4.500
----- DAY#8 -----					
AIRTEMP	24	24.882	0.888	23.800	25.800
SEATEMP	24	27.812	0.128	27.800	27.800
WINDSPED	24	4.142	1.137	2.200	5.800
SIGWVHT	24	0.808	0.118	0.700	1.100
AVWVPR	24	4.783	0.427	4.200	5.800
----- DAY#9 -----					
AIRTEMP	24	28.304	0.800	24.800	28.300
SEATEMP	24	27.833	0.248	27.400	28.200
WINDSPED	24	3.080	1.401	1.300	5.800
SIGWVHT	24	0.817	0.138	0.800	1.100
AVWVPR	24	5.828	0.878	4.200	6.200
----- DAY#10 -----					
AIRTEMP	24	28.083	0.718	24.800	27.200
SEATEMP	24	27.888	0.161	27.400	27.800
WINDSPED	23	2.874	1.882	0.400	7.100
SIGWVHT	24	0.837	0.188	0.800	1.000
AVWVPR	24	5.827	0.278	5.000	6.100
----- DAY#11 -----					
AIRTEMP	24	28.408	0.777	28.400	28.000
SEATEMP	24	27.812	0.708	27.400	28.800
WINDSPED	24	1.782	1.108	0.200	4.700
SIGWVHT	24	0.828	0.088	0.800	0.800
AVWVPR	24	5.021	0.243	4.800	5.800
----- DAY#12 -----					
AIRTEMP	24	28.828	0.488	28.000	27.800
SEATEMP	24	27.878	0.238	27.300	28.200
WINDSPED	24	4.348	1.801	1.400	7.500
SIGWVHT	24	0.483	0.108	0.400	0.700
AVWVPR	24	3.884	0.288	3.300	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 OCTOBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	26.582	0.327	25.100	28.300
SEATEMP	24	27.437	0.113	27.300	27.700
WINDSPED	24	4.588	0.629	3.400	5.500
SIGWVHT	23	0.526	0.081	0.400	0.700
AVWVPR	23	3.883	0.381	3.400	4.400
----- DAY#14 -----					
AIRTEMP	24	26.571	0.559	25.000	26.800
SEATEMP	24	27.800	0.234	27.300	27.900
WINDSPED	24	3.242	0.790	1.800	4.500
SIGWVHT	24	0.278	0.088	0.300	0.500
AVWVPR	24	3.928	0.203	3.800	4.200
----- DAY#15 -----					
AIRTEMP	24	26.148	0.308	25.700	26.700
SEATEMP	24	27.571	0.081	27.800	27.600
WINDSPED	24	5.098	0.788	3.800	6.400
SIGWVHT	24	0.454	0.068	0.300	0.500
AVWVPR	24	3.767	0.131	3.300	3.800
----- DAY#16 -----					
AIRTEMP	24	28.982	0.425	28.400	27.600
SEATEMP	24	27.882	0.088	27.800	27.800
WINDSPED	24	7.867	0.920	8.800	9.700
SIGWVHT	24	1.112	0.277	0.800	1.400
AVWVPR	24	4.884	0.526	3.800	5.300
----- DAY#17 -----					
AIRTEMP	24	27.428	0.324	27.100	28.080
SEATEMP	24	27.778	0.079	27.800	27.900
WINDSPED	24	8.882	0.885	7.100	10.100
SIGWVHT	23	1.470	0.199	1.100	1.800
AVWVPR	23	5.282	0.288	4.800	5.800
----- DAY#18 -----					
AIRTEMP	24	27.446	0.348	27.000	28.000
SEATEMP	24	27.717	0.191	27.800	27.900
WINDSPED	24	7.182	1.083	5.700	8.500
SIGWVHT	24	1.384	0.088	1.200	1.800
AVWVPR	24	3.271	0.214	3.000	3.600

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 OCTOBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	26.784	0.731	24.800	27.600
SEATEMP	24	27.717	0.108	27.600	27.800
WINDSPED	24	4.898	1.828	2.200	8.800
SIGWVHT	23	0.882	0.180	0.700	1.400
AVWVPR	23	4.838	0.931	3.700	5.400
----- DAY#20 -----					
AIRTEMP	24	25.282	0.688	22.800	26.500
SEATEMP	24	27.546	0.059	27.500	27.700
WINDSPED	24	6.921	1.814	4.400	12.000
SIGWVHT	24	1.417	0.382	0.700	1.900
AVWVPR	24	4.828	0.313	3.900	4.900
----- DAY#21 -----					
AIRTEMP	24	23.082	0.718	21.100	24.300
SEATEMP	24	27.326	0.088	27.300	27.400
WINDSPED	24	6.282	1.080	3.800	8.100
SIGWVHT	24	1.078	0.338	0.700	1.800
AVWVPR	24	4.387	0.261	3.800	4.500
----- DAY#22 -----					
AIRTEMP	24	24.292	0.849	23.400	25.100
SEATEMP	24	27.289	0.028	27.200	27.300
WINDSPED	24	6.828	0.809	3.200	8.900
SIGWVHT	24	0.642	0.064	0.500	0.800
AVWVPR	24	4.060	0.213	3.800	4.500
----- DAY#23 -----					
AIRTEMP	24	25.817	0.911	24.300	27.700
SEATEMP	24	27.292	0.144	27.200	27.700
WINDSPED	24	3.471	2.428	0.300	8.100
SIGWVHT	24	0.778	0.103	0.500	1.000
AVWVPR	24	4.717	0.190	4.400	5.000
----- DAY#24 -----					
AIRTEMP	24	26.054	0.255	24.500	28.500
SEATEMP	24	27.121	0.068	27.000	27.300
WINDSPED	24	5.382	1.541	2.800	8.300
SIGWVHT	24	0.880	0.102	0.500	0.900
AVWVPR	24	4.471	0.287	3.800	4.900

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 OCTOBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	23.004	1.053	21.000	25.300
SEATEMP	24	26.008	0.955	25.000	27.000
WINDSPED	24	8.867	1.420	8.700	11.500
SIGWHT	18	1.900	0.213	1.500	2.200
AVWVPR	18	5.237	0.280	4.700	5.600
----- DAY:26 -----					
AIRTEMP	24	23.254	1.552	21.100	25.000
SEATEMP	24	26.757	0.990	25.000	28.000
WINDSPED	24	9.945	1.024	8.400	7.700
SIGWHT	24	1.021	0.217	0.700	1.500
AVWVPR	24	4.587	0.230	4.300	5.200
----- DAY:27 -----					
AIRTEMP	24	25.485	0.284	25.000	27.000
SEATEMP	24	28.837	0.087	28.700	29.000
WINDSPED	24	9.304	1.554	7.300	12.000
SIGWHT	24	1.575	0.423	1.100	2.700
AVWVPR	24	5.487	0.374	4.800	6.000
----- DAY:28 -----					
AIRTEMP	24	25.553	0.308	25.500	27.500
SEATEMP	24	27.071	0.133	26.000	27.300
WINDSPED	24	8.242	2.380	3.000	10.100
SIGWHT	24	1.587	0.245	1.400	2.200
AVWVPR	24	5.527	0.147	5.400	6.000
----- DAY:29 -----					
AIRTEMP	24	21.755	1.593	18.300	24.800
SEATEMP	24	25.782	0.153	25.500	27.200
WINDSPED	24	12.575	3.424	4.300	16.000
SIGWHT	24	3.475	0.544	2.500	4.300
AVWVPR	24	5.525	0.305	5.000	7.100
----- DAY:30 -----					
AIRTEMP	24	19.825	0.518	18.800	20.400
SEATEMP	24	26.325	0.126	26.100	26.500
WINDSPED	24	10.921	0.975	8.500	12.700
SIGWHT	23	2.575	0.417	2.000	3.500
AVWVPR	23	5.043	0.324	5.400	5.600

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:31 -----					
AIRTEMP	24	20.350	0.453	19.300	21.000
SEATEMP	24	25.050	0.059	25.000	25.200
WINDSPED	24	5.257	1.158	5.500	11.100
SIGWHT	24	1.745	0.228	1.400	2.200
AVWVPR	24	5.425	0.170	5.200	5.800

Table 3 (continue)

42002 DECEMBER 1980

MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 DECEMBER 1960

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BAROMTR BAROMETER (MB)  
 WINDSPD WIND SPEED (M/SEC)  
 WINDDIRC WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKWNESS	KURTOSIS
AIRTEMP	744	20.436	2.484	14.900	24.900	9.900	-0.340	+1.120
SEATEMP	744	22.898	0.493	21.900	23.900	2.000	0.548	-0.800
BAROMTR	744	1021.320	3.813	1013.100	1031.700	18.600	-0.028	-0.124
WINDSPD	744	5.820	2.778	0.100	13.700	13.600	0.163	-0.262
WINDDIRC	744	129.013	104.133	0.900	358.100	358.000	0.888	-0.208
SIGWVHT	744	1.285	0.648	0.300	3.700	3.400	0.938	0.658
AVWVPR	744	5.122	0.722	3.300	7.200	4.000	-0.093	-0.186

Table 1

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 DECEMBER 1960  
 PERCENTAGE BAR CHART

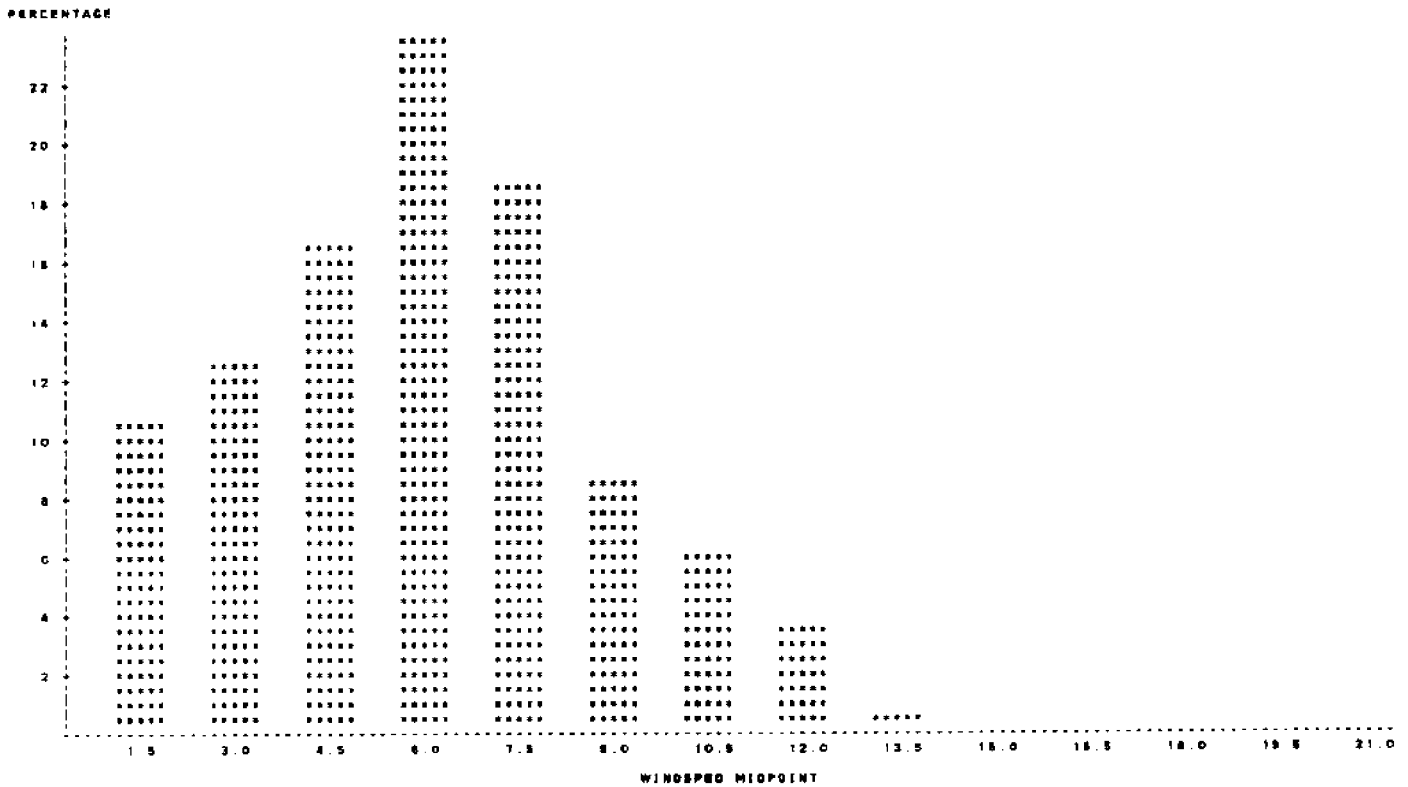


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #43002 DECEMBER 1960

PERCENTAGE BAR CHART

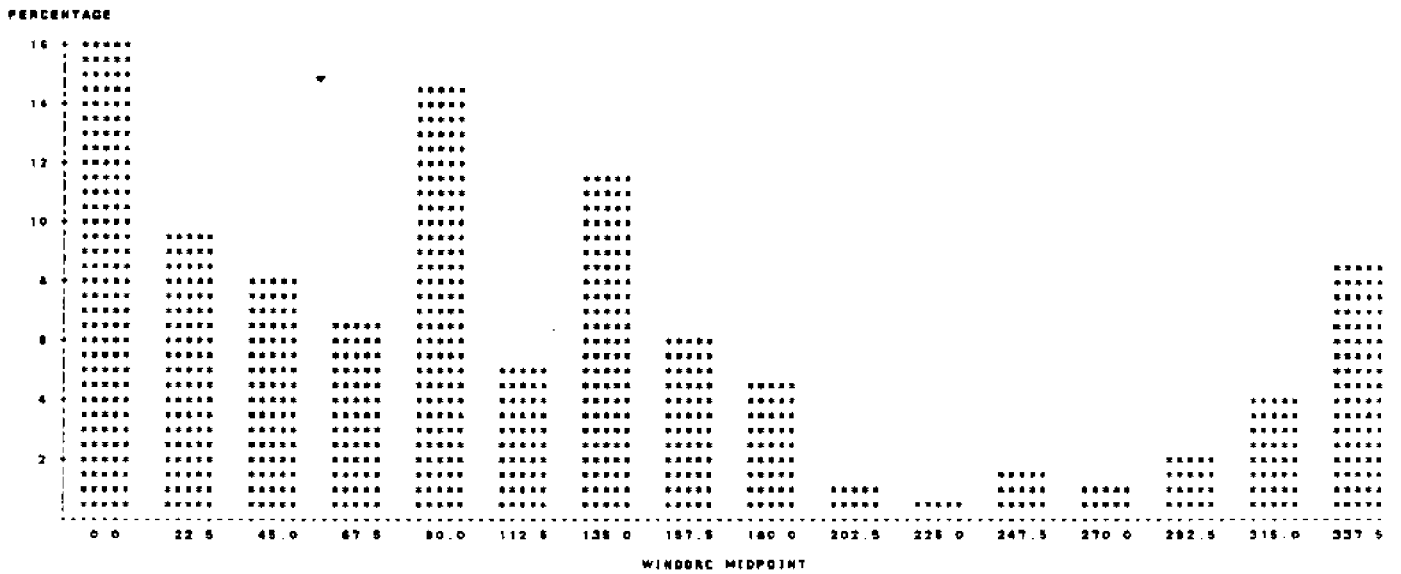


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #43002 DECEMBER 1960

PERCENTAGE BAR CHART

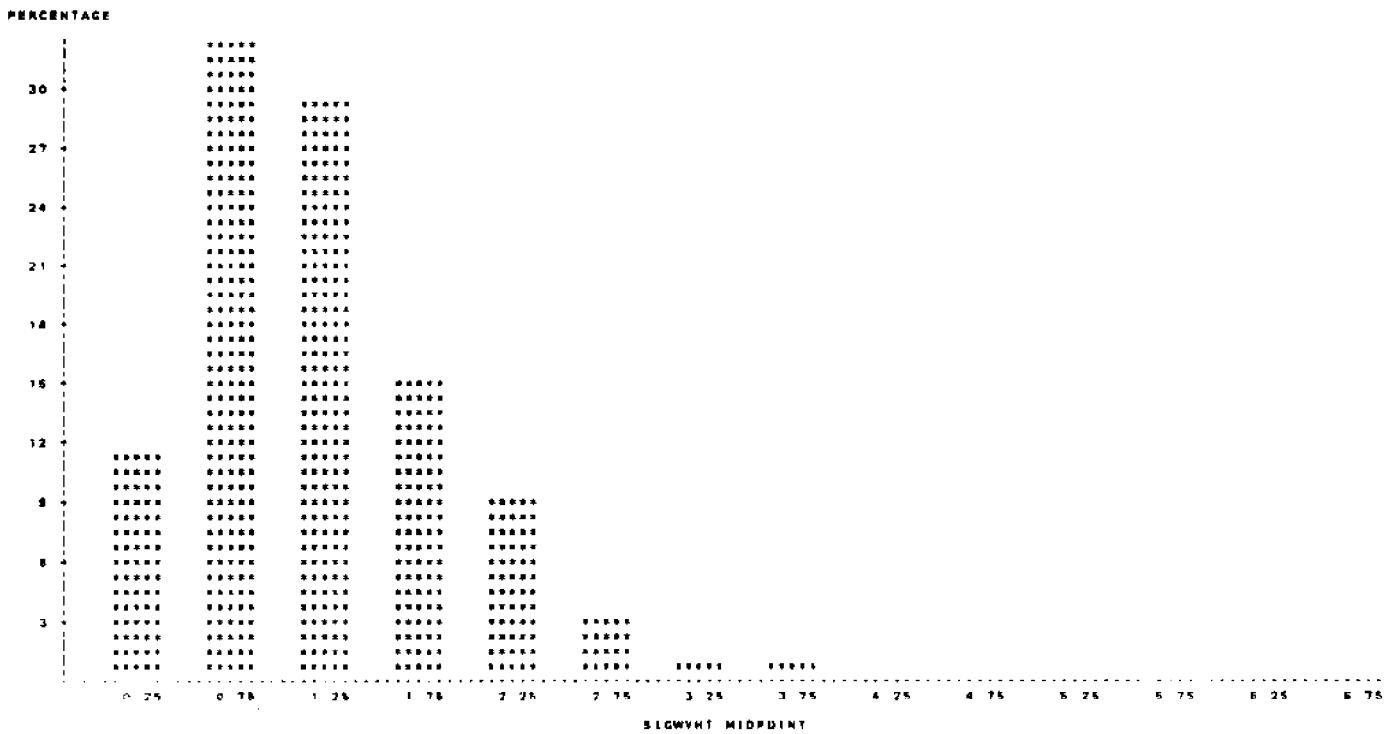


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 DECEMBER 1960

PERCENTAGE BAR CHART

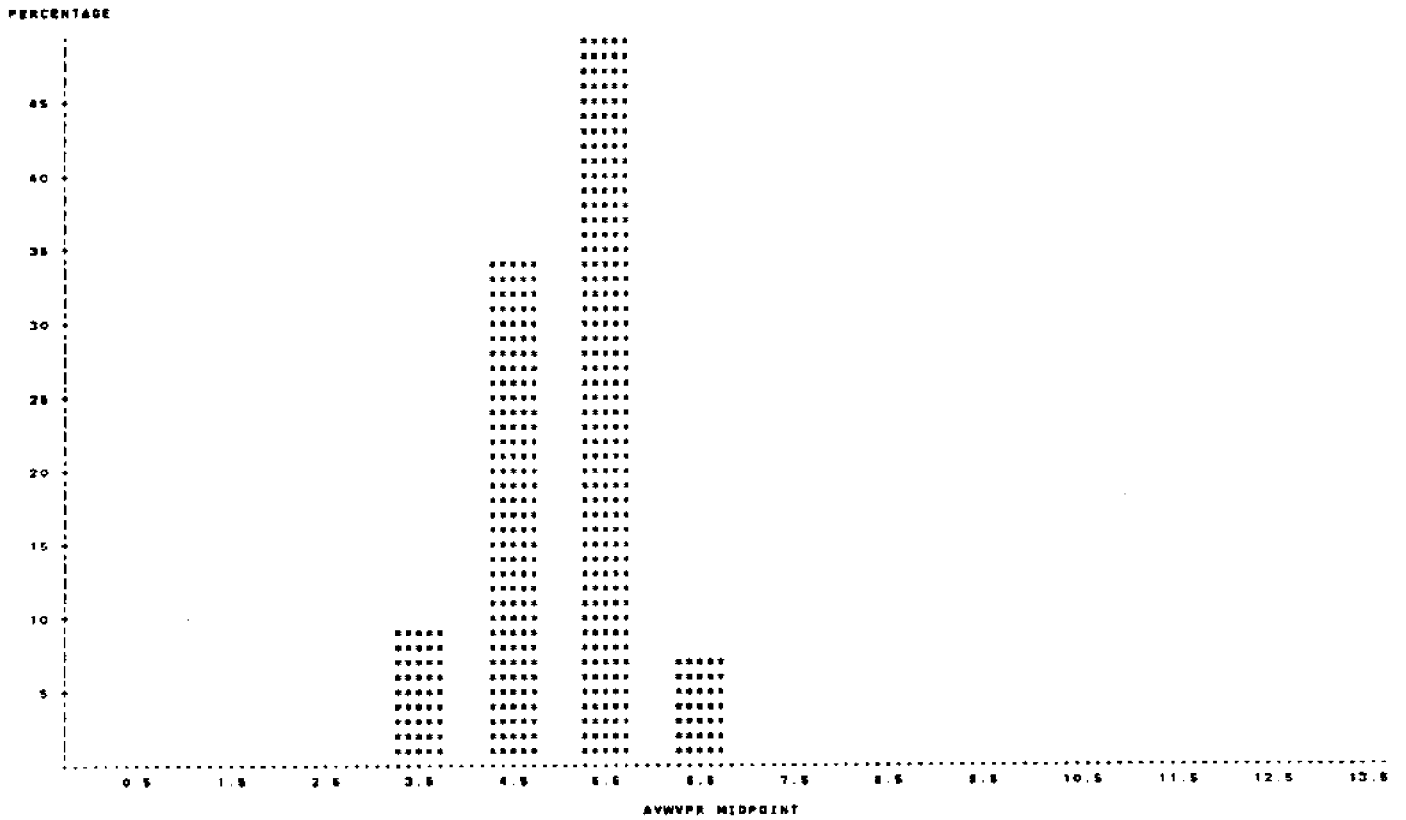


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 DECEMBER 1960

TABLE OF AVWVPR BY SIGNVHT

AVWVPR	SIGNVHT								TOTAL
FREQUENCY	<+0.5	<+1.0	<+1.5	<+2.0	<+2.5	<+3.0	<+3.5	<+4.0	
PERCENT									
ROW PCT									
COL PCT									
<+0.0	22 2.85 32.35 28.51	48 6.18 67.85 18.33	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	68 8.74
<+5.0	55 7.39 21.48 86.27	127 17.07 48.61 63.28	81 9.14 28.56 31.53	8 0.21 2.34 5.45	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	266 34.41
<+6.0	8 0.81 1.85 7.23	85 8.74 17.88 27.31	144 15.38 28.56 85.88	84 12.63 25.82 85.45	63 7.12 14.58 77.94	2 0.27 0.55 10.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	384 48.92
<+7.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	3 0.40 5.88 1.40	10 1.34 14.87 9.09	15 2.02 24.30 22.08	18 2.42 33.86 90.00	5 0.61 11.32 86.71	1 0.13 1.88 33.33	63 7.12
<+8.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.13 32.33 14.29	2 0.27 66.87 66.87	3 0.40
TOTAL	83 11.18	258 31.89	218 28.90	110 14.78	84 9.14	20 2.68	7 0.84	3 0.40	744 100.00

Table 2

DAILY STATISTICS  
 BUOY #42002 DECEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	22.875	0.428	22.000	23.400
SEATEMP	24	23.486	0.106	23.300	23.700
WINDSPED	24	5.925	1.218	3.700	7.700
SIGWVHT	24	0.746	0.178	0.500	1.000
AVWVPR	24	3.928	0.349	3.600	4.600
----- DAY#2 -----					
AIRTEMP	24	23.337	0.263	22.800	23.800
SEATEMP	24	23.678	0.132	23.400	23.400
WINDSPED	24	3.884	1.674	0.100	6.800
SIGWVHT	24	0.812	0.123	0.600	1.000
AVWVPR	24	4.946	0.530	4.300	5.800
----- DAY#3 -----					
AIRTEMP	24	22.883	0.230	22.400	23.200
SEATEMP	24	23.637	0.077	23.600	23.700
WINDSPED	24	6.004	0.887	4.700	7.300
SIGWVHT	24	0.864	0.206	0.700	1.300
AVWVPR	24	4.917	0.331	4.000	5.100
----- DAY#4 -----					
AIRTEMP	24	23.080	0.125	22.800	23.200
SEATEMP	24	23.886	0.060	23.500	23.800
WINDSPED	24	6.282	0.782	4.500	7.700
SIGWVHT	24	1.292	0.110	1.100	1.800
AVWVPR	24	5.108	0.138	4.900	5.400
----- DAY#5 -----					
AIRTEMP	24	22.786	0.322	22.400	23.400
SEATEMP	24	23.483	0.078	23.400	23.600
WINDSPED	24	6.482	0.618	4.500	7.300
SIGWVHT	24	1.428	0.157	1.100	1.800
AVWVPR	24	5.612	0.240	4.900	6.600
----- DAY#6 -----					
AIRTEMP	24	23.263	0.222	23.000	23.700
SEATEMP	24	23.446	0.061	23.400	23.500
WINDSPED	24	6.978	0.683	5.300	7.700
SIGWVHT	24	1.171	0.082	1.100	1.300
AVWVPR	24	5.183	0.246	4.800	5.700

Table 3

DAILY STATISTICS  
 BUOY #42002 DECEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	23.242	0.332	22.800	23.600
SEATEMP	24	23.184	0.236	22.800	23.500
WINDSPED	24	7.200	1.189	5.300	10.200
SIGWVHT	24	1.478	0.240	1.200	1.800
AVWVPR	24	5.442	0.177	5.200	5.600
----- DAY#8 -----					
AIRTEMP	24	23.627	0.273	23.300	24.100
SEATEMP	24	22.633	0.082	22.700	23.100
WINDSPED	24	8.308	0.756	6.600	9.400
SIGWVHT	24	1.988	0.181	1.600	2.300
AVWVPR	24	5.733	0.187	5.600	5.900
----- DAY#9 -----					
AIRTEMP	24	23.380	0.324	22.700	23.900
SEATEMP	24	22.862	0.106	22.800	23.100
WINDSPED	24	5.575	1.153	3.700	7.500
SIGWVHT	24	1.600	0.383	1.200	2.200
AVWVPR	24	5.908	0.285	5.600	6.300
----- DAY#10 -----					
AIRTEMP	24	20.167	2.307	17.100	23.400
SEATEMP	24	22.678	0.182	22.800	23.100
WINDSPED	24	6.028	3.307	4.100	12.800
SIGWVHT	24	2.028	0.583	1.200	2.900
AVWVPR	24	5.687	0.241	5.400	6.300
----- DAY#11 -----					
AIRTEMP	24	17.533	0.214	17.100	18.000
SEATEMP	24	22.608	0.078	22.600	22.800
WINDSPED	24	6.678	1.587	5.900	11.400
SIGWVHT	24	1.992	0.345	1.300	2.500
AVWVPR	24	5.633	0.235	5.000	6.900
----- DAY#12 -----					
AIRTEMP	24	17.433	0.801	16.600	18.500
SEATEMP	24	22.504	0.148	22.300	22.800
WINDSPED	24	3.821	1.028	2.300	6.100
SIGWVHT	24	0.808	0.260	0.600	1.300
AVWVPR	24	5.021	0.172	4.700	5.300

Table 3 (continue)



DAILY STATISTICS  
BUDY #42002 DECEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	20.071	1.054	18.400	21.400
SEATEMP	24	22.871	0.288	22.400	23.300
WINDSPED	24	2.760	0.874	0.500	4.800
SIGWVHT	24	0.871	0.082	0.400	0.900
AVWVPR	24	4.748	0.102	4.500	4.900
----- DAY#14 -----					
AIRTEMP	24	20.728	0.305	18.400	21.100
SEATEMP	24	22.887	0.197	22.400	23.000
WINDSPED	24	5.187	0.841	3.400	8.700
SIGWVHT	24	0.878	0.110	0.400	0.900
AVWVPR	24	4.082	0.217	3.800	4.700
----- DAY#15 -----					
AIRTEMP	24	19.878	0.833	18.000	20.900
SEATEMP	24	22.875	0.207	22.300	22.900
WINDSPED	24	2.186	1.187	0.200	4.800
SIGWVHT	24	0.821	0.122	0.300	0.700
AVWVPR	24	4.380	0.088	4.200	4.500
----- DAY#16 -----					
AIRTEMP	24	21.228	0.808	20.000	22.100
SEATEMP	24	22.808	0.078	22.500	22.700
WINDSPED	24	6.875	2.246	0.900	9.900
SIGWVHT	24	0.882	0.118	0.300	1.000
AVWVPR	24	4.488	0.822	3.300	5.800
----- DAY#17 -----					
AIRTEMP	24	20.828	1.078	18.600	22.900
SEATEMP	24	22.488	0.088	22.300	22.600
WINDSPED	24	8.500	1.882	4.000	8.900
SIGWVHT	24	1.500	0.188	1.100	1.700
AVWVPR	24	8.287	0.244	4.800	8.700
----- DAY#18 -----					
AIRTEMP	24	20.278	0.883	18.300	21.700
SEATEMP	24	22.433	0.188	22.200	22.700
WINDSPED	24	3.928	0.814	2.400	5.300
SIGWVHT	24	0.827	0.128	0.800	0.900
AVWVPR	24	4.780	0.461	3.800	5.200

Table 3 (continue)

DAILY STATISTICS  
BUDY #42002 DECEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	22.037	0.823	21.400	24.900
SEATEMP	24	22.821	0.298	22.300	23.400
WINDSPED	24	4.957	2.298	0.300	7.800
SIGWVHT	24	0.828	0.091	0.500	0.900
AVWVPR	24	3.888	0.212	3.500	4.200
----- DAY#20 -----					
AIRTEMP	24	20.742	1.231	18.400	22.000
SEATEMP	24	22.828	0.107	22.400	22.900
WINDSPED	24	8.828	2.404	8.000	12.000
SIGWVHT	24	1.458	0.878	0.500	2.700
AVWVPR	24	4.850	0.860	3.800	6.100
----- DAY#21 -----					
AIRTEMP	24	17.704	0.388	17.000	18.300
SEATEMP	24	22.432	0.124	22.200	22.800
WINDSPED	24	10.387	1.087	4.800	12.800
SIGWVHT	24	2.417	0.193	2.000	2.800
AVWVPR	24	8.087	0.186	8.700	8.400
----- DAY#22 -----					
AIRTEMP	24	18.183	1.283	17.100	20.800
SEATEMP	24	22.428	0.081	22.300	22.500
WINDSPED	24	8.108	1.187	6.700	10.800
SIGWVHT	24	1.800	0.238	1.400	2.100
AVWVPR	24	8.880	0.221	8.300	9.000
----- DAY#23 -----					
AIRTEMP	24	21.778	0.852	20.900	22.800
SEATEMP	24	22.821	0.058	22.400	22.900
WINDSPED	24	8.821	0.911	5.200	8.000
SIGWVHT	24	1.271	0.183	1.100	1.600
AVWVPR	24	5.100	0.153	4.800	5.300
----- DAY#24 -----					
AIRTEMP	24	22.800	0.483	21.100	23.200
SEATEMP	24	22.848	0.068	22.800	22.700
WINDSPED	24	4.500	1.898	1.700	8.200
SIGWVHT	24	0.888	0.125	0.800	1.200
AVWVPR	24	4.878	0.288	3.800	5.300

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 DECEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	18.898	1.882	15.000	20.800
SEATEMP	24	22.346	0.088	22.100	22.500
WINDSPED	24	19.392	2.800	5.500	13.700
SIGWVHT	24	2.729	0.792	0.800	3.700
AYWVPR	24	8.287	1.012	3.900	7.300
----- DAY#26 -----					
AIRTEMP	24	16.462	1.439	14.900	18.100
SEATEMP	24	22.233	0.101	22.100	22.500
WINDSPED	23	1.828	1.848	0.100	5.400
SIGWVHT	24	1.433	0.481	0.800	2.300
AYWVPR	24	6.033	0.293	5.900	6.800
----- DAY#27 -----					
AIRTEMP	24	16.929	0.734	17.800	20.200
SEATEMP	24	22.017	0.088	21.900	22.100
WINDSPED	24	4.037	2.974	0.100	8.800
SIGWVHT	24	0.762	0.247	0.500	1.200
AYWVPR	24	5.225	0.884	3.800	6.900
----- DAY#28 -----					
AIRTEMP	24	17.082	0.503	16.400	17.800
SEATEMP	24	21.988	0.108	21.800	22.200
WINDSPED	24	4.804	1.174	3.000	6.400
SIGWVHT	24	1.129	0.081	1.000	1.300
AYWVPR	24	5.079	0.320	4.400	5.800
----- DAY#29 -----					
AIRTEMP	24	18.062	0.852	17.100	18.800
SEATEMP	24	22.083	0.084	22.000	22.200
WINDSPED	24	3.312	1.118	1.800	5.800
SIGWVHT	24	0.854	0.141	0.800	1.100
AYWVPR	24	5.187	0.242	4.400	5.800
----- DAY#30 -----					
AIRTEMP	24	18.583	0.887	18.100	18.400
SEATEMP	24	22.125	0.154	22.000	22.400
WINDSPED	24	7.384	1.430	5.100	8.800
SIGWVHT	24	1.271	0.478	0.700	2.200
AYWVPR	24	4.788	0.477	4.200	5.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 DECEMBER 1980

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	24	17.200	1.018	15.000	19.100
SEATEMP	24	22.283	0.078	22.100	22.400
WINDSPED	24	3.083	2.079	0.500	7.300
SIGWVHT	24	1.212	0.481	0.800	2.000
AYWVPR	24	5.237	0.426	4.500	5.800

Table 3 (continue)

42002 JANUARY 1981

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 JANUARY 1961

Table 1

VARIA.E	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	733	18.238	2.213	12.000	22.800	10.800	+0.531	-0.254
SEATEMP	733	21.710	0.428	20.400	22.800	2.400	-0.888	0.510
BAROMTR	729	1022.115	4.887	1010.800	1033.800	22.800	0.086	-0.822
WINDSPED	733	6.321	2.890	0.100	14.800	14.700	0.215	-0.489
WINDDRC	733	144.254	115.231	0.100	358.800	358.700	0.650	-1.013
SIGWVHT	732	1.200	0.700	0.200	3.800	3.600	1.015	0.378
AVWVPR	732	4.853	0.745	3.300	7.200	3.900	0.497	-0.182

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 JANUARY 1961

PERCENTAGE BAR CHART

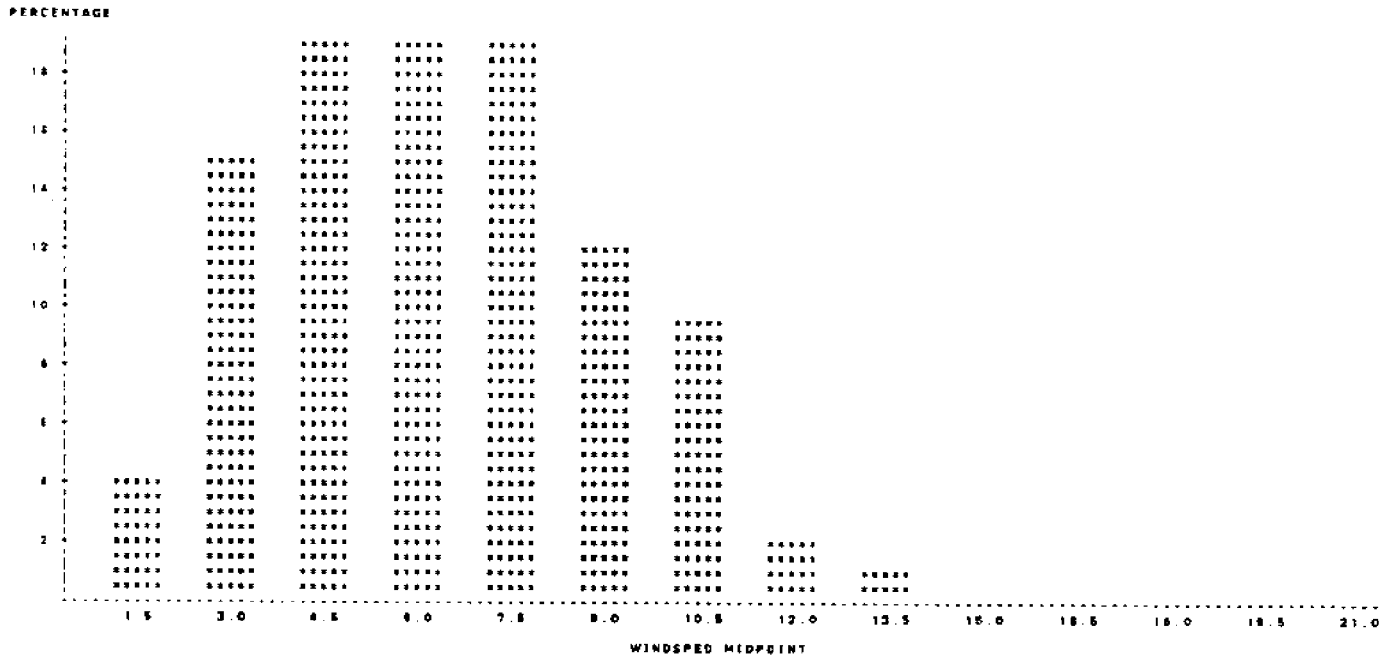


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 JANUARY 1981

PERCENTAGE BAR CHART

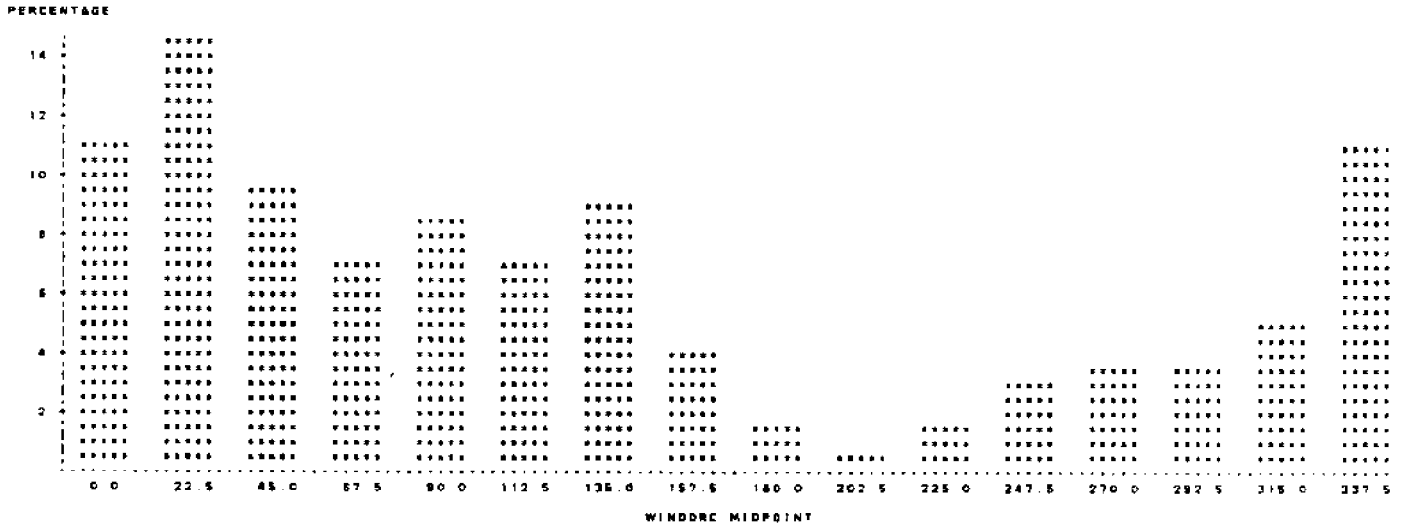


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 JANUARY 1981

PERCENTAGE BAR CHART

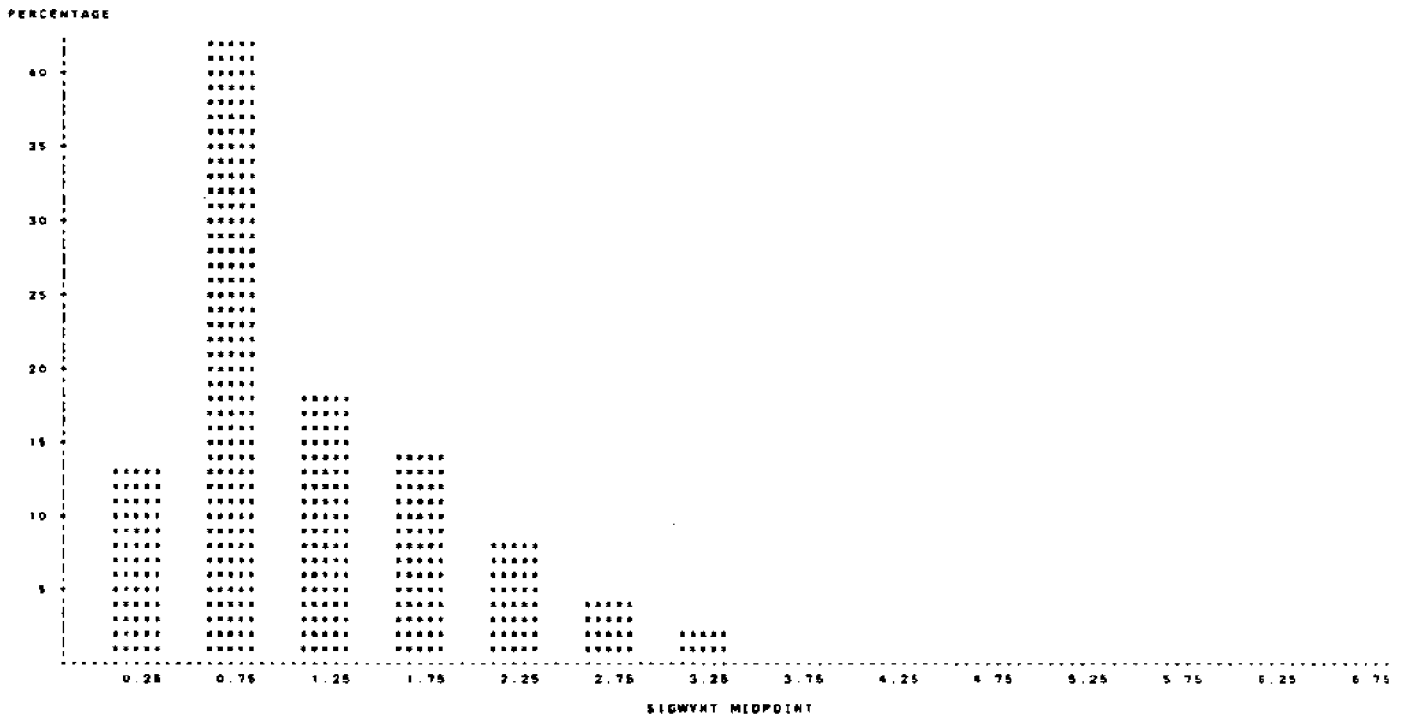


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 JANUARY 1981

PERCENTAGE BAR CHART

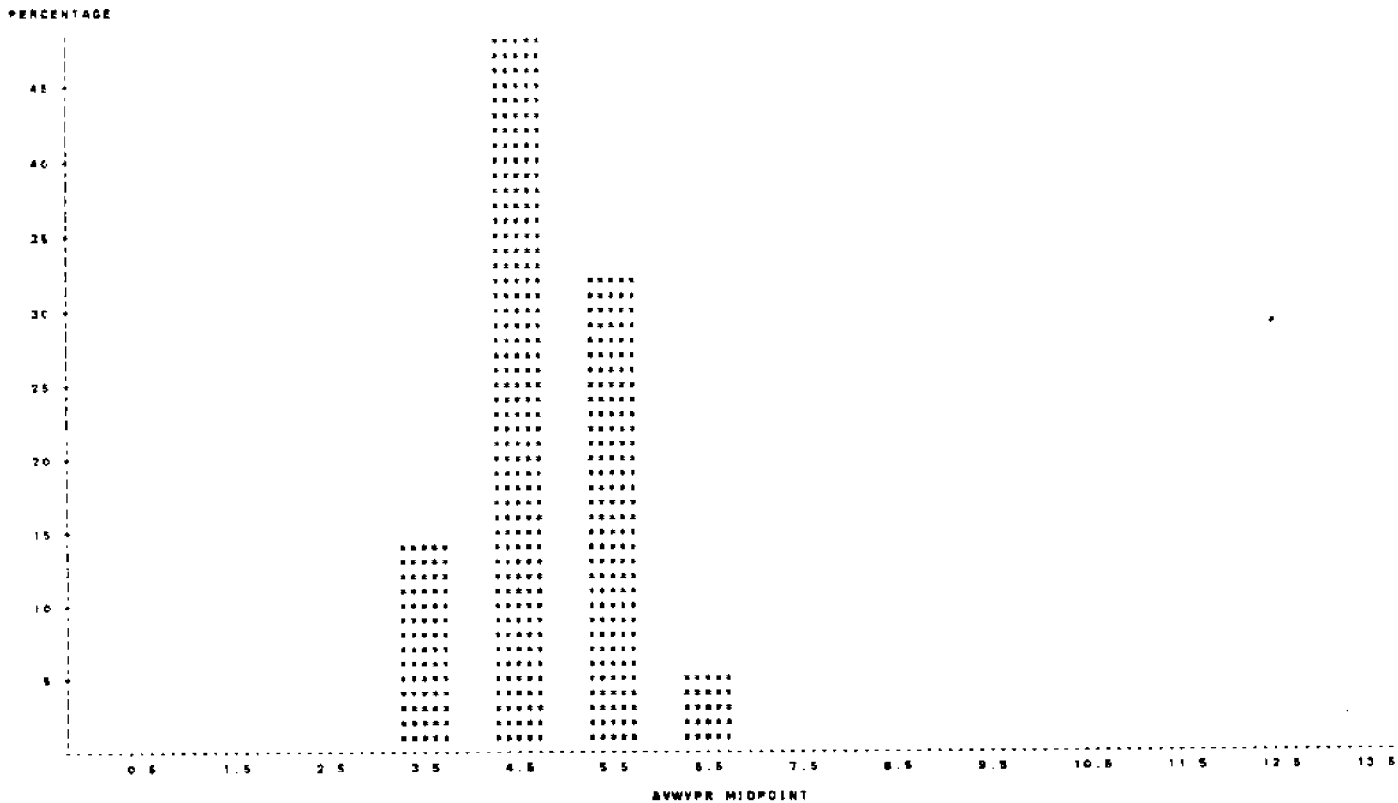


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 JANUARY 1981

TABLE OF AVWYPR BY SIGWHT

AVWYPR	SIGWHT									TOTAL	
FREQUENCY		<+0.5	+0.5	+1.0	+1.5	+2.0	+2.5	+3.0	+3.5	+4.0	
PERCENT											
RDW PCT											
CDL PCT											
	1	0	0	0	0	0	0	0	0	0	
<+4.0	0	26 3.55 25.00 27.08	78 10.44 75.00 25.57	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	108 14.21
<+5.0	0	64 8.74 18.18 85.87	188 25.86 53.41 81.84	88 12.02 25.00 87.18	12 1.64 3.41 12.00	0 0.00 0.00 85.00	0 0.00 0.00 80.70	0 0.00 0.00 48.38	0 0.00 0.00 81.82	0 0.00 0.00 100.00	382 48.08
<+6.0	0	8 0.42 2.55 6.25	31 5.33 16.60 12.79	43 6.87 18.30 32.62	85 11.75 31.40 85.00	48 6.28 19.57 80.70	15 2.05 6.36 48.38	0 0.00 0.00 48.38	0 0.00 0.00 81.82	0 0.00 0.00 100.00	236 32.10
<+7.0	0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	2 0.27 8.12 2.00	11 1.50 28.21 19.30	16 2.19 41.03 51.81	9 1.23 23.08 81.82	1 0.14 23.08 81.82	1 0.14 23.08 100.00	38 5.33
<+8.0	0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.27 100.00 18.18	0 0.00 0.00 0.00	0 0.00 0.00 0.00	2 0.27
TOTAL		86 13.11	305 41.67	131 17.80	100 13.66	57 7.78	31 4.23	11 1.80	1 0.14	1 0.14	732 100.00

Table 2

DAILY STATISTICS  
 STUDY #42002 JANUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY #1 -----					
AIRTEMP	24	18.483	0.978	17.800	20.300
SEATEMP	24	22.008	0.178	21.800	22.200
WINDSPED	24	2.500	0.913	1.800	5.000
SIGWVHT	24	0.384	0.118	0.200	0.800
AVWVPR	24	4.548	0.418	3.700	5.000
----- DAY #2 -----					
AIRTEMP	24	18.186	0.503	18.700	19.800
SEATEMP	24	21.880	0.083	21.800	22.100
WINDSPED	24	6.878	1.541	5.000	8.800
SIGWVHT	24	1.117	0.378	0.400	1.700
AVWVPR	24	4.550	0.874	3.300	5.300
----- DAY #3 -----					
AIRTEMP	24	18.804	0.704	18.200	20.200
SEATEMP	24	21.821	0.102	21.800	22.100
WINDSPED	24	3.282	0.787	1.800	4.800
SIGWVHT	24	0.858	0.144	0.700	1.200
AVWVPR	24	5.508	0.275	5.000	5.900
----- DAY #4 -----					
AIRTEMP	24	20.033	0.654	19.400	21.000
SEATEMP	24	21.875	0.103	21.800	22.100
WINDSPED	24	1.783	1.278	0.100	3.800
SIGWVHT	24	0.404	0.112	0.200	0.700
AVWVPR	24	4.787	0.887	3.800	5.400
----- DAY #5 -----					
AIRTEMP	24	20.158	0.418	19.800	20.800
SEATEMP	24	21.908	0.132	21.800	22.200
WINDSPED	24	5.082	0.828	5.000	7.000
SIGWVHT	24	0.812	0.182	0.300	0.800
AVWVPR	24	3.828	0.428	3.300	4.800
----- DAY #6 -----					
AIRTEMP	24	21.388	0.848	20.400	22.500
SEATEMP	24	22.288	0.318	21.800	22.800
WINDSPED	24	7.112	0.737	5.200	8.000
SIGWVHT	24	1.128	0.084	0.800	1.400
AVWVPR	24	4.884	0.128	4.400	5.900

Table 3

DAILY STATISTICS  
 STUDY #42002 JANUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY #7 -----					
AIRTEMP	24	19.827	2.082	18.800	22.200
SEATEMP	24	21.850	0.118	21.700	22.100
WINDSPED	24	6.587	2.887	2.800	10.800
SIGWVHT	24	1.321	0.804	0.800	2.300
AVWVPR	24	5.028	0.800	4.000	5.100
----- DAY #8 -----					
AIRTEMP	24	17.817	1.030	16.800	18.300
SEATEMP	24	21.821	0.202	21.800	22.200
WINDSPED	24	4.479	1.238	2.400	7.200
SIGWVHT	24	1.188	0.384	0.800	2.000
AVWVPR	24	5.328	0.438	4.800	5.100
----- DAY #9 -----					
AIRTEMP	24	18.704	0.802	18.800	20.800
SEATEMP	24	22.280	0.102	22.100	22.400
WINDSPED	24	7.248	0.882	5.000	8.800
SIGWVHT	24	1.037	0.150	0.800	1.400
AVWVPR	24	4.428	0.184	4.200	4.800
----- DAY #10 -----					
AIRTEMP	24	18.382	0.488	18.800	20.100
SEATEMP	24	22.342	0.080	22.300	22.400
WINDSPED	24	8.100	0.824	7.400	10.700
SIGWVHT	24	1.884	0.230	1.200	2.000
AVWVPR	24	4.878	0.283	4.800	5.800
----- DAY #11 -----					
AIRTEMP	24	17.388	0.888	18.000	18.300
SEATEMP	24	22.242	0.327	21.800	22.800
WINDSPED	24	8.804	0.848	7.300	10.800
SIGWVHT	24	1.717	0.188	1.800	2.000
AVWVPR	24	5.288	0.188	4.800	5.800
----- DAY #12 -----					
AIRTEMP	24	14.258	1.508	12.000	18.000
SEATEMP	24	21.864	0.088	21.800	21.700
WINDSPED	24	8.828	0.783	8.100	11.800
SIGWVHT	24	2.282	0.184	2.100	2.800
AVWVPR	24	8.782	0.308	8.400	8.400

Table 3 (continue)

DAILY STATISTICS  
BUDY #42002 JANUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	13.885	1.315	12.100	15.700
SEATEMP	24	21.833	0.224	21.500	22.300
WINDSPED	24	4.528	1.037	3.000	6.400
SIGWVHT	24	1.435	0.453	0.500	2.400
AVWVPR	24	5.782	0.268	5.500	6.400
----- DAY#14 -----					
AIRTEMP	24	17.847	1.525	15.200	19.500
SEATEMP	24	21.433	0.171	21.100	21.800
WINDSPED	24	7.042	2.265	3.700	11.500
SIGWVHT	24	1.075	0.419	0.700	2.000
AVWVPR	24	4.552	0.487	4.000	5.500
----- DAY#15 -----					
AIRTEMP	24	18.712	0.321	18.000	19.300
SEATEMP	24	21.517	0.152	21.500	21.500
WINDSPED	24	6.528	2.746	2.700	10.500
SIGWVHT	24	1.417	0.305	1.000	2.000
AVWVPR	24	5.248	0.118	5.000	5.500
----- DAY#16 -----					
AIRTEMP	24	17.875	0.583	16.100	18.800
SEATEMP	24	21.545	0.098	21.500	21.800
WINDSPED	24	4.717	2.015	2.500	8.400
SIGWVHT	24	0.808	0.161	0.500	1.200
AVWVPR	24	4.525	0.383	3.800	5.100
----- DAY#17 -----					
AIRTEMP	24	15.375	0.538	14.300	16.100
SEATEMP	24	21.971	0.133	21.700	22.100
WINDSPED	24	10.428	1.502	7.200	13.200
SIGWVHT	24	2.487	0.715	1.300	3.500
AVWVPR	24	8.028	0.850	4.500	7.000
----- DAY#18 -----					
AIRTEMP	24	15.417	0.785	14.300	17.000
SEATEMP	24	21.887	0.055	21.500	22.000
WINDSPED	24	8.982	1.128	7.200	10.500
SIGWVHT	24	2.500	0.485	1.700	3.300
AVWVPR	24	5.300	0.558	5.400	7.200

Table 3 (continue)

DAILY STATISTICS  
BUDY #42002 JANUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	18.300	1.105	17.000	20.100
SEATEMP	24	21.853	0.087	21.500	22.100
WINDSPED	24	8.825	2.425	5.900	14.400
SIGWVHT	24	1.878	0.392	1.500	2.800
AVWVPR	24	5.304	0.203	4.900	5.800
----- DAY#20 -----					
AIRTEMP	24	17.485	0.516	16.300	18.900
SEATEMP	24	21.471	0.380	21.000	22.000
WINDSPED	24	10.521	0.643	8.500	12.000
SIGWVHT	24	2.528	0.748	2.100	3.000
AVWVPR	24	5.565	0.147	5.500	5.100
----- DAY#21 -----					
AIRTEMP	15	16.137	0.751	15.100	17.800
SEATEMP	15	21.251	0.254	20.900	21.700
WINDSPED	15	6.157	1.154	4.500	10.500
SIGWVHT	15	1.812	0.684	1.200	2.800
AVWVPR	15	5.518	0.571	4.700	6.300
----- DAY#22 -----					
AIRTEMP	24	15.500	0.235	15.200	16.000
SEATEMP	24	21.154	0.102	21.000	21.300
WINDSPED	24	5.987	1.144	3.500	8.200
SIGWVHT	24	1.154	0.202	0.500	1.400
AVWVPR	24	4.748	0.305	4.200	5.200
----- DAY#23 -----					
AIRTEMP	23	15.304	0.711	14.000	16.300
SEATEMP	23	20.757	0.148	20.500	21.000
WINDSPED	23	5.351	0.551	3.800	7.300
SIGWVHT	23	0.730	0.053	0.500	0.800
AVWVPR	23	4.038	0.150	3.800	4.200
----- DAY#24 -----					
AIRTEMP	24	15.788	1.122	15.500	15.500
SEATEMP	24	20.875	0.502	20.400	22.100
WINDSPED	24	3.554	1.512	1.300	5.400
SIGWVHT	24	0.548	0.056	0.400	0.700
AVWVPR	24	4.057	0.138	3.800	4.300

Table 3 (continue)



DAILY STATISTICS  
 BUOY #42002 JANUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	18.082	0.881	17.400	18.200
SEATEMP	24	21.345	0.332	20.700	21.800
WINDSPED	24	4.387	1.872	2.200	7.300
SIGWVHT	23	0.443	0.202	0.300	0.800
AVWVPR	23	8.130	0.272	3.700	8.700
----- DAY:26 -----					
AIRTEMP	23	18.843	0.805	18.100	20.400
SEATEMP	23	21.363	0.302	21.000	21.800
WINDSPED	22	5.343	0.884	3.500	6.800
SIGWVHT	23	0.635	0.078	0.700	0.800
AVWVPR	23	4.338	0.231	3.800	4.800
----- DAY:27 -----					
AIRTEMP	23	20.528	0.341	20.100	21.000
SEATEMP	23	21.448	0.225	20.700	21.800
WINDSPED	23	5.243	1.253	2.500	7.400
SIGWVHT	23	0.800	0.100	0.700	1.000
AVWVPR	23	4.817	0.288	4.000	5.100
----- DAY:28 -----					
AIRTEMP	24	18.480	0.380	18.800	20.000
SEATEMP	24	21.848	0.122	21.400	21.800
WINDSPED	24	5.304	1.614	3.500	8.200
SIGWVHT	24	0.837	0.101	0.500	0.900
AVWVPR	24	4.137	0.200	3.800	4.500
----- DAY:29 -----					
AIRTEMP	24	20.028	0.881	18.200	21.500
SEATEMP	24	21.812	0.088	21.400	21.800
WINDSPED	24	6.317	1.208	3.700	8.300
SIGWVHT	24	0.887	0.152	0.400	0.900
AVWVPR	24	3.817	0.183	3.500	4.100
----- DAY:30 -----					
AIRTEMP	24	21.186	0.383	20.800	22.000
SEATEMP	24	21.721	0.188	21.500	22.200
WINDSPED	24	3.887	0.874	1.400	5.100
SIGWVHT	24	0.895	0.082	0.500	0.700
AVWVPR	24	4.278	0.218	3.900	4.700

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:31 -----					
AIRTEMP	24	21.038	0.471	20.500	21.500
SEATEMP	24	21.821	0.184	21.300	21.800
WINDSPED	24	7.128	0.888	5.500	8.000
SIGWVHT	24	0.804	0.148	0.500	1.100
AVWVPR	24	4.271	0.173	4.000	4.500

Table 3 (continue)

42002 FEBRUARY 1981

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 FEBRUARY 1981

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	670	18.853	2.543	10.300	22.500	12.200	-1.242	0.989
SEATEMP	670	21.102	0.487	20.100	22.700	2.600	0.165	-0.421
BAROMTR	670	1021.716	6.472	1008.100	1036.800	30.800	0.133	-0.020
WINDSPD	665	6.502	3.240	0.100	18.400	18.300	0.251	-0.180
WINDDRG	668	128.911	87.351	0.700	350.000	350.300	0.883	0.150
SIGWVHT	669	1.492	0.941	0.200	6.700	6.500	1.255	2.272
AVWVPR	618	5.213	0.986	3.200	8.200	5.000	0.451	-0.351

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 FEBRUARY 1981

PERCENTAGE BAR CHART

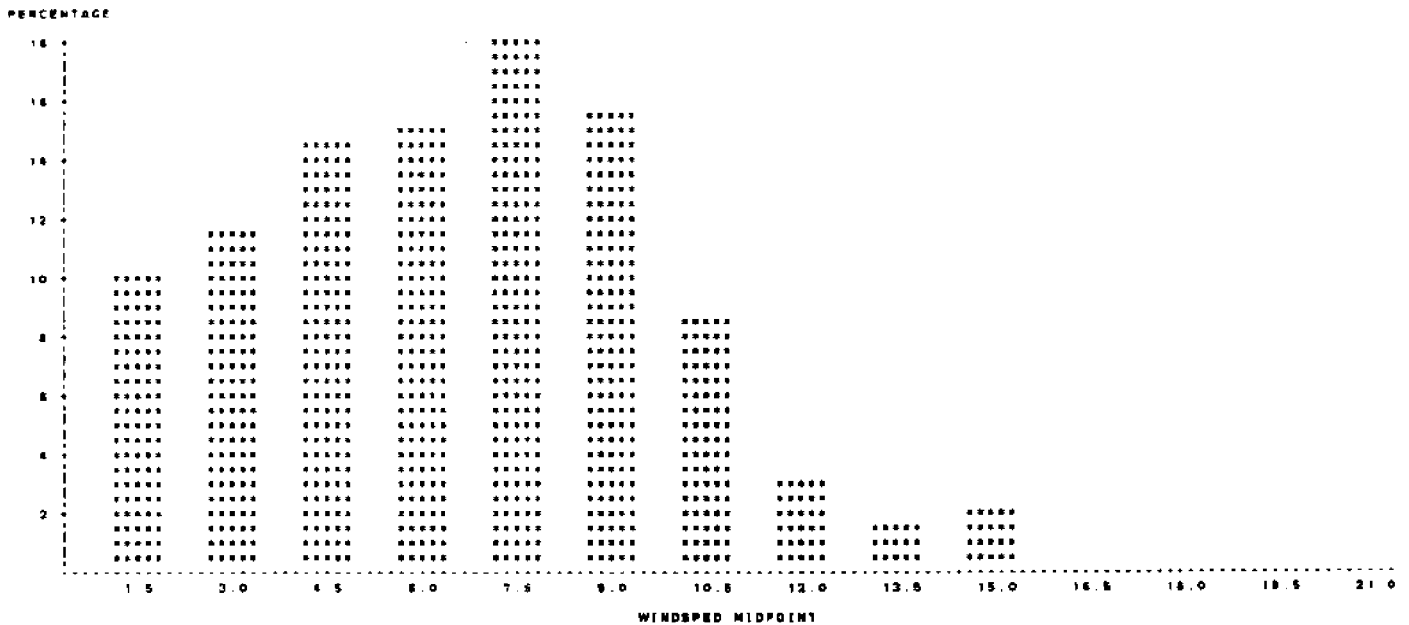


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUDY #42002 FEBRUARY 1961

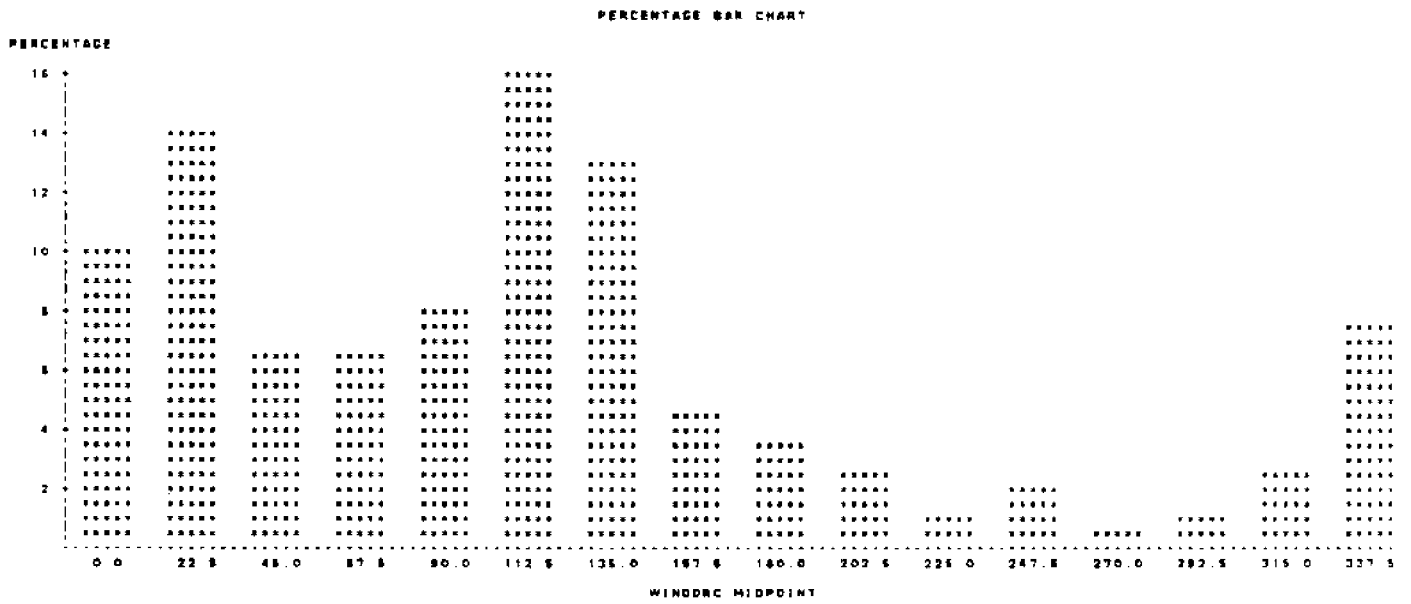


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUDY #42002 FEBRUARY 1961

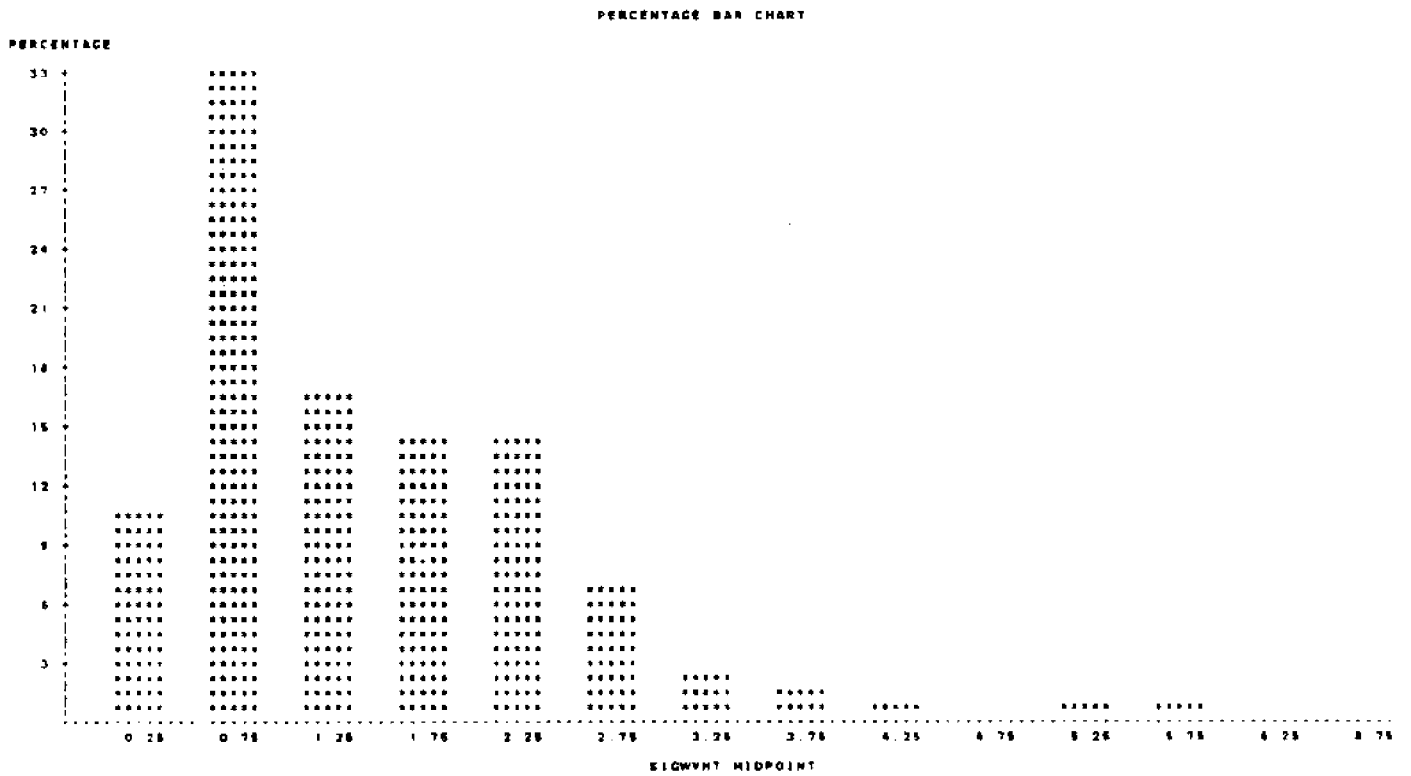


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 FEBRUARY 1981

PERCENTAGE BAR CHART

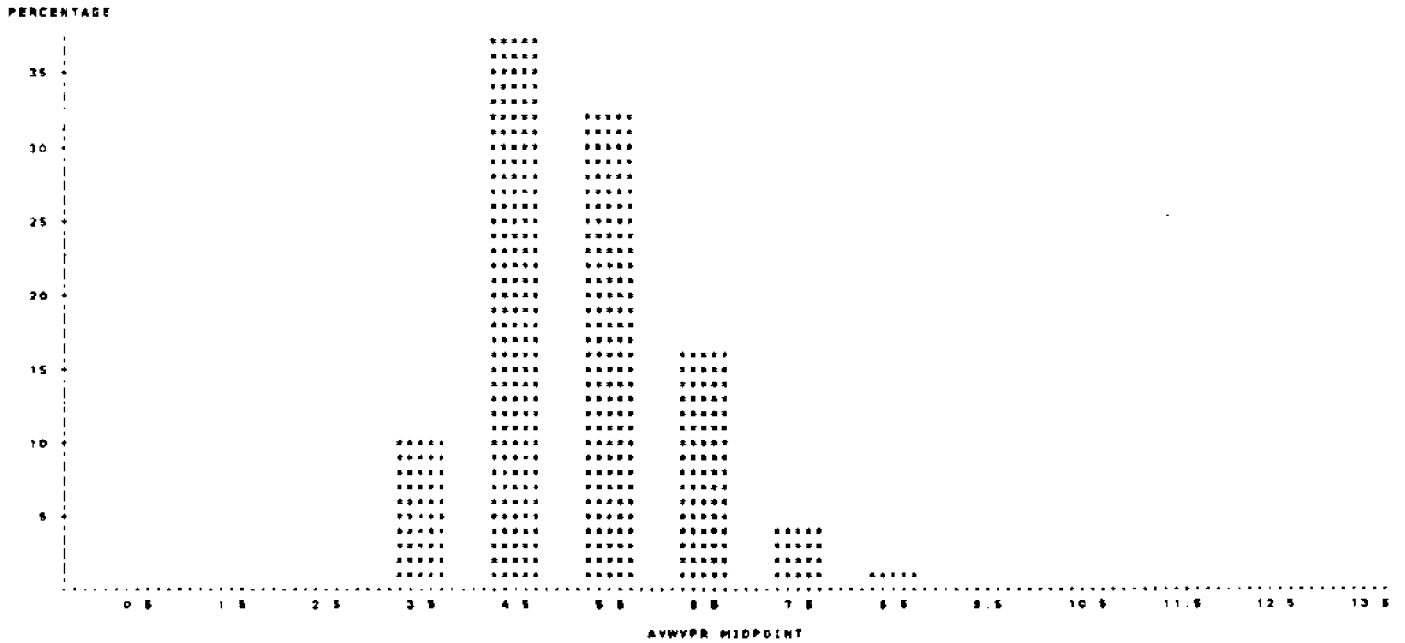


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 FEBRUARY 1981

TABLE OF AVWYPR BY SIGWYHT

AVWYPR	SIGWYHT	SIGNIFICANT HEIGHTS							TOTAL
		<+0.5	<+1.0	<+1.5	<+2.0	<+2.5	<+3.0		
	1	0	0	4	14	25	4		
<+4.0	0	24	40	0	0	0	0	64	
		3.88	6.87	0.00	0.00	0.00	0.00	10.36	
		37.50	62.50	0.00	0.00	0.00	0.00		
		35.28	18.02	0.00	0.00	0.00	0.00		
<+8.0	0	23	128	45	30	0	0	230	
		3.72	20.87	7.77	4.85	0.00	0.00	37.22	
		10.00	55.08	20.87	13.04	0.00	0.00		
		33.42	55.11	48.00	35.89	0.00	0.00		
<+8.0	0	21	48	34	69	44	5	199	
		3.40	7.84	5.50	7.53	7.12	0.81	32.20	
		10.85	23.12	17.09	24.82	22.11	2.51		
		30.88	20.72	34.00	59.78	82.88	11.63		
<+7.0	0	0	7	13	3	28	31	67	
		0.00	1.13	2.10	0.48	4.21	5.02	15.70	
		0.00	7.22	13.40	3.08	26.80	31.88		
		0.00	3.18	13.00	3.88	37.18	72.09		
<+6.0	0	0	0	5	0	0	7	24	
		0.00	0.00	0.81	0.00	0.00	1.13	3.84	
		0.00	0.00	20.83	0.00	0.00	28.17		
		0.00	0.00	5.00	0.00	0.00	15.28		
<+5.0	0	0	0	0	0	0	0	4	
		0.00	0.00	0.00	0.00	0.00	0.00	0.85	
		0.00	0.00	0.00	0.00	0.00	0.00		
		0.00	0.00	0.00	0.00	0.00	0.00		
TOTAL		86	222	100	82	70	43	618	
		13.00	35.92	15.18	13.27	11.33	6.85	100.00	

(CONTINUED)

Table 2

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 FEBRUARY 1981

TABLE OF AWWPR BY SIGWHT

AWWPR	SIGWHT						TOTAL
	<=3.5	<=4.0	<=4.5	<=5.0	<=5.5	<=6.0	
FREQUENCY	0	0	0	0	0	0	
PERCENT	0.00	0.00	0.00	0.00	0.00	0.00	
ROW PCT	0.00	0.00	0.00	0.00	0.00	0.00	
COL PCT	0.00	0.00	0.00	0.00	0.00	0.00	
<=4.0	0	0	0	0	0	0	84
	0.00	0.00	0.00	0.00	0.00	0.00	10.38
	0.00	0.00	0.00	0.00	0.00	0.00	
<=5.0	0	0	0	0	0	0	230
	0.00	0.00	0.00	0.00	0.00	0.00	37.22
	0.00	0.00	0.00	0.00	0.00	0.00	
<=6.0	0	0	0	0	0	0	189
	0.00	0.00	0.00	0.00	0.00	0.00	32.20
	0.00	0.00	0.00	0.00	0.00	0.00	
<=7.0	11	8	0	0	0	0	97
	1.78	0.97	0.00	0.00	0.00	0.00	15.70
	11.24	8.13	0.00	0.00	0.00	0.00	
	78.57	78.00	0.00	0.00	0.00	0.00	
<=8.0	3	2	4	1	2	0	24
	0.48	0.32	0.65	0.15	0.33	0.00	3.88
	12.60	8.32	18.67	4.17	8.32	0.00	
	21.42	25.00	100.00	100.00	88.57	0.00	
<=9.0	0	0	0	0	1	3	4
	0.00	0.00	0.00	0.00	0.15	0.49	0.65
	0.00	0.00	0.00	0.00	28.00	78.00	
	0.00	0.00	0.00	0.00	22.33	100.00	
TOTAL	14	8	4	1	3	3	818
	2.27	1.29	0.65	0.15	0.49	0.49	100.00

Table 2 (continue)

DAILY STATISTICS  
 BUOY #42002 FEBRUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:1 -----					
AIRTEMP	24	21.578	1.200	16.100	22.500
SEATEMP	24	21.862	0.071	21.500	21.800
WINDSPED	24	8.025	2.886	3.700	18.800
SIGWHT	24	1.792	0.381	0.300	2.200
AWWPR	24	5.171	0.623	4.000	6.100
----- DAY:2 -----					
AIRTEMP	24	15.187	1.304	13.300	17.500
SEATEMP	24	21.271	0.183	20.800	21.800
WINDSPED	24	10.854	1.879	8.000	14.800
SIGWHT	24	3.133	0.483	2.400	4.300
AWWPR	24	5.523	0.384	5.400	7.100
----- DAY:3 -----					
AIRTEMP	24	13.804	0.351	13.300	14.900
SEATEMP	24	20.857	0.078	20.800	21.000
WINDSPED	24	7.882	0.623	6.800	9.200
SIGWHT	23	1.881	0.300	1.800	2.800
AWWPR	23	5.922	0.380	5.100	6.200
----- DAY:4 -----					
AIRTEMP	23	15.138	1.083	14.400	16.100
SEATEMP	23	20.881	0.042	20.800	21.000
WINDSPED	23	8.085	0.811	6.500	9.300
SIGWHT	23	1.508	0.208	1.100	1.800
AWWPR	23	4.987	0.240	4.800	5.400
----- DAY:5 -----					
AIRTEMP	24	18.582	0.811	16.300	20.800
SEATEMP	24	20.726	0.118	20.600	20.800
WINDSPED	24	9.142	0.637	8.300	10.800
SIGWHT	24	1.487	0.155	1.100	1.700
AWWPR	24	4.771	0.155	4.400	5.000
----- DAY:6 -----					
AIRTEMP	24	18.486	1.048	18.500	21.000
SEATEMP	24	20.884	0.063	20.800	21.100
WINDSPED	24	7.882	2.082	3.900	10.800
SIGWHT	24	1.800	0.183	1.400	1.900
AWWPR	24	5.171	0.274	4.800	5.900

Table 3

DAILY STATISTICS  
 STUDY #42002 FEBRUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	18 271	0 729	15 400	20 600
SEATEMP	24	20 854	0 122	20 700	21 100
WINDSPED	23	2 522	1 656	0 300	5 800
SIGWVHT	24	1 071	0 229	0 700	1 500
AVWVPR	24	5 733	0 127	5 500	6 000
----- DAY#8 -----					
AIRTEMP	24	20 880	0 282	19 800	21 000
SEATEMP	24	20 883	0 082	20 700	21 000
WINDSPED	24	4 342	1 347	2 400	6 500
SIGWVHT	24	0 656	0 114	0 500	0 800
AVWVPR	24	5 148	0 938	4 100	6 700
----- DAY#9 -----					
AIRTEMP	24	20 178	0 483	18 500	21 000
SEATEMP	24	20 779	0 108	20 700	21 000
WINDSPED	24	5 371	1 338	3 000	8 800
SIGWVHT	24	0 779	0 128	0 600	1 000
AVWVPR	24	4 188	0 187	3 800	4 400
----- DAY#10 -----					
AIRTEMP	24	21 882	0 478	20 700	22 400
SEATEMP	24	20 867	0 113	20 800	21 200
WINDSPED	24	8 884	2 840	0 800	10 800
SIGWVHT	24	1 884	0 489	1 000	2 900
AVWVPR	24	5 146	0 874	4 300	6 500
----- DAY#11 -----					
AIRTEMP	24	16 787	4 461	10 300	21 800
SEATEMP	24	20 821	0 208	20 700	21 300
WINDSPED	24	9 723	6 389	0 100	18 800
SIGWVHT	24	3 867	1 168	2 500	5 700
AVWVPR	24	7 342	0 848	5 800	8 200
----- DAY#12 -----					
AIRTEMP	24	13 388	1 831	10 500	16 000
SEATEMP	24	20 388	0 116	20 300	20 800
WINDSPED	24	10 071	2 428	5 500	13 800
SIGWVHT	24	2 808	0 485	2 500	4 000
AVWVPR	24	6 437	0 342	5 900	7 200

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	16 227	0 261	15 800	16 800
SEATEMP	24	20 204	0 041	20 100	20 300
WINDSPED	24	8 204	0 820	5 500	11 000
SIGWVHT	24	2 394	0 148	2 000	2 700
AVWVPR	24	6 228	0 208	5 800	6 600
----- DAY#14 -----					
AIRTEMP	24	17 128	0 585	15 100	18 000
SEATEMP	24	20 204	0 182	20 100	20 800
WINDSPED	24	8 878	1 160	5 100	11 500
SIGWVHT	24	3 328	0 242	2 000	3 000
AVWVPR	21	5 980	0 187	5 700	6 300
----- DAY#15 -----					
AIRTEMP	24	18 048	0 938	15 400	19 500
SEATEMP	24	20 884	0 069	20 800	20 900
WINDSPED	24	8 878	1 848	5 000	11 000
SIGWVHT	24	2 883	0 188	2 500	3 000
AVWVPR	0				
----- DAY#16 -----					
AIRTEMP	24	18 921	0 234	18 500	19 300
SEATEMP	24	20 804	0 288	20 800	21 300
WINDSPED	24	4 333	0 781	2 000	5 000
SIGWVHT	24	1 878	0 304	1 500	2 500
AVWVPR	0				
----- DAY#17 -----					
AIRTEMP	23	18 382	0 302	18 000	18 800
SEATEMP	23	21 028	0 181	20 800	21 300
WINDSPED	23	3 843	1 852	0 700	6 400
SIGWVHT	23	1 382	0 107	1 200	1 800
AVWVPR	23	6 830	0 509	5 800	7 400
----- DAY#18 -----					
AIRTEMP	24	18 726	0 517	18 500	20 800
SEATEMP	24	21 267	0 189	21 100	21 800
WINDSPED	23	3 948	1 757	1 000	7 300
SIGWVHT	24	0 926	0 145	0 700	1 200
AVWVPR	24	5 467	0 204	5 000	5 800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 FEBRUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:19 -----					
AIRTEMP	24	20.442	0.840	18.800	21.300
SEATEMP	24	21.462	0.575	21.000	22.700
WINDSPED	24	2.863	1.554	0.700	5.000
SIGWVHT	24	0.648	0.114	0.500	0.800
AVWVPR	24	5.100	0.188	4.800	5.600
----- DAY:20 -----					
AIRTEMP	24	20.537	0.759	18.700	22.000
SEATEMP	24	21.500	0.332	21.200	22.200
WINDSPED	22	2.273	1.625	0.100	6.300
SIGWVHT	24	0.432	0.045	0.400	0.500
AVWVPR	24	5.278	0.322	4.700	5.700
----- DAY:21 -----					
AIRTEMP	24	20.517	0.244	20.400	21.200
SEATEMP	24	21.500	0.182	21.300	22.000
WINDSPED	23	6.387	1.793	2.800	8.400
SIGWVHT	24	0.587	0.231	0.300	1.000
AVWVPR	24	3.882	0.448	3.400	4.600
----- DAY:22 -----					
AIRTEMP	24	20.060	1.561	17.200	21.800
SEATEMP	24	21.328	0.533	21.100	21.800
WINDSPED	24	7.112	4.015	1.400	13.700
SIGWVHT	24	1.308	0.588	0.700	2.800
AVWVPR	24	4.784	0.538	4.200	5.800
----- DAY:23 -----					
AIRTEMP	24	18.950	0.387	17.100	20.300
SEATEMP	24	21.128	0.347	20.800	21.800
WINDSPED	24	5.375	2.885	0.800	8.800
SIGWVHT	24	1.479	0.594	0.500	2.800
AVWVPR	24	5.404	0.705	3.900	6.400
----- DAY:24 -----					
AIRTEMP	24	19.550	0.445	18.700	20.200
SEATEMP	24	21.584	0.340	21.200	22.200
WINDSPED	24	3.188	1.080	1.500	5.800
SIGWVHT	24	0.323	0.076	0.200	0.500
AVWVPR	24	3.854	0.272	3.200	4.100

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 FEBRUARY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	19.554	0.401	18.300	20.500
SEATEMP	24	21.742	0.085	21.500	21.800
WINDSPED	24	8.478	0.818	5.100	8.100
SIGWVHT	24	0.783	0.148	0.400	1.000
AVWVPR	24	4.108	0.331	3.400	4.500
----- DAY:26 -----					
AIRTEMP	24	20.554	0.302	20.200	21.000
SEATEMP	24	21.771	0.184	21.500	22.100
WINDSPED	24	5.271	1.578	2.800	7.800
SIGWVHT	24	0.817	0.181	0.800	1.000
AVWVPR	24	4.392	0.082	4.200	4.600
----- DAY:27 -----					
AIRTEMP	24	20.500	0.248	20.300	21.200
SEATEMP	24	21.778	0.128	21.500	22.000
WINDSPED	24	8.304	0.838	4.700	7.200
SIGWVHT	24	0.882	0.058	0.800	0.900
AVWVPR	24	4.087	0.117	3.900	4.300
----- DAY:28 -----					
AIRTEMP	24	20.845	0.354	20.400	21.500
SEATEMP	24	21.728	0.111	21.500	21.900
WINDSPED	24	5.687	1.233	4.400	8.400
SIGWVHT	24	0.845	0.147	0.700	1.100
AVWVPR	24	4.321	0.302	4.000	4.600

Table 3 (continue)



42002 MARCH 1981

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 MARCH 1981

Table 1

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 SARDMTR SARDMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDIRC WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	734	20.004	1.887	14.800	23.300	8.500	-0.831	0.328
SEATEMP	738	21.840	0.288	21.000	22.400	1.400	0.188	-0.562
SARDMTR	736	1017.181	6.138	1008.800	1028.000	23.400	-0.281	-0.628
WINDSPED	734	6.455	3.079	0.100	14.800	14.400	0.118	-0.838
WINDDIRC	735	145.323	95.264	0.100	388.400	388.300	0.832	-0.307
SIGWVHT	738	1.381	0.718	0.200	3.700	3.500	0.785	0.573
AVWVPR	738	6.074	0.888	3.200	7.500	4.400	0.524	0.086

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 MARCH 1981

PERCENTAGE BAR CHART

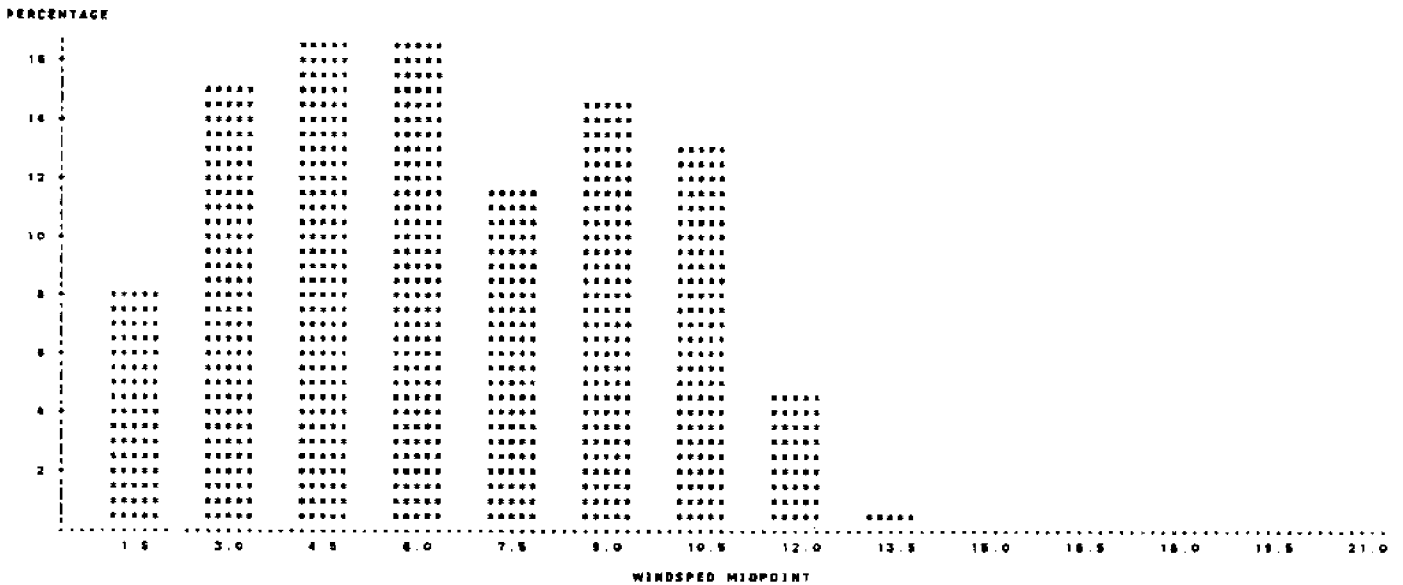


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 MARCH 1981

PERCENTAGE BAR CHART

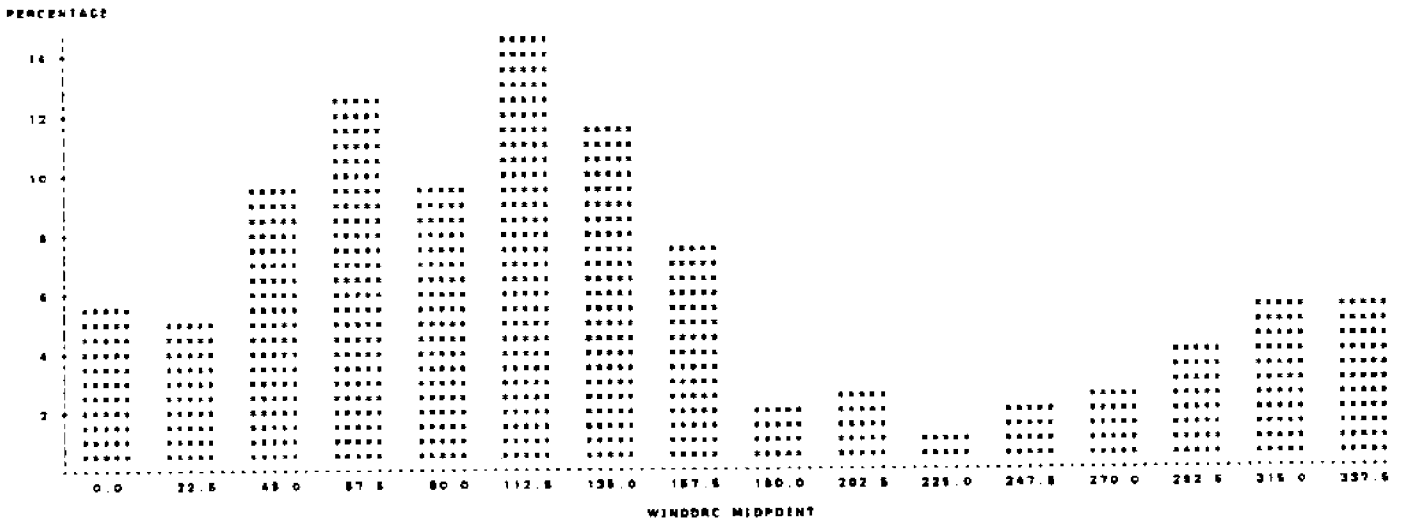


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 MARCH 1981

PERCENTAGE BAR CHART

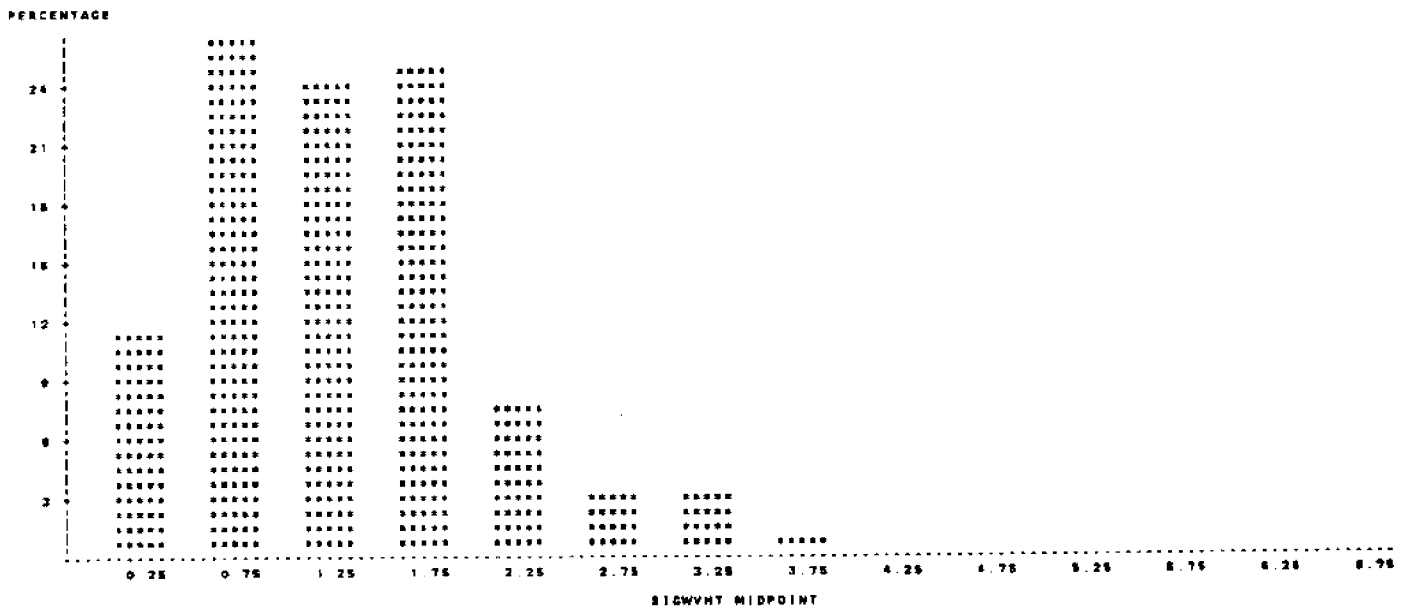


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 STUDY #42002 MARCH 1961

PERCENTAGE BAR CHART

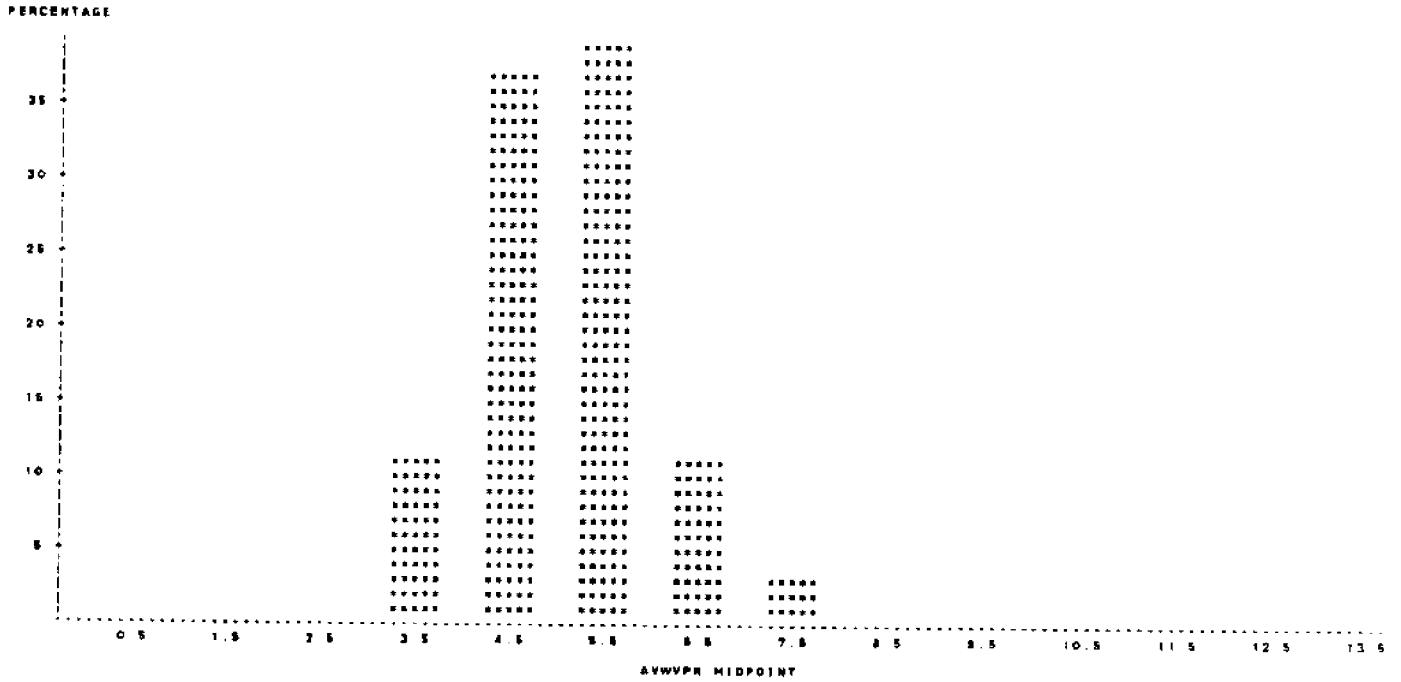


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 STUDY #42002 MARCH 1961

TABLE OF AVWVPR BY SIGNHT

AVWVPR	SIGNHT								TOTAL
FREQUENCY	<1.0	1.0-1.5	1.5-2.0	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	4.0-4.5	
PERCENT									
ROW PCT									
COL PCT									
<1.0	58 7.34 88.38 88.87	24 3.25 30.38 12.37	1 0.14 1.27 0.87	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	78 10.73
1.0-1.5	25 3.40 8.12 30.88	152 20.85 95.47 78.31	74 10.05 27.01 42.08	23 3.13 8.38 12.87	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	274 37.23
1.5-2.0	2 0.27 0.70 2.47	15 2.48 6.37 8.28	88 12.08 31.23 80.57	136 18.78 48.42 75.41	33 4.62 11.86 86.83	9 0.88 1.78 23.81	0 0.00 0.00 0.00	0 0.00 0.00 0.00	285 38.72
2.0-2.5	0 0.00 0.00 0.00	0 0.00 0.00 0.00	11 1.48 13.82 8.28	17 2.31 21.82 8.28	18 2.55 24.08 33.93	12 1.63 18.19 57.14	17 2.31 21.82 88.00	2 0.41 3.60 60.00	78 10.73
2.5-3.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.14 5.28 0.87	8 0.88 28.32 2.73	4 0.54 21.08 7.14	4 0.54 21.08 18.08	3 0.41 18.79 18.00	2 0.27 10.83 40.00	18 2.52
TOTAL	81 11.01	184 25.36	178 23.81	163 24.88	85 7.81	21 2.86	20 2.72	5 0.68	736 100.00

Table 2

DAILY STATISTICS  
 BUDY #42002 MARCH 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	21.325	0.387	20.900	22.100
SEATEMP	24	21.781	0.177	21.800	22.300
WINDSPED	24	4.771	1.813	0.700	8.800
SIGWVHT	24	0.798	0.089	0.800	0.900
AVWVPR	24	4.482	0.187	4.300	4.300
----- DAY#2 -----					
AIRTEMP	24	21.175	0.284	20.700	21.800
SEATEMP	24	21.821	0.208	21.800	22.200
WINDSPED	24	3.109	1.806	0.100	8.000
SIGWVHT	24	0.804	0.046	0.800	0.700
AVWVPR	24	4.821	0.343	4.300	5.400
----- DAY#3 -----					
AIRTEMP	23	21.352	0.245	21.100	21.800
SEATEMP	23	21.888	0.088	21.800	21.800
WINDSPED	23	7.188	1.486	8.200	10.000
SIGWVHT	23	0.848	0.228	0.800	1.400
AVWVPR	23	4.287	0.177	3.800	4.700
----- DAY#4 -----					
AIRTEMP	24	22.071	0.248	21.700	22.500
SEATEMP	24	21.864	0.177	21.700	22.100
WINDSPED	24	6.208	3.824	0.700	12.100
SIGWVHT	24	1.821	0.181	1.800	2.000
AVWVPR	24	5.288	0.330	4.800	5.700
----- DAY#5 -----					
AIRTEMP	22	21.877	0.883	20.800	23.000
SEATEMP	22	22.032	0.048	22.000	22.100
WINDSPED	22	4.408	2.822	0.100	8.300
SIGWVHT	22	1.241	0.188	1.100	1.600
AVWVPR	22	5.408	0.488	5.700	5.300
----- DAY#6 -----					
AIRTEMP	24	18.333	0.718	18.800	20.800
SEATEMP	24	21.862	0.181	21.800	22.200
WINDSPED	24	4.728	0.820	2.800	7.300
SIGWVHT	24	0.882	0.264	0.800	1.400
AVWVPR	24	5.004	0.824	3.800	6.800

Table 3

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	20.828	0.374	20.100	21.200
SEATEMP	24	21.823	0.084	21.800	22.100
WINDSPED	24	7.171	1.802	2.800	10.800
SIGWVHT	24	1.071	0.183	0.700	1.300
AVWVPR	24	4.321	0.328	3.700	4.700
----- DAY#8 -----					
AIRTEMP	24	21.008	0.264	20.800	21.800
SEATEMP	24	21.871	0.088	21.800	22.000
WINDSPED	23	2.842	1.387	0.200	4.800
SIGWVHT	24	0.978	0.128	0.800	1.200
AVWVPR	24	4.878	0.188	4.400	5.200
----- DAY#9 -----					
AIRTEMP	23	20.470	0.400	18.800	21.000
SEATEMP	23	22.139	0.080	22.100	22.200
WINDSPED	23	7.781	1.849	3.200	10.800
SIGWVHT	23	1.809	0.337	1.000	2.000
AVWVPR	23	5.287	0.188	5.000	5.800
----- DAY#10 -----					
AIRTEMP	24	18.037	0.881	17.300	20.000
SEATEMP	24	21.800	0.088	21.800	22.100
WINDSPED	24	8.284	1.123	7.300	11.300
SIGWVHT	24	1.787	0.140	1.800	2.100
AVWVPR	24	5.383	0.124	5.200	5.800
----- DAY#11 -----					
AIRTEMP	24	18.008	0.412	18.800	18.800
SEATEMP	24	21.812	0.103	21.800	21.800
WINDSPED	24	5.882	0.788	4.300	11.000
SIGWVHT	24	1.721	0.138	1.800	2.100
AVWVPR	24	5.233	0.108	5.000	5.400
----- DAY#12 -----					
AIRTEMP	24	18.842	0.380	18.000	19.400
SEATEMP	24	21.333	0.082	21.200	21.800
WINDSPED	24	10.071	1.088	8.100	12.100
SIGWVHT	24	1.887	0.183	1.800	2.300
AVWVPR	24	5.221	0.122	5.100	5.500

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 MARCH 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:13 -----					
AIRTEMP	24	20.817	0.478	18.500	21.800
SEATEMP	24	21.587	0.342	21.200	22.200
WINDSPED	24	5.175	1.771	3.000	10.000
SIGWVHT	24	1.432	0.317	1.100	2.100
AVWVPR	24	5.280	0.351	4.500	5.700
----- DAY:14 -----					
AIRTEMP	24	19.785	0.382	18.300	20.500
SEATEMP	24	21.408	0.260	21.100	21.900
WINDSPED	24	5.863	1.645	2.100	8.200
SIGWVHT	24	1.071	0.120	0.800	1.300
AVWVPR	24	4.837	0.255	4.500	5.400
----- DAY:15 -----					
AIRTEMP	24	20.228	0.854	18.300	22.700
SEATEMP	24	21.504	0.440	21.000	22.400
WINDSPED	23	4.128	2.123	0.100	6.700
SIGWVHT	24	0.871	0.142	0.500	1.000
AVWVPR	24	4.354	0.138	4.100	4.500
----- DAY:16 -----					
AIRTEMP	24	21.021	0.275	20.500	21.500
SEATEMP	24	21.878	0.150	21.500	22.200
WINDSPED	24	5.182	2.814	1.500	10.200
SIGWVHT	24	0.882	0.324	0.500	1.500
AVWVPR	24	4.582	0.558	3.500	5.500
----- DAY:17 -----					
AIRTEMP	24	18.542	0.550	16.200	20.300
SEATEMP	24	21.721	0.172	21.500	22.000
WINDSPED	24	3.492	2.001	0.500	8.800
SIGWVHT	24	0.857	0.240	0.400	1.200
AVWVPR	24	4.367	0.572	3.200	5.100
----- DAY:18 -----					
AIRTEMP	24	21.375	0.575	20.200	22.500
SEATEMP	24	21.888	0.075	21.500	22.100
WINDSPED	24	10.254	1.251	8.500	12.500
SIGWVHT	24	1.700	0.482	0.500	2.300
AVWVPR	24	4.837	0.535	3.400	5.500

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 MARCH 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:19 -----					
AIRTEMP	24	18.782	2.337	14.800	20.900
SEATEMP	24	21.725	0.098	21.500	21.800
WINDSPED	24	10.804	2.312	7.500	14.500
SIGWVHT	24	2.883	0.805	1.500	3.700
AVWVPR	24	5.433	0.723	5.000	7.500
----- DAY:20 -----					
AIRTEMP	24	17.042	1.262	15.300	18.500
SEATEMP	24	21.808	0.188	21.500	22.100
WINDSPED	24	4.875	1.584	2.500	8.000
SIGWVHT	24	1.082	0.454	0.500	2.100
AVWVPR	24	4.837	0.582	3.700	6.000
----- DAY:21 -----					
AIRTEMP	24	20.048	1.105	18.500	21.700
SEATEMP	24	21.442	0.132	21.300	21.500
WINDSPED	24	8.828	2.488	2.400	11.700
SIGWVHT	24	1.750	0.454	0.700	2.200
AVWVPR	24	5.150	0.775	3.800	6.000
----- DAY:22 -----					
AIRTEMP	24	20.821	1.341	18.300	23.300
SEATEMP	24	21.408	0.078	21.300	21.500
WINDSPED	24	7.354	3.732	2.100	13.800
SIGWVHT	24	2.004	0.418	1.400	3.100
AVWVPR	24	5.117	0.872	4.000	7.100
----- DAY:23 -----					
AIRTEMP	24	18.233	0.898	17.000	19.500
SEATEMP	24	21.442	0.121	21.200	21.500
WINDSPED	24	5.887	1.842	6.100	11.300
SIGWVHT	24	2.883	0.518	2.100	3.700
AVWVPR	24	5.804	0.240	5.000	6.500
----- DAY:24 -----					
AIRTEMP	24	17.388	0.703	15.500	18.500
SEATEMP	24	21.879	0.118	21.500	21.800
WINDSPED	24	4.554	1.027	3.100	6.300
SIGWVHT	24	1.079	0.505	0.500	2.200
AVWVPR	24	4.817	0.528	4.000	5.200

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 MARCH 1951

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#26 -----					
AIRTEMP	24	17.850	0.872	17.000	18.800
SEATEMP	24	21.543	0.228	21.300	22.000
WINDSPED	24	3.333	0.704	2.100	4.800
SIGWVHT	24	0.437	0.082	0.300	0.800
AVWVPR	24	3.884	0.700	3.700	4.600
----- DAY#26 -----					
AIRTEMP	24	18.743	0.341	18.400	18.400
SEATEMP	24	21.578	0.293	21.300	22.200
WINDSPED	24	3.282	0.688	2.100	4.800
SIGWVHT	24	0.292	0.088	0.200	0.800
AVWVPR	24	3.871	0.183	3.800	4.100
----- DAY#27 -----					
AIRTEMP	24	20.160	0.751	19.100	21.100
SEATEMP	24	21.468	0.172	21.300	21.800
WINDSPED	24	6.882	1.405	4.000	8.900
SIGWVHT	24	0.787	0.288	0.200	1.100
AVWVPR	24	3.878	0.404	3.200	4.600
----- DAY#28 -----					
AIRTEMP	24	21.060	0.284	20.700	21.400
SEATEMP	24	21.342	0.118	21.200	21.800
WINDSPED	24	10.021	1.147	7.000	11.900
SIGWVHT	24	1.898	0.374	0.800	2.100
AVWVPR	24	4.842	0.481	4.300	5.800
----- DAY#28 -----					
AIRTEMP	24	21.825	0.358	21.300	22.800
SEATEMP	24	21.473	0.107	21.300	21.800
WINDSPED	24	9.484	1.898	5.100	11.300
SIGWVHT	24	2.337	0.603	1.800	3.100
AVWVPR	24	5.887	0.735	5.000	7.400
----- DAY#30 -----					
AIRTEMP	24	21.121	0.884	20.100	22.200
SEATEMP	24	21.737	0.388	21.400	22.800
WINDSPED	24	2.717	1.811	0.400	5.800
SIGWVHT	24	1.900	0.504	1.300	2.800
AVWVPR	24	5.887	0.288	5.700	7.600

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	20	21.810	0.788	20.700	23.000
SEATEMP	20	21.820	0.188	21.300	21.800
WINDSPED	20	6.230	1.377	2.800	8.100
SIGWVHT	20	1.268	0.183	1.100	1.800
AVWVPR	20	5.818	0.848	5.100	7.300

Table 3 (continue)

42002 APRIL 1981



MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 APRIL 1981

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BAROMTR BAROMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRG WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKWENESS	KURTOSIS
AIRTEMP	720	22.824	1.007	18.800	25.300	6.700	-0.425	-0.025
SEATEMP	720	22.284	1.125	21.100	25.800	4.800	-0.125	-1.305
BAROMTR	720	1018.074	4.111	1010.200	1026.800	18.700	0.033	-0.444
WINDSPED	716	6.215	1.874	0.500	14.800	14.100	0.380	1.098
WINDDRG	720	110.428	31.828	3.300	382.400	348.100	0.309	8.218
SIGWVHT	720	1.158	0.388	0.300	3.000	2.700	0.595	1.797
AVWVPR	720	4.561	0.511	3.000	6.700	3.100	-0.054	0.404

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 APRIL 1981

PERCENTAGE BAR CHART

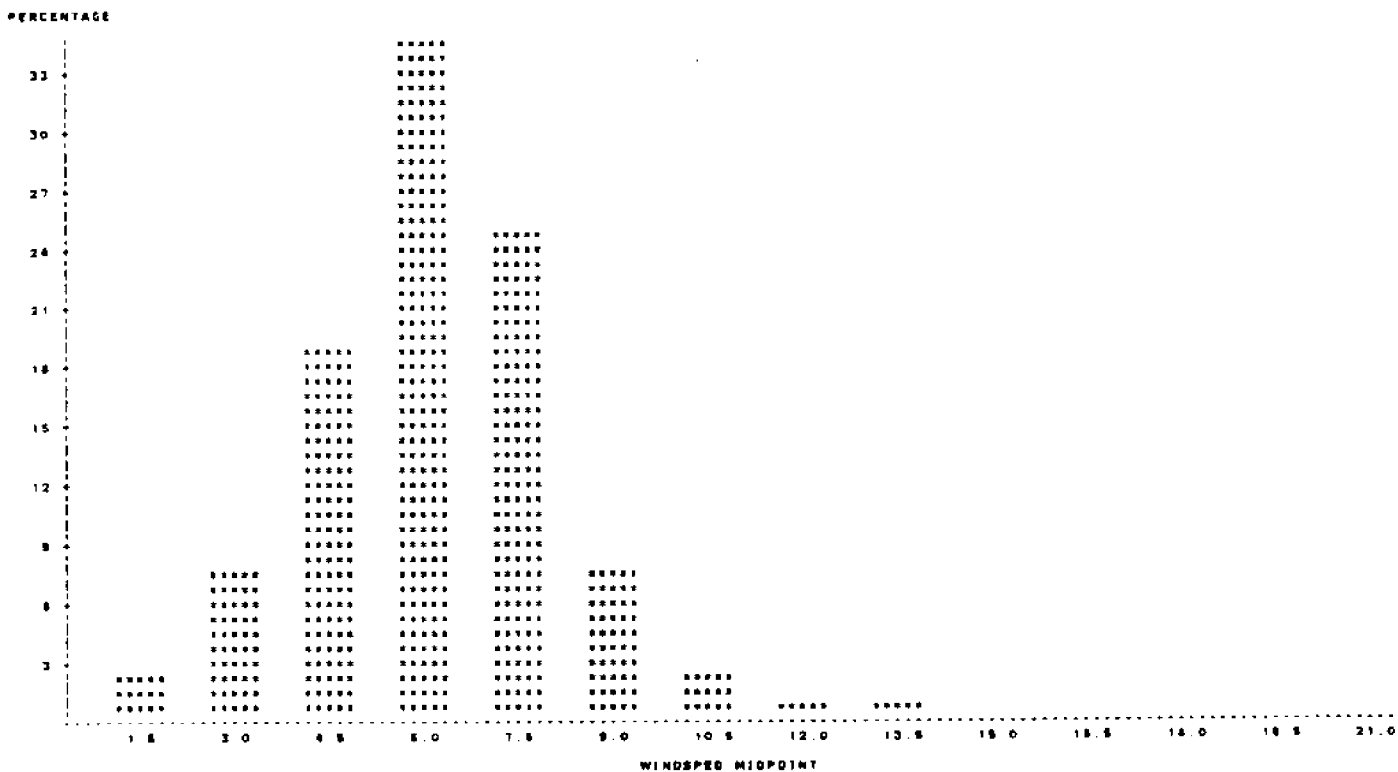


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 APRIL 1981

PERCENTAGE BAR CHART

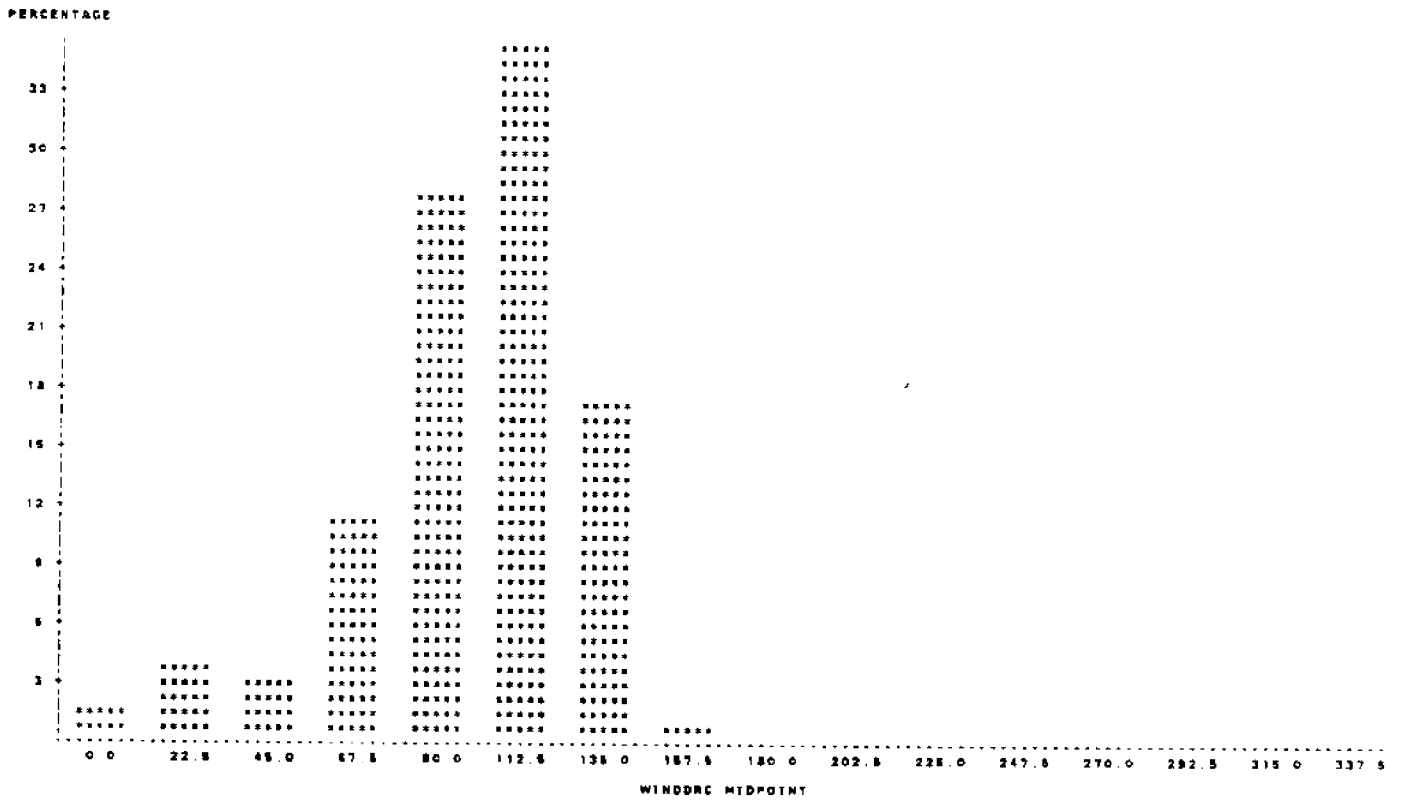


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 APRIL 1981

PERCENTAGE BAR CHART

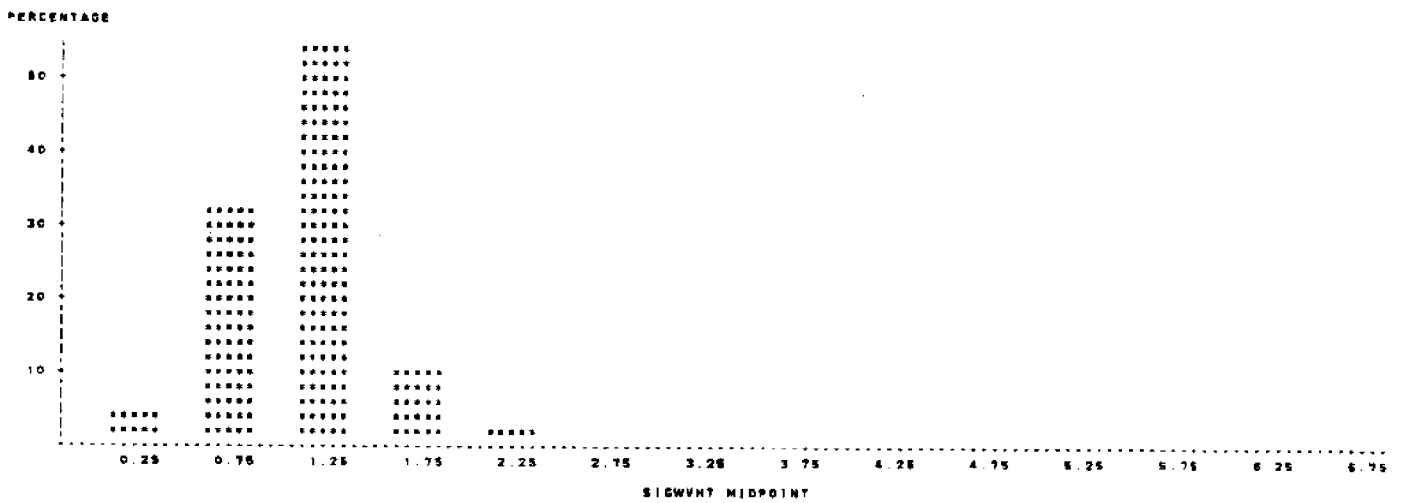


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 APRIL 1961  
 PERCENTAGE BAR CHART

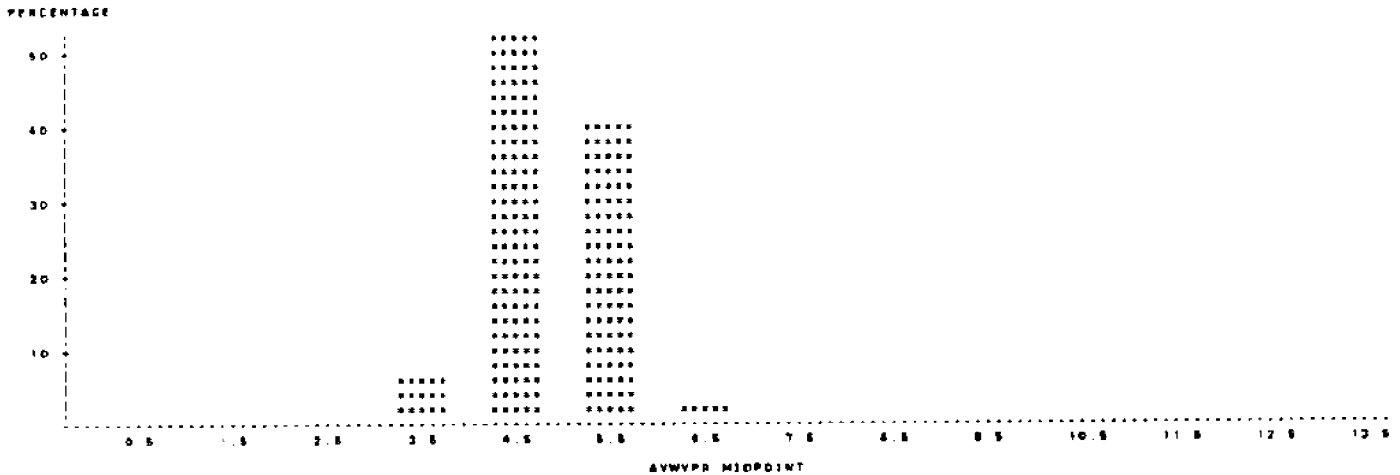


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 APRIL 1961  
 TABLE OF AVWVPR BY SIGNVHT

AVWVPR	SIGNVHT						TOTAL
FREQUENCY PERCENT ROW PCT COL PCT	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	
<=1.0	2 0.28 5.13 6.90	38 5.00 92.31 15.82	1 0.14 2.55 0.25	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	39 5.42
<=1.5	27 3.75 7.12 93.10	144 20.00 37.88 63.72	180 25.00 47.49 47.00	27 3.75 7.12 28.12	1 0.14 0.26 12.60	0 0.00 0.00 0.00	378 52.84
<=2.0	0 0.00 0.00 0.00	48 8.29 18.03 20.35	200 27.78 88.89 52.22	28 4.03 10.10 42.03	7 0.97 2.44 87.90	5 0.68 1.74 100.00	287 39.88
<=2.5	0 0.00 0.00 0.00	0 0.00 0.00 0.00	2 0.28 13.33 0.52	13 1.81 48.87 18.84	0 0.00 0.00 0.00	0 0.00 0.00 0.00	15 2.08
TOTAL	28 4.03	228 31.38	383 53.18	69 9.55	4 1.11	5 0.68	720 100.00

Table 2

DAILY STATISTICS  
 BUOY #42002 APRIL 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	21.446	0.766	20.300	22.700
SEATEMP	24	21.787	0.225	21.600	22.200
WINDSPED	24	4.364	1.467	0.600	7.100
SIGWVHT	24	0.856	0.182	0.600	1.100
AVWVPR	24	5.221	0.769	4.700	6.600
----- DAY#2 -----					
AIRTEMP	24	21.800	0.482	21.200	22.600
SEATEMP	24	21.682	0.416	21.100	22.400
WINDSPED	24	4.721	0.781	2.900	6.000
SIGWVHT	24	0.766	0.114	0.600	0.900
AVWVPR	24	4.858	0.278	4.200	5.400
----- DAY#3 -----					
AIRTEMP	24	22.168	0.340	21.800	22.700
SEATEMP	24	22.108	0.093	22.000	22.300
WINDSPED	24	7.826	0.957	5.600	9.700
SIGWVHT	24	1.017	0.186	0.600	1.300
AVWVPR	24	4.179	0.240	3.800	4.600
----- DAY#4 -----					
AIRTEMP	24	22.833	0.421	22.000	23.100
SEATEMP	24	22.204	0.262	21.600	22.700
WINDSPED	24	8.896	1.944	4.400	11.600
SIGWVHT	24	1.600	0.172	1.300	1.900
AVWVPR	24	5.067	0.608	4.400	6.300
----- DAY#5 -----					
AIRTEMP	24	22.642	0.243	21.600	23.100
SEATEMP	24	22.304	0.144	22.100	22.800
WINDSPED	24	5.641	3.668	0.600	11.400
SIGWVHT	24	1.660	0.247	1.200	2.100
AVWVPR	24	5.676	0.696	4.600	6.700
----- DAY#6 -----					
AIRTEMP	24	21.250	0.209	21.000	21.600
SEATEMP	24	21.887	0.137	21.600	22.100
WINDSPED	24	8.106	0.886	6.600	10.000
SIGWVHT	24	1.678	0.126	1.400	1.800
AVWVPR	24	5.121	0.230	4.600	5.600

Table 3

DAILY STATISTICS  
 BUOY #42002 APRIL 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	20.762	0.386	20.200	21.600
SEATEMP	24	21.576	0.185	21.400	21.900
WINDSPED	24	6.604	0.882	5.300	8.100
SIGWVHT	24	1.321	0.211	1.000	1.700
AVWVPR	24	6.126	0.186	4.400	6.400
----- DAY#8 -----					
AIRTEMP	24	21.704	0.624	20.900	22.700
SEATEMP	24	21.678	0.244	21.300	22.000
WINDSPED	24	6.112	0.798	4.600	7.700
SIGWVHT	24	0.837	0.082	0.600	1.100
AVWVPR	24	4.662	0.128	4.400	5.000
----- DAY#9 -----					
AIRTEMP	24	22.332	0.220	22.000	22.700
SEATEMP	24	21.898	0.287	21.700	22.800
WINDSPED	24	6.660	0.388	5.600	7.300
SIGWVHT	24	1.171	0.118	0.600	1.400
AVWVPR	24	4.923	0.182	4.600	5.200
----- DAY#10 -----					
AIRTEMP	24	22.476	0.223	22.100	22.800
SEATEMP	24	22.429	0.189	22.200	22.800
WINDSPED	24	7.304	1.052	5.700	9.200
SIGWVHT	24	1.326	0.187	1.100	1.600
AVWVPR	24	4.987	0.134	4.700	5.200
----- DAY#11 -----					
AIRTEMP	24	22.660	0.247	22.200	23.000
SEATEMP	24	22.676	0.162	22.400	22.800
WINDSPED	24	6.471	0.924	5.300	8.300
SIGWVHT	24	1.258	0.082	1.100	1.400
AVWVPR	24	6.188	0.188	4.900	6.700
----- DAY#12 -----					
AIRTEMP	24	22.643	0.288	22.200	23.100
SEATEMP	24	22.747	0.211	22.600	23.200
WINDSPED	24	6.171	1.262	3.600	8.200
SIGWVHT	24	1.332	0.072	1.300	1.800
AVWVPR	24	5.617	0.246	5.100	6.000

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 APRIL 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	22.717	0.241	22.400	23.100
SEATEMP	24	22.886	0.244	22.800	23.400
WINDSPED	24	5.882	0.895	4.800	8.000
SIGWVHT	24	1.228	0.130	1.000	1.400
AVWVPR	24	5.485	0.214	5.100	5.800
----- DAY#14 -----					
AIRTEMP	24	22.833	0.310	22.400	23.200
SEATEMP	24	23.112	0.293	22.800	23.400
WINDSPED	24	5.725	1.700	2.400	7.700
SIGWVHT	24	1.021	0.188	0.800	1.200
AVWVPR	24	5.050	0.247	4.600	5.500
----- DAY#15 -----					
AIRTEMP	24	22.787	0.343	22.200	23.300
SEATEMP	24	23.137	0.180	23.000	23.400
WINDSPED	24	6.104	1.084	4.100	7.500
SIGWVHT	24	1.071	0.112	0.800	1.300
AVWVPR	24	4.878	0.289	4.400	5.300
----- DAY#16 -----					
AIRTEMP	24	23.028	0.284	22.800	23.500
SEATEMP	24	23.378	0.185	23.200	23.800
WINDSPED	24	6.004	0.714	4.400	8.900
SIGWVHT	24	1.104	0.088	1.000	1.200
AVWVPR	24	4.844	0.172	4.500	5.200
----- DAY#17 -----					
AIRTEMP	24	23.183	0.287	22.700	23.700
SEATEMP	24	23.578	0.145	23.400	23.800
WINDSPED	24	6.476	0.693	5.300	7.800
SIGWVHT	24	1.288	0.187	1.100	1.500
AVWVPR	24	5.184	0.294	4.800	5.700
----- DAY#18 -----					
AIRTEMP	24	23.243	0.307	22.700	23.700
SEATEMP	24	23.864	0.135	23.700	24.200
WINDSPED	24	6.721	0.778	5.100	8.100
SIGWVHT	24	1.386	0.091	1.200	1.500
AVWVPR	24	5.333	0.224	4.900	5.700

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	23.325	0.287	22.800	23.700
SEATEMP	24	24.054	0.110	23.900	24.300
WINDSPED	24	6.783	0.821	5.300	8.200
SIGWVHT	24	1.223	0.082	1.100	1.400
AVWVPR	24	5.046	0.228	4.800	5.400
----- DAY#20 -----					
AIRTEMP	24	23.462	0.421	22.900	24.000
SEATEMP	24	24.304	0.383	24.000	25.100
WINDSPED	24	3.533	0.976	1.300	5.000
SIGWVHT	24	0.828	0.188	0.600	1.200
AVWVPR	24	5.042	0.178	4.800	5.400
----- DAY#21 -----					
AIRTEMP	24	23.442	0.383	22.800	24.200
SEATEMP	24	24.443	0.210	24.200	24.800
WINDSPED	24	4.464	1.223	1.700	8.200
SIGWVHT	24	0.583	0.038	0.500	0.800
AVWVPR	24	4.308	0.563	3.500	5.300
----- DAY#22 -----					
AIRTEMP	24	23.643	0.446	23.100	24.300
SEATEMP	24	24.358	0.181	24.100	24.700
WINDSPED	24	6.483	0.888	5.100	8.200
SIGWVHT	24	0.804	0.187	0.800	1.100
AVWVPR	24	4.171	0.329	3.800	4.800
----- DAY#23 -----					
AIRTEMP	24	24.050	0.312	23.700	24.800
SEATEMP	24	24.383	0.178	24.200	24.600
WINDSPED	24	8.250	1.330	6.800	10.700
SIGWVHT	24	1.448	0.187	1.100	1.700
AVWVPR	24	4.800	0.230	4.400	5.300
----- DAY#24 -----					
AIRTEMP	24	23.888	0.260	23.800	24.800
SEATEMP	24	24.379	0.072	24.300	24.800
WINDSPED	24	6.283	2.021	3.300	10.100
SIGWVHT	24	1.317	0.137	1.100	1.700
AVWVPR	24	5.204	0.348	4.800	5.700

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 APRIL 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY: 25 -----					
AIRTEMP	24	23.386	1.287	18.800	24.200
SEATEMP	24	24.387	0.034	24.300	24.400
WINDSPED	24	8.888	2.308	5.800	14.800
SIOWVHT	24	1.784	0.515	1.300	3.000
AVWVPR	24	4.950	0.368	4.500	5.800
----- DAY: 26 -----					
AIRTEMP	24	23.392	0.512	22.800	24.100
SEATEMP	24	24.181	0.245	23.800	24.800
WINDSPED	24	5.728	2.243	3.100	11.800
SIOWVHT	24	1.804	0.488	1.200	2.800
AVWVPR	24	5.848	0.308	5.000	6.300
----- DAY: 27 -----					
AIRTEMP	24	23.837	0.241	23.500	24.200
SEATEMP	24	24.333	0.158	24.100	24.600
WINDSPED	24	8.278	1.228	3.300	7.800
SIOWVHT	24	1.078	0.518	0.800	1.300
AVWVPR	24	5.194	0.223	4.800	6.800
----- DAY: 28 -----					
AIRTEMP	24	24.028	0.233	23.700	24.800
SEATEMP	24	24.421	0.206	24.200	24.800
WINDSPED	24	5.800	1.082	3.800	7.800
SIOWVHT	24	0.804	0.281	0.800	1.200
AVWVPR	24	4.333	0.185	3.800	4.700
----- DAY: 29 -----					
AIRTEMP	24	24.333	0.305	24.000	25.100
SEATEMP	24	24.887	0.307	24.400	25.400
WINDSPED	24	4.133	1.275	1.800	6.200
SIOWVHT	24	0.808	0.080	0.800	0.700
AVWVPR	24	4.278	0.314	3.700	4.700
----- DAY: 30 -----					
AIRTEMP	24	24.578	0.428	24.000	25.300
SEATEMP	24	25.082	0.303	24.700	25.800
WINDSPED	24	3.412	0.852	1.200	4.700
SIOWVHT	24	0.487	0.070	0.300	0.800
AVWVPR	24	4.487	0.312	3.900	4.900

Table 3 (continue)

42002 MAY 1981

Table 1

MONTHLY WAVE STATISTIC SUMMARY  
 STUDY #42002 MAY 1961

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 SARDMTR SARDMETER (MB)  
 WINDSPD WIND SPEED (M/SEC)  
 WINDDRC WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 SIGWHT SIGNIFICANT WAVE HIGHTS (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKWENESS	KURTOSIS
AIRTEMP	740	24.588	1.128	18.400	27.800	9.400	-0.588	0.881
SEATEMP	740	25.235	0.802	24.400	28.800	4.200	1.144	2.823
SARDMTR	740	1013.235	2.811	1007.300	1019.800	12.200	0.289	-0.891
WINDSPD	738	6.744	2.368	0.100	18.400	18.300	0.132	0.103
WINDDRC	738	129.578	74.881	0.200	387.200	387.000	1.373	2.204
SIGWHT	738	1.018	0.480	0.200	2.800	2.600	0.751	0.777
AVWVPR	738	4.608	0.716	3.200	8.800	5.700	0.636	-0.016

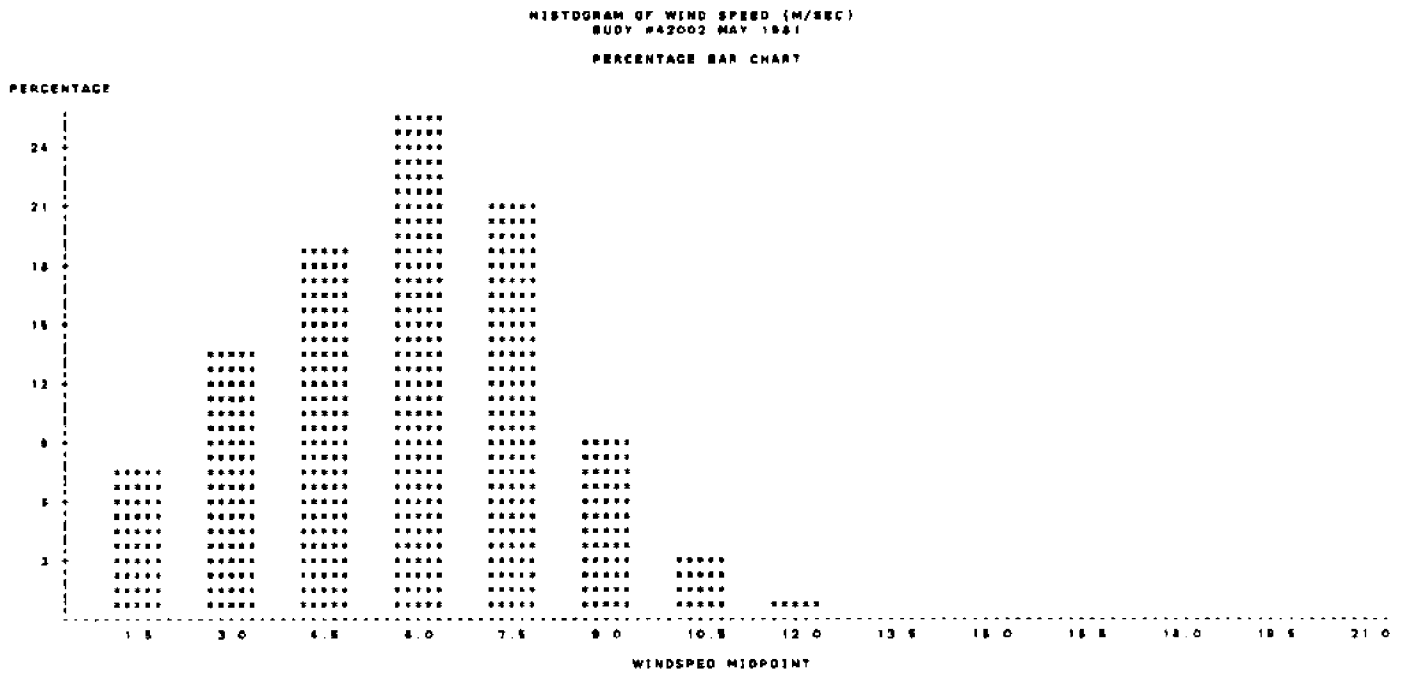


Fig. 1



HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #42002 MAY 1981

PERCENTAGE BAR CHART

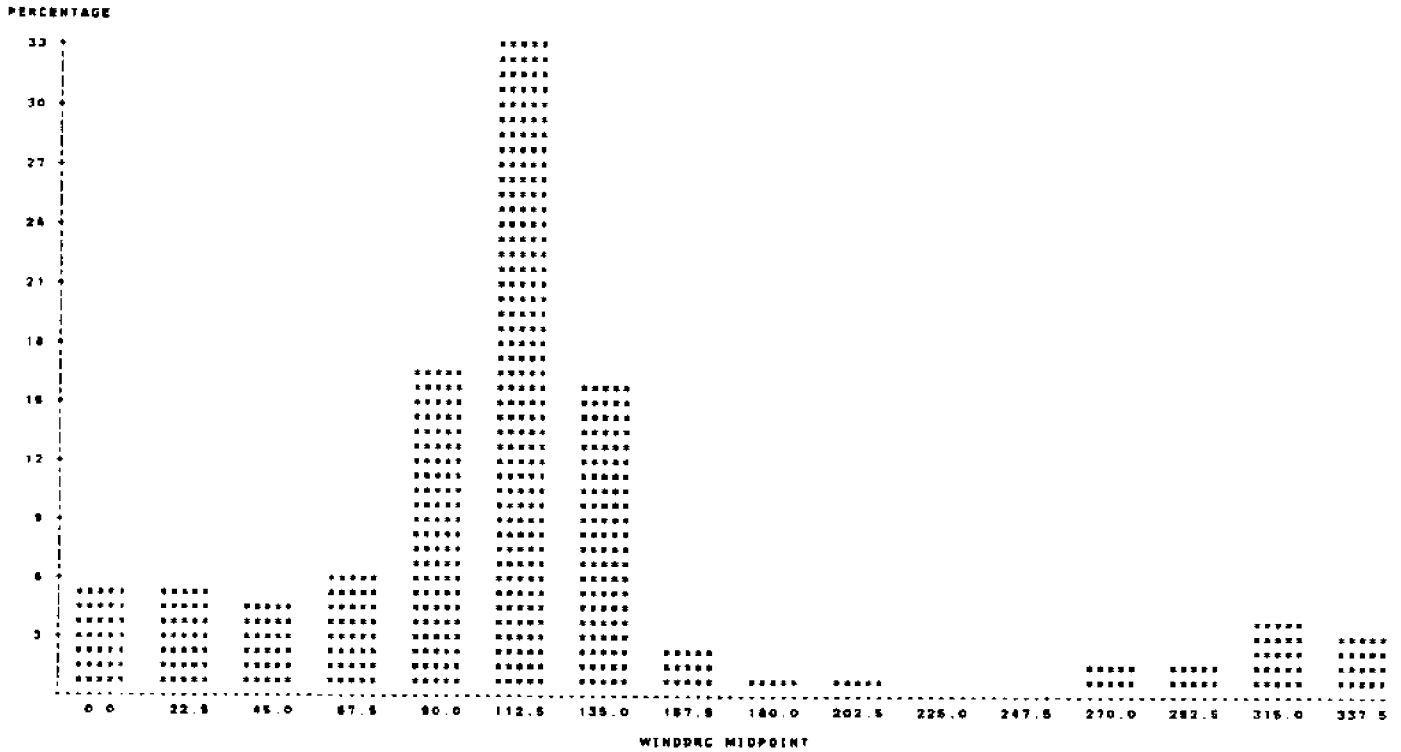


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 STUDY #42002 MAY 1981

PERCENTAGE BAR CHART

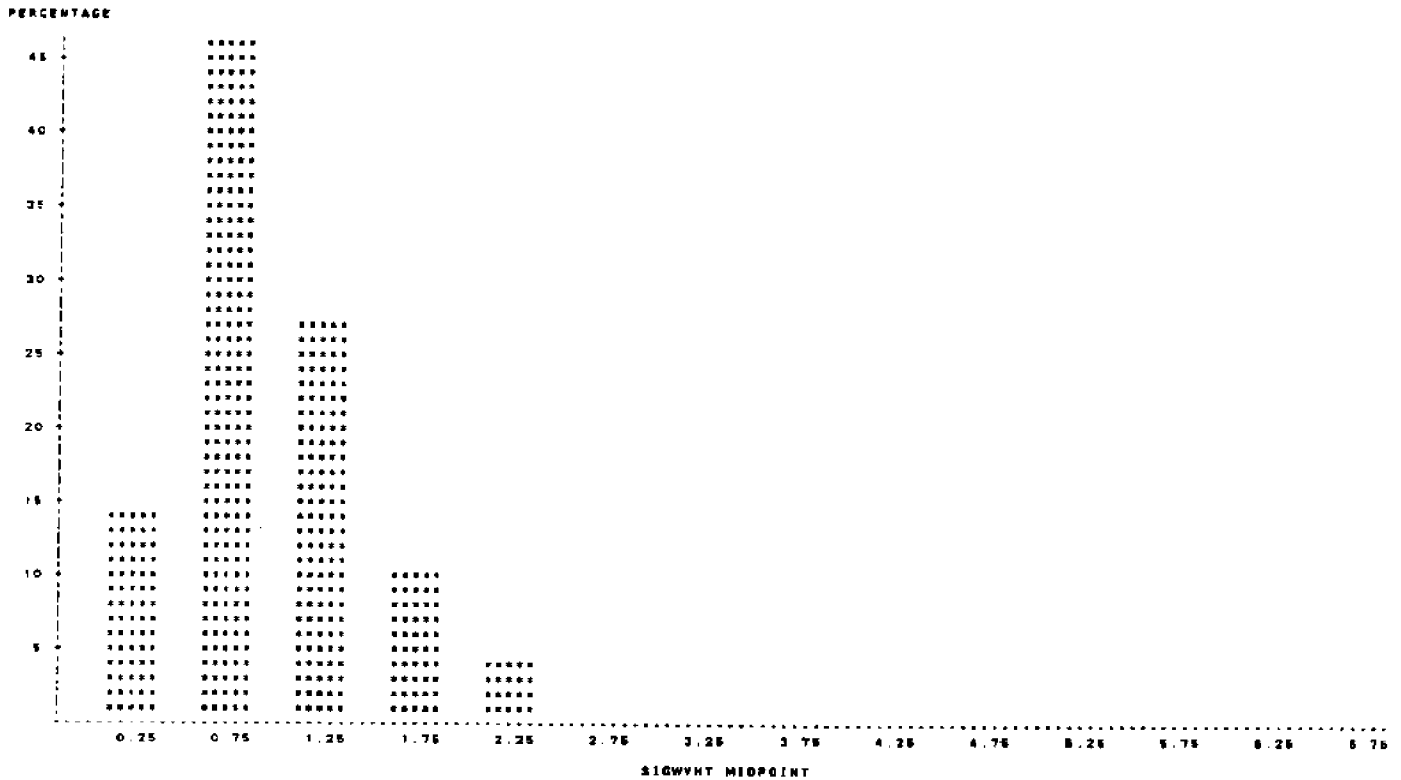


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 MAY 1981

PERCENTAGE BAR CHART

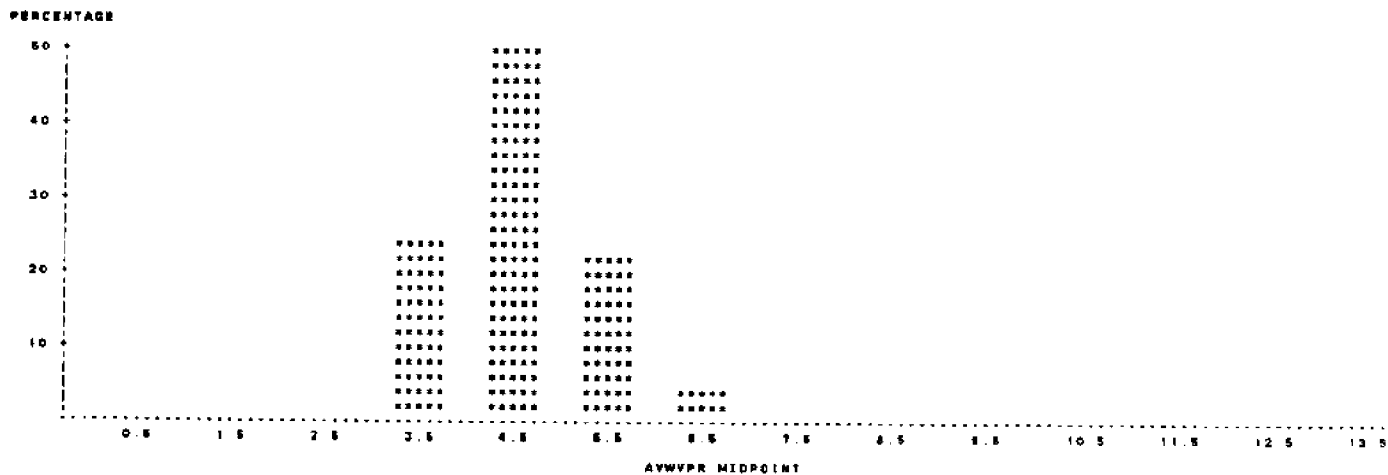


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 MAY 1981

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT	SIGNIFICANT HEIGHTS						TOTAL
		<+0.5	<+1.0	<+1.5	<+2.0	<+2.5	<+3.0	
		0	0	0	0	0	0	
<+4.0	0	77	86	4	0	0	0	179
		10.42	13.28	0.94	0.00	0.00	0.00	24.22
		43.02	54.78	2.23	0.00	0.00	0.00	
		77.00	28.82	2.00	0.00	0.00	0.00	
<+5.0	0	21	303	132	9	1	0	366
		2.84	27.47	17.86	1.22	0.14	0.00	48.83
		5.78	89.46	38.07	2.48	0.27	0.00	
		21.00	69.71	88.00	12.64	3.70	0.00	
<+6.0	0	2	38	44	98	28	1	187
		0.27	4.87	5.98	7.88	3.82	0.14	22.80
		1.20	21.86	28.35	34.73	16.57	0.60	
		2.00	10.59	22.00	81.69	96.30	100.00	
<+7.0	0	0	3	20	4	0	0	27
		0.00	0.41	2.71	0.54	0.00	0.00	3.95
		0.00	11.11	74.07	14.81	0.00	0.00	
		0.00	0.88	10.00	5.83	0.00	0.00	
TOTAL		100	340	200	71	27	1	738
		12.83	46.01	27.06	8.81	3.66	0.14	100.00

Table 2

DAILY STATISTICS  
 BUDY #42002 MAY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	23	24.778	0.414	24.200	25.500
SEATEMP	23	25.352	0.531	24.700	25.400
WINDSPED	23	3.155	0.527	1.700	5.500
SIGWVHT	23	0.309	0.029	0.300	0.400
AVWVPR	23	3.597	0.144	3.500	4.100
----- DAY#2 -----					
AIRTEMP	24	24.827	0.339	24.400	25.500
SEATEMP	24	25.554	0.118	25.500	25.000
WINDSPED	22	3.527	1.052	1.000	5.300
SIGWVHT	24	0.287	0.065	0.200	0.400
AVWVPR	24	3.487	0.201	3.200	4.000
----- DAY#3 -----					
AIRTEMP	24	24.856	0.198	24.500	25.200
SEATEMP	24	25.104	0.127	25.000	25.500
WINDSPED	24	5.852	1.222	4.500	5.400
SIGWVHT	24	0.587	0.428	0.300	1.500
AVWVPR	24	4.237	0.545	3.200	5.000
----- DAY#4 -----					
AIRTEMP	24	23.433	1.584	19.400	25.100
SEATEMP	24	24.842	0.230	24.500	25.500
WINDSPED	24	8.358	3.458	2.100	15.400
SIGWVHT	23	1.851	0.318	1.300	2.500
AVWVPR	23	5.135	0.759	4.700	5.500
----- DAY#5 -----					
AIRTEMP	24	24.257	0.474	23.500	25.100
SEATEMP	24	25.045	0.254	24.500	25.500
WINDSPED	24	3.350	1.555	1.300	5.500
SIGWVHT	24	1.352	0.295	1.000	1.700
AVWVPR	24	5.255	0.407	5.500	5.500
----- DAY#6 -----					
AIRTEMP	24	24.352	0.325	23.500	24.500
SEATEMP	24	24.742	0.118	24.500	25.000
WINDSPED	24	5.125	1.555	1.300	5.500
SIGWVHT	24	1.048	0.135	0.500	1.300
AVWVPR	24	5.348	0.540	3.500	5.400

Table 3

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	24.005	0.531	23.500	24.500
SEATEMP	24	24.833	0.235	24.500	25.300
WINDSPED	24	5.325	1.753	2.700	8.300
SIGWVHT	24	0.554	0.243	0.500	1.300
AVWVPR	24	4.544	0.305	4.000	5.100
----- DAY#8 -----					
AIRTEMP	24	23.517	0.385	23.200	24.300
SEATEMP	24	24.748	0.313	24.400	25.300
WINDSPED	24	5.025	1.125	3.400	7.100
SIGWVHT	24	0.557	0.185	0.300	0.800
AVWVPR	24	3.955	0.210	3.300	4.300
----- DAY#9 -----					
AIRTEMP	24	24.221	0.351	23.500	25.000
SEATEMP	24	24.557	0.127	24.500	24.900
WINDSPED	24	7.275	0.855	5.100	9.500
SIGWVHT	24	0.567	0.185	0.500	1.200
AVWVPR	24	4.254	0.325	3.400	4.800
----- DAY#10 -----					
AIRTEMP	24	23.904	1.050	21.300	25.100
SEATEMP	24	24.842	0.118	24.400	24.500
WINDSPED	23	5.826	2.501	0.300	9.500
SIGWVHT	24	1.095	0.157	0.500	1.500
AVWVPR	24	4.575	0.357	4.000	5.300
----- DAY#11 -----					
AIRTEMP	24	22.512	0.750	21.500	23.500
SEATEMP	24	24.755	0.352	24.400	25.500
WINDSPED	24	4.925	2.514	1.400	5.000
SIGWVHT	24	1.355	0.412	0.700	1.500
AVWVPR	24	5.188	0.335	4.700	5.500
----- DAY#12 -----					
AIRTEMP	24	23.137	0.412	22.500	23.500
SEATEMP	24	24.552	0.174	24.500	25.100
WINDSPED	24	4.258	1.244	1.700	5.300
SIGWVHT	24	0.575	0.051	0.500	0.700
AVWVPR	24	4.012	0.505	3.300	4.500

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 MAY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	24.008	0.882	23.300	25.000
SEATEMP	24	24.778	0.243	24.800	25.300
WINDSPED	24	5.704	0.589	4.300	8.800
SIGWVHT	24	0.750	0.072	0.800	0.900
AVWVPR	24	3.584	0.188	3.400	4.200
----- DAY#14 -----					
AIRTEMP	24	24.871	0.487	24.400	25.000
SEATEMP	24	25.057	0.282	24.800	25.800
WINDSPED	24	6.888	2.044	1.000	7.800
SIGWVHT	24	0.833	0.078	0.700	1.000
AVWVPR	24	4.180	0.182	3.800	4.800
----- DAY#15 -----					
AIRTEMP	24	24.882	0.345	24.300	25.800
SEATEMP	24	25.278	0.172	25.100	25.700
WINDSPED	24	4.712	2.082	1.300	8.000
SIGWVHT	24	0.687	0.045	0.800	0.800
AVWVPR	24	4.183	0.395	3.700	4.800
----- DAY#16 -----					
AIRTEMP	24	25.183	0.383	24.700	25.800
SEATEMP	24	25.058	0.082	24.800	25.300
WINDSPED	24	1.437	1.318	1.800	12.100
SIGWVHT	24	1.887	0.478	0.800	2.600
AVWVPR	24	4.800	0.816	3.700	5.700
----- DAY#17 -----					
AIRTEMP	24	25.354	0.378	24.800	25.800
SEATEMP	24	25.082	0.082	25.000	25.200
WINDSPED	24	9.484	0.848	8.200	11.800
SIGWVHT	24	2.082	0.097	1.800	2.300
AVWVPR	24	5.808	0.188	5.300	5.800
----- DAY#18 -----					
AIRTEMP	24	25.521	0.287	25.100	25.100
SEATEMP	24	25.239	0.155	25.100	25.800
WINDSPED	24	7.898	1.840	4.100	10.300
SIGWVHT	24	1.875	0.185	1.800	2.200
AVWVPR	24	5.887	0.201	5.300	6.000

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	25.783	0.683	25.300	27.600
SEATEMP	24	25.854	0.523	25.400	27.000
WINDSPED	23	3.738	1.762	1.200	6.900
SIGWVHT	24	1.254	0.298	0.800	1.800
AVWVPR	24	5.404	0.236	5.000	5.800
----- DAY#20 -----					
AIRTEMP	24	24.317	0.488	23.000	25.200
SEATEMP	24	25.887	0.188	25.800	26.400
WINDSPED	24	6.812	1.323	3.500	8.300
SIGWVHT	24	1.183	0.178	0.800	1.500
AVWVPR	24	4.882	0.278	4.800	5.300
----- DAY#21 -----					
AIRTEMP	24	23.100	0.881	22.800	24.000
SEATEMP	24	25.437	0.108	25.300	25.800
WINDSPED	24	6.912	0.494	5.800	8.800
SIGWVHT	24	1.180	0.162	1.000	1.500
AVWVPR	24	4.546	0.292	4.300	5.300
----- DAY#22 -----					
AIRTEMP	24	23.817	0.345	23.800	24.400
SEATEMP	24	25.321	0.051	25.300	25.800
WINDSPED	24	8.837	0.883	8.100	8.800
SIGWVHT	24	1.021	0.118	0.800	1.200
AVWVPR	24	4.433	0.124	4.200	4.700
----- DAY#23 -----					
AIRTEMP	24	24.882	0.378	24.200	25.200
SEATEMP	24	25.882	0.225	25.300	25.800
WINDSPED	24	5.117	1.074	4.400	8.400
SIGWVHT	24	0.808	0.141	0.700	1.100
AVWVPR	24	4.287	0.140	4.000	4.400
----- DAY#24 -----					
AIRTEMP	24	25.242	0.221	25.000	25.700
SEATEMP	24	25.587	0.088	25.500	25.800
WINDSPED	24	6.978	1.218	4.400	8.500
SIGWVHT	24	0.912	0.118	0.700	1.100
AVWVPR	24	4.283	0.218	3.900	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 MAY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	24.721	1.090	21.000	26.600
SEATEMP	24	25.450	0.085	25.400	25.600
WINDSPED	24	7.255	1.783	3.100	13.200
SIGWVHT	24	1.042	0.183	0.600	1.600
AYWVPR	24	4.350	0.204	3.800	4.600
----- DAY:26 -----					
AIRTEMP	24	25.779	1.190	24.500	27.600
SEATEMP	24	26.200	1.146	25.400	28.600
WINDSPED	23	3.081	2.637	0.100	7.400
SIGWVHT	24	0.871	0.189	0.600	1.200
AYWVPR	24	4.542	0.243	4.400	5.100
----- DAY:27 -----					
AIRTEMP	22	25.405	0.465	25.000	27.000
SEATEMP	22	25.077	0.435	25.600	27.300
WINDSPED	22	3.223	1.047	1.000	4.600
SIGWVHT	22	0.823	0.148	0.400	0.900
AYWVPR	22	5.214	0.402	4.400	5.700
----- DAY:28 -----					
AIRTEMP	24	25.950	0.328	25.500	26.500
SEATEMP	24	25.125	0.328	25.700	25.700
WINDSPED	24	4.825	0.652	3.800	5.800
SIGWVHT	24	0.521	0.088	0.400	0.700
AYWVPR	24	3.929	0.171	3.600	4.300
----- DAY:29 -----					
AIRTEMP	23	24.185	0.233	25.400	24.600
SEATEMP	23	24.178	0.173	25.900	25.600
WINDSPED	23	5.422	0.879	5.600	7.900
SIGWVHT	23	0.783	0.158	0.400	1.000
AYWVPR	23	4.000	0.308	3.800	4.400
----- DAY:30 -----					
AIRTEMP	24	25.233	0.185	25.000	25.800
SEATEMP	24	25.162	0.147	25.000	25.500
WINDSPED	24	5.082	1.777	2.800	8.300
SIGWVHT	24	1.157	0.113	1.000	1.300
AYWVPR	24	4.737	0.315	4.200	5.400

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:31 -----					
AIRTEMP	24	25.882	0.889	23.400	26.500
SEATEMP	24	26.212	0.170	25.100	26.600
WINDSPED	24	5.186	1.381	2.600	7.900
SIGWVHT	24	1.025	0.142	0.700	1.400
AYWVPR	24	4.686	0.187	4.400	4.900

Table 3 (continue)

42002 JUNE 1981

MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 JUNE 1961

Table 1

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BAROMTR BAROMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRG WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 ATWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	718	27.572	0.642	22.400	28.600	6.200	-1.588	5.664
SEATEMP	718	27.876	0.748	25.200	29.900	4.700	-0.348	-0.396
BAROMTR	718	1014.419	2.834	1006.800	1020.000	13.200	-0.188	-0.819
WINDSPED	717	5.926	2.562	0.600	12.600	11.900	0.402	-0.739
WINDDRG	718	111.810	28.425	3.300	328.700	325.400	0.181	5.633
SIGWVHT	718	1.136	0.660	0.300	2.900	2.600	0.738	-0.531
ATWVPR	716	4.912	0.617	3.400	7.300	3.900	0.047	-0.873

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 JUNE 1961  
 PERCENTAGE BAR CHART

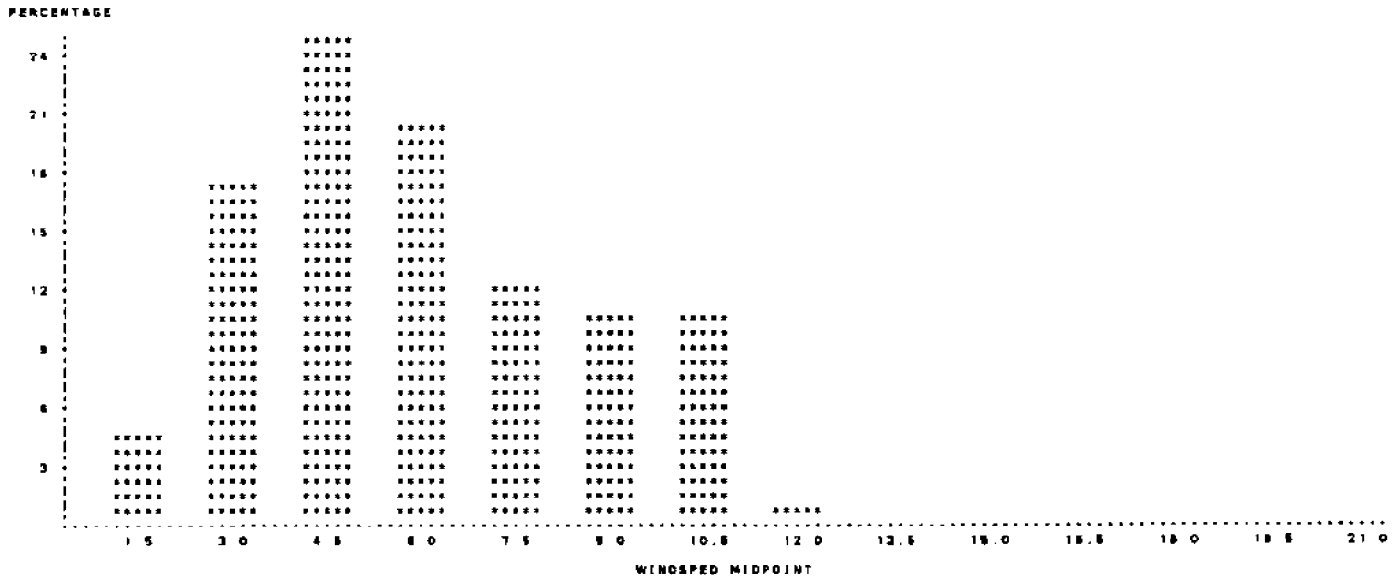


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUDY #42002 JUNE 1981

PERCENTAGE BAR CHART

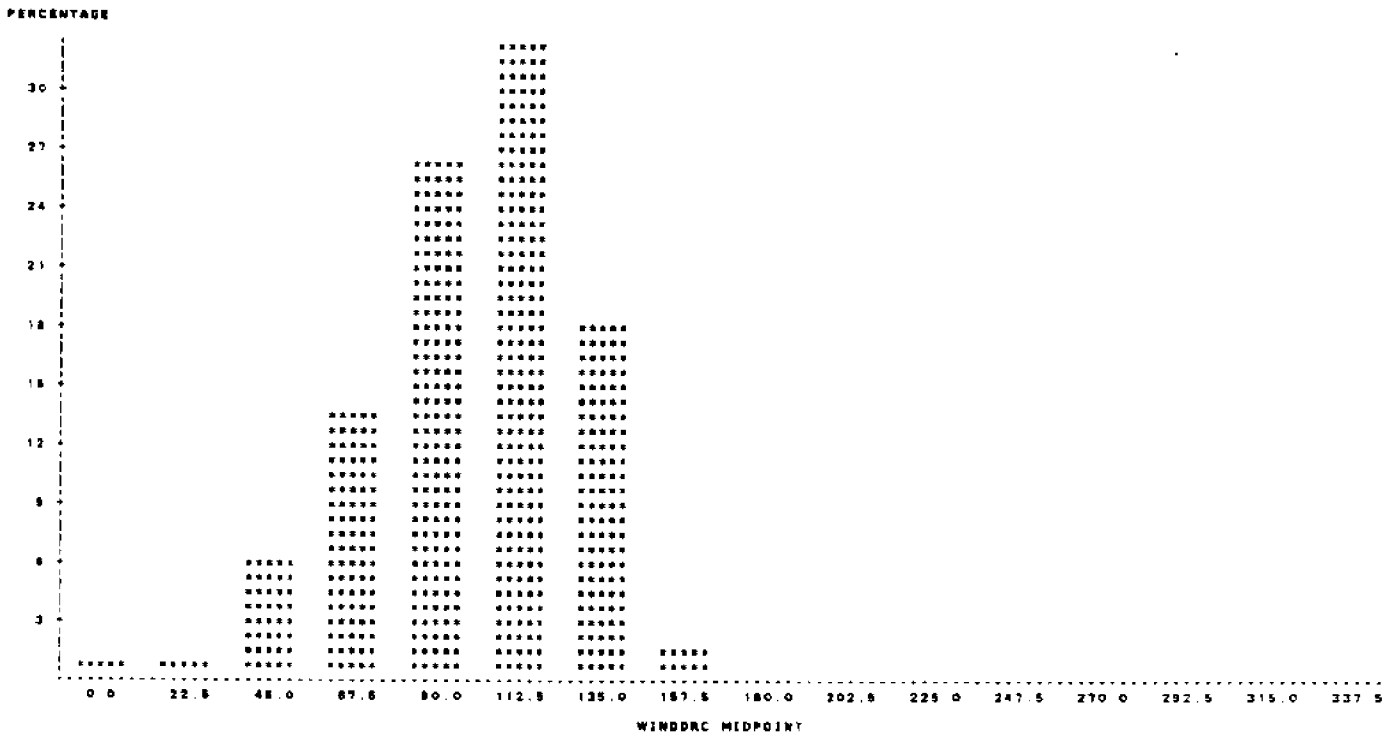


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUDY #42002 JUNE 1981

PERCENTAGE BAR CHART

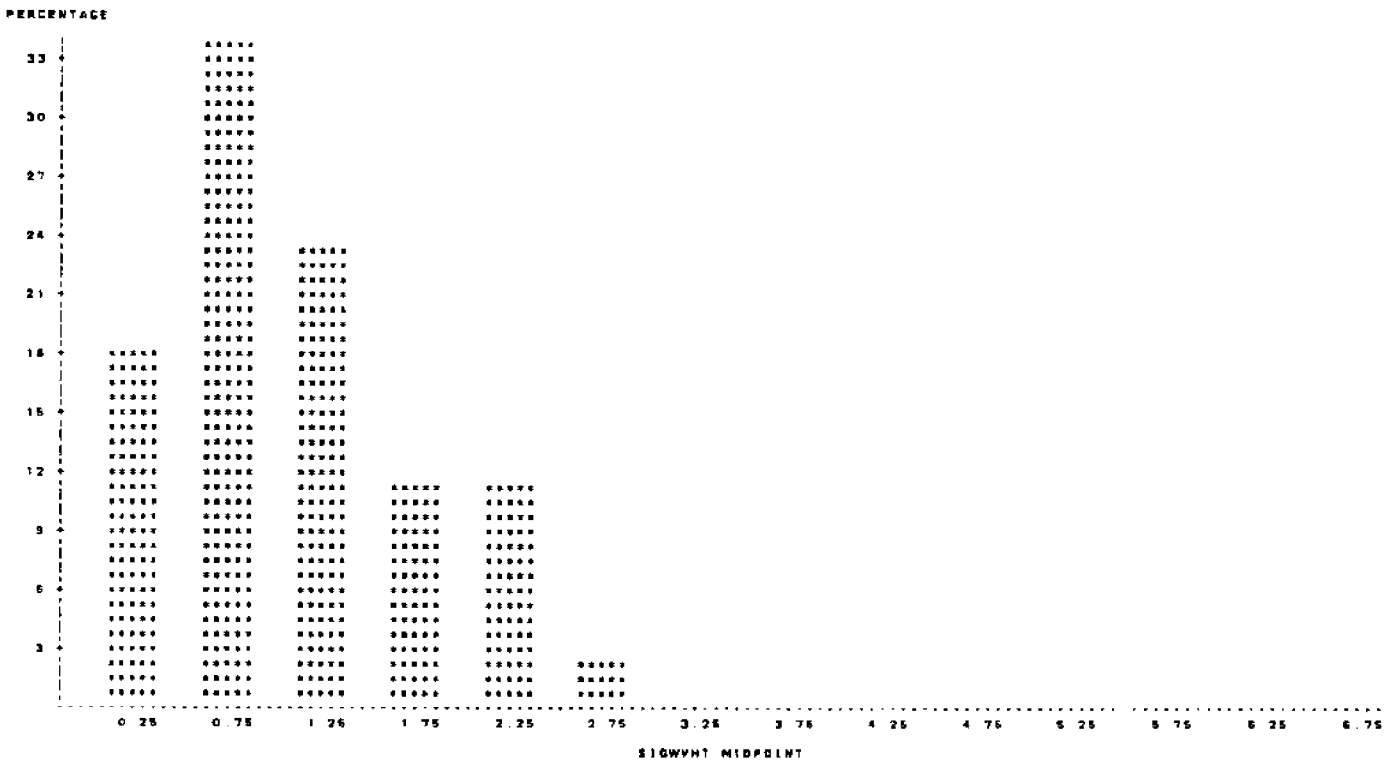


Fig. 3



HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 STUDY #42002 JUNE 1981

PERCENTAGE BAR CHART

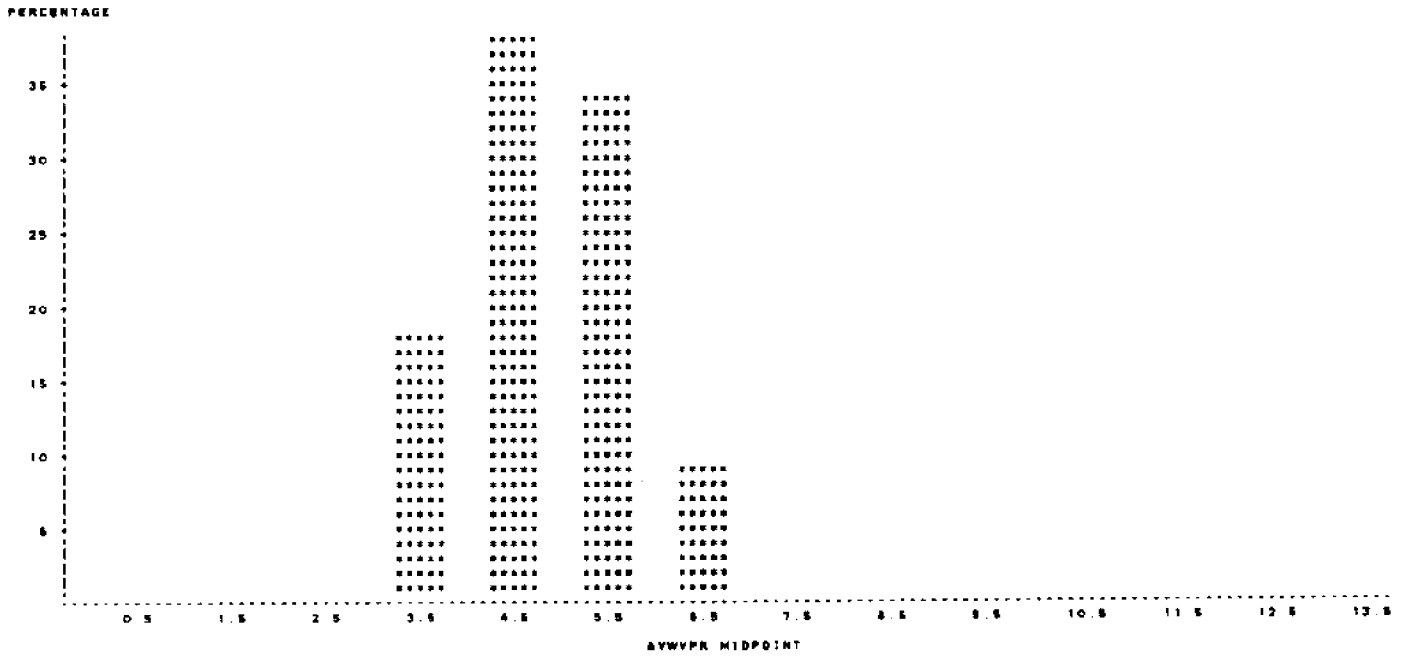


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 STUDY #42002 JUNE 1981

TABLE OF AWVPR BY SIGNHT

AWVPR	SIGNHT						TOTAL
FREQUENCY PERCENT ROW PCT COL PCT	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	
<=4.0	0	2	0	0	0	0	132 18.84
<=5.0	78 11.03 88.88 81.72	83 7.40 40.18 21.90	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	274 38.27
<=6.0	47 6.55 17.18 36.72	180 22.38 64.38 88.12	83 8.60 22.88 27.28	4 0.56 1.48 5.06	0 0.00 0.00 0.00	0 0.00 0.00 0.00	241 33.68
<=7.0	2 0.28 0.83 1.56	28 3.91 11.82 11.87	81 12.71 37.78 83.88	70 9.78 22.08 88.81	48 6.64 20.33 88.04	1 0.14 0.41 6.87	88 9.50
<=8.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.14 100.00 0.58	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.14
TOTAL	128 17.86	242 33.80	188 23.80	78 11.03	83 11.58	18 2.09	718 100.00

Table 2

DAILY STATISTICS  
 BUOY #42002 JUNE 1961

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY #1 -----					
AIRTEMP	24	26.378	0.412	25.800	27.200
SEATEMP	24	26.478	0.343	26.200	27.200
WINDSPED	24	4.880	0.718	3.200	6.700
SIGWVHT	24	0.717	0.078	0.800	0.800
AVWVPR	24	4.633	0.287	4.100	4.900
----- DAY #2 -----					
AIRTEMP	24	26.787	0.217	26.500	27.100
SEATEMP	24	26.787	0.126	26.600	27.000
WINDSPED	24	5.404	1.500	2.800	6.100
SIGWVHT	24	0.871	0.208	0.800	1.200
AVWVPR	24	4.242	0.238	4.000	4.800
----- DAY #3 -----					
AIRTEMP	24	26.821	0.211	26.800	27.200
SEATEMP	24	26.821	0.061	26.700	26.900
WINDSPED	24	6.325	1.240	4.800	8.800
SIGWVHT	24	1.242	0.110	1.000	1.400
AVWVPR	24	5.048	0.301	4.800	5.700
----- DAY #4 -----					
AIRTEMP	24	26.082	1.083	23.400	26.900
SEATEMP	24	26.783	0.038	26.700	26.800
WINDSPED	24	8.864	1.744	6.300	12.800
SIGWVHT	24	1.775	0.404	1.300	2.400
AVWVPR	24	5.404	0.283	5.000	5.900
----- DAY #5 -----					
AIRTEMP	24	26.867	0.362	26.300	27.500
SEATEMP	24	26.654	0.287	26.800	27.400
WINDSPED	24	7.757	2.312	4.300	10.900
SIGWVHT	24	1.933	0.238	1.600	2.400
AVWVPR	24	5.850	0.189	5.800	6.200
----- DAY #6 -----					
AIRTEMP	24	27.104	0.506	26.800	27.900
SEATEMP	24	27.204	0.383	26.800	27.900
WINDSPED	24	4.882	2.777	1.200	7.900
SIGWVHT	24	1.108	0.260	0.700	1.800
AVWVPR	24	5.187	0.342	4.800	6.000

Table 3

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY #7 -----					
AIRTEMP	24	27.187	0.464	26.800	27.900
SEATEMP	24	27.425	0.421	26.900	28.100
WINDSPED	24	4.875	1.890	1.800	8.800
SIGWVHT	24	0.787	0.076	0.800	0.900
AVWVPR	24	4.717	0.237	4.300	5.300
----- DAY #8 -----					
AIRTEMP	24	27.386	0.471	26.700	28.300
SEATEMP	24	27.748	0.348	27.800	28.400
WINDSPED	24	3.704	0.811	2.800	5.200
SIGWVHT	24	0.987	0.084	0.800	0.700
AVWVPR	24	4.567	0.401	4.000	5.400
----- DAY #9 -----					
AIRTEMP	24	27.792	0.288	27.400	28.300
SEATEMP	24	27.982	0.260	27.800	28.300
WINDSPED	24	5.483	1.267	2.800	7.700
SIGWVHT	24	0.708	0.114	0.800	0.800
AVWVPR	24	4.378	0.544	3.800	5.800
----- DAY #10 -----					
AIRTEMP	24	27.962	0.278	27.800	28.400
SEATEMP	24	27.908	0.228	27.800	28.200
WINDSPED	24	7.467	1.583	5.500	10.500
SIGWVHT	24	1.242	0.186	0.800	1.800
AVWVPR	24	4.908	0.188	4.800	5.200
----- DAY #11 -----					
AIRTEMP	24	27.933	0.178	27.700	28.200
SEATEMP	24	27.878	0.103	27.800	28.100
WINDSPED	24	8.842	0.922	7.300	10.700
SIGWVHT	24	1.888	0.189	1.300	2.000
AVWVPR	24	5.371	0.228	5.000	6.000
----- DAY #12 -----					
AIRTEMP	24	27.848	0.188	27.800	28.100
SEATEMP	24	27.892	0.028	27.800	27.800
WINDSPED	24	2.383	1.069	6.700	10.800
SIGWVHT	24	2.046	0.254	1.700	2.600
AVWVPR	24	5.737	0.323	5.200	6.300

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 JUNE 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	27.558	0.132	27.700	28.100
SEATEMP	24	27.578	0.098	27.700	28.000
WINDSPED	24	10.287	1.033	7.800	12.100
SIGWYHT	24	2.404	0.173	2.100	2.800
AVWVPR	24	8.182	0.214	8.800	8.800
----- DAY#14 -----					
AIRTEMP	24	27.882	0.150	27.800	28.100
SEATEMP	24	27.792	0.254	27.800	28.300
WINDSPED	24	10.388	0.488	9.800	11.200
SIGWYHT	24	2.483	0.186	2.200	2.900
AVWVPR	24	8.217	0.144	8.800	8.400
----- DAY#15 -----					
AIRTEMP	22	27.984	0.150	27.700	28.200
SEATEMP	22	28.100	0.098	28.000	28.300
WINDSPED	22	9.714	0.856	8.700	10.700
SIGWYHT	22	2.180	0.154	1.900	2.900
AVWVPR	22	8.882	0.184	8.400	8.300
----- DAY#16 -----					
AIRTEMP	24	27.800	0.135	27.800	28.000
SEATEMP	24	28.108	0.110	28.000	28.300
WINDSPED	24	8.204	1.287	6.000	10.800
SIGWYHT	24	1.883	0.179	1.800	2.100
AVWVPR	24	8.784	0.284	8.300	8.300
----- DAY#17 -----					
AIRTEMP	24	27.928	0.275	27.000	28.000
SEATEMP	24	28.148	0.135	28.000	28.400
WINDSPED	24	8.982	0.776	8.800	7.800
SIGWYHT	24	1.271	0.133	1.100	1.800
AVWVPR	24	8.325	0.128	8.000	8.800
----- DAY#18 -----					
AIRTEMP	24	27.482	0.383	27.000	28.000
SEATEMP	24	28.042	0.359	27.700	28.800
WINDSPED	24	3.775	1.220	2.000	5.700
SIGWYHT	24	1.233	0.161	0.900	1.800
AVWVPR	24	8.888	0.882	8.100	7.300

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#18 -----					
AIRTEMP	24	27.317	0.314	28.800	27.800
SEATEMP	24	28.121	0.282	27.700	28.800
WINDSPED	24	3.128	1.117	0.800	5.200
SIGWYHT	24	0.882	0.265	0.400	1.300
AVWVPR	24	8.382	0.818	4.800	8.800
----- DAY#20 -----					
AIRTEMP	24	27.682	0.454	27.200	28.400
SEATEMP	24	28.242	0.238	27.800	28.700
WINDSPED	23	3.882	0.878	1.500	4.800
SIGWYHT	24	0.412	0.054	0.300	0.500
AVWVPR	24	4.050	0.376	3.800	4.800
----- DAY#21 -----					
AIRTEMP	24	27.975	0.328	27.500	28.800
SEATEMP	24	28.337	0.357	27.800	28.100
WINDSPED	24	3.808	0.828	2.800	5.100
SIGWYHT	24	0.333	0.048	0.300	0.400
AVWVPR	24	3.525	0.107	3.400	3.700
----- DAY#22 -----					
AIRTEMP	24	27.987	0.257	27.500	28.800
SEATEMP	24	28.528	0.245	28.300	28.000
WINDSPED	24	4.828	1.364	3.100	7.400
SIGWYHT	24	0.882	0.110	0.400	0.800
AVWVPR	24	3.808	0.284	3.500	4.800
----- DAY#23 -----					
AIRTEMP	24	28.043	0.235	27.700	28.800
SEATEMP	24	28.884	0.186	28.300	28.800
WINDSPED	24	5.821	0.480	4.700	7.200
SIGWYHT	24	0.900	0.227	0.800	1.200
AVWVPR	24	4.308	0.684	3.800	5.100
----- DAY#24 -----					
AIRTEMP	24	27.884	0.388	27.100	28.400
SEATEMP	24	28.433	0.238	28.100	28.800
WINDSPED	24	5.887	0.959	3.800	7.900
SIGWYHT	24	1.178	0.111	1.000	1.300
AVWVPR	24	8.082	0.282	4.800	8.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 JUNE 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	23.042	0.221	21.500	25.500
SEATEMP	24	24.534	0.221	23.300	25.800
WINDSPED	24	3.067	0.843	3.800	5.700
SIGWVHT	24	0.983	0.188	0.500	1.400
AVWVPR	22	4.764	0.282	4.400	5.400
----- DAY#26 -----					
AIRTEMP	24	27.783	0.387	27.100	28.400
SEATEMP	24	28.637	0.376	28.500	28.800
WINDSPED	24	2.728	0.794	1.000	4.500
SIGWVHT	24	0.637	0.113	0.500	0.800
AVWVPR	24	4.582	0.128	4.400	4.800
----- DAY#27 -----					
AIRTEMP	24	27.804	0.487	26.500	28.500
SEATEMP	24	28.037	0.606	28.500	28.900
WINDSPED	24	2.873	1.033	1.300	5.800
SIGWVHT	24	0.446	0.083	0.300	0.800
AVWVPR	24	4.300	0.250	3.800	4.700
----- DAY#28 -----					
AIRTEMP	24	28.000	0.328	27.500	28.600
SEATEMP	24	28.887	0.314	28.500	29.500
WINDSPED	24	4.825	0.822	2.500	6.000
SIGWVHT	24	0.480	0.088	0.300	0.600
AVWVPR	24	3.787	0.179	3.500	4.200
----- DAY#29 -----					
AIRTEMP	24	26.148	0.280	27.700	28.500
SEATEMP	24	28.028	0.132	28.800	28.300
WINDSPED	24	4.852	0.618	3.700	5.200
SIGWVHT	24	0.532	0.058	0.500	0.700
AVWVPR	24	3.842	0.217	3.800	4.200
----- DAY#30 -----					
AIRTEMP	24	28.082	0.344	27.100	28.600
SEATEMP	24	28.800	0.215	28.500	29.200
WINDSPED	24	4.100	1.224	0.500	5.700
SIGWVHT	24	0.782	0.273	0.500	1.300
AVWVPR	24	4.386	0.812	3.600	5.800

Table 3 (continue)

42002 JULY 1981

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 JULY 1961

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKWENESS	KURTOSIS
AIRTEMP	742	28.818	0.724	22.000	31.000	8.000	-1.454	5.076
SEATEMP	742	28.580	0.607	25.800	31.900	3.300	0.770	0.561
BAROMTR	743	1017.041	1.809	1012.300	1021.700	8.400	0.273	-0.207
WINDSPD	741	4.312	2.220	0.100	11.800	11.800	0.844	-0.321
WINDDIR	742	128.642	58.821	1.100	354.800	357.900	1.588	4.282
SIGWVHT	742	0.576	0.434	0.100	1.900	1.800	0.984	-0.141
AVWYPR	743	4.270	0.649	2.900	8.600	3.900	0.451	0.104

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 JULY 1961  
 PERCENTAGE BAR CHART

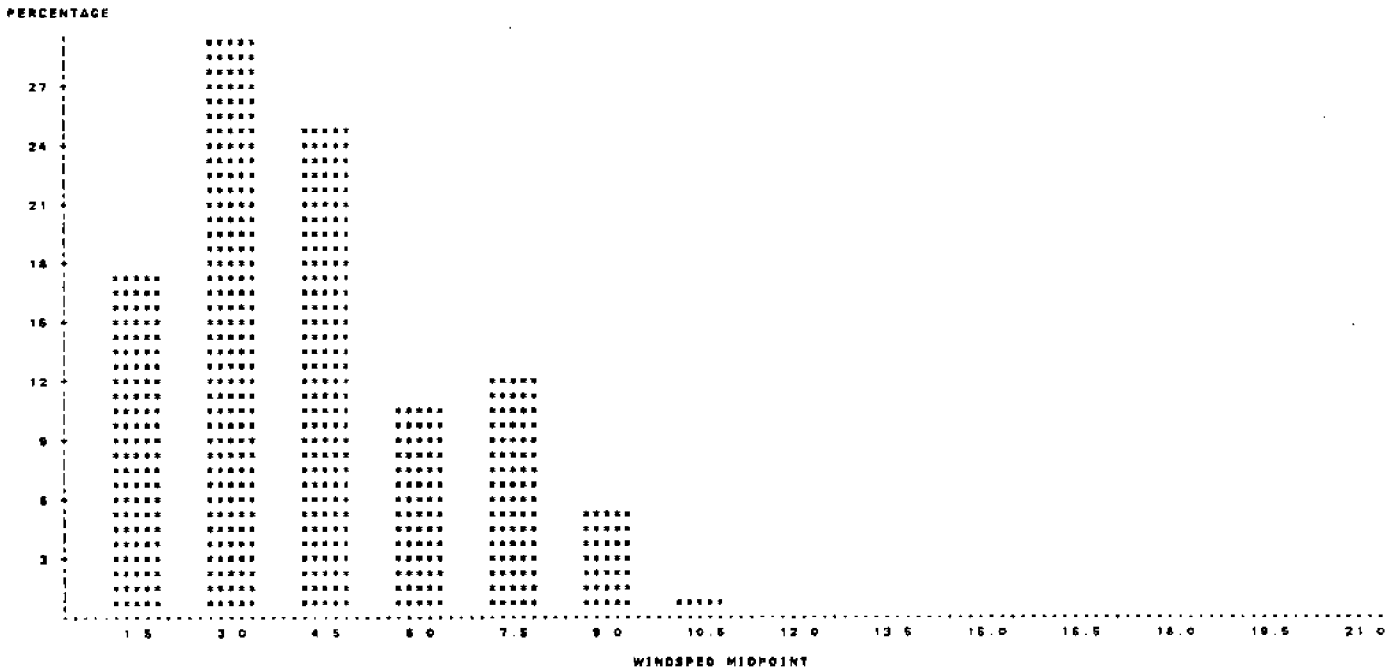


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 JULY 1981

PERCENTAGE BAR CHART

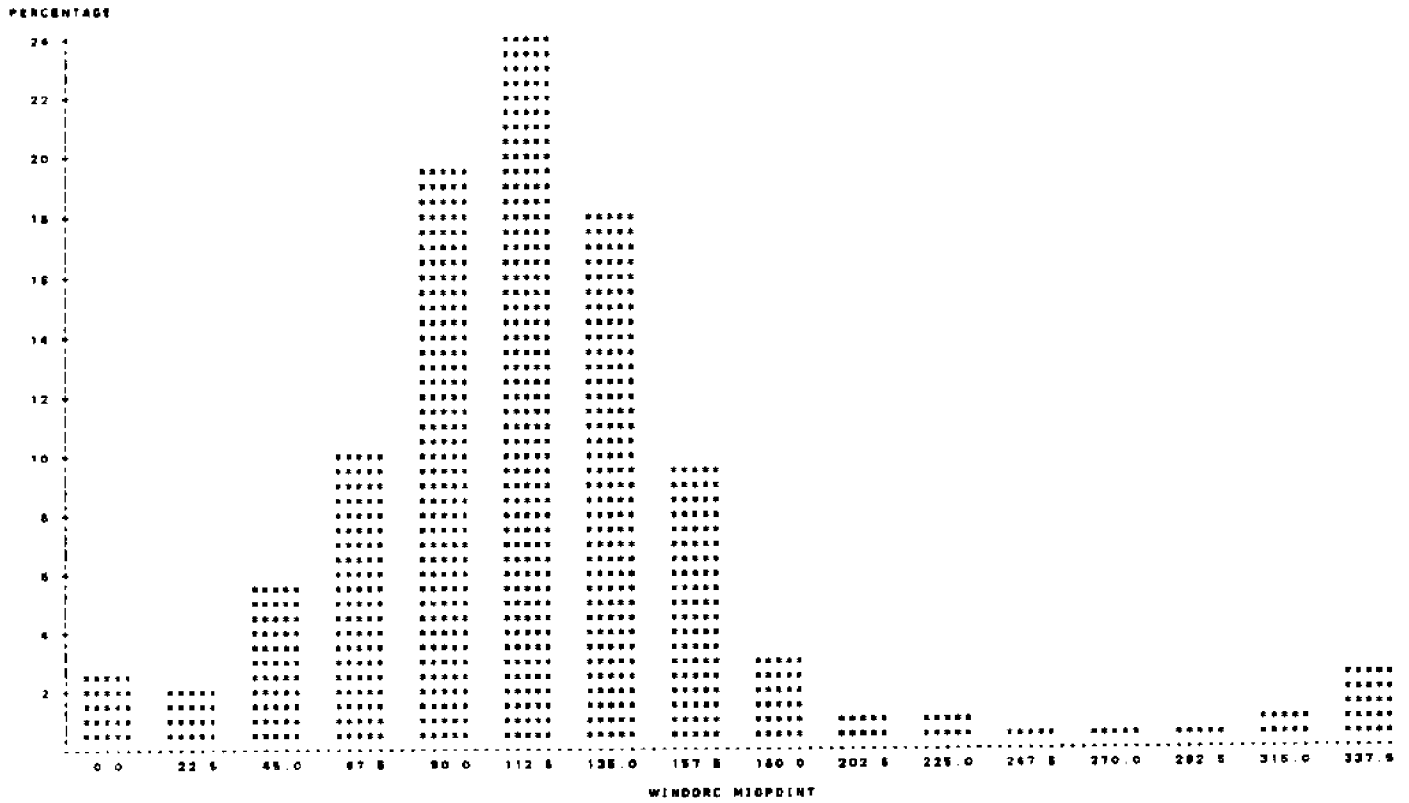


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 JULY 1981

PERCENTAGE BAR CHART

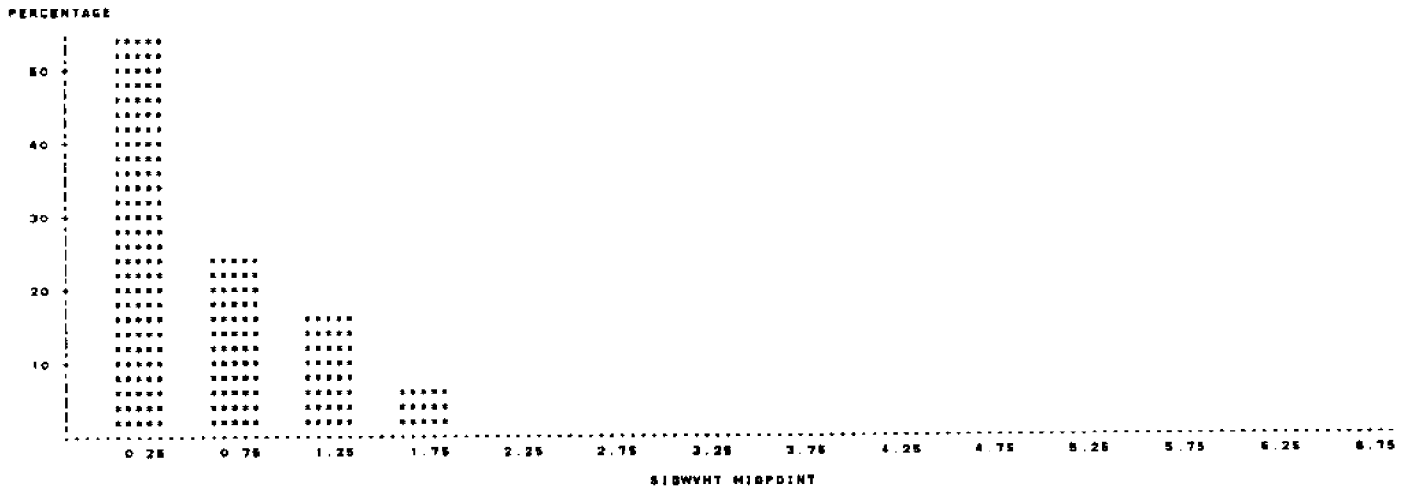


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD [SEC]  
 BUOY #42002 JULY 1981

PERCENTAGE BAR CHART

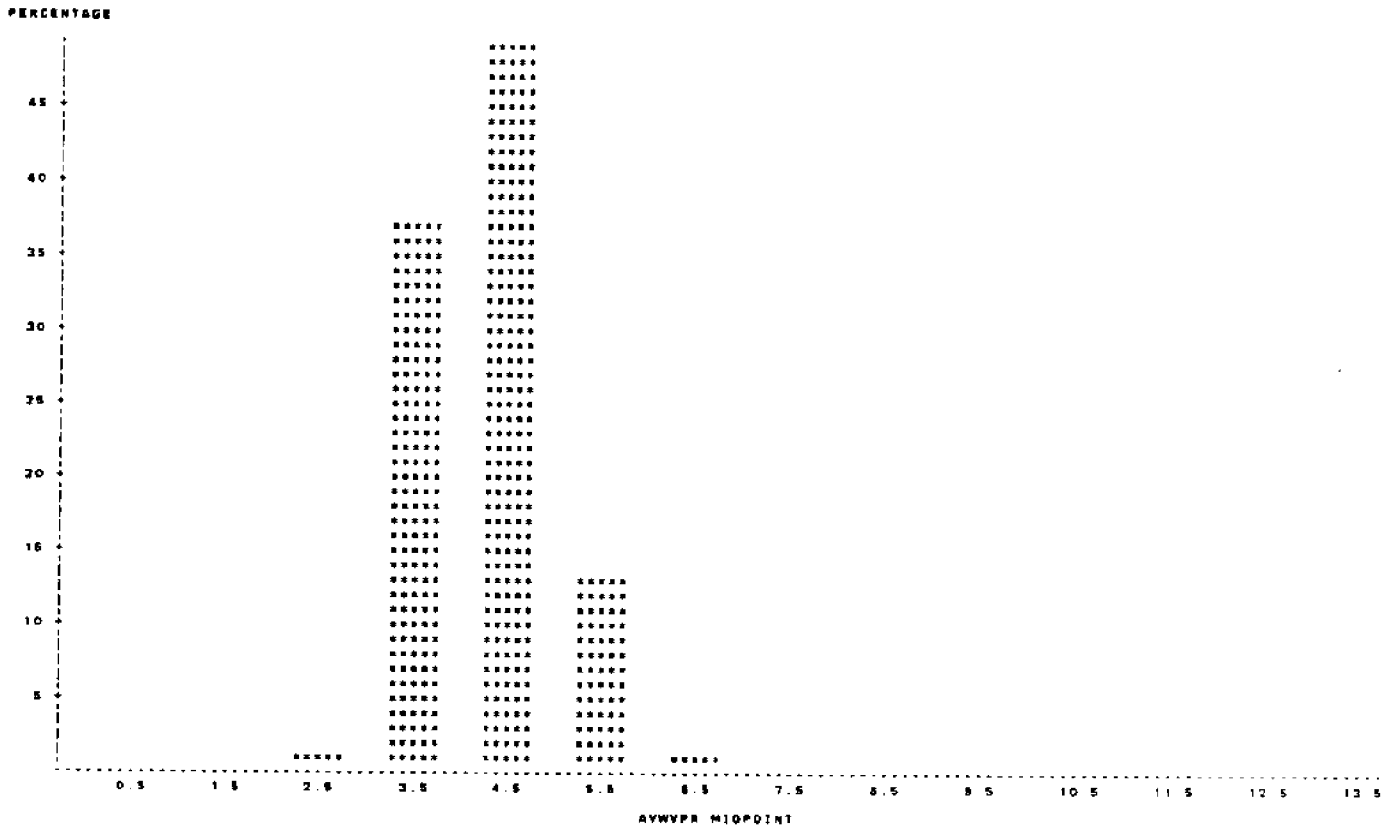


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 JULY 1981

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT				TOTAL
FREQUENCY PERCENT RDW PCT CDL PCT	<=1.0	<=1.0	<=1.5	<=2.0	
<=3.0	4 0.54 100.00 0.89	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	4 0.54
<=4.0	255 34.32 82.73 52.12	20 2.58 7.27 11.25	0 0.00 0.00 0.00	0 0.00 0.00 0.00	275 37.01
<=5.0	144 18.38 39.78 35.64	125 16.85 34.81 71.58	42 11.04 22.85 55.60	10 1.35 2.76 25.32	362 48.72
<=6.0	1 0.13 1.05 0.25	28 3.50 30.53 18.44	37 4.86 38.85 25.80	24 3.17 28.47 73.88	68 9.01
<=7.0	0 0.00 0.00 0.00	1 0.13 14.28 0.67	5 0.61 55.71 4.80	0 0.00 0.00 0.00	7 0.94
TOTAL	404 54.37	176 23.68	125 16.82	38 5.11	742 100.00

Table 2



DAILY STATISTICS  
 STUDY #42002 JULY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:1 -----					
AIRTEMP	24	28.050	0.281	27.500	28.500
SEATEMP	24	28.942	0.317	28.700	29.400
WINDSPED	24	3.750	1.040	1.500	5.400
SIGWVHT	24	1.082	0.174	0.500	1.400
AVWVPR	24	5.471	0.388	5.000	5.300
----- DAY:2 -----					
AIRTEMP	24	27.878	0.436	27.200	28.500
SEATEMP	24	28.004	0.393	28.400	29.500
WINDSPED	24	3.112	1.861	1.700	5.000
SIGWVHT	24	0.848	0.228	0.500	1.400
AVWVPR	24	5.600	0.503	5.100	5.800
----- DAY:3 -----					
AIRTEMP	24	28.028	0.438	26.500	28.700
SEATEMP	24	28.142	0.388	28.500	29.600
WINDSPED	24	3.642	1.178	1.300	5.500
SIGWVHT	24	0.937	0.048	0.500	0.800
AVWVPR	24	4.583	0.353	4.100	5.500
----- DAY:4 -----					
AIRTEMP	24	28.021	0.483	27.100	28.700
SEATEMP	24	29.075	0.218	28.500	29.500
WINDSPED	24	5.362	1.433	2.500	7.900
SIGWVHT	24	0.780	0.132	0.500	1.000
AVWVPR	24	4.312	0.128	4.100	4.500
----- DAY:5 -----					
AIRTEMP	24	28.876	0.360	28.000	29.100
SEATEMP	24	28.028	0.128	28.800	29.300
WINDSPED	24	7.067	1.152	4.400	8.700
SIGWVHT	24	0.982	0.230	0.800	1.300
AVWVPR	24	4.337	0.188	4.000	4.700
----- DAY:6 -----					
AIRTEMP	24	28.504	0.348	27.500	28.000
SEATEMP	24	28.812	0.088	28.500	29.100
WINDSPED	24	4.188	0.864	3.500	5.100
SIGWVHT	24	1.448	0.110	1.200	1.700
AVWVPR	24	4.882	0.117	4.500	5.200

Table 3

DAILY STATISTICS  
 STUDY #42002 JULY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:7 -----					
AIRTEMP	24	28.421	0.281	27.500	29.000
SEATEMP	24	28.867	0.108	28.700	29.100
WINDSPED	24	6.028	0.688	5.500	6.400
SIGWVHT	24	1.567	0.133	1.300	1.800
AVWVPR	24	5.188	0.144	4.900	5.400
----- DAY:8 -----					
AIRTEMP	24	28.804	0.285	28.200	29.000
SEATEMP	24	28.939	0.218	28.700	29.400
WINDSPED	24	6.433	1.535	3.700	8.100
SIGWVHT	24	1.283	0.109	1.100	1.500
AVWVPR	24	4.982	0.205	4.700	5.500
----- DAY:9 -----					
AIRTEMP	24	28.433	0.488	27.200	29.000
SEATEMP	24	28.033	0.285	28.500	29.500
WINDSPED	24	4.482	0.918	3.000	5.500
SIGWVHT	24	0.804	0.188	0.500	1.100
AVWVPR	24	4.583	0.212	4.100	4.900
----- DAY:10 -----					
AIRTEMP	24	28.582	0.484	27.800	29.400
SEATEMP	24	28.128	0.388	28.500	29.500
WINDSPED	24	3.283	1.898	0.200	5.500
SIGWVHT	24	0.804	0.183	0.500	0.800
AVWVPR	24	4.217	0.288	3.700	4.600
----- DAY:11 -----					
AIRTEMP	24	28.704	0.800	27.500	31.000
SEATEMP	24	29.675	0.503	29.000	31.500
WINDSPED	24	1.837	1.344	0.100	4.700
SIGWVHT	24	0.433	0.101	0.300	0.600
AVWVPR	24	4.212	0.211	3.500	4.500
----- DAY:12 -----					
AIRTEMP	23	28.617	0.788	28.300	29.100
SEATEMP	23	29.809	0.588	29.000	30.400
WINDSPED	23	3.113	1.348	0.500	5.200
SIGWVHT	23	0.382	0.051	0.300	0.400
AVWVPR	23	3.704	0.388	3.300	4.400

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 JULY 1961

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:13 -----					
AIRTEMP	24	28.748	0.215	28.400	29.200
SEATEMP	24	29.421	0.270	28.100	29.800
WINDSPED	24	4.850	1.830	2.100	7.300
SIGWVHT	24	0.828	0.183	0.300	0.900
AVWVPR	24	3.948	0.411	3.300	4.700
----- DAY:14 -----					
AIRTEMP	24	28.812	0.385	28.000	29.000
SEATEMP	24	28.800	0.401	28.100	30.400
WINDSPED	24	3.888	1.387	1.800	6.100
SIGWVHT	24	0.882	0.106	0.400	0.700
AVWVPR	24	4.283	0.181	4.000	4.800
----- DAY:15 -----					
AIRTEMP	24	28.828	0.344	28.000	29.100
SEATEMP	24	29.858	0.422	28.100	30.800
WINDSPED	24	2.728	1.051	0.900	4.100
SIGWVHT	24	0.363	0.048	0.300	0.600
AVWVPR	24	4.386	0.183	4.200	4.800
----- DAY:16 -----					
AIRTEMP	24	28.887	0.301	28.100	29.100
SEATEMP	24	29.882	0.324	28.100	30.100
WINDSPED	24	3.912	1.028	2.500	5.700
SIGWVHT	24	0.333	0.048	0.300	0.400
AVWVPR	24	3.812	0.240	3.400	4.200
----- DAY:17 -----					
AIRTEMP	24	28.704	0.330	28.000	29.200
SEATEMP	24	28.858	0.303	28.300	30.100
WINDSPED	23	3.883	0.722	3.000	6.400
SIGWVHT	24	0.346	0.056	0.200	0.400
AVWVPR	24	3.800	0.159	3.200	3.700
----- DAY:18 -----					
AIRTEMP	24	28.928	0.451	28.200	29.600
SEATEMP	24	29.788	0.483	28.300	30.600
WINDSPED	24	3.282	0.880	2.200	4.800
SIGWVHT	24	0.287	0.086	0.200	0.400
AVWVPR	24	3.833	0.178	3.300	3.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 JULY 1961

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:19 -----					
AIRTEMP	24	29.104	0.386	28.600	29.600
SEATEMP	24	29.887	0.478	29.400	30.700
WINDSPED	24	3.878	1.118	1.800	6.300
SIGWVHT	24	0.308	0.078	0.200	0.400
AVWVPR	24	3.862	0.238	3.200	3.900
----- DAY:20 -----					
AIRTEMP	24	28.887	0.821	27.000	29.700
SEATEMP	24	30.117	0.474	29.800	30.800
WINDSPED	24	3.408	1.808	1.700	6.200
SIGWVHT	24	0.371	0.048	0.300	0.400
AVWVPR	24	3.717	0.226	3.400	4.200
----- DAY:21 -----					
AIRTEMP	24	29.288	0.873	28.400	31.000
SEATEMP	24	30.387	0.888	29.700	31.900
WINDSPED	24	2.780	1.337	0.100	6.300
SIGWVHT	24	0.333	0.048	0.300	0.400
AVWVPR	24	3.817	0.109	3.700	4.200
----- DAY:22 -----					
AIRTEMP	24	29.083	0.841	28.800	30.800
SEATEMP	24	30.386	0.464	29.800	31.800
WINDSPED	24	1.892	1.007	0.700	4.400
SIGWVHT	24	0.364	0.081	0.300	0.400
AVWVPR	24	4.321	0.308	3.800	4.800
----- DAY:23 -----					
AIRTEMP	24	29.082	0.884	28.800	30.300
SEATEMP	24	30.212	0.431	29.800	31.000
WINDSPED	24	2.187	1.019	0.800	3.800
SIGWVHT	24	0.217	0.038	0.200	0.300
AVWVPR	24	4.080	0.318	3.300	4.500
----- DAY:24 -----					
AIRTEMP	24	28.442	1.222	28.000	29.800
SEATEMP	24	30.078	0.808	28.400	31.200
WINDSPED	24	3.288	1.386	0.800	6.400
SIGWVHT	24	0.317	0.082	0.200	0.400
AVWVPR	24	3.433	0.208	3.000	3.700

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 JULY 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY 25 -----					
AIRTEMP	24	28.248	1.075	25.700	29.400
SEATEMP	24	28.837	0.278	28.500	30.800
WINDSPED	24	6.878	1.948	2.300	10.100
SIGWVHT	24	0.837	0.834	0.100	1.800
AVWVPR	24	4.083	0.818	2.500	8.800
----- DAY 26 -----					
AIRTEMP	23	28.263	0.884	26.800	29.300
SEATEMP	24	28.642	0.068	28.500	28.800
WINDSPED	24	8.194	1.818	5.500	11.800
SIGWVHT	24	1.833	0.171	1.300	1.900
AVWVPR	24	5.054	0.221	4.500	5.700
----- DAY 27 -----					
AIRTEMP	24	28.037	0.380	28.200	28.500
SEATEMP	24	28.729	0.201	28.500	30.100
WINDSPED	24	8.321	1.489	3.800	8.800
SIGWVHT	24	1.188	0.081	1.000	1.300
AVWVPR	24	4.733	0.181	4.500	5.000
----- DAY 28 -----					
AIRTEMP	24	29.028	0.292	28.800	29.800
SEATEMP	24	29.821	0.267	28.800	30.400
WINDSPED	24	4.846	1.512	2.500	7.100
SIGWVHT	24	0.787	0.115	0.800	1.000
AVWVPR	24	4.479	0.188	4.200	5.000
----- DAY 29 -----					
AIRTEMP	24	29.087	0.347	28.800	29.800
SEATEMP	24	30.080	0.528	28.800	31.100
WINDSPED	24	2.878	0.870	1.400	4.800
SIGWVHT	24	0.462	0.071	0.400	0.600
AVWVPR	24	8.298	0.173	4.100	4.700
----- DAY 30 -----					
AIRTEMP	24	29.288	0.478	28.800	30.800
SEATEMP	24	30.182	0.480	28.800	31.200
WINDSPED	23	2.886	1.882	0.300	6.500
SIGWVHT	24	0.346	0.051	0.300	0.400
AVWVPR	24	3.928	0.222	3.500	4.300

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY 31 -----					
AIRTEMP	24	27.812	1.828	23.000	29.100
SEATEMP	24	28.828	0.238	28.500	30.600
WINDSPED	24	4.254	1.382	1.000	8.000
SIGWVHT	24	0.287	0.054	0.200	0.400
AVWVPR	24	3.871	0.288	3.100	4.200

Table 3 (continue)

42002 AUGUST 1981

Table 1

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 AUGUST 1981  
 AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BAROMTR BAROMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDIRC WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 AYWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	742	29.007	0.804	24.500	31.500	7.100	-0.824	2.845
SEATEMP	742	30.484	0.836	28.400	32.500	3.400	1.357	2.338
BAROMTR	742	1018.336	2.458	1010.300	1022.000	11.700	0.451	-0.605
WINDSPED	724	3.627	2.187	0.100	11.500	11.400	0.650	0.024
WINDDIRC	742	127.274	68.991	3.300	357.500	354.300	1.015	1.748
SIGWVHT	742	0.547	0.368	0.100	1.500	1.700	1.380	1.106
AYWVPR	742	4.250	0.507	2.500	5.500	3.000	0.982	0.318

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 AUGUST 1981  
 PERCENTAGE BAR CHART

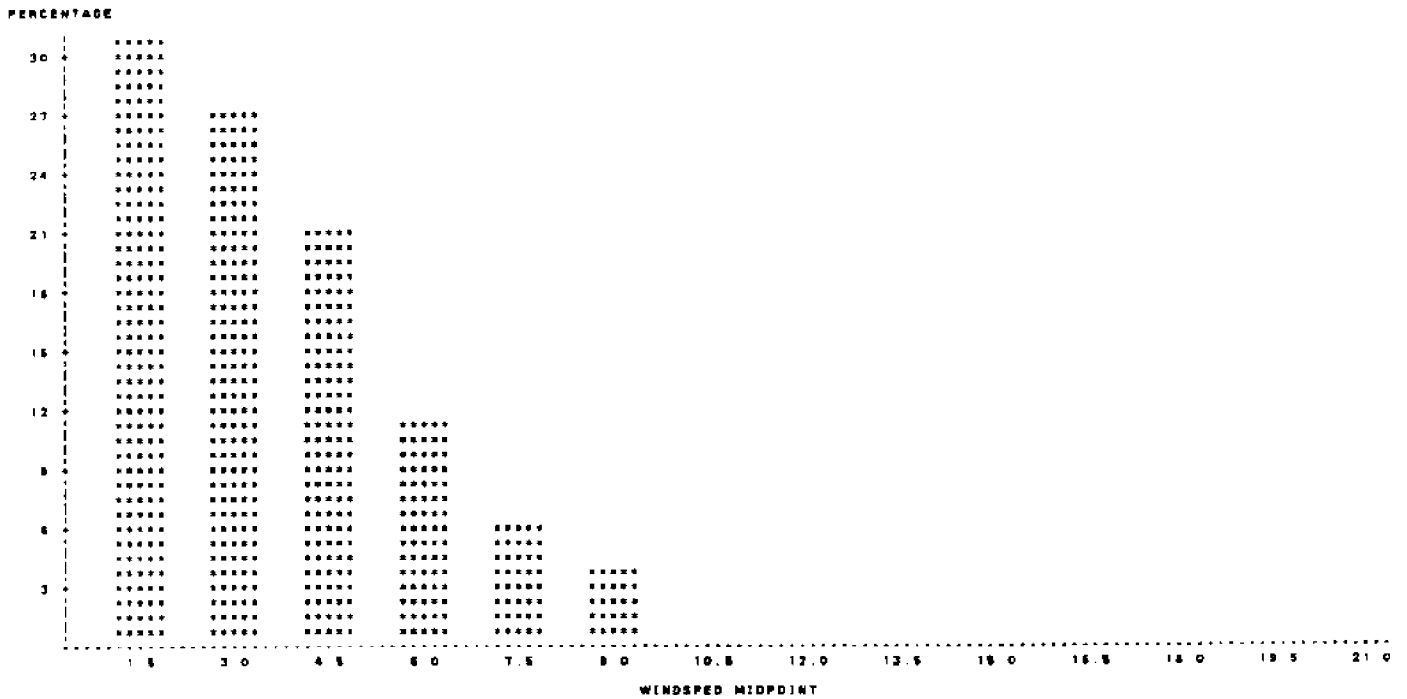


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #42002 AUGUST 1981

PERCENTAGE BAR CHART

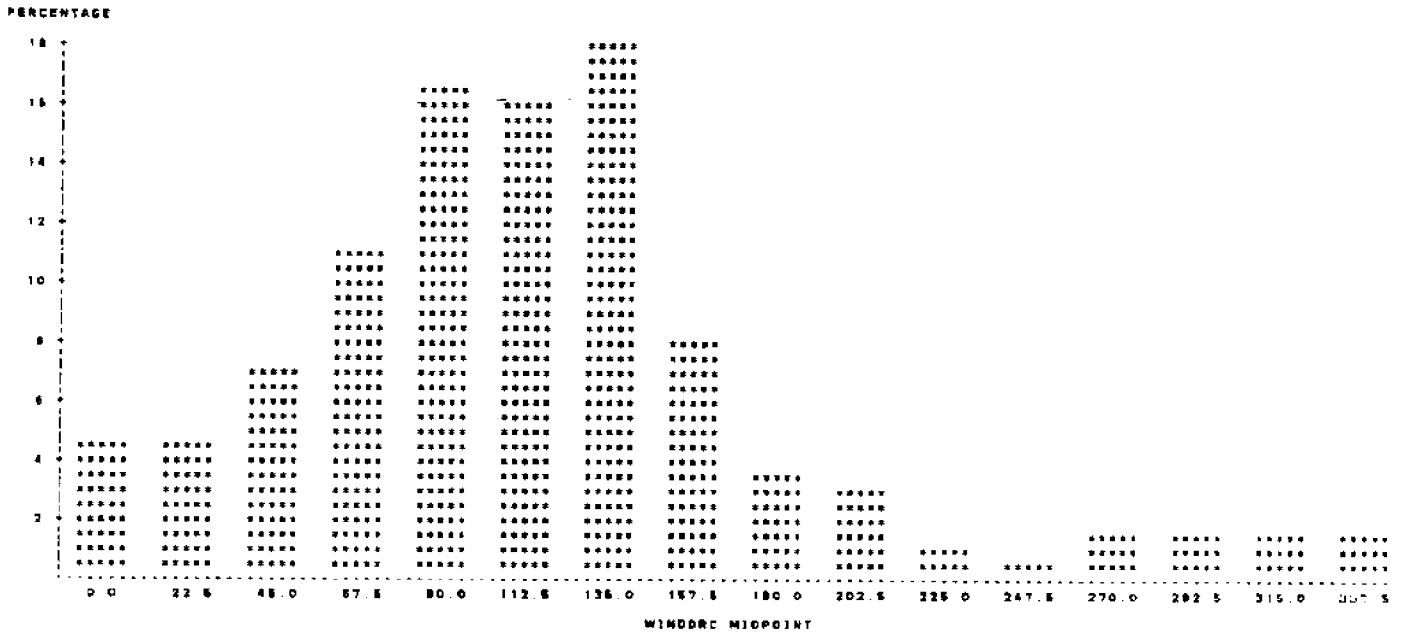


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 STUDY #42002 AUGUST 1981

PERCENTAGE BAR CHART

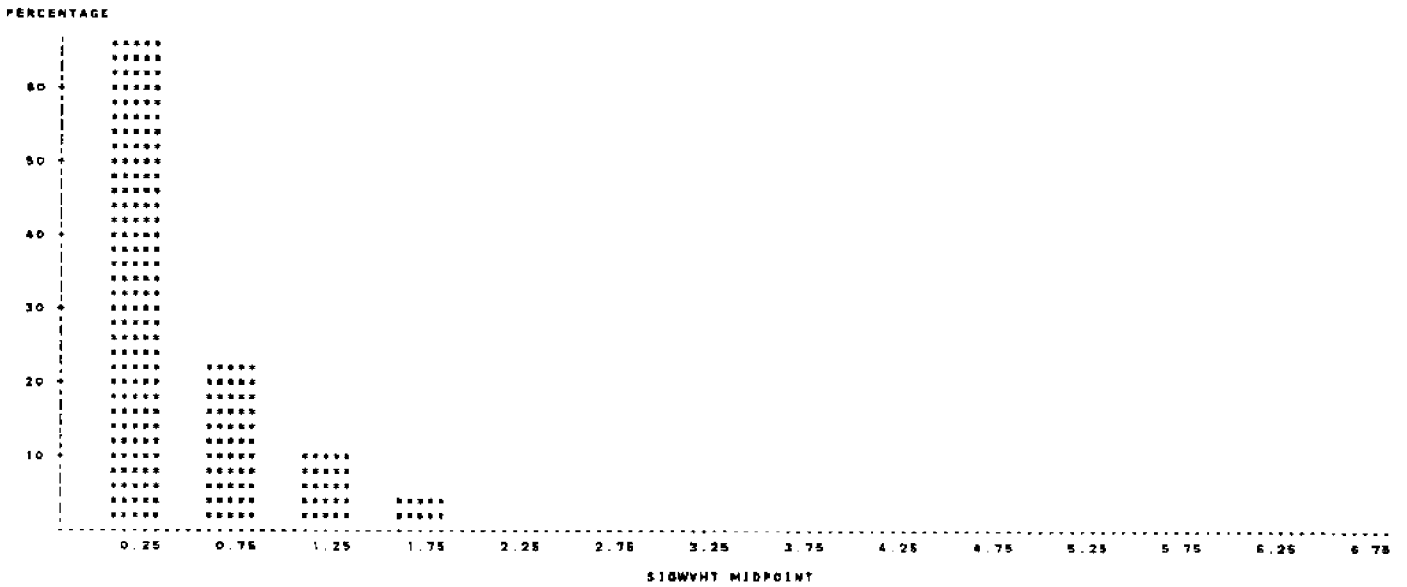


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUDY #42002 AUGUST 1981

PERCENTAGE BAR CHART

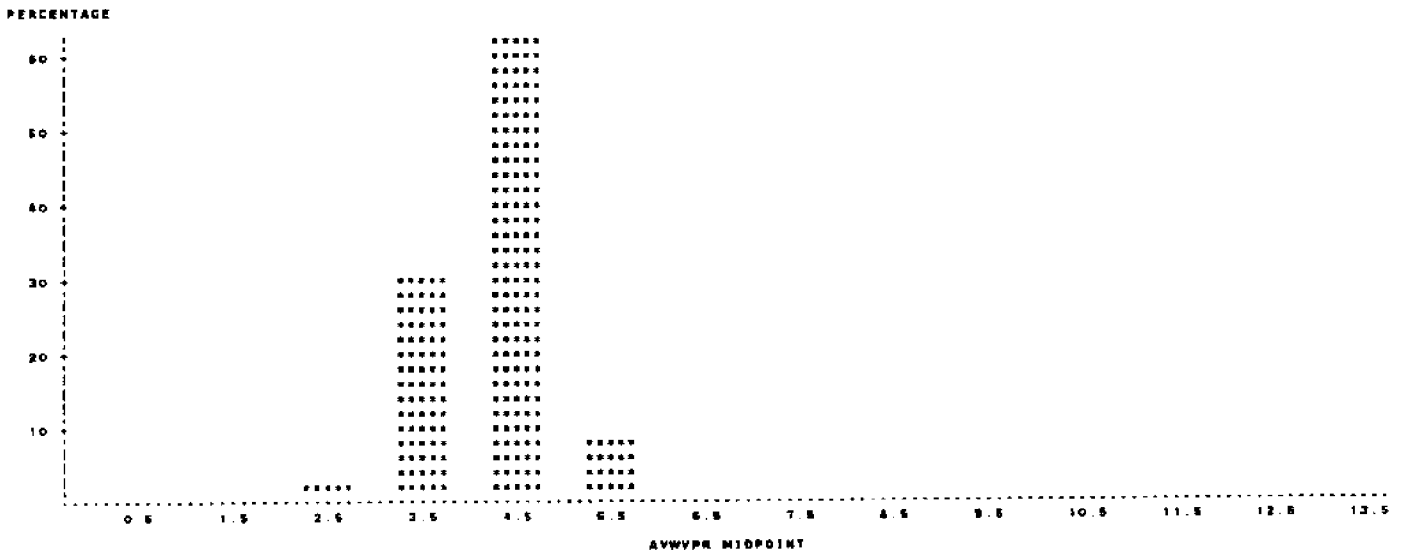


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUDY #42002 AUGUST 1981

TABLE BY AVWVPR BY SIGWHT

AVWVPR	SIGWHT				TOTAL
	<=10.5	<=11.0	<=11.5	<=12.0	
FREQUENCY					
PERCENT					
ROW PCT					
COL PCT					
<=3.0	8	0	0	0	8
	1.08	0.00	0.00	0.00	1.08
	100.00	0.00	0.00	0.00	
	1.88	0.00	0.00	0.00	
<=4.0	203	13	0	0	216
	27.33	1.78	0.00	0.00	29.11
	83.88	8.02	0.00	0.00	
	42.03	7.74	0.00	0.00	
<=5.0	259	156	47	8	483
	34.37	20.88	6.33	0.81	62.40
	86.08	33.44	10.18	1.30	
	52.80	52.28	70.15	25.00	
<=6.0	17	0	20	18	55
	2.28	0.00	2.70	2.43	7.41
	30.91	0.00	38.38	32.73	
	3.82	0.00	29.85	78.00	
TOTAL	483	168	67	24	742
	85.08	22.64	8.02	3.23	100.00

Table 2

DAILY STATISTICS  
BUDY #42002 AUGUST 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	28.762	1.414	28.800	31.400
SEATEMP	24	30.242	1.108	29.400	32.800
WINDSPED	22	1.488	0.888	0.100	3.200
SIGWVHT	24	0.264	0.051	0.200	0.300
AVWVPR	24	3.888	0.307	3.300	4.800
----- DAY#2 -----					
AIRTEMP	24	28.837	1.084	28.400	31.400
SEATEMP	24	30.812	0.820	29.800	32.300
WINDSPED	20	0.880	0.814	0.100	2.800
SIGWVHT	24	0.242	0.050	0.200	0.300
AVWVPR	24	4.078	0.128	3.800	4.300
----- DAY#3 -----					
AIRTEMP	24	28.212	0.530	28.800	31.000
SEATEMP	24	30.825	0.727	29.800	32.000
WINDSPED	24	2.888	1.088	0.200	4.400
SIGWVHT	24	0.278	0.041	0.200	0.300
AVWVPR	24	4.271	0.188	4.000	4.800
----- DAY#4 -----					
AIRTEMP	24	28.304	0.278	28.800	30.000
SEATEMP	24	30.200	0.277	29.800	30.800
WINDSPED	24	4.578	1.081	2.800	8.400
SIGWVHT	24	0.487	0.136	0.200	0.800
AVWVPR	24	3.783	0.263	3.300	4.200
----- DAY#5 -----					
AIRTEMP	24	28.371	0.351	28.700	30.100
SEATEMP	24	30.282	0.408	29.800	31.100
WINDSPED	24	3.282	0.825	2.100	8.200
SIGWVHT	24	0.517	0.038	0.500	0.800
AVWVPR	24	4.282	0.188	4.000	4.800
----- DAY#6 -----					
AIRTEMP	24	28.288	0.458	28.400	30.000
SEATEMP	24	30.825	0.624	30.000	31.900
WINDSPED	23	1.888	1.027	0.100	4.800
SIGWVHT	24	0.378	0.053	0.300	0.800
AVWVPR	24	4.433	0.148	4.000	4.800

Table 3

DAILY STATISTICS  
BUDY #42002 AUGUST 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	23	28.187	0.808	28.800	30.400
SEATEMP	23	30.881	0.480	30.200	31.800
WINDSPED	23	2.452	0.838	0.700	4.500
SIGWVHT	23	0.230	0.047	0.200	0.300
AVWVPR	23	4.030	0.212	3.800	4.300
----- DAY#8 -----					
AIRTEMP	24	28.828	0.822	27.800	30.400
SEATEMP	24	30.682	0.387	30.300	31.400
WINDSPED	24	2.978	1.842	0.600	7.000
SIGWVHT	24	0.287	0.084	0.200	0.400
AVWVPR	24	3.888	0.388	3.100	4.400
----- DAY#9 -----					
AIRTEMP	24	28.842	0.848	27.800	30.200
SEATEMP	24	30.812	0.288	30.200	31.300
WINDSPED	24	2.882	1.318	0.600	6.200
SIGWVHT	24	0.237	0.048	0.200	0.300
AVWVPR	24	3.837	0.284	3.200	4.100
----- DAY#10 -----					
AIRTEMP	24	28.388	0.810	27.800	31.800
SEATEMP	24	30.787	0.888	30.300	32.700
WINDSPED	23	2.381	1.233	0.400	8.000
SIGWVHT	24	0.208	0.080	0.100	0.300
AVWVPR	24	3.787	0.308	3.300	4.300
----- DAY#11 -----					
AIRTEMP	24	28.437	0.578	28.300	31.100
SEATEMP	24	30.712	0.431	30.300	31.800
WINDSPED	23	2.382	1.228	1.100	8.400
SIGWVHT	24	0.346	0.122	0.200	0.500
AVWVPR	24	3.800	0.388	3.200	4.400
----- DAY#12 -----					
AIRTEMP	24	28.888	0.518	27.300	29.800
SEATEMP	24	30.408	0.208	30.100	30.800
WINDSPED	24	8.433	0.788	3.700	8.800
SIGWVHT	24	0.787	0.173	0.400	1.000
AVWVPR	24	4.312	0.288	3.800	4.700

Table 3 (continue)



DAILY STATISTICS  
 BUOY #42002 AUGUST 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	28.488	0.566	28.000	29.800
SEATEMP	24	30.421	0.144	30.200	30.700
WINDSPED	24	5.067	1.328	1.500	7.200
SIGWYHT	24	0.787	0.090	0.500	0.800
AVWVPR	24	4.262	0.078	4.100	4.400
----- DAY#14 -----					
AIRTEMP	24	29.321	0.530	28.100	30.400
SEATEMP	24	30.825	0.874	30.100	32.100
WINDSPED	24	2.282	1.889	0.500	5.800
SIGWYHT	24	0.837	0.077	0.500	0.800
AVWVPR	24	4.325	0.148	4.000	4.500
----- DAY#15 -----					
AIRTEMP	24	29.400	0.517	27.800	30.400
SEATEMP	24	30.687	0.329	30.300	31.400
WINDSPED	22	2.835	1.298	0.300	5.000
SIGWYHT	24	0.298	0.048	0.200	0.500
AVWVPR	24	4.121	0.148	3.800	4.400
----- DAY#16 -----					
AIRTEMP	24	28.517	0.563	28.000	30.300
SEATEMP	24	30.771	0.612	30.300	32.200
WINDSPED	23	2.886	1.745	0.100	5.700
SIGWYHT	24	0.378	0.053	0.300	0.500
AVWVPR	24	3.948	0.288	3.500	4.400
----- DAY#17 -----					
AIRTEMP	24	29.358	0.324	28.800	30.100
SEATEMP	24	30.758	0.481	30.300	31.800
WINDSPED	24	2.642	0.842	0.500	3.800
SIGWYHT	24	0.287	0.048	0.200	0.300
AVWVPR	24	4.842	0.428	4.200	5.400
----- DAY#18 -----					
AIRTEMP	24	29.817	0.418	28.500	31.500
SEATEMP	24	31.028	0.889	30.300	32.800
WINDSPED	22	1.284	0.828	0.100	3.300
SIGWYHT	24	0.250	0.051	0.200	0.300
AVWVPR	24	4.892	0.164	4.700	5.200

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 AUGUST 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	29.478	0.798	27.300	31.400
SEATEMP	24	30.882	0.288	30.200	31.300
WINDSPED	22	2.877	1.798	0.500	4.400
SIGWYHT	24	0.182	0.058	0.100	0.300
AVWVPR	24	4.380	0.720	2.800	5.300
----- DAY#20 -----					
AIRTEMP	24	29.517	0.578	28.400	30.800
SEATEMP	24	30.700	0.484	30.200	31.800
WINDSPED	24	2.482	1.280	0.400	4.800
SIGWYHT	24	0.204	0.038	0.100	0.300
AVWVPR	24	3.225	0.227	3.000	3.700
----- DAY#21 -----					
AIRTEMP	24	28.583	1.427	25.500	31.000
SEATEMP	24	30.882	0.233	30.300	31.800
WINDSPED	24	2.782	1.280	0.200	5.700
SIGWYHT	24	0.404	0.112	0.200	0.500
AVWVPR	24	4.082	0.381	3.500	4.700
----- DAY#22 -----					
AIRTEMP	24	28.883	0.688	27.800	29.800
SEATEMP	24	30.387	0.307	30.000	31.000
WINDSPED	24	2.887	1.178	0.500	4.700
SIGWYHT	26	0.421	0.041	0.400	0.500
AVWVPR	24	4.021	0.183	3.800	4.400
----- DAY#23 -----					
AIRTEMP	24	28.782	0.559	27.800	29.800
SEATEMP	24	30.433	0.179	30.200	30.800
WINDSPED	24	3.312	0.874	1.800	4.800
SIGWYHT	24	0.437	0.084	0.400	0.500
AVWVPR	24	4.080	0.188	3.800	4.500
----- DAY#24 -----					
AIRTEMP	23	28.817	0.888	28.500	29.800
SEATEMP	23	30.252	0.168	30.100	30.800
WINDSPED	23	3.785	1.378	1.000	5.400
SIGWYHT	23	0.808	0.088	0.400	0.700
AVWVPR	23	4.081	0.100	3.800	4.200

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 AUGUST 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	28.200	1.324	24.800	28.800
SEATEMP	24	30.283	0.208	29.800	30.700
WINDSPED	24	3.843	1.828	0.800	8.000
SIGWVHT	24	0.780	0.053	0.700	0.800
AVWVPR	24	4.408	0.144	4.100	4.700
----- DAY:26 -----					
AIRTEMP	24	27.883	0.582	26.700	29.000
SEATEMP	24	30.268	0.121	30.100	30.600
WINDSPED	24	4.779	1.808	1.300	8.700
SIGWVHT	24	0.788	0.089	0.800	0.860
AVWVPR	24	4.387	0.130	4.100	4.600
----- DAY:27 -----					
AIRTEMP	24	27.928	0.412	27.000	28.800
SEATEMP	24	30.178	0.088	30.100	30.300
WINDSPED	24	4.800	1.820	1.900	8.200
SIGWVHT	24	0.884	0.184	0.700	1.200
AVWVPR	24	4.600	0.188	4.200	4.800
----- DAY:28 -----					
AIRTEMP	24	28.012	1.187	26.000	29.400
SEATEMP	24	30.023	0.070	29.800	30.200
WINDSPED	24	5.937	1.612	2.200	8.300
SIGWVHT	24	1.087	0.128	0.800	1.300
AVWVPR	24	4.854	0.172	4.200	4.900
----- DAY:29 -----					
AIRTEMP	24	28.180	1.001	26.200	28.800
SEATEMP	24	29.808	0.088	29.800	30.000
WINDSPED	24	6.712	2.327	2.500	11.900
SIGWVHT	24	1.442	0.224	1.000	1.800
AVWVPR	24	5.137	0.388	4.500	5.800
----- DAY:30 -----					
AIRTEMP	24	28.488	0.288	29.000	30.000
SEATEMP	24	29.828	0.107	29.800	30.100
WINDSPED	24	7.829	0.822	6.300	8.200
SIGWVHT	24	1.283	0.124	1.200	1.500
AVWVPR	24	5.087	0.333	4.600	5.700

Table 3 (continue)

DAILY STATISTICS BUDY #42002 AUGUST 1981					
VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:31 -----					
AIRTEMP	24	28.187	0.187	28.900	29.500
SEATEMP	24	29.880	0.088	29.800	30.000
WINDSPED	24	8.284	1.227	6.200	10.800
SIGWVHT	24	1.582	0.121	1.300	1.800
AVWVPR	24	5.078	0.093	4.900	5.300

Table 3 (continue)

42002 SEPTEMBER 1981

MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 SEPTEMBER 1981

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	714	28.075	1.230	24.100	31.800	7.700	-0.859	1.005
SEATEMP	713	28.870	0.894	28.700	32.300	3.600	0.581	0.750
BAROMTR	714	1018.138	2.801	1008.800	1023.100	12.800	0.297	0.237
WINDSPED	703	5.051	2.877	0.100	12.300	12.200	0.188	-0.617
WINDDRC	714	118.178	86.387	0.300	358.800	358.800	1.138	0.804
SIGWYHT	713	0.847	0.580	0.100	3.100	3.000	1.037	1.234
AVWYPR	711	4.422	0.688	3.000	8.800	3.600	0.177	-0.628

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 SEPTEMBER 1981

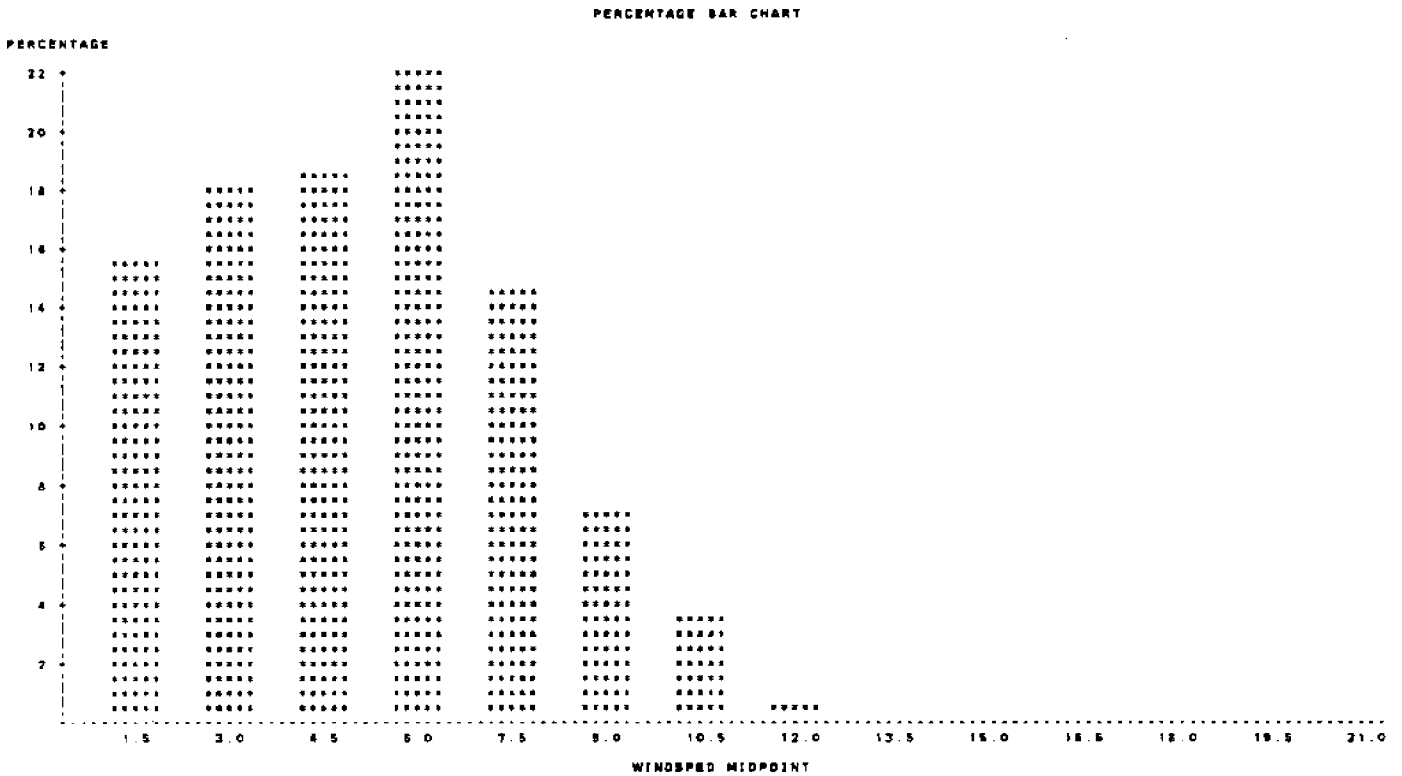


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUDY #42002 SEPTEMBER 1961

PERCENTAGE BAR CHART

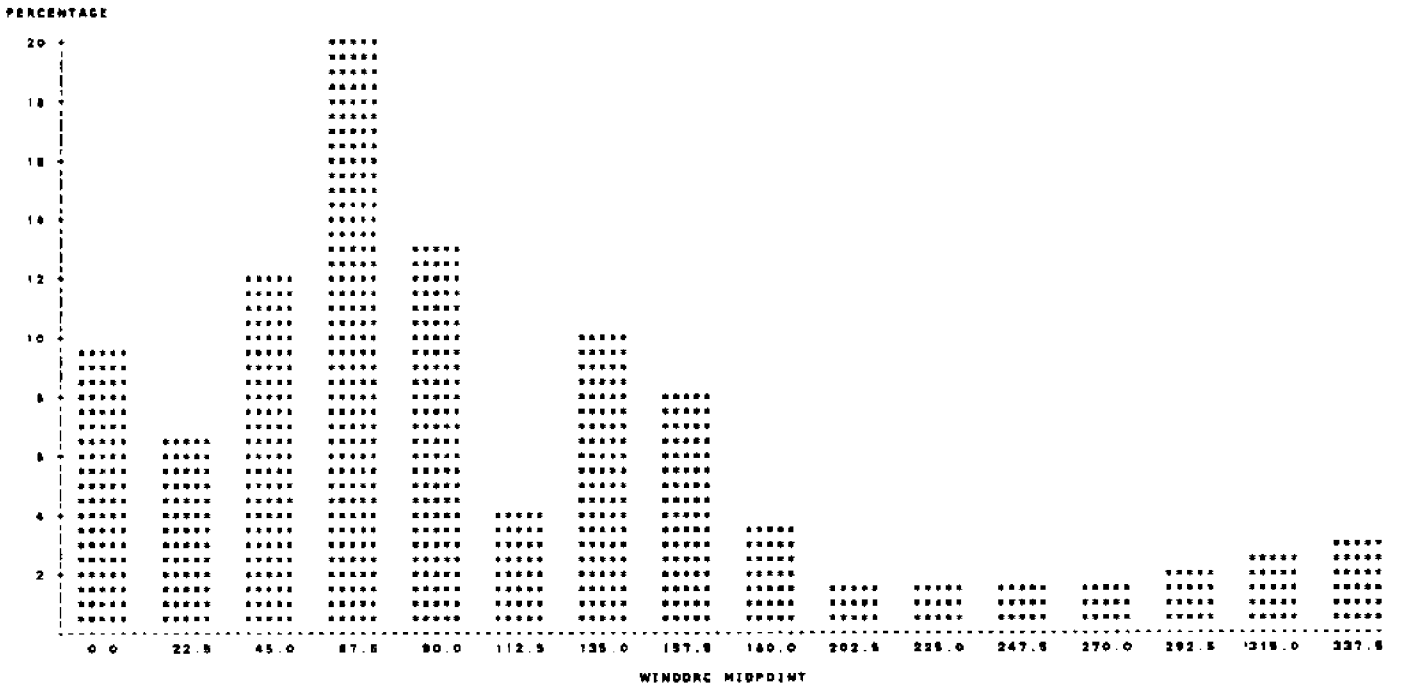


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUDY #42002 SEPTEMBER 1961

PERCENTAGE BAR CHART

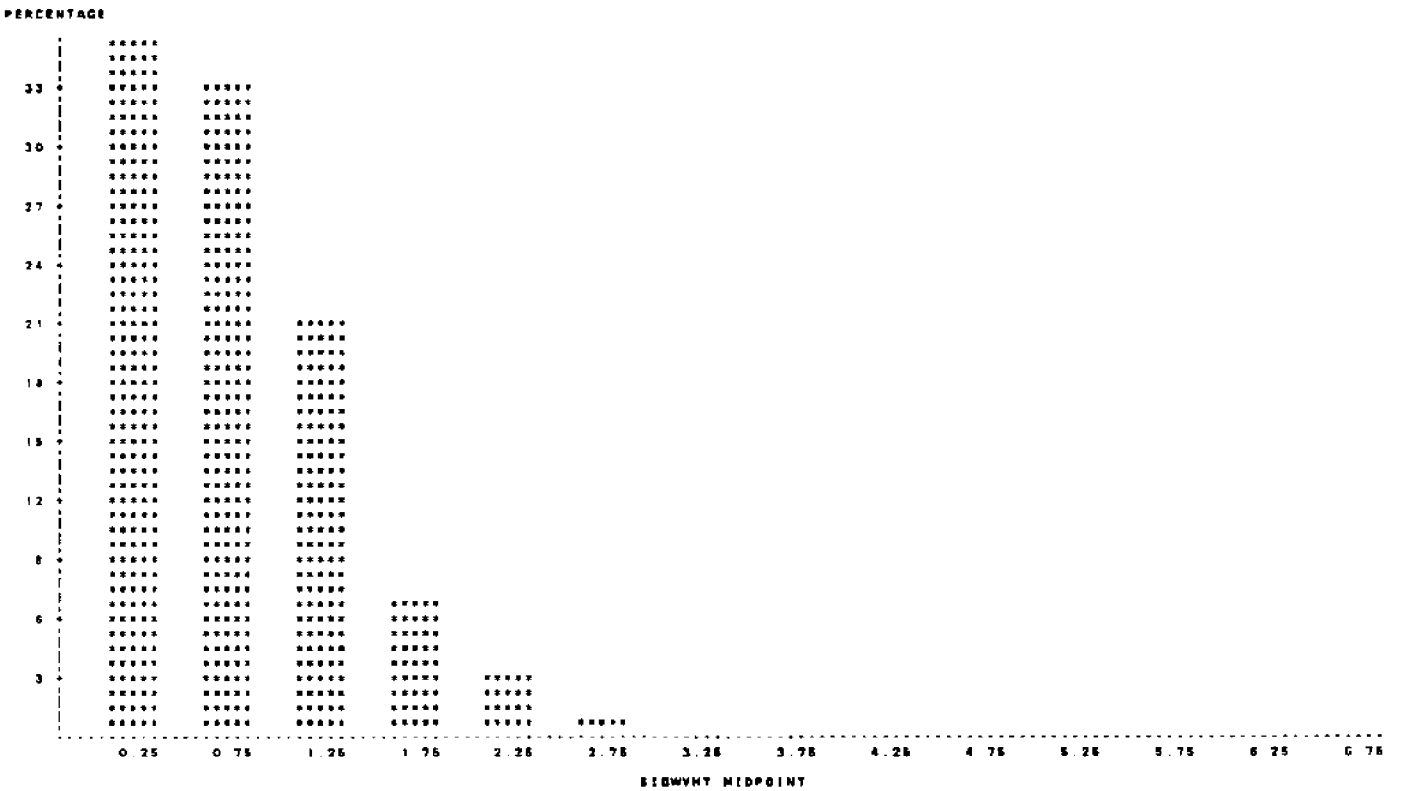


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 STUDY #42002 SEPTEMBER 1961

PERCENTAGE BAR CHART

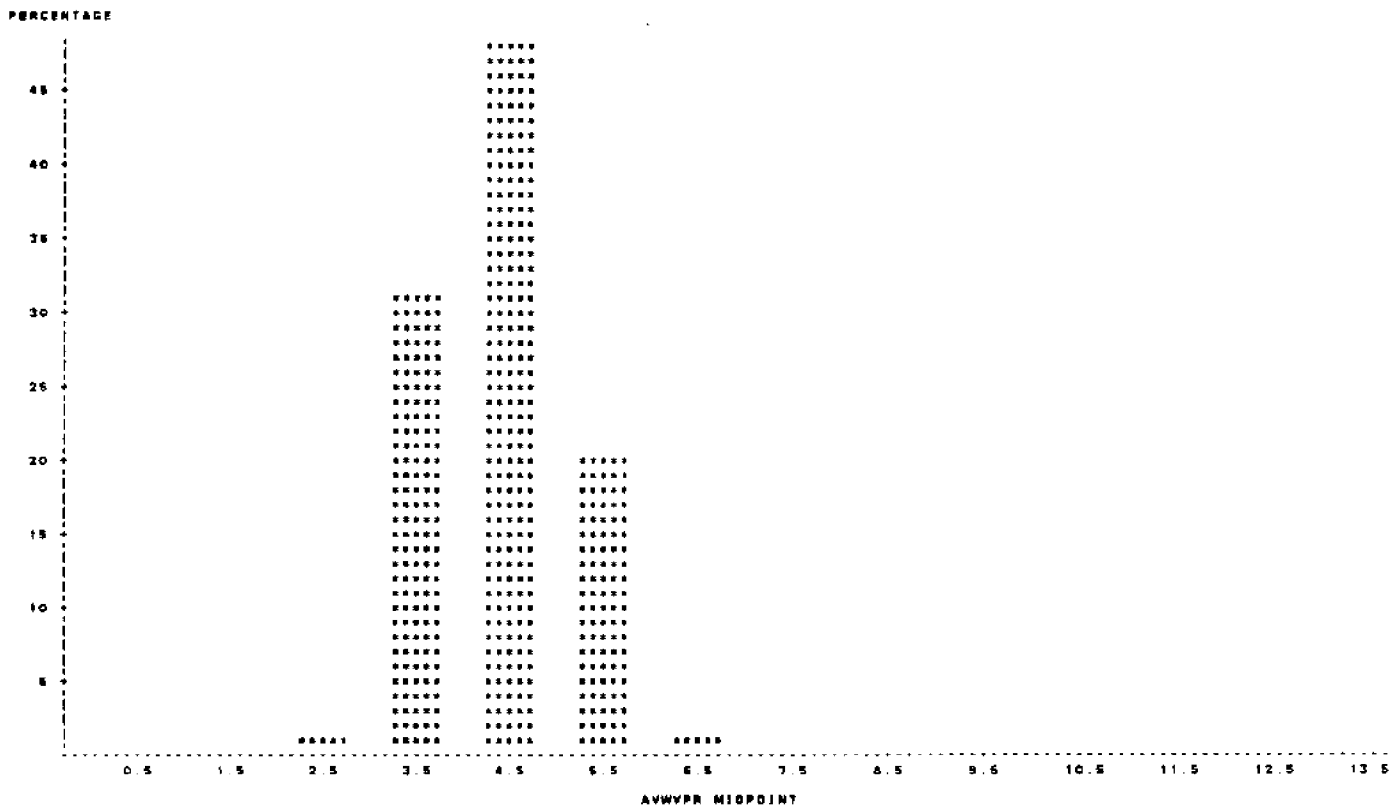


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 STUDY #42002 SEPTEMBER 1961

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT	FREQUENCY								TOTAL
		<10.5	(11.0)	(11.5)	<12.0	<12.5	<13.0	<13.5		
	3	0	0	0	0	0	0	0	0	
<13.0	4	0	0	0	0	0	0	0	0	4
		0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81
		100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81
<14.0	184	53	0	0	0	0	0	0	0	217
		23.07	7.48	0.00	0.00	0.00	0.00	0.00	0.00	30.52
		75.56	24.82	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		65.13	22.88	0.00	0.00	0.00	0.00	0.00	0.00	88.01
<15.0	80	152	103	4	0	0	0	0	0	339
		11.28	21.38	14.43	0.98	0.00	0.00	0.00	0.00	47.88
		23.80	44.84	30.38	1.18	0.00	0.00	0.00	0.00	100.00
		32.26	84.81	68.21	8.18	0.00	0.00	0.00	0.00	193.46
<16.0	0	21	48	65	17	1	0	0	0	142
		0.00	4.38	8.75	8.33	2.39	0.14	0.00	0.00	18.97
		0.00	21.83	33.80	31.88	11.97	0.70	0.00	0.00	100.00
		0.00	13.14	31.78	81.84	48.47	18.67	0.00	0.00	193.46
<17.0	0	0	0	0	0	2	5	2	0	9
		0.00	0.00	0.00	0.00	0.24	0.70	0.24	0.00	1.27
		0.00	0.00	0.00	0.00	22.22	56.56	22.22	0.00	100.00
		0.00	0.00	0.00	0.00	10.53	83.33	100.00	0.00	100.00
TOTAL		248	226	151	48	19	6	2	0	711
		34.84	33.19	21.24	6.58	2.67	0.84	0.28	0.00	100.00

Table 2

DAILY STATISTICS  
 BUDY #42002 SEPTEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	28.242	0.318	28.700	28.700
SEATEMP	24	28.821	0.088	28.700	29.000
WINDSPED	24	7.071	0.823	5.800	8.700
SIGWVHT	24	1.280	0.144	1.000	1.500
AVWVPR	24	4.742	0.188	4.400	5.000
----- DAY#2 -----					
AIRTEMP	24	28.146	0.391	28.200	28.700
SEATEMP	24	28.678	0.180	28.700	29.200
WINDSPED	24	8.187	0.748	4.800	7.800
SIGWVHT	24	1.082	0.083	1.000	1.300
AVWVPR	24	4.708	0.121	4.800	4.800
----- DAY#3 -----					
AIRTEMP	24	28.946	0.474	28.200	28.700
SEATEMP	24	29.825	0.148	28.700	30.300
WINDSPED	24	4.821	1.248	1.800	7.200
SIGWVHT	24	0.878	0.118	0.800	1.100
AVWVPR	24	4.787	0.103	4.800	5.000
----- DAY#4 -----					
AIRTEMP	24	28.933	0.216	28.400	29.300
SEATEMP	24	29.812	0.138	28.800	30.100
WINDSPED	24	5.837	0.817	3.200	8.800
SIGWVHT	24	0.771	0.081	0.800	1.000
AVWVPR	24	4.283	0.271	4.000	5.000
----- DAY#5 -----					
AIRTEMP	24	28.882	0.378	28.400	29.500
SEATEMP	24	29.871	0.238	28.700	30.800
WINDSPED	24	4.437	1.488	2.800	8.800
SIGWVHT	24	0.683	0.131	0.800	0.800
AVWVPR	24	4.282	0.071	4.100	4.400
----- DAY#6 -----					
AIRTEMP	22	29.188	0.878	28.200	30.300
SEATEMP	22	30.181	0.488	28.700	31.500
WINDSPED	22	2.841	1.188	0.700	4.300
SIGWVHT	22	0.388	0.073	0.300	0.800
AVWVPR	22	3.873	0.208	3.700	4.400

Table 3

DAILY STATISTICS  
 BUDY #42002 SEPTEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	20	28.988	0.818	27.800	30.000
SEATEMP	19	30.216	0.388	28.800	31.000
WINDSPED	20	3.125	1.144	1.300	8.300
SIGWVHT	17	0.241	0.081	0.300	0.300
AVWVPR	17	3.871	0.140	3.400	3.800
----- DAY#8 -----					
AIRTEMP	24	28.878	0.884	28.000	28.800
SEATEMP	24	30.228	0.378	28.800	31.000
WINDSPED	22	2.014	1.114	0.300	4.100
SIGWVHT	24	0.186	0.020	0.100	0.200
AVWVPR	24	3.833	0.088	3.400	3.700
----- DAY#9 -----					
AIRTEMP	24	28.880	0.483	27.800	28.300
SEATEMP	24	30.086	0.183	28.800	30.900
WINDSPED	23	2.478	1.281	0.100	4.200
SIGWVHT	24	0.175	0.044	0.100	0.200
AVWVPR	24	3.271	0.182	3.000	3.800
----- DAY#10 -----					
AIRTEMP	24	28.771	0.480	28.200	30.200
SEATEMP	24	30.083	0.134	30.000	30.400
WINDSPED	23	2.342	1.188	0.100	4.800
SIGWVHT	24	0.384	0.164	0.100	0.600
AVWVPR	24	4.017	0.473	3.100	4.800
----- DAY#11 -----					
AIRTEMP	24	28.884	0.438	28.800	28.700
SEATEMP	24	30.217	0.348	28.800	31.000
WINDSPED	23	2.287	0.878	0.200	3.800
SIGWVHT	24	0.288	0.082	0.200	0.400
AVWVPR	24	4.382	0.380	3.700	4.800
----- DAY#12 -----					
AIRTEMP	24	28.221	0.811	28.800	31.300
SEATEMP	24	30.876	0.744	30.000	32.300
WINDSPED	23	1.700	1.084	0.200	4.600
SIGWVHT	24	0.183	0.038	0.100	0.300
AVWVPR	24	4.282	0.413	3.200	4.700

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 SEPTEMBER 1961

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	29.725	0.635	28.200	31.000
SEATEMP	24	30.805	0.555	28.400	31.500
WINDSPED	24	2.757	1.377	0.400	4.800
SIGWVHT	24	0.221	0.072	0.100	0.300
AVWVPR	24	3.417	0.355	3.000	4.300
----- DAY#14 -----					
AIRTEMP	24	28.087	0.230	28.700	29.500
SEATEMP	24	30.109	0.279	29.800	31.100
WINDSPED	24	4.825	1.178	1.100	8.200
SIGWVHT	24	0.471	0.130	0.300	0.700
AVWVPR	24	3.704	0.157	3.500	4.000
----- DAY#15 -----					
AIRTEMP	24	28.487	1.254	25.500	30.000
SEATEMP	24	30.012	0.162	29.800	30.300
WINDSPED	24	5.557	2.035	2.400	10.000
SIGWVHT	24	0.555	0.075	0.500	0.700
AVWVPR	24	3.733	0.140	3.200	3.900
----- DAY#16 -----					
AIRTEMP	24	27.795	0.872	25.500	28.900
SEATEMP	24	29.842	0.162	29.700	30.300
WINDSPED	24	3.554	1.335	0.700	5.200
SIGWVHT	24	0.482	0.071	0.400	0.600
AVWVPR	24	3.821	0.245	3.400	4.200
----- DAY#17 -----					
AIRTEMP	24	27.708	0.820	25.500	28.500
SEATEMP	24	28.837	0.088	29.800	30.000
WINDSPED	24	7.162	2.703	3.500	12.300
SIGWVHT	24	0.557	0.117	0.400	2.500
AVWVPR	24	4.221	0.840	3.400	6.100
----- DAY#18 -----					
AIRTEMP	24	28.021	0.800	24.300	27.300
SEATEMP	24	29.517	0.117	29.500	29.800
WINDSPED	24	10.171	0.750	8.000	11.800
SIGWVHT	24	2.354	0.372	1.500	3.100
AVWVPR	24	5.771	0.413	5.200	6.600

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 SEPTEMBER 1961

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	24.517	0.519	24.100	25.000
SEATEMP	24	29.354	0.088	29.300	29.500
WINDSPED	24	7.850	1.022	5.700	8.500
SIGWVHT	24	1.729	0.375	1.400	2.500
AVWVPR	24	5.453	0.302	5.100	4.300
----- DAY#20 -----					
AIRTEMP	24	26.925	0.513	25.500	27.500
SEATEMP	24	29.073	0.118	28.800	29.300
WINDSPED	24	5.482	1.331	3.500	7.500
SIGWVHT	24	1.075	0.115	0.800	1.300
AVWVPR	24	4.882	0.318	4.500	5.500
----- DAY#21 -----					
AIRTEMP	24	27.429	0.510	25.400	28.500
SEATEMP	24	28.647	0.188	28.500	28.800
WINDSPED	24	4.308	1.702	1.500	8.500
SIGWVHT	24	0.867	0.183	0.700	1.200
AVWVPR	24	5.205	0.267	4.800	5.500
----- DAY#22 -----					
AIRTEMP	24	27.600	0.742	25.500	28.500
SEATEMP	24	29.429	0.534	28.800	30.500
WINDSPED	22	0.837	0.765	0.100	3.000
SIGWVHT	24	0.721	0.184	0.500	1.200
AVWVPR	24	5.054	0.282	4.400	5.700
----- DAY#23 -----					
AIRTEMP	24	27.542	0.219	27.200	28.000
SEATEMP	24	29.187	0.215	28.900	29.500
WINDSPED	24	5.417	1.284	2.500	8.700
SIGWVHT	24	0.817	0.134	0.500	1.000
AVWVPR	24	4.104	0.152	3.900	4.500
----- DAY#24 -----					
AIRTEMP	24	27.279	0.420	25.500	28.000
SEATEMP	24	29.071	0.224	28.800	29.500
WINDSPED	24	4.328	0.517	3.400	5.500
SIGWVHT	24	0.836	0.088	0.500	0.700
AVWVPR	24	4.121	0.102	3.800	4.200

Table 3 (continue)



DAILY STATISTICS  
 BUDY #42002 SEPTEMBER '851

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#26 -----					
AIRTEMP	24	27.808	0.292	27.000	28.300
SEATEMP	24	28.184	0.093	28.000	28.300
WINDSPED	24	8.488	0.808	8.000	8.300
SIGWVHT	24	0.887	0.183	0.800	1.200
AVWVPR	24	4.129	0.197	3.800	4.400
----- DAY#28 -----					
AIRTEMP	24	27.704	0.480	26.800	28.400
SEATEMP	24	28.104	0.082	28.000	28.200
WINDSPED	24	7.242	1.348	5.100	8.200
SIGWVHT	24	1.328	0.188	1.000	1.800
AVWVPR	24	4.771	0.242	4.400	5.300
----- DAY#27 -----					
AIRTEMP	24	26.776	0.718	25.200	27.700
SEATEMP	24	28.379	0.088	28.300	28.300
WINDSPED	24	8.837	1.888	2.800	8.800
SIGWVHT	24	1.178	0.118	1.000	1.400
AVWVPR	24	4.847	0.247	4.400	5.300
----- DAY#24 -----					
AIRTEMP	24	27.208	0.880	24.400	28.000
SEATEMP	24	28.833	0.088	28.800	28.800
WINDSPED	24	7.329	1.883	3.800	10.800
SIGWVHT	24	1.184	0.270	0.800	1.700
AVWVPR	24	4.844	0.289	4.300	5.200
----- DAY#29 -----					
AIRTEMP	24	27.887	0.174	27.300	28.000
SEATEMP	24	28.871	0.078	28.800	28.800
WINDSPED	24	8.421	1.034	8.100	8.900
SIGWVHT	24	1.708	0.110	1.800	2.000
AVWVPR	24	8.278	0.221	4.800	8.800
----- DAY#30 -----					
AIRTEMP	24	27.880	0.221	27.200	28.000
SEATEMP	24	28.821	0.088	28.700	28.900
WINDSPED	24	8.888	1.188	5.400	9.100
SIGWVHT	24	1.408	0.118	1.200	1.700
AVWVPR	24	8.187	0.128	4.800	8.400

Table 3 (continue)

42002 OCTOBER 1981

MONTHLY WAVE STATISTIC SUMMARY

STUDY #42002 OCTOBER 1981

Table 1

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BAROMTR BAROMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRG WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHT (M)  
 SVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKWENESS	KURTOSIS
AIRTEMP	720	25.257	2.082	20.500	29.000	8.500	-1.034	-0.008
SEATEMP	720	24.143	0.828	24.500	30.500	6.000	-0.380	-1.131
BAROMTR	720	1018.408	5.018	1007.500	1028.500	21.000	0.103	1.288
WINDSPED	720	8.785	2.232	0.500	13.500	13.000	0.381	0.224
WINDDRG	720	118.082	85.285	1.500	358.500	357.000	1.887	3.482
SIGWVHT	720	1.072	0.594	0.500	3.500	3.000	1.718	3.385
SVWVPR	720	6.811	0.720	3.500	8.500	5.000	0.457	-0.485

HISTOGRAM OF WIND SPEED (M/SEC)  
 STUDY #42002 OCTOBER 1981

PERCENTAGE BAR CHART

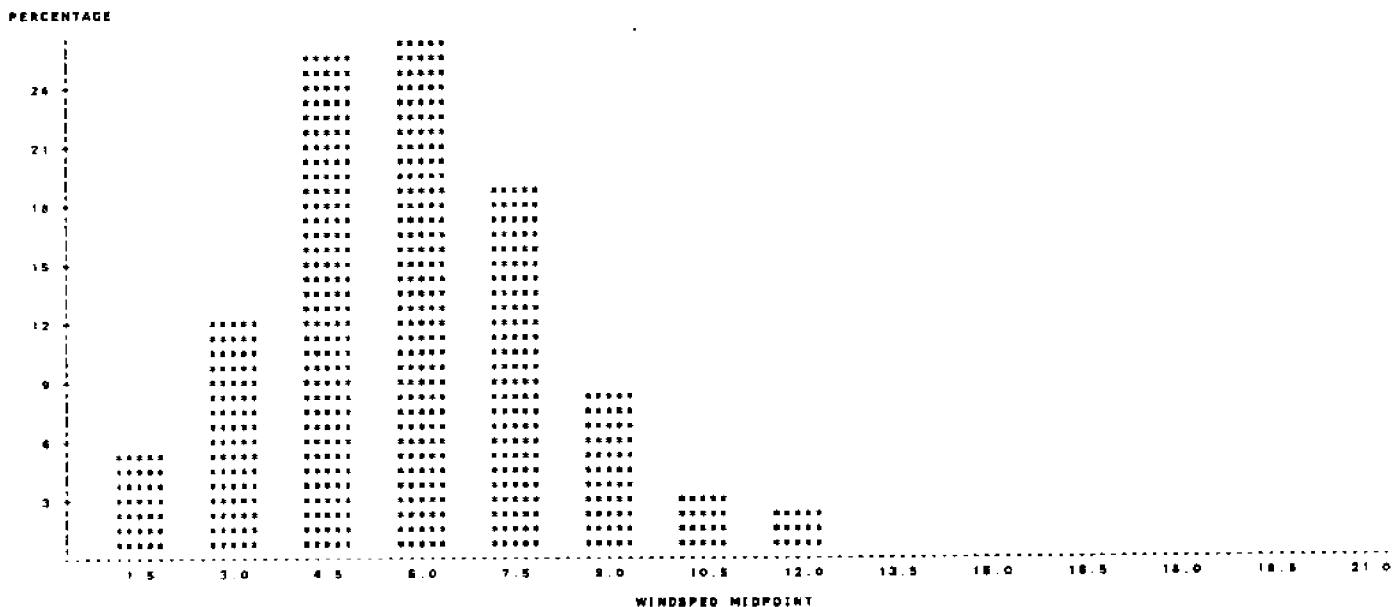


Fig. 1

HISTOGRAM OF WIND DIRECTION (BEARS FROM TRUE NORTH)  
 BUOY #42002 OCTOBER 1961  
 PERCENTAGE BAR CHART

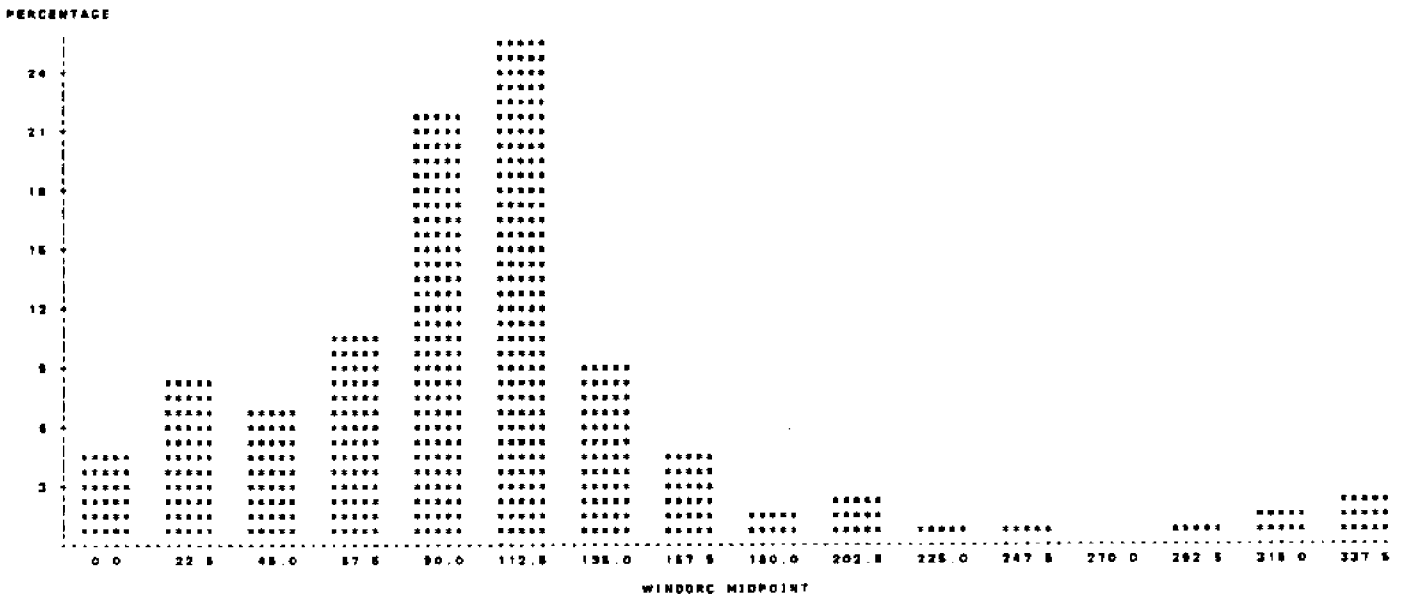


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 OCTOBER 1961  
 PERCENTAGE BAR CHART

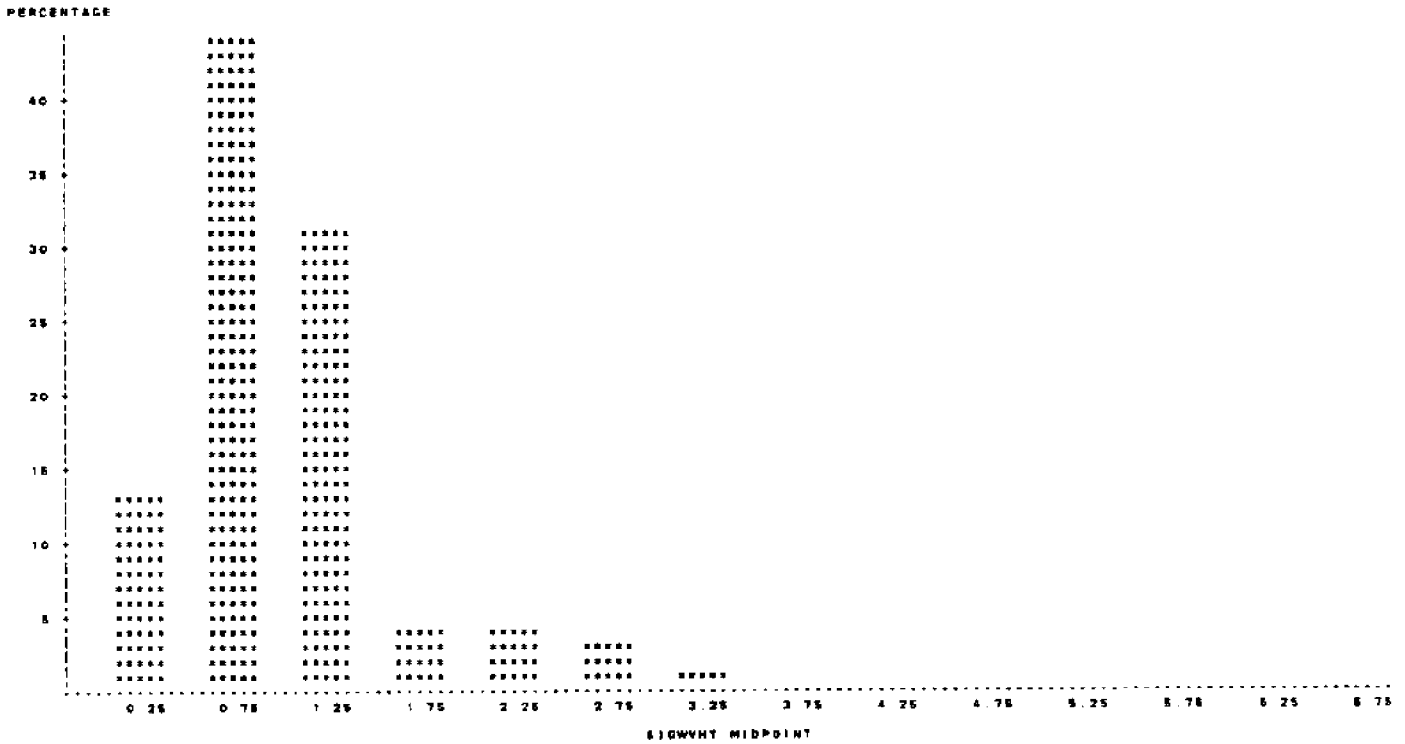


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 OCTOBER 1981

PERCENTAGE BAR CHART

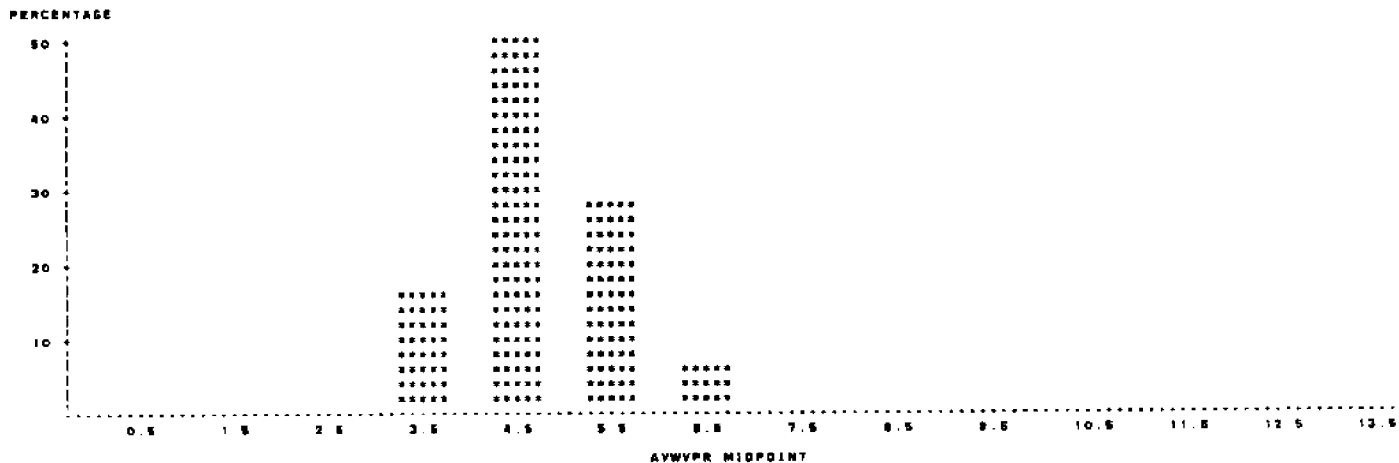


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 OCTOBER 1981

TABLE OF AWVPR BY SIGNHT

AWVPR	SIGNHT								TOTAL
	<=0.5	(1.0	(1.5	(2.0	(2.5	(3.0	(3.5	(4.0	
<=4.0	44	88	0	0	0	0	0	0	132
	5.11	8.88	0.00	0.00	0.00	0.00	0.00	0.00	15.99
	34.84	81.08	0.00	0.00	0.00	0.00	0.00	0.00	115.92
<=5.0	45	203	111	4	0	0	0	0	363
	8.25	24.18	18.42	0.88	0.00	0.00	0.00	0.00	50.42
	12.40	68.92	30.84	1.10	0.00	0.00	0.00	0.00	112.24
<=6.0	5	44	88	22	22	3	0	0	199
	1.11	8.11	13.75	3.18	3.08	0.42	0.00	0.00	27.94
	4.02	22.11	49.78	11.88	11.08	1.51	0.00	0.00	106.28
<=7.0	0	0	10	0	4	21	8	1	45
	0.00	0.00	1.38	0.00	0.56	2.82	1.28	0.14	6.25
	0.00	0.00	22.22	0.00	8.88	48.87	20.00	2.22	102.79
TOTAL	87	318	220	27	28	24	8	1	720
	13.47	43.89	30.84	3.75	3.81	3.33	1.28	0.14	100.00

Table 2

DAILY STATISTICS  
 BUDY #43602 OCTOBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	27.904	0.424	26.600	28.500
SEATEMP	24	28.758	0.232	28.600	28.100
WINDSPED	24	5.478	1.357	2.000	7.500
SIGWYHT	24	1.208	0.108	1.000	1.500
AVWVPR	24	5.328	0.327	4.800	5.800
----- DAY#2 -----					
AIRTEMP	24	27.846	0.275	27.500	28.500
SEATEMP	24	28.100	0.528	28.700	30.300
WINDSPED	24	3.382	1.858	1.100	5.800
SIGWYHT	24	0.833	0.127	0.700	1.100
AVWVPR	24	5.512	0.242	5.000	5.800
----- DAY#3 -----					
AIRTEMP	24	27.587	0.388	27.000	28.100
SEATEMP	24	28.180	0.304	28.800	29.800
WINDSPED	24	2.504	0.490	1.400	3.200
SIGWYHT	24	0.517	0.117	0.400	0.700
AVWVPR	24	5.183	0.278	4.800	5.700
----- DAY#4 -----					
AIRTEMP	24	27.731	0.157	27.500	28.100
SEATEMP	24	28.904	0.140	28.600	29.300
WINDSPED	24	5.553	0.771	5.100	7.100
SIGWYHT	24	0.854	0.144	0.400	0.800
AVWVPR	24	4.028	0.308	3.500	4.800
----- DAY#5 -----					
AIRTEMP	24	27.725	1.080	24.800	28.800
SEATEMP	24	28.833	0.087	28.700	29.000
WINDSPED	24	7.583	0.816	6.000	9.300
SIGWYHT	24	1.133	0.143	0.500	1.400
AVWVPR	24	4.383	0.181	4.000	4.700
----- DAY#6 -----					
AIRTEMP	24	28.148	0.345	27.100	28.800
SEATEMP	24	28.882	0.128	28.700	29.100
WINDSPED	24	5.904	1.382	3.500	8.100
SIGWYHT	24	0.871	0.120	0.700	1.000
AVWVPR	24	4.423	0.101	4.300	4.800

Table 3

DAILY STATISTICS  
 BUDY #43602 OCTOBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	27.787	0.484	27.100	28.000
SEATEMP	24	28.846	0.288	28.700	28.800
WINDSPED	24	3.878	1.387	0.400	5.800
SIGWYHT	24	0.837	0.077	0.500	0.700
AVWVPR	24	4.878	0.123	4.300	4.700
----- DAY#8 -----					
AIRTEMP	24	27.867	0.876	28.700	28.900
SEATEMP	24	28.886	0.166	28.600	29.300
WINDSPED	24	3.888	1.808	0.800	7.000
SIGWYHT	24	0.821	0.083	0.500	0.800
AVWVPR	24	4.876	0.607	4.100	5.800
----- DAY#9 -----					
AIRTEMP	24	27.875	0.431	28.700	28.500
SEATEMP	24	28.700	0.074	28.800	28.800
WINDSPED	24	3.804	1.389	3.300	7.700
SIGWYHT	24	0.878	0.103	0.500	0.800
AVWVPR	24	3.890	0.285	3.500	4.500
----- DAY#10 -----					
AIRTEMP	13	27.831	0.103	27.700	28.000
SEATEMP	13	28.800	0.071	28.800	28.700
WINDSPED	13	4.377	0.827	3.300	5.300
SIGWYHT	13	0.815	0.028	0.500	0.800
AVWVPR	13	3.877	0.154	3.700	4.100
----- DAY#11 -----					
AIRTEMP	24	28.017	0.324	27.800	28.600
SEATEMP	24	28.878	0.251	28.500	29.500
WINDSPED	24	3.553	0.718	2.400	5.000
SIGWYHT	24	0.300	0.090	0.300	0.300
AVWVPR	24	3.880	0.213	3.500	4.100
----- DAY#12 -----					
AIRTEMP	17	28.168	0.200	27.700	28.400
SEATEMP	17	28.824	0.231	28.500	29.200
WINDSPED	17	5.341	0.873	3.700	6.300
SIGWYHT	17	0.488	0.145	0.300	0.700
AVWVPR	17	3.788	0.208	3.300	4.100

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 OCTOBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	27.927	0.178	27.700	28.400
SEATEMP	24	28.705	0.128	28.800	28.800
WINDSPED	24	6.304	0.821	5.700	7.800
SIGWVHT	24	0.848	0.078	0.700	1.000
AVWVPR	24	4.066	0.161	3.700	4.300
----- DAY#14 -----					
AIRTEMP	22	27.573	0.398	28.700	28.400
SEATEMP	22	28.899	0.129	28.500	28.900
WINDSPED	22	5.077	1.416	1.800	7.500
SIGWVHT	22	1.073	0.181	0.700	1.300
AVWVPR	22	5.008	0.488	4.200	5.800
----- DAY#15 -----					
AIRTEMP	24	27.182	0.202	26.800	27.500
SEATEMP	24	28.633	0.127	28.900	28.800
WINDSPED	24	6.021	0.886	4.300	8.000
SIGWVHT	24	1.083	0.101	0.800	1.300
AVWVPR	24	4.917	0.320	4.600	5.400
----- DAY#16 -----					
AIRTEMP	24	27.437	0.241	27.100	27.800
SEATEMP	24	28.854	0.136	28.900	28.800
WINDSPED	24	6.692	1.291	3.200	7.800
SIGWVHT	24	1.148	0.153	0.800	1.500
AVWVPR	24	5.388	0.477	4.700	6.300
----- DAY#17 -----					
AIRTEMP	20	27.085	0.289	26.500	27.800
SEATEMP	20	28.880	0.088	28.800	28.800
WINDSPED	20	5.790	1.146	2.800	7.200
SIGWVHT	20	1.148	0.208	0.800	1.900
AVWVPR	20	5.308	0.440	4.900	6.300
----- DAY#18 -----					
AIRTEMP	24	26.884	1.344	23.800	28.200
SEATEMP	24	28.804	0.087	28.800	28.700
WINDSPED	24	6.729	1.833	3.800	8.500
SIGWVHT	24	0.748	0.200	0.500	1.300
AVWVPR	24	4.379	0.331	3.400	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 OCTOBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	23.729	1.096	22.500	25.800
SEATEMP	24	28.098	0.248	27.400	28.500
WINDSPED	24	10.383	1.238	7.700	11.800
SIGWVHT	24	2.671	0.332	1.700	3.100
AVWVPR	24	6.178	0.301	5.100	6.800
----- DAY#20 -----					
AIRTEMP	24	23.000	0.330	22.500	23.500
SEATEMP	24	27.780	0.086	27.800	27.800
WINDSPED	24	9.628	1.088	4.100	7.500
SIGWVHT	24	1.433	0.483	0.800	2.200
AVWVPR	24	5.382	0.338	5.000	5.000
----- DAY#21 -----					
AIRTEMP	24	24.721	0.848	23.300	26.000
SEATEMP	24	27.721	0.084	27.800	27.800
WINDSPED	24	4.833	0.888	2.800	6.800
SIGWVHT	24	0.767	0.078	0.800	0.800
AVWVPR	24	4.862	0.282	4.100	5.100
----- DAY#22 -----					
AIRTEMP	24	26.021	0.566	25.400	27.100
SEATEMP	24	27.817	0.140	27.800	27.800
WINDSPED	24	5.637	0.938	3.900	7.200
SIGWVHT	24	0.888	0.180	0.700	1.300
AVWVPR	24	4.748	0.605	4.000	5.500
----- DAY#23 -----					
AIRTEMP	24	25.112	0.708	23.500	26.200
SEATEMP	24	27.842	0.085	27.800	27.800
WINDSPED	24	4.100	2.870	1.200	11.500
SIGWVHT	24	1.388	0.273	1.000	2.100
AVWVPR	24	5.875	0.227	5.500	6.300
----- DAY#24 -----					
AIRTEMP	24	24.071	0.848	22.400	25.000
SEATEMP	24	27.341	0.114	27.200	27.600
WINDSPED	24	8.954	1.870	7.700	13.800
SIGWVHT	24	2.829	0.463	2.200	3.700
AVWVPR	24	6.280	0.388	5.800	6.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 OCTOBER 1961

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	28.286	1.012	23.600	27.400
SEATEMP	24	27.160	0.081	27.100	27.200
WINDSPED	24	7.846	0.810	6.300	8.700
SIGWVHT	24	1.812	0.272	1.300	2.200
AVWVPR	24	5.167	0.289	4.700	5.600
----- DAY#26 -----					
AIRTEMP	24	24.933	2.141	21.800	27.200
SEATEMP	24	27.083	0.028	27.000	27.100
WINDSPED	24	8.890	0.388	8.300	10.800
SIGWVHT	24	1.875	0.381	1.300	2.400
AVWVPR	24	6.086	0.384	4.800	6.600
----- DAY#27 -----					
AIRTEMP	24	21.217	0.314	20.800	21.600
SEATEMP	24	28.786	0.088	28.700	27.000
WINDSPED	24	5.886	0.783	4.800	7.800
SIGWVHT	24	1.282	0.267	0.800	2.100
AVWVPR	24	4.878	0.473	4.300	5.600
----- DAY#28 -----					
AIRTEMP	24	21.821	0.818	20.800	23.500
SEATEMP	24	26.850	0.118	26.800	26.800
WINDSPED	24	4.846	0.803	2.400	8.000
SIGWVHT	24	0.784	0.102	0.600	0.800
AVWVPR	24	4.108	0.212	3.800	4.500
----- DAY#29 -----					
AIRTEMP	24	24.117	0.832	23.200	26.800
SEATEMP	24	28.878	0.238	28.800	27.200
WINDSPED	24	3.108	1.023	0.500	6.400
SIGWVHT	24	0.879	0.088	0.800	0.700
AVWVPR	24	4.392	0.270	3.900	4.800
----- DAY#30 -----					
AIRTEMP	24	26.860	0.348	26.200	26.200
SEATEMP	24	26.850	0.088	26.800	27.100
WINDSPED	24	7.829	1.066	5.200	9.000
SIGWVHT	24	1.037	0.200	0.700	1.300
AVWVPR	24	4.478	0.218	4.100	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 OCTOBER 1961

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	24	26.042	0.288	26.300	26.400
SEATEMP	24	28.878	0.078	28.800	27.100
WINDSPED	24	7.833	1.283	6.300	9.700
SIGWVHT	24	1.217	0.078	1.100	1.300
AVWVPR	24	4.878	0.138	4.800	5.000

Table 3 (continue)



42002 NOVEMBER 1981

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 NOVEMBER 1981

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKWENESS	KURTOSIS
AIRTEMP	720	22.885	1.775	18.400	26.700	8.300	-1.169	0.898
SEATEMP	720	25.733	0.700	24.800	27.300	2.700	0.317	-1.194
BAROMTR	720	1017.353	3.013	1005.100	1024.300	18.200	-0.457	0.780
WINDSPD	718	6.435	2.842	0.100	12.000	11.800	0.282	-0.887
WINDDRG	720	145.658	105.155	0.100	358.800	358.700	0.525	-0.551
SIGWVHT	720	1.130	0.832	0.200	3.000	2.800	0.731	-0.318
AVWVPR	720	4.289	0.776	3.100	7.500	4.400	0.186	-0.185

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 NOVEMBER 1981

PERCENTAGE BAR CHART

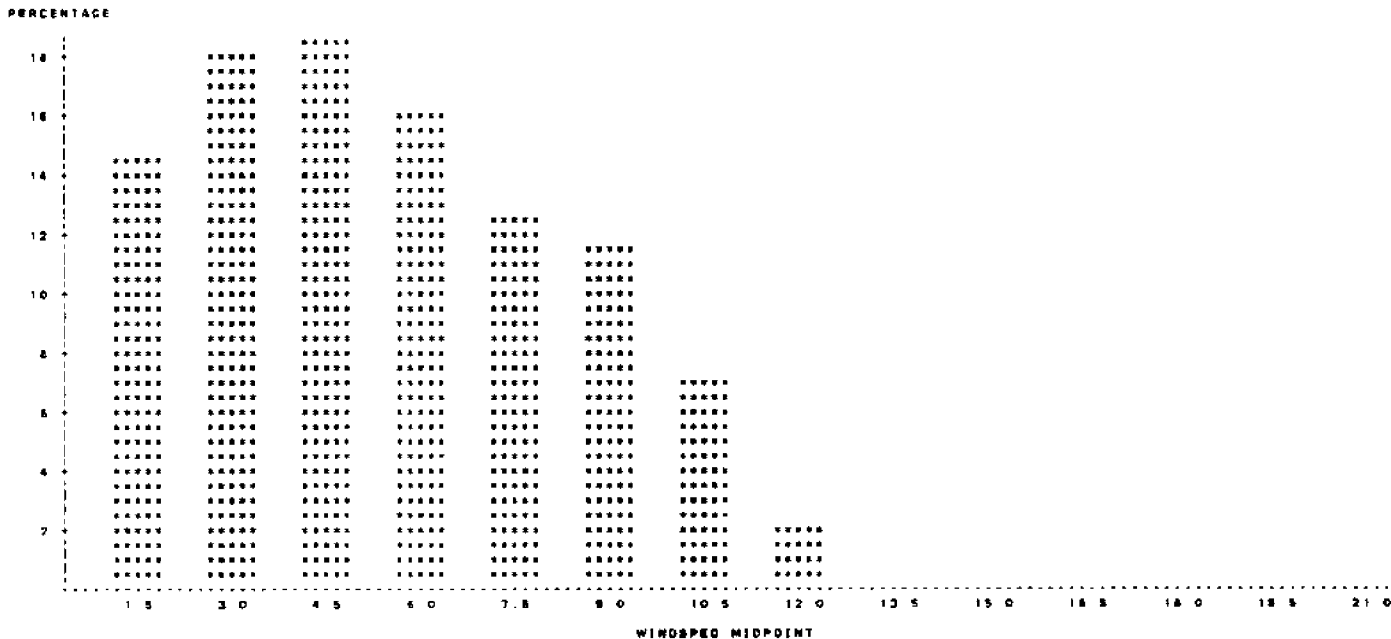


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 NOVEMBER 1981

PERCENTAGE BAR CHART

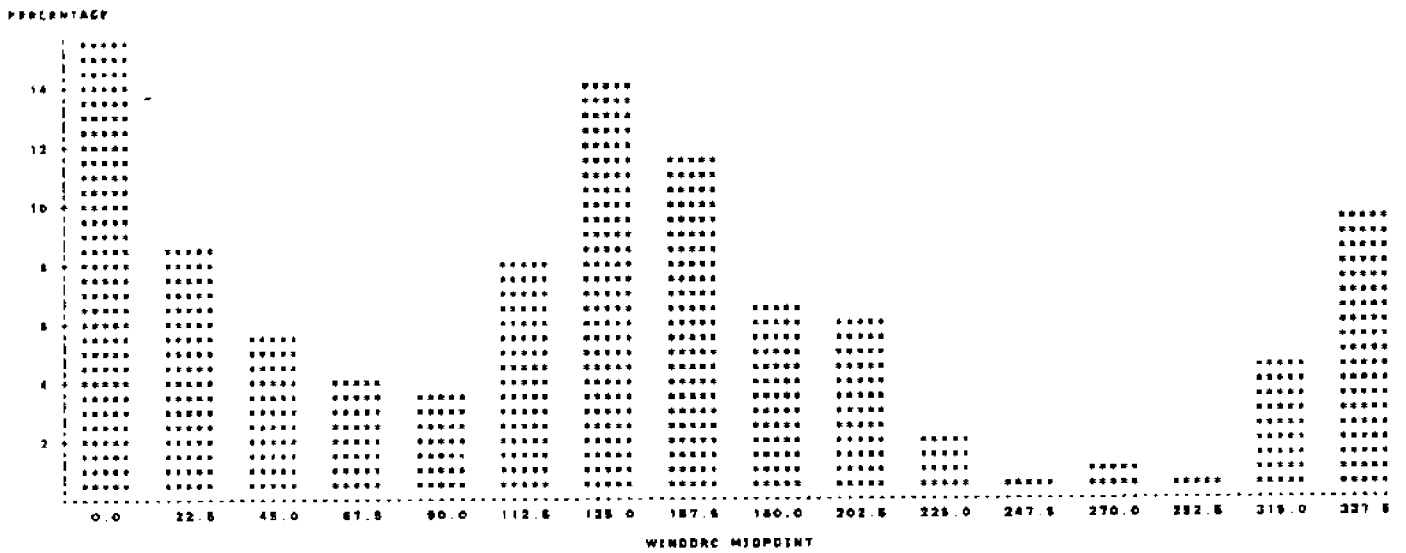


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 NOVEMBER 1981

PERCENTAGE BAR CHART

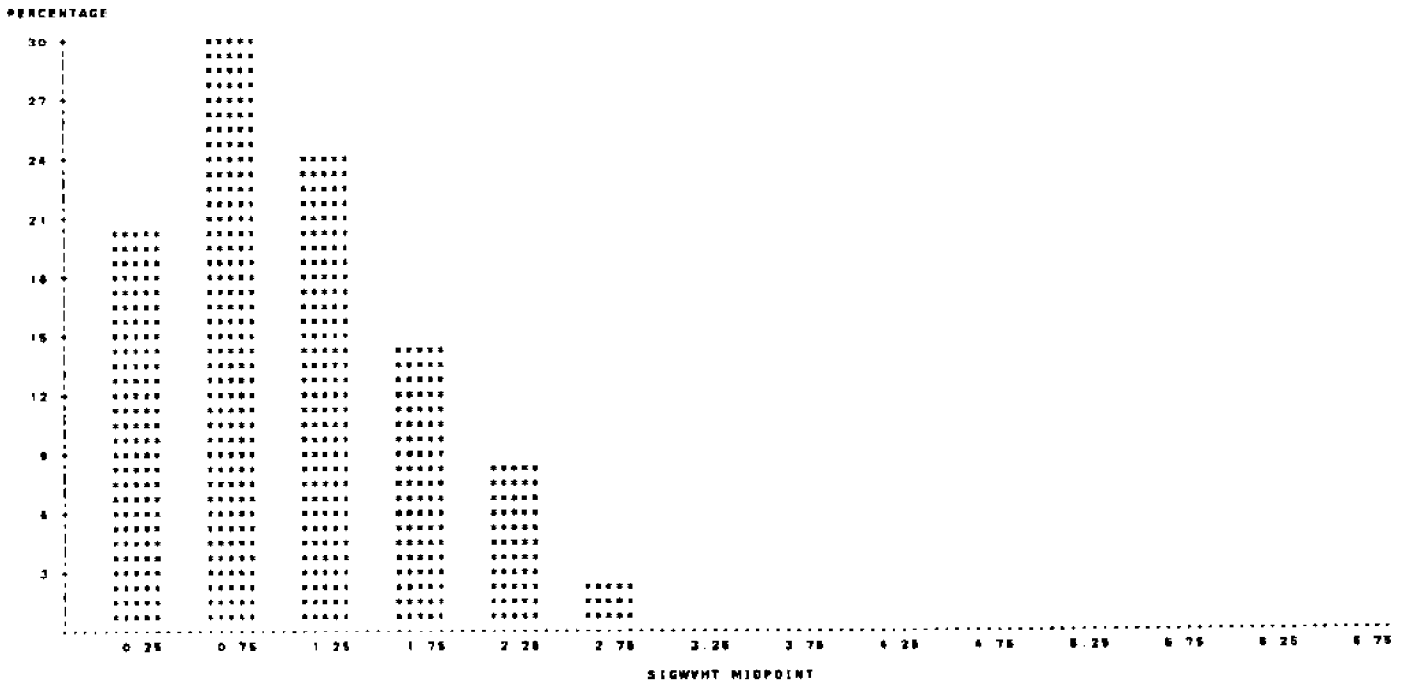


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUDY #42002 NOVEMBER 1981

PERCENTAGE BAR CHART

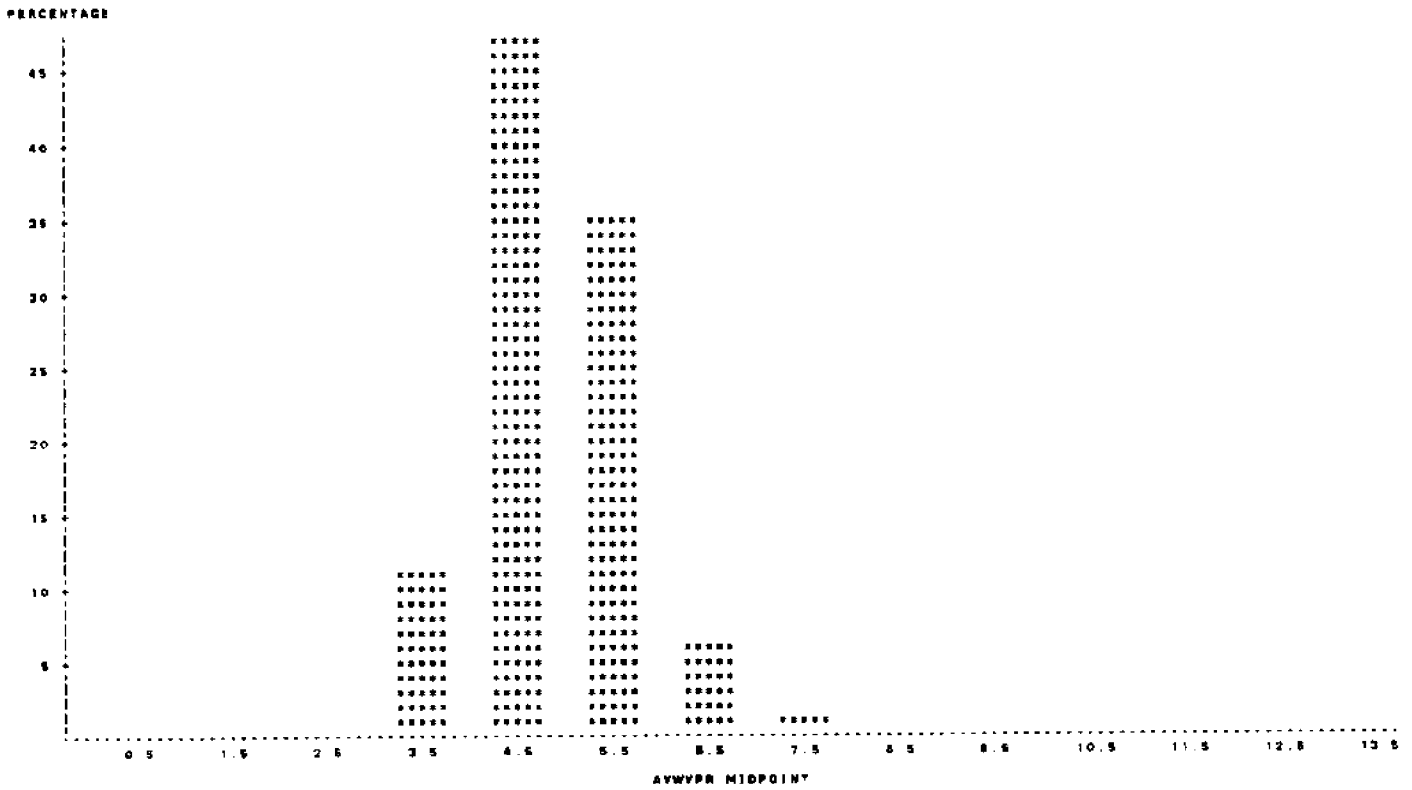


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUDY #42002 NOVEMBER 1981

TABLE OF AVWVPR BY SIGNHT

AVWVPR	SIGNHT						TOTAL
	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0		
<=4.0	38 5.28 25.68	40 5.88 18.35	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	78 10.83
<=5.0	101 14.03 29.78 65.24	132 18.33 38.84 80.55	88 11.81 25.07 48.87	21 2.82 5.18 20.58	0 0.00 0.00 0.00	0 0.00 0.00 0.00	339 47.08
<=6.0	8 1.25 3.87 8.08	43 5.87 17.05 19.72	80 11.11 31.75 45.71	87 11.31 25.59 85.58	48 6.57 19.05 75.88	5 0.69 1.34 31.25	282 38.00
<=7.0	0 0.00 0.00	3 4.12 1.38	10 1.39 5.71	8 1.11 7.84	13 1.81 21.31	11 1.53 24.44 68.78	46 6.25
<=8.0	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 0.83 100.00 5.88	0 0.00 0.00 0.00	0 0.00 0.00 0.00	6 0.83
TOTAL	148 20.58	218 30.28	175 24.31	102 14.17	81 11.17	18 2.42	720 100.00

Table 2

DAILY STATISTICS  
BUDY #42002 NOVEMBER 1991

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	25.804	0.418	24.800	26.800
SEATEMP	24	25.842	0.072	26.800	27.100
WINDSPED	24	4.042	2.860	0.700	10.200
SIGWVHT	24	1.498	0.290	1.100	1.800
AVWVPR	24	5.178	0.828	5.000	7.800
----- DAY#2 -----					
AIRTEMP	24	23.690	0.861	22.800	24.800
SEATEMP	24	26.783	0.108	26.800	27.000
WINDSPED	24	3.883	1.034	3.100	12.000
SIGWVHT	24	2.471	0.240	1.800	2.900
AVWVPR	24	5.882	0.290	5.200	6.300
----- DAY#3 -----					
AIRTEMP	24	24.228	0.388	23.300	25.100
SEATEMP	24	26.832	0.048	26.800	26.700
WINDSPED	24	4.017	0.788	3.800	5.800
SIGWVHT	24	1.882	0.128	1.600	2.300
AVWVPR	24	5.682	0.124	5.700	6.100
----- DAY#4 -----					
AIRTEMP	24	25.217	0.482	24.800	26.000
SEATEMP	24	26.821	0.108	26.800	26.800
WINDSPED	24	5.704	0.988	4.600	8.300
SIGWVHT	24	1.554	0.204	1.200	1.800
AVWVPR	24	5.827	0.185	5.800	6.100
----- DAY#5 -----					
AIRTEMP	24	25.808	0.222	25.200	26.100
SEATEMP	24	26.735	0.173	26.800	27.100
WINDSPED	24	3.512	1.230	1.200	5.200
SIGWVHT	24	1.188	0.144	1.000	1.500
AVWVPR	24	5.027	0.222	5.700	6.800
----- DAY#6 -----					
AIRTEMP	24	24.892	0.282	24.800	25.800
SEATEMP	24	26.828	0.120	26.800	26.800
WINDSPED	24	4.721	1.012	2.700	6.800
SIGWVHT	24	0.888	0.188	0.700	1.200
AVWVPR	24	5.017	0.326	4.600	6.000

Table 3

DAILY STATISTICS  
BUDY #42002 NOVEMBER 1991

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	24.617	0.428	23.800	25.100
SEATEMP	24	26.684	0.228	26.400	27.200
WINDSPED	24	2.586	0.928	1.100	4.100
SIGWVHT	24	0.988	0.088	0.800	0.800
AVWVPR	24	4.626	0.128	4.700	5.200
----- DAY#8 -----					
AIRTEMP	24	24.887	0.878	24.000	25.800
SEATEMP	24	26.646	0.078	26.800	26.800
WINDSPED	24	4.727	1.432	1.600	6.800
SIGWVHT	24	0.688	0.088	0.800	0.800
AVWVPR	24	4.484	0.320	3.900	5.100
----- DAY#9 -----					
AIRTEMP	24	24.826	1.541	20.800	26.000
SEATEMP	24	26.287	0.178	26.000	26.800
WINDSPED	24	3.780	2.910	0.100	10.800
SIGWVHT	24	0.821	0.204	0.700	1.400
AVWVPR	24	4.282	0.206	3.800	4.700
----- DAY#10 -----					
AIRTEMP	24	21.771	0.682	21.000	22.100
SEATEMP	24	26.071	0.062	25.800	26.100
WINDSPED	24	6.821	0.788	7.000	10.300
SIGWVHT	24	2.084	0.202	1.400	2.400
AVWVPR	24	5.482	0.200	4.800	5.800
----- DAY#11 -----					
AIRTEMP	24	21.812	0.268	21.800	22.300
SEATEMP	24	26.848	0.088	26.800	26.800
WINDSPED	24	7.400	0.788	5.200	9.300
SIGWVHT	24	1.254	0.144	1.000	1.800
AVWVPR	24	4.687	0.194	4.300	5.000
----- DAY#12 -----					
AIRTEMP	24	21.358	0.422	20.800	22.300
SEATEMP	24	26.867	0.088	26.800	26.100
WINDSPED	24	3.408	1.782	0.900	6.800
SIGWVHT	24	1.000	0.128	0.800	1.200
AVWVPR	24	5.222	0.320	4.700	5.700

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 NOVEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	22.321	0.388	21.800	23.000
SEATEMP	24	25.998	0.088	25.800	26.300
WINDSPED	24	3.879	1.364	1.800	6.700
SIGWVHT	24	0.837	0.187	0.400	0.800
AVWVPR	24	4.837	0.520	3.700	5.700
----- DAY#14 -----					
AIRTEMP	24	22.784	0.384	22.400	23.300
SEATEMP	24	26.821	0.082	26.500	26.800
WINDSPED	24	3.721	0.578	2.400	4.600
SIGWVHT	24	0.850	0.093	0.400	0.700
AVWVPR	24	4.112	0.173	3.800	4.400
----- DAY#15 -----					
AIRTEMP	24	22.887	0.788	22.200	24.400
SEATEMP	24	26.842	0.118	26.400	26.700
WINDSPED	24	2.137	1.158	0.100	4.300
SIGWVHT	24	0.458	0.058	0.400	0.800
AVWVPR	24	4.837	0.481	4.100	5.800
----- DAY#16 -----					
AIRTEMP	24	24.178	0.578	23.500	25.000
SEATEMP	24	26.388	0.188	26.200	26.700
WINDSPED	24	3.529	0.891	2.300	5.300
SIGWVHT	24	0.517	0.088	0.400	0.800
AVWVPR	24	4.267	0.237	3.900	4.700
----- DAY#17 -----					
AIRTEMP	24	24.837	0.788	24.000	26.700
SEATEMP	24	26.843	0.818	26.200	27.300
WINDSPED	22	2.184	1.078	0.300	3.800
SIGWVHT	24	0.404	0.100	0.300	0.500
AVWVPR	24	4.387	0.170	4.100	4.700
----- DAY#18 -----					
AIRTEMP	24	24.312	0.567	23.700	25.400
SEATEMP	24	26.275	0.138	26.200	26.800
WINDSPED	24	6.875	2.000	2.200	8.000
SIGWVHT	24	0.888	0.283	0.700	1.100
AVWVPR	24	3.898	0.433	3.100	4.300

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	25.358	0.381	25.000	26.000
SEATEMP	24	26.387	0.143	26.200	26.800
WINDSPED	24	7.787	2.071	2.100	10.400
SIGWVHT	24	1.498	0.282	1.000	1.800
AVWVPR	24	4.871	0.382	4.300	6.600
----- DAY#20 -----					
AIRTEMP	24	21.847	2.570	18.800	26.500
SEATEMP	24	26.321	0.058	26.200	26.500
WINDSPED	24	7.783	3.488	1.800	11.100
SIGWVHT	24	2.083	0.888	1.200	3.000
AVWVPR	24	5.892	0.488	4.700	6.400
----- DAY#21 -----					
AIRTEMP	24	19.125	0.888	18.400	20.400
SEATEMP	24	26.082	0.147	24.900	26.300
WINDSPED	24	3.004	1.873	0.600	6.900
SIGWVHT	24	1.104	0.488	0.800	2.000
AVWVPR	24	4.842	0.403	4.400	5.800
----- DAY#22 -----					
AIRTEMP	24	21.121	1.175	19.800	23.700
SEATEMP	24	26.083	0.137	24.800	26.400
WINDSPED	24	1.888	0.728	0.300	3.100
SIGWVHT	24	0.237	0.088	0.300	0.800
AVWVPR	24	4.387	0.104	4.200	4.800
----- DAY#23 -----					
AIRTEMP	24	23.983	1.122	22.100	26.500
SEATEMP	24	26.088	0.088	24.800	26.200
WINDSPED	24	5.848	0.784	4.200	8.800
SIGWVHT	24	0.533	0.201	0.300	1.000
AVWVPR	24	3.858	0.367	3.100	4.500
----- DAY#24 -----					
AIRTEMP	24	25.142	0.403	24.800	26.800
SEATEMP	24	26.104	0.381	24.800	26.000
WINDSPED	24	4.064	1.702	0.800	6.400
SIGWVHT	24	0.784	0.147	0.500	1.000
AVWVPR	24	4.437	0.088	4.200	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 NOVEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY: 25 -----					
AIRTEMP	24	24.825	0.344	24.000	25.100
SEATEMP	24	25.029	0.181	24.800	25.400
WINDSPED	22	5.381	2.408	0.800	8.800
SIGWHT	24	0.654	0.184	0.800	1.100
AVWYPR	24	4.148	0.354	3.700	4.700
----- DAY: 26 -----					
AIRTEMP	24	25.082	0.337	24.800	25.800
SEATEMP	24	24.812	0.098	24.700	25.000
WINDSPED	24	10.808	0.858	8.400	11.800
SIGWHT	24	2.078	0.435	1.100	2.800
AVWYPR	24	5.278	0.544	4.200	5.800
----- DAY: 27 -----					
AIRTEMP	24	25.171	0.287	24.700	25.800
SEATEMP	24	25.192	0.500	24.800	25.800
WINDSPED	24	8.408	1.823	2.400	8.800
SIGWHT	24	1.748	0.344	1.200	2.500
AVWYPR	24	5.848	0.174	5.800	6.200
----- DAY: 28 -----					
AIRTEMP	24	25.196	0.091	25.000	25.400
SEATEMP	24	25.254	0.348	24.700	25.800
WINDSPED	24	5.117	1.188	2.400	7.100
SIGWHT	24	1.248	0.187	1.000	1.500
AVWYPR	24	5.587	0.281	5.100	6.100
----- DAY: 29 -----					
AIRTEMP	24	24.926	0.219	24.800	25.200
SEATEMP	24	24.833	0.109	24.700	25.100
WINDSPED	24	7.248	0.888	5.100	8.400
SIGWHT	24	1.117	0.070	1.000	1.200
AVWYPR	24	4.704	0.188	4.800	5.200
----- DAY: 30 -----					
AIRTEMP	24	24.887	0.472	24.400	25.700
SEATEMP	24	25.183	0.287	24.700	25.800
WINDSPED	24	8.487	1.378	5.100	11.700
SIGWHT	24	1.517	0.280	1.100	1.800
AVWYPR	24	4.804	0.240	4.800	5.400

Table 3 (continue)

42002 DECEMBER 1981



MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 DECEMBER 1981

Table 1

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BARDMTR BAROMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRG WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	735	21.753	7.210	15.300	28.300	10.000	-1.178	0.735
SEATEMP	735	23.748	0.888	22.800	28.800	2.700	0.426	-0.888
BARDMTR	735	1017.049	5.127	1008.300	1028.100	23.800	0.101	-0.836
WINDSPED	734	5.381	2.830	0.300	18.800	18.500	0.284	-0.882
WINDDRG	735	135.982	12.245	0.100	288.000	288.000	0.888	0.131
SIGWVHT	735	1.398	0.702	0.400	3.300	2.900	0.887	-0.773
AVWVPR	735	6.095	0.784	3.200	7.000	3.800	0.218	-0.873

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 DECEMBER 1981

PERCENTAGE BAR CHART

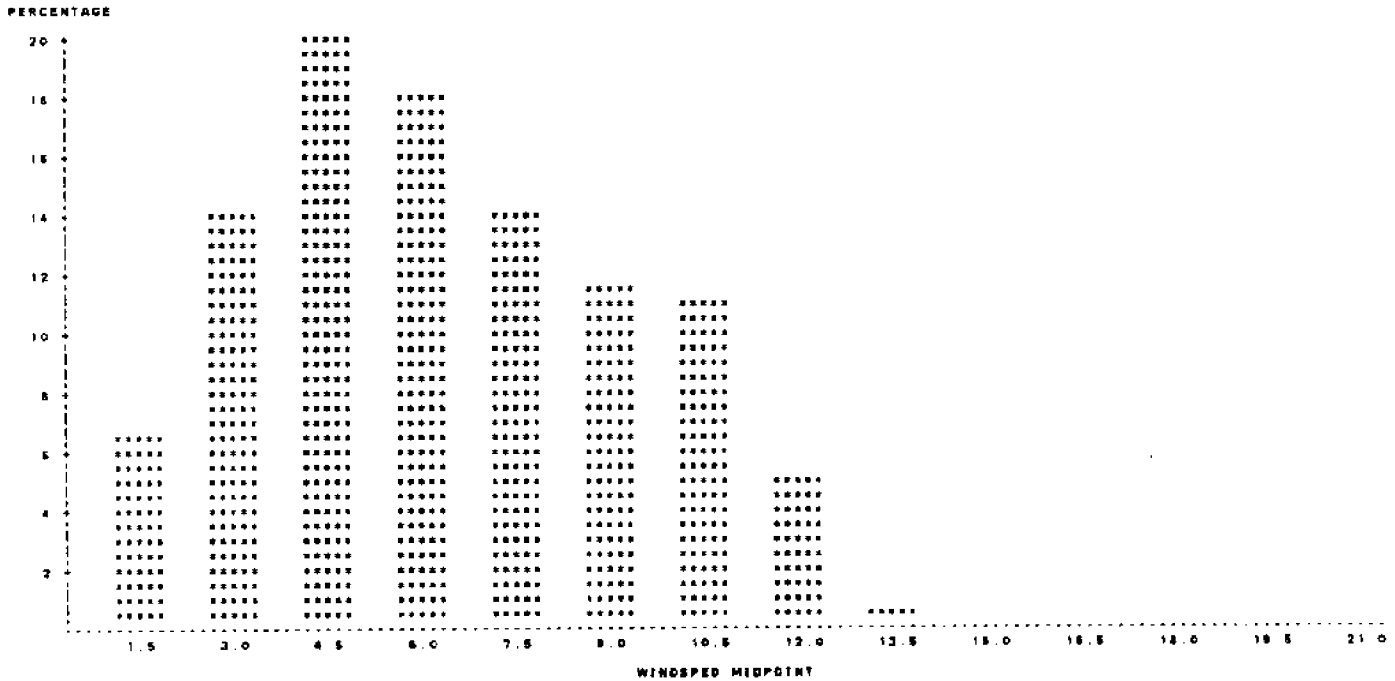


Fig. 1

HISTOGRAM OF WIND DIRECTION (SOURCE FROM TRUE NORTH)  
 GUY #42002 DECEMBER 1961

PERCENTAGE BAR CHART

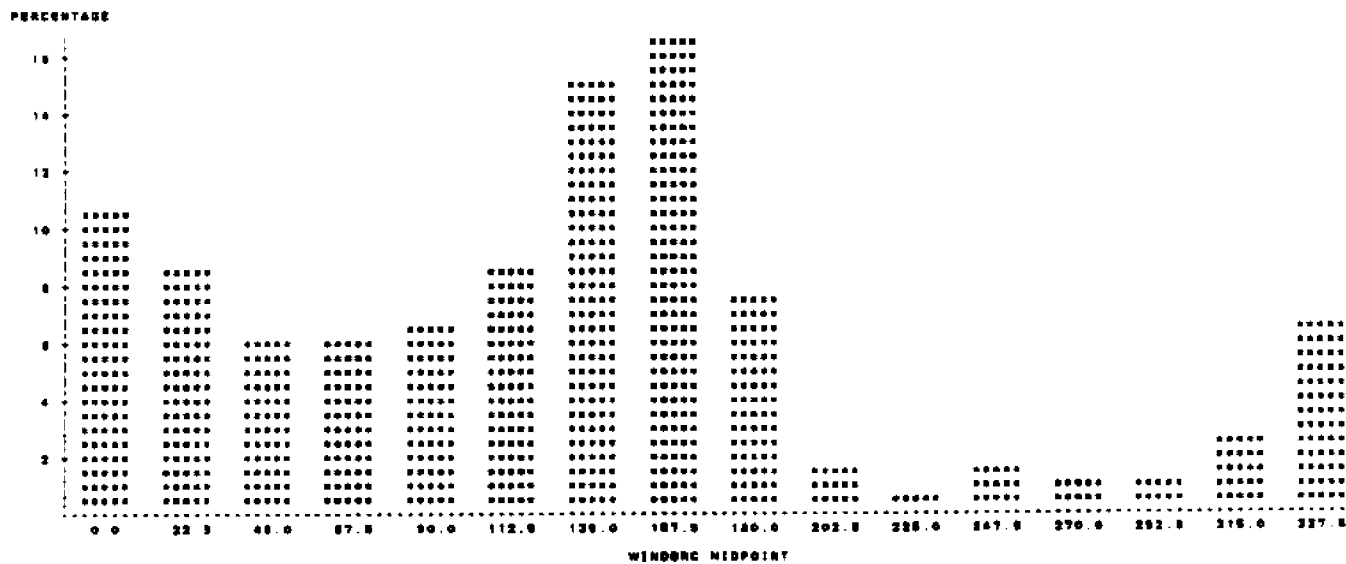


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 GUY #42002 DECEMBER 1961

PERCENTAGE BAR CHART

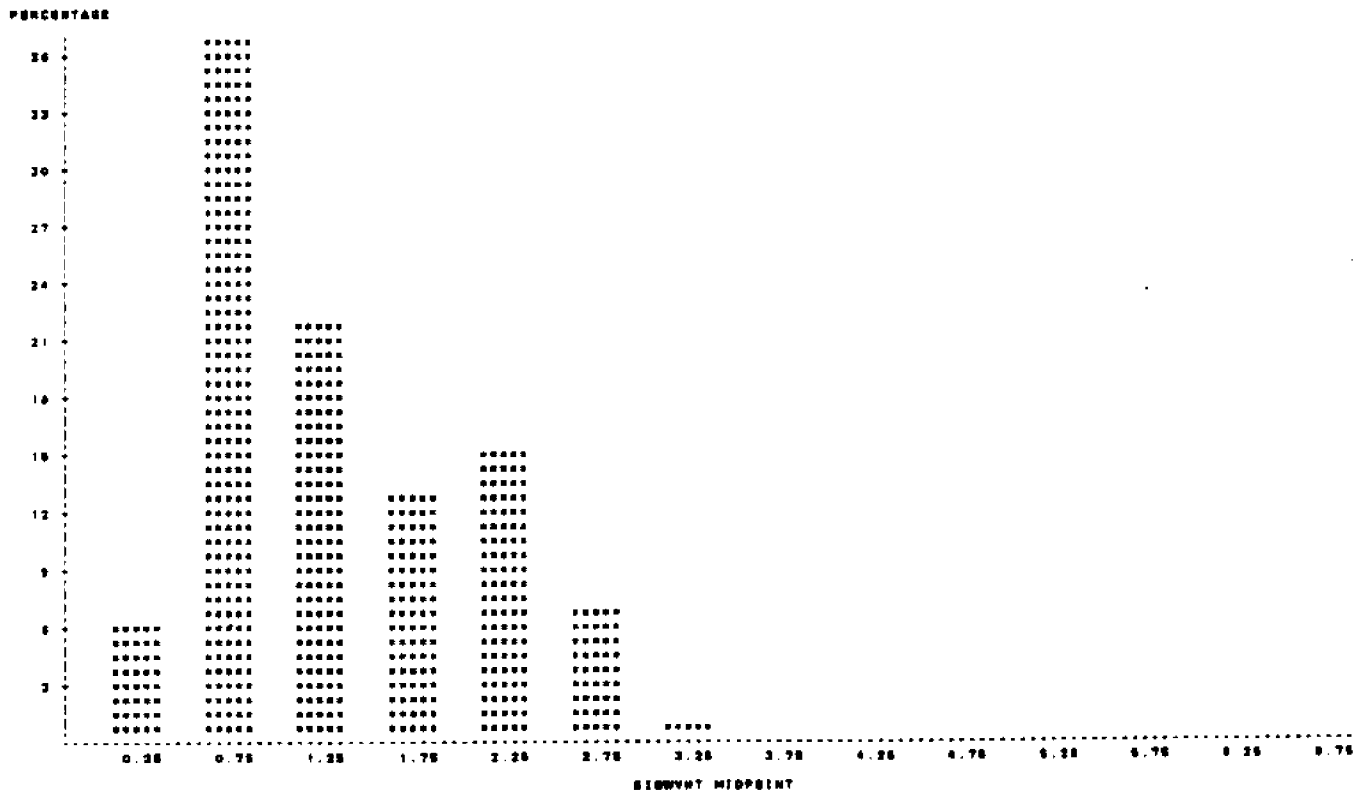


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUDY #43002 DECEMBER 1981

PERCENTAGE BAR CHART

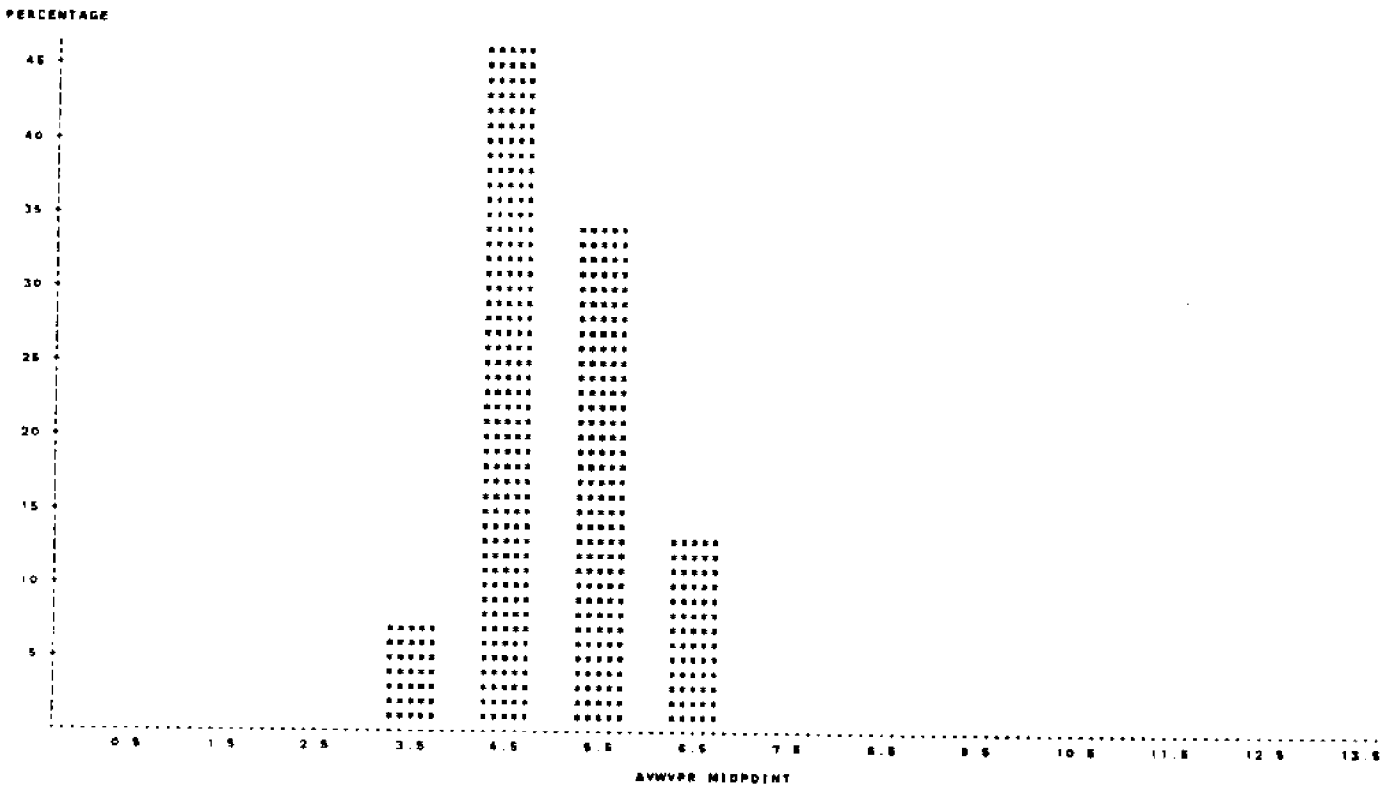


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUDY #43002 DECEMBER 1981

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT							TOTAL
FREQUENCY	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	
PERCENT								
ROW PCT								
COL PCT								
<=4.0	18 2.14 33.33 38.10	30 4.08 62.50 11.18	2 0.27 4.17 1.24	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	48 6.93
<=5.0	28 3.64 7.67 81.90	219 28.80 84.90 81.72	84 11.43 24.78 52.17	8 1.22 2.86 8.47	1 0.14 0.28 0.89	0 0.00 0.00 0.00	0 0.00 0.00 0.00	338 48.17
<=6.0	0 0.00 0.00 0.00	18 2.58 7.89 7.08	74 10.07 28.48 48.86	73 9.83 29.08 71.84	88 11.77 28.29 88.93	18 2.58 7.57 37.28	0 0.00 0.00 0.00	281 34.16
<=7.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.14 1.03 0.82	13 1.77 13.40 13.84	48 6.48 48.38 40.18	32 4.35 32.89 82.78	8 0.82 8.18 100.00	97 13.20
TOTAL	42 5.71	286 38.46	181 21.90	96 12.83	112 15.24	51 6.94	8 0.82	735 100.00

Table 2

DAILY STATISTICS  
 BUDY #42002 DECEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	24.782	0.378	23.500	25.300
SEATEMP	24	28.288	0.232	28.500	28.500
WINDSPED	24	4.864	1.089	3.200	6.300
SIGWVHT	24	1.278	0.232	1.000	1.800
AVWVPR	24	5.323	0.408	4.700	6.900
----- DAY#2 -----					
AIRTEMP	24	21.808	0.753	20.800	23.500
SEATEMP	24	24.788	0.088	24.700	24.900
WINDSPED	24	8.888	2.034	3.800	10.200
SIGWVHT	24	1.382	0.330	0.900	2.000
AVWVPR	24	4.850	0.401	4.200	5.800
----- DAY#3 -----					
AIRTEMP	24	21.708	0.887	20.800	23.200
SEATEMP	24	24.837	0.131	24.500	24.900
WINDSPED	24	3.862	0.727	2.800	5.400
SIGWVHT	24	0.837	0.101	0.800	0.900
AVWVPR	24	4.354	0.177	4.100	4.700
----- DAY#4 -----					
AIRTEMP	24	22.788	1.014	20.300	24.000
SEATEMP	24	24.533	0.108	24.400	24.700
WINDSPED	24	8.787	3.828	0.500	11.300
SIGWVHT	24	0.812	0.648	0.400	2.300
AVWVPR	24	4.471	0.618	3.200	6.800
----- DAY#5 -----					
AIRTEMP	24	18.888	0.884	19.000	20.800
SEATEMP	24	24.746	0.246	24.500	25.100
WINDSPED	24	7.821	2.117	4.200	10.700
SIGWVHT	24	2.121	0.348	1.800	2.800
AVWVPR	24	6.848	0.284	6.500	8.400
----- DAY#6 -----					
AIRTEMP	24	21.821	0.888	20.800	23.000
SEATEMP	24	24.787	0.138	24.500	25.000
WINDSPED	24	6.108	1.348	4.400	8.000
SIGWVHT	24	1.182	0.187	0.900	1.600
AVWVPR	24	5.100	0.308	4.800	6.700

Table 3

DAILY STATISTICS  
 BUDY #42002 DECEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	23.282	0.438	22.700	24.000
SEATEMP	24	24.887	0.088	24.400	24.900
WINDSPED	24	7.337	1.888	4.200	8.300
SIGWVHT	24	1.278	0.208	0.900	1.800
AVWVPR	24	4.878	0.084	4.500	4.800
----- DAY#8 -----					
AIRTEMP	24	23.287	0.342	22.400	23.700
SEATEMP	24	24.168	0.184	23.800	24.400
WINDSPED	24	3.428	1.288	0.800	6.200
SIGWVHT	24	0.721	0.128	0.500	1.000
AVWVPR	24	4.582	0.202	4.300	4.900
----- DAY#9 -----					
AIRTEMP	24	22.923	0.180	22.800	23.300
SEATEMP	24	24.042	0.114	23.800	24.300
WINDSPED	24	4.487	1.888	2.300	7.500
SIGWVHT	24	0.884	0.132	0.800	0.900
AVWVPR	24	4.278	0.284	3.900	4.800
----- DAY#10 -----					
AIRTEMP	24	21.878	0.405	21.300	22.600
SEATEMP	24	24.082	0.144	23.800	24.400
WINDSPED	24	4.054	1.888	2.100	7.300
SIGWVHT	24	0.882	0.121	0.700	1.100
AVWVPR	24	4.828	0.248	4.400	5.100
----- DAY#11 -----					
AIRTEMP	15	22.420	0.871	21.800	23.600
SEATEMP	15	22.780	0.063	23.700	23.900
WINDSPED	15	5.273	1.444	2.800	7.700
SIGWVHT	15	0.847	0.148	0.800	0.900
AVWVPR	15	4.880	0.281	4.000	6.000
----- DAY#12 -----					
AIRTEMP	24	23.883	0.288	23.200	24.200
SEATEMP	24	23.778	0.114	23.500	24.000
WINDSPED	24	7.828	0.890	6.400	8.100
SIGWVHT	24	1.217	0.184	0.800	1.800
AVWVPR	24	4.488	0.374	4.200	4.900

Table 3 (continue)

DAILY STATISTICS  
 STUDY #42002 DECEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	23.796	0.228	23.500	24.200
SEATEMP	24	24.046	0.184	23.700	24.300
WINDSPED	24	6.280	1.323	3.000	8.000
SIGWVHT	24	0.880	0.088	0.800	1.100
AVWVPR	24	4.433	0.286	3.900	4.600
----- DAY#14 -----					
AIRTEMP	24	23.221	1.871	18.000	24.200
SEATEMP	24	24.088	0.189	23.700	24.300
WINDSPED	24	4.778	2.600	4.000	15.800
SIGWVHT	24	1.321	0.389	0.800	2.500
AVWVPR	24	4.850	0.295	4.100	5.600
----- DAY#15 -----					
AIRTEMP	24	18.804	0.814	18.000	20.800
SEATEMP	24	23.871	0.113	23.700	24.100
WINDSPED	24	7.882	2.732	2.600	12.700
SIGWVHT	24	2.328	0.481	1.800	3.200
AVWVPR	24	5.108	0.248	5.000	6.800
----- DAY#16 -----					
AIRTEMP	24	18.404	1.518	18.000	21.500
SEATEMP	24	23.882	0.132	23.800	24.000
WINDSPED	24	3.726	1.838	0.800	6.800
SIGWVHT	24	0.728	0.346	0.400	1.500
AVWVPR	24	4.612	0.868	3.700	6.700
----- DAY#17 -----					
AIRTEMP	24	22.717	0.821	21.000	23.800
SEATEMP	24	23.728	0.088	23.800	23.800
WINDSPED	24	6.884	1.180	4.400	8.200
SIGWVHT	24	0.817	0.181	0.800	1.100
AVWVPR	24	3.888	0.277	3.600	4.400
----- DAY#18 -----					
AIRTEMP	24	18.227	2.788	18.000	23.400
SEATEMP	24	23.804	0.127	23.800	23.800
WINDSPED	24	8.878	2.834	3.600	13.100
SIGWVHT	24	2.182	0.870	0.800	3.300
AVWVPR	24	5.578	1.041	3.600	6.900

Table 3 (continue)

DAILY STATISTICS  
 STUDY #42002 DECEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	18.737	0.468	18.300	19.800
SEATEMP	24	23.278	0.102	23.100	23.800
WINDSPED	24	8.833	1.480	4.800	9.800
SIGWVHT	24	2.004	0.687	1.400	2.800
AVWVPR	24	5.926	0.608	5.100	6.700
----- DAY#20 -----					
AIRTEMP	24	18.828	1.081	17.000	20.200
SEATEMP	24	23.871	0.088	23.000	23.300
WINDSPED	24	10.028	1.478	7.100	12.800
SIGWVHT	24	1.754	0.373	1.400	2.300
AVWVPR	24	5.200	0.177	5.000	6.800
----- DAY#21 -----					
AIRTEMP	24	21.876	0.872	20.300	23.000
SEATEMP	24	23.026	0.081	22.900	23.100
WINDSPED	24	11.217	0.986	9.400	12.800
SIGWVHT	24	3.371	0.237	2.000	2.800
AVWVPR	24	5.687	0.180	5.400	6.000
----- DAY#22 -----					
AIRTEMP	24	23.164	0.496	22.700	24.000
SEATEMP	24	23.128	0.081	23.000	23.200
WINDSPED	24	10.808	0.808	8.700	12.100
SIGWVHT	24	3.478	0.388	1.800	3.300
AVWVPR	24	5.882	0.338	5.200	6.600
----- DAY#23 -----					
AIRTEMP	24	22.971	1.448	20.300	23.800
SEATEMP	24	23.180	0.088	23.000	23.200
WINDSPED	24	8.433	3.701	0.800	11.300
SIGWVHT	24	2.392	0.311	1.700	2.700
AVWVPR	24	5.248	0.308	5.000	6.700
----- DAY#24 -----					
AIRTEMP	24	22.812	0.818	20.800	23.800
SEATEMP	24	23.043	0.248	22.800	23.800
WINDSPED	24	4.808	2.888	1.200	10.300
SIGWVHT	24	1.804	0.337	1.400	2.800
AVWVPR	24	5.837	0.181	5.600	6.100

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 DECEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY 25 -----					
AIRTEMP	24	18.712	1.088	17.400	21.800
SEATEMP	24	23.017	0.082	22.800	23.200
WINDSPED	24	6.842	2.814	2.800	10.400
SEAWHT	24	1.828	0.387	1.200	2.400
AWVPR	24	8.882	0.183	8.400	9.800
----- DAY 26 -----					
AIRTEMP	24	21.429	1.822	18.400	23.800
SEATEMP	24	22.888	0.088	22.800	23.000
WINDSPED	24	8.028	1.292	7.400	7.000
SEAWHT	24	8.808	0.182	8.800	1.300
AWVPR	24	4.708	0.528	4.000	5.500
----- DAY 27 -----					
AIRTEMP	24	22.884	0.438	21.800	23.400
SEATEMP	24	22.878	0.102	22.800	23.100
WINDSPED	24	3.884	1.283	2.200	5.800
SEAWHT	24	0.883	0.087	0.800	0.800
AWVPR	24	4.888	0.214	4.800	4.700
----- DAY 28 -----					
AIRTEMP	24	23.312	0.283	22.800	23.800
SEATEMP	24	23.071	0.283	22.800	23.800
WINDSPED	24	4.828	1.228	2.800	8.400
SEAWHT	24	0.828	0.182	0.800	1.000
AWVPR	24	4.333	0.307	3.800	4.800
----- DAY 29 -----					
AIRTEMP	24	23.280	0.888	22.800	24.700
SEATEMP	24	23.278	0.348	22.800	24.000
WINDSPED	24	2.842	1.808	0.300	7.800
SEAWHT	24	0.917	0.181	0.800	1.800
AWVPR	24	8.071	0.318	4.800	8.000
----- DAY 30 -----					
AIRTEMP	24	22.278	0.412	21.800	22.800
SEATEMP	24	22.878	0.080	22.800	23.300
WINDSPED	24	7.827	1.842	5.300	10.200
SEAWHT	24	3.248	0.211	1.700	2.700
AWVPR	24	8.200	0.414	8.400	8.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 DECEMBER 1981

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY 31 -----					
AIRTEMP	24	23.088	0.388	22.800	24.000
SEATEMP	24	23.187	0.424	22.800	24.100
WINDSPED	24	4.181	2.871	0.200	9.400
SEAWHT	24	1.442	0.288	1.100	2.000
AWVPR	24	8.837	0.818	8.200	7.000

Table 3 (continue)

42002 JANUARY 1982

MONTHLY WAVE STATISTIC SUMMARY  
 BUCY #42002 JANUARY 1962

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	739	20.301	3.138	8.300	24.200	14.800	-1.379	1.518
SEATEMP	739	22.188	0.878	21.200	24.000	2.700	0.761	-0.456
BAROMTR	739	1017.771	4.591	1004.100	1029.800	25.500	-0.382	-0.189
WINDSPD	737	6.738	3.028	0.300	17.800	17.300	0.569	0.480
WINDDRG	738	137.878	91.487	0.300	354.800	358.500	0.840	0.282
SIGWVHT	738	1.888	0.880	0.800	4.900	4.300	1.490	1.799
AVWVPR	738	5.388	0.778	3.800	7.800	4.200	0.808	0.042

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUCY #42002 JANUARY 1962  
 PERCENTAGE BAR CHART

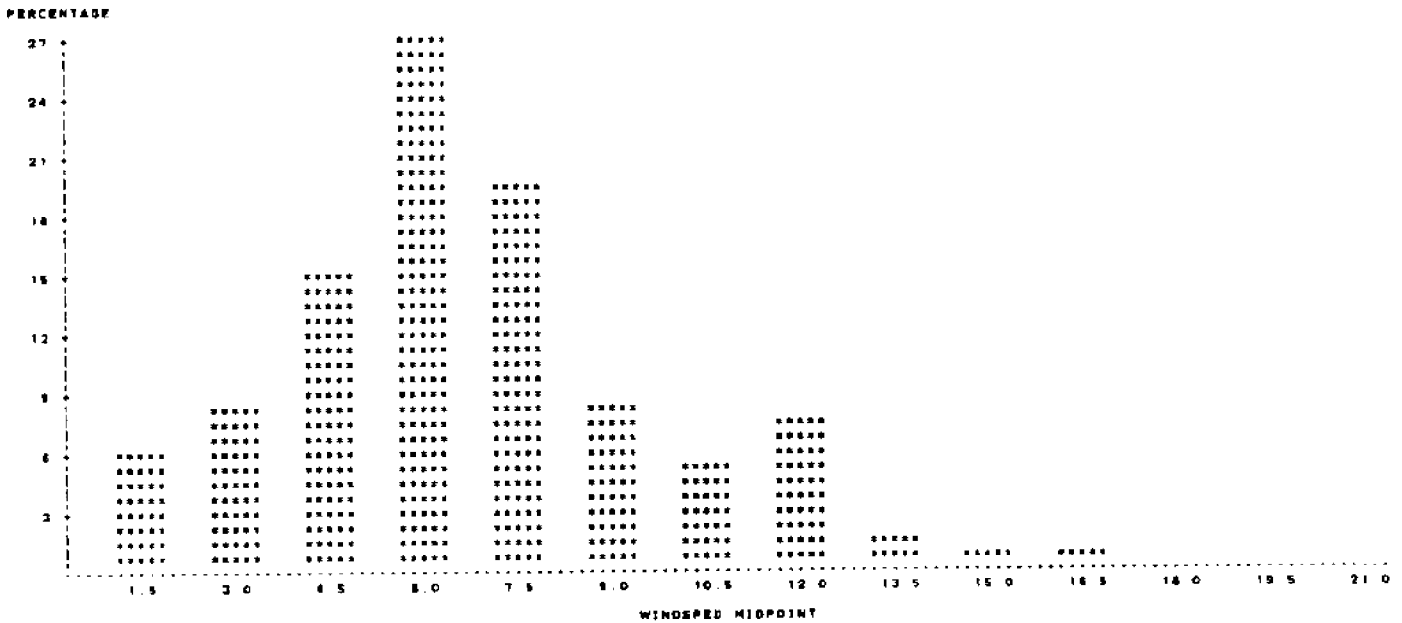


Fig. 1



HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 JANUARY 1982

PERCENTAGE BAR CHART

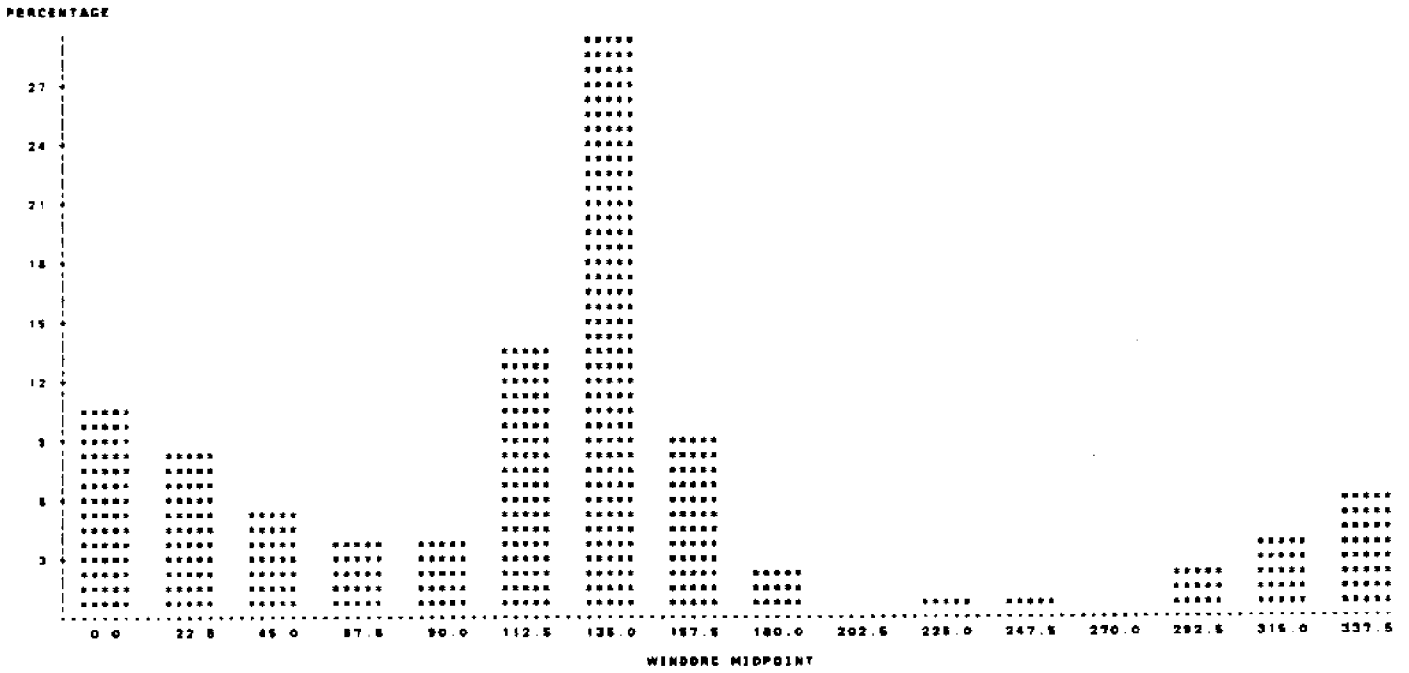


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 JANUARY 1982

PERCENTAGE BAR CHART

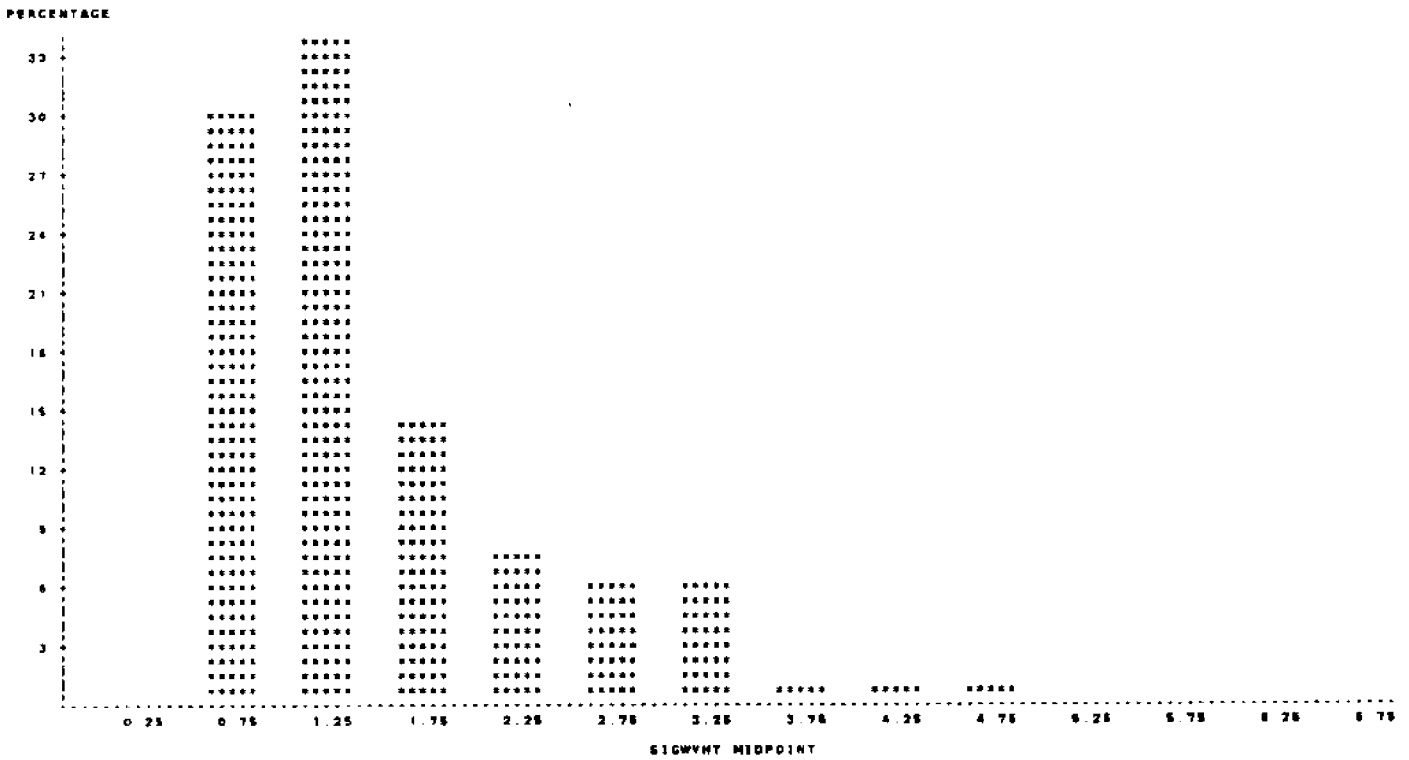


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 JANUARY 1982

PERCENTAGE BAR CHART

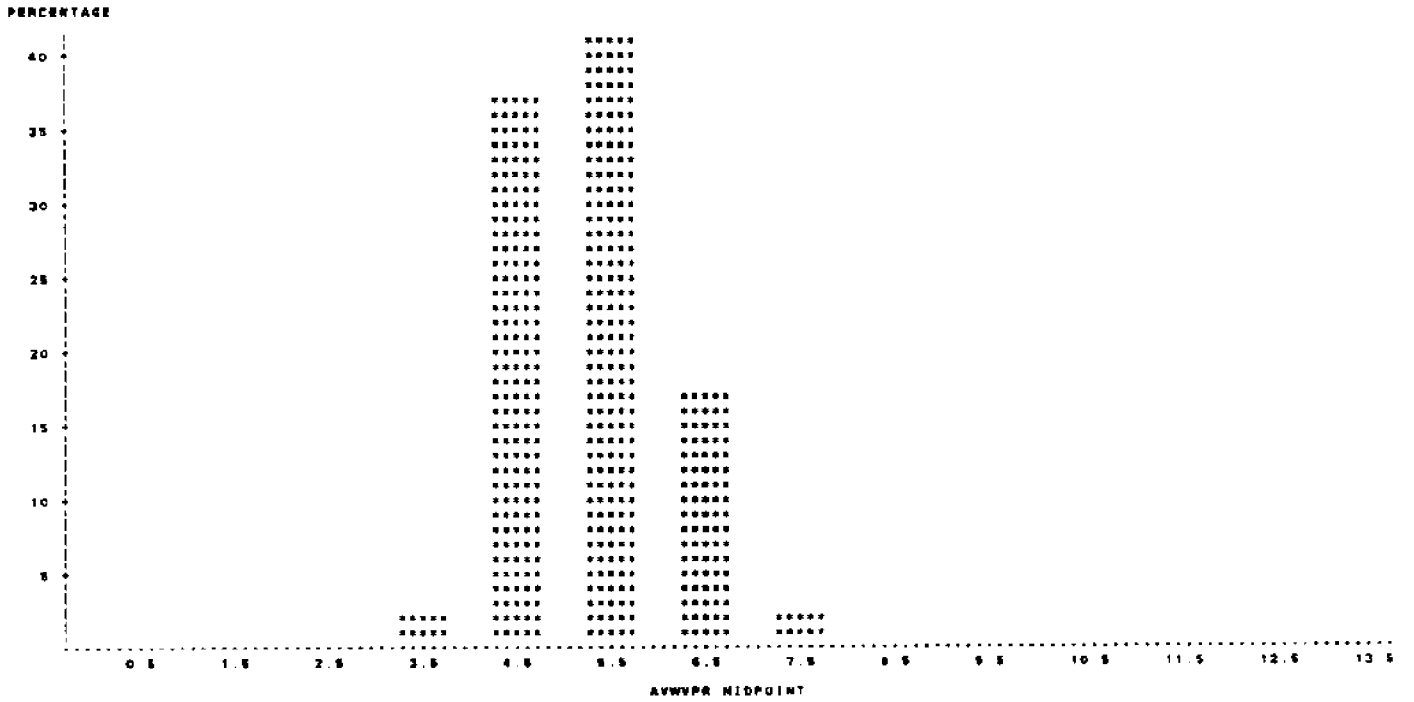


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 JANUARY 1982

TABLE OF AVWVPR BY SIGWVHT

AVWVPR	SIGWVHT									TOTAL	
FREQUENCY	<1.0	<1.5	<2.0	<2.5	<3.0	<3.5	<4.0	<4.5	<5.0		
PERCENT											
ROW PCT											
COL PCT											
<4.0	18 2.44 100.00 5.11	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	18 2.44
<5.0	138 18.81 50.18 52.61	128 17.48 48.57 51.80	8 1.22 3.28 3.88	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	277 37.48
<6.0	87 7.11 18.87 25.88	118 15.97 38.07 47.20	80 10.83 26.89 75.92	33 4.47 10.93 81.11	13 1.78 4.30 30.85	1 0.14 0.33 2.22	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	302 40.87
<7.0	8 1.08 5.40 3.80	3 0.41 2.40 1.20	15 2.03 12.00 14.42	21 2.84 16.80 38.89	25 3.78 22.40 86.87	42 5.68 33.60 83.33	4 0.54 3.20 80.00	4 0.54 3.20 80.00	4 0.54 3.20 80.00	0 0.00 0.00 0.00	125 16.91
<8.0	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.16 5.88 2.38	2 0.27 11.78 4.64	4 0.54 23.83 60.00	4 0.54 23.83 60.00	4 0.54 23.83 60.00	6 0.81 38.28 100.00	17 2.30
TOTAL	222 30.04	260 33.63	104 14.07	54 7.31	82 10.94	45 6.09	8 1.08	8 1.08	8 1.08	8 1.08	738 100.00

Table 2

DAILY STATISTICS  
BUDY #42002 JANUARY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	23.067	0.368	22.800	23.800
SEATEMP	24	23.417	0.319	23.100	24.000
WINDSPED	23	2.326	0.808	0.800	3.800
SIGWVHT	24	0.954	0.126	0.700	1.200
AVWVPR	24	8.042	0.366	8.400	8.800
----- DAY#2 -----					
AIRTEMP	24	23.282	0.389	22.800	24.000
SEATEMP	24	23.233	0.174	23.100	23.800
WINDSPED	24	8.163	1.586	2.900	8.300
SIGWVHT	24	0.833	0.241	0.800	1.400
AVWVPR	24	4.482	0.404	3.900	5.800
----- DAY#3 -----					
AIRTEMP	24	23.633	0.381	23.100	24.200
SEATEMP	24	23.133	0.048	23.100	23.300
WINDSPED	24	6.867	1.281	4.800	8.800
SIGWVHT	24	1.506	0.169	1.200	1.900
AVWVPR	24	6.237	0.265	6.800	6.800
----- DAY#4 -----					
AIRTEMP	24	20.875	2.151	18.100	23.800
SEATEMP	24	23.017	0.148	22.800	23.200
WINDSPED	23	4.588	5.143	0.300	18.000
SIGWVHT	24	3.423	0.788	1.800	3.900
AVWVPR	24	6.067	0.614	4.900	6.900
----- DAY#5 -----					
AIRTEMP	24	18.875	1.307	17.800	21.800
SEATEMP	24	22.768	0.083	22.800	22.900
WINDSPED	24	6.863	1.671	2.800	8.000
SIGWVHT	24	1.467	0.439	1.000	2.300
AVWVPR	24	8.398	0.351	8.800	8.900
----- DAY#6 -----					
AIRTEMP	24	22.775	0.601	21.800	23.800
SEATEMP	24	22.768	0.184	22.900	23.100
WINDSPED	24	6.817	1.313	3.300	7.800
SIGWVHT	24	1.004	0.091	0.800	1.200
AVWVPR	24	6.904	0.206	6.800	6.200

Table 3

DAILY STATISTICS  
BUDY #42002 JANUARY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	23	23.326	0.303	23.000	24.200
SEATEMP	23	22.804	0.212	22.700	23.400
WINDSPED	23	6.017	1.888	0.800	7.800
SIGWVHT	23	1.103	0.081	1.000	1.200
AVWVPR	23	4.836	0.147	4.700	5.200
----- DAY#8 -----					
AIRTEMP	24	19.888	1.849	17.300	23.300
SEATEMP	24	22.812	0.142	22.800	23.200
WINDSPED	24	9.129	2.830	3.200	12.600
SIGWVHT	24	2.129	0.800	0.800	3.100
AVWVPR	24	5.842	0.810	3.900	6.600
----- DAY#9 -----					
AIRTEMP	24	18.888	0.238	18.800	17.400
SEATEMP	24	22.984	0.051	22.800	22.400
WINDSPED	24	6.286	1.089	4.800	6.400
SIGWVHT	24	1.671	0.283	1.200	2.200
AVWVPR	24	6.433	0.278	6.000	6.000
----- DAY#10 -----					
AIRTEMP	23	17.613	0.563	17.000	18.800
SEATEMP	23	22.483	0.629	22.400	22.900
WINDSPED	23	3.226	1.586	0.700	6.800
SIGWVHT	23	0.862	0.170	0.800	1.200
AVWVPR	23	4.836	0.288	4.300	5.200
----- DAY#11 -----					
AIRTEMP	23	13.762	2.877	11.100	18.000
SEATEMP	23	22.174	0.088	22.000	22.400
WINDSPED	23	10.096	3.827	5.100	13.600
SIGWVHT	23	2.863	0.900	0.800	3.700
AVWVPR	23	6.062	1.046	3.800	6.800
----- DAY#12 -----					
AIRTEMP	24	17.868	3.213	12.800	21.700
SEATEMP	24	22.133	0.066	22.000	22.200
WINDSPED	24	6.729	2.492	4.800	12.600
SIGWVHT	24	1.982	0.411	1.400	2.700
AVWVPR	24	6.812	0.490	6.800	6.600

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 JANUARY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:13 -----					
AIRTEMP	24	20.556	1.014	18.300	22.000
SEATEMP	24	22.082	0.050	22.000	22.200
WINDSPED	24	5.171	2.289	2.500	13.100
SIGWVHT	24	1.812	0.221	1.500	2.400
AVWVPR	24	5.800	0.381	5.100	6.100
----- DAY:14 -----					
AIRTEMP	24	11.637	1.888	8.300	15.000
SEATEMP	24	21.788	0.141	21.500	22.000
WINDSPED	24	12.804	3.488	5.800	17.800
SIGWVHT	24	4.023	0.714	2.500	4.900
AVWVPR	24	7.182	0.487	5.700	7.800
----- DAY:15 -----					
AIRTEMP	24	18.276	2.473	12.300	19.300
SEATEMP	24	21.554	0.118	21.400	21.700
WINDSPED	24	4.504	2.388	0.400	8.000
SIGWVHT	24	1.108	0.482	0.800	2.300
AVWVPR	24	4.787	0.855	3.700	5.800
----- DAY:16 -----					
AIRTEMP	24	20.904	0.884	19.400	22.000
SEATEMP	24	21.850	0.078	21.500	21.800
WINDSPED	24	5.887	0.783	4.700	7.400
SIGWVHT	24	0.878	0.081	0.800	1.000
AVWVPR	24	4.360	0.285	3.900	4.800
----- DAY:17 -----					
AIRTEMP	24	18.804	1.185	17.500	21.700
SEATEMP	24	21.571	0.082	21.500	21.700
WINDSPED	24	8.033	2.033	3.400	10.800
SIGWVHT	24	1.517	0.488	0.900	2.300
AVWVPR	24	5.329	0.637	4.400	6.200
----- DAY:18 -----					
AIRTEMP	22	21.859	0.844	18.000	22.400
SEATEMP	22	21.649	0.101	21.500	21.800
WINDSPED	22	6.836	0.936	4.500	8.300
SIGWVHT	22	1.281	0.082	1.100	1.400
AVWVPR	22	5.088	0.242	4.800	5.700

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 JANUARY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:19 -----					
AIRTEMP	24	22.292	0.285	21.800	22.800
SEATEMP	24	21.787	0.185	21.500	22.100
WINDSPED	24	5.721	1.427	4.100	8.000
SIGWVHT	24	1.217	0.085	1.100	1.400
AVWVPR	24	4.848	0.277	4.400	5.300
----- DAY:20 -----					
AIRTEMP	24	22.287	0.317	21.800	22.900
SEATEMP	24	21.887	0.090	21.800	21.900
WINDSPED	24	5.295	1.189	4.700	8.800
SIGWVHT	24	1.137	0.121	0.800	1.300
AVWVPR	24	4.821	0.243	4.400	5.400
----- DAY:21 -----					
AIRTEMP	24	22.017	0.434	21.500	22.800
SEATEMP	24	21.828	0.171	21.800	22.100
WINDSPED	24	4.800	1.238	2.500	6.500
SIGWVHT	24	1.067	0.131	0.800	1.300
AVWVPR	24	5.071	0.192	4.800	5.400
----- DAY:22 -----					
AIRTEMP	24	22.304	0.340	21.800	22.800
SEATEMP	24	21.748	0.102	21.800	22.000
WINDSPED	24	5.808	1.542	4.200	9.200
SIGWVHT	24	1.188	0.232	0.900	1.600
AVWVPR	24	4.848	0.270	4.300	5.300
----- DAY:23 -----					
AIRTEMP	24	21.883	0.538	20.400	22.500
SEATEMP	24	21.848	0.072	21.800	21.800
WINDSPED	24	5.137	2.378	0.300	10.000
SIGWVHT	24	1.300	0.187	1.000	1.700
AVWVPR	24	5.283	0.228	4.900	5.800
----- DAY:24 -----					
AIRTEMP	24	19.887	0.811	18.000	20.800
SEATEMP	24	21.612	0.108	21.400	21.800
WINDSPED	24	7.263	0.852	5.000	9.800
SIGWVHT	24	1.937	0.333	1.200	2.400
AVWVPR	24	5.250	0.285	4.800	5.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 JANUARY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	21.837	0.883	20.800	22.800
SEATEMP	24	21.780	0.324	21.500	22.400
WINDSPED	24	3.428	2.218	0.800	8.800
SIGWHT	24	1.021	0.180	0.800	1.300
AVWVPR	24	5.182	0.250	4.800	5.500
----- DAY:26 -----					
AIRTEMP	24	20.146	1.507	18.000	22.100
SEATEMP	24	21.848	0.331	21.300	22.200
WINDSPED	24	3.033	3.384	2.400	12.200
SIGWHT	24	1.788	1.088	0.800	3.800
AVWVPR	24	6.887	0.830	4.100	7.100
----- DAY:27 -----					
AIRTEMP	24	18.925	1.349	17.800	21.300
SEATEMP	24	22.075	0.094	22.000	22.300
WINDSPED	24	5.183	0.893	5.000	7.700
SIGWHT	24	1.782	0.818	1.100	3.000
AVWVPR	24	8.029	0.678	4.900	7.100
----- DAY:28 -----					
AIRTEMP	24	22.033	0.387	21.400	22.700
SEATEMP	24	21.882	0.083	21.900	22.100
WINDSPED	24	5.771	1.088	3.200	7.800
SIGWHT	24	0.982	0.082	0.800	1.200
AVWVPR	24	4.821	0.105	4.400	4.800
----- DAY:29 -----					
AIRTEMP	24	22.478	0.304	22.100	23.000
SEATEMP	24	21.867	0.082	21.900	22.100
WINDSPED	24	7.329	1.298	3.600	9.200
SIGWHT	24	1.317	0.358	0.900	2.100
AVWVPR	24	4.887	0.389	4.400	5.800
----- DAY:30 -----					
AIRTEMP	24	22.908	0.288	22.500	23.300
SEATEMP	24	21.984	0.088	21.800	22.100
WINDSPED	24	11.487	0.805	10.000	12.800
SIGWHT	24	2.837	0.389	2.200	3.800
AVWVPR	24	8.183	0.427	5.800	8.800

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 JANUARY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:31 -----					
AIRTEMP	24	19.142	2.580	18.800	23.100
SEATEMP	24	21.883	0.078	21.800	22.000
WINDSPED	24	8.887	2.178	5.700	12.800
SIGWHT	24	2.928	0.453	2.100	3.700
AVWVPR	24	8.487	0.384	8.800	7.000

Table 3 (continue)

42002 FEBRUARY 1982

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 FEBRUARY 1962

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	870	20.880	2.588	14.800	24.800	10.000	-0.848	-0.573
SEATEMP	870	22.450	0.840	21.000	24.500	3.500	0.198	-0.718
BAROMTR	870	1018.238	4.072	1009.700	1027.500	18.800	-0.044	-0.348
WINDSPD	888	8.828	2.380	0.800	13.800	13.000	-0.077	-0.080
WINDDRC	870	128.001	97.324	0.200	350.000	350.800	0.838	0.088
SIGWVHT	888	1.411	0.580	0.800	3.400	2.600	1.008	0.848
AVWVPR	888	5.162	0.713	3.500	8.800	5.300	0.244	-0.778

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 FEBRUARY 1962

PERCENTAGE BAR CHART

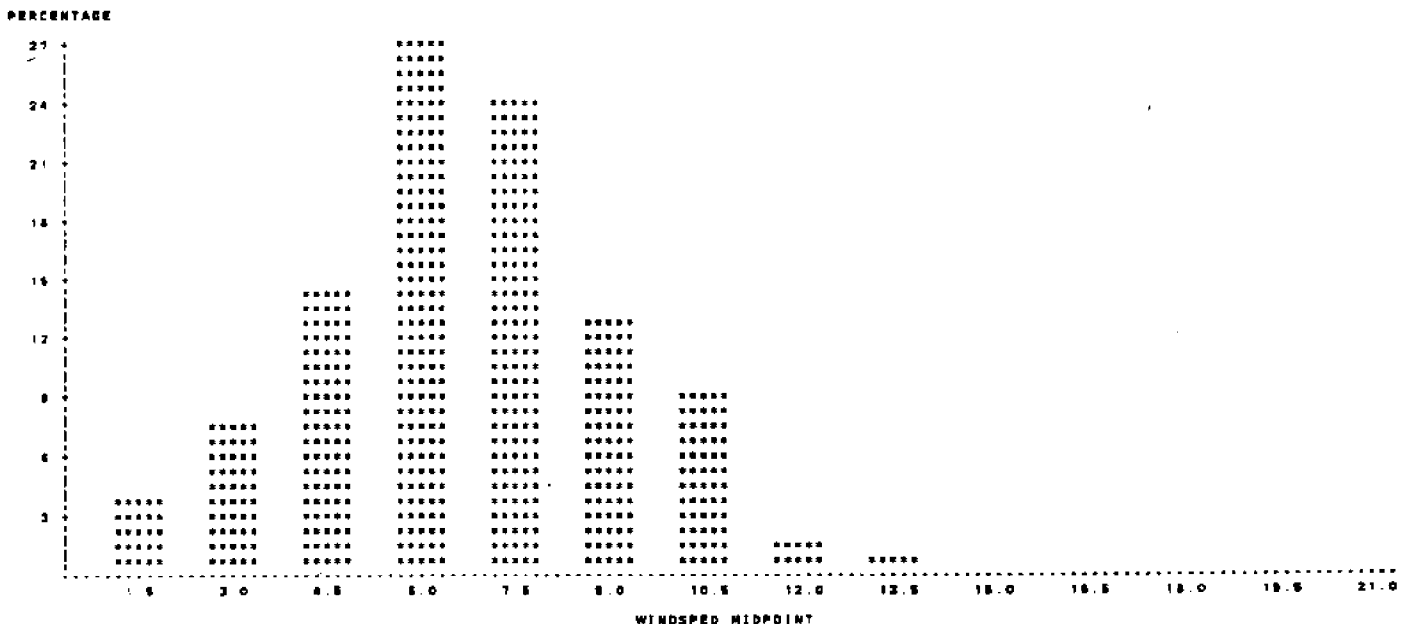


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUOY #42002 FEBRUARY 1962

PERCENTAGE BAR CHART

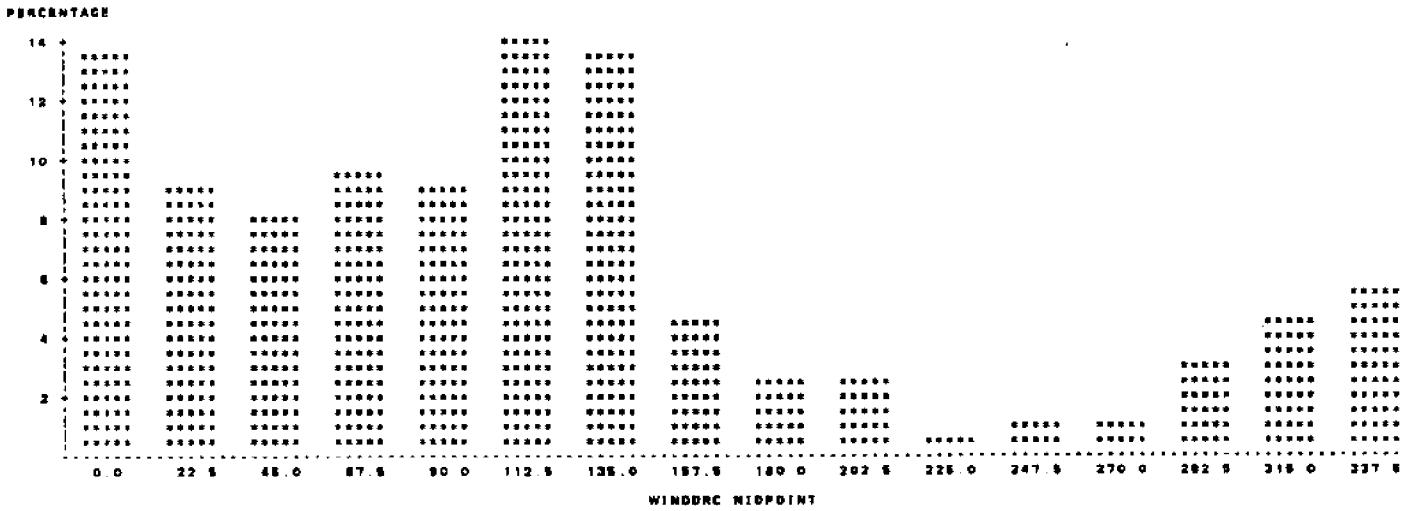


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUOY #42002 FEBRUARY 1962

PERCENTAGE BAR CHART

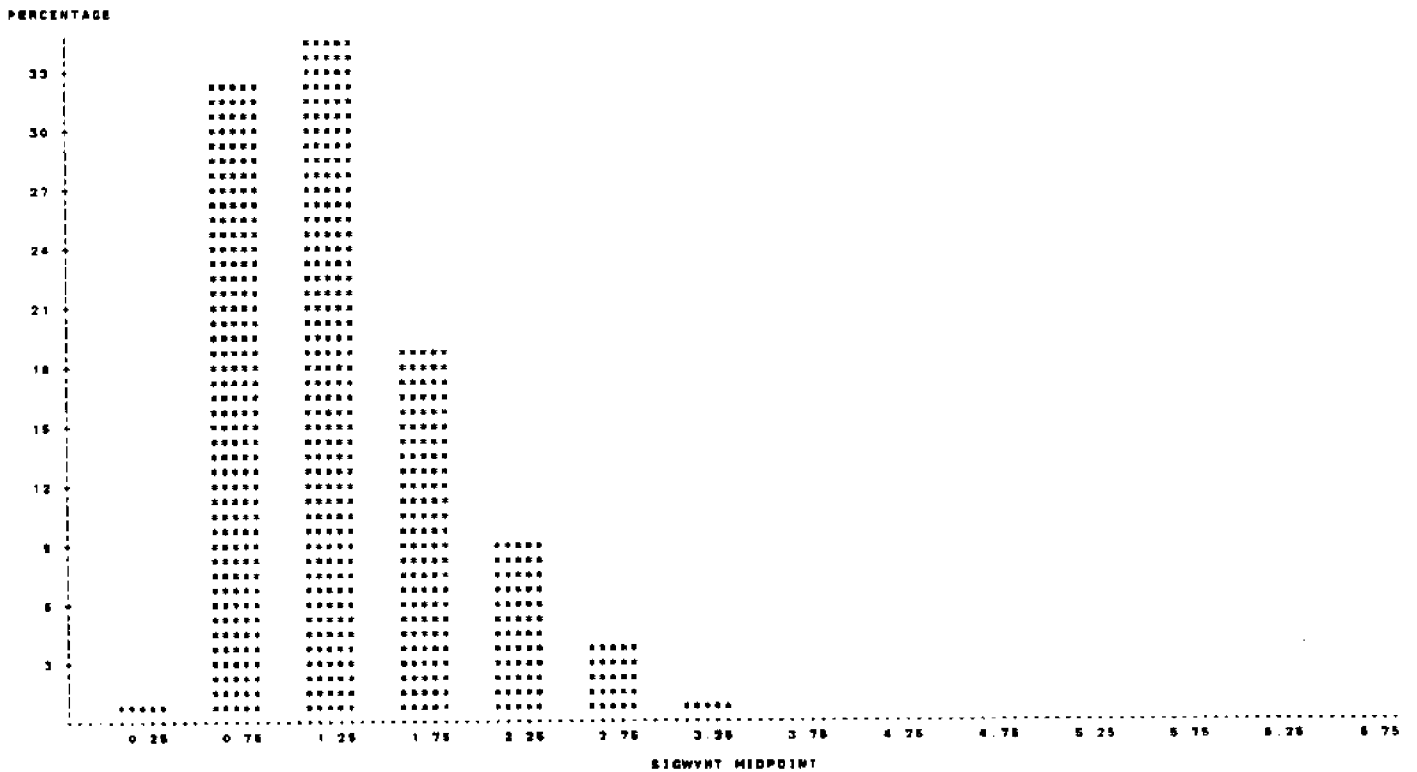


Fig. 3



HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 FEBRUARY 1962

PERCENTAGE BAR CHART

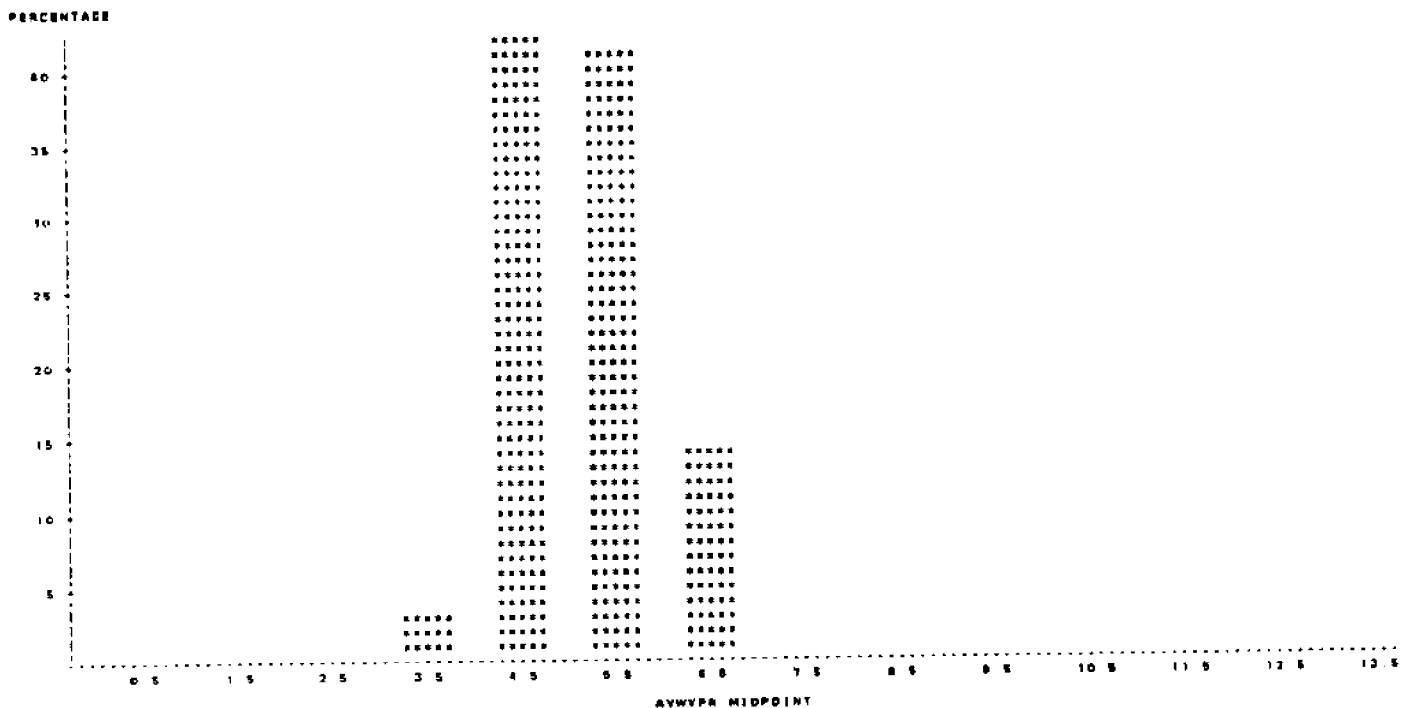


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 FEBRUARY 1962

TABLE OF AVWVPR BY SIGWVHT

AVWVPR	SIGWVHT	SIGNIFICANT HEIGHTS							TOTAL
		<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	
	15	0	0	0	0	0	0	0	
<=4.0		0	0	21	0	0	0	0	21
		0.00	3.21	0.00	0.00	0.00	0.00	0.00	3.21
		0.00	100.00	0.00	0.00	0.00	0.00	0.00	
		0.00	8.91	0.00	0.00	0.00	0.00	0.00	
<=5.0		0	2	183	118	4	0	0	277
		0.31	23.36	14.02	0.61	0.00	0.00	0.00	42.28
		0.72	58.23	42.80	1.48	0.00	0.00	0.00	
		88.87	72.17	62.21	3.31	0.00	0.00	0.00	
<=6.0		0	1	38	105	103	18	2	267
		0.15	5.80	18.03	18.73	2.78	0.31	0.00	40.78
		0.37	14.23	39.33	28.88	8.74	0.75	0.00	
		33.33	17.92	48.48	88.12	29.51	8.00	0.00	
<=7.0		0	0	3	14	43	23	7	90
		0.00	0.00	0.45	2.14	8.56	3.81	1.07	13.74
		0.00	0.00	3.33	18.88	47.78	25.56	7.78	
		0.00	0.00	1.33	11.87	70.48	82.00	100.00	
TOTAL		3	212	226	121	81	26	7	856
		0.46	32.37	34.60	18.47	9.31	3.82	1.07	100.00

Table 2

DAILY STATISTICS  
 BUDY #42002 FEBRUARY 1962

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:1 -----					
AIRTEMP	24	17.505	1.620	15.800	18.800
SEATEMP	24	21.871	0.062	21.800	21.800
WINDSPED	24	6.575	1.624	5.000	10.500
SIGWVHT	24	1.445	0.678	1.100	3.200
AVWVPR	24	5.478	0.538	5.200	5.900
----- DAY:2 -----					
AIRTEMP	24	21.858	0.687	19.800	22.800
SEATEMP	24	21.850	0.152	21.400	21.800
WINDSPED	24	5.821	1.058	3.300	7.800
SIGWVHT	24	1.071	0.082	1.000	1.200
AVWVPR	24	4.945	0.153	4.600	5.200
----- DAY:3 -----					
AIRTEMP	24	20.137	1.629	17.500	22.400
SEATEMP	24	21.748	0.189	21.500	22.000
WINDSPED	24	4.575	2.788	1.000	10.300
SIGWVHT	24	1.328	0.381	0.800	1.800
AVWVPR	24	5.137	0.202	4.800	5.500
----- DAY:4 -----					
AIRTEMP	24	19.154	1.347	17.300	21.100
SEATEMP	24	22.028	0.283	21.800	22.400
WINDSPED	24	7.721	1.387	5.400	8.800
SIGWVHT	23	1.787	0.229	1.400	2.200
AVWVPR	23	5.578	0.185	5.200	5.800
----- DAY:5 -----					
AIRTEMP	24	22.337	0.777	20.800	23.400
SEATEMP	24	22.517	0.316	22.200	23.200
WINDSPED	24	5.808	2.167	2.400	8.900
SIGWVHT	24	1.850	0.183	1.500	2.200
AVWVPR	24	5.137	0.327	5.700	5.800
----- DAY:6 -----					
AIRTEMP	24	19.448	2.557	18.400	22.800
SEATEMP	24	22.400	0.315	21.900	23.000
WINDSPED	24	8.017	3.248	3.000	11.800
SIGWVHT	24	1.871	0.577	1.100	3.000
AVWVPR	24	5.854	0.448	5.100	6.500

Table 3

DAILY STATISTICS  
 BUDY #42002 FEBRUARY 1962

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:7 -----					
AIRTEMP	24	17.748	1.458	15.800	20.800
SEATEMP	24	22.808	0.270	22.000	22.800
WINDSPED	24	8.687	1.341	6.500	10.500
SIGWVHT	24	2.200	0.234	1.800	2.800
AVWVPR	24	5.097	0.223	5.800	5.500
----- DAY:8 -----					
AIRTEMP	24	22.821	0.548	21.300	23.300
SEATEMP	24	22.071	0.424	21.600	22.800
WINDSPED	24	8.188	0.663	7.000	8.200
SIGWVHT	23	1.556	0.143	1.300	1.800
AVWVPR	23	5.157	0.297	4.700	5.800
----- DAY:9 -----					
AIRTEMP	24	22.708	1.447	19.000	24.800
SEATEMP	24	22.888	0.408	22.100	23.800
WINDSPED	23	6.983	3.824	0.800	13.800
SIGWVHT	24	1.258	0.338	1.000	2.100
AVWVPR	24	4.850	0.217	4.300	5.200
----- DAY:10 -----					
AIRTEMP	24	18.158	0.792	17.100	19.800
SEATEMP	24	21.804	0.781	21.000	23.100
WINDSPED	24	8.482	2.285	6.800	13.100
SIGWVHT	24	2.383	0.595	1.500	3.400
AVWVPR	24	5.217	0.288	5.700	6.900
----- DAY:11 -----					
AIRTEMP	24	18.895	0.545	18.000	21.100
SEATEMP	24	23.145	0.098	23.000	23.300
WINDSPED	24	9.355	1.218	7.300	11.000
SIGWVHT	24	1.721	0.228	1.400	2.200
AVWVPR	24	5.387	0.233	5.000	5.800
----- DAY:12 -----					
AIRTEMP	24	22.328	0.784	20.400	23.500
SEATEMP	24	22.092	0.289	21.600	22.900
WINDSPED	24	5.279	2.647	1.300	10.100
SIGWVHT	21	1.425	0.287	1.000	1.900
AVWVPR	21	5.475	0.260	4.800	5.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 FEBRUARY 1992

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	18.346	1.738	16.200	20.800
SEATEMP	24	21.837	0.283	21.300	22.200
WINDSPED	24	8.078	1.800	6.000	11.800
SIGWVHT	24	1.886	0.311	1.100	2.800
AVWVPR	24	5.571	0.886	4.400	6.400
----- DAY#14 -----					
AIRTEMP	24	19.087	1.522	16.500	21.800
SEATEMP	24	22.217	0.188	22.000	22.800
WINDSPED	24	8.176	1.807	3.300	10.800
SIGWVHT	24	1.321	0.236	1.000	1.800
AVWVPR	24	5.187	0.482	4.300	6.000
----- DAY#15 -----					
AIRTEMP	22	22.823	0.824	21.800	23.700
SEATEMP	22	22.441	0.346	22.100	23.000
WINDSPED	22	7.400	1.037	5.400	8.400
SIGWVHT	22	1.418	0.088	1.200	1.800
AVWVPR	22	4.888	0.178	4.800	5.100
----- DAY#16 -----					
AIRTEMP	24	22.787	0.412	22.000	23.300
SEATEMP	24	22.833	0.181	22.500	23.000
WINDSPED	24	4.342	1.806	1.500	7.700
SIGWVHT	17	1.186	0.117	1.000	1.400
AVWVPR	17	5.188	0.276	4.800	5.400
----- DAY#17 -----					
AIRTEMP	24	22.021	0.895	21.000	23.800
SEATEMP	24	23.028	0.607	22.500	24.500
WINDSPED	24	2.382	1.687	0.800	6.000
SIGWVHT	21	0.724	0.070	0.800	0.800
AVWVPR	21	5.243	0.374	4.400	5.900
----- DAY#18 -----					
AIRTEMP	24	23.228	0.380	22.800	23.800
SEATEMP	24	22.733	0.842	21.700	23.800
WINDSPED	24	4.817	1.124	2.200	8.200
SIGWVHT	24	0.700	0.118	0.500	0.900
AVWVPR	24	4.417	0.472	3.800	5.400

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 FEBRUARY 1992

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	23.392	0.204	23.100	23.800
SEATEMP	24	23.382	0.141	23.200	23.700
WINDSPED	24	7.142	0.871	5.400	9.000
SIGWVHT	24	0.800	0.088	0.800	1.000
AVWVPR	24	4.187	0.127	4.000	4.500
----- DAY#20 -----					
AIRTEMP	24	23.287	0.216	23.000	23.700
SEATEMP	24	23.137	0.384	22.400	23.800
WINDSPED	24	5.928	1.814	3.200	8.300
SIGWVHT	24	0.887	0.078	0.800	1.000
AVWVPR	24	4.287	0.137	4.000	4.500
----- DAY#21 -----					
AIRTEMP	24	22.546	0.848	20.800	23.100
SEATEMP	24	23.087	0.346	22.800	23.800
WINDSPED	24	8.882	1.881	2.000	8.800
SIGWVHT	24	0.932	0.070	0.700	0.800
AVWVPR	24	4.288	0.221	4.000	4.700
----- DAY#22 -----					
AIRTEMP	24	21.884	0.570	21.100	23.100
SEATEMP	24	23.533	0.155	23.300	23.800
WINDSPED	24	5.521	1.414	3.800	8.900
SIGWVHT	24	0.826	0.322	0.800	1.600
AVWVPR	24	4.387	0.472	3.800	5.200
----- DAY#23 -----					
AIRTEMP	24	22.078	0.426	21.400	22.800
SEATEMP	24	22.232	0.837	21.800	23.600
WINDSPED	24	5.686	0.861	5.100	8.100
SIGWVHT	24	1.133	0.131	1.000	1.400
AVWVPR	24	4.878	0.267	4.500	5.300
----- DAY#24 -----					
AIRTEMP	24	22.808	0.503	22.100	23.800
SEATEMP	24	22.812	0.573	21.800	23.400
WINDSPED	24	8.417	0.861	5.000	8.100
SIGWVHT	24	0.867	0.070	0.800	1.100
AVWVPR	24	4.343	0.180	4.000	4.700

Table 3 (continue)

DAILY STATISTICS  
 SUOY #42002 FEBRUARY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	23.054	0.218	22.800	23.800
SEATEMP	24	22.712	0.283	22.200	23.200
WINDSPED	24	6.982	1.042	5.800	8.300
SIGWYHT	24	7.028	0.085	0.800	1.200
AVWYPR	24	4.382	0.132	4.100	4.600
----- DAY#26 -----					
AIRTEMP	24	21.079	2.882	16.000	23.200
SEATEMP	24	22.171	0.199	21.800	22.800
WINDSPED	24	7.825	2.284	3.700	11.800
SIGWYHT	24	1.886	0.580	1.200	3.000
AVWYPR	24	5.028	0.631	4.400	6.300
----- DAY#27 -----					
AIRTEMP	24	18.082	0.328	16.800	18.800
SEATEMP	24	21.882	0.183	21.700	22.200
WINDSPED	24	7.528	1.842	4.800	11.200
SIGWYHT	24	2.287	0.531	1.600	3.400
AVWYPR	24	6.225	0.347	5.800	6.800
----- DAY#28 -----					
AIRTEMP	24	18.478	0.847	14.700	17.800
SEATEMP	24	22.854	0.388	21.800	23.100
WINDSPED	24	4.687	1.054	2.400	5.800
SIGWYHT	24	1.082	0.241	0.800	1.800
AVWYPR	24	5.104	0.378	4.400	5.800

Table 3 (continue)

42002 MARCH 1982

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 MARCH 1982

Table 1

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BAROMTR BAROMETER (MM)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRC WIND DIRECTION (DEGREES FROM TRUE NORTH)  
 SIGWVHT SIGNIFICANT WAVE HEIGHTS (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKENNESS	KURTOSIS
AIRTEMP	728	22.233	2.788	14.000	25.800	11.800	-1.549	1.412
SEATEMP	728	23.843	0.528	21.700	26.400	4.700	-0.055	-0.905
BAROMTR	728	1014.845	5.344	1004.500	1028.000	24.400	0.849	0.043
WINDSPED	727	8.337	2.822	0.200	14.300	14.100	0.112	0.023
WINDDRC	728	124.473	72.784	0.400	358.300	358.000	1.350	2.890
SIGWVHT	728	1.330	0.685	0.400	4.300	3.900	1.841	3.758
AVWVPR	728	5.070	0.781	3.800	7.800	4.200	1.047	0.824

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 MARCH 1982  
 PERCENTAGE BAR CHART

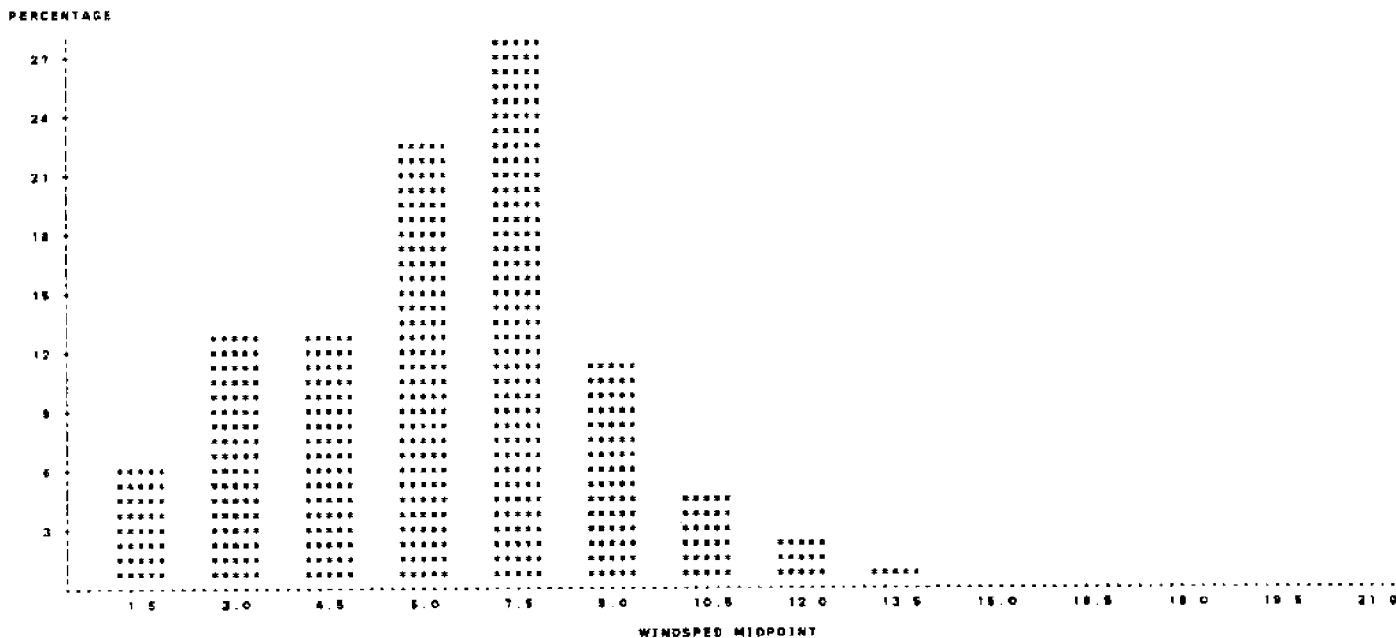


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 STUDY #42002 MARCH 1982

PERCENTAGE BAR CHART

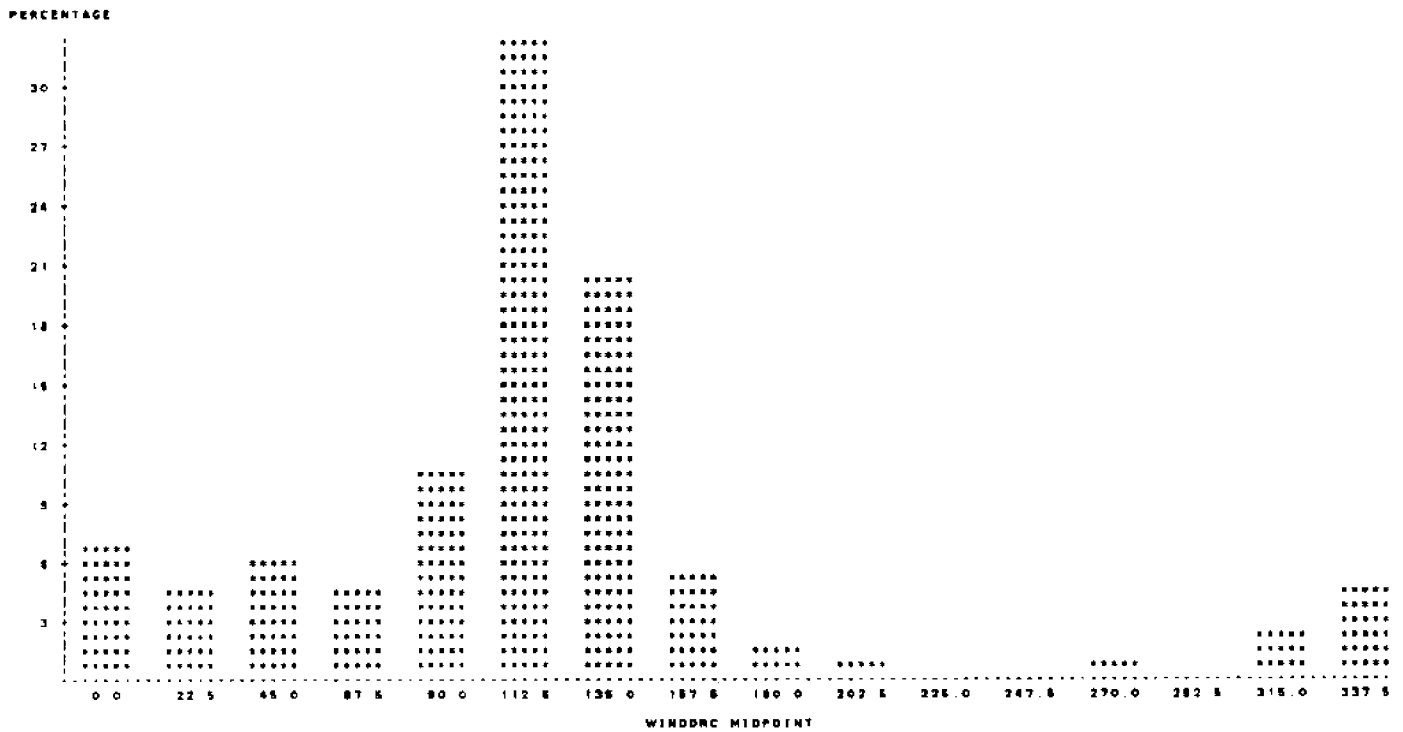


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 STUDY #42002 MARCH 1982

PERCENTAGE BAR CHART

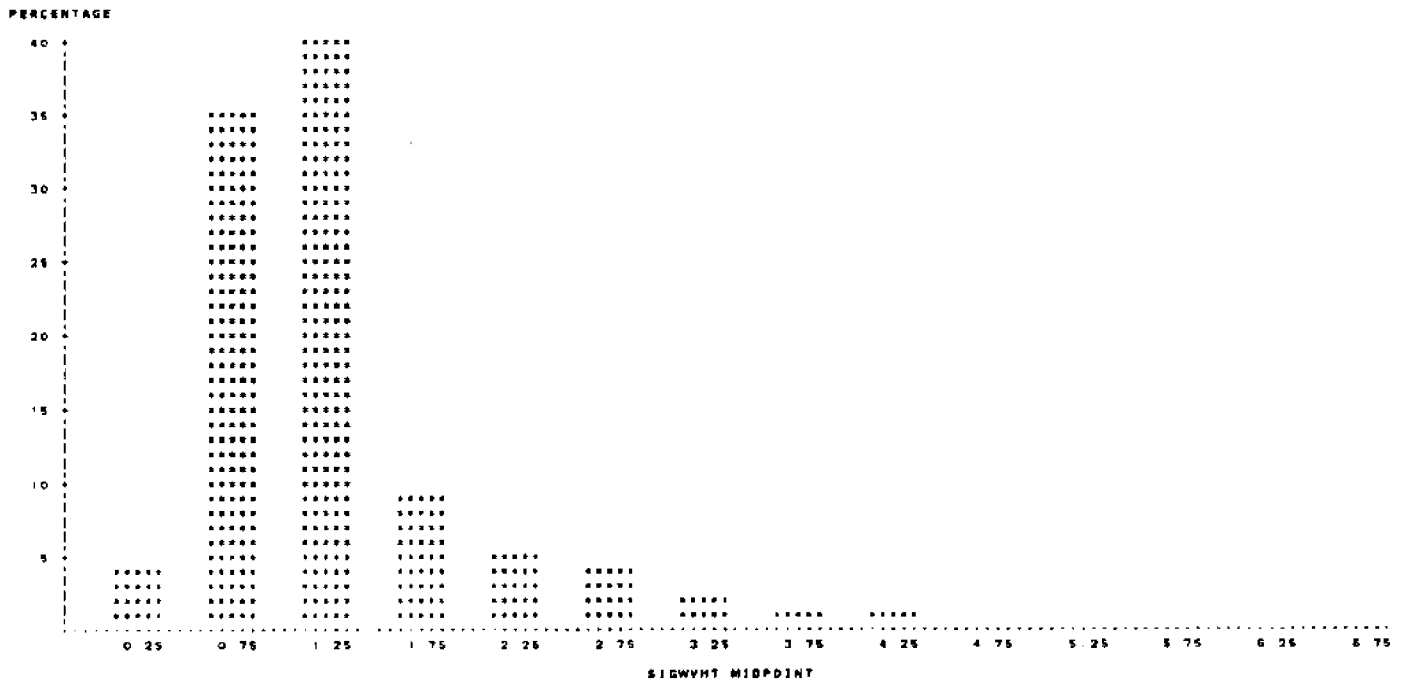


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 MARCH 1982  
 PERCENTAGE BAR CHART

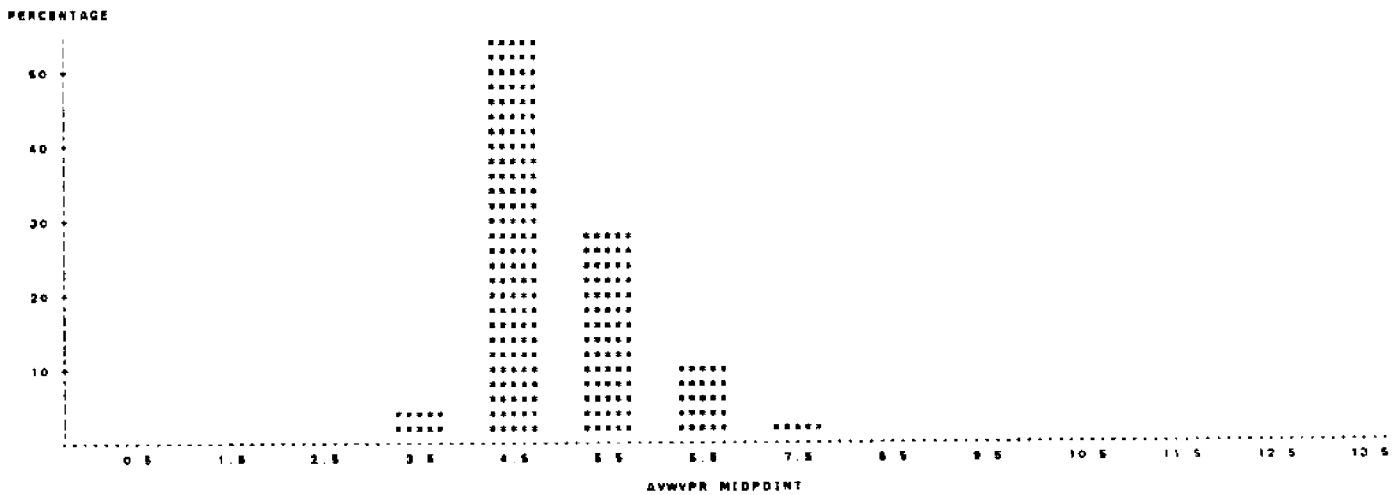


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 MARCH 1982

TABLE OF AVWVPR BY SIGWVHT

AVWVPR	SIGWVHT	FREQUENCY	PERCENT	RDW PCT	CDL PCT	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	<=3.5	<=4.0	<=4.5	TOTAL
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=4.0	0	0	0.00	0.00	0.00	0	33	0	0	0	0	0	0	0	33
			0.00	100.00	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.62
			0.00	0.00	0.00	12.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<=5.0	0	18	25.88	4.02	61.54	187	25.88	46.23	184	11	0	0	0	0	388
			0.00	0.00	0.00	25.88	46.23	2.74	0.00	0.00	0.00	0.00	0.00	0.00	54.87
			0.00	0.00	0.00	72.78	65.48	17.48	0.00	0.00	0.00	0.00	0.00	0.00	
<=6.0	0	10	1.37	4.80	18.68	37	5.08	14.01	102	43	12	0	0	0	204
			0.00	0.00	0.00	14.01	5.81	1.85	0.00	0.00	0.00	0.00	0.00	0.00	24.02
			0.00	0.00	0.00	38.17	21.04	5.84	0.00	0.00	0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	88.25	32.43	0.00	0.00	0.00	0.00	0.00	0.00	
<=7.0	0	0	0.00	0.00	0.00	0	0	4	5	25	25	10	5	1	60
			0.00	0.00	0.00	0.85	1.24	3.43	3.43	3.43	1.37	0.82	0.54	0.14	10.98
			0.00	0.00	0.00	1.38	14.28	57.57	89.28	78.92	85.87	20.00	20.00	20.00	
<=8.0	0	0	0.00	0.00	0.00	0	0	0	0	0	2	3	3	4	13
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.41	0.41	0.55	1.25	1.78
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.08	23.08	23.08	30.77	30.77	
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.71	23.08	33.33	80.00	80.00	
TOTAL		28	3.87	287	39.84	83	6.65	37	6.04	24	3.85	13	1.74	8	724
															100.00

Table 2



DAILY STATISTICS  
BUDY #42002 MARCH 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	23	18.847	0.353	18.100	19.300
SEATEMP	23	23.004	0.148	22.700	23.200
WINDSPED	23	8.743	0.872	8.400	7.900
SIGWVHT	23	1.038	0.178	0.800	1.400
AVWVPR	23	4.857	0.188	4.400	5.000
----- DAY#2 -----					
AIRTEMP	24	17.862	1.202	16.200	18.800
SEATEMP	24	23.112	0.514	22.500	24.200
WINDSPED	24	3.878	1.884	0.700	6.800
SIGWVHT	24	1.004	0.180	0.700	1.300
AVWVPR	24	5.042	0.174	4.700	5.400
----- DAY#3 -----					
AIRTEMP	24	20.171	1.135	18.800	21.800
SEATEMP	24	23.108	0.241	22.700	23.700
WINDSPED	24	5.871	2.370	0.200	8.700
SIGWVHT	24	0.783	0.171	0.500	1.100
AVWVPR	24	4.488	0.833	3.700	5.400
----- DAY#4 -----					
AIRTEMP	24	22.178	0.408	21.700	22.900
SEATEMP	24	22.458	0.158	22.200	22.800
WINDSPED	24	6.817	1.461	4.000	8.100
SIGWVHT	24	1.133	0.178	0.700	1.400
AVWVPR	24	4.512	0.321	3.900	5.100
----- DAY#5 -----					
AIRTEMP	24	22.821	0.356	22.400	23.800
SEATEMP	24	22.300	0.183	21.900	22.800
WINDSPED	24	4.812	2.323	1.100	9.700
SIGWVHT	24	1.004	0.100	0.900	1.200
AVWVPR	24	4.787	0.236	4.300	5.100
----- DAY#6 -----					
AIRTEMP	24	21.150	2.303	18.100	23.300
SEATEMP	24	22.300	0.138	22.100	22.800
WINDSPED	24	8.785	4.248	1.400	13.200
SIGWVHT	24	1.254	0.888	0.700	2.800
AVWVPR	24	5.054	0.812	4.500	6.200

Table 3

DAILY STATISTICS  
BUDY #42002 MARCH 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	14.837	0.744	14.000	15.500
SEATEMP	24	22.804	0.487	22.000	23.200
WINDSPED	24	11.083	7.406	5.400	14.300
SIGWVHT	24	3.142	0.524	2.000	4.100
AVWVPR	24	5.800	0.284	5.100	7.000
----- DAY#8 -----					
AIRTEMP	24	15.829	1.384	14.000	17.900
SEATEMP	24	22.287	0.337	21.700	22.800
WINDSPED	24	3.782	0.914	0.800	5.300
SIGWVHT	24	1.117	0.400	0.800	2.000
AVWVPR	24	5.237	0.411	4.800	6.000
----- DAY#9 -----					
AIRTEMP	23	18.713	1.180	17.800	21.300
SEATEMP	23	22.435	0.304	22.100	22.800
WINDSPED	23	5.870	0.858	3.400	7.200
SIGWVHT	23	0.881	0.090	0.500	0.800
AVWVPR	23	4.044	0.180	3.800	4.500
----- DAY#10 -----					
AIRTEMP	12	21.783	0.307	21.200	22.100
SEATEMP	12	22.942	0.124	22.800	23.100
WINDSPED	12	4.833	1.801	2.800	7.800
SIGWVHT	12	0.887	0.088	0.700	1.000
AVWVPR	12	4.825	0.319	4.000	4.800
----- DAY#11 -----					
AIRTEMP	24	22.867	0.380	21.800	23.100
SEATEMP	24	23.287	0.266	23.000	23.400
WINDSPED	24	5.867	0.476	5.000	7.200
SIGWVHT	24	0.871	0.075	0.700	1.000
AVWVPR	24	4.567	0.240	4.100	4.800
----- DAY#12 -----					
AIRTEMP	24	23.125	0.300	22.800	23.700
SEATEMP	24	23.183	0.236	22.800	23.800
WINDSPED	24	5.096	0.871	4.800	7.300
SIGWVHT	24	0.882	0.101	0.700	1.000
AVWVPR	24	4.686	0.210	4.100	4.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 MARCH 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	23.382	0.372	22.800	23.900
SEATEMP	24	22.712	0.548	22.300	23.800
WINDSPED	24	7.746	0.968	5.100	10.150
SIGWVHT	24	1.128	0.178	0.800	1.400
AVWVPR	24	4.398	0.148	4.100	4.800
----- DAY#14 -----					
AIRTEMP	24	23.528	0.290	22.800	24.100
SEATEMP	24	23.228	0.218	22.800	23.600
WINDSPED	24	7.880	1.278	5.100	10.800
SIGWVHT	24	1.208	0.224	0.900	1.800
AVWVPR	24	4.508	0.328	4.100	5.300
----- DAY#15 -----					
AIRTEMP	23	23.830	0.422	23.000	24.200
SEATEMP	23	23.320	0.198	23.200	23.500
WINDSPED	23	7.382	0.858	5.200	8.300
SIGWVHT	23	1.408	0.071	1.300	1.600
AVWVPR	23	4.982	0.210	4.700	5.500
----- DAY#16 -----					
AIRTEMP	24	23.782	0.387	23.300	24.300
SEATEMP	24	23.500	0.188	23.300	23.800
WINDSPED	24	7.822	1.241	5.800	10.600
SIGWVHT	24	1.682	0.178	1.300	1.800
AVWVPR	24	5.121	0.187	4.800	5.400
----- DAY#17 -----					
AIRTEMP	23	24.022	0.480	23.800	24.700
SEATEMP	23	23.838	0.221	23.700	24.300
WINDSPED	23	8.138	1.887	7.800	8.700
SIGWVHT	23	1.487	0.122	1.300	1.700
AVWVPR	23	5.238	0.175	4.900	5.700
----- DAY#18 -----					
AIRTEMP	24	24.017	0.317	23.800	24.800
SEATEMP	24	24.082	0.171	23.800	24.300
WINDSPED	24	8.727	0.988	8.400	8.800
SIGWVHT	24	1.187	0.074	1.100	1.400
AVWVPR	24	4.829	0.225	4.500	5.300

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	24.078	0.366	23.800	24.700
SEATEMP	24	24.146	0.081	24.100	24.200
WINDSPED	24	7.878	0.738	8.500	9.500
SIGWVHT	24	1.258	0.184	1.100	1.600
AVWVPR	24	4.878	0.228	4.500	5.300
----- DAY#20 -----					
AIRTEMP	24	24.126	0.481	23.700	25.000
SEATEMP	24	24.217	0.134	24.100	24.800
WINDSPED	24	6.888	0.470	5.800	7.800
SIGWVHT	24	1.242	0.147	1.000	1.500
AVWVPR	24	4.821	0.208	4.500	5.200
----- DAY#21 -----					
AIRTEMP	24	24.275	0.480	23.700	25.000
SEATEMP	24	24.221	0.187	24.100	24.800
WINDSPED	24	7.867	0.915	6.400	10.400
SIGWVHT	24	1.437	0.124	1.200	1.700
AVWVPR	24	4.888	0.128	4.800	5.100
----- DAY#22 -----					
AIRTEMP	24	24.112	0.278	23.700	24.800
SEATEMP	24	24.882	0.147	24.800	24.900
WINDSPED	24	3.875	1.038	1.800	5.800
SIGWVHT	24	1.042	0.204	0.800	1.800
AVWVPR	24	5.182	0.195	4.800	5.800
----- DAY#23 -----					
AIRTEMP	24	24.517	0.681	23.700	25.800
SEATEMP	24	24.804	0.282	24.400	25.400
WINDSPED	24	5.883	2.505	1.400	9.800
SIGWVHT	24	1.137	0.238	0.700	1.800
AVWVPR	24	4.825	0.288	4.300	5.300
----- DAY#24 -----					
AIRTEMP	24	24.821	0.457	24.000	25.400
SEATEMP	24	24.898	0.201	24.800	25.400
WINDSPED	24	3.023	1.248	0.500	5.100
SIGWVHT	24	0.812	0.162	0.700	1.200
AVWVPR	24	5.025	0.196	4.800	5.400

Table 3 (continue)

DAILY STATISTICS  
 BUOY #42002 MARCH 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY-25 -----					
AIRTEMP	24	24.848	0.589	24.000	25.800
SEATEMP	24	25.182	0.518	24.800	25.400
WINDSPED	23	2.300	0.821	1.100	4.800
SIGWVHT	24	0.882	0.055	0.400	0.800
AVWVPR	24	5.785	0.405	4.700	6.400
----- DAY-26 -----					
AIRTEMP	24	23.300	0.674	22.200	25.100
SEATEMP	24	24.787	0.180	24.600	25.400
WINDSPED	28	7.850	1.887	5.800	10.000
SIGWVHT	28	1.071	0.553	0.500	2.400
AVWVPR	24	4.482	0.885	3.500	6.100
----- DAY-27 -----					
AIRTEMP	24	22.888	0.897	21.800	24.000
SEATEMP	24	24.433	0.076	24.300	24.800
WINDSPED	24	8.408	1.417	5.800	11.800
SIGWVHT	24	1.882	0.287	1.500	2.500
AVWVPR	24	5.575	0.323	5.200	6.200
----- DAY-28 -----					
AIRTEMP	24	22.750	0.954	21.500	24.500
SEATEMP	24	24.367	0.113	24.100	24.500
WINDSPED	24	5.728	3.047	2.800	12.300
SIGWVHT	24	3.021	0.954	1.500	4.300
AVWVPR	24	5.852	0.858	5.800	7.800
----- DAY-29 -----					
AIRTEMP	24	22.746	0.418	22.200	23.800
SEATEMP	24	24.108	0.078	24.000	24.300
WINDSPED	24	5.321	0.886	4.200	10.000
SIGWVHT	24	2.504	0.228	2.100	3.000
AVWVPR	24	5.833	0.324	5.900	7.100
----- DAY-30 -----					
AIRTEMP	24	24.262	0.494	23.300	25.000
SEATEMP	24	24.295	0.301	24.100	24.800
WINDSPED	24	8.892	2.083	3.500	10.500
SIGWVHT	24	2.000	0.381	1.300	2.400
AVWVPR	24	5.282	0.184	5.900	6.800

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY-31 -----					
AIRTEMP	24	24.728	0.388	24.300	25.300
SEATEMP	24	24.846	0.284	24.400	25.100
WINDSPED	24	4.582	0.328	2.700	5.100
SIGWVHT	24	1.158	0.054	1.100	1.300
AVWVPR	24	5.782	0.252	5.300	6.300

Table 3 (continue)

42002 APRIL 1982

MONTHLY WAVE STATISTIC SUMMARY  
 BUDY #42002 APRIL 1982

Table 1

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	718	24.806	1.228	20.100	26.800	6.800	-1.377	3.284
SEATEMP	718	25.847	0.412	24.800	26.600	2.000	-0.851	-0.048
BAROMTR	718	1013.818	3.802	1008.800	1022.100	18.300	0.183	-0.808
WINDSPD	717	8.825	2.805	0.100	12.400	12.300	-0.228	-0.438
WINDDRG	718	113.724	58.125	0.100	355.900	355.800	0.927	2.345
SIGWVHT	708	1.480	0.828	0.800	2.900	2.800	0.642	-0.280
AVWVPR	708	5.287	0.833	4.000	8.900	2.800	0.088	-0.813

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUDY #42002 APRIL 1982  
 PERCENTAGE BAR CHART

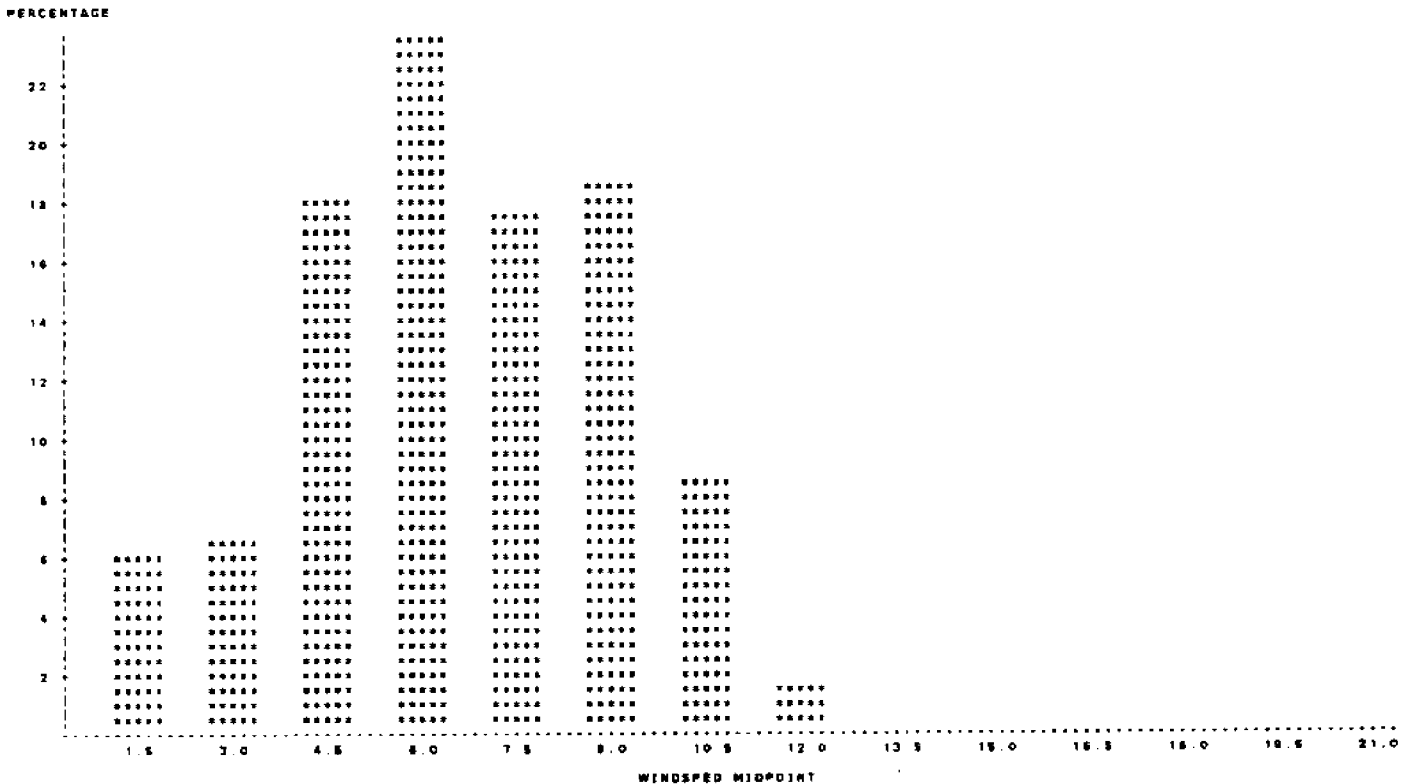


Fig. 1  
 209

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 BUDY #42002 APRIL 1962

PERCENTAGE BAR CHART

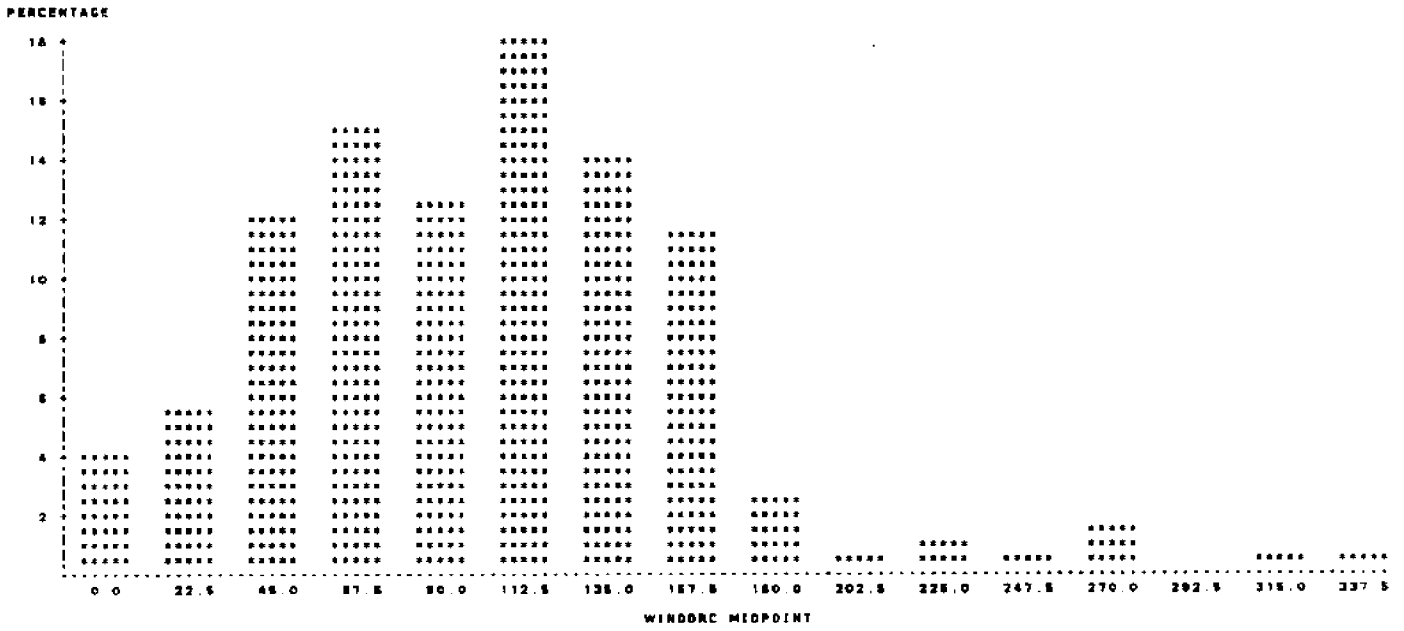


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 BUDY #42002 APRIL 1962

PERCENTAGE BAR CHART

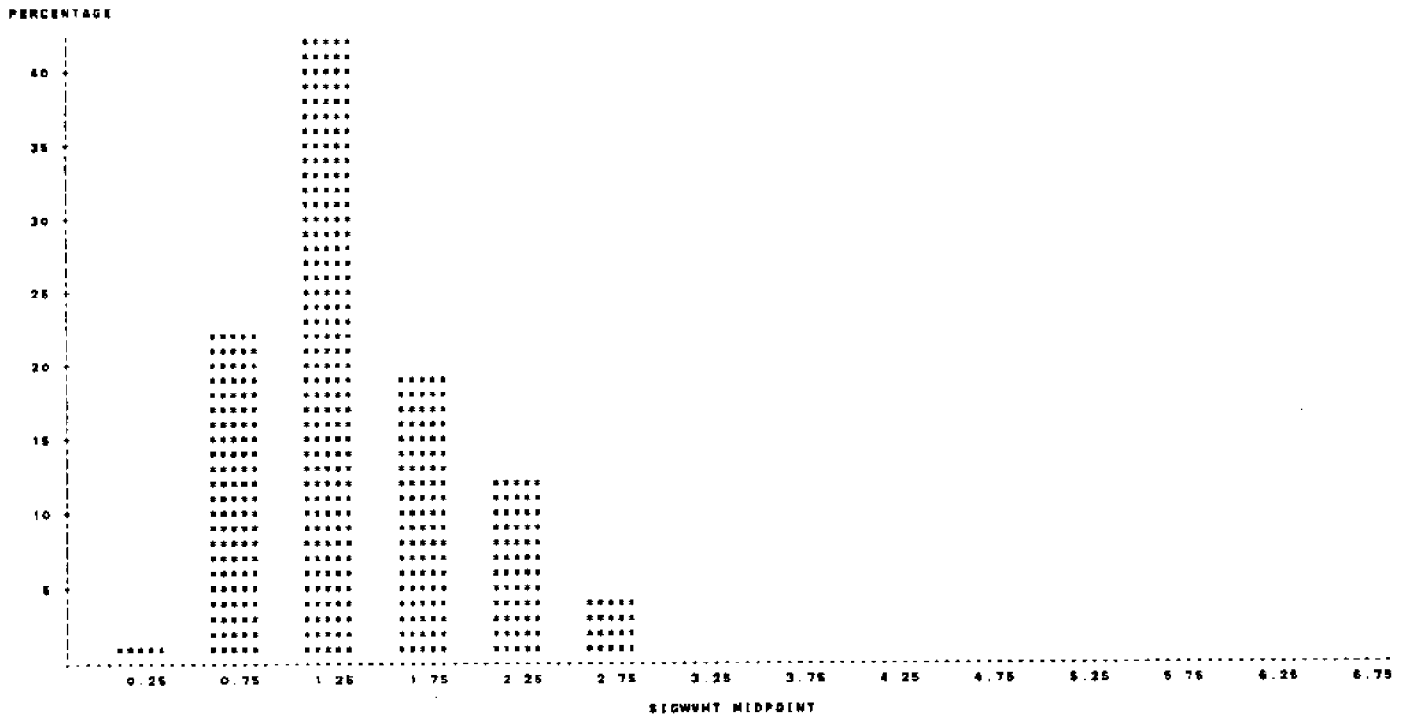


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 APRIL 1982

PERCENTAGE BAR CHART

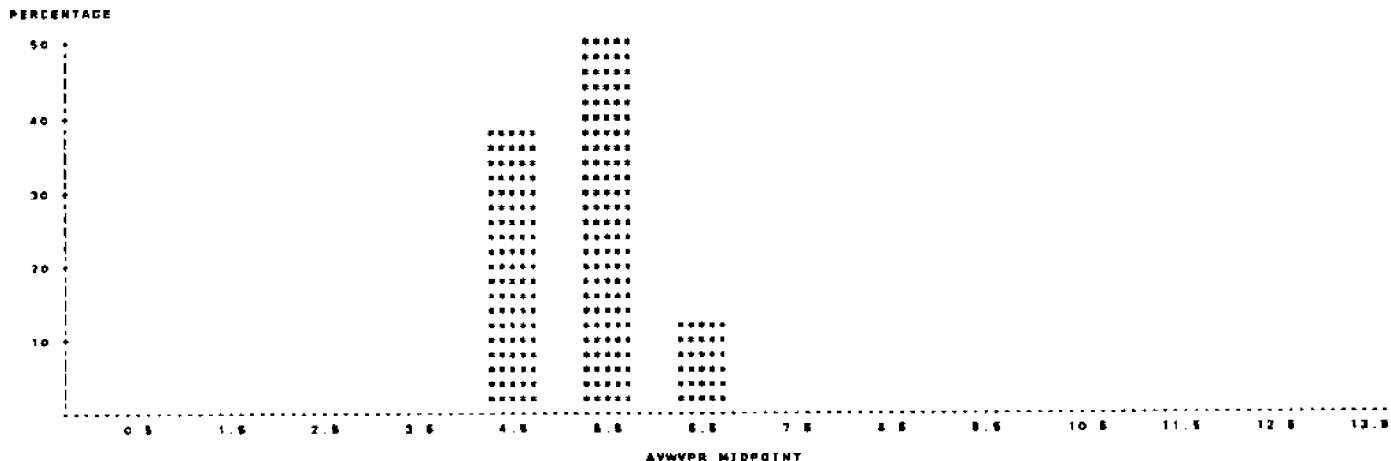


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 APRIL 1982

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT	<=0.5	<=1.0	<=1.5	<=2.0	<=2.5	<=3.0	TOTAL
	13	0	0	0	0	0	0	
<=4.0		0	2	1	0	0	0	3
		0.00	0.28	0.14	0.00	0.00	0.00	0.42
		0.00	88.87	22.22	0.00	0.00	0.00	
		0.00	1.32	0.34	0.00	0.00	0.00	
<=5.0		7	102	143	17	0	0	269
		0.88	14.45	20.25	2.41	0.00	0.00	38.10
		2.80	37.92	53.18	5.32	0.00	0.00	
		100.00	87.11	48.15	12.88	0.00	0.00	
<=6.0		0	42	144	95	58	7	347
		0.00	5.98	20.40	13.48	8.38	0.88	49.15
		0.00	12.10	81.80	27.38	17.00	2.02	
		0.00	27.83	48.48	70.80	87.08	25.00	
<=7.0		0	5	8	22	38	21	87
		0.00	0.85	1.27	3.12	6.11	2.87	12.32
		0.00	5.90	10.34	26.28	33.32	24.14	
		0.00	3.85	3.03	18.42	32.85	75.00	
TOTAL		7	152	297	134	88	28	706
		0.98	21.83	42.07	18.98	12.48	3.97	100.00

Table 2

DAILY STATISTICS  
 BUDY #42002 APRIL 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	24.737	0.230	24.300	25.100
SEATEMP	24	24.837	0.176	24.600	25.100
WINDSPED	24	5.283	1.024	3.400	7.600
SIGWVHT	24	1.037	0.068	0.900	1.100
AVWVPR	24	5.137	0.367	4.600	5.600
----- DAY#2 -----					
AIRTEMP	24	24.806	0.373	24.300	25.400
SEATEMP	24	24.783	0.088	24.600	25.000
WINDSPED	24	5.680	0.830	7.700	11.300
SIGWVHT	23	1.808	0.323	1.100	2.100
AVWVPR	23	4.943	0.388	4.400	5.700
----- DAY#3 -----					
AIRTEMP	24	24.783	0.362	24.100	25.200
SEATEMP	24	24.825	0.288	24.700	25.800
WINDSPED	24	4.817	3.006	0.200	11.600
SIGWVHT	24	1.879	0.428	1.100	2.600
AVWVPR	24	5.983	0.210	5.100	6.600
----- DAY#4 -----					
AIRTEMP	24	24.678	0.384	24.200	25.400
SEATEMP	24	25.079	0.188	24.800	25.500
WINDSPED	24	5.712	1.081	5.300	6.800
SIGWVHT	24	1.863	0.286	1.200	2.300
AVWVPR	24	5.362	0.467	4.600	6.300
----- DAY#5 -----					
AIRTEMP	24	25.862	0.462	24.900	26.600
SEATEMP	24	25.960	0.404	25.300	26.600
WINDSPED	24	5.578	2.511	0.600	10.900
SIGWVHT	20	1.525	0.276	1.100	2.000
AVWVPR	20	5.160	0.170	4.800	5.600
----- DAY#6 -----					
AIRTEMP	24	24.312	1.134	22.600	25.800
SEATEMP	24	25.760	0.188	25.600	26.100
WINDSPED	24	5.742	4.305	0.600	11.600
SIGWVHT	17	2.084	0.401	1.600	2.600
AVWVPR	17	5.747	0.411	5.100	6.200

Table 3

DAILY STATISTICS  
 BUDY #42002 APRIL 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	23.333	0.689	22.300	24.700
SEATEMP	24	25.571	0.076	25.600	25.700
WINDSPED	24	5.254	0.739	7.100	9.600
SIGWVHT	24	1.975	0.316	1.600	2.600
AVWVPR	24	5.860	0.366	5.100	6.300
----- DAY#8 -----					
AIRTEMP	24	25.400	0.444	24.800	26.400
SEATEMP	24	25.748	0.223	25.600	26.300
WINDSPED	24	5.708	1.881	0.700	7.900
SIGWVHT	24	1.348	0.169	1.100	1.700
AVWVPR	24	5.228	0.206	4.800	5.700
----- DAY#9 -----					
AIRTEMP	24	25.492	0.178	25.100	25.700
SEATEMP	24	25.937	0.101	25.600	26.100
WINDSPED	24	3.960	1.829	1.300	6.100
SIGWVHT	24	1.268	0.147	1.000	1.500
AVWVPR	24	5.771	0.344	5.200	6.300
----- DAY#10 -----					
AIRTEMP	24	23.954	0.799	20.900	25.400
SEATEMP	24	25.671	0.081	25.600	25.700
WINDSPED	24	6.528	1.603	4.900	10.600
SIGWVHT	24	2.163	0.212	1.800	2.400
AVWVPR	24	5.967	0.371	5.400	6.600
----- DAY#11 -----					
AIRTEMP	24	21.637	1.056	20.300	23.600
SEATEMP	24	25.628	0.096	25.600	26.000
WINDSPED	24	7.866	2.372	4.200	11.600
SIGWVHT	24	2.176	0.318	1.600	2.800
AVWVPR	24	5.048	0.313	5.600	6.700
----- DAY#12 -----					
AIRTEMP	24	21.666	1.196	20.100	23.300
SEATEMP	24	25.604	0.127	25.400	25.800
WINDSPED	24	4.158	0.751	3.100	5.700
SIGWVHT	24	1.237	0.266	0.800	1.700
AVWVPR	24	5.862	0.311	5.200	6.300

Table 3 (continue)



DAILY STATISTICS  
 BUDY #42002 APRIL 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:13 -----					
AIRTEMP	23	23.987	0.903	23.100	25.800
SEATEMP	23	25.183	0.150	25.000	25.800
WINDSPED	23	7.108	1.889	3.500	9.100
SIGWVHT	22	0.398	0.217	0.700	1.300
AVWVPR	22	4.573	0.288	4.100	5.200
----- DAY:14 -----					
AIRTEMP	24	25.092	0.404	24.500	25.000
SEATEMP	24	25.353	0.388	25.100	25.100
WINDSPED	24	5.878	2.048	2.100	8.500
SIGWVHT	24	1.028	0.078	0.500	1.200
AVWVPR	24	4.598	0.157	4.300	4.500
----- DAY:15 -----					
AIRTEMP	24	25.325	0.380	24.700	25.900
SEATEMP	24	25.592	0.072	25.500	25.800
WINDSPED	24	5.825	1.263	5.500	11.500
SIGWVHT	24	1.488	0.210	1.000	1.800
AVWVPR	24	4.888	0.380	4.000	5.400
----- DAY:16 -----					
AIRTEMP	24	25.846	0.343	25.200	25.100
SEATEMP	24	25.859	0.083	25.300	25.800
WINDSPED	24	9.552	1.389	5.500	12.400
SIGWVHT	24	2.246	0.188	1.800	2.800
AVWVPR	24	5.778	0.288	5.100	5.200
----- DAY:17 -----					
AIRTEMP	24	25.727	0.348	25.300	25.300
SEATEMP	24	25.563	0.334	25.300	25.200
WINDSPED	24	8.937	1.433	3.200	8.900
SIGWVHT	24	1.929	0.127	1.700	2.200
AVWVPR	24	5.048	0.250	5.700	5.800
----- DAY:18 -----					
AIRTEMP	24	25.337	0.318	24.800	25.800
SEATEMP	24	25.771	0.130	25.800	25.000
WINDSPED	24	5.737	1.278	3.700	8.200
SIGWVHT	24	1.392	0.222	1.200	1.800
AVWVPR	24	5.550	0.625	4.500	5.800

Table 3 (continue)

DAILY STATISTICS  
 BUDY #42002 APRIL 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:19 -----					
AIRTEMP	24	25.554	0.298	25.200	25.100
SEATEMP	24	25.904	0.140	25.800	25.200
WINDSPED	24	8.184	1.228	5.500	10.500
SIGWVHT	24	1.250	0.110	1.100	1.400
AVWVPR	24	4.571	0.178	4.400	4.800
----- DAY:20 -----					
AIRTEMP	24	25.925	0.411	25.400	25.500
SEATEMP	24	26.128	0.128	25.000	25.400
WINDSPED	24	8.121	1.188	5.200	10.600
SIGWVHT	24	1.404	0.123	1.200	1.600
AVWVPR	24	4.817	0.193	4.400	5.100
----- DAY:21 -----					
AIRTEMP	24	25.754	0.323	25.200	25.300
SEATEMP	24	25.271	0.075	25.200	25.400
WINDSPED	24	5.939	1.103	2.700	8.100
SIGWVHT	24	1.321	0.118	1.100	1.500
AVWVPR	24	5.117	0.183	4.800	5.400
----- DAY:22 -----					
AIRTEMP	24	24.808	1.478	21.300	25.700
SEATEMP	24	25.204	0.053	25.100	25.300
WINDSPED	24	5.482	1.750	4.400	10.800
SIGWVHT	24	1.282	0.150	1.000	1.500
AVWVPR	24	4.883	0.248	4.500	5.500
----- DAY:23 -----					
AIRTEMP	24	23.333	0.341	22.800	23.900
SEATEMP	24	25.848	0.125	25.700	25.100
WINDSPED	24	5.675	0.730	5.300	11.200
SIGWVHT	24	2.878	0.174	2.300	2.900
AVWVPR	24	5.300	0.240	5.000	5.900
----- DAY:24 -----					
AIRTEMP	24	23.962	0.354	23.800	24.700
SEATEMP	24	25.817	0.059	25.800	25.700
WINDSPED	24	7.346	1.451	4.400	8.500
SIGWVHT	24	1.892	0.327	1.200	2.200
AVWVPR	24	5.571	0.208	5.100	5.900

Table 3 (continue)

DAILY STATISTICS  
 STUDY P42002 APRIL 1962

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY:25 -----					
AIRTEMP	24	25.025	0.233	24.500	25.500
SEATEMP	24	25.542	0.265	25.500	25.500
WINDSPED	24	4.408	1.083	1.200	5.700
SIGWVHT	24	1.182	0.185	0.900	1.400
AVWVPR	24	5.492	0.282	5.100	5.900
----- DAY:26 -----					
AIRTEMP	24	25.283	0.675	24.500	25.500
SEATEMP	24	25.000	0.272	25.700	25.500
WINDSPED	22	2.055	3.188	0.100	5.500
SIGWVHT	24	0.783	0.082	0.500	0.900
AVWVPR	24	6.579	0.574	4.000	5.300
----- DAY:27 -----					
AIRTEMP	24	24.487	0.380	23.900	25.100
SEATEMP	24	25.692	0.172	25.700	25.200
WINDSPED	24	4.183	1.341	2.100	5.800
SIGWVHT	24	0.537	0.117	0.500	0.900
AVWVPR	24	4.553	0.245	4.100	4.900
----- DAY:28 -----					
AIRTEMP	24	23.888	0.184	23.700	24.400
SEATEMP	24	25.750	0.088	25.700	25.800
WINDSPED	24	5.887	1.602	4.100	5.800
SIGWVHT	24	1.250	0.258	0.800	1.800
AVWVPR	24	4.504	0.130	4.200	4.700
----- DAY:29 -----					
AIRTEMP	24	24.233	0.270	23.800	24.700
SEATEMP	24	25.775	0.162	25.500	25.100
WINDSPED	24	4.812	0.843	3.100	5.100
SIGWVHT	24	0.833	0.084	0.700	1.000
AVWVPR	24	4.317	0.188	4.000	4.500
----- DAY:30 -----					
AIRTEMP	24	24.408	0.252	24.100	24.900
SEATEMP	24	25.812	0.074	25.700	25.900
WINDSPED	24	5.025	0.582	3.700	7.900
SIGWVHT	24	0.817	0.067	0.500	1.100
AVWVPR	24	4.283	0.088	4.100	4.500

Table 3 (continue)

42002 MAY 1982

MONTHLY WAVE STATISTIC SUMMARY  
 BUOY #42002 MAY 1982

Table 1

AIRTEMP AIR TEMPERATURE (C)  
 SEATEMP SEA TEMPERATURE (C)  
 BAROMTR BAROMETER (MB)  
 WINDSPED WIND SPEED (M/SEC)  
 WINDDRG WIND DIRECTION [DEGREES FROM TRUE NORTH]  
 SIGWVHT SIGNIFICANT WAVE HEIGHT (M)  
 AVWVPR AVERAGE WAVE PERIODS (SEC)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	RANGE	SKEWNESS	KURTOSIS
AIRTEMP	743	27.123	0.888	24.200	30.700	6.500	0.128	0.487
SEATEMP	743	24.818	1.088	23.200	28.500	5.300	1.094	0.905
BAROMTR	743	1010.875	2.725	1007.700	1020.100	12.400	-0.646	-0.475
WINDSPED	730	5.753	2.145	0.100	11.500	11.500	0.248	-0.340
WINDDRG	742	102.547	55.475	0.500	358.500	358.000	2.323	7.802
SIGWVHT	742	1.029	0.504	0.300	2.500	2.200	0.832	-0.418
AVWVPR	742	4.725	0.583	3.300	6.300	3.000	0.150	-1.012

HISTOGRAM OF WIND SPEED (M/SEC)  
 BUOY #42002 MAY 1982  
 PERCENTAGE BAR CHART

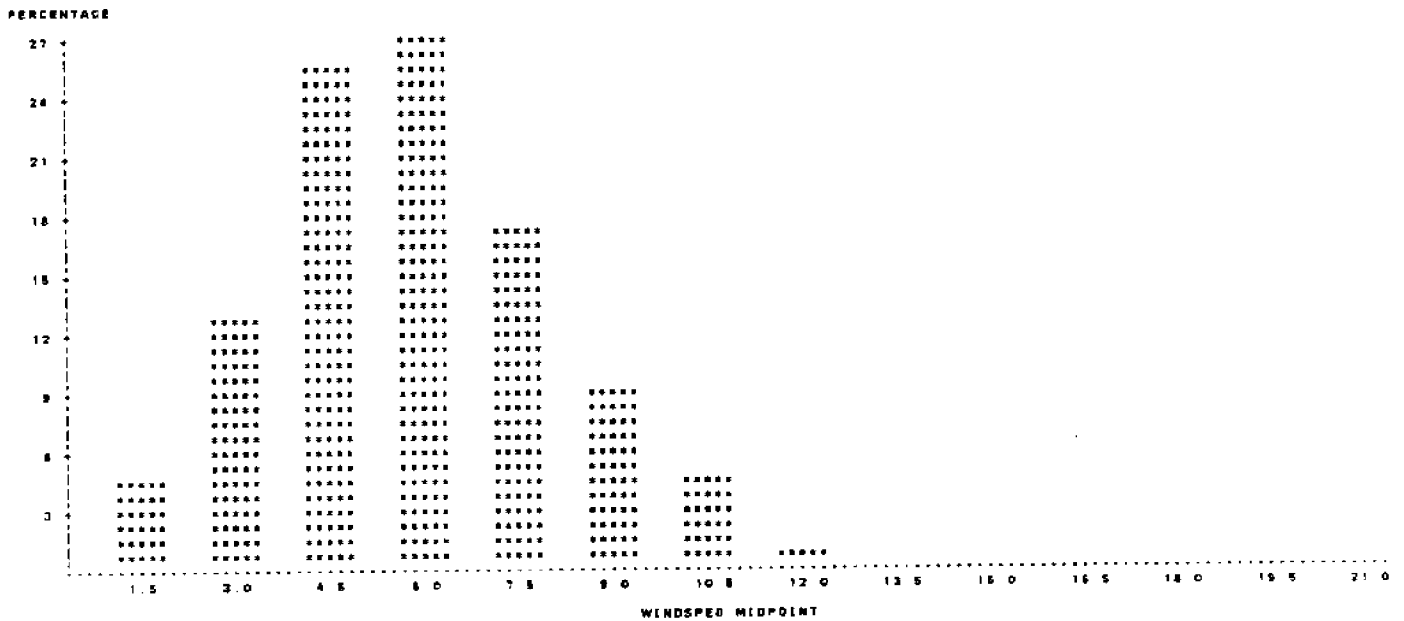


Fig. 1

HISTOGRAM OF WIND DIRECTION (DEGREE FROM TRUE NORTH)  
 SUDY #42002 MAY 1982

PERCENTAGE BAR CHART

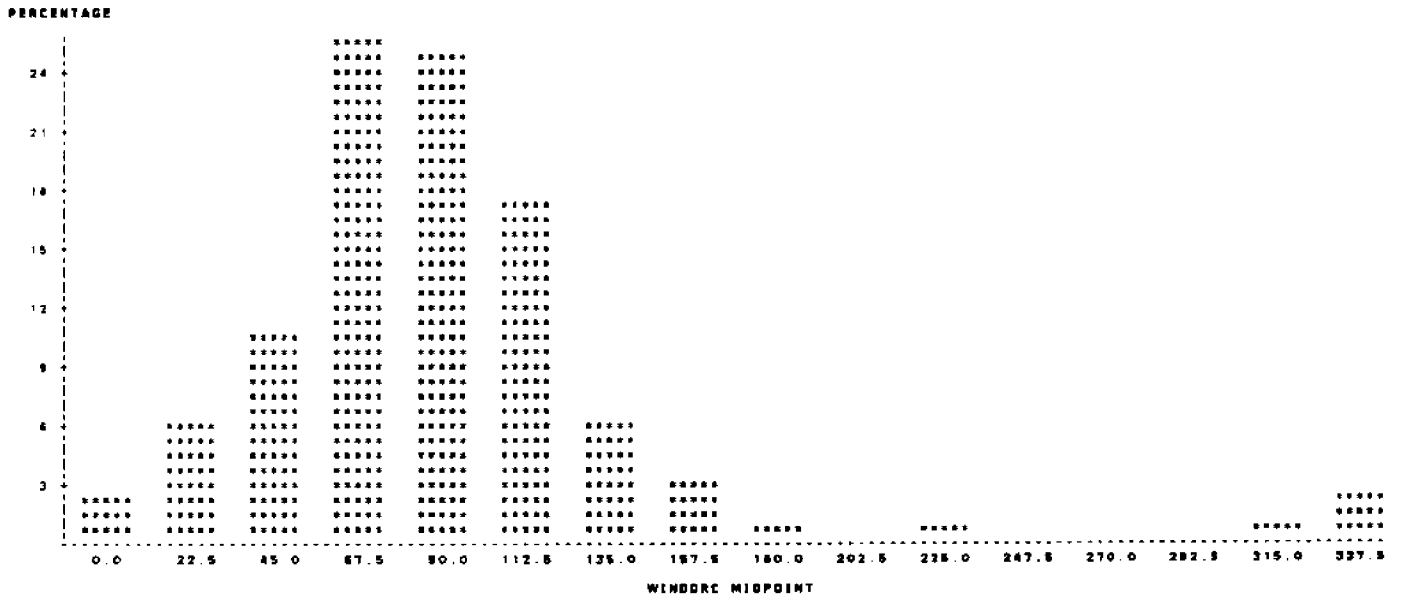


Fig. 2

HISTOGRAM OF SIGNIFICANT WAVE HEIGHT (M)  
 SUDY #42002 MAY 1982

PERCENTAGE BAR CHART

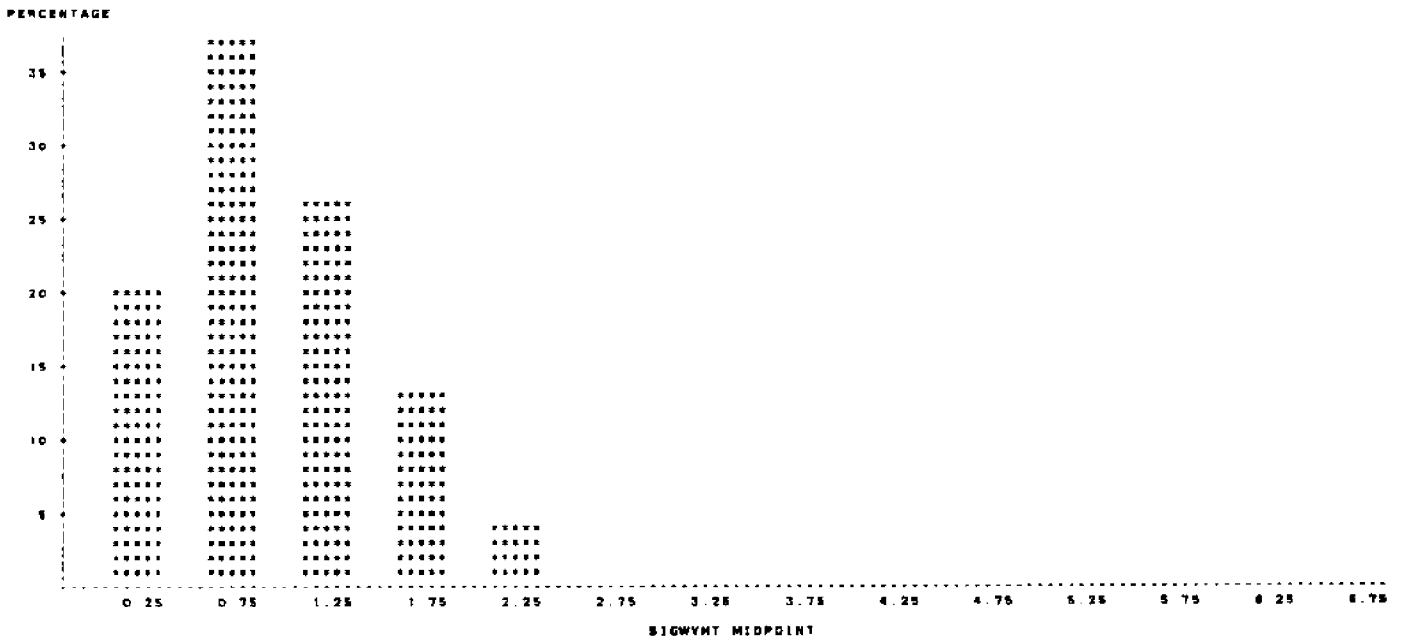


Fig. 3

HISTOGRAM OF AVERAGE WAVE PERIOD (SEC)  
 BUOY #42002 MAY 1962

PERCENTAGE BAR CHART

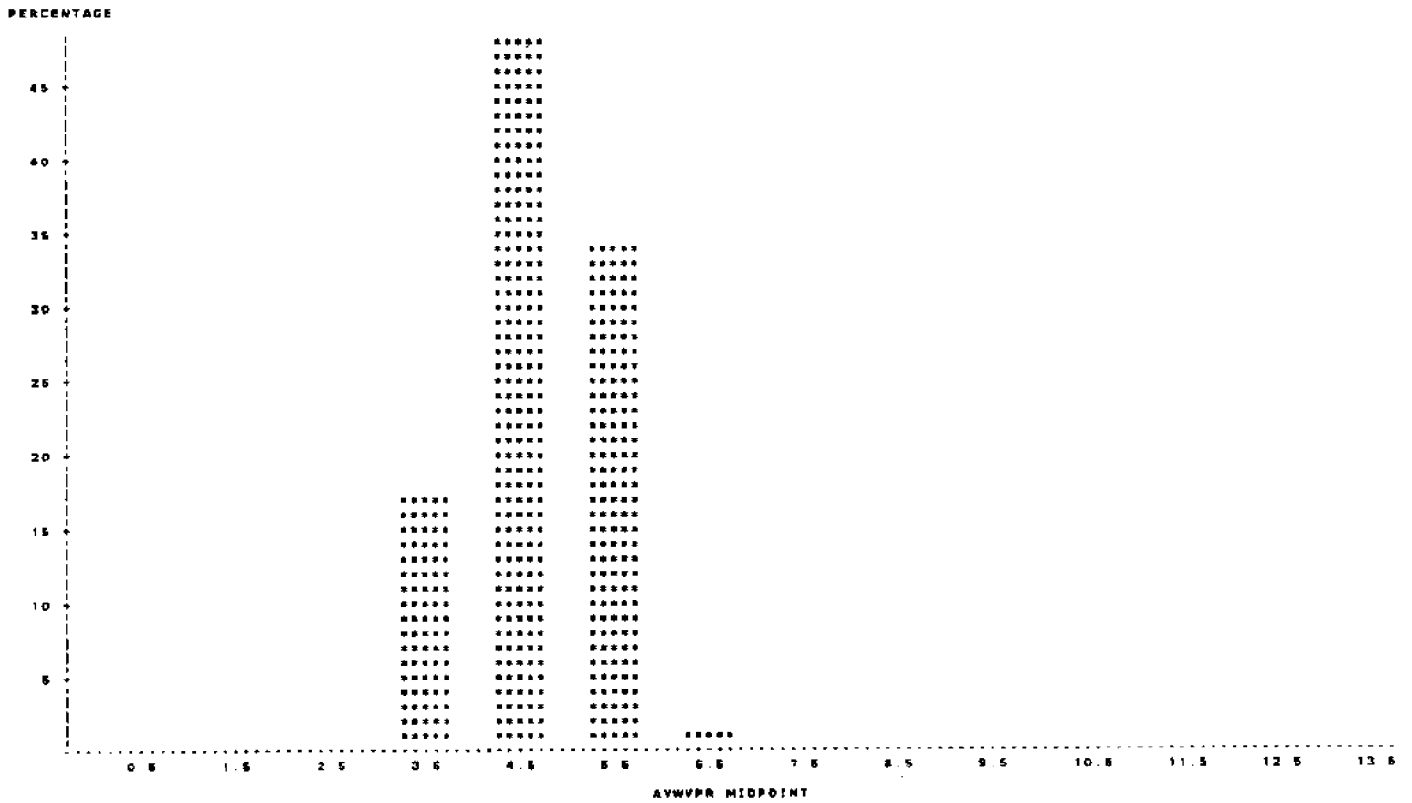


Fig. 4

FREQUENCY OF SIGNIFICANT HEIGHTS AND AVERAGE PERIODS  
 BUOY #42002 MAY 1962

TABLE OF AVWVPR BY SIGWHT

AVWVPR	SIGWHT	SIGNIFICANT HEIGHTS (FT)					TOTAL
		<10.5	11.0	11.5	12.0	12.5	
	2	0	0	0	0	0	
<4.0	0	88	87	1	0	0	127
		7.98	8.03	8.13	8.00	8.00	17.12
		48.48	82.78	0.78	0.00	0.00	
		40.14	34.18	0.52	0.00	0.00	
<5.0	0	89	188	88	17	0	387
		8.30	24.83	11.88	2.28	0.00	48.11
		18.33	81.82	24.08	4.78	0.00	
		46.84	86.78	44.56	17.88	0.00	
<6.0	0	19	28	104	77	27	287
		2.86	3.27	14.02	10.38	3.84	33.98
		7.84	8.82	41.27	30.56	10.71	
		12.83	9.03	63.88	81.08	90.00	
<7.0	0	0	0	2	1	2	5
		0.00	0.00	0.27	0.13	0.40	0.81
		0.00	0.00	33.33	18.67	60.00	
		0.00	0.00	1.04	1.08	10.00	
TOTAL		147	277	183	86	30	742
		19.81	37.33	26.01	12.80	4.04	100.00

Table 2

DAILY STATISTICS  
 BUOY #42002 MAY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#1 -----					
AIRTEMP	24	28.571	0.745	25.000	27.500
SEATEMP	24	24.471	0.261	24.300	25.200
WINDSPED	23	7.117	2.958	3.300	10.000
SIGWVHT	24	1.828	0.248	1.200	2.100
AVWVPR	24	5.387	0.378	4.700	5.500
----- DAY#2 -----					
AIRTEMP	24	26.078	0.852	24.300	27.000
SEATEMP	24	24.392	0.083	24.300	24.500
WINDSPED	24	7.417	1.438	3.500	9.700
SIGWVHT	24	1.800	0.187	1.300	1.900
AVWVPR	24	5.392	0.273	5.000	5.000
----- DAY#3 -----					
AIRTEMP	24	25.882	0.344	25.400	27.200
SEATEMP	24	24.386	0.123	24.300	24.500
WINDSPED	24	7.287	0.723	5.300	8.500
SIGWVHT	24	1.367	0.204	1.100	1.600
AVWVPR	24	4.882	0.280	4.400	5.200
----- DAY#4 -----					
AIRTEMP	24	26.900	0.280	26.300	27.200
SEATEMP	24	24.408	0.114	24.300	24.500
WINDSPED	24	8.152	1.243	4.200	9.700
SIGWVHT	24	1.042	0.102	0.800	1.300
AVWVPR	24	4.812	0.264	4.200	5.100
----- DAY#5 -----					
AIRTEMP	24	27.212	0.138	26.500	27.400
SEATEMP	24	24.725	0.165	24.400	25.000
WINDSPED	24	7.180	0.913	5.400	8.500
SIGWVHT	24	1.017	0.148	0.800	1.200
AVWVPR	24	4.282	0.273	3.800	4.500
----- DAY#6 -----					
AIRTEMP	24	27.128	0.222	26.500	27.700
SEATEMP	24	24.380	0.102	24.300	24.500
WINDSPED	24	8.728	1.800	3.300	11.500
SIGWVHT	24	1.878	0.307	1.000	2.000
AVWVPR	24	4.878	0.553	4.000	5.700

Table 3

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#7 -----					
AIRTEMP	24	26.625	0.481	24.500	27.300
SEATEMP	24	24.248	0.182	24.100	24.500
WINDSPED	24	7.304	2.021	3.500	10.700
SIGWVHT	24	1.812	0.322	1.300	2.400
AVWVPR	24	5.875	0.182	5.400	5.900
----- DAY#8 -----					
AIRTEMP	24	26.850	0.507	24.700	26.700
SEATEMP	24	24.400	0.118	24.200	24.500
WINDSPED	24	6.317	1.821	0.200	7.400
SIGWVHT	24	1.167	0.143	0.900	1.400
AVWVPR	24	5.337	0.408	4.900	5.100
----- DAY#9 -----					
AIRTEMP	24	26.378	0.308	24.200	26.500
SEATEMP	24	24.225	0.248	23.800	24.500
WINDSPED	24	4.628	0.738	3.300	5.900
SIGWVHT	24	0.850	0.172	0.500	1.000
AVWVPR	24	4.871	0.288	4.100	5.100
----- DAY#10 -----					
AIRTEMP	24	26.071	0.231	25.500	26.500
SEATEMP	24	23.733	0.395	23.200	24.300
WINDSPED	24	5.083	0.877	2.600	6.500
SIGWVHT	23	0.488	0.021	0.400	0.500
AVWVPR	23	3.848	0.280	3.500	4.400
----- DAY#11 -----					
AIRTEMP	24	26.426	0.219	25.500	26.500
SEATEMP	24	23.848	0.191	23.400	24.000
WINDSPED	24	5.028	0.738	3.700	6.100
SIGWVHT	24	0.808	0.097	0.500	0.900
AVWVPR	24	3.987	0.203	3.700	4.300
----- DAY#12 -----					
AIRTEMP	24	26.725	0.231	25.100	27.000
SEATEMP	24	23.848	0.215	23.200	23.900
WINDSPED	24	6.408	1.670	3.300	8.500
SIGWVHT	24	1.204	0.385	0.800	1.800
AVWVPR	24	4.858	0.527	4.000	5.700

Table 3 (continue)

DAILY STATISTICS  
BUGY #42002 MAY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#13 -----					
AIRTEMP	24	26.892	0.138	26.800	27.100
SEATEMP	24	23.662	0.110	23.600	23.800
WINDSPED	24	0.676	0.661	0.200	10.700
SIGWVHT	24	1.942	0.230	1.500	2.500
AVWVPR	24	5.858	0.230	5.200	6.100
----- DAY#14 -----					
AIRTEMP	24	26.825	0.187	26.800	27.000
SEATEMP	24	23.767	0.174	23.800	24.100
WINDSPED	24	1.779	1.590	0.800	11.400
SIGWVHT	24	2.071	0.210	1.500	2.300
AVWVPR	24	5.871	0.178	5.800	6.300
----- DAY#15 -----					
AIRTEMP	24	26.729	0.153	26.500	27.100
SEATEMP	24	24.042	0.208	23.800	24.400
WINDSPED	24	4.883	0.874	3.200	8.900
SIGWVHT	24	1.333	0.158	1.000	1.500
AVWVPR	24	5.808	0.320	5.100	6.100
----- DAY#16 -----					
AIRTEMP	24	26.892	0.436	26.800	27.200
SEATEMP	24	24.188	0.280	23.600	24.800
WINDSPED	24	5.171	0.800	3.700	8.300
SIGWVHT	24	1.017	0.088	0.800	1.200
AVWVPR	24	5.000	0.184	4.700	5.300
----- DAY#17 -----					
AIRTEMP	24	26.867	0.258	26.200	27.400
SEATEMP	24	24.342	0.254	24.100	24.600
WINDSPED	24	6.388	0.777	4.100	9.000
SIGWVHT	24	1.184	0.108	1.000	1.300
AVWVPR	24	5.121	0.191	4.800	5.500
----- DAY#18 -----					
AIRTEMP	24	27.012	0.181	26.800	27.200
SEATEMP	24	24.378	0.238	24.100	24.800
WINDSPED	24	5.878	1.224	3.700	7.400
SIGWVHT	24	1.187	0.188	0.900	1.500
AVWVPR	24	5.092	0.518	4.500	6.000

Table 3 (continue)

DAILY STATISTICS  
BUGY #42002 MAY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#19 -----					
AIRTEMP	24	27.083	0.188	26.400	27.400
SEATEMP	24	24.400	0.227	24.100	24.700
WINDSPED	24	5.188	0.838	3.200	8.300
SIGWVHT	24	0.428	0.085	0.700	0.900
AVWVPR	24	4.880	0.381	4.000	5.100
----- DAY#20 -----					
AIRTEMP	24	27.137	0.238	26.800	27.800
SEATEMP	24	24.808	0.257	24.300	25.100
WINDSPED	24	6.304	0.971	3.400	8.900
SIGWVHT	24	0.787	0.080	0.800	0.900
AVWVPR	24	4.312	0.201	4.000	4.800
----- DAY#21 -----					
AIRTEMP	24	27.204	0.311	26.000	27.800
SEATEMP	24	24.788	0.217	24.600	25.100
WINDSPED	24	5.417	1.002	3.500	7.600
SIGWVHT	24	0.486	0.112	0.500	0.800
AVWVPR	24	4.128	0.184	3.800	4.200
----- DAY#22 -----					
AIRTEMP	24	27.437	0.158	26.800	27.800
SEATEMP	24	24.804	0.188	24.600	25.100
WINDSPED	24	8.237	1.108	3.800	7.700
SIGWVHT	24	0.742	0.118	0.800	0.900
AVWVPR	24	3.971	0.135	3.700	4.200
----- DAY#23 -----					
AIRTEMP	24	27.271	0.171	27.100	27.800
SEATEMP	24	24.982	0.338	24.600	25.800
WINDSPED	24	3.578	0.822	2.200	5.100
SIGWVHT	24	0.428	0.078	0.300	0.600
AVWVPR	24	4.084	0.172	3.600	4.200
----- DAY#24 -----					
AIRTEMP	24	27.537	0.124	27.400	27.800
SEATEMP	24	25.300	0.418	24.500	25.100
WINDSPED	24	3.804	0.811	2.000	5.000
SIGWVHT	24	0.378	0.081	0.300	0.400
AVWVPR	24	3.737	0.088	3.600	4.000

Table 3 (continue)



DAILY STATISTICS  
 BUOY #42002 MAY 1982

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#25 -----					
AIRTEMP	24	27.998	0.390	28.000	28.100
SEATEMP	24	28.867	0.732	28.300	27.800
WINDSPED	22	3.308	1.073	1.400	4.900
SIGWVHT	24	0.828	0.081	0.400	0.800
AVWVPR	24	4.221	0.278	3.800	4.800
----- DAY#26 -----					
AIRTEMP	24	28.242	0.403	28.700	30.700
SEATEMP	24	28.812	0.981	28.400	28.800
WINDSPED	17	1.788	0.836	0.100	3.400
SIGWVHT	24	0.617	0.084	0.400	0.800
AVWVPR	24	4.812	0.324	4.300	5.300
----- DAY#27 -----					
AIRTEMP	24	28.800	0.208	28.200	24.900
SEATEMP	24	28.828	0.884	28.900	27.800
WINDSPED	24	2.884	0.982	1.700	4.000
SIGWVHT	24	0.350	0.051	0.300	0.400
AVWVPR	24	4.862	0.411	3.900	5.700
----- DAY#28 -----					
AIRTEMP	24	28.588	0.587	28.800	28.400
SEATEMP	24	27.008	0.330	28.400	27.800
WINDSPED	24	8.371	1.488	2.800	7.300
SIGWVHT	24	0.542	0.187	0.300	0.800
AVWVPR	24	4.050	0.548	3.300	5.400
----- DAY#29 -----					
AIRTEMP	24	28.487	0.348	27.800	28.100
SEATEMP	24	28.412	0.342	28.000	27.000
WINDSPED	24	8.288	1.182	3.000	7.800
SIGWVHT	24	0.783	0.120	0.800	1.000
AVWVPR	24	4.104	0.238	3.800	4.700
----- DAY#30 -----					
AIRTEMP	24	28.178	0.484	28.700	28.800
SEATEMP	24	28.878	0.187	28.200	28.800
WINDSPED	21	4.724	2.888	1.000	11.300
SIGWVHT	24	0.800	0.181	0.800	1.200
AVWVPR	24	4.587	0.378	4.000	5.300

Table 3 (continue)

VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
----- DAY#31 -----					
AIRTEMP	23	28.800	0.234	27.800	28.900
SEATEMP	23	28.288	0.274	28.900	28.800
WINDSPED	23	7.313	2.122	3.700	10.800
SIGWVHT	23	1.388	0.228	1.100	1.700
AVWVPR	23	4.908	0.308	4.300	5.400

Table 3 (continue)

