SSMO

CENTRAL AMERICAN COASTAL MARINE AREAS

WEST COAST

VOL 1

AREAS 1-5

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(6)

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO)

CENTRAL AMERICAN COASTAL MARINE AREAS WEST COAST

VOLUME 1

AREA 1 - CENTRAL BAJA WEST,
AREA 2 - SOUTHWEST BAJA,
AREA 3 - GULF OF CALIFORNIA,
AREA 4 - MAZATLAN,
AREA 5 - PUERTO VALLARTA.

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ASHEVILLE, N.C.

PREPARED FOR
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NSTL STATION, BAY ST. LOUIS, MS 39529

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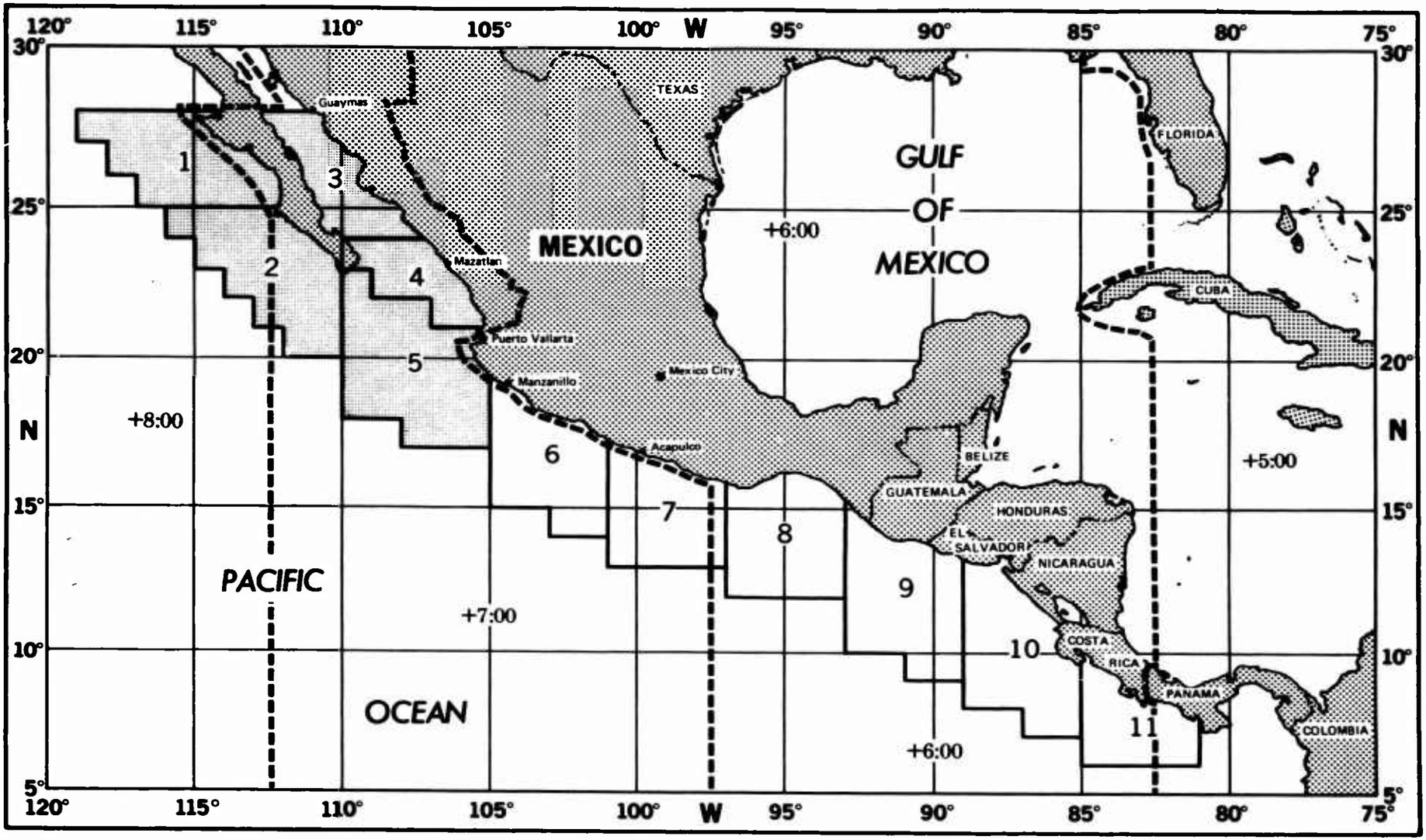

CENTRAL AMERICA COASTAL SSMO AREAS AND STANDARD TIME ZONES - WEST COAST

Shaded areas are included in this volume

A list of the area names and their central locations appears on the inside back cover

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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The SSMO series of coastal marine summaries is managed and produced by the Naval Oceanography Command Detachment, Asheville, N. C. for the Commander, Naval Oceanography Command. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-1C-534.

The data summarized in the ~~following~~ tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Oceanography Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and $< .05$. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area. This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present). and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

Note: In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

CONTENTS

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4	MAZATLAN	238 - 316
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DIRECTION AND WEATHER CODES

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below show the 8 point system with other systems superimposed.

Note: Because of rounding, sub-total sums of "observation counts" may not equal grand totals.

Fig 1. The 8 point direction system.

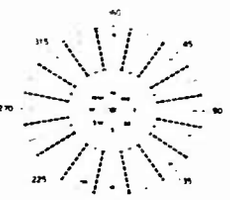

Fig 2. The 16 point direction system superimposed on the 8 point system.

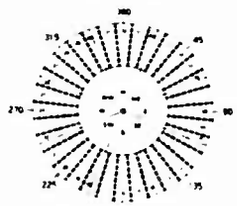

Fig 3. The 32 point direction system superimposed on the 8 point system.

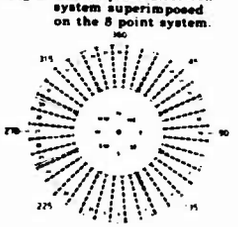

Fig 4. The 36 point direction system superimposed on the 8 point system

VISIBILITY (VV)

CODE	INTERPRETATION (NAUTICAL MILES)
90-93	VV<1/2
94	1/2≤VV<1
95	1≤VV<2
96	2≤VV<5
97	5≤VV<10
98	10≤VV<25
99	VV≥25

NOTE: <means less than; >means greater than; ≤means less than or equal to; ≥means greater than or equal to.

PRESENT WEATHER (1960 WMO CODE 4677)

CODE	INTERPRETATION
58-59, 60-65, 91-94, (68-69,95,97 IF TEMP >40°F)	RAIN
80-82, (83-84 IF TEMP >40°F)	RAIN SHOWERS
50-55, 58-59	DRIZZLE
56-57, 66-67	FREEZING PRECIPITATION
70-75, 85-86, (68-69, 83-84, 95,97 IF TEMP ≤40°F)	SNOW
76-79	OTHER FROZEN PRECIPITATION
87-90, 93-94, 96,99	HAIL
13,17, 19,29, 95-99	THUNDER LIGHTNING THUNDERSTORM

CODE	INTERPRETATION
10-12, 40-49	FOG (WITHOUT PRECIPITATION)
28	FOG (WITHOUT PRECIPITATION) PAST HOUR
04-05	SMOKE HAZE
06-09, 30-39	SPRAY BLOWING DUST BLOWING SNOW
00-03, 14-16, 18	NO SIGNIFICANT WEATHER AT OB TIME
00-49	NO PRECIPITATION AT OB TIME
50-99	PRECIPITATION AT OB TIME
20-27	PRECIPITATION PAST HOUR

NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).

WAVE HEIGHT (from source decks 128 and 116)

RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)
00	≤.25	<1
01	>.25 to .75	1-2
02	>.75 to 1.25	3-4
03	>1.25 to 1.75	5-6
04	>1.75 to 2.25	7
05	>2.25 to 2.75	8-9
06	>2.75 to 3.25	10-11
07	>3.25 to 3.75	12
08	>3.75 to 4.25	13-16
09	>4.25 to 4.75	
10	>4.75 to 5.25	17-19
11	>5.25 to 5.75	
12	>5.75 to 6.25	20-22
13	>6.25 to 6.75	
14	>6.75 to 7.25	23-25
15	>7.25 to 7.75	
16	>7.75 to 8.25	26-32
17	>8.25 to 8.75	
18	>8.75 to 9.25	
19	>9.25 to 9.75	
20	>9.75 to 10.25	33-40
21	>10.25 to 10.75	
22	>10.75 to 11.25	
23	>11.25 to 11.75	
24	>11.75 to 12.25	
25	>12.25 to 12.75	41-48
26	>12.75 to 13.25	
27	>13.25 to 13.75	
28	>13.75 to 14.25	
29	>14.25 to 14.75	
30	>14.75 to 15.25	49-60
31	>15.25 to 15.75	
32	>15.75 to 16.25	
33	>16.25 to 16.75	
34	>16.75 to 17.25	
35	>17.25 to 17.75	
36	>17.75 to 18.25	
37	>18.25 to 18.75	61-70
38	>18.75 to 19.25	
39	>19.25 to 19.75	
40	>19.75 to 20.25	
41	>20.25 to 20.75	
42	>20.75 to 21.25	
43	>21.25 to 21.75	71-86
44	>21.75 to 22.25	
45	>22.25 to 22.75	
46	>22.75 to 23.25	
47	>23.25 to 23.75	
48	>23.75 to 24.25	
49	>24.25 to 24.75	
50	>24.75 to 25.25	
51	>25.25 to 25.75	
52	>25.75 to 26.25	
53-99	>26.25 to 49.75	≥87

Indeterminate=INDET

JANUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1962-1974

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG	SNOW	NO SIG WEA
N	.3	.1	.1	.0	.0	.0	.0	.5	.5	.1	.6	.0	.9		*		97.4
NE	.5	.2	1.2	.0	.0	.0	.0	1.9	.4	.2	.7	.0	.8		.0		96.0
E	2.1	.0	3.7	.0	.0	.0	.0	5.2	2.3	.0	.0	.0	.4		.0		92.1
SE	1.5	.9	1.3	.0	.0	.0	.0	3.3	1.7	.9	1.1	1.1	1.3		.0		90.6
S	4.6	1.6	2.6	.0	.0	.0	.0	7.9	2.4	.2	1.4	.6	1.4		.9		85.6
SW	5.2	2.2	2.2	.0	.0	.0	.0	8.2	3.2	.0	1.5	.0	.7		.0		86.0
W	1.0	1.5	1.0	.0	.0	.0	.0	3.4	1.7	.0	.6	.0	1.7		.0		92.5
NW	.2	.2	.3	.0	.0	.0	*	.7	.3	.0	.9	.1	2.1		.1		95.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.3	.0	4.5		.0		88.8
TOT PCT	.6	.3	.6	.0	.0	.0	*	1.4	.6	.1	1.1	.1	1.6		.1		95.1
TOT OBS:	6343																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG	SNOW	NO SIG WEA
00&03	.6	.4	.5	.0	.0	.0	.0	1.4	.8	.0	1.1	.2	2.6		.1		93.8
06&09	.5	.1	.6	.0	.0	.0	.0	1.3	.7	.2	.5	.0	1.0		.0		96.5
12&15	.7	.3	.7	.0	.0	.0	.0	1.5	.5	.1	1.6	.1	1.1		.1		95.1
18&21	.6	.6	.6	.0	.0	.0	.1	1.6	.6	.0	1.4	.1	1.8		.1		94.5
TOT PCT	.6	.3	.6	.0	.0	.0	*	1.4	.6	.1	1.1	.1	1.6		.1		95.0
TOT OBS:	6461																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)					
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.7	14.0	12.7	.8	*	.0		29.1	11.0	24.3	26.9	27.2	29.6	31.4	35.0	32.3	33.0
NE	.7	4.6	2.9	.3	.0	.0		8.5	10.2	6.3	6.6	6.4	5.5	8.8	11.3	12.0	13.6
E	.4	1.8	.6	*	.0	.0		2.8	7.8	1.8	.3	2.5	2.6	3.6	2.2	3.8	2.0
SE	.4	1.2	.3	*	.0	.0		1.8	7.4	1.7	2.8	2.2	.8	1.3	1.7	2.2	1.4
S	.4	1.1	.4	*	.0	.0		1.9	7.9	[illegible]	.7	2.1	2.2	1.9	1.2	1.4	1.6
SW	.4	1.4	.4	*	.0	.0		2.2	7.9	1	1.7	1.6	2.3	2.3	3.0	2.1	1.6
W	.9	4.3	1.5	.1	.0	.0		6.8	8.4	[illegible].4	9.8	6.8	9.1	6.2	3.7	5.7	6.1
NW	1.9	21.2	18.2	1.3	*	.0		42.6	11.2	49.8	47.8	47.0	40.9	39.1	40.3	39.9	36.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.3							4.3	.0	3.5	3.4	4.2	3.9	5.8	1.5	4.0	4.5
TOT OBS	746	3389	2537	181	3	0	6856		10.1	1536	145	1484	178	1457	201	1635	220
TOT PCT	10.9	49.4	37.0	2.6	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.4	18.6	4.1	.1	.0		29.1	11.0	24.5	27.4	31.8	32.4
NE	2.5	4.9	1.1	*	.0		8.5	10.2	6.3	6.3	8.8	12.2
E	1.3	1.4	*	*	.0		2.8	7.8	1.6	2.5	3.3	3.6
SE	1.0	.8	.1	*	.0		1.8	7.4	1.8	2.1	1.3	2.1
S	1.0	.7	.2	.0	.0		1.9	7.9	1.9	2.1	1.8	1.9
SW	1.1	1.0	.1	.0	.0		2.2	7.9	2.2	2.0	2.4	2.0
W	2.9	3.3	.5	.0	.0		6.8	8.4	8.5	7.0	5.4	5.8
NW	9.0	27.2	6.2	.2	.0		42.6	11.2	49.6	46.4	39.2	36.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.3						4.3	.0	3.5	4.2	5.3	4.0
TOT OBS	2025	3966	840	25	0	6856		10.1	1691	1662	1658	1855
TOT PCT	29.5	57.8	12.3	.4	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1963-1974

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0731	3.5	6.6	48.2	36.7	2.9	.1	.0	10.3	100.0	1681
0661	4.2	6.0	48.0	39.0	2.6	.1	.0	10.3	100.0	1662
1231	5.3	5.7	50.8	36.0	2.1	.1	.0	9.9	100.0	1658
1821	4.0	8.0	50.6	34.6	2.9	.0	.0	9.9	100.0	1655
TOT	4.9	4.4	2389	2537	1.1	3	1	10.1		6656
PCT	4.3	6.6	49.4	37.0	2.6	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	16.2	3.7	6.2	3.7		2.9
NE	5.0	.9	1.4	1.0		2.7
E	1.5	.7	.6	.4		3.1
SE	.7	.1	.6	.5		4.4
S	.4	.3	.5	.8		5.4
SW	.5	.3	.5	.7		5.0
W	2.3	.9	2.2	1.2		4.2
NW	16.7	6.7	17.7	9.1		3.7
VAR	.0	.0	.0	.0		.0
CALM	2.6	.4	.5	.5		2.6
TOT OBS	2478	884	1737	656	5085	3.7
TOT PCT	48.7	17.4	34.2	13.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	0-99	100-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.2	.1	.1	1.1	2.2	1.6	.7	.2	.3	.3	23.3	
NE	*	*	*	.1	.4	.4	.2	.1	.1	.1	6.8	
E	.0	.0	*	.1	.3	.2	.1	*	*	*	7.1	
SE	*	*	.1	.2	.3	.1	.1	.0	*	*	1.0	
S	.1	*	*	.0	.4	.1	.1	*	*	*	1.0	
SW	.1	*	*	.2	.4	.2	.1	*	.0	*	1.1	
W	*	.0	.1	.4	1.0	.4	.2	*	*	.0	4.3	
NW	.4	*	.2	1.9	3.5	2.3	1.4	.2	.2	.2	31.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.3	.2	.1	.0	*	.0	3.5	
TOT OBS	32	9	35	227	445	277	157	31	32	32	3868	5085
TOT PCT	.6	.2	.7	4.5	8.8	5.4	3.1	.6	.6	.6	76.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) >OR =10	>OR =5	>OR =2	>OR =1	>OR =1/2	>OR =1/4	>OR =5CYD	>OR =0
>OR =6500	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
>OR =5000	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
>OR =3500	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0
>OR =2000	9.3	10.2	10.3	10.3	10.3	10.3	10.4	10.4
>OR =1000	16.9	18.6	18.9	18.9	18.9	18.9	19.0	19.0
>OR =600	20.4	23.0	23.3	23.3	23.3	23.3	23.3	23.3
>OR =300	21.0	23.7	24.0	24.0	24.0	24.0	24.0	24.0
>OR =150	21.2	23.9	24.2	24.2	24.2	24.2	24.2	24.2
>OR = 0	21.3	24.2	24.7	24.7	24.8	24.8	24.8	24.9
TOTAL	1097	1245	1269	1273	1274	1275	1277	1279

TOTAL NUMBER OF OBS: 5145

PCT FREQ MM <5/8: 75.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
40.1	10.9	9.7	7.8	6.0	5.4	6.6	5.0	7.9	.5	5403

JANUARY

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1963-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE A

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	.0	*	.0	.0	.0	*	.0	.1	.1	
	TOT %	*	.0	.0	*	.0	.0	.0	*	.0	.1	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	NO PCP	*	.0	.0	*	*	*	.1	.1	.0	*	.2	
	TOT %	*	.0	.0	*	*	*	.1	.1	.0	*	.2	
1<2	PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	.0	.0	.0	.0	.0	.1	.0	*	.2	
	TOT %	*	*	.0	.0	.0	.0	.0	.1	.0	*	.2	
2<5	PCP	.0	.0	*	*	.1	*	*	*	.0	.0	.2	
	NO PCP	.1	*	.0	*	.1	*	*	.1	.0	*	.4	
	TOT %	.1	*	*	*	.1	.1	.1	.2	.0	*	.6	
5<10	PCP	*	*	.1	*	.1	.1	.1	.2	.0	.0	.6	
	NO PCP	2.1	.5	.1	.2	.3	.2	.5	2.4	.0	.5	7.1	
	TOT %	2.1	.6	.2	.2	.3	.3	.6	2.5	.0	.5	7.8	
10+	PCP	.1	.1	*	*	*	*	.1	.1	.0	.0	.4	
	NO PCP	27.0	7.6	2.5	1.5	1.5	1.7	6.1	39.0	.0	3.5	90.5	
	TOT %	27.1	7.6	2.6	1.6	1.5	1.7	6.2	39.2	.0	3.5	91.0	
	TOT OBS												6322
	TOT PCT	29.4	8.4	2.8	1.8	2.0	2.1	6.9	42.5	.0	4.2	100.0	

TABLE B

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	.0	.0	*	.0	.0	.0	*	.0	.1	.1	
	4-10	*	*	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	*	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	*	.0	.0	*	*	.0	.1	.2	
1/2<1	0-3	.0	.0	.0	*	.0	.0	*	*	.0	*	.1	
	4-10	*	.0	.0	*	*	*	*	*	.0		.1	
	11-21	*	.0	.0	.0	*	*	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	*	*	.1	.1	.0	*	.2	
1<2	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	*	.1	
	4-10	.1	*	*	.0	.0	*	.0	.1	.0		.2	
	11-21	*	*	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.1	*	.0	.0	*	.0	.1	.0	*	.3	
2<5	0-3	.0	.0	.0	.0	*	.0	*	*	.0	*	.1	
	4-10	.1	.1	*	*	.1	.1	*	.1	.0		.5	
	11-21	.1	.0	.0	*	*	*	*	.1	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.1	*	*	.1	.1	.1	.2	.0	*	.8	
5<10	0-3	.1	*	*	*	.1	*	.0	.1	.0	.5	.9	
	4-10	1.1	.3	.1	.2	.2	.1	.4	1.4	.0		3.8	
	11-21	.9	.2	.1	*	.1	.1	.2	1.3	.0		2.9	
	22+	*	*	*	.0	*	*	*	*	.0		.1	
	TOT %	2.1	.5	.2	.2	.3	.3	.6	2.9	.0	.5	7.6	
10+	0-3	1.5	.6	.4	.3	.3	.3	.8	1.7	.0	3.4	9.4	
	4-10	12.8	4.3	1.6	1.0	.8	1.1	3.6	19.2	.0		44.7	
	11-21	11.9	2.7	.5	.3	.3	.3	1.3	16.8	.0		34.2	
	22+	.8	.3	.0	*	*	.0	.1	1.4	.0		2.6	
	TOT %	27.0	7.9	2.5	1.6	1.5	1.7	6.1	39.1	.0	3.4	90.9	
	TOT OBS												6663
	TOT PCT	29.4	8.6	2.7	1.9	1.9	2.1	6.8	42.4	.0	4.1	100.0	

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1952-1976

TABLE 10

AFFA 001 CENTRAL BAJA MEXI
26.4N 114.3W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >W/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	0-0 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.5	.2	.5	4.3	7.1	5.6	3.4	1.0	.9	.8	24.3	75.7	1330
06E09	.6	.1	.8	4.1	7..	4.3	2.7	.4	.4	.5	21.0	79.0	1338
12E15	1..	.2	.6	4.2	9.6	4.4	2.3	.4	.7	.9	24.5	75.5	1213
18E21	.5	.1	.7	4.6	9.9	6.5	3.5	.7	.4	.4	27.4	72.6	1442
TOT	74	9	57	229	449	279	160	33	32	34	1296	4027	5323
PCT	.6	.2	.7	4.3	8.4	5.2	3.0	.6	.6	.6	24.3	75.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.4	.4	.7	8.0	90.3	1647
06E09	.1	.2	.1	.5	7.1	92.0	1667
12E15	.2	.3	.4	1.2	8.2	89.7	1643
18E21	.4	.2	.2	1.0	7.1	91.1	1828
TOT	17	19	20	58	516	6159	6785
PCT	.2	.3	.3	.9	7.6	90.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >W/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.5	1.2	5.8	19.3	75.L	1282
06E09	.6	1.7	6.0	15.3	78.7	1303
12E15	1.0	2.2	7.2	18.5	74.3	1176
18E21	.6	1.5	6.6	21.8	71.6	1384
TOT	34	85	328	966	3851	5145
PCT	.7	1.7	6.4	18.8	74.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	*	.1	*	*	.0	.0	9	.2
75/79	.0	*	*	.1	.1	.2	*	.0	39	.7
70/74	.0	*	.1	1.1	1.4	2.0	1.0	.3	345	6.6
65/69	*	.1	.7	2.7	6.1	9.2	8.8	3.4	1639	31.2
60/64	.0	.1	.6	3.4	10.3	14.3	14.9	5.3	2549	48.6
55/59	.0	.0	.2	1.1	2.2	3.2	3.8	1.7	637	12.1
50/54	.0	.0	.1	.2	.1	.1	.1	.1	31	.6
TOTAL	2	14	114	461	1102	1519	1469	566	5249	100.0
PCT	*	.3	2.2	8.8	21.0	28.9	28.0	10.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	*	.0	.0	*	.0	.0	.0	.1	.0	.0
	.2	.1	*	.0	.0	*	.0	.3	.0	.1
	2.0	.4	.3	.1	.2	.2	.5	2.5	.0	.4
	8.5	2.7	.7	.8	.7	.8	2.2	13.0	.0	1.8
	14.4	3.6	1.4	.7	.8	.8	3.2	21.6	.0	2.0
	4.3	1.1	.3	.1	.2	.1	.6	5.1	.0	.4
	.3	.1	*	.0	.0	.0	*	.2	.0	.0
	29.7	8.1	2.8	1.7	1.9	2.0	6.5	42.7	.0	4.6

TABLE 15

MEANS,FIREMPS AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	83	77	72	69	59	56	50	65.0	1694
06E09	80	73	68	63	57	54	50	62.7	1689
12E15	78	69	68	62	57	54	50	62.0	1684
18E21	81	74	71	64	58	54	48	64.7	1663
TOT	83	74	70	64	58	54	48	63.6	6630

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	15.7	24.4	28.9	23.2	7.8	72	1309
06E09	.1	7.3	18.1	28.2	33.3	13.0	77	1357
12E15	.1	8.1	17.2	27.2	32.5	15.0	77	1269
18E21	.0	13.5	23.8	31.2	23.4	8.1	73	1409
TOT	2	598	1118	1545	1498	583	75	5344

JANUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1863-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	45	49	53	57	61	65	69	73	77	81	TOT	%	%O
TMP DIF	48	52	56	60	64	68	72	76	80	P4		FOG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	3	.0	.1
17/19	.0	.0	.0	.0	.0	.0	.0	*	*	*	5	.0	.1
14/16	.0	.0	.0	.0	*	*	.0	.1	.1	.1	18	.0	.3
11/13	.0	.0	.0	.0	*	.1	.3	.2	.1	*	39	*	.6
9/10	.0	.0	.0	.0	.1	.2	.3	.2	.1	.0	83	.0	.7
7/8	.0	.0	.0	.0	.2	.4	.6	.2	.1	.0	90	.0	1.5
6	.0	.0	.0	*	.2	.5	.3	.2	*	.0	74	*	1.2
5	.0	.0	.0	*	.3	.7	.6	.1	*	.0	109	*	1.8
4	.0	.0	.0	.1	.5	1.3	.8	.1	*	*	162	*	2.7
3	.0	.0	.0	.1	.7	1.6	.7	*	.0	.0	187	*	3.2
2	.0	.0	*	.2	2.3	2.4	.9	.1	.0	.0	350	.1	5.8
1	.0	.0	.0	.4	2.4	2.7	.9	.0	.0	.0	369	.0	6.3
0	.0	.0	.1	1.2	5.5	4.0	1.1	.1	.0	.0	703	.2	11.8
-1	.0	.0	.1	1.5	4.3	3.1	.6	*	.0	.0	568	.2	9.5
-2	.0	*	.2	2.7	6.1	2.6	.4	.1	.0	.0	726	.1	12.2
-3	.0	.0	.2	2.4	4.9	2.7	.4	.0	.0	.0	618	.1	10.5
-4	.0	*	.3	2.9	4.6	1.9	.3	.0	.0	.0	596	.1	9.8
-5	.0	.0	.2	2.1	3.3	1.6	.1	.0	.0	.0	429	.1	7.2
-6	.0	.0	.2	1.6	2.1	.6	.1	.0	.0	.0	277	.1	4.6
-7/-8	.0	.1	.5	1.9	2.3	.8	*	.0	.0	.0	320	.1	5.4
-9/-10	.0	.1	.2	.9	.9	.1	.0	.0	.0	.0	125	.0	2.1
-11/-13	.0	.1	.1	.4	.3	.1	*	.0	.0	.0	56	*	.9
-14/-16	*	.0	.1	.1	*	.0	.0	.0	.0	.0	13	.0	.2
-17/-19	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	1		119		2412		491		27			68	5804
		22		1080		1632		79		9	5872		
PCT	*	.4	2.0	18.4	41.1	27.8	8.4	1.3	.5	.2	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	2.2	.1	.0	.0	.0	2.5
1-2	.3	8.2	3.8	.0	.0	.0	12.3
3-4	.2	4.6	5.4	.3	.0	.0	10.4
5-6	.0	.9	4.5	.1	.0	.0	5.5
7	.0	.3	.7	.1	.0	.0	1.1
8-9	.0	.1	.2	.1	.0	.0	.4
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	16.2	14.8	.6	.0	.0	32.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	.7
1-2	*	2.0	.4	.0	.0	.0	3.4
3-4	.1	.5	1.7	*	.0	.0	2.3
5-6	.0	.2	1.3	.2	.0	.0	1.6
7	.0	*	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.2	4.5	.3	.0	.0	8.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	0	.0	.0	.0	.3
1-2	.1	.4	.1	.0	.0	.0	.6
3-4	.1	.2	.3	.0	.0	.0	.6
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.9	.6	.0	.0	.0	1.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	*	.6	.0	.0	.0	.0	.6
3-4	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.1	.3	.0	.0	.0	1.6

PERIOD: (OVER-ALL) 1963-1979 JANUARY AREA C01 CENTRAL BAJA WEST
TABLE 18 (CONT) 26.4N 114.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.1	.0	.0	.0	.2
1-2	.2	.5	.1	.0	.0	.0	.7
3-4	.0	.4	.3	.1	.0	.0	.6
5-6	.0	.1	.0	.1	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.7	.1	.0	.0	1.9

Sb

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.1	.0	.0	.0	.3
1-2	.2	.7	.1	.0	.0	.0	1.0
3-4	.0	.2	.2	•	.0	.0	.5
5-6	.0	•	.0	.0	.0	.0	•
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.4	1.0	.1	.0	.0	2.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.5	.0	.0	.0	.0	.8
1-2	.2	2.4	.4	.0	.0	.0	2.9
3-4	.0	.5	.4	.0	.0	.0	1.3
5-6	.0	.3	.1	.0	.0	.0	.4
7	.0	.1	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.7	1.4	.1	.0	.0	5.8

Wb

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.4	.2	.0	.0	.0	3.3
1-2	.5	12.1	4.8	.0	.0	.0	17.4
3-4	.1	5.2	10.1	.3	.0	.0	15.8
5-6	.0	1.0	3.4	.4	.0	.0	4.7
7	.0	.4	1.4	.3	.0	.0	2.2
8-9	.0	•	.2	.1	.0	.0	.3
10-11	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	21.0	20.3	1.1	.0	.0	44.0	97.4

TOTAL PCT

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.7	6.4	.3	.0	.0	.0	11.4	
1-2	2.3	26.6	10.5	.0	.0	.0	39.4	
3-4	.5	11.4	18.9	.7	.0	.0	31.5	
5-6	.0	2.4	9.4	.7	.0	.0	12.5	
7	.0	.8	2.3	.5	.0	.0	3.6	
8-9	.0	.1	.5	.4	.0	.0	1.0	
10-11	.0	.0	.4	.1	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.5	47.8	42.4	2.3	.0	.0	100.0	1320

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.7	18.6	18.7	7.5	2.1	.8	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2422	3
6-7	.1	2.3	6.6	5.8	3.2	1.2	.5	.1	.3	•	.0	.0	•	.0	.0	.0	.0	.0	.0	930	5
8-9	•	.9	2.7	2.9	2.0	1.2	.3	•	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	470	5
10-11	.0	.8	1.1	.9	.5	.4	.3	•	•	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	189	5
12-13	.0	.0	.7	.5	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	6
>13	.0	.0	.0	.5	.3	.2	.1	•	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	56	8
INDET	5.0	2.0	1.3	.7	.5	.2	.1	.0	.0	•	.0	.0	•	.0	.0	.0	.0	.0	.0	452	2
TOTAL	451	1132	1432	866	407	192	71	15	26	8	2	0	3	0	0	0	0	0	0	4607	4
PCT	9.8	24.6	31.1	18.8	8.8	4.2	1.5	.3	.6	.2	•	.0	.1	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1891-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.3	.1	.1	.0	.0	.0	.0	.6	.3	.0	.4	.1	1.6		.0	97.0
NE	1.0	.0	.2	.0	.0	.0	.0	1.1	.2	.0	.0	.0	2.0		.0	96.7
E	1.9	.0	.9	.0	.0	.0	.0	2.8	1.6	.0	3.2	.9	4.2		.0	87.3
SE	1.3	.0	1.8	.0	.0	.0	.0	3.1	2.3	.0	2.4	1.0	1.3		.0	89.3
S	4.8	.9	1.4	.0	.0	.0	.0	7.2	2.4	1.4	1.6	.0	1.8		.0	85.5
SW	1.3	.6	1.1	.0	.0	.0	.0	3.2	1.3	.4	2.6	.8	.0		.0	91.5
W	1.2	.6	.3	.0	.0	.0	.0	2.1	1.0	.2	1.2	.0	1.7		.0	93.6
NW	.2	.1	.1	.0	.0	.0	.0	.4	.3	*	.4	.1	2.1		.0	96.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	2.7	.0	4.9		.0	90.2
TOT PCT	.5	.1	.3	.0	.0	.0	.0	.9	.5	.1	1.0	.1	2.0		.0	95.4
TOT OBS:	6234															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.2	.5	.2	.0	.0	.0	.0	.8	.5	.1	.6	.0	2.8		.0	95.0
06E09	.6	.1	.3	.0	.0	.0	.0	1.0	.4	.2	.7	.0	1.4		.0	96.3
12E15	.8	.1	.3	.0	.0	.0	.0	1.1	.5	.1	.9	.1	1.9		.0	95.2
18E21	.3	.1	.2	.0	.0	.0	.0	.6	.5	.0	1.4	.4	2.1		.0	95.0
TOT PCT	.5	.2	.3	.0	.0	.0	.0	.9	.5	.1	1.0	.1	2.0		.0	95.4
TOT OBS:	6327															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	10.9	13.1	1.0	.0	.0		26.0	12.0	20.2	24.2	23.9	17.2	29.5	30.0	30.2	32.1
NE	.4	2.6	1.9	.2	.0	.0		5.1	10.6	2.6	5.4	3.5	6.1	5.6	7.9	8.1	4.8
E	.3	1.1	.3	*	.0	.0		1.8	7.5	1.1	.4	1.2	1.4	2.1	2.4	2.7	2.1
SE	.3	1.0	.2	.0	.0	.0		1.5	6.8	1.3	.4	1.3	.6	1.3	1.7	2.0	2.7
S	.3	1.2	.2	.0	*	.0		1.7	7.0	1.8	.8	1.4	1.9	1.5	2.4	1.8	.9
SW	.3	1.4	.4	*	*	.0		2.2	7.5	2.6	2.0	1.9	1.7	1.8	1.7	2.1	3.5
W	.6	4.2	2.0	.1	.0	.0		6.9	9.2	8.7	4.2	7.7	8.7	6.1	6.2	5.4	5.0
NW	1.6	21.6	26.6	2.0	*	.0		51.9	12.2	59.6	57.7	56.2	54.8	48.7	45.8	44.7	46.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0							3.0	.0	2.1	4.4	2.8	5.6	3.5	1.9	3.5	2.6
TOT OBS	529	2038	2983	224	3	0	6677		11.1	1532	124	1483	161	1417	209	1557	194
TOT PCT	7.9	44.0	44.7	3.4	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.4	16.7	4.8	.1	.0		26.0	12.0	20.5	23.2	29.6	30.4
NE	1.5	2.8	.8	*	.0		5.1	10.6	2.9	3.8	5.9	7.7
E	.9	.8	*	*	.0		1.8	7.5	1.0	1.2	2.1	2.6
SE	.8	.7	*	.0	.0		1.5	6.8	1.2	1.3	1.3	2.0
S	.9	.7	.1	*	.0		1.7	7.0	1.7	1.5	2.0	1.7
SW	1.1	.9	.1	*	.0		2.2	7.5	2.5	2.1	1.8	2.2
W	2.4	3.8	.7	.0	.0		6.9	9.2	8.4	7.8	6.1	5.3
NW	7.8	34.3	9.4	.4	.0		51.9	12.2	59.4	56.0	48.0	44.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.0						3.0	.0	2.3	3.1	3.3	3.4
TOT OBS	1529	4052	1058	38	0	6677		11.1	1656	1644	1626	1751
TOT PCT	22.9	60.7	15.8	.6	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1893-1979

TABLE 4

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00EST	2.3	5.7	41.5	46.7	3.7	.1	.0	11.3	100.0	1656
06EST	3.1	4.3	40.2	48.3	4.0	.1	.0	11.7	100.0	1644
12EST	3.3	3.6	46.1	44.1	2.8	.1	.0	11.0	100.0	1626
18EST	3.4	5.9	48.0	39.9	2.9	.0	.0	10.5	100.0	1751
TOT	402	327	2938	2983	224	3	0	11.1		6677
PCT	3.0	4.9	44.0	44.7	3.4	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	14.9	4.0	5.5	2.0		2.6
NE	3.4	.7	.9	.3		2.1
E	.8	.2	.6	.2		3.7
SE	.4	.2	.5	.4		4.7
S	.4	.3	.4	.5		5.1
SW	.6	.3	.8	.3		4.3
W	2.8	1.1	1.8	1.2		3.8
NW	26.5	8.4	12.0	4.1		3.0
VAR	.0	.0	.0	.0		.0
CALM	1.4	.4	.7	.4		3.2
TOT OBS	2560	779	1156	535	5050	3.0
TOT PCT	51.1	15.4	22.9	10.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >H/B) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

CEILING	000 149	150 299	300 599	600 999	1000 1999	2000 2999	3000 3999	4000 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	*	*	.9	1.4	1.1	.9	.2	.1	.3		21.3	
NE	.0	.0	*	.1	.1	.2	.1	*	*	*		4.6	
E	.0	.0	*	*	.1	.1	.1	*	.0	*		1.4	
SE	*	.0	.0	.1	.2	.1	*	.1	*	*		.9	
S	.1	.0	.0	.2	.3	.1	.1	.0	.0	*		.9	
SW	*	.0	.0	.2	.2	.2	.1	.0	.0	*		1.4	
W	.1	*	*	.3	.8	.5	.2	*	*	*		4.8	
NW	.2	.1	.3	1.7	4.4	2.5	1.1	.4	.3	.3		40.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
CALM	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0		2.2	
TOT OBS	30	9	20	180	383	253	118	45	30	35		3947	5050
TOT PCT	.6	.2	.4	3.6	7.6	5.0	2.3	.9	.6	.7		78.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >H/B) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
: OR >5000	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
: OR >3500	4.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6
: OR >2000	8.8	9.6	9.7	9.7	9.7	9.7	9.7	9.7
: OR >1000	15.5	17.1	17.3	17.3	17.3	17.3	17.3	17.3
: OR >600	18.6	20.5	20.8	20.8	20.8	20.8	20.8	20.8
: OR >300	18.9	20.9	21.2	21.2	21.2	21.2	21.2	21.2
: OR >150	19.0	21.0	21.4	21.4	21.4	21.4	21.4	21.4
: OR > 0	19.3	21.4	21.8	21.8	21.8	21.9	21.9	21.9
TOTAL	982	1093	1111	1112	1113	1115	1117	1119

TOTAL NUMBER OF OPS: 5100

PCT FREQ HH <5/8: 78.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
40.7	11.1	10.2	8.7	6.6	4.8	5.2	5.5	6.8	.4	5373

PERIOD: (PRIMARY) 1952-1979 AREA 031 CENTRAL BAJA WEST
(OVER-ALL) 1893-1979 26.4N 114.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	*	*	*	*	*	.1	.0	*	.2	
	TOT %	*	.0	*	*	*	*	*	.1	.0	*	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
1<2	PCP	.0	.0	*	*	*	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	*	.0	.0	.0	*	*	.0	.0	.1	
	TOT %	*	.0	*	*	*	.0	*	*	.0	.0	.1	
2<5	PCP	*	.0	*	*	*	*	*	*	.0	.0	.1	
	NO PCP	.2	*	*	*	.0	*	.1	.5	.0	*	.8	
	TOT %	.2	*	*	*	*	*	.1	.5	.0	*	1.0	
5<10	PCP	*	*	*	*	.1	*	.1	*	.0	*	.3	
	NO PCP	1.4	.3	.2	.1	.2	.1	.4	3.7	.0	.3	6.8	
	TOT %	1.4	.3	.2	.2	.3	.2	.4	3.8	.0	.4	7.1	
10+	PCP	.1	*	*	*	*	*	.1	.1	.0	*	.4	
	NO PCP	24.1	4.5	1.4	1.3	1.4	1.9	6.3	47.7	.0	2.6	91.2	
	TOT %	24.2	4.6	1.4	1.3	1.4	1.9	6.3	47.8	.0	2.6	91.6	
TOT OBS													6209
TOT PCT		25.8	4.9	1.7	1.5	1.7	2.1	6.9	52.2	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	.0	*	.0	.0	.0	.0	.0	.0	*	*	
	4-10	*	.0	.0	*	*	*	*	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	*	*	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	*	*	*	*	*	.1	.0	*	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	4-10	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	.0	.0	.0	*	.0	.0	*	
1<2	0-3	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	*	.0	*	*	*	.0	*	*	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	*	*	*	.0	*	.1	.0	.0	.2	
2<5	0-3	.0	.0	*	*	.0	*	*	*	.0	*	.1	
	4-10	.1	*	*	*	*	*	*	.2	.0		.5	
	11-21	.1	*	*	.0	.0	*	*	.3	.0		.5	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.2	.1	*	*	*	*	.1	.6	.0	*	1.1	
5<10	0-3	.1	*	*	*	.1	*	*	.1	.0	.3	.8	
	4-10	.6	.1	.2	.1	.2	.1	.3	1.4	.0		3.0	
	11-21	.7	.2	*	*	*	*	.1	2.0	.0		3.1	
	22+	.1	.0	.0	.0	.0	.0	*	.3	.0		.4	
	TOT %	1.5	.3	.2	.2	.3	.2	.4	3.8	.0	.3	7.2	
10+	0-3	.9	.4	.2	.2	.2	.3	.5	1.4	.0	2.6	6.7	
	4-10	10.1	2.4	1.6	.9	1.0	1.2	3.8	19.8	.0		40.1	
	11-21	12.3	1.7	.3	.2	.2	.4	1.9	29.4	.0		91.3	
	22+	.9	.2	*	.0	*	*	*	1.8	.0		3.0	
	TOT %	24.2	4.7	1.5	1.3	1.4	1.9	6.3	47.3	.0	2.6	91.2	
TOT OBS													6512
TOT PCT		26.0	5.1	1.8	1.5	1.8	2.1	6.9	51.9	.0	2.9	100.0	

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1887-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.3	.1	.5	3.6	6.9	4.9	2.3	1.0	.7	1.0	21.6	78.4	1359
06E09	.7	.0	.2	2.4	6.3	4.1	1.6	1.1	.5	.5	17.5	82.5	1325
12E15	.6	.3	.4	3.4	8.9	5.5	2.3	.6	.6	.5	23.8	76.2	1197
18E21	.5	.3	.4	3.7	7.5	5.2	2.9	.7	.5	.9	22.6	77.4	1400
TOT	30	9	20	182	388	260	123	46	30	38	1126	4155	5281
PCT	.6	.2	.4	3.4	7.3	4.9	2.3	.9	.6	.7	21.3	78.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.1	.1	.9	7.0	91.7	1631
06E09	.2	.0	.2	.9	7.1	91.6	1638
12E15	.3	.0	.2	1.6	8.9	89.0	1598
18E21	.3	.1	.2	1.1	6.2	92.2	1738
TOT	17	3	11	73	481	6020	6605
PCT	.3	*	.2	1.1	7.3	91.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.3	1.0	5.2	17.1	77.7	1317
06E09	.7	.9	4.3	14.7	81.4	1284
12E15	.9	1.6	6.1	18.8	75.1	1154
18E21	.5	1.3	5.9	18.1	75.9	1345
TOT	30	61	274	870	3956	5100
PCT	.6	1.2	5.4	17.1	77.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.1	*	*	.0	*	.0	7	.1
75/79	.0	.0	.1	.1	.3	.1	*	.1	46	.9
70/74	*	*	.2	.4	1.8	1.2	.8	.3	260	4.9
65/69	.0	.1	.7	1.9	4.3	8.3	7.2	2.1	1302	24.6
60/64	.0	*	.7	4.0	10.4	15.1	17.2	5.2	2779	52.5
55/59	.0	.0	.2	1.0	2.2	4.8	5.9	2.4	875	16.5
50/54	.0	.0	.0	.1	.1	.1	.1	*	21	.4
TOTAL	1	*	101	414	1008	1566	1655	537	5290	100.0
PCT	*	.2	1.9	7.8	19.1	29.6	31.3	10.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	*	.0	.0	*	*	*	.0	.0
.1	*	.0	*	*	*	.1	.5	.0	*
.9	.3	.1	.1	.2	.1	.4	2.5	.0	.3
5.8	1.2	.4	.7	.5	.6	2.1	12.2	.0	1.0
14.5	2.7	.8	.6	.8	1.0	3.4	27.3	.0	1.3
4.8	1.0	.2	.1	.1	.2	.8	9.2	.0	.2
.1	*	*	*	*	.0	*	.1	.0	.0
26.2	5.2	1.7	1.5	1.6	2.0	6.8	52.1	.0	2.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	84	77	73	64	59	56	51	64.9	1666
06E09	82	69	67	62	57	54	49	61.9	1657
12E15	78	68	66	61	56	54	52	61.1	1643
18E21	82	74	71	64	58	56	50	64.2	1767
TOT	84	74	70	63	57	55	49	63.0	6733

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.1	12.4	21.5	31.8	27.3	6.9	74	1342
06E09	.0	5.3	14.1	27.5	39.6	13.5	79	1347
12E15	.0	9.1	18.4	27.8	35.0	13.6	78	1297
18E21	.0	12.2	25.5	31.0	23.7	7.6	73	1387
TOT	1	526	1019	1588	1683	556	76	5373

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1843-1979

AREA CC1 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	% FOG	WO FOG
20/22	.0	.0	.0	.0	.0	*	.0	.0	*	3	.0	.1
17/19	.0	.0	.0	.0	.0	*	*	*	.1	8	.0	.1
14/16	.0	.0	.0	*	*	*	.1	.1	.0	20	.0	.3
11/13	.0	.0	.0	.1	*	.2	.4	.2	*	50	.0	.9
9/10	.0	.0	*	*	.3	.3	.2	*	*	54	*	.9
7/8	.0	.0	.1	.2	.7	.8	.4	*	.0	125	.0	2.2
6	.0	.0	.1	.3	.5	.6	.1	.0	.0	91	.0	1.6
5	.0	.0	*	.7	1.3	.6	.1	.0	.0	162	.0	2.8
4	.0	.0	.1	1.2	1.6	.6	.1	*	.0	208	.1	3.6
3	.0	*	.2	1.0	2.1	.4	.1	.0	.0	217	.1	3.7
2	.0	.0	.5	2.9	3.0	.6	.1	.0	.0	408	.1	7.0
1	.0	.1	.6	3.4	2.3	.5	*	.0	.0	394	*	6.8
0	.0	.1	2.0	6.9	3.3	.4	*	.0	.0	737	.1	12.7
-1	.0	.1	2.6	6.0	2.2	.2	.0	.0	.0	660	.2	11.3
-2	.0	.2	4.4	6.6	2.1	.1	.0	.0	.0	767	.2	13.1
-3	.0	.1	3.7	4.5	1.2	*	.0	.0	.0	554	.1	9.5
-4	.0	.6	3.5	3.3	.7	.1	.0	.0	.0	472	.1	8.1
-5	.0	.6	2.3	2.4	.7	*	.0	.0	.0	344	*	5.9
-6	*	.4	1.7	1.6	.2	.1	.0	.0	.0	232	*	4.0
-7/-8	.0	.3	1.3	1.3	.2	.1	.0	.0	.0	180	*	3.1
-9/-10	*	.2	.4	.4	.1	.0	.0	.0	.0	56	*	.9
-11/-13	*	.1	.2	.1	.0	.0	.0	.0	.0	22	.0	.4
-14/-16	.0	.0	*	*	*	.0	.0	.0	.0	4	.0	.1
-17/-19	*	.0	*	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	5	159	1381	2467	1301	329	94	26	8	5770	54	5716
PCT	.1	2.8	23.9	42.8	22.5	5.7	1.6	.5	.1	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.9	.1	.0	.0	.0	2.3
1-2	.4	6.1	2.7	.0	.0	.0	9.2
3-4	.1	3.7	6.6	.2	.0	.0	10.5
5-6	.0	.5	4.0	.6	.0	.0	5.1
7	.0	.2	1.0	.3	.0	.0	1.5
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	12.3	14.6	1.1	.0	.0	28.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.4	.0	.0	.0	.0	.9
1-2	.1	1.8	.7	.0	.0	.0	2.6
3-4	.0	.5	.7	.1	.0	.0	1.3
5-6	.0	.1	.8	.1	.0	.0	1.0
7	.0	*	.2	.2	.0	.0	.3
8-9	.0	.0	.1	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.8	2.5	.5	.0	.0	6.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.3
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.2	.2	.0	.0	.0	.5
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.9	.4	.0	.0	.0	1.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.3
1-2	.0	.4	.2	.0	.0	.0	.5
3-4	*	.3	.2	.0	.0	.0	.5
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.8	.4	.0	.0	.0	1.4

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.2	.1	.0	.0	.0	.3
3-4	.1	.1	.1	.0	.0	.0	.2
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.1	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.5	.2	.0	.1	.0	.8

SW

1-3	4-10	11-21	22-33	34-47	48+	PCT
.2	.2	.1	.0	.0	.0	.5
*	.3	.4	.0	.0	.0	.7
.0	*	.1	.0	.0	.0	.1
.0	*	.1	.0	.0	.0	.1
.0	.0	.1	.0	.0	.0	.1
.0	.0	.0	.1	*	.0	.1
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.2	.2	.1	.0	.0	.0	.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6
1-2	.2	1.6	.4	.0	.0	.0	2.2
3-4	.0	.6	1.1	.0	.0	.0	1.9
5-6	.0	.1	.6	.0	.0	.0	.7
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.0	2.2	.1	.0	.0	5.6

NW

1-3	4-10	11-21	22-33	34-47	48+	PCT
.5	1.6	.2	.0	.0	.0	2.3
.6	10.2	6.1	.0	.0	.0	16.9
.2	6.2	11.0	.2	.0	.0	17.5
.0	1.3	7.2	.5	.0	.0	9.0
.0	.2	2.2	.3	.0	.0	2.8
.0	.1	1.0	.5	.0	.0	1.5
.0	.0	.2	.1	.0	.0	.3
.0	.0	.0	.0	.1	.0	.1
.0	.0	.1	.0	.0	.0	.1
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0
1.3	19.8	27.9	1.5	.1	.0	50.5	96.6

TOTAL PCT

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.9	4.7	.3	.0	.0	.0	10.9	
1-2	1.0	21.1	10.3	.0	.0	.0	33.1	
3-4	.3	11.7	19.8	.4	.0	.0	32.2	
5-6	.0	2.2	12.7	1.2	.0	.0	16.2	
7	.0	.4	3.5	.8	.0	.0	4.8	
8-9	.0	.1	1.2	.7	.1	.0	2.0	
10-11	.0	.0	.3	.1	.0	.0	.5	
12	.0	.0	.0	.0	.1	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1343
TOT PCT	8.0	40.4	48.3	3.2	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.0	15.7	17.8	8.4	2.7	1.2	.6	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2237	3
6-7	.1	1.9	8.2	9.0	3.3	1.8	1.0	.3	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	1160	5
8-9	*	.6	1.7	2.6	2.6	1.2	.7	.2	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	461	6
10-11	.0	.7	.7	.7	1.0	.7	.4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	198	6
12-13	.0	.0	.6	.4	.3	.3	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	6
>13	.0	.0	.0	.4	.1	.1	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	7
INDET	3.2	1.5	1.3	.6	.3	.3	*	*	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	330	2
TOTAL	289	919	1372	1004	466	250	131	35	34	7	3	1	0	0	0	0	0	0	0	4511	4
PCT	6.4	20.4	30.4	22.3	10.3	5.5	2.9	.8	.8	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1875-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.1	.1	.1	.0	.0	.0	.0	.3	.0	.1	.5	.0	2.1	.1		96.9
NE	.0	.1	.6	.0	.0	.0	.0	.1	.0	.0	.7	.0	1.4	.0		97.8
E	.0	1.2	.0	.0	.0	.0	.0	1.2	.0	1.6	.0	.0	1.6	.0		95.5
SE	2.3	1.8	.5	.0	.0	.0	.0	4.5	2.7	.0	2.3	.0	1.8	.0		89.1
S	1.7	.8	.8	.0	.0	.0	.0	3.3	3.9	1.1	3.6	.0	1.1	.0		86.9
SW	.2	.4	.8	.0	.0	.0	.0	1.5	2.1	.0	3.3	.0	3.3	.0		89.8
W	.1	.1	.4	.0	.0	.0	.0	.6	1.4	.0	1.1	.0	2.0	.0		94.9
NW	.1	.1	.2	.0	.0	.0	.0	.4	.3	*	.9	.0	2.1	.1		96.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	1.5	.0	.7	.0	.0	.0	.0	2.2	2.2	1.5	7.3	.7	4.4	.0		82.5
TOT PCT	.2	.1	.2	.0	.0	.0	.0	.5	.5	.1	1.1	*	2.1	.1		95.6
TOT OBS:	7103															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00-03	.1	.1	.2	.0	.0	.0	.0	.4	.5	.0	.5	.0	2.8	.2		95.7
06-09	.2	.0	.2	.0	.0	.0	.0	.3	.2	.2	.9	.1	1.7	.1		96.5
12-15	.1	.2	.3	.0	.0	.0	.0	.6	.5	.2	1.4	.0	1.7	.1		95.4
18-21	.2	.3	.3	.0	.0	.0	.0	.7	.6	.0	1.5	.0	2.2	.1		94.9
TOT PCT	.2	.1	.3	.0	.0	.0	.0	.5	.5	.1	1.1	*	2.1	.1		95.6
TOT OBS:	7185															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	6.7	10.3	1.5	*	.0		19.0	13.2	13.7	15.9	17.2	17.0	21.9	23.2	22.9	20.2
NE	.2	1.3	1.0	.1	*	.0		2.7	11.0	1.2	1.2	1.2	1.0	4.0	3.5	4.5	2.5
E	.2	.5	.2	*	.0	.0		.8	7.6	.8	.0	.7	1.0	.8	.6	1.1	.2
SE	.2	.3	.2	*	.0	.0		.8	8.7	.7	.8	.6	.3	.9	.7	.9	.8
S	.3	1.0	.1	.0	.0	.0		1.3	6.8	1.5	2.0	1.2	1.3	1.2	1.4	1.5	1.4
SW	.2	1.2	.3	*	.0	.0		1.7	7.8	1.9	5.1	1.6	2.6	1.1	.6	2.2	1.9
W	.6	5.4	3.1	.2	*	.0		9.3	10.1	11.6	10.4	9.7	12.8	7.8	10.1	7.7	9.0
NW	1.4	21.1	35.8	4.0	*	.0		62.4	13.2	67.7	63.8	66.7	63.6	59.6	58.2	56.9	62.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	.9	.8	1.6	.5	2.7	1.7	2.9	1.2
TOT OBS	421	2875	3911	446	7	0	7660		12.4	1715	127	1716	199	1638	236	1787	242
TOT PCT	5.5	37.5	51.1	5.8	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.6	11.5	4.6	.3	.0		19.0	13.2	13.9	17.2	22.1	22.6
NE	.7	1.6	.4	*	.0		2.7	11.0	1.2	1.2	3.9	4.3
E	.4	.3	*	.0	.0		.8	7.6	.7	.7	.8	1.0
SE	.3	.3	.1	.0	.0		.8	8.7	.7	.6	.9	.9
S	.7	.6	*	.0	.0		1.3	6.8	1.5	1.2	1.2	1.5
SW	.9	.7	.1	.0	.0		1.7	7.8	2.1	1.7	1.1	2.1
W	2.4	6.0	.8	*	.0		9.3	10.1	11.6	10.0	8.0	7.8
NW	7.6	38.5	15.7	.6	.0		62.4	13.2	67.4	65.9	59.4	57.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	.9	1.5	2.6	2.7
TOT OBS	1346	4568	1675	71	0	7660		12.4	1842	1915	1874	2029
TOT PCT	17.6	59.6	21.9	.9	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1874-1979

AREA 001 CENTRAL BAJA WEST
26.0N 114.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.9	2.4	33.7	56.0	6.9	.2	.0	13.2	100.0	1842
06&09	1.5	2.9	34.6	54.5	6.6	.0	.0	13.0	100.0	1915
12&15	2.6	3.5	41.0	48.0	4.9	.1	.0	11.9	100.0	1874
18&21	2.7	5.0	40.7	46.2	4.9	.1	.0	11.5	100.0	2029
TOT	147	274	2875	3911	496	7	0	12.4		7660
PCT	1.9	3.6	37.5	51.1	6.5	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	10.3	3.0	4.2	2.2		3.0
NE	1.8	.7	.5	.7		2.6
E	.9	.2	.2	.1		3.2
SE	.2	.1	.2	.2		4.3
S	.3	.1	.4	.3		4.7
SW	.7	.2	.5	.4		4.1
W	3.7	1.5	2.4	1.7		3.9
NW	27.4	10.8	16.4	7.3		3.4
VAR	.0	.0	.0	.0		.0
CALM	.8	.2	.3	.6		3.9
TOT OBS	2493	955	1435	737	5720	3.4
TOT PCT	45.3	16.7	25.1	12.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,&M >H/B) AND OCCURRENCE OF MM <S/P BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <S/P ANY HGT	TOTAL OBS
N	.1	.1	.1	.8	1.7	1.0	.3	.1	*	.1	15.8	
NE	*	.0	.0	.1	.1	.2	.1	*	*	*	2.2	
E	.0	*	.0	*	.1	*	*	*	.0	.0	.1	
SE	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.5	
S	*	.0	*	*	.2	.1	.0	*	.0	.0	.8	
SW	*	*	*	.2	.2	.1	*	*	*	.0	1.1	
W	.1	*	.1	.7	1.1	.6	.2	.1	*	*	6.9	
NW	.4	.2	.5	3.3	6.0	4.0	1.2	.5	.3	.2	45.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	*	*	.2	.2	.1	.1	.0	.1	.0	1.2	
TOT OBS	46	20	42	307	554	350	109	46	26	21	4199	5720
TOT PCT	.8	.3	.7	5.4	9.7	6.1	1.9	.8	.5	.4	73.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HM >H/B) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >1&1/2	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	.7	.9	.9	.9	.9	.9	.9	.9
= OR >5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= OR >3500	3.1	3.5	3.6	3.6	3.6	3.6	3.6	3.6
= OR >2000	8.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6
= OR >1000	17.1	19.2	19.3	19.3	19.3	19.3	19.3	19.3
= OR >600	21.6	24.4	24.6	24.7	24.7	24.7	24.7	24.7
= OR >300	22.0	25.1	25.3	25.4	25.4	25.4	25.4	25.4
= OR >150	22.3	25.4	25.6	25.7	25.8	25.8	25.8	25.8
= OR > 0	22.6	26.0	26.3	26.4	26.5	26.5	26.6	26.6
TOTAL	1304	1498	1515	1522	1526	1527	1530	1532

TOTAL NUMBER OF OBS: 5762

PCT FREQ MM <5/8: 73.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
35.7	10.9	10.9	9.0	6.4	5.3	6.4	6.2	8.8	.4	6092

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1975-1979

AREA 001 CENTRAL BAJA WEST
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	•	•	•	.1	.0	•	.2	
	TOT %	.0	.0	.0	.0	•	•	•	.1	.0	•	.2	
1/2<1	PCP	.0	.0	.0	.0	•	•	.0	.0	.0	.0	•	
	NO PCP	.0	.0	.0	.0	.0	•	.0	.0	.0	.1	.1	
	TOT %	.0	.0	.0	.0	•	•	.0	.0	.0	.1	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	•	.0	.0	.0	.0	•	•	.1	.0	.0	.1	
	TOT %	•	.0	.0	.0	.0	•	•	.1	.0	.0	.1	
2<5	PCP	.0	.0	.0	•	.0	.0	.0	•	.0	.0	•	
	NO PCP	.1	•	.0	.0	•	•	.1	.3	.0	•	.5	
	TOT %	.1	•	.0	•	•	•	.1	.3	.0	•	.5	
5<10	PCP	•	.0	.0	•	•	•	.0	.1	.0	.0	.1	
	NO PCP	1.3	.1	•	.1	.2	.2	.6	5.6	.0	.3	8.5	
	TOT %	1.3	.1	•	.1	.2	.2	.6	5.7	.0	.3	8.6	
10+	PCP	•	•	•	.0	.0	•	.1	.2	.0	•	.3	
	NO PCP	17.5	2.6	.8	.7	1.0	1.4	8.5	56.4	.0	1.5	90.2	
	TOT %	17.5	2.6	.8	.7	1.0	1.4	8.5	56.6	.0	1.5	90.4	
	TOT OBS												7080
	TOT PCT	18.9	2.7	.8	.8	1.3	1.7	9.3	62.7	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	•	•	.0	•	.0	.0	•	.0	•	.1	
	4-10	•	.0	.0	.0	•	•	•	.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	•	•	.0	•	•	•	.1	.0	•	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	•	.0	.0	.0	.1	.1	
	4-10	.0	.0	.0	.0	.0	.0	•	.0	.0		•	
	11-21	.0	.0	.0	.0	•	•	.0	.0	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	•	•	•	.0	.0	.1	.1	
1<2	0-3	.0	.0	.0	.0	.0	•	•	•	.0	.0	•	
	4-10	•	•	.0	.0	.0	•	•	.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	•	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	•	.0	.0	.0	•	•	.1	.0	.0	.2	
2<5	0-3	.0	.0	•	•	•	•	•	.0	.0	.1	.1	
	4-10	.1	•	.0	•	•	•	.1	.3	.0		.6	
	11-21	•	.0	.0	.0	.0	.0	•	.2	.0		.2	
	22+	•	•	.0	.0	.0	.0	•	•	.0		•	
	TOT %	.1	•	•	•	•	•	.2	.5	.0	.1	.9	
5<10	0-3	•	•	.0	•	.1	•	•	.2	.0	.2	.6	
	4-10	.4	•	•	•	.2	.1	.3	2.3	.0		3.5	
	11-21	.7	•	•	.1	•	•	.2	2.7	.0		3.9	
	22+	.1	.0	.0	.0	.0	•	•	.4	.0		.5	
	TOT %	1.3	.1	.1	.1	.2	.2	.6	5.7	.0	.2	8.4	
10+	0-3	.5	.2	.1	.2	.2	.1	.5	1.1	.0	1.5	4.5	
	4-10	6.0	1.2	.5	.3	.7	.9	5.0	18.2	.0		32.8	
	11-21	9.5	1.0	.2	.2	.1	.3	2.8	33.1	.0		47.2	
	22+	1.5	.1	•	•	.0	.0	.2	3.7	.0		5.5	
	TOT %	17.5	2.5	.8	.7	1.0	1.4	8.5	56.2	.0	1.5	90.1	
	TOT OBS												7432
	TOT PCT	18.9	2.6	.8	.8	1.3	1.7	9.3	62.6	.0	1.6	100.0	

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1875-1976

AREA 001 CENTRAL BASE WEST
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.3	.2	.3	3.1	7.6	5.7	2.1	.9	.6	.5	21.3	78.7	1497
06E09	.9	.3	1.2	3.4	6.2	4.2	1.3	.3	.3	.3	18.2	81.8	1518
12E15	1.2	.4	1.0	7.9	11.6	5.6	1.8	.6	.1	.3	30.5	69.5	1359
18E21	.8	.4	.4	6.8	11.9	7.9	2.2	1.3	.7	.4	32.8	67.2	1603
TOT	47	20	42	314	556	351	110	67	27	22	1536	4441	5977
PCT	.8	.3	.7	5.3	9.3	5.9	1.8	.8	.5	.4	25.7	74.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	.0	.1	.4	8.4	91.1	1793
06E09	.2	.0	.2	.9	8.8	89.9	1895
12E15	.9	.2	.2	1.2	8.0	89.1	1818
18E21	.4	.2	.2	1.1	7.8	90.1	2007
TOT	18	8	15	70	636	6766	7513
PCT	.2	.1	.2	.9	8.5	90.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.3	.8	4.3	17.7	78.0	1457
06E09	1.0	2.5	6.4	12.9	80.7	1463
12E15	1.3	2.8	11.4	20.6	67.9	1304
18E21	.8	1.9	9.4	25.3	65.3	1538
TOT	49	114	449	1104	4209	5762
PCT	.9	2.0	7.8	19.2	73.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	*	.0	*	.0	.0	.0	2	*
75/79	.0	*	.1	.2	.2	.1	*	*	35	.6
70/74	*	.0	.1	.6	1.2	.8	.4	.2	187	3.2
65/69	.0	.1	.4	1.6	4.2	6.0	4.6	1.4	1076	18.5
60/64	.0	.1	.4	2.0	9.7	16.4	18.9	5.9	3108	53.3
55/59	.0	.0	.1	.5	2.5	7.4	9.6	3.9	1398	24.0
50/54	.0	.0	.0	*	.1	.1	.1	.1	21	.4
TOTAL	1	10	59	278	1041	1796	1972	670	5827	100.0
PCT	*	.2	1.0	4.8	17.9	30.8	33.8	11.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	*	.0	.0
.1	*	.0	.0	*	.0	.1	.3	.0	*
.6	.1	.1	*	.1	.1	.3	1.8	.0	.1
3.5	.7	.2	.2	.4	.4	2.1	10.4	.0	.5
9.7	1.2	.3	.3	.6	1.1	5.1	34.0	.0	1.0
5.3	.6	.2	.1	.1	.1	1.8	15.6	.0	.3
.1	*	.0	*	*	.0	*	.1	.0	*
19.3	2.6	.8	.7	1.2	1.7	9.4	62.3	.0	2.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	82	76	71	64	56	56	52	64.0	1835
06E09	76	68	66	61	56	55	52	60.9	1932
12E15	77	68	65	60	56	54	50	60.2	1688
18E21	81	73	70	63	58	55	50	63.4	7035
TOT	82	73	69	62	57	55	50	62.1	7690

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.1	7.9	24.1	33.6	27.4	6.9	74	1834
06E09	.0	2.1	11.6	27.1	42.0	17.3	81	1504
12E15	.0	3.9	12.0	29.1	39.8	15.3	80	1426
18E21	.0	9.7	27.3	33.2	26.8	6.9	74	1529
TOT	1	350	1047	1812	2001	682	77	5893

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1875-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	%	NO
TMP DIF	52	56	60	64	68	72	76	80	84		FOG	FOG
20/22	.0	.0	.0	.0	.0	*	.0	*	*	4	.0	.1
17/19	.0	.0	.0	.0	*	.0	.0	*	.0	3	.0	*
14/16	.0	.0	.0	*	*	.1	.2	.1	.0	26	.0	.4
11/13	.0	.0	*	*	.2	.3	.3	.1	.0	55	*	.9
9/10	.0	.0	*	.1	.3	.5	.2	*	.0	79	.0	1.2
7/8	.0	*	*	.2	.9	.8	.1	.0	.0	133	*	2.0
6	.0	.0	.1	.3	1.0	.4	.1	.0	.0	123	.0	1.9
5	.0	.0	.1	.6	1.7	.4	.1	.0	.0	191	*	2.9
4	.0	*	.2	1.7	2.0	.3	*	.0	.0	281	.1	4.2
3	.0	.0	.5	1.9	1.8	.3	*	.0	.0	291	.0	4.4
2	.0	.0	1.0	4.3	2.1	.4	.0	.0	.0	506	*	7.7
1	.0	*	1.5	4.3	1.8	.2	.0	.0	.0	517	.1	7.8
0	*	.2	3.9	7.1	1.9	.2	.0	.0	.0	881	.1	13.3
-1	.0	.3	4.6	5.5	1.2	.1	.0	.0	.0	765	.2	11.5
-2	*	.5	5.9	5.4	.9	*	.0	.0	.0	832	.2	12.5
-3	.0	.5	4.1	3.6	.6	.1	.0	.0	.0	590	.1	8.9
-4	*	.9	4.2	2.4	.3	.0	.0	.0	.0	509	.1	7.6
-5	.0	.5	2.7	1.7	.1	*	.0	.0	.0	329	*	5.0
-6	*	.4	1.6	.9	*	.0	.0	.0	.0	199	.0	3.0
-7/-8	*	.4	1.5	.7	.1	.0	.0	.0	.0	175	*	2.6
-9/-10	.0	.1	.4	.2	.0	.0	.0	.0	.0	47	*	.7
-11/-13	*	*	.1	*	.0	.0	.0	.0	.0	13	.0	.2
-14/-16	.0	*	.0	*	.0	.0	.0	.0	.0	6	.0	.1
-17/-19	.0	*	*	.0	.0	.0	.0	.0	.0	2	.0	*
-20/-22	.0	*	*	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	8		2171		1108		66		1		69	6495
		280		2701		274		14		6563		
PCT	.1	4.0	32.5	41.2	16.9	4.2	1.0	.2	*	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.8	.1	.1	.0	.0	1.2
1-2	.1	3.7	1.8	.0	.0	.0	5.6
3-4	.0	2.2	4.6	.2	.0	.0	7.0
5-6	.0	.3	3.3	.5	.0	.0	4.2
7	.0	.1	1.0	.5	.0	.0	1.6
8-9	.0	.0	.2	.3	.1	.0	.5
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	7.1	11.1	1.7	.1	.0	20.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.1	.0	.0	.0	.5
1-2	.1	.5	.3	.0	.0	.0	.9
3-4	.1	.5	.5	.1	.0	.0	1.2
5-6	.0	.2	.3	*	.0	.0	.5
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.1	.0	*	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.6	1.4	.2	*	.0	3.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.1	.2	.1	.0	.0	.0	.4
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.1	.2	.0	.0	.0	.3
7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.3	.0	.0	.0	1.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	.0	.1	.1	.0	.0	.0	.2
3-4	.0	.1	.2	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	*	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.3	.4	.0	.0	.0	.9

PERIOD: (OVER-ALL) 1963-1979 AREA 001 CENTRAL BAJA WEST 26.4N 114.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.4
1-2	.1	.3	.0	.0	.0	.0	.3
3-4	.0	.3	.0	.0	.0	.0	.3
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.0	.0	.0	.0	.0	1.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.2	.5	.2	.0	.0	.0	.9
3-4	.0	.4	.2	.0	.0	.0	.6
5-6	.0	*	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.2	.5	.0	.0	.0	1.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.0	.0	.0	.0	1.5
1-2	.3	2.9	1.7	.0	.0	.0	4.9
3-4	.1	1.6	1.0	.0	.0	.0	2.7
5-6	.0	.2	.9	.0	.0	.0	1.0
7	.0	.1	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	5.8	3.7	.0	.0	.0	9.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.0	.2	.0	.0	.0	2.5
1-2	.3	9.0	6.2	.0	.0	.0	15.4
3-4	.4	6.4	12.7	.9	.0	.0	20.3
5-6	.2	1.4	11.4	.7	.0	.0	13.7
7	.0	*	3.1	1.8	.0	.0	4.9
8-9	.0	.0	1.0	.8	.1	.0	1.9
10-11	.0	.0	.2	.8	.0	.0	1.0
12	.0	.0	.1	.0	.1	.0	.2
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	18.9	34.9	5.0	.1	.0	60.1	98.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.7	5.2	.3	.1	.0	.0	8.3	
1-2	1.3	17.1	9.8	.0	.0	.0	28.1	
3-4	.5	11.8	19.1	1.2	.0	.0	32.6	
5-6	.2	2.3	16.2	1.2	.0	.0	19.9	
7	.0	.3	4.5	2.3	.0	.0	7.1	
8-9	.0	.0	1.3	1.1	.1	.0	2.5	
10-11	.0	.0	.3	.9	.0	.0	1.2	
12	.0	.0	.1	.0	.1	.0	.2	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	1449
TOT PCT	4.7	36.7	51.6	6.8	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.7	12.7	16.5	10.5	3.7	1.6	.7	.2	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2572	4
6-7	.1	1.5	7.2	8.7	4.9	2.3	1.0	.4	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	1385	5
8-9	*	.5	1.8	3.2	2.7	1.6	.9	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	605	6
10-11	.0	.3	.6	.7	.8	.5	.4	.2	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	197	7
12-13	.0	.0	.5	.4	.2	.2	.1	*	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	90	7
>13	.0	.0	.0	.4	.3	.1	.1	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	49	7
INDET	2.4	1.5	1.3	.7	.6	.2	.2	.1	*	*	.0	*	.0	.0	.0	.0	.0	.0	.0	372	3
TOTAL	274	866	1471	1298	692	348	172	71	55	16	5	2	0	0	0	0	0	0	0	5270	5
PCT	5.2	16.4	27.9	24.6	13.1	6.6	3.3	1.3	1.0	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1870-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.1	.0	.0	.0	.0	.0	.1	.2	.0	1.1	.1	3.2	.1		95.2
NE	1.6	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	3.7	.0		94.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	2.2	3.9	.0		87.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	6.4	.0		88.8
S	.0	2.0	.0	.0	.0	.0	.0	2.0	.0	.0	4.9	.0	4.9	2.0		85.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.5	.0	9.6	.0		85.9
W	.1	.3	.2	.0	.0	.0	.0	.0	.1	.0	2.2	.2	4.8	.0		92.0
NW	.1	*	.1	.0	.0	.0	.0	.2	.1	.1	1.1	.1	4.5	.1		94.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	1.0	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	6.8	1.0	6.8	.0		84.5
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	1.4	.1	4.4	.1		93.6
TOT OBS:	7283															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00E03	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0	1.1	.0	6.1	.1		92.5
06E09	.1	.0	.1	.0	.0	.0	.0	.2	.3	.2	1.1	.0	3.6	.1		94.7
12E15	.1	.1	.2	.0	.0	.0	.0	.3	.0	.1	1.6	.3	3.4	.1		94.2
18E21	.1	.2	.0	.0	.0	.0	.0	.3	.1	.0	1.8	.2	4.9	.1		92.7
TOT PCT	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	1.4	.1	4.5	.1		93.5
TOT OBS:	7348															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	4.8	8.8	1.0	*	.0		14.9	13.5	10.3	8.3	14.2	18.0	16.0	19.6	18.8	16.1
NE	.1	.5	.2	*	.0	.0		.9	9.1	.5	.0	.4	.0	1.3	.1	1.4	.6
E	.3	.2	.1	.0	.0	.0		.6	6.3	.3	.8	.4	.0	.6	.8	1.1	.4
SE	.1	.2	*	.0	.0	.0		.4	6.3	.2	.0	.5	.0	.7	.0	.5	.0
S	.2	.5	*	.0	.0	.0		.7	6.0	.3	.8	.8	.0	.9	.7	.8	.5
SW	.2	1.0	.3	.0	.0	.0		1.5	8.1	1.6	1.7	1.0	1.3	1.7	1.6	1.4	1.7
W	.8	4.9	3.5	.3	.0	.0		9.5	10.4	12.6	8.5	8.8	10.2	9.4	10.8	7.3	8.0
NW	1.1	21.8	42.7	4.5	*	.0		70.2	13.6	73.6	78.2	73.1	77.2	67.1	65.5	66.4	72.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	.7	1.7	.9	1.2	2.1	.9	2.3	.5
TOT OBS	350	2629	4325	447	6	0	7757		12.9	1688	118	1764	167	1743	216	1852	209
TOT PCT	4.5	33.9	55.8	5.8	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.7	8.9	4.0	.2	.0		14.9	13.5	10.2	13.9	16.4	18.6
NE	.3	.5	.1	*	.0		.9	9.1	.5	.3	1.1	1.4
E	.4	.2	*	.0	.0		.6	6.3	.3	.3	.8	1.0
SE	.3	.1	.0	.0	.0		.4	6.3	.2	.4	.6	.4
S	.4	.2	.0	.0	.0		.7	6.0	.3	.7	.9	.7
SW	.6	.8	.1	.0	.0		1.5	8.1	1.6	1.1	1.7	1.4
W	2.4	5.9	1.1	.1	.0		9.5	10.4	12.3	8.9	9.6	7.4
NW	6.6	49.4	10.7	.5	.0		70.2	13.6	73.9	73.4	66.9	67.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	.7	.9	1.9	2.1
TOT OBS	1105	4731	1855	66	0	7757		12.9	1806	1931	1959	2061
TOT PCT	14.2	61.0	23.9	.9	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1870-1974

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0701-03	.7	2.3	27.2	61.9	7.7	.1	.0	13.8	100.0	1906
0801-09	.9	2.9	32.9	56.2	6.9	.1	.0	13.4	100.0	1931
1701-15	1.9	3.0	37.7	52.7	4.6	.1	.0	12.2	100.0	1959
1801-21	2.1	4.0	37.0	52.8	4.1	*	.0	12.1	100.0	2061
TOT	112	278	2629	4325	647	6	0	12.9		7757
PCT	1.4	3.1	37.9	55.8	5.8	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	7.7	2.7	7.4	2.2		3.4
NE	.7	.2	.2	.1		3.7
E	.7	.1	.1	.1		3.0
SE	.1	.1	.1	.1		3.9
S	.2	*	.2	.2		4.9
SW	.1	.2	.7	.4		4.2
W	4.1	1.7	3.1	1.4		3.7
NW	33.9	10.1	16.7	9.1		3.7
VAR	.0	.0	.0	.0		.0
CALM	.7	.2	.3	.3		2.7
TOT OBS	2762	846	1388	839	5835	3.4
TOT PCT	47.3	14.5	23.8	14.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >H/B) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 499	500 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	*	.2	.9	1.6	1.0	.4	.1	.1	.1	11.2	
NE	*	.0	.0	.1	.1	*	.0	*	*	*	.6	
E	*	.0	.0	*	*	*	.0	.0	.0	.0	.5	
SE	*	.0	*	*	*	*	.0	.0	*	.0	.2	
S	*	.0	.1	*	.1	*	*	.0	.0	.0	.3	
SW	*	.0	*	.1	.2	.1	*	*	.0	.0	.8	
W	.1	*	.3	.5	1.1	.6	.3	*	*	.1	6.9	
NW	.6	.2	.9	3.4	6.8	3.5	1.7	.6	.3	.3	51.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.0	.1	.2	*	*	*	*	.0	1.0	
TOT OBS	57	14	83	297	585	313	141	49	29	28	4265	5835
TOT PCT	1.0	.2	1.4	5.1	10.0	5.4	2.4	.7	.5	.5	72.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >H/B) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5/16	: OR >0
: OR >6500	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: OR >5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
: OR >3500	3.5	4.1	4.2	4.2	4.2	4.2	4.2	4.2
: OR >2000	7.7	9.4	9.5	9.5	9.5	9.5	9.5	9.5
: OR >1000	16.3	19.2	19.5	19.5	19.5	19.5	19.5	19.5
: OR >600	19.4	24.1	24.5	24.5	24.5	24.5	24.5	24.5
: OR >300	20.6	25.3	25.9	25.9	25.9	25.9	25.9	25.9
: OR >150	20.8	25.6	26.2	26.2	26.2	26.2	26.2	26.2
: OR > 0	21.1	26.0	26.6	26.7	26.8	26.9	27.1	27.1
TOTAL	1270	1529	1565	1569	1573	1579	1592	1596

TOTAL NUMBER OF OPS: 5875 PCT FREQ HH <5/8: 72.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
36.2	11.4	9.8	7.9	6.3	6.7	5.4	6.9	10.2	.6	6209

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1870-1979

AREA 001 CENTRAL BASE WEST
26.4N 114.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	NO PCP	*	.0	*	.0	*	*	*	.2	.0	.1	.3	
	TOT %	*	.0	*	.0	*	*	*	.2	.0	.1	.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	.0	*	*	*	*	.1	.0	.0	.1	
	TOT %	*	.0	.0	*	*	*	*	.1	.0	.0	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	*	*	.0	.0	*	.1	.0	.0	.1	
	TOT %	*	.0	*	*	.0	.0	*	.1	.0	.0	.1	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	*	*	*	*	.1	.6	.0	*	.9	
	TOT %	.1	.0	*	*	*	*	.1	.6	.0	*	.9	
5<10	PCP	*	*	.0	.0	.0	.0	*	*	.0	*	.1	
	NO PCP	1.6	.1	.1	.1	.1	.3	1.3	7.4	.0	.3	11.4	
	TOT %	1.6	.1	.1	.1	.1	.3	1.3	7.4	.0	.3	11.6	
10+	PCP	.0	.0	.0	.0	*	.0	*	.1	.0	.0	.1	
	NO PCP	13.3	.7	.5	.3	.5	1.0	7.9	61.2	.0	1.0	86.5	
	TOT %	13.3	.7	.5	.3	.6	1.0	7.9	61.3	.0	1.0	86.6	
	TOT OBS												7260
	TOT PCT	15.2	.8	.6	.4	.7	1.4	9.4	70.1	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	.0	*	.0	.0	.0	*	*	.0	.1	.1	
	4-10	*	.0	.0	.0	*	*	*	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	.0	*	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	*	.0	*	*	.1	.2	.0	.1	.4	
1/2<1	0-3	.0	.0	.0	.0	*	*	.0	.0	.0	*	*	
	4-10	*	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	11-21	*	.0	.0	*	.0	.0	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	*	*	*	.1	.0	*	.2	
1<2	0-3	.0	.0	*	*	.0	.0	.0	*	.0	.0	*	
	4-10	*	.0	.0	.0	.0	.0	*	.1	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	*	*	.0	.0	*	.1	.0	.0	.2	
2<5	0-3	.0	.0	.0	*	*	*	*	*	.0	*	.1	
	4-10	.1	.0	*	.0	.0	.0	.1	.4	.0		.6	
	11-21	.1	.0	.0	.0	.0	.0	*	.4	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.2	.0	*	*	*	*	.2	.9	.0	*	1.3	
5<10	0-3	.1	*	*	*	.0	.1	.1	.2	.0	.3	.8	
	4-10	.5	*	*	.1	.1	.2	.7	2.6	.0		4.3	
	11-21	.9	.1	*	*	*	.1	.5	4.3	.0		5.9	
	22+	.1	.0	.0	.0	.0	.0	*	.5	.0		.6	
	TOT %	1.6	.1	.1	.1	.1	.3	1.4	7.7	.0	.3	11.7	
10+	0-3	.3	.1	.2	.1	.1	.1	.7	.9	.0	1.0	3.4	
	4-10	4.1	.5	.2	.2	.4	.7	4.0	18.2	.0		28.0	
	11-21	7.9	.2	.1	*	*	.2	3.0	38.2	.0		49.7	
	22+	.9	*	.0	.0	.0	.0	.3	4.0	.0		5.1	
	TOT %	13.1	.8	.5	.3	.5	1.0	7.8	61.3	.0	1.0	86.2	
	TOT OBS												7555
	TOT PCT	14.9	.9	.6	.4	.7	1.4	9.5	70.2	.0	1.4	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1950-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >5/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	0FU 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.5	.2	1.0	3.5	6.6	4.4	2.2	.5	.5	.7	20.1	79.9	1464
06E09	.9	.2	.9	3.2	6.9	3.4	1.8	.5	.3	.3	18.5	81.5	1519
12E15	1.2	.3	2.3	7.1	13.0	6.5	2.7	.7	.4	.5	34.8	65.2	1469
18E21	1.1	.3	1.3	5.9	12.0	6.3	2.6	1.0	.7	.5	31.7	68.3	1633
TOT	57	15	84	300	589	314	142	44	29	30	1604	4481	6085
PCT	.9	.2	1.4	4.9	9.7	5.2	2.3	.7	.5	.5	26.4	73.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.2	.2	1.1	10.3	88.1	1764
06E09	.3	.1	.1	.9	11.7	86.9	1914
12E15	.8	.2	.2	1.6	13.4	83.7	1907
18E21	.6	.3	.2	1.6	11.3	85.9	2037
TOT	36	14	14	102	891	6565	7622
PCT	.5	.2	.2	1.3	11.7	86.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >5/8),BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.5	1.8	6.3	15.0	78.8	1423
06E09	.9	2.0	5.9	13.6	80.5	1467
12E15	1.2	4.0	12.6	24.4	63.0	1401
18E21	1.1	3.0	9.5	23.5	67.0	1584
TOT	55	158	502	1127	4246	5875
PCT	.9	2.7	8.5	19.2	72.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	*	*	.0	.0	.0	2	*
75/79	.0	.0	*	.1	.1	.1	*	.0	25	.4
70/74	.0	*	.1	.4	1.1	1.2	.4	.2	207	3.4
65/69	.0	*	.2	1.0	3.4	5.9	4.9	1.6	1054	17.2
60/64	.0	*	.1	.9	6.6	17.1	22.6	7.6	3360	54.8
55/59	.0	.0	.0	.7	1.5	6.0	10.7	5.6	1467	23.9
50/54	.0	.0	.0	.0	*	.1	.1	.1	18	.3
TOTAL	0	6	28	157	784	1859	2370	929	6133	100.0
PCT	.0	.1	.5	2.6	12.8	30.3	38.6	15.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	.0	.0	*	.0	.0
	.1	*	.0	.0	.0	.0	*	.3	.0	*
	.6	*	.1	*	.1	.1	.3	2.1	.0	.1
	2.3	.2	.2	*	.1	.4	2.1	11.5	.0	.3
	8.2	.4	.3	.3	.4	.8	5.2	38.4	.0	.9
	4.1	.2	.1	.1	.1	.1	1.5	17.5	.0	.2
	.1	.0	.0	.0	.0	.0	*	.2	.0	.0
	15.3	.9	.6	.4	.7	1.4	9.2	70.2	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	80	75	71	64	59	56	52	64.2	1799
06E09	79	67	65	61	57	55	50	60.7	1936
12E15	73	67	64	60	56	54	50	60.0	1971
18E21	79	74	70	63	58	56	50	63.7	2050
TOT	80	73	69	62	57	55	50	62.1	7756

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	4.3	18.5	35.0	32.1	10.0	77	1456
06E09	.0	1.2	7.0	23.3	47.9	20.7	83	1582
12E15	.0	1.5	6.2	26.7	44.7	20.9	83	1550
18E21	.0	5.4	19.6	36.4	29.7	8.9	76	1604
TOT	0	191	790	1877	2394	940	80	6192

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1870-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	77	TOT	%	NO
TMP DIF	52	56	60	64	68	72	76	80		FOG	FOG
17/19	.0	.0	.0	.0	.0	•	•	•	5	.0	.1
14/16	.0	.0	.0	.0	•	•	.1	.1	20	.0	.3
11/13	.0	.0	•	•	.1	.4	.4	•	71	•	1.0
9/10	.0	.0	•	.1	.6	.6	.3	.0	102	.0	1.5
7/8	.0	.0	•	.3	1.6	1.0	.1	.0	207	•	3.1
6	.0	.0	.1	.6	1.1	.5	.1	.0	159	.1	2.3
5	.0	•	.2	1.2	1.8	.4	.0	.0	245	•	3.6
4	.0	.0	.3	2.4	2.0	.3	•	.0	342	.0	5.1
3	.0	•	.4	2.4	2.0	.1	.0	.0	335	•	5.0
2	.0	•	1.4	4.4	1.8	.2	.0	.0	524	•	7.8
1	.0	.1	1.9	4.9	1.2	•	.0	.0	547	.1	8.1
0	.0	.1	4.4	8.2	1.4	•	•	.0	950	.2	14.0
-1	.0	.3	4.8	5.5	.8	•	.0	.0	764	.2	11.2
-2	.0	.4	5.6	5.7	.6	.0	.0	.0	819	.2	12.0
-3	.0	.3	4.2	3.0	.2	.0	•	.0	518	.2	7.6
-4	.0	.6	4.0	2.0	.1	•	.0	.0	451	.1	6.6
-5	•	.3	3.0	1.1	.1	.0	.0	.0	297	.1	4.3
-6	.0	.5	1.7	.4	•	.0	.0	.0	148	.1	2.1
-7/-8	•	.3	1.0	.3	•	•	.0	.0	117	•	1.7
-9/-10	•	.2	.7	.1	•	.0	.0	.0	37	•	.5
-11/-13	•	•	.1	.1	.0	.0	.0	.0	23	.0	.3
-14/-16	.0	.0	•	•	.0	.0	.0	.0	4	.0	.1
-17/-19	.0	•	•	•	.0	.0	.0	.0	4	.0	.1
TOTAL	8		221		1040		73			97	6592
		231		2869		263		10	6689		
PCT	.1	3.2	33.1	42.9	15.5	3.9	1.1	.1	100.0	1.4	98.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 16

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.1	2.4	2.2	.0	.0	.0	4.7
3-4	.0	2.0	3.7	.1	.0	.0	5.8
5-6	.0	.2	3.1	.4	.1	.0	3.7
7	.0	.1	1.6	.5	.0	.0	2.5
8-9	.0	.1	.4	.4	.0	.0	.8
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.1	11.3	1.6	.1	.0	18.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	.1	.2	.1	.0	.0	.3
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	•	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	.3	.1	.0	.0	.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.1	.0	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.0	.0	.0	.0	.0	.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	•	.0	.0	.0	.0	•
1-2	.0	•	.1	.0	.0	.0	.1
3-4	•	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.1	.0	.0	.0	.2

APRIL

PERIOD: (OVER-ALL) 1963-1979 AREA 001 CENTRAL BAJA WEST 26.0N 119.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.1	.2	.0	.0	.0	.0	.3
3-4	.0	.4	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.0	.0	.0	.0	.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.7	.1	.0	.0	.0	2.1
1-2	.4	7.6	7.1	.0	.0	.0	15.1
3-4	.3	7.1	16.5	.6	.0	.0	24.5
5-6	.0	1.4	12.7	1.4	*	.0	15.2
7	.0	.2	6.0	.9	.0	.0	7.0
8-9	.0	.1	1.2	.8	.0	.0	2.0
10-11	.0	.0	.4	1.1	.0	.0	1.4
12	.0	.0	.1	.3	.1	.0	.5
13-16	.0	.0	.1	*	.0	.0	.2
17-19	.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	18.1	43.8	5.1	.1	.0	68.1

TOTAL PCT: 97.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.6	3.6	.1	.0	.0	.0	7.2	
1-2	1.3	12.3	10.3	.0	.0	.0	23.9	
3-4	.5	10.8	21.3	.8	.0	.0	33.4	
5-6	.0	2.0	16.2	1.8	.1	.0	20.1	
7	.0	.3	8.0	1.5	.0	.0	9.8	
8-9	.0	.1	1.6	1.2	.6	.0	2.8	
10-11	.0	.0	.4	1.2	.0	.0	1.6	
12	.0	.0	.1	.3	.1	.0	.5	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1476
TOT PCT	5.4	29.3	58.3	6.8	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.[illegible]	10.6	18.1	10.7	9.[illegible]	1.7	.6	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2575	4
6-7	.1	1.6	7.7	9.1	9.8	2.7	1.2	.3	.3	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	1506	5
8-9	.0	.4	2.0	3.4	2.8	1.5	.8	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	624	6
10-11	.0	.6	.7	.6	.9	.5	.3	*	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	216	6
12-13	.0	.0	.4	.4	.3	.3	.2	*	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	93	7
>13	.0	.0	.0	.4	.3	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	7
INDET	1.0	1.0	1.3	.8	.4	.4	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	318	3
TOTAL	207	766	1621	1391	728	347	174	61	42	13	3	2	0	0	0	0	0	0	0	5385	5
PCT	3.8	14.2	30.1	25.8	13.5	6.4	3.2	1.1	.8	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1877-1979

AREA 001 CENTRAL BASE WEST
26.4N 110.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG RLWG	DUST SNOW	NO SIG WEA
N	.2	.1	.2	.0	.0	.0	.0	.5	.1	.4	1.2	.0	2.7	.3		95.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0		99.4
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	3.7	6.5	.0		83.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	.0	10.6	.0		78.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.7	1.7	4.6	.0		81.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	3.7	.0		93.4
W	.2	.0	.2	.0	.0	.0	.0	.4	.4	.0	3.6	.3	4.0	.0		90.9
NW	.1	*	.1	.0	.0	.0	.0	.2	.1	.2	1.6	*	4.6	*		93.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.8	.0	.8	.0	.0	.0	.0	1.7	.0	.0	13.2	.0	4.1	.0		81.0
TOT PCT	.1	*	.1	.0	.0	.0	.0	.2	.1	.2	2.0	.1	4.4	.1		93.0
TOT OBS:	7651															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG RLWG	DUST SNOW	NO SIG WEA
00&03	.2	.0	.1	.0	.0	.0	.0	.2	.1	.2	1.1	.1	6.5	.1		92.0
06&09	.1	.1	.2	.0	.0	.0	.0	.3	.1	.2	1.1	.0	4.8	.0		94.6
12&15	.1	.0	.1	.0	.0	.0	.0	.2	.2	.3	3.0	.1	3.1	.0		93.2
18&21	.1	*	.2	.0	.0	.0	.0	.4	.1	*	2.4	.2	4.2	.1		92.1
TOT PCT	.1	*	.1	.0	.0	.0	.0	.3	.1	.2	2.0	.1	4.4	.1		93.0
TOT OBS:	7711															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	4.2	7.2	.7	*	.0		12.3	13.2	9.0	10.7	11.3	7.0	15.0	15.9	14.4	12.1
NE	.1	.4	.1	*	.0	.0		.6	8.9	.2	.7	.4	.3	1.0	.3	.8	1.6
E	.1	.2	.1	.0	.0	.0		.4	7.8	.3	.0	.2	.0	.4	.0	.7	.7
SE	.1	.2	*	.0	.0	.0		.3	6.0	.3	.0	.1	.0	.4	.0	.7	.0
S	.2	.4	.2	.0	.0	.0		.8	7.8	.7	.0	.6	.2	.9	.7	1.1	.0
SW	.2	.6	.1	*	.0	.0		1.0	6.9	1.4	1.4	.8	.0	.8	.6	.9	.7
W	.6	5.2	4.0	.2	.0	.0		10.2	10.6	12.9	11.8	10.1	16.1	8.5	6.5	8.8	9.8
NW	1.3	22.2	45.0	4.3	*	.0		72.9	13.6	74.6	75.4	74.8	75.5	70.7	74.1	70.7	72.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.7	.0	1.7	.5	2.3	2.3	1.8	3.1
TOT OBS	376	2728	4639	434	4	0	8179		12.9	1904	138	1853	184	1751	216	1969	223
TOT PCT	4.6	33.4	56.7	5.3	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.4	8.0	2.8	.1	.0		12.3	13.2	9.1	10.9	15.1	14.1
NE	.3	.3	.1	.0	.0		.6	8.9	.2	.4	.9	.9
E	.2	.1	*	.0	.0		.4	7.8	.3	.2	.4	.7
SE	.2	.1	*	.0	.0		.3	6.0	.3	.1	.3	.6
S	.4	.3	.1	.0	.0		.8	7.8	.6	.6	.8	1.0
SW	.5	.4	*	.0	.0		1.0	6.9	1.4	.7	.8	.9
W	2.5	6.3	1.3	*	.0		10.2	10.6	12.8	10.6	8.3	8.9
NW	7.1	45.3	20.0	.5	.0		72.9	13.6	74.7	74.9	71.1	70.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.7	1.6	2.3	1.9
TOT OBS	1159	4972	1991	57	0	8179		12.9	2042	2038	1967	2132
TOT PCT	14.2	60.8	24.3	.7	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1957-1974
(OVER-ALL) 1977-1974

TABLE 4

AREA 001 CENTRAL BASE WEST
28.4N 114.4E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.7	2.5	27.2	62.2	7.7	.0	.0	13.9	100.0	2042
06&09	1.6	1.6	29.7	60.7	6.3	*	.0	13.6	100.0	2038
12&15	2.3	3.1	36.9	53.7	3.9	.1	.0	12.3	100.0	1967
18&21	1.9	4.6	39.4	50.4	3.6	*	.0	11.8	100.0	2132
TOT	133	243	2728	4639	432	4	0	12.9		8179
PCT	1.6	3.0	33.4	56.7	5.3	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.1	1.9	3.4	3.0		4.4
NE	.1	*	.1	.1		4.8
E	.1	*	.1	.1		5.2
SE	.1	*	.1	.1		4.9
S	.*	.1	.1	.*		4.2
SW	.*	.2	.*	.*		4.8
W	4.0	1.4	2.4	2.*		4.0
NW	30.4	10.2	17.1	14.7		3.8
VAR	.0	.0	.0	.0		.0
CALM	.4	.1	.4	.5		4.3
TOT OBS	2456	857	1485	1322	6120	3.9
TOT PCT	40.1	14.0	24.*	21.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.2	*	.2	1.1	2.5	1.1	.3	.1	.1	*	4.9	
NE	.0	.0	*	*	.1	*	*	.0	*	.0	.2	
E	.0	.0	.0	*	.1	*	*	.0	*	.0	.2	
SE	*	.0	*	*	*	*	*	*	.0	*	.2	
S	.1	*	*	.1	.1	.1	*	.0	*	.0	.5	
SW	*	*	*	.1	.2	*	*	.0	*	*	.6	
W	.3	.1	.2	.9	1.3	.6	.2	.1	*	.1	6.4	
NW	.6	.2	1.2	5.9	10.0	4.8	1.7	.6	.3	.2	46.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	*	.2	.3	.1	.1	.0	*	*	.8	
TOT OBS	67	21	107	510	896	409	144	49	38	33	3826	6120
TOT PCT	1.4	.3	1.7	8.3	14.6	6.7	2.4	.8	.6	.5	62.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
: OR >5000	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
: OR >3500	3.6	4.3	4.4	4.4	4.4	4.4	4.4	4.4
: OR >2000	9.3	10.9	11.0	11.0	11.0	11.0	11.0	11.0
: OR >1000	21.6	25.4	25.7	25.7	25.7	25.7	25.7	25.
: OR >600	28.0	33.6	34.1	34.1	34.1	34.1	34.1	34.1
: OR >300	29.1	35.3	35.8	35.8	35.8	35.8	35.8	35.8
: OR >150	29.3	35.6	36.1	36.2	36.2	36.2	36.2	36.2
: OR > 0	29.7	36.4	37.0	37.1	37.2	37.3	37.5	37.5
TOTAL	1812	2239	2279	2283	2288	2300	2304	2312

TOTAL NUMBER OF OBS: 6150 PCT FREQ NH <5/8: 62.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
49.4	10.5	9.7	7.1	5.0	4.3	3.0	8.6	17.7	.9	6532

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1877-1979

AREA C01 CENTRAL BALA WEST
26.4N 119.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
<1/2	NO PCP	*	.0	.0	*	.1	*	*	.1	.0	.1	.4	
	TOT %	*	.0	.0	*	.1	*	.1	.2	.0	.1	.5	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	*	.0	.0	.0	.0	.0	*	.1	.0	*	.1	
	TOT %	*	.0	.0	.0	.0	.0	*	.1	.0	*	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	*	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	
	TOT %	*	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
2<5	NO PCP	.1	*	.0	*	*	.0	.1	.8	.0	*	1.1	
	TOT %	.1	*	.0	*	*	.0	.1	.9	.0	*	1.2	
	PCP	*	.0	.0	.0	.0	.0	*	*	.0	*	.1	
5<10	NO PCP	1.4	.1	.1	.1	.1	.2	1.5	9.9	.0	.3	13.7	
	TOT %	1.5	.1	.1	.1	.1	.2	1.5	9.9	.0	.3	13.7	
	PCP	*	.0	.0	.0	.0	.0	*	*	.0	*	.1	
10+	NO PCP	10.6	.5	.3	.3	.5	.8	8.4	61.8	.0	1.1	84.7	
	TOT %	10.7	.5	.3	.3	.5	.8	8.4	61.8	.0	1.1	84.8	
	TOT OBS												7633
	TOT PCT	12.3	.6	.4	.4	.8	1.0	10.1	72.9	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	.1	.1	
<1/2	4-10	*	.0	.0	*	*	*	*	.2	.0		.3	
	11-21	*	.0	.0	.0	.1	.0	*	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	.1	*	.1	.2	.0	.1	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
1/2<1	4-10	*	.0	.0	.0	.0	*	*	.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	*	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	.0	.0	*	*	.1	.0	*	.1	
	0-3	.0	*	.0	.0	*	.0	.0	.0	.0	.0	*	
1<2	4-10	*	.0	.0	.0	.0	.0	*	.1	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	*	.0	.1	.1	.0	.0	.2	
	0-3	*	.0	.0	*	*	*	*	*	.0	.1	.2	
2<5	4-10	.1	*	.0	.1	*	*	.1	.5	.0		.8	
	11-21	.1	*	.0	*	*	.0	*	.6	.0		.7	
	22+	.0	.0	.0	.1	.0	.0	.0	.1	.0		.1	
	TOT %	.2	*	.0	*	*	*	.2	1.2	.0	.1	1.7	
	0-3	.1	*	*	*	*	*	.1	.2	.0	.3	.7	
5<10	4-10	.6	.1	.1	*	.1	.1	.8	3.1	.0		6.8	
	11-21	.8	*	*	*	.1	.1	.6	5.9	.0		7.4	
	22+	.1	.0	.0	.0	.0	*	.1	.6	.0		.8	
	TOT %	1.5	.1	.1	.1	.1	.2	1.5	9.8	.0	.3	13.6	
	0-3	.2	*	.1	.1	.2	.2	.6	1.0	.0	1.1	3.5	
10+	4-10	3.4	.3	.2	.1	.3	.5	4.2	18.0	.0		27.0	
	11-21	6.3	.1	.1	*	.1	.1	3.4	38.8	.0		48.8	
	22+	.6	*	.0	.0	.0	.0	.2	3.6	.0		4.5	
	TOT %	10.6	.5	.3	.3	.5	.8	8.3	61.5	.0	1.1	83.8	
	TOT OBS												7665
	TOT PCT	12.3	.6	.4	.4	.8	1.0	10.1	72.9	.0	1.6	100.0	

PERIOD: (PRIMARY) 1955-1976
(COMBINED-ALL) 1977-1976

AREA 001 CENTRAL BASE WEST
26.4N 110.4W

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.6	.4	1.0	5.4	10.3	4.4	1.5	.8	.7	.8	25.8	74.2	1667
06E09	1.6	.3	1.1	5.6	10.9	4.2	1.9	.6	.6	.7	26.6	73.4	1579
12E15	2.8	.5	3.1	12.4	19.5	8.6	2.8	.7	.4	.5	51.1	48.9	1491
18E21	1.3	.4	1.8	9.3	17.1	6.9	3.2	1.1	.7	.5	44.3	55.7	1657
TOT	86	21	107	514	907	412	148	50	39	34	2320	4024	6344
PCT	1.4	.3	1.7	8.1	14.3	6.5	2.3	.8	.6	.5	36.6	63.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.2	.1	1.1	17.7	65.6	1843
06E09	.4	.1	*	1.5	12.3	85.5	2013
12E15	1.0	.3	.3	2.1	14.6	81.7	1924
18E21	.6	.1	.4	2.1	14.0	82.9	2107
TOT	44	11	16	136	1094	6724	8027
PCT	.5	.1	.2	1.7	13.7	83.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00E03	.6	2.0	8.1	18.6	73.4	1625
06E09	1.1	2.6	9.3	18.9	71.8	1513
12E15	2.8	6.4	19.5	32.8	67.8	1413
18E21	1.2	3.4	13.8	31.9	54.3	1607
TOT	87	217	768	1564	3826	6158
PCT	1.4	3.5	12.5	25.4	62.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	*	*	*	.0	.0	3	*
75/79	.0	.0	*	.1	.1	.1	*	.0	28	.4
70/74	.0	*	*	.3	1.4	1.5	.4	.3	275	4.3
65/69	.0	.0	.0	.4	3.0	7.4	6.7	2.1	1244	19.7
60/64	.0	.0	*	.3	4.1	17.6	27.9	10.4	3819	60.4
55/59	.0	.0	.0	*	.3	2.4	8.1	4.2	967	15.0
50/54	.0	.0	.0	.0	.0	*	*	.1	8	.1
TOTAL	0	1	6	80	568	1838	2749	1082	6324	100.0
PCT	.0	*	.1	1.3	9.0	29.1	43.5	17.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	*	.0	*	.0	.0	.0	.0	*	.0	.0
	.1	.0	.0	*	.0	*	.1	.3	.0	.0
	.5	*	.1	*	.1	.1	.6	2.8	.0	.2
	2.3	.1	.1	.2	.2	.4	2.7	13.4	.0	.3
	7.4	.3	.2	.2	.3	.5	5.7	45.0	.0	.9
	2.3	.1	*	*	.1	.1	1.1	11.1	.0	.2
	*	.0	.0	.0	.0	.0	.0	.1	.0	.0
	12.5	.6	.4	.4	.6	1.0	10.1	72.7	.0	1.7

TABLE 15

PEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	50	10	MIN	MEAN	TOTAL OBS
00E03	82	75	72	69	59	57	50	64.7	2033
06E09	81	69	66	61	58	55	50	61.4	2039
12E15	82	68	65	61	57	55	50	60.7	1976
18E21	82	74	70	64	59	57	51	64.2	2137
TOT	82	73	70	62	58	56	50	62.4	8184

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.9	12.2	36.3	38.5	11.0	79	1602
06E09	.0	.4	4.2	19.3	50.6	25.4	85	1639
12E15	.0	.3	4.6	22.2	50.1	22.8	84	1524
18E21	.0	2.9	14.9	38.3	34.8	9.2	78	1614
TOT	0	98	575	1855	2771	1090	81	6379

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1877-1979

AREA 001 CENTRAL BAJA WEST
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	%	NO
TMP DIF	52	56	60	64	68	72	76	80	84		FOG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0	•	.0	1	.0	•
17/19	.0	.0	.0	.0	.0	.0	•	.1	•	8	•	.1
14/16	.0	.0	.0	•	•	.1	.2	•	•	27	•	.4
11/13	.0	.0	.0	.1	.2	.3	.4	.1	•	75	.0	1.1
9/10	.0	.0	•	.1	.4	.6	.2	•	.0	95	.0	1.4
7/8	.0	.0	•	.5	1.3	1.6	.2	.0	.0	256	.1	3.6
6	.0	.0	.1	.4	1.0	.7	.1	.0	.0	163	•	2.3
5	.0	•	.1	1.0	1.4	.7	.1	•	.0	273	•	3.9
4	.0	•	.3	2.1	2.2	.6	•	.0	.0	370	.2	5.1
3	.0	.0	.4	2.4	2.6	.3	.0	.0	.0	400	•	5.7
2	.0	•	1.1	5.1	2.3	.2	•	•	.0	618	.3	8.5
1	.0	.1	1.6	5.6	2.0	.1	.0	.0	.0	656	.1	9.2
0	.0	.1	3.6	9.6	1.8	.1	•	.0	.0	1071	.3	14.9
-1	.0	.1	5.0	6.7	.8	.1	•	.0	.0	748	.2	10.5
-2	•	.1	4.6	6.6	.4	•	•	•	.0	808	.2	11.3
-3	.0	.1	3.4	3.4	.4	•	.0	.0	.0	517	.2	7.2
-4	.0	.1	3.2	2.3	.2	.0	•	.0	.0	413	.1	5.8
-5	•	.1	1.7	1.3	.2	.0	.0	.0	.0	271	.1	3.2
-6	•	.1	1.1	.6	•	.0	.0	.0	.0	132	•	1.9
-7/-8	•	.2	.8	.4	•	.0	.0	.0	.0	100	•	1.4
-9/-10	.0	.1	.2	.2	•	.0	.0	.0	.0	34	•	.5
-11/-13	•	.0	.1	.1	.0	.0	.0	.0	.0	16	•	.2
-14/-16	•	.0	•	•	•	.0	.0	.0	.0	5	.0	.1
-17/-19	.0	.0	.0	•	.0	.0	.0	.0	.0	1	.0	•
-20/-22	.0	.0	.0	•	.0	.0	.0	.0	.0	2	.0	•
TOTAL	10	1770		1253		81		7		139	4883	
		1C7	3402		38C		1E			7022		
PCT	.1	1.5	25.2	48.4	17.8	5.4	1.2	.2	.1	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.1	2.1	1.6	.0	.0	.0	3.8
3-4	.0	1.8	3.4	.2	.0	.0	5.4
5-6	.0	.3	2.5	.2	.0	.0	3.0
7	.0	•	1.0	.2	.0	.0	1.2
8-9	.0	.0	.3	.1	.0	.0	.4
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	4.6	9.1	.7	.0	.0	14.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	•	.0	.0	.0	.0	.1
1-2	•	.1	.0	.0	.0	.0	.1
3-4	.0	•	•	.0	.0	.0	•
5-6	.0	•	.0	.0	.0	.0	•
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.2	•	.0	.0	.0	.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	•	.0	.0	.0	.0	•
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	.1	.0	.0	.0	.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	•	.0	.0	.0	.0	.1
1-2	.1	.1	.0	.0	.0	.0	.2
3-4	.0	•	.0	.0	.0	.0	•
5-6	.0	.0	•	.0	.0	.0	•
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.2	•	.0	.0	.0	.3

MAY

PERIOD: (OVER-ALL) 1963-1979 AREA 001 CENTRAL BAJA WEST 26.4N 114.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	N																			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT					
<1	.2	.2	.0	.0	.0	.0	.4		.2	.2	.0	.0	.0	.0	.3					
1-2	.0	.3	.1	.0	.0	.0	.4		.1	.3	.1	.0	.0	.0	.4					
3-4	.1	.1	.4	.0	.0	.0	.6		.0	.1	.0	.0	.0	.0	.1					
5-6	.0	.0	*	.0	.0	.0	*		.0	.0	.1	*	.0	.0	.1					
7	.0	.1	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
TOT PCT	.2	.6	.5	.0	.0	.0	1.4		.3	.5	.1	*	.0	.0	.9					
	W												NW						TOTAL	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT				PCT	
<1	*	.8	.1	.0	.0	.0	.9		.3	1.8	*	.0	.0	.0	2.1					
1-2	.2	2.1	1.0	.0	.0	.0	3.3		.5	8.7	6.2	.0	.0	.0	15.4					
3-4	*	1.3	1.4	.0	.0	.0	2.6		.3	6.3	18.7	.4	.0	.0	25.8					
5-6	.0	.1	1.2	*	.0	.0	1.3		.1	1.8	16.0	1.0	.0	.0	18.8					
7	.0	*	.6	.1	.0	.0	.8		.0	*	5.5	1.2	.0	.0	6.7					
8-9	.0	.0	.1	*	.0	.0	.2		.0	.1	1.5	.7	.0	.0	2.3					
10-11	.0	.0	*	.0	.0	.0	*		.0	.0	.2	.3	.0	.0	.4					
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	*	.0	.0	.0	*					
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.1	.0	.2					
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0					
TOT PCT	.3	4.3	4.3	.2	.0	.0	9.2		1.2	18.8	48.2	3.6	.1	.0	71.9	90.7				

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.3	3.5	.1	.0	.0	.0	5.9	
1-2	1.0	13.8	8.9	.0	.0	.0	23.7	
3-4	.4	9.5	24.0	.6	.0	.0	34.6	
5-6	.1	2.2	19.7	1.3	.0	.0	23.2	
7	.0	.1	7.1	1.4	.0	.0	8.6	
8-9	.0	.1	2.0	.8	.0	.0	2.9	
10-11	.0	.0	.3	.3	.0	.0	.6	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.1	.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.9	29.3	62.3	4.4	.1	.0	100.0	1818

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.6	12.0	16.7	11.4	3.6	1.5	.4	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2851	4
6-7	.1	1.5	6.6	9.5	5.0	2.4	.8	.2	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	1522	5
8-9	.0	.5	2.4	3.2	2.5	1.4	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	631	6
10-11	.0	.2	.8	1.0	.7	.6	.5	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	229	6
12-13	.0	.0	.6	.5	.5	.1	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	107	5
>13	.0	.0	.0	.3	.3	.1	.1	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	7
INDET	1.8	.9	1.7	1.0	.8	.4	.1	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	385	3
TOTAL	201	867	1778	1556	768	382	156	32	33	6	1	0	0	0	0	0	0	0	0	5780	4
PCT	3.5	15.0	30.8	26.9	13.3	6.6	2.7	.6	.6	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1957-1979 AREA 001 CENTRAL BAJA WEST
(OVER-ALL) 1892-1979 26.4N 114.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.1	.1	.2	.0	.0	.0	.0	.4	.1	.0	2.0	.0	4.4	.1	93.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	2.6	.0	95.7
E	.0	.0	.0	.0	.0	.0	.0	.0	9.4	.0	7.8	.0	9.4	.0	73.4
SE	3.0	.0	3.0	.0	.0	.0	.0	3.0	.0	.0	16.5	.0	17.0	.0	68.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.4	1.6	4.5	.0	73.2
SW	1.0	1.0	.0	.0	.0	.0	.0	2.0	1.0	.0	8.9	.5	7.4	1.0	79.2
W	.0	.0	.2	.0	.0	.0	.0	.2	.1	.0	7.2	.3	9.9	.0	82.3
NW	*	.0	.1	.0	.0	.0	.0	.1	.1	*	3.2	.1	6.0	.1	90.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	18.3	.6	9.8	.0	69.5
TOT PCT	.1	*	.1	.0	.0	.0	.0	.2	.2	*	4.1	.2	6.4	.1	88.9
TOT OBS:	7263														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00E03	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	2.8	.2	8.7	.1	88.1
06E09	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1	3.5	.1	5.6	.1	90.7
12E15	.1	.1	.4	.0	.0	.0	.0	.5	.6	.0	4.2	.2	4.7	.1	89.8
18E21	.2	.0	.1	.0	.0	.0	.0	.2	.2	.1	5.9	.2	6.3	.1	87.2
TOT PCT	.1	*	.1	.0	.0	.0	.0	.2	.2	*	4.1	.2	6.3	.1	88.9
TOT OBS:	7341														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)					
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	4.3	7.0	.7	.0	.0		12.4	12.8	9.6	13.0	10.9	7.7	17.0	16.4	15.0	10.1
NE	.1	.5	.2	*	.0	.0		.9	8.1	.4	.4	.5	.3	1.1	1.7	1.1	1.3
E	.1	.3	*	*	.0	.0		.4	6.6	.2	.2	.1	.0	.6	.4	.2	.5
SE	.2	.2	*	.0	.0	.0		.5	5.1	.1	.0	.2	.0	.6	.6	.2	1.4
S	.2	.4	*	.0	.0	.0		.6	5.2	.5	.2	.5	1.7	.6	.6	.7	.4
SW	.3	.9	.1	.0	.0	.0		1.4	6.6	1.7	.0	.2	1.1	1.3	2.7	1.7	.2
W	1.0	6.3	4.0	.1	.0	.0		11.4	9.2	16.0	15.6	11.5	10.5	9.3	8.5	9.0	9.3
NW	2.0	23.9	40.7	3.5	.1	.0		70.1	13.1	70.7	67.0	73.4	79.3	69.5	68.3	67.4	68.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.4							2.4	.0	.9	1.5	1.5	1.4	1.9	.8	1.5	2.0
TOT OBS	519	2887	4070	342	4	0	7822		12.1	1803	131	1723	176	1656	242	1846	245
TOT PCT	6.6	36.9	52.0	4.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	16 21
N	1.8	7.5	3.0	.1	.0		12.4	12.8	9.8	10.6	13.5	15.4
NE	.4	.5	*	.0	.0		.9	8.1	.4	.8	1.2	1.1
E	.3	.1	*	.0	.0		.4	6.6	.2	.1	.6	.7
SE	.3	.1	.0	.0	.0		.5	5.1	.1	.2	.6	.9
S	.5	.1	.0	.0	.0		.6	5.2	.5	.6	.6	.6
SW	.8	.5	*	.0	.0		1.4	6.6	1.6	.9	1.4	1.6
W	3.3	7.1	1.0	*	.0		11.4	9.8	15.9	11.4	9.2	9.0
NW	8.4	44.7	16.7	.3	*		70.1	13.1	70.5	73.7	69.3	67.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.4						2.4	.0	1.0	1.6	3.5	3.3
TOT OBS	1417	4748	1622	34	1	7822		12.1	1934	1899	1898	2091
TOT PCT	18.1	60.7	20.7	.4	*		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1890-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.0	2.5	33.1	57.4	5.9	.1	.0	13.1	100.0	1934
06&09	1.6	3.6	33.2	56.6	4.9	.1	.0	12.9	100.0	1899
12&15	3.5	5.4	40.1	47.2	3.7	.1	.0	11.4	100.0	1868
18&21	3.3	5.5	40.9	47.3	3.1	.0	.0	11.2	100.0	2091
TOT	185	334	2887	4070	342	4	0	12.1		7822
PCT	2.4	4.3	36.9	52.0	4.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.9	1.4	3.5	4.2		4.4
NE	.2	.2	.2	.7		5.3
E	.1	*	.1	.1		5.4
SE	.1	.1	.1	.2		5.1
S	.1	.1	.1	.2		4.9
SW	.3	.1	.3	.6		5.5
W	4.8	1.2	2.1	3.3		4.1
NW	31.1	6.5	13.1	19.1		3.9
VAR	.0	.0	.0	.0		.0
CALM	.7	.2	.3	1.1		5.2
TOT OBS	2392	570	1148	1690	5801	4.1
TOT PCT	41.3	9.8	19.8	29.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.2	.1	.3	1.8	2.8	1.1	.5	.1	*	*	6.0	
NE	.0	.0	*	.2	.2	.1	*	.0	*	*	.4	
E	*	.0	*	*	.1	.1	.0	.0	.0	.0	.2	
SE	*	*	*	*	*	*	.1	.0	.0	.0	.2	
S	*	.0	.1	*	*	*	*	.0	.0	.0	.2	
SW	.1	.0	.1	.2	.3	.1	*	*	.0	.0	.5	
W	.4	.1	.2	1.4	1.7	.6	.2	.1	.1	.0	6.7	
NW	1.2	.6	1.8	7.8	10.5	4.2	1.6	.5	.2	.2	43.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.1	.1	.3	.4	.1	.1	*	*	*	.9	
TOT OBS	128	52	154	684	923	367	145	44	21	17	3266	5801
TOT PCT	2.2	.9	2.7	11.8	15.9	6.3	2.5	.8	.4	.3	56.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	.4	.7	.7	.7	.7	.7	.7	.7
= OR >5000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	3.0	3.9	4.0	4.0	4.0	4.0	4.0	4.0
= OR >2000	8.1	10.1	10.3	10.3	10.3	10.3	10.3	10.3
= OR >1000	20.6	25.7	26.2	26.2	26.2	26.2	26.3	26.3
= OR >600	28.6	37.2	38.1	38.1	38.1	38.1	38.1	38.1
= OR >300	29.9	39.5	40.7	40.7	40.8	40.8	40.8	40.8
= OR >150	30.2	40.3	41.5	41.6	41.7	41.7	41.7	41.7
= OR > 0	30.6	41.2	42.7	43.0	43.2	43.4	43.7	43.8
TOTAL	1767	2407	2497	2513	2524	2537	2556	2562

TOTAL NUMBER OF OBS: 5849

PCT FREQ NM <5/8: 56.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
28.0	9.7	7.5	5.7	4.3	3.5	5.5	9.6	24.6	1.6	6220

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1890-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	*	*	*	.1	.2	.3	.0	.1	.8	
	TOT %	*	.0	*	*	*	.1	.2	.3	.0	.1	.8	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	*	*	.0	*	*	.?	.0	*	.4	
	TOT %	*	.0	*	*	.0	*	*	.?	.0	*	.4	
1<2	PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	*	*	*	.1	.?	.0	.1	.5	
	TOT %	*	.0	.0	*	*	*	.1	.?	.0	.1	.4	
2<5	PCP	*	.0	.0	.0	.0	*	.0	*	.0	.0	*	
	NO PCP	.2	.0	.0	*	*	.1	.3	1.1	.0	.2	1.9	
	TOT %	.2	.0	.0	*	*	.1	.3	1.1	.0	.2	7.0	
5<10	PCP	.0	.0	.0	.0	.0	*	.0	*	.0	.0	*	
	NO PCP	2.3	.2	.1	.2	.2	.5	2.7	13.3	.0	.7	20.2	
	TOT %	2.3	.2	.1	.2	.2	.5	2.7	13.3	.0	.7	20.7	
10+	PCP	*	.0	.0	.0	.0	.0	*	.1	.0	.0	.1	
	NO PCP	10.0	.6	.3	.2	.?	.7	7.8	55.0	.0	1.1	76.0	
	TOT %	10.1	.6	.3	.2	.?	.7	7.8	55.1	.0	1.1	76.1	
	TOT OBS												7238
	TOT PCT	12.7	.8	.4	.5	.5	1.4	11.2	70.3	.0	2.?	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	*	*	*	*	*	*	*	.0	.1	.3	
	4-10	*	.0	*	*	*	*	.1	.3	.0		.5	
	11-21	.0	.0	.0	.0	.0	*	.1	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	*	*	.2	.4	.0	.1	.9	
1/2<1	0-3	*	.0	*	*	.0	*	*	*	.0	*	.1	
	4-10	*	.0	.0	.0	*	.0	*	.2	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	*	*	*	*	*	.3	.0	*	.4	
1<2	0-3	*	.0	.0	*	.0	.0	*	*	.0	.1	.1	
	4-10	*	.0	.0	*	*	*	.1	.2	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	*	*	.2	.3	.0	.1	.6	
2<5	0-3	*	.0	*	*	*	*	.1	*	.0	.3	.4	
	4-10	.1	*	.0	.0	*	.1	.3	.9	.0		1.4	
	11-21	.1	.0	.0	.0	.0	.0	.1	.8	.0		1.0	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	.3	*	*	*	*	.1	.4	1.8	.0	.3	2.9	
5<10	0-3	.1	*	*	.1	.1	.1	.2	.4	.0	.7	1.7	
	4-10	.7	.1	.1	.1	.2	.4	1.5	4.9	.0		8.0	
	11-21	1.2	*	*	*	.0	*	.9	7.2	.0		9.3	
	22+	.2	.0	.0	.0	.0	.0	*	.7	.0		1.0	
	TOT %	2.2	.2	.1	.2	.2	.5	2.7	13.2	.0	.7	20.0	
10+	0-3	.3	.1	.1	.1	*	.2	.6	1.4	.0	1.1	3.9	
	4-10	3.3	.4	.2	.1	.2	.4	4.2	17.2	.0		26.0	
	11-21	5.7	.2	.0	*	*	.1	3.0	32.8	.0		41.8	
	22+	.4	*	*	.0	.0	.0	.1	2.9	.0		3.5	
	TOT %	9.8	.6	.3	.2	.3	.7	7.8	54.3	.0	1.1	75.1	
	TOT OBS												7620
	TOT PCT	12.4	.9	.4	.5	.6	1.4	11.3	70.2	.0	2.4	100.0	

PERIOD: (PRIMARY) 1953-1976
(OVER-ALL) 1890-1976

APEA 001 CENTRAL PAGE WEST
26.4N 110.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >0/01) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 PAY MGT	TOTAL OBS
0000	1.1	.6	1.5	8.1	11.2	9.2	3.5	.5	.1	.2	29.0	71.0	1576
0600	2.3	.1	1.8	7.9	13.2	9.7	1.2	.5	.3	.1	32.1	67.9	1459
1200	3.1	1.2	3.6	17.3	19.9	7.5	3.4	1.0	.4	.4	57.8	42.2	1370
1800	2.2	1.6	3.5	13.5	18.3	8.3	5.8	1.0	.7	.4	55.3	46.7	1602
TOT	179	53	155	698	935	371	169	45	22	17	2572	3435	6007
PCT	2.1	.9	2.6	11.6	15.6	6.2	2.5	.7	.4	.3	42.8	57.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	.4	.2	.2	2.2	19.6	77.5	1884
0600	1.1	.2	.3	2.3	18.4	77.8	1808
1215	1.0	.6	1.2	3.5	21.0	72.8	1854
1821	1.3	.5	.9	3.7	20.9	72.7	2074
TOT	73	29	50	225	1539	5784	7700
PCT	.9	.4	.6	2.9	20.0	75.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >0/01),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
0000	1.0	3.1	12.5	17.9	69.5	1530
0600	2.3	4.4	13.4	20.4	66.2	1417
1215	3.1	8.3	27.6	32.1	40.3	1340
1821	2.2	7.6	22.7	32.5	44.8	1562
TOT	124	341	1176	1501	3242	5849
PCT	2.1	5.8	18.9	25.7	55.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	*	.0	.0	.0	.0	.0	.0	.0	1	*
80/84	*	.0	*	*	.0	*	.0	.0	7	.1
75/79	.0	.0	*	.1	.3	.6	.2	*	76	1.2
70/74	.0	.0	*	.2	1.7	3.2	2.1	.8	496	8.1
65/69	.0	.0	.2	.7	3.9	9.0	13.4	4.2	1916	31.1
60/64	.0	.0	.0	*	1.2	4.5	28.1	15.4	3270	53.2
55/59	.0	.2	.2	.0	*	.6	3.1	2.5	380	6.2
50/54	.0	.0	.0	.0	.0	*	.0	.1	5	.1
TOTAL	2	8	5	34	317	1335	2918	1530	6145	100.0
PCT	*	.2	.1	.6	5.2	21.7	47.5	24.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	*	*	.0	.0
80/84	.0	.0	.0	*	.0	.0	*	.1	.0	.0
75/79	.2	*	*	*	.0	.0	.3	.7	.0	*
70/74	1.1	.1	.1	.1	.1	.2	1.3	4.7	.0	.3
65/69	4.1	.2	.1	.2	.2	.5	3.9	21.2	.0	.7
60/64	8.7	.4	.2	.1	.2	.5	5.4	38.5	.0	1.2
55/59	.8	*	*	*	*	*	.4	4.8	.0	*
50/54	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
PCT	12.9	.8	.4	.4	.5	1.3	11.2	70.0	.0	2.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	85	77	73	66	61	60	55	66.4	1927
0600	85	70	69	63	59	57	54	63.0	1906
1215	84	78	67	62	58	57	52	62.3	1909
1821	84	77	72	65	60	58	53	65.7	2096
TOT	85	75	71	64	59	57	52	64.4	7838

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.1	1.2	7.9	29.7	46.1	15.0	81	1550
0600	.1	.4	1.7	12.0	50.7	35.6	87	1551
1215	.0	.1	1.0	12.7	48.9	36.5	87	1479
1821	.0	1.0	9.7	31.7	44.3	13.6	80	1622
TOT	2	43	320	1351	2947	1547	84	6210

JUNE

PERIOD: (PRIMARY) 1953-1979 (OVER-ALL) 1950-1979

AREA 001 CENTRAL BAJA WEST 26.4N 114.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	WC FOG
20/22	.0	.0	.0	.0	.0	*	*	*	.0	*	4	.0	.1
17/19	.0	.0	.0	.0	*	*	*	*	*	.0	8	.0	.1
14/16	.0	.0	.0	*	*	.1	.2	.2	.1	.0	43	.0	.6
11/13	.0	.0	.0	.0	.1	.3	.6	.1	.0	.0	75	*	1.1
9/10	.0	.0	*	.1	.3	.7	.4	.1	.0	.0	113	*	1.6
7/8	.0	.0	.0	.3	1.1	1.5	.5	*	.0	.0	214	.1	3.1
6	.0	.0	*	.3	1.1	1.2	.1	.0	.0	.0	191	.1	2.8
5	.0	.0	.1	.6	1.9	1.2	.2	*	.0	.0	275	.1	3.9
4	.0	.0	.2	1.6	3.1	1.1	.1	*	.0	.0	409	.2	5.8
3	.0	*	.3	1.8	3.9	.8	*	.0	.0	.0	387	.2	5.5
2	.0	*	.6	4.2	3.7	.8	*	.0	.0	.0	631	.3	9.0
1	.0	*	.7	5.1	4.0	.6	*	.0	.0	.0	708	.3	10.2
0	.0	*	1.5	8.4	4.1	.5	*	.0	.0	.0	980	.6	14.0
-1	.0	*	1.7	7.3	3.5	.3	*	.0	.0	.0	797	.6	11.2
-2	.0	.1	2.2	7.3	1.7	.1	*	.0	.0	.0	765	.5	10.8
-3	.0	.0	1.7	4.1	1.0	.1	*	.0	.0	.0	468	.3	6.6
-4	.0	*	1.6	2.6	.3	.1	.0	.0	.0	.0	310	.2	4.4
-5	.0	.0	.8	1.3	.3	*	.0	.0	.0	.0	156	.1	2.2
-6	*	*	.5	.7	.1	*	.0	.0	.0	.0	95	.1	1.3
-7/-8	.0	.1	.4	.5	.1	.0	.0	.0	.0	.0	70	.1	1.0
-9/-10	.0	*	.1	.1	*	*	.0	.0	.0	.0	19	*	.3
-11/-13	.0	*	*	.1	*	.0	.0	.0	.0	.0	9	*	.1
-14/-16	.0	*	*	.1	*	.0	.0	.0	.0	.0	9	*	.1
-17/-19	.0	.0	*	*	*	.0	.0	.0	.0	.0	7	.0	.1
TOTAL	1	22	840	5138	1916	973	147	38	6	2	6743	271	6472
PCT	*	.3	12.5	76.5	28.4	9.4	2.2	.6	.1	*	100.0	4.0	96.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.7
1-2	*	1.3	1.5	.0	.0	.0	2.8
3-4	.1	1.6	3.2	.2	.0	.0	5.1
5-6	.0	.3	2.1	.2	.0	.0	2.6
7	.0	.1	1.1	.2	.0	.0	1.4
8-9	.0	*	.2	.0	.0	.0	.2
10-11	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	3.9	8.3	.7	.0	.0	13.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.1	.4	.0	.0	.0	.0	.4
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	*	*	.1	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.8	.2	.1	.0	.0	1.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.0	.0	.0	.0	.0	*
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.2	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.4	.1	.0	.0	.0	.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	.2	.1	.1	.0	.0	.0	.4
3-4	*	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.3	.1	.0	.0	.0	.7

PERIOD: (OVER-ALL) 1963-1976 JUNE AREA 001 CENTRAL BAJA WEST

TABLE 18 (CONT) 26.4N 119.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1
1-2	.0	*	.0	.0	.0	.0	*
3-4	*	.0	.0	.0	.0	.0	*
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	*	.0	.0	.0	.0	.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.1	.5	.0	.0	.0	3.2
1-2	.5	10.4	6.6	.0	.0	.0	17.5
3-4	.0	8.0	18.5	.4	.0	.0	26.9
5-6	.0	1.3	14.4	.9	.0	.0	16.6
7	.0	.2	4.8	.7	.0	.0	5.3
8-9	.0	*	.7	.1	.0	.0	.9
10-11	.0	.0	.4	.0	.0	.0	.4
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	22.0	44.9	2.2	.0	.0	70.4

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.2	4.1	.5	.0	.0	.0	8.8	
1-2	1.1	16.1	9.3	.0	.0	.0	26.4	
3-4	.2	11.6	23.3	.7	.0	.0	35.8	
5-6	.0	1.9	17.4	1.2	.0	.0	20.5	
7	.0	.2	5.7	.9	.0	.0	6.9	
8-9	.0	.1	.5	.1	.0	.0	.9	
10-11	.0	.0	.7	.0	.0	.0	.7	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1676
TOT PCT	5.6	34.0	57.4	3.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	2.6	12.1	19.0	10.7	3.8	1.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2784	4
6-7	.1	1.9	9.0	9.9	5.0	1.6	.6	.2	.2	.0	*	.0	*	.0	.0	.0	.0	.0	.0	1596	5
8-9	*	.7	1.9	3.1	2.3	.9	.4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	527	5
10-11	.0	.2	.7	.8	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	163	5
12-13	.0	.0	.5	.5	.4	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	6
>13	.0	.0	.0	.3	.2	.1	*	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	7
INDET	2.2	.9	1.6	1.2	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	363	3
TOTAL	271	878	1824	1472	707	250	109	26	21	3	1	0	1	0	0	0	0	0	0	5563	4
PCT	4.9	15.8	32.8	26.5	12.7	4.5	2.0	.5	.4	.1	*	.0	*	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1902-1979

AREA 001 CENTRAL BASE WEST
26.4N 114.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.3	.0	.4	.0	.0	.0	.0	.6	.1	.1	3.0	.4	3.9		.0	91.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.2	1.1	5.2		.0	87.7
E	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	9.8	.0	11.5		.0	77.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	13.0	1.0	6.1		1.0	77.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	.9	9.9		.0	79.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	1.0	10.7		.0	77.1
W	.1	.0	*	.0	.0	.0	.0	.1	.1	.3	6.7	.3	9.9		.0	82.5
NW	.1	*	*	.0	.0	.0	.0	.2	.2	.1	3.9	.2	8.4		.1	86.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.3	.0	.0	.0	.0	.3	.9	.0	14.9	.0	17.7		.0	70.7
TOT PCT	.1	*	.1	.0	.0	.0	.0	.2	.2	.1	5.1	.3	8.3		.1	85.7
TOT OBS:	7352															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.2	.0	.1	.0	.0	.0	.0	.3	.1	.1	2.9	.3	11.6		.0	84.9
06E09	.1	.0	.1	.0	.0	.0	.0	.2	.0	.4	5.0	.1	6.1		.1	88.2
12E15	.2	.1	.1	.0	.0	.0	.0	.3	.5	.2	5.7	.4	6.1		.0	86.9
18E21	*	.0	.2	.0	.0	.0	.0	.2	.2	.0	6.9	.3	9.8		.1	83.4
TOT PCT	.1	*	.1	.0	.0	.0	.0	.2	.2	.1	5.1	.3	8.3		.1	85.7
TOT OBS:	7491															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	6.0	5.1	.2	.0	.0		12.0	10.8	9.7	9.0	11.1	14.7	12.9	11.9	14.9	13.4
NE	.2	.9	.3	*	.0	.0		1.5	8.3	1.1	.0	2.1	.3	1.3	1.1	1.8	1.6
E	.2	.5	.2	*	.0	.0		1.0	7.0	.4	1.3	.4	1.5	1.3	.0	1.4	.2
SE	.4	.4	.2	.0	.0	.0		1.4	6.0	1.0	.9	1.0	.6	1.6	1.4	2.0	1.1
S	.4	1.0	.1	.0	.0	.0		1.4	5.7	1.5	1.7	1.5	1.0	1.3	1.2	1.5	.9
SW	.4	1.3	.2	.0	.0	.0		1.9	6.5	2.4	2.8	1.1	1.0	1.8	3.6	1.9	2.9
W	1.7	8.2	4.0	.1	.0	.0		13.9	8.9	18.3	17.5	14.6	19.1	12.5	11.4	10.1	11.6
NW	2.6	28.0	30.1	1.4	*	.0		62.1	11.4	63.5	64.5	64.3	65.1	60.5	63.2	59.5	63.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8							4.8	.0	2.0	2.1	3.6	4.7	7.0	6.2	6.5	5.0
TOT OBS	901	3704	3179	141	1	0	7928		10.1	1916	133	1621	169	1709	210	1949	222
TOT PCT	11.4	46.7	40.1	1.8	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	7.7	1.6	*	.0		12.0	10.8	9.7	10.7	12.8	14.7
NE	.6	.9	.1	.0	.0		1.5	8.3	1.1	1.9	1.3	1.8
E	.6	.4	*	*	.0		1.0	7.0	.4	.9	1.1	1.4
SE	.9	.5	*	.0	.0		1.4	6.0	1.0	.9	1.5	1.9
S	1.0	.5	.0	.0	.0		1.4	5.7	1.5	1.5	1.3	1.5
SW	1.0	.6	*	.0	.0		1.9	6.5	2.5	1.1	2.0	2.0
W	5.0	8.0	.9	*	.0		13.9	8.9	18.2	15.0	12.2	10.4
NW	10.9	42.2	8.8	.2	.0		62.1	11.4	63.6	64.4	60.8	59.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.8						4.8	.0	2.0	3.7	6.9	6.4
TOT OBS	2175	4832	903	18	0	7928		10.1	2049	1790	1919	2170
TOT PCT	27.4	60.9	11.4	.2	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PP|PAPY) 1954-1979
(OVER-ALL) 1902-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.0	4.7	42.4	47.9	3.1	.0	.0	11.3	100.0	2049
06&09	3.7	5.3	45.1	43.9	2.0	.1	.0	10.8	100.0	1790
12&15	6.9	7.6	51.5	33.3	.7	.0	.0	9.1	100.0	1919
18&21	6.4	8.7	47.9	35.6	1.4	.0	.0	9.3	100.0	2170
TOT	378	525	3704	3179	141	1	0	10.1		7928
PCT	4.8	6.6	46.7	40.1	1.8	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.1	1.8	3.6	3.1		4.6
NE	.4	.4	.5	.5		4.7
E	.3	.2	.3	.2		4.7
SE	.3	.3	.4	.4		4.9
S	.5	.3	.3	.3		4.1
SW	.5	.4	.4	.3		4.1
W	6.8	2.0	2.8	2.3		3.4
NW	28.3	9.5	13.5	10.5		3.5
VAR	.0	.0	.0	.0		.0
CALM	2.0	.6	.8	1.2		3.9
TOT OBS	2562	917	1337	1123	5939	3.7
TOT PCT	43.2	15.4	22.5	18.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >0/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.2	*	.2	1.5	2.8	.8	.4	.1	*	.1	6.6	
NE	.1	*	*	.1	.3	.2	*	.0	*	.0	.9	
E	.1	*	*	*	.1	*	.1	.0	*	*	.6	
SE	.1	.0	*	.2	.2	.1	.1	*	.0	*	.7	
S	*	.0	.0	.1	.2	.1	*	.0	.0	.0	.9	
SW	*	.0	*	.1	.1	.1	*	.0	.0	.0	1.2	
W	.4	*	.2	.9	1.5	.4	.2	.1	*	*	10.1	
NW	.8	.4	1.1	4.8	7.3	7.8	1.2	.5	.3	.2	42.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4	.1	.2	.4	.4	.7	.1	*	.1	*	2.8	
TOT OBS	123	34	105	480	761	785	128	42	24	20	3932	5939
TOT PCT	3.1	.6	1.8	8.1	12.8	9.8	2.2	.7	.4	.3	66.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >0/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >0YC	: OR >0
: OR >6500	.6	.8	.8	.8	.8	.8	.8	.8
: OR >5000	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >3500	2.7	3.5	3.6	3.6	3.6	3.6	3.6	3.6
: OR >2000	8.2	8.2	8.4	8.5	8.5	8.5	8.5	8.5
: OR >1000	15.3	20.4	21.2	21.2	21.3	21.3	21.3	21.3
: OR >600	20.4	28.2	29.2	29.3	29.3	29.3	29.3	29.3
: OR >300	21.2	29.8	30.9	31.0	31.1	31.1	31.1	31.1
: OR >150	21.5	30.3	31.4	31.6	31.6	31.6	31.7	31.7
: OR > 0	21.6	30.9	32.4	32.8	33.1	33.2	33.6	33.7
TOTAL	1358	1856	1986	1988	1988	1988	2016	2029

TOTAL NUMBER OF OBS. 5999

PCT FREQ HH <5/8: 66.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
27.6	14.1	11.5	7.1	5.5	4.1	6.6	7.0	14.4	3.1	6339

JULY

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1902-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	*	*	.1	*	*	.2	.4	.0	.2	1.1	
	TOT %	.1	*	*	.1	*	*	.2	.4	.0	.2	1.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	*	*	*	*	.1	.1	.0	.1	.4	
	TOT %	*	.0	*	*	*	*	.1	.1	.0	.1	.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	*	.0	*	*	.1	.1	.4	.0	.1	.7	
	TOT %	*	*	.0	*	*	.1	.1	.4	.0	.1	.7	
2<5	PCP	.0	.0	*	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.2	*	.1	.1	.1	.1	.4	1.2	.0	.7	2.1	
	TOT %	.2	*	.1	.1	.1	.1	.4	1.2	.0	.7	2.2*	
5<10	PCP	.1	.0	.0	.0	.0	.0	*	.1	.0	*	.1	
	NO PCP	2.3	.2	.2	.4	.4	.5	3.1	13.0	.0	1.4	22.2	
	TOT %	2.4	.2	.2	.4	.4	.5	3.1	13.1	.0	1.4	22.3	
10+	PCP	*	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	9.4	1.1	.7	.8	.9	1.1	10.0	66.7	.0	2.7	93.0	
	TOT %	9.4	1.1	.7	.8	.9	1.1	10.0	66.8	.0	2.7	93.1	
TOT OBS													7300
TOT PCT		12.2	1.5	1.0	1.4	1.4	1.6	13.8	87.4	.0	4.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	*	*	*	*	*	*	*	.0	.2	.4	
	4-10	.1	*	*	*	*	*	.2	.2	.0		.6	
	11-21	*	.0	*	*	.0	.0	*	.1	.0		.2	
	22+	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	*	.1	.1	*	*	.2	.3	.0	.2	1.2	
1/2<1	0-3	.0	.0	.0	*	*	.0	*	*	.0	.1	.1	
	4-10	*	.0	*	*	.0	.0	.1	.1	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	*	.1	.0		.1	
	22+	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	*	*	*	*	.1	.2	.0	.1	.4	
1<2	0-3	.0	.0	.0	*	*	*	*	.0	.0	.1	.1	
	4-10	.1	*	.0	.0	*	*	.1	.2	.0		.4	
	11-21	*	*	.0	.0	*	.0	*	.3	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	.0	*	*	*	.1	.5	.0	.1	.8	
2<5	0-3	*	*	*	*	*	*	.1	.1	.0	.4	.7	
	4-10	.1	*	*	*	*	.1	.1	.9	.0		1.5	
	11-21	.1	*	*	*	*	.0	*	.1	.8	.0		1.1
	22+	.0	.0	.0	.0	.0	.0	*	*	.0		.1	
	TOT %	.3	.1	.1	.1	.1	.1	.5	1.8	.0	.4	3.4	
5<10	0-3	.1	*	*	.2	.1	.1	.4	.9	.0	1.4	3.4	
	4-10	1.1	.2	.1	.2	.3	.3	1.9	5.9	.0		10.1	
	11-21	1.1	.1	.0	*	.0	*	.8	6.3	.0		8.3	
	22+	*	.0	.0	.0	.0	.0	*	.3	.0		.4	
	TOT %	2.4	.3	.2	.4	.4	.5	3.1	13.4	.0	1.4	22.2	
10+	0-3	.6	.1	.1	.2	.2	.2	1.0	1.5	.0	2.3	6.3	
	4-10	4.6	.6	.4	.5	.6	.8	5.8	20.6	.0		43.4	
	11-21	3.9	.3	.2	.1	.1	.2	3.0	22.8	.0		30.5	
	22+	.2	*	.0	.0	.0	.0	.1	1.1	.0		1.3	
	TOT %	9.2	1.1	.6	.8	.9	1.2	9.8	46.0	.0	2.3	71.9	
TOT OBS													7717*
TOT PCT		12.1	1.4	1.0	1.4	1.5	1.8	13.9	62.2	.0	4.7	100.0	

JULY

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1967-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.5W

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	0-99	100-199	200-499	500-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	1.0	.3	.0	5.7	9.8	7.9	1.6	.8	.5	.5	23.8	76.2	1676
06E09	2.4	.8	1.6	5.5	9.5	3.6	1.3	.6	.1	.2	25.6	74.4	1400
12E15	2.9	.8	1.7	12.1	15.7	6.0	2.3	.4	.4	.5	43.8	56.2	1423
18E21	2.1	.4	1.9	8.6	14.7	6.2	2.8	.9	.6	.2	38.4	61.6	1697
TOT	126	36	106	694	770	291	129	42	25	21	2030	4166	6196
PCT	2.0	.6	1.7	7.8	12.4	4.7	2.1	.7	.4	.4	32.8	67.2	100.0

TABLE 1I

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.7	.2	.4	2.4	27.7	72.7	2004
06E09	1.1	.5	.6	2.5	19.1	76.2	1760
12E15	1.8	.5	1.0	3.8	22.7	70.2	1882
18E21	1.4	.5	1.2	4.6	23.4	68.8	2157
TOT	91	33	86	273	1739	5611	7813
PCT	1.2	.4	.8	3.5	22.7	71.8	100.0

TABLE 1J

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <4000	<600 <1	<1000 <3	1000+ AND<5+	NM <5/8 AND 5+	TOTAL OBS
00E03	1.1	2.3	9.3	16.5	70.2	1621
06E09	2.4	4.6	12.5	19.9	72.7	1357
12E15	3.0	7.0	21.2	25.1	53.7	1376
18E21	2.1	4.8	16.0	25.0	59.0	1665
TOT	126	280	874	1226	3809	5999
PCT	2.1	4.7	14.6	27.9	63.5	100.0

TABLE 1K

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	*	*	.1	*	.0	.0	9	.1
80/84	.0	*	.0	.1	.4	.4	.2	.1	78	1.3
75/79	.0	.0	*	.2	.8	2.9	1.0	4.6	498	8.1
70/74	.0	.0	*	.1	1.2	6.9	12.9	8.4	1827	29.7
65/69	.0	.0	.0	*	.4	4.3	11.1	10.8	2743	44.7
60/64	.0	.0	.0	.0	*	.6	4.7	8.6	978	15.9
55/59	.0	.0	.0	.0	.0	*	.2	.2	11	.2
TOTAL	0	2	4	11	105	581	2669	2285	6140	100.0
PCT	.0	*	.1	.4	1.0	10.0	45.1	37.2		

TABLE 1M

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

%	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	.0	.0	*	.0	*	.1	.0	.0
.1	*	.1	.1	.1	*	.2	.6	.0	.1
.8	.2	.2	.3	.2	.3	1.3	4.3	.0	.4
1.2	.6	.4	.4	.5	.6	4.7	17.7	.0	1.6
5.9	.7	.4	.4	.4	.6	5.7	29.1	.0	1.7
2.7	.2	.1	.1	.1	.1	1.4	10.8	.0	.5
*	.0	.0	.0	.0	*	*	.1	.0	.0
12.7	1.6	1.0	1.4	1.3	1.6	13.3	62.7	.0	4.3

TABLE 1O

PEAKS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	50%	10%	MIN	MEAN	TOTAL OBS
00E03	91	82	78	75	66	62	60	70.8	7051
06E09	81	76	73	67	62	60	58	67.2	1799
12E15	83	78	77	69	61	60	57	66.5	1967
18E21	90	81	77	72	66	61	59	69.9	7186
TOT	91	87	76	68	62	60	57	68.7	7983

TABLE 1P

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.2	5.0	24.7	46.8	21.5	82	1605
06E09	.0	.9	.9	6.0	41.1	52.2	89	1453
12E15	.0	.1	.0	4.8	38.7	55.5	89	1482
18E21	.0	.4	4.5	26.0	45.1	2 .5	83	1677
TOT	0	40	189	990	2679	7320	86	6217

JULY

PERIOD: (PRIMARY) 1954-1979 AREA 061 CENTRAL BAJA WEST
(OVER-ALL) 1902-1979 TABLE 17 26.4N 114.5W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	# FOG	%O FOG
20/22	.0	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
17/19	.0	.0	.0	.0	*	*	.1	.1	*	16	.0	.2
14/16	.0	.0	.0	*	.1	.2	.1	*	.0	33	*	.5
11/13	.0	.0	.1	.2	.4	.4	.2	.0	.0	87	*	1.2
9/10	.0	*	*	.4	.9	.5	.2	.0	.0	136	.1	1.9
7/8	.0	.1	.4	1.2	1.6	.7	.1	.0	*	279	.1	3.6
6	.0	.1	.4	.9	1.2	.7	.0	.0	.0	195	.1	2.6
5	.0	.1	.7	1.7	1.5	.4	.1	.0	.0	310	.2	4.3
4	*	.3	1.6	2.4	1.6	.4	.1	.0	.0	455	.4	6.2
3	*	.4	2.0	2.2	1.0	.2	*	.0	.0	396	.2	5.5
2	*	1.2	3.4	3.1	1.5	.3	*	.0	.0	719	.6	9.8
1	.1	.9	4.1	3.1	1.1	.1	.0	.0	.0	644	.5	8.9
0	.1	2.3	6.2	4.1	1.0	.1	.0	.0	.0	946	.9	12.9
-1	.1	2.0	4.5	2.8	.8	.1	.0	.0	.0	707	.4	9.9
-2	.2	2.7	4.7	2.1	.4	*	.0	.0	.0	693	.4	9.8
-3	.1	1.9	3.0	1.4	.3	*	.0	.0	.0	458	.3	6.4
-4	.2	1.5	2.0	.9	.1	*	.0	.0	.0	322	.2	4.5
-5	.1	1.0	1.3	.6	.1	*	.0	.0	.0	211	.1	2.9
-6	.1	.6	.5	.3	.1	.0	.0	.0	.0	96	*	1.4
-7/-8	.1	.5	.5	.3	*	.0	.0	.0	.0	98	.1	1.3
-9/-10	.0	.1	.2	.2	*	.0	.0	.0	.0	35	.0	.5
-11/-13	.0	*	.1	*	*	.0	.0	.0	.0	14	.0	.2
-14/-16	.0	*	*	*	.0	.0	.0	.0	.0	5	*	.1
TOTAL	74	1066	2508	1936	925	269	60	7	3	6884	TOT	6504
PCT	1.1	15.5	36.6	28.3	13.5	3.9	.9	.1	*	100.0	%O	95.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SFA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	.4	3.8	1.4	.0	.0	.0	5.6
3-4	.1	2.1	2.6	.1	.0	.0	4.8
5-6	.0	.5	1.7	.2	.0	.0	2.3
7	.0	.2	.6	.2	.0	.0	.9
8-9	.0	.1	.2	*	.0	.0	.3
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	6.9	6.6	.5	.0	.0	14.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.2
1-2	*	.4	*	.0	.0	.0	.5
3-4	.1	.1	.1	*	.0	.0	.3
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.3	*	.0	.0	1.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.1	.2	.2	.0	.0	.0	.4
3-4	*	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.2	.0	.0	.0	.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.3
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	*	.1	.0	.0	.0	.0	.1
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.5	.1	.0	.0	.0	1.0

PERIOD: JULY-DEC 1973-1978 AREA 001 CENTRAL BAJA WEST
TABLE 18 (CONT) 28.0N 114.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	.0	.4	*	.0	.0	.0	.5
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.1	.0	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	*	.0	.0	.0	.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.4	1.0	.0	.0	.0	.0	1.4	
1-2	.2	3.2	.0	.0	.0	.0	5.1	
3-4	.2	1.9	1.0	.0	.0	.0	3.2	
5-6	.0	.4	1.1	.0	.0	.0	1.5	
7	.0	.1	.1	*	.0	.0	.3	
8-9	.0	.0	.1	.0	*	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	6.8	2.3	*	.0	.0	11.4	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	2.0	.1	.0	.0	.0	3.1	
1-2	.8	11.8	6.3	.0	.0	.0	18.9	
3-4	.1	9.8	14.8	.3	.0	.0	25.1	
5-6	.0	2.2	5.8	.4	.0	.0	12.1	
7	.0	.3	1.1	.6	.0	.0	4.2	
8-9	.0	.2	.4	.1	.0	.0	.8	
10-11	.0	.0	.1	.4	.0	.0	.8	
12	.0	.0	.2	.0	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	*	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.1	26.3	30.7	2.0	.0	.0	65.1	98.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	PCT OBS
<1	6.2	4.0	.1	.0	.0	.0	10.2	
1-2	1.7	23.4	6.3	.0	.0	.0	31.1	
3-4	.4	14.7	14.4	.4	.0	.0	34.3	
5-6	.1	1.2	12.3	.7	.0	.0	16.3	
7	.0	.8	4.0	.8	.0	.0	5.7	
8-9	.0	.3	.4	.1	.0	.0	1.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.2	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1749
TOT PCT	8.6	47.9	45.4	2.0	.0	.0	100.0	

PERIOD: JULY-DEC 1964-1972 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	1.2	15.2	14.4	9.9	2.8	.6	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2822	3
6-7	.1	1.4	8.7	8.5	3.7	1.5	.5	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1303	5
8-9	*	.3	2.7	3.0	1.2	1.1	.4	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	528	5
10-11	.0	.1	.4	.4	.5	.6	.4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	231	8
12-13	.0	.0	.0	.1	.1	*	.1	.1	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	84	8
>13	.0	.0	.0	.0	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
INDET	1.3	1.0	1.1	.4	.3	.1	.2	*	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	302	2
TOTAL	360	1CPC	1624	1375	535	214	111	29	17	5	4	0	1	0	0	0	0	0	0	5871	4
PCT	6.1	19.7	33.4	23.4	9.1	3.6	2.0	.5	.3	.1	.1	.0	*	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979

AREA DOI (CENTRAL BASIN WEST 26.4N 114.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.1	.3	.0	.0	.0	.0	.4	.3	.1	1.0	.1	4.7	.1		93.7
NE	.0	.0	1.3	.0	.0	.0	.0	1.3	.2	.7	2.1	.0	4.2	.0		91.5
E	2.9	.0	.0	.0	.0	.0	.0	2.9	.0	2.1	2.5	.0	4.8	.0		87.3
SE	.4	.4	.0	.0	.0	.0	.0	.8	1.6	.0	5.0	.0	7.0	.0		84.4
S	.7	.4	1.5	.0	.0	.0	.0	2.6	.9	1.6	4.3	.0	9.7	.0		86.8
SW	.0	.6	.4	.0	.0	.6	.0	.4	.9	.9	5.3	.0	1.9	.0		90.6
W	.2	.0	.2	.0	.0	.0	.0	.4	.1	.7	2.6	.2	7.7	.0		89.3
NW	.1	*	.2	.0	.0	.0	.0	.2	.1	.3	1.7	*	4.1	*		91.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.4	.0	1.2	.0	.0	.0	.0	1.6	.0	.0	9.4	.0	10.7	.0		76.3
TOT PCT	.1	*	.3	.0	.0	.0	.0	.4	.2	.3	2.2	.1	6.0	*		90.8
TOT OBS:	7421															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
0001-03	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0	1.1	.1	5.4	.1		90.2
0604-09	.1	.1	.3	.0	.0	.0	.0	.4	.2	.7	1.5	.0	3.4	.0		93.9
1210-15	.2	.0	.4	.0	.0	.0	.0	.6	.2	.8	2.0	.1	5.1	.1		91.1
1816-21	.2	.1	.3	.0	.0	.0	.0	.6	.3	.0	4.0	.1	6.9	.0		88.1
TOT PCT	.1	*	.3	.0	.0	.0	.0	.4	.2	.4	2.2	.1	6.0	*		90.7
TOT OBS:	7514															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	7.3	6.2	.4	.0	.0		14.7	10.7	12.0	12.4	13.8	9.5	15.1	16.9	17.5	16.2
NE	.3	1.3	.4	*	.0	.0		2.0	8.3	.8	1.8	1.5	2.5	2.1	3.6	3.0	1.4
E	.2	.7	.2	*	*	.0		1.2	8.2	.7	.0	1.1	1.5	1.7	.6	1.6	1.2
SE	.4	.9	.2	.1	*	.0		1.7	8.5	1.2	1.1	1.2	.9	1.7	2.3	2.5	2.1
S	.4	.9	.2	.1	.0	.0		1.5	7.1	1.5	.7	1.1	2.3	1.9	1.2	1.4	.7
SW	.4	1.0	.2	*	.0	.0		1.6	6.9	2.1	1.4	1.9	2.5	1.4	1.3	1.2	1.3
W	1.2	7.3	3.5	.1	.0	.0		12.2	9.1	15.6	16.4	12.4	17.5	10.6	11.7	9.6	10.7
NW	7.4	26.3	31.2	1.6	*	.0		61.5	11.7	63.8	63.8	63.7	60.4	60.1	60.0	58.5	61.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.6							3.6	.0	2.2	4.3	3.0	2.4	5.0	2.4	4.7	5.2
TOT OBS	776	3634	3380	191	4	0	7985		10.5	1855	139	1766	171	1705	206	1911	212
TOT PCT	9.4	45.7	42.0	2.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.3	9.8	1.7	.1	.0		14.7	10.7	12.0	13.4	15.7	17.7
NE	.8	1.1	.1	.0	.0		2.0	8.3	.9	1.9	2.3	2.0
E	.7	.4	.1	*	.0		1.2	8.2	.6	1.1	1.6	1.6
SE	.9	.5	.1	.1	.0		1.7	8.5	1.2	1.2	1.7	2.5
S	.9	.5	.1	*	.0		1.5	7.1	1.5	1.2	1.8	1.4
SW	.9	.6	.1	*	.0		1.6	6.9	2.0	1.9	1.4	1.2
W	4.2	7.3	.7	*	.0		12.2	9.1	15.5	12.9	10.7	9.7
NW	10.3	41.6	9.4	.2	.0		61.5	11.7	63.8	63.4	60.1	58.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.6						3.6	.0	2.4	3.0	4.8	4.4
TOT OBS	2034	4905	969	32	0	7985		10.5	1994	1917	1911	2123
TOT PCT	25.7	61.7	12.2	.4	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1954-1976
(SEVEN-ALL) 1900-1976

AREA 001 CENTRAL BAJA WEST
26.4N 114.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00-03	2.4	4.8	39.3	49.5	4.0	.1	.0	11.7	100.0	1994
04-07	3.0	5.7	47.3	43.5	2.3	.1	.0	10.9	100.0	1917
10-13	4.8	6.9	50.6	36.3	1.5	.1	.0	9.7	100.0	1911
14-21	4.4	7.2	49.5	37.1	1.8	0	.0	9.8	100.0	2124
TOT	3.9	6.2	46.2	41.1	2.4	.1	.0	10.5		7946
PCT	3.6	6.1	45.7	42.0	2.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.4	2.0	4.5	3.1		4.7
NE	.6	.3	.5	.6		4.5
E	.4	.2	.4	.2		4.0
SE	.4	.4	.5	.3		4.2
S	.6	.4	.3	.4		3.9
SW	.7	.2	.4	.4		4.0
W	6.7	2.3	2.1	1.4		3.0
NW	32.1	9.4	12.2	7.7		3.0
VAR	.0	.0	.0	.0		.0
CALM	1.6	.7	.8	.6		3.6
TOT OBS	2947	987	1327	850	6111	3.7
TOT PCT	48.2	16.1	21.7	13.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >6/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	0	.2	1.4	2.6	1.3	.3	.1	0	.1	6.0	
NE	0	.0	0	.2	.7	.1	.1	0	0	0	1.1	
E	.0	0	0	.1	.2	0	0	.0	0	0	.6	
SE	0	0	.1	.1	.2	.1	.1	0	.0	.0	1.1	
S	0	0	0	.1	.1	.1	0	.0	.0	0	1.1	
SW	0	0	.1	.1	.1	.2	0	.1	.0	0	1.1	
W	.2	0	.2	.6	1.1	.4	.1	.1	.0	0	9.3	
NW	.4	.2	.8	4.0	6.4	2.1	1.0	.3	.1	.1	46.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	0	0	.2	.2	.1	.1	0	0	0	2.5	
TOT OBS	57	19	90	418	683	263	108	38	14	20	4401	6111
TOT PCT	.9	.3	1.5	6.8	11.2	4.3	1.8	.6	.2	.3	72.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >6/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SCYD	: OR >0
: OR >=500	.4	.4	.6	.6	.6	.6	.6	.6
: OR >=600	.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2
: OR >1500	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
: OR >2000	5.7	7.0	7.2	7.2	7.2	7.2	7.2	7.2
: OR >1600	14.5	17.9	18.2	18.3	18.3	18.3	18.3	18.3
: OR >600	19.6	24.9	25.0	25.1	25.1	25.1	25.1	25.1
: OR >500	20.4	25.4	26.5	26.6	26.6	26.6	26.6	26.6
: OR >150	20.5	26.1	26.8	26.9	26.9	26.9	26.9	26.9
: OR > 0	20.6	26.6	27.4	27.6	27.6	27.7	27.8	27.9
TOTAL	1241	1641	1697	1703	1703	1706	1711	1717

TOTAL NUMBER OF OBS: 4162

PCT FREQ MM <5/8: 72.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
32.4	14.5	10.5	7.8	6.3	3.9	5.8	7.1	11.5	.7	6478

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1900-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	.0	*	.0	.0	.0	*	*	.0	.0	.1	
	NO PCP	*	.0	.0	*	*	*	.1	.1	.0	*	.3	
	TOT %	*	.0	*	*	*	*	.1	.1	.0	*	.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	*	.0	.0	.0	.1	.0	*	.1	
	TOT %	.0	.0	.0	*	.0	.0	.0	.1	.0	*	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	.0	.0	*	*	*	.0	.1	.0	*	.2	
	TOT %	*	.0	.0	*	*	.0	*	.1	.0	*	.2	
2<5	PCP	*	.0	*	*	.0	.0	.0	*	.0	.0	*	
	NO PCP	.1	.1	.0	*	*	*	.1	.6	.0	.1	1.1	
	TOT %	.1	.1	*	*	*	*	.1	.6	.0	.1	1.2	
5<10	PCP	*	*	.0	*	*	*	*	.1	.0	*	.2	
	NO PCP	2.4	.5	.3	.4	.2	.3	2.2	9.6	.0	.7	16.6	
	TOT %	2.4	.6	.3	.4	.2	.3	2.2	9.7	.0	.7	16.8	
10+	PCP	*	.0	.0	*	*	.0	*	*	.0	*	.1	
	NO PCP	12.4	1.4	.9	1.2	1.3	1.2	9.8	50.5	.0	2.4	81.1	
	TOT %	12.4	1.4	.9	1.2	1.3	1.2	9.8	50.6	.0	2.4	81.2	
	TOT OBS												7400
	TOT PCT	15.0	2.1	1.3	1.7	1.5	1.6	12.3	61.2	.0	3.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	*	*	.0	.0	*	.0	*	.1	
	4-10	*	.0	.0	*	.0	*	.1	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	.0	*	.1	.0		.1	
	22+	*	.0	*	.0	.0	.0	.0	*	.0		*	
	TOT %	*	.0	*	*	*	*	.1	.1	.0	*	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	*	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	*	.0	.0	.0	.1	.0	*	.1	
1<2	0-3	.0	.0	.0	*	.0	.0	*	*	.0	.1	.1	
	4-10	*	.0	.0	.0	.0	.0	*	.1	.0		.1	
	11-21	*	.0	.0	*	*	.0	*	.1	.0		.1	
	22+	.0	.0	.0	*	*	.0	.0	*	.0		*	
	TOT %	*	.0	.0	*	*	.0	*	.2	.0	.1	.4	
2<5	0-3	.1	*	.0	.0	.0	*	*	*	.0	.2	.4	
	4-10	.1	*	*	*	*	*	.1	.5	.0		.8	
	11-21	.1	*	.0	.0	.0	*	*	.4	.0		.6	
	22+	.0	*	*	*	*	.0	.0	.1	.0		.1	
	TOT %	.2	.1	*	*	*	.1	.2	1.0	.0	.2	1.9	
5<10	0-3	.1	*	.1	.1	.1	.1	.2	.4	.0	.7	1.8	
	4-10	1.3	.3	.2	.2	.1	.2	1.3	3.9	.0		7.5	
	11-21	.9	.1	*	.1	*	*	.6	4.9	.0		6.8	
	22+	.1	*	*	.1	*	*	*	.3	.0		.6	
	TOT %	2.4	.5	.3	.4	.2	.3	2.1	9.7	.0	.7	16.6	
10+	0-3	.8	.2	.2	.3	.3	.2	.9	1.8	.0	2.5	7.1	
	4-10	5.9	.9	.6	.7	.8	.8	5.9	21.4	.0		36.8	
	11-21	5.2	.3	.2	.2	.1	.1	2.9	26.0	.0		34.9	
	22+	.3	*	.0	*	*	*	.1	1.3	.0		1.8	
	TOT %	12.1	1.4	.9	1.2	1.2	1.2	9.7	50.5	.0	2.5	80.6	
	TOT OBS												7688
	TOT PCT	14.8	2.0	1.3	1.7	1.5	1.6	12.2	61.5	.0	3.5	100.0	

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1900-1979

AREA 001 CENTRAL BAJA WEST
26.6N 114.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.4	.1	.5	5.1	8.3	3.7	1.4	.4	.1	.1	20.2	79.8	1682
06E09	.7	.3	.7	5.5	8.8	2.7	1.4	.5	.1	.1	20.7	79.3	1550
12E15	1.8	.4	3.0	8.4	14.5	4.6	1.5	.2	.3	.6	35.4	64.6	1444
18E21	.9	.4	1.8	7.4	11.9	5.6	2.5	1.2	.4	.5	32.5	67.5	1705
TOT	59	19	93	420	688	266	108	38	14	20	1725	4656	6381
PCT	.9	.3	1.5	6.6	10.8	4.2	1.7	.6	.2	.3	27.0	73.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.1	.2	1.2	15.4	83.0	1931
06E09	.4	.1	.3	1.4	14.9	83.0	1898
12E15	.5	.3	.5	2.4	18.9	77.3	1856
18E21	.6	.1	.5	2.6	17.5	78.6	2100
TOT	31	10	30	151	1298	6263	7785
PCT	.4	.1	.4	1.9	16.7	80.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00E03	.4	1.2	7.2	19.3	78.4	1617
06E09	.7	1.7	8.1	13.4	78.2	1498
12E15	1.9	5.5	15.8	22.0	62.4	1401
18E21	1.0	3.3	12.8	21.9	65.5	1644
TOT	60	178	696	1104	4352	6162
PCT	1.0	2.9	10.4	17.9	71.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	*	*	.0	.0	.0	4	.1
85/89	.0	.0	*	.1	.1	.2	.1	.0	31	.5
80/84	.0	.0	*	.3	.7	1.8	1.0	.4	263	4.2
75/79	.0	.0	*	.7	1.4	7.9	7.7	2.9	1221	19.6
70/74	.0	.0	.0	.1	1.0	7.6	21.8	13.8	2753	44.3
65/69	.0	.0	.0	*	.2	2.1	13.2	13.1	1761	28.6
60/64	.0	.0	.0	.0	*	.1	1.0	1.5	162	2.6
55/59	.0	.0	.0	.0	.0	.0	.0	*	2	*
TOTAL	0	0	6	44	217	1190	2787	1973	6217	100.0
PCT	.0	.0	.1	.7	3.5	19.1	44.8	31.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	.0	.0	*	.0	*
	.1	*	*	.0	*	*	*	.3	.0	.1
	.5	.1	.1	.3	.2	.1	.6	2.0	.0	.3
	.8	.5	.4	.6	.5	.4	2.9	10.7	.0	.9
	5.5	.8	.5	.6	.5	.7	5.6	27.3	.0	1.7
	5.2	.5	.2	.2	.1	.2	2.3	14.4	.0	.8
	.5	*	.0	.0	.0	*	.2	1.9	.0	*
	.0	.0	.0	.0	.0	*	.0	*	.0	.0
	15.6	1.9	1.2	1.8	1.4	1.5	11.5	61.6	.0	3.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	93	85	81	73	67	65	62	73.6	1989
06E09	84	79	77	70	65	63	59	70.3	1920
12E15	87	79	76	70	64	62	59	69.7	1920
18E21	90	84	80	73	66	64	59	73.2	2133
TOT	93	83	79	72	65	63	59	71.8	7978

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.7	5.4	28.0	48.9	16.0	82	1487
06E09	.0	.3	1.0	7.7	45.0	45.9	87	1561
12E15	.0	.5	1.7	7.8	37.6	52.9	88	1483
18E21	.0	1.0	6.0	31.6	46.2	15.3	81	1659
TOT	0	45	214	1205	2804	2224	84	6292

AUGUST

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1900-1979

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26.4N 114.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	# FOG	%% FOG
23/25	.0	.0	.0	.0	.0	.0	*	.0	.0	1	.0	*
20/22	.0	.0	.0	.0	.0	.0	*	*	*	4	.0	.1
17/19	.0	.0	.0	*	*	*	*	.1	.0	12	.0	.2
14/16	.0	.0	.0	*	*	.1	.1	.1	*	24	.0	.4
11/13	.0	.0	*	.1	.1	.5	.4	.1	.0	85	*	1.2
9/10	.0	*	*	.2	.5	.6	.4	.1	.0	124	*	1.8
7/8	.0	.0	.1	.5	1.3	1.1	.4	*	*	240	.1	3.5
6	.0	.0	.1	.5	.9	.5	.2	*	.0	147	*	2.1
5	.0	*	.3	1.1	1.6	1.2	.2	*	.0	301	.1	4.3
4	.0	*	.6	1.7	1.7	1.1	.1	.0	.0	370	.1	5.3
3	.0	.1	.7	2.2	1.8	.6	.2	*	.0	378	.1	5.4
2	*	.2	1.4	3.2	2.6	1.1	.1	*	.0	581	.2	8.3
1	.0	.2	1.6	3.7	3.2	.8	.1	*	.0	650	.2	9.4
0	*	.5	3.1	5.4	3.3	.8	.1	.0	.0	858	.3	12.4
-1	*	.7	2.3	4.6	2.9	.5	.1	*	.0	697	.2	9.8
-2	*	.4	2.9	4.6	2.2	.5	.1	.0	.0	716	.2	10.3
-3	.0	.4	1.9	3.0	1.4	.2	.1	.0	.0	476	.1	6.9
-4	*	.3	1.9	2.6	.8	.3	*	.0	.0	405	.1	5.8
-5	.0	.2	1.4	1.3	.7	.1	*	.0	.0	257	.1	3.7
-6	.0	.2	.8	.9	.6	*	.0	.0	.0	170	.1	2.4
-7/-8	.0	.2	.7	.9	.4	.1	.0	.0	.0	159	*	2.3
-9/-10	.0	.1	.3	.5	.2	*	.0	.0	.0	75	*	1.1
-11/-12	.0	*	.2	.1	.1	.0	.0	.0	.0	29	*	.4
-13/-14	.0	*	.1	.2	.0	.0	.0	.0	.0	20	*	.3
-17/-19	.0	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	*	20%	1398	2514	1759	712	184	39	*	6831	149	6663
PCT	.1	7.0	20.4	36.9	25.8	10.4	2.7	.6	.1	100.0	2.2	97.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.0	.1	.0	.0	.0	1.5
1-2	.3	3.4	1.7	.0	.0	.0	5.4
3-4	.1	2.2	3.2	.1	.0	.0	5.6
5-6	.0	.4	2.7	.0	.0	.0	2.5
7	.0	.1	.7	.1	.0	.0	.9
8-9	.0	.1	.1	.1	.0	.0	.3
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	7.7	7.9	.3	.0	.0	16.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	.6	.5	.1	.0	.0	.0	.5
3-4	.0	.2	.6	.0	.0	.0	.8
5-6	.0	.1	*	.0	.0	.0	.1
7	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	.7	.2	.1	.0	.0	1.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.5
1-2	.1	.3	.1	.0	.0	.0	.4
3-4	*	.1	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.1	.0	.0	.0	1.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.3
1-2	.1	.2	.0	.0	.0	.0	.2
3-4	*	.2	.1	.0	.0	.0	.3
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.6	.1	.0	.0	.0	1.0

AUGUST

PERIOD: (OVER-ALL) 1963-1979

AREA 001 CENTRAL BAJA WEST
26.0N 114.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.1	.0	.0	.0	1.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	.4	.0	.0	.0	.0	.4
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.1	3.4	.0	.0	.0	10.5

b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	3.3	.2	.0	.0	.0	4.0
1-2	.3	3.2	.6	.0	.0	.0	4.1
3-4	.1	1.3	1.6	.0	.0	.0	3.0
5-6	.0	.2	.7	.0	.0	.0	.9
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	8.1	3.4	.0	.0	.0	10.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	3.5	.1	.0	.0	.0	5.4
1-2	1.0	13.6	6.6	.0	.0	.0	21.0
3-4	.2	6.0	16.9	.2	.0	.0	23.2
5-6	.0	1.5	7.7	.5	.0	.0	9.3
7	.0	.2	2.6	.6	.0	.0	3.5
8-9	.0	.0	.5	.2	.0	.0	.8
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	27.0	32.3	1.6	.0	.0	62.8

TOTAL PCT
6.4
23.2
9.3
3.5
.8
.4
.2
.1
.0
.0
.0
.0
.0
.0
.0
.0
.0
.0
.0
.0
96.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.5	7.2	.3	.0	.0	.0	14.1	
1-2	1.6	22.3	8.7	.7	.0	.0	32.8	
3-4	.5	17.4	20.4	.4	.0	.0	38.8	
5-6	.1	2.1	10.2	.5	.0	.0	12.9	
7	.0	.4	3.6	.7	.0	.0	4.7	
8-9	.0	.2	.5	.3	.0	.0	1.0	
10-11	.0	.0	.3	.1	.0	.0	.4	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.9	49.8	44.3	2.0	.0	.0	100.0	1029

PERIOD: (OVER-ALL) 1963-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<4	2.9	14.5	20.8	8.6	2.8	.7	.3	.1	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	2703	3
4-5	.1	2.4	9.1	6.1	3.1	1.1	.6	.2	•	•	.0	•	•	.0	.0	.0	.0	.0	.0	1011	5
6-7	.1	.7	2.2	3.2	2.3	.9	.6	.2	.1	.0	•	•	.0	.0	.0	.0	.0	.0	.0	575	6
8-9	.1	.7	1.0	.9	.6	.4	.3	.1	.1	.0	•	•	.0	.0	.0	.0	.0	.0	.0	234	7
10-11	.0	.4	1.0	.4	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97	8
12-13	.0	.0	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66	9
>13	.0	.0	.0	.4	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	619	7
INDET	3.0	1.0	1.4	1.0	.4	.2	.1	.0	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	5906	•
TOTAL	336	1075	1925	1295	571	199	120	36	23	7	2	•	1	0	0	0	0	0	0	100.0	
PCT	6.0	19.2	34.4	23.0	10.2	3.6	2.1	.6	.4	.1	.1	•	.1	•	.0	.0	.0	.0	.0		

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1802-1979

AREA 001 CENTRAL BAJA WEST 26.4N 114.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.6	.0	.3	.0	.0	.0	.0	.9	.6	.4	.9	.2	4.7	.0	92.4
NE	4.1	.6	4.2	.0	.0	.0	.6	9.6	.8	.0	1.9	.2	2.1	.0	85.6
E	3.0	.7	2.8	.0	.0	.0	.0	6.5	3.7	.7	1.3	.6	2.8	1.3	83.1
SE	1.8	1.9	3.2	.0	.0	.0	.6	7.5	2.1	.6	.8	.0	2.1	.8	86.1
S	2.1	.7	5.5	.0	.0	.0	.0	8.3	2.8	.0	2.8	.0	3.5	.0	82.6
SW	2.1	.0	1.7	.0	.0	.0	.0	3.8	.7	.0	3.8	.2	7.2	.0	86.3
W	.2	.1	.5	.0	.0	.0	.0	.8	.1	.4	2.8	.5	8.1	.0	87.4
NW	.1	*	.3	.0	.0	.0	.0	.4	.2	.3	1.4	.1	6.2	.1	91.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	8.4	.0	10.7	.0	80.0
TOT PCT	.5	.1	.6	.0	.0	.0	*	1.2	.4	.3	1.8	.1	6.0	.1	90.1
TOT OBS:	7290														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.5	.0	.2	.0	.0	.0	.0	.7	.7	.1	1.3	.1	9.6	.1	87.8
06609	.6	.2	.6	.0	.0	.0	.1	1.6	.5	.5	1.6	.2	6.0	.1	91.7
12615	.9	.1	.9	.0	.0	.0	.1	1.5	.6	.9	1.9	.2	5.9	.1	92.1
18621	.3	.1	.6	.0	.0	.0	.0	1.0	.9	.1	2.3	.2	7.0	.1	89.1
TOT PCT	.4	.1	.6	.0	.0	.0	*	1.2	.4	.3	1.8	.1	6.0	.1	90.2
TOT OBS:	7364														

TABLE 7

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	6.6	8.4	.4	*	.0		16.1	11.8	13.1	14.2	15.0	17.3	17.7	16.7	19.4	16.4
NE	.2	1.3	.6	*	.0	.0		2.1	9.3	1.2	1.6	1.7	1.6	2.5	3.1	2.9	3.0
E	.2	1.0	.4	.1	*	.0		1.8	9.3	1.0	.8	2.0	.8	2.5	2.3	2.1	1.4
SE	.2	1.0	.7	.2	.0	.0		2.1	11.1	1.8	2.1	1.7	1.4	3.5	.8	2.4	1.7
S	.3	1.1	.3	.2	*	.0		1.9	9.2	1.7	2.4	1.7	1.9	2.0	2.2	2.5	1.4
SW	.3	1.2	.4	*	*	.0		2.0	8.3	2.2	3.1	2.2	2.7	2.0	.7	1.8	.8
W	.4	6.4	3.1	.1	*	.0		10.6	9.3	13.1	10.2	11.1	12.2	9.8	7.8	8.9	9.2
NW	2.2	24.9	30.7	2.3	*	.0		60.2	12.1	63.8	61.8	61.7	64.3	56.8	66.9	56.8	59.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.3							3.3	.0	2.0	2.4	3.2	1.3	4.6	2.2	3.4	4.1
TOT OBS	654	3011	3491	264	8	0	7632		11.1	1789	123	1757	187	1688	229	1848	219
TOT PCT	8.6	43.4	46.6	3.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 7A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.9	10.1	3.0	*	.0		16.1	11.8	13.2	14.8	17.0	19.1
NE	.8	1.2	.2	*	.0		2.1	9.3	1.2	1.7	2.5	2.9
E	.9	.7	.2	*	*		1.8	9.3	.9	1.8	2.4	2.0
SE	.8	.9	.3	.1	.0		2.1	11.1	2.0	1.7	2.2	2.3
S	1.0	.6	.2	.1	.0		1.9	9.2	1.8	1.3	2.0	2.5
SW	1.0	.9	.1	*	.0		2.0	8.3	2.3	2.3	1.8	1.7
W	3.5	6.3	.7	*	*		10.6	9.3	13.0	11.0	9.4	8.9
NW	9.5	39.1	11.5	.2	*		60.2	12.1	63.7	62.1	58.2	57.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.3						3.3	.0	2.0	3.2	4.3	3.5
TOT OBS	1842	4692	1255	40	3	7832		11.1	1912	1936	1937	2047
TOT PCT	23.5	59.9	16.0	.5	*		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

AREA 001 CENTRAL BAJA WEST
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00L03	2.0	4.1	37.5	51.4	4.8	.2	.0	12.1	100.0	1912
06L09	3.2	4.1	40.4	48.1	4.0	.2	.0	11.6	100.0	1936
12L15	4.3	5.9	49.0	38.1	2.7	.0	.0	10.2	100.0	1917
18L21	3.5	6.1	47.1	40.9	2.4	*	.0	10.4	100.0	2067
TOT	255	349	3411	3491	268	8	0	11.1		7832
PCT	3.3	5.1	43.6	44.6	3.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCR	TOTAL OBS	MEAN CLOUD COVER
N	7.5	2.4	4.2	7.7		3.6
NE	.8	.3	.5	.4		4.0
E	.6	.3	.5	.4		4.0
SE	.6	.4	.5	.3		3.8
S	.7	.2	.5	.3		3.6
SW	.8	.2	.5	.4		3.8
W	5.6	1.5	1.8	1.4		2.9
NW	34.3	6.8	10.4	6.5		2.7
VAR	.0	.0	.0	.0		.0
CALM	2.1	.3	.5	.4		2.5
TOT OBS	3164	654	1167	757	5922	9.0
TOT PCT	53.4	14.4	19.6	12.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >0/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2999	3000 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY WET	TOTAL OBS
N	.2	*	.3	1.2	2.5	1.0	.3	.1	.1	.1	11.1	
NE	.1	*	*	.1	.3	.2	*	*	.0	*	1.3	
E	.1	*	.1	.2	.2	.1	*	.0	.0	*	1.1	
SE	*	.1	.1	.1	.1	.1	.0	.0	.0	*	1.6	
S	.1	*	*	.2	.1	.1	*	.0	.0	*	1.2	
SW	.1	*	*	.2	.1	.1	*	.0	.0	*	1.3	
W	.2	*	.2	.6	.9	.6	.2	.0	*	*	8.1	
NW	.5	.1	.6	3.5	5.2	2.6	.9	.3	.1	.2	46.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	*	*	.1	.1	.3	.1	*	*	*	.0	.0	2.6
TOT OBS	72	20	77	367	573	286	98	29	17	10	4387	5922
TOT PCT	1.2	.3	1.3	6.2	9.7	4.8	1.6	.5	.3	.2	74.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >0/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : 04 >10	: 03 >5	: 02 >2	: 01 >1	: 00 >1/2	: 00 >1/4	: 00 >5040	: 00 >0
: 00 >6500	.5	.6	.6	.6	.6	.6	.6	.6
: 00 >4000	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
: 00 >3500	2.1	2.6	2.7	2.7	2.7	2.7	2.7	2.7
: 00 >2000	5.6	7.1	7.2	7.2	7.2	7.2	7.2	7.2
: 00 >1000	13.5	16.6	16.8	16.9	16.9	16.9	16.9	16.9
: 00 >600	17.8	22.5	23.0	23.1	23.1	23.1	23.1	23.1
: 00 >300	18.4	23.7	24.3	24.4	24.4	24.4	24.4	24.4
: 00 >150	18.5	24.0	24.6	24.7	24.8	24.8	24.8	24.8
: 00 > 0	18.6	24.7	25.4	25.6	25.7	25.8	26.0	26.0
TOTAL	1114	1472	1537	1570	1576	1590	1551	1591

TOTAL NUMBER OF OBS: 5944 PCT FREQ MM <5/8: 74.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCR	TOTAL OBS
35.6	19.1	11.7	7.3	5.2	4.7	5.4	6.1	5.7	1.0	6274

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
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26.4N 114.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	*	.0	*	*	*	.1	.1	.0	.1	.5	
	TOT %	*	*	.0	*	*	*	.1	.1	.0	.1	.5	
1/2<1	PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	*	.0	.0	*	.0	*	.1	.0	*	.1	
	TOT %	.0	*	.0	*	*	.0	*	.1	.0	*	.2	
1<2	PCP	*	*	*	.0	.0	*	*	*	.0	.0	.1	
	NO PCP	*	.0	*	.0	*	*	*	.1	.0	.0	.2	
	TOT %	*	*	*	.0	*	*	.1	.1	.0	.0	.3	
2<5	PCP	*	*	*	*	*	*	*	.1	.0	.0	.2	
	NO PCP	.1	*	.1	.1	*	*	.2	.8	.0	.1	1.3	
	TOT %	.2	*	.1	.1	.1	.1	.2	.8	.0	.1	1.5	
5<10	PCP	.1	.1	*	.1	.1	*	*	.1	.0	.0	.6	
	NO PCP	2.5	.4	.3	.5	.4	.3	1.7	9.0	.0	.7	15.8	
	TOT %	2.6	.5	.3	.6	.5	.4	1.8	9.1	.0	.7	16.4	
10+	PCP	.0	*	*	.1	*	*	*	.1	.0	.0	.3	
	NO PCP	13.4	1.5	1.3	1.4	1.3	1.5	8.4	49.7	.0	2.2	80.9	
	TOT %	13.4	1.5	1.4	1.5	1.4	1.5	8.5	49.8	.0	2.2	81.1	
	TOT OBS												7275
	TOT PCT	16.2	2.1	1.9	2.2	2.0	2.0	10.6	60.0	.0	3.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	*	*	*	*	.0	.1	.2	
	4-10	*	*	.0	.0	.0	*	.1	.1	.0		.3	
	11-21	*	*	.0	*	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	*	*	*	.1	.2	.0	.1	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	.1	
	4-10	.0	*	.0	.0	*	.0	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	.0	*	.0	*	*	.0	*	.1	.0	*	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	4-10	*	.0	.0	.0	*	*	*	.1	.0		.2	
	11-21	*	*	*	.0	*	*	*	.1	.0		.1	
	22+	.0	.0	*	.0	.0	.0	.0	*	.0		.1	
	TOT %	.1	*	*	.0	*	*	.1	.2	.0	.0	.4	
2<5	0-3	*	*	.0	.0	*	*	*	.1	.0	.1	.3	
	4-10	.1	*	.1	*	*	*	.1	.5	.0		.9	
	11-21	.1	*	*	*	*	*	*	.4	.0		.7	
	22+	*	*	*	*	.0	.0	*	.1	.0		.1	
	TOT %	.2	*	.1	.1	.1	.1	.2	1.1	.0	.1	2.0	
5<10	0-3	.1	*	*	.1	*	.1	.2	.4	.0	.7	1.6	
	4-10	.8	.3	.2	.2	.2	.2	1.1	3.9	.0		6.8	
	11-21	1.5	.2	.1	.2	.1	.1	.5	4.4	.0		7.1	
	22+	.1	*	*	.1	.1	.1	.0	.4	.0		.8	
	TOT %	2.5	.5	.3	.5	.4	.4	1.7	9.1	.0	.7	16.2	
10+	0-3	.6	.1	.2	.2	.3	.2	.7	1.7	.0	2.3	6.2	
	4-10	5.5	1.0	.4	.8	.8	1.0	5.1	20.3	.0		35.2	
	11-21	6.8	.4	.3	.5	.2	.3	2.6	25.8	.0		36.8	
	22+	.3	*	.1	.1	.1	*	.1	1.8	.0		2.5	
	TOT %	13.2	1.5	1.3	1.5	1.3	1.5	8.4	49.6	.0	2.3	80.7	
	TOT OBS												7637
	TOT PCT	16.1	2.1	1.8	2.1	1.9	2.0	10.6	60.2	.0	3.2	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

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26.4N 114.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.8	.4	.7	4.6	7.0	3.5	1.3	.7	.3	.3	19.5	80.5	1594
06E09	.7	.2	1.1	4.8	8.2	3.6	1.3	.2	.2	.2	20.5	79.5	1505
12E15	2.1	.3	2.0	8.0	11.3	5.1	1.5	.2	.2	.4	31.0	69.0	1421
18E21	1.3	.5	1.5	6.8	11.3	5.4	2.1	.9	.4	.2	30.3	69.7	1642
TOT	73	21	80	370	580	271	96	31	17	18	1597	4605	6162
PCT	1.2	.3	1.3	6.0	9.4	4.4	1.6	.5	.3	.3	25.3	74.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.3	.1	.4	2.1	15.4	81.7	1871
06E09	.5	.1	.4	1.6	15.4	82.1	1918
12E15	.8	.2	.5	2.1	15.6	80.7	1968
18E21	.6	.2	.3	2.3	18.3	78.2	2057
TOT	41	12	31	156	1254	6220	7714
PCT	.5	.2	.4	2.0	16.3	80.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <5QYD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.8	2.0	8.0	13.1	78.8	1530
06E09	.8	2.2	7.9	14.0	78.1	1462
12E15	2.2	4.9	13.9	14.9	67.3	1379
18E21	1.4	3.4	11.6	20.4	68.0	1595
TOT	77	184	615	990	4361	5966
PCT	1.3	3.1	10.3	16.6	73.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.1	*	.0	*	*	.0	*	.0	9	.1
85/89	.1	*	.0	.1	.2	.4	.1	*	53	.9
80/84	.0	*	.1	.2	1.1	2.8	1.8	.5	394	6.5
75/79	.0	*	*	.3	1.6	8.0	10.9	5.6	1570	26.0
70/74	.0	.0	.1	.2	2.2	9.4	18.1	13.8	2590	42.8
65/69	.0	.0	.0	.1	.4	3.1	10.3	7.5	1295	21.4
60/64	.0	.0	.0	.0	.0	.2	1.0	1.1	137	2.3
55/59	.0	.0	.0	.0	.0	.0	.0	*	1	*
TOTAL	0	4	12	58	337	1391	2523	1724	6049	100.0
PCT	.0	.1	.2	1.0	5.6	23.0	41.7	28.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	*	.0	*	.1	.0	.0
.1	*	*	*	*	.0	.1	.5	.0	*
.9	.2	.2	.5	.4	.2	.6	2.4	.0	.3
3.3	.6	.8	.8	.7	.8	3.7	14.1	.0	1.1
7.0	.9	.5	.6	.7	.8	4.7	26.7	.0	1.0
5.0	.4	.2	.1	.1	.3	1.1	13.8	.0	.5
.5	*	.0	.0	*	.0	.1	1.6	.0	*
.0	.0	.0	.0	.0	.0	.0	*	.0	.0
16.9	2.1	1.8	2.1	1.9	2.1	10.5	59.6	.0	3.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	90%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	92	87	83	74	67	61	59	74.5	1909
06E09	91	80	78	71	65	63	60	71.3	1941
12E15	86	80	77	71	64	62	58	70.8	1926
18E21	92	85	82	74	67	64	55	74.2	2082
TOT	92	84	81	72	66	63	55	72.7	7858

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.7	5.0	31.1	42.0	16.2	81	1504
06E09	.0	.5	1.9	12.5	45.9	39.8	86	1562
12E15	.0	.7	1.9	13.5	40.3	43.7	86	1478
18E21	.0	2.0	9.6	34.6	39.2	14.7	80	1568
TOT	0	75	342	1404	2549	1742	83	6112

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PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

TABLE 17

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73	77	81	85	89	TOT	%	NO
TMP DIF	56	60	64	68	72	76	80	84	88	92		FOG	FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	1	.0	•
20/22	.0	.0	.0	.0	.0	.0	•	.0	•	.0	3	.0	•
17/19	.0	.0	.0	.0	.0	.0	.0	•	•	•	•	.0	.1
14/16	.0	.0	.0	.0	.0	•	.1	.1	•	•	19	.0	.3
11/13	.0	.0	.0	.0	•	.1	.3	.3	.1	.0	55	•	.8
9/10	.0	.0	.0	.0	.2	.4	.4	.4	.1	.0	107	.1	1.5
7/8		.0	•	.3	.7	.9	.5	.1	•		171	.0	2.6
6	.0	.0	.0	.1	.2	.7	.3	.1	•		151	•	2.2
5	.0	.0	•	.1	.6	1.2	.9	.3	.1	.0	202	.1	3.0
4	.0	.0	•	.3	1.0	1.6	1.3	.5	•	•	303	.1	5.1
3	.0	.0	•	.3	1.2	1.7	1.2	.3	•	.0	323	.1	6.7
2	.0	.0	.1	.6	2.0	2.6	1.7	.4	•	.0	511	.2	7.6
1	.0	.0	•	.9	2.3	2.5	1.3	.3	•	.0	490	.2	7.1
0	.0	.0	.4	2.2	4.5	4.1	2.0	.3	•	.0	899	.2	13.2
-1	.0	.0	.1	1.7	3.6	2.7	1.2	.1	.0	.0	618	.1	9.1
-2	.0	.0	.3	2.4	4.0	3.1	1.2	.2	.0	.0	752	.1	11.1
-3	.0	.0	.3	1.6	3.2	2.2	.8	.1	.0	.0	546	.2	8.0
-4	.0	.0	.3	1.8	2.7	2.0	.6	.1	•	.0	497	.1	7.3
-5	•	.0	.3	1.1	2.1	1.5	.5	•	.0	.0	371	•	5.5
-6		.0	.2	.8	1.4	.7	.2	•	.0	.0	220	.1	3.2
-7/-8	.0	•	.3	.6	1.4	.8	.4	.0	.0	.0	256	•	3.8
-9/-10	.0	•	•	.3	.6	.4	.1	.0	.0	.0	93	•	1.4
-11/-13	.0	•	.1	.1	.4	•	•	.0	.0	.0	44	•	.6
-14/-16	.0	•	•	•	•	•	•	.0	.0	.0	6	.0	.1
-17/-19	.0	.0	•	.0	.0	.0	.0	.0	.0	.0	1	.0	•
-20/-22	.0	.0	.0	•	.0	.0	.0	.0	.0	.0	1	.0	•
TOTAL	1		174		2103		1053		57			120	4562
		5		1031		1962		287		9	6682		
PCT	•	.1	2.6	15.4	31.5	29.4	15.8	4.3	.9	.1	100.0	1.8	68.2

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.8
1-2	.1	4.5	2.0	.0	.0	.0	6.6
3-4	.1	1.8	4.1	.1	.0	.0	6.0
5-6	.0	.4	2.4	.1	.0	.0	2.9
7	.0	.1	1.1	.1	.0	.0	1.4
8-9	.0	.0	•	•	.0	.0	.1
10-11	.0	.0	•	.0	.0	.0	•
12	.0	.0	.0	.0	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	7.4	9.6	.4	.0	.0	17.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
	.0	.2	.0	.0	.0	.0	.2
	.1	.4	.4	.1	.0	.0	.9
	.0	.4	.1	.0	.0	.0	.6
	.0	.2	.1	.0	.0	.0	.4
	.0	.1	.1	.0	.0	.0	.2
	.0	.0	.0	.0	.0	.0	.1

PERIOD: (OVER-ALL) 1963-1979 SEPTEMBER AREA 001 CENTRAL BAJA WEST
TABLE 18 (CONT) 26.0N 119.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.1	.0	.0	.0	.0	.3
1-2	.0	.6	.1	.0	.0	.0	.7
3-4	.0	.3	.1	.1	.0	.0	.5
5-6	.0	.0	.2	.1	.0	.0	.3
7	.0	.0	•	.1	.0	.0	.1
8-9	.0	.0	•	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.1	.5	.3	.0	.0	2.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	•	.0	.0	.0	1.1
1-2	.4	2.6	.5	.0	.0	.0	3.5
3-4	•	1.7	1.0	.1	.0	.0	3.6
5-6	.0	.3	.6	.0	.0	.0	.9
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-66	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.4	3.5	.1	.1	.0	9.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.2	.4	.0	.0	.0	3.0
1-2	1.5	12.4	5.8	.0	.0	.0	19.7
3-4	.1	7.2	12.4	.4	.0	.0	20.7
5-6	.1	.8	8.7	1.0	.0	.0	10.5
7	.0	.6	2.9	.5	.0	.0	4.0
8-9	.0	.1	.5	.3	.0	.0	.9
10-11	.0	.0	.0	•	.0	.0	•
12	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.0	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-66	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	23.4	31.3	2.2	.1	.0	59.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.2	.0	.0	.0	.6
1-2	.3	1.4	.5	.0	.0	.0	2.2
3-4	.1	1.2	.5	.1	.0	.0	2.0
5-6	.0	.2	.4	.1	.0	.0	.7
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-66	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.2	1.8	.2	.0	.0	5.8

TOTAL PCT

HGT	TOTAL PCT
<1	3.0
1-2	19.7
3-4	20.7
5-6	10.5
7	4.0
8-9	.9
10-11	•
12	.1
13-16	.1
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-66	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	97.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.1	6.7	.0	.0	.0	.0	9.1	
1-2	2.4	22.8	9.0	.0	.0	.0	36.1	
3-4	.4	11.7	20.1	.8	.0	.0	32.9	
5-6	.1	1.7	12.8	1.2	.0	.0	15.8	
7	.0	.8	4.4	.8	.0	.0	6.0	
8-9	.0	.1	.8	.5	.0	.0	1.4	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.1	.0	.1	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-66	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.9	41.8	47.7	3.4	.2	.0	100.0	1655

PERIOD: (OVER-ALL) 1969-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.4	13.9	19.3	9.3	3.2	1.2	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2600	3
6-7	•	2.1	7.8	8.5	4.2	1.6	.5	.1	.2	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	1333	5
8-9	.0	.9	2.0	3.2	2.0	1.2	.5	.2	.1	•	.0	.0	.0	•	.0	.0	.0	.0	.0	551	6
10-11	.0	.4	.7	.7	.7	.6	.3	.1	.1	•	.0	.0	.0	•	.0	.0	.0	.0	.0	198	6
12-13	.0	.0	.7	.4	.4	.3	.1	•	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	6
>13	.0	.0	.0	.6	.5	.2	.1	.0	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	69	7
INDET	2.4	1.5	1.6	1.1	.7	.2	.1	•	•	•	.1	.0	•	.0	.0	.0	.0	.0	.0	417	7
TOTAL	264	1005	1719	1277	612	279	111	37	41	6	5	0	1	7	0	0	0	0	0	5353	6
PCT	4.9	18.8	32.1	23.9	11.4	5.2	2.1	.7	.8	.1	.1	.0	•	•	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1885-1979

AREA 001 CENTRAL BAJA WEST 26.4N 110.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.3	.0	.3	.0	.0	.0	.0	.5	.3	.1	1.2	.1	3.6	.2		94.0
NE	3.2	.6	2.6	.0	.0	.0	.0	6.2	2.1	.5	.7	.0	4.1	.0		86.4
E	.8	1.9	2.1	.0	.0	.0	.0	4.8	4.7	.0	4.5	.0	3.2	.0		83.3
SE	3.2	1.4	1.4	.0	.0	.0	.0	5.4	1.1	.0	2.2	.0	3.2	.0		87.6
S	1.2	3.1	2.2	.0	.0	.0	1.2	6.5	.0	.0	1.9	.0	4.7	.0		87.0
SW	.2	.2	3.7	.0	.0	.0	.0	2.0	1.7	.3	1.6	.0	5.0	.0		89.1
W	.9	.2	.9	.0	.0	.0	.0	2.0	1.7	.3	1.6	.0	5.0	.0		89.1
NW	.2	*	.2	.0	.0	.0	.0	.4	.2	.1	1.8	*	5.5	*		92.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	12.4	.0		82.6
TOT PCT	.4	.1	.5	.0	.0	.0	*	1.0	.5	.1	1.8	*	5.1	.1		91.5
TOT OBS:	7070															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.5	.2	.5	.0	.0	.0	.0	1.2	.9	.0	2.0	.1	7.3	.1		89.1
06&09	.4	.1	.3	.0	.0	.0	.1	.4	.5	.1	1.3	.0	3.6	.1		93.7
12&15	.9	.1	.6	.0	.0	.0	.0	1.1	.5	.3	1.7	.0	3.8	.0		92.6
18&21	.3	.2	.5	.0	.0	.0	.0	.8	.6	.0	2.1	.1	5.8	.1		90.5
TOT PCT	.4	.1	.5	.0	.0	.0	*	1.0	.5	.1	1.8	*	5.1	.1		91.5
TOT OBS:	7172															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	9.8	9.6	.4	*	*		20.6	11.3	19.7	20.5	19.1	16.9	22.6	25.2	25.7	25.8
NE	.3	1.8	.8	*	*	.0		2.9	9.0	1.4	2.2	2.0	1.7	3.0	1.5	5.1	2.8
E	.7	.7	.2	*	.0	.0		1.2	7.7	.7	.5	1.1	.6	2.0	.2	1.5	1.7
SE	.3	.7	.2	*	*	*		1.3	8.3	1.1	2.0	1.2	1.0	1.5	1.2	1.4	1.1
S	.3	.6	.2	*	*	*		1.1	8.1	1.3	1.0	.6	1.4	.8	1.7	1.1	2.4
SW	.9	1.0	.4	*	.0	.0		1.7	7.8	1.6	2.0	1.9	1.8	1.6	2.3	1.8	2.0
W	.7	5.5	2.7	.2	.0	*		9.1	9.5	10.9	8.4	9.8	9.3	8.7	7.9	7.6	7.1
NW	2.1	24.6	31.3	1.7	*	*		59.7	11.9	67.0	62.8	62.2	69.1	56.7	58.0	53.7	55.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0	1.7	.7	1.9	2.2	1.8	1.9	2.8	.9
TOT OBS	551	3619	3962	185	8	4	7629		11.0	1727	149	1760	180	1630	206	1866	221
TOT PCT	7.2	46.8	65.4	2.4	.1	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.1	13.6	2.9	.1	*		20.6	11.3	15.1	18.9	22.9	25.3
NE	.9	1.6	.1	*	.0		2.6	9.0	1.5	2.0	2.9	9.0
E	.7	.5	.1	.0	.0		1.2	7.7	.7	1.0	1.0	1.5
SE	.8	.4	.1	*	*		1.3	8.3	1.2	1.2	1.5	1.3
S	.7	.3	.1	*	*		1.1	8.1	1.3	1.0	.9	1.3
SW	.8	.8	.1	.0	.0		1.7	7.8	1.6	1.9	1.7	1.6
W	3.1	5.2	.6	*	*		9.1	9.5	10.7	9.7	8.6	7.6
NW	9.9	39.1	10.5	.2	*		59.7	11.9	66.7	62.5	56.2	53.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	1.2	1.9	1.6	2.6
TOT OBS	1776	4709	1117	25	4	7629		11.0	1876	1888	1844	2071
TOT PCT	23.3	61.7	14.6	.3	.1		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1805-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.2	4.1	38.3	52.4	3.7	.2	.1	12.0	100.0	1976
06&09	1.9	4.6	43.0	47.6	3.0	.0	.1	11.4	100.0	1888
12&15	3.6	4.9	47.8	42.3	1.3	.0	.0	10.2	100.0	1844
18&21	2.6	5.9	49.8	39.6	1.7	.2	.1	10.3	100.0	2021
TOT	178	373	3819	3462	165	8	4	11.0		7629
PCT	2.3	4.9	49.8	45.4	2.4	.1	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	11.2	3.5	4.4	2.1		2.9
NE	1.6	.5	.6	.5		3.6
E	.6	.1	.3	.3		7.7
SE	.6	.3	.3	.7		3.5
S	.5	.2	.3	.1		5.3
SW	.7	.3	.4	.4		6.2
W	4.6	1.7	1.8	.9		2.9
NW	33.9	8.8	11.0	5.1		2.6
VAR	.0	.0	.0	.0		.0
CALM	1.5	.7	.7	.3		2.5
TOT OBS	3180	913	1119	569	5780	2.9
TOT PCT	55.0	15.8	19.3	9.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >0/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.2	•	.2	1.1	1.4	1.1	.3	.1	.1	.1	16.1	
NE	•	•	•	.2	.3	.2	•	.0	•	.0	2.2	
E	•	.0	•	.2	.1	.1	.1	•	.0	.0	.8	
SE	.0	.0	•	.1	.1	.1	•	.0	.0	.0	1.0	
S	•	.0	•	.1	.1	•	•	.0	.0	.0	.9	
SW	•	•	•	.2	.2	.2	.1	.0	.0	•	1.0	
W	.1	•	.1	.5	.8	.4	.1	.1	.0	•	6.8	
NW	.3	.1	.6	2.5	5.0	7.4	.9	.3	.2	.1	46.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.1	.1	.1	.1	•	•	.0	•	2.0	
TOT OBS	43	10	66	280	499	250	94	30	16	16	4460	5780
TOT PCT	.7	.2	1.1	4.8	8.6	4.5	1.6	.5	.3	.3	77.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >0/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : 0M >10	: 0M >5	: 0M >2	: 0M >1	: 0M >1/2	: 0M >1/4	: 0M >5O*C	: 0M >0
: 0M >9500	.5	.5	.5	.5	.5	.5	.5	.5
: 0M >4000	.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1
: 0M >3500	2.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7
: 0M >2000	6.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1
: 0M >1000	13.0	15.5	15.7	15.8	15.8	15.8	15.8	15.8
: 0M >600	16.6	20.1	20.5	20.6	20.6	20.6	20.6	20.6
: 0M >300	17.2	21.1	21.6	21.7	21.7	21.7	21.7	21.7
: 0M >150	17.3	21.2	21.8	21.8	21.9	21.9	21.9	21.9
: 0M > 0	17.4	21.7	22.3	22.4	22.5	22.6	22.6	22.7
TOTAL	1017	1266	1305	1311	1316	1318	1320	1325

TOTAL NUMBER OF OBS: 5941 PCT FREQ MM <5/8: 77.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
37.8	19.4	11.0	4.8	5.9	4.4	5.8	5.8	6.0 .5	6150

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1885-1979

AREA 001 CENTRAL PAJA WEST
26.4N 114.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	.0	*	.0	.0	.1	.1	.0	*	.2	
	TOT %	*	*	*	*	.0	.0	.1	.1	.0	*	.3	
1/2<1	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	.0	.0	*	*	.0	.0	.1	.0	*	.2	
	TOT %	*	.0	.0	*	*	.0	.0	.1	.0	*	.2	
1<2	PCP	.0	*	.0	.0	*	*	*	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	.0	.0	*	.2	.0	.0	.2	
	TOT %	*	*	.0	.0	*	*	*	.2	.0	.0	.3	
2<5	PCP	.0	*	*	*	*	*	.0	*	.0	.0	.1	
	NO PCP	.3	*	*	*	*	.1	.1	.6	.0	.1	1.2	
	TOT %	.3	.1	*	*	*	.1	.1	.6	.0	.1	1.4	
5<10	PCP	*	.1	*	*	*	*	.1	.1	.0	.0	.5	
	NO PCP	2.2	.3	.2	.1	.2	.3	1.2	7.5	.0	.3	12.2	
	TOT %	2.2	.4	.2	.2	.2	.3	1.2	7.6	.0	.3	12.7	
10+	PCP	*	*	*	*	*	.0	.1	.1	.0	.0	.3	
	NO PCP	18.2	2.3	1.1	1.0	.8	1.3	7.6	50.7	.0	1.9	84.9	
	TOT %	18.2	2.4	1.1	1.1	.9	1.3	7.7	50.8	.0	1.9	85.1	
	TOT OBS												7053
	TOT PCT	20.6	2.9	1.3	1.3	1.1	1.7	9.1	59.9	.0	2.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	.1	
	4-10	*	*	.0	.0	.0	.0	*	.1	.0		.2	
	11-21	.0	*	*	*	.0	.0	*	*	.0		.1	
	22+	*	.0	.0	*	.0	.0	.0	*	.0		*	
	TOT %	*	*	*	*	.0	.0	.1	.1	.0	*	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	.1	
	4-10	*	.0	.0	*	*	.0	*	.1	.0		.1	
	11-21	.0	.0	.0	.0	*	*	.0	*	.0		*	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	*	.0	.0	*	*	.0	.0	.1	.0	*	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	4-10	*	*	.0	.0	.0	*	*	.1	.0		.2	
	11-21	*	*	.0	.0	.0	.0	*	.1	.0		.1	
	22+	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	*	.0	.0	*	*	*	.2	.0	.0	.4	
2<5	0-3	*	*	*	.0	.0	*	*	.1	.0	.1	.2	
	4-10	.3	*	*	*	*	.1	.1	.4	.0		.4	
	11-21	.1	*	*	*	.0	*	*	.5	.0		.6	
	22+	*	*	.0	*	*	*	*	*	.0		.1	
	TOT %	.4	.1	*	*	*	.1	.2	1.0	.0	.1	1.4	
5<10	0-3	.1	*	*	.1	.1	*	.1	.2	.0	.4	1.1	
	4-10	1.0	.2	.1	*	.1	.2	.7	3.5	.0		5.8	
	11-21	1.0	.1	*	.1	*	*	.3	3.7	.0		5.5	
	22+	.1	.0	.0	.0	*	*	*	.2	.0		.3	
	TOT %	2.2	.4	.2	.2	.2	.3	1.2	7.6	.0	.4	12.6	
10+	0-3	.6	.2	.2	.2	.2	.3	.5	1.7	.0	1.9	5.8	
	4-10	8.6	1.5	.6	.6	.5	.7	4.6	20.5	.0		37.6	
	11-21	8.6	.6	.2	.2	.1	.2	2.3	26.9	.0		39.0	
	22+	.4	*	*	*	*	*	.2	1.6	.0		2.2	
	TOT %	18.1	2.3	1.0	1.0	.8	1.2	7.6	50.6	.0	1.9	84.6	
	TOT OBS												7394
	TOT PCT	20.6	2.8	1.3	1.3	1.1	1.7	9.1	59.6	.0	2.4	100.0	

OCTOBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1965-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,AM 24/81) AND OCCURRENCE OF AM <5/8 BY HOUR

HOUR (GMT)	0CL 149	150 299	300 599	60C 999	1000 1999	2000 3499	3500 4999	5000 6499	65C0 7999	8000+	TOTAL	AM <5/8 ANY HGT	TOTAL OBS
00E03	.2	.3	.6	4.2	5.6	3.3	1.1	.6	.3	.2	16.6	83.4	1526
06E09	.5	.1	.9	3.6	6.5	3.0	1.1	.7	.2	.2	16.2	83.8	1514
12E15	1.5	.1	1.4	5.7	10.0	5.2	2.4	.4	.2	.5	27.5	72.5	1375
18E21	.7	.1	1.5	5.3	11.3	5.7	1.6	.7	.4	.2	27.5	72.5	1644
TOT	45	10	66	284	506	261	95	70	16	14	1329	4730	6059
PCT	.7	.2	1.1	4.7	8.4	4.3	1.6	.5	.3	.3	21.9	78.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.3	.7	1.7	12.4	84.6	1822
06E09	.4	.2	.1	1.8	12.0	85.6	1877
12E15	.5	.3	.3	1.6	13.4	83.3	1903
18E21	.3	.2	.4	1.9	12.3	84.9	1995
TOT	24	16	28	134	950	6343	7497
PCT	.3	.2	.4	1.8	12.7	84.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,AM 24/81,BY HOUR

HOUR (GMT)	<150 <5OVC	<600 <1	<1000 <3	1000+ AND5+	AM <5/8 AND 5+	TOTAL OBS
00E03	.3	1.5	7.2	11.5	81.4	1467
06E09	.6	1.7	6.5	11.2	82.2	1453
12E15	1.6	3.4	10.1	19.0	70.9	1337
18E21	.7	2.4	9.2	20.1	70.7	1584
TOT	45	130	691	903	4057	5841
PCT	.8	2.2	8.2	15.4	76.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	*	.0	.0	.0	2	*
85/89	.0	.0	*	.2	.2	.2	.0	.0	36	.6
80/84	.0	*	.1	.4	.9	1.5	.7	.1	220	3.7
75/79	.0	*	.1	.9	2.3	6.2	5.7	1.7	1015	17.0
70/74	.0	*	.2	.4	5.3	12.2	14.6	8.4	2495	41.8
65/69	.0	.0	.0	.4	2.4	7.9	13.2	7.7	1869	31.3
60/64	.0	.0	*	.1	.5	.8	2.6	1.7	335	5.6
55/59	.0	.0	.0	.0	.0	*	*	.0	1	*
TOTAL	0	4	27	164	701	1727	2207	1152	5973	100.0
PCT	.0	.1	.5	2.8	11.7	28.8	36.9	19.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

%	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	*	*	*	.0	.0
.2	*	.0	*	*	.0	*	.2	.0	*
.5	.1	.1	.2	.1	.1	.5	1.9	.0	.2
3.2	.6	.2	.4	.3	.3	1.8	9.3	.0	.7
8.0	1.3	.6	.5	.4	.9	4.1	25.1	.0	.9
7.8	.8	.3	.2	.2	.3	2.2	19.1	.0	.5
1.4	.2	.2	*	*	*	.3	3.4	.0	.1
.0	.0	.0	.0	.0	.0	.0	*	.0	.0
21.2	2.9	1.4	1.2	1.1	1.7	8.9	59.1	.0	2.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	91	85	81	72	66	64	60	72.6	1470
06E09	85	79	76	70	64	62	60	69.9	1404
12E15	94	79	76	69	63	61	59	69.1	1269
18E21	91	84	81	72	66	63	59	72.6	7019
TOT	91	82	79	71	64	62	59	71.1	7662

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	5.2	15.1	35.0	33.3	11.4	77	1483
06E09	.0	1.2	7.5	21.4	43.2	26.7	83	1556
12E15	.0	1.2	7.0	20.3	43.1	28.4	83	1444
18E21	.0	5.3	17.3	38.2	28.3	10.9	76	1574
TOT	0	197	717	1747	2234	1166	80	6057

PERIOD: (PRIMARY) 1953-1979 AREA 001 CENTRAL BAJA WEST
(OVER-ALL) 1885-1979 TABLE 17 26.4N 114.4W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (=1/4+SLT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	<57 deg C	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	NO FOG
<17/25	.0	.0	.0	.0	.0	•	.0	.0	.0	1	.0	•
20/22	.0	.0	.0	.0	.0	•	.0	•	.0	5	.0	.1
17/19	.0	.0	.0	•	•	.0	.0	•	•	6	.0	.1
14/16	.0	.0	•	.0	•	•	.1	.1	•	14	.0	.2
11/13	.0	.0	.0	.1	.1	.1	.2	.1	•	42	•	.6
9/10	.0	.0	•	.1	.1	.2	.2	.1	•	65	.0	.9
7/8	.0	•	•	.2	.4	.4	.3	.2	.0	104	.0	1.6
6	.0	.0	•	.4	.4	.4	.2	•	.0	66	•	1.3
5	.0	.0	.1	.6	.6	.4	.2	•	.0	141	•	2.1
4	•	.0	.2	.9	1.3	.5	.2	.0	.0	271	.1	3.5
3	.0	•	.2	1.0	1.2	.7	.1	•	.0	218	•	3.3
2	.0	•	1.1	2.4	2.2	1.0	.2	.0	.0	441	.2	6.6
1	.0	.2	1.0	2.4	2.5	.6	.2	.0	.0	447	.1	7.1
0	.0	.4	2.2	3.6	2.7	1.0	.2	•	.0	682	.2	10.2
-1	•	.4	2.4	3.5	2.4	.9	.2	.0	.0	626	.2	9.5
-2	•	.3	3.2	4.4	2.2	.6	.1	.0	.0	727	.3	10.8
-3	•	.4	2.5	3.6	1.9	.4	•	.0	.0	543	.2	8.9
-4	•	.5	3.4	3.8	1.6	.4	•	.0	.0	691	.2	10.4
-5	•	.3	2.2	2.6	1.3	.2	.0	.0	.0	446	.1	6.9
-6	•	.5	1.6	2.1	.8	.1	.0	.0	.0	344	.1	5.2
-7/-8	•	.2	1.7	2.1	1.0	.1	.0	.0	.0	316	.1	5.5
-9/-10	•	.1	.8	.9	.3	.0	.0	.0	.0	144	.0	2.2
-11/-15	•	.1	.4	.3	.1	•	.0	.0	.0	63	•	.9
-16/-16	.0	.1	.1	•	.0	.0	.0	.0	.0	16	.0	.2
-17/-19	.0	•	•	•	.0	.0	.0	.0	.0	3	.0	•
-20/-22	.0	.0	•	.0	.0	.0	.0	.0	.0	1	.0	•
TOTAL	11	377	1527	2312	1519	591	153	37	4	6571	114	6417
PCT	.2	5.8	23.4	35.4	23.3	9.0	2.3	.6	.1	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1953-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.4	.2	.0	.0	.0	1.7
1-2	.3	4.9	2.4	.0	.0	.0	7.7
3-4	.1	2.9	4.9	.2	.0	.0	8.1
5-6	.0	.8	2.8	.3	.0	.0	3.9
7	.0	.2	.6	.2	.0	.0	1.0
8-9	.0	•	.1	.2	.0	.0	.4
10-11	.0	.0	•	.0	.0	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	10.3	11.1	.9	.0	.0	22.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	•	.0	.0	.0	.5
1-2	.1	1.1	.2	.0	.0	.0	1.4
3-4	.0	.4	.2	.0	.0	.0	.6
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.1	.7	.0	.0	.0	2.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.1
1-2	.1	.4	.0	.0	.0	.0	.6
3-4	•	.1	.1	.0	.0	.0	.3
5-6	.0	•	.0	•	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.6	.1	•	.0	.0	1.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	.1	.0	.0	.0	.0	.1
1-2	.1	.2	.0	.0	.0	.0	.4
3-4	•	.1	.1	.0	.0	.0	.2
5-6	.0	.1	.1	•	.0	.0	.2
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.1	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.5	.2	•	.0	.0	.9

OCTOBER

PERIOD: (OVER-ALL) 1967-1979 — DATA SET: CENTRAL BAJA WEST — 26.4N 114.4W

TABLE 18 (COUNT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	*	.0	.1	.2	.1	.0	.0	.0	.0	.3
1-2	.1	.1	.0	.0	.0	.0	.4	*	.5	.1	.0	.0	.0	.6
3-4	.0	.1	.1	.0	.0	.0	.1	.0	.1	.0	*	.0	.0	.2
5-6	.0	.1	.0	.0	.0	.0	.1	.0	*	.1	.0	.0	.0	.1
7	.0	*	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.4	.1	.0	.0	.0	.8	.2	.7	.2	*	.0	.0	1.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.4	.7	.0	.0	.0	.0	1.2	.3	3.2	.1	.0	.0	.0	3.6	
1-2	.1	2.6	.4	.0	.0	.0	3.6	.7	13.1	4.1	.0	.0	.0	18.0	
3-4	.0	1.3	1.0	.1	.0	.0	2.5	.1	7.8	12.4	.5	.0	.0	20.9	
5-6	.0	.4	.6	.1	.0	.0	1.1	.0	1.3	8.9	.7	.0	.0	10.9	
7	.0	.1	.1	*	.0	.0	.2	.0	.8	2.9	.4	.0	.0	4.2	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.4	.4	.1	.0	.0	.7	
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	5.4	2.3	.2	.0	.0	8.4	1.1	26.4	30.1	1.4	.0	.0	59.0	67.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.0	6.3	.3	.0	.0	.0	10.6	
1-2	1.7	23.4	8.3	.0	.0	.0	33.4	
3-4	.2	12.7	18.7	.4	.0	.0	32.0	
5-6	.0	2.8	12.7	1.1	.0	.0	16.6	
7	.0	1.2	3.6	.7	.0	.0	5.5	
8-9	.0	.2	.6	.3	.0	.0	1.1	
10-11	.0	.0	.2	.1	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1768
TOT PCT	6.0	46.5	44.5	2.9	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 — TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	2.6	14.7	18.8	9.8	2.3	.7	.3	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2628	1
6-7	.1	2.4	8.9	9.1	4.5	1.7	.6	.1	.1	*	*	.0	*	.0	.0	.0	.0	.0	.0	1836	5
8-9	*	.8	2.5	3.2	1.9	1.0	.4	.2	.2	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	551	6
10-11	.0	.5	1.1	.8	.9	.6	.2	*	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	219	5
12-13	.0	.0	.8	.4	.3	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	5
>13	.0	.0	.0	.4	.3	.2	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	7
INDET	2.2	1.3	1.4	1.0	.4	.1	.1	.0	.1	.0	.0	*	*	.0	.0	.0	.0	.0	.0	350	3
TOTAL	269	1044	1782	1313	561	217	77	26	20	6	5	1	2	0	0	0	0	0	0	5927	6
PCT	5.1	19.6	33.5	24.7	10.5	4.1	1.4	.5	.4	.1	.1	*	*	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1861-1976

AREA 061 CENTRAL BAJA WEST
26.3N 114.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.4	.1	.2	.0	.0	.0	.0	.6	.3	.1	1.2	.0	1.4		.1	96.3
NE	.8	.5	1.2	.0	.0	.0	.0	2.5	.9	.1	.6	.0	1.3		.0	95.0
E	.8	.4	1.4	.0	.0	.0	.0	3.0	1.4	.0	1.2	.4	2.4		.0	91.2
SE	2.1	2.1	1.3	.1	.0	.0	.0	5.6	1.1	1.1	2.1	.0	1.3		.0	88.9
S	1.1	.0	2.0	.0	.0	.0	.0	3.1	4.6	.0	2.5	.0	1.7		1.1	86.6
SW	1.6	.0	.0	.0	.0	.0	.0	1.6	.0	.0	2.4	.0	1.6		.0	94.4
W	.0	.5	.4	.0	.0	.0	.0	.7	.8	.0	1.5	.0	2.5		.0	94.5
NW	.1	.1	.2	.0	.0	.0	.0	.3	.2	.1	.6	.0	2.5		*	96.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.0	1.8	1.4	.4	4.4		.0	90.2
TOT PCT	.3	.2	.3	.0	.0	.0	.0	.7	.4	.2	1.0	*	2.2		*	95.5
TOT OBS:	4636															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.5	.1	.2	.0	.0	.0	.0	.9	.2	.2	1.3	.0	3.2		.1	94.1
06E09	.4	.1	.5	.0	.0	.0	.0	1.0	.5	.1	1.0	.0	2.2		.0	95.3
12E15	.0	.0	.2	.0	.0	.0	.0	.5	.4	.3	1.2	.1	1.2		.0	96.2
18E21	.2	.1	.2	.0	.0	.0	.0	.5	.4	.1	.8	.1	2.1		.1	96.0
TOT PCT	.3	.1	.3	.0	.0	.0	.0	.7	.4	.1	1.1	*	2.2		*	95.4
TOT OBS:	6718															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.5	12.9	11.4	.7	*	.0		26.7	11.0	21.2	20.9	24.1	23.3	28.7	35.8	31.6	26.2
NE	.4	3.5	1.5	.2	.1	.0		5.9	9.7	2.8	2.9	4.7	6.0	6.3	8.2	9.0	7.3
E	.1	.6	.3	*	*	.0		1.8	7.0	.5	.6	1.4	.5	2.0	.9	3.4	3.4
SE	.7	.9	.1	*	.0	.0		1.4	6.4	.9	1.9	1.3	1.2	1.8	.6	1.7	1.5
S	.2	.8	.2	.0	.0	.0		1.3	6.6	1.0	1.1	1.2	2.0	1.4	.5	1.4	.0
SW	.5	1.1	.2	.0	.0	.0		1.9	6.6	2.7	4.6	1.9	3.2	1.3	2.0	1.2	1.9
W	1.1	4.4	1.2	*	.0	.0		6.8	7.7	9.6	12.1	6.1	10.8	5.6	5.0	5.5	4.7
NW	2.3	24.8	22.0	1.7	*	.0		50.3	11.2	58.2	48.2	55.9	47.6	47.6	41.5	42.2	43.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.0							4.0	.0	3.2	7.6	3.5	4.7	5.0	5.5	3.6	3.9
TOT OBS	801	3555	2682	169	8	0	7215		10.1	163R	157	1586	187	1562	201	1651	233
TOT PCT	11.1	49.3	37.2	2.3	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.1	16.9	3.7	.1	.0		26.7	11.0	21.2	24.0	29.5	31.9
NE	2.1	3.2	.5	.1	.0		5.9	9.7	2.8	4.9	6.5	9.2
E	1.0	.8	*	*	.0		1.8	7.0	.5	1.3	1.9	3.4
SE	.9	.5	*	.0	.0		1.4	6.4	1.0	1.3	1.7	1.6
S	.7	.5	*	.0	.0		1.3	6.6	1.0	1.3	1.5	1.2
SW	1.0	.8	*	.0	.0		1.9	6.6	2.9	2.0	1.4	1.3
W	3.1	3.4	.3	.0	.0		6.8	7.7	9.7	6.6	5.5	5.4
NW	10.4	32.3	7.4	.1	*		50.3	11.2	57.3	55.0	47.0	42.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.0						4.0	.0	3.6	3.7	5.0	3.6
TOT OBS	2110	4219	859	26	1	7215		10.1	1795	1773	1763	1884
TOT PCT	29.2	58.5	11.9	.4	*		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1952-1974
(COVER-ALL) 1961-1974

TABLE 4

APER NO1 CENTRAL 80.8 WEST
76.3N 116.3W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00-03	3.6	6.4	44.4	46.6	1.7	.0	.0	10.6	100.0	1794
06-09	3.7	5.8	40.4	49.0	2.0	.2	.0	10.8	100.0	1777
12-15	5.0	7.7	50.8	34.5	2.0	.1	.0	9.8	100.0	17[illegible]
18-21	3.6	6.7	51.2	36.3	2.1	.1	.0	9.7	100.0	1806
TOT	296	515	3555	2682	169	8	0	10.1		7215
PCT	4.0	7.1	49.3	37.2	2.3	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	15.9	5.7	4.9	2.7		2.6
NE	3.5	.6	1.1	.4		2.5
E	1.0	.3	.4	.2		2.7
SE	.4	.2	.3	.4		4.0
S	.4	.2	.4	.1		3.4
SW	.8	.3	.5	.3		3.7
W	3.6	.9	1.5	.6		2.9
NW	27.4	9.4	11.0	4.2		2.9
VAR	.0	.0	.0	.0		.0
CALM	2.1	.4	.6	.4		2.6
TOT OBS	2944	807	1100	467	5318	2.8
TOT PCT	55.4	15.1	20.7	8.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >6/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3999	4000 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.1	.0	7.1	1.0	.4	.1	0	.2	21.0	
NE	0	.0	0	.0	.4	.1	.1	0	0	0	6.7	
E	.0	.0	0	.1	.1	0	0	.0	.0	.0	1.6	
SE	.0	.0	.0	.2	.2	0	0	.0	.0	.0	1.0	
S	0	.0	0	.1	.1	.1	0	.0	.0	.0	1.1	
SW	0	.0	0	.1	.2	.1	0	.0	.0	.0	1.3	
W	0	0	0	.0	.6	.0	.1	.1	0	0	4.1	
NW	.2	.1	.3	1.8	4.0	1.9	.8	.2	.2	.2	41.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.0	.2	.2	.1	.1	0	.0	.0	7.9	
TOT OBS	29	9	30	196	422	195	88	29	15	20	4299	5318
TOT PCT	.4	.2	.6	3.7	7.9	3.7	1.7	.4	.3	.4	80.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HM >6/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >50YD	: OR >0
: OR >6500	.6	.7	.7	.7	.7	.7	.7	.7
: OR >4000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
: OR >3500	2.5	2.6	2.8	2.8	2.8	2.8	2.8	2.8
: OR >2000	5.6	6.4	6.5	6.5	6.5	6.5	6.5	6.5
: OR >1000	13.1	14.3	14.4	14.4	14.4	14.4	14.4	14.4
: OR >600	16.2	17.9	18.0	18.1	18.1	18.1	18.1	18.1
: OR >300	16.6	18.3	18.5	18.6	18.6	18.6	18.6	18.6
: OR >150	16.7	18.5	18.7	18.8	18.8	18.8	18.8	18.8
: OR > 0	16.8	18.7	18.9	19.0	19.1	19.1	19.2	19.2
TOTAL	901	1001	1013	1019	1021	1022	1026	1027

TOTAL NUMBER OF OBS: 5354

PCT FREQ MM <5/8: 80.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
42.1	12.5	10.8	8.5	6.3	4.3	4.8	5.9	5.3	.2	5696

TABLE 5

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	•	.0	.0	•	•	
	4-10	•	.0	.0	.0	•	•	•	.1	.0		.1	
	11-21	•	.0	.0	.0	.0	.0	.0	•	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	•	•	•	.1	.0	•	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	•	.0	.0	.0	.0	.0	.0	•	.0		•	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	•	•	•	•	.0	.0	.0	.1	.0		.2	
	11-21	•	.0	.0	.0	.0	.0	.0	•	.0		.1	
	22+	.0	•	.0	.0	.0	.0	.0	.0	.0		•	
	TOT %	.1	•	•	•	.0	.0	.0	.2	.0	.0	.3	
2<5	0-3	•	.0	•	•	•	.0	.0	•	.0	.1	.2	
	4-10	.1	•	.0	•	.0	•	•	.1	.0		.3	
	11-21	.1	•	.0	.0	.0	.0	•	.1	.0		.2	
	22+	.0	•	.0	.0	.0	.0	.0	•	.0		•	
	TOT %	.2	.1	•	•	•	•	.1	.3	.0	.1	.8	
5<10	0-3	.2	.1	.1	•	.1	•	.2	.3	.0	.3	1.3	
	4-10	1.0	.3	.1	.1	.1	.1	.3	1.6	.0		3.6	
	11-21	.7	•	•	•	•	•	.1	1.7	.0		2.6	
	22+	.1	.1	•	•	.0	.0	.0	.1	.0		.2	
	TOT %	1.9	.5	.2	.2	.2	.2	.6	3.6	.0	.3	7.8	
10+	0-3	1.2	.4	.4	.2	.2	.5	1.0	2.0	.0	3.3	9.3	
	4-10	11.6	3.1	.9	.8	.7	1.0	3.9	22.6	.0		44.6	
	11-21	10.9	1.5	.3	.1	.2	.2	1.1	20.4	.0		34.6	
	22+	.7	.2	•	.0	.0	.0	.1	1.3	.0		2.2	
	TOT %	24.5	5.3	1.6	1.1	1.0	1.7	6.0	46.3	.0	3.3	90.8	
	TOT OBS												697#
	TOT PCT	26.6	5.8	1.8	1.4	1.3	1.9	6.7	50.5	.0	3.8	100.0	

PERIOD (APRIL-MAY) 1955-1974
(SEP-OCT) 1961-1974

AFB PCI (CENTRAL PA.) BEST
26.5N 119.3E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,00= 100'S) AND
OCCURRENCE OF 8/8 BY HOUR

HOUR (GMT)	<2/8 <600	2/8 600	3/8 1000	4/8 1800	5/8 2000	6/8 3500	7/8 5000	8/8 8500	8/8 9000+	TOTAL OBS	8/8 <5/8 ANY HGT	TOTAL OBS
00E03	.4	.1	.4	2.5	7.4	9.4	11.7	.1	.4	.4	17.6	81.6	1397
06E09	.5	.1	.5	3.7	8.2	11.8	11.2	.7	.1	.5	19.7	86.1	1411
12E15	.2	.2	.4	4.4	8.2	9.0	11.7	.4	.2	.7	21.0	80.0	1289
18E21	.5	.1	.6	4..	9.2	9.2	11.6	.5	.3	.7	21.7	78.9	1460
TOT	1%	0	1%	1%7	427	1%%	92	22	15	21	10.%	81.2%	5557
PCT	.4	.1	.5	3.1	7.7	9.6	11.7	.4	.2	.4	19.6	81.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NMI) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00E03	.4	.0	.2	.6	8.2	90..	1736
06E09	.2	.1	.5	.6	8.2	90.3	1757
12E15	.2	.0	.2	.2	8.1	90.7	1707
18E21	.2	.1	.3	.4	7.7	91.3	1858
TOT	17	.	22	73	571	6396	7061
PCT	.2	0	.3	.8	8.1	90.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NMI) AND/OR
CEILING HGT (FEET,00= 100'S),BY HOUR

HOUR (GMT)	<1SC <500'	<6CC <1	<10CC <2	10CC+ AND5+	NR <5/8 AND 5+	TOTAL OBS
00E03	.4	1.1	4.4	13.4	82.2	1396
06E09	.4	1.2	5.5	11.4	83.1	1757
12E15	.2	1.1	6.1	15.1	78.8	1229
18E21	.4	1.3	5.7	16.9	77.4	1427
TOT	22	66	294	767	4362	5354
PCT	.4	1.2	5.4	14.3	80.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	*	.1	*	.0	.0	9	.2
80/84	.0	*	.1	.7	.4	.1	.1	*	56	1.0
75/7%	.0	*	.1	.4	2.0	2.4	.9	.3	378	6.8
70/74	*	*	.4	2.1	5.6	15.8	9.3	2.9	1773	32.2
65/69	.0	.1	.4	2.5	6.1	17.2	14.5	6.4	2330	42.3
60/64	.0	*	.1	.8	2.8	4.4	5.4	2.9	909	16.5
55/59	.0	.0	*	*	.3	.1	.1	.2	49	.9
50/5%	.0	.0	.0	.0	*	.0	*	.0	2	.1
TOTAL	1	9	66	36%	1067	1672	1690	69%	5507	100.0
PCT	*	.2	1.2	6.5	19.3	30.4	30.7	12.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

%	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	.0	.0	*	.1	.0	.0
.3	.1	.0	.0	*	.0	.1	.4	.0	*
1.5	.4	.2	.2	.2	.2	.5	3.4	.0	.3
7.9	2.0	.7	.6	.6	.6	2.5	15.9	.0	1.4
12.3	2.0	.8	.7	.5	.8	2.6	21.5	.0	1.3
4.8	1.0	.1	.1	.1	.2	.6	9.1	.0	.4
.3	*	*	*	.0	*	.0	.4	.0	.1
*	.0	.0	.0	.0	.0	*	*	.0	.0
27.2	5.6	1.8	1.5	1.4	1.8	6.3	50.9	.0	3.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	50%	10%	MIN	MEAN	TOTAL OBS
00E03	8%	8%	7%	7C	63	61	55	69.4	1796
06E09	81	7%	77	67	61	5%	5%	67.4	1784
12E15	82	7%	73	67	61	5%	5%	66.9	1774
18E21	8%	8C	77	7C	63	6C	5%	69.8	1888
TOT	8%	8C	76	6%	62	5%	5%	6%.5	7246

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.1	9.2	23.1	33.5	26.3	7.9	74	1377
06E09	.0	6.6	17.2	26.7	35.6	17.9	78	1431
12E15	.0	4.9	13.9	25.5	37.5	18.1	79	1339
18E21	.0	11.4	23.1	35.4	23.4	6.7	73	1417
TOT	1	447	1020	1687	1706	703	76	5564

PERIOD: PRIMARY 1952-1979
COVER-ALL 1963-1979

AREA 551 CENTRAL KAJA WEST
20.3N 114.7E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRANCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA DIF	-11	-7	-1	4+	6+	7+	7+	#1	#5	TOT	#	#C
TMP DIF	5%	6%	6%	6%	7%	7%	6%	6%	8%		FOG	FOG
23/24	.0	.0	.0	.1	.1	.0	.0	•	.0	1	.0	•
20/22	.0	.0	.0	.0	.0	.0	.0	•	.0	1	.0	•
17/19	.0	.0	.0	.0	.0	.0	.0	•	•	1	.0	•
14/16	.0	.0	.0	•	•	•	•	.0	•	7(	.0	.1
11/13	.0	.0	.0	•	•	.2	.2	.0	.1	9(	.0	.7
9/10	.0	.0	.1	.1	.1	.2	.2	.1	•	9(	.0	.9
7/8	.1	•	.1	.1	.1	.1	.1	.1	•	9(	.0	1.0
5	.0	.0	.0	.1	.1	.1	.1	•	.0	8(	•	1.1
3	.1	.0	.1	.1	.1	.1	.1	•	.1	17(	•	.2
1	.0	.0	•	.1	1.5	.1	.1	•	.1	10(	.1	2.9
-1	.0	.0	.1	.1	1.3	.1	.1	•	.1	19(	.1	1.1
-3	.0	.0	.1	1.4	2.5	1.2	.1	.0	.0	13(	.1	1.8
-5	.0	.0	.1	1.4	2.4	1.4	.1	.0	.0	9(	.1	6.2
-7	.0	•	.1	2.0	2.4	1.4	.1	•	.1	7(	.1	11.4
-9	.0	.1	1.1	4.0	3.4	1.4	.1	.0	.0	5(	.1	5.2
-11	.0	.1	1.1	3.4	3.4	1.1	.1	.0	.0	3(	.1	12.5
-13	•	.1	2.1	4.4	4.2	1.1	.1	.0	.0	2(	.1	9.7
-15	.0	.2	1.7	3.7	1.1	.7	•	•	.0	1(	.1	4.8
-17	.0	.1	2.2	2.5	.9	.5	.0	.0	.0	4(	.1	6.0
-19	.0	.1	1.4	1.2	2.1	.1	.0	.0	.0	2(	•	1.8
-21	.0	.1	1.4	2.0	1.1	.1	•	.0	.0	2(	•	4.0
-23/-0	•	.1	1.7	2.8	1.1	.2	•	.1	.0	1(	•	2.4
-9/-10	•	.2	.7	1.0	.5	•	.0	.0	.0	1(	•	2.4
11/-13	•	•	.4	.4	.1	•	.0	.0	.0	4(	.0	1.1
-15/-16	.0	•	.1	.1	.0	.0	.0	.0	.0	1(	•	.2
-17/-19	.0	•	•	•	.0	.0	.0	.0	.0	1(	.0	.1
TOTAL	5		9+9		19+6		177		1+		6+	4+6?
		17%		20+6		74%		6%		61?%		
PCT	.1	2.2	1?.4	33.8	?1..	12.?	2.9	.?	.2	100.?	1.1	9?.9

PERIOD: COVER-ALL 1963-1979

TABLE 1A

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.4	.3	.0	.0	.0	2.1
1-2	.4	6.2	2.4	.0	.0	.0	9.1
3-4	.2	3.1	5.6	.2	.0	.0	9.1
5-6	•	1.0	4.7	.1	.0	.0	5.9
7	.0	.1	.4	.1	.0	.0	.4
8-9	.0	.0	.2	.1	.1	.1	.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.7	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	12.0	17.4	.7	.0	.0	27.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	.4	1.6	.7	.0	.0	.0	2.2
3-4	.6	1.4	.6	.1	.0	.0	2.0
5-6	.6	.1	.1	.1	.0	.0	.4
7	.0	.0	.1	.0	.1	.0	.1
8-9	.0	.0	•	•	.0	.0	•
10-11	.0	.0	.0	.0	.1	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.2	.9	.1	.0	.0	1.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.1	.2	.2	.0	.0	.0	.6
3-4	.0	.3	.1	.0	.0	.0	.4
5-6	.0	•	.1	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.8	.4	.0	.0	.0	1.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	•	.5	.1	.0	.0	.0	.6
3-4	.1	.3	.1	.0	.0	.0	.4
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.2	.3	.1	.0	.0	1.8

PERIOD: (OVER-ALL) 1963-1979

DECEMBER

AREA 001 CENTRAL BAJA WEST
26.4N 114.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.1	.3	.0	.0	.0	.0	.3
3-4	.1	.1	.2	.0	.0	.0	.4
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.6	.3	.0	.0	.0	1.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	.0	.6	.2	.0	.0	.0	.8
3-4	.0	•	.5	.0	.0	.0	.5
5-6	.0	.0	•	.0	.0	.0	•
7	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	•	.0	.0	.0	•
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.3	.8	.0	.0	.0	2.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	.0	.0	.0	.0	1.5
1-2	.1	2.6	.7	.0	.0	.0	2.7
3-4	.0	1.6	1.2	.1	.0	.0	2.3
5-6	.0	.2	.9	.1	.0	.0	1.2
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.8	3.0	.2	.0	.0	8.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	3.2	.0	.0	.0	.0	3.8
1-2	.7	9.3	3.7	.0	.0	.0	13.7
3-4	.0	5.7	7.9	.2	.0	.0	13.8
5-6	.1	1.5	4.6	.7	.0	.0	6.8
7	.0	.2	1.9	.4	.0	.0	2.5
8-9	.0	.1	.5	.1	.0	.0	.8
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	20.1	18.7	1.5	.0	.0	41.8

HGT	TOTAL PCT
<1	
1-2	
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	96.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.2	8.3	.1	.0	.0	.0	13.6	
1-2	2.3	23.9	8.1	.0	.0	.0	34.3	
3-4	.2	12.1	17.9	.7	.0	.0	30.9	
5-6	.1	2.9	9.5	1.8	.0	.0	14.2	
7	.0	.5	2.9	.9	.0	.0	4.3	
8-9	.0	.3	1.0	.4	.0	.0	1.7	
10-11	.0	.0	.4	.1	.1	.0	.6	
12	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.8	48.2	40.0	3.9	.1	.0	100.0	1477

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.4	17.5	19.0	7.7	2.6	1.0	.3	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	2386	3
6-7	•	2.4	7.5	6.7	2.9	1.4	.6	•	.2	•	•	.0	.0	.0	.0	.0	.0	.0	.0	987	5
8-9	•	.7	1.9	2.9	2.0	1.1	.5	.1	.2	•	.0	.0	•	.0	.0	.0	.0	.0	.0	430	6
10-11	.0	.5	.6	.6	.7	.4	.2	.1	.1	•	.0	•	.0	.0	.0	.0	.0	.0	.0	144	6
12-13	.0	.0	.3	.6	.6	.2	.1	•	.2	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	113	6
>13	.0	.0	.0	.4	.3	.1	.1	.0	.1	.0	•	•	•	.0	.0	.0	.0	.0	.0	48	9
INDET	4.7	1.4	1.5	.7	.4	.2	.1	.1	•	.0	.0	.0	•	.0	.0	.0	.0	.0	.0	418	2
TOTAL	412	1016	1418	886	433	192	85	24	45	6	3	2	4	0	0	0	0	0	0	4526	•
PCT	9.1	22.4	31.3	19.6	9.6	4.2	1.9	.5	1.0	.1	.1	•	.1	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1951-1979 AREA 001 (CENTRAL MAUI WEST
(OVER-ALL) 1950-1979 TABLE 1 20.4N 114.3W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY DUST SNOW	NO SIG WEA
N	.4	.1	.2	.0	.0	.0	.0	.6	.2	.1	.5	.1	1.5		.1	96.4
NE	1.0	.1	.3	.0	.0	.0	.0	1.4	.8	.0	.2	.0	.6		.0	96.6
E	.5	1.3	1.5	.0	.0	.0	.0	3.3	1.0	.0	.5	.4	.9		.0	92.9
SE	4.0	1.8	2.0	.0	.0	.0	.0	7.7	3.1	.0	1.8	.2	.9		.0	86.3
S	4.5	3.0	1.6	.0	.0	.0	.0	7.4	1.7	.0	1.7	2.0	1.0		.0	86.1
SW	2.7	.8	2.0	.0	.0	.0	.0	5.2	2.7	.2	1.0	.0	1.0		.0	88.6
W	2.1	.6	.8	.0	.0	.0	.0	3.2	1.0	.5	.6	.2	.6		.0	93.6
NW	.5	.1	.2	.0	.0	.0	.0	.8	.4	.1	.6	.1	1.5		*	96.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0		.0	.0
CALM	.0	.0	1.5	.0	.0	.0	.0	1.5	.4	.0	1.2	.0	1.9		.0	95.1
TOT PCT	.7	.3	.4	.0	.0	.0	.0	1.4	.6	.1	.7	.1	1.4		*	95.7
TOT OBS:	6022															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY DUST SNOW	NO SIG WEA
00E03	.5	.3	.3	.0	.0	.0	.0	1.0	.6	.0	.8	.1	1.9		.1	95.6
06E09	1.0	.2	.2	.0	.0	.0	.0	1.3	.6	.3	.7	.1	1.5		.1	95.4
12E15	.8	.2	.8	.0	.0	.0	.0	1.6	.5	.1	.8	.1	.8		.0	96.2
18E21	.8	.4	.6	.0	.0	.0	.0	1.7	.6	.0	.7	.2	1.5		.0	95.3
TOT PCT	.6	.3	.5	.0	.0	.0	.0	1.4	.6	.1	.7	.1	1.4		*	95.6
TOT OBS:	6112															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.4	13.8	11.6	1.1	*	.0		28.0	11.2	29.6	27.8	26.9	29.9	29.8	30.8	29.8	27.5
NE	.6	5.1	3.6	.6	*	.0		9.9	11.1	5.9	5.3	8.0	10.9	10.8	12.0	14.1	14.1
E	.4	2.0	.8	*	.0	.0		3.3	8.4	1.4	1.5	2.9	3.6	5.8	2.0	4.1	6.8
SE	.6	1.0	.4	*	.0	.0		2.0	7.2	1.7	1.2	1.7	1.1	1.7	3.5	2.1	4.1
S	.3	1.1	.3	*	.0	.0		1.8	7.8	1.7	.0	1.8	2.6	1.4	1.2	2.0	1.4
SW	.2	1.4	.5	.0	.0	.0		2.2	8.6	2.1	1.9	2.0	2.9	1.9	1.7	1.9	2.5
W	.5	4.1	1.7	.1	.0	.0		6.4	9.0	7.1	6.3	7.1	9.5	5.2	5.6	6.1	4.5
NW	2.2	21.0	17.4	1.1	*	.0		42.0	10.9	49.6	43.5	45.1	39.1	40.3	38.0	35.5	29.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5							4.5	.0	5.5	5.6	4.5	4.4	5.1	2.3	3.8	4.4
TOT OBS	709	3242	2382	207	6	0	6546		10.1	1462	108	1510	137	1431	171	1546	183
TOT PCT	10.8	49.5	36.4	3.2	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.4	17.1	4.2	.2	.0		28.0	11.2	24.8	26.8	29.6	30.2
NE	2.6	5.6	1.5	.2	.0		9.9	11.1	5.8	8.3	10.6	14.3
E	1.4	1.7	.2	.0	.0		3.3	8.4	1.4	3.0	3.6	6.4
SE	1.1	.8	.1	.0	.0		2.0	7.2	1.9	1.7	1.9	2.5
S	.8	.8	.1	.0	.0		1.8	7.8	1.6	1.8	1.6	2.1
SW	.9	1.1	.2	.0	.0		2.2	8.6	2.4	2.1	2.2	1.9
W	2.5	3.4	.5	*	.0		6.4	9.0	7.1	7.3	5.2	6.1
NW	9.8	26.4	5.6	.3	.0		42.0	10.9	49.0	44.6	40.0	35.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.5						4.5	.0	4.5	4.5	4.8	3.5
TOT OBS	1970	3721	812	43	0	6546		10.1	1570	1647	1802	1727
TOT PCT	30.1	56.8	12.4	.7	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.1	4.4	38.4	50.2	4.7	.1	*	12.0	100.0	22157
06&09	2.7	4.4	40.6	48.2	4.0	.1	*	11.7	100.0	22840
12&15	4.0	5.2	46.3	41.7	2.8	*	.0	10.6	100.0	21938
18&21	3.5	6.4	46.0	41.1	2.9	.1	*	10.6	100.0	23911
TOT								11.2		90848
PCT	3.1	5.1	42.9	45.2	3.6	.1	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.8	2.7	4.6	2.7		3.5
NE	1.6	.5	.7	.5		3.6
E	.6	.2	.4	.2		3.9
SE	.4	.2	.7	.3		4.4
S	.4	.2	.7	.3		4.4
SW	.6	.3	.6	.4		4.4
W	4.2	1.4	3.1	1.6		3.6
NW	28.9	8.8	12.9	4.2		3.2
VAR	.0	.0	.0	.0		.0
CALM	1.5	.9	.6	.4		3.4
TOT OBS					67668	3.3
TOT PCT	48.3	14.6	22.3	14.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	*	.2	1.1	2.2	1.1	.4	.1	.1	.1	19.3	
NE	*	*	*	.1	.7	.2	.1	*	*	*	7.8	
E	*	*	*	.1	.1	.1	*	*	*	*	1.0	
SE	*	*	*	.1	.1	.1	*	*	*	*	.8	
S	*	*	*	.1	.2	.1	*	*	*	*	.8	
SW	*	*	*	.2	.2	.1	*	*	*	*	1.0	
W	.2	*	.1	.6	1.1	.5	.2	.1	*	*	6.5	
NW	.5	.2	.7	3.5	6.1	2.9	1.2	.4	.2	.2	42.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	*	*	.2	.3	.1	.1	*	*	*	2.1	
TOT OBS												67668
TOT PCT	1.0	.3	1.2	6.0	10.5	5.1	2.1	.7	.4	.4	72.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	.7	.8	.8	.8	.8	.8	.8	.8
: OR >5000	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >3500	3.1	3.6	3.7	3.7	3.7	3.7	3.7	3.7
: OR >2000	7.4	8.7	8.6	8.8	8.8	8.8	8.8	8.8
: OR >1000	16.1	18.9	19.2	19.2	19.2	19.2	19.2	19.2
: OR >600	20.6	24.8	25.2	25.3	25.3	25.3	25.3	25.3
: OR >300	21.3	25.9	26.4	26.5	26.5	26.5	26.5	26.5
: OR >150	21.4	26.2	26.7	26.8	26.8	26.6	26.8	26.8
: OR > 0	21.7	26.7	27.3	27.5	27.8	27.7	27.8	27.8

TOTAL NUMBER OF OBS: 68264

PCT FREQ NH <5/8: 72.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
35.5	12.2	10.3	7.8	5.8	4.5	5.8	6.6	10.8	.7	71981

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	.0	.0	.0	*	*	.0	.0	*	
	NO PCP	*	*	*	*	*	*	.1	.1	.0	.1	.4	
	TOT %	*	*	*	*	*	*	.1	.1	.0	.1	.4	
1/2<1	PCP	*	.0	.0	*	*	*	*	*	.0	.0	*	
	NO PCP	*	*	*	*	*	*	*	.1	.0	*	.2	
	TOT %	*	*	*	*	*	*	*	.1	.0	*	.2	
1<2	PCP	*	*	*	*	*	*	*	*	.0	.0	*	
	NO PCP	*	*	*	*	*	*	*	.1	.0	*	.2	
	TOT %	*	*	*	*	*	*	*	.1	.0	*	.3	
2<5	PCP	*	*	*	*	*	*	*	*	.0	*	.1	
	NO PCP	.1	*	*	*	*	*	.1	.6	.0	.1	1.1	
	TOT %	.1	*	*	*	*	*	.1	.6	.0	.1	1.1	
5<10	PCP	*	*	*	*	*	*	*	.1	.0	*	.3	
	NO PCP	1.9	.3	.2	.2	.2	.3	1.3	7.4	.0	.5	12.3	
	TOT %	2.0	.3	.2	.2	.2	.3	1.4	7.5	.0	.5	12.6	
10+	PCP	*	*	*	*	*	*	*	.1	.0	*	.3	
	NO PCP	17.2	3.1	1.2	1.0	1.0	1.3	7.7	50.4	.0	2.2	85.2	
	TOT %	17.3	3.1	1.2	1.0	1.0	1.3	7.8	50.5	.0	2.2	85.5	
	TOT OBS												83453
	TOT PCT	19.5	3.5	1.4	1.3	1.3	1.7	9.4	58.9	.0	2.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	*	*	*	*	*	*	*	.0	.1	.1	
	4-10	*	*	*	*	*	*	.1	.1	.0		.2	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	.0	*	*	.0	.0	.0	*	.0		*	
	TOT %	*	*	*	*	*	*	.1	.2	.0	.1	.5	
1/2<1	0-3	*	.0	*	*	*	*	*	*	.0	*	.1	
	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	.0	.0	*	*	*	*	*	.0		*	
	22+	*	.0	.0	*	.0	.0	.0	*	.0		*	
	TOT %	*	*	*	*	*	*	*	.1	.0	*	.2	
1<2	0-3	*	*	*	*	*	*	*	*	.0	*	.1	
	4-10	*	*	*	*	*	*	*	.1	.0		.2	
	11-21	*	*	*	*	*	*	*	.1	.0		.1	
	22+	.0	*	*	*	*	.0	.0	*	.0		*	
	TOT %	*	*	*	*	*	*	*	.2	.0	*	.3	
2<5	0-3	*	*	*	*	*	*	*	*	.0	.1	.2	
	4-10	.1	*	*	*	*	*	*	.4	.0		.6	
	11-21	.1	*	*	*	*	*	*	.6	.0		.6	
	22+	*	*	*	*	*	*	*	*	.0		*	
	TOT %	.2	*	*	*	*	*	.1	.2	.9	.0	.1	1.6
5<10	0-3	.1	*	*	.1	.1	.1	.1	.3	.0	.5	1.3	
	4-10	.8	.2	.1	.1	.1	.2	.8	3.0	.0		5.3	
	11-21	.9	.1	*	*	*	.1	.4	3.8	.0		5.4	
	22+	.1	*	*	*	*	*	*	.3	.0		.5	
	TOT %	1.9	.3	.2	.2	.2	.3	1.4	7.4	.0	.5	12.5	
10+	0-3	.7	.2	.2	.2	.2	.2	.7	1.5	.0	2.2	6.3	
	4-10	7.4	1.8	.7	.6	.6	.9	4.5	19.6	.0		36.1	
	11-21	8.3	1.0	.2	.2	.1	.2	2.4	26.9	.0		39.4	
	22+	.7	.1	*	*	*	*	.1	2.1	.0		3.1	
	TOT %	17.2	3.2	1.2	1.0	1.0	1.3	7.7	50.2	.0	2.2	84.9	
	TOT OBS												87504
	TOT PCT	19.4	3.6	1.4	1.3	1.3	1.7	9.4	58.9	.0	3.0	100.0	

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PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00E03	.6	.3	.7	4.5	8.0	4.2	1.9	.7	.5	.5	21.7	78.3	18045
06E09	1.0	.2	1.0	4.4	8.1	3.7	1.5	.5	.3	.3	21.0	79.0	17457
12E15	1.6	.4	1.8	8.0	12.7	5.6	2.2	.5	.3	.5	33.5	66.5	16193
18E21	1.0	.4	1.3	6.7	12.0	6.3	2.7	.9	.5	.4	32.3	67.7	18865
TOT													70560
PCT	1.0	.3	1.2	5.4	10.2	5.0	2.1	.7	.4	.4	27.1	72.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.1	.3	1.3	12.3	85.8	21595
06E09	.4	.1	.2	1.3	11.8	86.1	21872
12E15	.7	.2	.4	1.9	13.3	83.5	21421
18E21	.6	.2	.4	2.0	12.6	84.2	23670
TOT							88558
PCT	.5	.2	.4	1.6	12.5	84.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00E03	.6	1.6	7.0	15.9	77.0	17462
06E09	1.0	2.3	7.6	14.6	77.8	16881
12E15	1.6	4.0	13.1	22.0	64.9	15674
18E21	1.0	2.9	10.7	23.1	66.2	18247
TOT						68264
PCT	1.0	2.7	9.6	18.9	71.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	*	.0	*	*	.0	*	.0		*
85/89	*	*	*	*	.1	.1	*	*		.2
80/84	*	*	*	.1	.3	.6	.3	.1		1.5
75/79	.0	*	.1	.3	.8	2.5	2.3	1.0		6.9
70/74	*	*	.2	.7	2.5	5.0	7.1	4.2		19.7
65/69	*	*	.3	1.2	3.4	7.4	10.4	6.1		28.2
60/64	.0	*	.2	1.2	4.5	8.8	13.0	5.9		33.6
55/59	.0	.0	.1	.3	.8	2.1	3.6	1.8		8.7
50/54	.0	.0	*	*	*	*	*	*		.2
TOTAL									69927	100.0
PCT	*	.1	.8	3.9	12.4	26.4	37.1	19.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	*	*	*	*	.0	*
*	*	*	*	*	*	*	.1	.0	*
.2	*	*	.1	.1	*	.2	.7	.0	.1
1.0	.2	.2	.2	.2	.2	.9	3.7	.0	.3
3.6	.7	.3	.3	.3	.4	2.2	11.2	.0	.8
6.1	1.1	.4	.4	.3	.5	2.7	16.8	.0	.9
6.8	1.1	.4	.2	.3	.5	2.7	20.7	.0	.8
2.0	.3	.1	*	*	.1	.5	5.5	.0	.1
.1	*	*	*	*	.0	*	.1	.0	*
19.8	3.5	1.4	1.2	1.3	1.7	9.2	58.9	.0	3.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	93	80	76	64	52	50	50	64.3	22129
06E09	91	77	71	65	60	58	49	65.2	22180
12E15	87	73	70	64	59	57	50	64.5	22131
18E21	92	78	75	67	61	59	48	67.8	21982
TOT	93	77	74	66	60	58	48	66.5	88422

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	*	6.5	16.0	31.4	34.5	11.5	77	17483
06E09	*	2.8	8.1	20.2	42.0	26.9	83	17900
12E15	*	3.3	8.4	20.3	39.9	28.0	83	17017
18E21	*	6.8	16.9	33.1	32.2	11.1	77	18300
TOT	12	3229	8488	18596	26598	13697	80	70700

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TABLE 17

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	•	•	.0	•	4	.0	•
20/22	.0	.0	.0	.0	.0	.0	•	•	•	•	•	•	29	.0	•
17/19	.0	.0	.0	.0	.0	•	•	•	•	•	•	•	82	•	.1
14/16	.0	.0	.0	.0	•	•	•	.1	.1	.1	•	•	280	•	.4
11/13	.0	.0	.0	•	•	.1	.2	.3	.2	.1	•	•	710	•	.9
9/10	.0	.0	.0	•	.1	.2	.4	.3	.2	.1	•	•	1008	•	1.3
7/8	.0	.0	•	•	.2	.6	.8	.5	.3	.1	•	•	1993	•	2.5
6	.0	.0	.0	•	.2	.5	.5	.4	.2	.1	•	•	1699	•	1.9
5	.0	.0	•	•	.4	1.0	.8	.5	.3	.1	•	.0	2437	.1	3.0
4	.0	.0	•	.1	.9	1.4	1.0	.6	.4	.1	•	•	3485	.1	4.3
3	.0	.0	•	.1	.9	1.5	.9	.6	.2	.1	•	.0	3479	.1	4.4
2	.0	.0	•	.4	2.2	2.1	1.5	.9	.4	.1	•	.0	5916	.2	7.4
1	.0	.0	•	.6	2.4	2.2	1.4	.9	.3	.1	•	.0	6129	.1	7.7
0	.0	•	.1	1.4	4.5	3.2	2.2	1.2	.4	•	•	.0	10017	.3	12.6
-1	.0	.0	.1	1.6	3.5	2.4	1.7	.8	.2	•	•	.0	8027	.2	10.2
-2	.0	•	.1	2.2	4.0	2.6	1.8	.8	.2	•	.0	.0	9093	.2	11.6
-3	.0	.0	.1	1.8	2.7	1.8	1.4	.5	.1	•	.0	.0	6480	.1	8.3
-4	.0	•	.2	1.8	2.2	1.6	1.2	.5	.1	•	•	.0	5765	.1	7.4
-5	.0	•	.1	1.2	1.5	1.3	.8	.3	.1	•	.0	.0	4036	.1	5.3
-6	.0	•	.2	.7	.9	.7	.6	.2	•	•	.0	.0	2531	.1	3.3
-7/-8	.0	•	.2	.7	1.0	.8	.5	.2	•	.0	.0	.0	2616	.1	3.5
-9/-10	.0	•	.1	.3	.3	.3	.2	.1	•	.0	.0	.0	978	•	1.3
-11/-13	.0	•	•	.1	.2	.1	.1	•	•	.0	.0	.0	429	•	.6
-14/-16	•	•	•	•	.1	•	•	•	.0	.0	.0	.0	122	•	.2
-17/-19	.0	•	•	•	•	•	•	.0	.0	.0	.0	.0	33	.0	•
-20/-22	.0	.0	•	•	•	•	.0	.0	.0	.0	.0	.0	8	.0	•
TOTAL													77164		
PCT	•	.1	1.2	13.2	28.1	24.5	18.1	9.9	3.8	1.0	.2	•	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	.1	•	.0	.0	1.3
1-2	.7	4.6	2.2	.0	.0	.0	7.0
3-4	.1	2.6	4.4	.2	.0	.0	7.2
5-6	•	.6	3.0	.3	.0	.0	3.8
7	.0	.1	.9	.2	.0	.0	1.3
8-9	.0	•	.2	.1	•	.0	.3
10-11	.0	.0	.1	•	•	.0	.1
12	.0	.0	•	•	•	.0	•
13-16	.0	.0	•	•	.0	.0	•
17-19	.0	.0	.0	•	.0	.0	•
20-22	.0	.0	.0	.0	.0	.0	•
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	9.0	10.8	.9	•	.0	21.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	•	.0	.0	.0	.4
1-2	.1	1.0	.3	.0	.0	.0	1.4
3-4	•	.5	.6	•	.0	.0	1.1
5-6	.0	.1	.4	.1	.0	.0	.5
7	.0	•	.1	•	•	.0	.1
8-9	.0	•	•	•	•	.0	.1
10-11	.0	.0	•	•	•	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.9	1.4	.2	•	.0	3.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	•	.2	.1	•	.0	.0	.3
5-6	.0	•	.1	•	.0	.0	.1
7	.0	•	•	•	.0	.0	•
8-9	.0	•	•	•	.0	.0	•
10-11	.0	.0	•	•	.0	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.3	•	•	.0	1.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	•	.0	.0	.0	.2
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	•	.1	.2	•	.0	.0	.3
5-6	.0	•	.1	•	.0	.0	.1
7	.0	•	•	•	.0	.0	•
8-9	.0	•	•	•	.0	.0	•
10-11	.0	.0	•	•	.0	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.4	.3	•	.0	.0	.9

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TABLE 18 (CONT)

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	•	.0	.0	.0	.2
1-2	.1	.3	•	.0	.0	.0	.4
3-4	•	.2	.1	•	.0	.0	.3
5-6	.0	•	•	•	.0	.0	.1
7	.0	.0	•	•	.0	.0	.1
8-9	.0	•	•	•	.0	.0	•
10-11	.0	.0	.0	.0	.0	.0	•
12	.0	.0	.0	.0	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.2	•	•	.0	1.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	•	.0	.0	.0	.4
1-2	.1	.5	.1	.0	.0	.0	.7
3-4	•	.2	.1	•	.0	.0	.3
5-6	.0	•	.1	•	.0	.0	.1
7	.0	•	•	•	.0	.0	•
8-9	.0	.0	•	.0	.0	.0	•
10-11	.0	.0	•	•	.0	.0	•
12	.0	.0	•	•	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.9	•	.0	.0	.0	1.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	•	.0	.0	.0	1.3
1-2	.2	2.4	.7	.0	.0	.0	3.3
3-4	.1	1.3	1.2	•	.0	.0	2.6
5-6	.0	.2	.7	•	.0	.0	1.0
7	.0	•	.7	•	.0	.0	.7
8-9	.0	.0	.1	•	.0	.0	.1
10-11	.0	.0	•	•	.0	.0	•
12	.0	.0	•	.0	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.9	3.0	.1	•	.0	8.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.4	.1	.0	.0	.0	3.1
1-2	.7	10.9	5.8	.0	.0	.0	17.4
3-4	.2	7.0	13.4	.4	.0	.0	20.9
5-6	•	1.4	9.2	.7	•	.0	11.4
7	.0	.3	3.2	.7	.0	.0	4.2
8-9	.0	.1	.7	.3	•	.0	1.1
10-11	.0	.0	.2	.2	.0	.0	.5
12	.0	.0	•	•	•	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	22.2	32.6	2.4	•	.0	58.7

HGT	TOTAL PCT
<1	
1-2	
3-4	17.4
5-6	20.9
7	11.4
8-9	4.2
10-11	1.1
12	.5
13-16	.1
17-19	.1
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	97.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.5	5.4	.3	•	.0	.0	10.1	
1-2	1.8	20.3	9.2	.0	.0	.0	31.3	
3-4	.4	11.9	20.0	.7	.0	.0	33.0	
5-6	.1	2.4	13.4	1.1	•	.0	17.0	
7	.0	.5	4.4	1.0	•	.0	5.9	
8-9	.0	.1	1.0	.5	•	.0	1.7	
10-11	.0	.0	.3	.3	•	.0	.6	
12	.0	.0	.1	•	•	.0	.1	
13-16	.0	.0	.1	•	•	.0	.1	
17-19	.0	.0	.0	•	•	.0	.1	
20-22	.0	.0	.0	.0	•	.0	•	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.8	40.8	48.7	3.7	.1	.0	100.0	19285

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.0	14.7	18.7	9.4	3.0	1.1	.4	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	51324	1
6-7	.1	2.0	7.9	8.4	4.0	1.7	.7	.2	.2	•	•	•	•	•	.0	.0	.0	.0	.0	15804	5
8-9	•	.7	2.2	3.0	2.2	1.2	.5	.2	.2	•	•	•	•	•	.0	.0	.0	.0	.0	6385	6
10-11	.0	.5	.8	.6	.7	.5	.3	.1	.1	•	•	•	•	•	.0	.0	.0	.0	.0	2402	6
12-13	.0	.0	.4	.4	.4	.2	.1	•	.1	•	•	•	•	•	.0	.0	.0	.0	.0	1125	6
>13	.0	.0	.0	.4	.3	.1	.1	•	•	•	•	•	.0	•	.0	.0	.0	.0	.0	4564	7
INDET	3.0	1.3	1.4	.9	.5	.2	.1	•	•	•	•	•	•	.0	.0	.0	.0	.0	.0	606	7
TOTAL PCT	6.1	19.1	31.6	23.4	11.0	5.0	2.2	.7	.6	.1	.1	•	•	•	.0	.0	.0	.0	.0	62212	4
																				100.0	

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.2	.1	.2	.0	.0	.0	.0	.5	.1	.1	1.2	.1	2.8	.1		95.0
NE	1.0	.2	.9	.0	.0	.0	.1	2.1	.4	.2	1.0	.1	2.4	.0		93.6
E	1.0	.5	1.1	.0	.0	.0	.0	2.6	2.0	.4	1.7	.7	4.3	.1		86.2
SE	1.6	.9	1.2	.0	.0	.0	.1	3.5	1.3	.3	5.4	.3	4.6	.1		84.6
S	1.7	1.0	1.4	.0	.0	.0	.1	4.0	1.6	.4	5.6	.4	3.7	.1		83.6
SW	1.2	.5	1.0	.0	.0	.0	.0	2.5	1.7	.2	4.0	.2	4.4	.1		87.4
W	.5	.3	.4	.0	.0	.0	.0	1.2	.4	.2	2.6	.2	4.5	.0		90.2
NW	.1	.1	.2	.0	.0	.0	*	.4	.2	.1	1.6	.1	4.3	.1		93.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0
CALM	.3	.0	.6	.0	.0	.0	.0	.8	.5	.4	8.0	.3	7.4	.0		82.6
TOT PCT	.3	.1	.3	.0	.0	.0	*	.7	.4	.1	1.9	.1	4.2	.1		92.6
TOT OBS: 87668																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.3	.1	.2	.0	.0	.0	.0	.6	.1	*	1.4	.1	5.6	.1		91.6
06E09	.3	.1	.3	.0	.0	.0	*	.7	.3	.2	1.6	*	3.1	.1		93.9
12E15	.3	.1	.4	.0	.0	.0	*	.8	.4	.3	2.2	.1	3.0	*		93.2
18E21	.3	.2	.3	.0	.0	.0	*	.7	.4	*	2.6	.2	4.5	.1		91.6
TOT PCT	.3	.1	.3	.0	.0	.0	*	.7	.4	.1	2.0	.1	4.2	.1		92.5
TOT OBS: 64694																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	8.4	9.3	.7	*	*		19.3	11.9	15.2	17.0	17.9	15.3	21.1	23.0	22.7	22.6
NE	.7	2.0	1.1	.1	*	.0		3.6	9.5	2.0	2.3	2.8	3.0	4.0	4.5	5.4	4.5
E	.3	.8	.3	*	*	.0		1.4	7.6	.8	.7	1.2	1.1	1.8	1.0	2.0	1.7
SE	.3	.7	.2	*	*	*		1.3	7.3	1.0	1.0	1.1	.7	1.3	1.2	1.6	1.5
S	.3	.8	.2	*	*	*		1.3	7.1	1.3	1.0	1.2	1.6	1.4	1.2	1.5	1.2
SW	.3	1.1	.7	*	*	.0		1.8	7.5	2.1	2.5	1.6	2.4	1.6	2.1	1.7	1.8
W	.9	5.5	2.9	.1	*	*		9.4	9.3	12.1	10.8	9.6	12.0	8.3	7.9	7.7	7.9
NW	1.9	23.4	31.0	2.4	*	*		58.8	12.2	63.5	61.3	62.0	60.8	56.3	56.6	54.0	55.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.1							3.1	.0	2.1	2.9	2.7	3.2	4.2	2.5	3.5	3.1
TOT OBS							90046		11.2	20565	1592	19947	2093	19395	2543	21288	2623
TOT PCT	8.2	62.9	45.2	3.6	.1	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.7	12.2	3.4	.1	*		19.3	11.9	15.3	17.6	21.3	22.7
NE	1.1	2.0	.4	*	.0		3.6	9.5	2.1	2.8	4.0	5.3
E	.7	.6	.1	*	*		1.4	7.6	.8	1.2	1.7	2.0
SE	.7	.5	.1	*	*		1.3	7.3	1.0	1.1	1.3	1.6
S	.6	.5	.1	*	*		1.3	7.1	1.3	1.2	1.4	1.4
SW	.9	.8	.1	*	.0		1.8	7.5	2.1	1.6	1.6	1.7
W	3.1	5.5	.8	*	*		9.4	9.3	12.0	9.9	8.2	7.7
NW	9.0	37.9	11.6	.3	*		58.8	12.2	63.3	61.9	56.3	54.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	2.1	2.7	4.0	3.5
TOT OBS						90046		11.2	22157	22040	21938	23911
TOT PCT	23.0	60.0	16.5	.5	*		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.1	4.4	38.4	50.2	4.7	.1	*	12.0	100.0	22157
06&09	2.7	4.4	40.6	48.2	4.0	.1	*	11.7	100.0	22040
12&15	4.0	5.2	46.3	41.7	2.8	*	.0	10.6	100.0	21934
18&21	3.5	6.4	48.0	41.1	7.9	.1	*	10.6	100.0	23911
TOT								11.2		90044
PCT	3.1	5.1	47.9	45.2	3.6	.1	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.8	2.7	4.6	2.7		3.5
NE	1.6	.5	.7	.5		3.6
E	.4	.2	.4	.2		3.9
SE	.4	.2	.3	.3		4.4
S	.4	.2	.3	.3		4.4
SW	.6	.3	.5	.4		4.4
W	4.2	1.4	2.1	1.4		3.6
NW	28.9	8.8	12.9	8.2		3.2
VAR	.0	.0	.0	.0		.0
CALM	1.5	.3	.6	.4		3.4
TOT OBS					67668	3.3
TOT PCT	48.3	14.6	22.3	14.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	*	.2	1.1	2.2	1.1	.4	.1	.1	.1	19.3	
NE	*	*	*	.1	.2	.2	.1	*	*	*	2.8	
E	*	*	*	.1	.1	.1	*	*	*	*	1.0	
SE	*	*	*	.1	.1	.1	*	*	*	*	.8	
S	*	*	*	.1	.2	.1	*	*	*	*	.8	
SW	*	*	*	.2	.2	.1	*	*	*	*	1.0	
W	.2	*	.1	.6	1.1	.5	.2	.1	*	*	4.5	
NW	.5	.2	.7	4.5	6.1	2.6	1.2	.4	.2	.2	42.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	*	*	.2	.3	.1	.1	*	*	*	2.1	
TOT OBS												67668
TOT PCT	1.0	.3	1.2	6.0	10.5	5.1	2.1	.7	.4	.4	72.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.7	.8	.8	.8	.8	.8	.8	.8
= OR >5000	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
= OR >3500	3.1	3.6	3.7	3.7	3.7	3.7	3.7	3.7
= OR >2000	7.4	8.7	8.8	8.8	8.8	8.8	8.8	8.8
= OR >1000	16.1	18.9	19.2	19.2	19.2	19.2	19.2	19.2
= OR >600	20.6	24.8	25.2	25.3	25.3	25.3	25.3	25.3
= OR >300	21.3	25.9	26.4	26.5	26.5	26.5	26.5	26.5
= OR >150	21.4	26.2	26.7	26.8	26.8	26.8	26.8	26.8
= OR > 0	21.7	26.7	27.3	27.5	27.6	27.7	27.8	27.8

TOTAL NUMBER OF OBS: 68264 PCT FREQ NH <5/8: 72.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
35.5	12.2	10.3	7.8	5.8	4.5	5.8	6.6	10.8 .7	71981

ANNUAL

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1950-1976

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TABLE A

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	0	0	0	.0	.0	.0	0	0	.	.0	0	
	NO PCP	0	0	0	0	0	0	.1	.	.	.1	.4	
	TOT %	0	0	0	0	0	0	.1	.		.1	.4	
1/2<1	PCP	0	.0	.0	0	0	0	0	0	.	.0	0	
	NO PCP	0	0	0	0	0	0	0	.0	.	0	.0	
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.0	
1<2	PCP	0	0	0	0	0	0	0	0	.0	.0	0	
	NO PCP	0	0	0	0	0	0	0	.1	.0	0	.0	
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.1	
2<5	PCP	0	0	0	0	0	0	0	0	.0	0	.1	
	NO PCP	.	0	0	0	0	0	.1	.0	.0	.1	1.1	
	TOT %		0	0	0	0	0	.1	.6	.0	.1	1.1	
5<10	PCP	0	.1	0	0	0	0	0	.1	.0	0	.3	
	NO PCP	1.9	.1	.2	.2	.2	.2	.7	1.3	7.4	.0	.5	12.1
	TOT %	2.0	.1	.2	.2	.2	.2	.7	1.4	7.4	.0	.5	12.6
10+	PCP	0	0	0	0	0	0	0	.1	.0	0	.3	
	NO PCP	17.2	3.1	1.2	1.0	1.0	1.2	.7	7.7	50.4	.0	2.2	85.2
	TOT %	17.3	3.1	1.2	1.0	1.0	1.2	.7	7.8	50.5	.0	2.2	85.5
	TOT OBS												83453
	TOT PCT	19.5	3.5	1.4	1.3	1.3	1.7	9.4	58.9	.0	2.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	.0	.1	.1	
	4-10	0	0	0	0	0	0	.1	.1	.0		.2	
	11-21	0	0	0	0	0	0	0	0	.0		.1	
	22+	0	.0	0	0	.0	.0	.0	0	.0		0	
	TOT %	0	0	0	0	0	0	.1	.2	.0	.1	.5	
1/2<1	0-3	0	.0	0	0	0	0	0	0	.0	0	.1	
	4-10	0	0	0	0	0	0	0	0	.0		.1	
	11-21	0	.0	.0	0	0	0	0	0	.0		0	
	22+	0	.0	.0	0	.0	.0	.0	0	.0		0	
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.2	
1<2	0-3	0	0	0	0	0	0	0	0	.0	0	.1	
	4-10	0	0	0	0	0	0	0	.1	.0		.2	
	11-21	0	0	0	0	0	0	0	.1	.0		.1	
	22+	.0	0	0	0	0	.0	.0	0	.0		0	
	TOT %	0	0	0	0	0	0	0	.2	.0	0	.3	
2<5	0-3	0	0	0	0	0	0	0	0	.0	.1	.2	
	4-10	.1	0	0	0	0	0	.1	.4	.0		.6	
	11-21	.1	0	0	0	0	0	0	.4	.0		.6	
	22+	0	0	0	0	0	0	0	0	.0		0	
	TOT %	.2	0	0	0	0	.1	.2	.9	.0	.1	1.6	
5<10	0-3	.1	0	0	.1	.1	.1	.1	.3	.0	.5	1.3	
	4-10	.8	.2	.1	.1	.1	.2	.8	3.0	.0		5.3	
	11-21	.9	.1	0	0	0	.1	.4	3.8	.0		5.4	
	22+	.1	0	0	0	0	0	0	.3	.0		.5	
	TOT %	1.9	.3	.2	.2	.2	.3	1.4	7.4	.0	.5	12.5	
10+	0-3	.7	.2	.2	.2	.2	.2	.7	1.5	.0	2.2	6.3	
	4-10	7.4	1.8	.7	.6	.6	.9	4.5	19.6	.0		76.1	
	11-21	6.3	1.0	.2	.2	.1	.2	2.4	26.9	.0		79.4	
	22+	.7	.1	0	0	0	0	.1	2.1	.0		3.1	
	TOT %	17.2	3.2	1.2	1.0	1.0	1.3	7.7	50.2	.0	2.2	84.9	
	TOT OBS												83504
	TOT PCT	19.4	3.6	1.4	1.3	1.3	1.7	9.4	58.9	.0	2.9	100.0	

ANNUAL

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1960-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	0-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.6	.3	.7	4.5	8.0	4.2	1.9	.7	.5	.5	21.7	78.3	18045
06E09	1.0	.2	1.0	4.4	8.1	3.7	1.5	.5	.3	.3	21.0	79.0	17457
12E15	1.1	.4	1.8	8.8	12.7	5.6	2.2	.5	.3	.5	33.5	66.5	16193
18E21	1.0	.4	1.3	6.7	12.0	6.3	2.7	.9	.5	.4	32.3	67.7	18865
TOT													70560
PCT	1.0	.3	1.2	5.4	10.2	5.0	2.1	.7	.4	.4	27.1	72.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.1	.3	1.3	12.3	85.8	21595
06E09	.4	.1	.2	1.3	11.9	86.1	21872
12E15	.7	.2	.8	1.9	13.3	83.5	21421
18E21	.6	.2	.4	2.0	12.4	84.2	23670
TOT							88558
PCT	.5	.2	.4	1.6	12.4	84.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.6	1.6	7.0	15.9	77.0	17462
06E09	1.0	2.3	7.6	14.6	77.8	16881
12E15	1.6	4.0	13.1	22.0	66.9	15674
18E21	1.0	2.9	10.7	23.1	66.2	18247
TOT						68264
PCT	1.0	2.7	9.6	18.9	71.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	*	.0	*	*	.0	*	.0		*
85/89	*	*	*	*	.1	.1	*	*		.2
80/84	*	*	*	.1	.3	.6	.3	.1		1.5
75/79	.0	*	.1	.7	.8	2.5	2.7	1.0		6.9
70/74	*	*	.2	.7	2.5	5.0	7.1	4.2		19.7
65/69	*	*	.7	1.2	3.4	7.4	10.8	6.1		29.2
60/64	.0	*	.2	1.2	4.5	8.8	13.0	5.9		33.6
55/59	.0	.0	.1	.7	.8	1.1	3.6	1.7		8.7
50/54	.0	.0	*	*	*	*	*	*		.2
TOTAL									69927	100.0
PCT	*	.1	.4	3.9	12.4	26.4	37.1	19.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	*	*	*	*	.0	*
*	*	*	*	*	*	*	.1	.0	*
.2	*	*	.1	.1	*	.2	.7	.0	.1
1.0	.2	.2	.2	.2	.2	.2	.9	3.7	.0	.3
3.6	.7	.3	.3	.3	.3	.4	2.2	11.2	.0	.8
6.1	1.1	.4	.4	.3	.3	.5	2.7	16.8	.0	.6
6.8	1.1	.4	.2	.2	.2	.5	2.7	20.7	.0	.8
2.0	.3	.1	*	*	*	.1	.5	5.5	.0	.1
.1	*	*	*	*	*	.0	*	.1	.0	*
19.8	3.5	1.4	1.2	1.3	1.7	4.2	98.9	.0	3.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	50%	10%	MIN	MEAN	TOTAL OBS
00E03	97	87	78	69	62	54	50	63.3	22329
06E09	91	77	71	65	60	54	49	59.2	22181
12E15	87	73	70	66	59	53	50	60.5	20171
18E21	92	78	75	67	61	55	49	67.0	23982
TOT	97	77	74	69	60	54	49	60.5	88663

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	*	6.4	14.0	31.4	36.5	11.5	77	17487
06E09	*	7.0	9.1	26.2	42.0	26.9	83	17066
12E15	*	3.3	4.4	20.3	39.9	28.0	83	17017
18E21	*	6.0	10.4	33.1	32.2	11.1	77	18760
TOT	17	5225	8580	19446	26466	17867	80	70330

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

AREA 0G1 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	•	•	.0	•	4	.0	•
20/22	.0	.0	.0	.0	.0	.0	•	•	•	•	•	•	29	.0	•
17/19	.0	.0	.0	.0	.0	•	•	•	•	•	•	•	82	•	.1
14/16	.0	.0	.0	.0	•	•	•	.1	.1	.1	•	•	280	•	.4
11/13	.0	.0	.0	•	•	.1	.2	.3	.2	.1	•	•	710	•	.9
9/10	.0	.0	.0	•	.1	.2	.4	.3	.2	.1	•	•	1008	•	1.3
7/8	.0	.0	•	•	.2	.6	.8	.5	.3	.1	•	•	1893	•	2.5
6	.0	.0	.0	•	.2	.5	.5	.4	.2	.1	•	•	1499	•	1.9
5	.0	.0	•	•	.4	1.0	.8	.5	.3	.1	•	.0	2437	.1	3.0
4	.0	.0	•	.1	.9	1.4	1.0	.6	.4	.1	•	•	3485	.1	4.3
3	.0	.0	•	.1	.9	1.5	.9	.6	.2	.1	•	.0	3479	.1	4.4
2	.0	.0	•	.4	2.2	2.1	1.5	.9	.4	.1	•	.0	5914	.2	7.4
1	.0	.0	•	.6	2.8	2.2	1.4	.9	.3	.1	•	.0	6129	.1	7.7
0	.0	•	.1	1.4	4.5	3.2	2.2	1.2	.4	•	•	.0	10017	.3	12.6
-1	.0	.0	.1	1.6	3.5	2.4	1.7	.8	.2	•	•	.0	8027	.2	10.2
-2	.0	•	.1	2.2	4.0	2.6	1.8	.8	.2	•	.0	.0	9093	.2	11.6
-3	.0	.0	.1	1.8	2.7	1.8	1.4	.5	.1	•	.0	.0	6960	.1	8.3
-4	.0	•	.2	1.8	2.2	1.6	1.2	.5	.1	•	•	.0	5765	.1	7.4
-5	.0	•	.1	1.2	1.5	1.3	.8	.3	.1	•	.0	.0	4036	.1	5.3
-6	.0	•	.2	.7	.9	.7	.6	.2	•	•	.0	.0	2531	.1	3.3
-7/-8	.0	•	.2	.7	1.0	.8	.5	.2	•	.0	.0	.0	2616	.1	3.5
-9/-10	.0	•	.1	.3	.3	.3	.2	.1	•	.0	.0	.0	978	•	1.3
-11/-13	.0	•	•	.1	.2	.1	.1	•	•	.0	.0	.0	429	•	.6
-14/-16	•	•	•	•	.1	•	•	•	.0	.0	.0	.0	122	•	.2
-17/-19	.0	•	•	•	•	•	•	.0	.0	.0	.0	.0	33	.0	•
-20/-22	.0	.0	•	•	•	•	.0	.0	.0	.0	.0	.0	8	.0	•
TOTAL													77164		
PCT	•	.1	1.2	13.2	28.1	24.5	18.1	9.9	3.8	1.0	.2	•	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	.1	•	.0	.0	1.3
1-2	.3	4.6	2.2	.0	.0	.0	7.0
3-4	.1	2.6	4.4	.2	.0	.0	7.2
5-6	•	.6	3.0	.3	•	.0	3.8
7	.0	.1	.9	.2	.0	.0	1.3
8-9	.0	•	.2	.1	•	.0	.4
10-11	.0	.0	.1	•	•	.0	.1
12	.0	.0	•	•	.0	.0	•
13-16	.0	.0	•	•	.0	.0	•
17-19	.0	.0	.0	.0	•	.0	•
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	9.0	10.8	.9	•	.0	21.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	•	.0	.0	.0	.4
1-2	.1	1.0	.3	.0	.0	.0	1.4
3-4	•	.5	.6	•	.0	.0	1.1
5-6	.0	.1	.4	.1	.0	.0	.5
7	.0	•	.1	•	•	.0	.1
8-9	.0	•	.1	•	•	.0	.1
10-11	.0	.0	•	.0	•	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.9	1.4	.2	•	.0	3.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	•	.2	.1	•	.0	.0	.3
5-6	.0	•	.1	•	.0	.0	.1
7	.0	•	•	•	.0	.0	•
8-9	.0	•	•	•	.0	.0	•
10-11	.0	.0	•	.0	.0	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	•	.0	.0	•
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.3	•	•	.0	1.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	•	.0	.0	.0	.2
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	•	.1	.2	•	.0	.0	.3
5-6	.0	•	.1	•	.0	.0	.1
7	.0	•	•	•	.0	.0	•
8-9	.0	•	•	•	.0	.0	•
10-11	.0	.0	•	.0	.0	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	•	.0	.0	•
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.4	.3	•	.0	.0	.9

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	*	.0	.0	.0	.2
1-2	.1	.3	*	.0	.0	.0	.4
3-4	*	.2	.1	*	.0	.0	.3
5-6	.0	*	*	*	.0	.0	.1
7	.0	.0	*	*	.0	.0	*
8-9	.0	*	*	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.2	*	*	.0	1.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	*	.0	.0	.0	.4
1-2	.1	.5	.1	.0	.0	.0	.7
3-4	*	.2	.1	*	.0	.0	.3
5-6	.0	*	.1	*	.0	.0	.1
7	.0	*	*	.0	.0	.0	*
8-9	.0	.0	*	*	*	.0	*
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.3	*	*	.0	1.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	*	.0	.0	.0	1.3
1-2	.2	2.4	.7	.0	.0	.0	3.3
3-4	.1	1.3	1.2	*	.0	.0	2.6
5-6	.0	.2	.7	*	.0	.0	1.0
7	.0	*	.2	*	.0	.0	.2
8-9	.0	.0	.1	*	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.9	3.0	.1	*	.0	8.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.4	.1	.0	.0	.0	3.1
1-2	.7	10.9	5.8	.0	.0	.0	17.4
3-4	.2	7.0	13.4	.4	.0	.0	20.9
5-6	*	1.4	9.2	.7	*	.0	11.4
7	.0	.3	3.2	.7	.0	.0	4.2
8-9	.0	.1	.7	.3	*	.0	1.1
10-11	.0	.0	.2	.2	.0	.0	.5
12	.0	.0	*	*	*	.0	.1
13-16	.0	.0	*	*	*	.0	.1
17-19	.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	22.2	32.6	2.4	*	.0	58.7

HGT	PCT	TOTAL PCT
<1	3.1	
1-2	17.4	
3-4	20.9	
5-6	11.4	
7	4.2	
8-9	1.1	
10-11	.5	
12	.1	
13-16	.1	
17-19	*	
20-22	.0	
23-25	.0	
26-32	.0	
33-40	.0	
41-48	.0	
49-60	.0	
61-70	.0	
71-86	.0	
87+	.0	
TOT PCT	58.7	97.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.5	5.4	.3	*	.0	.0	10.1	
1-2	1.0	20.3	9.2	.0	.0	.0	31.3	
3-4	.4	11.9	20.0	.7	.0	.0	33.0	
5-6	.1	2.4	13.4	1.1	*	.0	17.0	
7	.0	.5	4.4	1.0	*	.0	5.9	
8-9	.0	.1	1.0	.5	*	.0	1.7	
10-11	.0	.0	.3	.3	*	.0	.6	
12	.0	.0	.1	*	*	.0	.1	
13-16	.0	.0	.1	*	*	.0	.1	
17-19	.0	.0	.0	*	*	.0	.1	
20-22	.0	.0	.0	.0	*	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-47	.0	.0	.0	.0	.0	.0	.0	
41-47	.0	.0	.0	.0	.0	.0	.0	
49-67	.0	.0	.0	.0	.0	.0	.0	
61-77	.0	.0	.0	.0	.0	.0	.0	
71-87	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.0	40.8	48.7	3.7	.1	.0	100.0	1929*

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.0	10.7	10.7	9.0	5.0	1.1	.4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	31326	*
6-7	.1	2.0	7.9	8.4	4.0	1.7	.7	.2	.2	*	*	*	*	*	.0	.0	.0	.0	.0	15404	*
8-9	*	.7	2.2	3.0	2.2	1.2	.4	.2	.2	*	*	*	*	*	.0	.0	.0	.0	.0	6385	6
10-11	.0	.4	.8	.8	.7	.4	.3	.1	.1	*	*	*	*	*	.0	.0	.0	.0	.0	2402	6
12-13	.0	.0	.4	.4	.4	.2	.1	*	.1	*	*	.0	*	.0	.0	.0	.0	.0	.0	1125	6
>13*	.0	.0	.0	.0	.1	.1	.1	*	*	*	*	*	*	.0	.0	.0	.0	.0	.0	404	7
INDEF TOTAL	3.1	13.9	21.9	21.9	11.6	5.0	2.2	.7	.6	.1	.1	*	*	*	.0	.0	.0	.0	.0	4566	5
																				62212	6
PCT	6.1	19.1	51.0	23.9	11.6	5.0	2.2	.7	.6	.1	.1	*	*	*	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1860-1979

AREA 001 CENTRAL BAJA WEST
26.4N 114.4W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	.0	1	•
87/88	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	•	.0	19	•
85/86	.0	.0	.0	.0	.0	•	•	.4	.6	.2	.1	•	101	.1
83/84	.0	.0	.0	.0	•	.0	•	.7	1.5	1.0	.1	.1	243	.3
81/82	•	.0	.0	.0	•	•	.4	1.3	3.7	2.8	.5	.1	679	.8
79/80	.1	.1	•	.1	•	.1	.4	3.6	6.9	5.9	1.6	.2	1350	1.6
77/78	.1	.1	•	•	•	.1	1.2	5.5	10.4	9.0	3.3	1.1	2196	2.6
75/76	.4	.2	.1	•	.1	.2	3.1	10.6	14.1	13.4	8.8	3.9	3849	4.6
73/74	1.7	.5	.2	.2	.2	.4	6.4	16.7	17.4	16.5	13.7	7.4	5691	6.8
71/72	4.7	1.7	.5	.2	.4	1.0	11.3	17.7	15.9	17.4	16.6	12.6	6921	8.3
69/70	10.1	5.1	2.1	.8	1.2	3.3	17.0	17.4	12.6	14.0	17.8	15.4	8053	9.7
67/68	16.6	11.0	6.7	3.9	4.5	10.1	21.6	13.6	9.4	11.1	17.6	18.1	9933	11.9
65/66	20.3	19.8	13.2	10.6	12.7	19.5	18.4	7.3	4.4	5.2	10.6	16.5	10874	13.0
63/64	27.5	26.9	26.8	27.9	31.1	32.9	12.9	3.4	2.2	2.7	6.5	15.4	14717	17.7
61/62	13.4	19.3	24.9	27.1	26.4	18.7	4.6	.9	.5	.6	1.9	6.1	10090	12.1
59/60	6.6	10.8	17.4	19.5	14.6	8.8	1.6	.3	.2	.2	.7	2.0	5795	7.0
57/58	1.7	3.2	5.8	7.0	6.1	3.5	.5	.1	•	.1	.2	.6	2035	2.4
55/56	.5	.9	1.6	1.8	1.8	.8	.2	•	•	•	.1	.3	576	.7
53/54	.2	.2	.5	.6	.5	.4	.1	•	.0	•	•	.1	192	.2
51/52	.1	.1	.2	.2	.1	.1	•	.0	.0	.0	•	•	55	.1
49/50	•	.1	•	•	•	•	.0	.0	.0	.0	.0	.0	18	•
47/48	.0	.0	.1	.0	•	.0	.0	.0	.0	.0	.0	•	8	•
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	6381	6189	7101	7120	7557	7284	7414	7319	7205	7065	6660	6741	83356	100.0
MEAN	65.1	63.8	62.5	62.0	62.4	63.7	67.9	71.4	73.1	72.5	70.0	67.7	66.8	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1016	1017	1017	1016	1017	1017	1019	1017	1017	6470
FEB	1016	1017	1017	1016	1016	1017	1018	1017	1017	6394
MAR	1015	1016	1016	1015	1015	1016	1018	1016	1016	7245
APR	1014	1015	1015	1014	1015	1015	1017	1015	1015	7413
MAY	1014	1014	1015	1013	1014	1014	1015	1014	1014	7755
JUN	1012	1012	1013	1012	1013	1013	1014	1013	1013	7479
JUL	1012	1012	1013	1012	1013	1013	1014	1012	1013	7571
AUG	1012	1012	1013	1011	1012	1012	1014	1012	1013	7608
SEP	1010	1010	1012	1010	1011	1011	1012	1011	1011	7493
OCT	1012	1013	1014	1012	1013	1013	1014	1013	1013	7226
NOV	1015	1015	1016	1015	1015	1016	1017	1015	1016	6769
DEC	1016	1016	1017	1016	1016	1016	1018	1016	1017	6190
ANN	1014	1014	1015	1014	1014	1014	1016	1014	1014	85593
OBS	19735	907	19842	1503	18743	1853	71106	1904		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	998	1009	1012	1016	1017	1019	1022	1024	1030
FEB	1000	1010	1013	1015	1017	1019	1021	1023	1026
MAR	1001	1009	1012	1014	1016	1018	1020	1023	1031
APR	996	1009	1011	1014	1015	1017	1019	1021	1026
MAY	1001	1009	1010	1013	1014	1016	1018	1020	1027
JUN	1000	1006	1009	1011	1013	1014	1017	1018	1028
JUL	997	1006	1009	1011	1013	1014	1016	1018	1030
AUG	1000	1004	1008	1011	1013	1014	1016	1018	1024
SEP	996	1003	1006	1009	1011	1013	1015	1017	1024
OCT	1000	1005	1009	1012	1013	1015	1018	1019	1026
NOV	1004	1010	1011	1014	1014	1017	1020	1021	1027
DEC	1000	1009	1012	1015	1017	1018	1021	1023	1029

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.5	.2	.4	.0	.0	.0	.0	1.1	.9	*	.4	.0	.6	*		97.0
NE	1.6	.3	1.8	.0	.0	.0	.0	3.2	.7	.3	.6	.0	.5	.1		94.8
E	3.1	.0	4.2	.0	.0	.0	.0	6.0	1.2	.4	.4	.0	.5	.0		91.5
SE	4.6	1.9	2.2	.0	.0	.0	.0	7.9	2.1	.0	.0	.0	.2	.0		89.9
S	2.0	2.0	.0	.0	.0	.0	.0	4.1	3.8	1.0	.0	.0	.0	.0		91.1
SW	1.1	.0	1.1	.0	.0	.0	.0	1.1	.5	.0	.0	.0	.5	.0		97.9
W	.2	.2	.5	.0	.0	.0	.0	.9	1.1	.0	.8	.0	1.0	.0		96.2
NW	.5	.1	.5	.0	.0	.0	.0	.9	.5	*	.3	*	.9	.0		97.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.3	.3	.0	.0	.0	.0	.6	.6	.0	.9	.0	2.9	.0		95.1
TOT PCT	.8	.2	.8	.0	.0	.0	.0	1.6	.8	.1	.4	*	.8	*		96.2
TOT OBS:	6923															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.6	.3	1.0	.0	.0	.0	.0	1.8	.8	.0	.3	.0	.5	.1		96.5
06&09	.9	.2	.5	.0	.0	.0	.0	1.4	1.0	.1	.2	.0	.8	.0		96.5
12&15	1.2	.1	.8	.0	.0	.0	.0	1.8	1.1	.3	.9	.0	1.0	.0		94.9
18&21	.7	.3	.8	.0	.0	.0	.0	1.6	.4	.0	.5	.1	.8	.0		96.8
TOT PCT	.8	.2	.8	.0	.0	.0	.0	1.6	.8	.1	.4	*	.8	*		96.2
TOT OBS:	7025															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.5	17.8	11.3	.6	*	.0		32.1	9.9	24.7	32.1	29.7	24.5	35.3	41.9	37.4	37.0
NE	.8	6.6	3.6	.2	*	.0		11.2	9.6	7.5	12.8	10.4	10.9	10.6	12.5	15.0	14.3
E	.5	2.8	.8	.C	*	.0		4.1	7.9	3.0	3.1	4.4	3.0	3.9	4.1	5.C	5.4
SE	.5	1.5	.4	*	.0	.0		2.4	7.1	2.1	2.1	2.5	4.5	2.5	1.2	2.7	.7
S	.3	.9	.2	*	.0	.0		1.4	7.0	2.3	.0	1.1	1.5	1.1	2.4	1.3	.0
SW	.4	.8	.1	*	.0	.0		1.4	6.0	2.1	.0	1.2	5.9	1.0	1.0	1.1	.7
W	1.2	4.5	1.3	*	.0	.0		7.0	7.7	11.1	7.9	6.8	9.4	4.6	5.2	5.3	5.7
NW	2.4	20.1	12.3	.5	.0	.0		35.3	9.9	42.5	37.9	37.1	35.4	35.5	30.0	27.9	31.3
VAR	.0	.0	.0	.C	.0	.0		.0	.C	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.1							5.1	.0	4.4	4.1	6.7	5.0	5.6	1.8	4.4	5.0
TOT OBS	1033	4135	2251	104	3	0	7526		9.C	1836	145	1572	101	1493	222	2017	140
TOT PCT	13.7	54.9	29.9	1.4	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	9.2	19.9	3.0	.1	.0		32.1	9.9	25.2	29.4	36.1	37.4
NE	3.6	6.5	1.0	*	.0		11.2	9.6	7.9	10.4	10.8	15.C
E	1.9	2.1	.1	*	.C		4.1	7.9	3.C	4.3	3.9	5.C
SE	1.4	.8	.1	.0	.0		2.4	7.1	2.1	2.6	2.3	2.5
S	.8	.5	.1	.0	.C		1.4	7.0	2.1	1.2	1.2	1.2
SW	.9	.5	*	.0	.0		1.4	6.0	2.0	1.5	1.C	1.1
W	3.3	3.4	.3	.C	.0		7.C	7.7	10.9	6.9	4.7	5.3
NW	10.C	22.1	3.1	*	.0		35.3	9.9	42.2	37.0	34.8	28.1
VAR	.0	.0	.0	.C	.0		.0	.C	.C	.C	.0	.0
CALM	5.1						5.1	.0	4.5	6.6	5.1	4.4
TOT OBS	2724	4209	582	11	0	7526		9.0	1981	1673	1715	2157
TOT PCT	36.2	55.9	7.7	.1	.C		100.C		100.C	100.C	100.C	100.0

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.5	8.3	55.0	30.9	1.2	.1	.0	9.0	100.0	1981
06&09	6.6	8.3	55.1	29.0	1.0	.1	.0	8.8	100.0	1677
12&15	5.1	7.3	56.4	29.4	1.8	.0	.0	9.1	100.0	1715
18&21	4.4	10.2	53.7	30.1	1.5	*	.0	9.0	100.0	2157
TOT	384	649	4135	2251	104	3	0	9.0		7526
PCT	5.1	8.6	54.9	29.9	1.4	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	19.0	5.2	8.6	4.5		3.6
NE	9.9	1.5	3.1	1.4		3.6
E	1.6	.5	1.1	1.0		4.1
SE	.8	.4	.7	.5		4.0
S	.5	.2	.4	.3		4.2
SW	.5	.3	.3	.2		3.6
W	2.8	1.1	1.8	.9		3.6
NW	16.4	5.9	9.7	3.6		3.3
VAR	.0	.0	.0	.0		.0
CALM	2.8	.7	1.0	.6		2.8
TOT OBS	2479	887	1494	728	5588	3.5
TOT PCT	44.4	15.9	26.7	13.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	*	.3	1.2	2.8	1.7	.7	.3	.3	.2	29.6	
NE	*	*	.2	.5	.9	.6	.2	.1	.1	.1	8.3	
E	*	*	*	.2	.5	.3	.1	*	*	*	2.4	
SE	*	.1	*	.2	.2	.2	.1	*	.0	*	1.6	
S	.0	.0	*	.1	.2	.1	*	.0	*	.0	1.0	
SW	.0	.0	*	*	.1	*	*	*	.0	.0	1.0	
W	.0	*	.1	.4	.7	.3	.1	.1	.0	.0	4.1	
NW	.1	.1	.2	1.1	2.8	1.9	.8	.2	.2	.1	27.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	.0	*	.1	.1	.2	*	.1	.1	.1	4.2	
TOT OBS	20	12	53	227	478	284	127	48	43	35	4256	5588
TOT PCT	.4	.2	.9	4.1	8.6	5.1	2.3	.9	.8	.7	76.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >0YD	: OR >0
: OR >6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >5000	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
: OR >3500	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7
: OR >2000	9.3	9.8	9.8	9.8	9.8	9.8	9.8	9.8
: OR >1000	17.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3
: OR >600	20.6	22.3	22.3	22.4	22.4	22.4	22.4	22.4
: OR >300	21.3	23.2	23.3	23.3	23.3	23.3	23.3	23.3
: OR >150	21.5	23.4	23.5	23.5	23.5	23.5	23.5	23.5
: OR > 0	21.8	23.7	23.8	23.9	23.9	23.9	23.9	23.9
TOTAL	1210	1330	1346	1349	1349	1349	1349	1350

TOTAL NUMBER OF OBS: 5650

PCT FREQ HH <5/8: 76.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
36.5	13.9	11.7	8.6	7.2	5.3	6.4	5.1	7.4	.9	5617

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	NO PCP	.0	.0	.0	.0	.0	.0	•	•	.0	•	.1	
	TOT %	.0	.0	.0	.0	.0	.0	•	•	.0	•	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	NO PCP	•	•	•	.0	.0	.0	.0	.0	.0	•	.1	
	TOT %	•	•	•	.0	.0	.0	.0	•	.0	•	.1	
1<2	PCP	.0	.0	•	•	.0	.0	.0	.0	.0	.0	•	
	NO PCP	•	•	•	.0	.0	•	•	.0	.0	.0	•	
	TOT %	•	•	•	•	.0	•	•	.0	.0	.0	.1	
2<5	PCP	•	.1	.0	•	•	.0	.0	.0	.0	.0	.2	
	NO PCP	.1	•	•	•	.0	.0	•	•	.0	•	.2	
	TOT %	.1	.1	•	•	•	.0	•	•	.0	•	.3	
5<10	PCP	.1	.1	.1	.1	•	•	•	.2	.0	•	.6	
	NO PCP	1.6	.5	.2	.1	.1	.1	.3	1.3	.0	.2	4.6	
	TOT %	1.8	.6	.4	.2	.1	.1	.3	1.5	.0	.2	5.2	
10+	PCP	.2	.2	.1	.1	•	.0	•	.1	.0	•	.8	
	NO PCP	30.1	10.2	3.6	2.0	1.2	1.2	6.6	33.8	.0	4.7	93.5	
	TOT %	30.3	10.3	3.7	2.1	1.3	1.2	6.6	34.0	.0	4.7	94.2	
	TOT OBS												6902
	TOT PCT	32.2	11.1	4.1	2.3	1.4	1.4	7.0	35.5	.0	5.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	•	.0	.0	•	•	
	4-10	.0	.0	•	.0	.0	.0	•	.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•	.0	.0	.0	•	.1	.0	•	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	•	
	4-10	•	•	•	•	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	•	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	•	•	•	.0	.0	.0	•	.0	•	.1	
1<2	0-3	.0	.0	.0	•	.0	.0	.0	.0	.0	.0	•	
	4-10	•	•	•	•	.0	.0	.0	•	.0		.1	
	11-21	•	•	.0	.0	.0	•	•	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	•	•	•	.0	•	•	•	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	•	
	4-10	.1	.1	•	•	•	•	.0	.1	.0		.3	
	11-21	.1	.1	•	•	.0	.0	•	•	.0		.2	
	22+	.0	.0	.0	•	•	.0	.0	.0	.0		•	
	TOT %	.2	.1	•	.1	•	•	•	.1	.0	•	.6	
5<10	0-3	.2	•	•	•	•	•	.1	.2	.0	.2	.8	
	4-10	1.0	.4	.2	.1	.1	•	.2	.8	.0		2.8	
	11-21	.5	.2	.1	•	.1	•	.1	.4	.0		1.3	
	22+	•	.0	.0	.0	.0	.0	.0	•	.0		.1	
	TOT %	1.7	.6	.3	.2	.1	.1	.3	1.4	.0	.2	5.0	
10+	0-3	2.2	.7	.5	.4	.3	.4	1.1	2.2	.0	4.8	12.6	
	4-10	16.7	6.1	2.5	1.3	.9	.7	4.2	19.1	.0		51.4	
	11-21	10.8	3.3	.7	.4	.1	.1	1.2	12.1	.0		28.7	
	22+	.6	.2	•	.0	•	•	•	.5	.0		1.4	
	TOT %	30.3	10.3	3.7	2.1	1.3	1.2	6.5	33.8	.0	4.8	94.0	
	TOT OBS												7256
	TOT PCT	32.2	11.0	4.1	2.4	1.5	1.4	6.9	35.5	.0	5.1	100.0	

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1863-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.4	.4	.7	3.5	6.8	9.4	2.5	.9	.7	.8	21.1	78.9	1624
06E09	.2	.1	.8	3.6	8.2	9.5	2.2	.7	.5	.8	21.6	78.4	1319
12E15	.7	.2	1.1	3.8	8.4	9.4	2.2	.7	.9	.6	22.9	77.1	1221
18E21	.3	.1	1.1	4.6	9.7	6.2	2.1	1.1	1.0	.7	26.9	73.1	1684
TOT	22	12	54	229	484	290	131	51	46	42	1359	4489	5848
PCT	.4	.2	.9	3.9	8.3	5.0	2.2	.9	.8	.7	23.2	76.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.1	.2	.5	3.7	95.4	1944
06E09	.1	.1	.2	.5	6.0	93.1	1675
12E15	.2	.3	.2	.8	7.4	91.1	1679
18E21	.1	.1	*	.5	3.3	95.9	2062
TOT	8	10	12	41	367	6922	7360
PCT	.1	.1	.2	.6	5.0	94.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <5OVC	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 ANY	TOTAL OBS
00E03	.4	1.5	5.4	16.4	78.2	1572
06E09	.2	1.1	4.9	17.3	77.8	1277
12E15	.7	2.0	6.2	17.7	76.1	1178
18E21	.3	1.6	6.5	21.7	72.2	1623
TOT	21	87	326	1033	4291	5650
PCT	.4	1.5	5.8	18.3	75.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	*	*	.0	.0	.0	2	*
80/84	.0	*	*	.1	.2	.1	.0	*	24	.4
75/79	*	*	.1	.8	1.5	1.6	.4	.2	270	4.7
70/74	*	.1	.4	2.5	8.4	10.7	6.9	2.3	1816	31.4
65/69	.0	.1	.7	3.2	8.9	14.6	10.8	4.6	2686	46.5
60/64	.0	.0	.2	1.1	3.4	5.2	4.4	2.0	939	16.2
55/59	.0	.0	*	.1	.2	.2	.1	.1	42	.7
50/54	.0	.0	.0	.0	.0	.0	*	*	2	*
TOTAL	2	16	86	454	1312	1861	1510	532	5781	100.0
PCT	*	.3	1.5	7.9	22.7	32.2	26.1	9.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	*	.0	.0	.0	*	.0	.0
	.2	.1	*	*	.0	.0	*	.1	.0	.0
	1.4	.8	.3	.2	.1	.1	.3	1.3	.0	.2
	9.3	3.6	1.6	.9	.4	.6	2.7	10.0	.0	2.0
	15.1	4.7	1.7	.8	.6	.5	2.8	17.8	.0	2.4
	6.1	1.7	.4	.3	.1	.1	.9	5.9	.0	.6
	.3	.2	.0	.0	.0	.0	*	.2	.0	*
	*	*	.0	*	.0	.0	.0	.0	.0	.0
	52.5	11.1	4.1	2.2	1.4	1.3	6.9	35.4	.0	5.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	86	80	76	70	61	61	50	69.5	1993
06E09	85	79	72	67	62	60	50	67.2	1689
12E15	82	79	72	66	60	50	50	66.1	1750
18E21	86	79	76	69	61	55	53	69.1	2170
TOT	86	79	74	68	62	54	50	68.2	7602

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	50-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.1	12.6	27.8	32.8	20.7	6.0	72	1950
06E09	.0	6.1	17.9	31.8	33.1	11.7	77	1370
12E15	.0	6.9	19.1	30.8	32.5	11.6	77	1760
18E21	.0	12.0	27.9	33.1	20.8	6.3	72	2067
TOT	2	581	1930	1888	1930	596	74	9067

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1963-1979

TABLE 17

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	*	.0	*	.0	2	.0	*
17/19	.0	.0	.0	.0	.0	.0	.0	*	*	*	4	.0	.1
14/16	.0	.0	.0	.0	.0	.0	*	*	*	.0	6	.0	.1
11/13	.0	.0	.0	.0	.1	*	.1	*	.1	*	25	.0	.4
9/10	.0	.0	.0	*	*	.1	.2	.2	*	.0	30	.0	.5
7/8	.0	.0	.0	*	.1	.3	.4	.4	.1	.0	84	.0	1.3
6	.0	.0	.0	*	.1	.2	.3	.1	*	.0	53	.0	.8
5	.0	.0	.0	.1	.2	.5	.5	.3	.0	.0	102	.0	1.6
4	.0	.6	.0	.1	.5	1.0	.7	.2	.0	*	162	.0	2.5
3	.0	.0	*	.1	.6	1.0	.8	.1	.0	.0	165	*	2.6
2	.0	.0	*	.1	.9	2.2	1.0	.1	.0	.0	282	*	4.4
1	.0	.0	.0	.3	1.3	2.2	1.0	.2	*	.0	322	*	5.0
0	.0	.0	*	1.0	2.7	4.4	1.4	.1	.0	*	615	*	9.6
-1	.0	.0	*	.6	3.2	3.6	1.0	*	.0	.0	549	.1	8.5
-2	.0	.0	.1	1.5	5.1	5.1	1.0	*	.0	.0	816	.1	12.7
-3	.0	.0	*	1.2	4.4	3.9	.8	.0	.0	.0	662	.1	10.3
-4	.0	.0	.2	2.3	5.5	2.9	.4	.0	.0	.0	725	*	11.3
-5	.0	.0	.2	2.0	4.6	2.3	.2	*	.0	.0	598	*	9.3
-6	.0	*	.2	1.7	2.7	1.5	.1	.0	.0	.0	399	.0	6.2
-7/-8	.0	.0	.4	2.2	3.6	1.1	*	.0	.0	.0	469	.0	7.3
-9/-10	.0	*	.3	1.6	1.1	.2	*	.0	.0	.0	209	*	3.2
-11/-13	*	*	.3	.8	.4	.1	.0	.0	.0	.0	106	.0	1.7
-14/-16	.0	.0	*	*	.1	.1	.0	.0	.0	.0	12	.0	.2
-17/-19	*	*	*	*	.0	.0	.0	.0	.0	.0	5	.0	.1
-20/-22	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	2	7	120	1010	2377	2094	641	127	23	4	6405	25	6380
PCT	*	.1	1.9	15.8	37.1	32.7	10.0	2.0	.4	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.9	.1	.0	.0	.0	3.0
1-2	.7	10.5	3.9	.0	.0	.0	15.1
3-4	.0	5.5	5.9	.1	.0	.0	11.5
5-6	*	1.1	3.0	.3	.0	.0	4.4
7	.0	.3	.7	.1	*	.0	1.2
8-9	.0	.0	*	.1	.0	.0	.1
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-64	.0	.0	.0	.0	.0	.0	.0
65-80	.0	.0	.0	.0	.0	.0	.0
81+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	19.4	13.7	.7	*	.0	35.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	.1	.0	.0	.0	1.4
1-2	.3	3.5	1.1	.0	.0	.0	4.9
3-4	.0	1.7	1.8	.1	.0	.0	3.6
5-6	.0	.3	.9	.0	.0	.0	1.2
7	.0	.1	.1	.1	*	.0	.3
8-9	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-64	.0	.0	.0	.0	.0	.0	.0
65-80	.0	.0	.0	.0	.0	.0	.0
81+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.6	4.0	.2	*	.0	11.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.4
1-2	.0	1.4	.2	.0	.0	.0	1.8
3-4	.1	.6	.6	.0	.0	.0	1.3
5-6	.0	.1	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-64	.0	.0	.0	.0	.0	.0	.0
65-80	.0	.0	.0	.0	.0	.0	.0
81+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.5	1.0	.0	.0	.0	3.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.1	1.3	.1	.0	.0	.0	1.5
3-4	.0	.3	.1	.0	.0	.0	.4
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-64	.0	.0	.0	.0	.0	.0	.0
65-80	.0	.0	.0	.0	.0	.0	.0
81+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.8	.3	.0	.0	.0	2.4

PAGE 004

PERIOD: (OVER-ALL) 1963-1979

JANUARY

TABLE 18 (CONT)

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.4	.1	.0	.0	.0	.6
3-4	.0	.3	.2	.0	.0	.0	.5
5-6	.0	•	.0	.0	.0	.0	•
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.1	.3	.0	.0	.0	1.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	.1	.1	.0	.0	.0	.2
1-2	.1	.2	•	.0	.0	.0	.4
3-4	.0	.2	•	.0	.0	.0	.2
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.6	.1	.1	.0	.0	1.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.0	.0	.0	.0	1.2
1-2	.4	1.6	.4	.0	.0	.0	2.4
3-4	.1	1.0	.3	.0	.0	.0	1.3
5-6	.0	.3	.2	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	3.4	.9	.0	.0	.0	5.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	2.8	.0	.0	.0	.0	4.0
1-2	1.1	10.4	3.4	.0	.0	.0	14.9
3-4	.1	4.6	6.1	.0	.0	.0	10.8
5-6	•	.9	2.6	.1	.0	.0	3.6
7	.0	.1	.8	.1	.0	.0	1.0
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	•	.0	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	18.9	12.4	.2	.0	.0	34.0

HGT	PCT	TOTAL PCT
<1	9.0	
1-2	34.9	
3-4	30.8	
5-6	13.6	
7	2.5	
8-9	1.0	
10-11	.1	
12	•	
13-16	.0	
17-19	.0	
20-22	.0	
23-25	.0	
26-32	.0	
33-40	.0	
41-48	.0	
49-60	.0	
61-70	.0	
71-86	.0	
87+	.0	
TOT PCT	96.0	95.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.5	6.9	.3	.0	.0	.0	15.6	
1-2	3.0	29.3	9.0	.0	.0	.0	41.7	
3-4	.3	14.1	14.8	.1	.0	.0	29.4	
5-6	.1	2.7	6.8	.4	.0	.0	10.0	
7	.0	.6	1.6	.3	.1	.0	2.5	
8-9	.0	.0	.3	.1	.0	.0	.4	
10-11	.0	.0	.1	.2	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.3	53.6	32.9	1.1	.1	.0	100.0	1536

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	6.3	21.5	19.2	6.4	2.3	.5	.1	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	2830	1
6-7	.1	3.2	7.0	5.5	1.9	.8	.2	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	946	4
8-9	.1	.7	2.2	2.5	1.0	.4	.4	.1	.1	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	379	5
10-11	.0	.0	1.0	.9	.5	.3	.1	•	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	183	5
12-13	.0	.0	1.0	.5	.2	.2	.1	•	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	107	5
>13	.0	.0	.0	.5	.2	.2	.1	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	7
INVET	5.9	1.0	1.3	1.1	.7	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	533	2
TOTAL	62%	1405	1594	872	329	122	54	17	18	•	7	0	0	0	0	0	0	0	0	6027	1
PCT	12.4	27.8	31.7	17.3	6.5	2.4	1.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
N	.5	.2	.2	.0	.0	.0	.0	.0	.3	.0	.3	.1	.8	*	97.7
NE	1.5	.4	.7	.0	.0	.0	.0	2.6	.8	.0	.4	.0	.8	.0	95.4
E	2.3	.6	1.8	.0	.0	.0	.0	4.7	1.5	.0	.8	.0	1.1	.9	91.0
SE	4.0	.9	3.8	.0	.0	.0	.0	8.7	.9	.0	1.1	.0	1.1	.4	87.7
S	4.8	.6	2.1	.0	.0	.0	.0	6.8	.0	.0	.0	.9	1.2	.0	91.1
SW	2.0	.3	.0	.0	.0	.0	.0	2.3	1.2	.0	.0	.3	.6	.0	95.6
W	.0	.3	.0	.0	.0	.0	.0	.3	.7	.1	.6	.0	2.2	.0	96.0
NW	.3	.2	.1	.0	.0	.0	.0	.6	.2	*	.3	*	1.2	.1	97.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.4	.0	2.5	.0	2.5	.0	96.3
TOT PCT	.6	.2	.3	.0	.0	.0	.0	1.1	.4	*	.5	.1	1.2	.1	96.8
TOT OBS:	6682														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
00&03	.5	.2	.3	.0	.0	.0	.0	1.0	.5	.0	.1	.0	1.4	.1	96.-
06&09	.6	.2	.3	.0	.0	.0	.0	1.1	.4	.1	.3	.0	.8	.0	97.-
12&15	.8	.4	.3	.0	.0	.0	.0	1.5	.1	.1	.5	.0	.7	.0	-
18&21	.5	*	.3	.0	.0	.0	.0	.8	.4	.0	.9	.2	1.7	-	
TOT PCT	.6	.2	.3	.0	.0	.0	.0	1.1	.4	*	.5	.1	1.2		
TOT OBS:	6813														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.8	15.0	11.4	.7	*	.0		28.9	10.5	21.7	23.3	25.4	16.2	34.0	30.0	35.1	28.6
NE	.7	4.1	2.1	.2	.0	.0		7.2	9.4	5.2	3.7	6.1	6.3	7.4	8.9	9.2	13.4
E	.4	1.5	.5	*	.0	.0		2.5	7.8	1.6	1.2	1.9	4.1	2.4	3.2	3.6	4.0
SE	.6	1.0	.2	*	.0	.0		1.7	6.6	1.5	2.9	1.5	1.7	1.2	2.0	2.3	.4
S	.2	.9	.7	*	.0	.0		1.3	7.4	1.6	1.2	1.4	1.7	.9	.7	1.2	.9
SW	.2	.9	.1	*	.0	.0		1.3	7.4	2.0	2.5	.8	2.3	1.0	2.0	1.0	1.0
W	.9	4.8	2.0	*	.0	.0		7.8	8.5	13.4	6.6	6.8	11.9	5.7	5.8	5.5	3.6
NW	7.2	23.7	18.2	.4	*	.0		49.4	10.6	50.2	55.2	50.8	50.3	41.8	42.5	37.4	44.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5							4.5	.0	2.8	3.3	5.5	4.5	5.6	4.9	4.6	1.8
TOT OBS	810	3724	2487	137	2	0	7169		9.8	1728	121	1475	88	1835	204	2006	112
TOT PCT	11.4	51.9	34.7	1.9	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.5	18.3	3.0	.1	.0		28.9	10.5	21.8	24.9	33.5	29.6
NE	2.6	3.9	.6	*	.0		7.2	9.4	5.1	6.1	7.6	9.4
E	1.2	1.1	.2	.0	.0		2.5	7.8	1.6	2.0	2.5	3.6
SE	1.0	.6	.1	.0	.0		1.7	6.6	1.6	1.5	1.3	2.2
S	.7	.5	.1	*	.0		1.3	7.4	1.6	1.4	.9	1.2
SW	.7	.5	.1	*	.0		1.3	7.4	2.1	.9	1.2	1.0
W	1.2	4.2	.4	.0	.0		7.8	8.5	13.0	6.9	5.7	5.4
NW	10.1	29.2	5.2	.1	.0		44.4	10.6	50.5	50.8	41.9	38.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.5						4.5	.0	2.8	5.4	5.6	4.4
TOT OBS	2278	4174	688	24	0	7169		9.6	1849	1563	1639	2118
TOT PCT	31.8	58.2	9.6	.3	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1951-1974
(OVER-ALL) 1850-1974

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0001	2.8	6.8	51.0	37.3	2.1	.0	.0	9.9	100.0	1849
0601	5.4	5.5	52.1	34.9	1.9	.1	.0	9.8	100.0	1563
1215	5.6	5.4	53.1	34.1	1.4	.0	.0	9.6	100.0	1879
1821	4.4	8.9	51.7	32.7	2.2	*	.0	9.3	100.0	2178
TOT	322	467	3724	2407	137	2	0	9.6		7169
PCT	4.5	6.5	51.9	34.7	1.9	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-6	6-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	15.6	5.0	6.7	2.2		2.9
NE	9.5	1.1	1.6	.9		3.2
E	1.1	.3	.6	.4		3.7
SE	.6	.2	.5	.2		3.8
S	.4	.2	.4	.2		4.3
SW	.4	.1	.3	.2		4.1
W	9.7	1.5	1.8	.7		3.1
NW	23.7	7.3	9.9	3.7		2.8
VAR	.0	.0	.0	.0		.0
CALM	2.5	.4	.8	.4		2.7
TOT OBS	2818	894	1230	499	5441	2.9
TOT PCT	51.8	16.5	22.6	9.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT;NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.7	.0	.1	.8	1.9	1.1	.6	.2	.2	.2	24.5	
NE	*	.0	.1	.2	.4	.3	.2	.1	*	*	5.9	
E	*	.0	.1	.1	.1	*	.1	.1	.0	*	1.8	
SE	*	*	*	.1	.1	.1	.1	*	.0	.0	1.1	
S	*	.0	*	.1	.1	.1	*	*	.0	.0	.9	
SW	.0	.0	*	*	.2	*	*	.0	.0	.0	.8	
W	*	.0	.1	.2	.4	.3	.1	.1	*	.0	6.2	
NW	.1	.1	.2	1.5	2.9	1.7	1.0	.7	.2	.4	36.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	*	.2	.1	.1	.1	.0	*	*	7.9	
TOT OBS	23	4	30	173	356	200	126	46	25	37	4421	5441
TOT PCT	.4	.1	.6	3.2	6.5	3.7	2.3	.8	.5	.7	81.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >500YD	: OR >0
: OR >6500	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
: OR >5000	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
: OR >3500	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3
: OR >2000	7.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0
: OR >1000	13.2	14.4	14.5	14.5	14.5	14.5	14.5	14.5
: OR >600	16.0	17.6	17.7	17.7	17.7	17.7	17.7	17.7
: OR >300	16.4	18.0	18.2	18.2	18.2	18.2	18.2	18.2
: OR >150	16.4	18.1	18.3	18.3	18.3	18.3	18.3	18.3
: OR > 0	16.7	18.4	18.6	18.6	18.7	18.7	18.7	18.7
TOTAL	922	1018	1026	1030	1033	1033	1035	1035

TOTAL NUMBER OF OBS: 5530 PCT FREQ NM <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
41.4	12.9	11.1	8.9	6.6	4.2	4.7	4.6	5.3	.3	5812

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	.0	.0	.0	.0	.0	*	.0	*	.1	
	TOT %	*	*	.0	*	.0	.0	.0	*	.0	*	.1	
1/2<1	PCP	.0	*	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	*	.0	.0	*	*	
	TOT %	.0	*	.0	.0	.0	.0	*	*	.0	*	.1	
1<2	PCP	.0	*	*	.0	*	*	.0	.0	.0	.0	.1	
	NO PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	*	*	*	.0	*	*	.0	*	.0	.0	.1	
2<5	PCP	.0	.0	*	*	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.1	.1	*	*	.0	.0	.0	.2	.0	.0	.4	
	TOT %	.1	.1	*	*	.0	.0	.0	.2	.0	.0	.5	
5<10	PCP	.1	.1	*	*	.1	*	.0	.1	.0	.0	.4	
	NO PCP	1.4	.3	.2	.1	*	.1	.4	2.1	.0	.3	4.8	
	TOT %	1.5	.4	.2	.2	.1	.1	.4	2.1	.0	.3	5.2	
10+	PCP	.1	.1	*	.1	*	*	*	.2	.0	*	.5	
	NO PCP	27.4	6.5	2.2	1.4	1.2	1.2	7.4	42.4	.0	3.9	93.6	
	TOT %	27.5	6.6	2.2	1.4	1.2	1.2	7.4	42.6	.0	3.9	94.1	
	TOT OBS												6655
	TOT PCT	29.1	7.1	2.5	1.7	1.3	1.3	7.8	45.0	.0	4.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	*	*	.0	.0	.0	*	.0	.0	*	.1	
	4-10	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	.0	.0	*	*	.0	*	.1	
1/2<1	0-3	.0	*	.0	.0	.0	.0	*	*	.0	*	.1	
	4-10	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	.0	.0	*	*	.0	*	.1	
1<2	0-3	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	4-10	*	.0	.0	.0	*	*	.0	*	.0		.1	
	11-21	*	*	*	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	*	.0	*	*	.0	*	.0	.0	.1	
2<5	0-3	.0	*	.0	.0	.0	.0	.0	*	.0	.0	*	
	4-10	*	.1	.1	*	.0	.0	*	.2	.0		.3	
	11-21	*	*	.0	*	.0	.0	.0	.1	.0		.2	
	22+	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	.1	.1	*	.0	.0	*	.3	.0	.0	.6	
5<10	0-3	.1	*	*	.1	.0	*	*	.2	.0	.3	.7	
	4-10	.6	.2	.1	.1	.1	.1	.2	1.2	.0		2.5	
	11-21	.7	.1	.1	*	*	*	.1	.8	.0		1.9	
	22+	.1	*	.0	*	.0	*	.0	.1	.0		.2	
	TOT %	1.5	.4	.2	.2	.1	.1	.3	2.2	.0	.3	5.2	
10+	0-3	1.6	.6	.4	.4	.2	.1	.9	1.9	.0	4.1	10.2	
	4-10	16.2	3.8	1.4	.9	.6	.9	4.5	22.4	.0		48.9	
	11-21	10.8	1.9	.4	.1	.2	.1	2.0	17.4	.0		32.9	
	22+	.7	.2	*	*	*	*	*	.8	.0		1.8	
	TOT %	27.3	6.6	2.2	1.4	1.2	1.2	7.3	42.6	.0	4.1	93.8	
	TOT OBS												6960
	TOT PCT	28.9	7.1	2.5	1.6	1.3	1.3	7.7	45.2	.0	4.4	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00E03	.2	.0	.5	2.2	6.1	3.4	2.0	1.0	.8	.8	17.0	83.0	1547
06E09	.5	.2	.6	2.8	4.8	3.0	2.2	.9	.3	.6	15.9	84.1	1266
12E15	.7	.2	.9	3.4	7.0	3.1	2.6	.5	.2	.8	18.8	81.2	1295
18E21	.3	.0	.7	3.6	7.3	4.6	2.3	.8	.3	.6	20.5	79.5	1687
TOT	23	4	31	173	366	205	130	46	25	40	1043	4702	5795
PCT	.4	.1	.5	3.0	6.4	3.6	2.3	.8	.4	.7	18.2	81.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	.1	.1	.5	4.1	95.2	1846
06E09	.1	.0	.1	.6	6.5	92.7	1567
12E15	.2	.2	.2	.9	5.8	92.7	1621
18E21	.2	*	.2	.6	5.0	93.9	2059
TOT	10	7	10	44	375	6647	7093
PCT	.1	.1	.1	.6	5.3	93.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00E03	.2	.7	3.2	14.4	82.4	1487
06E09	.5	1.2	4.7	12.0	83.3	1225
12E15	.8	1.3	5.1	14.7	80.2	1194
18E21	.3	1.0	5.6	16.1	78.8	1624
TOT	23	59	247	798	4485	5530
PCT	.4	1.1	4.5	14.4	81.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.1	.0	.0	.0	.0	3	.1
80/84	.0	.0	*	.1	.2	.1	.1	.0	25	.4
75/79	.0	*	.2	.6	1.1	1.3	.4	.1	210	3.7
70/74	.0	*	.4	2.0	5.9	8.0	5.0	1.5	1289	22.7
65/69	.0	.1	.7	3.4	8.2	14.3	15.1	5.2	2665	47.0
60/64	.0	*	.2	1.3	5.5	7.1	7.8	2.6	1398	24.7
55/59	.0	.0	.1	.1	.2	.5	.3	.1	77	1.4
50/54	.0	.0	.0	.0	.0	*	.0	.0	1	*
TOTAL	0	10	92	437	1193	1775	1623	543	5668	100.0
PCT	.0	.2	1.6	7.6	21.0	31.3	28.6	9.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	.0	.0	.0	.0	.0	*	.0	.0
.1	*	*	.0	*	*	.1	.2	.0	*
1.0	.3	.1	.1	.1	*	.3	1.6	.0	.2
6.4	2.0	.8	.6	.5	.3	2.4	8.6	.0	1.2
13.6	3.2	1.2	.7	.5	.7	3.7	21.0	.0	2.3
7.9	1.6	.4	.1	.1	.3	1.3	12.2	.0	.7
.6	.1	*	.0	.0	.0	*	.6	.0	.1
.0	.0	.0	.0	.0	.0	*	.0	.0	.0
29.6	7.3	2.6	1.5	1.2	1.3	7.8	44.2	.0	4.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	88	80	76	69	63	60	55	69.0	1672
06E09	82	74	71	66	61	59	55	66.1	1585
12E15	81	73	70	65	60	57	54	65.1	1666
18E21	90	78	75	68	62	59	54	68.3	2133
TOT	90	78	74	67	61	59	54	67.3	7256

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	14.1	24.7	32.6	23.2	5.4	72	1523
06E09	.0	4.7	16.2	28.0	36.1	14.9	78	1287
12E15	.0	3.7	16.0	39.2	36.9	14.2	78	1308
18E21	.0	13.0	25.0	39.1	21.7	6.1	72	1670
TOT	0	541	1212	1809	1663	563	75	5788

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	*	*	2	.0	*
17/19	.0	.0	.0	.0	*	.0	*	*	*	6	.0	.1
14/16	.0	.0	.0	.0	*	*	.1	.1	*	14	.0	.2
11/13	.0	.0	.0	.0	.1	.2	.1	.1	.0	28	.0	.5
9/10	.0	.0	*	.1	.1	.2	.3	.1	.0	57	.0	.9
7/8	.0	*	.1	.1	.5	.5	.2	*	.0	94	.0	1.5
6	.0	.0	*	.2	.4	.4	.1	*	.0	73	*	1.1
5	.0	*	.1	.4	.7	.7	.2	.0	.0	129	*	2.1
4	.0	*	.2	1.0	1.3	.8	.2	*	.0	211	.1	3.3
3	.0	.0	.1	.9	1.4	.8	.2	.0	.0	213	.0	3.4
2	.0	.0	.6	1.9	2.5	.7	.1	.0	.0	363	*	5.8
1	.0	.0	.5	2.3	2.5	.8	*	.0	.0	384	*	6.1
0	*	.1	1.7	5.4	3.8	.8	.1	.0	.0	740	.1	11.8
-1	.0	.1	1.8	4.5	3.3	.5	.0	.0	.0	635	*	10.2
-2	.0	.2	3.2	5.5	3.1	.4	.0	.0	.0	764	*	12.3
-3	.0	.4	2.8	4.7	2.3	.2	.0	.0	.0	639	.0	10.3
-4	*	.6	3.7	4.4	1.8	.1	.0	.0	.0	654	.1	10.5
-5	*	.5	2.5	2.8	1.3	.1	*	.0	.0	448	*	7.2
-6	*	.4	2.2	1.8	.4	*	.0	.0	.0	304	*	4.9
-7/-8	*	.6	2.1	1.7	.4	*	.0	.0	.0	302	*	4.8
-9/-10	*	.3	.8	.5	.1	*	.0	.0	.0	113	.0	1.8
-11/-13	*	.1	.3	.2	*	.0	.0	.0	.0	39	.0	.6
-14/-16	*	*	*	*	.0	.0	.0	.0	.0	7	.0	.1
-17/-19	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL	13	213	1406	2390	1617	447	102	24	4	6216	27	6189
PCT	.2	3.4	22.6	38.4	26.0	7.2	1.6	.4	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.7	.0	.0	.0	.0	2.3
1-2	.5	9.4	3.1	.0	.0	.0	13.0
3-4	.2	5.4	6.5	.2	.0	.0	12.4
5-6	.0	.6	2.4	.4	.0	.0	3.7
7	.0	.1	.9	.2	.0	.0	1.2
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	17.5	13.1	.8	.0	.0	32.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	.1	.0	.0	.0	1.1
1-2	.1	2.8	.8	.0	.0	.0	3.7
3-4	.0	1.2	1.0	.2	.0	.0	2.4
5-6	.0	.1	.7	.1	.0	.0	.8
7	.0	.1	.2	.1	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.0	2.7	.4	.0	.0	8.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.3	.0	.0	.0	.0	.6
1-2	.2	.6	.1	.0	.0	.0	.9
3-4	.1	.4	.5	.0	.0	.0	1.0
5-6	.1	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.3	.9	.0	.0	.0	2.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	*	.7	.0	.0	.0	.0	.7
3-4	*	.1	.1	.0	.0	.0	.2
5-6	*	.0	.0	.1	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.8	.1	.1	.0	.0	1.0

PERIOD: (OVER-ALL) 1963-1979 FEBRUARY AREA 0002 SOUTHWEST BAJA 23.4N 111.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.0	.3	.1	.0	.0	.0	.4
3-4	.0	.1	.1	.0	.0	.0	.1
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.2	.1	.0	.0	1.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	*	.0	.0	.0	.1
1-2	.1	.6	*	.0	.0	.0	.7
3-4	.0	.1	.2	.0	.0	.0	.2
5-6	.0	.1	*	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.8	.2	.0	.0	.0	1.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.8	.1	.0	.0	.0	.9
1-2	.4	2.1	.4	.0	.0	.0	3.2
3-4	.1	1.0	1.2	.0	.0	.0	2.3
5-6	.0	.1	.5	.0	.0	.0	.7
7	.0	.1	.2	.0	.0	.0	.3
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.3	2.5	.0	.0	.0	7.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.4	.1	.0	.0	.0	3.1
1-2	1.0	12.4	3.8	.0	.0	.0	17.2
3-4	.2	6.5	7.5	.1	.0	.0	14.4
5-6	.0	.9	3.9	.2	.0	.0	5.1
7	.0	.3	.9	.1	.0	.0	1.2
8-9	.0	.0	.4	.1	.0	.0	.4
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	22.5	16.8	.5	.0	.0	41.6

HGT	TOTAL PCT
<1	3.1
1-2	17.2
3-4	19.4
5-6	5.1
7	1.2
8-9	.4
10-11	.1
12	.0
13-16	.1
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	96.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.6	6.3	.2	.0	.0	.0	13.1	
1-2	2.7	28.6	8.3	.0	.0	.0	39.8	
3-4	.5	14.5	16.9	.5	.0	.0	32.5	
5-6	.1	2.0	7.8	.7	.0	.0	10.6	
7	.0	.5	2.1	.3	.0	.0	3.0	
8-9	.0	.0	.6	.1	.0	.0	.7	
10-11	.0	.0	.1	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.9	52.2	36.1	1.8	.0	.0	100.0	1476

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.3	19.3	19.1	7.7	2.0	.9	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2557	3
6-7	.1	2.5	6.3	7.2	3.0	1.1	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1107	5
8-9	.1	.9	2.4	2.3	2.0	.4	.2	.1	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	413	5
10-11	.0	.9	1.1	.5	.4	.4	.2	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	175	5
12-13	.0	.0	.7	.5	.2	.1	.1	*	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	82	6
>13	.0	.0	.0	.4	.2	.1	.1	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	7
INDET	4.4	1.8	1.5	.6	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	409	1
TOTAL	429	1216	1578	924	382	142	65	18	28	4	1	0	0	0	0	0	0	0	0	4787	4
PCT	9.0	25.4	33.0	19.3	8.0	3.0	1.4	.4	.6	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

AREA CODE SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.1	.1	.1	.0	.0	.0	.0	.3	.1	.1	.3	.0	.8		.0	98.4
NE	.4	.0	.4	.0	.0	.0	.0	.9	.0	.1	.3	.0	1.3		.0	97.4
E	.0	.0	.0	.0	.0	.0	.0	.0	3.0	2.6	1.1	.0	1.5		.0	91.9
SE	1.5	1.9	1.5	.0	.0	.0	.0	4.8	.0	.0	2.2	.0	.0		.0	92.9
S	.0	1.1	.0	.0	.0	.0	.0	3.4	.0	1.5	.7	1.5	1.5		.0	93.7
SW	.3	.0	1.0	.0	.0	.0	.0	1.3	1.0	.0	1.0	.0	1.3		.0	95.4
W	.3	.2	.3	.0	.0	.0	.0	.8	.1	.0	.6	.1	3.1		.0	95.2
NW	.1	.1	*	.0	.0	.0	.0	.2	.1	*	.6	*	1.9		.1	97.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	2.1	.5	1.1		.0	95.8
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.6	.1	1.7		*	97.0
TOT OBS:	7666															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.2	.1	.2	.0	.0	.0	.0	.4	.1	.0	.3	.0	2.3		.0	97.0
06&09	.2	.2	.1	.0	.0	.0	.0	.4	.1	.3	.3	.1	1.5		.1	97.2
12&15	.1	.1	.1	.0	.0	.0	.0	.3	.2	.0	.6	.1	1.4		.1	97.3
18&21	.2	.1	*	.0	.0	.0	.0	.3	.3	.0	1.1	.2	1.6		*	96.4
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.6	.1	1.7		*	97.0
TOT OBS:	7774															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	9.9	10.0	.8	*	.0		21.8	11.6	15.2	17.6	20.1	10.5	25.6	21.2	26.7	26.8
NE	.4	1.8	.8	.1	.0	.0		3.1	9.0	2.1	2.7	3.1	.2	3.5	3.5	3.6	3.7
E	.2	.5	.1	.0	.0	.0		.9	6.6	.5	.0	1.0	.8	1.3	.0	1.0	.7
SE	.2	.5	.1	*	.0	.0		.8	7.1	.5	.7	.9	.8	1.0	1.6	1.0	1.1
S	.1	.7	.1	*	.0	.0		.9	7.1	1.1	.0	.9	.4	.7	1.1	.8	1.4
SW	.2	.9	.1	*	.0	.0		1.3	7.1	2.1	1.7	.9	3.2	.6	.9	1.4	1.1
W	.9	5.9	3.1	.1	.0	.0		10.0	9.3	15.5	10.4	10.3	23.8	6.3	7.3	7.5	6.5
NW	2.0	25.7	28.5	2.3	.1	.0		58.7	11.8	61.7	66.1	59.2	60.3	58.0	62.4	55.1	58.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0	1.3	.7	3.6	.0	3.0	1.8	2.9	.7
TOT OBS	625	3780	3522	201	7	0	8215		11.0	1957	166	1758	124	1643	219	2230	142
TOT PCT	7.6	46.0	42.9	3.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.2	13.6	3.8	.2	.0		21.8	11.6	15.3	19.4	25.1	26.7
NE	1.2	1.6	.3	*	.0		3.1	9.0	2.2	2.9	3.5	3.6
E	.5	.4	*	.0	.0		.9	6.6	.5	1.0	1.1	1.0
SE	.5	.3	*	.0	.0		.8	7.1	.5	.9	1.0	1.0
S	.5	.4	*	.0	.0		.9	7.1	1.0	.9	.8	.9
SW	.7	.5	*	*	.0		1.3	7.1	2.1	1.1	.6	1.3
W	3.3	6.0	.7	.0	.0		10.0	9.3	15.1	11.2	6.9	7.5
NW	9.8	38.7	10.0	.2	.0		58.7	11.8	62.0	59.3	58.6	55.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5						2.5	.0	1.3	3.4	2.9	2.7
TOT OBS	1910	5044	1225	36	0	8215		11.0	2103	1878	1862	2372
TOT PCT	23.3	61.4	14.9	.4	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	1.3	4.3	43.8	46.5	4.1	.1	.0	11.6	100.0	2103
06609	1.4	4.7	47.0	41.6	3.4	.0	.0	10.8	100.0	1878
12615	2.9	4.4	47.7	42.1	2.9	.1	.0	10.8	100.0	1862
18621	2.7	6.6	45.9	41.3	3.3	.2	.0	10.7	100.0	2372
TOT	209	416	3760	3522	281	7	0	11.0		8215
PCT	2.5	5.1	46.0	42.9	3.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	10.6	4.4	6.3	1.5		3.2
NE	1.6	.6	.8	.1		2.9
E	.4	.2	.2	*		3.1
SE	.4	.1	.2	.2		3.7
S	.3	.2	.2	.2		4.1
SW	.6	.3	.3	.1		3.0
W	4.8	1.9	2.3	.8		3.0
NW	27.8	10.9	14.5	4.5		3.1
VAR	.0	.0	.0	.0		.0
CALM	1.7	.3	.5	.1		2.2
TOT OBS	2093	1171	1571	475	6210	3.1
TOT PCT	48.2	18.9	25.3	7.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	100 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	.0	.1	.6	1.8	1.1	.5	.1	.1	.2	18.1	
NE	*	.0	*	.1	.3	.1	.1	.1	*	*	2.5	
E	*	.0	.0	*	.1	*	*	.0	*	.0	.7	
SE	*	.0	*	*	.1	*	*	*	*	.0	.5	
S	*	.0	*	.1	.1	*	.0	*	*	.0	.6	
SW	.0	.0	.0	*	.1	*	*	*	.0	.0	1.1	
W	*	.0	.1	.3	.7	.4	.2	.1	.1	.1	7.9	
NW	.2	.1	.3	1.5	4.5	2.7	1.1	.3	.2	.3	46.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	*	.0	*	.1	.1	.1	*	.0	*	2.3	
TOT OBS	28	5	35	166	480	290	127	42	31	37	4969	6210
TOT PCT	.5	.1	.6	2.7	7.7	4.7	2.0	.7	.5	.6	80.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SOYD	= OR >0
= OR >6500	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
= OR >3500	3.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >2000	7.8	8.4	8.5	8.5	8.5	8.5	8.5	8.5
= OR >1000	15.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2
= OR >600	17.3	18.7	18.8	18.8	18.8	18.8	18.8	18.8
= OR >300	17.7	19.2	19.3	19.4	19.4	19.4	19.4	19.4
= OR >150	17.8	19.3	19.4	19.4	19.4	19.5	19.5	19.5
= OR > 0	18.1	19.6	19.8	19.9	19.9	19.9	19.9	19.9
TOTAL	1132	1231	1241	1245	1245	1247	1249	1249

TOTAL NUMBER OF OBS: 6271

PCT FREQ MM <5/8: 80.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	.	TOTAL OBS
37.8	13.5	11.9	9.3	7.1	4.3	5.8	5.2	4.8	.3	6592

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	*	.0	.0	.0	*	*	.0	.0	.1	
	TOT %	*	.0	*	.0	.0	.0	*	*	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	TOT %	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
1<2	PCP	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	.0	.0	.0	.1	.0	*	.1	
	TOT %	*	*	.0	.0	.0	.0	.0	.1	.0	*	.1	
2<5	PCP	.0	.0	.0	*	.0	.0	*	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	*	*	*	.2	.0	.0	.3	
	TOT %	*	.0	.0	*	*	*	.1	.2	.0	.0	.4	
5<10	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	1.2	.1	.1	*	.1	.1	.6	3.9	.0	.1	6.0	
	TOT %	1.2	.1	.1	*	.1	.1	.6	3.9	.0	.1	6.1	
10+	PCP	*	*	.0	*	*	*	.1	.1	.0	*	.2	
	NO PCP	20.5	2.9	.8	.8	.8	1.2	9.3	54.5	.0	2.3	93.1	
	TOT %	20.5	2.9	.8	.8	.8	1.2	9.4	54.6	.0	2.3	93.3	
	TOT OBS												7633
	TOT PCT	21.8	3.0	.9	.9	.9	1.3	10.0	58.0	.0	2.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	4-10	*	*	*	.0	.0	.0	*	.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	.0	.0	.0	*	.1	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	.0	.0	.0	.0	*	.0	*	*	
1<2	0-3	*	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	4-10	.0	*	.0	.0	.0	.0	*	.1	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	.0	.0	*	.1	.0	*	.2	
2<5	0-3	*	.0	.0	.0	.0	*	*	*	.0	.0	*	
	4-10	.0	.0	.0	*	*	*	*	.2	.0		.3	
	11-21	*	*	.0	.0	.0	.0	.1	.1	.0		.2	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	*	*	.0	*	*	*	.1	.3	.0	.0	.5	
5<10	0-3	*	*	*	.0	.0	.0	*	.2	.0	.2	.5	
	4-10	.6	.1	*	*	.1	.1	.3	2.1	.0		3.2	
	11-21	.5	*	.0	.0	.0	.0	.2	1.4	.0		2.2	
	22+	.1	.0	.0	*	*	.0	.0	.2	.0		.3	
	TOT %	1.2	.1	.1	*	.1	.1	.5	3.9	.0	.2	6.2	
10+	0-3	.9	.4	.2	.2	.1	.2	.8	1.8	.0	2.4	7.0	
	4-10	9.2	1.7	.5	.5	.5	.6	5.6	23.1	.0		41.9	
	11-21	9.5	.7	.1	.1	.1	.1	2.9	27.4	.0		40.9	
	22+	.8	.1	.0	*	*	*	.1	2.2	.0		3.2	
	TOT %	20.4	2.9	.8	.8	.8	1.2	9.4	54.5	.0	2.4	93.0	
	TOT OBS												7947
	TOT PCT	21.6	3.0	.9	.9	.9	1.2	10.0	58.9	.0	2.6	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1875-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.0	.5	1.7	6.2	3.7	2.2	.6	.5	.8	16.4	83.6	1729
06&09	.5	.1	.3	2.0	6.7	3.4	1.8	.6	.1	.5	16.2	83.8	1514
12&15	.7	.2	.7	4.6	9.2	4.6	1.7	.4	.4	.4	22.9	77.1	1377
18&21	.5	.0	.6	2.4	7.9	6.0	2.1	1.0	.7	.5	21.9	78.1	1878
TOT	29	5	35	170	484	293	129	43	31	38	1257	5241	6498
PCT	.4	.1	.5	2.6	7.4	4.5	2.0	.7	.5	.6	19.3	80.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	*	.0	.5	4.8	94.6	2050
06&09	.2	.0	.1	.4	6.4	93.0	1873
12&15	.2	.0	.3	.7	7.9	90.8	1812
18&21	.3	.1	.3	.4	5.6	93.3	2320
TOT	13	3	13	42	493	7491	8055
PCT	.2	*	.2	.5	6.1	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.2	.7	2.6	14.4	83.0	1680
06&09	.6	1.0	3.4	13.7	82.9	1454
12&15	.7	1.7	6.5	16.9	76.5	1334
18&21	.6	1.3	4.1	19.0	76.9	1803
TOT	31	73	253	1009	5009	6271
PCT	.5	1.2	4.0	16.1	79.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	*	.0	.0	*	*	*	.0	.0	5	.1
80/84	.0	.1	.1	.1	.2	*	*	.0	32	.5
75/79	.0	.0	.1	.6	1.0	1.0	.2	.1	189	3.0
70/74	.0	*	.1	1.4	4.8	6.3	3.1	1.1	1076	16.9
65/69	.0	*	.2	1.7	7.0	14.2	14.9	4.7	2727	42.8
60/64	.0	*	.1	1.0	4.9	9.6	13.5	5.2	2190	34.4
55/59	.0	.0	.0	*	.2	.6	1.0	.6	155	2.4
50/54	.0	.0	.0	.0	.0	.0	*	.0	1	*
TOTAL	1	9	36	309	1152	2027	2096	745	6375	100.0
PCT	*	.1	.6	4.8	18.1	31.8	32.9	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	*	.0	.0	.0	.0	*	.0	.0
.1	*	.0	*	.0	*	.1	.2	.0	*
.6	.1	*	.1	*	.1	.4	1.5	.0	.2
3.9	.7	.2	.1	.4	.3	2.1	8.5	.0	.7
10.1	1.3	.4	.4	.2	.5	4.1	24.7	.0	1.1
7.5	1.0	.2	.3	.3	.3	2.8	21.5	.0	.5
.6	.1	*	*	.0	*	.1	1.7	.0	*
*	*	.0	.0	.0	.0	.0	.0	.0	.0
22.7	3.2	.9	.9	.9	1.2	9.4	58.2	.0	2.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	81	76	68	62	60	54	68.2	2100
06&09	84	73	70	65	60	58	55	65.0	1900
12&15	84	72	69	64	59	57	55	63.9	1871
18&21	85	78	74	67	61	59	54	67.6	2381
TOT	88	78	74	66	60	58	54	66.3	8252

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	7.7	23.2	35.9	27.0	6.2	74	1675
06&09	.0	3.1	10.2	28.4	39.7	18.6	80	1529
12&15	.0	3.0	12.0	25.1	43.0	16.9	80	1422
18&21	.1	7.6	24.8	35.8	25.0	7.0	74	1840
TOT	1	358	1169	2051	2130	758	77	6466

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1975-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	43 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	NO FOG
20/22	.0	.0	.0	.0	*	.0	*	*	*	5	.0	.1
17/19	.0	.0	.0	.0	.0	*	.0	*	*	6	.0	.1
14/16	.0	.0	.0	*	*	.1	.1	*	.0	16	.0	.2
11/13	.0	.0	.0	.1	.1	.3	.3	.1	*	64	.0	.9
9/10	.0	.0	.1	.1	.3	.4	.2	*	.0	78	.0	1.1
7/8	.0	.0	.1	.3	.7	.6	.2	.1	.0	139	.0	1.9
6	.0	.0	.1	.4	.8	.5	.2	*	.0	136	*	1.9
5	.0	*	.3	.8	1.2	.8	.1	*	.0	229	*	3.2
4	.0	*	.4	1.2	1.4	.7	.1	*	.0	269	*	3.7
3	.0	.1	.3	1.6	1.3	.5	.1	.0	.0	273	*	3.8
2	.0	.1	1.1	2.8	2.1	.6	.1	.0	.0	484	.1	6.7
1	.0	.1	1.3	2.8	1.6	.3	*	.0	.0	431	*	6.0
0	.0	.3	3.9	4.2	2.4	.4	*	.0	.0	803	.1	11.2
-1	*	.3	3.3	4.0	1.6	.3	*	.0	.0	607	.1	9.5
-2	.0	.6	5.2	4.6	1.8	.2	*	.0	.0	883	.1	12.2
-3	.0	.8	3.5	3.6	1.5	*	.0	.0	.0	678	*	9.4
-4	.0	1.0	4.0	3.3	.7	.1	.0	.0	.0	658	*	9.1
-5	.1	.7	2.8	2.8	.7	.1	.0	.0	.0	514	.1	7.1
-6	.1	.6	1.9	1.6	.2	*	.0	.0	.0	314	*	4.4
-7/-8	*	.6	2.2	1.5	.2	*	.0	.0	.0	318	.0	4.4
-9/-10	.0	.3	.9	.5	*	*	.0	.0	.0	122	*	1.7
-11/-13	*	.1	.4	.1	.1	.0	.0	.0	.0	46	.0	.6
-14/-16	.0	.0	*	*	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	*	.0	.0	.0	.0	.0	.0	2	.0	*
-20/-22	.0	*	*	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	14 396		2277 2585		1338 425		96	25	5	7161	45	7116
PCT	.2	5.5	31.8	36.1	18.7	5.9	1.3	.3	.1	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.3	*	.0	.0	.0	1.8
1-2	.1	4.4	2.7	.0	.0	.0	7.2
3-4	.1	3.2	5.6	.2	.0	.0	9.1
5-6	.1	1.3	3.4	.5	.0	.0	5.1
7	.0	.2	1.0	.3	.1	.0	1.5
8-9	.0	.0	.3	.3	.0	.0	.6
10-11	.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	10.3	13.1	1.4	.1	.0	25.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.1	.0	.0	.0	.7
1-2	.1	1.0	.3	.0	.0	.0	1.4
3-4	.1	.7	.5	*	.0	.0	1.3
5-6	.0	.1	.2	.0	.0	.0	.3
7	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.4	1.1	*	.0	.0	3.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	*	.0	.0	.0	.0	*
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	.3	.1	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.2	.0	.0	.0	.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1
1-2	.1	.2	.1	.0	.0	.0	.4
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.5	.1	.1	.0	.0	.8

MARCH

PERIOD: (OVER-ALL) 1963-1979 AREA C002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.C	.0	.2
1-2	.2	.2	.0	.0	.C	.0	.3
3-4	.0	.2	.0	.0	.C	.0	.2
5-6	.0	.1	*	.0	.C	.0	.1
7	.0	.0	.0	.0	.C	.0	.0
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.1	.C	.0	.1
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.2	.6	*	.1	.C	.0	.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.C	.0	.4
1-2	.1	.3	*	.0	.C	.C	.5
3-4	.1	.1	.1	.0	.C	.0	.2
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.C	.0	.0
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.C	.0	.0	.C	.0	.C
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.2	.7	.2	.0	.0	.0	1.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.6	.1	.0	.C	.0	1.0
1-2	.3	2.5	.6	.0	.C	.0	3.4
3-4	.1	1.6	.9	.0	.C	.0	2.6
5-6	.0	.3	.4	*	.C	.0	.7
7	.0	.0	*	.0	.C	.0	*
8-9	.0	*	.0	.0	.C	.0	*
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.6	5.0	2.0	*	.C	.0	7.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.0	.1	.0	.0	.0	2.7
1-2	.6	12.7	6.3	.0	.C	.0	19.6
3-4	.9	5.1	12.1	.5	.C	.0	18.1
5-6	.1	2.0	8.4	.9	.C	.0	11.3
7	.0	.3	2.2	.6	.1	.0	3.2
8-9	.0	.1	.7	.6	.0	.0	1.4
10-11	.0	.0	.2	.3	.C	.C	.5
12	.0	.0	.0	.1	.C	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.C	.0	.0	.0	.C
TOT PCT	1.6	22.4	30.0	3.0	.1	.0	57.0

HGT	PCT	TOTAL PCT
<1	2.7	
1-2	19.6	
3-4	18.1	
5-6	11.3	
7	3.2	
8-9	1.4	
10-11	.5	
12	.1	
13-16	.0	
17-19	.0	
20-22	.0	
23-25	.0	
26-32	.0	
33-40	.0	
41-48	.0	
49-60	.0	
61-70	.0	
71-86	.0	
87+	.0	
TOT PCT	57.0	98.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.8	4.9	.3	.0	.0	.0	9.0	
1-2	1.7	21.8	9.8	.0	.0	.0	33.3	
3-4	.8	11.3	19.2	.7	.0	.0	32.0	
5-6	.1	3.7	12.4	1.4	.0	.0	17.5	
7	.0	.7	3.3	.9	.2	.0	5.0	
8-9	.0	.1	1.1	.9	.0	.0	2.1	
10-11	.0	.0	.3	.6	.0	.0	.9	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.C	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1801
TOT PCT	6.5	42.9	46.9	4.5	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.6	16.3	19.6	10.0	3.0	1.0	.3	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	3099	3
6-7	*	1.5	7.2	8.3	3.5	1.7	.8	.1	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	1334	5
8-9	*	.5	1.7	2.4	2.0	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	482	6
10-11	.0	.6	.8	.8	.6	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	205	5
12-13	.0	.0	.6	.6	.4	.1	.1	.1	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	114	6
>13	.0	.0	.0	.4	.3	.1	.1	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	51	7
INDET	2.9	1.6	1.6	.9	.4	.4	.1	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0	452	3
TOTAL	375	1182	1803	1336	582	269	117	35	26	4	5	3	0	0	0	0	0	0	0	5737	4
PCT	6.5	20.6	31.4	23.3	10.1	4.7	2.0	.6	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.2	.0	.0	.0	.0	.0	.0	.2	.1	.0	.5	.1	2.0	.0		97.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	2.0	.0		96.7
E	1.9	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	12.0	.0		86.1
SE	1.0	.0	.0	.0	.0	.0	.0	1.0	4.1	.0	.0	.0	17.3	1.0		76.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	2.7	2.0		93.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	7.0	.0		92.1
W	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	1.1	.3	5.0	.1		93.3
NW	*	*	.1	.0	.0	.0	.0	.1	.1	*	.6	.2	3.2	*		95.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	5.6	.0		91.0
TOT PCT	.1	*	.1	.0	.0	.0	.0	.1	.1	*	.7	.2	3.4	*		95.5
TOT OBS:	7910															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.1	*	*	.0	.0	.0	.0	.2	.1	.0	.3	*	4.7	*		96.5
06E09	.0	.0	.1	.0	.0	.0	.0	.1	.1	.1	.4	.1	2.3	.0		97.0
12E15	.1	.0	.1	.0	.0	.0	.0	.1	.0	.1	.7	.0	2.2	.1		96.9
18E21	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	1.3	.4	3.8	*		94.2
TOT PCT	.1	*	.1	.0	.0	.0	.0	.1	.1	*	.7	.2	3.4	*		95.5
TOT OBS:	7966															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	6.7	9.8	.8	*	.0		17.9	12.7	13.4	13.7	16.8	8.6	19.8	19.2	21.7	22.6
NE	.1	.8	.3	*	.0	.0		1.2	9.1	.8	1.0	1.5	.0	1.3	3.4	1.3	.8
E	.1	.3	*	*	.0	.0		.5	6.9	.2	1.4	.6	.9	.4	.2	.7	1.6
SE	*	.2	*	.0	.0	.0		.3	7.2	.2	.0	.1	.0	.2	.5	.7	.0
S	.2	.2	.1	.0	.0	.0		.4	7.5	.6	.0	.5	.0	.3	.2	.5	.0
SW	.2	.7	.2	.0	.0	.0		1.0	7.1	1.3	.8	.8	1.8	.8	.7	1.1	2.4
W	.9	6.4	4.2	.1	.0	.0		11.7	10.1	16.8	9.7	11.9	20.0	8.1	10.8	9.5	6.9
NW	1.3	24.8	36.1	2.8	*	.0		64.9	12.7	65.9	71.8	65.5	66.8	66.2	62.4	62.6	60.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	1.0	1.6	2.2	1.8	2.6	2.5	1.9	1.8
TOT OBS	447	3362	4251	307	5	0	8372		12.0	2069	124	1790	110	1697	201	2259	126
TOT PCT	5.3	40.2	50.8	3.7	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	11.6	3.8	.1	.0		17.9	12.7	13.4	16.3	19.7	21.8
NE	.4	.8	*	*	.0		1.2	9.1	.8	1.4	1.5	1.2
E	.3	.2	*	*	.0		.5	6.9	.2	.6	.6	.7
SE	.1	.2	*	.0	.0		.3	7.2	.2	.1	.3	.6
S	.2	.2	*	.0	.0		.4	7.5	.6	.4	.3	.4
SW	.5	.5	*	.0	.0		1.0	7.1	1.2	.8	.8	1.2
W	3.1	7.3	1.2	*	.0		11.7	10.1	16.4	12.4	8.4	9.4
NW	7.8	43.0	13.7	.4	.0		64.9	12.7	66.2	65.6	65.8	62.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	1.0	2.2	2.6	2.1
TOT OBS	1402	5344	1578	48	0	8372		12.0	2103	1900	1894	2385
TOT PCT	16.7	63.8	18.9	.6	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.0	3.0	36.0	55.4	4.4	.1	.0	12.7	100.0	2193
06&09	2.2	2.9	41.5	49.7	3.6	.0	.0	11.9	100.0	1900
12&15	2.6	3.1	41.4	50.2	2.7	.0	.0	11.6	100.0	1894
18&21	2.1	4.4	41.9	47.8	3.8	.1	.0	11.7	100.0	2385
TOT	163	285	3362	4250	307	5	0	12.0		8372
PCT	1.9	3.4	40.2	50.8	3.7	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	8.7	3.2	5.0	1.7		3.3
NE	.5	.3	.3	.1		3.2
E	.2	.1	.1	.1		3.6
SE	.2	.1	.1	*		2.9
S	.3	.1	*	.1		2.5
SW	.5	.2	.2	.1		2.8
W	6.0	1.9	2.4	1.0		2.9
NW	31.8	12.1	15.6	5.1		3.1
VAR	.0	.0	.0	.0		.0
CALM	1.2	.2	.3	.2		2.5
TOT OBS	3148	1155	1540	537	6380	3.1
TOT PCT	49.3	18.1	24.1	8.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT;NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	*	.1	.1	.8	1.8	.9	.4	.1	.1	.1	14.1	
NE	*	*	*	*	.1	.1	*	*	.0	.0	.9	
E	.0	.0	.0	.0	.1	*	*	.0	*	.0	.3	
SE	.0	.0	.0	.0	*	*	.0	*	*	.0	.3	
S	.0	.0	.0	.0	*	*	*	.0	.0	.0	.4	
SW	*	.0	*	*	*	*	*	.0	*	.0	.8	
W	.1	*	.1	.3	.8	.5	.2	*	.1	.1	9.2	
NW	.3	.1	.5	2.1	4.8	2.9	1.3	.4	.3	.4	51.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	*	*	.1	.1	*	*	.0	.0	*	1.4	
TOT OBS	26	14	51	214	495	282	132	34	34	36	5062	6380
TOT PCT	.4	.2	.8	3.4	7.8	4.4	2.1	.5	.5	.6	79.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >0.0Y0	= OR >0
= OR >6500	.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >3500	3.0	3.5	3.6	3.6	3.6	3.6	3.6	3.6
= OR >2000	6.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0
= OR >1000	13.9	15.7	15.8	15.8	15.8	15.8	15.8	15.8
= OR >600	16.8	19.0	19.2	19.2	19.2	19.2	19.2	19.2
= OR >300	17.4	19.7	20.0	20.0	20.0	20.0	20.0	20.0
= OR >150	17.5	19.9	20.2	20.2	20.2	20.2	20.2	20.2
= OR > 0	17.7	20.1	20.5	20.5	20.6	20.6	20.6	20.7
TOTAL	1197	1293	1314	1315	1319	1321	1325	1326

TOTAL NUMBER OF OBS: 6418

PCT FREQ NH <5/8: 79.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
37.9	14.0	11.2	8.7	7.2	4.6	5.7	4.8	5.6	.3	6742

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	•	.0	.0	.0	•	
<1/2	NO PCP	•	•	.0	.0	•	•	•	.1	.0	•	.2	
	TOT %	•	•	.0	.0	•	•	.1	.1	.0	•	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	•	.0	.0	.0	.0	.0	•	•	.0	•	.1	
	TOT %	•	.0	.0	.0	.0	.0	•	•	.0	•	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	•	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	TOT %	•	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	PCP	•	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
2<5	NO PCP	.1	.0	.0	•	.0	•	.2	.4	.0	.0	.6	
	TOT %	.1	.0	.0	•	.0	•	.2	.4	.0	.0	.6	
	PCP	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
5<10	NO PCP	1.3	•	.1	•	•	.1	1.1	5.4	.0	.3	8.4	
	TOT %	1.3	•	.1	•	•	.1	1.1	5.5	.0	.3	8.4	
	PCP	•	.0	•	•	.0	.0	.0	•	.0	.0	.1	
10+	NO PCP	16.8	1.2	.4	.2	.4	.9	10.2	58.8	.0	1.5	90.6	
	TOT %	16.9	1.2	.4	.2	.4	.9	10.2	58.9	.0	1.5	90.6	
	TOT OBS												7901
	TOT PCT	16.3	1.3	.5	.3	.5	1.0	11.6	64.8	.0	1.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	•	•	.0	.0	.0	.0	.0	•	.0	•	.1	
<1/2	4-10	.0	•	.0	.0	•	•	.1	.1	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	•	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	•	.0		•	
	TOT %	•	•	.0	.0	•	•	.1	.1	.0	•	.3	
	0-3	.0	.0	.0	.0	.0	.0	•	•	.0	•	•	
1/2<1	4-10	•	.0	•	.0	.0	.0	.0	•	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	.0	•	.0	.0	.0	•	•	.0	•	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	•	•	.0		•	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	•	.0	.0	.0	.0	.0	.0	•	.0		•	
	TOT %	•	.0	.0	.0	.0	.0	•	•	.0	.0	•	
	0-3	.0	.0	.0	•	.0	•	•	•	.0	.0	•	
2<5	4-10	•	.0	.0	•	.0	.0	.1	.3	.0		.4	
	11-21	.1	.0	.0	.0	.0	.0	.1	.2	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	TOT %	.1	.0	.0	•	.0	•	.2	.6	.0	.0	.9	
	0-3	•	.0	•	•	•	•	.1	.1	.0	.3	.5	
5<10	4-10	.6	•	•	•	•	.1	.6	2.3	.0		3.8	
	11-21	.5	•	.0	.0	.0	•	.4	2.8	.0		3.7	
	22+	•	•	.0	.0	.0	.0	•	.2	.0		.3	
	TOT %	1.3	•	.1	•	•	.1	1.1	5.4	.0	.3	8.3	
	0-3	.5	.1	.1	•	.1	.2	.8	1.2	.0	1.5	4.6	
10+	4-10	6.0	.8	.3	.2	.2	.6	5.6	21.8	.0		35.4	
	11-21	9.3	.3	•	•	.1	.2	3.8	33.2	.0		46.9	
	22+	.8	•	•	.0	.0	.0	.1	2.4	.0		3.4	
	TOT %	16.6	1.2	.4	.2	.4	.9	10.3	58.6	.0	1.6	90.3	
	TOT OBS												8170
	TOT PCT	18.0	1.2	.5	.3	.5	1.0	11.7	64.8	.0	1.9	100.0	

APRIL

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >5/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.2	.2	.3	2.1	6.4	2.9	1.3	.5	.5	.4	14.8	85.2	1802
06E09	.1	.1	.5	3.1	5.6	4.1	1.4	.3	.1	.5	15.9	84.1	1505
12E15	.7	.1	1.4	4.0	10.6	4.9	2.2	.7	.6	.4	26.1	73.9	1439
18E21	.6	.4	.9	3.9	7.6	5.0	2.9	.5	.8	.5	23.0	77.0	1942
TOT	27	14	51	217	501	283	132	34	34	36	1329	5359	6688
PCT	.4	.2	.8	3.2	7.5	4.2	2.0	.5	.5	.5	19.9	80.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	*	*	.0	.9	7.5	91.5	2149
06E09	.2	.1	.1	.6	8.4	90.6	1874
12E15	.3	.3	.0	1.1	9.4	88.9	1846
18E21	.5	.1	*	1.1	8.1	90.2	2356
TOT	22	10	3	77	683	7430	8225
PCT	.3	.1	*	.9	8.3	90.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >5/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.2	.7	3.3	12.5	84.2	1733
06E09	.1	1.0	4.6	12.4	83.0	1432
12E15	.8	2.5	7.4	20.3	72.4	1382
18E21	.6	2.1	6.4	17.7	75.8	1871
TOT	28	100	346	1006	5066	6418
PCT	.4	1.6	5.4	15.7	78.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	*	.0	.0	.0	*	.0	.0	.0	2	*
80/84	.0	*	*	.0	.1	.1	*	.0	18	.3
75/79	.0	*	*	.4	.7	.9	.3	.1	161	2.4
70/74	.0	.0	.1	.9	4.0	6.6	3.7	1.0	1002	16.2
65/69	.0	*	.1	.6	4.2	13.7	16.0	5.9	2709	40.6
60/64	.0	.0	*	.2	2.7	9.2	17.7	7.7	2504	37.6
55/59	.0	.0	.0	*	.1	.6	1.3	.8	187	2.8
50/54	.0	.0	.0	.0	.0	*	.0	.0	2	*
TOTAL	1	5	19	149	793	2264	2603	1031	6665	100.0
PCT	*	.1	.3	2.2	11.9	31.0	39.1	15.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.0	.0	.0	*	.0	.0
80/84	.1	*	*	.0	.0	.0	*	.1	.0	.0
75/79	.6	.1	*	.1	.1	*	.3	1.3	.0	*
70/74	3.3	.3	.1	*	.1	.2	2.1	9.9	.0	.3
65/69	7.8	.5	.2	.2	.2	.5	5.2	25.3	.0	.7
60/64	6.7	.4	.2	.1	.1	.2	3.3	25.8	.0	.7
55/59	.5	*	*	.0	.0	.0	.2	2.1	.0	*
50/54	.0	.0	.0	.0	.0	.0	.0	*	.0	.0
	19.0	1.4	.6	.3	.5	.9	11.0	69.6	.0	1.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00403	85	79	75	67	62	60	57	67.7	2185
06409	84	72	70	64	60	58	54	64.4	1896
12415	86	73	69	63	59	57	54	63.7	1888
18421	87	78	74	67	61	59	56	67.4	2379
TOT	87	77	73	66	60	58	54	66.0	8348

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	3.6	17.1	37.2	33.4	8.8	77	1700
06E09	.0	.8	6.1	21.2	47.7	24.2	83	1533
12E15	.1	1.2	4.9	23.4	47.0	23.3	83	1482
18E21	.0	4.1	16.9	39.0	31.3	8.7	76	1920
TOT	1	174	794	2083	2623	1040	79	6715

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1870-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	WO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
20/22	.0	.0	.0	.0	*	.0	.0	*	.0	2	.0	*
17/19	.0	.0	.0	.0	*	*	*	*	*	6	.0	.1
14/16	.0	.0	*	.0	.1	.1	.1	.1	.0	26	.0	.4
11/13	.0	.0	*	.1	.2	.4	.2	.1	.0	67	.0	.9
9/10	.0	.0	.1	.2	.5	.5	.2	.1	.0	112	.0	1.5
7/8	.0	.0	.1	.6	1.0	.6	.2	*	.0	189	.0	2.6
6	.0	.0	.1	.5	.8	.5	*	.0	.0	143	.0	2.0
5	.0	.0	.2	1.2	1.5	.4	.1	.0	.0	244	*	3.4
4	.0	.0	.6	1.9	1.4	.4	.1	.0	.0	321	*	4.4
3	.0	*	.8	1.9	1.0	.4	.1	.0	.0	311	*	4.2
2	.0	.2	1.9	3.2	1.8	.3	.1	.0	.0	544	.1	7.4
1	.0	.3	2.1	3.1	1.3	.4	.0	.0	.0	516	.0	7.1
0	.0	.6	4.9	4.5	1.9	.4	.0	.0	.0	889	.1	12.1
-1	.0	.4	4.0	3.4	1.4	.2	.0	.0	.0	685	*	9.4
-2	*	1.0	5.0	3.9	1.4	.2	.0	.0	.0	836	.1	11.4
-3	*	1.1	3.8	2.6	1.0	.1	*	.0	.0	621	.1	8.5
-4	*	.9	3.7	2.6	.9	.1	.0	.0	.0	595	*	8.2
-5	.0	.8	2.7	2.1	.6	*	*	.0	.0	445	*	6.1
-6	*	.6	1.4	1.1	.2	*	.0	.0	.0	242	*	3.3
-7/-8	*	.6	1.7	1.4	.2	.0	.0	.0	.0	287	*	3.9
-9/-10	*	.2	.7	.4	*	*	.0	.0	.0	103	*	1.4
-11/-13	*	.2	.3	.1	*	*	.0	.0	.0	46	.0	.6
-14/-16	*	.1	.1	.0	*	.0	.0	.0	.0	13	.0	.2
-17/-19	.0	.0	.1	*	.0	.0	.0	.0	.0	7	.0	.1
-20/-22	.0	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	19	488	2482	2529	1260	379	77	16	2	7252	46	7206
PCT	.3	6.7	34.2	34.9	17.4	5.2	1.1	.2	*	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.6	.0	.0	.0	.0	.8
1-2	.2	3.9	2.4	.0	.0	.0	6.5
3-4	.1	2.1	4.9	.2	.0	.0	7.3
5-6	.0	.5	3.2	.4	.0	.0	4.0
7	.0	.2	1.6	.4	.0	.0	2.2
8-9	.0	.0	.2	.1	.0	.0	.3
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	7.3	12.4	1.3	.0	.0	21.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.6	.1	.0	.0	.0	.7
3-4	.1	.4	.2	.0	.0	.0	.7
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.0	.0	.0	.0	.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.1	.3	.0	.0	.0	.0	.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.0	.0	.0	.0	.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	.0	.0	.1
1-2	.0	*	.0	.0	.0	.0	*
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	.1	.0	.0	.0	.2

APRIL

PERIOD: (OVER-ALL) 1963-1979 — AREA 0002 SOUTHWEST BAJA 23.4N 111.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.2	.0	.0	.0	.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	.0	.0	.1
1-2	.0	.3	.1	.0	.0	.0	.4
3-4	.1	*	*	.0	.0	.0	.1
5-6	.0	*	.1	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.2	.0	.0	.0	.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	*	.0	.0	.0	1.1
1-2	.3	2.9	1.0	.0	.0	.0	4.1
3-4	.0	1.9	1.6	.1	.0	.0	3.6
5-6	.0	.5	.9	.1	.0	.0	1.5
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	6.1	3.7	.3	.0	.0	10.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	1.1	.2	.0	.0	.0	1.7	
1-2	.4	10.1	6.7	.0	.0	.0	17.2	
3-4	.0	8.1	15.5	.5	.0	.0	24.2	
5-6	.0	1.5	10.7	1.0	.0	.0	13.3	
7	.0	.3	3.7	.8	.0	.0	4.8	
8-9	.0	.0	.7	.2	.0	.0	.9	
10-11	.0	.0	.2	.2	.0	.0	.4	
12	.0	.0	*	.1	.0	.0	.2	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	21.2	38.0	3.0	.0	.0	62.8	98.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.7	2.9	.3	.0	.0	.0	5.8	
1-2	1.0	18.1	10.2	.0	.0	.0	29.3	
3-4	.2	12.6	22.3	.9	.0	.0	36.0	
5-6	.0	2.6	15.0	1.6	.0	.0	19.2	
7	.0	.5	5.5	1.2	.0	.0	7.2	
8-9	.0	.1	1.0	.3	.0	.0	1.4	
10-11	.0	.0	.3	.3	.0	.0	.6	
12	.0	.0	.2	.1	.0	.0	.3	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1751
TOT PCT	3.8	36.7	54.9	4.6	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.4	13.8	20.4	10.2	3.9	1.2	.4	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3117	3
6-7	*	2.1	7.4	8.5	4.7	2.0	.8	.4	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	1547	5
8-9	*	.5	2.0	2.4	2.6	.8	.5	.1	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	547	6
10-11	.0	.4	.7	.8	.9	.4	.2	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	208	6
12-13	.0	.0	.6	.4	.3	.2	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	6
>13	.0	.0	.0	.4	.2	.2	.1	*	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	60	7
INDET	1.9	1.2	1.2	.9	.3	.3	.1	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	359	3
TOTAL	259	1072	1918	1399	763	307	131	42	36	8	3	0	0	0	0	0	0	0	0	5938	4
PCT	4.4	18.1	32.3	23.6	12.8	5.2	2.2	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.1	.1	.1	.0	.0	.0	.0	.2	.4	.1	.4	.0	2.6		.1	96.2
NE	1.2	.0	.0	.0	.0	.0	.0	1.2	1.2	.0	.6	.0	4.1		.0	92.9
E	.0	.0	3.3	.0	.0	.0	.0	3.3	.0	.0	10.0	.0	8.3		.0	78.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	7.3		.0	86.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	7.2		.0	88.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	2.5		.0	96.2
W	.1	.0	.0	.0	.0	.0	.0	.1	.0	.1	2.9	.0	7.0		.1	89.8
NW	*	.1	*	.0	.0	.0	.0	.1	.1	*	1.4	.1	4.6		.1	93.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	8.8	.0	3.5		.9	86.0
TOT PCT	*	*	*	.0	.0	.0	.0	.1	.1	*	1.6	.1	4.6		.1	93.4
TOT OBS:	8676															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	*	.0	.0	.0	.0	.0	.0	*	.1	.0	1.0	.0	5.9		*	92.9
06&09	.1	.0	.0	.0	.0	.0	.0	.1	.2	.0	.9	.0	3.1		.1	95.6
12&15	.1	.2	.1	.0	.0	.0	.0	.3	.1	.2	2.3	.2	3.9		.1	93.1
18&21	.0	*	.0	.0	.0	.0	.0	*	.2	*	2.2	.1	5.1		.1	92.3
TOT PCT	*	*	*	.0	.0	.0	.0	.1	.1	*	1.6	.1	4.6		.1	93.4
TOT OBS:	8720															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	5.8	7.5	.5	*	.0		14.3	12.3	11.9	9.0	13.7	10.1	16.4	13.3	16.2	9.2
NE	.1	.6	.2	*	.0	.0		1.0	9.6	.7	1.4	1.0	.0	1.0	.8	1.1	1.5
E	*	.2	.1	.C	.0	.0		.3	9.2	.2	.5	.5	.0	.4	.2	.4	.0
SE	.2	.2	.1	.C	.0	.0		.5	7.5	.5	.0	.3	.4	.5	.6	.8	.0
S	.1	.3	*	.0	.0	.0		.4	6.6	.4	.0	.3	.4	.3	1.0	.4	.7
SW	.2	.5	.2	*	*	.0		.9	8.0	1.2	.0	.8	2.1	.8	.6	.9	1.0
W	.7	6.2	5.4	.1	.0	.0		12.5	10.9	17.2	16.6	12.5	16.2	8.8	13.1	10.7	11.2
NW	1.4	22.8	42.1	2.4	*	.0		68.7	13.0	67.3	71.9	68.8	70.8	69.6	69.5	68.5	76.3
VAR	.0	.0	.0	.C	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	.7	.6	2.1	.0	2.2	.8	.9	.0
TOT OBS	414	3375	5145	296	9	0	9234		12.3	2203	163	1930	119	1896	239	2535	149
TOT PCT	4.5	36.5	55.7	3.2	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	9.6	2.8	.1	.0		14.3	12.3	11.7	13.5	16.0	15.8
NE	.3	.5	.1	*	.0		1.0	9.6	.7	.9	1.0	1.1
E	.1	.2	*	.0	.0		.3	9.2	.2	.4	.4	.3
SE	.3	.2	.1	.0	.0		.5	7.5	.5	.3	.5	.6
S	.2	.1	*	.C	.0		.4	6.6	.3	.3	.4	.4
SW	.5	.3	.1	*	.0		.9	8.0	1.1	.9	.7	.9
W	2.8	7.9	1.8	*	.0		12.5	10.9	17.2	12.8	9.3	10.7
NW	7.1	45.8	15.5	.3	.0		68.7	13.0	67.7	68.9	69.6	68.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	.7	2.0	2.0	.9
TOT OBS	1348	5974	1872	40	0	9234		12.3	2366	2049	2135	2684
TOT PCT	14.6	64.7	20.3	.4	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

AREA 0002 SOUTHWEST BAJA
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0C603	.7	2.3	33.8	59.3	3.8	.1	.C	12.9	100.0	2366
06609	2.0	3.3	37.4	54.2	3.C	*	.0	12.2	100.0	2049
12615	2.0	3.5	39.6	52.4	2.5	.0	.0	11.8	100.0	2135
18621	.9	3.5	35.9	56.3	3.4	*	.0	12.4	100.0	2684
TOT	124	290	3375	5145	296	4	C	12.3		9234
PCT	1.3	3.1	36.5	55.7	3.2	*	.C		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.0	3.1	5.1	2.3		4.2
NE	.4	.3	.2	.2		3.7
E	.1	.1	.1	.1		4.2
SE	.2	.1	.1	.1		3.9
S	.1	.1	.1	*		4.2
SW	.4	.2	.3	.1		3.4
W	5.7	1.8	2.7	1.4		3.3
NW	29.2	11.5	17.6	10.0		3.6
VAR	.0	.0	.0	.0		.0
CALM	.6	.1	.2	.4		3.7
TOT OBS	2922	1213	1859	1023	7017	3.7
TOT PCT	41.6	17.3	26.5	14.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	0C0 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	65CC 8000 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	*	*	.1	.9	2.6	1.2	.4	.1	*	*	1C.C	
NE	*	.0	*	.1	.1	*	*	.0	*	.C	.8	
E	.0	*	.0	*	*	.1	.0	.0	.C	.C	.2	
SE	.0	.0	*	*	*	.1	.C	.0	.0	.C	.4	
S	.0	.C	*	*	*	*	*	.C	.0	.C	.2	
SW	*	*	.0	*	.1	*	*	.0	*	*	.7	
W	.1	*	.2	.7	1.2	.4	.2	.1	.1	.1	8.6	
NW	.5	.2	.4	4.9	8.1	3.8	1.3	.4	.2	.1	47.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.C	
CALM	.1	*	.1	.1	.1	*	*	.0	*	.C	.0	
TOT OBS	56	18	94	473	865	400	14C	43	24	29	4874	7017
TOT PCT	.8	.3	1.3	6.7	12.3	5.7	2.C	.6	.3	.4	69.5	100.C

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5CY0	= OR >0
= OR >6500	.7	.8	.8	.8	.8	.8	.8	.8
= OR >5000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	2.7	3.3	3.4	3.4	3.4	3.4	3.4	3.4
= OR >2000	7.7	9.0	9.1	9.1	9.1	9.1	9.1	9.1
= OR >1000	18.5	21.2	21.4	21.4	21.4	21.4	21.5	21.5
= OR >600	23.7	27.9	28.2	28.2	28.2	28.2	28.2	28.2
= OR >300	24.4	29.1	29.5	29.5	29.5	29.5	29.6	29.6
= OR >150	24.5	29.3	29.6	29.6	29.8	29.8	29.8	29.8
= OR > 0	24.8	29.7	30.2	30.3	30.4	30.5	30.6	30.6
TOTAL	1747	2095	2131	2137	2142	2147	2155	2155

TOTAL NUMBER OF OBS: 7048

PCT FREQ NM <5/8: 69.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
30.6	12.2	11.1	8.5	6.9	5.2	7.2	7.0	10.8	.6	7421

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	*	*	.0	.0	.0	.1	.1	.0	*	.2	
	TOT %	*	*	*	.0	.0	.0	.1	.1	.0	*	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	*	*	*	.0	.0	*	.1	.0	*	.1	
	TOT %	.0	*	*	*	.0	.0	*	.1	.0	*	.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	*	.0	*	*	*	.1	.1	.0	*	.2	
	TOT %	.0	*	.0	*	*	*	.1	.1	.0	*	.2	
2<5	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	.0	.0	*	*	*	.1	.5	.0	*	.7	
	TOT %	*	.0	.0	*	*	*	.1	.5	.0	*	.8	
5<10	PCP	*	.0	.0	.0	.0	.0	*	*	.0	.0	.1	
	NO PCP	1.2	.1	*	.1	.1	.2	1.8	8.7	.0	.2	12.4	
	TOT %	1.2	.1	*	.1	.1	.2	1.8	8.7	.0	.2	12.5	
10+	PCP	.0	*	*	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	13.5	.9	.3	.4	.3	.7	10.2	59.0	.0	1.0	86.2	
	TOT %	13.5	.9	.3	.4	.3	.7	10.2	59.0	.0	1.0	86.2	
	TOT OBS												8660
	TOT PCT	14.7	1.0	.3	.6	.4	.9	12.3	68.5	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	*	*	.0	.0	.0	.0	*	.0	*	.1	
	4-10	*	.0	.0	.0	.0	.0	.1	.1	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	TOT %	*	*	*	.0	.0	*	.1	.2	.0	*	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	*	*	*	.0	*	*	
	4-10	.0	*	*	*	.0	.0	.0	*	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	.0	*	*	.1	.0	*	.1	
1<2	0-3	.0	*	.0	.0	.0	*	*	*	.0	*	*	
	4-10	.0	.0	.0	*	*	*	.1	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	.0	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	*	*	*	.1	.1	.0	*	.3	
2<5	0-3	.0	.0	.0	*	*	.0	*	.1	.0	.1	.1	
	4-10	.1	.0	.0	*	*	*	.1	.4	.0		.6	
	11-21	.1	*	.0	.0	.0	.0	.1	.3	.0		.5	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.1	*	.0	*	*	*	.2	.8	.0	.1	1.3	
5<10	0-3	.1	*	*	*	*	.1	.1	.2	.0	.2	.7	
	4-10	.5	*	*	*	.1	.1	.9	3.0	.0		4.6	
	11-21	.6	*	*	.1	*	*	.7	5.2	.0		6.7	
	22+	*	*	.0	.0	.0	*	*	.3	.0		.4	
	TOT %	1.2	.1	*	.1	.1	.2	1.8	8.6	.0	.2	12.4	
10+	0-3	.4	.1	*	.1	*	.1	.5	1.1	.0	1.0	3.4	
	4-10	5.3	.5	.2	.1	.2	.4	4.9	18.8	.0		30.5	
	11-21	7.0	.2	.1	.1	*	.2	4.6	36.7	.0		48.8	
	22+	.5	*	.0	.0	.0	*	.2	2.1	.0		2.9	
	TOT %	13.2	.8	.3	.4	.3	.7	10.2	58.8	.0	1.0	85.6	
	TOT OBS												8986
	TOT PCT	14.5	1.0	.3	.5	.4	.9	12.4	68.6	.0	1.3	100.0	

MAY

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00E03	.2	.2	.7	3.5	7.5	3.5	1.9	.4	.4	.5	18.7	81.3	1935
06E09	.8	.1	.4	6.4	10.1	4.8	1.2	.6	.3	.3	25.2	74.8	1616
12E15	1.3	.5	2.3	10.2	16.5	6.8	2.2	.8	.4	.4	41.5	58.5	1604
18E21	.9	.2	1.7	6.6	13.8	6.9	2.3	.7	.2	.4	33.8	66.2	2147
TOT	56	18	95	476	871	404	141	45	24	29	2159	5143	7302
PCT	.8	.2	1.3	6.5	11.9	5.5	1.9	.6	.3	.4	29.6	70.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	*	.2	.4	12.1	87.2	2305
06E09	.3	.2	.4	1.0	10.0	88.1	2030
12E15	.4	.2	.4	1.8	14.4	82.8	2078
18E21	.5	.1	.2	1.7	12.9	84.6	2627
TOT	30	12	27	113	1118	7740	9040
PCT	.3	.1	.3	1.3	12.4	85.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00E03	.2	1.2	4.9	14.5	80.6	1876
06E09	.9	1.7	9.2	17.7	73.0	1550
12E15	1.3	4.1	15.4	27.9	56.7	1551
18E21	1.0	3.1	10.8	24.8	64.4	2071
TOT	56	178	698	1493	4857	7048
PCT	.8	2.5	9.9	21.2	68.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	*	.0	*	.0	.0	3	*
80/84	*	*	.0	.1	.2	.1	.2	*	43	.6
75/79	.0	*	.1	.3	1.0	1.2	.4	.3	250	3.4
70/74	.0	*	*	.3	3.4	6.9	4.8	1.5	1244	17.0
65/69	.0	*	.1	.2	2.8	11.6	17.4	6.7	2850	38.8
60/64	.0	.0	*	*	1.1	6.8	19.7	10.1	2769	37.7
55/59	.0	.0	.0	.0	*	.3	.9	1.1	175	2.4
50/54	.0	.0	.0	.0	.0	.0	*	.0	2	*
TOTAL	1	5	17	76	623	1980	3192	1442	7336	100.0
PCT	*	.1	.2	1.0	8.5	27.0	43.5	19.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	.0	.0	.0	.0	.0	*	.0	.0
.1	*	.0	.1	*	*	.1	.3	.0	.0
.6	*	*	.1	.1	.1	.4	2.0	.0	.1
3.1	.2	.1	.2	.1	.2	2.4	10.5	.0	.3
6.4	.5	.1	.1	.1	.3	4.6	26.2	.0	.5
5.0	.3	.1	.1	.1	.3	4.0	27.4	.0	.4
.3	*	.0	*	*	.0	.2	1.9	.0	*
*	.0	.0	.0	.0	.0	.0	*	.0	.0
15.3	1.1	.4	.5	.4	.9	11.6	68.3	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	88	80	76	68	62	60	55	68.3	2356
06E09	86	73	70	64	60	58	51	64.5	2046
12E15	84	73	70	63	59	57	53	63.7	2142
18E21	85	78	75	67	61	59	55	67.5	2671
TOT	88	78	74	66	60	58	51	66.2	9217

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	2.4	11.4	34.1	40.1	11.5	79	1903
06E09	.1	.4	2.5	14.3	51.0	31.7	85	1655
12E15	.0	.2	3.4	18.9	47.6	29.4	85	1672
18E21	.0	2.0	13.6	36.7	37.3	10.3	78	2150
TOT	1	100	625	1991	3207	1456	81	7380

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1877-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	*	*	4	.0	.1
17/19	.0	.0	.0	.0	*	*	*	.1	.1	*	71	*	.3
14/16	.0	.0	.0	*	*	*	.1	.1	.1	*	31	*	.4
11/13	.0	.0	.0	*	*	.3	.6	.3	*	.0	105	.0	1.3
9/10	.0	.0	.0	.1	.3	.7	.7	.2	*	.0	150	*	1.9
7/8	.0	.0	.0	.1	.5	1.5	.8	.2	.1	.0	244	*	3.0
6	.0	.0	*	.1	.6	.8	.4	.1	*	.0	156	.0	2.0
5	.0	.0	*	.3	1.3	1.7	.4	.2	*	.0	316	.1	3.9
4	.0	.0	*	.7	2.1	1.5	.4	.1	*	.0	387	.1	4.8
3	.0	.0	.1	.9	1.7	1.3	.5	.1	*	.0	361	.1	4.5
2	.0	.0	.2	2.2	3.4	1.6	.6	*	.0	.0	638	.2	7.9
1	.0	.0	.2	2.4	3.4	1.4	.3	*	.0	.0	619	*	7.7
0	.0	*	.6	4.6	4.0	1.9	.4	.1	*	.0	916	.2	11.3
-1	.0	.0	.6	3.9	3.1	1.3	.3	.0	*	.0	724	.1	9.0
-2	.0	*	1.0	5.5	3.2	1.2	.3	*	.0	.0	895	.3	11.0
-3	.0	.0	.8	3.3	2.2	1.0	.1	.0	.0	.0	590	.1	7.3
-4	.0	*	.9	3.2	2.2	.5	.2	.0	.0	.0	553	.1	6.8
-5	.0	*	.8	2.7	1.6	.5	.1	*	.0	.0	457	.1	5.7
-6	.0	*	.4	1.2	1.1	.4	*	.0	.0	.0	249	.1	3.1
-7/-8	.0	*	.3	1.6	1.3	.3	.1	*	.0	.0	285	.0	3.6
-9/-10	.0	*	.2	.8	.6	.1	*	.0	.0	.0	138	.1	1.7
-11/-13	.0	*	.1	.4	.3	.1	.0	.0	.0	.0	68	*	.8
-14/-16	*	.0	*	.1	.1	*	.0	.0	.0	.0	26	*	.3
-17/-19	.0	.0	*	*	*	.0	.0	.0	.0	.0	4	*	*
-20/-22	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	1	13	505	2699	2619	1443	492	124	33	4	7933	124	7809
PCT	*	.2	6.4	34.0	33.0	18.2	6.2	1.6	.4	.1	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.2	2.8	1.9	.0	.0	.0	5.0
3-4	.0	2.8	3.5	.2	.0	.0	6.6
5-6	.0	.6	3.4	.3	*	.0	4.3
7	.0	.0	.8	*	.0	.0	.8
8-9	.0	.0	.4	.1	.0	.0	.5
10-11	.0	.0	*	*	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	6.7	10.1	.8	*	.0	17.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	*	.0	.0	.0	.0	*
1-2	*	.2	*	.0	.0	.0	.2
3-4	*	.1	.1	.0	.0	.0	.3
5-6	.0	*	.2	.0	.0	.0	.2
7	.0	*	.1	.0	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.5	.3	.0	.0	.0	.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.2	.0	.0	.0	.0	.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1
1-2	.1	.1	.0	.0	.0	.0	.2
3-4	.0	.0	*	.0	.0	.0	*
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.1	.2	.0	.0	.0	.4

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	•	.0	.0	.0	.0	.1
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	•	.1	.1	.0	.0	.0	.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	•	.3	.0	.0	.0	.0	.4
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	•	.0	.0	•
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	•	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.2	.1	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.1	.0	.0	.0	.8
1-2	.2	2.5	1.1	.0	.0	.0	3.8
3-4	.2	1.1	2.2	•	.0	.0	3.5
5-6	.0	.4	1.5	.1	.0	.0	2.0
7	.0	.1	.5	.1	.0	.0	.7
8-9	.0	.0	•	.0	.0	.0	•
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.7	5.5	.2	.0	.0	11.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.1	1.6	.1	.0	.0	.0	1.8	
1-2	.5	8.3	7.6	.0	.0	.0	16.5	
3-4	.3	7.9	16.3	.2	.0	.0	24.7	
5-6	•	2.0	14.3	.9	.0	.0	17.3	
7	.0	.1	4.2	.7	.0	.0	4.9	
8-9	.0	.1	1.1	.6	.0	.0	1.8	
10-11	.0	.0	.1	.3	•	.0	.4	
12	.0	.0	•	•	.0	.0	.1	
13-16	.0	.0	•	.0	.0	.0	•	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	20.0	45.8	2.8	•	.0	67.6	99.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.5	2.9	.2	.0	.0	.0	4.5	
1-2	1.1	14.6	10.7	.0	.0	.0	26.4	
3-4	.5	12.0	22.3	.5	.0	.0	35.3	
5-6	•	3.0	19.5	1.3	•	.0	23.9	
7	.0	.2	5.9	.8	.C	.0	6.5	
8-9	.0	.1	1.5	.8	.0	.0	2.4	
10-11	.0	.0	.2	.3	•	.0	.6	
12	.0	.C	•	.1	.C	.0	.2	
13-16	.0	.0	•	.0	.C	.0	•	
17-19	.0	.0	.C	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.C	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.C	.0	.0	
								2205
TOT PCT	3.2	32.9	60.0	3.9	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	12.3	19.1	11.6	4.2	1.4	.5	•	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	3369	4
6-7	•	1.7	7.7	8.9	4.5	2.0	.9	.2	•	•	.0	.0	.0	.0	.0	.0	.0	.C	.0	1711	5
8-9	.0	.7	1.9	3.2	2.4	.9	.6	.1	.1	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	657	6
10-11	.0	.4	.9	1.0	.6	.4	.1	.1	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	233	5
12-13	.0	.0	.6	.5	.5	.1	.0	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	116	5
>13	.0	.0	.0	.5	.4	.1	.1	•	•	.0	.C	.0	.0	.0	.C	.0	.0	.0	.C	74	7
INDET	1.7	1.1	1.7	1.3	.5	.4	•	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	444	3
TOTAL	221	1070	2103	1791	861	353	149	33	18	5	0	0	0	0	0	0	0	0	0	6605	4
PCT	3.3	16.2	31.8	27.1	13.0	5.3	2.3	.5	.3	.1	0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1881-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.1	.1	.2	.0	.0	.0	.0	.3	.2	.0	1.8	.1	2.8		.0	94.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	3.7		.0	94.6
E	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	6.8	4.2	9.1		.0	78.4
SE	.0	.0	1.5	.0	.0	.0	.0	1.5	1.9	1.5	13.1	.4	10.5		.0	71.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	7.6	.0	4.3		.0	87.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	1.6	8.0		.0	86.1
W	.0	.1	.1	.0	.0	.0	.0	.1	.2	.0	3.5	.3	8.4		.1	87.4
NW	.1	*	.2	.0	.0	.0	.0	.3	.2	.1	2.7	.1	6.3		.1	90.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.8	.0	11.8	2.4	12.2		.0	72.4
TOT PCT	.1	*	.2	.0	.0	.0	.0	.3	.2	.1	3.2	.3	6.5		.1	89.4
TOT OBS:	8278															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.0	.0	*	.0	.0	.0	.0	*	.1	*	2.0	.1	8.8		.1	88.8
06E09	.0	.0	.2	.0	.0	.0	.0	.2	.3	.1	2.5	.1	4.5		.1	92.3
12E15	.2	.1	.4	.0	.0	.0	.0	.6	.4	.1	3.8	.4	6.8		.0	89.0
18E21	.1	.1	.2	.0	.0	.0	.0	.3	.2	*	4.4	.4	7.4		.2	87.1
TOT PCT	.1	*	.2	.0	.0	.0	.0	.3	.2	.1	3.2	.3	6.5		.1	89.3
TOT OBS:	8384															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	5.7	4.6	.2	*	.0		11.2	10.7	9.2	7.2	11.3	4.0	12.4	10.3	12.7	8.3
NE	.2	.7	.2	.0	.0	.0		1.1	7.2	.6	1.4	1.1	1.6	1.5	1.0	1.2	1.0
E	.1	.4	.2	*	.0	.0		.8	7.9	.5	.0	1.0	.0	.5	1.7	1.1	.0
SE	.2	.5	.1	*	.0	.0		.9	7.2	1.0	.0	.9	.8	.6	.4	1.0	.7
S	.2	.7	.1	.0	.0	.0		1.0	6.5	1.3	.7	1.0	.0	.9	.8	1.1	.7
SW	.3	1.2	.2	*	.0	.0		1.8	6.9	2.4	1.4	1.8	1.2	1.2	1.2	1.8	.7
W	1.4	9.6	6.2	.3	*	.0		17.5	10.1	21.5	16.7	14.5	28.2	15.3	14.6	14.8	18.4
NW	2.1	25.9	33.0	1.7	*	.0		62.6	12.0	61.9	72.6	61.0	63.4	63.1	66.6	62.9	68.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.2							3.2	.0	1.7	2.1	3.5	.8	4.6	3.3	3.4	2.0
TOT OBS	736	3933	3927	200	4	0	8798		10.9	2103	143	1787	125	1835	262	2421	148
TOT PCT	8.3	44.7	44.6	2.3	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.6	7.1	1.4	*	.0		11.2	10.7	9.0	10.8	12.1	12.4
NE	.6	.5	*	.0	.0		1.1	7.2	.7	1.1	1.4	1.2
E	.4	.4	*	.0	.0		.8	7.9	.5	.9	.6	1.1
SE	.5	.4	*	.0	.0		.9	7.2	1.0	.9	.6	1.0
S	.6	.4	*	.0	.0		1.0	6.5	1.3	.9	.9	1.1
SW	1.0	.7	*	.0	.0		1.8	6.9	2.3	1.8	1.2	1.7
W	5.0	10.8	1.7	.1	.0		17.5	10.1	21.1	19.1	15.2	15.0
NW	9.2	42.3	10.9	.2	.0		62.6	12.0	62.5	61.2	63.5	63.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.2						3.2	.0	1.7	3.4	4.4	3.3
TOT OBS	2022	5512	1241	23	0	8798		10.9	2246	1908	2075	2569
TOT PCT	23.0	62.7	14.1	.3	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1881-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.7	4.7	38.7	51.5	3.4	*	.0	11.8	100.0	2246
06&09	3.4	4.5	45.3	44.0	2.8	.1	.0	11.0	100.0	1958
12&15	4.4	6.1	48.9	39.1	1.4	.0	.0	10.0	100.0	2075
18&21	3.3	5.3	46.2	43.6	1.5	.1	.0	10.6	100.0	2569
TOT	280	454	3933	3927	200	4	0	10.9		8748
PCT	3.2	5.2	44.7	44.6	2.3	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.3	1.8	3.2	2.6		4.2
NE	.3	.2	.4	.2		4.6
E	.3	.2	.2	.1		3.9
SE	.3	.1	.3	.2		4.4
S	.4	.1	.3	.2		4.2
SW	.6	.3	.4	.5		4.4
W	7.8	2.3	3.6	3.7		3.7
NW	25.7	8.9	14.7	12.8		3.8
VAR	.0	.0	.0	.0		.0
CALM	1.2	.5	.6	.8		4.1
TOT OBS	2769	972	1598	1433	6772	3.9
TOT PCT	40.9	14.4	23.6	21.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.2	1.3	2.1	.9	.3	*	.1	*	6.6	
NE	*	*	*	.1	.2	.2	*	.0	*	*	.6	
E	*	.0	*	*	*	*	.1	.0	*	.0	.5	
SE	.1	.0	.0	*	.1	.1	*	*	.0	.0	.5	
S	*	.0	.0	.1	.2	.1	*	*	.0	.0	.6	
SW	.1	*	.1	.2	.3	*	.1	*	.0	*	1.0	
W	.2	.1	.3	1.6	2.2	1.1	.4	.1	.1	.1	11.4	
NW	.8	.4	1.4	6.1	9.0	3.7	1.7	.4	.3	.1	38.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.1	.1	.3	.3	.2	.1	*	*	.0	1.9	
TOT OBS	107	45	141	652	972	427	185	41	34	18	4150	6772
TOT PCT	1.6	.7	2.1	9.6	14.4	6.3	2.7	.6	.5	.3	61.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SOVC	= OR >0
= OR >6500	.6	.8	.8	.8	.8	.8	.8	.8
= OR >5000	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	3.2	4.0	4.1	4.1	4.1	4.1	4.1	4.1
= OR >2000	8.1	10.2	10.4	10.4	10.4	10.4	10.5	10.5
= OR >1000	19.9	24.3	24.8	24.8	24.8	24.9	24.9	24.9
= OR >600	26.7	33.5	34.4	34.4	34.4	34.4	34.5	34.5
= OR >300	27.8	35.6	36.4	36.5	36.5	36.5	36.5	36.5
= OR >150	28.1	36.1	37.0	37.1	37.1	37.2	37.2	37.2
= OR > 0	28.3	36.8	38.0	38.2	38.4	38.5	38.7	38.8
TOTAL	1936	2521	2598	2611	2628	2634	2650	2656

TOTAL NUMBER OF OBS: 6844

PCT FREQ MM <5/8: 61.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
28.3	11.3	8.1	7.2	6.0	4.6	6.9	9.0	17.3	1.3	7247

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1881-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	.0	*	*	*	*	.1	.2	.0	.2	.5	
	TOT %	*	.0	*	*	*	*	.1	.2	.0	.2	.6	
1/2<1	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	*	*	*	*	.0	.1	.2	.0	*	.3	
	TOT %	*	*	*	*	*	.0	.1	.2	.0	*	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	*	.0	*	*	.2	.0	*	.3	
	TOT %	.0	.0	.0	*	.0	*	*	.2	.0	*	.3	
2<5	PCP	.0	.0	.0	*	.0	.0	*	.1	.0	.0	.1	
	NO PCP	.1	*	*	*	.1	.1	.4	1.0	.0	.2	1.8	
	TOT %	.1	*	*	*	.1	.1	.4	1.1	.0	.2	1.9	
5<10	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	*	.1	
	NO PCP	1.5	.2	.1	.2	.2	.4	4.0	11.0	.0	1.0	18.6	
	TOT %	1.5	.2	.1	.2	.2	.4	4.0	11.1	.0	1.0	18.7	
10+	PCP	*	.0	.0	.0	.0	.0	*	.1	.0	.0	.1	
	NO PCP	9.6	.9	.6	.5	.7	1.2	12.8	50.1	.0	1.7	78.1	
	TOT %	9.6	.9	.6	.5	.7	1.2	12.8	50.1	.0	1.7	78.2	
	TOT OBS												8260
	TOT PCT	11.3	1.1	.8	.8	1.0	1.7	17.4	62.7	.0	3.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	*	*	*	.0	.0	.0	*	.0	.2	.2	
	4-10	*	.0	*	*	*	*	.1	.2	.0		.3	
	11-21	.0	.0	.0	*	.0	.0	*	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	*	*	.1	.3	.0	.2	.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	*	*	.0	*	.1	
	4-10	*	*	*	*	*	.0	*	.2	.0		.3	
	11-21	*	*	*	*	.0	.0	*	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	*	.0	.1	.2	.0	*	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	4-10	*	.0	.0	*	.0	*	*	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	.0	*	.1	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	.0	*	*	.2	.0	*	.4	
2<5	0-3	*	*	.0	.0	*	*	*	*	.0	.2	.3	
	4-10	.1	*	*	.1	.1	.1	.4	.7	.0		1.4	
	11-21	.1	.0	.0	.0	.0	.0	.1	.6	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.2	*	*	.1	.1	.1	.6	1.4	.0	.2	2.6	
5<10	0-3	.1	.1	*	*	*	.1	.3	.3	.0	1.1	1.9	
	4-10	.9	.1	.1	.1	.1	.3	2.4	4.9	.0		8.8	
	11-21	.5	*	*	.1	*	*	1.3	5.4	.0		7.3	
	22+	.1	.0	*	.0	.0	.0	.1	.3	.0		.5	
	TOT %	1.5	.2	.1	.2	.2	.4	4.0	11.0	.0	1.1	18.6	
10+	0-3	.5	.2	.1	.1	.1	.2	.9	1.5	.0	1.7	5.4	
	4-10	4.6	.6	.3	.3	.5	.8	6.6	19.7	.0		33.5	
	11-21	4.0	.1	.2	.1	.1	.2	4.9	27.1	.0		36.6	
	22+	.2	.0	.0	*	.0	*	.3	1.4	.0		1.9	
	TOT %	9.4	.9	.6	.5	.7	1.2	12.7	49.7	.0	1.7	77.5	
	TOT OBS												8585
	TOT PCT	11.2	1.1	.8	.8	1.0	1.8	17.5	62.7	.0	3.2	100.0	

JUNE

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1881-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.9	.3	1.5	7.1	10.1	4.1	1.8	.5	.4	.1	26.6	73.2	1896
06E09	1.3	.6	1.7	6.2	12.6	5.2	1.8	.5	.5	.1	30.4	69.6	1505
12E15	2.0	.9	3.1	13.7	16.5	7.9	3.8	.5	.6	.4	49.4	50.6	1566
18E21	2.0	.8	1.9	10.2	16.4	7.3	3.2	.8	.6	.4	43.7	56.3	2109
TOT	112	46	142	658	986	433	188	41	36	19	2661	4415	7076
PCT	1.6	.7	2.0	9.3	13.9	6.1	2.7	.6	.5	.3	37.6	62.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.2	.3	1.6	18.1	79.7	2215
06E09	.6	.2	.4	2.3	17.1	79.3	1898
12E15	1.0	.8	.3	3.3	20.0	74.6	2035
18E21	.9	.4	.5	3.0	19.3	76.0	2545
TOT	60	33	32	225	1621	6722	8693
PCT	.7	.4	.4	2.6	18.6	77.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00E03	1.0	3.0	11.2	17.5	71.3	1825
06E09	1.2	3.5	11.5	20.6	67.9	1451
12E15	2.1	6.4	21.9	29.8	48.3	1527
18E21	2.1	5.0	16.9	29.0	54.1	2041
TOT	111	306	1050	1666	4128	6844
PCT	1.6	4.5	15.3	24.3	60.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	*	.0	*	.1	.1	.0	.0	14	.2
80/84	.0	*	*	.1	.3	.7	.4	.1	106	1.5
75/79	.0	.0	*	.4	1.1	3.3	2.0	.7	319	7.4
70/74	.0	.0	.0	.2	2.4	7.9	10.7	4.8	1809	25.9
65/69	.0	.0	*	.1	1.3	7.9	18.9	12.2	2822	40.4
60/64	.0	.0	.0	*	.2	2.2	11.9	9.6	1669	23.9
55/59	.0	.0	.0	.0	.0	.1	.2	.3	43	.6
50/54	.0	.0	.0	.0	.0	.0	*	.0	1	*
TOTAL	0	2	8	48	370	1538	3084	1935	6985	100.0
PCT	.0	*	.1	.7	5.3	22.0	44.2	27.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	*	*	*	*	.0	*	*	.1	.0	.0
	.2	.1	.1	.1	.1	.1	.4	.5	.0	.1
	1.1	.2	.1	.2	.2	.3	1.4	3.5	.0	.4
	3.6	.4	.3	.2	.4	.6	5.0	14.2	.0	1.2
	4.6	.2	.2	.3	.3	.6	6.6	26.6	.0	1.1
	2.5	.1	.1	*	.1	.2	3.2	17.3	.0	.4
	*	.0	.0	*	*	.0	.1	.5	.0	*
	.0	.0	.0	.0	.0	.0	.0	*	.0	.0
	12.0	1.0	.8	.8	1.0	1.8	16.7	62.8	.0	3.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	90	83	79	70	63	62	58	70.1	2256
06E09	83	76	73	66	61	60	54	66.6	1920
12E15	87	76	73	65	60	58	54	65.8	2083
18E21	89	81	77	69	63	61	55	69.4	2578
TOT	90	81	77	68	62	60	54	68.1	8839

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.3	8.0	30.1	43.4	17.2	81	1820
06E09	.0	.6	1.4	11.4	46.3	40.2	87	1565
12E15	.0	.1	1.2	10.3	45.3	43.2	87	1634
18E21	.0	1.2	6.9	32.2	42.1	15.6	80	2058
TOT	0	59	371	1557	3121	1969	83	7077

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1881-1979

AREA 0002 SOUTHWEST BAJA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	NO FOG
23/25	.0	.0	.0	.0	.0	*	.0	.0	*	.0	2	.0	*
20/22	.0	.0	.0	.0	.0	*	*	*	*	.0	7	.0	.1
17/19	.0	.0	.0	*	.0	*	.0	*	.1	*	11	*	.1
14/16	.0	.0	.0	.1	.1	.2	.2	.1	.1	.0	54	*	.7
11/13	.0	.0	.0	*	.2	.5	.4	.1	*	*	97	.1	1.2
9/10	.0	*	*	.1	.6	.9	.5	.2	*	.0	183	.1	2.3
7/8	.0	.0	.1	.6	1.3	1.1	.7	.1	*	.0	292	.1	3.7
6	.0	.0	.1	.6	1.5	.6	.3	.1	.0	.0	244	.1	3.1
5	.0	*	.2	1.1	1.6	1.1	.5	.1	.0	.0	346	.1	4.4
4	.0	*	.6	1.7	1.9	.8	.2	.1	*	.0	415	.2	5.1
3	.0	*	.6	2.1	1.7	.8	.2	*	.0	.0	416	.2	5.2
2	.0	.1	1.5	3.2	2.6	.9	.3	*	.0	.0	670	.4	8.3
1	.0	.1	2.0	3.2	2.3	.9	.2	*	*	.0	666	.3	8.3
0	*	.2	3.4	4.6	2.7	.9	.2	*	.0	.0	928	.4	11.6
-1	.0	.2	3.0	3.9	2.1	.7	.2	*	.0	.0	749	.2	9.5
-2	*	.4	3.2	3.7	1.8	.6	.2	*	.0	.0	756	.2	9.5
-3	*	.2	2.2	2.7	1.6	.4	.1	.0	.0	.0	555	.2	7.0
-4	*	.3	1.9	2.3	1.2	.3	*	.0	.0	.0	462	.2	5.8
-5	*	.1	1.3	1.5	.6	.1	*	.0	.0	.0	287	.2	3.5
-6	.0	.2	.9	.9	.5	.1	*	.0	.0	.0	207	.1	2.6
-7/-8	*	.2	.7	1.1	.6	.1	*	.0	.0	.0	201	*	2.6
-9/-10	.0	.1	.5	.5	.2	.1	.0	.0	.0	.0	103	*	1.3
-11/-13	.0	*	.3	.3	.2	*	.0	.0	.0	.0	67	.1	.8
-14/-16	.0	.1	.1	*	.1	.0	.0	.0	.0	.0	21	*	.3
-17/-19	.0	.0	*	.0	.0	*	.0	.0	.0	.0	4	.0	.1
-20/-22	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	2	.0	*
-23/-25	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	6	164	1761	2606	1957	862	325	65	18	2	7746	246	7500
PCT	.1	2.1	22.5	33.6	25.3	11.1	4.2	.8	.2	*	100.0	3.2	96.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.8	.0	.0	.0	.0	.9
1-2	.2	3.0	1.2	.0	.0	.0	4.4
3-4	.1	1.8	2.8	.0	.0	.0	4.7
5-6	.0	.4	1.9	.1	.0	.0	2.5
7	.0	.0	.5	*	.0	.0	.6
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	6.1	6.6	.2	.0	.0	13.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	*	.3	.0	.0	.0	.0	.4
3-4	.0	*	*	.0	.0	.0	.1
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.4	.1	.0	.0	.0	.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.2	*	.0	.0	.0	.2
3-4	.0	*	.0	.0	.0	.0	*
5-6	.0	*	.1	.0	.0	.0	.2
7	.0	.0	*	*	.0	.0	.1
8-9	.0	*	*	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.3	*	.0	.0	.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.2	.0	.0	.0	.0	.3
1-2	.0	.2	*	.0	.0	.0	.2
3-4	.0	.2	*	.0	.0	.0	.2
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.1	*	.0	.0	.0	.1
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.2	.0	.0	.0	1.0

PERIOD: (OVER-ALL) 1963-1979 JUNE AREA 0002 SOUTHWEST PAJA

TABLE 18 (CONT) 23.4N 111.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.3	.0	.0	.0	.0	.5	•	.7	•	.0	.0	.0	.8
3-4	.0	.1	•	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.4
5-6	.0	•	.1	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	.0	.0	•
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.2	.0	.0	.0	1.0	.1	1.3	.2	.0	.0	.0	1.6

	W							NW						TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	1.1	•	.0	.0	.0	1.7	.5	2.0	.2	.0	.0	.0	2.7	
1-2	.6	5.3	2.2	.0	.0	.0	8.0	.5	11.0	6.4	.0	.0	.0	17.9	
3-4	•	1.8	2.5	.1	.0	.0	4.4	.3	6.4	15.6	.4	.0	.0	22.6	
5-6	•	.4	1.3	.3	•	.0	2.1	.1	1.8	10.2	.4	•	.0	12.5	
7	.0	.1	.5	.1	.0	.0	.7	.0	.3	4.3	.7	.0	.0	5.3	
8-9	.0	•	.1	.0	.0	.0	.2	.0	.1	.8	.1	.0	.0	1.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	•	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	8.7	6.7	.4	•	.0	17.2	1.4	21.8	37.5	1.6	.1	.0	62.4	97.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.1	4.7	.2	.0	.0	.0	9.0	
1-2	1.9	20.9	9.8	.0	.0	.0	32.6	
3-4	.4	10.5	20.8	.5	.0	.0	32.1	
5-6	.1	2.7	13.7	.8	.1	.0	17.5	
7	.0	.6	5.3	.9	.0	.0	6.8	
8-9	.0	.3	1.0	.1	.0	.0	1.4	
10-11	.0	.0	.1	•	•	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2114
TOT PCT	6.6	39.9	51.1	2.3	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.5	14.2	18.8	9.9	3.5	.9	.1	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	3201	3
6-7	.1	1.8	9.0	8.6	3.9	1.4	.7	.2	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	1647	5
8-9	•	1.0	2.6	3.3	1.8	1.1	.2	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	658	5
10-11	.0	.4	.8	.8	.9	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	6
12-13	.0	.0	.8	.5	.3	.2	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	5
>13	.0	.0	.0	.3	.3	.1	.1	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	6
INDEF	2.6	1.3	1.7	.9	.6	.1	.1	.0	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	467	3
TOTAL	337	1200	2158	1856	720	263	87	29	25	10	0	0	0	0	0	0	0	0	0	6385	*
PCT	5.3	18.8	33.8	29.1	11.3	4.1	1.4	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.4	.1	.1	.0	.0	.0	.0	.6	.3	.2	1.3	.3	3.1		.0	94.2
NE	.8	.8	.9	.0	.0	.0	.0	2.6	1.0	.0	1.2	1.1	3.1		.4	90.4
E	.0	1.0	.4	.0	.0	.0	.0	1.4	1.7	1.7	1.7	.9	3.1		.0	89.5
SE	1.1	.4	1.5	.0	.0	.0	.0	3.0	1.2	.5	5.7	.7	3.8		.4	84.8
S	1.9	.0	.5	.0	.0	.0	.0	2.4	1.0	.5	3.4	.4	6.5		.0	86.5
SW	.2	.0	.8	.0	.0	.0	.0	1.0	.7	.4	2.7	.1	4.1		.0	90.9
W	.1	.1	.2	.0	.0	.0	*	.4	.3	.3	2.9	.2	7.9		.1	87.8
NW	.2	.1	.1	.0	.0	.0	*	.4	.2	.2	1.8	.1	5.3		.1	91.9
VAR	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.2	.0	.0	.0	.0	.0	.2	.2	.7	6.6	.3	11.0		.0	81.1
TOT PCT	.3	.1	.2	.0	.0	.0	*	.7	.3	.3	2.5	.2	5.8		.1	90.2
TOT OBS:	8373															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.2	*	.2	.0	.0	.0	.0	.4	.3	.0	1.5	.1	6.2		.1	91.4
06E09	.3	.3	.3	.0	.0	.0	.0	.8	.3	.7	1.8	.2	4.9		.0	91.4
12E15	.4	.4	.3	.0	.0	.0	.0	1.1	.5	.8	3.4	.3	4.6		.1	89.4
18E21	.3	.0	.2	.0	.0	.0	*	.5	.3	.0	3.6	.3	6.8		*	88.4
TOT PCT	.3	.2	.2	.0	.0	.0	*	.7	.3	.3	2.6	.2	5.7		.1	90.1
TOT OBS:	8564															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.6	7.1	3.3	.1	.0	.0		12.1	8.7	9.3	8.7	11.7	6.5	13.3	19.7	14.C	14.4
NE	.5	1.9	.5	*	.0	.0		2.9	7.7	1.8	2.1	2.4	1.6	3.3	6.3	3.8	1.8
E	.4	1.3	.6	.1	*	.0		2.4	9.5	1.6	1.8	2.2	2.2	2.6	2.7	2.9	5.3
SE	.6	1.8	.8	.2	*	.0		3.4	9.2	4.1	4.1	3.4	4.9	2.7	4.2	3.C	5.3
S	.6	1.4	.4	*	.0	.0		2.4	7.1	2.4	3.5	2.5	.9	2.1	1.3	2.7	3.5
SW	.8	1.9	.3	*	.0	.0		3.0	6.6	5.0	5.3	2.1	3.1	2.5	1.6	2.3	3.1
W	2.1	11.3	5.0	.1	.0	.0		18.5	8.7	26.4	18.6	19.C	20.3	14.6	13.8	19.2	17.4
NW	3.1	26.2	18.3	.4	.0	.0		48.1	10.0	45.3	50.7	47.6	44.4	48.9	50.3	49.9	50.5
VAR	.0	.0	.C	.C	.C	.0		.0	.0	.0	.0	.0	.0	.0	.0	.C	.0
CALM	7.3							7.3	.0	4.0	5.3	4.1	8.0	10.0	5.1	7.2	5.6
TOT OBS	1506	4707	2603	95	3	0	8914		8.6	2158	152	1883	112	1862	234	2376	137
TOT PCT	16.9	52.8	29.2	1.1	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.7	6.7	.7	*	.0		12.1	8.7	9.3	11.4	13.4	14.1
NE	1.4	1.3	.1	.0	.0		2.9	7.7	1.8	2.3	3.6	3.7
E	1.0	1.0	.3	.1	.0		2.4	9.5	1.6	2.2	2.6	3.C
SE	1.5	1.4	.4	*	.0		3.4	9.2	4.1	3.5	2.9	3.2
S	1.3	1.0	.1	*	.C		2.4	7.1	2.5	2.4	2.0	2.7
SW	1.8	1.2	*	*	.0		3.0	6.6	5.0	2.2	2.4	2.3
W	6.9	10.7	.9	*	.0		18.5	8.7	25.9	19.5	14.5	14.1
NW	11.9	32.4	3.7	*	.C		48.1	10.0	45.7	47.4	49.1	50.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.C
CALM	7.3						7.3	.0	4.1	9.0	9.5	7.0
TOT OBS	3363	4972	558	21	0	8914		8.6	2310	1995	2096	2513
TOT PCT	37.7	55.8	6.3	.2	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979

AREA 0002 SOUTHWEST BAJA
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	4.1	8.7	50.9	35.2	1.1	*	.0	9.5	100.0	2310
06609	9.0	8.2	53.1	28.6	1.1	.0	.0	8.5	100.0	1695
12615	9.5	10.4	54.4	25.0	.8	.0	.0	7.9	100.0	2096
18621	7.0	11.1	52.8	27.7	1.2	.1	.0	8.4	100.0	2513
TOT	649	859	4705	2603	95	3	0	8.6		8914
PCT	7.3	9.6	52.8	29.2	1.1	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-6	7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.7	2.8	3.7	1.7		3.8
NE	.9	.7	.8	.5		4.2
E	.8	.5	.9	.4		4.2
SE	1.1	.8	1.0	.6		4.2
S	.9	.5	.7	.2		3.7
SW	1.3	.6	.8	.3		3.4
W	8.6	3.8	4.0	1.5		3.2
NW	21.6	10.2	10.9	4.8		3.3
VAR	.0	.0	.0	.0		.0
CALM	3.7	1.3	1.2	1.0		3.1
TOT OBS	2959	1444	1620	741	6764	3.4
TOT PCT	43.7	21.3	24.0	11.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,AH >4/8) AND OCCURRENCE OF AH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	AH <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.1	1.0	1.8	.5	.3	.1	*	.0	9.0	
NE	.1	*	*	.2	.3	.2	.1	*	.0	*	7.1	
E	*	*	.1	.2	.3	.1	*	*	*	*	1.8	
SE	.1	*	.1	.1	.3	.2	.1	.0	.0	.1	2.6	
S	.1	.0	*	.1	.2	.1	.1	.0	*	*	1.8	
SW	*	.0	*	.1	.2	.1	.1	*	*	*	2.5	
W	.2	.1	.2	.7	1.2	.5	.3	.1	*	.1	14.6	
NW	.3	.1	.5	2.7	3.8	1.9	.8	.3	.1	.1	37.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	*	.2	.3	.6	.2	*	*	*	*	1.6	
TOT OBS	69	21	83	373	574	246	122	34	18	25	5199	6764
TOT PCT	1.0	.3	1.2	5.5	8.5	3.6	1.8	.5	.3	.4	76.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	.6	.7	.7	.7	.7	.7	.7	.7
= OR >5000	.9	1.1	1.1	1.1	1.1	1.2	1.2	1.2
= OR >3500	2.4	2.9	3.0	3.0	3.0	3.0	3.0	3.0
= OR >2000	5.2	6.4	6.5	6.5	6.5	6.6	6.6	6.6
= OR >1000	12.0	14.6	14.9	15.0	15.0	15.0	15.0	15.1
= OR >600	16.2	20.0	20.4	20.5	20.5	20.6	20.6	20.6
= OR >300	16.9	21.2	21.6	21.7	21.8	21.8	21.8	21.8
= OR >150	17.0	21.4	21.9	22.0	22.1	22.1	22.1	22.1
= OR > 0	17.2	21.6	22.4	22.6	22.7	22.9	23.1	23.2
TOTAL	1187	1500	1584	1555	1566	1578	1591	1598

TOTAL NUMBER OF OBS: 6890

PCT FREQ AH <5/8: 76.8

TABLE 7A

PERCENTAGE FREQ OF HOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
25.5	10.6	14.7	10.8	7.0	4.4	5.8	5.0	7.6	.7	7283

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1977-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	NO PCP	*	*	.0	.1	*	*	.1	.1	.0	.1	.5	
	TOT %	*	*	.0	.1	*	*	.1	.1	.0	.1	.5	
1/2<1	PCP	.0	.0	.0	*	*	*	.0	*	.0	.0	*	
	NO PCP	*	.0	*	*	*	.0	*	*	.0	.0	.1	
	TOT %	*	.0	*	.1	*	*	*	.1	.0	.0	.2	
1<2	PCP	.0	.0	.0	.0	*	.0	.0	*	.0	.0	*	
	NO PCP	*	*	.0	*	*	.0	.1	*	.0	.1	.2	
	TOT %	*	*	.0	*	*	.0	.1	.1	.0	.1	.3	
2<5	PCP	.0	*	*	*	*	.0	*	.0	.0	.0	.1	
	NO PCP	.1	*	*	.1	*	.1	.1	.4	.0	.2	1.1	
	TOT %	.1	*	.1	.1	*	.1	.2	.4	.0	.2	1.2	
5<10	PCP	.1	*	*	*	*	*	*	.1	.0	.0	.3	
	NO PCP	1.7	.5	.3	.4	.3	.5	3.3	6.6	.0	1.5	15.0	
	TOT %	1.7	.5	.3	.4	.3	.5	3.4	6.7	.0	1.5	15.3	
10+	PCP	*	*	*	*	.0	.0	*	.1	.0	*	.2	
	NO PCP	10.6	2.3	2.0	2.6	1.9	2.3	14.7	40.6	.0	5.3	82.3	
	TOT %	10.6	2.4	2.0	2.6	1.9	2.3	14.8	40.7	.0	5.3	82.5	
	TOT OBS												8359
	TOT PCT	12.5	2.9	2.4	3.3	2.4	2.9	18.4	48.0	.0	7.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	*	.0	*	*	*	*	*	.0	.1	.3	
	4-10	*	*	.0	*	*	*	.1	.1	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.1	*	*	.1	.2	.0	.1	.6	
1/2<1	0-3	.0	.0	.0	*	.0	*	.0	.0	.0	.0	*	
	4-10	*	.0	*	*	*	.0	*	.1	.0		.1	
	11-21	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	*	*	*	*	*	.1	.0	.0	.2	
1<2	0-3	.0	.0	.0	*	.0	.0	*	*	.0	.1	.1	
	4-10	*	*	.0	*	*	.0	*	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	.0	*	*	.0		*	
	22+	.0	.0	.0	.0	*	.0	.0	.0	.0		*	
	TOT %	*	*	.0	*	*	.0	.1	.1	.0	.1	.3	
2<5	0-3	*	.0	.0	*	*	.1	*	.1	.0	.2	.5	
	4-10	.1	*	*	.1	*	*	.1	.3	.0		.7	
	11-21	*	*	*	*	.0	.0	.1	.2	.0		.4	
	22+	.0	.0	*	.1	.0	.0	.0	.0	.0		.1	
	TOT %	.2	*	.1	.2	*	.1	.2	.7	.0	.2	1.7	
5<10	0-3	.3	*	*	*	.1	.1	.4	.6	.0	1.5	3.1	
	4-10	.9	.3	.2	.2	.2	.4	2.1	3.7	.0		7.9	
	11-21	.5	.1	.1	.1	*	.1	.8	2.3	.0		4.1	
	22+	.0	*	*	*	.0	*	*	*	.0		.2	
	TOT %	1.6	.5	.4	.4	.4	.5	3.3	6.7	.0	1.5	15.3	
10+	0-3	1.3	.4	.3	.4	.4	.6	1.5	2.4	.0	5.3	12.6	
	4-10	6.1	1.5	1.1	1.3	1.1	1.5	9.0	21.8	.0		43.5	
	11-21	2.8	.4	.4	.6	.3	.3	4.1	15.8	.0		24.8	
	22+	.1	.0	.1	.1	*	*	.1	.4	.0		.8	
	TOT %	10.3	2.3	1.9	2.5	1.9	2.3	14.8	40.4	.0	5.4	81.8	
	TOT OBS												8669
	TOT PCT	12.2	2.8	2.4	3.4	2.4	3.0	18.5	48.1	.0	7.3	100.0	

JULY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979

AREA 0002 SOUTHWEST BAJA
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00E03	.4	.2	.9	3.6	6.8	2.4	1.4	.3	.2	.3	16.5	83.5	1948
06E09	1.0	.3	.9	4.6	8.7	3.0	1.6	.4	.4	.3	21.3	78.7	1582
12E15	1.5	.2	2.0	7.1	8.9	4.8	2.0	.4	.3	.4	27.9	72.1	1615
18E21	1.2	.5	1.0	6.1	8.4	3.8	1.9	.7	.1	.5	24.4	75.6	2040
TOT	73	22	86	383	586	250	125	34	18	29	1606	5579	7185
PCT	1.0	.3	1.2	5.3	8.2	3.5	1.7	.5	.3	.4	22.4	77.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.4	.1	.2	1.0	12.8	85.4	2274
06E09	.4	.1	.2	1.6	15.0	82.5	2020
12E15	.8	.3	.5	2.6	18.2	77.5	2070
18E21	.9	.1	.4	2.0	15.7	80.9	2498
TOT	59	16	30	158	1362	7237	8862
PCT	.7	.2	.3	1.8	15.4	81.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00E03	.5	1.6	6.0	11.6	82.4	1860
06E09	1.1	2.4	8.4	14.7	77.0	1520
12E15	1.6	4.4	13.0	17.2	69.4	1539
18E21	1.3	3.1	10.6	15.5	73.9	1971
TOT	75	196	647	1009	5234	6890
PCT	1.1	2.8	9.4	14.6	76.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	.0	.0	.0	.0	.0	1	*
90/94	*	*	.0	*	.1	.1	*	*	17	.2
85/89	.0	.0	*	.1	.5	1.0	.2	.1	131	1.9
80/84	.0	*	*	.3	1.9	5.8	5.0	1.1	988	14.2
75/79	.0	.0	*	.2	1.0	10.4	15.9	7.4	2427	34.8
70/74	.0	.0	*	*	.4	4.2	17.1	14.0	2494	35.7
65/69	.0	.0	.0	.0	*	.6	5.5	6.2	858	12.3
60/64	.0	.0	.0	.0	.0	.0	.3	.6	64	.9
55/59	.0	.0	.0	.0	.0	*	*	.0	2	*
TOTAL	2	2	7	41	276	1534	3063	2057	6982	100.0
PCT	*	*	.1	.6	4.0	22.0	43.9	29.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	*	.0	.0	.0	.0	.0	.0	*	.0	.0
	*	.0	*	*	.0	.0	*	.1	.0	*
	.3	.1	.1	.2	.1	.1	.3	.4	.0	.1
	1.7	.6	.8	.8	.6	.7	2.5	5.4	.0	1.0
	4.4	1.3	1.0	1.5	.9	1.1	6.2	16.0	.0	2.5
	4.7	.8	.5	.6	.6	.8	6.7	18.5	.0	2.5
	1.9	.2	.1	.1	.2	.1	2.2	6.8	.0	.7
	.2	*	.0	*	.0	*	.2	.5	.0	.1
	.0	.0	.0	.0	*	*	.0	.0	.0	.0
	13.2	3.0	2.5	3.3	2.4	2.8	18.0	48.0	.0	6.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	93	88	84	76	69	66	57	76.4	2333
06E09	91	82	80	73	66	64	55	73.1	2039
12E15	88	82	80	72	66	63	57	72.7	2135
18E21	96	87	84	76	68	65	61	76.1	2549
TOT	96	86	82	75	67	64	55	74.7	9056

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.1	.9	6.6	34.1	42.6	15.8	81	1862
06E09	.0	.4	1.2	8.7	45.2	44.6	87	1663
12E15	.0	.2	1.1	8.7	41.1	48.8	86	1638
18E21	.1	1.2	6.1	32.1	45.7	14.9	81	1981
TOT	2	51	280	1556	3124	2131	84	7144

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1877-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73	77	81	85	89	>92	TOT	%	#O
TMP DIF	56	60	64	68	72	76	80	84	88	92			FOG	FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	*	*	.0	3	.0	*
20/22	.0	.0	.0	.0	.0	.0	*	*	*	.0	.0	4	.0	.1
17/19	.0	.0	.0	.0	.0	.0	*	*	.1	.1	*	16	.0	.2
14/16	.0	.0	.0	.0	*	*	.2	.1	.1	*	.0	39	*	.5
11/13	.0	.0	.0	.0	*	.2	.4	.5	.7	*	*	98	*	1.2
9/10	.0	.0	.0	*	.1	.3	1.0	.6	.5	.1	.0	179	.1	2.2
7/8	.0	.0	*	*	.3	1.0	1.3	.8	.5	*	.0	297	.1	3.7
6	.0	.0	*	*	.4	1.1	.9	.7	.1	.1	.0	248	.1	3.1
5	.0	.0	.0	.2	.5	1.4	1.5	.8	.2	.0	.0	360	.1	4.5
4	.0	.0	*	.4	.9	1.6	1.5	.9	.2	*	.0	443	.2	5.4
3	.0	.0	*	.2	.9	1.8	1.6	.6	.1	.0	.0	404	.1	5.0
2	.0	*	.1	.8	1.9	3.1	2.6	1.0	.2	.0	.0	753	.4	9.2
1	.0	.0	.1	.5	2.2	2.6	1.7	.7	.1	*	.0	617	.2	7.7
0	.0	.0	.2	1.1	3.8	3.9	3.1	1.1	*	.0	.0	1057	.5	12.9
-1	.0	.0	.1	1.1	3.3	3.5	2.0	.6	.0	.0	.0	818	.2	10.2
-2	.0	*	.3	1.3	2.8	2.9	1.9	.5	*	.0	.0	762	.1	9.6
-3	.0	.0	.1	.7	2.1	2.0	1.4	.2	.0	.0	.0	514	.1	6.5
-4	.0	.0	.1	.4	1.8	1.9	1.2	.2	.0	.0	.0	471	.2	5.9
-5	*	*	.1	.5	1.1	1.4	.7	.1	.0	.0	.0	300	*	3.8
-6	.0	.0	.1	.2	.4	.6	.5	*	.0	.0	.0	147	*	1.9
-7/-8	.0	.0	.1	.3	.8	.8	.4	*	.0	.0	.0	194	.1	2.4
-9/-10	.0	.0	*	.1	.3	.4	.1	*	.0	.0	.0	69	*	.9
-11/-13	.0	.0	*	.1	.2	.1	.1	.0	.0	.0	.0	36	*	.4
-14/-16	.0	*	.0	*	.1	*	.0	.0	.0	.0	.0	10	.0	.1
-17/-19	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	1		90		1873		1892		148		1		206	7634
		4		663		2382		761		23		7844		
PCT	*	.1	1.1	8.5	23.9	30.4	24.1	9.7	1.9	.3	*	100.0	2.6	97.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

A

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.6	.0	.0	.0	.0	2.0
1-2	.7	4.6	1.2	.0	.0	.0	6.6
3-4	.1	2.3	1.8	.0	.0	.0	4.2
5-6	.0	.4	1.0	.0	.0	.0	1.4
7	.0	.1	.3	*	.0	.0	.5
8-9	.0	*	.1	*	.0	.0	.2
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	9.0	4.5	.2	.0	.0	15.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.6
1-2	.2	1.4	.4	.0	.0	.0	1.9
3-4	.1	.1	.2	.0	.0	.0	.4
5-6	.0	.1	.2	.0	.0	.0	.3
7	.0	*	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	.7	.0	.0	.0	3.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.1	.4	.3	.0	.0	.0	.9
3-4	.0	.2	.2	.0	.0	.0	.5
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.1	.1	.0	.0	.0	.1
8-9	.0	.1	*	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.1	.7	.0	.0	.0	2.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.1	.9	.1	.0	.0	.0	1.2
3-4	.1	.3	.2	.1	.0	.0	.7
5-6	.0	.1	.1	.0	.1	.0	.2
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	*	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.7	.6	.1	.1	.0	2.8

PERIOD: (OVER-ALL) 1963-1979 JULY AREA 0062 SOUTHWEST BAJA 23.4N 111.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.C	.0	.3
1-2	.1	.8	.1	.0	.C	.0	1.1
3-4	.1	.4	.1	.0	.C	.0	.6
5-6	.0	.1	.2	.0	.C	.0	.2
7	.0	.1	.0	.0	.C	.0	.1
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.4	1.5	.4	.0	.C	.0	2.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.6	*	.C	.C	.C	.9
1-2	*	1.2	*	.0	.C	.0	1.2
3-4	.0	.2	.2	.1	.C	.C	.5
5-6	.1	.0	.1	.0	.0	.0	.1
7	.0	.C	.0	.C	.C	.0	.0
8-9	.C	.0	.0	.C	.0	.0	.0
10-11	.0	.0	.C	.C	.0	.0	.0
12	.0	.C	.C	.C	.C	.0	.0
13-16	.0	.C	.C	.C	.C	.0	.0
17-19	.C	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.C	.C	.0	.C
23-25	.0	.0	.0	.C	.C	.0	.0
26-32	.0	.0	.C	.0	.C	.C	.C
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.C	.C	.C	.0	.0	.C
71-86	.0	.0	.0	.C	.C	.0	.C
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.4	2.0	.3	.1	.0	.0	2.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.7	.2	.0	.C	.0	2.5
1-2	.3	6.3	1.5	.0	.C	.0	8.1
3-4	.3	2.7	2.1	.0	.C	.0	5.1
5-6	.1	.1	.8	*	.C	.0	1.1
7	.0	.2	.3	.0	.C	.0	.4
8-9	.0	.0	*	.0	.C	.0	*
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	1.3	11.0	4.9	*	.C	.0	17.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.5	.1	.0	.C	.0	3.4
1-2	.9	13.1	4.0	.0	.C	.C	18.1
3-4	.5	7.9	8.4	.1	.C	.C	16.9
5-6	*	1.4	4.9	.3	.0	.0	6.6
7	.0	.2	.8	*	.C	.0	1.0
8-9	.0	.1	.2	.2	.C	.0	.5
10-11	.0	.0	.1	*	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	*	.C	.0	.1
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.C	.0	.C	.C	.0
33-40	.0	.0	.0	.C	.C	.0	.C
41-48	.0	.0	.C	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.C	.0	.C	.0	.0
71-86	.0	.C	.0	.0	.C	.0	.0
87+	.0	.0	.C	.0	.0	.0	.0
TOT PCT	2.2	25.3	18.6	.6	.C	.0	46.7

HGT	TOTAL PCT
<1	
1-2	
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	92.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.2	7.6	.4	.0	.0	.0	19.2	
1-2	2.9	28.8	7.5	.0	.0	.0	39.1	
3-4	1.3	13.8	13.1	.2	.0	.0	28.3	
5-6	.2	2.1	7.1	.4	.1	.0	9.8	
7	.C	.6	1.6	.1	.C	.0	2.3	
8-9	.0	.2	.4	.3	.0	.0	.9	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	.0	.C	.0	.0	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.C	.0	
23-25	.0	.0	.C	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.C	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.7	53.1	30.1	1.0	.1	.0	100.0	1996

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.4	16.3	17.3	7.4	1.9	.6	.3	*	.1	*	.0	.0	.0	.C	.0	.0	.0	.0	.0	3038	3
6-7	.1	2.4	7.9	7.6	3.2	1.4	.6	.2	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	1495	5
8-9	*	.7	2.8	3.0	2.1	1.0	.6	.3	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	692	6
10-11	.0	.9	.8	1.2	.8	.5	.2	.1	.1	*	*	.0	*	*	.0	.0	.0	.0	.0	300	6
12-13	.0	.0	.9	.6	.3	.2	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	142	6
>13	.0	.0	.0	.5	.3	.1	.1	*	*	*	.0	.0	*	.0	.C	.C	.0	.0	.0	72	8
INDET	4.6	1.1	1.8	1.3	.4	.3	.1	.0	*	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	611	2
TOTAL	516	1397	2002	1390	576	265	120	44	56	15	3	0	3	3	0	0	0	0	0	6350	4
PCT	8.1	21.4	31.5	21.9	9.1	4.2	1.9	.7	.9	.2	*	.0	*	*	.0	.C	.0	.C	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1890-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
N	.1	.1	.6	.0	.0	.0	.0	.8	.8	.2	.9	.0	1.7	.1	96.0
NE	3.2	1.1	2.5	.0	.0	.0	.0	6.7	.8	1.2	.5	.0	2.1	.0	88.7
E	3.3	.3	.6	.0	.0	.0	.0	4.2	3.7	2.7	.9	.0	1.2	.0	87.8
SE	2.3	.9	1.2	.0	.0	.0	.0	4.3	2.3	.8	.5	.0	1.7	.0	90.4
S	2.3	1.8	1.2	.0	.0	.0	.0	5.0	1.7	.3	.9	.0	3.3	.0	88.9
SW	1.7	.5	.8	.0	.0	.0	.0	2.6	1.3	.1	.2	.4	2.8	.0	92.6
W	.4	.1	.2	.0	.0	.0	.0	.7	.2	.5	.4	.0	3.1	.0	95.1
NW	.2	*	.1	.0	.0	.0	.0	.3	.1	.5	.4	.0	2.4	*	96.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.9	1.4	.0	7.9	.0	87.9
TOT PCT	.6	.2	.4	.0	.0	.0	.0	1.1	.5	.6	.5	*	2.6	*	94.6
TOT OBS:	8407														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
00E03	.4	.2	.2	.0	.0	.0	.0	.8	.4	*	.2	.0	3.2	.0	95.4
06E09	.6	.2	.3	.0	.0	.0	.0	1.0	.4	1.4	.3	.0	1.6	.1	95.3
12E15	.7	.3	.6	.0	.0	.0	.0	1.5	.5	1.3	.6	.1	2.5	.1	93.5
18E21	.7	.2	.4	.0	.0	.0	.0	1.3	.7	.1	.7	*	3.1	*	94.0
TOT PCT	.6	.2	.4	.0	.0	.0	.0	1.1	.5	.7	.5	*	2.6	*	94.6
TOT OBS:	8592														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	7.1	3.4	.1	.0	*		11.8	8.9	8.5	7.4	10.4	5.4	13.8	11.8	15.2	12.0
NE	.4	1.7	.4	*	*	*		2.5	8.1	1.3	.9	2.8	1.2	2.7	2.7	3.3	5.2
E	.6	1.5	.6	.2	*	*		2.9	9.1	1.9	3.1	3.4	2.9	3.0	4.4	3.3	3.6
SE	.7	2.1	1.5	.4	*	.0		4.7	10.8	5.1	6.0	4.6	6.2	4.3	2.4	4.9	4.3
S	.5	2.1	.8	.2	*	*		3.7	9.4	4.3	4.1	3.6	4.1	2.8	4.2	3.3	4.3
SW	.7	2.0	.5	*	*	*		3.2	7.2	4.8	4.3	2.3	3.7	2.4	2.8	2.7	3.0
W	1.4	10.1	4.5	.1	*	*		16.1	9.0	23.5	27.4	15.6	28.1	12.0	15.2	11.6	12.4
NW	2.6	26.9	20.6	.6	*	*		50.5	10.5	48.3	42.6	52.0	42.6	52.2	52.7	51.1	49.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5							4.5	.0	2.3	4.1	5.3	.8	6.8	3.9	4.5	2.4
TOT OBS	1110	4760	2872	144	13	7	8906		9.4	2204	145	1896	129	1773	233	2355	169
TOT PCT	12.5	53.4	32.2	1.6	.1	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	9.2	7.0	.6	*	*		11.8	8.9	8.4	10.1	13.5	15.0
NE	1.6	.9	.1	*	*		2.5	8.1	1.3	2.7	2.7	3.5
E	1.4	1.1	.3	.1	*		2.9	9.1	2.0	3.3	3.2	3.3
SE	1.7	2.1	.7	.2	*		4.7	10.8	5.1	4.7	4.1	4.9
S	1.5	1.8	.2	.1	*		3.7	9.4	4.3	4.0	3.0	3.4
SW	1.7	1.4	.1	*	*		3.2	7.2	4.0	2.4	2.5	3.0
W	5.3	9.9	.8	*	*		16.1	9.0	23.0	16.4	12.4	11.7
NW	11.3	34.4	4.7	.1	*		50.5	10.5	47.9	51.4	52.1	50.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.5						4.5	.0	2.4	5.0	6.4	4.4
TOT OBS	2944	5227	677	47	11	8906		9.4	2344	2027	2006	2529
TOT PCT	33.1	58.7	7.6	.5	.1		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1890-1979

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23.4N 111.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.4	6.6	49.9	38.8	2.1	.2	.0	10.2	100.0	2349
06&09	5.0	7.5	53.4	32.2	1.8	*	.1	9.4	100.0	2027
12&15	6.4	8.7	56.6	27.2	.8	.1	.1	8.5	100.0	2006
18&21	4.4	9.2	54.2	30.2	1.6	.2	.1	9.1	100.0	2524
TOT	397	713	4760	2872	149	13	7	9.4		8906
PCT	4.5	8.0	53.4	32.2	1.6	.1	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.5	2.9	3.6	1.3		3.8
NE	.7	.7	.7	.4		4.2
E	.8	.7	1.0	.4		4.3
SE	1.3	1.0	1.9	.6		4.4
S	.9	.9	1.1	.6		4.4
SW	1.3	.7	.8	.3		3.8
W	7.5	3.3	3.6	1.1		3.1
NW	23.7	10.9	12.2	4.2		3.2
VAR	.0	.0	.0	.0		.0
CALM	2.1	1.0	1.0	.4		3.2
TOT OBS	2972	1522	1788	645	6927	3.4
TOT PCT	42.9	22.0	25.8	9.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	*	*	.2	.8	1.4	.5	.3	*	*	.1	3.9	
NE	.1	.0	.0	.2	.7	.1	*	.0	*	*	1.8	
E	.0	.0	*	.2	.3	.1	*	*	.0	.0	2.1	
SE	*	*	.1	.5	.3	.3	.2	.0	*	.0	3.5	
S	.1	*	.1	.2	.3	.2	.1	.0	*	.0	2.5	
SW	*	.0	.1	.1	.2	.1	*	.0	.0	.0	2.5	
W	*	*	.1	.7	.9	.4	.2	*	*	.1	13.2	
NW	.2	.1	.4	2.6	4.3	1.7	.9	.2	.1	.2	42.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	.0	.1	.2	.3	.1	*	.0	.0	.1	3.8	
TOT OBS	31	11	69	386	575	237	112	19	18	26	5443	6927
TOT PCT	.4	.2	1.0	5.6	8.3	3.4	1.6	.3	.3	.4	78.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	.5	.7	.7	.7	.7	.7	.7	.7
: OR >5000	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: OR >3500	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
: OR >2000	4.9	5.8	5.9	5.9	5.9	5.9	5.9	5.9
: OR >1000	12.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2
: OR >600	16.5	19.5	19.7	19.7	19.7	19.7	19.7	19.7
: OR >300	17.1	20.4	20.6	20.7	20.7	20.7	20.7	20.7
: OR >150	17.2	20.6	20.8	20.9	20.9	20.9	20.9	20.9
: OR > 0	17.4	20.9	21.2	21.3	21.3	21.3	21.4	21.4
TOTAL	1230	1478	1493	1500	1502	1504	1507	1507

TOTAL NUMBER OF OBS: 7057

PCT FREQ NH <5/8: 78.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
23.5	19.4	15.6	11.2	8.4	5.0	5.0	5.1	6.1	.4	7435

PERIOD: (PRIMARY) 1955-1979
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	*	*	*	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	*	*	.0	*	.0	.0	.1	
	TOT %	*	*	*	*	*	*	.0	*	.0	.0	.1	
1/2<1	PCP	*	.0	.0	*	*	*	*	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
	TOT %	*	.0	.0	*	*	*	*	*	.0	.0	.1	
1<2	PCP	.0	*	.0	*	*	*	*	*	.0	.0	.1	
	NO PCP	*	*	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	*	*	.0	*	*	*	*	*	.0	.0	.1	
2<5	PCP	*	*	*	*	*	*	*	*	.0	.0	.1	
	NO PCP	*	*	*	*	*	*	*	.1	.0	*	.3	
	TOT %	*	*	.1	.1	*	*	.1	.2	.0	*	.5	
5<10	PCP	*	.1	.1	.1	.1	*	*	.1	.0	.0	.4	
	NO PCP	1.1	.3	.3	.5	.4	.4	1.4	3.9	.0	.5	8.4	
	TOT %	1.1	.4	.4	.5	.4	.4	1.5	3.9	.0	.5	9.2	
10+	PCP	*	*	*	.1	.1	*	*	*	.0	.0	.4	
	NO PCP	10.8	2.0	2.4	4.1	3.1	2.7	14.3	46.4	.0	3.8	89.7	
	TOT %	10.9	2.1	2.5	4.1	3.2	2.8	14.3	46.5	.0	3.8	90.0	
	TOT OBS												8390
	TOT PCT	12.0	2.5	2.9	4.8	3.7	3.2	15.9	50.6	.0	4.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	.0	.0	*	*	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	*	*	*	*	.0	.0	.0	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	*	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	*	*	*	.0	.0		*	
	22+	*	.0	.0	*	*	.0	.0	*	.0		*	
	TOT %	*	.0	.0	*	*	*	*	*	.0	.0	.1	
1<2	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	*	*	.0	.0	.0	*	*	*	.0		.1	
	11-21	.0	.0	.0	*	.0	.0	.0	*	.0		*	
	22+	.0	*	.0	*	*	*	*	.0	.0		.1	
	TOT %	*	*	.0	*	*	*	*	*	.0	.0	.2	
2<5	0-3	.0	.0	*	*	.0	*	*	*	.0	*	.1	
	4-10	*	*	*	*	*	*	.1	.2	.0		.4	
	11-21	*	.0	.0	*	.0	*	*	.1	.0		.2	
	22+	*	*	*	.1	*	*	.0	.0	.0		.2	
	TOT %	.1	*	.1	.1	*	*	.1	.4	.0	*	.9	
5<10	0-3	.1	*	*	.1	.1	.1	.1	.2	.0	.6	1.3	
	4-10	.6	.2	.1	.1	.2	.2	.9	1.9	.0		4.2	
	11-21	.4	.1	.2	.2	.1	.1	.4	1.7	.0		3.2	
	22+	*	*	.1	.1	.1	*	*	*	.0		.3	
	TOT %	1.1	.4	.4	.5	.4	.4	1.5	3.8	.0	.6	9.0	
10+	0-3	1.1	.3	.5	.7	.4	.6	1.2	2.3	.0	3.8	10.8	
	4-10	6.6	1.5	1.6	1.9	1.9	1.8	9.0	24.5	.0		48.6	
	11-21	3.0	.3	.5	1.2	.7	.4	4.0	19.8	.0		29.1	
	22+	.1	.0	.1	.3	.1	.0	.1	.6	.0		1.2	
	TOT %	10.7	2.1	2.4	4.1	3.1	2.7	14.3	46.4	.0	3.8	89.6	
	TOT OBS												8693
	TOT PCT	11.9	2.6	2.9	4.7	3.7	3.2	15.9	50.7	.0	4.4	100.0	

AUGUST

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1890-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.2	.8	4.2	6.1	2.4	1.4	.4	.1	.6	16.2	83.8	1999
06&09	.8	.2	.6	5.1	7.4	3.3	1.3	.2	.2	.3	19.4	80.6	1657
12&15	.4	.1	1.1	7.6	10.2	3.2	1.6	.3	.3	.5	25.4	74.6	1586
18&21	.4	.1	1.3	4.9	8.7	4.1	1.8	.3	.3	.2	22.2	77.8	2103
TOT	33	12	71	390	589	240	112	21	18	29	1515	5830	7345
PCT	.4	.2	1.0	5.3	8.0	3.3	1.5	.3	.2	.4	20.6	79.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.0	.2	.5	7.6	91.7	2313
06&09	.1	*	.2	1.1	9.8	88.7	2041
12&15	.1	.1	.3	1.3	11.0	87.3	1981
18&21	.4	.2	.2	.8	8.4	90.0	2497
TOT	16	6	19	80	802	7909	8832
PCT	.2	.1	.2	.9	9.1	89.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.2	1.3	6.0	11.3	82.7	1901
06&09	.4	1.8	7.8	13.1	79.1	1586
12&15	.5	1.8	10.4	16.4	73.2	1527
18&21	.5	2.0	7.4	15.7	76.9	2043
TOT	35	120	549	993	5515	7057
PCT	.5	1.7	7.8	14.1	78.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	*	.1	.0	.0	.0	8	.1
90/94	.0	.0	*	.1	.3	.2	.1	.1	50	.7
85/89	.0	*	*	.2	1.6	2.9	.8	.2	404	5.7
80/84	.0	.0	.1	.2	3.0	13.9	14.2	3.0	2418	34.4
75/79	.0	.0	*	.1	.8	10.8	20.0	8.4	2817	40.0
70/74	.0	.0	.0	.0	.1	2.1	8.6	6.7	1235	17.5
65/69	.0	.0	.0	*	*	.1	.7	.7	104	1.5
60/64	.0	.0	.0	.0	.0	.0	*	*	3	*
TOTAL	0	1	10	44	410	2105	3130	1339	7039	100.0
PCT	.0	*	.1	.6	5.8	29.9	44.5	19.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	*	.0	.0	.0	*	*	.0	.0
*	*	.1	.1	*	*	.1	.2	.0	*
.6	.1	.3	.5	.4	.3	.9	2.5	.0	.2
3.6	1.0	1.5	2.5	1.5	1.1	6.0	15.4	.0	1.8
5.6	1.3	.9	1.3	1.4	1.0	6.0	20.7	.0	1.8
2.4	.2	.1	.3	.3	.3	2.3	10.9	.0	.6
.3	*	.0	*	*	*	.1	1.1	.0	*
.0	.0	.0	.0	.0	.0	.0	*	.0	*
12.6	2.7	2.8	4.7	3.6	2.7	15.5	50.9	.0	4.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	91	87	80	73	70	61	80.0	2371
06&09	95	84	82	77	70	68	61	76.9	2066
12&15	89	84	82	76	70	67	63	76.1	2050
18&21	97	90	86	80	73	70	63	79.7	2555
TOT	97	89	85	78	71	68	61	78.3	9042

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.1	9.6	39.8	39.9	9.7	79	1894
06&09	.0	.3	1.9	16.8	52.3	29.2	85	1680
12&15	.0	.3	1.1	16.1	49.5	33.0	86	1601
18&21	.0	1.3	9.7	42.2	38.1	8.8	79	2020
TOT	0	56	418	2146	3196	1379	82	7195

PERIOD: (PRIMARY) 1955-1979
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
24/30	.0	.0	.0	.0	.0	.0	*	.0	*	2	.0	*
23/25	.0	.0	.0	.0	.0	.0	.0	*	.0	2	.0	*
20/22	.0	.0	.0	.0	.0	.0	*	.0	*	2	.0	*
17/19	.0	.0	.0	.0	*	*	*	*	*	9	.0	.1
14/16	.0	.0	.0	*	*	.1	.2	.1	*	31	.0	.4
11/13	.0	.0	.0	.1	.2	.3	.3	.1	*	83	.0	1.1
9/10	.0	.0	.0	.1	.4	.6	.3	.1	*	121	.0	1.6
7/8	.0	*	*	.4	.9	1.1	.4	.2	*	239	*	3.1
6	.0	.0	.1	.2	.8	.7	.3	.1	.0	171	*	2.2
5	.0	.0	.1	.6	1.0	1.4	.8	*	.0	298	*	3.8
4	.0	.0	.1	.9	1.5	1.5	.4	.1	.0	362	*	4.6
3	.0	.0	.1	.9	1.4	1.6	.7	*	.0	372	*	4.8
2	*	*	.5	1.6	2.3	2.4	.6	*	.0	579	.1	7.4
1	.0	*	.5	1.7	2.5	2.1	.5	.0	.0	557	*	7.1
0	*	.1	.8	2.9	4.8	3.1	.5	*	.0	956	.1	12.2
-1	*	.1	.8	2.8	4.0	2.9	.2	.0	.0	840	.0	10.6
-2	*	.1	1.3	3.6	4.4	2.7	.1	.0	.0	960	.1	12.3
-3	.0	.1	.7	2.1	3.4	1.7	.1	.0	.0	626	*	8.0
-4	*	.2	.7	1.9	3.1	1.2	*	.0	.0	555	*	7.1
-5	.0	.1	.6	1.9	2.1	.7	.0	.0	.0	420	*	5.4
-6	.0	.1	.4	1.0	1.1	.2	*	.0	.0	214	*	2.7
-7/-8	*	*	.5	1.2	1.1	.2	.0	.0	.0	240	*	3.1
-9/-10	*	*	.2	.6	.4	*	*	.0	.0	91	.0	1.2
-11/-13	.0	*	.1	.2	.1	*	.0	.0	.0	32	.0	.4
-14/-16	.0	*	.1	*	*	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
-20/-22	.0	.0	*	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	12	66	593	1909	2754	1927	432	72	11	7774	38	7736
PCT	.2	.9	7.6	24.6	35.4	24.8	5.6	.9	.1	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.1	.0	.0	.0	.0	1.7
1-2	.4	4.9	1.1	.0	.0	*	6.4
3-4	.1	1.9	1.8	.0	.0	.0	3.8
5-6	.0	.4	.6	*	.0	.0	1.1
7	.0	*	.2	.0	.0	.0	.3
8-9	.0	.1	*	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	8.5	3.8	*	.0	*	13.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	.2	1.0	.1	.0	.0	.0	1.3
3-4	*	.2	.1	*	.0	.0	.4
5-6	.0	.1	.1	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	*	*	.0	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	*	.0	*
13-16	.0	.0	.0	.0	.0	*	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	*	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	.5	.1	*	.1	2.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.2	.6	.1	.0	.0	.0	1.1
3-4	*	.5	.2	*	.0	.0	.8
5-6	.0	*	.4	.1	.0	.0	.5
7	.0	*	*	*	.0	.0	.1
8-9	.0	*	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	*	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.7	.7	.3	.0	.0	3.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.3	*	.0	.0	.0	.6
1-2	.1	.9	.3	.0	.0	.0	1.4
3-4	*	.4	.5	.0	.0	.0	1.0
5-6	.1	.3	.7	.1	.0	.0	1.2
7	.0	.0	*	.2	.0	.0	.2
8-9	.0	*	*	.2	.0	.0	.3
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.0	1.7	.7	.1	.0	4.9

AUGUST

PERIOD: (OVER-ALL) 1963-1979 AREA 0002 SOUTHWEST BASIN 23.4N 111.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.1	.0	.0	.0	.4
1-2	.1	1.1	.1	.0	.0	.0	1.3
3-4	.0	.4	.2	.0	.0	.0	.6
5-6	.0	.2	.2	.0	.0	.0	.5
7	.0	*	*	.1	.0	.0	.2
8-9	.0	*	*	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	*	*	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.0	.7	.1	*	*	3.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.5	.0	.0	.0	.0	.6
1-2	.2	.7	.2	.0	.0	.0	1.2
3-4	.0	.2	.3	.0	.0	.0	.5
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	*	.0	.0	*
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.7	5.2	.2	.0	.0	14.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.3	.2	.0	.0	.0	1.9
1-2	.3	4.7	1.3	.0	.0	.0	6.4
3-4	*	2.3	2.4	*	.0	.0	4.8
5-6	.0	.2	1.0	*	.0	.0	1.3
7	.0	.0	.2	.1	.0	.0	.3
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	8.7	5.2	.2	.0	.0	14.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	3.1	.1	.0	.0	.0	4.1
1-2	.9	14.2	5.1	.0	.0	*	20.2
3-4	.1	8.0	10.2	.0	.0	.0	18.3
5-6	*	1.6	5.5	.1	.0	.0	7.3
7	.0	*	1.2	.2	.0	.0	1.5
8-9	.0	.1	.3	.0	.0	.0	.4
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	27.0	22.5	.4	.0	*	52.0

HGT	PCT	TOTAL PCT
<1	4.1	
1-2	20.2	
3-4	18.3	
5-6	7.3	
7	1.5	
8-9	.4	
10-11	*	
12	.0	
13-16	.0	
17-19	.0	
20-22	.0	
23-25	.0	
26-32	.0	
33-40	.0	
41-48	.0	
49-60	.0	
61-70	.0	
71-86	.0	
87+	.0	
TOT PCT	52.0	96.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.6	7.5	.4	.0	.0	.0	14.4	
1-2	2.9	28.2	8.3	.0	.0	*	39.4	
3-4	.5	13.6	15.5	.1	.0	.0	29.7	
5-6	.1	2.8	8.5	.4	.0	.0	11.9	
7	.0	.2	1.8	.5	.0	.0	2.6	
8-9	.0	.3	.5	.3	.0	.0	1.1	
10-11	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	*	*	.0	.1	
13-16	.0	.0	.0	.1	.1	*	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.1	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.1	52.7	35.1	1.8	.1	.2	100.0	2727

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.7	15.9	17.4	6.8	2.5	.8	.3	.1	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3060	3
6-7	.1	2.4	9.0	7.8	3.2	1.0	.5	.3	.2	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	1582	5
8-9	*	.8	2.8	3.2	1.9	1.3	.9	.2	.3	.1	.1	*	*	.0	.0	.0	.0	.0	.0	747	6
10-11	.0	.4	.9	1.0	1.0	.5	.3	.2	.2	*	*	.0	.0	*	.0	.0	.0	.0	.0	297	6
12-13	.0	.0	.7	.6	.4	.1	.1	*	.1	*	.0	.0	*	.0	.0	.0	.0	.0	.0	125	6
>13	.0	.0	.0	.3	.3	.3	.2	.1	*	*	*	.0	*	.0	*	.0	.0	.0	.0	81	9
INDET	3.2	1.3	1.6	1.0	.6	.2	.1	*	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	528	3
TOTAL	449	1337	2081	1331	661	271	140	59	73	21	10	2	3	1	1	0	0	0	0	6420	4
PCT	7.0	20.8	32.4	20.7	10.0	4.2	2.2	.9	1.1	.3	.2	*	*	*	*	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1962-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.5	.2	.6	.0	.0	.0	.0	1.2	.6	.7	.5	.0	2.2	.2		94.6
NE	3.9	1.0	2.5	.0	.0	.0	.0	7.3	1.6	1.3	.5	.0	2.9	.0		86.4
E	2.3	4.1	1.3	.0	.0	.0	.0	7.7	2.4	4.1	.8	.0	1.4	.0		84.4
SE	2.3	1.7	1.7	.0	.0	.0	.0	5.7	2.4	1.2	.5	.0	1.4	.0		88.8
S	1.5	1.8	.5	.0	.0	.0	.0	3.8	2.4	1.0	.1	.0	.8	.0		91.9
SW	1.9	.7	1.8	.0	.0	.0	.0	4.5	1.1	.8	1.3	.0	3.0	.0		89.4
W	.2	.0	1.0	.0	.0	.0	.0	1.1	.6	.8	.3	.1	3.2	.1		93.7
NW	.3	.1	.2	.0	.0	.0	.0	.6	.2	.6	.4	.0	2.4	.1		95.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.3	.0	.0	.0	.0	.3	.6	1.2	.9	.3	4.3	.3		92.0
TOT PCT	.7	.4	.6	.0	.0	.0	.0	1.7	.7	.9	.4	*	2.5	.1		93.7
TOT OBS:	4297															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
0003	.8	.4	.5	.0	.0	.0	.0	1.7	.6	.3	.1	.0	2.8	.1		94.5
0609	.6	.2	.6	.0	.0	.0	.0	1.4	.9	1.9	.4	.0	1.9	.3		93.3
1215	.8	.6	.9	.0	.0	.0	.0	2.1	.7	1.5	.5	.1	1.8	.1		93.2
1821	.6	.5	.6	.0	.0	.0	.0	1.6	.6	*	.7	*	3.1	*		93.9
TOT PCT	.7	.4	.6	.0	.0	.0	.0	1.7	.7	.9	.4	*	2.4	.1		93.7
TOT OBS:	8414															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	7.0	5.2	.4	*	*		13.6	10.5	10.3	7.8	13.2	9.6	14.9	12.0	16.7	14.3
NE	.3	1.8	.8	.1	*	*		3.2	10.0	2.1	1.9	2.5	1.9	3.5	4.7	4.2	5.9
E	.5	1.2	.9	.3	.1	.0		3.0	11.7	2.2	2.5	2.8	1.3	3.4	4.7	3.5	6.0
SE	.5	2.5	1.6	.6	.1	*		5.2	12.1	5.2	6.8	5.1	4.9	4.5	6.3	5.2	9.1
S	.5	2.3	1.1	.3	.1	*		4.2	10.3	5.4	5.7	4.7	5.6	3.6	1.6	3.9	2.4
SW	.5	2.0	.9	.1	*	.0		3.5	9.1	5.6	4.4	3.0	3.9	2.8	4.7	2.7	1.1
W	1.3	8.4	4.0	.3	*	.0		14.0	9.4	17.8	17.9	15.6	10.5	12.4	12.2	10.5	12.4
NW	2.3	23.3	22.2	1.2	*	.0		49.1	11.2	48.9	50.0	48.7	51.7	48.8	49.4	49.8	47.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.1							4.1	.0	2.5	2.9	4.3	.7	6.4	4.2	4.0	1.1
TOT OBS	967	4289	3254	294	34	5	8845		10.3	2100	170	1887	135	1760	237	2378	178
TOT PCT	10.9	48.5	36.8	3.3	.4	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.7	8.2	1.6	.1	*		13.6	10.5	10.1	12.9	14.6	16.5
NE	1.2	1.5	.3	.1	*		3.2	10.0	2.1	2.5	3.7	4.3
E	1.1	1.2	.5	.2	*		3.0	11.7	2.2	2.7	3.6	3.7
SE	1.6	2.3	.9	.3	.1		5.2	12.1	5.3	5.2	4.7	5.4
S	1.5	2.0	.5	.1	*		4.2	10.3	5.5	4.7	3.4	3.4
SW	1.7	1.5	.4	*	*		3.5	9.1	5.5	3.1	3.0	2.6
W	4.7	8.4	.9	.1	.0		14.0	9.4	17.8	15.6	12.4	10.6
NW	10.2	32.2	6.5	.2	*		49.1	11.2	49.0	48.9	48.6	49.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.1						4.1	.0	2.5	4.1	6.1	3.8
TOT OBS	2636	5065	1033	96	15	8845		10.3	2270	2022	1997	2556
TOT PCT	29.8	57.3	11.7	1.1	.2		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1882-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	2.5	5.7	43.4	43.9	3.9	.5	.1	11.3	100.0	2270
06609	4.1	6.7	49.7	35.9	3.3	.2	0	10.2	100.0	2022
12615	6.1	6.3	53.0	31.6	2.7	.2	.1	9.5	100.0	1997
18621	3.8	8.4	48.5	35.3	3.3	.5	0	10.1	100.0	2550
TOT	360	627	4289	3256	294	34	5	10.3		8845
PCT	4.1	6.9	48.5	36.8	3.3	.4	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.6	3.0	3.3	1.7		3.2
NE	.9	.8	.9	.4		4.1
E	.7	.6	.9	.7		4.7
SE	1.3	1.3	1.8	.7		4.4
S	1.3	1.1	1.3	.7		4.2
SW	1.3	.8	.7	.7		3.8
W	7.0	3.0	2.8	1.1		2.9
NW	25.8	9.7	10.2	3.1		2.8
VAR	.0	.0	.0	.0		.0
CALM	2.3	.9	.7	.2		2.5
TOT OBS	3239	1452	1549	600	6840	3.1
TOT PCT	47.4	21.2	22.6	8.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >8/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	0	.1	.6	1.5	.5	.3	0	.1	0	10.9	
NE	.1	.0	.1	.3	.2	.1	0	0	.0	0	2.3	
E	.1	0	.1	.4	.4	.1	0	.0	.0	.0	1.4	
SE	.1	0	.1	.4	.5	.2	.1	0	0	0	1.6	
S	0	0	.1	.2	.3	.2	.1	0	.0	0	1.2	
SW	.1	0	.1	.4	.3	.1	0	0	0	0	2.4	
W	.1	.0	.2	.7	1.0	.3	.2	0	0	0	11.3	
NW	.2	.1	.4	2.1	3.6	1.5	.7	.2	.1	.1	40.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0	.0	.1	.1	.2	0	0	.0	0	0	3.6	
TOT OBS	52	15	79	352	560	205	99	24	18	19	5617	6840
TOT PCT	.8	.2	1.2	5.1	8.2	3.0	1.4	.4	.3	.3	79.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >8/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SCYC	: OR >C
: OR >6500	.5	.5	.6	.6	.6	.6	.6	.6
: OR >5000	.8	.9	.9	.9	.9	.9	.9	.9
: OR >3500	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
: OR >2000	4.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3
: OR >1000	11.2	13.3	13.5	13.5	13.5	13.5	13.5	13.5
: OR >600	14.8	18.0	18.4	18.5	18.5	18.6	18.6	18.6
: OR >300	15.5	18.9	19.4	19.6	19.6	19.7	19.7	19.7
: OR >150	15.7	19.1	19.6	19.8	19.9	19.9	19.9	19.9
: OR > 0	16.0	19.5	20.2	20.4	20.5	20.6	20.7	20.7
TOTAL	1106	1350	1396	1410	1420	1426	1429	1429

TOTAL NUMBER OF OBS: 6912

PCT FREQ HH <5/8: 79.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
25.9	19.2	14.7	11.6	7.3	5.0	5.6	4.4	5.9	.5	7244

PERIOD: (PRIMARY) 1954-1976
(OVER-ALL) 1902-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	*	*	*	*	.0	*	.0	.0	.1	
	NO PCP	*	*	.0	.0	.0	.0	.0	*	.0	*	.1	
	TOT %	*	*	*	*	*	*	.0	*	.0	*	.1	
1/2<1	PCP	*	*	*	*	*	*	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	*	*	*	*	*	*	.0	*	.0	.0	.1	
1<2	PCP	.0	*	*	.1	.0	*	*	*	.0	*	.2	
	NO PCP	*	*	.0	*	.0	*	*	.0	.0	.0	.1	
	TOT %	*	*	*	.1	.0	*	*	*	.0	*	.2	
2<5	PCP	*	.1	.1	.1	*	*	*	*	.0	.0	.3	
	NO PCP	.1	.1	.1	*	*	.1	*	.1	.0	*	.5	
	TOT %	.1	.1	.1	.1	.1	.1	.1	.2	.0	*	.8	
5<10	PCP	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.6	
	NO PCP	1.2	.3	.4	.7	.5	.6	1.5	4.2	.0	.3	9.5	
	TOT %	1.2	.4	.5	.8	.5	.6	1.5	4.3	.0	.3	10.2	
10+	PCP	.1	.1	*	.1	*	*	*	.1	.0	.0	.5	
	NO PCP	12.4	2.5	2.4	4.2	3.7	2.6	12.5	44.6	.0	3.5	88.1	
	TOT %	12.4	2.5	2.5	4.2	3.7	2.7	12.5	44.5	.0	3.5	88.6	
	TOT OBS												8276
	TOT PCT	13.8	3.1	3.1	5.2	4.3	3.4	14.1	49.0	.0	3.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	*	*	.0	.0	*	.0	.0	*	.0		.1	
	11-21	*	*	.0	.0	*	*	.0	*	.0		.1	
	22+	.0	*	*	*	*	.0	.0	*	.0		*	
	TOT %	*	*	*	*	*	*	.0	.1	.0	*	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	*	.0	.0	*	.0		*	
	11-21	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	22+	*	*	*	*	*	*	.0	*	.0		.1	
	TOT %	*	*	*	*	*	*	.0	*	.0	.0	.1	
1<2	0-3	*	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	4-10	.0	*	*	*	.0	.0	.0	*	.0		.1	
	11-21	.0	.0	*	*	.0	.0	*	*	.0		.1	
	22+	.0	*	*	*	.0	*	*	*	.0		.1	
	TOT %	*	*	*	.1	.0	*	*	.1	.0	*	.3	
2<5	0-3	.0	*	*	.0	.0	*	*	*	.0	*	.1	
	4-10	*	*	*	*	*	*	.1	.2	.0		.4	
	11-21	.1	*	*	.0	.0	*	*	.2	.0		.3	
	22+	*	*	.1	.1	*	*	*	*	.0		.3	
	TOT %	.1	.1	.1	.1	*	.1	.1	.4	.0	*	1.2	
5<10	0-3	.1	*	.1	*	*	.1	.1	.2	.0	.3	1.0	
	4-10	.6	.2	.2	.2	.2	.3	.9	1.8	.0		6.2	
	11-21	.5	.1	.1	.3	.2	.3	.4	2.0	.0		3.9	
	22+	.1	*	.1	.3	.1	.1	.1	.2	.0		.9	
	TOT %	1.2	.4	.5	.8	.5	.6	1.5	4.2	.0	.3	10.0	
10+	0-3	.9	.3	.4	.4	.4	.4	1.2	2.1	.0	3.6	9.7	
	4-10	6.5	1.5	1.0	2.2	2.1	1.6	7.4	21.2	.0		43.6	
	11-21	4.6	.7	.6	1.3	.9	.6	3.6	20.2	.0		32.7	
	22+	.3	.1	.2	.3	.2	*	.2	1.0	.0		2.2	
	TOT %	12.3	2.5	2.4	4.2	3.6	2.7	12.4	44.5	.0	3.6	88.2	
	TOT OBS												8610
	TOT PCT	13.6	3.1	3.1	5.2	4.3	3.5	14.0	49.2	.0	4.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1882-1979

AREA C002 SOUTHWEST BAJA
23.4N 111.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.4	.3	1.3	4.4	7.3	2.7	1.4	.4	.3	.2	18.6	81.4	1912
06&09	.6	.2	1.0	4.9	6.6	1.8	1.0	.2	.1	.5	16.9	83.1	1633
12&15	1.1	.0	1.3	6.5	8.2	2.8	1.0	.4	.1	.5	21.9	78.1	1527
18&21	.9	.4	1.0	4.4	9.4	4.1	1.9	.4	.4	*	22.9	77.1	2072
TOT	52	16	81	355	567	207	99	25	18	21	1441	5703	7144
PCT	.7	.2	1.1	5.0	7.9	2.9	1.4	.3	.3	.3	20.2	79.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	*	.3	.9	8.6	89.9	2233
06&09	.1	.1	.1	1.2	11.3	87.1	2022
12&15	.3	.2	.3	1.6	11.4	86.3	1971
18&21	.2	.1	.4	1.1	9.0	89.1	2502
TOT	19	10	25	103	872	7699	8728
PCT	.2	.1	.3	1.2	10.0	88.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.4	2.0	6.8	12.4	80.9	1846
06&09	.6	1.9	7.5	10.2	82.2	1577
12&15	1.2	2.6	10.0	13.2	76.8	1477
18&21	.9	2.3	7.2	16.5	76.3	2012
TOT	52	151	535	916	5461	6912
PCT	.8	2.2	7.7	13.3	79.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	*	*	*	*	.0	.0	.0	4	.1
90/94	.0	.0	*	.1	.3	.3	.1	.1	64	.9
85/89	.0	.0	*	.1	1.6	4.7	1.5	.3	572	8.2
80/84	.0	.0	*	.2	3.3	15.2	17.2	3.8	2775	39.9
75/79	.0	.0	.0	*	1.3	9.6	16.8	8.9	2549	36.6
70/74	.0	.0	.0	.1	.5	2.9	5.5	3.9	859	12.3
65/69	.0	.0	.0	.0	.0	.1	1.0	.8	129	1.9
60/64	.0	.0	.0	.0	.0	.0	.1	.1	8	.1
TOTAL	0	1	7	43	492	2250	2927	1240	6960	100.0
PCT	.0	*	.1	.6	7.1	32.3	42.1	17.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	*	*	.0	.0	.0	*	.0	.0
.1	*	*	.1	*	*	.2	.4	.0	*
.9	.2	.3	.8	.5	.5	1.3	3.2	.0	.5
5.1	1.4	1.5	2.8	2.2	1.4	6.0	17.3	.0	2.2
5.3	1.1	.9	1.4	1.4	1.2	9.8	19.3	.0	1.1
2.4	.3	.2	.2	.1	.2	1.3	7.3	.0	.2
.4	.1	.0	*	*	*	.2	1.1	.0	*
*	.0	.0	.0	.0	.0	*	.1	.0	.0
14.3	3.2	3.0	5.1	4.3	3.5	13.8	48.7	.0	4.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	99	90	88	81	73	69	62	80.6	2282
06&09	88	85	83	78	70	66	62	77.7	2047
12&15	90	84	82	77	70	66	63	77.0	2022
18&21	97	90	87	81	73	70	66	80.7	2568
TOT	99	89	86	79	72	68	62	79.2	8919

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.2	10.6	42.0	35.9	10.3	79	1814
06&09	.0	.4	2.7	22.0	51.0	24.3	84	1664
12&15	.0	.2	1.8	18.1	51.0	28.9	85	1578
18&21	.0	1.0	11.8	42.9	33.6	10.8	79	2008
TOT	0	52	495	2275	2979	1263	81	7064

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1882-1979

AREA 0002 SOUTHWEST BAJA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
20/22	.0	.0	.0	.0	.0	*	.0	.0	.0	1	.0	*
17/19	.0	.0	.0	.0	*	*	*	*	*	10	.0	.1
14/16	.0	.0	.0	.0	*	.1	*	.1	*	16	.0	.2
11/13	.0	.0	.0	*	.2	.2	.1	.1	*	50	*	.6
9/10	.0	.0	*	*	.2	.4	.2	.2	.0	75	*	1.0
7/8	.0	.0	.0	.3	.4	.7	.6	.3	*	179	.0	2.3
6	.0	.0	*	.2	.4	.6	.5	.1	*	140	*	1.8
5	.0	*	.1	.2	.7	1.1	.6	.1	*	214	.0	2.8
4	.0	.0	.2	.4	.9	1.9	.8	.1	.0	339	.0	4.4
3	.0	*	.1	.4	1.1	1.8	.7	.1	.0	328	*	4.3
2	.0	.1	.2	.9	2.3	2.8	1.0	.1	.0	558	*	7.3
1	.0	.1	.3	1.0	2.1	2.8	1.0	*	.0	547	*	7.2
0	*	.1	.4	1.9	4.1	5.3	.9	*	.0	980	.1	12.8
-1	.0	.1	.5	1.7	3.6	3.4	.7	.0	.0	761	.1	9.9
-2	*	.2	.6	2.3	5.1	3.7	.3	.0	.0	931	.1	12.1
-3	*	.1	.6	1.9	3.7	2.4	.1	.0	.0	671	*	8.8
-4	*	.1	.8	2.4	3.5	1.9	.1	.0	.0	663	.0	8.7
-5	*	.1	.5	1.9	2.9	.9	.1	.0	.0	496	*	6.5
-6	.0	.1	.4	1.1	1.6	.3	*	.0	.0	261	.0	3.4
-7/-8	.0	.1	.5	1.3	1.4	.2	*	.0	.0	265	*	3.5
-9/-10	.0	.1	.3	.5	.4	*	.0	.0	.0	90	.0	1.2
-11/-13	*	*	.1	.3	.1	*	.0	.0	.0	40	.0	.5
-14/-16	*	*	.1	*	*	.0	.0	.0	.0	9	.0	.1
-17/-19	*	*	.0	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	12	85	491	1431	7636	2333	589	98	12	7627	52	7595
PCT	.2	1.1	5.7	18.8	34.6	30.6	7.7	1.3	.2	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.5	.1	.0	.0	.0	1.8
1-2	.4	3.6	1.4	.0	.0	.0	5.5
3-4	.0	2.6	3.2	.1	.0	.0	5.9
5-6	.1	.5	1.8	.1	.0	.0	2.6
7	.0	*	.7	.1	.0	.0	.8
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	*	*	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	8.4	7.5	.4	.0	.0	16.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	*	.0	.0	.0	.6
1-2	*	1.2	.4	.0	.0	.0	1.6
3-4	*	.3	.3	*	.0	.0	.7
5-6	.0	.2	.2	.0	.0	.0	.3
7	.0	*	.1	.0	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	*	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.9	1.1	.0	.0	*	3.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.3
1-2	*	.5	.2	.0	.0	.0	.8
3-4	*	.2	.2	.1	.0	.0	.5
5-6	.0	*	.1	.1	.0	.0	.4
7	.0	.0	.2	.1	*	.0	.3
8-9	.0	*	.0	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.9	.8	.5	*	.0	2.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	*	.0	.0	.0	.7
1-2	.0	.7	.2	.0	.0	.0	.9
3-4	.0	.4	.8	*	.0	.0	1.3
5-6	.0	*	.5	.2	.0	.0	.7
7	.0	*	.1	.3	*	.0	.4
8-9	.0	.0	.1	*	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.7	1.6	.7	*	.0	4.2

SEPTEMBER

PERIOD: (OVER-ALL) 1963-1979 — TABLE 18 (CONT) — AREA 006? SOUTHWEST PAJA 23.4N 111.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.4
1-2	.0	1.0	.2	.0	.0	.0	1.2
3-4	.0	.8	.4	.0	.0	.0	1.2
5-6	.0	.2	.3	.1	.0	.0	.6
7	.0	.0	.1	.1	.0	.0	.3
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.3	1.0	.2	.0	.0	3.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6
1-2	.1	.7	.1	.0	.0	.0	.9
3-4	.0	.3	.4	.0	.0	.0	.7
5-6	.1	.1	.2	.1	.0	.0	.4
7	.0	*	.1	.0	.0	.0	.2
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.5	.8	.1	*	.0	2.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.4	*	.0	.0	.0	1.8
1-2	.4	3.4	.9	.0	.0	.0	4.7
3-4	.2	2.0	1.4	.1	.0	.0	3.6
5-6	*	.5	1.3	.1	.0	.0	2.0
7	.0	.1	.3	*	*	.0	.5
8-9	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	*	.0	*
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	7.4	4.0	.3	.1	.0	12.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	1.9	.1	.0	.0	.0	2.8	
1-2	.5	11.9	4.6	.0	.0	.0	17.0	
3-4	.3	7.0	11.5	.4	.0	.0	19.2	
5-6	*	1.0	7.0	.3	.0	.0	8.3	
7	.0	.1	1.7	.2	.0	.0	2.0	
8-9	.0	.0	.3	.1	*	.0	.4	
10-11	.0	.0	.2	.0	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	*	*	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	21.9	25.4	1.1	*	.0	50.1	96.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.0	6.4	.3	.0	.0	.0	12.8	
1-2	1.7	23.2	7.8	.0	.0	.0	32.7	
3-4	.6	13.4	17.9	.8	.0	.0	32.7	
5-6	.3	2.6	11.4	.9	.0	.0	15.3	
7	.0	.4	3.2	.9	.1	.0	4.5	
8-9	.0	.1	.5	.3	*	.0	.9	
10-11	.0	.0	.2	.1	.0	.0	.4	
12	.0	.0	.0	.1	*	.0	.2	
13-16	.0	.0	.2	.2	.0	.0	.4	
17-19	.0	.0	.0	.0	.0	*	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2117
TOT PCT	8.7	46.1	41.7	3.3	.2	*	100.0	

PERIOD: (OVER-ALL) 1949-1979 — TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.4	14.2	17.2	8.0	2.3	.9	.5	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2910	3
6-7	.1	1.9	7.1	8.3	4.0	1.5	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1518	5
8-9	*	.9	2.8	2.8	2.6	1.5	.7	.5	.4	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	784	6
10-11	.0	.4	.9	.8	.6	.8	.3	.3	.1	.1	*	*	*	.0	.0	.0	.0	.0	.0	260	7
12-13	.0	.0	.7	.4	.3	.2	.2	.2	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	135	7
>13	.0	.0	.0	.4	.3	.1	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	8
INDET	2.8	1.2	1.5	1.4	.8	.3	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	520	3
TOTAL	400	1165	1879	1377	697	335	157	98	80	20	4	2	1	0	0	0	0	0	0	6215	4
PCT	6.4	18.7	30.2	22.1	11.2	5.4	2.5	1.6	1.3	.3	.1	*	*	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1880-1979

AREA 0002 SOUTHWEST BAJA
27.3N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
N	.3	.1	.4	.0	.0	.0	.0	.8	.4	.4	.2	.0	1.7		.0	96.5
NE	2.5	.1	1.5	.0	.0	.0	.0	3.8	2.0	1.6	.3	.0	1.0		.0	91.3
E	4.8	2.4	2.5	.0	.0	.0	.0	9.7	3.5	1.6	.5	.0	.0		.0	84.7
SE	2.9	1.5	1.6	.0	.0	.0	.0	6.0	4.2	2.2	.0	.0	.1		.0	87.5
S	.6	.4	.0	.0	.0	.0	.0	1.0	1.3	2.0	.0	.0	.4		.0	95.4
SW	1.0	.6	.5	.0	.0	.0	.0	2.2	.4	1.2	.0	.0	.6		.0	95.6
W	.3	.2	.4	.0	.0	.0	.0	.8	1.1	.5	.7	.0	2.4		.0	94.6
NW	.1	*	.1	.0	.0	.0	.0	.3	.3	.3	.5	.0	2.8		*	95.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.4	.0	.0	.0	.0	.0	.4	.0	1.5	.4	.0	2.9		.0	94.9
TOT PCT	.5	.2	.4	.0	.0	.0	.0	1.0	.7	.6	.4	.0	2.2		*	95.2
TOT OBS:	8096															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
00&03	.8	.3	.5	.0	.0	.0	.0	1.5	.7	.1	.4	.0	3.2		*	94.1
06&09	.4	.1	.2	.0	.0	.0	.0	.6	.6	1.4	.4	.0	1.8		.0	95.2
12&15	.5	.2	.6	.0	.0	.0	.0	1.2	.5	1.0	.4	.0	1.2		.1	95.8
18&21	.3	.2	.2	.0	.0	.0	.0	.8	.8	*	.4	.0	2.4		.0	95.5
TOT PCT	.5	.2	.4	.0	.0	.0	.0	1.0	.7	.6	.4	.0	2.2		*	95.1
TOT OBS:	8215															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.3	11.5	7.7	.3	*	.0		20.9	10.1	15.8	13.8	18.0	14.6	23.2	19.3	26.5	25.7
NE	.4	2.5	1.0	.1	.0	*		4.0	9.3	2.5	4.0	3.7	1.2	6.4	5.3	5.1	4.9
E	.3	1.9	.7	.2	.0	*		2.5	10.5	2.2	3.4	2.4	4.0	2.7	2.9	2.9	2.1
SE	.4	1.2	.8	.2	.0	.0		2.6	10.6	2.7	3.1	3.1	1.9	2.1	2.5	2.7	1.6
S	.4	1.1	.5	.1	*	.0		2.1	9.3	2.2	1.0	2.3	3.8	1.9	1.6	2.1	4.5
SW	.5	1.5	.3	*	*	.0		2.3	7.3	3.2	2.7	1.9	2.8	2.0	3.3	1.9	4.7
W	1.0	6.4	2.3	.1	*	.0		9.8	8.8	13.2	8.8	10.3	16.0	7.4	8.7	8.3	8.6
NW	2.4	26.7	22.7	.8	*	.0		52.2	10.8	56.5	58.9	53.5	53.8	52.8	55.6	48.2	47.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.4							3.4	.0	1.6	4.2	4.8	.9	5.4	.8	3.0	.7
TOT OBS	870	4515	3120	170	9	2	8695		9.9	2057	168	1827	106	1781	241	2372	143
TOT PCT	10.0	51.9	36.0	2.0	.1	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.4	13.5	2.0	*	*		20.9	10.1	15.7	17.8	22.7	26.5
NE	1.4	2.3	.3	*	*		4.0	9.3	2.6	3.6	4.5	5.1
E	.9	1.2	.3	.1	*		2.4	10.5	2.3	2.6	2.7	2.3
SE	.9	1.3	.5	*	.0		2.6	10.6	2.7	3.0	2.1	2.7
S	1.0	.9	.3	*	*		2.1	9.3	2.1	2.4	1.9	2.2
SW	1.2	1.0	.1	*	.0		2.3	7.3	3.2	2.0	2.2	2.0
W	3.9	5.2	.7	.1	.0		9.8	8.8	12.9	10.6	7.6	8.3
NW	11.2	35.2	5.6	.2	*		52.2	10.8	56.7	53.5	51.3	48.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.4						3.4	.0	1.8	4.6	4.8	2.9
TOT OBS	2591	5256	845	39	4	8695		9.9	2225	1933	2024	2513
TOT PCT	29.3	60.4	9.7	.4	*		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1880-1979

AREA 0002 SOUTHWEST BAJA
23.3N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00E03	1.8	5.1	48.3	42.0	2.6	.2	.0	10.8	100.0	2225
06E09	4.6	6.9	52.7	34.7	1.7	.1	.0	9.7	100.0	1939
12E15	4.8	6.1	55.5	31.6	1.9	*	.0	9.3	100.0	2024
18E21	2.9	8.9	51.6	35.2	1.7	.1	.1	9.7	100.0	2513
TOT	299	572	4514	3129	170	9	2	9.9		8695
PCT	3.4	6.6	51.9	36.0	2.0	.1	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	11.3	4.5	4.2	1.5		2.8
NE	1.7	.9	1.2	.5		3.6
E	.7	.9	.7	.5		4.9
SE	1.0	.9	.8	.6		4.2
S	.8	.5	.6	.2		3.7
SW	1.0	.5	.5	.2		3.3
W	5.0	2.0	2.0	.9		3.0
NW	30.5	9.8	8.5	2.4		2.4
VAR	.0	.0	.0	.0		.0
CALM	2.4	.6	.5	.2		2.1
TOT OBS	3700	1333	1280	482	6803	2.7
TOT PCT	54.5	19.6	18.8	7.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.2	.8	1.6	.8	.3	.1	.1	.1	17.5	
NE	*	*	*	.4	.4	.2	*	*	*	.1	2.8	
E	*	.1	*	.2	.4	.2	.1	.0	.0	*	1.5	
SE	*	*	*	.3	.4	*	*	*	*	.0	1.9	
S	*	*	*	.2	.1	.1	*	*	*	*	1.7	
SW	*	*	*	.1	.2	.1	*	*	*	.0	1.8	
W	.0	.0	.1	.4	.8	.3	.2	.1	*	.1	7.9	
NW	.1	.1	.2	1.4	2.9	1.4	.7	.2	.1	.1	44.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.1	*	.0	*	.0	7.3	
TOT OBS	19	16	40	265	470	227	96	34	17	24	5599	6803
TOT PCT	.3	.2	.6	3.9	6.9	3.3	1.4	.5	.2	.4	82.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	.5	.6	.6	.6	.6	.6	.6	.6
: OR >5000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
: OR >3500	2.2	2.4	2.5	2.5	2.5	2.5	2.5	2.5
: OR >2000	4.8	5.6	5.7	5.7	5.7	5.7	5.7	5.7
: OR >1000	10.7	12.4	12.6	12.6	12.6	12.7	12.7	12.7
: OR >600	13.8	16.1	16.5	16.5	16.5	16.5	16.5	16.5
: OR >300	14.2	16.6	17.0	17.0	17.0	17.1	17.1	17.1
: OR >150	14.4	16.8	17.3	17.3	17.3	17.3	17.3	17.3
: OR > 0	14.5	17.0	17.5	17.6	17.6	17.6	17.6	17.6
TOTAL	967	1169	1203	1207	1207	1209	1209	1209

TOTAL NUMBER OF OBS: 6874

PCT FREQ NH <5/8: 82.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
32.4	17.9	14.0	11.0	6.5	4.1	4.8	4.3	4.7	.1	7215

OCTOBER

PERIOD: (PRIMARY) 1954-1979 — AREA 0002 SOUTHWEST BAJA
(OVER-ALL) 1880-1979 — TABLE 8 — 23.3N 111.6W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	NO PCP	.0	.0	•	•	.0	.0	.0	.0	.0	.0	•	
	TOT %	.0	.0	•	•	.0	.0	.0	•	.0	.0	•	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	•	•	.0	.0	•	
	TOT %	.0	.0	.0	.0	.0	.0	•	•	.0	.0	•	
1<2	PCP	•	•	•	.0	.0	•	•	•	.0	.0	•	
	NO PCP	•	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	TOT %	•	•	•	.0	.0	•	•	•	.0	.0	.1	
2<5	PCP	.1	•	•	.0	.0	.0	.0	•	.0	.0	.1	
	NO PCP	.1	•	•	•	•	.0	.1	.3	.0	•	.6	
	TOT %	.1	.1	.1	•	•	.0	.1	.3	.0	•	.7	
5<10	PCP	•	.1	.1	.1	•	•	•	•	.0	•	.4	
	NO PCP	1.5	.4	.3	.2	.2	.1	.9	3.6	.0	.2	7.3	
	TOT %	1.5	.5	.4	.3	.2	.2	.9	3.6	.0	.2	7.7	
10+	PCP	.1	.1	.1	.1	•	.0	•	.1	.0	.0	.4	
	NO PCP	19.4	7.4	1.9	2.3	2.0	2.2	8.0	47.0	.0	3.1	91.0	
	TOT %	19.5	7.4	2.0	2.4	2.0	2.2	8.0	48.0	.0	3.1	91.4	
	TOT OBS												8068
	TOT PCT	21.1	8.0	2.4	2.7	2.2	2.4	9.0	52.0	.0	3.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	•	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	•	•	.0	.0	.0	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	•	•	.0	.0	.0	•	.0	•	•	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	•	•	.0		•	
	11-21	•	.0	.0	.0	.0	.0	.0	•	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	•	.0		•	
	TOT %	•	.0	.0	.0	.0	.0	•	•	.0	.0	•	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	•	
	4-10	•	•	.0	.0	.0	.0	.0	•	.0		.1	
	11-21	.0	.0	•	.0	.0	.0	.0	•	.0		•	
	22+	.0	.0	•	.0	.0	•	•	.0	.0		•	
	TOT %	•	•	•	.0	.0	•	•	.1	.0	•	.2	
2<5	0-3	•	•	.0	•	.0	.0	•	.1	.0	•	.1	
	4-10	.1	•	•	•	•	.0	.1	.2	.0		.5	
	11-21	.1	•	.1	•	•	•	•	.2	.0		.4	
	22+	•	.0	•	•	•	.0	•	•	.0		.1	
	TOT %	.2	.1	.1	•	•	•	.1	.5	.0	•	1.1	
5<10	0-3	•	•	•	•	•	•	.1	.1	.0	.2	.7	
	4-10	.8	.2	.1	.1	.1	.1	.5	1.4	.0		3.3	
	11-21	.6	.2	.1	.1	.1	•	.3	1.9	.0		3.3	
	22+	.1	•	.1	.1	•	•	•	.1	.0		.4	
	TOT %	1.5	.5	.4	.3	.2	.2	.9	3.6	.0	.2	7.6	
10+	0-3	1.2	.3	.3	.3	.4	.4	.8	2.3	.0	3.1	9.0	
	4-10	10.7	2.2	1.1	1.2	1.0	1.4	5.9	24.6	.0		48.0	
	11-21	7.1	.8	.5	.7	.4	.3	2.0	20.6	.0		32.4	
	22+	.3	.1	.1	.2	.1	•	.1	.7	.0		1.4	
	TOT %	19.3	3.3	1.9	2.3	1.9	2.2	8.8	48.2	.0	3.1	91.0	
	TOT OBS												8390
	TOT PCT	21.0	3.9	2.5	2.6	2.1	2.4	9.8	52.3	.0	3.4	100.0	

OCTOBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1880-1979

AREA 0002 SOUTHWEST BAJA
23.3N 111.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,AM >4/8) AND OCCURRENCE OF AM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	AM <5/8 ANY HGT	TOTAL OBS
00603	.2	.0	.5	3.0	5.3	3.0	1.3	.0	.2	.6	15.6	84.0	1877
06609	.3	.1	.6	3.3	6.2	2.7	1.2	.0	.2	.2	15.3	84.7	1625
12615	.0	.3	.0	0.3	8.8	3.8	1.5	.3	.1	.2	20.2	79.8	1565
18621	.2	.1	.6	0.0	6.8	2.8	1.0	.8	.0	.2	17.3	82.7	2059
TOT	19	16	60	266	476	225	97	34	17	24	1214	5012	7126
PCT	.3	.2	.8	3.7	6.7	3.2	1.4	.5	.2	.3	17.0	83.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.1	.1	1.0	7.1	91.3	2180
06609	.1	.0	.1	1.0	8.6	89.8	1923
12615	.2	.1	.3	.9	8.3	90.3	1979
18621	0	0	.2	.9	6.6	92.2	2437
TOT	5	4	14	47	648	7751	8519
PCT	.1	0	.2	1.1	7.6	91.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (AM) AND/OR CEILING HGT (FEET,AM >4/8),BY HOUR

HOUR (GMT)	<150 <4DYD	<600 <1	<1000 <5	1000+ AND5+	AM <5/8 AND 5+	TOTAL OBS
00603	.2	1.1	5.5	11.0	83.1	1804
06609	.3	1.1	5.0	11.0	83.5	1579
12615	.5	1.5	6.0	15.0	78.6	1497
18621	.3	1.1	5.8	12.0	81.0	1994
TOT	20	80	397	851	5626	6874
PCT	.3	1.2	5.8	12.0	81.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	0	.1	0	0	.0	.0	7	.1
90/94	.0	.0	0	.1	.1	.1	.0	0	26	.4
85/89	.0	.0	0	.3	1.0	1.5	.6	.1	241	3.5
80/84	.0	0	.1	.8	4.9	11.5	8.9	1.6	1943	27.9
75/79	.0	.0	.1	.9	4.7	16.3	19.6	5.2	2912	41.8
70/74	.0	.0	.1	.3	2.6	7.1	8.8	3.6	1558	22.4
65/69	.0	.0	.0	0	.2	.6	1.9	1.0	261	3.7
60/64	.0	.0	.0	.0	0	0	.1	.1	15	.2
TOTAL	0	1	21	169	906	2592	2428	806	6963	100.0
PCT	.0	0	.3	2.4	13.0	37.2	34.9	11.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
0	.0	.0	.0	0	.0	0	.2	.0	.0
.1	0	0	0	.0	0	0	.2	.0	0
.6	.3	0	.2	.2	.1	.0	1.5	.0	.1
5.0	1.1	1.3	1.7	1.1	1.1	3.1	12.1	.0	1.5
9.2	1.9	1.1	.6	.6	.7	0.2	22.1	.0	1.4
5.4	.7	.1	.3	.2	.3	1.5	13.3	.0	.5
1.1	.1	0	0	0	0	.2	2.1	.0	.1
0	0	.0	.0	.0	.0	.0	.2	.0	.0
21.5	4.2	2.4	2.8	2.2	2.3	9.0	51.6	.0	3.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	97	90	85	79	71	67	61	78.6	2226
06609	86	83	82	76	69	66	62	76.0	1948
12615	92	83	81	75	68	65	61	75.2	2038
18621	95	88	86	79	72	69	62	78.8	2532
TOT	97	88	84	77	70	66	61	77.3	8744

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	50-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	3.9	16.7	42.9	28.5	8.0	77	1831
06609	.0	1.2	6.9	32.7	43.2	16.0	81	1630
12615	.0	1.1	7.3	29.7	44.1	17.8	82	1615
18621	.0	4.3	21.0	42.1	26.2	6.4	75	1987
TOT	0	195	955	2634	2458	821	78	7063

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1880-1979

AREA C002 SOUTHWEST BAJA
23.3N 111.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N PCC	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
17/19	.0	.0	.0	.0	.0	*	.1	*	*	8	.0	.1
14/16	.0	.0	.0	*	.1	.0	*	*	.1	15	.0	.2
11/13	.0	.0	.0	*	.1	.1	.1	.1	.1	42	.0	.6
9/10	.0	.0	*	*	.1	.2	.2	.1	*	61	.0	.7
7/8	.0	.0	*	.2	.3	.4	.3	.1	*	106	*	1.4
6	.0	.0	.0	.2	.3	.7	.2	.1	.0	73	.0	1.0
5	.0	*	.1	.4	.5	.6	.4	.1	*	156	*	2.1
4	.0	*	.1	.4	.6	1.2	.3	*	.0	204	.0	2.7
3	.0	*	.2	.5	1.1	1.0	.3	*	.0	237	*	3.1
2	.0	.1	.3	.9	1.8	2.5	.5	*	.0	451	.0	6.0
1	.0	*	.4	1.1	2.1	2.1	.3	.0	.0	442	*	6.0
0	*	.1	.6	2.2	4.4	3.6	.3	.0	.0	851	.1	11.3
-1	*	.1	.8	2.5	3.9	2.1	.2	.0	.0	722	*	9.7
-2	*	.4	1.1	3.3	5.1	2.5	.1	.0	.0	935	.1	12.5
-3	.0	.3	1.1	2.8	3.9	1.4	.0	.0	.0	710	*	9.5
-4	.1	.2	1.2	3.5	3.9	1.0	.0	.0	.0	736	.1	9.9
-5	*	.2	1.4	3.1	2.7	.4	.0	.0	.0	595	*	8.0
-6	*	.1	1.0	2.3	1.6	.1	*	.0	.0	380	.0	5.1
-7/-8	*	.3	1.4	2.7	1.5	.1	*	.0	.0	467	*	6.0
-9/-10	*	.2	1.0	1.2	.3	.0	.0	.0	.0	207	*	2.8
-11/-13	.1	.1	.4	.3	*	*	.0	.0	.0	66	.0	.9
-14/-16	*	*	.1	.0	*	.0	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
-20/-22	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL	24		850		2567		240		15		30	7431
		157		2061		1506		91		7961		
PCT	.3	2.1	11.4	27.6	34.4	20.2	3.2	.5	.2	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.3	.1	.0	.0	.0	2.0
1-2	.3	6.8	1.8	.0	.0	.0	8.9
3-4	.1	3.3	3.1	.2	.0	.0	6.6
5-6	.0	.6	2.3	.1	.0	.0	3.0
7	.1	.1	.8	.1	*	.0	1.1
8-9	.0	*	.2	.0	.0	.0	.2
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	12.2	8.4	.8	*	.0	22.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	*	.0	.0	.0	.8
1-2	.1	1.1	.2	.0	.0	.0	1.4
3-4	*	.5	.5	.1	.0	.0	1.1
5-6	.0	.1	.2	*	.0	.0	.3
7	.0	.0	.0	*	.0	*	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.8	.9	.3	.0	*	2.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6
1-2	*	.6	.1	.0	.0	.0	.7
3-4	*	.3	.5	.0	.0	.0	.8
5-6	.0	.1	.1	.2	.0	.0	.4
7	.0	.0	*	.1	.0	.0	.2
8-9	.0	*	.0	.0	.0	*	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.4	.9	.3	.0	*	2.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	.1	.3	.1	.0	.0	.0	.5
3-4	.0	.3	.2	.0	.0	.0	.5
5-6	.0	.1	.4	*	.0	.0	.6
7	.0	.1	.2	*	.0	.0	.3
8-9	.0	.0	*	.1	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.1	1.0	.2	.0	.0	2.6

PERIOD: (OVER-ALL) 1963-1979 OCTOBER AREA 0002 SOUTHWEST BAJA
TABLE 18 (CONT) 23.3N 111.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6
1-2	*	.5	.1	.0	.0	.0	.6
3-4	.0	.4	.2	*	.0	.0	.6
5-6	.1	.1	.2	.0	.0	.0	.4
7	.0	*	*	.0	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.4	.5	.2	.0	.0	2.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.4	.0	.0	.0	.0	.9
1-2	.1	.7	.2	.0	.0	.0	1.0
3-4	.0	.4	.1	.0	.0	.0	.4
5-6	.0	*	*	*	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.5	.3	*	.0	.0	2.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.4	*	.0	.0	.0	1.7
1-2	.7	3.4	.5	.0	.0	.0	4.7
3-4	.0	1.4	.6	.0	.0	.0	1.9
5-6	.0	.1	.4	*	.0	.0	.5
7	.0	.1	.2	*	.0	.0	.3
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.4	1.7	.1	.0	.0	9.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	3.0	.2	.0	.0	.0	4.2	
1-2	.9	13.3	4.8	*	.0	.0	19.0	
3-4	.3	7.6	9.0	.3	.0	.0	17.3	
5-6	*	1.6	5.9	.2	.0	.0	7.7	
7	.0	.3	1.7	.1	*	.0	2.1	
8-9	.0	*	.2	*	.0	.0	.3	
10-11	.0	.0	*	.0	.0	.0	*	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	*	.0	.0	.0	*	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.2	26.0	21.9	.7	*	.0	50.8	95.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.6	7.9	.4	.0	.0	.0	15.9	
1-2	2.5	26.6	7.6	*	.0	.0	36.8	
3-4	.5	14.0	13.9	.5	.0	.0	28.9	
5-6	.2	2.7	9.4	.6	.0	.0	13.0	
7	.0	.6	3.0	.4	*	*	4.1	
8-9	.0	.1	.5	.1	.0	*	.8	
10-11	.0	.0	.1	.2	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.8	52.0	35.1	2.0	*	.1	100.0	2184

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.3	16.5	18.6	8.2	2.7	.6	.3	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3121	3
6-7	.1	2.3	8.1	8.0	3.3	1.0	.5	.2	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	1960	5
8-9	*	.8	2.5	3.4	2.2	.9	.6	.1	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	676	6
10-11	.0	.6	1.2	.9	.7	.4	.5	*	.1	*	.0	*	.0	*	.0	.0	.0	.0	.0	278	6
12-13	.0	.0	.4	.4	.4	.2	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	101	6
>13	.0	.0	.0	.2	.2	.1	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	7
INDET	3.0	1.4	1.7	1.1	.6	.1	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	493	2
TOTAL	397	1342	2010	1381	631	209	132	32	33	9	5	2	0	1	0	0	0	0	0	6184	4
PCT	6.4	21.7	32.5	22.3	10.2	3.4	2.1	.5	.5	.1	.1	*	.0	*	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY DUST SNOW	NO SIG WEA
N	.3	.1	.1	.0	.0	.0	.0	.5	.4	.1	.2	.0	.4	*		98.4
NE	.2	.3	.2	.0	.0	.0	.0	.7	.8	.2	.5	.0	1.1	.0		96.8
E	.5	.5	.5	.0	.0	.0	.0	1.0	.5	.4	.7	.0	.4	.0		97.0
SE	.9	.9	.9	.0	.0	.0	.0	2.7	.2	.0	.0	.0	1.8	.9		94.3
S	.0	.0	1.2	.0	.0	.0	.0	1.2	.9	.0	.0	.0	.0	.9		96.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.5	.0	.8	.2		95.6
W	.2	.2	.0	.0	.0	.0	.0	.4	.4	.1	.6	.0	.5	.0		98.1
NW	.1	*	.1	.0	.0	.0	.0	.2	.1	.1	.4	*	1.1	.0		98.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.3	.0	.0	.0	.0	.0	.0	.3	.0	.3	.3	.0	2.0	.0		97.1
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.4	.3	.1	.4	*	.8	*		97.9
TOT OBS:	7424															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY DUST SNOW	NO SIG WEA
00E03	.1	.3	.2	.0	.0	.0	.0	.5	.3	.1	.5	.0	1.0	.1		97.7
06E09	.4	.2	.1	.0	.0	.0	.0	.6	.4	.2	.3	.0	.8	.1		97.7
12E15	.2	.1	.1	.0	.0	.0	.0	.4	.1	.3	.6	.1	.6	.0		97.9
18E21	.1	*	.1	.0	.0	.0	.0	.3	.4	.0	.5	.0	1.0	*		97.8
TOT PCT	.2	.1	.1	.0	.0	.0	.0	.5	.3	.1	.5	*	.9	*		97.8
TOT OBS:	7534															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	16.8	10.0	.4	*	.0		29.1	9.9	22.8	21.9	28.0	38.5	31.4	27.6	34.6	29.9
NE	1.0	5.6	2.0	.2	*	.0		8.9	9.0	5.5	8.4	7.5	7.8	9.2	13.0	12.2	9.3
E	.6	1.6	.5	*	.0	.0		2.7	7.7	2.1	2.5	2.2	.0	3.2	3.0	3.3	4.2
SE	.4	.9	.2	*	.0	.0		1.5	6.4	1.4	.6	2.0	.0	1.1	.9	1.6	2.2
S	.3	.6	.2	*	.0	.0		1.1	6.5	1.2	.0	1.3	3.0	.6	1.6	1.2	.7
SW	.4	1.0	.2	*	.0	.0		1.7	6.4	2.5	1.9	1.2	2.5	1.6	4.1	1.1	2.0
W	1.1	5.0	1.3	*	.0	.0		7.6	7.5	12.3	7.0	8.0	19.3	4.9	7.5	5.1	5.8
NW	2.8	23.7	15.9	.6	*	.0		43.0	10.0	49.7	50.0	44.3	43.0	43.2	38.6	36.1	43.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.6							4.6	.0	2.7	7.5	5.4	6.0	5.4	3.7	4.9	2.2
TOT OBS	1053	4470	2466	106	6	0	8095		9.0	1922	160	1693	100	1614	218	2251	137
TOT PCT	13.0	55.2	30.4	1.3	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	8.2	18.4	2.4	*	*		29.1	9.9	22.7	27.4	31.0	34.3
NE	3.4	4.7	.7	.1	.0		8.9	9.0	5.7	7.6	9.4	12.0
E	1.4	1.2	.1	*	.0		2.7	7.7	2.1	2.1	3.1	3.3
SE	.9	.6	*	*	.0		1.5	6.4	1.3	1.9	1.0	1.6
S	.7	.9	*	.0	.0		1.1	6.5	1.1	1.4	.7	1.1
SW	1.1	.5	*	.0	.0		1.7	6.4	2.4	1.3	1.9	1.2
W	3.6	3.8	.2	.0	.0		7.6	7.5	11.9	8.6	4.7	5.1
NW	11.8	27.6	3.6	.1	*		43.0	10.0	49.7	44.2	42.7	36.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.6						4.6	.0	1.0	5.5	5.2	4.6
TOT OBS	2874	4620	571	18	2	8095		9.0	2082	1793	1832	2388
TOT PCT	35.6	57.1	7.1	.2	*		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	3.0	7.4	55.5	32.6	1.4	.0	.0	9.4	100.0	2082
06&09	5.5	7.4	54.9	30.8	1.4	.1	.0	9.1	100.0	1793
12&15	5.2	8.4	56.3	29.2	.9	.1	.0	8.8	100.0	1832
18&21	4.8	10.2	54.4	29.0	1.5	.2	.0	8.8	100.0	2388
TOT	370	683	4470	2460	106	6	0	9.0		8095
PCT	4.6	8.4	55.2	30.4	1.3	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	15.4	5.5	6.9	2.1		3.0
NE	4.3	1.6	1.9	.5		2.9
E	1.1	.6	.7	.3		3.3
SE	.8	.2	.4	.2		3.1
S	.5	.2	.3	.1		3.4
SW	.8	.3	.4	.1		3.3
W	4.0	1.2	1.8	.4		2.8
NW	24.5	7.4	9.1	2.5		2.7
VAR	.0	.0	.0	.0		.0
CALM	2.3	.7	.9	.3		2.7
TOT OBS	3306	1089	1378	399	6172	2.8
TOT PCT	53.6	17.6	22.3	6.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.1	*	.1	.9	1.9	1.2	.6	.1	.1	.2	24.7	
NE	*	.0	*	.2	.5	.3	.1	*	*	*	7.0	
E	*	.0	*	.1	.1	.1	.1	*	*	.0	.0	2.2
SE	*	.0	*	.1	.1	.1	.1	*	.0	.0	.0	1.2
S	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	*	.9
SW	*	.0	*	*	.1	.1	.1	.0	.0	.0	*	1.1
W	.1	.0	*	.2	.5	.4	*	.1	.0	.0	.1	6.1
NW	.1	*	.1	.9	2.5	1.6	.7	.2	.1	.2	37.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	*	*	*	*	.2	.2	.1	.1	*	*	3.5	
TOT OBS	22	4	20	157	372	246	99	30	19	31	5170	6172
TOT PCT	.4	.1	.3	2.5	6.0	4.0	1.6	.5	.3	.5	83.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
= OR >5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
= OR >2000	6.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0
= OR >1000	12.1	12.9	13.0	13.0	13.0	13.0	13.0	13.0
= OR >600	14.4	15.4	15.5	15.5	15.5	15.5	15.6	15.6
= OR >300	14.6	15.7	15.9	15.9	15.9	15.9	15.9	15.9
= OR >150	14.7	15.7	15.9	15.9	15.9	15.9	15.9	15.9
= OR > 0	15.0	16.1	16.3	16.3	16.3	16.3	16.3	16.3
TOTAL	930	999	1012	1012	1012	1012	1013	1013

TOTAL NUMBER OF OBS: 6214

PCT FREQ NM <5/8: 83.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
37.0	17.2	13.9	9.3	6.2	4.2	4.4	4.0	3.5 .2	6476

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

AREA 0002 SOUTHWEST BAJA
23.6N 111.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	*	.0	.0	.0	.0	.0	*	.0	*	*	
	TOT %	.0	*	.0	.0	.0	.0	.0	*	.0	*	*	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
2<5	PCP	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.1	*	.0	.0	.0	*	.0	.1	.0	.0	.2	
	TOT %	.1	*	*	*	.0	*	.0	.1	.0	.0	.3	
5<10	PCP	.0	*	*	*	.0	.0	.0	*	.0	*	.1	
	NO PCP	1.4	.5	.2	.1	*	.1	.3	2.3	.0	.3	5.3	
	TOT %	1.4	.5	.2	.1	*	.1	.3	2.3	.0	.3	5.4	
10+	PCP	.2	*	.0	.0	*	.0	*	.1	.0	.0	.3	
	NO PCP	27.6	7.5	2.4	1.3	1.0	1.5	7.2	41.3	.0	3.8	94.0	
	TOT %	27.7	7.9	2.6	1.3	1.1	1.5	7.2	41.4	.0	3.8	94.3	
	TOT OBS												7306
	TOT PCT	29.2	8.5	2.7	1.5	1.1	1.6	7.5	43.8	.0	4.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	*	*	.0	.0	.0	.0	.0	*	.0		*	
	11-21	*	*	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	.0	.0	.0	*	.0	*	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	.0	.0	*	.0	.0	*	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	TOT %	.0	*	*	.0	.0	*	.0	*	.0	.0	.1	
2<5	0-3	.0	.0	*	*	*	*	.0	.0	.0	*	.1	
	4-10	.1	.1	*	.0	.0	.0	*	.1	.0		.3	
	11-21	.1	.0	*	*	.0	.0	.0	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.1	*	*	*	*	*	.2	.0	*	.5	
5<10	0-3	*	.1	.1	.0	.0	.1	*	.3	.0	.3	.9	
	4-10	.8	.3	.1	.1	*	.1	.2	1.1	.0		2.7	
	11-21	.5	.1	.1	*	*	*	.1	.7	.0		1.5	
	22+	*	.1	*	*	.0	.0	.0	.0	.0		.1	
	TOT %	1.4	.5	.2	.1	*	.1	.3	2.2	.0	.3	5.2	
10+	0-3	1.7	.8	.4	.4	.3	.4	1.1	2.4	.0	0.1	11.5	
	4-10	15.8	5.0	1.5	.8	.6	1.0	4.9	22.5	.8		52.8	
	11-21	9.6	2.0	.4	.1	.1	.2	1.3	15.5	.0		29.3	
	22+	.4	.2	*	.0	*	*	*	.6	.0		1.3	
	TOT %	27.6	8.0	2.4	1.3	1.0	1.5	7.3	41.0	.0	0.1	94.1	
	TOT OBS												7735
	TOT PCT	29.2	8.6	2.7	1.4	1.1	1.7	7.6	43.4	.0	4.4	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1861-1979

AREA 0002 SOUTHWEST U.S.A
23.0N 111.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM /W/O) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999				
00E03	.2	.0	.4	2.3	5.2	3.9	1.8	.6	.4	1.0	15.7	84.3	1707
06E09	.4	.0	.3	2.2	5.4	3.7	1.2	.5	.3	.3	14.5	85.5	1975
12E15	.4	.2	.2	2.7	6.5	3.7	1.5	.1	.4	.3	16.0	84.0	1363
18E21	.4	.1	.3	2.7	6.2	4.1	1.6	.6	.3	.4	16.8	83.2	1889
TOT	22	4	20	160	375	250	100	40	21	24	1017	5017	6934
PCT	.3	.1	.3	2.5	5.8	3.9	1.6	.4	.3	.3	15.8	84.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NMI) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.0	.1	.3	4.0	94.5	2030
06E09	.0	.0	.1	.8	5.4	93.7	1771
12E15	.0	.0	.2	.8	6.9	92.5	1799
18E21	.1	.0	*	.3	4.9	94.7	2250
TOT	7	0	7	43	420	7360	7944
PCT	.1	.0	.1	.5	5.4	93.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NMI AND/OR CEILING HGT (FEET,MM /W/O),BY HOUR

HOUR (GMT)	<150 <OVC	<600 <1	<1000 <2	1000+ AND/O	MM <5/8 ANY	TOTAL OBS
00E03	.9	4.7	9.9	15.0	84.7	1650
06E09	.4	2.0	5.8	11.0	84.4	1404
12E15	.4	2.0	6.0	12.7	83.3	1320
18E21	.4	.4	4.4	13.6	82.6	1834
TOT	29	96	270	709	5109	6214
PCT	.4	1.4	3.7	12.9	83.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	*	*	*	*	.0	.0	.0	1	.1
85/89	.0	*	*	.1	.1	.2	.1	*	56	.9
80/84	.0	.0	.1	.7	2.9	3.3	.8	.1	494	8.0
75/79	.0	*	.2	2.7	6.9	17.1	8.1	2.3	2292	36.9
70/74	.0	*	.1	2.2	10.1	14.0	11.1	3.7	2603	41.9
65/69	.0	.0	.1	.6	1.9	2.6	3.7	1.2	692	11.1
60/64	.0	.0	.0	*	.3	.3	.1	.1	68	1.1
55/59	.0	.0	.0	.0	.0	*	.0	.0	1	*
TOTAL	0	4	55	174	1392	2612	1500	472	6212	100.0
PCT	.0	.1	.9	2.8	22.4	38.0	24.1	7.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.1	*	.0	.0	.0	.0	.0	*	.0	.0
85/89	.4	.1	*	*	*	*	.1	.5	.0	*
80/84	1.9	.8	.3	.3	.1	.2	.0	3.2	.0	.1
75/79	9.8	3.3	1.2	.7	.5	.7	3.1	15.7	.0	1.9
70/74	13.4	3.3	1.0	.5	.4	.5	2.7	18.5	.0	1.7
65/69	4.0	1.0	.2	.1	*	.1	.4	5.0	.0	.2
60/64	.4	*	*	*	*	.0	*	.5	.0	*
55/59	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
29.9	8.5	2.7	1.5	1.1	1.5	7.1	43.5	.0	4.2	

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	97	86	82	75	60	54	40	75.5	7082
06E09	91	80	76	72	67	64	61	73.1	1804
12E15	97	80	76	72	66	64	60	72.2	1855
18E21	92	85	87	74	68	64	59	75.4	2368
TOT	97	84	81	74	67	64	59	74.2	8113

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	50-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	9.3	28.0	42.1	17.0	5.6	73	1629
06E09	.0	4.7	14.4	37.8	36.7	8.9	77	1857
12E15	.0	3.2	14.0	37.3	34.5	10.9	78	1810
18E21	.0	4.6	30.2	38.1	17.2	9.9	72	1793
TOT	0	4.9	14.9	2449	1522	477	75	6249

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1963-1979

AREA CODE SOUTHWEST BAJA
23.0N 111.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
20/22	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	1	.0	*
17/19	.0	.0	.0	.0	.0	*	.0	*	*	.0	4	.0	.1
14/16	.0	.0	.0	.0	*	.1	*	*	*	*	12	.0	.2
11/13	.0	.0	.0	*	*	.1	.1	.1	.1	*	30	.0	.4
9/10	.0	.0	.0	*	.1	.2	.1	.1	.0	.0	34	.0	.5
7/8	.0	.0	*	.1	.4	.4	.3	.1	*	.0	85	*	1.2
6	.0	.0	*	.1	.2	.1	.2	.1	.0	.0	58	.0	.9
5	.0	.0	*	.2	.5	.6	.4	.1	.0	.0	128	.1	1.8
4	.0	*	*	.3	.7	1.0	.6	.1	.0	.0	182	*	2.6
3	.0	.0	.0	.4	.9	1.0	.3	*	.0	.0	181	.1	2.6
2	.0	*	.1	1.0	1.5	1.6	.4	.1	.0	.0	337	.1	4.9
1	.0	.0	.1	.7	1.9	1.8	.5	*	.0	.0	361	*	5.0
0	.0	.1	.4	1.5	3.2	3.3	.7	.0	.0	.0	625	.1	9.1
-1	.0	*	.3	1.4	3.6	2.8	.4	*	.0	.0	576	*	8.4
-2	.0	.1	.7	2.4	5.2	3.3	.4	.0	.0	.0	821	.0	12.0
-3	.0	.1	.7	2.6	4.4	1.8	.1	.0	.0	.0	665	*	9.7
-4	*	.1	1.0	3.2	4.9	2.1	.1	.0	.0	.0	779	*	11.4
-5	.0	.2	.7	3.4	3.8	1.3	*	.0	.0	.0	643	.0	9.4
-6	.0	.1	.7	2.9	2.3	.4	.0	.0	.0	.0	438	*	6.4
-7/-8	.0	.1	1.4	3.6	2.5	.3	.0	.0	.0	.0	538	*	7.9
-9/-10	.0	.1	.9	1.6	.9	.0	.0	.0	.0	.0	247	.0	3.5
-11/-13	*	.1	.4	.5	.1	*	.0	.0	.0	.0	82	.0	1.2
-14/-16	*	.1	.1	.1	*	.0	.0	.0	.0	.0	16	.0	.2
-17/-19	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	5	76	516	1775	2536	1572	316	59	9	2	6816	30	6780
PCT	.1	1.1	7.6	26.0	37.2	22.3	4.6	.9	.1	*	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-5	6-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.2	.1	.0	.0	.0	2.9	.4	.8	.0	.0	.0	.0	1.2
1-2	.2	9.6	9.2	.0	.0	.0	12.9	.1	2.1	.6	.0	.0	.0	3.2
3-4	.2	4.9	4.7	.1	.0	.0	9.8	.2	1.4	1.0	.0	.0	.0	2.6
5-6	.0	.8	3.5	.1	.0	.0	4.5	.0	.2	.7	.1	.0	.0	.9
7	.0	.1	.8	.2	.0	.0	1.0	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.1	.2	*	.0	.0	.3	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	.1	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	17.9	17.9	.4	.0	.0	31.9	.8	4.7	2.6	.3	.0	.0	8.4

E

HGT	1-5	6-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.9	.1	.0	.0	.0	.7	.1	.4	.0	.0	.0	.0	.5
1-2	.1	.7	.4	.0	.0	.0	1.1	.1	.4	.1	.0	.0	.0	.6
3-4	.0	.5	.1	.0	.0	.0	.6	.0	.1	.1	.0	.0	.0	.1
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.2	.1	.0	.0	.0	.3
7	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.6	.8	.1	.0	.0	3.0	.2	1.1	.4	.0	.0	.0	1.8

NOVEMBER

PERIOD: (OVER-ALL) 1963-1979

TABLE 18 (CONT)

AREA 0002 SOUTHWEST BAJA 23.4N 111.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.2
1-2	•	.4	•	.0	.0	.0	.5
3-4	.0	.1	•	.0	.0	.0	.1
5-6	.0	•	.0	.0	.0	.0	•
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.6	.1	.0	.0	.0	1.0

5b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	•	.6	.1	.0	.0	.0	.7
3-4	.0	.1	.1	.0	.0	.0	.1
5-6	.0	.1	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.9	.2	.0	.0	.0	1.4

6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.9	.1	.0	.0	.0	1.4
1-2	.4	2.3	.3	.0	.0	.0	3.0
3-4	.1	1.0	.5	.0	.0	.0	1.6
5-6	.1	.2	.2	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	•	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	4.5	1.1	•	.0	.0	6.6

6b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	2.7	.2	.0	.0	.0	3.8	
1-2	.9	11.0	3.8	.0	.0	.0	15.7	
3-4	.1	7.3	8.3	.2	.0	.0	15.9	
5-6	.0	1.1	4.7	.1	.0	.0	5.9	
7	.0	.2	.9	.2	.0	.0	1.4	
8-9	.0	•	.3	.1	.0	.0	.4	
10-11	.0	.0	•	.1	.0	.0	.1	
12	.0	.0	.1	•	.0	.0	.2	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	22.6	18.3	.6	.0	.0	93.5	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.1	7.7	.4	.0	.0	.0	14.2	
1-2	2.1	27.4	8.4	.0	.0	.0	38.0	
3-4	.6	15.3	14.8	.3	.0	.0	30.9	
5-6	.1	2.6	9.3	.3	.0	.0	12.3	
7	.0	.3	2.0	.5	.0	.0	2.9	
8-9	.0	.1	.5	.2	.0	.0	.8	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.1	.1	.0	.0	.3	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-27	.0	.0	.0	.0	.0	.0	.0	
23-29	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-49	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.0	53.9	35.7	1.0	.0	.0	1000.0	1064

PERIOD: (OVER-ALL) 1963-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	6.3	19.7	19.6	7.5	2.0	.7	.2	.1	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	2964	3
6-7	.2	2.6	7.6	7.1	2.8	1.1	.5	.1	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	1195	4
8-9	.1	.8	3.0	2.8	1.4	.9	.2	.2	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	522	4
10-11	.0	.9	1.1	.9	.4	.2	.2	•	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	211	5
12-13	.0	.0	.4	.5	.3	.2	.2	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	89	6
>13	.0	.0	.0	.5	.2	.1	•	.0	•	•	.1	.0	.0	.0	.0	.0	.0	.0	.0	92	7
UNDET	6.2	1.4	1.3	.9	.3	.1	.1	•	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	455	2
TOTAL	980	1306	1796	1107	390	191	77	30	16	10	0	0	0	0	0	0	0	0	0	5906	4
PCT	8.7	25.2	32.7	20.2	7.1	3.3	1.4	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1860-1979

AREA 0002 SOUTHWEST BAJA
23.3N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.3	.2	.3	.0	.0	.0	.0	.7	.4	.0	.1	.0	.5	.0		98.2
NE	1.4	.3	1.0	.0	.0	.0	.0	2.6	1.1	.2	.1	.0	.3	*		95.6
E	5.0	.8	1.6	.0	.0	.0	.0	7.0	1.5	1.1	.3	.0	.2	.2		89.7
SE	3.1	3.6	1.8	.0	.0	.0	.0	8.5	5.2	.1	.0	.0	.7	.0		85.5
S	4.4	4.2	.9	.0	.0	.0	.0	9.6	2.2	.0	.0	.0	4.0	.0		84.2
SW	.0	.8	1.3	.0	.0	.0	.0	2.1	1.0	.6	.0	.0	1.1	.0		93.2
W	.8	.2	.2	.0	.0	.0	.0	1.3	1.3	.6	.0	.0	1.1	.0		95.8
NW	.4	.1	.2	.0	.0	.0	.0	.7	.5	.1	.3	.0	.5	.0		98.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.6	.0	.0	.0	.0	.0	1.2	.6	.0	.6	.0	3.7	.0		93.8
TOT PCT	.9	.4	.5	.0	.0	.0	.0	1.7	.8	.2	.2	.0	.7	*		96.3
TOT OBS:	6595															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
0003	1.0	.4	.5	.0	.0	.0	.0	1.9	.7	.1	.2	.0	.9	.0		96.2
0609	.7	.4	.3	.0	.0	.0	.0	1.3	1.0	.3	.0	.0	.5	.0		96.8
1215	.9	.3	.9	.0	.0	.0	.0	2.0	.7	.3	.3	.0	.7	.0		96.1
1821	.9	.6	.4	.0	.0	.0	.0	1.7	.9	.1	.3	.0	.8	.1		96.3
TOT PCT	.9	.4	.5	.0	.0	.0	.0	1.7	.8	.2	.2	.0	.7	*		96.3
TOT OBS:	6734															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.6	18.0	10.3	.5	.1	.0		31.6	9.8	25.0	24.7	30.1	25.8	35.1	29.6	36.1	31.0
NE	1.2	7.5	4.0	.2	*	.0		12.9	9.5	9.1	10.2	10.8	9.8	12.5	17.0	18.0	15.5
E	.6	3.5	1.1	*	*	.0		5.3	8.9	4.3	2.0	5.7	5.1	9.5	5.4	6.7	4.5
SE	.9	1.6	.9	.1	.0	.0		2.5	7.8	2.9	1.6	2.6	5.1	2.0	3.7	2.8	3.5
S	.9	1.1	.2	*	.0	.0		1.7	7.1	1.8	3.3	1.7	1.1	1.7	1.3	1.5	1.5
SW	.3	1.4	.3	*	.0	.0		2.3	7.5	3.9	3.3	2.2	1.1	1.8	1.3	2.5	3.0
W	.8	4.9	1.1	*	.0	.0		6.2	7.9	10.2	4.9	6.0	11.0	4.2	4.2	4.6	3.3
NW	2.4	18.9	10.9	.5	*	.0		32.6	9.8	39.0	44.7	34.8	41.6	32.5	33.7	24.4	36.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.0							5.0	.0	4.8	5.7	4.8	4.5	5.7	3.8	4.0	1.0
TOT OBS	986	4047	2037	107	11	0	7188		8.9	1722	122	1536	89	1007	156	2016	100
TOT PCT	13.7	56.3	28.3	1.5	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	9.9	18.6	2.8	.1	.0		31.6	9.8	25.0	29.8	34.6	35.8
NE	4.3	7.3	1.2	.1	.0		12.9	9.5	9.2	10.5	12.9	17.9
E	2.3	2.8	.2	.1	.0		5.3	8.9	4.2	5.7	6.6	6.6
SE	1.2	1.1	.1	*	.0		2.5	7.8	2.3	2.8	2.2	2.8
S	1.0	.6	.1	*	.0		1.7	7.1	1.4	1.7	1.7	1.5
SW	1.3	1.0	.1	.0	.0		2.3	7.5	3.4	2.2	1.7	2.1
W	3.0	2.8	.3	*	.0		6.2	7.9	9.8	6.2	4.2	4.5
NW	9.3	20.5	2.6	.1	.0		32.6	9.8	39.4	34.8	32.6	29.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.0						5.0	.0	4.8	6.3	5.6	3.8
TOT OBS	2694	1938	534	32	0	7188		8.9	1844	1825	1603	2116
TOT PCT	37.5	46.8	7.4	.4	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1880-1979

AREA 0002 SOUTHWEST BAJA
23.3N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.8	9.7	55.4	28.4	1.6	.2	.0	8.9	100.0	1844
06&09	6.3	8.1	56.1	28.0	1.4	.1	.0	8.8	100.0	1625
12&15	5.6	7.2	58.1	28.1	.9	.1	.0	8.8	100.0	1603
18&21	3.8	9.4	56.0	28.7	1.9	.1	.0	9.1	100.0	2116
TOT	362	624	4047	2037	107	11	0	8.9		7188
PCT	5.0	8.7	56.3	28.3	1.5	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	15.7	4.6	7.5	3.5		3.2
NE	5.6	2.0	3.2	2.2		3.7
E	1.8	.8	1.7	1.1		4.3
SE	.7	.5	.7	.6		4.6
S	.5	.3	.4	.4		4.4
SW	.8	.4	.9	.3		4.0
W	2.6	1.2	1.9	.8		3.6
NW	15.9	5.7	7.9	3.2		3.1
VAR	.0	.0	.0	.0		.0
CALM	2.6	.5	1.1	.8		3.1
TOT OBS	2534	867	1374	707	5483	3.4
TOT PCT	46.2	15.8	25.1	12.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	*	.1	1.3	2.3	1.1	.7	.2	.3	.2	24.9	
NE	.1	*	.1	.7	1.1	.8	.2	.1	.1	*	9.7	
E	*	*	.1	.5	.5	.4	.2	.1	*	.1	3.5	
SE	*	.0	*	.2	.3	.1	.1	*	.0	*	1.6	
S	*	.0	.0	.1	.2	.2	*	*	.0	.0	1.1	
SW	.0	.0	*	.1	.3	.2	.1	*	*	*	1.0	
W	*	.0	.1	.3	.7	.4	.1	.1	*	*	4.7	
NW	.1	.1	.2	1.2	2.7	1.7	.7	.2	.1	.2	25.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	*	.2	.4	.2	.2	*	*	*	3.8	
TOT OBS	21	10	32	253	462	275	132	37	28	29	4204	5483
TOT PCT	.4	.2	.6	4.6	8.4	5.0	2.4	.7	.5	.5	76.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SOYD	: OR >0
: OR >6500	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
: OR >5000	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
: OR >3500	3.9	4.1	4.2	4.2	4.2	4.2	4.2	4.2
: OR >2000	8.5	9.1	9.1	9.1	9.1	9.1	9.1	9.1
: OR >1000	16.3	17.4	17.5	17.5	17.5	17.5	17.5	17.5
: OR >600	20.1	21.9	22.1	22.1	22.1	22.1	22.1	22.1
: OR >300	20.6	22.4	22.7	22.7	22.7	22.7	22.7	22.7
: OR >150	20.7	22.6	22.8	22.8	22.9	22.9	22.9	22.9
: OR > 0	21.0	22.9	23.2	23.2	23.2	23.2	23.2	23.3
TOTAL	1170	1277	1293	1294	1295	1296	1297	1298

TOTAL NUMBER OF OBS: 5580

PCT FREQ HH <5/8: 76.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
33.5	15.0	12.1	8.5	7.1	5.4	5.5	5.5	7.1	.3	5838

DECEMBER

PERIOD: (PRIMARY) 1954-1979
(OVER-ALL) 1860-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	.0	*	.0	.0	.0	*	.0	.0	.1	
	TOT %	*	*	.0	.1	*	.0	.0	*	.0	.0	.1	
1/2<1	PCP	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
1<2	PCP	.0	*	*	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	TOT %	.0	*	*	.0	.0	.0	.0	*	.0	*	.1	
2<5	PCP	*	*	*	*	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.1	.1	*	*	*	*	.1	.1	.0	.0	.3	
	TOT %	.1	.1	.1	.1	*	*	.1	.1	.0	.0	.4	
5<10	PCP	*	.1	.2	*	*	*	.1	.0	.0	*	.6	
	NO PCP	1.2	.6	.4	.2	.1	.1	.3	1.2	.0	.3	4.5	
	TOT %	1.2	.7	.6	.3	.1	.1	.4	1.3	.0	.3	5.0	
10+	PCP	.2	.2	.1	.1	.1	*	*	.1	.0	*	.9	
	NO PCP	29.8	11.6	4.5	2.1	1.4	2.2	5.9	31.1	.0	4.5	93.4	
	TOT %	29.9	12.1	4.6	2.2	1.5	2.2	6.0	31.2	.0	4.6	94.3	
	TOT OBS												6577
	TOT PCT	31.3	12.6	5.3	2.6	1.7	2.4	6.4	32.6	.0	4.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	.0	.0	*	.0	.0	.0	.0	.0	*	*	
	4-10	.0	*	.0	*	*	.0	.0	*	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	.0	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.1	*	.0	.0	.1	.0	*	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	4-10	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	*	.0	.0	.0	.0	*	.0	*	.1	
2<5	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	.1	.1	*	.1	*	.0	*	*	.0		.3	
	11-21	.1	*	*	*	.0	*	*	*	.0		.2	
	22+	*	.0	*	*	.0	.0	.0	*	.0		.1	
	TOT %	.2	.1	.1	.1	*	*	.1	.1	.0	.0	.6	
5<10	0-3	.1	.1	.1	*	*	*	.1	.1	.0	.3	.8	
	4-10	.6	.4	.3	.2	.1	.1	.2	.5	.0		2.4	
	11-21	.4	.2	.2	*	*	*	.1	.5	.0		1.4	
	22+	*	*	*	*	.0	.0	*	.1	.0		.2	
	TOT %	1.2	.7	.6	.3	.1	.2	.3	1.2	.0	.3	4.9	
10+	0-3	2.4	1.0	.5	.4	.4	.3	.7	2.2	.0	4.6	12.5	
	4-10	17.0	6.8	3.1	1.4	1.0	1.6	4.1	18.2	.0		53.3	
	11-21	9.9	3.8	.9	.4	.2	.3	1.0	10.6	.0		27.1	
	22+	.6	.2	*	*	*	*	*	.4	.0		1.4	
	TOT %	29.9	11.9	4.6	2.2	1.6	2.2	5.9	31.5	.0	4.6	94.2	
	TOT OBS												6900
	TOT PCT	31.3	12.7	5.2	2.6	1.7	2.4	6.3	32.8	.0	4.9	100.0	

DECEMBER

PERIOD: (PRIMARY) 1956-1979
(OVER-ALL) 1860-1979

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23.3N 111.6W

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >0/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6999	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.2	.1	.7	4.6	7.8	4.6	2.9	.8	.5	.5	22.9	77.1	1536
06E09	.2	.3	.6	3.6	6.6	4.3	1.5	.3	.5	.8	18.9	81.1	1320
12E15	.8	.1	.8	4.4	9.3	5.2	1.5	.6	.6	.4	23.2	76.8	1195
18E21	.4	.2	.5	5.1	8.8	5.2	3.1	.4	.5	.5	25.0	75.0	1700
TOT	21	10	33	298	476	278	135	34	29	30	1303	4448	5751
PCT	.4	.2	.6	4.5	8.2	4.8	2.3	.7	.5	.5	22.7	77.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.2	.1	.1	.8	3.8	95.0	1814
06E09	.1	.1	.0	.7	5.6	93.6	1630
12E15	.3	.0	.1	.3	6.7	92.6	1572
18E21	.3	*	*	.5	4.0	95.1	2025
TOT	15	6	5	41	366	6630	7061
PCT	.2	.1	.1	.6	4.9	94.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ &NDS+	MM <5/8 AND 5+	TOTAL OBS
00E01	.3	1.3	6.1	17.4	76.3	1496
06E09	.2	1.3	5.2	18.6	80.2	1271
12E15	.8	1.3	6.0	18.0	76.0	1150
18E21	.4	1.1	6.8	19.0	74.3	1655
TOT	23	69	339	971	4270	5580
PCT	.4	1.2	6.1	17.4	76.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	*	*	.1	*	*	*	.0	10	.2
80/84	*	.1	*	.4	.6	.8	.3	*	99	1.8
75/79	.0	*	.3	1.6	3.3	5.3	1.9	.6	733	13.2
70/74	.0	.0	.5	3.9	13.2	15.6	10.7	5.5	2610	47.0
65/69	.0	*	.7	2.8	7.4	10.1	8.7	3.8	1795	32.3
60/64	.0	.0	.1	.5	1.4	1.6	1.2	.6	297	5.3
55/59	.0	.0	.0	.1	.1	.0	*	.0	12	.2
50/54	.0	.0	.0	.0	.0	*	.0	.0	1	*
TOTAL	1	7	74	511	1446	1847	1247	628	5557	100.0
PCT	*	.1	1.3	9.2	26.0	33.2	22.4	7.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.1	*	*	.0	.0	.0	.0	*	.0	*
80/84	.5	.2	.2	.1	*	*	.1	.5	.0	.1
75/79	3.5	1.8	1.0	.4	.3	.5	.9	3.8	.0	.9
70/74	14.5	6.1	2.7	1.2	.8	1.2	3.1	14.6	.0	2.4
65/69	11.2	4.0	1.1	.4	.4	.7	1.8	11.3	.0	1.5
60/64	1.8	.7	.2	.1	.1	*	.2	2.2	.0	.1
55/59	.1	*	*	.0	.0	.0	.0	.1	.0	.0
50/54	.0	.0	.0	.0	.0	.0	.0	*	.0	.0
TOTAL	31.6	13.2	5.2	2.2	1.6	2.4	6.3	32.6	.0	4.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	88	82	79	72	65	62	59	71.8	1859
06E09	89	78	76	70	64	61	56	69.9	1657
12E15	90	77	74	69	63	60	57	69.0	1627
18E21	88	82	78	72	65	62	59	71.7	7140
TOT	89	81	77	71	64	61	56	70.7	7283

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	14.8	20.0	33.2	17.0	6.9	72	1999
06E09	.0	7.5	21.1	33.8	27.6	10.0	75	1353
12E15	.0	5.2	22.6	32.5	29.5	10.1	76	1292
18E21	.1	13.9	30.9	33.0	17.5	5.3	71	1637
TOT	1	608	1469	1881	1273	445	73	5676

DECEMBER

PERIOD: (PRIMARY) 1954-1979 — AREA 0002 SOUTHWEST BAJA
(OVER-ALL) 1860-1979 — TABLE 17 — 23.3N 111.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	%O FOG
20/22	.0	.0	.0	.0	.0	.0	*	.0	.0	1	.0	*
17/19	.0	.0	.0	.0	.0	*	*	.0	*	4	.0	.1
14/16	.0	.0	.0	*	.0	*	.0	*	*	5	.0	.1
11/13	.0	.0	.0	*	*	.2	.1	.1	*	27	.0	.4
9/10	.0	.0	.0	.0	*	.2	.1	.2	*	37	.0	.6
7/8	.0	.0	*	*	.2	.7	.2	.1	*	58	.0	.9
6	.0	.0	.0	*	.2	.2	.1	.1	*	63	.0	.7
5	.0	.0	*	.1	.3	.6	.4	.2	.0	87	.0	1.4
4	.0	.0	*	.2	.6	.7	.6	.1	.0	137	.0	2.2
3	.0	.0	*	.2	.5	.9	.5	.1	.0	128	.0	2.1
2	.0	.0	*	.4	1.2	1.3	.7	.2	.0	232	.0	3.8
1	.0	.0	.1	.5	1.3	1.7	.8	.1	.0	273	*	4.4
0	.0	*	.2	1.3	3.0	3.2	.9	*	.0	529	.0	8.6
-1	.0	*	.1	1.1	2.9	2.9	.6	*	.0	471	*	7.6
-2	.0	*	.3	2.3	5.1	4.0	.6	*	.0	795	.0	12.3
-3	.0	.0	.3	2.2	4.9	2.7	.3	.0	.0	636	*	10.4
-4	.0	*	.4	3.1	5.1	2.7	.2	*	.0	723	*	11.8
-5	.0	*	.7	3.0	4.4	1.9	.1	.0	.0	616	.0	10.1
-6	.0	*	.7	2.5	3.1	.9	*	.0	.0	443	*	7.2
-7/-8	*	.1	1.1	3.7	3.6	.9	.0	.0	.0	553	.0	9.0
-9/-10	.0	.1	.6	1.9	1.1	.2	*	.0	.0	265	.0	4.0
-11/-13	.0	.1	.4	.7	.3	.1	*	.0	.0	101	.0	1.6
-14/-16	.0	*	.1	.1	*	.0	.0	.0	.0	14	.0	.2
-17/-19	*	.0	*	.1	.0	.0	.0	.0	.0	8	.0	.1
-20/-22	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL	3	31	322	1006	2321	1531	385	78	8	6127	7	6120
PCT	*	.5	5.3	23.6	37.9	25.0	6.3	1.3	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.3	*	.0	.0	.0	3.1	.4	1.5	.1	.0	.0	.0	2.0
1-2	1.6	8.7	2.3	.0	.0	.0	12.6	.5	4.4	1.7	.0	.0	.0	6.7
3-4	.3	3.9	5.4	.2	.0	.0	9.8	.0	1.7	2.4	*	.0	.0	4.3
5-6	.0	.4	2.6	.1	.0	.0	3.9	.0	.2	1.1	.0	.0	.0	1.3
7	.0	.1	.5	.1	.0	.0	.7	.0	.0	.3	.1	.0	.0	.3
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	.2	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	15.7	11.1	.5	.0	.0	30.0	1.0	7.8	5.8	.3	.0	.0	14.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.1	.0	.0	.0	.8	.2	.5	.1	.0	.0	.0	.9
1-2	.3	2.1	.5	.0	.0	.0	2.9	.1	.1	.2	.0	.0	.0	.4
3-4	.1	1.2	.5	.0	.0	.0	1.8	.0	.5	.2	*	.0	.0	.7
5-6	.0	.1	.2	.0	.0	.0	.3	.0	.1	.2	.0	.0	.0	.3
7	.0	.0	.1	.1	.0	.0	.1	.0	*	.0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.1	1.4	.2	.1	.0	6.1	.3	1.2	.7	*	.0	.0	2.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.1	.0	.0	.0	.9
1-2	.1	.1	.2	.0	.0	.0	.4
3-4	.0	.5	.2	*	.0	.0	.7
5-6	.0	.1	.2	.0	.0	.0	.3
7	.0	*	.0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.4	.5	.0	.0	.0	2.3

PERIOD: (OVER-ALL) 1963-1979 DECEMBER AREA CODE SOUTHWEST BAJA

TABLE 18 (CONT) 23.3N 111.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.1
1-2	.1	.2	*	.0	.0	.0	.3
3-4	.0	.2	.3	*	.0	.0	.5
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	*	.0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.3	.4	*	.0	.0	1.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.6	*	.0	.0	.0	1.0
1-2	.7	2.4	.2	.0	.0	.0	3.3
3-4	.0	.9	.4	.0	.0	.0	1.3
5-6	.0	.2	.3	.1	.0	.0	.5
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	*	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.4	1.1	.2	.0	.0	5.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.9	.3	.0	.0	.0	3.9
1-2	.5	10.5	3.6	.0	.0	.0	14.6
3-4	*	4.1	4.5	.1	.0	.0	8.7
5-6	.1	.8	2.7	.2	.0	.0	3.8
7	.0	.1	.7	.1	.0	.0	1.0
8-9	.0	.1	.3	.1	.0	.0	.4
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	13.6	11.9	.5	.0	.0	32.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.9	9.9	.6	.0	.0	.0	17.9
1-2	3.9	20.9	8.6	.0	.0	.0	43.4
3-4	.5	12.4	13.8	.5	.0	.0	27.2
5-6	.1	2.0	7.1	.4	.0	.0	9.6
7	.0	.3	1.6	.3	.0	.0	2.3
8-9	.0	.1	.5	.2	.0	.0	.7
10-11	.0	.0	.1	.4	.0	.0	.6
12	.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0

TOTAL PCT

HGT	PCT
<1	3.9
1-2	14.6
3-4	8.7
5-6	3.8
7	1.0
8-9	.4
10-11	.1
12	.0
13-16	.1
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	32.3

95.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.5	9.9	.6	.0	.0	.0	17.9	
1-2	3.9	28.9	8.6	.0	.0	.0	41.4	
3-4	.5	12.4	13.8	.5	.0	.0	27.2	
5-6	.1	2.0	7.1	.4	.0	.0	9.6	
7	.0	.3	1.6	.3	.0	.0	2.3	
8-9	.0	.1	.5	.2	.0	.0	.7	
10-11	.0	.0	.1	.4	.0	.0	.6	
12	.0	.0	.1	.1	.0	.0	.2	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1679
TOT PCT	12.1	53.7	32.3	1.8	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	5.4	20.5	10.8	6.8	2.0	.7	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2694	3
6-7	.2	7.2	7.2	5.7	2.6	.8	.7	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	961	4
8-9	*	.7	2.1	2.4	1.0	.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	384	5
10-11	.0	.6	.9	1.0	.6	.3	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	179	5
12-13	.0	.0	.0	.6	.4	.1	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	108	6
>13	.0	.0	.0	.4	.2	.1	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
INDET	6.4	2.0	1.0	.0	.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	505	2
TOTAL	901	1206	1561	893	365	156	100	19	14	4	.0	.0	0	0	0	0	0	0	0	4967	3
PCT	11.9	26.0	31.5	17.6	7.4	2.7	2.0	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.3	.1	.3	.0	.0	.0	.0	.6	.4	.2	.5	.1	1.6		•	96.6
NE	1.4	.3	1.0	.0	.0	.0	.0	2.6	.8	.4	.7	.1	1.9		•	93.4
E	1.9	.8	1.4	.0	.0	.0	.0	3.9	1.7	1.2	2.0	.4	3.2		.1	87.5
SE	2.0	1.1	1.5	.0	.0	.0	.0	4.5	2.0	.5	2.4	.1	3.8		.2	86.3
S	1.5	.9	.5	.0	.0	.0	.0	2.9	1.2	.5	1.5	.2	2.7		.2	90.8
SW	.7	.2	.6	.0	.0	.0	.0	1.4	.6	.3	1.2	.2	2.7		•	93.5
W	.2	.1	.2	.0	.0	.0	•	.6	.5	.3	1.2	.1	3.0		•	93.6
NW	.2	.1	.1	.0	.0	.0	•	.4	.2	.2	.8	•	2.7		•	95.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.1	.1	.2	.0	.0	.0	.0	.4	.4	.5	3.3	.1	5.0		.1	90.1
TOT PCT	.4	.2	.3	.0	.0	.0	•	.9	.4	.2	.9	.1	2.7		.1	94.7
TOT OBS: 93327																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.4	.2	.3	.0	.0	.0	.0	.9	.4	•	.6	•	3.4		.1	94.7
06&09	.4	.1	.2	.0	.0	.0	.0	.8	.5	.5	.6	•	2.1		•	95.5
12&15	.5	.2	.4	.0	.0	.0	.0	1.1	.4	.5	1.2	.1	2.1		•	94.6
18&21	.4	.2	.3	.0	.0	.0	•	.8	.4	•	1.4	.1	3.1		.1	94.0
TOT PCT	.4	.2	.3	.0	.0	.0	•	.9	.4	.3	1.0	.1	2.7		.1	94.6
TOT OBS: 94743																

TABLE 7

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.4	10.7	7.9	.5	•	•		20.4	10.5	15.6	15.6	19.0	17.9	22.9	20.9	24.4	21.3
NE	.5	3.0	1.3	.1	•	•		4.9	9.0	3.3	4.2	4.4	7.1	5.1	6.6	6.5	6.4
E	.4	1.4	.5	.1	•	•		2.3	8.6	1.7	1.8	2.3	2.2	2.4	2.7	2.8	3.1
SE	.4	1.2	.5	.1	•	•		2.2	8.3	2.2	2.3	2.3	2.0	1.9	2.2	2.4	2.4
S	.3	1.0	.3	.1	•	•		1.7	7.6	2.1	1.6	1.8	2.3	1.4	1.5	1.6	1.7
SW	.4	1.3	.3	•	•	•		2.0	7.2	3.0	2.4	1.6	2.0	1.5	2.0	1.7	2.4
W	1.1	6.4	3.4	.1	•	•		11.6	9.0	16.6	12.5	11.0	14.2	8.7	9.9	9.0	9.9
NW	2.2	24.0	23.4	1.2	•	•		50.9	11.0	53.1	56.0	51.9	52.0	50.9	51.1	47.8	51.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.0							4.0	.0	2.5	3.5	4.9	2.8	5.3	3.1	3.8	2.1
TOT OBS							99957		10.1	24059	1759	21028	1338	20232	2646	27214	1681
TOT PCT	10.7	49.4	37.6	2.2	.1	•		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 7A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.3	12.7	2.3	.1	•		20.4	10.5	15.6	18.7	22.7	24.2
NE	1.8	2.7	.4	•	•		4.9	9.0	3.3	6.3	5.2	6.5
E	1.0	1.1	.2	•	•		2.3	8.6	1.7	2.3	2.4	2.8
SE	1.0	.9	.3	.1	•		2.2	8.3	2.2	2.3	1.9	2.4
S	.9	.7	.1	•	•		1.7	7.6	2.0	1.8	1.4	1.6
SW	1.1	.8	.1	•	•		2.0	7.2	2.9	1.7	1.8	1.7
W	4.0	6.7	.8	•	•		11.6	9.0	16.3	12.2	8.8	9.0
NW	10.0	33.6	7.1	.2	•		50.9	11.0	53.3	51.9	50.9	46.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.0						4.0	.0	2.6	4.8	5.0	3.7
TOT OBS						99957		10.1	25918	22366	22678	28995
TOT PCT	29.0	59.2	11.3	.4	•		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1950-1979

AREA 0002 SOUTHWEST BASE
23.4N 111.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.6	6.0	46.8	41.8	2.6	.1	0	10.7	100.0	25918
06&09	4.8	6.1	49.9	37.0	2.2	.1	0	10.0	100.0	22366
12&15	5.0	6.4	51.8	35.0	1.7	0	0	9.7	100.0	22078
18&21	3.7	8.0	49.4	36.5	2.2	.1	0	9.9	100.0	20899
TOT								10.1		99957
PCT	4.0	6.7	49.4	37.6	2.2	.1	0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.7	3.8	5.1	2.7		3.4
NE	2.1	.9	1.1	.6		3.7
E	.8	.4	.7	.4		4.0
SE	.7	.4	.7	.4		4.0
S	.6	.4	.5	.3		3.9
SW	.8	.4	.5	.3		3.6
W	5.5	2.1	2.5	1.2		3.2
NW	20.7	9.2	11.7	5.0		3.1
VAR	.0	.0	.0	.0		.0
CALM	2.1	.6	.7	.5		2.9
TOT OBS					76397	3.3
TOT PCT	47.0	18.2	28.0	10.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >8/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	0	.2	.9	2.0	1.7	.9	.1	.1	.1	16.2	
NE	0	0	.1	.3	.8	.2	.1	0	0	0	5.7	
E	0	0	0	.2	.2	.1	.1	0	0	0	1.6	
SE	0	0	0	.2	.2	.1	.1	0	0	0	1.6	
S	0	0	0	.1	.1	.1	0	0	0	0	1.2	
SW	0	0	0	.1	.2	.1	0	0	0	0	1.5	
W	.1	0	.1	.5	.9	.6	.2	.1	0	0	6.9	
NW	.3	.1	.6	2.6	6.9	2.2	1.0	.3	.2	.2	35.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	0	0	.2	.2	.1	.1	0	0	0	5.7	
TOT PCT	.6	.2	.9	4.7	8.6	4.7	2.0	.6	.4	.5	77.1	76397 100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >8/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SOVE	: OR >0
: OR >6500	.8	.9	.9	.9	.9	.9	.9	.9
: OR >5000	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >3500	3.0	3.4	3.5	3.5	3.5	3.5	3.5	3.5
: OR >2000	6.8	7.7	7.8	7.8	7.8	7.8	7.8	7.8
: OR >1000	14.3	16.2	16.4	16.4	16.4	16.4	16.4	16.4
: OR >600	18.1	20.8	21.1	21.1	21.1	21.1	21.1	21.2
: OR >300	18.7	21.7	22.0	22.0	22.1	22.1	22.1	22.1
: OR >150	18.8	21.9	22.2	22.3	22.3	22.3	22.3	22.3
: OR > 0	19.0	22.2	22.6	22.7	22.8	22.8	22.9	22.9

TOTAL NUMBER OF OBS: 77288

PCT FREQ HH <5/8: 77.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
32.0	15.4	12.5	9.5	6.9	4.7	5.7	5.3	7.2	.4 81282

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

AREA 0002 SOUTHWEST BAJA
23.4N 111.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	0	0	0	0	0	0	0	.0	.0	0	
	NO PCP	0	0	0	0	0	0	0	.1	.0	0	.2	
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.2	
1/2<1	PCP	0	0	0	0	0	0	0	0	.0	.0	0	
	NO PCP	0	0	0	0	0	.0	0	0	.0	0	.1	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1<2	PCP	0	0	0	0	0	0	0	0	.0	0	0	
	NO PCP	0	0	0	0	0	0	0	0	.0	0	.1	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
2<5	PCP	0	0	0	0	0	0	0	0	.0	.0	.1	
	NO PCP	.1	0	0	0	0	0	.1	.3	.0	0	.6	
	TOT %	.1	0	0	0	0	0	.1	.3	.0	0	.7	
5<10	PCP	0	0	.1	0	0	0	0	.1	.0	0	.3	
	NO PCP	1.3	.1	.2	.2	.2	.2	1.3	4.5	.0	.4	8.8	
	TOT %	1.4	.4	.3	.3	.2	.2	1.3	4.6	.0	.4	9.1	
10+	PCP	.1	.1	0	0	0	0	0	.1	.0	0	.4	
	NO PCP	19.0	4.4	2.0	1.8	1.5	1.7	10.0	45.0	.0	3.3	89.5	
	TOT %	19.1	4.4	2.0	1.9	1.5	1.7	10.0	45.0	.0	3.3	89.8	
	TOT OBS												93C77
	TOT PCT	20.6	4.5	2.3	2.2	1.7	2.0	11.5	50.9	.0	3.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	0	0	0	0	0	0	0	0	.0	0	.1	
	4-10	0	0	0	0	0	0	0	.1	.0		.1	
	11-21	0	0	0	0	0	0	0	0	.0		0	
	22+	.0	0	0	0	0	0	.0	0	.0		0	
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.2	
1/2<1	0-3	.0	0	.0	0	.0	0	0	0	.0	0	0	
	4-10	0	0	0	0	0	.0	0	0	.0		.1	
	11-21	0	0	0	0	0	0	0	0	.0		0	
	22+	0	0	0	0	0	0	.0	0	.0		0	
	TOT %	0	0	0	0	0	0	0	0	.0	0	.1	
1<2	0-3	0	0	0	0	.0	0	0	0	.0	0	0	
	4-10	0	0	0	0	0	0	0	0	.0		.1	
	11-21	0	0	0	0	.0	0	0	0	.0		0	
	22+	0	0	0	0	0	0	0	0	.0		0	
	TOT %	0	0	0	0	0	0	0	.1	.0	0	.2	
2<5	0-3	0	0	0	0	0	0	0	0	.0	.1	.1	
	4-10	.1	0	0	0	0	0	.1	.2	.0		.5	
	11-21	.1	0	0	0	0	0	0	.2	.0		.3	
	22+	0	0	0	0	0	0	0	0	.0		.1	
	TOT %	.1	.1	.1	.1	0	0	.1	.5	.0	.1	1.0	
5<10	0-3	.1	0	0	0	0	0	.1	.2	.0	.4	1.1	
	4-10	.7	.2	.1	.1	.1	.1	.8	2.1	.0		4.2	
	11-21	.5	.1	.1	.1	.1	0	.4	2.1	.0		3.4	
	22+	.0	0	0	0	0	0	0	.1	.0		.3	
	TOT %	1.3	.4	.3	.3	.2	.2	1.3	4.5	.0	.4	9.0	
10+	0-3	1.2	.4	.3	.3	.2	.3	1.0	1.9	.0	3.3	9.1	
	4-10	9.9	2.7	1.2	1.0	.6	1.1	6.0	21.5	.0		44.2	
	11-21	7.4	1.2	.4	.4	.3	.2	2.9	21.3	.0		34.2	
	22+	.4	.1	.1	.1	0	0	.1	1.1	.0		1.9	
	TOT %	18.9	4.4	2.0	1.8	1.5	1.7	10.0	45.0	.0	3.3	89.4	
	TOT OBS												96859
	TOT PCT	20.5	4.8	2.3	2.2	1.7	2.0	11.5	51.0	.0	3.9	100.0	

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

AREA 0002 SOUTHWEST BAJA
23.9N 111.6W

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.3	.2	.7	3.5	6.8	3.4	1.8	.6	.4	.5	18.4	81.6	21512
06E09	.6	.2	.7	4.0	7.4	3.7	1.5	.5	.3	.5	19.3	80.7	18017
12E15	.9	.3	1.2	6.0	10.0	4.6	2.0	.5	.4	.5	26.3	73.7	17303
18E21	.7	.2	1.0	4.9	9.3	5.0	2.2	.7	.5	.4	24.9	75.1	23310
TOT PCT	.6	.2	.9	4.6	8.4	4.2	1.9	.6	.4	.5	22.2	77.8	80142 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.1	.1	.8	7.9	90.9	25353
06E09	.2	.1	.2	1.0	9.2	89.4	22324
12E15	.3	.2	.3	1.3	10.6	87.3	22439
18E21	.4	.1	.2	1.1	8.6	89.7	28178
TOT PCT	.3	.1	.2	1.1	9.0	89.4	98294 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <5DYD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.3	1.3	5.4	13.9	80.7	20736
06E09	.6	1.6	6.4	14.1	79.5	17326
12E15	.9	2.5	9.4	18.3	72.3	16684
18E21	.7	2.1	7.6	18.4	74.0	22542
TOT PCT	.6	1.9	7.1	16.2	76.7	77288 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	•	•	•	•	•	.0	.0		•
90/94	•	•	•	•	.1	.1	•	•		.2
85/89	•	•	•	.1	.4	.9	.3	.1		1.7
80/84	•	•	.1	.3	1.5	4.3	3.9	.8		10.8
75/79	•	•	.1	.7	2.0	6.6	6.8	2.9		19.0
70/74	•	•	.2	1.2	4.6	7.7	8.0	4.0		25.6
65/69	.0	•	.2	1.1	3.5	7.6	9.9	4.3		26.6
60/64	.0	•	.1	.4	1.6	3.5	6.4	3.2		15.2
55/59	.0	.0	•	•	.1	.2	.3	.3		.9
50/54	.0	.0	.0	.0	.0	•	•	•		•
TOTAL PCT	•	.1	.6	3.6	13.9	30.7	35.5	15.5	78523	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
•	•	•	•	•	.0	•	•	.0	.0
•	•	•	•	•	•	•	.1	.0	•
.2	.1	.1	.1	.1	.1	.2	.7	.0	.1
1.5	.5	.5	.7	.5	.4	1.6	4.6	.0	.6
3.6	1.0	.6	.5	.5	.5	2.4	9.1	.0	.9
6.0	1.6	.7	.4	.4	.5	2.9	12.1	.0	1.1
6.4	1.3	.4	.3	.2	.3	2.7	14.1	.0	.9
3.2	.5	.1	.1	.1	.1	1.3	9.5	.0	.3
.2	•	•	•	•	•	•	.6	.0	•
•	•	.0	•	.0	.0	•	•	.0	.0
21.2	5.0	2.3	2.2	1.7	1.9	11.1	50.7	.0	3.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	99	84	80	73	66	62	50	73.1	25919
06E09	95	78	76	70	64	62	50	70.2	22601
12E15	92	78	75	69	63	61	50	69.4	24107
18E21	97	83	80	73	66	62	53	72.8	28032
TOT	99	82	79	71	65	62	50	71.5	100659

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	•	6.1	17.5	36.4	30.7	9.3	77	20733
06E09	•	2.5	8.6	23.9	42.0	22.9	82	18364
12E15	•	2.1	8.5	23.3	41.9	24.2	82	17916
18E21	•	5.9	18.8	36.8	29.7	8.8	76	22727
TOT	0	3194	10532	24320	26834	12842	79	79730

PERIOD: (PRIMARY) 1952-1979 AREA 0002 SOUTHWEST BASE
(OVER-ALL) 1950-1979 TABLE 17 29.04N 111.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	<=	51	57	61	65	69	73	77	81	85	89	>92	TOT	%	WO
TMP DIF	52	56	60	64	68	72	76	80	84	88	92			FOG	FOG
26/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	*	2	.0	*
23/25	.0	.0	.0	.0	.0	.0	*	.0	.0	*	*	.0	4	.0	*
20/22	.0	.0	.0	.0	.0	*	*	*	*	*	.0	*	32	.0	*
17/19	.0	.0	.0	.0	*	*	*	*	*	*	*	*	105	*	.1
14/16	.0	.0	.0	*	*	*	.1	.1	.1	*	*	*	265	*	.1
11/13	.0	.0	.0	*	*	.1	.2	.2	.2	.1	*	*	714	*	.4
8/10	.0	.0	*	*	.1	.2	.3	.3	.2	.1	*	*	1105	*	1.2
7/9	.0	.0	*	*	.2	.5	.5	.4	.3	.1	.1	*	2006	*	2.2
6	.0	.0	*	*	.2	.4	.4	.3	.2	.1	*	*	1538	*	1.7
5	.0	.0	*	.1	.4	.7	.6	.5	.4	.2	*	*	2609	*	2.9
4	.0	.0	*	.2	.8	.9	.7	.6	.5	.2	*	.0	3632	.1	3.8
3	.0	.0	*	.2	.8	.8	.8	.6	.5	.1	*	.0	3386	.1	3.8
2	.0	.0	*	.4	1.4	1.5	1.1	1.0	.6	.2	*	.0	5091	.1	6.6
1	.0	.0	.1	.7	1.4	1.4	1.1	1.0	.7	.2	*	.0	5720	.1	6.5
0	.0	*	.2	1.7	2.4	2.3	1.8	1.4	1.2	.1	*	.0	9889	.1	11.2
-1	.0	*	.1	1.4	2.0	1.9	1.7	1.4	.8	.1	.0	.0	8217	.1	9.4
-2	.0	*	.3	2.0	2.6	2.3	2.0	1.7	.8	*	.0	.0	10116	.1	11.7
-3	.0	*	.3	1.4	2.0	2.0	1.4	1.2	.5	*	.0	.0	7567	.1	8.8
-4	.0	*	.3	1.2	2.1	1.7	1.5	1.2	.4	*	.0	.0	7477	.1	8.9
-5	.0	*	.3	1.1	1.7	1.4	1.2	.8	.2	*	.0	.0	5819	*	6.8
-6	.0	*	.2	.9	1.1	1.0	.7	.4	.1	*	.0	.0	3598	*	4.3
-7/-8	.0	*	.2	1.0	1.4	1.1	.8	.4	*	*	.0	.0	4099	*	4.9
-9/-10	.0	*	.1	.4	.6	.4	.3	.1	*	*	.0	.0	1727	*	2.0
-11/-13	*	*	.1	.2	.2	.2	.1	*	*	.0	.0	.0	729	*	.9
-14/-16	*	*	*	.1	*	*	*	*	*	.0	.0	.0	150	*	.2
-17/-19	*	*	*	*	*	*	*	*	.0	.0	.0	.0	37	*	*
-20/-22	.0	*	*	*	*	*	*	*	.0	.0	.0	.0	11	.0	*
-23/-25	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL													84756		
PCT	*	.1	2.2	14.1	21.0	20.9	17.0	14.1	7.8	1.7	.3	*	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.4	*	.0	.0	.0	1.9
1-2	.5	4.0	2.7	.0	.0	*	8.7
3-4	.1	3.3	4.1	.1	.0	.0	7.6
5-6	*	.7	2.4	.2	*	.0	3.3
7	.0	.1	.7	.1	*	.0	1.0
8-9	.0	*	.2	.1	.0	.0	.2
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	11.6	9.7	.6	*	*	23.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	*	.0	.0	.0	.8
1-2	.1	1.7	.5	.0	.0	.0	2.3
3-4	*	.7	.7	*	.0	.0	1.5
5-6	.0	.1	.1	*	.0	.0	.5
7	.0	*	.1	*	*	*	.2
8-9	.0	*	*	*	.0	.0	*
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	*	*	.0	*
13-16	.0	.0	.0	.0	.0	*	*
17-19	.0	.0	.0	*	.0	*	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.1	1.7	.1	*	*	5.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	*	.0	.0	.0	.3
1-2	.1	.7	.2	.0	.0	.0	.9
3-4	*	.4	.2	*	.0	.0	.6
5-6	*	*	.1	*	.0	.0	.2
7	.0	*	*	*	.0	.0	.1
8-9	.0	*	*	*	*	*	*
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.3	.6	.1	*	*	2.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	*	.0	.0	.0	.4
1-2	.1	.5	.1	.0	.0	.0	.7
3-4	*	.2	.2	*	.0	.0	.5
5-6	*	.1	.2	*	*	.0	.3
7	.0	*	*	*	*	.0	.1
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.1	.6	.2	*	.0	2.0

PERIOD: (OVER-ALL) 1963-1979 — AREA 0002 SOUTHWEST BAJA 23.0N 111.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	*	.0	.0	.0	.3
1-2	.1	.5	.1	.0	.0	.0	.6
3-4	*	.2	.1	*	.0	.0	.3
5-6	*	.1	.1	*	.0	.0	.2
7	.0	*	*	*	.0	.0	.1
8-9	.0	*	*	*	.0	.0	*
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	*	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.0	.4	.1	*	*	1.6

Sb

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	*	.0	.0	.0	.4
1-2	.1	.6	.1	.0	.0	.0	.8
3-4	*	.2	.1	*	.0	.0	.3
5-6	*	*	.1	*	.0	.0	.1
7	.0	*	*	*	.0	.0	*
8-9	.0	*	*	.0	*	.0	*
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	*	*	*	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.6	.6	.1	*	*	2.7

b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.0	.1	.0	.0	.0	1.4
1-2	.4	3.3	.9	.0	.0	.0	4.6
3-4	.1	1.5	1.3	*	.0	.0	3.0
5-6	*	.3	.7	.1	*	.0	1.1
7	.0	.1	.2	*	*	.0	.3
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	*	*	*	.0	*
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	6.2	3.3	.2	*	.0	10.5

Nb

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	2.3	.2	.0	.0	.0	3.2	
1-2	.7	11.6	5.0	*	.0	*	17.3	
3-4	.2	6.7	10.4	.2	.0	.0	17.6	
5-6	*	1.4	6.7	.4	*	.0	8.6	
7	.0	.2	1.9	.3	*	.0	2.5	
8-9	.0	.1	.4	.2	*	.0	.7	
10-11	.0	.0	.1	.1	*	.0	.2	
12	.0	.0	*	*	*	.0	*	
13-16	.0	.0	*	*	.0	.0	.1	
17-19	.0	.0	.0	*	.0	.0	*	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.7	22.3	29.8	1.3	*	*	55.1	96.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.0	6.3	.3	.0	.0	.0	12.6	
1-2	2.3	24.7	8.8	*	.0	*	35.9	
3-4	.6	13.1	17.1	.5	.0	.0	31.2	
5-6	.1	2.6	10.7	.8	*	.0	14.2	
7	.0	.5	3.0	.6	*	*	4.1	
8-9	.0	.1	.7	.3	*	*	1.1	
10-11	.0	.0	.1	.2	*	.0	.4	
12	.0	.0	*	.1	*	.0	.1	
13-16	.0	.0	.1	*	*	*	.1	
17-19	.0	.0	.0	*	*	*	.1	
20-22	.0	.0	.0	.0	.0	*	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								22950
TOT PCT	9.1	47.4	40.9	2.5	.1	*	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.7	16.7	18.7	8.4	2.7	.9	.3	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	35960	3
6-7	.1	2.2	7.8	7.6	3.6	1.3	.6	.2	.1	*	*	*	.0	*	.0	.0	.0	.0	.0	16511	5
8-9	*	.8	2.4	2.8	1.9	.9	.5	.2	.2	*	*	*	*	.0	.0	.0	.0	.0	.0	6941	6
10-11	.0	.6	.9	.9	.7	.4	.2	.1	.1	*	*	*	*	*	.0	.0	.0	.0	.0	2783	6
12-13	.0	.0	.7	.5	.3	.2	.1	.1	*	*	*	.0	*	.0	.0	.0	.0	.0	.0	1340	6
>13	.0	.0	.0	.4	.3	.1	.1	*	*	*	*	*	*	*	*	.0	.0	.0	.0	689	8
INDET	3.6	1.4	1.6	1.0	.5	.2	.1	*	*	*	*	*	.0	*	.0	.0	.0	.0	.0	5856	2
TOTAL																				70080	4
PCT	7.5	21.7	32.1	21.7	9.7	4.0	1.9	.6	.6	.2	.1	*	*	*	*	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVERP-ALL) 1950-1979

AREA 0002 SCUTHWEST 66.0
23.00 111.00

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OBS	PCT
>84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	*	*	*	.0	.0	*	*
81/82	.0	.0	.0	.0	.0	.0	.0	*	*	*	.0	.0	6	*
81/82	.0	.0	.0	.0	.0	*	*	.1	.1	*	.0	.0	22	*
89/8C	.0	.0	.0	.0	.0	.0	.1	.4	.4	.1	*	.0	87	.1
87/88	.0	.0	.0	.0	*	*	.3	1.7	2.4	1.2	.3	*	901	.5
85/86	*	.1	*	.0	.0	.1	1.3	6.1	9.1	5.4	.8	.1	1891	2.C
83/84	.1	*	*	.1	.2	.2	3.2	10.4	14.9	12.C	4.C	.4	3621	3.9
81/82	.2	.1	.1	.1	.2	.4	6.9	17.C	22.C	20.2	10.5	1.4	6796	6.4
79/8C	.6	.3	.2	.2	.4	1.1	9.2	17.1	17.4	18.7	10.6	4.4	7C2C	7.6
77/78	2.8	1.1	.6	.4	1.2	2.2	11.8	14.4	11.C	15.8	21.2	12.8	7655	8.3
75/76	8.6	3.4	2.4	1.4	2.4	3.8	10.2	12.C	9.C	10.7	19.3	15.7	8225	8.9
73/74	16.2	9.2	5.7	5.1	5.7	7.2	10.8	9.2	5.4	4.7	12.6	23.C	8987	9.8
71/72	21.9	15.C	11.5	8.C	7.6	6.9	10.1	5.7	2.8	1.9	7.3	16.7	9752	11.1
69/7C	19.9	2C.7	15.9	12.3	1C.6	10.7	10.6	3.7	1.4	2.5	6.4	1C.8	9026	1C.2
67/68	14.5	21.8	19.2	17.2	15.9	17.2	7.1	1.4	1.3	1.1	2.4	6.2	9561	1C.3
65/66	7.5	16.4	19.C	19.3	19.4	17.1	3.6	.8	.3	.4	1.1	2.4	8197	8.8
63/64	4.7	9.5	16.C	21.2	21.C	16.5	7.1	.1	.2	.2	.5	1.4	7339	7.9
61/62	1.2	2.8	6.4	9.C	1C.4	8.6	.8	.1	*	.1	.2	.4	2968	3.2
59/6C	.5	1.C	2.4	3.4	4.8	2.6	.2	*	.C	*	*	.1	1217	1.3
57/58	.2	.2	.7	.8	1.2	.7	.1	.C	.C	.C	.C	.1	336	.4
55/56	.1	.1	.3	.2	.2	.2	*	.C	.C	.C	.C	*	98	.1
53/54	*	*	.1	.1	.1	.1	.C	.C	.C	.C	.C	*	35	*
51/52	.C	*	*	.1	*	.1	.C	.C	.C	.C	.C	.C	17	*
49/5C	.C	.C	*	*	*	.C	.C	.C	.C	.C	.C	.C	5	*
47/48	.C	.C	.C	.C	*	*	.C	.C	.C	.C	.C	.C	2	*
45/46	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
43/44	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
41/42	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
39/4C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
37/38	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
35/36	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
33/34	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
31/32	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
29/3C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
27/28	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
<27	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	C	.C
TOTAL	6983	6676	7687	7691	8496	8261	8376	8262	8156	8024	7982	6711	92785	1CC.C
MEAN	7C.9	68.6	67.2	64.5	66.9	67.7	74.2	78.5	79.8	78.9	76.3	73.9	72.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0C0C	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1C15	1016	1016	1015	1015	1016	1017	1016	1016	7C69
FEB	1C15	1015	1016	1015	1015	1016	1017	1C15	1016	69C7
MAR	1C14	1015	1C15	1014	1014	1015	1C16	1C14	1015	7799
APR	1C13	1C14	1015	1C12	1013	1014	1C15	1013	1014	9004
MAY	1C12	1013	1014	1012	1013	1C13	1C14	1013	1013	8795
JUN	1C11	1011	1012	1C11	1C12	1012	1013	1C12	1C12	8487
JUL	1C11	1012	1013	1011	1012	1012	1013	1C12	1012	8643
AUG	1C11	1C11	1012	1C10	1012	1012	1013	1011	1012	8643
SEP	1C09	1009	1011	1009	1010	101C	1C12	1009	1010	8511
OCT	1C11	1012	1013	1011	1C12	1012	1C13	1C11	1012	9315
NOV	1C13	1014	1015	1013	1014	1C15	1C16	1C14	1015	7612
DEC	1C15	1014	1C16	1014	1015	1015	1C17	1014	1016	6823
ANN	1C13	1013	1014	1C12	1013	1C14	1C15	1C13	1013	95ECC
OBS	23225	1127	2C426	1729	19617	2005	76285	1594		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	995	1009	1012	1015	1016	1018	1C2C	1022	1026
FEB	995	1009	1012	1014	1016	1017	1C2C	1021	1029
MAR	1C01	1009	1011	1014	1015	1017	1C19	1020	1027
APR	998	1008	1010	1013	1014	1016	1C18	1020	1026
MAY	1C0C	1007	1010	1012	1013	1015	1C17	1C19	1027
JUN	997	1005	1008	1011	1012	1014	1016	1017	1025
JUL	996	1005	1008	1011	1012	1014	1C16	1018	1030
AUG	992	1003	1007	1010	1012	1014	1016	1C17	1029
SEP	99C	1001	1005	1009	1011	1012	1C15	1016	1023
OCT	1000	1005	1008	1011	1012	1014	1016	1C18	1024
NOV	1C01	1009	1C11	1C13	1015	1016	1C18	1020	1024
DEC	997	1009	1011	1C14	1015	1017	1C2C	1022	1026

PERIOD: (PRIMARY) 1955-1976 AREA 0003 GULF OF CALIFORNIA
(SECONDARY) 1970-1976 TABLE 1 29.0N 110.7W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR STRM	FOG OR PCPN PAST HR	FOG OR PCPN HRLY	SMOKE HAZE	SPRAY BLOW DUST	SNOW SIG WTR
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	1.7	.0	97.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.9	.0	.0	.0	99.1
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.9	.0	99.1
SE	0.0	.0	12.1	.0	.0	.0	.0	12.1	0.0	.0	0.1	.0	1.1	.0	70.7
S	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	100.0
NW	.0	.0	.7	.0	.0	.0	.0	.7	.0	.0	.1	.0	1.1	.0	99.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.5	3.2	0.4	.0	83.9
TOT PCT	.2	.0	.9	.0	.0	.0	.0	.9	.2	.0	1.1	.2	2.9	.0	96.7
TOT OBS	563														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR STRM	FOG OR PCPN PAST HR	FOG OR PCPN HRLY	SMOKE HAZE	SPRAY BLOW DUST	SNOW SIG WTR
00-03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.6	4.4	.0	93.2
04-09	1.0	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	98.0
12-15	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.7	.0	.7	.0	97.9
16-21	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	1.9	.6	4.4	.0	91.4
TOT PCT	.2	.0	1.1	.0	.0	.0	.0	1.1	.2	.0	1.1	.2	2.9	.0	96.4
TOT OBS	562														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.1	7.0	11.6	5.0	.1	.0		24.8	10.1	11.2	.0	10.0	.0	27.0	37.5	21.0	11.1
NE	.2	1.0	1.1	.0	.0	.0		2.2	9.7	5.7	50.0	7.0	12.5	2.0	12.5	1.7	.0
E	.5	1.1	.2	.0	.0	.0		1.8	5.2	3.1	.0	1.0	37.5	1.1	.0	1.7	.0
SE	.7	2.3	1.1	.1	.0	.0		4.0	9.6	6.1	.0	7.0	.0	7.0	.0	1.7	.0
S	.0	1.0	.1	.0	.0	.0		2.3	7.7	2.0	.0	7.1	.0	.1	.0	1.1	.0
SW	.2	1.0	.1	.0	.0	.0		2.0	6.0	.0	.0	1.5	.0	1.1	.0	2.1	.0
W	.0	2.7	.0	.0	.0	.0		4.3	8.5	1.0	.0	2.5	.0	0.2	.0	0.7	.0
NW	2.1	19.1	10.2	0.0	.0	.0		52.0	13.3	60.0	50.0	65.5	50.0	60.0	50.0	60.1	64.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.0							5.0	.0	2.0	.0	11.1	.0	0.0	.0	0.0	.0
TOT OBS	76	253	204	10	1	0	564		11.9	100	2	99	2	197	2	275	7
TOT PCT	11.0	38.1	39.0	10.1	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.9	12.0	6.5	1.2	.0		24.8	10.1	12.7	10.0	27.5	21.1
NE	1.2	1.6	.1	.0	.0		2.2	9.7	6.1	0.0	2.2	1.7
E	1.6	.5	.0	.0	.0		1.8	5.2	3.1	2.5	1.5	1.2
SE	1.0	2.0	.6	.0	.0		4.0	9.6	6.0	7.7	2.0	3.1
S	1.1	.9	.2	.0	.0		2.3	7.7	2.6	0.0	.5	1.5
SW	1.1	.8	.2	.0	.0		2.0	6.0	.9	1.5	3.1	2.3
W	1.0	1.0	.6	.0	.0		4.3	8.5	1.0	2.5	0.1	0.7
NW	9.1	28.5	12.6	1.0	.0		52.0	13.1	60.9	65.5	60.0	60.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5..						5.0	.0	2.7	10.0	6.5	0.3
TOT OBS	1 5	319	160	20	0	564		11.9	104	101	139	270
TOT PCT	27.9	56.0	21.1	3.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1870-1979

AREA 0003 GULF OF CALIFORNIA
29.6N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.7	2.7	92.5	48.6	11.6	.0	.0	12.6	100.0	146
06&09	10.9	9.9	33.7	32.7	11.9	1.0	.0	11.0	100.0	101
12&15	6.5	5.8	38.1	41.7	8.6	.0	.0	11.7	100.0	139
18&21	4.3	6.8	37.6	41.0	10.9	.0	.0	12.0	100.0	278
TOT	36	48	253	264	70	1	0	11.9		664
PCT	5.4	6.0	38.1	39.8	10.5	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	15.8	2.6	6.0	1.5		2.6
NW	1.8	.7	1.4	.6		3.2
E	.9	.2	.9	.6		3.7
SE	1.0	.7	1.7	2.0		5.5
S	1.4	.2	.5	.6		3.7
SW	.6	.2	.4	.1		3.9
W	1.6	.5	.7	.8		3.6
VAR	25.4	4.4	11.9	8.9		3.4
CALM	.0	.0	.0	.0		.0
TOT OBS	7.7	.6	1.0	1.2		3.3
TOT PCT	362	47	120	85	514	3.3
	51.0	6.1	23.3	16.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >6/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.9	.8	.3	1.1	.3	.0	.5	23.8	
NW	.0	.0	.0	.4	.6	.0	.1	.0	.0	.0	2.9	
E	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	1.7	
SE	.2	.0	*	.4	1.0	.0	.4	.0	.0	.0	2.2	
S	.0	.0	.1	.1	.5	.0	.0	.0	.0	.0	1.4	
SW	.0	.0	.0	*	.2	.0	.0	.0	.2	.0	1.0	
W	.0	.0	.0	.0	.3	.1	.1	.0	.1	.0	2.5	
VAR	.0	.0	.6	1.3	2.6	2.9	2.5	.2	.4	1.1	39.1	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	4	21	36	19	25	3	4	8	196	514
TOT PCT	.2	.0	1.0	4.1	8.8	5.7	6.9	.6	.8	1.6	76.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >6/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SOYD	: OR >0
: OR >6500	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
: OR >5000	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
: OR >3500	6.5	7.5	7.7	7.7	7.7	7.7	7.7	7.7
: OR >2000	10.2	11.1	11.5	11.5	11.5	11.5	11.5	11.5
: OR >1000	15.9	17.6	18.0	18.0	18.0	18.0	18.0	18.0
: OR >600	19.0	21.8	22.2	22.2	22.2	22.2	22.2	22.2
: OR >300	19.7	22.6	23.2	23.2	23.2	23.2	23.2	23.2
: OR >150	19.7	22.6	23.2	23.2	23.2	23.2	23.2	23.2
: OR > 0	19.7	22.6	23.2	23.2	23.2	23.2	23.4	23.4
TOTAL	105	118	171	171	121	121	122	122

TOTAL NUMBER OF OBS: 522

PCT FREQ HH <5/8: 76.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
65.6	12.3	8.9	7.2	2.5	5.1	4.3	5.3	8.7	.2	529

JANUARY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1870-1979

AREA 0003 GULF OF CALIFORNIA
25.0N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.*	.0	.0	.0	.0	.0	.0	.*	
	TOT %	.0	.0	.0	.*	.0	.0	.0	.0	.0	.0	.*	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.1	*	.0	.0	.0	*	.0	.*	.7	
	TOT %	.1	.0	.1	*	.0	.0	.0	*	.0	.*	.7	
5<10	PCP	.0	.0	.0	.*	.0	.0	.0	.0	.0	.0	.*	
	NO PCP	1.3	*	.2	.*	.1	*	.0	*.0	.0	.*	6.*	
	TOT %	1.3	*	.2	.7	.1	*	.0	*.0	.0	.*	6.0	
10+	PCP	.0	.0	.0	.2	.0	.0	.0	.*	.0	.0	.*	
	NO PCP	23.6	3.5	1.8	3.2	2.*	1.6	3.9	46.2	.0	*.0	91.7	
	TOT %	23.6	3.5	1.8	3.*	2.*	1.6	3.9	46.6	.0	*.0	91.7	
	TOT OBS												503
	TOT PCT	25.1	5.0	2.1	*.6	2.6	1.7	3.9	50.6	.0	5.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.*	.0	.0	.0	.0	.0		.*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.*	.0	.0	.0	.0	.0	.0	.*	
1/2<1	0-3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.*	.*	
	4-10	.0	.0	.1	.2	.0	.0	.0	.0	.0		.*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.3	.0	.0	.0	.0	.0	.0	*	.0		.*	
	TOT %	.3	.0	.1	.2	.0	.0	.0	*	.0	.*	1.3	
5<10	0-3	.1	.0	.2	.0	.0	.0	.0	.*	.0	.*	1.1	
	4-10	.6	*	.0	.0	.0	.0	.0	1.9	.0		2.*	
	11-21	.1	.0	.0	.*	.1	*	.0	1.0	.0		1.*	
	22+	.*	.0	.0	.2	.0	.0	.0	.*	.0		1.1	
	TOT %	1.3	*	.2	.7	.1	*	.0	3.9	.0	.*	6.*	
10+	0-3	1.2	.1	.*	.*	.*	.0	.7	1.7	.0	*.7	9.*	
	4-10	6.9	2.2	1.1	2.*	1.*	1.1	2.7	16.2	.0		33.*	
	11-21	12.2	1.2	.2	.*	.*	.*	.7	22.*	.0		38.*	
	22+	3.2	.0	.0	.2	.0	.0	.0	*.7	.0		*.1	
	TOT %	23.*	3.*	1.*	3.*	2.*	1.*	*.1	46.2	.*	*.7	91.2	
	TOT OBS												***
	TOT PCT	25.2	3.7	2.1	*.7	2.*	1.*	*.1	50.2	.0	5.*	100.0	

JANUARY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1870-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00E03	.0	.0	1.4	3.5	7.7	4.9	3.5	.7	.0	2.1	23.8	76.2	143
06E09	.0	.0	.0	6.2	7.2	2.1	3.1	1.0	1.0	.0	20.6	79.4	97
12E15	.0	.0	.0	3.1	6.3	1.6	5.5	.8	.8	2.4	20.5	79.5	127
18E21	.6	.0	1.9	4.4	5.0	5.7	6.3	.0	1.3	1.3	26.4	73.6	159
TOT	1	0	5	22	34	20	25	3	4	8	122	404	526
PCT	.2	.0	1.0	4.2	6.5	3.8	4.8	.6	.8	1.5	23.2	76.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.7	.7	.0	1.4	5.4	91.9	148
06E09	.0	.0	.0	1.0	8.6	90.5	105
12E15	.0	.0	.7	.0	9.2	90.1	141
18E21	.6	.0	.0	2.5	4.9	92.0	163
TOT	2	1	1	7	38	508	557
PCT	.4	.2	.2	1.3	6.8	91.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00E03	.0	2.1	7.0	19.0	73.9	142
06E09	.0	.0	7.2	13.4	79.4	97
12E15	.0	.0	3.2	17.5	79.4	126
18E21	.6	2.5	8.9	19.1	72.0	157
TOT	1	7	35	92	395	522
PCT	.2	1.3	6.7	17.6	75.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.2	.4	.4	.9	.0	.0	10	1.9
75/79	.0	.0	.2	.6	1.1	.9	.0	.4	17	3.2
70/74	.0	.0	.2	.6	5.3	6.0	4.5	.9	93	17.5
65/69	.0	.0	.2	1.5	6.8	9.0	14.7	8.1	214	40.3
60/64	.0	.0	.2	1.3	4.9	11.5	9.8	4.5	171	32.2
55/59	.0	.0	.2	.2	.9	2.1	.9	.6	26	4.9
TOTAL	0	0	6	24	103	162	159	77	531	100.0
PCT	.0	.0	1.1	4.5	19.4	30.5	29.9	14.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.7	.2	.0	.0	.0	.0	.0	1.0	.0	.0
	.6	.5	.3	*	.0	.0	.0	1.6	.0	.2
	5.4	.7	.5	.7	.5	.2	.7	8.4	.0	.6
	8.9	1.5	.8	2.7	1.7	.9	1.4	20.0	.0	2.4
	7.7	.7	.3	1.0	.7	.6	1.6	17.6	.0	2.1
	2.3	*	.1	.2	.0	.0	.0	2.1	.0	.2
	25.5	3.6	2.0	4.7	2.8	1.7	3.6	50.7	.0	5.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	83	82	80	67	61	59	57	68.0	148
06E09	82	76	73	65	60	57	57	65.7	106
12E15	72	71	70	64	58	56	55	64.1	141
18E21	83	76	74	67	60	57	56	66.9	169
TOT	83	81	74	66	59	57	55	66.4	[illegible]

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	8.2	21.8	29.3	30.6	10.2	75	147
06E09	.0	1.9	17.3	26.0	30.8	24.0	80	104
12E15	.0	2.3	13.5	31.6	35.3	17.3	80	133
18E21	.0	6.3	24.4	32.1	25.0	10.3	75	156
TOT	0	10	106	162	163	79	77	540

JANUARY

PERIOD: (PRIMARY) 1955-1979
(OVER-ALL) 1870-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
11/13	.0	.0	.0	.0	.0	.0	.4	.2	3	.0	.6
9/10	.0	.0	.0	.0	.2	.4	.0	.4	5	.0	.9
7/8	.0	.0	.2	.2	.9	.4	.2	.4	12	.0	2.3
6	.0	.0	.0	.2	.4	.8	.2	.0	8	.0	1.5
5	.0	.0	.2	.8	1.3	.9	.0	.0	17	.0	3.2
4	.0	.0	.9	1.3	2.3	.4	.2	.0	27	.0	5.1
3	.0	.0	.2	1.3	1.7	.2	.2	.0	19	.2	3.4
2	.0	.0	.6	1.7	1.3	.9	.0	.0	24	.0	4.5
1	.0	.0	1.3	5.1	1.5	.4	.0	.0	44	.0	8.3
0	.0	.0	2.7	4.7	.9	1.1	.0	.2	51	.0	9.7
-1	.0	.0	3.8	3.4	1.9	.2	.0	.0	49	.0	9.3
-2	.0	.4	2.7	4.0	.8	.4	.0	.0	43	.2	8.0
-3	.0	1.1	2.8	2.7	.8	.4	.0	.0	41	.4	7.4
-4	.2	1.7	4.2	3.0	.9	.6	.0	.0	56	.0	10.6
-5	.0	1.9	3.0	3.2	.0	.0	.0	.0	43	.0	8.1
-6	.2	.9	2.7	1.9	.4	.0	.0	.0	32	.2	5.9
-7/-8	.0	.8	2.7	1.5	.4	.0	.0	.0	28	.2	5.1
-9/-10	.0	.4	1.5	1.1	.0	.0	.0	.0	16	.0	3.0
-11/-13	.0	.0	.8	.6	.0	.0	.0	.0	7	.0	1.3
-14/-16	.0	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2	38	160	194	83	37	6	8	528	6	522
PCT	.4	7.2	30.3	36.7	15.7	7.0	1.1	1.5	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	.0	.0	1.6
1-2	.0	2.0	2.1	.0	.0	.0	4.1
3-4	.0	3.5	6.9	.0	.0	.0	10.5
5-6	.0	.0	5.1	.5	.0	.0	5.7
7	.0	.0	.5	1.1	.0	.0	1.6
8-9	.0	.0	.5	1.6	.0	.0	2.1
10-11	.0	.0	.7	.7	.0	.0	1.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.7	.0	.0	.7
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.3	16.0	4.6	.0	.0	27.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9
1-2	.0	1.6	.7	.0	.0	.0	2.3
3-4	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	2.3	.0	.0	.0	4.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	.0	2.1	.0	.0	.0	.0	2.1
3-4	.0	.0	2.3	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.1	2.3	.7	.0	.0	7.1

PERIOD: (OVER-ALL) 1963-1979 TABLE 18 (CONT'D) AREA 0001 GULF OF CALIFORNIA 25.0N 110.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.0
1-2	.0	4.4	.6	.0	.0	.0	4.4
3-4	.0	.0	.5	.0	.0	.0	.5
5-6	.0	.6	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-46	.0	.0	.0	.0	.0	.0	.0
47-68	.0	.0	.0	.0	.0	.0	.0
69-68	.0	.0	.0	.0	.0	.0	.0
61-78	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	1.1	.0	.0	.0	5.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.6	.7	.0	.0	.0	.7
5-6	.0	.6	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-46	.0	.0	.0	.0	.0	.0	.0
47-68	.0	.0	.0	.0	.0	.0	.0
69-68	.0	.0	.0	.0	.0	.0	.0
61-78	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	.9	.0	.0	.0	2.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	.5	.0	.0	.0	.0	.5
3-4	.0	.6	.5	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.6	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.6	.0	.0	.0	.0	.0
17-19	.0	.6	.0	.0	.3	.6	.3
20-22	.0	.6	.0	.0	.2	.0	.2
23-25	.0	.6	.0	.0	.3	.6	.3
26-32	.0	.0	.0	.0	.0	.0	.0
33-46	.0	.0	.0	.0	.0	.0	.0
47-68	.0	.0	.0	.0	.0	.0	.0
69-68	.0	.6	.0	.0	.0	.0	.0
61-78	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.6	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	.5	.0	.0	.0	1.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.7	.0	.0	.0	1.8
1-2	.0	11.1	6.4	.0	.0	.0	17.7
3-4	.0	7.1	4.0	1.4	.0	.0	11.5
5-6	.0	.0	4.1	2.1	.0	.0	6.4
7	.0	.0	1.0	1.1	.0	.0	4.1
8-9	.0	.0	.4	2.0	.0	.0	2.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.3	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-46	.0	.0	.0	.0	.0	.0	.0
47-68	.0	.0	.0	.0	.0	.0	.0
69-68	.0	.0	.0	.0	.0	.0	.0
61-78	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	19.5	23.0	6.7	.0	.0	99.1

TOTAL PCT: 99.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.0	7.1	.7	.0	.0	.0	12.8	
1-2	.0	29.1	6.2	.0	.0	.0	35.3	
3-4	.0	5.7	20.6	1.4	.0	.0	27.7	
5-6	.0	.0	8.9	2.8	.0	.0	12.0	
7	.0	.0	3.5	2.8	.0	.0	6.4	
8-9	.0	.0	1.4	3.5	.0	.0	5.0	
10-11	.0	.0	.7	.7	.0	.0	1.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.7	.0	.0	.7	
17-19	.0	.3	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-47	.0	.0	.0	.0	.0	.0	.0	
47-68	.0	.0	.0	.0	.0	.0	.0	
69-68	.0	.0	.0	.0	.0	.0	.0	
61-78	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.0	36.9	44.1	12.1	.7	.0	100.0	141

PERIOD: (OVER-ALL) 1963-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-46	47-68	69-68	61-78	71-86	87+	TOTAL	MEAN HGT
<6	0.6	29.9	28.8	7.6	3.8	3.6	.6	.6	.2	.6	.0	.0	.0	.6	.0	.0	.0	.0	.6	51.6	3
6-7	.0	.0	9.8	5.5	2.3	1.1	.6	.2	.2	.0	.0	.0	.0	.6	.6	.0	.0	.0	.0	8.9	5
8-9	.0	.0	.6	.6	.6	.2	.0	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.6	.0	11	5
10-11	.0	.6	.0	.0	.6	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	6
12-13	.0	.0	1.3	1.5	.6	.0	.0	.6	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	20	6
114	.0	.0	.0	.2	.2	.2	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	1	7
INDEF	9.6	.6	1.1	.2	1.1	.0	.0	.6	.6	.2	.6	.0	.0	.0	.0	.0	.6	.0	.0	14	7
TOTAL	84	123	191	73	57	25	9	9	5	3	2	0	0	0	0	0	0	0	0	671	6
PCT	13.5	26.6	27.7	15.6	9.8	5.3	1.9	.8	.8	.3	.9	.6	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY: 1957-1970
(OVER-ALL: 1881-1970

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	9.8	.6		92.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0		87.5
E	.0	.0	.0	.0	.0	.0	.0	.0	21.7	.0	8.7	.0	8.7	.0		60.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	13.3	.0	.0	.0		80.0
S	3.6	.0	.0	.0	.0	.0	.0	3.6	.0	5.1	.0	.0	.0	.0		91.1
SW	2.2	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0		97.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	.0	.0	.0	.0		92.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.0	2.9	.1		95.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0		91.3
TOT PCT	.2	.0	.0	.0	.0	.0	.0	.6	.9	.9	.9	.0	3.9	.2		92.7
TOT OBS:	467															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.7	.0	.7	.0	.0	.0	.0	1.5	.7	.0	.0	.0	6.6	.0		91.2
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	6.5	.0		92.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	1.7	.0		96.9
18&21	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	2.5	.0	1.0	1.0		92.5
TOT PCT	.2	.0	.0	.0	.0	.0	.0	.6	1.1	.9	.9	.0	5.0	.7		92.5
TOT OBS:	469															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-1	2-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	7.1	9.0	8.0	2.7	.5	.0		23.0	13.0	30.1	21.2	25.6	25.0	20.6	17.9	16.1	62.5
NE	.6	.6	.5	.0	.0	.0		1.6	9.0	5.2	5.8	2.1	.0	.0	.0	.9	25.0
E	.6	1.6	.2	.0	.0	.0		2.2	6.6	5.7	.0	1.5	.0	1.6	.0	2.7	.0
SE	.5	1.0	.0	.0	.0	.0		2.2	6.9	6.3	.0	.6	.0	1.0	7.1	2.6	.0
S	1.1	1.0	.6	.0	.0	.0		3.5	6.1	6.9	9.6	6.8	.0	2.0	.0	9.1	.0
SW	.9	1.7	.6	.0	.0	.0		3.0	6.3	2.2	5.8	2.5	.0	5.2	.0	2.7	.0
W	.3	3.5	1.6	.3	.0	.0		5.6	9.8	6.6	.0	5.2	25.0	6.3	.0	7.0	.0
NW	3.5	15.2	20.8	5.7	1.2	.0		50.8	13.7	38.6	51.9	60.6	50.0	50.0	53.6	50.0	12.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.9							8.9	.0	8.8	7.7	13.1	.0	8.7	21.4	6.2	.0
TOT OBS	110	220	200	54	11	0	651		11.2	167	15	120	4	126	14	225	7
TOT PCT	16.1	35.0	30.9	8.7	1.7	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	5.6	10.4	5.0	1.2	.0		23.0	13.0	29.9	25.6	23.0	16.5	
NE	.7	.6	.3	.0	.0		1.6	9.0	5.3	2.0	.0	.6	
E	1.3	.7	.2	.0	.0		2.2	6.6	3.6	1.6	1.3	2.2	
SE	1.0	.6	.0	.0	.0		2.2	6.9	5.9	.6	1.6	2.6	
S	2.6	1.1	.0	.0	.0		3.5	6.1	6.7	6.6	1.0	3.1	
SW	2.0	1.0	.0	.0	.0		3.0	6.3	2.5	2.6	6.6	2.6	
W	2.1	3.3	.3	.2	.0		5.6	9.8	6.6	5.0	5.7	6.6	
NW	8.6	25.7	12.3	1.1	.0		48.8	13.7	38.5	60.8	51.1	48.5	
VAR	.6	.0	.0	.0	.0		.6	.0	.6	.0	.0	.0	
CALM	8.9						8.9	.0	8.8	12.9	10.0	6.2	
TOT OBS	219	280	121	29	0	651		11.2	168	176	160	227	
TOT PCT	33.6	43.0	18.9	4.5	.0		100.0		100.0	150.0	100.0	100.0	

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1951-1979

AREA 0803 GULF OF CALIFORNIA
25.0N 110.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.8	10.6	31.3	39.4	8.1	1.9	.0	11.2	100.0	160
06&09	12.9	7.3	38.7	35.5	4.8	.8	.0	10.2	100.0	124
12&15	10.0	9.3	36.4	33.6	8.6	2.1	.0	11.1	100.0	140
18&21	6.2	9.3	36.8	37.0	10.1	1.8	.0	11.7	100.0	227
TOT	58	68	228	248	54	11	0	11.2		651
PCT	8.9	9.2	35.0	36.9	8.3	1.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	16.1	5.8	2.7	2.7		2.2
NE	.5	.1	.8	.0		3.0
E	.8	.2	.8	.6		4.6
SE	.6	.5	.1	.5		3.7
S	1.9	.2	1.5	.6		3.0
SW	1.1	.7	.6	.3		3.1
W	2.5	1.0	1.6	.6		3.3
NW	20.5	8.2	7.4	2.0		2.3
VAR	.0	.0	.0	.0		.0
CALM	5.6	.7	2.8	.7		2.7
TOT OBS	240	67	79	37	412	2.5
TOT PCT	57.6	16.5	18.1	8.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HM >0/0) AND OCCURRENCE OF 8M <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 8000+	8M <5/8 8M+ M&T	TOTAL OBS
N	.0	.0	.2	1.0	.6	.0	.5	.2	.2	.1	21.1
NE	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	1.0
E	.2	.0	.0	.0	.0	.6	.2	.0	.0	.2	1.6
SE	.0	.0	.0	.2	.0	.1	.0	.0	.0	.1	1.3
S	.0	.0	.0	.2	.2	.6	.2	.2	.0	.0	3.1
SW	.0	.0	.0	.1	.1	.0	.3	.0	.0	.0	2.3
W	.0	.2	.0	.2	.5	.2	.0	.2	.0	.0	4.5
NW	.2	.0	.2	.6	.0	.6	.7	.5	.5	.6	42.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.2	.5	.0	.0	.7	.0	.0	7.6
TOT OBS	2	1	2	11	11	16	8	8	3	5	345
TOT PCT	.5	.2	.5	2.5	2.5	3.7	1.9	1.9	.7	1.2	80.5

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HM >0/8) AND VSBY (KM)

CEILING (FEET)	VSBY (KM) : 00 >10	: 00 >5	: 00 >2	: 00 >1	: 00 >1/2	: 00 >1/4	: 00 >0/0	: 00 M
: 00 >500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: 00 >1000	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
: 00 >1500	5.8	5.1	5.3	5.3	5.3	5.3	5.3	5.3
: 00 >2000	8.1	8.8	9.0	9.0	9.0	9.0	9.0	9.0
: 00 >3000	10.4	11.3	11.5	11.5	11.5	11.5	11.5	11.5
: 00 >600	12.2	13.4	14.1	14.1	14.1	14.1	14.1	14.1
: 00 >100	12.7	14.3	14.5	14.5	14.5	14.5	14.5	14.5
: 00 >150	12.9	14.5	14.8	14.8	14.8	14.8	14.8	14.8
: 00 > 0	13.2	14.8	15.0	15.0	15.0	15.0	15.2	15.2
TOTAL	57	66	69	69	69	69	66	66

TOTAL NUMBER OF OBS 431 PCT FREQ 8M <5/8 80.0

TABLE 10

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
60.0	10.5	11.0	7.1	5.0	2.7	2.7	5.0	5.1	.2	000

PERIOD: (PRIMARY) 1957-1976 AREA 0003 GULF OF CALIFORNIA
(OVER-ALL) 1951-1976 25.0N 110.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WIND (KNOTS)		N	NE	E	SE	S	SW	W	NW	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.2	.0	.2	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.2	.0	.2	.0	.0	.0	.0	.0	.0	.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.2	.4	
	TOT %	.2	.0	.0	.0	.0	.0	.0	.0	.2	.4	
	PCP	.2	.0	.0	.0	.2	.1	.0	.0	.0	.4	
5<10	NO PCP	1.5	.1	.0	.0	.2	.0	.4	1.9	.0	1.9	5.0
	TOT %	2.1	.1	.0	.0	.4	.1	.4	1.9	.0	1.9	6.7
	PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
10+	NO PCP	22.8	1.7	2.1	1.6	1.9	2.4	4.8	44.9	.0	8.4	92.7
	TOT %	23.0	1.9	2.1	1.6	1.9	2.4	4.8	44.9	.0	8.4	92.9
	TOT OBS											466
	TOT PCT	25.4	1.9	2.4	1.6	4.2	2.4	5.1	46.8	.0	8.4	100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

WIND (KNOTS)	SPD (KTS)	N	NE	E	SE	S	SW	W	NW	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.2	.0	.0	.0	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	4-10	.4	.0	.0	.0	.0	.0	.1	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.0	.0	.0	.0	.0	.1	.0	.2	.4	
	0-3	.0	.0	.0	.0	.1	.0	.2	.0	.0	1.3	1.7
5<10	4-10	1.2	.0	.0	.0	.2	.1	.0	.4	.0		2.1
	11-21	.0	.1	.0	.0	.0	.0	.2	1.0	.0		1.4
	22+	.2	.0	.0	.0	.0	.0	.0	.0	.0		.2
	TOT %	2.1	.1	.0	.0	.4	.1	.4	1.4	.0	1.3	6.1
	0-3	1.0	.5	.2	.2	1.1	.4	.2	2.7	.0	8.2	15.4
10+	4-10	8.4	.5	1.0	1.4	1.4	1.7	3.0	13.5	.0		32.1
	11-21	9.1	.7	.2	.0	.4	.1	1.7	23.4	.0		36.6
	22+	3.4	.2	.0	.0	.0	.0	.2	5.1	.0		8.7
	TOT %	23.0	1.4	1.2	1.4	1.8	2.4	5.0	44.7	.0	8.2	92.8
	TOT OBS											471
	TOT PCT	25.7	1.7	2.4	1.4	4.2	2.4	5.4	46.7	.0	8.4	100.0

FEBRUARY

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1951-1979

AREA 0003 GULF OF CALIFORNIA
25.0N 110.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.1	3.9	5.4	3.1	2.3	1.6	.8	20.2	79.8	129
06&09	.0	.9	1.9	.9	.0	2.8	.9	.9	.0	2.8	11.2	88.8	107
12&15	.0	.0	.0	3.8	2.9	1.9	1.0	.0	1.0	1.0	11.4	88.6	105
18&21	2.0	.0	.0	2.0	5.0	4.0	2.0	4.0	.0	.0	16.8	83.2	101
TOT	2	1	2	11	11	16	6	8	3	5	67	375	442
PCT	.5	.2	.5	2.5	2.5	3.6	1.0	1.8	.7	1.1	15.2	84.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	5.8	94.2	137
06&09	.0	.0	.0	.9	7.9	91.2	114
12&15	.0	.0	.0	1.7	8.2	90.1	119
18&21	1.9	.0	.0	.0	6.6	91.5	106
TOT	2	0	0	3	29	402	476
PCT	.4	.0	.0	.6	6.1	92.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	3.2	17.6	79.2	125
06&09	.0	2.9	4.8	6.7	88.6	105
12&15	.0	.0	5.8	7.8	86.4	103
18&21	2.0	2.0	4.0	12.0	84.0	100
TOT	2	5	19	49	365	433
PCT	.5	1.2	4.4	11.3	84.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	.2	.2	.0	2	.5
75/79	.0	.0	.0	.7	.9	1.1	.5	.0	14	3.2
70/74	.0	.0	.7	2.3	7.2	5.6	3.6	1.8	95	21.4
65/69	.0	.0	1.1	1.6	5.9	13.1	13.3	6.1	182	41.1
60/64	.0	.0	.2	1.6	5.6	9.5	9.3	5.0	138	31.2
55/59	.0	.0	.0	.2	.9	.7	.5	.5	12	2.7
TOTAL	0	0	9	28	91	134	122	59	443	100.0
PCT	.0	.0	2.0	6.3	20.5	30.2	27.5	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.0	.0	.0	.0	.0	.0	.2	.0	.0
.8	.0	.0	.0	.0	.0	.2	1.2	.0	.9
4.5	.9	1.8	.6	1.2	.7	1.4	9.7	.0	2.0
10.7	.3	1.2	1.1	1.6	.8	2.7	10.8	.0	3.8
9.8	.8	.0	.0	.6	.8	.6	16.7	.0	2.5
1.0	.0	.0	.0	.0	.2	.4	.9	.0	.2
26.2	1.5	2.2	1.6	3.6	2.5	5.2	47.6	.0	9.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	50%	10%	MIN	MEAN	TOTAL OBS
00&03	80	79	77	68	61	59	58	68.4	157
06&09	73	72	70	65	60	58	57	65.1	126
12&15	73	72	71	66	59	56	56	64.5	140
18&21	80	78	74	67	61	59	57	67.4	226
TOT	80	78	74	66	60	58	56	66.6	649

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-.00	MEAN	TOTAL OBS
00&03	.0	8.3	25.8	32.5	19.2	14.2	75	120
06&09	.0	2.7	16.4	36.4	32.7	11.8	78	110
12&15	.0	6.9	12.9	29.3	33.6	17.2	78	116
18&21	.0	16.0	28.0	23.0	24.0	9.0	72	100
TOT	0	37	92	136	122	59	76	446

FEBRUARY

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.2	.0	.0	.2	2	.0	.4
11/13	.0	.0	.0	.0	.4	.2	.7	6	.0	1.3
9/10	.0	.0	.0	.2	1.1	1.8	.7	17	.0	3.7
7/8	.0	.0	.2	.2	1.1	.2	.4	10	.0	2.2
6	.0	.0	.0	.2	1.1	.4	.0	8	.0	1.8
5	.0	.0	.0	.2	1.3	1.3	.0	13	.0	2.9
4	.0	.0	.2	1.1	2.6	.4	.0	20	.2	4.2
3	.0	.0	.4	2.6	1.3	.9	.0	24	.0	5.3
2	.0	.0	.4	2.9	1.8	.9	.0	27	.0	5.9
1	.0	.2	1.3	2.2	2.4	1.1	.0	33	.0	7.3
0	.0	.2	2.6	4.0	2.2	.4	.2	44	.2	9.5
-1	.0	.0	1.5	4.4	1.3	.7	.0	34	.0	7.5
-2	.0	.9	2.9	4.2	.4	.2	.0	39	.2	8.4
-3	.0	.7	2.0	4.6	.4	.0	.0	35	.0	7.7
-4	.0	.2	4.2	3.7	.2	.0	.2	39	.0	8.6
-5	.2	1.5	5.1	3.1	.9	.0	.0	49	.0	10.8
-6	.0	.7	2.6	.7	.0	.0	.0	16	.2	3.7
-7/-8	.2	1.1	2.4	2.0	.7	.0	.0	29	.0	6.4
-9/-10	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
-11/-13	.0	.0	.9	.2	.0	.0	.0	5	.0	1.1
-14/-16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2	26	123	168	88	36	11	454	4	450
PCT	.4	5.7	27.1	37.0	19.4	7.9	2.4	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.2	.0	.0	.0	.0	4.2
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	8.3	.0	.0	.0	8.3
5-6	.0	.0	2.9	3.8	1.9	.0	8.7
7	.0	.0	4.8	2.9	.0	.0	7.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	16.0	6.7	1.9	.0	29.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.0	.0	.0	.0	.0	1.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	.0	.0	.0	.0	.2

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	2.2	.0	.0	.0	4.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	.3	.0	.0	.0	1.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	1.9	1.3	.0	.0	.0	3.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	1.3	.0	.0	.0	4.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	6.1	.0	.0	.0	.0	6.1
1-2	1.3	1.6	7.7	.0	.0	.0	10.6
3-4	.0	4.5	9.6	.0	.0	.0	14.1
5-6	.0	.0	1.0	1.3	1.9	.0	4.2
7	.0	.0	5.4	3.5	.0	.0	9.0
8-9	.0	.0	.0	1.3	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	12.2	23.7	6.1	1.9	.0	45.2

HGT	TOTAL PCT
<1	
1-2	
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	88.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.5	10.3	.0	.0	.0	.0	21.8	
1-2	1.3	10.3	7.7	.0	.0	.0	19.2	
3-4	.0	6.4	21.8	.0	.0	.0	28.2	
5-6	.0	.0	3.8	5.1	3.8	.0	12.8	
7	.0	.0	10.3	6.4	.0	.0	16.7	
8-9	.0	.0	.0	1.3	.0	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.8	26.9	43.6	12.8	3.8	.0	100.0	78

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.3	18.5	20.8	9.8	5.8	1.5	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	262	3
6-7	.3	9.5	1.8	3.5	1.5	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	4
8-9	.3	2.5	.5	.5	.8	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
10-11	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
12-13	.0	.0	.5	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	.3	.0	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	10
INDET	12.0	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	0
TOTAL	83	108	96	57	33	10	8	2	3	0	0	0	0	0	0	0	0	0	0	480	3
PCT	20.8	27.0	24.0	14.3	8.3	2.5	2.0	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	6.6	.0	.0	93.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	98.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	11.3	.0	.0	84.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	4.3	.0	.0	87.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	3.3	.0	.0	94.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	99.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	98.0
NW	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.6	.0	3.0	.0	.0	96.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	.0	94.0
TOT PCT	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	1.0	.0	3.9	.0	.0	95.0
TOT OBS:	717															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	5.7	.0	.0	93.8
06&09	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.6	.0	2.3	.0	.0	96.5
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.1	.0	.0	95.9
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	4.0	.0	.0	94.2
TOT PCT	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	1.0	.0	3.8	.0	.0	95.1
TOT OBS:	752															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.5	7.9	5.8	1.8	.2	.0		18.2	11.1	27.8	66.7	17.3	.0	15.5	15.0	14.0	17.5
NE	.3	1.5	.3	.0	.0	.0		2.0	7.5	3.2	.0	1.9	.0	2.7	.0	1.1	12.5
E	1.5	1.6	.1	.0	.0	.0		3.2	5.0	6.1	.0	3.9	.0	1.6	.0	2.6	.0
SE	.9	1.9	.6	.0	.0	.0		3.4	6.6	6.7	.0	6.6	.0	.3	.0	4.0	.0
S	1.2	2.3	.4	.0	.0	.0		4.0	5.7	3.3	.0	3.3	.0	6.3	.0	6.7	.0
SW	.8	3.3	1.5	.1	.0	.0		5.8	8.3	3.1	.0	6.1	.0	6.9	.0	6.9	.0
W	2.2	7.1	1.9	.1	.0	.0		11.2	7.6	6.1	.0	10.1	.0	15.9	20.0	17.0	.0
NW	3.1	10.2	15.1	2.5	.7	.0		30.6	11.6	35.1	33.3	35.0	.0	30.7	25.0	44.9	50.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.7							12.7	.0	10.6	.0	17.0	.0	13.6	40.0	10.0	.0
TOT OBS	219	378	222	39	6	0	866		8.7	188	3	169	0	184	10	510	2
TOT PCT	25.3	43.6	25.6	4.5	.9	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 1	18 21
N	6.6	7.7	5.2	.7	.0		18.2	11.1	28.4	17.3	15.5	16.1
NE	1.0	.9	.9	.0	.0		2.0	7.5	3.1	1.9	2.1	1.2
E	2.1	1.1	.0	.0	.0		3.2	5.0	6.0	3.9	1.9	2.4
SE	2.4	.9	.1	.0	.0		3.4	6.6	6.6	6.6	.7	6.0
S	2.6	1.2	.1	.0	.0		4.0	5.7	3.3	3.3	4.1	6.6
SW	2.5	3.1	.2	.0	.0		5.8	8.3	3.0	6.1	6.6	6.8
W	5.8	4.7	.7	.0	.0		11.2	7.6	6.0	10.1	16.1	11.9
NW	10.3	21.6	6.7	1.0	.0		39.6	11.6	35.1	35.0	30.9	45.0
VAR	.0	.6	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	12.7						12.7	.0	10.5	17.0	10.5	9.9
TOT OBS	398	357	96	15	0	866		8.7	191	169	194	312
TOT PCT	46.0	41.2	11.1	1.7	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	10.5	11.0	39.8	31.9	6.3	.5	.0	9.6	100.0	191
06&09	17.8	9.5	44.4	23.1	4.7	.6	.0	8.4	100.0	169
12&15	14.9	10.8	42.8	25.8	4.6	1.0	.0	8.9	100.0	194
18&21	9.9	16.3	46.2	23.1	3.2	1.3	.0	8.2	100.0	312
TOT	110	109	378	222	39	8	0	8.7		866
PCT	12.7	12.6	43.6	25.6	4.5	.9	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	12.8	2.8	3.0	1.1		2.1
NE	1.1	.4	.8	*		3.0
E	1.6	.6	.9	.3		3.1
SE	1.8	.9	.4	.2		2.1
S	2.0	.8	.7	.5		2.9
SW	2.5	1.1	1.0	1.0		3.4
W	6.0	2.0	1.3	.9		2.4
NW	21.5	5.6	7.4	3.3		2.6
VAR	.0	.0	.0	.0		.0
CALM	7.3	2.9	3.3	.2		2.4
TOT OBS	347	106	115	45	613	2.5
TOT PCT	56.6	17.3	18.8	7.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
.0	.0	.1	.4	1.1	.2	.7	.1	.2	.2	16.6	
.0	.0	.0	.2	.2	.0	.2	.0	.0	.2	1.7	
.2	.0	.0	.0	.2	.2	.0	.0	.0	.2	2.8	
.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	2.9	
.0	.0	.0	.2	.2	.0	.3	.0	.0	.2	3.2	
.2	.0	.0	.3	.3	.7	.1	.0	.2	.0	5.8	
.0	.0	.0	.3	.3	.1	.1	.0	.0	.0	9.3	
.2	.0	*	.7	1.8	1.8	1.2	.4	.5	.0	31.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.2	.0	.2	.8	.3	.3	.0	.2	.0	.0	11.7	
5	0	2	18	27	20	16	5	5	4	511	613
.8	.0	.3	2.9	4.4	3.3	2.6	.8	.8	.7	83.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >5000	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
: OR >3500	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8
: OR >2000	6.6	8.2	8.2	8.2	8.2	8.2	8.2	8.2
: OR >1000	10.2	12.3	12.6	12.6	12.6	12.6	12.6	12.6
: OR >600	12.3	14.7	15.2	15.2	15.2	15.2	15.2	15.2
: OR >300	12.6	15.0	15.5	15.5	15.5	15.5	15.5	15.5
: OR >150	12.6	15.0	15.5	15.5	15.5	15.5	15.5	15.5
: OR > 0	12.6	15.3	15.8	15.8	16.0	16.2	16.3	16.3
TOTAL	78	95	98	98	99	100	101	101

TOTAL NUMBER OF OBS: 619

PCT FREQ HH <5/8: 83.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
55.7	10.7	7.2	7.7	4.9	4.6	4.4	3.5	3.5	.9	617

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.1	.0	.0	.0	.1	*	.2	.5	.0	.0	1.0	
	TOT %	.1	.0	.0	.0	.1	*	.2	.5	.0	.0	1.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	NO PCP	1.6	.0	1.0	.3	.5	1.6	1.0	2.3	.0	2.3	10.6	
	TOT %	1.6	.0	1.0	.3	.5	1.6	1.0	2.3	.0	2.3	10.6	
	PCP	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
10+	NO PCP	17.4	2.0	2.6	2.8	3.6	8.1	8.1	34.8	.0	11.7	88.0	
	TOT %	17.5	2.0	2.6	2.8	3.6	8.1	8.1	34.8	.0	11.7	88.2	
	TOT OBS												709
	TOT PCT	19.2	2.0	3.7	3.2	4.2	9.7	10.3	37.7	.0	14.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.3	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.1	*	.2	.3	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.1	.0	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	.1	.0	.0	.0	.1	*	.2	.5	.0	.0	1.0	
	0-3	.3	.0	.4	*	.1	.0	.0	.0	.0	2.2	3.1	
5<10	4-10	.5	.0	.6	.1	.4	.8	.6	.6	.0		3.8	
	11-21	.6	.0	.0	.0	.0	.7	.4	1.5	.0		3.2	
	22+	.2	.0	.0	.0	.0	.0	.0	.2	.0		.4	
	TOT %	1.6	.0	1.0	.1	.5	1.5	1.0	2.3	.0	2.2	10.5	
	0-3	2.1	.2	1.1	.6	1.0	.6	1.9	2.3	.0	11.6	21.4	
10+	4-10	7.8	1.4	1.3	1.8	2.1	2.6	5.7	16.0	.0		38.8	
	11-21	5.6	.4	.1	.4	.4	.8	1.0	13.7	.0		22.8	
	22+	1.9	.0	.0	.0	.0	.1	.0	2.8	.0		4.9	
	TOT %	17.5	2.0	2.6	2.8	3.5	9.1	9.0	34.9	.0	11.6	88.0	
	TOT OBS												716
	TOT PCT	19.1	2.0	3.7	3.2	4.2	9.7	10.2	37.8	.0	14.0	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.6	.0	.0	3.5	9.0	2.9	3.5	1.2	1.7	1.7	19.1	80.9	173
06&09	.7	.0	.0	2.6	3.3	2.0	.7	.0	.7	.0	9.9	90.1	151
12&15	.6	.0	.6	3.1	5.0	5.0	3.1	1.3	.6	.0	19.4	80.6	160
18&21	1.3	.0	.7	2.0	9.6	3.3	2.6	.7	.0	.7	15.8	84.2	152
TOT	5	0	2	18	27	21	16	5	5	4	103	533	636
PCT	.8	.0	.3	2.8	4.2	3.3	2.5	.8	.8	.6	16.2	83.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.0	10.4	88.6	193
06&09	.6	.0	.0	1.2	9.9	88.3	171
12&15	.5	.0	.0	1.5	12.9	85.1	194
18&21	.6	.6	.0	.0	8.2	90.6	171
TOT	3	1	0	7	76	642	729
PCT	.4	.1	.0	1.0	10.4	88.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <5DYD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.6	.6	5.3	14.7	80.0	170
06&09	.7	.7	3.5	6.3	90.3	144
12&15	.6	1.9	5.1	15.3	79.6	157
18&21	1.4	2.0	4.1	12.2	83.8	148
TOT	5	8	28	76	515	619
PCT	.8	1.3	4.5	12.3	83.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
80/84	.0	.0	.0	.7	.3	.0	.2	.2	8	1.3
75/79	.0	.3	.8	1.3	2.4	1.3	1.1	.2	46	7.5
70/74	.0	.3	.5	2.4	9.0	8.5	4.7	1.5	165	26.9
65/69	.0	.2	.7	4.2	7.0	11.4	11.1	7.5	258	42.1
60/64	.0	.0	.0	1.5	4.9	6.2	6.4	2.4	131	21.4
55/59	.0	.0	.0	.0	.0	.3	.3	.0	4	.7
TOTAL	0	5	12	62	145	171	146	72	613	100.0
PCT	.0	.8	2.0	10.1	23.7	27.9	23.8	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
.2	.0	.0	.0	.0	.0	.0	.3	.0	.8
1.7	.2	.4	.4	.7	.2	.2	1.9	.0	1.8
5.1	.4	1.9	1.6	1.8	1.5	2.5	8.4	.0	3.8
8.4	.8	1.0	.9	2.0	2.0	4.3	17.5	.0	5.2
5.0	.7	.1	.2	.3	1.8	2.2	8.7	.0	2.3
.0	.2	.0	.0	.0	.0	.2	.3	.0	.0
20.4	2.2	3.4	3.2	4.7	5.6	9.3	37.3	.0	13.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	82	81	79	71	62	61	59	70.8	191
06&09	76	74	72	67	62	60	57	67.0	173
12&15	75	73	70	65	60	58	55	65.6	198
18&21	89	85	80	70	64	61	60	70.6	306
TOT	89	82	77	63	62	60	55	68.8	868

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	20.1	27.7	26.4	17.6	8.2	70	159
06&09	.0	7.4	17.4	27.5	29.5	18.1	77	149
12&15	.0	6.6	18.1	27.1	32.5	15.7	78	166
18&21	.0	18.5	30.5	29.8	15.2	6.0	70	151
TOT	0	82	146	173	149	75	74	625

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	% FOG	#0 FOG
23/25	.0	.0	.0	.0	.2	.2	.0	2	.0	.3
20/22	.0	.0	.0	.3	.0	.0	.0	2	.0	.3
17/19	.0	.0	.0	.2	.0	.0	.2	2	.0	.3
14/16	.0	.0	.0	.3	.2	.2	.3	6	.0	1.0
11/13	.0	.0	.0	.5	.8	.6	.3	14	.0	2.2
9/10	.0	.0	.2	.8	1.1	.6	.5	20	.0	3.2
7/8	.0	.0	.3	1.1	3.2	.5	.0	32	.0	5.1
6	.0	.2	.8	.3	1.3	.2	.0	17	.0	2.7
5	.0	.0	1.3	1.3	1.0	.2	.0	23	.0	3.7
4	.0	.0	.6	2.7	.6	.2	.0	26	.0	4.2
3	.0	.2	1.9	3.6	1.6	.0	.0	41	.0	6.5
2	.0	.6	3.2	2.7	.6	.0	.0	45	.0	7.2
1	.2	1.3	3.5	3.6	.3	.0	.0	54	.2	8.5
0	.2	1.6	5.6	1.9	.3	.2	.0	60	.2	9.6
-1	.0	1.8	2.7	2.2	.0	.0	.0	42	.2	6.5
-2	.5	2.6	4.0	1.9	.5	.0	.0	59	.3	9.1
-3	.2	2.1	1.8	2.4	.2	.0	.0	41	.0	6.5
-4	.3	2.7	2.1	1.4	.2	.0	.0	42	.2	6.5
-5	.3	1.8	2.2	.8	.2	.0	.0	33	.0	5.3
-6	.3	1.6	2.1	.3	.0	.0	.0	26	.0	4.2
-7/-8	.0	2.9	1.0	.3	.0	.0	.0	26	.0	4.2
-9/-10	.0	.6	.2	.3	.0	.0	.0	7	.0	1.1
-11/-13	.2	.3	.2	.0	.0	.0	.0	4	.0	.6
-14/-16	.0	.2	.0	.2	.0	.0	.0	2	.0	.3
TOTAL	13		206		76		8		6	670
		126		100		17		626		
PCT	2.1	20.1	32.9	28.8	12.1	2.7	1.3	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	2.1	.0	.0	.0	.0	3.5
1-2	.8	3.1	2.3	.0	.0	.0	6.2
3-4	.0	3.7	.0	.6	.0	.0	4.3
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	2.1	.6	.0	.0	2.7
8-9	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	8.9	6.2	1.7	.0	.0	19.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	.0	.0	.0	.0	.2
1-2	.8	1.7	.0	.0	.0	.0	1.7
3-4	.8	.8	.0	.0	.0	.0	.8
5-6	.8	.8	.2	.0	.0	.0	.2
7	.0	.8	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.5	.2	.0	.0	.0	2.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.7	1.6	.0	.0	.0	.0	4.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	1.6	.0	.0	.0	.0	4.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	2.3	.0	.0	.0	.0	2.5
1-2	.8	.8	.0	.0	.0	.0	1.6
3-4	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.1	.8	.0	.0	.0	4.8

PERIOD: (OVER-ALL) 1963-1979

MARCH

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.9	.0	.0	.0	.0	3.9
1-2	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.5	2.1	.0	.0	.0	6.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.8	.0	.0	.0	2.3
1-2	.0	.0	.4	.0	.0	.0	.4
3-4	.0	.4	.8	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	1.9	.0	.0	.0	3.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	1.2	.0	.0	.0	.0	2.5
1-2	1.4	2.7	1.4	.0	.0	.0	5.4
3-4	.0	2.7	1.6	.0	.0	.0	4.3
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	6.6	4.8	.0	.0	.0	14.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.4	4.5	.0	.0	.0	.0	4.8	
1-2	.2	6.4	3.9	.0	.0	.0	10.5	
3-4	.0	5.0	2.3	.2	.0	.0	7.6	
5-6	.0	.8	1.9	.8	.0	.0	3.5	
7	.0	.0	.4	.2	.0	.0	.6	
8-9	.0	.0	.0	.2	.0	.0	.2	
10-11	.0	.0	.2	.8	.0	.0	1.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	16.7	8.7	2.1	.0	.0	28.1	83.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	22.3	17.7	.8	.0	.0	.0	40.8	
1-2	3.1	14.6	9.2	.0	.0	.0	26.9	
3-4	.0	13.1	5.4	.8	.0	.0	19.2	
5-6	.0	.8	5.4	.8	.0	.0	6.9	
7	.0	.0	3.1	.8	.0	.0	3.8	
8-9	.0	.0	.0	.8	.0	.0	.8	
10-11	.0	.0	.8	.8	.0	.0	1.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								130
TOT PCT	25.4	46.2	24.6	3.8	.0	.0	100.0	

PERIOD: (OVER-ALL) 1951-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.9	22.4	18.8	6.7	3.5	.5	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	380	3
6-7	.0	3.9	3.5	2.4	1.2	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	69	4
8-9	.2	.2	1.5	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
10-11	.0	.0	.7	.0	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
12-13	.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	.0	.0	.0	.2	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	17.1	.5	.7	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	0
TOTAL	168	180	152	61	37	8	3	2	4	0	0	0	0	0	0	0	0	0	0	595	3
PCT	28.2	26.9	25.5	10.3	6.2	1.3	.5	.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	8.0	.0		90.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	7.5	.0		91.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	8.1	.0		82.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	.0		89.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	2.5	.0	8.9	.0		83.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0		99.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0		96.9
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	3.7	.0		95.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0		93.7
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.0	5.5	.0		93.3
TOT OBS:	613															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	8.0	.0		90.8
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0		96.1
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.6	.0	1.2	.0		97.7
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	9.3	.0		88.7
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.6	.0	5.6	.0		93.3
TOT OBS:	626															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	5.2	5.2	.6	.0	.0		12.9	10.4	16.3	28.6	10.5	.0	12.6	14.1	11.4	.0
NE	.7	1.6	.3	.1	.0	.0		2.7	7.1	1.5	.0	1.8	.0	4.1	6.5	2.8	.7
E	.9	2.5	.1	.0	.0	.0		3.5	5.4	4.4	.0	.8	.0	3.6	2.2	4.7	.0
SE	2.8	5.6	1.0	.0	.0	.0		9.4	6.6	11.0	.0	8.5	50.0	9.0	8.7	8.9	.0
S	1.6	3.8	1.0	.0	.0	.0		6.5	6.7	5.4	28.6	8.1	.0	5.2	4.3	6.8	.0
SW	1.5	3.1	.9	.1	.0	.0		5.5	7.2	5.9	14.3	4.1	.0	2.6	5.4	5.4	.0
W	2.9	7.3	2.3	.4	.0	.0		12.9	7.6	12.7	14.3	12.7	.0	13.6	19.6	12.0	.0
NW	6.2	15.9	10.7	1.8	.0	.0		34.6	9.8	32.1	14.3	32.7	50.0	34.7	34.8	38.0	100.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.1							12.1	.0	10.8	.0	16.7	.0	14.5	4.3	9.9	.0
TOT OBS	204	303	145	20	0	0	672		7.5	166	7	126	2	145	23	202	1
TOT PCT	30.4	45.1	21.6	3.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	9.4	6.8	1.6	.1	.0		12.9	10.4	16.8	10.4	12.8	11.3
NE	1.8	.7	.2	.0	.0		2.7	7.1	1.4	1.8	4.6	2.8
E	2.6	.9	.0	.0	.0		3.5	5.4	4.2	.8	3.4	4.7
SE	5.5	3.7	.1	.0	.0		9.4	6.6	10.5	9.2	8.9	8.9
S	3.9	2.3	.3	.0	.0		6.5	6.7	6.4	8.0	5.1	6.8
SW	2.8	2.5	.3	.0	.0		5.5	7.2	6.2	8.0	5.0	5.4
W	6.7	5.2	.9	.0	.0		12.9	7.6	12.7	12.5	14.4	11.9
NW	14.1	15.5	4.2	.8	.0		34.6	9.8	31.4	33.0	34.7	38.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	12.1						12.1	.0	10.4	16.4	13.1	9.9
TOT OBS	362	253	51	6	0	672		7.5	173	128	168	203
TOT PCT	53.9	37.6	7.6	.9	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.0N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	10.4	19.1	65.7	21.4	3.5	.0	.0	7.8	100.0	173
06&09	16.4	12.5	66.5	25.0	1.6	.0	.0	7.6	100.0	120
12&15	13.1	19.6	67.6	16.7	5.0	.0	.0	6.9	100.0	168
18&21	9.9	20.2	62.9	23.6	3.4	.0	.0	7.8	100.0	201
TOT	81	125	383	145	20	0	0	7.5		672
PCT	12.1	18.3	65.1	21.6	3.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.3	2.1	2.1	.4		2.0
NE	1.6	.0	.7	.0		1.7
E	1.4	.4	1.1	.2		3.7
SE	4.2	1.1	2.3	.6		2.9
S	2.7	1.0	1.5	.0		2.6
SW	2.0	.6	1.1	.4		3.2
W	8.6	1.6	2.6	.5		2.1
NW	23.3	9.0	6.8	1.1		2.1
VAR	.0	.0	.0	.0		.0
CALM	11.4	1.2	2.0	.0		1.3
TOT OBS	317	60	99	16	492	2.2
TOT PCT	64.4	12.2	20.1	3.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.4	.2	.2	.2	.2	.0	12.9	
NE	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	2.0	
E	.2	.0	.0	.0	.6	.0	.0	.0	.0	.0	2.1	
SE	.0	.0	.0	.2	.7	.0	.4	.2	.1	.0	6.6	
S	.0	.0	.0	.0	.2	.0	.0	.2	.3	.0	4.5	
SW	.0	.0	.0	.0	.6	.1	.2	.0	.0	.0	3.4	
W	.0	.0	.0	.0	.2	.5	.4	.3	.2	.0	11.7	
NW	.0	.0	.2	.6	.9	.8	1.2	.6	.1	.6	30.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.4	.2	.0	.4	.0	13.6	
TOT OBS	1	0	1	4	18	10	13	7	6	3	429	492
TOT PCT	.2	.0	.2	.8	3.7	2.0	2.6	1.4	1.2	.6	87.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5040	: OR >0
: OR >6500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
: OR >5000	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
: OR >3500	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
: OR >2000	7.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6
: OR >1000	10.0	11.4	11.4	11.4	11.4	11.4	11.4	11.4
: OR >600	11.0	12.4	12.4	12.4	12.4	12.4	12.4	12.4
: OR >300	11.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6
: OR >150	11.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6
: OR > 0	11.2	12.6	12.6	12.6	12.6	12.6	12.8	12.8
TOTAL	56	63	63	63	63	63	64	64

TOTAL NUMBER OF OBS: 500 PCT FREQ HH <5/8: 87.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
57.2	8.9	9.1	7.6	4.5	2.5	4.1	3.9	1.9	.2	514

PERIOD: (PRIMARY) 1950-1979 AREA 0003 GULF OF CALIFORNIA
(OVER-ALL) 1881-1979 TABLE 8 29.0N 110.5W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.1	.1	.6	1.6	2.5	1.1	1.7	1.4	.0	.2	12.4	
	TOT %	1.1	.1	.6	1.6	2.5	1.1	1.7	1.4	.0	.2	12.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	12.6	2.5	2.3	7.1	7.9	4.4	11.2	10.5	.0	12.8	87.6	
	TOT %	12.6	2.5	2.3	7.1	7.9	4.4	11.2	10.5	.0	12.8	87.6	
TOT OBS													609
TOT PCT		13.8	2.8	3.0	8.7	6.5	5.5	12.9	11.9	.0	13.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.2	.0	.2	.3	.7	.2	.2	.7	.0	.2	2.6	
	4-10	.1	.2	.4	1.3	1.4	.9	.9	1.5	.0		6.7	
	11-21	.7	.1	.0	.0	.5	*	.4	1.1	.0		2.8	
	22+	.1	.0	.0	.0	.0	*	.1	*	.0		.3	
	TOT %	1.1	.3	.6	1.6	2.5	1.1	1.7	3.4	.0	.2	12.4	
10+	0-3	1.8	.7	.5	1.9	.8	1.1	2.6	5.0	.0	12.8	27.2	
	4-10	5.4	1.4	1.7	4.2	2.5	2.3	6.2	19.5	.0		38.1	
	11-21	4.8	.2	.2	1.1	.7	.9	2.1	9.5	.0		19.5	
	22+	.5	.2	.0	.0	.0	*	.3	1.6	.0		2.6	
	TOT %	12.6	2.5	2.3	7.2	3.9	4.3	11.2	30.6	.0	12.8	87.4	
TOT OBS													611
TOT PCT		13.7	2.7	3.0	8.8	6.5	5.5	12.8	34.0	.0	12.9	100.0	

PERIOD: (PRIMARY) 1950-1979
(DECD-ALL) 1881-1979

AREA 0005 GULF OF CALIFORNIA
25.0N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NN >4/8) AND OCCURRENCE OF NN <5/8 BY HOUR

HOUR (GMT)	000 199	150 299	300 499	500 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NN <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.5	2.8	1.4	2.1	2.1	2.8	.0	14.6	85.4	144
06&09	.0	.0	.0	.0	5.6	3.6	3.6	.0	.0	.0	10.7	89.3	112
12&15	.0	.0	.0	.0	3.9	1.6	5.1	1.6	.8	.0	10.9	89.1	128
18&21	.8	.0	.0	.0	4.6	1.5	1.5	1.5	.8	2.3	13.8	86.2	130
TOT	1	0	1	5	19	10	11	7	6	3	65	409	514
PCT	.2	.0	.2	1.0	3.7	1.9	2.5	1.4	1.2	.6	12.6	87.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	9.7	90.3	175
06&09	.0	.0	.0	.0	7.9	92.1	127
12&15	.0	.0	.0	.0	19.7	80.3	173
18&21	.7	.0	.0	.0	12.7	86.7	150
TOT	1	0	0	0	80	544	625
PCT	.2	.0	.0	.0	12.8	87.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NN >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ ANDS+	NN <5/8 AND S+	TOTAL OBS
00&03	.0	.0	3.5	11.7	85.2	142
06&09	.0	.0	.0	11.1	88.9	108
12&15	.0	.0	.0	11.3	88.7	124
18&21	.8	1.6	1.6	11.9	86.5	126
TOT	1	2	7	57	436	500
PCT	.2	.4	1.4	11.4	87.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.2	.0	.0	.2	.0	.0	.0	2	.4
80/84	.0	.2	.6	1.7	1.7	1.5	.2	.4	30	6.3
75/79	.0	.2	1.3	2.4	3.1	6.5	2.5	.4	79	16.5
70/74	.0	.0	.6	3.1	9.0	8.4	11.0	8.1	195	40.6
65/69	.0	.0	.0	.6	6.5	7.1	8.5	4.2	129	26.9
60/64	.0	.0	.0	.6	1.3	1.7	2.7	1.5	37	7.7
55/59	.0	.0	.0	.0	.0	.2	1.3	.2	8	1.7
TOTAL	0	3	12	41	106	122	126	72	480	100.0
PCT	.0	.6	2.5	8.5	21.7	25.4	26.3	15.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.0	.0	.0	.0	.0	.2	.0	.0	.0
.3	.3	.5	.8	.5	.3	1.0	.9	.0	1.7
2.8	.2	.7	2.9	.7	.8	1.6	4.6	.0	2.5
5.4	1.3	1.7	3.8	2.7	1.9	4.6	12.9	.0	6.5
4.4	.8	.2	1.4	.9	1.3	3.9	12.0	.0	2.1
1.8	.4	.2	.3	.0	.3	.5	4.1	.0	.2
.2	.0	.0	.0	.0	.0	.2	1.4	.0	.0
15.1	2.9	3.2	9.2	4.7	4.2	12.0	35.9	.0	12.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	86	82	74	64	59	58	74.3	176
06&09	77	76	75	70	63	59	59	69.5	131
12&15	77	75	74	69	61	58	56	68.4	174
18&21	88	87	82	73	64	60	58	73.1	200
TOT	89	84	80	71	63	59	56	71.5	681

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	16.4	28.8	27.2	15.2	10.4	71	125
06&09	.0	3.5	15.7	20.9	39.1	20.9	80	115
12&15	.0	10.5	12.9	21.8	31.5	23.4	78	124
18&21	.0	13.6	28.0	32.0	19.2	7.2	72	125
TOT	0	57	105	125	127	75	75	489

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.2	.7	.3	7	.0	1.2
11/13	.0	.0	.0	.2	.0	.3	1.0	.2	.2	11	.0	1.8
9/10	.0	.0	.0	.0	.2	.4	.7	.3	.0	10	.0	1.7
7/8	.0	.0	.0	.3	.2	1.2	1.8	.8	.0	26	.0	4.3
6	.0	.0	.0	.2	.3	.7	1.0	1.0	.0	19	.0	3.2
5	.0	.0	.0	.3	1.2	2.0	1.7	.0	.0	31	.0	5.1
4	.0	.0	.2	.8	1.0	3.0	1.3	.2	.0	39	.2	6.3
3	.0	.2	.0	1.0	1.2	2.8	1.2	.3	.0	40	.0	6.6
2	.0	.0	.2	.5	2.8	3.3	1.7	.0	.0	51	.0	8.5
1	.0	.0	.7	.7	2.2	3.5	.3	.0	.0	44	.0	7.3
0	.0	.0	.8	1.2	5.8	1.7	.3	.0	.0	57	.0	9.5
-1	.2	.5	.7	1.5	5.0	1.3	.0	.0	.0	55	.2	9.0
-2	.0	.5	.8	2.5	4.2	1.3	.0	.0	.0	56	.2	9.1
-3	.0	.0	.2	2.5	3.3	.2	.0	.0	.0	37	.2	6.0
-4	.0	.3	.8	2.8	3.9	.2	.0	.0	.0	46	.0	7.6
-5	.0	.0	.8	2.5	2.0	.0	.0	.0	.0	32	.0	5.3
-6	.0	.2	.7	1.7	.3	.2	.0	.0	.0	18	.0	3.0
-7/-8	.0	.0	.8	1.5	.3	.0	.0	.0	.0	16	.0	2.7
-9/-10	.0	.0	.2	.2	.0	.2	.0	.0	.0	3	.0	.5
-11/-13	.0	.2	.2	.0	.0	.0	.0	.0	.0	2	.0	.3
TOTAL	1		42		199		69		3		4	598
		11		122		134		21		602		
PCT	.2	1.8	7.0	20.3	33.1	22.3	11.5	3.5	.5	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.5	1.3	.0	.0	.0	5.8
1-2	.0	1.3	1.3	.0	.0	.0	2.6
3-4	.0	2.9	4.2	1.0	.0	.0	8.1
5-6	.0	.0	7.8	.0	.0	.0	7.8
7	.0	.0	.0	1.0	.0	.0	1.0
8-9	.0	1.3	.0	.0	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.1	14.6	1.9	.0	.0	26.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.6	.0	.0	.0	.0	2.9
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	1.3	.0	.0	1.3
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.6	.3	1.3	.0	.0	4.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.0	.0	.0	.0	.0	1.9
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	1.3	.0	.0	.0	.0	1.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.3	.0	.0	.0	.0	4.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.3	.0	.0	.0	.0	.6
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	1.3	3.9	.0	.0	.0	.0	5.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	6.5	.0	.0	.0	.0	8.1

PERIOD: (OVER-ALL) 1963-1979 APRIL AREA 0003 GULF OF CALIFORNIA

TABLE 18 (CONT) 25.6N 110.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	.0	.0	.0	.0	.0	1.0
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.0	1.3	.0	.0	.0	1.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	1.9	1.3	.0	.0	.0	4.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	.0	.0	.0	.0	.0	1.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.0	2.3	3.2	.0	.0	.0	6.5
3-4	.0	1.3	.0	.0	.0	.0	1.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.6	4.2	.0	.0	.0	8.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.6	.0	.0	.0	.0	.6	
1-2	1.6	5.5	.6	.0	.0	.0	7.8	
3-4	.0	2.3	3.6	1.6	.0	.0	7.5	
5-6	.0	1.3	4.9	.0	.0	.0	6.2	
7	.0	.0	1.6	.3	.0	.0	1.9	
8-9	.0	.0	1.3	.0	.0	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	9.7	12.0	1.9	.0	.3	25.5	64.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.2	10.4	1.3	.0	.0	.0	29.9	
1-2	2.6	14.3	5.2	.0	.0	.0	22.1	
3-4	1.3	11.7	9.1	3.9	.0	.0	26.0	
5-6	.0	1.3	13.0	.0	.0	.0	14.3	
7	.0	.0	2.6	1.3	.0	.0	3.9	
8-9	.0	1.3	1.3	.0	.0	.0	2.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								77
TOT PCT	22.1	40.3	32.5	5.2	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	13.5	25.2	19.3	7.1	2.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	298	2
6-7	.0	2.8	4.1	1.6	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	4
8-9	.0	.7	.7	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
10-11	.0	.5	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
>13	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	15.6	1.4	.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	0
TOTAL	127	233	186	66	19	5	1	0	1	0	0	0	0	0	0	0	0	0	0	436	2
PCT	29.1	10.5	29.3	10.1	4.4	1.1	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY: 1953-1979
(OVER-ALL: 1889-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	.0		88.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	.0	15.2	.0		72.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0		86.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	11.0	2.0		86.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.7	1.7		83.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	.0		94.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	4.5	.0		91.9
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	5.1	.0		94.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	15.4	.0		81.5
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	.4	9.5	.6		88.6
TOT OBS:	526															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	1.4		87.2
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	11.3	.0		87.8
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	.0	3.7	.0		94.9
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	11.2	.7		85.1
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	.4	9.4	.6		88.7
TOT OBS:	533															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	3.8	1.5	.1	.0	.0		6.3	8.4	8.7	.0	5.4	.0	5.7	.0	5.8	.0
NE	1.0	1.3	.4	.0	.0	.0		2.6	6.2	1.7	.0	1.1	.0	2.5	.0	4.0	.0
E	1.9	2.4	.8	.0	.0	.0		5.1	5.7	5.7	.0	5.7	.0	2.7	25.0	5.2	.0
SE	3.1	12.3	3.5	.0	.0	.0		19.0	7.4	22.6	100.0	17.2	.0	11.9	.0	21.8	.0
S	3.0	7.5	1.6	.0	.0	.0		12.1	6.8	12.5	.0	13.0	.0	8.8	.0	13.7	.0
SW	2.5	5.8	.6	.0	.0	.0		8.9	5.8	5.1	.0	4.4	.0	11.7	15.6	11.6	.0
W	1.7	5.6	1.6	.0	.0	.0		9.0	6.9	6.0	.0	12.4	.0	12.3	21.9	7.0	.0
NW	3.4	14.1	7.4	*	.0	.0		24.9	8.7	27.4	.0	25.7	.0	31.8	25.0	19.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.1							12.1	.0	10.3	.0	14.8	.0	12.5	12.5	11.6	.0
TOT OBS	186	333	110	1	0	0	630		6.5	146	1	115	0	128	8	232	0
TOT PCT	29.5	52.9	17.5	.2	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.4	2.2	.6	.1	.0		6.3	8.4	8.7	5.4	5.3	5.8
NE	1.7	.7	.2	.0	.0		2.6	6.2	1.7	1.1	2.4	4.0
E	3.7	1.4	.0	.0	.0		5.1	5.7	8.6	5.7	4.0	5.2
SE	9.2	8.9	.8	.0	.0		19.0	7.4	23.1	17.2	11.2	21.8
S	6.7	5.0	.4	.0	.0		12.1	6.8	12.4	13.0	8.3	13.7
SW	5.6	3.1	.2	.0	.0		8.9	5.8	5.1	4.8	11.9	11.6
W	4.8	4.2	.0	.0	.0		9.0	6.9	6.0	12.4	12.9	7.0
NW	11.0	11.6	2.3	*	.0		24.9	8.7	27.2	25.7	31.4	19.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	12.1						12.1	.0	10.2	14.8	12.5	11.6
TOT OBS	367	234	28	1	0	630		6.5	147	115	136	232
TOT PCT	58.3	37.1	4.4	.2	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1889-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	10.2	10.2	59.9	19.0	.7	.0	.0	7.0	100.0	147
06&09	14.8	17.4	50.4	17.4	.0	.0	.0	6.3	100.0	115
12&15	12.5	18.4	50.7	18.4	.0	.0	.0	6.6	100.0	136
18&21	11.6	21.6	50.9	15.9	.0	.0	.0	6.2	100.0	232
TOT	76	110	333	110	1	0	0	6.5		630
PCT	12.1	17.5	52.9	17.5	.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.9	1.3	1.6	.0		2.2
NE	.5	.3	.4	.2		3.5
E	3.3	.8	.4	.0		1.2
SE	11.1	3.3	4.3	.7		2.3
S	8.4	1.2	1.1	.5		1.6
SW	5.3	.6	1.0	.5		1.9
W	5.8	2.2	1.0	.5		2.1
NW	17.5	4.3	4.5	.9		2.1
VAR	.0	.0	.0	.0		.0
CALM	9.2	2.7	.4	.2		1.3
TOT OBS	311	81	70	17	479	1.9
TOT PCT	64.9	16.9	14.6	3.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.4	.0	.0	.0	.0	.2	6.2	
NE	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
E	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0	4.1	
SE	.0	.1	.3	.2	.5	.2	.4	.2	.0	.5	16.9	
S	.0	.0	.2	.4	.3	.0	.0	.0	.0	.2	10.1	
SW	.0	.0	.0	.1	.3	.0	.0	.0	.1	.0	.2	6.9
W	.2	.0	.0	.0	.2	.2	.4	.2	.0	.0	8.5	
NW	.1	.0	.0	1.5	.3	.5	.3	.2	.0	.3	29.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	12.1	
TOT OBS	2	1	2	11	9	4	7	4	0	4	433	479
TOT PCT	.4	.2	.4	2.3	1.9	.8	1.5	.8	.0	1.3	90.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5BYD	: OR >0
: OR >6500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
: OR >5000	1.9	1.9	2.1	2.1	2.1	2.1	2.1	2.1
: OR >3500	3.1	3.1	3.3	3.3	3.3	3.3	3.3	3.3
: OR >2000	3.8	4.0	4.2	4.2	4.2	4.2	4.2	4.2
: OR >1000	5.9	6.1	6.3	6.3	6.3	6.3	6.3	6.3
: OR >600	7.9	8.6	8.8	8.8	8.8	8.8	8.8	8.8
: OR >300	7.9	9.0	9.2	9.2	9.2	9.2	9.2	9.2
: OR >150	8.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4
: OR > 0	8.2	9.4	9.6	9.6	9.6	9.6	9.8	9.8
TOTAL	39	45	46	46	46	46	47	47

TOTAL NUMBER OF OBS: 478

PCT FREQ HH <5/8: 90.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
60.7	8.5	8.1	7.3	5.1	3.8	2.0	2.0	2.0	.4	494

PERIOD: (PRIMARY) 1963-1979
(OVER-ALL) 1889-1979

AREA 0003 GULF OF CALIFORNIA
29.6N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	NO PCP	.3	.9	.1	1.9	1.9	*	1.2	2.9	.0	1.3	8.8	
	TOT %	.3	.9	.1	1.9	1.9	*	1.2	2.9	.0	1.3	8.8	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	NO PCP	6.7	1.0	4.5	17.1	9.9	8.0	8.2	26.9	.0	10.7	90.6	
	TOT %	6.7	1.0	4.5	17.1	9.9	8.0	8.2	26.9	.0	10.7	90.6	
	TOT OBS												523
	TOT PCT	7.0	1.6	4.7	18.5	11.9	8.0	9.5	26.9	.0	12.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.4	.6	
	0-3	.0	.0	.0	.2	.1	.0	.6	.4	.0	1.3	2.7	
5<10	4-10	.1	*	.1	.6	.9	*	.5	1.0	.0		3.4	
	11-21	.1	.4	.0	.6	.3	.0	.2	1.0	.0		2.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.4	.1	1.4	1.4	*	1.2	2.4	.0	1.3	8.7	
	0-3	.9	.3	1.5	2.5	2.7	2.1	1.5	3.2	.0	10.8	25.4	
10+	4-10	4.0	.6	2.2	11.4	6.0	5.2	5.2	19.3	.0		58.9	
	11-21	1.7	*	.9	3.1	1.2	.7	1.8	6.7	.0		16.1	
	22+	.1	.0	.0	.0	.0	.0	.0	*	.0		.2	
	TOT %	6.7	.9	4.6	17.0	9.8	8.0	8.5	29.2	.0	10.8	90.5	
	TOT OBS												520
	TOT PCT	7.0	1.6	4.8	18.4	11.3	8.0	9.7	26.8	.0	12.5	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1889-1979

AREA 0803 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.7	.0	.7	3.7	3.0	2.2	2.2	.0	.0	1.5	14.1	85.9	135
06&09	.0	.0	.0	1.9	1.9	1.0	1.9	.0	.0	.0	6.7	93.3	105
12&15	.8	.0	.0	3.1	1.6	.0	.0	.8	.0	1.6	7.8	92.2	128
18&21	.0	.8	.8	.8	1.6	.0	1.6	2.4	.0	1.6	9.8	90.2	123
TOT	2	1	2	12	10	4	7	4	0	6	48	443	491
PCT	.4	.2	.4	2.4	2.0	.8	1.4	.8	.0	1.2	9.8	90.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	5.4	94.6	167
06&09	.0	.0	.0	.0	12.4	87.6	113
12&15	.7	.0	.0	1.4	7.2	90.6	139
18&21	.0	.0	.0	.7	10.4	88.9	135
TOT	1	0	0	3	46	484	534
PCT	.2	.0	.0	.6	8.6	90.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.8	1.5	9.3	8.4	86.3	131
06&09	.0	.0	2.8	5.8	93.1	101
12&15	.8	.8	4.6	4.0	91.2	125
18&21	.0	1.7	3.3	6.6	90.1	121
TOT	2	5	19	29	438	478
PCT	.4	1.0	4.0	6.1	90.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.4	.2	.2	.0	.0	4	.9
85/89	.0	.0	.2	.4	.7	.7	.0	.0	9	2.0
80/84	.0	.2	.7	1.5	5.9	6.4	3.4	2.0	87	19.1
75/79	.0	.0	.2	3.3	9.6	10.1	9.4	4.8	149	32.7
70/74	.0	.0	.2	.7	5.5	9.4	11.4	6.1	152	33.3
65/69	.0	.0	.0	.0	1.1	2.0	2.9	2.0	36	7.9
60/64	.0	.0	.0	.0	.2	.9	1.5	1.1	17	3.7
55/59	.0	.0	.0	.0	.0	.0	.2	.2	2	.4
TOTAL	0	1	6	29	84	135	127	74	456	100.0
PCT	.0	.2	1.3	6.4	18.4	29.6	27.9	16.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.9	.0	.1	.3	.0	.0	.2	.0	.2
	.2	.0	.2	.0	.0	.7	.0	.5	.0	.4
	1.0	.3	.9	4.1	1.3	.7	1.3	5.1	.0	3.7
	2.0	.6	2.7	9.2	3.9	2.0	1.6	9.6	.0	9.8
	2.0	.1	1.2	4.4	4.7	3.8	4.6	9.9	.0	5.1
	1.0	.0	.0	.9	.2	.0	1.3	2.9	.0	.9
	.0	.0	.0	.0	.0	.2	.4	2.9	.0	.2
	.2	.0	.0	.0	.0	.0	.0	.3	.0	.0
	7.9	.9	5.1	18.7	10.4	8.2	9.1	26.3	.0	13.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	84	78	66	62	60	77.9	167
06&09	84	83	79	74	64	58	58	73.6	116
12&15	85	83	79	72	63	59	58	71.7	138
18&21	93	90	85	77	70	64	63	77.4	225
TOT	93	88	84	76	66	61	58	75.5	626

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	18.4	23.5	32.2	23.5	10.4	74	115
06&09	.0	1.9	13.9	25.0	36.9	20.4	81	108
12&15	.0	5.8	10.8	25.0	35.0	22.5	80	120
18&21	.0	12.5	25.8	33.3	15.0	12.5	73	120
TOT	0	36	86	135	130	76	77	463

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1889-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
14/16	.0	.0	.0	.0	.0	.4	.2	.4	.0	.0	5	.0	1.0
11/13	.0	.0	.0	.0	.0	.8	.6	.6	.0	.2	12	.0	2.4
9/10	.0	.0	.0	.0	.0	.6	.8	1.0	.2	.4	.2	16	.0	3.2
7/8	.0	.0	.0	.0	.2	.4	1.0	2.0	.6	.2	.0	22	.0	4.5
6	.0	.0	.0	.0	.2	1.0	.8	1.8	.0	.0	.0	19	.0	3.8
5	.0	.0	.4	.0	.0	.2	1.6	2.0	.0	.0	.0	21	.2	4.0
4	.2	.0	.0	.0	.0	.6	1.6	1.4	.0	.0	.0	19	.0	3.6
3	.0	.0	.0	.2	.0	1.4	2.2	.8	.2	.0	.0	24	.2	4.7
2	.0	.0	.2	.2	.6	2.0	3.8	1.4	.2	.2	.0	43	.2	8.5
1	.0	.0	.2	.0	.8	2.4	4.3	.8	.0	.0	.0	42	.0	8.5
0	.0	.0	.8	.2	1.8	4.5	2.2	1.0	.0	.0	.0	52	.2	10.3
-1	.0	.0	.4	.4	2.6	2.8	1.0	.2	.0	.0	.0	37	.0	7.5
-2	.0	.0	.2	.4	1.8	3.2	.6	.0	.0	.0	.0	31	.0	6.3
-3	.2	.0	.6	.6	2.8	3.6	1.0	.0	.0	.0	.0	44	.0	8.9
-4	.0	.0	.2	.0	2.8	1.8	.4	.0	.0	.0	.0	30	.0	6.1
-5	.2	.0	.0	.6	2.4	2.8	.6	.0	.0	.0	.0	33	.0	6.7
-6	.0	.0	.0	.8	1.8	.6	.2	.0	.0	.0	.0	17	.0	3.4
-7/-8	.0	.0	.0	.6	.4	.4	.0	.2	.0	.0	.0	10	.0	2.0
-9/-10	.0	.2	.0	.6	.6	.2	.0	.0	.0	.0	.0	8	.0	1.6
-11/-13	.2	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	4	.0	.8
-14/-16	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.4
TOTAL	4		20		168		70		5		1	494	4	490
		18		95		115		9		1				
PCT	.8	3.6	5.9	19.2	30.0	23.3	14.2	1.8	1.0	.2		100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.9	.0	.0	.0	.0	2.9
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.8	2.2	.0	.0	.0	.0	2.2
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.0	.0	.0	1.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	4.2	2.9	1.0	.0	.0	9.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.0	.0	1.3	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.3	1.3	.0	.0	.0	1.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	.0	.0	.0	.0	.0	1.0
1-2	.0	3.2	.0	.0	.0	.0	3.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.0	.0	.0	.0	.0	1.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	4.2	.0	.0	.0	.0	5.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	6.4	.0	.0	.0	.0	6.7
1-2	1.3	10.3	1.3	.0	.0	.0	12.8
3-4	.3	.0	1.3	.0	.0	.0	1.6
5-6	.0	.3	.0	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	17.0	2.6	.0	.0	.0	21.5

PERIOD: (OVER-ALL) 1963-1979 — TABLE 18 (CONT) — AREA 0003 GULF OF CALIFORNIA 25.0N 110.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	3.2	.0	.0	.0	.0	3.2
3-4	1.0	2.6	.0	.0	.0	.0	3.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	7.1	.0	.0	.0	.0	8.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	2.9	1.6	.0	.0	.0	4.5
3-4	.0	.3	.0	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.8	1.6	.0	.0	.0	7.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.9	.0	.0	.0	.0	1.9
1-2	.0	3.2	1.0	.0	.0	.0	4.2
3-4	.0	2.2	.0	.0	.0	.0	2.2
5-6	.0	1.3	.0	.0	.0	.0	1.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.7	1.0	.0	.0	.0	9.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	4.2	2.2	.0	.0	.0	.0	6.4	
1-2	.0	4.2	1.3	.0	.0	.0	5.4	
3-4	.0	1.6	3.8	.0	.0	.0	5.4	
5-6	.0	.0	1.0	.0	.0	.0	1.0	
7	.0	.0	2.6	.0	.0	.0	2.6	
8-9	.0	.0	.0	.3	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.2	8.0	8.7	.3	.0	.0	21.2	83.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	23.1	16.7	.0	.0	.0	.0	39.7	
1-2	1.3	26.9	6.4	.0	.0	.0	34.6	
3-4	1.3	9.0	5.1	.0	.0	.0	15.4	
5-6	.0	2.6	3.8	.0	.0	.0	6.4	
7	.0	.0	2.6	.0	.0	.0	2.6	
8-9	.0	.0	.0	1.3	.0	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								78
TOT PCT	25.6	55.1	17.9	1.3	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 — TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	14.8	28.1	15.8	4.4	2.0	.7	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	269	2
6-7	.0	2.5	3.8	1.5	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	4
8-9	.0	.7	2.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	3
10-11	.0	1.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
12-13	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
>13	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	16.5	2.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	0
TOTAL	127	140	87	29	17	3	1	1	1	0	0	0	0	0	0	0	0	0	0	406	2
PCT	31.3	34.5	21.4	7.1	4.2	.7	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.0N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/O PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	.0	3.9	.0	92.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0	91.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.1	.0	86.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.5	.0	10.3	.0	86.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.9	.0	9.4	.7	87.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	2.3	.5	95.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	3.3	.0	95.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.4	.0	5.8	.0	92.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	11.1	1.9	85.2
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	.0	7.9	.4	89.4
TOT OBS:	530														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/O PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.8	.7	86.6
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.9	.0	1.9	.9	90.7
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	2.9	.0	95.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	11.7	.0	86.9
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	.0	7.8	.4	89.6
TOT OBS:	540														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	2.2	.3	.0	.0	.0		4.5	5.3	5.4	.0	3.8	.0	4.9	.0	4.0	.0
NE	.6	2.0	.0	.0	.0	.0		2.6	5.8	3.5	.0	.0	.0	2.4	.0	1.4	.0
E	1.7	4.1	.2	.0	.0	.0		6.0	5.7	5.5	.0	.0	.0	8.8	.0	7.4	.0
SE	4.4	14.4	4.1	.6	.0	.0		23.7	8.0	23.2	.0	20.0	100.0	21.6	66.7	25.9	14.7
S	3.0	1.9	4.9	.4	.0	.0		20.3	8.1	24.0	.0	17.1	.0	15.5	.0	22.3	50.0
SW	2.0	5.7	1.6	*	.0	.0		9.4	7.0	8.4	.0	11.8	.0	12.4	.0	7.2	14.7
W	2.5	6.3	.7	.1	.0	.0		9.6	6.3	6.9	.0	13.5	.0	11.0	33.3	8.4	14.7
NW	4.3	7.0	2.8	.0	.0	.0		14.0	6.9	11.7	.0	20.4	.0	13.3	.0	13.6	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0							10.0	.0	11.4	.0	13.5	.0	10.1	.0	7.6	.0
TOT OBS	190	335	91	7	0	0	623		6.5	149	0	104	2	139	3	223	3
TOT PCT	30.5	53.8	14.6	1.1	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.1	1.4	.0	.0	.0		4.5	5.3	5.4	3.8	4.8	4.0
NE	1.4	1.2	.0	.0	.0		2.6	5.8	3.5	.0	2.5	3.3
E	3.8	2.2	.0	.0	.0		6.0	5.7	5.5	.0	8.6	7.5
SE	9.6	13.2	.7	.2	.0		23.7	8.0	23.2	21.5	22.5	25.8
S	9.8	9.7	.8	.0	.0		20.3	8.1	24.0	16.7	15.1	22.7
SW	5.4	3.8	.2	.0	.0		9.4	7.0	8.4	11.6	12.1	7.3
W	6.1	3.1	.4	.0	.0		9.6	6.3	6.9	13.2	11.4	8.5
NW	8.1	5.2	.7	.0	.0		14.0	6.9	11.7	20.8	13.0	13.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.0						10.0	.0	11.4	13.2	9.9	7.5
TOT OBS	357	208	17	1	0	623		6.5	149	106	162	226
TOT PCT	57.3	33.8	2.7	.2	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	11.4	19.5	52.3	15.4	1.3	.0	.0	6.6	100.0	149
06&09	13.2	21.7	46.2	18.9	.0	.0	.0	6.3	100.0	106
12&15	9.9	19.7	56.3	13.4	.7	.0	.0	6.3	100.0	142
18&21	7.5	21.2	56.6	12.8	1.8	.0	.0	6.7	100.0	226
TOT	62	128	335	91	7	0	0	6.5		623
PCT	10.0	20.5	53.8	14.6	1.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.3	.2	.2	.0		2.1
NE	1.6	.4	.4	.0		2.0
E	4.4	.6	.4	.2		1.5
SE	17.4	2.6	2.4	.2		1.4
S	15.1	2.4	[illegible]	.4		1.5
SW	8.4	.6	.7	.3		1.2
W	8.2	.2	.9	.4		1.2
NW	11.5	1.3	.5	1.0		1.2
VAR	.0	.0	.0	.0		.0
CALM	9.9	.6	.2	.0		.5
TOT OBS	371	42	37	15	465	1.3
TOT PCT	79.8	9.0	8.0	3.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NN >4/8) AND OCCURRENCE OF NN <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NN <5/8 ANY HGT	TOTAL OBS
N	.4	.0	.0	.2	.2	.0	.2	.0	.0	.0	3.5	
NE	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	2.0	
E	.0	.0	.0	.0	.4	.2	.0	.0	.0	.0	5.0	
SE	.0	.0	.0	.0	.3	.4	.0	.0	.2	.2	21.5	
S	.0	.0	.0	.0	.0	.2	.0	.4	.0	.0	18.6	
SW	.0	.0	.0	.0	.1	.3	.3	.0	.0	.0	9.5	
W	.0	.0	.2	.0	.0	.7	.2	.2	.0	.0	8.4	
NW	.1	.0	.0	.1	.6	.1	.0	.0	.0	.0	13.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	10.5	
TOT OBS	2	0	1	1	11	10	3	5	1	1	430	465
TOT PCT	.4	.0	.2	.2	2.4	2.2	.6	1.1	.2	.2	92.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NN >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
: OR >5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >3500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
: OR >2000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
: OR >1000	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
: OR >600	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6
: OR >300	6.6	6.8	6.8	6.8	6.8	6.8	6.8	6.8
: OR >150	6.6	6.8	6.8	6.8	6.8	6.8	6.8	6.8
: OR > 0	6.6	6.8	7.0	7.0	7.0	7.2	7.2	7.2
TOTAL	31	32	33	33	33	34	34	34

TOTAL NUMBER OF OBS: 472

PCT FREQ NN <5/8: 92.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD		TOTAL OBS
60.4	14.0	6.3	5.3	2.6	1.4	2.2	1.4	2.0	.4	496

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.1	.0	.0	.0	.2	*	.3	.7	.0	.2	1.1	
	TOT %	.1	.0	.0	.0	.2	*	.3	.2	.0	.2	1.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	NO PCP	.3	*	.6	1.5	.5	.7	.6	.7	.0	1.0	5.9	
	TOT %	.3	*	.6	1.5	.5	.7	.6	.7	.0	1.0	5.9	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	NO PCP	3.5	2.2	5.2	21.1	20.3	9.4	9.0	12.7	.0	9.1	92.6	
	TOT %	3.5	2.2	5.2	21.1	20.3	9.4	9.0	12.7	.0	9.1	92.6	
	TOT OBS												526
	TOT PCT	4.1	2.2	5.8	22.8	21.1	10.1	10.0	13.6	.0	10.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.1	.0	.0	.2	.0	*	.1	*	.0	.2	.7	
2<5	4-10	.0	.0	.0	.2	.2	.0	.2	.2	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.4	.2	*	.3	.2	.0	.2	1.5	
	0-3	.2	.0	.1	*	.0	.2	.4	.2	.0	.9	2.0	
5<10	4-10	.1	*	.5	1.3	.6	.3	.2	.5	.0		3.5	
	11-21	.0	.0	.0	.2	.1	.2	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	*	.6	1.6	.7	.6	.6	.6	.0	.9	6.1	
	0-3	1.3	.5	1.4	4.3	3.1	1.6	1.9	3.7	.0	9.1	26.7	
10+	4-10	1.8	1.7	3.5	12.6	11.7	5.9	6.6	5.7	.0		49.3	
	11-21	.4	.0	.2	3.8	5.2	1.7	.8	3.1	.0		15.0	
	22+	.0	.0	.0	.5	.5	*	.1	.0	.0		1.1	
	TOT %	3.4	2.1	5.0	21.1	20.4	9.2	9.3	12.5	.0	9.1	92.0	
	TOT OBS												540
	TOT PCT	4.0	2.2	5.6	23.2	21.3	9.9	10.2	13.3	.0	10.2	100.0	

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

AREA 0003 GULF OF CALIFORNIA
29.6N 110.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.7	.0	.0	.7	.7	.7	.7	.0	3.7	96.3	134
06&09	.0	.0	.0	1.1	.0	1.1	2.2	2.2	.0	.0	6.5	93.5	93
12&15	1.6	.0	.0	.0	4.8	3.2	.0	1.6	.0	.8	11.9	88.1	126
18&21	.0	.0	.0	.0	3.6	2.9	.0	.0	.0	.0	6.5	93.5	139
TOT	2	0	1	1	11	10	3	5	1	1	35	457	492
PCT	.4	.0	.2	.2	2.2	2.0	.6	1.0	.2	.2	7.1	92.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.7	5.9	93.5	153
06&09	.0	1.0	.0	1.0	4.9	93.2	103
12&15	.7	.0	.0	2.8	6.3	90.2	143
18&21	.0	.0	.0	1.3	6.6	92.1	151
TOT	1	1	0	8	33	507	550
PCT	.2	.2	.0	1.5	6.0	92.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <5070	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.8	1.6	3.1	95.3	127
06&09	.0	.0	2.2	5.6	92.2	90
12&15	1.6	1.6	1.6	10.5	87.9	124
18&21	.0	.0	1.5	6.1	92.4	131
TOT	2	3	8	30	434	472
PCT	.4	.6	1.7	6.4	91.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	1.1	.6	.2	.4	.2	12	2.6
85/89	.0	.0	.6	.9	3.7	5.8	1.7	.6	62	13.4
80/84	.0	.2	.2	3.0	6.9	14.0	9.1	4.5	170	36.8
75/79	.0	.0	.4	.6	3.9	13.0	8.6	5.2	147	31.7
70/74	.0	.0	.0	.2	.6	2.6	4.1	2.4	46	9.9
65/69	.0	.0	.0	.0	.0	.4	1.3	.6	11	2.4
60/64	.0	.0	.0	.0	.0	.0	1.1	.9	9	1.9
TOTAL	0	1	6	27	73	167	122	67	463	100.0
PCT	.0	.2	1.3	5.8	15.8	36.1	26.3	14.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.3	.5	1.0	.4	.2	.0	.0	.0	.2
	.7	.4	.4	3.5	3.9	.6	1.0	.9	.0	1.9
	1.2	.2	2.9	9.7	10.4	3.3	3.0	3.9	.0	3.5
	1.8	.9	1.4	8.1	9.2	3.6	3.5	4.4	.0	3.9
	.0	.4	.8	.9	1.7	1.9	1.7	1.7	.0	.9
	.6	.8	.0	.0	.0	.0	.5	1.2	.0	.0
	.0	.0	.0	.0	.2	.0	.5	1.2	.0	.0
	4.4	2.3	6.0	23.2	20.8	9.6	10.3	13.2	.0	10.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	90	83	69	62	60	82.1	152
06&09	86	84	82	78	69	60	60	77.1	109
12&15	88	86	82	77	71	62	60	77.2	140
18&21	94	93	89	82	71	62	60	81.7	222
TOT	94	91	88	81	70	62	60	80.0	623

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.2	21.3	38.5	20.5	11.5	75	122
06&09	.0	4.0	10.9	36.6	30.7	17.8	80	101
12&15	.0	4.0	10.4	31.2	33.6	20.8	80	125
18&21	.0	14.4	18.4	37.6	20.0	9.6	74	125
TOT	0	37	73	170	123	70	77	473

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

TABLE 17

AREA 0003 GULF OF CALIFORNIA
29.6N 110.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	n FOG	nO FOG
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
14/16	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	2	.0	.4
11/13	.0	.0	.0	.0	.2	.0	.4	.4	.6	.2	9	.0	1.9
9/10	.0	.0	.0	.0	.0	.0	.4	1.7	1.0	.2	16	.0	3.3
7/8	.0	.0	.0	.2	.2	.6	1.9	1.7	1.0	.0	27	.2	5.4
6	.0	.0	.0	.0	.0	.4	1.2	1.0	.6	.0	16	.0	3.3
5	.0	.0	.6	.2	.2	.4	1.7	1.0	.6	.0	22	.2	4.4
4	.0	.0	.0	.4	.0	1.0	2.7	.8	.2	.0	25	.0	5.2
3	.0	.2	.2	.0	.2	1.7	3.3	.6	.0	.0	30	.0	6.2
2	.0	.2	.0	.4	.2	2.7	2.3	2.3	.0	.0	39	.2	7.9
1	.0	.0	.8	.2	.2	2.5	3.3	1.0	.0	.0	39	.0	8.1
0	.2	.4	.2	.2	.6	6.0	3.3	.4	.0	.0	55	.0	11.4
-1	.0	.0	.0	.2	1.5	4.6	2.3	.2	.0	.0	42	.0	8.7
-2	.0	.6	.0	.4	1.7	3.9	1.7	.4	.0	.0	42	.0	8.7
-3	.0	.4	.0	.4	1.5	2.9	1.9	.2	.0	.0	35	.0	7.3
-4	.0	.0	.0	.4	2.3	1.7	.6	.0	.0	.0	24	.0	5.0
-5	.0	.2	.0	.4	2.9	1.0	.6	.0	.0	.0	25	.0	5.2
-6	.2	.0	.0	.4	1.2	.2	.0	.0	.0	.0	10	.2	1.9
-7/-8	.0	.0	.0	.6	2.1	.8	.0	.0	.0	.0	17	.0	3.5
-9/-10	.0	.0	.0	.2	.6	.0	.0	.0	.0	.0	4	.0	.8
-11/-13	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	2	.2	.2
TOTAL	2		10		75		134		19			5	477
		10		24		109		57		2	482		
PCT	.4	2.1	2.1	5.0	15.6	30.9	27.8	11.8	3.9	.4	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.2	.9	.0	.0	.0	.0	2.1
3-4	.0	.0	1.2	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	.9	1.2	.0	.0	.0	3.2

NE

HGT	-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	1.2	.0	.0	.0	.0	2.4
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	2.4	.0	.0	.0	.0	3.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.2	3.5	.0	.0	.0	.0	6.8
1-2	1.2	5.0	.0	.0	.0	.0	6.2
3-4	.0	1.8	.0	.0	.0	.0	1.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.4	10.3	.0	.0	.0	.0	14.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	4.7	.0	.0	.0	.0	5.3
1-2	2.4	9.7	.0	.0	.0	.0	12.1
3-4	.0	.6	1.2	.0	.0	.0	1.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	15.0	1.2	.0	.0	.0	19.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	.0	.0	.0	.0	.0	2.1
1-2	.0	6.2	.0	.0	.0	.0	6.2
3-4	1.2	1.2	2.4	.0	.0	.0	4.7
5-6	.0	.0	2.4	.0	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.2	7.4	4.7	.0	.0	.0	15.3

SW

1-3	4-10	11-21	22-33	34-47	48+	PCT
.0	2.4	.0	.0	.0	.0	2.4
.0	2.9	.0	.0	.0	.0	2.9
.0	1.2	1.2	.0	.0	.0	2.4
.0	.3	.0	.0	.0	.0	.3
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W0 PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	5.6	.0	.0	.0	.0	.0	.0	5.6	.0	4.2	.0	.0	.0		.0	90.3
NE	6.3	.0	.0	.0	.0	.0	.0	6.3	.0	3.2	.0	.0	.0		.0	90.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	.0	.0	1.9		.0	90.4
SE	1.3	.7	.7	.0	.0	.0	.0	2.7	.8	5.9	.0	.0	4.4		.0	86.3
S	.0	.0	.9	.0	.0	.0	.0	.9	.7	2.6	.0	.0	1.6		.0	94.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0		.0	97.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	4.9	.0	2.5		.0	87.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	1.7	.0	1.7		.0	94.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	2.0	.0	.0	.0	.0	2.0	.0	4.0	.0	.0	6.0		.0	88.0
TOT PCT	.8	.2	.4	.0	.0	.0	.0	1.5	.6	4.0	.6	.0	2.7		.0	90.7
TOT OBS:	526															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W0 PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0		.0	96.2
06&09	.0	.0	1.6	.0	.0	.0	.0	2.4	.0	12.8	.0	.0	2.4		.0	82.4
12&15	2.0	.7	.0	.0	.0	.0	.0	2.7	2.0	3.4	1.4	.0	2.0		.0	88.5
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3		.0	95.9
TOT PCT	.6	.2	.6	.0	.0	.0	.0	1.5	.6	4.0	.6	.0	2.6		.0	90.7
TOT OBS:	529															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	1.7	.4	.2	.0	.0		3.3	6.8	4.0	.0	3.6	.0	3.5	.0	2.9	.0
NE	.9	2.1	*	.0	.0	.0		3.1	4.8	3.3	.0	1.2	.0	3.4	.0	3.7	.0
E	1.7	5.5	.5	.0	.0	.0		7.6	6.0	7.1	.0	4.4	.0	9.6	25.0	8.9	.0
SE	4.0	19.7	7.2	.5	.0	.0		31.3	8.6	38.8	25.0	29.6	.0	25.0	25.0	32.4	.0
S	2.8	13.0	3.9	.2	.0	.0		19.8	7.8	19.2	38.0	19.6	.0	22.4	.0	18.6	.0
SW	1.7	5.8	.8	.0	.0	.0		8.3	6.4	3.1	.0	9.9	.0	8.4	.0	10.8	.0
W	2.2	3.8	.8	.0	.0	.0		6.8	6.5	7.6	.0	6.7	.0	9.4	.0	5.0	.0
NW	2.8	4.3	2.8	.0	.0	.0		9.9	8.1	9.1	20.0	14.7	100.0	7.5	.0	8.9	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.5							9.5	.0	6.0	20.0	10.3	.0	10.6	50.0	8.8	.0
TOT OBS	174	363	100	5	0	0	650		6.8	138	5	126	1	151	2	227	0
TOT PCT	26.8	55.8	15.4	.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	2.3	.7	.4	.0	.0		3.3	6.8	3.8	3.5	3.4	2.9	
NE	2.6	.5	.0	.0	.0		3.1	4.8	3.1	1.2	3.6	3.7	
E	5.5	2.0	.3	.0	.0		7.8	6.0	6.8	4.3	9.8	8.9	
SE	13.1	16.5	1.8	.0	.0		31.3	8.6	38.3	29.3	25.0	32.4	
S	9.7	9.4	.8	.0	.0		19.8	7.8	19.8	19.5	22.1	18.6	
SW	5.0	3.3	*	.0	.0		8.3	6.4	3.0	9.0	8.3	10.8	
W	4.3	2.2	.3	.0	.0		6.8	6.5	7.3	6.7	9.3	5.0	
NW	4.9	3.9	1.1	.0	.0		9.9	8.1	9.4	15.4	7.4	8.9	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	9.5						9.5	.0	8.4	10.2	11.1	8.8	
TOT OBS	369	250	31	0	0	650		6.8	143	127	183	227	
TOT PCT	56.8	38.5	4.8	.0	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	8.4	17.5	53.1	20.3	.7	.0	.0	7.2	100.0	143
06&09	10.2	15.0	52.0	20.5	2.4	.0	.0	7.8	100.0	127
12&15	11.1	15.0	59.5	13.7	.7	.0	.0	6.5	100.0	153
18&21	8.8	19.8	57.3	14.1	.0	.0	.0	6.3	100.0	227
TOT	62	112	363	108	5	0	0	6.8		650
PCT	9.5	17.2	55.8	16.6	.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.8	.3	.9	.4		3.2
NE	2.1	.3	.6	.1		2.1
E	3.0	1.3	2.4	.5		3.5
SE	11.6	6.5	6.7	5.7		3.5
S	7.5	4.3	5.6	2.1		3.7
SW	5.6	1.1	1.8	.6		2.5
W	4.6	1.3	1.5	1.1		3.1
NW	4.4	3.4	3.2	.0		3.3
VAR	.0	.0	.0	.0		.0
CALM	7.3	.9	1.3	.4		2.0
TOT OBS	218	88	109	38	452	3.2
TOT PCT	48.2	19.5	23.9	8.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY WGT	TOTAL OBS
N	.2	.0	.0	.2	.2	.0	.0	.0	.0	.2	2.8	
NE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	2.8	
E	.0	.0	.0	.0	.4	.9	.0	.0	.0	.6	5.5	
SE	.0	.0	.2	.8	1.3	1.3	.7	.2	.0	.5	23.1	
S	.2	.0	.2	.8	1.4	1.2	.2	.0	.0	.4	15.2	
SW	.0	.0	.0	.2	.4	.1	.2	.0	.0	.2	7.9	
W	.2	.0	.0	.0	.2	.4	.0	.0	.0	.0	7.7	
NW	.0	.0	.2	.2	.4	.4	.2	.2	.0	.0	9.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	9.1	
TOT OBS	3	0	3	10	20	19	6	5	0	11	375	452
TOT PCT	.7	.0	.7	2.2	4.4	4.2	1.3	1.1	.0	2.4	83.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
= OR >5000	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
= OR >3500	4.6	4.9	4.9	4.9	4.9	4.9	4.9	4.9
= OR >2000	8.8	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >1000	13.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
= OR >600	15.0	15.5	15.7	15.7	15.7	15.7	15.7	15.7
= OR >300	15.2	16.1	16.3	16.3	16.3	16.3	16.3	16.3
= OR >150	15.2	16.1	16.3	16.3	16.3	16.3	16.3	16.3
= OR > 0	15.2	16.6	17.0	17.0	17.0	17.0	17.0	17.0
TOTAL	69	75	77	77	77	77	77	77

TOTAL NUMBER OF OBS: 453

PCT FREQ NM <5/8: 83.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
31.4	10.1	14.6	11.0	7.2	4.9	4.6	3.2	4.6	.4	474

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
2<5	NO PCP	.0	.0	.2	*	.3	.2	.3	.2	.0	.0	1.3	
	TOT %	.0	.0	.2	*	.5	.2	.3	.2	.0	.0	1.5	
	PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
5<10	NO PCP	.0	.0	.0	1.2	.5	.4	.6	.4	.0	.6	3.6	
	TOT %	.2	.0	.0	1.2	.5	.4	.6	.4	.0	.6	3.8	
	PCP	.0	.2	.0	.8	.0	.0	.0	.0	.0	.2	1.1	
10+	NO PCP	3.2	2.8	7.3	26.4	19.2	8.2	8.7	10.9	.0	8.8	93.5	
	TOT %	3.2	3.0	7.3	27.2	19.2	8.2	8.7	10.9	.0	9.0	94.7	
	TOT OBS												525
	TOT PCT	3.4	3.0	7.5	28.4	20.3	8.8	7.6	11.5	.0	9.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.2	*	.5	.2	.3	.1	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.0	.1	.2	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	*	.5	.2	.4	.3	.0	.0	1.7	
	0-3	.0	.0	.0	.0	.2	.2	.0	.0	.0	.6	.9	
5<10	4-10	.0	.0	.0	.4	.1	.2	.4	.2	.0		1.3	
	11-21	.0	.0	.0	.6	.4	.0	.2	.2	.0		1.3	
	22+	.2	.0	.0	.2	.2	.0	.0	.0	.0		.6	
	TOT %	.2	.0	.0	1.2	.9	.4	.6	.4	.0	.6	4.1	
	0-3	1.2	.8	1.3	3.2	2.3	1.3	2.4	3.3	.0	9.0	24.7	
10+	4-10	1.6	2.1	5.4	15.9	12.6	5.9	3.8	4.5	.0		51.7	
	11-21	.5	*	.4	7.7	4.2	.8	.5	3.0	.0		17.2	
	22+	.0	.0	.0	.4	.0	.0	.0	.0	.0		.4	
	TOT %	3.3	2.9	7.2	27.1	18.9	8.1	6.7	10.8	.0	9.0	94.0	
	TOT OBS												534
	TOT PCT	3.5	3.0	7.5	28.3	20.3	8.6	7.7	11.5	.0	9.6	100.0	

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1802-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.0	.0	.0	.8	2.4	4.1	.0	.0	.0	.8	8.1	91.9	123
06E09	.0	.0	1.0	2.0	6.0	4.0	2.0	2.0	.0	4.0	21.0	79.0	100
12E15	2.3	.0	.8	4.6	5.4	4.6	1.5	.8	.0	1.5	21.5	78.5	130
18E21	.0	.0	.9	.9	3.5	3.5	1.8	1.8	.0	3.5	15.8	84.2	114
TOT	3	0	3	10	20	19	6	5	0	11	77	390	467
PCT	.6	.0	.6	2.1	4.3	4.1	1.3	1.1	.0	2.4	16.5	83.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.7	.0	.0	.7	2.9	95.7	138
06E09	.0	.0	.0	.8	4.0	95.2	126
12E15	.0	.0	.0	3.3	8.0	88.7	150
18E21	.0	.0	.0	1.6	.8	97.6	125
TOT	1	0	0	9	22	505	537
PCT	.2	.0	.0	1.7	4.1	94.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.9	.9	1.7	7.7	90.6	117
06E09	.0	1.0	4.1	18.6	77.6	98
12E15	2.4	5.2	7.9	14.3	77.8	126
18E21	.0	.9	2.7	14.3	83.0	112
TOT	4	7	19	61	373	453
PCT	.9	1.5	4.2	13.5	82.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.4	.0	.8	1.1	.0	.2	.0	12	2.5
90/94	.0	.0	.0	1.1	3.2	4.2	.6	.2	44	9.3
85/89	.0	.0	.2	1.1	7.4	12.3	9.7	1.9	154	32.6
80/84	.0	.0	.4	.6	3.6	11.0	22.7	6.1	210	44.5
75/79	.0	.0	.0	.0	.2	1.7	2.5	1.1	26	5.5
70/74	.0	.0	.0	.0	.0	.6	1.1	.6	11	2.3
65/69	.0	.0	.0	.0	.0	.2	1.1	1.7	14	3.0
60/64	.0	.0	.0	.0	.0	.0	.2	.0	1	.2
TOTAL	0	2	3	17	73	142	180	55	472	100.0
PCT	.0	.4	.6	3.6	15.5	30.1	38.1	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.4	.3	.2	.1	.3	.0	.0	.5	.0	.4
	.2	.8	.4	2.8	2.2	.6	1.0	.5	.0	.4
	1.1	1.3	2.3	10.9	5.9	2.9	2.0	2.5	.0	3.8
	1.2	.6	4.0	14.5	11.3	4.2	2.6	2.1	.0	4.0
	.2	.0	.3	.1	.8	.5	1.4	1.3	.0	.8
	.4	.0	.0	.0	.2	.1	.2	1.3	.0	.0
	.2	.0	.0	.0	.0	.0	.8	2.0	.0	.0
	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
	4.0	3.0	7.3	28.3	20.7	8.3	8.2	10.3	.0	10.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	98	96	94	86	79	71	68	86.0	144
06E09	89	88	87	84	70	66	66	82.1	126
12E15	92	89	86	82	73	65	65	81.4	154
18E21	98	96	93	86	75	68	64	85.6	225
TOT	98	96	92	84	74	66	64	84.1	649

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	5.7	23.8	37.7	28.7	4.1	74	122
06E09	.0	.9	6.8	25.6	49.6	17.1	82	117
12E15	.0	5.0	7.5	23.3	50.0	14.2	81	120
18E21	.0	7.1	23.9	33.6	23.9	11.5	75	113
TOT	0	22	73	142	180	55	78	472

JULY

PERIOD: (PRIMARY) 1961-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.2	.0	.2	2	.0	.4
14/16	.0	.0	.0	.0	.0	.2	.2	.2	.2	4	.0	.8
11/13	.0	.0	.0	.0	.2	.0	.2	.4	1.4	11	.0	2.2
9/10	.0	.0	.2	.2	.2	.2	.8	.8	1.0	17	.2	3.2
7/8	.0	.0	.2	.2	.2	.0	.2	1.4	2.2	.8	25	.0
6	.0	.0	.0	.2	.2	.2	.0	1.6	1.4	.2	18	.0
5	.0	.0	.0	.2	.2	.0	1.2	3.2	.6	.2	27	.0
4	.0	.2	.0	.0	.0	1.4	2.8	1.6	.0	32	.0	6.4
3	.0	.0	.2	.0	.2	1.6	3.6	1.4	.0	35	.0	7.0
2	.0	.0	.2	.2	.2	2.0	3.2	.4	.0	31	.0	6.2
1	.0	.0	.0	.2	1.4	4.8	3.6	.2	.0	51	.0	10.2
0	.0	.4	.2	.2	1.2	4.6	3.6	.0	.0	51	.0	10.2
-1	.2	.2	.2	.0	1.0	6.4	3.0	.2	.0	56	.0	11.2
-2	.0	.0	.4	.2	1.0	6.6	1.8	.0	.0	50	.0	10.0
-3	.0	.2	.2	.0	1.6	4.2	.8	.0	.0	35	.0	7.0
-4	.0	.2	.4	.0	1.6	4.0	.2	.0	.0	32	.2	6.2
-5	.0	.0	.0	.2	1.4	.8	.0	.0	.0	12	.0	2.4
-6	.0	.0	.2	.4	.6	.6	.0	.0	.0	9	.0	1.8
-7/-8	.0	.0	.0	.2	.4	.2	.0	.0	.0	4	.0	.8
TOTAL	1	10	12	12	56	195	147	47	20	502	2	500
PCT	.2	2.0	2.4	2.4	11.6	38.8	29.3	9.4	4.0	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.5	.0	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	.0	.0	.0	.0	3.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	.3	.3	.0	.0	.0	.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	.3	.3	.0	.0	.0	1.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.5	.0	.0	.0	.0	3.3
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	1.8	.0	.0	.0	.0	1.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	.0	.0	.0	.0	7.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	4.0	1.3	.0	.0	.0	5.6
1-2	1.0	9.6	2.0	.0	.0	.0	12.9
3-4	.0	3.5	2.0	.0	.0	.0	5.6
5-6	.0	.0	1.0	.0	.0	.0	1.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	17.4	6.3	.0	.0	.0	25.0

PERIOD: (OVER-ALL) 1963-1979 JULY AREA 0003 GULF OF CALIFORNIA

TABLE 18 (CONT) 25.5N 110.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	3.3	1.8	.0	.0	.0	5.8	.0	6.8	.0	.0	.0	.0	6.8
1-2	.0	8.6	2.0	.0	.0	.0	10.6	.0	3.3	.0	.0	.0	.0	3.3
3-4	.0	1.8	1.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	13.6	5.8	.0	.0	.0	20.2	.0	10.1	.0	.0	.0	.0	10.1

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	2.5	4.5	.0	.0	.0	.0	7.1	4.8	.0	.0	.0	.0	.0	4.8	
1-2	.0	.8	.0	.0	.0	.0	.8	1.0	1.3	.0	.0	.0	.0	2.3	
3-4	.0	1.0	1.0	.0	.0	.0	2.0	.0	1.5	1.0	.0	.0	.0	2.5	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.5	6.3	1.0	.0	.0	.0	9.8	5.8	2.8	1.0	.0	.0	.0	9.6	86.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	24.2	21.2	3.0	.0	.0	.0	48.5	
1-2	2.0	26.3	5.1	.0	.0	.0	33.3	
3-4	.0	11.1	5.1	.0	.0	.0	16.2	
5-6	.0	.0	2.0	.0	.0	.0	2.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	26.3	58.6	15.2	.0	.0	.0	100.0	99

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.4	34.5	18.8	9.4	1.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	274	2
6-7	.5	1.3	2.8	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	3
8-9	.0	.8	.3	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
10-11	.0	1.3	.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
12-13	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	17.0	1.0	.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	0
TOTAL	106	153	89	32	11	2	1	0	0	0	0	0	0	0	0	0	0	0	0	394	2
PCT	26.9	38.8	22.6	8.1	2.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	.0	.0	.0	.0	94.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.1	.0	.0	.0	.0	80.9
E	.0	.0	.0	.0	.0	.0	.0	.0	4.8	6.9	.0	.0	2.8	.0	85.5
SE	1.3	.2	.0	.0	.0	.0	.0	1.4	1.4	3.9	.0	.0	3.5	.0	89.7
S	.0	.9	.0	.0	.0	.0	.0	.9	.0	6.4	.0	.0	4.3	.0	88.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7	.0	.0	2.9	.0	83.5
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	4.6	.0	90.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	2.1	.0	95.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	.0	4.0	.0	90.0
TOT PCT	.4	.2	.0	.0	.0	.0	.0	.6	.8	5.9	.0	.0	3.4	.0	89.3
TOT OBS:	506														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	5.9	.0	93.2
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	.0	.0	3.5	.0	86.1
12&15	2.3	.8	.0	.0	.0	.0	.0	3.0	1.5	12.8	.0	.0	2.1	.0	80.5
18&21	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	.0	95.9
TOT PCT	.6	.2	.0	.0	.0	.0	.0	.8	1.0	5.8	.0	.0	3.1	.0	89.1
TOT OBS:	513														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	1.9	.6	.0	.0	.0		3.7	6.7	4.1	.0	1.5	.0	5.0	.0	4.0	.0
NE	1.1	1.8	.1	.2	.0	.0		3.1	6.6	5.6	.0	.0	.0	3.7	.0	3.7	.0
E	1.1	5.3	1.0	.0	.0	.0		7.4	7.0	10.7	33.3	6.1	.0	7.8	.0	6.3	.0
SE	5.3	18.2	7.9	1.0	.0	.0		32.5	6.8	38.5	33.3	35.7	.0	16.7	50.0	35.8	50.0
S	2.6	10.4	3.8	.3	.0	.0		17.0	8.1	17.9	.0	20.6	.0	16.5	.0	16.1	.0
SW	1.2	4.6	1.3	.0	.0	.0		7.0	7.7	2.8	33.3	6.8	.0	9.1	.0	7.9	.0
W	4.8	6.6	.7	.0	.0	.0		11.3	5.8	8.3	.0	14.9	50.0	17.1	.0	8.1	16.7
NW	2.8	5.2	1.1	.2	.0	.0		8.5	7.6	5.3	.0	4.6	50.0	15.7	50.0	7.2	33.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.4							9.4	.0	6.8	.0	9.6	.0	6.5	.0	11.3	.0
TOT OBS	178	344	105	10	0	0	637		7.1	117	3	136	1	129	2	265	6
TOT PCT	27.9	54.0	16.5	1.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	1.1	.3	.0	.0		3.7	6.7	4.0	1.5	5.0	3.9
NE	2.1	.9	*	.2	.0		3.1	6.6	5.6	.0	3.6	3.2
E	3.9	3.3	.3	.0	.0		7.4	7.0	11.3	6.1	7.6	6.2
SE	14.1	15.7	2.2	.5	.0		32.5	8.8	38.3	35.4	17.2	36.1
S	7.3	9.0	.6	.1	.0		17.0	8.1	17.5	20.4	16.2	15.8
SW	2.9	3.8	.3	.0	.0		7.0	7.7	3.5	6.7	9.0	7.7
W	7.8	3.2	.3	.0	.0		11.3	5.8	8.1	15.2	16.8	8.3
NW	3.8	4.4	.3	.0	.0		8.5	7.6	5.2	5.8	16.2	7.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.4						9.4	.0	6.7	9.6	8.4	11.1
TOT OBS	301	263	28	5	0	637		7.1	120	115	131	271
TOT PCT	47.5	41.3	4.4	.8	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979

AREA 0803 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.7	14.2	57.5	20.0	1.7	.0	.0	7.6	100.0	120
06&09	9.6	20.9	50.4	16.5	2.6	.0	.0	7.5	100.0	115
12&15	8.4	16.8	55.0	19.1	1.5	.0	.0	7.6	100.0	131
18&21	11.1	20.7	53.5	13.7	1.1	.0	.0	6.9	100.0	271
TOT	60	118	304	105	10	0	0	7.1		637
PCT	9.4	18.5	54.0	16.5	1.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.6	.7	1.0	.4		3.5
NE	1.0	1.2	.9	.6		4.0
E	2.2	1.3	2.6	.4		4.1
SE	12.4	7.3	9.3	2.6		3.5
S	5.1	4.8	6.0	1.3		3.8
SW	2.9	1.2	2.6	.0		3.1
W	6.7	2.1	3.0	.2		2.8
NW	3.2	2.4	2.8	.1		2.9
VAR	.0	.0	.0	.0		.0
CALM	6.8	2.2	1.5	.5		2.0
TOT OBS	172	95	118	26	411	3.3
TOT PCT	41.8	23.1	28.7	6.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	3.0	
NE	.0	.0	.0	.1	.1	.0	.2	.0	.0	.0	3.2	
E	.0	.0	.0	.2	.5	.5	.2	.0	.0	.0	5.2	
SE	.0	.0	.2	1.5	1.4	.7	2.3	.5	.5	.0	29.4	
S	.0	.0	.0	.4	.4	.5	.6	.2	.2	.5	14.4	
SW	.0	.0	.0	.1	.5	.2	.1	.0	.0	.0	5.8	
W	.0	.0	.0	.2	.7	.0	.0	.0	.0	.2	10.9	
NW	.0	.0	.0	.2	.4	.1	.0	.0	.0	.1	7.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.2	.2	.7	.2	.2	.0	.0	.0	9.2	
TOT OBS	0	0	2	12	20	11	15	3	3	3	342	411
TOT PCT	.0	.0	.5	2.9	4.9	2.7	3.6	.7	.7	.7	83.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR <1/4 OR OBSCD	= OR >0
= OR >6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
= OR >5000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
= OR >3500	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
= OR >2000	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3
= OR >1000	12.2	12.9	12.9	12.9	12.9	12.9	12.9	12.9
= OR >600	14.1	15.6	15.6	15.6	15.6	15.6	15.6	15.6
= OR >300	14.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3
= OR >150	14.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3
= OR > 0	14.8	16.5	16.5	16.5	16.5	16.5	16.5	16.5
TOTAL	61	68	68	68	68	68	68	68

TOTAL NUMBER OF OBS: 411

PCT FREQ NH <5/8: 83.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
22.6	19.7	17.0	15.9	6.3	7.0	4.7	2.9	3.6	.0	407

AUGUST

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
5<10	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.2	.7	.8	1.2	.8	.5	.5	1.2	.0	.0	5.8	
	TOT %	.2	.7	.8	1.4	.8	.5	.5	1.2	.0	.0	6.0	
10+	PCP	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.4	
	NO PCP	3.5	2.7	6.2	29.0	15.4	6.1	12.0	8.3	.0	10.0	93.2	
	TOT %	3.5	2.7	6.2	29.2	15.5	6.1	12.0	8.3	.0	10.0	93.6	
	TOT OBS												498
	TOT PCT	3.7	3.4	7.3	30.6	16.3	6.6	12.5	9.5	.0	10.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.2	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
5<10	0-3	.0	.2	.2	.4	.2	.2	.0	.0	.0	.0	1.2	
	4-10	.2	.2	.4	.6	.4	.3	.5	1.0	.0		3.6	
	11-21	.0	.1	.2	.2	.0	.0	.0	.0	.0		.4	
	22+	.0	.2	.0	.2	.2	.0	.0	.2	.0		.8	
	TOT %	.2	.7	.8	1.4	.8	.5	.5	1.2	.0	.0	6.0	
10+	0-3	1.1	1.0	.7	4.1	1.4	.4	4.2	2.3	.0	10.0	25.3	
	4-10	1.9	1.7	4.8	15.5	10.0	4.5	6.9	4.7	.0		49.9	
	11-21	.6	.1	.9	8.7	3.9	1.2	.9	1.3	.0		17.6	
	22+	.0	.0	.0	.9	.2	.0	.0	.0	.0		1.0	
	TOT %	3.5	2.7	6.4	29.2	15.5	6.1	12.0	8.3	.0	10.0	93.6	
	TOT OBS												499
	TOT PCT	3.7	3.4	7.5	30.6	16.3	6.6	12.5	9.5	.0	10.0	100.0	

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	1.0	7.7	3.8	2.9	.0	.0	.0	15.4	84.6	104
06&09	.0	.0	.0	1.1	3.4	1.1	2.2	1.1	1.1	1.1	11.2	88.8	89
12&15	.9	.0	2.7	6.3	9.5	2.7	9.5	.0	.0	.9	22.3	77.7	112
18&21	.0	.0	.0	2.3	3.1	2.3	3.8	1.5	1.5	.8	15.4	84.6	130
TOT	1	0	3	12	20	11	15	3	3	3	71	364	435
PCT	.2	.0	.7	2.8	4.6	2.5	3.4	.7	.7	.7	16.3	83.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	2.5	97.5	119
06&09	.0	.0	.0	.9	4.5	94.6	111
12&15	.8	.8	.0	.0	12.2	87.8	131
18&21	.7	.0	.0	.0	5.5	93.8	145
TOT	1	0	0	1	32	472	506
PCT	.2	.0	.0	.2	6.3	93.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <SDYD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	1.0	15.2	83.8	99
06&09	.0	.0	2.4	9.4	88.2	85
12&15	1.0	3.9	9.8	12.7	77.5	102
18&21	.0	.8	3.2	13.6	83.2	125
TOT	1	5	17	53	341	411
PCT	.2	1.2	4.1	12.9	83.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.2	1.0	.2	.0	.0	10	2.2
90/94	.0	.0	.0	.7	7.6	7.2	1.3	.9	79	17.7
85/89	.0	.0	.0	.7	4.7	19.3	12.1	4.3	183	41.0
80/84	.0	.0	.0	.0	2.6	10.3	17.3	6.5	163	36.5
75/79	.0	.0	.0	.0	.0	.0	1.3	.7	9	2.0
70/74	.0	.0	.0	.0	.0	.0	.4	.0	2	.4
TOTAL	0	0	0	7	74	165	145	55	446	100.0
PCT	.0	.0	.0	1.6	16.6	37.0	32.5	12.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.0	.0	1.0	.2	.1	.6	.0	.0	.2
.7	1.0	1.5	9.7	3.1	.3	.0	1.5	.0	3.1
1.6	.9	3.1	12.9	7.3	3.0	5.0	2.5	.0	3.8
.8	1.2	2.6	12.1	6.3	3.2	9.5	3.4	.0	2.5
.0	.2	.0	.3	.2	.4	.0	.1	.0	.0
.0	.0	.0	.0	.0	.0	.0	.4	.0	.0
3.4	3.4	7.3	31.9	17.0	7.0	12.6	7.8	.0	9.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	96	94	88	82	80	72	87.9	120
06&09	92	91	90	84	82	80	80	85.0	115
12&15	98	89	86	84	79	74	71	85.1	132
18&21	96	95	94	87	81	78	73	87.4	266
TOT	97	95	93	86	80	78	71	86.2	633

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.0	26.5	42.2	19.6	10.8	76	102
06&09	.0	.9	2.8	39.6	41.5	15.1	81	106
12&15	.0	.9	9.6	26.3	46.5	16.7	82	114
18&21	.0	3.1	26.6	39.1	23.4	7.8	75	128
TOT	0	7	75	165	147	56	78	450

AUGUST

PERIOD: (PRIMARY) 1911-1979
(OVER-ALL) 1882-1979

AREA 0003 GULF OF CALIFORNIA
25.4N 110.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	WO FOG
17/19	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
14/16	.0	.0	.0	.0	.0	.4	.0	2	.0	.4
11/13	.0	.0	.0	.0	.2	.2	.6	5	.0	1.0
9/10	.0	.0	.0	.4	.6	1.0	1.2	16	.0	3.2
7/8	.0	.0	.2	.6	.8	.6	2.2	22	.0	4.4
6	.0	.2	.0	.0	.4	1.6	1.2	17	.0	3.4
5	.0	.0	.0	.2	1.0	2.4	.6	21	.0	4.2
4	.0	.0	.4	.4	1.2	2.6	.8	27	.0	5.4
3	.0	.0	.0	.0	1.8	2.4	.4	23	.0	4.6
2	.0	.4	.4	.8	3.4	1.2	.0	31	.0	6.2
1	.0	.0	.0	.6	5.0	1.0	.0	33	.0	6.6
0	.2	.0	.4	2.6	7.0	.6	.0	54	.0	10.8
-1	.2	.0	.0	2.4	4.4	.2	.0	36	.0	7.2
-2	.0	.0	.4	4.2	5.2	.4	.0	51	.0	10.2
-3	.0	.0	.4	4.2	2.8	.0	.0	47	.0	9.4
-4	.0	.0	.8	7.0	2.0	.0	.0	49	.0	9.8
-5	.0	.0	.6	5.0	.6	.0	.0	31	.0	6.2
-6	.0	.0	.8	1.0	.4	.0	.0	11	.0	2.2
-7/-8	.0	.0	1.2	2.0	.0	.0	.0	16	.0	3.2
-9/-10	.0	.0	.6	.0	.2	.0	.0	5	.0	1.0
TOTAL	2		32		186		35		0	498
		3		167		73		498		
PCT	.4	.6	6.4	33.5	37.3	14.7	7.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	1.3	.0	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-48	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	1.3	.0	.0	.0	.0	2.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-48	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	2.6	.0	.0	.0	.0	2.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	1.0	1.0	.0	.0	.0	.0	2.0
3-4	.0	1.3	1.0	.0	.0	.0	2.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-48	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.4	1.0	.0	.0	.0	5.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	.0	.0	.0	.0	1.0
1-2	1.6	12.5	4.1	.0	.0	.0	18.4
3-4	1.3	3.9	3.3	.0	.0	.0	8.6
5-6	.0	1.3	2.6	1.3	.0	.0	5.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-48	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.3	18.4	10.2	1.3	.0	.0	33.2

AUGUST

PERIOD: (OVER-ALL) 1963-1979 — AREA 0003 GULF OF CALIFORNIA

TABLE 18 (CONT) — 25.4N 110.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	3.3	.0	.0	.0	.0	4.3
1-2	1.3	2.0	4.3	.0	.0	.0	7.6
3-4	.0	3.3	3.6	.0	.0	.0	6.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	8.6	7.9	.0	.0	.0	18.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.6	.0	.0	.0	.0	5.6
1-2	.3	4.6	.7	.0	.0	.0	5.6
3-4	.0	2.0	.0	.0	.0	.0	2.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	12.2	.7	.0	.0	.0	13.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	3.6	.0	.0	.0	.0	4.9
1-2	1.0	3.6	.0	.0	.0	.0	4.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	7.2	.0	.0	.0	.0	9.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	2.6	.0	.0	.0	.0	2.6	
1-2	.0	1.3	1.3	.0	.0	.0	2.6	
3-4	.0	.0	1.3	.0	.0	.0	1.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.9	2.6	.0	.0	.0	6.6	92.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.5	20.5	.0	.0	.0	.0	32.1	
1-2	6.4	25.6	10.3	.0	.0	.0	42.3	
3-4	1.3	10.3	9.0	.0	.0	.0	20.5	
5-6	.0	1.3	2.6	1.3	.0	.0	5.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.2	57.7	21.8	1.3	.0	.0	100.0	78

PERIOD: (OVER-ALL) 1949-1979 — TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.0	34.7	15.3	5.1	1.5	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	275	2
6-7	.5	3.6	4.1	1.7	.7	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	4
8-9	.0	1.7	.5	.7	.5	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	5
10-11	.0	.2	.0	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
12-13	.0	.0	.5	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	12.6	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	0
TOTAL	95	172	86	33	14	8	2	1	0	0	1	0	0	0	0	0	0	0	0	412	2
PCT	23.1	41.7	20.9	8.0	3.4	1.9	.5	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7		.0	91.3
NE	8.0	8.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0		.0	84.0
E	.0	3.9	.0	.0	.0	.0	.0	3.9	2.6	9.7	.0	.0	3.9		.0	79.9
SE	.2	1.4	.0	.0	.0	.0	.0	1.4	.0	5.1	.0	.0	5.4		.0	87.9
S	1.1	.0	.0	.0	.0	.0	.0	1.1	.0	8.0	.0	.0	3.6		.0	87.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	.0	.0	.7		.0	90.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.0		.0	96.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	.0	4.3		.0	92.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8		.0	96.2
TOT PCT	.4	.8	.0	.0	.0	.0	.0	1.3	.2	4.6	.0	.0	4.0		.0	90.0
TOT OBS:	478															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9		.0	93.9
06&09	1.7	.0	.0	.0	.0	.0	.0	1.7	.0	8.7	.0	.0	2.6		.0	87.0
12&15	.0	.9	.0	.0	.0	.0	.0	.9	.0	9.6	.0	.0	1.8		.0	87.7
18&21	.0	1.4	.0	.0	.0	.0	.0	1.4	.7	.7	.0	.0	5.8		.0	91.4
TOT PCT	.4	.8	.0	.0	.0	.0	.0	1.2	.7	4.7	.0	.0	3.9		.0	90.0
TOT OBS:	490															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.4	3.3	.7	.0	.0	.0		5.4	6.2	5.9	.0	6.0	25.0	2.8	.0	6.1	.0
NE	.4	1.7	.8	.0	.0	.0		2.6	7.4	1.9	.0	2.8	.0	2.0	.0	3.2	.0
E	2.1	5.0	.9	.1	.1	.0		8.3	7.8	14.1	.0	4.1	.0	4.3	.0	9.4	.0
SE	1.8	12.0	7.3	1.0	.2	.0		22.3	10.4	33.4	.0	22.9	.0	15.2	100.0	19.7	50.0
S	2.7	9.2	3.4	.5	.0	.0		15.9	8.1	12.8	50.0	23.4	.0	12.2	.0	15.9	.0
SW	1.9	5.3	1.1	.0	.0	.0		8.3	6.7	3.2	.0	6.7	.0	14.6	.0	6.8	.0
W	2.1	6.4	1.2	.0	.0	.0		9.8	6.2	8.2	.0	11.5	.0	14.3	.0	8.0	.0
NW	2.6	10.8	4.1	.0	.0	.0		17.5	7.7	14.5	.0	13.5	25.0	21.5	.0	19.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.9							9.9	.0	5.9	50.0	9.2	50.0	13.0	.0	9.7	50.0
TOT OBS	149	321	115	10	2	0	597		7.3	119	2	109	2	115	1	247	2
TOT PCT	25.0	53.8	19.3	1.7	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.5	1.9	.0	.0	.0		5.4	6.2	5.8	6.3	2.8	6.0
NE	1.3	1.3	.0	.0	.0		2.6	7.4	1.9	2.7	1.9	3.2
E	4.0	3.9	.3	.1	.0		8.3	7.8	13.8	4.1	4.3	9.3
SE	8.2	10.4	3.1	.4	.0		22.3	10.4	33.1	22.5	15.9	20.0
S	8.2	6.7	1.0	.0	.0		15.9	8.1	13.4	23.0	12.1	15.8
SW	5.0	3.1	.2	.0	.0		8.3	6.7	3.1	6.5	14.4	8.7
W	4.4	3.2	.3	.0	.0		9.8	6.2	8.1	11.3	10.2	7.9
NW	9.8	7.7	.7	.0	.0		17.5	7.7	14.3	13.7	21.3	19.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.9						9.9	.0	6.6	9.9	12.9	10.0
TOT OBS	331	230	33	3	0	597		7.3	121	111	116	249
TOT PCT	55.4	38.5	5.5	.5	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979

TABLE 4

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	6.6	14.0	51.2	22.3	5.0	.8	.0	8.6	100.0	121
06&09	9.9	9.9	55.0	22.5	1.8	.9	.0	8.0	100.0	111
12&15	12.9	11.2	56.9	19.0	.0	.0	.0	6.8	100.0	116
18&21	10.0	14.7	53.0	16.5	.8	.0	.0	6.6	100.0	249
TOT	59	90	321	115	10	2	0	7.3		597
PCT	9.9	15.1	53.8	19.3	1.7	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.2	.6	.6	.0		1.4
NE	.6	1.0	.3	.5		4.1
E	3.0	1.5	3.1	.7		3.7
SE	9.6	3.4	5.8	1.7		3.3
S	10.0	1.9	2.6	.4		2.4
SW	4.7	1.4	1.6	.5		2.5
W	5.9	2.6	2.1	.7		2.8
NW	12.1	2.4	1.9	.7		1.9
VAR	.0	.0	.0	.0		.0
CALM	8.4	1.8	.7	.2		1.4
TOT OBS	261	73	82	23	439	2.5
TOT PCT	59.5	16.6	18.7	5.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.5	.0	.0	.0	.8	.0	6.0	
NE	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	1.9	
E	.0	.0	.4	.7	.5	.6	.2	.2	.0	.0	5.6	
SE	.0	.0	.1	1.4	.5	1.3	.3	.0	.0	.0	16.9	
S	.0	.0	.0	.2	.2	.6	.0	.0	.0	.0	14.0	
SW	.1	.0	.2	.7	.0	.5	.0	.0	.0	.0	6.7	
W	.2	.0	.0	.0	.9	.2	.2	.3	.0	.0	9.5	
NW	.0	.0	.0	.0	.3	.5	.5	.1	.0	.0	15.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	10.7	
TOT OBS	1	0	1	14	15	14	5	3	0	0	382	439
TOT PCT	.2	.0	.7	3.2	3.4	3.4	1.1	.7	.0	.0	87.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SOVO	: OR >0
: OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
: OR >5000	.7	.7	.7	.7	.7	.7	.7	.7
: OR >3500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
: OR >2000	5.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6
: OR >1000	8.6	9.0	9.0	9.0	9.0	9.0	9.0	9.0
: OR >600	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
: OR >300	11.5	12.6	12.8	12.8	12.8	12.8	12.8	12.8
: OR >150	11.5	12.6	12.8	12.8	12.8	12.8	12.8	12.8
: OR > 0	11.7	12.8	13.1	13.1	13.1	13.1	13.1	13.1
TOTAL	52	57	58	58	58	58	58	58

TOTAL NUMBER OF OBS: 444

PCT FREQ HH <5/8: 86.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
30.6	22.2	17.9	8.6	6.3	5.0	2.6	4.1	2.8	.0	444

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.2	.1	.2	.0	.0	.0	.0	.0	.4	
	NO PCP	.2	.0	.0	.2	.0	.0	.0	.3	.0	.2	.4	
	TOT %	.2	.0	.2	.3	.2	.0	.0	.3	.0	.2	1.3	
5<10	PCP	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.3	.0	.2	.5	.5	.4	.4	1.0	.0	.2	3.4	
	TOT %	.3	.0	.3	.8	.5	.4	.4	1.0	.0	.2	3.8	
10+	PCP	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	5.5	2.0	7.3	21.5	13.9	7.5	10.4	16.0	.0	10.4	94.5	
	TOT %	5.5	2.4	7.3	21.5	13.9	7.5	10.4	16.0	.0	10.4	94.9	
	TOT OBS												472
	TOT PCT	5.9	2.4	7.8	22.6	14.6	7.8	10.8	17.3	.0	10.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.2	.0	.0	.1	.2	.0	.0	.3	.0		.6	
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.2	.1	.2	.0	.0	.0	.0		.4	
	TOT %	.2	.0	.2	.4	.3	.0	.0	.3	.0	.2	1.5	
5<10	0-3	.0	.0	.0	.0	.2	.1	.0	.0	.0	.2	.4	
	4-10	.2	.0	.2	.3	.2	.3	.4	.3	.0		1.7	
	11-21	.2	.0	.0	.3	.2	.0	.0	.7	.0		1.3	
	22+	.0	.0	.2	.3	.0	.0	.0	.0	.0		.4	
	TOT %	.3	.0	.3	.8	.5	.4	.4	.9	.0	.2	3.8	
10+	0-3	1.2	.1	2.1	1.5	.9	1.4	1.6	2.5	.0	10.3	21.6	
	4-10	3.5	1.7	4.1	11.5	8.6	4.9	7.1	10.1	.0		51.7	
	11-21	.7	.6	1.1	7.4	3.5	1.4	1.4	3.5	.0		19.5	
	22+	.0	.0	.0	1.2	.5	.0	.0	.0	.0		1.7	
	TOT %	5.4	2.4	7.2	21.5	13.8	7.6	10.3	16.1	.0	10.3	94.7	
	TOT OBS												476
	TOT PCT	5.9	2.4	7.7	22.7	14.6	8.0	10.7	17.3	.0	10.7	100.0	

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,HH >4/8) AND OCCURRENCE OF HH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	HH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	5.1	2.5	3.4	.8	.0	.0	.0	12.7	87.3	118
06&09	.0	.0	.0	.0	2.0	3.9	.0	1.0	.0	.0	6.9	93.1	102
12&15	.9	.0	.9	2.8	2.8	3.8	.9	.0	.0	.0	12.3	87.7	106
18&21	.0	.0	.0	3.9	5.4	3.9	2.3	1.6	.0	.0	17.8	82.2	129
TOT	1	0	3	14	15	17	5	3	0	0	58	397	455
PCT	.2	.0	.7	3.1	3.3	3.7	1.1	.7	.0	.0	12.7	87.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.8	2.5	96.7	122
06&09	.0	.0	.0	2.7	4.4	92.9	113
12&15	.0	.0	.0	.9	7.0	92.2	115
18&21	.0	.0	.0	1.4	2.2	96.4	138
TOT	0	0	0	7	19	462	488
PCT	.0	.0	.0	1.4	3.9	94.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,HH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	HH <5/8 AND 5+	TOTAL OBS
00&03	.0	.9	6.0	6.8	87.2	117
06&09	.0	.0	1.0	7.1	91.9	99
12&15	1.0	2.0	5.9	7.8	86.3	102
18&21	.0	.8	6.3	13.5	80.2	126
TOT	1	4	22	40	382	444
PCT	.2	.9	5.0	9.0	86.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.9	.2	.2	.0	6	1.3
90/94	.0	.0	.0	.4	6.0	4.7	1.1	.4	57	12.7
85/89	.0	.2	.2	1.1	6.0	18.9	12.4	1.8	183	40.7
80/84	.0	.0	.0	.7	3.1	11.3	18.2	4.9	172	38.2
75/79	.0	.0	.0	.0	.7	1.3	2.0	1.1	23	5.1
70/74	.0	.0	.0	.0	.0	.0	1.1	.4	7	1.6
65/69	.0	.0	.0	.0	.0	.0	.4	.0	2	.4
TOTAL	0	1	1	10	75	164	160	39	450	100.0
PCT	.0	.2	.2	2.2	16.7	36.4	35.6	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.7	.0	.2	.0	.4	.0	.0
1.2	.6	2.3	2.2	1.8	.6	.6	1.9	.0	1.6
2.7	.3	2.1	11.2	6.5	3.4	3.2	5.9	.0	5.3
1.6	1.4	3.7	8.0	6.6	3.0	5.4	4.8	.0	3.8
.6	.4	.2	.3	.2	1.2	.9	1.1	.0	.2
.0	.0	.0	.0	.0	.0	.4	.9	.0	.2
.0	.0	.0	.0	.2	.0	.0	.2	.0	.0
6.1	2.8	8.2	22.3	15.3	8.4	10.4	15.3	.0	11.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	98	96	94	87	80	68	67	87.2	121
06&09	89	88	87	84	76	68	68	83.3	115
12&15	86	85	85	83	77	71	71	82.4	116
18&21	98	95	93	88	81	75	74	87.1	244
TOT	98	95	92	86	79	71	67	85.5	596

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.2	31.9	36.2	24.1	2.6	73	116
06&09	.0	.9	9.7	36.4	46.7	11.2	80	107
12&15	.0	.0	11.0	26.6	47.7	14.7	81	109
18&21	.0	3.8	16.9	46.9	25.4	6.9	76	130
TOT	0	12	76	171	163	40	77	462

SEPTEMBER

PERIOD: (PRIMARY) 1950-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 66	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	%O FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
14/16	.0	.0	.0	.0	.0	.0	.2	.2	2	.0	.4
11/13	.0	.0	.0	.0	.2	.2	.2	.0	3	.0	.7
9/10	.0	.0	.0	.0	.0	.4	.0	.2	3	.0	.7
7/8	.0	.0	.0	.0	.0	.7	1.1	1.1	13	.0	2.9
6	.0	.0	.0	.0	.2	.0	1.1	.7	9	.0	2.0
5	.0	.0	.0	.0	.0	.4	2.2	.4	14	.0	3.1
4	.0	.2	.0	.2	.2	2.2	1.8	.7	24	.0	5.4
3	.0	.0	.2	.0	.2	1.6	1.1	.2	15	.0	3.4
2	.0	.2	.4	.0	1.6	2.5	1.6	.0	28	.0	6.3
1	.0	.4	.4	.2	1.1	4.3	2.2	.0	39	.0	8.7
0	.2	.2	.2	.0	3.4	5.8	.7	.0	47	.0	10.5
-1	.0	.0	.2	.2	2.9	4.3	.0	.0	34	.0	7.6
-2	.0	.0	.0	.0	5.6	7.6	.2	.0	60	.0	13.4
-3	.0	.2	.0	.7	5.1	4.7	.0	.0	48	.0	10.7
-4	.0	.0	.2	.4	6.3	1.8	.2	.0	40	.0	8.9
-5	.0	.0	.2	.4	4.3	.7	.0	.0	25	.0	5.6
-6	.2	.2	.0	1.1	2.9	.2	.0	.0	21	.0	4.7
-7/-8	.0	.2	.0	1.8	1.8	.2	.0	.0	18	.0	4.0
-9/-10	.0	.0	.0	.7	.0	.0	.0	.0	3	.0	.7
TOTAL	2		9		160		57			0	447
		6		26		166		17	447		
PCT	.4	1.8	2.0	5.8	35.8	37.6	12.8	3.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.7	.0	.0	.0	.0	1.5
1-2	.9	1.3	.0	.0	.0	.0	2.2
3-4	.7	.0	.7	.0	.0	.0	1.3
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	2.0	1.3	.0	.0	.0	5.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.0	.0	.0	.0	.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.8	.0	.0	.0	.0	.0	1.8
1-2	1.5	1.3	.7	.0	.0	.0	3.5
3-4	.0	.0	.9	.0	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.3	1.3	1.5	.0	.0	.0	6.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.1	5.9	2.2	.0	.0	.0	9.2
3-4	.0	5.1	3.7	.0	.0	.0	9.0
5-6	.0	.9	.4	.9	.0	.0	2.2
7	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	12.1	7.5	.9	.0	.0	21.5

PERIOD: (OVER-ALL) 1963-1979

SEPTEMBER

TABLE 18 (CONT)

AREA 0003 GULF OF CALIFORNIA
25.5N 110.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8
1-2	.0	9.0	2.6	.0	.0	.0	11.6	.0	5.7	.9	.0	.0	.0	6.6
3-4	.9	.9	.7	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.9	1.3	.0	.0	.0	2.2	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	10.7	5.0	.0	.0	.0	16.7	.0	7.5	1.0	.0	.0	.0	9.2

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.9	.0	.0	.0	.0	.0	.9	.9	2.0	.9	.0	.0	.0	3.7	
1-2	.9	5.3	.9	.0	.0	.0	7.0	.0	3.9	.9	.0	.0	.0	4.8	
3-4	.0	1.3	1.3	.0	.0	.0	2.6	.2	.4	1.5	.0	.0	.0	2.2	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	6.6	2.2	.0	.0	.0	10.5	1.1	6.4	5.3	.0	.0	.0	12.7	83.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	26.0	4.1	.8	.0	.0	.0	30.9	
1-2	4.9	30.9	7.3	.0	.0	.0	43.1	
3-4	1.6	7.3	8.1	.0	.0	.0	17.1	
5-6	.0	1.6	4.1	.8	.0	.0	6.5	
7	.0	.0	2.4	.0	.0	.0	2.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	32.5	43.9	22.8	.8	.0	.0	100.0	123

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	10.2	35.0	16.5	7.0	.5	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	380	2
6-7	.7	1.9	3.2	1.9	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	4
8-9	.2	.7	.2	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	5
10-11	.0	.7	.0	.5	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
12-13	.0	.0	.2	.0	.2	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
>13	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	12.6	2.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	1
TOTAL	103	176	87	45	11	2	4	2	0	1	0	0	0	0	0	0	0	0	0	531	2
PCT	23.9	40.8	20.2	10.4	2.6	.5	.9	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/O PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0		98.5
NE	1.5	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	6.2	.0		92.3
E	12.1	.0	.0	.0	.0	.0	.0	12.1	.0	6.9	.0	.0	.0	.0		81.0
SE	.0	1.7	.9	.0	.0	.0	.0	2.1	.0	5.0	.0	.0	3.8	.0		89.1
S	2.1	.0	1.6	.0	.0	.0	.0	3.7	.0	3.7	.0	.0	5.9	.0		86.6
SW	.0	2.3	.0	.0	.0	.0	.0	2.3	.0	10.2	.0	.0	2.3	.0		85.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	2.0	.0	3.9	.0		87.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.0	.7	.0		98.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	1.3	.0	.0	7.6	1.3		93.4
TOT PCT	.5	.3	.3	.0	.0	.0	.0	1.2	.0	2.6	.3	.0	2.3	.2		93.4
TOT OBS:	607															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/O PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.4	1.4	.0	.0	.0	.0	.0	2.7	.0	.7	.7	.0	2.1	.0		94.5
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.0	1.9	.0		93.7
12&15	1.3	.0	1.3	.0	.0	.0	.0	2.7	.0	5.3	.0	.0	.0	.0		92.0
18&21	.6	.6	.0	.0	.0	.0	.0	1.2	.0	.6	.6	.0	4.3	.6		91.8
TOT PCT	.8	.5	.3	.0	.0	.0	.0	1.6	.0	2.7	.3	.0	2.4	.2		92.9
TOT OBS:	624															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.1	9.4	5.0	.6	.4	.0		17.7	10.5	20.6	.0	16.3	10.7	17.0	45.8	17.0	.0
NE	.9	1.7	.4	.0	.0	.0		3.0	6.6	2.3	.0	.8	.0	6.0	16.7	2.9	.0
E	1.2	1.6	.2	.0	.1	.0		3.1	6.7	3.5	.0	1.0	14.3	2.4	.0	3.8	.0
SE	1.8	4.0	2.5	.5	.0	.0		8.8	9.0	12.2	.0	12.5	.0	5.6	.0	7.6	.0
S	1.9	4.0	1.7	.3	.0	.0		8.0	7.8	5.7	.0	5.9	.0	10.0	.0	9.8	.0
SW	1.1	3.6	1.6	*	.1	.0		6.5	8.2	4.6	33.3	10.7	.0	5.8	.0	5.7	.0
W	2.0	5.1	.9	.0	.1	.0		8.1	7.0	6.7	.0	4.8	.0	11.7	16.7	8.5	58.3
NW	3.1	18.1	11.1	1.1	.2	.0		33.6	10.2	31.6	66.7	33.2	60.7	30.1	20.8	35.7	8.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	11.2							11.2	.0	12.8	.0	15.3	14.3	10.6	.0	9.1	33.3
TOT OBS	201	376	187	22	8	0	794		8.2	141	3	150	7	142	6	342	3
TOT PCT	25.3	47.4	23.6	2.8	1.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.4	9.6	2.1	.7	.0		17.7	10.5	20.1	16.1	18.9	16.9
NE	1.7	1.3	.0	.0	.0		3.0	6.6	2.3	.8	6.4	2.8
E	2.0	1.0	.0	.1	.0		3.1	6.7	3.5	1.6	2.7	3.8
SE	4.3	3.4	1.0	.1	.0		8.8	9.0	12.0	11.9	5.4	7.5
S	4.4	3.1	.3	.1	.0		8.0	7.8	5.6	5.1	9.6	9.7
SW	3.0	3.3	*	.1	.0		6.5	8.2	5.2	10.2	5.6	5.7
W	4.8	3.1	.2	.1	.0		8.1	7.0	6.6	4.6	11.5	8.9
NW	9.0	20.7	3.1	.7	.0		33.6	10.2	32.3	34.4	29.7	35.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	11.2						11.2	.0	12.5	15.3	10.1	9.3
TOT OBS	362	362	54	16	0	794		8.2	144	157	148	345
TOT PCT	45.6	45.6	6.8	2.0	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	12.5	9.0	49.8	27.8	0.9	.0	.0	8.8	100.0	144
06&09	15.3	10.2	49.7	22.3	1.3	1.3	.0	7.8	100.0	157
12&15	10.1	11.5	52.7	21.6	2.7	1.4	.0	8.5	100.0	148
18&21	9.3	19.1	44.6	23.7	2.6	1.2	.0	8.0	100.0	345
TOT	89	112	376	187	22	8	0	8.2		794
PCT	11.2	14.1	47.4	23.6	2.8	1.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	14.7	2.3	2.0	.4		1.5
NE	1.7	.2	.3	.5		2.6
E	1.3	.7	.5	.2		3.0
SE	6.1	1.4	1.8	.4		2.4
S	4.9	1.4	.8	.6		2.2
SW	4.4	1.4	.9	.4		2.1
W	4.0	1.0	3.0	.3		3.1
NW	21.8	3.1	4.2	.6		1.7
VAR	.0	.0	.0	.0		.0
CALM	9.0	2.0	1.1	.4		1.7
TOT OBS	377	75	81	22	555	2.0
TOT PCT	67.9	13.5	14.6	4.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY WGT	TOTAL OBS
N	.0	.1	.0	.2	.5	.6	.1	.0	.0	.0	17.0	
NE	.0	.0	.0	.0	.2	.1	.0	.2	.0	.2	2.1	
E	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	2.3	
SE	.2	.0	.2	*	.2	.5	.2	.0	.0	.0	8.5	
S	.0	.0	.0	.5	.0	.2	.0	.0	.1	.0	6.8	
SW	.0	.0	.2	.2	.0	.0	.2	.0	*	.0	6.5	
W	.1	.0	.0	.1	.3	.7	.0	.0	.0	.0	7.0	
NW	.2	*	.0	.4	1.0	.5	.2	.0	.2	.2	27.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.2	.0	.4	.2	.2	.0	.0	.4	11.4	
TOT OBS	3	1	3	8	15	16	6	1	2	4	496	555
TOT PCT	.5	.2	.5	1.4	2.7	2.9	1.1	.2	.4	.7	89.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >500YD	: OR >0
: OR >6500	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
: OR >5000	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
: OR >3500	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
: OR >2000	4.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2
: OR >1000	6.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6
: OR >600	7.5	9.1	9.1	9.1	9.1	9.1	9.1	9.1
: OR >300	7.6	9.2	9.2	9.6	9.6	9.6	9.6	9.6
: OR >150	7.8	9.4	9.4	9.8	9.8	9.8	9.8	9.9
: OR > 0	7.8	9.4	9.8	10.1	10.1	10.1	10.1	10.3
TOTAL	44	53	55	57	57	57	57	58

TOTAL NUMBER OF OBS: 563

PCT FREQ NM <5/8: 89.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	.3	TOTAL OBS
44.6	21.3	12.1	6.5	5.3	2.7	2.7	3.2	1.2	.3	587

OCTOBER

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	•	.1	.0	.0	.0	.0	.0	.0	.0	.2	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
	TOT %	.0	•	.1	.0	.0	.0	.2	.0	.0	.0	.3	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.3	
	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
2<5	NO PCP	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.2	.0	.2	.2	.0	.0	.0	.0	.0	.5	
	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.3	
5<10	NO PCP	.3	.1	.2	.3	1.0	.5	.6	1.2	.0	.3	4.4	
	TOT %	.3	.1	.3	.3	1.0	.5	.6	1.2	.0	.5	4.7	
	PCP	.0	.0	.0	•	.3	.2	.0	.0	.0	.0	.5	
10+	NO PCP	18.7	2.4	2.0	9.0	6.3	6.6	7.1	29.2	.0	12.3	93.4	
	TOT %	18.7	2.4	2.0	9.1	6.6	6.7	7.1	29.2	.0	12.3	93.9	
	TOT OBS												595
	TOT PCT	18.9	2.7	2.4	9.8	7.7	7.4	7.9	30.4	.0	12.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	•	.1	.0	.0	.0	.2	.0	.0	.0	.3	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	•	.1	.0	.0	.0	.2	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.2	.0	.2	.0	.0	.0		.3	
	TOT %	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.2	.0	.0	.0	.0		.2	
	11-21	.0	.2	.0	.2	.0	.0	.1	•	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.2	.2	.0	.1	•	.0	.0	.7	
	0-3	.0	.0	.0	.2	.0	.0	.3	.0	.0	.5	1.0	
5<10	4-10	.2	.1	.2	•	.6	.2	.3	.4	.0		2.0	
	11-21	.0	.0	.2	•	.2	.2	.0	.8	.0		1.5	
	22+	.0	.0	.0	.0	.1	•	.0	.0	.0		.2	
	TOT %	.2	.1	.3	.2	1.0	.5	.6	1.2	.0	.5	4.6	
	0-3	1.9	.4	.6	1.4	1.4	.9	1.3	2.6	.0	12.3	22.7	
10+	4-10	10.3	1.7	1.5	4.4	3.2	4.0	5.0	15.2	.0		45.3	
	11-21	5.0	.3	.0	2.6	1.8	1.9	.6	10.3	.0		22.6	
	22+	1.5	.0	.0	.5	.2	.0	.2	1.0	.0		3.3	
	TOT %	18.7	2.4	2.1	9.0	6.5	6.8	7.1	29.1	.0	12.3	93.9	
	TOT OBS												601
	TOT PCT	18.9	2.7	2.6	9.7	7.6	7.4	8.0	30.3	.0	12.8	100.0	

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >6/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.0	.7	.0	2.9	.7	2.1	1.4	.7	.0	.0	8.6	91.4	140
06E09	.0	.0	1.4	.0	2.1	2.8	1.4	.0	.0	.0	7.6	92.4	145
12E15	1.4	.0	.7	2.2	5.1	2.9	.0	.0	.0	.7	13.0	87.0	138
18E21	.6	.6	.0	.6	2.4	3.0	1.2	.0	1.2	1.8	11.6	88.4	164
TOT	3	2	3	8	15	16	6	1	2	4	60	527	587
PCT	.5	.3	.5	1.4	2.6	2.7	1.0	.2	.3	.7	10.2	89.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	2.1	.0	.0	.0	3.4	94.5	146
06E09	.0	.6	.6	.0	3.2	95.5	156
12E15	.7	.0	.7	1.4	7.5	89.8	147
18E21	.0	.0	.0	1.2	4.1	94.7	171
TOT	4	1	2	4	28	581	620
PCT	.6	.2	.3	.6	4.5	93.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1800 <5	1800+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00E03	.7	.7	3.7	5.2	91.1	135
06E09	.0	1.4	1.4	6.4	92.2	141
12E15	.8	1.5	3.8	6.4	87.8	131
18E21	.6	1.3	2.6	10.3	87.2	156
TOT	3	7	16	43	504	563
PCT	.5	1.2	2.8	7.6	89.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.7	1.8	.4	.4	.0	18	3.2
85/89	.0	.0	.0	2.5	4.6	7.0	3.7	.4	103	18.1
80/84	.0	.0	.2	2.1	10.5	18.2	14.0	2.3	270	47.4
75/79	.0	.0	.0	2.3	6.8	8.2	5.3	1.9	140	24.6
70/74	.0	.0	.0	.4	2.1	1.2	.7	.9	38	5.3
65/69	.0	.0	.0	.0	.4	.0	.7	.5	9	1.6
TOTAL	0	0	1	45	149	200	141	34	578	100.0
PCT	.0	.0	.2	7.9	26.1	35.1	24.7	6.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.4	.0	.0	.5	.5	.0	.0	.4	.0	1.2
3.6	.4	1.1	2.5	1.5	2.0	1.2	3.1	.0	2.8
7.0	1.1	.9	5.2	4.3	3.9	3.8	15.4	.0	5.8
6.1	1.1	.7	1.6	1.3	1.5	2.9	6.9	.0	2.5
1.8	.3	.0	.1	.4	.2	.2	2.2	.0	.2
.3	.0	.0	.0	.2	.0	.0	1.0	.0	.2
19.0	2.9	2.7	9.9	8.2	7.6	8.1	29.0	.0	12.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	95	93	90	83	72	71	65	82.5	146
06E09	87	86	85	80	72	66	65	79.8	159
12E15	86	85	84	79	73	68	66	79.0	153
18E21	93	91	90	82	76	71	68	82.7	301
TOT	95	91	89	81	74	68	65	81.4	799

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	13.3	34.1	36.3	13.3	3.0	70	135
06E09	.0	3.2	18.2	32.5	36.4	9.7	78	154
12E15	.0	3.6	19.0	32.4	37.3	7.7	77	142
18E21	.0	13.2	32.9	39.5	11.8	2.6	70	152
TOT	0	48	151	205	145	34	74	583

PERIOD: (PRIMARY) 1910-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	%O FOG
11/13	.0	.0	.0	.0	.2	.2	.0	.0	2	.0	.3
9/10	.0	.0	.0	.0	.0	.2	.2	.2	3	.0	.5
7/8	.0	.0	.3	.3	.2	.3	.4	.2	11	.0	1.8
6	.0	.0	.0	.3	.3	.3	.3	.0	8	.0	1.3
5	.0	.0	.0	.0	.0	.0	.3	.0	2	.0	.3
4	.0	.0	.2	.2	.2	.5	.5	.2	10	.0	1.7
3	.0	.0	.0	.5	.8	2.2	.2	.0	22	.0	3.7
2	.0	.0	.2	.0	.8	1.5	1.0	.0	21	.0	3.5
1	.0	.2	.3	.5	2.4	2.5	.3	.0	37	.0	6.2
0	.0	.0	.2	1.5	4.7	3.4	.5	.0	61	.0	10.3
-1	.0	.2	.2	1.5	4.0	2.2	.0	.0	48	.0	8.1
-2	.3	.2	.2	3.0	5.4	.7	.2	.0	59	.0	9.9
-3	.3	.2	.5	4.4	5.4	1.5	.0	.0	73	.2	12.1
-4	.2	.2	.5	4.5	6.7	.0	.0	.0	72	.2	11.9
-5	.2	.3	1.7	5.4	3.2	.0	.0	.0	64	.0	10.8
-6	.0	.3	1.5	4.0	.8	.0	.0	.0	40	.0	6.7
-7/-8	.2	.3	2.5	2.9	.5	.0	.0	.0	38	.0	6.4
-9/-10	.0	.3	1.8	1.3	.0	.0	.0	.0	21	.0	3.5
-11/-13	.0	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
-14/-16	.3	.0	.0	.0	.0	.0	.0	.0	2	.0	.3
TOTAL	9		61		212		21		595	2	593
		13		181		95		3			
PCT	1.5	2.2	10.3	30.4	35.6	16.0	3.5	.5	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.6	.0	.0	.0	.6
1-2	1.1	9.3	.5	.0	.0	.0	10.9
3-4	.5	3.4	2.6	.0	.0	.0	6.5
5-6	.0	.0	3.4	.0	.0	.0	3.4
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	12.7	7.6	.0	.0	.0	21.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.9	.0	.0	.0	.0	1.9
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	.6	.0	.0	.0	2.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.0	.0	.0	.0	.0	1.1
1-2	.6	.6	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	.6	.0	.0	.0	.0	2.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	.0	.0	.0	.0	1.0
1-2	.0	3.9	.6	.0	.0	.0	4.5
3-4	.0	.3	1.6	.0	.0	.0	1.9
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.6	.6	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.0	3.6	1.3	.0	.0	10.1

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	1.9	1.6	.0	.0	.0	3.6
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	2.3	.0	.0	.0	5.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.4	.0	.0	.0	1.5
3-4	.0	1.0	.6	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.0	1.1	.0	.0	.0	3.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	3.4	.0	.0	.0	.0	3.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.4	.0	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	4.1	.0	.0	.0	.0	5.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	.0	.0	.0	.0	.0	.6	
1-2	.2	9.9	1.5	.0	.0	.0	11.5	
3-4	.2	7.0	5.2	.0	.0	.0	12.3	
5-6	.0	.0	5.7	.0	.0	.0	5.7	
7	.0	.0	1.5	.0	.0	.0	1.5	
8-9	.0	.0	.6	.0	.0	.0	.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	16.9	14.4	.0	.0	.0	32.1	83.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	21.0	3.2	.6	.0	.0	.0	29.0	
1-2	1.9	28.7	3.2	.0	.0	.0	33.8	
3-4	.6	13.4	11.5	.0	.0	.0	25.5	
5-6	.0	.6	10.8	.0	.0	.0	11.5	
7	.0	.0	2.5	.6	.0	.0	3.2	
8-9	.0	.0	.6	.0	.0	.0	.6	
10-11	.0	.0	.0	.6	.0	.0	.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.6	45.9	29.3	1.3	.0	.0	100.0	157

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	11.7	27.8	15.7	9.6	2.4	.2	.5	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	596	2
6-7	.0	3.1	3.3	2.4	1.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	4
8-9	.4	.4	.5	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
10-11	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
12-13	.0	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	15.4	3.1	1.8	1.3	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	120	1
TOTAL	150	191	138	85	29	2	4	1	3	2	0	0	0	0	0	0	0	0	0	947	2
PCT	27.4	34.9	21.6	8.2	5.3	.4	1.1	.2	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
29.5N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.7	.0	.0	.0	.0	.0	.0	.7	.5	.5	.0	.0	5.6		.0	92.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3		.0	85.7
E	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	7.5		.0	82.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.0	.0	.0		.0	92.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	.0	.0	1.9		.0	91.7
NW	.0	.4	.4	.0	.0	.0	.0	.9	.1	.8	.4	.0	3.6		.0	94.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	9.1		.0	93.8
TOT PCT	.2	.2	.4	.0	.0	.0	.0	.6	.2	1.3	.2	.0	4.2		.0	93.3
TOT OBS:	523															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	.0	8.3		.0	90.2
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.3	.0	.0	4.1		.0	91.7
12&15	.7	.7	.7	.0	.0	.0	.0	2.0	.0	1.3	.7	.0	1.3		.0	94.8
18&21	.0	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	.0	3.3		.0	95.9
TOT PCT	.2	.2	.4	.0	.0	.0	.0	.8	.2	1.3	.4	.0	4.2		.0	93.2
TOT OBS:	529															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.0	10.2	11.7	1.5	.2	.0		25.7	12.1	34.4	.0	27.7	.0	24.2	.0	22.5	.0
NE	.0	2.4	.8	.0	.0	.0		3.9	7.8	5.7	.0	5.1	.0	4.4	.0	1.9	.0
E	.4	1.2	.6	.0	.0	.0		2.2	8.4	1.5	.0	2.3	.0	.7	37.5	2.8	.0
SE	.0	1.5	.3	.1	.0	.0		2.7	6.9	3.7	.0	2.1	.0	.8	12.5	3.3	.0
S	.9	1.2	.1	.0	.0	.0		2.2	4.9	1.3	.0	3.5	.0	1.8	.0	2.3	.0
SW	.3	1.5	1.2	.0	.0	.0		2.9	10.0	3.5	.0	2.1	.0	2.7	.0	3.1	.0
W	1.1	4.5	2.1	.1	.0	.0		7.8	8.4	7.6	.0	9.2	.0	8.1	.0	7.3	.0
NW	3.4	23.7	16.1	4.6	.2	.0		46.0	11.8	40.0	.0	45.0	.0	46.6	50.0	48.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.6							6.6	.0	2.2	.0	5.0	.0	10.7	.0	7.1	.0
TOT OBS	123	336	248	49	3	0	759		10.3	135	0	120	0	149	2	353	0
TOT PCT	16.2	44.3	32.7	6.5	.4	.0		100.0		100.0	.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	6.1	14.4	4.6	.6	.0		25.7	12.1	14.4	27.7	23.8	22.5	
NE	2.2	1.2	.5	.0	.0		3.9	7.8	5.7	5.1	4.3	3.1	
E	1.3	.7	.3	.0	.0		2.2	8.4	1.5	2.3	1.2	2.8	
SE	1.8	.8	.0	.1	.0		2.7	6.9	3.7	2.1	1.0	3.3	
S	1.7	.5	.0	.0	.0		2.2	4.9	1.3	3.5	1.8	2.3	
SW	.9	1.7	.4	.0	.0		2.9	10.0	3.5	2.1	2.6	3.1	
W	3.5	3.7	.6	.0	.0		7.8	8.4	7.6	9.2	7.9	7.3	
NW	12.4	23.0	9.2	1.4	.0		46.0	11.8	40.0	45.0	46.7	48.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	6.6						6.6	.0	2.2	5.0	10.6	7.1	
TOT OBS	276	349	118	16	0	759		10.3	135	120	151	353	
TOT PCT	36.4	46.0	15.5	2.1	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1907-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
29.5N 110.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.2	9.6	39.3	40.7	6.7	1.5	.0	11.9	100.0	135
06&09	5.0	6.7	47.5	35.0	5.8	.0	.0	10.2	100.0	120
12&15	10.6	6.0	40.4	34.4	8.6	.0	.0	10.9	100.0	151
18&21	7.1	12.2	46.7	26.0	5.7	.3	.0	9.4	100.0	353
TOT	50	73	336	288	69	3	0	10.3		759
PCT	6.6	9.6	44.3	37.7	9.5	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	17.6	9.3	9.9	1.9		2.4
NE	1.5	.7	1.0	.3		3.6
E	1.0	.4	.5	.2		3.2
SE	1.9	.9	.2	.1		1.8
S	1.6	.0	.4	.4		2.6
SW	2.1	.2	.7	.2		2.5
W	9.2	1.2	1.5	.5		2.7
NW	27.8	5.1	7.8	2.0		2.2
VAR	.0	.0	.0	.0		.0
CALM	5.0	.4	.2	.4		1.2
TOT OBS	312	65	89	33	499	2.3
TOT PCT	62.5	13.0	17.8	6.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.2	.2	.0	.7	.0	2.2	.5	.2	.5	.2	24.2	
NE	.0	.0	.5	.2	.2	.5	.4	.2	.0	.0	2.3	
E	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.7	
SE	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	2.8	
S	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	1.8	
SW	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	3.1	
W	.0	.0	.0	.0	.2	.2	.2	.2	.0	.0	6.6	
NW	.0	.3	.2	.6	1.4	1.2	1.8	.3	.6	.2	37.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0	5.6	
TOT OBS	1	1	5	7	10	23	15	4	5	2	424	499
TOT PCT	.2	.6	1.0	1.4	2.0	4.6	3.0	.8	1.0	.4	85.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
: OR >5000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
: OR >3500	4.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2
: OR >2000	8.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6
: OR >1000	10.4	11.6	11.6	11.6	11.6	11.6	11.6	11.6
: OR >600	11.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0
: OR >300	12.4	13.8	14.0	14.0	14.0	14.0	14.0	14.0
: OR >150	12.6	14.2	14.6	14.6	14.6	14.6	14.6	14.6
: OR > 0	12.6	14.2	14.6	14.8	14.8	14.8	14.8	14.8
TOTAL	69	71	74	74	74	74	74	74

TOTAL NUMBER OF OBS: 501

PCT FREQ NM <5/8: 85.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
44.8	16.1	10.2	8.6	3.1	4.3	4.5	2.8	3.5	.0	509

NOVEMBER

PERIOD: (PRIMARY) 1967-1979
(OVER-ALL) 1880-1979

TABLE 8

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	
	TOT %	.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	.8	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.3	1.4	.1	.0	.0	.0	.2	2.1	.0	.0	6.1	
	TOT %	2.3	1.4	.1	.0	.0	.0	.2	2.1	.0	.0	6.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	NO PCP	25.7	2.9	1.6	2.9	2.5	3.0	7.3	40.8	.0	5.9	92.7	
	TOT %	25.7	2.9	1.6	2.9	2.5	3.0	7.3	41.2	.0	5.9	93.1	
	TOT OBS												522
	TOT PCT	28.4	4.4	1.9	2.9	2.5	3.0	7.5	43.2	.0	6.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.2	.0	.2	.0	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.0	.7	.0	.0	.0	.0	.0	.0	.2	.8	
5<10	0-3	.1	.2	.1	.0	.0	.0	.0	.6	.0	.0	1.1	
	4-10	1.4	1.0	.0	.0	.0	.0	.2	.5	.0		3.0	
	11-21	.5	.2	.0	.0	.0	.0	.0	.5	.0		1.1	
	22+	.3	.0	.0	.0	.0	.0	.0	.5	.0		.8	
	TOT %	2.3	1.4	.1	.0	.0	.0	.2	2.0	.0	.0	6.1	
10+	0-3	1.2	.6	.1	.5	.9	.0	.5	2.5	.0	5.9	12.2	
	4-10	9.8	1.6	.9	2.0	1.7	1.4	6.0	17.9	.0		39.6	
	11-21	12.8	.7	.5	.4	.0	1.6	2.7	16.3	.0		35.0	
	22+	1.8	.0	.0	.0	.0	.0	.2	4.7	.0		6.7	
	TOT %	25.7	2.9	1.6	2.9	2.5	3.0	7.4	41.3	.0	5.9	93.2	
	TOT OBS												526
	TOT PCT	28.3	4.3	1.9	2.9	2.5	3.0	7.6	43.3	.0	6.1	100.0	

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1880-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >0/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.8	1.5	.0	.8	6.0	1.5	1.5	.8	.0	12.8	87.2	133
06&09	.0	.0	.0	2.7	1.8	4.5	2.7	.0	.9	.0	12.6	87.4	111
12&15	.7	.7	.7	2.1	3.5	2.8	2.8	.7	2.1	.0	16.2	83.8	142
18&21	.0	.8	1.7	.8	1.7	5.0	5.0	.8	.0	1.7	17.4	82.6	121
TOT	1	3	5	7	10	23	15	4	5	2	75	432	507
PCT	.2	.6	1.0	1.4	2.0	4.5	3.0	.8	1.0	.4	14.8	85.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.4	92.6	136
06&09	.0	.0	.0	.0	5.0	95.0	120
12&15	.0	.0	.0	1.3	7.8	90.9	154
18&21	.0	.0	.0	1.6	4.1	94.3	122
TOT	0	0	0	4	33	495	532
PCT	.0	.0	.0	.8	6.2	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >0/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.0	2.3	2.3	10.7	87.0	131
06&09	.0	.0	2.8	10.1	87.2	109
12&15	.7	2.1	4.3	12.1	83.7	141
18&21	.0	2.5	4.2	13.3	82.5	120
TOT	1	9	17	58	426	501
PCT	.2	1.8	3.4	11.6	85.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.6	.0	.0	.0	3	.6
85/89	.0	.0	.0	1.0	.8	.6	.2	.0	13	2.6
80/84	.0	.0	.0	3.0	5.7	4.9	1.0	.6	75	15.2
75/79	.0	.0	.6	3.0	10.4	16.3	5.7	2.2	188	38.2
70/74	.0	.0	1.4	2.8	8.7	8.1	6.9	2.0	148	30.1
65/69	.0	.0	.8	1.2	2.8	1.8	3.3	1.4	56	11.4
60/64	.0	.0	.0	.0	.2	.6	.6	.4	9	1.8
TOTAL	0	0	14	55	144	159	87	33	492	100.0
PCT	.0	.0	2.8	11.2	29.3	32.3	17.7	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.4	.0	.0	.0	.0	.0	.0	.3	.0	.0
	.8	.0	.0	.1	.2	.1	.2	1.2	.0	.2
	4.1	.9	.4	1.0	.4	.7	.6	6.1	.0	1.0
	10.5	1.5	.6	.7	1.1	1.0	2.8	17.4	.0	2.4
	7.8	1.2	.6	.5	.5	1.1	3.5	12.8	.0	2.2
	4.2	.1	.4	.7	.2	.4	1.1	9.6	.0	.0
	.9	.1	.0	.0	.2	.1	.0	.5	.0	.2
	28.7	3.7	2.0	2.9	2.5	3.2	8.1	42.8	.0	6.1

TABLE 15

MEANS,EXTREMS AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	92	87	78	68	66	64	77.3	136
06&09	82	81	79	74	66	64	60	73.5	121
12&15	82	81	79	73	66	64	60	73.2	154
18&21	94	90	86	76	68	64	64	76.7	337
TOT	94	89	85	76	67	64	60	75.5	748

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	22.4	29.6	34.4	9.6	4.0	68	125
06&09	.0	7.7	30.8	32.5	20.5	8.5	73	117
12&15	.0	7.1	22.9	33.6	27.1	9.3	75	140
18&21	.0	20.0	33.9	27.8	12.2	6.1	69	115
TOT	0	70	144	160	88	35	72	497

NOVEMBER

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1880-1979

TABLE 17

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
11/13	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	2	.0	.4
9/10	.0	.0	.0	.0	.2	.6	.6	.4	.2	.2	11	.0	2.2
7/8	.0	.0	.0	.0	.2	.6	.8	.2	.2	.0	10	.0	2.0
6	.0	.0	.0	.4	.2	.4	.6	.4	.0	.0	10	.0	2.0
5	.0	.0	.0	.4	.2	.2	1.2	.4	.0	.0	12	.0	2.4
4	.0	.0	.0	.4	.2	1.0	1.0	.4	.0	.0	15	.0	3.0
3	.0	.2	.0	.0	.2	.2	.4	.2	.0	.0	6	.2	1.0
2	.0	.0	.0	1.0	1.2	1.6	1.4	.0	.0	.0	26	.2	5.0
1	.0	.0	.0	.4	1.0	.8	.8	.0	.0	.0	15	.0	3.0
0	.0	.0	.2	.2	1.0	3.4	1.6	.0	.0	.0	32	.0	6.3
-1	.0	.0	.0	.4	1.4	3.2	.6	.0	.0	.0	28	.0	5.5
-2	.0	.0	.2	.8	2.8	2.8	.8	.0	.0	.0	37	.0	7.3
-3	.0	.0	.4	1.4	3.4	3.2	.0	.0	.0	.0	42	.0	8.3
-4	.0	.2	1.0	2.2	3.6	2.0	.4	.0	.0	.0	47	.0	9.3
-5	.0	.2	1.0	2.2	4.4	3.4	.0	.0	.0	.0	56	.0	11.1
-6	.0	.0	1.0	2.4	3.8	2.6	.0	.0	.0	.0	49	.0	9.7
-7/-8	.2	.2	1.6	5.0	4.2	1.0	.0	.0	.0	.0	61	.0	12.1
-9/-10	.2	.4	2.0	2.2	.8	.0	.0	.0	.0	.0	28	.0	5.5
-11/-13	.0	.2	1.0	.2	.8	.0	.0	.0	.0	.0	11	.0	2.2
-14/-16	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	5	.0	1.0
-17/-19	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2	11	42	100	148	135	51	12	7	1	505	2	503
PCT	.4	2.2	8.3	19.8	29.3	26.7	10.1	2.4	1.4	.2	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.0	3.9	1.0	.0	.0	.0	4.9
3-4	.7	6.3	4.4	1.0	.0	.0	12.3
5-6	.0	1.0	10.0	.0	.0	.0	11.0
7	.0	.7	1.0	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	13.5	16.4	1.0	.0	.0	31.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.6	.0	.0	.0	.0	1.7
1-2	.7	1.7	.0	.0	.0	.0	2.4
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	2.7	.2	.0	.0	.0	4.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.0	.0	.0	.0	.0	.5
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.2	.5	.0	.0	.0	2.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	1.4	.0	.0	.0	.0	1.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.8	.0	.0	.0	.0	2.8

PERIOD: (OVER-ALL) 1963-1979

NOVEMBER

TABLE 18 (CONT)

AREA 0001 GULF OF CALIFORNIA
25.5N 110.2W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	.7	.0	.0	.0	.0	.7
3-4	1.4	.0	.0	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	1.4	.0	.0	.0	.0	2.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.2	.8	.0	.0	.0	1.0
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	2.9	.0	.0	.0	4.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.5	.0	.0	.0	.0	1.2
1-2	.0	2.2	.7	.0	.0	.0	2.9
3-4	.0	2.4	1.9	.0	.0	.0	4.2
5-6	.0	.7	1.4	.7	.0	.0	2.7
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	5.7	4.4	.7	.0	.0	11.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.2	.0	.0	.0	.0	4.2
1-2	.0	5.7	5.1	.0	.0	.0	10.8
3-4	.0	4.6	5.7	.3	.0	.0	10.6
5-6	.0	1.0	3.5	.7	.0	.0	5.2
7	.0	.0	2.5	.7	.0	.0	3.2
8-9	.0	.0	.0	.7	.0	.0	.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.5	16.9	2.4	.0	.0	34.8

HGT	TOTAL PCT
<1	4.2
1-2	10.8
3-4	10.6
5-6	5.2
7	3.2
8-9	.7
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	94.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.4	10.1	.0	.0	.0	.0	17.6	
1-2	.7	16.9	6.8	.0	.0	.0	24.3	
3-4	2.0	13.5	12.8	1.4	.0	.0	29.7	
5-6	.0	2.7	16.9	1.4	.0	.0	20.9	
7	.0	.7	4.7	.7	.0	.0	6.1	
8-9	.0	.0	.0	.7	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.1	44.6	41.2	4.1	.0	.0	100.0	148

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.6	22.6	17.7	12.1	5.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	279	3
6-7	.5	3.0	4.0	5.3	2.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66	4
8-9	.2	1.4	3.0	1.4	1.2	.5	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	5
10-11	.0	.5	.2	.5	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
12-13	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	7.7	.2	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	1
TOTAL	73	119	108	83	31	10	3	0	2	1	0	0	0	0	0	0	0	0	0	430	3
PCT	17.0	27.7	25.1	19.3	7.2	2.3	.7	.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.4	.9	.0	.0	.0	.0	1.3	.9	.9	1.3	.0	3.0	.0	.0	92.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	98.2
E	.0	.0	12.1	.0	.0	.0	.0	12.1	.0	.0	.0	.0	20.2	.0	.0	63.6
SE	11.2	.0	3.7	.0	.0	.0	.0	15.0	.0	3.7	8.4	.0	12.1	.0	.0	60.7
S	4.5	.0	4.5	.0	.0	.0	.0	4.5	.0	.0	3.4	.0	3.4	.0	.0	88.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.6	.1	.0	.0	.0	.0	.7	.1	.1	3.1	.0	4.7	.0	.0	91.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	97.5
TOT PCT	.7	.4	.9	.0	.0	.0	.0	1.8	.4	.5	2.4	.0	4.0	.0	.0	90.4
TOT OBS:	550															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.7	.0	2.0	.0	.0	.0	.0	2.6	.7	.0	2.6	.0	4.5	.0	.0	87.6
06&09	2.1	.0	2.1	.0	.0	.0	.0	3.1	.0	2.1	1.0	.0	1.0	.0	.0	92.8
12&15	.7	.7	.0	.0	.0	.0	.0	1.4	.0	.0	2.7	.0	1.4	.0	.0	94.6
18&21	.6	.6	.0	.0	.0	.0	.0	1.3	.6	.6	4.4	.0	5.0	.0	.0	87.5
TOT PCT	.9	.4	.9	.0	.0	.0	.0	2.0	.4	.5	2.4	.0	3.9	.0	.0	90.3
TOT OBS:	550															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.7	13.3	13.6	2.7	.4	.0		33.0	12.3	42.6	26.5	34.2	.0	32.9	28.6	28.6	.0
NE	.2	1.4	.6	.0	.0	.0		2.2	9.9	2.5	5.9	2.1	.0	2.6	.0	1.7	.0
E	.3	1.0	.0	.0	.0	.0		1.2	5.6	3.2	.0	1.7	.0	.5	.0	.6	.0
SE	.9	2.0	.9	.0	.0	.0		4.2	7.5	4.2	.0	6.6	.0	4.5	.0	3.7	.0
S	.9	1.4	.8	.1	.0	.0		3.1	8.5	1.2	.0	6.8	.0	7.2	.0	3.0	.0
SW	.0	1.5	.6	.0	.0	.0		2.0	10.2	1.1	.0	2.8	.0	2.2	.0	2.2	.0
W	.8	2.5	.9	.1	.0	.0		4.4	8.1	3.7	5.9	3.5	.0	4.7	.0	5.9	.0
NW	1.9	12.0	22.0	6.4	.2	.0		42.9	14.3	39.6	61.8	35.6	.0	45.4	71.4	48.2	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.0							7.0	.0	6.7	.0	6.6	.0	9.6	.0	6.7	.0
TOT OBS	110	268	301	71	5	0	755		11.6	180	17	106	0	156	14	313	0
TOT PCT	14.6	35.5	39.9	9.4	.7	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.0	16.9	7.3	.9	.0		33.0	12.3	41.0	34.2	32.5	28.6
NE	.6	1.4	.1	.0	.0		2.2	9.9	2.9	2.1	2.4	1.7
E	.9	.4	.0	.0	.0		1.2	5.6	2.9	1.7	.4	.6
SE	2.3	1.8	.2	.0	.0		4.2	7.5	3.8	6.6	4.1	3.7
S	1.5	1.1	.5	.0	.0		3.1	8.5	1.1	6.8	2.9	3.0
SW	.4	1.4	.1	.0	.0		2.0	10.2	1.2	2.8	2.1	2.2
W	1.6	2.5	.3	.0	.0		4.4	8.1	3.9	3.5	3.8	5.3
NW	6.4	20.1	14.9	1.5	.0		42.9	14.3	17.3	39.6	42.9	48.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.0						7.0	.0	6.0	6.6	6.8	6.7
TOT OBS	216	343	178	18	0	755		11.6	166	106	170	313
TOT PCT	28.6	45.4	23.6	2.4	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1961-1979

AREA 0083 GULF OF CALIFORNIA
29.0N 110.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.0	5.6	37.3	40.4	11.4	1.2	.0	12.6	100.0	166
06&09	6.6	8.5	35.8	40.6	7.5	.9	.0	11.6	100.0	106
12&15	8.8	5.9	35.3	39.4	10.0	.6	.0	11.6	100.0	170
18&21	6.7	10.2	34.5	39.6	8.6	.3	.0	11.1	100.0	311
TOT	53	57	268	301	71	5	0	11.6		754
PCT	7.0	7.5	35.5	39.9	9.4	.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	16.0	4.5	10.5	5.0		3.5
NE	1.8	.1	.8	.4		3.2
E	.9	.2	.2	.2		3.2
SE	1.8	.3	1.5	1.7		4.5
S	1.3	.7	1.1	1.3		4.5
SW	1.4	.6	.4	.0		2.3
W	3.2	.7	.8	.6		2.0
NW	21.9	4.1	6.7	2.5		2.4
VAR	.0	.0	.0	.0		.0
CALM	4.3	1.5	1.3	.9		2.5
TOT OBS	244	57	104	59	464	3.0
TOT PCT	52.6	12.3	22.4	12.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,WW >4/8) AND OCCURRENCE OF WW <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	WW <5/8 ANY HGT	TOTAL OBS
N	.4	.0	.2	1.5	.9	2.4	2.6	.6	.4	.4	26.6	
NE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	2.7	
E	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	1.1	
SE	.1	.0	.0	.5	.6	.4	.4	.0	.0	.2	3.0	
S	.2	.0	.2	.4	.2	.4	.0	.0	.0	.2	2.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	2.2	
W	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	4.8	
NW	.5	.0	.2	.6	.6	2.3	.8	.5	.3	.6	20.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.4	.4	.2	.2	.2	6.5	
TOT OBS	5	0	3	15	11	28	21	7	5	9	360	464
TOT PCT	1.1	.0	.6	3.2	2.4	6.0	4.5	1.5	1.1	1.9	77.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (WW >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5280	: OR >0
: OR >6500	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
: OR >5000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
: OR >3500	8.5	8.9	8.9	8.9	8.9	8.9	8.9	8.9
: OR >2000	13.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0
: OR >1000	15.7	17.0	17.0	17.2	17.2	17.2	17.2	17.2
: OR >600	18.1	20.0	20.0	20.3	20.3	20.3	20.3	20.3
: OR >300	18.3	20.5	20.5	20.7	20.7	20.7	20.7	20.7
: OR >150	18.3	20.5	20.5	20.7	20.7	20.7	20.7	20.7
: OR > 0	19.0	21.4	21.4	21.6	21.6	21.8	21.8	21.8
TOTAL	87	98	98	99	99	100	100	100

TOTAL NUMBER OF OBS: 459

PCT FREQ WW <5/8: 78.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
40.5	14.3	10.6	7.7	5.5	5.6	6.0	4.1	6.0	.8	442

DECEMBER

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.5	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	
	TOT %	.5	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	PCP	.1	.0	.2	.7	.0	.0	.0	.2	.0	.0	1.3	
5<10	NO PCP	2.7	*	.4	1.0	.6	.2	.2	5.3	.0	.5	11.0	
	TOT %	2.8	*	.5	1.7	.6	.2	.2	5.5	.0	.5	12.3	
	PCP	.1	.0	.0	.0	.2	.0	.0	*	.0	.0	.4	
10+	NO PCP	32.5	2.5	1.0	2.7	3.1	2.2	3.9	30.7	.0	6.6	85.2	
	TOT %	32.6	2.5	1.0	2.7	3.3	2.2	3.9	30.7	.0	6.6	85.5	
	TOT OBS												596
	TOT PCT	35.9	2.5	1.5	4.7	4.0	2.4	4.1	37.6	.0	7.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	*	.1	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.2	
	0-3	.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.5	
1/2<1	4-10	.2	.0	.0	.0	.0	.0	.0	.4	.0		.5	
	11-21	.1	.0	.0	.0	.0	.0	.0	.5	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.5	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	
	0-3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	0-3	.5	.0	.0	.2	.2	.0	.0	.4	.0	.5	1.0	
5<10	4-10	1.0	*	.5	1.0	.3	.2	.0	2.1	.0		5.1	
	11-21	1.2	.0	.0	.6	.1	.0	.2	1.9	.0		4.0	
	22+	.1	.0	.0	.0	.0	.0	.0	1.1	.0		1.3	
	TOT %	2.8	*	.5	1.7	.6	.2	.2	5.5	.0	.5	12.2	
	0-3	1.9	.3	.2	.6	.6	.0	.4	.9	.0	6.5	11.6	
10+	4-10	13.5	1.8	.6	1.6	1.3	1.5	2.4	6.6	.0		29.5	
	11-21	13.5	.6	.0	.5	.9	.7	.9	18.8	.0		35.1	
	22+	3.7	.0	.0	.0	.2	.0	.2	5.0	.0		9.5	
	TOT %	32.6	2.6	1.0	2.7	3.2	2.2	3.9	30.9	.0	6.5	85.6	
	TOT OBS												550
	TOT PCT	35.9	2.7	1.5	4.7	4.0	2.4	4.0	37.7	.0	7.1	100.0	

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.0N 110.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00E03	1.5	.0	.0	1.5	2.3	5.3	7.6	1.5	.0	3.0	22.7	77.3	132
06E09	1.2	.0	1.2	2.4	3.6	6.0	2.4	.0	.0	.0	16.9	83.1	83
12E15	1.6	.0	.8	4.1	.8	4.1	3.3	2.4	.0	2.4	19.5	80.5	123
18E21	.0	.0	.7	4.4	3.0	8.1	3.7	1.5	3.7	1.5	26.7	73.3	135
TOT	5	0	3	15	11	28	21	7	5	9	104	369	473
PCT	1.1	.0	.6	3.2	2.3	5.9	4.4	1.5	1.1	1.9	22.0	78.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OPS
00E03	.7	2.0	.0	.0	12.5	84.9	152
06E09	.0	.0	1.0	1.0	13.4	84.5	97
12E15	.7	1.3	.0	.0	12.7	85.3	150
18E21	.0	3.8	.0	.0	12.6	83.6	159
TOT	2	11	1	1	71	472	558
PCT	.4	2.0	.2	.2	12.7	84.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00E03	1.6	1.6	3.1	19.5	77.3	129
06E09	1.3	2.5	7.5	10.0	82.5	80
12E15	1.7	2.5	5.9	13.4	80.7	119
18E21	.0	.0	4.5	22.0	73.5	132
TOT	5	7	23	78	358	459
PCT	1.1	1.5	5.0	17.0	78.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.6	.0	.2	.0	4	.8
75/79	.0	.0	.0	.6	1.9	3.4	1.3	.2	35	7.4
70/74	.0	.0	.4	1.7	5.7	12.3	7.4	3.2	145	30.8
65/69	.0	.2	.2	2.1	5.1	15.9	11.7	4.7	188	39.9
60/64	.0	.0	.0	1.3	2.3	6.8	7.4	1.5	91	19.3
55/59	.0	.0	.0	.4	.2	.6	.2	.2	8	1.7
TOTAL	0	1	3	29	75	184	133	46	471	100.0
PCT	.0	.2	.6	6.2	15.9	39.1	28.2	9.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.6	.1	.0	.0	.0	.0	.0	.2	.0	.0
	3.6	.3	.2	.0	.4	.7	.4	1.2	.0	.6
	12.2	.8	.4	2.9	1.0	.7	.5	10.1	.0	2.3
	15.3	.7	.6	1.2	2.5	1.0	1.8	13.3	.0	3.4
	5.3	.5	.6	1.2	.6	.0	1.1	9.0	.0	1.1
	.7	.0	.0	.0	.0	.0	.0	.7	.0	.2
	37.8	2.4	1.8	5.3	4.5	2.4	3.7	34.6	.0	7.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	84	82	78	70	62	59	57	69.7	171
06E09	78	75	74	68	61	55	55	67.7	106
12E15	77	75	73	67	60	56	55	67.1	177
18E21	86	82	78	70	63	60	58	70.1	302
TOT	86	81	77	69	61	58	55	69.0	756

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	11.5	19.1	36.6	26.0	6.9	74	131
06E09	.0	5.7	13.8	37.9	26.4	16.1	77	87
12E15	.0	1.6	10.9	43.8	34.4	9.4	77	128
18E21	.0	8.7	19.7	37.8	25.2	8.7	75	127
TOT	0	33	76	185	133	46	76	473

DECEMBER

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.6N 110.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.4	.4	.0	.0	4	.0	.8
7/8	.0	.0	.0	.0	.2	.2	.4	.0	4	.2	.6
6	.0	.0	.0	.2	.6	.0	.2	.0	5	.2	.8
5	.0	.0	.0	.0	.8	1.4	.6	.4	16	.2	3.0
4	.0	.0	.0	.6	.8	.2	.8	.0	12	.0	2.4
3	.0	.0	.0	1.2	1.0	1.8	.6	.0	23	.0	4.5
2	.0	.0	.0	.4	1.4	.8	.0	.0	13	.0	2.6
1	.0	.0	.2	1.4	1.0	.8	.4	.2	20	.2	3.7
0	.0	.0	.8	2.2	1.8	1.4	.2	.0	32	.8	5.5
-1	.0	.0	2.4	3.3	2.4	2.2	.2	.0	54	.2	10.4
-2	.0	.4	2.6	3.0	2.8	1.0	.4	.0	51	.2	9.8
-3	.0	.8	2.7	4.3	3.4	1.0	.0	.0	62	.4	11.8
-4	.0	.0	1.7	2.6	4.7	.6	.0	.0	46	.0	9.1
-5	.0	.0	1.2	3.5	3.1	.4	.0	.0	42	.0	8.3
-6	.0	.0	1.0	3.7	2.6	.2	.0	.0	38	.0	7.5
-7/-8	.2	.6	2.2	3.7	2.6	.6	.0	.0	50	.0	9.8
-9/-10	.0	.2	1.0	2.2	.8	.0	.0	.0	21	.0	4.1
-11/-13	.0	.6	.8	.6	.2	.0	.0	.0	11	.0	2.2
-14/-16	.0	.4	.4	.0	.0	.0	.0	.0	4	.0	.8
TOTAL	1		81		157		19			12	496
		15		167		65		3	508		
PCT	.2	3.0	15.9	32.9	30.9	12.8	3.7	.6	100.0	2.4	97.6

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	2.1	.0	.0	.0	.0	3.5
1-2	.0	7.2	2.7	.0	.0	.0	10.0
3-4	.0	3.1	5.9	.4	.0	.0	10.0
5-6	.0	.0	3.5	1.2	.0	.0	4.7
7	.0	.0	3.9	.0	.0	.0	3.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	12.7	16.0	2.0	.0	.0	32.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.0	.0	.0	.0	.2
1-2	.0	1.8	.0	.0	.0	.0	1.8
3-4	.0	.4	.8	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.1	.8	.0	.0	.0	3.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	.0	.0	.0	.0	2.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	1.0	.8	.0	.0	.0	1.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	.8	.0	.0	.0	3.5

PERIOD: (OVER-ALL) 1963-1979 DECEMBER AREA 0003 GULF OF CALIFORNIA

TABLE 18 (CONT) 25.6N 110.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	1.6	1.6	.0	.0	.0	3.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	1.6	.0	.0	.0	5.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	.8	.8	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	1.6	.0	.0	.0	4.9

b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	1.6	.0	.0	.0	2.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	1.6	.0	.0	.0	2.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.5	.0	.0	.0	.0	2.5
1-2	.0	2.9	6.1	.0	.0	.0	9.0
3-4	.0	2.5	8.2	.8	.0	.0	11.5
5-6	.0	.0	4.3	3.5	.0	.0	7.8
7	.0	.0	.8	1.6	.8	.0	3.1
8-9	.0	.0	.0	.8	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.0	19.3	6.6	.8	.0	34.8

HGT	TOTAL PCT
<1	2.5
1-2	9.0
3-4	11.5
5-6	7.8
7	3.1
8-9	.8
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	88.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.3	5.5	.0	.0	.0	.0	18.8	
1-2	.0	19.5	10.2	.0	.0	.0	29.7	
3-4	.0	10.2	18.0	2.3	.0	.0	30.5	
5-6	.0	.0	8.6	4.7	.0	.0	13.3	
7	.0	.0	4.7	1.6	.8	.0	7.0	
8-9	.0	.0	.0	.8	.0	.0	.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.3	35.2	41.4	9.4	.8	.0	100.0	128

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	5.8	22.4	22.8	7.8	6.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	101	3
6-7	.0	1.1	2.2	3.8	1.6	1.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	5
8-9	.0	.2	.4	1.8	1.6	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
10-11	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
INDET	12.8	.7	.9	.2	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	1
TOTAL	83	112	110	63	43	23	4	1	0	0	0	0	0	0	0	0	0	0	0	665	3
PCT	18.6	25.1	26.4	14.1	9.6	5.1	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.5	.1	.2	.0	.0	.0	.0	.8	.2	.9	.6	.0	9.5	.1	92.4
NE	1.3	.7	.0	.0	.0	.0	.0	2.0	.0	1.9	1.5	.0	5.6	.0	89.0
E	1.0	.3	1.0	.0	.0	.0	.0	3.2	2.4	2.6	1.0	.0	5.6	.0	91.5
SE	1.5	.3	1.4	.0	.0	.0	.0	2.9	1.1	2.1	3.5	.0	5.8	.2	90.4
S	1.0	.1	.6	.0	.0	.0	.0	1.3	.1	3.3	.8	.0	9.6	.2	89.8
SW	.2	.2	.0	.0	.0	.0	.0	.6	.2	2.9	.1	.0	3.2	.0	95.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	1.0	.0	2.2	.0	93.9
NW	.0	.1	.1	.0	.0	.0	.0	.2	.1	.9	.7	.0	3.6	.0	94.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.3	.0	.0	.0	.0	.3	.0	1.4	.7	.5	6.1	.3	90.7
TOT PCT	.3	.2	.3	.0	.0	.0	.0	.7	.3	1.8	.7	.0	6.5	.1	91.8
TOT OBS:	6506														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.2	.2	.3	.0	.0	.0	.0	.7	.1	.4	.5	.0	6.7	.2	91.5
06&09	.5	.0	.7	.0	.0	.0	.0	1.0	.1	0.1	.3	.0	7.7	.1	91.1
12&15	.6	.3	.2	.0	.0	.0	.0	1.0	.5	2.9	.9	.0	1.0	.0	92.8
18&21	.1	.2	.2	.0	.0	.0	.0	.5	.6	.2	1.4	.2	5.7	.2	91.5
TOT PCT	.3	.2	.3	.0	.0	.0	.0	.8	.3	1.8	.8	.0	6.5	.1	91.7
TOT OBS:	6695														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.7	6.3	5.6	1.2	.2	.0		14.9	9.7	19.6	11.9	19.2	5.1	14.7	13.2	12.8	11.1
NE	.6	1.6	.6	*	.0	.0		2.7	7.6	3.3	5.0	1.7	1.0	3.0	3.0	2.6	1.1
E	1.1	2.7	.6	*	*	.0		4.3	6.2	5.7	2.0	2.7	4.3	3.8	7.5	4.6	.7
SE	2.2	8.0	3.0	.3	*	.0		13.7	7.9	16.9	13.2	16.8	12.6	9.5	22.5	16.1	9.7
S	1.9	5.7	1.9	.2	.0	.0		9.8	7.2	9.2	10.3	11.1	.0	8.5	.0	9.8	4.2
SW	1.2	3.6	1.0	*	*	.0		5.8	7.7	3.7	7.2	6.1	.0	7.1	1.8	6.2	1.4
W	1.9	5.1	1.3	.1	*	.0		8.4	7.4	6.6	1.7	8.9	6.3	11.0	9.3	7.8	7.6
NW	5.2	13.5	11.9	2.4	.2	.0		33.1	10.3	27.8	29.8	29.7	57.1	31.7	31.7	33.6	22.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.6							9.6	.0	0.1	0.5	11.4	5.4	10.9	10.7	8.5	6.9
TOT OBS							6298		8.6	1739	56	1458	21	1701	87	3216	22
TOT PCT	23.4	66.6	25.4	4.2	.4	.0		100.0		100.0	83.3	100.0	66.7	100.0	100.0	100.0	66.7

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.6	7.1	2.7	.5	.0		14.9	9.7	19.2	19.2	14.7	12.8
NE	1.5	1.0	.1	*	.0		2.7	7.6	3.4	1.7	3.0	2.6
E	2.7	1.5	.1	*	.0		4.3	6.2	5.6	2.8	3.8	4.6
SE	6.2	6.5	.9	.1	.0		13.7	7.9	16.7	16.0	9.7	14.1
S	4.9	4.2	.4	*	.0		9.6	7.2	9.3	10.9	8.3	9.8
SW	3.0	2.6	.2	*	.0		5.8	7.7	3.8	6.0	6.9	6.2
W	4.6	3.3	.4	*	.0		8.4	7.4	6.6	8.9	11.0	7.8
NW	8.9	15.7	5.7	.9	.0		31.1	10.3	27.4	29.5	31.8	33.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.6						9.6	.0	0.0	11.4	10.7	8.5
TOT OBS						6298		8.6	1795	1679	1788	3216
TOT PCT	46.1	41.8	10.5	1.5	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1962-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 5

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	8.0	11.8	46.3	28.3	5.2	.5	.0	9.3	100.0	1795
06&09	11.9	12.4	45.7	25.6	3.7	.5	.0	8.6	100.0	1679
12&15	10.7	12.4	47.6	26.7	4.1	.4	.0	8.6	100.0	1708
18&21	8.5	16.4	46.5	24.1	4.0	.4	.0	8.4	100.0	3236
TOT								8.6		8298
PCT	9.6	13.9	46.6	25.4	4.2	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.9	2.1	3.0	1.2		2.4
NE	1.3	.4	.9	.3		3.2
E	2.0	.7	1.1	.4		3.2
SE	6.6	2.4	5.0	1.2		3.1
S	9.1	1.6	2.0	.7		3.0
SW	3.4	.8	1.1	.4		2.6
W	5.1	1.3	1.6	.6		2.6
NW	18.2	4.0	5.3	2.1		2.4
VAR	.0	.0	.0	.0		.0
CALM	7.2	1.5	1.3	.4		1.0
TOT OBS					5815	2.5
TOT PCT	50.9	14.8	19.1	7.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >6/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2999	3000 4999	5000 6999	7000 8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	*	*	.0	.5	.6	.5	.1	.1	.2	13.5	
NE	*	.0	*	.1	.1	.1	.1	*	.0	.1	2.1	
E	*	*	.1	.1	.2	.2	.1	*	.0	.1	3.2	
SE	*	*	.1	.4	.6	.6	.4	.1	.1	.1	10.8	
S	*	.0	.1	.3	.4	.7	.1	.1	.1	.1	8.0	
SW	*	.0	*	.1	.2	.2	.1	*	.1	*	4.9	
W	.1	*	*	.1	.1	.3	.1	.1	*	*	7.6	
NW	.1	*	.1	.5	.9	1.0	.4	.2	.2	.3	25.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	*	.1	.2	.2	.2	.1	.2	.1	.1	9.1	
TOT PCT	.4	.1	.6	2.3	3.4	3.7	2.4	1.0	.6	1.0	85.0	5815 100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >6/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SOVD	: OR >0
: OR >6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >4000	2.3	2.4	2.5	2.5	2.5	2.5	2.5	2.5
: OR >3500	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8
: OR >2000	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1
: OR >1000	10.6	11.4	11.5	11.5	11.5	11.5	11.5	11.5
: OR >600	12.2	13.6	13.7	13.7	13.7	13.7	13.7	13.7
: OR >300	12.5	14.1	14.2	14.3	14.3	14.3	14.3	14.3
: OR >150	12.6	14.2	14.4	14.4	14.4	14.4	14.4	14.4
: OR > 0	12.7	14.4	14.6	14.7	14.7	14.8	14.8	14.9

TOTAL NUMBER OF OBS: 5855 PCT FREQ HH <5/8: 85.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
45.5	14.7	11.1	6.4	4.7	4.2	3.7	3.4	3.9	.1	6079

PERIOD: (PRIMARY) 1962-1979 AREA 0003 GULF OF CALIFORNIA
(OVER-ALL) 1961-1979 25.5N 110.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	•	•	.0	.0	.0	.0	.0	.0	.0	•	
<1/2	NO PCP	•	•	.1	•	•	.0	•	•	.0	.0	.2	
	TOT %	•	•	.1	•	•	.0	•	•	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	•	•	.0	•	.0	.0	.0	.1	.0	.0	.2	
	TOT %	•	•	.0	•	.0	.0	.0	.1	.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	•	.0	•	.0	.0	.0	•	.1	
	TOT %	.0	.0	.0	•	.0	•	.0	.0	.0	•	.1	
	PCP	•	.0	•	•	•	.0	.0	.0	.0	.0	.1	
2<5	NO PCP	.1	•	•	•	.1	•	.1	.1	.0	.1	.6	
	TOT %	.1	•	.1	•	.1	•	.1	.1	.0	.1	.7	
	PCP	•	.0	•	.1	•	•	.0	•	.0	•	.1	
5<10	NO PCP	1.0	.5	.3	.8	.7	.6	.6	2.1	.0	.7	7.0	
	TOT %	1.1	.1	.4	.9	.7	.5	.6	2.2	.0	.7	7.3	
	PCP	•	.1	.0	.1	.1	•	.0	.1	.0	•	.1	
10+	NO PCP	14.6	2.3	3.7	12.0	8.7	5.3	7.8	27.5	.0	9.3	91.2	
	TOT %	14.7	2.4	3.7	12.1	8.8	5.3	7.8	27.5	.0	9.3	91.4	
	TOT OBS												6534
	TOT PCT	15.9	2.7	4.2	13.2	9.6	5.8	8.5	29.9	.0	10.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	•	•	.1	.0	.0	.0	•	.0	.0	•	.1	
<1/2	4-10	.0	•	•	•	•	.0	.0	•	.0		.1	
	11-21	•	.0	.0	.0	.0	.0	.0	.0	.0		•	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	•	.1	•	•	.0	•	•	.0	•	.2	
	0-3	•	•	.0	•	.0	.0	.0	•	.0	.0	.1	
1/2<1	4-10	•	.0	.0	.0	.0	.0	.0	•	.0		•	
	11-21	•	.0	.0	•	.0	.0	.0	•	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	•	•	.0	•	.0	.0	.0	.1	.0	.0	.2	
	0-3	.0	.0	.0	•	.0	.0	.0	.0	.0	•	•	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	•	.0	•	.0	.0	.0		•	
	TOT %	.0	.0	.0	•	.0	•	.0	.0	.0	•	.1	
	0-3	•	.0	.0	•	.0	•	•	•	.0	.1	.2	
2<5	4-10	•	.0	•	•	.1	•	.1	.1	.0		.4	
	11-21	•	•	•	•	.0	.0	•	.1	.0		.1	
	22+	•	.0	•	•	•	.0	.0	•	.0		.1	
	TOT %	.1	•	.1	.1	.1	•	.1	.2	.0	.1	.8	
	0-3	.1	•	.1	.1	.2	.1	.1	.2	.0	.7	1.7	
5<10	4-10	.5	.1	.2	.5	.4	.3	.3	.9	.0		3.3	
	11-21	.3	.1	•	.3	.2	.1	.1	.8	.0		1.9	
	22+	.1	•	•	.1	•	•	•	.2	.0		.5	
	TOT %	1.1	.3	.4	.9	.8	.4	.6	2.1	.0	.7	7.3	
	0-3	1.5	.4	.8	1.8	1.4	.8	1.6	2.7	.0	9.3	20.4	
10+	4-10	6.2	1.5	2.4	7.0	5.3	3.6	4.9	11.6	.0		42.4	
	11-21	5.6	.4	.4	3.0	1.9	1.0	1.3	10.9	.0		24.6	
	22+	1.4	•	.0	.3	.1	•	.1	2.2	.0		4.1	
	TOT %	14.7	2.4	3.7	12.1	8.7	5.3	7.9	27.5	.0	9.3	91.4	
	TOT OBS												6607
	TOT PCT	15.9	2.7	4.2	13.2	9.6	5.8	8.6	29.9	.0	10.1	100.0	

ANNUAL

PERIOD: (PRIMARY) 1962-1970
(OVER-ALL) 1961-1970

AREA 0003 GULF OF CALIFORNIA
29.5N 110.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >6/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	300 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.1	.4	2.4	5.1	1.5	2.4	.9	.6	.8	14.6	85.4	1608
06&09	.2	.1	.5	1.7	2.9	2.9	1.9	.7	.3	.7	11.8	88.2	1295
12&15	.9	.1	.6	2.9	3.9	2.8	2.1	.8	.4	.9	15.6	84.4	1525
18&21	.4	.2	.7	1.6	3.5	3.6	2.7	1.3	.7	1.3	16.1	83.9	1597
TOT													6025
PCT	.4	.1	.6	2.1	3.5	3.3	2.3	.9	.6	.9	14.7	85.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.3	.2	.0	.4	6.2	92.9	1766
06&09	.0	.1	.1	.8	7.2	91.7	1454
12&15	.9	.1	.1	1.2	9.4	88.8	1756
18&21	.4	.4	.0	.9	8.6	91.9	1736
TOT							6712
PCT	.3	.2	.1	.8	7.8	91.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >6/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.4	.9	3.6	11.6	84.7	1564
06&09	.2	.7	3.2	9.1	87.7	1257
12&15	.9	1.6	4.8	11.9	83.9	1480
18&21	.5	1.3	3.9	12.9	83.2	1554
TOT						5855
PCT	.5	1.2	3.9	11.4	84.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	*	.0	.1	.3	*	*	.0		.5
90/94	.0	.0	.0	.4	1.7	1.4	.3	.1		3.9
85/89	.0	*	.1	.6	2.3	5.4	3.3	.7		12.6
80/84	.0	.1	.2	1.1	3.4	6.6	7.1	2.3		20.8
75/79	.0	*	.3	1.2	3.0	5.3	3.4	1.5		14.8
70/74	.0	*	.3	1.2	4.4	5.3	4.8	2.4		18.4
65/69	.0	*	.2	.9	3.0	5.1	5.7	3.1		18.1
60/64	.0	.0	*	.5	1.6	3.1	3.2	1.4		10.0
55/59	.0	.0	*	.1	.2	.3	.3	.1		1.0
TOTAL									5887	100.0
PCT	.0	.2	1.2	6.2	20.0	32.5	28.2	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.1	*	*	.1	*	*	.1	.1	.0	.1
90/94	.2	.2	.4	1.0	.7	.1	.2	.4	.0	.6
85/89	.9	.3	.0	3.4	2.1	1.1	1.1	1.4	.0	1.5
80/84	1.6	.5	1.3	4.6	3.4	1.6	1.0	3.6	.0	2.2
75/79	2.6	.5	.6	2.0	1.1	1.0	1.4	3.9	.0	1.7
70/74	3.7	.5	.7	1.3	1.2	1.0	1.7	6.6	.0	1.8
65/69	4.5	.3	.3	.7	.8	.6	1.5	7.8	.0	1.5
60/64	2.5	.3	.1	.2	.2	.3	.6	5.0	.0	.7
55/59	.4	*	*	*	.0	*	.1	.5	.0	.1
TOTAL PCT	16.5	2.8	4.3	13.4	9.6	5.7	8.4	29.2	.0	10.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	98	89	86	78	69	65	57	77.0	1809
06&09	92	81	79	74	67	61	55	76.0	1501
12&15	92	80	78	73	67	62	55	72.6	1817
18&21	98	88	85	77	70	65	56	77.1	1765
TOT	98	88	84	76	68	64	55	75.6	6292

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	11.1	26.1	34.1	20.7	8.0	73	1519
06&09	.0	3.6	16.1	31.4	35.2	13.9	79	1375
12&15	.0	4.5	13.1	29.4	37.8	15.7	79	1537
18&21	.0	11.6	25.7	34.4	28.1	8.2	73	1562
TOT	0	471	1283	1929	1670	700	76	5973

PERIOD: (PRIMARY) 1982-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
25/25	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.0	2	.0	*
20/22	.0	.0	.0	.0	*	.0	*	*	*	.0	*	6	.0	.1
17/19	.0	.0	.0	.0	*	.0	*	.1	*	.0	*	10	.0	.2
14/16	.0	.0	.0	*	*	*	.1	.1	.1	.1	*	31	.0	.5
11/13	.0	.0	.0	*	.1	.2	.3	.2	.1	.2	.2	78	.0	1.2
9/10	.0	.0	.0	*	.2	.4	.3	.3	.4	.3	.3	138	*	2.2
7/8	.0	.0	*	.1	.3	.5	.5	.6	.5	.5	.4	214	*	3.4
6	.0	.0	*	.1	.3	.4	.3	.4	.3	.4	.2	154	*	2.5
5	.0	.0	*	.3	.5	.6	.4	.6	.5	.5	.1	214	.1	3.5
4	.0	*	.1	.4	.9	.5	.6	.6	.7	.6	.1	276	*	4.4
3	.0	*	.1	.7	.7	.8	.6	.6	.6	.4	.1	362	*	6.7
2	.0	.0	.2	.7	1.0	.9	.9	.9	1.1	.4	.0	379	.1	6.0
1	.0	*	.4	1.1	1.0	.9	.9	1.2	1.4	.3	.0	451	*	7.2
0	.0	*	.8	1.6	1.3	1.0	1.3	1.4	1.7	.1	.0	596	.1	9.4
-1	*	*	.9	1.3	1.4	.8	1.0	1.6	1.2	*	.0	515	*	8.2
-2	.0	.2	1.0	1.6	1.1	1.0	1.0	2.0	1.2	.1	.0	578	.1	9.2
-3	.0	.2	.9	1.4	1.3	.9	1.2	1.9	.8	.0	.0	560	.1	8.6
-4	*	.2	1.1	1.4	1.4	.8	1.0	2.1	.3	*	.0	523	*	8.3
-5	*	.3	1.0	1.4	1.0	1.1	1.1	1.2	.1	.0	.0	445	.0	7.1
-6	*	.2	.7	1.0	.7	.7	.8	.4	.1	.0	.0	289	.1	4.6
-7/-8	*	.2	.9	1.0	.9	.8	.7	.4	*	.0	.0	313	*	5.0
-9/-10	.0	.1	.3	.5	.4	.3	.2	.0	*	.0	.0	117	.0	1.8
-11/-13	.0	.1	.3	.2	.1	.1	.0	.0	.0	.0	.0	47	*	.7
-14/-16	.0	.1	.1	*	*	.0	.0	.0	.0	.0	.0	17	.0	.3
-17/-19	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL												6241		
PCT	.1	1.0	9.0	15.0	14.9	12.7	13.1	16.9	11.4	3.8	1.3	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	.2	.0	.0	.0	2.3
1-2	.4	2.5	.9	.0	.0	.0	3.8
3-4	.2	2.2	2.8	.3	.0	.0	5.5
5-6	.0	.1	3.1	.5	.2	.0	3.8
7	.0	.1	1.1	.5	.0	.0	1.6
8-9	.0	.1	*	.3	.0	.0	.4
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.7	8.2	1.6	.2	.0	17.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.8	.0	.0	.0	.0	1.1
1-2	.1	.9	.2	.0	.0	.0	1.1
3-4	.0	.1	.2	.1	.0	.0	.4
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	1.8	.5	.1	.0	.0	2.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	.8	.0	.0	.0	.0	1.8
1-2	.4	1.7	.1	.0	.0	.0	2.1
3-4	.0	.6	.2	.0	.0	.0	.7
5-6	.0	.1	*	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	3.1	.3	.0	.0	.0	4.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	2.0	.1	.0	.0	.0	2.2
1-2	.7	5.2	.9	.0	.0	.0	6.7
3-4	.2	1.5	1.4	.0	.0	.0	3.2
5-6	.0	.2	.4	.2	.0	.0	.8
7	.0	.0	.1	.1	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	8.9	2.9	.4	.0	.0	13.3

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.1	.1	.0	.0	.0	1.6
1-2	.1	3.4	.8	.0	.0	.0	4.3
3-4	.4	1.1	1.2	.1	.0	.0	2.8
5-6	.0	.1	.4	.0	.0	.0	.6
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.6	2.8	.1	.0	.0	9.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.0	.1	.0	.0	.0	2.0
1-2	*	2.0	.3	.0	.0	.0	2.4
3-4	.0	.5	.4	.0	.0	.0	.9
5-6	.0	*	.3	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.5	1.2	.0	.0	.0	5.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.1	.0	.0	.0	.0	2.0
1-2	.3	2.5	.7	.0	.0	.0	3.6
3-4	.0	1.2	.6	.0	.0	.0	1.8
5-6	.0	.3	.2	.1	.0	.0	.6
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	5.1	1.7	.1	.0	.0	8.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	2.2	.1	.0	.0	.0	3.7
1-2	.5	4.8	2.9	.0	.0	.0	8.1
3-4	*	2.6	4.3	.4	.0	.0	7.3
5-6	.0	.3	2.3	.7	.2	.0	3.4
7	.0	.1	1.6	.4	.1	.0	2.3
8-9	.0	.0	.2	.4	.0	.0	.7
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	10.0	11.4	2.2	.7	.0	25.7	87.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.4	2.2	.1	.0	.0	.0	3.7	
1-2	.5	4.8	2.9	.0	.0	.0	8.1	
3-4	*	2.6	4.3	.4	.0	.0	7.3	
5-6	.0	.3	2.3	.7	.2	.0	3.4	
7	.0	.1	1.6	.4	.1	.0	2.3	
8-9	.0	.0	.2	.4	.0	.0	.7	
10-11	.0	.0	*	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	10.0	11.4	2.2	.7	.0	25.7	87.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	17.7	11.7	.6	.0	.0	.0	30.0	
1-2	2.6	22.5	6.7	.0	.0	.0	31.8	
3-4	.8	9.8	11.1	.8	.0	.0	22.5	
5-6	.0	1.8	6.9	1.4	.3	.0	9.7	
7	.0	.2	3.8	1.2	.1	.0	5.4	
8-9	.0	.1	.3	.7	.0	.0	1.1	
10-11	.0	.0	.1	.2	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1320
TOT PCT	21.1	45.4	28.8	4.3	.4	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.9	27.6	18.0	6.7	2.8	.9	.3	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	3574	1
6-7	.2	2.4	3.0	2.8	1.2	.5	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	586	4
8-9	.1	.8	.9	.6	.6	.2	.2	*	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	195	5
10-11	.0	.6	.1	.2	.2	.2	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	5
12-13	.0	.0	.0	.2	.1	*	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	6
>13	.0	.0	.0	.1	.1	*	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	7
INDET	13.6	1.5	.6	.4	.2	.1	*	.0	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	901	1
TOTAL																				5394	1
PCT	24.0	33.0	23.3	11.1	5.3	1.8	.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1902-1979
(OVER-ALL) 1861-1979

AREA 0003 GULF OF CALIFORNIA
25.5N 110.2W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	P T
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	1	*
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	4	.1
91/92	.0	.0	.0	.0	.0	.0	.0	1.5	.5	.1	.0	.0	13	.2
89/90	.0	.0	.0	.0	.2	.0	1.3	10.2	9.7	.9	.0	.0	132	1.7
87/88	.0	.0	.0	.0	.3	.7	8.5	29.0	32.4	9.1	.0	.0	495	6.3
85/86	.0	.0	.0	.0	.2	6.1	25.3	35.0	32.7	24.2	1.8	.0	785	10.1
83/84	.0	.0	.1	.2	1.7	9.1	25.8	13.7	13.1	27.9	5.4	.0	632	8.1
81/82	.2	.0	.0	.2	4.0	20.1	18.3	4.2	3.5	19.4	15.5	.4	560	7.2
79/80	.3	.3	.0	.6	9.8	23.7	9.6	1.7	1.8	7.5	20.4	2.3	504	6.5
77/78	1.0	1.0	.4	1.7	10.9	19.1	3.4	1.5	1.6	5.0	18.6	5.7	496	6.4
75/76	3.8	1.6	2.7	12.4	24.2	10.3	1.0	1.3	1.1	2.2	15.6	12.0	569	7.3
73/74	5.4	3.1	7.0	16.6	17.9	3.0	1.3	.3	1.1	1.3	10.7	18.1	569	7.3
71/72	11.9	6.7	9.8	25.3	9.7	.9	1.1	.7	.4	1.4	5.6	16.9	603	7.8
69/70	15.8	20.3	18.5	17.3	5.0	.9	2.1	.5	.7	.5	3.4	15.7	667	8.6
67/68	19.4	22.4	23.0	10.7	2.0	1.6	.3	.2	.7	.3	2.3	12.6	633	8.2
65/66	19.3	21.0	18.5	7.1	1.8	1.2	1.1	.0	.0	.1	.7	8.0	519	6.7
63/64	13.9	14.1	10.6	3.9	2.5	1.6	.3	.0	.0	.0	.0	6.7	349	4.5
61/62	6.1	6.2	5.5	1.7	1.2	.9	.2	.0	.0	.0	.1	1.4	151	1.9
59/60	1.8	2.1	1.6	1.8	.3	.7	.2	.0	.0	.0	.0	.1	55	.7
57/58	1.1	.5	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	20	.3
55/56	.2	.2	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	4	.1
53/54	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
51/52	.0	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.1
49/50	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	628	580	766	663	599	561	612	597	565	777	710	700	7758	100.0
MEAN	67.5	67.1	67.7	70.6	74.8	78.7	82.5	85.6	85.6	82.9	77.3	70.9	75.9	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1016	1015	1016	1015	1015	1016	1018	1015	1016	623
FEB	1015	1016	1016	1014	1015	1016	1016	1015	1016	559
MAR	1014	1018	1015		1014	1019	1015	1013	1014	844
APR	1012	1017	1013	1010	1012	1014	1014	1011	1013	633
MAY	1011	1011	1011		1011	1012	1012	1013	1012	620
JUN	1009		1011	1006	1010	1008	1011	1009	1010	605
JUL	1010	1008	1011	1010	1011	1010	1012		1011	614
AUG	1010	1020	1012	1009	1011	1010	1012	1012	1011	595
SEP	1009	1006	1010	1009	1010	1008	1011	1006	1010	578
OCT	1011	1014	1012	1013	1012	1013	1013	1013	1012	758
NOV	1013		1014		1014	1014	1015		1014	687
DEC	1015	1013	1015		1015		1016		1015	624
ANN	1012	1016	1013	1011	1013	1013	1014	1012	1013	7749
OBS	1719	24	1943	22	1674	58	2775	25		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1008	1010	1012	1015	1016	1018	1021	1024	1027
FEB	1001	1008	1011	1014	1016	1017	1020	1024	1027
MAR	1004	1009	1010	1013	1014	1016	1019	1023	1025
APR	1000	1005	1008	1011	1013	1014	1017	1020	1021
MAY	1004	1006	1008	1010	1012	1013	1016	1018	1022
JUN	1001	1002	1005	1008	1010	1012	1014	1017	1018
JUL	1001	1004	1007	1010	1011	1012	1015	1016	1020
AUG	1000	1004	1007	1010	1011	1013	1015	1016	1020
SEP	1001	1002	1005	1008	1010	1012	1014	1015	1016
OCT	1003	1004	1008	1011	1012	1014	1016	1018	1024
NOV	1004	1008	1010	1013	1014	1016	1018	1020	1022
DEC	1001	1009	1011	1014	1015	1017	1020	1022	1024

JANUARY

PERIOD: (PRIMARY) 1960-1979
(OVER-ALL) 1881-1979

AREA 0004 MAZATLAN
22.6N 107.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SPDRF HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
N	.0	.C	.C	.C	.0	.0	.0	.C	.7	.C	1.2	.C	1.0	.C		98.0
NE	.0	.0	.0	.C	.C	.0	.C	.C	.0	.C	.C	.C	1.C	.C		99.C
E	.0	.C	.C	.C	.0	.C	.C	.C	.C	.C	7.3	.C	.C	.C		92.7
SE	.C	.0	.C	.C	.C	.C	.0	.C	.C	.C	.C	.C	.C	.C		100.C
S	.0	.C	.C	.C	.0	.C	.C	.C	.C	.C	.C	.C	.C	.C		100.C
SW	1.7	.C	.C	.C	.C	.0	.C	1.7	.0	0.0	6.8	.0	.0	.C		98.7
W	4.3	.C	.C	.C	.0	.C	.C	4.3	.C	.C	.C	.0	.0	.C		95.7
NW	.C	.C	.C	.C	.0	.C	.0	.C	.1	.0	.C	.C	.4	.C		99.9
VAR	.0	.C	.C	.C	.C	.0	.C	.C	.0	.0	.C	.C	.C	.C		.C
CALM	2.9	.C	.C	.0	.0	.0	.C	2.9	.C	2.9	2.9	.C	.0	.C		91.2
TOT PCT	.5	.0	.C	.0	.C	.0	.0	.5	.7	.3	1.C	.0	.0	.C		97.1
TOT OBS:	891															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SPDRF HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
0001-03	.0	.C	.C	.C	.0	.0	.C	.C	.0	.C	.0	.C	.6	.C		99.4
0601-09	.0	.C	.C	.C	.0	.C	.0	.C	.0	.5	.C	.0	.5	.C		99.0
1201-15	.6	.C	.C	.C	.C	.0	.C	.6	.6	.6	3.4	.C	.6	.C		96.C
1801-21	1.5	.0	.0	.0	.0	.0	.C	1.5	.0	.0	.0	.0	1.5	.C		95.5
TOT PCT	.5	.0	.0	.C	.C	.0	.C	.5	.7	.1	1.1	.C	.0	.C		97.1
TOT OBS:	647															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.5	17.0	15.2	2.4	.3	.C		39.0	11.4	43.7	17.9	32.6	33.3	39.4	52.0	44.6	.C
NE	1.2	4.C	1.6	.2	.0	.0		7.1	8.0	9.9	7.1	6.2	.0	8.1	11.8	6.5	.0
E	.7	1.2	.1	.C	.C	.0		2.1	5.1	2.8	.0	.9	.C	1.5	.C	3.0	.0
SE	1.1	1.1	.2	.C	.0	.0		2.6	6.2	.C	.0	4.9	.C	2.2	.C	3.4	.0
S	.6	.9	.2	.1	.0	.0		1.5	8.9	.7	.0	1.0	.C	1.6	5.9	1.1	.0
SW	.6	1.4	.2	*	.0	.0		2.3	6.2	1.9	7.1	1.7	.0	2.2	.C	3.4	.0
W	.9	2.7	1.2	.2	.C	.0		4.1	8.1	5.1	14.3	10.1	.0	4.4	.C	4.4	.0
NW	2.9	18.1	18.9	2.C	.1	.0		33.0	10.7	30.8	53.6	38.6	64.7	31.9	23.5	30.4	100.0
VAR	.C	.C	.C	.C	.0	.C		.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
CALM	5.3							5.3	.C	6.C	.C	3.7	.0	0.0	5.9	3.7	.C
TOT OBS	120	355	210	40	1	0	736		9.9	151	14	191	3	179	17	189	1
TOT PCT	16.3	48.2	28.6	5.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	8.9	21.7	8.1	1.1	.C		39.0	11.4	41.5	32.4	41.C	44.3
NE	2.5	4.C	.5	.C	.C		7.1	8.0	9.7	6.1	8.0	4.5
E	1.6	.5	.C	.C	.C		2.1	5.1	2.3	.9	1.3	3.0
SE	1.9	1.1	.1	.0	.C		2.6	6.2	.8	4.4	2.C	3.6
S	.8	.9	.1	.1	.C		1.5	8.9	.6	1.8	2.C	1.9
SW	1.2	1.0	*	.C	.C		2.3	6.2	1.0	1.7	2.0	3.6
W	3.2	2.4	.5	.0	.C		6.1	8.1	5.4	9.9	4.C	4.3
NW	8.1	19.8	5.9	.3	.C		33.4	10.7	32.7	39.0	30.6	30.0
VAR	.0	.0	.0	.C	.C		.C	.0	.C	.C	.C	.C
CALM	5.3						5.3	.C	5.5	3.6	0.0	3.7
TOT OBS	245	369	113	11	0	736		9.9	185	194	187	190
TOT PCT	33.0	50.1	15.4	1.5	.0		100.C		100.0	100.C	100.C	100.C

PERIOD: (PRIMARY) 1960-1970
(USER-ALL) 1961-1970

[illegible] [illegible] [illegible]
22.6N 107.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.5	6.7	50.9	31.5	5.0	.0	.0	10.7	100.0	184
06&09	3.6	5.7	53.1	29.9	7.2	.5	.1	10.6	100.0	194
12&15	0.6	10.4	62.8	27.8	5.9	.5	.0	9.6	100.0	187
18&21	3.7	10.8	66.3	29.5	5.7	.0	.0	9.2	100.0	192
TOT	30	81	955	238	46	3	0	9.9		756
PCT	5.3	11.0	60.2	29.8	5.8	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCR	TOTAL OBS	MEAN CLOUD COVER
N	17.2	6.1	10.6	9.1		5.6
NE	5.0	1.7	3.9	3.4		3.7
E	.8	.4	.7	.4		6.6
SE	.4	.1	.0	1.3		5.6
S	.8	.4	.0	.0		5.0
SW	.5	.6	.4	.9		5.2
W	2.0	.9	1.0	.9		6.0
NW	10.0	4.0	0.9	5.4		5.2
VRB	.0	.0	.0	.0		.0
CALM	5.0	.4	.0	.0		2.2
TOT OBS	220	76	129	71	405	5.4
TOT PCT	54.0	15.6	24.0	14.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >0/0) AND OCCURRENCE OF MM (0/0 BY WIND DIRECTION

WND DIR	POOR 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6900	7000 9900	10000+	MM (0/0 BY OBS+ HGT	TOTAL OBS
N	.2	.0	.0	.0	2.0	1.0	1.1	.0	.0	.2	37.0	
NE	.0	.0	.0	.1	.7	.7	.4	.0	.2	.0	6.5	
E	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	1.0	
SE	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	1.0	
S	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	1.1	
SW	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	1.7	
W	.0	.0	.0	.2	.0	.0	.0	.2	.2	.0	0.9	
NW	.1	.0	.0	.0	2.7	.0	1.0	.0	.0	.0	20.0	
VRB	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	0.0	
TOT OBS	2	0	0	11	44	15	10	0	0	1	704	001
TOT PCT	.0	.0	.0	2.2	0.0	3.0	2.2	.0	1.0	.2	77.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >0/0) AND VSBY (MM)

CEILING (FEET)	VSBY (MM) 0 >1C	0 >3	0 >2	0 >1	0 >1/2	0 >1/0	0 >0C5E	0 >0
0 >0500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
0 >1000	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
0 >1500	5.9	6.3	6.3	6.3	6.3	6.3	6.3	6.3
0 >2000	9.0	10.0	10.2	10.2	10.2	10.2	10.2	10.2
0 >1600	17.7	18.9	19.0	19.0	19.0	19.0	19.0	19.0
0 >00C	19.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
C0 >700	20.2	21.0	22.0	22.0	22.0	22.0	22.0	22.0
0 >15C	20.2	21.0	22.0	22.0	22.0	22.0	22.0	22.0
0 > 0	20.0	22.2	23.0	23.0	23.0	23.0	23.0	23.0
TOTAL	105	113	117	117	117	117	117	117

TOTAL NUMBER OF OBS: 500 PCT FREQ MM (5/0: 77.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCR	TOTAL OBS
36.2	19.5	13.3	8.3	5.5	0.7	0.0	5.7	7.0	.0	527

PERIOD: (PRIMARY) 1960-1974
(COMB-ALL) 1961-1974

AREA 0004 PAZATLAN
22.6N 107.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

WIND (KNOTS)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<3	NO PCP	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	
	TOT %	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3<7	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.2	.0	.1	.0	.2	
7<11	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3	
	PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11<17	NO PCP	3.0	.9	.2	.9	.3	.9	.7	0.0	.0	.0	11.9	
	TOT %	3.0	.9	.2	.3	.3	.9	.7	0.0	.0	.0	11.9	
	PCP	.0	.0	.0	.0	.0	0	.1	.0	.0	.2	.3	
17+	NO PCP	36.6	7.7	1.9	2.6	1.6	2.0	5.4	29.2	.0	0.0	87.6	
	TOT %	36.6	7.7	1.9	2.6	1.6	2.1	5.4	28.2	.0	0.0	88.0	
	TOT OBS												671
	TOT PCT	36.7	7.8	2.2	2.7	1.7	2.1	6.0	32.0	.0	0.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

WIND (KNOTS)	SPD (KTS)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<3	4-10	.2	.0	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3<7	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7<11	4-10	.0	.0	.0	.0	.0	.0	.2	.2	.0		.3	
	11-21	.1	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3	
	0-3	.0	.1	.0	.2	.1	.2	.2	.0	.0	.0	2.0	
11<17	4-10	1.0	.0	.0	.0	.0	.0	.0	3.0	.0		6.0	
	11-21	.0	0	.0	.0	.0	0	.1	.0	.0		1.0	
	22+	.2	.0	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	1.0	.3	.2	.3	.1	.3	.3	0.0	.0	.0	11.2	
	0-3	1.0	1.2	.0	1.6	.0	.3	.0	1.0	.0	0.1	12.0	
17+	4-10	15.0	0.1	1.2	1.1	.5	1.1	3.0	10.0	.0		82.0	
	11-21	10.1	1.0	.2	.2	.3	.2	1.0	9.0	.0		77.0	
	22+	2.9	.2	.0	.0	.2	0	.2	1.7	.0		9.0	
	TOT %	36.2	7.1	1.0	2.1	1.0	2.0	5.0	28.2	.0	0.1	87.0	
	TOT OBS												600
	TOT PCT	36.6	7.9	2.1	2.0	1.0	2.1	6.1	32.0	.0	0.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1960-1979
(OVER-ALL) 1961-1979

AREA 0000 PAZATLAN
22.6N 107.4W

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,00 OMITTED) AND/OR OCCURRENCE OF 4/8 OR LESS BY HOUR

HOUR (GMT)	000 100	150 200	300 500	600 900	1000 1900	2000 3900	4000 4900	5000 6900	7000	TOTAL	4/8 OR LESS/ NOT	TOTAL OBS
0000	.6	.0	.0	.0	6.7	3.3	4.2	.0	1.7	.0	17.5	82.5	120
0600	.6	.0	.6	1.0	9.8	7.5	1.0	1.2	1.2	.0	19.6	80.4	163
1200	1.5	.0	1.5	1.5	11.9	6.0	2.2	1.5	1.5	.7	28.4	71.6	134
1800	.0	.0	.0	4.8	6.7	3.0	5.7	1.0	2.9	.0	24.8	75.2	105
TOT	3	0	6	11	47	28	17	5	9	1	117	401	522
PCT	.6	.0	.8	2.1	9.0	5.8	3.3	1.0	1.7	.2	22.4	77.6	100.0

TABLE 11

PERCENT FREQUENCY OBSY (GMT) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0000	.0	.0	.0	.0	12.7	87.3	197
0600	.0	.0	.0	.0	8.1	91.9	197
1200	.0	1.7	.0	2.8	13.0	81.5	177
1800	.0	.0	.0	.7	11.0	89.3	136
TOT	0	3	1	8	76	575	661
PCT	.0	.5	.2	1.0	11.5	87.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF HOURS OF OBSY (GMT) AND/OR CEILING OBS (FEET,00 OMITTED) BY HOUR

HOUR (GMT)	<150 <500	<500 <1	<1000 <3	1000+ 3000+	4/8 OR LESS	TOTAL OBS
0000	.0	.4	1.7	18.4	81.6	120
0600	.0	1.2	3.0	18.4	79.6	163
1200	1.5	3.1	7.6	22.4	69.5	134
1800	.0	.0	5.0	19.0	76.2	102
TOT	1	2	20	96	389	519
PCT	.0	1.0	4.7	18.4	74.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	TOTAL OBS	PCT FREQ
00/04	.0	.0	.2	.2	.2	.8	.2	.4		7	1.5
75/79	.0	.0	.0	.0	2.1	5.0	1.2	.0		46	9.8
70/74	.0	.0	.2	2.1	5.2	15.3	35.0	7.7		209	43.5
65/69	.0	.0	.2	1.0	4.4	17.1	32.7	6.9		196	39.5
60/64	.0	.0	.2	.0	2.4	1.4	1.7	.4		29	6.0
TOTAL	0	0	1	10	31	101	100	21		481	100.0
PCT	.0	.0	.0	0.0	10.0	17.4	30.0	10.0			

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.7	.6	.0	.2	.0	.6	.0	.2	.0	.4
	3.5	.0	.0	.0	.0	.0	.2	2.7	.0	.0
	19.7	9.1	3.0	1.5	.7	1.0	2.0	19.0	.0	2.1
	10.2	2.1	.4	1.0	.9	1.0	2.7	12.1	.0	3.3
	2.5	.4	.0	.7	.2	.0	.0	2.0	.0	.2
	76.7	6.5	1.4	3.1	1.7	2.7	5.0	73.0	.0	6.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MEAN	MIN	MAX	5TH	10	25	MED	TOTAL OBS
0000	83	82	90	75	65	80	87	71.0	100
0600	90	76	95	69	65	84	87	69.5	203
1200	77	75	99	69	67	83	85	69.5	101
1800	82	85	99	72	66	87	82	71.5	100
TOT	83	87	90	72	66	83	85	70.2	701

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	PCT FREQ	TOTAL OBS
0000	.0	5.2	13.9	45.2	22.6	8.7		79	113
0600	.0	2.5	10.9	29.6	35.8	21.6	0.0	162
1200	.0	1.7	7.6	29.1	30.1	25.6	0.2	119
1800	.0	10.0	10.9	30.6	27.0	12.6	7.0	99
TOT	7	72	71	166	169	81	70	693

PERIOD: (PRIMARY) 1960-1979
(OVER-ALL) 1961-1979

AREA 0004 MAZATLAN
22.6N 107.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	N FOG	NO FOG
10/16	.0	.0	.0	.0	.2	.C	.0	1	.0	.2
11/15	.0	.0	.0	.0	.C	.2	.2	2	.0	.3
9/10	.0	.0	.0	.3	.0	.2	.2	4	.0	.7
7/8	.0	.0	.0	.0	.3	.2	.2	4	.0	.7
6	.0	.0	.0	.0	.3	.3	.2	5	.0	.8
5	.0	.0	.2	.2	.3	.7	.2	9	.0	1.5
4	.0	.3	.2	.3	.7	.3	.0	11	.0	1.8
3	.0	.0	.0	.8	.2	.7	.0	7	.0	1.2
2	.0	.0	.7	.7	2.0	.7	.0	24	.0	4.0
1	.0	.0	1.3	3.0	1.0	.5	.0	35	.0	5.9
0	.0	.0	.8	4.5	2.0	.5	.0	47	.0	7.9
-1	.0	.2	3.5	4.0	2.4	.2	.0	61	.0	10.3
-2	.0	.2	4.2	4.4	3.2	.C	.0	74	.2	12.3
-3	.0	.2	5.2	4.0	2.5	.C	.0	71	.C	11.9
-4	.0	1.2	5.0	4.2	1.8	.0	.0	73	.2	12.1
-5	.0	1.7	5.0	4.5	1.5	.2	.0	65	.2	10.8
-6	.0	.7	2.5	2.4	.3	.0	.0	25	.0	4.9
-7/-8	.2	1.2	2.7	2.9	.5	.C	.0	44	.2	7.2
-9/-10	.0	.3	1.0	1.2	.0	.0	.0	15	.0	2.5
-11/-13	.0	.2	.5	.5	.C	.0	.0	7	.0	1.2
-14/-16	.C	.2	.C	.0	.C	.0	.0	1	.0	.2
TOTAL	1		184		115		5		4	591
		37		229		24		595		
PCT	.2	6.2	30.9	38.5	19.3	4.0	.8	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

KTS	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.6	.C	.0	.C	.C	2.8	.C	.2	.7	.0	.C	.0	.9
1-2	.6	9.2	9.2	.3	.C	.0	19.0	.7	1.1	.7	.C	.C	.C	2.4
3-4	.0	8.9	7.6	.6	.C	.0	16.4	.6	2.6	1.3	.2	.C	.C	4.0
5-6	.C	.6	9.1	.6	.1	.C	9.7	.0	.C	.2	.C	.C	.C	.2
7	.C	.C	9.7	1.3	.C	.0	9.C	.C	.C	.2	.C	.C	.C	.2
8-9	.0	.1	2.C	.C	.7	.0	2.8	.C	.C	.0	.C	.C	.C	.C
10-11	.C	.C	.6	.0	.C	.C	.C	.0	.C	.C	.0	.C	.0	.C
12	.C	.C	.C	.C	.C	.0	.0	.0	.0	.C	.0	.C	.0	.0
13-16	.C	.C	.C	.C	.C	.0	.0	.C	.C	.C	.0	.C	.0	.0
17-19	.C	.1	.C	.0	.C	.0	.C	.C	.C	.C	.C	.C	.0	.C
20-24	.C	.C	.C	.C	.1	.C	.C	.1	.C	.C	.C	.C	.C	.C
25-29	.C	.C	.C	.C	.C	.0	.C	.C	.C	.C	.C	.C	.C	.C
30-34	.C	.1	.C	.C	.C	.C	.0	.C	.C	.C	.0	.C	.0	.0
35-40	.C	.C	.1	.C	.C	.0	.C	.0	.C	.C	.C	.C	.0	.C
41-48	.C	.1	.C	.C	.C	.C	.C	.0	.C	.C	.0	.C	.C	.C
49-64	.C	.1	.C	.C	.C	.0	.C	.C	.C	.C	.C	.C	.0	.C
65-70	.C	.C	.C	.C	.C	.C	.C	.0	.0	.1	.0	.C	.0	.C
71-86	.C	.C	.0	.C	.C	.0	.C	.C	.0	.C	.C	.C	.C	.0
87+	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.0	.C
TOT PCT	1.3	20.2	27.6	11.0	1.1	.0	65.0	.7	7.4	7.1	.2	.C	.0	35.0

W

KTS	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.C	.7	.C	.0	.C	.C	.7	.0	.C	.C	.0	.C	.C	.0
1-2	.C	.0	.C	.C	.C	.0	.0	.C	.2	.C	.0	.C	.0	.2
3-4	.C	.C	.C	.C	.C	.0	.0	.C	.0	.C	.0	.C	.C	.C
5-6	.C	.C	.C	.C	.C	.C	.C	.C	.C	.2	.C	.C	.C	.2
7	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.0	.C	.C	.0
8-9	.C	.C	.C	.C	.C	.C	.C	.0	.C	.C	.C	.C	.0	.0
10-11	.C	.C	.C	.C	.C	.C	.0	.C	.C	.C	.0	.C	.C	.C
12	.C	.C	.C	.C	.C	.C	.C	.C	.C	.0	.C	.C	.C	.C
13-16	.C	.C	.C	.0	.C	.C	.0	.C	.0	.C	.C	.C	.0	.C
17-19	.C	.C	.C	.C	.C	.0	.C	.0	.C	.C	.C	.C	.C	.C
20-24	.C	.C	.C	.C	.C	.C	.C	.0	.C	.C	.C	.C	.C	.C
25-29	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
30-34	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
35-40	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
41-48	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
49-64	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
65-70	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
71-86	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
87+	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
TOT PCT	.C	1.1	.C	.C	.C	.C	1.1	.C	.2	.2	.C	.C	.C	.4

PERIOD: (OVER-ALL) 1963-1979 JANUARY AREA 0004 PAZATLAN 22.6N 107.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.6	.0	.0	.0	1.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	.0	.2	.0	.0	.0	.2
5-6	.0	.7	.0	.0	.0	.0	.7
7	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	.9	.0	.0	.0	3.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	.6	1.3	.0	.0	.0	1.8
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.6	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.6	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.6	.0	.0	.0	.0	.0
49-60	.0	.6	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	1.8	2.0	.0	.0	.0	5.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.0	.0	.0	.0	.9
1-2	.9	14.3	.9	.0	.0	.0	16.2
3-4	.0	4.6	1.7	1.5	.0	.0	7.7
5-6	.0	2.4	1.8	.7	.2	.0	5.1
7	.0	.0	1.3	.2	.0	.0	1.5
8-9	.6	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	22.1	5.9	2.4	.2	.0	31.6

HGT	TOTAL PCT
<1	
1-2	16.2
3-4	7.7
5-6	5.1
7	1.5
8-9	.2
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	95.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.6	3.7	.7	.0	.0	.0	11.0	
1-2	2.2	28.7	5.9	.0	.0	.0	36.8	
3-4	.0	16.2	11.8	2.2	.0	.0	30.1	
5-6	.0	3.7	6.6	.7	.7	.0	11.8	
7	.0	.0	5.9	1.5	.0	.0	7.4	
8-9	.0	.0	2.2	.0	.7	.0	2.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.8	52.2	33.1	4.4	1.5	.0	100.0	136

PERIOD: (OVER-ALL) 1968-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	9.2	28.6	19.4	8.3	3.1	1.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	275	3
6-7	.0	3.5	9.6	7.1	2.3	1.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	117	4
8-9	.2	1.9	1.9	.8	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	4
10-11	.0	1.8	.6	.0	.2	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
12-13	.0	.0	.4	.4	.2	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.0	1.7	1.3	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	2
TOTAL	45	138	159	82	31	16	5	0	2	2	0	0	0	0	0	0	0	0	0	480	3
PCT	9.4	28.8	33.1	17.1	6.5	3.3	1.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1859-1979

AREA 0004 PAZATLAN
22.7N 106.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNDS	NC SIG WEA
N	.4	.4	.0	.0	.0	.0	.0	.7	.0	.5	.0	.0	1.4		.0	97.4
NE	5.0	.0	4.0	.0	.0	.0	.0	8.9	1.0	.0	.0	.0	4.0		.0	86.1
E	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.0	.0	.0		.0	95.6
SE	1.4	.0	5.8	.0	.0	.0	.0	7.2	.0	.0	.0	.0	.0		.0	92.8
S	4.0	.0	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0		.0	96.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	98.1
NW	.5	.1	.5	.0	.0	.0	.0	1.1	.0	.5	.0	.1	2.0		.0	96.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	.0		.0	96.1
TOT PCT	.7	.2	.5	.0	.0	.0	.0	1.3	.2	.3	.3	.2	1.7		.0	96.9
TOT OBS:	604															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNDS	NC SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	2.3		.0	95.3
06009	.5	.0	.5	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.5		.0	97.3
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	99.4
18021	2.0	.0	.7	.0	.0	.0	.0	2.7	.0	.0	.7	.7	2.7		.0	93.2
TOT PCT	.6	.2	.5	.0	.0	.0	.0	1.3	.2	.3	.3	.2	1.3		.0	96.5
TOT OBS:	624															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.5	13.7	15.8	3.5	.8	.0		35.3	13.0	39.0	20.0	28.6	.0	35.4	45.8	34.8	31.3
NE	.2	2.3	1.4	.0	.0	.0		4.0	9.7	4.3	.0	3.1	.0	4.3	.0	4.4	.0
E	.4	1.5	.7	.0	.0	.0		2.6	7.7	2.1	.0	2.6	.0	1.9	.0	3.6	.0
SE	.8	1.9	.3	.0	.0	.0		3.0	6.5	6.1	.0	1.2	.0	.6	.0	4.9	.0
S	.9	1.6	.6	.0	.0	.0		3.2	6.7	3.1	.0	1.6	.0	4.3	16.7	3.8	.0
SW	.2	2.8	.4	.0	.0	.0		3.4	7.2	3.3	5.0	3.3	.0	3.2	.0	3.6	.9
W	.8	4.1	1.3	.9	.1	.0		6.6	9.1	6.4	5.0	8.6	.0	5.6	16.7	5.8	.0
NW	1.0	10.8	10.4	2.5	.4	.0		34.2	12.3	30.1	70.0	43.0	.0	34.7	20.8	26.3	60.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.9							7.9	.0	9.7	.0	8.2	.0	10.0	.0	8.9	.0
TOT OBS	101	298	245	47	9	0	700		10.6	128	10	183	0	170	6	190	4
TOT PCT	14.4	42.6	35.0	6.7	1.3	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.5	19.8	7.8	1.1	.1		35.3	13.0	34.4	28.6	35.8	38.7
NE	1.4	2.1	.5	.0	.0		4.0	9.7	4.0	3.1	4.1	4.6
E	1.3	1.1	.1	.0	.0		2.6	7.7	2.0	2.6	1.8	3.6
SE	1.7	1.3	.0	.0	.0		3.0	6.5	5.6	1.2	.6	4.8
S	1.9	1.2	.1	.0	.0		3.2	6.7	2.9	1.4	4.7	3.7
SW	1.6	1.6	.1	.0	.0		3.4	7.2	3.4	3.3	3.1	3.6
W	3.0	3.1	.3	.3	.0		6.6	9.1	6.3	8.6	6.0	5.7
NW	7.5	18.5	7.1	1.2	.0		34.2	12.3	33.0	43.0	34.2	27.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.9						7.9	.0	9.3	8.2	9.7	8.4
TOT OBS	229	340	112	18	1	700		10.6	138	183	176	203
TOT PCT	32.7	48.6	16.0	2.6	.1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1957-1976
(OVER-ALL) 1950-1976

AREA NODA HAZARLAK
22.7N 108.1E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.1	8.0	39.9	35.5	10.9	1.4	.0	11.9	100.0	139
06&09	8.2	6.4	44.4	35.4	4.9	2.2	.4	11.0	100.0	183
12&15	9.7	6.3	43.8	33.0	6.3	1.1	.0	10.1	100.0	176
18&21	8.6	7.0	41.4	36.0	5.9	.5	.0	9.9	100.0	203
TOT	55	46	298	265	67	9	1	10.6		700
PCT	7.9	6.6	42.6	35.0	6.7	1.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-6	7-8	9 E OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	20.7	4.1	4.8	2.8		2.7
NE	2.1	.1	.7	.4		2.8
E	1.1	.4	.7	.4		4.1
SE	1.2	.4	.4	.4		3.6
S	1.8	.7	.8	.3		3.1
SW	2.4	.9	.1	.7		1.8
W	3.7	1.4	1.0	.7		2.6
NW	10.6	3.4	6.7	3.0		2.6
VAR	.0	.0	.0	.0		.0
CALM	6.7	1.0	1.9	.0		1.7
TOT OBS	512	67	186	94	526	2.6
TOT PCT	59.3	12.0	20.2	8.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,AM >0/0) AND OCCURRENCE OF AM <5/8 BY WIND DIRECTION

WND DIR	0&0 100	15C 200	30C 500	60C 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	AM <5/8 ANY HGT	TOTAL OBS
N	.0	.1	.0	.4	.6	2.1	.9	.1	.1	.0	31.2	
NE	.0	.0	.0	.2	.4	.7	.4	.0	.0	.0	2.7	
E	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	2.0	
SE	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	1.6	
S	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	2.4	
SW	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	0.0	
W	.0	.0	.0	.1	.2	.5	.2	.0	.0	.0	5.7	
NW	.2	.4	.2	1.0	1.6	1.0	.4	.4	.4	.2	29.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.2	.0	.4	.2	.2	.0	.0	7.4	
TOT OBS	1	1	1	11	18	33	12	7	2	1	402	526
TOT PCT	.2	.2	.2	2.4	3.6	6.7	2.4	1.4	.4	.2	80.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HM >0/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) >10	>5	>2	>1	>1/2	>1/4	>5C YD	>C
>=10000	.6	.6	.6	.6	.6	.6	.6	.6
>=5000	.9	.9	.9	.9	.9	.9	.9	.9
>=3000	3.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5
>=2000	8.6	9.2	9.4	9.4	9.4	9.4	9.5	9.5
>=1000	11.4	12.1	12.3	12.9	12.5	12.5	12.7	12.8
>=500	13.0	14.7	14.9	15.2	15.2	15.2	15.2	15.4
>=300	13.9	14.9	15.0	15.2	15.2	15.2	15.4	15.6
>=150	14.1	15.0	15.2	15.4	15.4	15.4	15.6	15.8
>=0	14.1	15.2	15.4	15.6	15.6	15.6	15.8	16.0
TOTAL	77	83	86	85	85	85	86	87

TOTAL NUMBER OF OBS: 495 PCT FREQ AM <5/8: 80.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
69.9	10.5	11.1	4.3	3.7	3.0	.3	1.0	0.0	.2	500

PERIOD: (PRIMARY) 1957-1979 AREA 0004 MAZATLAN
(OVER-ALL) 1859-1979 22.7N 106.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
2<5	PCP	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	
5<10	PCP	.2	.4	.0	.0	.0	.0	.0	.2	.0	.0	.4	
	NO PCP	.7	.3	.2	.5	.2	.0	.3	1.0	.0	.7	4.0	
	TOT %	1.0	.6	.2	.5	.2	.0	.3	2.2	.0	.7	5.3	
10+	PCP	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.3	
	NO PCP	33.0	3.4	2.7	2.2	2.8	1.6	6.3	31.2	.0	7.0	93.7	
	TOT %	33.0	3.6	2.7	2.2	2.9	1.6	6.3	31.2	.0	7.0	94.0	
	TOT OBS												603
	TOT PCT	34.0	4.2	2.8	2.9	3.1	1.6	6.7	33.4	.0	8.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.2	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.0	.0	.2	.0	.0	.0	..	.4	.0	.7	1.4	
	4-10	.1	.2	.0	.1	.2	.0	.0	.7	.0		1.4	
	11-21	.2	.2	.0	.2	.0	.0	.0	.4	.0		1.4	
	22+	.4	.0	.0	.0	.0	.0	.2	.2	.0		.4	
	TOT %	.4	.4	.2	.4	.2	.0	.1	2.4	.0	.7	5.4	
10+	0-3	.7	.2	.1	.7	.7	.2	.4	1.4	.0	7.4	12.4	
	4-10	13.0	2.2	1.7	1.4	1.4	2.4	4.3	13.4	.0		40.4	
	11-21	16.4	1.1	.4	.4	.1	.4	1.2	13.4	.0		34.2	
	22+	3.4	.4	.4	.0	.4	.0	.1	2.4	.0		6.4	
	TOT %	33.4	3.7	2.4	2.2	2.4	2.4	6.4	31.3	.0	7.4	93.4	
	TOT OBS												619
	TOT PCT	34.4	4.2	2.4	2.4	3.1	2.4	7.4	33.7	.7	8.4	100.4	

FEBRUARY

PERIOD: (PRIMARY) 1957-1976
(OTHER-ALL) 1959-1976

AREA CODE WAZATLAN
22.7N 105.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,00) >0/01 AND
OCCURRENCE OF 00 <5/8 BY HOUR

HOUR (GMT)	0PC 100	150 200	300 500	600 900	1000 1900	2000 3000	3500 4900	5000 6000	6500 7000	8000+	TOTAL	00 <5/8 ANY HGT	TOTAL OBS
0001	.0	.0	.0	0.2	2.5	16.1	3.0	.0	.0	.0	21.8	78.2	119
0400	.0	.0	.0	.0	0.0	5.6	1.0	.0	.0	.0	11.9	88.1	168
1201	.0	.0	.0	0.2	2.0	7.7	.7	.7	.0	.7	18.9	81.1	162
1621	.0	.0	.0	2.0	2.0	0.0	0.0	.0	.0	.0	15.1	84.9	126
TOT	1	1	1	1%	10	3%	1%	2	2	1	86	86%	595
PCT	.2	.2	.2	2.5	5.2	0.1	2.5	.0	.0	.2	15.0	84.1	100.0

TABLE 11

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
0001	.0	.0	.0	.0	9.2	90.8	130
0400	.0	.0	.0	.0	0.3	99.7	167
1201	.0	.0	.0	.0	3.0	96.0	168
1621	.0	.0	.0	1.1	0.7	91.0	169
TOT	2	0	1	2	3%	59%	634
PCT	.3	.0	.2	.3	5.3	91.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (SM) AND/OR
CEILING HGT (FEET,00) >0/01,0? HOUR

HOUR (GMT)	<1SE <ABOVE	<ABOVE <1	<1DCE <1	1CCC+ 00=5+	00 <5/8 ANY 5+	TOTAL OBS
0001	.0	.0	0.3	10.0	79.7	119
0400	.0	1.2	1.0	1?.?	87.0	16?
1201	.0	.7	5.0	17.1	82.9	167
1621	.0	1.6	0.0	10.?	89.7	126
TOT	2	?	21	66	05?	?0?
PCT	.0	.0	3.0	12.1	84.0	100.?

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
05/09	.?	.?	.0	.?	.2	.0	.?	.0	1	.2
00/09	.0	.0	.2	.0	.0	.2	.2	.?	0	1.5
75/79	.?	.?	.?	.0	1.?	2.0	1.1	.0	10	0.?
?0/?0	.?	.?	.0	1.?	0.?	17.1	11.?	0.5	???	17.0
65/69	.?	.?	.?	2.0	0.5	10.0	10.0	?.?	??0	00.0
00/60	.0	.0	.?	.0	1.?	.?	2.0	2.0	00	0.2
TOTAL	?	1	?	??	01	102	100	01	575	100.0
PCT	.?	.2	.0	5.0	17.?	30.?	31.0	15.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.1	.0	.0	.1	.0	.1	.1	0	.0	.1
	.2	.0	.1	.2	.0	.2	.0	.0	.0	..
	1.0	.1	.?	.0	.2	.0	.?	?.?	.0	.?
	11.5	1.0	1.?	1.?	1.?	.?.0	?.1	12.0	.0	?.0
	10.1	1.?	.?	.?	1.1	1.0	?.0	10.0	.0	?.1
	?.0	.1	.?	.0	.2	.0	.0	3.?	.0	.0
	15.5	1.?	?.?	?.?	5.0	0.0	0.?	32.0	.0	0.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MEA	MED	MIN	MAX	10	30	MIN	MEAN	TOTAL OBS
0001	00	00	70	70	00	00	07	71.?	100
0400	07	70	70	00	07	01	00	00.5	101
1201	0?	70	70	00	07	01	01	00.0	170
1621	0?	70	70	70	07	07	00	70.?	200
TOT	00	00	70	00	00	07	00	00.0	707

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0001	.0	11.?	29.?	31.?	20.0	3?..	?0	11?
0400	.0	?.0	17.0	29.?	10.?	10.0	?0	10?
1201	.0	2.1	0.?	21.5	00.?	30.0	02	1??
1621	.0	0.0	27.0	00.0	29.2	0.0	?0	12?
TOT	0	?1	02	100	1?0	00	?0	??1

FEBRUARY

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1959-1979

AREA 0004 MAZATLAN
22.7N 106.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	WC FOG
10/16	.0	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
11/13	.0	.0	.0	.0	.3	.2	.2	.0	4	.0	.7
9/10	.0	.0	.0	.0	.2	.5	.5	.2	8	.0	1.4
7/8	.0	.0	.0	.2	.2	.5	.0	.0	5	.0	.8
6	.0	.0	.2	1.0	.2	.3	.2	.0	11	.0	1.9
5	.0	.0	.2	.3	.2	.2	.0	.0	5	.0	.8
4	.0	.0	.2	.5	1.2	.3	.2	.0	14	.0	2.4
3	.0	.0	.4	.7	.8	.3	.0	.0	14	.0	2.4
2	.0	.0	.0	2.0	1.4	.0	.2	.0	21	.2	3.4
1	.0	.3	.7	3.4	1.9	.5	.0	.0	40	.0	6.8
0	.0	.2	2.4	5.3	3.1	.3	.0	.0	69	.0	11.7
-1	.0	.0	4.4	5.7	1.0	.0	.0	.0	54	.0	9.2
-2	.0	.3	8.4	2.7	1.7	.2	.0	.0	78	.0	13.4
-3	.0	.3	6.1	4.4	.8	.0	.0	.0	69	.2	11.5
-4	.0	1.0	4.1	3.1	.5	.2	.0	.0	52	.0	8.8
-5	.0	1.4	3.9	3.6	.5	.0	.0	.0	55	.0	9.3
-6	.0	1.7	1.7	1.7	.7	.0	.0	.0	34	.0	5.8
-7/-8	.2	1.7	1.4	1.4	.3	.0	.0	.0	29	.0	4.9
-9/-10	.2	.5	1.0	.3	.0	.0	.0	.0	12	.0	2.0
-11/-13	.0	.2	.7	.0	.2	.0	.0	.0	11	.0	1.9
-14/-16	.0	.2	.0	.2	.0	.0	.0	.0	2	.0	.3
TOTAL	7	96	214	260	89	22	7	1	589	2	587
PCT	.1	7.8	36.3	35.7	15.1	3.7	1.2	.2	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.4	8.4	9.1	.0	.0	.0	12.4
3-4	.0	2.5	8.2	.0	.0	.0	11.4
5-6	.0	.0	7.3	.0	.0	.0	9.5
7	.0	.4	1.2	1.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-24	.0	.0	.0	.0	.0	.0	.0
25-29	.0	.0	.0	.0	.0	.0	.0
30-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
HT PCT	.4	11.3	16.6	2.9	2.9	.0	33.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-24	.0	.0	.0	.0	.0	.0	.0
25-29	.0	.0	.0	.0	.0	.0	.0
30-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
HT PCT	.0	.0	1.4	.0	.0	.0	1.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-24	.0	.0	.0	.0	.0	.0	.0
25-29	.0	.0	.0	.0	.0	.0	.0
30-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
HT PCT	.0	.0	1.4	.0	.0	.0	1.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-24	.0	.0	.0	.0	.0	.0	.0
25-29	.0	.0	.0	.0	.0	.0	.0
30-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
HT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1979

FEBRUARY

TABLE 10 (CONT)

AREA CODE PAZATLAN
22.7N 106.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.6	.0	.0	.0	.0	.0	2.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-8	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	.0	1.6	.0	.0	.0	3.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.1	.0	.0	.0	.0	4.9
3-4	.0	.0	.0	.0	.0	.0	1.6
5-8	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.7	2.1	.0	.0	.0	9.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.2	.0	.0	.0	2.4	
1-2	9.3	5.0	5.1	.0	.0	.0	17.6	
3-4	.1	6.1	6.1	.0	.0	.0	17.1	
5-8	.0	.0	2.1	.2	.0	.0	2.4	
9	.0	.0	1.2	.4	.0	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	1.6	
12	.0	.0	.0	.0	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	10.6	15.0	1.0	.0	.0	38.7	96.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-1	4-10	11-21	22-33	34-47	48+	PCT	PCT 48+
<1	7.0	0.7	.0	.0	.0	.0	12.4	
1-2	0.1	25.0	11.7	.0	.0	.0	63.0	
3-4	.0	10.2	16.6	.0	.0	.0	27.1	
5-8	.0	.0	0.1	.0	.0	.0	7.0	
9	.0	.0	2.3	2.1	.0	.0	5.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	1.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.8	36.0	30.1	0.7	1.1	.0	100.0	

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PERIOD: (OVER-ALL) 1963-1979

TABLE 10

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	2.1	19.4	10.2	0.3	0.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29.8	1
6-7	.2	9.2	10.3	0.9	2.1	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.7	1
8-9	.0	1.1	1.1	1.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	1
10-11	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1
12-13	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1
14+	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1
INDEF	0.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	1
TOTAL	50	192	177	81	36	9	3	1	0	0	0	0	0	0	0	0	0	0	0	479	*
PCT	11.2	28.8	33.5	16.7	0.0	1.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1950-1979
(COMP-ALL) 1807-1979

AREA CODE 22.7N 107.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SNOW	DRZL	FRZL PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG WC PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5		98.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0		97.4
E	4.2	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0		95.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	4.9	.0		95.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	7.0	.0		93.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	.0	4.7	.0		91.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.1		97.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	7.9	.0		92.9
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.4	.7	.4	1.9	.1		96.4
TOT OBS:	729															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG WC PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST BLWG SNOW	NO SIG WEA
0001	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	1.7	.0		96.6
0615	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	2.1	.0		96.9
1213	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.5	.5		96.3
1823	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.1		95.9
TOT PCT	.1	.0	.0	.0	.0	.0	.0	.1	.1	.4	.9	.1	1.9	.1		96.4
TOT OBS:	746															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)						
WIND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.0	11.1	8.2	1.0	.0	.0		22.5	10.4	10.0	10.0	20.1	.0	26.0	17.7	25.0	16.7
NE	1.7	2.4	.9	.1	.0	.0		5.2	6.5	3.4	10.0	5.4	.0	4.0	16.7	5.7	16.7
E	1.4	1.4	.2	.1	.0	.0		3.1	5.0	3.0	.0	2.7	.0	4.1	20.0	1.2	.0
SE	.9	2.2	.0	.0	.0	.0		3.1	5.3	2.7	.0	2.7	.0	3.1	5.2	4.1	.0
S	.7	2.1	.1	.0	.0	.0		2.9	4.0	4.7	10.0	3.4	.0	1.0	.0	2.0	.0
SW	.2	2.7	.4	.0	.0	.0		3.4	7.1	4.0	.0	4.4	.0	2.0	4.2	2.0	17.9
W	2.7	6.0	7.0	.4	.0	.0		13.2	8.3	17.4	10.0	13.4	16.7	15.0	7.3	10.4	.0
NW	9.7	19.4	12.0	1.4	.2	.0		36.2	10.2	40.2	60.0	37.4	83.3	31.7	20.0	36.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0							10.0	.0	4.0	.0	10.0	.0	13.1	4.2	11.0	33.3
TOT OBS	101	306	212	24	2	0	819		6.7	100	10	199	9	199	24	242	3
TOT PCT	13.3	37.4	25.9	3.1	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)							HOUR (GMT)			
WIND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.3	11.6	3.1	.2	.0		22.5	10.4	10.2	10.0	20.0	20.9
NE	2.9	2.2	.1	.0	.0		5.2	6.5	3.0	5.3	5.5	5.0
E	2.3	.8	.2	.0	.0		3.3	5.0	2.0	2.3	7.0	1.2
SE	2.1	1.0	.0	.0	.0		3.1	5.3	2.4	2.3	3.0	4.1
S	1.7	1.3	.0	.0	.0		2.9	6.0	4.6	3.3	1.3	2.0
SW	2.1	1.3	.2	.0	.0		3.6	7.1	3.0	4.3	3.0	5.3
W	6.5	5.5	1.1	.1	.0		13.2	8.3	17.4	13.5	12.3	10.5
NW	18.0	20.3	4.2	.2	.0		36.2	10.2	41.3	38.0	36.0	35.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.0						10.0	.0	4.5	10.7	12.1	11.0
TOT OBS	379	362	73	5	0	819		8.7	170	197	199	245
TOT PCT	46.3	44.2	8.9	.6	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1880-1979

AREA CODE MAZATLAN
22.7N 107.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0CL03	4.5	12.4	46.6	32.6	3.9	.0	.C	9.3	100.C	179
0660Q	10.7	12.2	48.2	24.9	3.6	1.C	.C	8.6	1CC.C	197
12615	12.1	16.1	49.2	21.1	1.5	.C	.C	7.2	100.C	199
1P621	11.8	12.7	46.1	26.1	3.3	.0	.0	8.0	100.0	245
TCT	42	1C9	389	212	25	2	C	8.3		819
PCT	10.C	13.3	47.5	25.9	3.1	.2	.0		1CC.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	C-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	13.9	5.2	4.4	.9		2.5
NE	2.1	1.2	.4	.2		2.7
E	1.5	.5	.7	.1		3.1
SE	.8	.5	.5	.4		4.7
S	.8	.7	.7	.8		4.5
SW	1.4	.1	.7	.3		3.4
W	6.8	3.0	1.5	.2		2.8
NW	17.2	7.4	8.7	2.4		1.0
VAR	.0	.0	.C	.0		.C
CALM	4.7	1.4	2.7	1.4		3.2
TOT OBS	291	120	135	45	591	3.0
TOT PCT	49.2	2C.3	22.8	7.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	0 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.3	.6	.0	.6	.0	.5	.0	22.C	
NE	.0	.0	.0	*	.C	.0	.C	.0	.0	.0	4.3	
E	.0	.C	.0	.2	.2	.1	.C	.0	.0	.0	2.5	
SE	.2	.0	.0	.0	.2	.3	.C	.0	.0	.2	1.8	
S	.0	.C	.0	.0	.3	.3	.0	.0	.2	.0	7.2	
SW	.0	.0	.0	.0	.3	.0	.2	.0	.0	.C	7.1	
W	.2	.1	.0	.6	.2	.3	.C	.1	.0	.C	11.8	
NW	.3	*	.2	.5	2.1	.6	.9	.2	.4	.2	3C.8	
VAR	.0	.0	.0	.0	.0	.0	.C	.0	.0	.C	.C	
CALM	.3	.2	.C	.8	.3	.7	.C	.2	.0	.0	7.8	
TOT OBS	6	2	1	15	25	18	10	3	6	2	503	591
TOT PCT	1.0	.3	.2	2.5	4.2	3.0	1.7	.5	1.0	.3	85.1	100.C

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : CR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
: OR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
: OR >3500	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
: OR >2000	6.1	6.3	6.3	6.3	6.3	6.3	6.3	6.3
: OR >1800	9.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4
: OR >600	11.3	13.1	13.1	13.1	13.1	13.3	13.3	13.3
: OR >300	11.4	13.3	13.4	13.4	13.4	13.6	13.6	13.6
: OR >150	11.6	13.6	13.8	13.8	13.8	13.9	13.9	13.9
: OR > 0	11.9	14.1	14.4	14.4	14.4	14.6	14.8	14.9
TOTAL	72	85	87	87	87	88	89	90

TOTAL NUMBER OF OBS: 603

PCT FREQ NH <5/8: 85.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
46.5	11.4	11.1	9.6	4.0	5.3	3.1	3.1	3.8 .5	637

PERIOD: 1956;MARCH 1950-1975
COVER-ALL 1950-1975

AREA CODE- PAZORLAN
72.7W 107.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VIS (MI)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.3	.0	.0	.0	.1	.0	.1	1.7	
	TOT %	.1	.0	.0	.3	.0	.0	.0	.1	.0	.1	1.7	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.4	.7	.4	.4	.1	.0	1.7	7.0	.0	1.4	12.2	
	TOT %	1.4	.7	.4	.4	.1	.0	1.7	7.0	.0	1.4	12.2	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	11.1	4.4	2.0	2.0	2.7	2.4	11.0	32.9	.0	7.0	80.3	
	TOT %	21.1	4.4	2.0	2.0	2.7	2.4	11.0	32.9	.0	7.0	80.3	
	TOT OBS												717
	TOT PCT	22.4	5.1	3.1	2.7	3.0	3.4	15.2	36.7	.0	9.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (MI)	SPD (KTS)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	
	4-10	.1	.0	.0	.1	.0	.0	.0	.1	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.1	.0	.0	.0	.1	.0	.1	1.0	
5<10	0-3	.1	.0	.1	.1	.1	.1	.1	.1	.0	1.4	3.2	
	4-10	.1	.2	.1	.3	.1	.7	1.1	1.2	.0		4.3	
	11-21	.4	.0	.0	.0	.0	.0	.2	1.4	.0		2.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.1	.0		.0	
	TOT %	1.4	.7	.4	.4	.1	.0	1.7	7.0	.0	1.4	10.2	
10+	0-3	2.0	1.6	.9	.6	.4	.7	2.0	3.0	.0	7.7	18.9	
	4-10	10.4	2.1	1.6	1.1	2.1	2.0	6.1	17.0	.0		42.8	
	11-21	8.1	1.0	.2	.0	.1	.4	3.0	11.0	.0		24.3	
	22+	.6	.1	.0	.0	.0	.0	.9	1.2	.0		2.3	
	TOT %	21.2	4.6	2.6	2.0	2.7	2.7	11.0	33.0	.0	7.7	88.1	
	TOT OBS												729
	TOT PCT	22.8	5.3	3.1	2.7	3.0	3.0	15.4	36.3	.0	9.8	100.0	

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1880-1979

AREA 0004 MAZATLAN
22.7N 107.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >6/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	1.4	.0	.0	3.4	9.1	2.7	2.0	.0	1.4	1.4	16.3	83.7	147
06E09	.6	.6	.0	3.0	9.8	3.6	1.2	.6	.6	.0	19.9	85.1	168
12E15	2.0	.7	1.3	3.3	9.6	2.6	.7	.7	.7	.0	16.6	83.4	151
18E21	.0	.0	.0	1.2	3.7	2.5	2.5	.6	1.2	.0	11.7	88.3	163
TOT	6	2	2	17	27	10	10	3	6	2	93	536	629
PCT	1.0	.3	.3	2.7	4.3	2.9	1.6	.5	1.0	.3	14.8	85.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.6	.0	.0	.6	13.2	85.6	174
06E09	.0	.0	.0	.0	12.2	87.8	196
12E15	1.6	.5	.0	2.6	12.6	82.6	190
18E21	.0	.0	.0	1.0	6.2	92.7	193
TOT	4	1	0	8	83	657	753
PCT	.5	.1	.0	1.1	11.0	87.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >6/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00E03	1.4	2.1	4.9	11.3	83.0	142
06E09	.6	1.2	4.3	10.5	85.2	167
12E15	2.1	4.2	9.0	9.0	81.9	144
18E21	.0	.0	1.3	11.0	87.7	155
TOT	6	11	29	63	511	603
PCT	1.0	1.8	4.8	10.4	84.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.2	.3	.0	.0	.0	3	.5
80/84	.0	.2	.1	.2	.2	.3	.2	.0	8	1.4
75/79	.0	.0	1.0	1.9	2.6	5.1	1.9	.2	71	12.1
70/74	.0	.0	.1	2.9	6.3	16.4	13.2	5.8	263	45.0
65/69	.0	.0	.0	1.0	4.1	17.5	10.6	7.2	213	36.4
60/64	.0	.0	.0	.2	.3	1.0	1.4	1.7	27	4.6
TOTAL	0	1	10	37	81	213	156	87	585	100.0
PCT	.0	.2	1.7	6.3	13.8	36.4	26.7	14.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.2	.0	.0	.0	.0	.0	*	.0	.2
.2	.0	.0	.5	.2	.0	.2	.3	.0	.0
2.1	.6	.3	.6	.3	.6	1.4	4.4	.0	1.9
9.9	2.8	2.0	.9	1.4	1.5	4.8	17.3	.0	5.0
9.7	1.7	1.0	.6	.8	1.2	4.8	13.1	.0	3.6
2.0	.3	.0	*	.1	.0	.3	1.4	.0	.5
24.0	5.0	3.2	2.6	2.7	3.3	11.5	36.6	.0	11.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	999	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	86	85	79	72	66	65	65	72.2	171
06E09	79	78	75	70	65	64	62	69.9	198
12E15	81	75	73	69	64	61	61	68.7	206
18E21	86	82	79	72	66	65	63	72.5	230
TOT	86	81	79	70	65	63	61	70.8	805

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	13.6	19.7	38.6	18.9	9.1	73	132
06E09	.0	4.2	7.8	30.7	36.7	20.5	80	166
12E15	.0	3.2	5.7	36.1	29.7	25.3	81	158
18E21	.0	12.1	23.5	37.6	19.5	7.4	72	149
TOT	0	48	83	215	162	97	77	605

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1957-1979

AREA CODE MAZATLAN
22.7N 105.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	OC FOG
23/25	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
20/22	.0	.0	.0	.0	.0	.2	.0	1	.0	.2
17/19	.0	.0	.0	.2	.3	.0	.2	4	.0	.6
14/16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
11/13	.0	.0	.0	.5	.5	.2	.0	7	.0	1.1
8/10	.0	.0	.2	.2	.6	.3	.2	10	.0	1.5
7/8	.0	.2	.5	.8	1.1	.3	.6	18	.0	2.7
6	.0	.0	.0	.0	.2	.0	.0	6	.0	.9
5	.0	.2	.3	1.1	1.7	.0	.2	22	.5	3.3
4	.0	.6	.3	.9	.3	.0	.0	14	.0	2.1
3	.0	.3	1.8	1.4	.6	.0	.0	27	.0	4.1
2	.0	.6	2.6	2.4	.5	.0	.0	40	.0	6.1
1	.0	.3	3.0	3.6	.5	.0	.0	49	.0	7.4
0	.0	1.8	6.4	3.2	.6	.0	.0	79	.2	11.8
-1	.0	2.4	5.5	2.9	.0	.0	.0	71	.2	10.6
-2	.6	4.1	4.7	1.5	.0	.0	.0	72	.0	10.9
-3	.3	4.8	4.2	1.8	.0	.0	.0	74	.3	10.9
-4	.9	2.4	2.4	.9	.0	.0	.0	44	.0	6.7
-5	.6	1.2	3.0	.3	.0	.0	.0	47	.2	7.0
-6	.8	2.0	2.1	.3	.0	.0	.0	34	.2	5.0
-7/-8	.6	1.8	.5	.2	.0	.0	.0	20	.0	3.0
-9/-10	.5	1.1	.3	.0	.0	.0	.0	12	.0	1.8
-11/-13	.3	.5	.3	.0	.0	.0	.0	7	.0	1.1
TOTAL	30		251		85		3		6	84%
		170		151		6		660		
PCT	4.5	26.0	38.0	22.9	8.8	.9	.5	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	2.9	.5	.0	.0	.0	4.6
1-2	.5	5.9	2.2	.0	.0	.0	8.7
3-4	.0	1.6	3.2	.0	.0	.0	4.8
5-6	.0	1.6	2.2	.5	.0	.0	4.3
7	.0	.6	1.8	.6	.0	.0	3.0
8-9	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	12.7	9.9	2.4	.0	.0	26.8

NE

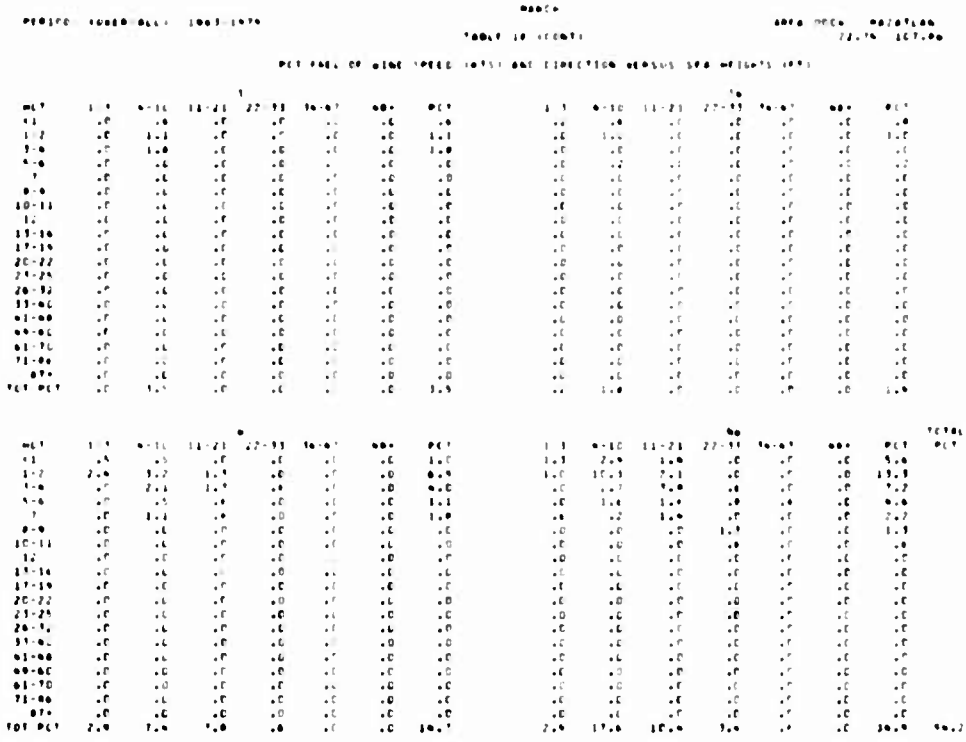
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	1.6	.8	.0	.0	.0	2.4
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.6	.0	.0	.0	.6
7	.6	.0	.0	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.4	1.4	.0	.0	.0	4.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.3	.0	.0	.0	.0	1.9
1-2	.0	3.0	.5	.0	.0	.0	3.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.3	.5	.6	.0	.0	6.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.0	.0	.0	.0	1.3
1-2	.0	.2	.2	.0	.0	.0	.3
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.0	.2	.0	.0	.0	1.8



0.AC SPEED (KTS) VS SEA HEIGHT (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.2	10.2	1.9	.0	.0	.0	22.3	
1-2	9.8	26.1	7.0	.0	.0	.0	56.9	
3-4	.0	6.9	8.3	1.9	.0	.0	18.1	
5-6	.0	1.0	5.1	1.9	.6	.0	10.0	
7	1.3	1.9	1.0	.6	.0	.0	7.6	
8-9	.0	.0	.6	2.5	.6	.0	2.9	
10-11	.0	.0	.0	1.3	.0	.0	1.3	
12	.0	.0	.6	.0	.0	.0	.0	
13-16	.6	.0	.0	.0	.0	.0	.0	
17-19	.6	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.6	.0	.0	.0	.0	
23-25	.0	.0	.6	.0	.0	.0	.0	
26-32	.0	.0	.6	.0	.0	.0	.0	
33-40	.0	.0	.6	.0	.0	.0	.0	
41-48	.0	.0	.6	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.3	51.0	26.1	7.0	.6	.0	100.0	157

PERIOD: COVER-ALL: 1969-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.9	21.8	13.6	6.2	2.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	312	3
6-7	.8	5.6	10.9	5.6	1.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	141	4
8-9	.0	.5	1.8	1.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	4
10-11	.6	.7	.5	.2	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
12-13	.0	.0	.0	.2	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
>13	.0	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
UNDET	12.3	.5	.7	.8	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	1
TOTAL	122	160	160	86	57	11	5	2	2	1	0	0	0	0	0	0	0	0	0	605	3
PCT	20.5	26.9	26.9	14.5	6.2	1.8	.8	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1439-1976 (CODED-ALL) 1059-1976

AREA OGDEN HAZARLEN 72.0N 107.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SNOW	DRZL	FRZ RN PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	HC STG WFA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.3	.0	99.6	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.3	.0	0.9	.0	91.3	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0	9.7	.0	98.8	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	0.7	.0	91.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0	92.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0	97.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	97.0	
NW	.0	.5	.0	.0	.0	.0	.0	.5	.0	.5	.9	.0	3.7	.5	96.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	9.0	.0	99.0	
TOT PCT	.0	.2	.0	.0	.0	.0	.0	.2	.0	.2	1.3	.0	2.9	.2	95.5	
TOT OBS:	619															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZ RN PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	HC STG WFA
00&03	.0	.7	.0	.0	.0	.0	.0	.7	.0	.0	3.4	.0	4.4	.7	90.2	
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	97.7	
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	1.6	.0	96.9	
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	0.3	.0	96.9	
TOT PCT	.0	.2	.0	.0	.0	.0	.0	.2	.0	.2	1.6	.0	2.9	.2	95.1	
TOT OBS:	637															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	C-1	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	8.3	8.8	9.6	.2	.0	.0		16.9	7.9	11.9	27.3	17.0	.0	14.5	3.6	16.4	16.7
NE	1.4	1.4	.6	.0	.0	.0		3.4	6.4	5.1	.0	2.8	.0	6.2	3.6	1.9	.0
E	1.6	2.9	.0	.0	.0	.0		4.0	6.3	1.9	.0	5.2	.0	5.8	20.5	2.4	.0
SE	2.1	1.9	.0	.0	.0	.0		4.0	4.5	4.2	.0	2.4	.0	3.1	22.1	3.4	.0
S	1.7	3.4	.7	.0	.0	.0		5.3	6.9	3.3	.0	6.1	.0	6.9	5.4	10.0	.0
SW	1.6	4.4	1.3	.0	.0	.0		7.3	6.7	9.6	.0	9.1	.0	5.0	1.8	13.5	.0
W	3.2	11.5	5.0	.1	.0	.0		19.8	8.3	29.4	6.8	19.0	00.0	17.8	5.4	18.1	25.0
NW	6.4	16.7	10.3	.7	.0	.0		33.4	9.2	30.5	65.9	34.4	20.0	30.9	23.2	25.2	41.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0							10.0	.0	6.6	.0	12.4	00.0	10.7	14.3	8.8	16.7
TOT OBS	209	339	149	4	0	0	700		7.1	136	22	178	5	177	28	148	6
TOT PCT	29.9	48.4	21.3	.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.7	6.2	1.0	.0	.0		16.9	7.9	14.1	16.5	13.0	16.4
NE	1.9	1.6	.0	.0	.0		3.6	6.4	2.7	2.7	5.9	1.8
E	3.1	.8	.0	.0	.0		4.0	6.3	1.1	3.1	7.8	2.8
SE	2.9	1.1	.0	.0	.0		4.0	4.5	1.6	2.9	5.7	3.2
S	2.4	2.8	.0	.0	.0		5.3	6.9	2.8	4.0	5.0	9.6
SW	4.8	2.1	.5	.0	.0		7.3	6.7	8.2	4.0	5.4	13.0
W	7.7	11.0	1.1	.0	.0		19.8	8.3	26.3	19.5	16.1	18.3
NW	10.4	18.4	2.6	.0	.0		31.4	9.2	35.4	34.2	20.9	25.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.0						10.0	.0	5.7	13.1	11.2	9.1
TOT OBS	356	306	36	0	0	700		7.1	158	183	205	154
TOT PCT	50.9	44.0	5.1	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1933-1970
(OVER-ALL) 1859-1970

AREA CODE PAZATLAN
22.6N 105.7W

TABLE 6

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.7	14.6	46.8	32.3	.6	.1	.1	8.4	100.0	159
06&09	13.1	21.3	44.1	20.8	.5	.0	.1	7.0	100.0	197
12&15	11.2	22.3	48.8	17.6	.4	.0	.1	6.6	100.0	205
18&21	9.1	20.8	51.9	15.6	.6	.0	.1	6.6	100.0	154
TOT	70	170	438	169	4	0	1	7.1		700
PCT	10.0	19.9	48.3	21.3	.6	.0	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.5	2.4	2.2	.4		1.9
NE	1.4	.3	.7	.0		2.6
E	2.0	.4	.4	.4		2.8
SE	1.7	.3	.8	.3		3.2
S	2.9	1.0	1.2	.2		2.3
SW	2.6	1.7	1.1	.7		3.2
W	11.7	2.9	5.5	1.4		2.8
NW	10.0	5.5	6.4	2.5		2.5
VAR	.0	.0	.0	.0		.0
CALM	6.5	1.5	2.6	.0		2.3
TOT OBS	262	74	97	28	461	2.9
TOT PCT	56.8	16.1	21.0	6.1	100.0	

TABLE 4

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,WW >6/8)
AND OCCURRENCE OF WW <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6499	6500 7999	8000+	WW <5/8 ANY WX?	TOTAL OBS
N	.2	.0	.0	.2	.0	.9	.4	.7	.2	.0	12.4	
NE	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	2.2	
E	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	2.4	
SE	.0	.0	.0	.1	.1	.2	.1	.0	.2	.0	2.1	
S	.0	.0	.0	.2	.2	.0	.4	.0	.2	.0	4.2	
SW	.0	.0	.0	.2	.7	.1	.0	.2	.0	.2	4.4	
W	.0	.0	.2	.2	.4	.8	.2	.8	.2	.0	18.1	
NW	.4	.0	.2	.8	.7	1.5	.7	.7	.1	.4	20.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.4	.4	.0	.2	.0	.0	5.1	
TOT OBS	3	0	2	7	16	22	9	7	4	1	180	461
TOT PCT	.7	.0	.4	1.4	3.7	4.9	2.0	1.4	.9	1.1	44.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (WW >6/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : GE >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >ZERO	: OR >0
: OR >6500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
: OR >4500	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
: OR >3500	5.1	5.1	5.3	5.3	5.3	5.3	5.7	5.3
: OR >2000	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
: OR >1000	11.5	13.0	13.0	13.0	13.0	13.0	13.0	13.0
: OR >600	12.8	14.7	14.9	14.9	14.9	14.9	14.9	14.9
: OR >300	12.8	14.7	15.1	15.1	15.4	15.4	15.4	15.4
: OR >150	12.8	14.7	15.1	15.1	15.4	15.4	15.4	15.4
: OR > 0	13.2	15.1	15.8	15.8	16.0	16.0	16.0	16.0
TOTAL	62	71	74	74	75	75	75	75

TOTAL NUMBER OF OBS: 469 PCT FREQ WW <5/8: 44.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	.	TOTAL OBS
47.5	11.1	11.9	9.9	7.9	4.1	4.8	1.9	3.4	.4	469

PERIOD: (PRIMARY) 1933-1979
(OVER-ALL) 1859-1979

AREA 0004 MAZATLAN
22.6N 107.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.2	.2	.2	.2	.0	.0	.2	.2	.0	.0	1.0	
	TOT %	.2	.2	.2	.2	.0	.0	.2	.2	.0	.0	1.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	*	.0	.0	.0	.2	.2	.2	.0	.0	.6	
	TOT %	.1	*	.0	.0	.0	.2	.2	.2	.0	.0	.6	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.6	1.7	1.5	1.5	1.2	2.4	2.6	5.9	.0	.8	19.7	
	TOT %	2.6	1.7	1.5	1.5	1.2	2.4	2.6	5.9	.0	.8	19.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	11.7	2.2	2.5	2.7	4.0	4.9	17.3	24.8	.0	8.1	78.2	
	TOT %	11.7	2.2	2.5	2.7	4.0	4.9	17.3	25.0	.0	8.1	78.3	
	TOT OBS												618
	TOT PCT	14.6	3.9	4.3	4.3	5.1	7.4	20.2	31.2	.0	9.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.2	.0	.0	.2	.0	.0	.2	.2	.0		.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.2	.2	.2	.0	.0	.2	.3	.0	.0	1.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
2<5	0-3	.1	*	.0	.0	.0	.0	.2	.0	.0	.2	.5	
	4-10	.0	.0	.0	.0	.0	.2	.0	.3	.0		.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	.0	.0	.0	.2	.2	.5	.0	.2	1.1	
5<10	0-3	1.6	.9	.9	1.1	.0	.3	.1	.7	.0	1.1	6.5	
	4-10	.9	.3	.6	.3	1.1	1.7	2.4	3.3	.0		10.5	
	11-21	.6	.0	.0	.0	.0	.3	.1	1.7	.0		2.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.5	1.2	1.5	1.4	1.1	2.3	2.6	5.7	.0	1.1	19.5	
10+	0-3	2.9	.3	.5	1.2	1.1	1.3	2.6	3.6	.0	8.0	21.5	
	4-10	5.0	1.2	1.0	1.5	2.2	2.4	8.5	13.1	.0		37.6	
	11-21	3.8	.7	.0	.0	.5	1.0	5.2	8.0	.0		18.4	
	22+	.2	.0	.0	.0	.0	.0	.1	.1	.0		.5	
	TOT %	11.9	2.1	2.4	2.7	3.8	4.7	17.4	24.8	.0	8.0	78.0	
	TOT OBS												666
	TOT PCT	14.7	3.6	4.3	4.3	4.9	7.2	20.4	31.3	.0	9.4	100.0	

APRIL

PERIOD: (PRIMARY) 1933-1979
(OVER-ALL) 1859-1979

AREA DOC= 06/ATLAN
22.0N 157.7W

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,GH >0/81 BAS
OCCURRENCE OF BH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	BH <5/8 BAY HGT	TOTAL OBS
00E03	.0	.0	.0	.0	3.7	2.8	2.8	.9	.9	.9	11.9	88.1	109
06E09	.7	.0	.0	1.4	2.1	2.1	2.1	1.4	.7	2.1	12.8	87.2	141
12E15	1.4	.0	.7	4.8	3.4	8.2	2.C	1.4	.7	.7	29.1	70.9	147
18E21	.0	.0	1.2	.0	2.4	4.8	.C	2.4	1.2	.0	12.C	88.C	8?
TOT	3	0	2	9	14	22	9	7	4	5	75	4C5	48L
PCT	.6	.0	.4	1.9	2.9	4.6	1.9	1.5	.8	1.0	15.6	84.4	1CC.C

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	3.8	.0	.0	17.1	79.1	158
06E09	.0	.0	.0	1.1	19.1	79.8	183
12E15	.5	1.0	.5	2.0	22.4	73.6	201
18E21	.0	.8	.C	.8	19.8	78.5	121
TOT	1	9	1	7	131	514	663
PCT	.2	1.4	.2	1.1	19.9	77.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) BAY/CH
CEILING HGT (FEET,GH >0/81,BY HOUR

HOUR (GMT)	<150 <50'D	<600 <1	<1000 <?	1000+ AND5+	BH <5/8 AND 5+	TOTAL OBS
00E03	.0	.C	.C	12.C	88.C	10?
06E09	.7	.7	2.2	11.C	86.8	13?
12E15	1.4	2.1	8.4	16.?	7?.8	19?
18E21	.0	1.2	1.2	11.C	87.8	8?
TOT	1	5	16	61	392	4??
PCT	.6	1.1	3.4	13.C	83.6	1CC.C

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.C	.?	.C	.0	.0	.0	1	.2
80/84	.C	.0	.C	.6	1.3	.6	.2	.4	15	3.2
75/79	.0	.0	.4	1.5	4.3	6.0	3.4	1.1	92	19.7
70/74	.0	.0	.0	.6	5.6	14.3	22.9	10.5	252	53.8
65/69	.0	.0	.0	.6	1.3	4.4	8.1	5.6	103	22.C
60/64	.0	.0	.C	.C	.0	.4	.2	.4	5	1.1
TOTAL	0	0	2	17	58	144	103	84	468	100.0
PCT	.0	.0	.4	3.6	12.4	3C.8	34.8	17.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.C	.C	.C	.0	.2	.0	.C
.6	.1	.2	.6	.C	.C	.6	.7	.C	.4
3.4	.7	.5	.8	1.5	.7	4.1	5.8	.C	2.1
7.0	1.3	2.3	2.C	3.1	3.7	9.1	15.4	.C	6.C
2.9	.3	.6	.2	.6	1.1	5.7	8.2	.C	2.4
.2	.0	.0	.0	.C	.C	.4	.6	.C	.C
14.0	2.4	3.6	3.6	5.2	5.4	19.9	30.9	.0	1C.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	86	84	81	74	70	66	64	74.5	163
06E09	82	77	75	71	67	64	63	71.1	188
12E15	88	76	74	70	65	63	62	70.1	211
18E21	83	82	81	74	67	6?	66	74.3	193
TOT	88	82	79	72	67	64	62	72.3	715

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.C	6.1	25.4	39.8	22.4	6.1	7?	98
06E09	.C	2.C	9.C	28.7	42.C	19.3	81	15C
12E15	.0	3.4	5.4	21.6	40.5	29.1	8?	148
18E21	.C	6.1	16.?	41.8	26.6	8.9	76	79
TOT	C	19	5?	147	166	95	7?	475

PERIOD (PRIMARY) 1951-1970
(SECONDARY) 1959-1970

TABLE 17

AREA CODE PA/ATLAN
22.00 107.70

PCT FREQ OF DIU TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS DIU-SFO TEMPERATURE DIFFERENCE (DEG F)

DIU-SFO TMP DIF	61 &	64 68	69 72	73 76	77 80	81 84	85 88	PCT	N FOG	NC FOG
20/22	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
17/19	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
14/16	.0	.0	.0	.2	.3	.0	.2	4	.0	.7
11/13	.0	.0	.0	.1	.2	.3	.0	5	.0	.8
8/10	.0	.0	.0	.0	.3	.9	.6	9	.7	1.5
7/9	.0	.0	.3	.7	.8	.7	.2	16	.0	2.7
6	.0	.0	.5	.7	.8	.0	.0	10	.0	1.7
5	.0	.0	.5	.5	1.1	.7	.0	10	.0	1.6
4	.0	.5	.3	.8	1.0	.2	.0	17	.0	2.9
3	.2	.5	.5	1.0	1.0	.0	.0	24	.0	4.0
2	.6	.2	1.7	3.0	1.0	.0	.0	55	.7	5.9
1	.0	.2	1.7	4.5	.2	.0	.0	59	.2	6.9
0	.6	1.3	3.5	5.2	.5	.0	.0	82	.2	10.3
-1	.6	.7	4.5	4.0	.2	.0	.0	96	.0	9.4
-2	.2	1.9	8.8	4.0	.5	.0	.0	89	.2	10.8
-3	.0	1.7	5.0	2.7	.4	.0	.0	58	.2	9.0
-4	.6	2.2	5.0	1.2	.0	.0	.0	53	.0	8.9
-5	.3	1.7	4.5	.0	.0	.0	.0	44	.2	7.2
-6	.2	2.4	1.3	.7	.0	.0	.0	25	.2	4.2
-7/-8	.0	1.5	1.2	.3	.0	.0	.0	18	.0	3.0
-9/-10	.0	.3	.7	.0	.0	.0	.0	6	.0	1.0
-11/-13	.2	.3	.0	.0	.0	.0	.0	3	.0	.5
-14/-16	.0	.0	.2	.0	.0	.0	.0	1	.0	.2
TOTAL	4	20	54	31	11	2	1	596	6	100
PCT	1.0	10.4	41.1	22.5	8.4	1.2	.1	100.0	1.0	99.0

PERIOD (CODED ALL) 1951-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA FLIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	2.1
1-2	.0	1.4	.0	.0	.0	.0	3.1
3-4	.0	2.1	1.4	.0	.0	.0	3.5
5-6	.0	.0	3.5	.4	.0	.0	3.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	5.7	3.9	.4	.0	.0	13.5

NE

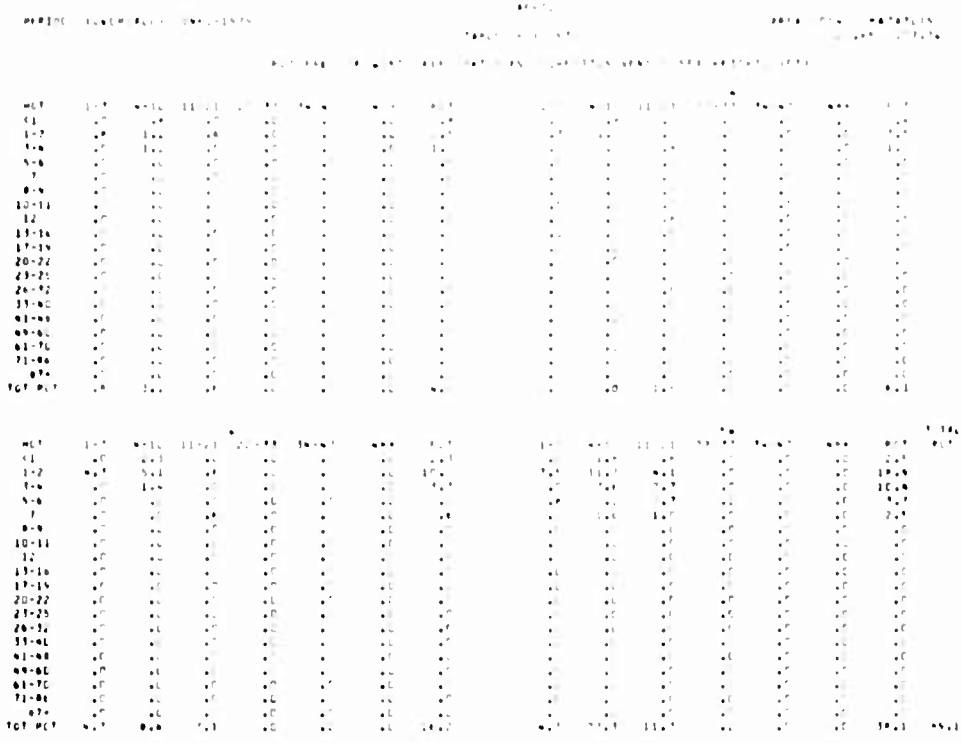
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.0
3-4	.2	.0	.0	.0	.0	.0	1.0
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	3.1	.0	.0	.0	.0	2.0

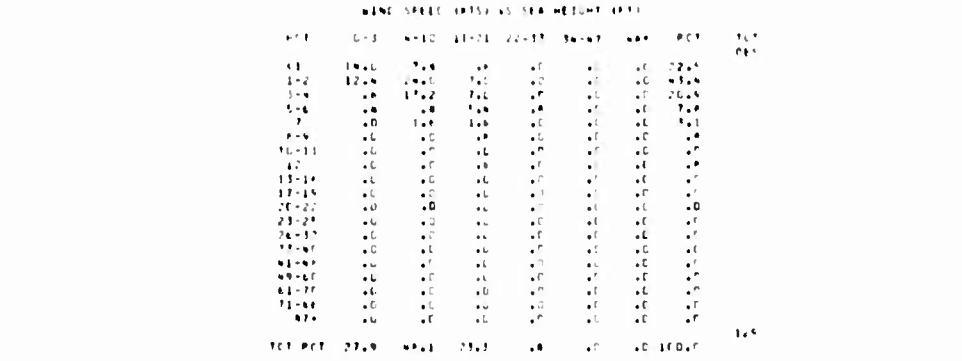
E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	1.4	.0	.0	.0	.0	2.1
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.6	.0	.0	.0	.0	.0
7	.0	.6	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	3.1	.0	.0	.0	.0	4.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	.2	.0	.0	.0	.0	1.8
1-2	.0	2.7	.0	.0	.0	.0	2.7
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	3.1	.0	.0	.0	.0	4.7





WIND SPEED (KTS) VS SEA HEIGHT (FT)

PCT	0-3	4-10	11-21	22-33	34-47	48+	PCT	%T OBS
<1	19.6	3.0	.0	.0	.0	.0	22.6	
1-2	12.0	29.6	3.6	.0	.0	.0	45.6	
3-4	.0	17.2	7.6	.0	.0	.0	26.6	
5-6	.0	.0	3.0	.0	.0	.0	3.0	
7	.0	1.0	1.0	.0	.0	.0	1.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	31.6	49.8	11.3	.0	.0	.0	100.0	14%

PERIOD: TOWER-ALL1 1964-1979 TABLE 15

PERCENT FREQUENCY OF WAVE HEIGHT (FT) BY WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-14	15-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK PCT
<6	6.9	20.8	19.7	5.8	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	1
6-7	.5	2.1	5.1	4.6	1.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
8-9	.0	1.0	1.0	.7	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
10-11	.0	1.6	.5	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	7
12-13	.0	.0	.5	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
>13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
ENDFT	13.2	1.2	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	1
TOTAL	99	176	122	97	17	9	2	2	1	1	1	0	1	0	1	0	0	0	0	0	511	1
PCT	20.6	31.0	24.2	19.0	3.4	1.9	.5	.5	.1	.1	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	100.0	

PEIRCE (PEIRCE-ELLIS) 1954-1979 (CHECO-ELLIS) 1961-1979

TABLE 1 AREA CODE 082/0160 22.6N 100.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPDST BLNG	SPDST DUST SNDS	NO SIG WTH
N	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0	.0	90.4
NE	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	88.0
E	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	5.6	.0	.0	92.0
SE	.8	.0	.0	.0	.0	.0	.0	.4	.0	2.0	.0	.0	17.3	.0	.0	87.9
S	.8	.0	.0	.0	.0	.4	.0	.0	.0	.0	2.0	.0	9.7	.0	.0	92.4
SW	.8	.0	.0	.4	.0	.4	.0	.4	1.0	1.0	1.1	.0	8.0	.0	.0	90.1
W	.9	.4	.0	.0	.0	.4	.0	.9	.0	.9	1.9	.0	7.0	.0	.0	90.8
NW	.2	.4	.4	.4	.0	.4	.0	.0	1.2	.0	.4	.0	1.0	.0	.0	98.6
VAR	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	1.9	.0	90.9
TOT PCT	.2	.0	.2	.0	.0	.0	.0	.3	.9	.9	.7	.2	9.1	.2	.0	93.6
TOT OBS	611															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPDST BLNG	SPDST DUST SNDS	NO SIG WTH
00/03	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0	94.4
04/09	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	.0	.0	2.5	.0	.0	93.8
12/15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	93.2
18/21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	6.9	.0	.0	92.9
TOT PCT	.2	.0	.2	.0	.0	.0	.0	.3	.9	.9	.6	.2	6.2	.2	.0	93.6
TOT OBS	623															

TABLE 9

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	03	06	09	12	15	18	21
N	2.2	5.4	1.8	.1	.0	.0		9.6	7.2	6.0	11.1	7.1	.0	8.7	9.1	16.2	.0
NE	.4	2.3	.6	.0	.0	.0		3.5	6.5	3.5	.0	2.9	.0	2.7	.0	5.4	.0
E	1.1	2.6	.1	.0	.0	.0		3.8	5.2	1.1	11.1	2.9	33.3	5.9	13.6	6.8	.0
SE	1.8	4.9	1.0	.0	.1	.0		7.5	7.3	9.0	.0	6.9	.0	8.8	9.1	9.7	.0
S	2.4	4.2	.6	.0	.0	.0		7.1	5.5	7.9	.0	8.1	.0	5.1	6.5	3.9	25.0
SW	2.1	6.1	1.2	.0	.0	.0		11.4	6.3	12.4	.0	13.3	66.7	9.8	17.0	9.3	25.0
W	3.4	13.6	5.8	.3	.0	.0		23.0	8.4	27.2	44.4	21.8	.0	21.6	22.7	21.2	.0
NW	3.4	10.0	6.5	.1	.0	.0		26.0	8.6	29.0	33.3	28.2	.0	29.1	19.3	19.8	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.0							8.0	.0	6.3	.0	10.5	.0	12.9	6.5	5.6	50.0
TOT OBS	174	389	110	3	1	0	684		6.9	162	9	162	3	147	22	177	2
TOT PCT	24.6	56.7	17.9	.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 10

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00 03	06 09	12 15	18 21
N	5.6	3.4	.5	.0	.0		9.6	7.2	6.3	7.0	8.7	16.1
NE	1.9	1.5	.2	.0	.0		3.5	6.5	3.6	2.9	2.6	5.4
E	2.8	1.0	.0	.0	.0		3.8	5.2	1.6	3.5	5.2	6.7
SE	6.4	2.6	.5	.1	.0		7.5	7.3	8.5	6.8	7.0	9.6
S	6.7	2.2	.2	.0	.0		7.1	5.5	7.0	8.2	5.0	6.1
SW	6.9	4.6	.2	.0	.0		11.6	6.3	11.8	14.2	10.6	9.5
W	9.6	11.7	1.9	.0	.0		23.0	8.6	28.1	21.6	21.7	20.8
NW	9.5	14.7	1.8	.0	.0		26.0	8.6	29.2	29.7	27.8	19.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	8.0						8.0	.0	9.1	10.3	11.8	6.1
TOT OBS	365	283	35	1	0	684		6.9	171	165	169	179
TOT PCT	53.4	41.4	5.1	.1	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY WIND (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00460	4.1	15.8	57.3	22.2	.6	.0	.0	7.6	100.0	171
06609	10.3	12.7	61.2	15.8	.0	.0	.0	6.8	100.0	165
12615	11.8	10.6	57.4	19.2	.6	.0	.0	6.9	100.0	169
18621	6.1	24.0	51.4	17.9	.6	.0	.0	6.9	100.0	179
TOT	55	119	288	110	3	1	0	6.9		684
PCT	8.0	17.4	56.7	17.3	.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-6	7-8	9 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.0	2.2	1.0	.0		1.9
NE	2.1	.4	.4	.2		2.0
E	.0	1.7	1.0	.0		3.1
SE	1.0	1.7	2.1	.4		5.1
S	1.0	2.2	1.1	.2		2.0
SW	6.5	2.5	2.1	.2		2.0
W	12.3	4.2	5.2	1.1		2.7
NW	17.0	5.8	5.2	1.4		2.3
VAR	.0	.0	.0	.0		.0
CALM	5.0	1.4	1.2	.2		2.0
TOT OBS	285	95	87	20	497	2.0
TOT PCT	57.3	19.1	19.4	4.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,WW >4/8) AND OCCURRENCE OF WW <5/8 BY WIND DIRECTION

WND DIR	0UO 100	15C 200	3CC 500	6CO 999	1CCC 1999	2CCC 3999	4CCC 4999	5CCO 6999	6CCC 7999	8CCO+	WW <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	8.8	
NE	.0	.0	.0	.2	.3	.0	.0	.2	.0	.0	7.8	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	
SE	.0	.0	.0	.0	.2	.4	.2	.0	.0	.0	8.5	
S	.0	.2	.0	.0	.1	.0	.2	.0	.0	.0	8.1	
SW	.1	.0	.0	.0	.3	.1	.4	.0	.2	.2	10.9	
W	2.2	.0	.0	.1	1.2	1.0	1.0	.0	.0	.0	19.2	
NW	.0	.0	.0	.4	1.4	1.4	.4	.0	.0	.4	22.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	8.5	
TOT OBS	1	1	0	1	23	16	12	1	1	1	432	497
TOT PCT	.2	.2	.0	1.4	4.6	3.2	2.4	.2	.2	.6	86.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (WW >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
: OR >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: OR >3500	3..	3.4	3.4	3.4	3.4	3.4	3.4	3.4
: OR >2000	6.1	6.3	6.5	6.5	6.5	6.5	6.5	6.5
: OR >1000	10.3	10.7	11.0	11.0	11.0	11.0	11.0	11.0
: OR >600	11.6	12.2	12.6	12.8	12.8	12.8	12.8	12.8
: OR >300	11.6	12.2	12.6	12.8	12.8	12.8	12.8	12.8
: OR >150	11.6	12.4	12.8	13.0	13.0	13.0	13.0	13.0
: OR > 0	11.6	12.4	12.8	13.0	13.0	13.0	13.2	13.2
TOTAL	59	63	65	66	66	66	67	67

TOTAL NUMBER OF OBS: 507 PCT FREQ WW <5/8: 86.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
51.8	10.4	9.6	7.4	7.4	4.3	3.8	3.4	1.7	.2	529

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (SM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.2	.0	.0	.2	.0	.0	.3	.5	.0	.0	1.2	
	TOT %	.2	.0	.0	.2	.0	.0	.3	.4	.0	.0	1.2	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.0	.2	.7	.8	1.0	.9	.0	1.2	4.9	
	TOT %	.0	.2	.0	.2	.7	.8	1.0	.9	.0	1.2	4.9	
10+	PCP	.0	.0	.0	.0	.0	.1	*	.0	.0	.0	.2	
	NO PCP	8.0	3.0	3.6	6.5	6.1	10.8	22.4	25.3	.0	7.6	93.3	
	TOT %	8.0	3.0	3.6	6.5	6.1	10.8	22.5	25.3	.0	7.6	93.4	
	TOT OBS												608
	TOT PCT	8.3	3.3	3.6	6.9	6.8	11.6	23.9	26.9	.0	8.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	*	.1	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.2	
1/2<1	0-3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
2<5	0-3	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.5	
	4-10	.0	.0	.0	.0	.0	.0	.2	.0	.0		.2	
	11-21	.0	.0	.0	.2	.0	.0	.1	.2	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.0	.2	.0	.0	.3	.4	.0	.0	1.1	
5<10	0-3	.0	.0	.0	.0	.2	.0	.4	.4	.0	1.1	2.1	
	4-10	.0	.2	.0	.2	.4	.7	.6	.6	.0		2.9	
	11-21	.0	.0	.0	.0	.1	.1	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.3	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.2	.7	.8	1.2	1.0	.0	1.1	5.1	
10+	0-3	1.5	.4	1.1	1.5	2.2	2.2	3.1	2.6	.0	7.4	22.1	
	4-10	4.4	2.0	2.2	3.9	3.7	7.6	12.8	16.5	.0		53.1	
	11-21	2.0	.4	.2	.8	.3	1.2	6.0	6.5	.0		17.4	
	22+	.1	.0	.0	.2	.0	.0	.3	.1	.0		.6	
	TOT %	8.0	2.9	3.5	6.4	6.2	11.1	22.2	25.8	.0	7.4	93.9	
	TOT OBS												625
	TOT PCT	8.2	3.2	3.5	6.7	6.9	11.9	23.8	27.4	.0	8.5	100.0	

PERIOD: (PRIMARY) 1954-1979
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >6/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	.7	3.5	3.5	2.1	.0	.0	.7	10.4	89.6	142
06609	.0	.0	.0	.7	2.2	3.6	.7	.0	.0	1.4	8.6	91.4	139
12615	.0	.0	.0	3.7	8.1	3.7	3.7	.7	.0	.0	20.0	80.0	135
18621	.9	.9	.0	1.8	5.7	.9	2.8	.0	.9	.0	11.9	88.1	109
TOT	1	1	0	9	23	16	12	1	1	1	67	458	525
PCT	.2	.2	.0	1.7	4.4	3.0	2.3	.2	.2	.4	12.8	87.2	100.0

TABLE 11

PERCENT FREQUENCY WSBY (NMI) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	.0	6.0	94.1	168
06609	.0	.6	.6	.6	2.5	95.7	162
12615	.0	.0	.0	2.4	6.6	91.0	166
18621	.7	.0	.7	1.4	5.7	91.5	141
TOT	1	1	2	7	33	593	637
PCT	.2	.2	.7	1.1	5.2	93.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF WSBY (NM) AND/OR CEILING HGT (FEET,MM >6/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<10000 <5	10000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00603	.0	.0	.7	10.4	88.8	134
06609	.0	.0	1.5	7.4	91.1	135
12615	.0	.0	6.1	15.9	78.0	132
18621	.9	1.8	6.7	9.5	86.8	106
TOT	1	2	16	54	437	507
PCT	.2	.4	3.2	10.7	86.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.2	.4	.0	.0	.0	.0	3	.4
85/89	.0	.0	.2	.4	.4	1.2	.4	.4	16	3.1
80/84	.0	.2	.2	.4	5.0	6.4	2.3	1.0	80	15.5
75/79	.0	.0	.0	.4	3.1	19.1	12.6	5.0	191	37.0
70/74	.0	.0	.0	.2	3.1	7.0	16.7	8.9	185	35.9
65/69	.0	.0	.0	.0	.2	.6	3.9	2.9	39	7.6
60/64	.0	.0	.0	.0	.0	.0	.2	.2	2	.4
TOTAL	0	1	3	11	64	156	106	95	516	100.0
PCT	.0	.2	.6	2.1	12.4	30.2	36.0	18.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.2	.0	.0	.2	.0	.2	.0	.0	.0	.0
	.0	.0	.0	.4	.5	.9	.6	1.0	.0	.2
	1.7	.3	.3	2.1	1.0	1.3	2.3	5.0	.0	1.4
	3.6	2.1	1.6	3.0	3.1	4.2	7.2	8.4	.0	3.9
	3.4	1.2	.8	1.2	2.2	4.5	9.0	10.7	.0	2.9
	.5	.0	.6	.0	.2	.7	3.1	2.5	.0	.0
	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2
	9.4	3.7	3.2	7.1	6.9	11.3	22.2	27.6	.0	8.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00603	94	89	87	77	71	67	67	78.0	172
06609	92	88	81	76	68	64	64	74.3	167
12615	92	89	79	73	69	66	66	73.6	173
18621	90	88	86	78	69	67	66	77.5	178
TOT	94	88	84	75	69	66	64	75.9	690

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	6.9	10.5	36.9	32.3	5.4	75	130
06609	.0	1.3	7.9	25.8	44.4	20.5	82	151
12615	.0	1.6	5.4	20.4	38.0	34.1	84	129
18621	.0	3.4	19.7	38.5	26.5	12.0	77	117
TOT	0	17	66	159	169	96	80	527

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	<1	1-3	4-6	7-9	10-12	13-15	16-18	>18	PCT	# FOG	# OC FOG
17/19	.0	.0	.0	.0	.2	.0	.0	.2	.0	1	.0	.0
14/16	.0	.0	.0	.0	.4	.0	.0	.2	.0	2	.0	.0
11/13	.0	.0	.0	.0	.2	.4	.9	.2	.2	11	.0	1.0
8/10	.0	.0	.2	.4	.0	.0	.4	.0	.0	4	.0	1.0
5/7	.0	.0	.0	.4	1.4	1.1	.4	.4	.0	21	.0	3.7
2/4	.0	.0	.0	.2	.4	.4	.4	.0	.0	4	.0	1.0
-1/1	.0	.0	.4	.4	1.0	.4	.2	.0	.0	14	.0	1.0
-4/-2	.0	.2	.4	.9	.7	1.3	.4	.0	.0	24	.2	4.1
-7/-5	.0	.2	.0	1.4	1.6	.9	.4	.0	.0	23	.0	4.0
-10/-8	.2	.0	.4	1.0	1.0	1.3	.0	.0	.0	29	.2	5.1
-13/-11	.0	.4	1.2	3.2	2.7	1.1	.2	.0	.0	50	.2	8.7
-16/-14	.0	.4	1.4	3.7	3.2	1.4	.2	.0	.0	58	.2	10.1
-19/-17	.0	.2	1.0	3.4	2.0	.4	.0	.0	.0	44	.0	8.7
-22/-20	.0	.0	2.0	3.7	3.9	.4	.0	.0	.0	61	.0	10.6
-25/-23	.0	.0	2.5	3.9	2.0	.0	.0	.0	.0	52	.0	9.2
-28/-26	.0	.4	3.5	5.7	1.1	.0	.0	.0	.0	63	.0	11.1
-31/-29	.0	.4	1.0	.7	1.1	.0	.0	.0	.0	22	.0	3.9
-34/-32	.0	.5	2.1	1.2	.0	.0	.0	.0	.0	22	.0	3.9
-37/-35	.2	1.1	1.0	1.4	.0	.0	.1	.0	.0	24	.0	4.4
-40/-38	.0	.2	.4	.9	.2	.0	.0	.0	.0	4	.0	1.4
-43/-41	.0	.4	.2	.2	.1	.0	.0	.0	.0	5	.0	.9
-46/-44	.0	.0	.2	.0	.1	.0	.0	.0	.0	1	.0	.2
TOTAL	2		171		147		22		1		564	562
		20		104		56		5				
PCT	.4	4.0	21.4	12.5	26.0	9.9	3.9	.9	.2		100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.0	.0	.0	.0	.0	1.7
1-2	.7	2.2	1.7	.0	.0	.0	4.7
3-4	.0	1.7	.7	.0	.0	.0	2.4
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	5.0	2.9	.0	.0	.0	9.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	.3	.0	.0	.0	1.9
3-4	.0	.0	.7	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	1.6	1.0	.0	.0	.0	4.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.0	.0	.0	.0	.0	.7
1-2	.0	3.1	.0	.0	.0	.0	3.1
3-4	.0	.0	.7	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.1	.7	.0	.0	.0	4.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	2.8	.7	.0	.0	.0	3.1
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-84	.0	.0	.0	.0	.0	.0	.0
85+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	2.1	.0	.0	.0	6.0

MAY

PERIOD (OVER-ALL) 1963-1979 AREA OCEAN MAZATLAN
72.6N 106.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.7	.0	.0	.0	.0	1.4
1-2	.7	4.1	.0	.0	.0	.0	4.8
3-4	.4	1.6	.0	.0	.0	.0	1.9
5-6	.0	.4	.0	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.4	.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.4	.0	.0	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	5.9	.0	.0	.0	.0	7.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.7	.7	.0	.0	.0	3.1
1-2	2.2	7.4	6.1	.0	.0	.0	15.8
3-4	.0	1.0	.7	.0	.0	.0	1.7
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.7	2.1	.0	.0	.0	2.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	10.9	10.4	.0	.0	.0	24.3

% TOTAL

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.0	2.4	.7	.0	.0	.0	4.5	
1-2	4.9	14.5	7.5	.0	.0	.0	26.9	
3-4	1.4	2.6	1.6	.0	.0	.0	3.6	
5-6	.0	.4	2.9	.0	.0	.0	3.3	
7	.0	.7	4.8	.0	.0	.0	5.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.4	.0	.0	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.4	.0	.0	.0	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.3	21.0	17.4	.0	.0	.0	44.7	44.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	15.8	8.2	1.4	.0	.0	.0	25.3	
1-2	5.5	33.6	10.3	.0	.0	.0	49.3	
3-4	2.7	7.5	5.5	.0	.0	.0	15.8	
5-6	.0	.7	5.5	.7	.0	.0	6.8	
7	.0	.7	2.1	.0	.0	.0	2.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	24.0	50.7	24.7	.7	.0	.0	100.0	146

PERIOD: (OVER-ALL) 1950-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	7.7	23.0	20.5	5.0	1.8	1.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79.1	7
6-7	.0	5.0	7.3	0.6	1.6	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	8
8-9	.0	1.1	1.6	.5	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	8
10-11	.0	.9	.9	.2	.2	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	8
12-13	.0	.0	.7	.2	.2	.6	.0	.0	..	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
>13	.0	.0	.0	1.1	.5	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
INDET	6.0	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	1
TOTAL	64	137	139	66	22	12	2	0	3	0	0	0	0	0	0	0	0	0	0	435	1
PCT	14.6	31.2	31.7	13.7	5.0	2.7	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

AREA 0004 MAZATLAN
22.5N 107.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	3.6	9.8	.0	.0	.0	.0	.0	91.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	5.6	.0	.0	.0	.0	5.6	5.6	.0	.0	.0	.0	.0	.0	88.7
SE	.5	2.0	.0	.0	.0	.0	.0	2.5	.0	2.0	.0	.0	7.1	.0	.0	88.4
S	.8	.0	.0	.0	.0	.0	.0	.8	.0	2.8	.8	.0	5.8	.0	.0	89.8
SW	3.4	.0	.0	.0	.0	.0	.0	3.4	.8	3.4	1.1	.0	4.5	.0	.0	87.9
W	1.0	.7	.0	.0	.0	.0	.0	1.7	.7	.0	1.0	.0	2.0	.0	.0	94.0
NW	1.4	.0	.0	.0	.0	.0	.0	1.4	.4	5.4	.4	.0	.0	.0	.0	90.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3	.0	.0	.0	.0	.0	.0	2.3	.0	2.3	.0	.0	7.6	.0	.0	88.4
TOT PCT	1.5	.3	.2	.0	.0	.0	.0	2.0	.7	2.4	.7	.0	3.7	.0	.0	90.6
TOT OBS:	587															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
0000-03	.6	.0	.0	.0	.0	.0	.0	.6	.0	.6	.6	.0	5.1	.0	.0	93.0
0600-09	.6	.0	.0	.0	.0	.0	.0	.6	.6	7.7	1.3	.0	3.2	.0	.0	86.5
1200-15	4.9	.7	.7	.0	.0	.0	.0	6.3	1.4	.7	.0	.0	2.8	.0	.0	89.4
1800-21	.0	.7	.0	.0	.0	.0	.0	.7	.7	.0	.7	.0	3.7	.0	.0	96.1
TOT PCT	1.5	.3	.2	.0	.0	.0	.0	2.0	.7	2.4	.7	.0	3.7	.0	.0	90.7
TOT OBS:	591															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.4	1.4	.4	.1	.0	.0		3.3	6.3	2.7	10.0	2.7	.0	4.4	.0	3.8	.0
NE	.6	1.7	.1	.0	.0	.0		2.4	5.3	2.7	.0	3.1	.0	1.2	.0	2.9	.0
E	1.2	1.7	.4	.0	.0	.0		3.3	5.5	2.2	.0	3.0	.0	3.1	.0	3.9	.0
SE	1.7	4.4	1.4	.1	.0	.0		8.6	7.7	4.9	.0	6.3	.0	11.9	5.3	11.9	17.5
S	2.6	8.8	4.0	.2	.0	.0		15.6	8.0	14.6	7.5	13.1	.0	10.8	26.3	15.8	37.5
SW	1.9	13.4	7.1	.4	.0	.0		22.5	8.9	25.8	27.5	22.8	38.9	17.0	42.1	21.1	.0
W	3.7	14.5	5.8	.4	.0	.0		24.4	8.4	29.6	55.0	23.1	33.3	10.9	15.8	26.3	.0
NW	2.9	5.8	3.2	.3	.1	.0		11.9	9.0	12.5	.0	10.4	27.8	7.8	10.5	8.5	25.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.9							7.9	.0	5.1	.0	7.5	.0	14.7	.0	7.8	.0
TOT OBS	161	358	153	7	1	0	680		7.5	158	10	160	9	101	19	179	4
TOT PCT	23.7	52.6	22.5	1.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	1.1	.0	.1	.0		3.3	6.3	3.1	2.9	3.9	3.7
NE	1.8	.6	.0	.0	.0		2.4	5.3	2.9	3.0	1.3	2.0
E	2.2	1.1	.0	.0	.0		3.3	5.5	2.1	2.0	4.5	3.0
SE	4.3	3.7	.4	.0	.0		8.6	7.7	4.4	5.0	11.1	12.4
S	7.0	7.8	.8	.0	.0		15.6	8.0	14.1	12.8	19.7	16.7
SW	7.9	13.6	1.1	.0	.0		22.5	8.9	25.9	23.7	25.0	20.6
W	11.4	11.1	1.8	.0	.0		24.4	8.4	31.1	23.7	19.1	27.8
NW	9.4	5.0	1.4	.2	.0		11.9	9.0	11.0	10.9	8.1	8.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.9						7.9	.0	4.0	7.1	12.5	7.7
TOT OBS	341	294	38	3	0	680		7.5	164	169	160	183
TOT PCT	50.1	43.2	5.6	.4	.0		100.0		100.0	100.0	100.0	100.0

FORM 780

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1881-1979

AREA 0004 MAZATLAN
22.5N 107.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	4.8	11.9	48.2	33.3	1.8	.C	.0	8.9	100.0	168
06609	7.1	13.8	56.8	20.7	1.6	.6	.0	7.9	100.0	169
12615	12.5	16.9	52.5	18.1	.C	.C	.0	6.6	100.C	160
18621	7.7	20.8	53.0	18.0	.5	.C	.C	6.8	100.0	183
TOT	54	107	358	153	7	1	0	7.5		680
PCT	7.9	15.7	52.6	22.5	1.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.7	.2	.4	.4		2.1
NE	1.5	.4	.7	.2		2.8
E	1.8	.4	1.8	.2		3.6
SE	4.8	1.5	2.3	.8		3.1
S	8.2	1.7	3.6	1.6		3.0
SW	12.0	3.9	3.7	1.4		2.7
W	11.2	5.1	5.5	1.9		3.0
NW	7.5	1.5	2.2	1.0		2.6
VAR	.0	.C	.C	.C		.0
CALM	5.6	.8	1.2	.8		2.3
TOT OBS	279	77	106	41	499	2.8
TOT PCT	55.1	15.4	21.2	8.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >0/0) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.2	.4	.C	.0	.0	.0	3.1	
NE	.0	.0	.0	.2	.2	.1	.0	.0	.0	.C	2.3	
E	.0	.0	.0	.2	.2	.5	.2	.0	.0	.2	2.9	
SE	.0	.0	.4	.1	.7	.2	.3	.0	.0	.C	7.7	
S	.2	.0	.0	.2	2.2	.4	.4	.0	.2	.0	11.6	
SW	.1	.2	.C	.1	2.2	1.C	.2	.2	.0	.0	17.1	
W	.0	.0	.6	1.0	2.C	.8	.5	.C	.2	.C	10.6	
NW	.0	.0	.1	.4	.8	1.0	.1	.2	.C	.C	9.6	
VAR	.0	.0	.0	.0	.0	.C	.C	.0	.0	.C	.C	
CALM	.4	.C	.0	.2	.8	.2	.2	.0	.0	.C	6.6	
TOT OBS	1	1	5	11	46	22	9	2	2	1	397	499
TOT PCT	.6	.2	1.0	2.2	9.2	4.4	1.8	.4	.4	.2	79.6	100.C

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >0/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : CR >10	: 0R >5	: 0R >2	: 0R >1	: 0R >1/2	: 0R >1/4	: 0R >SCYD	: 0R >C
: 0R >4500	.6	.6	.6	.6	.6	.6	.6	.6
: 0R >5000	1.0	1.0	1.0	1.C	1.C	1.0	1.0	1.0
: 0R >3500	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8
: 0R >2000	6.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2
: 0R >1000	13.8	16.6	16.6	16.6	16.6	16.6	16.6	16.6
: CR >600	15.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
: 0R >500	16.2	19.2	19.6	19.6	19.6	19.6	19.6	19.6
CR >150	16.2	19.6	19.8	19.8	19.8	19.8	19.8	19.8
: 0R > 0	16.6	20.0	20.6	20.6	20.6	20.6	20.6	20.6
TOTAL	62	100	102	102	102	102	102	102

TOTAL NUMBER OF OBS: 499

PCT FREQ HH <5/8: 79.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
17.0	14.4	12.8	9.C	6.8	6.6	6.6	5.0	6.4	522

PERIOD: (PRIMARY) 1951-1979 (OVER-ALL) 1881-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.2	
2<5	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.2	.1	.2	.0	.0	.0	.0	.5	
5<10	PCP	.0	.0	.2	.0	.0	.0	.3	.2	.0	.2	1.5	
	NO PCP	.2	.2	.1	.6	1.6	2.8	3.8	1.5	.0	.5	11.1	
	TOT %	.2	.2	.3	.6	1.6	3.6	4.0	1.5	.0	.7	12.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
	NO PCP	3.4	2.3	2.7	7.7	13.5	18.7	20.8	10.7	.0	6.7	86.5	
	TOT %	3.4	2.3	2.7	7.7	13.5	18.7	21.0	10.7	.0	6.7	86.6	
	TOT OBS												504
	TOT PCT	3.6	2.5	3.0	8.5	15.3	22.5	25.0	12.2	.0	7.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	*	.1	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	.0	.0	.2	.0	.2	.0	.0	.0	.2	.5	
	4-10	.0	.0	.2	.2	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.1	*	.1	.1	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	.3	.1	.2	.1	.1	.0	.2	1.1	
5<10	0-3	.0	.0	.0	.0	.2	.2	.9	.3	.0	.8	2.5	
	4-10	.2	.2	.1	.5	.9	2.0	2.8	.4	.0		7.2	
	11-21	.0	.0	.2	.0	.3	1.2	.6	.6	.0		2.8	
	22+	.0	.0	.0	*	.1	.0	.0	.2	.0		.3	
	TOT %	.2	.2	.3	.6	1.5	3.4	4.3	1.4	.0	.8	12.8	
10+	0-3	1.4	.9	.9	1.4	2.1	1.2	2.9	1.9	.0	6.9	19.1	
	4-10	1.4	1.6	1.5	4.7	7.6	10.9	11.9	5.5	.0		45.2	
	11-21	.5	.2	.3	1.4	4.0	6.2	5.6	2.7	.0		20.9	
	22+	.0	.0	.0	*	.1	*	.4	.2	.0		.8	
	TOT %	3.3	2.7	2.8	7.5	13.8	18.4	20.8	10.3	.0	6.9	85.9	
	TOT OBS												611
	TOT PCT	3.6	2.4	3.2	8.4	15.6	22.0	25.2	11.8	.0	7.9	100.0	

JUNE

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1951-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.7	1.5	.7	8.0	2.9	2.9	.0	.0	.0	16.8	83.2	137
06&09	.0	.0	1.4	2.2	5.8	3.6	.7	1.4	.7	.0	15.9	84.1	138
12&15	2.5	.0	.8	3.3	11.5	4.9	3.3	.0	.0	.8	27.0	73.0	122
18&21	.0	.0	.0	2.5	11.0	5.9	.0	.0	.8	.0	20.3	79.7	118
TOT	3	1	5	11	46	22	9	2	2	1	102	413	515
PCT	.6	.2	1.0	2.1	8.9	4.3	1.7	.4	.4	.2	19.8	80.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.6	11.2	88.2	161
06&09	.0	.0	.0	1.3	15.0	83.8	160
12&15	.0	.0	.7	2.0	17.9	79.5	151
18&21	.0	.0	.0	.7	7.0	92.3	143
TOT	0	0	1	7	79	528	615
PCT	.0	.0	.2	1.1	12.8	85.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <5BYD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.0	2.3	5.1	14.5	82.6	131
06&09	.0	1.5	3.0	12.8	83.5	133
12&15	2.5	3.3	7.5	20.8	71.7	120
18&21	.0	.0	2.6	18.9	79.1	115
TOT	3	9	21	82	396	499
PCT	.6	1.8	4.2	16.4	79.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.2	.2	.0	.0	.2	3	.6
85/89	.0	.0	.0	.6	1.0	1.5	1.0	.4	22	4.6
80/84	.0	.0	.2	.6	4.2	9.0	8.1	2.7	119	24.8
75/79	.0	.0	.0	.4	2.9	15.4	13.2	7.3	108	39.2
70/74	.0	.0	.0	.2	1.0	7.9	10.7	5.2	118	24.6
65/69	.0	.0	.0	.0	.2	.6	3.1	2.1	29	6.1
TOTAL	0	0	1	10	46	165	171	86	479	100.0
PCT	.0	.0	.2	2.1	9.6	34.4	35.7	18.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.2	.3	.2	.1	.0	.0	.0	.0
.2	.6	.2	.5	.6	1.1	.7	.6	.0	.0
1.9	.7	1.1	2.9	4.2	3.1	4.7	4.4	.0	1.9
1.5	.9	1.9	2.4	5.7	9.8	8.7	4.5	.0	4.0
.4	.3	.4	2.8	5.0	6.6	5.2	2.4	.0	1.7
.0	.2	.0	.5	.6	2.6	1.3	.9	.0	.0
4.0	2.7	3.7	9.3	16.1	23.2	20.6	12.8	.0	7.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	86	79	71	68	65	79.0	170
06&09	88	87	82	76	67	66	66	75.8	170
12&15	86	85	82	76	68	66	65	75.7	156
18&21	91	90	87	80	70	67	66	79.2	178
TOT	91	90	86	78	69	66	65	77.9	674

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.4	16.0	51.6	32.0	7.2	77	125
06&09	.0	.7	5.7	26.5	38.2	30.9	84	136
12&15	.0	3.7	1.9	23.4	49.5	21.5	83	107
18&21	.0	2.7	10.9	46.0	23.9	10.6	77	113
TOT	0	11	47	165	172	86	80	481

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1901-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
20/22	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
17/19	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
14/16	.0	.0	.0	.0	.2	.0	.0	1	.0	.2
11/13	.0	.0	.0	.2	.7	.5	.0	8	.0	1.4
9/10	.0	.0	.2	.2	.5	.4	.5	10	.0	1.8
7/8	.0	.2	.4	1.2	.4	.2	.2	14	.0	2.5
6	.0	.0	.0	1.4	.0	.7	.2	13	.0	2.3
5	.0	.0	.7	.9	.7	.4	.2	16	.0	2.8
4	.0	.0	1.2	.9	.5	.7	.2	20	.0	3.5
3	.0	.4	.2	1.1	1.0	.4	.0	21	.0	3.7
2	.2	.2	.4	1.6	2.0	1.1	.0	30	.0	5.3
1	.0	.4	1.1	2.1	1.2	.4	.0	29	.2	5.0
0	.0	.9	2.5	2.0	3.2	.0	.0	48	.2	8.3
-1	.0	.4	1.2	3.2	1.6	.4	.0	38	.0	6.7
-2	.4	1.2	2.5	3.0	0.4	.0	.0	65	.0	11.5
-3	.0	1.2	1.2	4.3	1.4	.2	.0	47	.2	8.2
-4	.7	2.0	2.8	4.6	.5	.0	.0	60	.2	10.5
-5	.7	2.1	2.8	3.5	.4	.0	.0	54	.0	9.6
-6	.2	2.0	1.2	1.1	.0	.0	.0	25	.0	4.4
-7/-8	.4	1.6	2.0	1.4	.2	.0	.0	31	.0	5.5
-9/-10	.9	2.5	.4	.2	.0	.0	.0	22	.0	3.9
-11/-13	.7	.4	.4	.0	.0	.0	.0	8	.0	1.4
-14/-16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	23	87	119	186	113	29	7	564	4	560
PCT	4.1	15.4	21.1	33.0	20.0	5.1	1.2	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.8	.8	.0	.0	.0	2.1
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.4	.8	.0	.0	.0	2.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.0	.0	.0	.0	.0	.8
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	.8	.0	.0	.0	.0	1.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.0	.0	.0	.0	3.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	.0	.0	.0	.0	3.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.0	.0	.0	.0	.0	.8
1-2	.0	2.1	.8	.0	.0	.0	2.9
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	2.3	.8	.0	.0	.0	3.9

PERIOD: (OVER-ALL) 1963-1979 JUNE AREA 0604 HAZATLAN 22.5N 107.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	2.7	.8	.0	.0	.0	3.5
3-4	.0	.6	1.4	.0	.0	.0	1.9
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	4.1	.0	.0	.0	7.9

5a

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	1.2	12.6	3.1	.0	.0	.0	16.3
3-4	.0	2.1	3.5	.0	.0	.0	5.6
5-6	.0	.8	1.2	.0	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	16.7	7.8	.0	.0	.0	25.6

6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	1.4	.0	.0	.0	.0	2.7
1-2	1.9	11.2	2.3	.0	.0	.0	15.5
3-4	.8	7.8	1.4	.0	.0	.0	9.9
5-6	.0	.0	1.6	.0	.0	.0	1.6
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.8	.0	.0	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.1	21.1	6.0	.0	.0	.0	31.2

6a

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.2	.0	.0	.0	.0	.6
1-2	1.6	3.5	.6	.0	.0	.0	5.8
3-4	.0	4.1	2.3	.0	.0	.0	6.4
5-6	.0	.0	.8	.0	.8	.0	1.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	7.8	3.9	.0	.0	.0	13.5

TOTAL PCT

9C.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT
<1	13.8	4.6	.8	.0	.6	.0	19.2
1-2	5.4	36.6	8.5	.0	.0	.0	48.5
3-4	.8	14.6	8.5	.0	.0	.0	23.8
5-6	.0	.8	4.6	.0	.8	.0	6.2
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.8	.0	.0	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	20.0	55.4	23.0	.0	.0	.0	100.0

TOT OBS

130

PERIOD: (OVER-ALL) 1963-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<4	4.2	19.2	21.2	11.6	1.6	.7	.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79.6	1
4-7	.6	1.1	6.9	9.1	2.0	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	1
8-9	.0	.9	1.6	2.0	.7	.4	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.7	1
10-11	.0	.4	.7	.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1
12-13	.0	.0	.7	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1
>13	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1
ENDFT	4.9	1.1	2.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	1
TOTAL	50	104	198	107	23	9	3	1	6	1	2	0	0	0	0	0	0	0	0	955	1
PCT	11.1	23.2	33.4	23.8	5.1	2.0	.9	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1893-1979

AREA 0004 HAZARLAN
22.6N 100.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST BLWG	NO SIG WEA
N	7.2	.0	7.2	.0	.0	.0	.0	14.4	.0	7.2	.0	.0	.0	.0		78.4
NE	1.6	.0	1.6	.0	.0	.0	.0	3.2	6.5	8.1	.0	.0	.0	.0		82.3
E	4.0	.0	4.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	10.0	.0		82.0
SE	1.7	.0	1.7	.0	.0	.0	.0	3.4	3.4	1.7	.0	.0	.9	.0		90.6
S	1.2	.0	1.6	.0	.0	.0	.0	2.7	.0	3.1	.0	.0	.0	.0		94.2
SW	2.6	.0	2.0	.0	.0	.0	.0	4.6	.0	.5	.0	.0	4.1	2.0		88.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0		95.1
NW	.0	.0	1.6	.0	.0	.0	.0	1.6	3.3	3.3	.0	.0	.0	.0		91.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0		93.9
TOT PCT	1.5	.0	1.7	.0	.0	.0	.0	3.2	1.2	3.4	.0	.0	1.2	.2		90.7
TOT OBS:	488															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST BLWG	NO SIG WEA
00E03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	2.8	.0		96.3
06E09	2.9	.0	3.9	.0	.0	.0	.0	6.9	2.9	9.8	.0	.0	1.0	1.0		78.4
12E15	2.1	.0	2.1	.0	.0	.0	.0	4.2	2.1	2.1	.0	.0	.0	.0		91.7
18E21	.9	.0	.9	.0	.0	.0	.0	1.9	.0	.9	.0	.0	.9	.0		96.2
TOT PCT	1.5	.0	1.7	.0	.0	.0	.0	3.2	1.2	3.4	.0	.0	1.2	.2		90.8
TOT OBS:	411															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-1	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.0	2.0	.4	.0	.0	.0		5.4	6.1	6.8	.0	5.6	.0	3.8	25.0	5.7	.0
NE	1.0	2.4	.7	.0	.0	.0		4.1	6.9	1.5	7.1	.2	.0	4.6	.0	8.8	.0
E	2.1	2.7	1.0	.2	.1	.0		6.1	7.6	5.8	7.1	3.1	.0	7.1	.0	8.4	.0
SE	3.2	9.4	2.3	.7	.1	.0		15.2	7.6	10.7	14.3	17.4	.0	12.4	.0	19.7	33.3
S	3.4	9.0	2.5	.4	.0	.0		15.2	7.4	19.4	.0	12.5	100.0	10.1	.0	14.5	.0
SW	2.5	8.0	2.0	.1	.0	.0		12.6	7.3	15.5	14.6	13.8	.0	12.2	10.0	9.0	8.3
W	2.0	13.4	4.1	.0	.0	.0		19.7	8.1	26.7	50.0	20.8	.0	15.8	50.0	14.8	41.7
NW	3.2	7.3	3.0	.2	.0	.0		13.8	7.7	12.6	14.3	17.0	.0	17.6	6.9	9.8	16.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.6							7.6	.0	1.0	7.1	9.8	.0	10.2	.0	9.7	.0
TOT OBS	131	267	80	9	1	0	488		7.0	103	14	112	1	98	8	144	1
TOT PCT	26.1	55.2	16.5	1.8	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	3.1	2.1	.0	.0	.0		5.4	6.1	6.0	5.9	5.4	5.0	
NE	2.0	2.1	.0	.0	.0		4.1	6.9	2.1	.2	4.2	8.6	
E	1.0	2.8	.2	.0	.1		4.1	7.6	4.8	3.1	6.6	8.3	
SE	8.3	5.8	1.1	.0	.1		15.2	7.6	11.1	17.3	11.6	19.6	
S	7.7	6.9	.6	.0	.0		15.2	7.4	17.1	13.3	16.7	14.2	
SW	6.1	6.0	.1	.0	.0		12.6	7.3	16.0	13.5	12.7	9.0	
W	7.7	11.7	.1	.0	.0		19.7	8.1	27.1	28.6	16.4	15.4	
NW	7.0	6.1	.7	.0	.0		13.8	7.7	13.0	16.8	16.7	10.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	7.6						7.6	.0	1.7	9.7	9.6	9.4	
TOT OBS	256	212	14	0	1	484		7.0	117	113	106	148	
TOT PCT	52.9	43.8	2.9	.0	.2		100.0		100.0	100.0	100.0	100.0	

JULY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1893-1979

AREA 0004 MAZATLAN
22.6N 106.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.7	21.4	59.0	17.1	.9	.0	.0	7.4	100.0	117
06&09	9.7	13.3	54.9	21.2	.9	.0	.0	7.2	100.0	113
12&15	9.4	20.8	52.8	17.0	.0	.0	.0	6.7	100.0	106
18&21	9.5	21.6	54.1	12.2	2.0	.7	.0	6.6	100.0	148
TOT	37	96	267	80	5	1	0	7.0		484
PCT	7.6	19.8	55.2	16.5	1.0	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	.8	2.7	1.0		5.3
NE	.4	.7	1.6	.7		5.1
E	1.1	1.8	2.2	1.4		5.0
SE	4.1	4.9	5.2	.6		3.6
S	4.9	3.2	4.8	1.9		3.9
SW	5.6	3.4	2.5	1.5		3.5
W	5.7	5.3	4.6	3.0		4.0
NW	4.7	3.4	5.3	1.4		3.9
VAR	.0	.0	.0	.0		.0
CALM	3.6	.6	3.0	.6		3.4
TOT OBS	104	82	107	41	334	4.0
TOT PCT	31.1	24.6	32.0	12.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.8	.5	.3	.8	.0	.0	.0	3.1	
NE	.0	.9	.0	.1	.3	.0	.1	.1	.0	.0	2.6	
E	.0	.2	.0	.6	.8	.0	.3	.2	.0	.0	4.4	
SE	.0	.0	.0	.6	1.1	.6	.9	.3	.0	.0	12.0	
S	.0	.0	.2	.0	1.0	1.4	.0	.5	.0	.0	11.6	
SW	.1	.0	.1	.9	.6	.4	.0	.1	.0	.1	10.7	
W	.2	.0	.0	.3	.8	1.0	.0	.3	.0	.4	15.5	
NW	.0	.3	.0	.9	1.6	.7	.3	.0	.0	.1	11.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.3	.3	.6	.0	.0	.0	.0	6.6	
TOT OBS	1	3	1	15	24	17	6	5	0	2	260	334
TOT PCT	.3	.9	.3	4.5	7.2	5.1	1.8	1.5	.0	.6	77.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5CYC	: OR >0
: OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
: OR >4000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
: OR >3500	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
: OR >2000	8.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9
: OR >1000	16.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0
: OR >600	17.5	19.9	20.2	20.2	20.2	20.5	20.5	20.5
: OR >100	17.8	20.2	20.5	20.5	20.5	20.8	20.8	20.8
: OR >150	18.4	21.1	21.4	21.4	21.4	21.7	21.7	21.7
: OR > 0	18.7	21.4	21.7	21.7	21.7	22.0	22.0	22.0
TOTAL	63	72	73	73	73	74	74	74

TOTAL NUMBER OF OBS: 337 PCT FREQ HH <4/8: 78.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	.	TOTAL OBS
19.7	19.2	16.7	15.8	8.8	6.5	5.4	7.7	7.8	.0	364

JULY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1891-1979

AREA 0004 MAZATLAN
22.6N 106.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
5<10	PCP	.2	.1	.0	.0	.0	.2	.0	.2	.0	.0	.7	
	NO PCP	.7	.5	.2	1.0	.7	1.0	.5	.5	.0	.5	5.7	
	TOT %	.9	.6	.2	1.0	.7	1.2	.5	.8	.0	.5	6.4	
10+	PCP	.7	.1	.0	.5	.4	.3	.0	.0	.0	.0	2.0	
	NO PCP	4.2	7.1	5.6	12.9	10.2	10.5	10.5	10.3	.0	7.6	90.9	
	TOT %	4.9	7.2	5.6	13.4	10.7	10.8	10.5	10.3	.0	7.6	92.9	
	TOT OBS												406
	TOT PCT	6.0	7.9	6.2	14.4	11.4	12.1	11.0	11.1	.0	8.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	11-21	.1	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.2	.0	.0	.2	.0	.0	.0	.0	.4	
5<10	0-3	.4	.1	.2	.2	.0	.3	.2	.0	.0	.0	2.2	
	4-10	.2	.5	.1	.6	.0	.4	.4	.2	.2		2.7	
	11-21	.2	.0	.0	.2	.7	.1	.4	.5	.0		2.6	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.2		.0	
	TOT %	.9	.7	.3	1.1	.7	1.1	.4	.8	.0	.0	7.2	
10+	0-3	1.4	.7	1.4	2.0	1.1	1.[illegible]	2.6	3.0	.0	7.4	20.6	
	4-10	2.0	2.0	2.0	7.0	6.0	7.7	12.7	7.1	.0		46.4	
	11-21	.7	.4	1.2	2.2	2.0	1.8	4.1	3.0	.0		19.7	
	22+	.0	.0	.2	.1	.4	.1	.6	.2	.0		1.2	
	TOT %	4.0	3.1	4.7	11.1	10.1	10.7	19.0	10.0	.0	7.4	91.0	
	TOT OBS												41
	TOT PCT	5.0	3.7	6.1	10.2	15.1	12.2	19.4	10.0	.0	9..	100.[illegible]	

JULY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1893-1979

AREA DOCs HAZATLAN
22.6A 100.0%

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >=/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.0	1.1	.0	1.1	5.3	2.1	.0	.0	.0	1.1	10.6	89.4	94
06&09	1.1	.0	1.1	7.8	6.7	10.0	1.1	2.2	.0	.0	30.0	70.0	90
12&15	.0	2.6	.0	3.8	8.9	6.3	1.3	3.8	.0	.0	26.6	73.4	79
18&21	.0	.0	.0	4.3	6.5	1.1	4.3	.0	.0	1.1	17.4	82.6	92
TOT	1	3	1	15	24	17	6	5	0	2	74	281	355
PCT	.3	.8	.3	4.2	6.8	4.8	1.7	1.4	.0	.6	20.8	79.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	2.8	97.2	109
06&09	.0	.9	.0	1.9	11.3	85.8	106
12&15	1.0	.0	.0	.0	11.3	87.6	97
18&21	.0	.0	.0	.0	3.8	96.2	104
TOT	1	1	0	2	30	384	410
PCT	.2	.2	.0	.5	7.2	91.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >=/8),BY HOUR

HOUR (GMT)	<1SC <500'D	<60C <1	<1CCO <5	1CCO+ ANDS+	MM <5/8 ANC 5+	TOTAL OBS
00&03	.0	1.1	2.3	9.2	88.5	87
06&09	1.1	2.3	11.4	20.5	68.2	88
12&15	.0	4.C	6.7	21.3	72.C	75
18&21	.0	.C	4.6	13.8	81.6	87
TOT	1	6	21	56	262	337
PCT	.3	1.8	6.2	16.6	77.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.C	.0	.C	.6	.9	1.2	.9	.3	13	3.8
85/89	.C	.0	.C	.0	3.2	9.5	5.0	1.5	62	18.1
80/84	.0	.0	.C	.0	2.9	13.2	26.3	10.8	182	53.2
75/79	.C	.3	.C	.C	.3	7.0	9.6	9.8	76	22.2
70/74	.0	.0	.C	.0	.C	.0	1.2	1.5	9	2.6
TOTAL	0	1	C	2	24	88	166	81	342	100.0
PCT	.0	.0	.0	.6	7.0	25.7	42.7	23.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

%	NE	E	SE	S	SW	W	NW	VAR	CALM
.3	.0	.3	.7	1.3	.6	.3	.3	.C	.3
1.8	1.2	.0	2.C	2.3	2.1	3.3	2.0	.C	1.8
2.8	1.9	4.7	7.8	8.5	7.8	8.7	7.3	.C	4.1
1.0	.6	1.7	1.7	1.8	3.4	5.6	7.9	.C	.9
.2	.3	.C	.C	.3	.4	1.C	.5	.C	.C
6.1	3.8	7.1	14.7	14.2	14.C	18.9	18.8	.C	7.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MEA	90%	95%	*98	5%	1%	MIN	MEAN	TOTAL OBS
00&03	82	91	95	97	77	74	74	81.7	114
06&09	87	94	96	98	79	71	71	85.7	113
12&15	86	94	96	98	79	77	72	79.6	157
18&21	85	93	95	96	78	73	73	83.8	191
TOT	87	93	96	97	79	73	71	82.1	577

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.C	1.2	10.3	36.5	41.7	11.9	7%	8%
06&09	.C	.C	9.9	26.8	46.C	27.C	8%	1CC
12&15	.C	.C	2.6	11.7	49.4	36.4	8%	7%
18&21	.C	1.2	6.9	35.7	36.4	19.C	8%	8%
TOT	[illegible]	[illegible]	[illegible]	29	44	100	8%	8%

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1897-1979

AREA CODE MAZATLAN
72.6% 100.0%

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	#0 FOG
10/16	.0	.0	.0	.3	.0	.3	2	.0	.5
11/13	.0	.0	.0	.3	.3	.3	3	.0	.8
9/10	.0	.0	.3	.5	.0	.5	6	.0	1.6
7/8	.0	.0	.3	1.3	1.0	1.3	15	.0	3.9
6	.0	.0	.0	.5	.3	.8	6	.0	1.6
5	.0	.0	.5	.8	1.3	.0	10	.0	2.6
4	.0	.0	.5	1.3	1.0	.3	12	.0	3.1
3	.0	.0	1.0	.5	.8	.5	11	.0	2.9
2	.0	.0	1.0	2.1	1.3	.3	18	.0	4.7
1	.0	1.0	1.8	3.1	2.9	.0	34	.0	8.9
0	.0	.3	1.8	4.7	2.6	.3	37	.0	9.7
-1	.0	.3	.5	5.8	1.6	.0	31	.0	8.1
-2	.0	.8	3.7	6.8	2.4	.0	52	.0	13.6
-3	.0	.8	2.9	7.3	1.3	.0	47	.0	12.3
-4	.3	.8	2.6	5.5	.0	.0	35	.0	9.2
-5	.3	1.0	2.1	4.5	.0	.0	30	.0	7.9
-6	.0	.5	2.4	.3	.3	.0	13	.0	3.4
-7/-8	.5	.5	1.8	.3	.0	.0	12	.0	3.1
-9/-10	.0	1.0	.5	.0	.0	.0	6	.0	1.6
-11/-13	.0	.3	.0	.3	.0	.0	2	.0	.5
TOTAL	5	28	91	176	65	17	382	0	382
PCT	1.3	7.3	23.8	46.1	17.0	4.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	.0	.0	.0	.0	1.6	1.1	1.1	.5	.0	.0	.0	2.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1
5-6	.0	1.9	2.2	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.5	3.3	.0	.0	.0	6.8	1.1	1.1	1.6	.0	.0	.0	3.5

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	2.7	.0	.0	.0	4.9	2.6	4.3	1.6	.0	.0	.0	8.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	2.2	2.7	.0	.0	.0	6.0	2.6	4.3	3.8	1.1	.0	.0	11.8

JULY

PERIOD: (OVER-ALL) 1963-1979 AREA OCCN WATLAN

TABLE 18 (CONT) 22.6% 100.0%

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.9	.0	.0	.0	.0	.0	1.9
1-2	.8	5.2	1.1	.0	.0	.0	7.1
3-4	.0	.8	.8	1.1	.0	.0	2.7
5-6	.0	.6	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	6.0	1.9	1.1	.0	.0	11.7

SSW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.0	.0	.0	.0	.0	.3
1-2	1.1	4.1	1.4	.0	.0	.0	6.5
3-4	1.1	4.1	1.4	.0	.0	.0	6.5
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	8.2	3.0	.0	.0	.0	14.6

b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	.0	11.1	2.7	.0	.0	.0	13.9
3-4	.0	3.8	2.7	.0	.0	.0	6.5
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.0	6.3	.0	.0	.0	22.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	.0	.0	.0	.0	.0	1.1	
1-2	.0	3.0	.3	.0	.0	.0	3.3	
3-4	.0	1.1	3.8	1.1	.0	.0	6.0	
5-6	.0	.3	2.4	.0	.0	.0	2.7	
7	.0	1.1	1.1	.0	.0	.0	2.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	5.4	7.6	1.1	.0	.0	15.2	91.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.0	1.1	.0	.0	.0	.0	13.0	
1-2	6.5	32.6	9.8	.0	.0	.0	48.9	
3-4	1.1	9.8	12.0	2.2	.0	.0	25.0	
5-6	.0	2.2	6.5	.0	.0	.0	8.7	
7	.0	1.1	2.2	.0	.0	.0	3.3	
8-9	.0	.0	.0	1.1	.0	.0	1.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.6	46.7	30.4	3.3	.0	.0	100.0	92

PERIOD: (OVER-ALL) 1963-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK PCT
<6	5.5	20.7	17.2	5.2	1.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	171	*
6-7	.3	2.9	5.8	9.5	.6	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97	*
8-9	.1	1.6	3.0	1.9	1.3	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	*
10-11	.0	1.9	.3	1.3	1.6	.0	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	10	*
12-13	.0	.0	.0	1.3	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	*
>13	.0	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
INDET	6.5	9.2	1.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	*
TOTAL	39	109	81	46	21	9	5	2	1	0	0	1	0	0	0	0	0	0	0	369	*
PCT	12.7	35.8	26.3	14.9	6.8	2.9	1.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

AREA 0004 MAZATLAN
22.6N 106.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	3.0	.0	.0	.0	.0	.0	.0	3.0	.0	12.6	3.0	.0	3.0	.0		78.5
NE	.0	.0	8.2	.0	.0	.0	.0	8.2	4.1	4.1	.0	.0	.0	.0		83.7
E	7.8	.0	3.1	.0	.0	.0	.0	10.9	7.8	8.5	.0	.0	.0	.0		72.9
SE	9.6	3.0	2.6	.0	.0	.0	.0	10.2	4.3	3.0	.0	.0	1.3	.0		81.2
S	3.5	1.3	1.8	.0	.0	.0	.0	4.8	1.3	11.5	.0	.0	.0	.0		82.4
SW	4.7	.0	.0	.0	.0	.0	.0	4.7	.0	15.8	.0	.0	.5	.0		81.9
W	.6	.0	1.2	.0	.0	.0	.0	1.8	.0	10.8	.0	.0	.9	.0		87.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	1.6	13.2	.0	.0	.0	.0		85.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	3.1	.0		90.6
TOT PCT	2.7	.7	1.4	.0	.0	.0	.0	4.5	1.8	10.0	.2	.0	.9	.0		83.0
TOT OBS:	442															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.9	.0	1.8	.0	.0	.0	.0	1.8	.9	4.4	.0	.0	.9	.0		92.1
06&09	1.7	.9	.0	.0	.0	.0	.0	2.6	.0	18.3	.0	.0	.9	.0		78.3
12&15	4.5	.9	2.7	.0	.0	.0	.0	8.0	3.6	17.9	.0	.0	.9	.0		71.4
18&21	3.5	.9	.9	.0	.0	.0	.0	5.3	2.6	.9	.9	.0	.9	.0		89.5
TOT PCT	2.6	.7	1.3	.0	.0	.0	.0	4.4	1.8	10.3	.2	.0	.9	.0		82.9
TOT OBS:	455															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.4	4.5	.8	.0	.0	.0		7.6	5.9	4.8	.0	9.0	.0	4.2	.0	11.5	.0
NE	.7	2.2	.2	.0	.0	.0		3.1	6.1	1.0	.0	2.0	.0	2.8	3.1	5.5	.0
E	1.5	5.1	1.1	.1	.0	.0		7.8	7.3	3.4	14.3	4.5	15.0	11.9	9.4	9.7	.0
SE	3.1	10.1	3.6	.5	.0	.0		17.4	8.4	7.9	28.6	12.2	25.0	18.9	50.0	22.7	60.0
S	2.0	8.2	3.3	.1	.2	.0		13.8	8.7	20.4	.0	9.0	.0	13.3	.0	14.5	37.5
SW	2.6	7.7	2.5	.C	.0	.0		12.8	7.4	14.4	14.3	16.4	2C.0	4.6	25.0	11.4	12.5
W	3.9	11.8	1.1	.C	.0	.0		16.8	6.5	25.2	21.4	14.6	40.0	16.2	12.5	11.8	.0
NW	2.2	8.5	2.8	.C	.0	.0		13.5	7.7	19.0	7.1	18.7	.0	12.6	.0	8.9	.0
VAR	.0	.0	.0	.C	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.C	.0
CALM	7.1							7.1	.0	3.8	14.3	13.5	.0	9.3	.0	4.0	.0
TOT OBS	132	303	80	4	1	0	520		7.0	104	7	111	5	107	8	176	2
TOT PCT	25.4	58.3	15.4	.8	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.9	2.8	.0	.0	.0		7.6	5.9	4.5	8.6	3.9	11.4
NE	2.1	1.0	.0	.0	.0		3.1	6.1	.9	1.9	2.8	5.5
E	4.3	3.1	.4	.0	.0		7.8	7.3	4.1	5.0	11.7	9.6
SE	7.9	7.9	1.5	.0	.0		17.4	8.4	9.2	12.7	21.1	23.0
S	6.5	6.8	1.1	.0	.2		13.8	8.7	19.1	8.6	12.4	14.7
SW	6.2	6.0	.7	.0	.0		12.8	7.4	14.4	16.6	9.8	11.4
W	8.8	7.6	.3	.0	.0		16.8	6.5	25.0	15.7	17.8	11.7
NW	6.0	7.3	.2	.0	.0		13.5	7.7	18.2	17.9	11.7	8.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.1						7.1	.0	4.5	12.9	8.7	3.9
TOT OBS	280	217	22	0	1	520		7.0	111	116	115	178
TOT PCT	53.8	41.7	4.2	.0	.2		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

TABLE 4

AREA 0004 MAZATLAN
22.6N 106.0W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.5	11.7	63.1	19.8	.9	.0	.0	7.9	100.0	111
06&09	12.9	18.1	54.3	13.8	.9	.0	.0	6.3	100.0	116
12&15	8.7	20.0	57.4	13.9	.0	.0	.0	6.6	100.0	115
18&21	3.9	21.3	50.4	24.6	1.1	.6	.0	7.1	100.0	178
TOT	37	95	303	80	4	1	0	7.0		520
PCT	7.1	18.3	58.3	15.4	.8	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.1	2.0	1.2	1.7		3.6
NE	.1	.7	1.9	.1		5.2
E	.8	1.6	2.9	2.1		5.6
SE	4.4	3.7	5.9	3.0		4.5
S	2.8	2.4	5.6	1.4		4.5
SW	3.5	3.3	3.6	.6		3.6
W	5.5	5.8	5.6	.5		3.6
NW	5.4	3.4	4.1	2.0		3.7
VAR	.0	.0	.0	.0		.0
CALM	5.3	1.1	1.7	.3		2.3
TOT OBS	115	87	117	42	361	4.0
TOT PCT	31.9	24.1	32.4	11.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >A/P) AND OCCURRENCE OF HH <S/B BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <S/B ANY HGT	TOTAL OBS
N	.0	.0	.0	.3	.3	.3	.6	.0	.0	.0	7.5	
NE	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	2.3	
E	.0	.0	.0	.6	1.9	.7	.2	.0	.0	.3	3.7	
SE	.3	.3	.6	2.4	2.1	.0	.1	.0	.0	.0	11.4	
S	.3	.0	.3	.5	2.0	.3	.0	.0	.0	.0	6.9	
SW	.0	.0	.0	.9	.3	.0	.3	.0	.0	.0	9.5	
W	.0	.0	.0	.5	1.6	1.1	.2	.0	.0	.0	14.1	
NW	.0	.3	.3	.9	1.7	.0	.9	.0	.0	.0	10.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	8.0	
TOT OBS	2	2	5	22	37	9	8	0	0	1	275	361
TOT PCT	.6	.6	1.4	6.1	10.2	2.5	2.2	.0	.0	.3	76.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >A/B) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
: OR >5000	.3	.3	.3	.3	.3	.3	.3	.3
: OR >3500	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
: OR >2000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
: OR >1000	12.7	15.2	15.2	15.2	15.2	15.2	15.2	15.2
: OR >600	17.5	21.3	21.3	21.3	21.3	21.3	21.3	21.3
: OR >300	18.8	22.7	22.7	22.7	22.7	22.7	22.7	22.7
: OR >150	19.4	23.3	23.3	23.3	23.3	23.3	23.3	23.3
: OR > 0	19.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8
TOTAL	71	86	86	86	86	86	86	86

TOTAL NUMBER OF OBS: 361

PCT FREQ HH <S/B: 76.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
18.9	15.9	21.6	15.7	8.0	4.4	7.7	4.9	6.4	.5	389

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1962-1979

AREA 0004 MAZATLAN
22.6N 106.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	PCP	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
2<5	NO PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.5	
	PCP	.0	.0	.2	1.2	.5	.6	.1	.0	.0	.0	2.5	
5<10	NO PCP	.9	.5	.6	1.9	1.0	2.2	1.1	.7	.0	.0	8.9	
	TOT %	.9	.5	.8	3.1	1.5	2.7	1.3	.7	.0	.0	11.4	
	PCP	.2	.2	.4	.5	.0	.0	.2	.0	.0	.0	1.6	
10+	NO PCP	6.2	2.1	5.9	13.4	10.9	9.3	17.1	16.0	.0	7.3	88.3	
	TOT %	6.5	2.3	6.4	16.0	10.9	9.3	17.3	16.0	.0	7.3	87.9	
	TOT OBS												437
	TOT PCT	7.4	2.7	7.4	17.1	12.8	12.1	18.6	16.6	.0	7.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.1	.4	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.4	
	0-3	.4	.0	.0	.4	.0	.7	.2	.0	.0	.0	1.8	
5<10	4-10	.4	.4	.8	1.0	.6	2.1	1.1	.4	.0		7.0	
	11-21	.0	.0	.2	1.3	.9	.0	.0	.2	.0		2.7	
	22+	.0	.0	.0	.2	.2	.0	.0	.0	.0		.4	
	TOT %	.9	.4	1.0	3.0	1.7	2.8	1.3	.7	.0	.0	11.9	
	0-3	1.5	.3	1.6	2.2	1.4	1.1	4.1	2.1	.0	7.4	21.7	
10+	4-10	4.0	1.8	3.9	9.8	7.3	5.5	12.0	8.7	.0		53.1	
	11-21	.9	.3	.6	1.6	1.9	2.7	1.3	2.9	.0		12.1	
	22+	.0	.0	.2	.3	.0	.0	.0	.0	.0		.4	
	TOT %	6.4	2.4	6.2	13.9	10.7	9.4	17.4	13.7	.0	7.4	87.4	
	TOT OBS												446
	TOT PCT	7.3	2.8	7.5	17.0	12.7	12.2	18.8	14.3	.0	7.4	100.0	

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1802-1979

AREA 0004 MAZATLAN
22.6N 106.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.0	.0	2.1	5.3	9.6	3.2	1.1	.0	.0	.0	21.3	78.7	94
06E09	.0	.0	1.1	6.3	7.4	1.1	2.1	.0	.0	.0	17.9	82.1	95
12E15	1.1	.0	1.1	6.5	17.2	2.2	3.2	.0	.0	1.1	32.3	67.7	93
18E21	1.0	2.0	1.0	5.0	5.0	3.0	2.0	.0	.0	.0	19.0	81.0	100
TOT	2	2	5	22	37	9	8	0	0	1	86	296	382
PCT	.5	.5	1.3	5.8	9.7	2.4	2.1	.0	.0	.3	22.5	77.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	.0	.0	.0	13.2	86.8	114
06E09	.0	.0	.0	.9	11.4	87.7	114
12E15	.0	.0	.9	.9	19.0	79.3	116
18E21	.0	.0	.0	.0	7.0	93.0	115
TOT	0	0	1	2	58	398	459
PCT	.0	.0	.2	.4	12.6	86.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.0	2.3	8.0	14.9	77.0	87
06E09	.0	1.1	8.0	11.4	88.7	88
12E15	1.1	2.3	10.2	25.0	64.8	88
18E21	1.0	4.1	9.2	10.2	80.6	98
TOT	2	9	32	55	274	361
PCT	.6	2.5	8.9	15.2	75.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.8	.0	.0	.0	3	.8
90/94	.0	.0	.0	.3	1.6	1.3	.8	.3	16	4.2
85/89	.0	.0	.0	.3	3.2	14.3	10.3	1.9	113	29.9
80/84	.0	.0	.0	.0	1.3	18.5	31.0	5.6	213	56.3
75/79	.0	.0	.0	.0	.0	1.6	3.7	2.9	31	8.2
70/74	.0	.0	.0	.0	.0	.0	.5	.0	2	.5
TOTAL	0	0	0	2	26	135	175	40	378	100.0
PCT	.0	.0	.0	.5	6.9	35.7	46.3	10.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.5	.0	.0	.3	.0	.0	.0	.0	.0	.0
	.5	.0	.0	.7	1.1	.3	.8	.8	.0	.0
	2.8	1.0	1.5	5.1	3.4	3.9	5.9	4.2	.0	2.1
	3.8	1.3	5.5	10.6	6.3	6.3	9.7	8.1	.0	4.8
	.5	.9	.7	1.1	1.1	.8	1.3	1.1	.0	.8
	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
	8.2	3.1	7.7	18.2	12.0	11.4	17.7	14.1	.0	7.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	96	95	91	85	80	75	75	85.5	117
06E09	87	86	86	83	79	77	76	82.8	118
12E15	90	88	86	82	77	73	73	81.8	117
18E21	95	92	91	85	80	77	76	85.4	177
TOT	96	92	90	84	79	76	73	84.0	529

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.1	13.0	41.3	34.8	9.8	78	92
06E09	.0	.0	4.1	38.8	50.0	7.1	80	98
12E15	.0	.0	1.0	19.6	61.9	17.5	84	97
18E21	.0	1.0	9.0	44.0	39.0	7.0	79	100
TOT	0	2	26	139	180	40	80	387

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	WO FOG
10/16	.0	.0	.0	.2	.2	.0	2	.0	.5
11/13	.0	.0	.0	.5	.0	.5	4	.0	.9
9/10	.0	.0	.0	.7	.0	.0	3	.0	.7
7/8	.0	.0	.0	.5	.9	.2	7	.0	1.6
6	.0	.0	.5	.5	.2	.2	6	.0	1.4
5	.0	.2	.0	.0	.0	.2	2	.0	.5
4	.0	.2	.5	.7	.9	.2	11	.0	2.6
3	.0	.0	1.4	1.9	.5	.0	16	.0	3.7
2	.0	.2	1.9	3.9	1.4	.0	32	.0	7.4
1	.0	.5	1.2	2.6	1.2	.0	23	.2	5.1
0	.2	.5	4.9	7.0	.5	.0	56	.0	13.0
-1	.2	1.2	6.5	4.9	.0	.0	55	.0	12.4
-2	.0	1.4	8.8	2.1	.0	.0	53	.0	12.3
-3	.0	.7	6.7	1.4	.0	.0	30	.0	8.8
-4	.2	1.9	7.0	1.9	.0	.0	47	.0	10.9
-5	.0	2.3	5.6	.9	.0	.0	34	.0	8.8
-6	.0	1.6	1.9	.2	.0	.0	16	.0	3.7
-7/-8	.2	2.8	1.2	.0	.0	.0	18	.0	4.2
-9/-10	.0	.2	.7	.0	.0	.0	4	.0	.9
TOTAL	4		209		25			1	430
		59		128		6	431		
PCT	.9	13.7	48.5	29.7	5.8	1.4	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	1.1	.0	.0	.0	3.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	1.4	.0	.0	.0	3.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	1.4	.0	.0	.0	3.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.1	1.1	.0	.0	.0	.0	4.2
1-2	.9	2.8	.9	.0	.0	.0	3.7
3-4	.0	.0	1.1	.0	.0	.0	1.1
5-6	.0	.8	.8	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.9	3.9	2.8	.0	.0	.0	10.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.1	.0	.0	.0	.0	1.4
1-2	2.5	7.0	1.4	.0	.0	.0	11.0
3-4	.0	6.7	1.1	.0	.0	.0	7.9
5-6	.0	.3	.3	.0	.0	.0	.6
7	.0	1.1	.0	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	16.3	2.8	.0	.0	.0	21.9

AUGUST

PERIOD: (OVER-ALL) 1963-1979 AREA 0004 MAZATLAN 22.6N 108.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	2.0	3.9	2.0	.0	.0	.0	7.9
3-4	.0	2.2	.0	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.2	.0	.0	.0	2.2
8-9	.0	.0	1.1	.0	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	1.1	.0	.0	1.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	7.0	5.3	.0	1.1	.0	15.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.8	.0	.0	.0	.0	2.8
1-2	.3	1.7	.0	.0	.0	.0	2.0
3-4	.0	2.2	.0	.0	.0	.0	2.2
5-6	.0	1.1	.0	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	7.9	.0	.0	.0	.0	8.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.1	.0	.0	.0	.0	3.1
1-2	2.8	7.3	.0	.0	.0	.0	10.1
3-4	.0	4.5	2.0	.0	.0	.0	6.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.8	.0	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	15.7	2.0	.0	.0	.0	20.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	1.7	3.1	1.1	.0	.0	.0	5.9
3-4	.0	2.2	1.4	.0	.0	.0	3.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	[illegible]	.0	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	6.7	2.5	.0	.0	.0	11.0

HGT	TOTAL PCT
<1	1.1
1-2	5.9
3-4	3.7
5-6	.0
7	.5
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	99.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.8	9.9	.0	.0	.0	.0	18.7	
1-2	11.0	29.7	6.6	.0	.0	.0	47.3	
3-4	.0	17.6	5.5	.0	.0	.0	23.1	
5-6	.0	2.2	2.2	.0	.0	.0	4.4	
7	.0	2.2	2.2	.0	.0	.0	4.4	
8-9	.0	.0	1.1	.0	.0	.0	1.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	1.1	.0	1.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.8	61.5	17.6	.0	1.1	.0	100.0	91

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.5	31.3	10.3	4.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	199	2
6-7	.3	3.4	6.3	2.6	2.6	1.7	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	5
8-9	.3	.6	2.8	1.7	.9	1.1	.6	.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	6
10-11	.0	.6	.9	.9	.3	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	6
12-13	.0	.0	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
>13	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	6	8
INDET	6.8	2.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	1
TOTAL	56	133	82	38	18	12	4	2	4	1	0	1	0	0	0	0	0	0	0	351	3
PCT	16.0	37.9	23.4	10.8	5.1	3.4	1.1	.6	1.1	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1880-1979

AREA 0004 MAZATLAN 22.5N 107.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
N	9.5	.0	6.9	.0	.0	.0	.0	12.9	.0	5.2	.0	.0	.0	.0	81.9
NE	11.9	.0	.0	.0	.0	.0	.0	11.9	.0	10.2	.0	.0	9.1	.0	70.5
E	17.5	5.8	3.3	.0	.0	.0	.0	26.7	8.9	.0	.0	.0	6.7	.0	58.3
SE	6.3	1.6	.7	.0	.0	.0	.0	8.6	2.9	11.2	.0	.0	2.6	.0	75.3
S	4.8	.0	3.0	.6	.0	.0	.0	7.8	4.5	12.6	.0	.0	1.2	.0	74.0
SW	2.5	.0	.0	.0	.0	.0	.0	2.5	3.1	6.3	2.5	.0	5.7	.0	79.9
W	.0	1.5	1.1	.0	.0	.0	.0	2.6	1.1	7.7	.0	.0	2.6	.0	86.1
NW	1.2	.0	.3	.0	.0	.0	.0	1.5	.0	8.0	.0	.0	.0	.0	91.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	.0	.0	3.9	.0	88.2
TOT PCT	4.2	.8	1.5	.0	.0	.0	.0	6.3	2.1	8.7	.2	.0	2.5	.0	80.5
TOT OBS:	473														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NO SIG WEA
00E03	.0	.9	.0	.0	.0	.0	.0	.9	2.7	.9	.0	.0	2.7	.0	92.9
04E09	5.7	1.6	1.6	.0	.0	.0	.0	8.9	1.6	17.9	.0	.0	3.3	.0	69.1
12E15	8.9	.9	2.7	.0	.0	.0	.0	11.6	2.7	16.1	.9	.0	.9	.0	68.8
16E21	2.3	.0	1.5	.0	.0	.0	.0	3.8	1.5	.8	.0	.0	3.0	.0	90.9
TOT PCT	4.2	.8	1.5	.0	.0	.0	.0	6.3	2.1	8.0	.2	.0	2.5	.0	80.6
TOT OBS:	479														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	3.6	.3	.1	.0	.1		6.2	7.4	3.0	.0	3.5	.0	9.8	.0	8.9	.0
NE	.1	1.9	.3	.2	*	*		2.5	9.5	.2	.0	.2	14.3	3.5	.0	4.9	.0
E	1.1	3.2	1.0	.6	.9	.1		6.5	13.0	4.6	.0	2.9	17.9	6.3	14.3	9.C	2C.0
SE	1.9	7.3	2.7	1.6	.8	.2		14.5	12.8	14.8	60.0	19.2	39.3	12.3	.0	12.6	15.0
S	3.1	7.0	4.7	1.8	.1	.0		17.6	10.5	17.8	10.0	21.7	28.6	12.9	21.4	16.8	45.0
SW	2.0	5.2	2.5	.C	.0	.0		9.6	7.9	11.1	.0	7.0	.0	10.7	7.1	10.9	.0
W	3.2	9.2	1.9	.C	.0	.0		14.3	6.6	24.8	10.0	19.2	.0	10.5	21.4	10.9	2C.0
NW	2.9	10.6	4.4	.9	.0	*		17.9	8.6	10.1	10.0	21.3	.0	10.1	35.7	16.7	.0
VAR	.0	.0	.0	.C	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.8							10.8	.0	5.6	10.0	13.1	.0	16.1	.0	10.3	.0
TOT OBS	155	285	105	24	6	3	585		8.5	108	10	122	7	112	7	214	5
TOT PCT	26.5	48.7	17.9	5.C	1.4	.5		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.7	2.1	.3	.0	.1		6.2	7.4	2.8	3.3	9.2	8.2
NE	1.4	.7	.3	.0	.1		2.5	9.5	.2	1.0	3.2	4.3
E	2.1	2.9	.8	.3	.4		6.5	13.0	4.2	3.7	6.7	9.2
SE	5.4	5.4	1.5	2.1	.2		14.5	12.8	10.6	16.5	11.6	12.7
S	7.3	6.5	3.2	.6	.0		17.6	10.5	17.2	22.1	13.4	17.5
SW	4.7	4.5	.4	.0	.0		9.6	7.9	10.2	6.6	1C.5	10.4
W	8.2	5.8	.3	.0	.0		14.3	6.6	23.5	14.3	11.1	11.1
NW	7.0	10.2	.6	.2	*		17.9	8.6	17.4	20.2	19.1	16.3
VAR	.0	.0	.0	.0	.C		.0	.0	.0	.0	.0	.C
CALM	10.8						10.8	.0	5.9	12.4	15.1	10.0
TOT OBS	295	224	43	10	5	585		8.5	118	129	139	219
TOT PCT	50.4	38.3	7.4	1.1	.9		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1950-1979

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22.5N 107.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0003	5.9	13.6	59.2	18.6	5.9	1.7	.0	9.4	100.0	118
0609	12.4	11.6	48.1	19.4	6.2	2.3	.0	8.8	100.0	129
1215	15.1	16.8	49.6	12.6	3.4	1.7	.8	7.6	100.0	119
1821	10.0	18.7	45.7	19.6	4.6	.5	.9	8.3	100.0	219
TOT	63	92	285	105	29	8	3	8.5		585
PCT	10.8	15.7	48.7	17.9	5.0	1.4	.5		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	2.2	1.6	1.7		4.5
NE	.5	.4	.9	.4		4.8
E	1.3	.4	2.4	1.0		5.4
SE	4.1	2.4	5.1	4.2		4.8
S	5.8	2.9	4.7	4.7		4.5
SW	3.5	1.6	2.9	.8		3.8
W	6.3	2.9	3.5	1.7		3.3
NW	6.9	5.4	4.2	.8		3.3
VAR	.0	.0	.0	.0		.0
CALM	5.8	2.2	3.2	.5		3.0
TOT OBS	145	84	117	66	412	4.0
TOT PCT	35.2	20.4	28.4	16.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NN >4/8) AND OCCURRENCE OF NN <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NN <5/8 ANY HGT	TOTAL OBS
N	.2	.0	.0	.7	.0	.8	.0	.2	.0	.0	4.1	
NE	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	1.5	
E	.0	.0	.0	1.3	.0	.5	.0	.0	.2	.0	4.0	
SE	.5	.0	1.3	1.4	1.1	.5	.4	.2	.0	.0	10.4	
S	.2	.2	.2	1.2	2.5	.9	.6	.0	.2	.0	12.0	
SW	.2	.0	.3	.7	.2	.3	.5	.0	.0	.0	6.4	
W	.0	.0	.4	.2	.6	.4	.4	.0	.2	.0	11.4	
NW	.0	.0	.0	.0	.8	1.3	.0	.5	.0	.0	14.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.0	.7	.2	.0	.2	.0	9.5	
TOT OBS	5	1	10	23	27	23	9	4	4	0	306	412
TOT PCT	1.2	.2	2.4	5.6	6.6	5.6	2.2	1.0	1.0	.0	74.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NN >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	.5	.7	1.0	1.0	1.0	1.0	1.0	1.0
= OR >5000	1.2	1.5	1.7	1.7	1.7	1.7	1.7	1.7
= OR >3500	3.4	3.6	3.9	3.9	3.9	3.9	3.9	3.9
= OR >2000	8.0	9.0	9.2	9.2	9.5	9.5	9.5	9.5
= OR >1000	12.6	15.3	15.8	15.8	16.0	16.0	16.0	16.0
= OR >600	15.5	19.9	21.4	21.4	21.6	21.6	21.6	21.6
= OR >300	16.5	21.4	23.1	23.1	23.3	23.3	23.3	23.3
= OR >150	16.7	21.6	23.3	23.3	23.5	23.5	23.5	23.5
= OR > 0	16.7	22.3	24.5	24.5	24.8	24.8	24.8	24.8
TOTAL	69	92	101	101	102	102	102	102

TOTAL NUMBER OF OBS: 412

PCT FREQ NN <5/8: 75.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
17.2	17.0	19.0	13.3	8.0	6.2	6.2	5.3	6.7	1.1	436

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1880-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NC PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NC PCP	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NC PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.2	.5	.2	.0	.0	.0	.0	.0	.9	
	NC PCP	.2	.1	.3	.8	.3	.2	.0	.1	.0	.2	2.4	
	TOT %	.2	.1	.5	1.3	.5	.2	.0	.1	.0	.2	3.2	
5<10	PCP	.2	.2	1.0	.2	.7	.2	.4	.3	.0	.0	3.2	
	NC PCP	.2	.0	.2	1.0	2.2	.9	.7	.7	.0	.6	6.4	
	TOT %	.4	.2	1.2	1.1	2.9	1.1	1.1	1.0	.0	.6	9.6	
10+	PCP	.6	.1	.5	.5	.5	.0	.0	.0	.0	.0	2.1	
	NC PCP	4.9	1.8	4.0	12.4	13.9	7.2	13.5	16.6	.0	10.0	84.4	
	TOT %	5.4	1.9	4.5	12.9	14.4	7.2	13.5	16.6	.0	10.0	86.5	
	TOT OBS												968
	TOT PCT	6.0	2.4	6.4	15.8	17.8	8.5	14.6	17.6	.0	10.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.0	.2	.0	.0	.0	.2	.0	.0	.0		.4	
	11-21	.0	.0	.2	.4	.3	.0	.0	.0	.0		.8	
	22+	.2	.1	.3	.9	.2	.0	.0	.1	.0		1.7	
	TOT %	.2	.3	.5	1.3	.5	.2	.0	.1	.0	.2	3.2	
5<10	0-3	.0	.0	.2	.1	.2	.0	.0	.2	.0	.6	1.3	
	4-10	.2	.0	.2	.7	.9	.4	.6	.5	.0		3.4	
	11-21	.0	.0	.4	.1	1.0	.7	.5	.3	.0		2.9	
	22+	.2	.2	.4	.5	.8	.0	.0	.0	.0		2.1	
	TOT %	.4	.2	1.2	1.3	2.9	1.1	1.1	.9	.0	.6	9.7	
10+	0-3	1.7	.1	.5	2.1	2.5	.9	2.7	2.0	.0	9.9	22.5	
	4-10	3.4	1.5	3.0	7.1	6.8	4.3	9.6	9.9	.0		45.6	
	11-21	.3	.2	.7	2.9	4.3	2.0	1.4	4.1	.0		16.0	
	22+	.0	.1	.6	.6	.8	.0	.0	.2	.0		2.3	
	TOT %	5.4	1.9	4.8	12.8	14.4	7.3	13.7	16.3	.0	9.9	86.3	
	TOT OBS												976
	TOT PCT	5.9	2.4	6.6	15.8	17.8	8.6	14.8	17.5	.0	10.7	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1880-1979

AREA 0004 MAZATLAN
22.5N 107.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 BY HGT	TOTAL OBS
00E03	.0	.0	2.8	4.7	4.7	6.6	3.8	.0	.0	.0	22.6	77.4	106
06E09	2.8	.9	3.7	3.7	8.3	4.6	.9	.9	.9	.0	26.9	73.1	108
12E15	1.1	.0	2.1	7.4	5.3	8.4	.0	.0	1.1	.0	25.3	74.7	95
18E21	.8	.0	.8	5.7	6.6	2.5	3.3	2.5	1.6	.0	23.8	76.2	122
TOT	5	1	10	23	27	23	9	4	4	0	106	324	431
PCT	1.2	.2	2.3	5.3	6.3	5.3	2.1	.9	.9	.0	24.6	75.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	.9	.9	.9	6.1	91.3	115
06E09	.8	.0	.0	.0	15.6	83.6	122
12E15	.0	.9	.0	5.4	16.1	77.7	112
18E21	.0	.0	.0	6.0	1.5	92.5	133
TOT	1	2	1	15	46	417	482
PCT	.2	.4	.2	3.1	9.5	86.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.0	2.6	7.8	14.6	77.7	103
06E09	3.0	6.5	10.9	16.8	72.3	101
12E15	1.1	3.4	14.8	14.8	70.5	88
18E21	.8	1.7	10.0	15.0	75.0	120
TOT	5	15	44	63	305	412
PCT	1.2	3.6	10.7	15.3	74.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.2	2.6	1.0	.2	.0	17	4.0
85/89	.0	.0	.0	.0	5.0	16.7	6.9	1.7	127	30.2
80/84	.0	.0	.0	.0	1.2	19.3	31.0	7.1	246	58.6
75/79	.0	.0	.0	.0	.0	1.2	1.7	3.6	27	6.4
70/74	.0	.0	.0	.0	.0	.0	.2	.5	3	.7
TOTAL	0	0	0	1	37	160	168	54	420	100.0
PCT	.0	.0	.0	.2	8.8	38.1	40.0	12.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.7	.0	.9	.6	.7	.5	.0	1.0	.0	.2
	1.9	1.0	1.8	3.6	5.2	3.3	4.3	5.3	.0	3.8
	3.7	1.9	3.3	10.3	10.6	9.5	8.8	10.4	.0	5.7
	.0	.1	1.3	1.0	1.5	.3	.8	.8	.0	.7
	.0	.0	.2	.1	.0	.0	.0	.0	.0	.5
	6.3	2.9	7.0	15.5	18.0	8.6	13.9	17.4	.0	11.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	92	91	90	85	79	77	75	84.5	119
06E09	100	89	85	83	79	76	73	82.6	130
12E15	88	86	85	82	78	75	74	81.7	120
18E21	95	93	91	85	79	75	75	85.2	216
TOT	100	92	89	84	79	75	73	83.7	585

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	.0	12.4	52.6	29.9	5.2	77	97
06E09	.0	.0	1.7	31.0	51.7	15.5	83	116
12E15	.0	.0	3.1	25.0	56.3	15.6	83	96
18E21	.0	.9	17.1	43.6	24.8	13.7	78	117
TOT	0	1	37	162	172	54	80	426

SEPTEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1960-1979

AREA 0004 MAZATLAN
22.5N 107.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
17/19	.0	.0	.0	.0	.2	.0	1	.0	.2
14/16	.0	.0	.0	.5	.2	.0	3	.0	.7
11/13	.0	.0	.5	.5	.0	.0	4	.0	.9
9/10	.0	.0	.0	.0	.5	.0	2	.0	.5
7/8	.0	.0	.2	.5	.5	.2	6	.0	1.4
6	.0	.0	.0	.9	.7	.0	7	.0	1.6
5	.0	.0	.7	1.4	1.2	.0	14	.0	3.3
4	.0	.0	.0	1.6	1.4	.0	13	.0	3.1
3	.0	.7	1.6	1.4	.0	.0	16	.0	3.8
2	.0	.0	1.2	2.6	.7	.0	19	.0	4.5
1	.5	.0	1.2	5.4	.2	.0	31	.0	7.3
0	.2	.5	6.8	2.8	.2	.0	45	.0	10.6
-1	.0	.2	5.9	2.1	.0	.0	35	.0	8.2
-2	.5	.9	8.7	3.5	.0	.0	58	.0	13.6
-3	.0	1.4	6.1	2.6	.0	.0	43	.2	9.9
-4	.0	.9	8.7	1.6	.0	.0	48	.0	11.3
-5	.0	1.4	4.5	1.2	.0	.0	30	.0	7.1
-6	.2	1.9	2.1	.2	.0	.0	19	.0	4.5
-7/-8	.2	1.6	3.3	.0	.0	.0	22	.0	5.2
-9/-10	.0	.5	.5	.0	.0	.0	4	.0	.9
-11/-13	.2	.9	.0	.0	.0	.0	5	.0	1.2
TOTAL	8	47	221	123	25	1	425	1	424
PCT	1.9	11.1	52.0	28.9	5.9	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	1.3	.0	.0	.0	.0	3.0
1-2	.7	3.0	.0	.0	.0	.0	3.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	4.3	.0	.0	.0	.0	6.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.2	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	.0	.0	.2	.0	.0	2.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.7	.0	.0	.0	.0	2.6
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.7	.7	.0	1.3	
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.7	.0	.7
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	1.7	.7	.7	.7	.0	4.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.9	.0	.0	.0	.0	2.0
1-2	.0	3.0	.0	.0	.0	.0	3.0
3-4	.0	2.0	.2	.0	.0	.0	2.2
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	1.1	.2	.0	.0	1.3
8-9	.0	.0	.0	1.1	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	5.9	2.2	1.3	.0	.0	10.4

PERIOD: (OVER-ALL) 1963-1979

SEPTEMBER

AREA 00S4 PACIFIC 22.5N 167.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.9	.0	.0	.0	.6	1.5
1-2	1.7	8.3	.9	.0	.0	.0	10.9
3-4	.0	1.5	1.5	.0	.0	.0	3.0
5-6	.0	.0	2.4	.9	.0	.0	3.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.5	.0	.0	1.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	10.7	4.8	2.4	.0	.0	20.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.0	1.7	.0	.0	.0	1.7
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.8	2.8	.0	.0	.0	5.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.5	4.1	.9	.0	.0	.0	6.5
1-2	3.5	2.4	.9	.0	.0	.0	6.7
3-4	.9	.9	.7	.0	.0	.0	2.4
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.9	7.3	3.3	.0	.0	.0	16.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	1.1	.9	.0	.0	.0	3.0
1-2	.2	4.6	.9	.0	.0	.0	5.7
3-4	.0	1.7	2.0	.0	.0	.0	3.7
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	7.4	5.4	.0	.0	.0	14.1

HGT	TOTAL PCT
<1	1.7
1-2	1.1
3-4	1.7
5-6	.2
7	.9
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	5.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	27.9	12.8	1.7	.0	.0	.0	41.9	
1-2	6.0	23.1	2.6	.0	.0	.0	31.6	
3-4	.9	6.0	6.0	.0	.0	.0	12.8	
5-6	.0	.0	5.1	.9	.0	.0	6.0	
7	.0	.0	3.4	.9	.0	.0	4.3	
8-9	.0	.0	.0	2.6	.0	.0	2.6	
10-11	.0	.0	.0	.0	.9	.0	.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	34.2	41.9	18.8	4.3	.9	.0	100.0	117

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	5.7	20.9	13.9	5.2	3.1	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	3
6-7	.3	3.4	5.7	4.6	1.8	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	4
8-9	.3	1.0	1.3	.8	1.3	3.6	1.3	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	7
10-11	.0	.8	.3	.0	.0	.3	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
12-13	.0	.0	.8	.0	.3	.3	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	7	8
>13	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	11.9	3.1	.5	1.0	.0	.5	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	1
TOTAL	70	113	87	45	29	26	7	3	7	0	1	0	0	0	0	0	0	0	0	388	?
PCT	18.0	29.1	22.4	11.6	7.5	6.7	1.8	.8	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1880-1979

AREA 0004 MAZATLAN
22.6N 107.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0		.0	98.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	.0	.0	.0		.0	91.8
E	4.2	.0	.0	.0	.0	.0	.0	4.2	12.6	8.4	.0	.0	4.2		.0	70.5
SE	.0	5.0	5.0	.0	.0	.0	.0	9.9	.0	.0	.0	.0	2.5		.0	87.0
S	.0	2.3	.0	.0	.0	.0	.0	2.3	2.3	6.0	.0	.0	2.3		.0	85.2
SW	4.4	.0	3.0	.0	.0	.0	.0	7.4	3.0	9.6	.0	.0	3.0		.0	77.0
W	2.2	.0	1.4	.0	.0	.0	.0	3.6	.0	2.9	1.4	.0	2.9		.0	89.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3		.0	96.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0		.0	97.8
TOT PCT	.8	.6	.8	.0	.0	.0	.0	2.2	1.0	3.0	.4	.0	2.0		.0	91.3
TOT OBS:	497															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
0003	.9	.9	.9	.0	.0	.0	.0	2.6	.9	.9	.0	.0	3.4		.0	92.3
0609	1.3	.7	.7	.0	.0	.0	.0	2.6	2.6	5.3	.7	.0	.7		.0	88.1
1215	.0	.4	.8	.0	.0	.0	.0	1.5	.8	4.5	.8	.0	.0		.0	92.4
1821	.8	.0	.8	.0	.0	.0	.0	1.7	.4	.0	.0	.0	4.1		.0	93.4
TOT PCT	.8	.6	.8	.0	.0	.0	.0	2.1	1.3	2.9	.4	.0	1.9		.0	91.4
TOT OBS:	521															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.8	9.5	4.4	.2	.0	.0		16.0	8.6	13.6	7.5	12.0	18.8	19.0	10.0	17.9	14.3
NE	1.3	2.6	1.2	.2	.0	.0		5.2	7.8	2.3	.0	4.3	15.6	3.0	.0	0.0	.0
E	.8	2.5	.7	.3	.2	.2		4.6	10.1	0.4	.0	4.1	.0	6.2	.0	4.7	.0
SE	2.1	4.6	1.6	.2	.0	.0		8.5	7.6	9.3	10.0	5.0	25.0	7.6	.0	9.8	14.3
S	1.2	5.9	1.4	.0	.0	.0		8.4	7.5	10.3	20.0	10.4	.0	5.4	.0	0.0	14.3
SW	1.7	4.2	1.1	.4	.2	.0		7.3	7.4	8.4	20.0	10.7	.0	3.6	.0	6.4	14.3
W	2.2	8.2	1.6	.1	.0	.0		12.1	7.4	12.6	17.5	12.8	25.0	17.2	0.0	0.0	10.7
NW	3.6	18.7	7.1	.2	.0	.0		29.0	8.3	27.8	15.0	31.1	15.6	33.2	50.0	26.9	32.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.0							9.0	.0	11.2	10.0	9.6	.0	4.8	.0	10.3	.0
TOT OBS	156	766	325	8	2	1	658		7.4	107	10	135	8	125	5	261	7
TOT PCT	23.7	55.6	19.0	1.2	.3	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	6.6	8.2	1.0	.2	.0		16.0	8.6	13.0	12.6	18.7	17.8	
NE	2.9	2.0	.1	.2	.0		5.2	7.8	2.1	4.9	2.9	7.7	
E	2.4	1.6	.4	.2	.2		4.6	10.1	0.1	3.8	0.0	4.6	
SE	4.5	3.5	.4	.2	.0		8.5	7.6	9.4	6.1	7.3	9.9	
S	4.3	3.6	.6	.0	.0		8.4	7.5	11.1	9.8	5.2	8.1	
SW	4.6	2.5	.0	*	.2		7.3	7.4	9.4	10.1	3.5	6.6	
W	6.3	5.3	.4	.1	.0		12.1	7.4	13.0	13.5	10.1	8.1	
NW	13.0	14.3	1.7	.0	.0		29.0	8.3	26.7	30.2	33.8	27.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	9.0						9.0	.0	11.1	9.1	4.6	10.1	
TOT OBS	352	269	30	5	2	658		7.4	117	143	130	268	
TOT PCT	53.5	40.9	4.6	.8	.3		100.0		100.0	100.0	100.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1949-1979
(OVER-ALL) 1948-1979

AREA 0006 KAZAILAK
22.6N 107.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00L03	11.1	9.4	55.6	22.2	.9	.0	.9	8.0	100.0	117
06L09	9.1	12.6	56.6	20.3	.7	.7	.0	7.5	100.0	143
12L15	4.6	11.5	57.7	24.6	.8	.8	.0	8.2	100.0	130
18L21	10.1	19.8	54.1	14.2	1.9	.0	.0	6.5	100.0	268
TOT	59	97	366	125	8	2	1	7.4		658
PCT	9.0	14.7	55.6	19.0	1.2	.3	.2		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	7.9	5.6	2.5	1.6		2.9
NE	2.7	1.5	.7	.1		2.4
E	.7	1.4	1.8	1.1		4.2
SE	1.1	1.4	2.1	1.4		4.1
S	3.5	1.9	2.9	1.1		3.8
SW	2.1	1.2	2.1	1.2		4.2
W	8.3	2.0	1.1	1.1		2.4
NW	18.7	5.5	4.5	.8		2.3
VAR	.0	.0	.0	.0		.0
CALM	6.2	1.2	1.0	.0		1.6
TOT OBS	223	83	78	36	420	2.9
TOT PCT	53.1	19.8	18.6	8.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >H/B) AND OCCURRENCE OF MM <S/B BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2999	3000 4999	5000 6999	7000+	MM <S/B ANY HGT	TOTAL OBS
N	.0	.0	.0	.5	1.5	.7	.0	.0	.0	12.6	
NE	.0	.0	.0	.2	.1	.0	.0	.0	.0	4.7	
E	.0	.0	.2	.2	1.0	.0	.0	.0	.0	3.2	
SE	.0	.0	.2	.7	.6	.6	.2	.2	.2	4.9	
S	.2	.0	.2	.5	.8	.4	.2	.0	.0	3.3	
SW	.0	.0	.2	.0	1.0	1.0	.2	.0	.0	3.8	
W	.0	.2	.2	.2	.2	.0	.0	.0	.0	11.5	
NW	.0	.0	.0	.7	1.0	1.5	.2	.0	.0	.2	24.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.5	.2	.0	.0	.0	.0	7.6
TOT OBS	1	1	5	19	32	19	4	1	0	2	962
TOT PCT	.2	.2	1.2	3.1	7.6	4.5	1.0	.2	.0	.5	81.4

420
100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >H/B) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SOVC	: OR >0
: OR >6500	.2	.5	.5	.5	.5	.5	.5	.5
: OR >5000	.5	.7	.7	.7	.7	.7	.7	.7
: OR >3500	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6
: OR >2000	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
: OR >1000	12.8	13.8	14.0	14.0	14.0	14.0	14.0	14.0
: OR >600	15.1	16.3	16.7	16.7	16.7	16.7	16.7	16.7
: OR >300	15.8	17.0	17.7	17.9	17.9	17.9	17.9	17.9
: OR >150	15.8	17.2	17.9	18.1	18.1	18.1	18.1	18.1
: OR > 0	16.1	17.4	18.1	18.3	18.3	18.3	18.3	18.3
TOTAL	70	76	79	80	80	80	80	80

TOTAL NUMBER OF OBS: 436

PCT FREQ MM <H/B: 81.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
25.9	19.6	15.3	11.9	7.5	5.0	4.7	5.0	4.2	.0	464

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1880-1979

AREA NODN MAZATLAN
22.6N 107.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
2<5	PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.2	.0	.6	.0	.0	.0	.0	.8	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.5	.3	.8	.8	.4	.4	1.0	.7	.0	.6	5.6	
	TOT %	.5	.3	.8	.8	.4	.4	1.0	.7	.0	.6	5.6	
10+	PCP	.0	.0	.0	.8	.2	.1	.5	.0	.0	.0	1.6	
	NO PCP	14.1	4.8	3.9	6.2	7.8	5.6	12.7	28.0	.0	8.6	91.8	
	TOT %	14.1	4.8	3.9	7.0	8.0	5.7	13.2	28.0	.0	8.6	93.4	
	TOT OBS												486
	TOT PCT	14.7	5.0	4.9	8.1	8.4	6.7	14.1	28.8	.0	9.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	TOT %	.0	.0	.0	.2	.0	.6	.0	.0	.0	.0	.8	
5<10	0-3	.0	.0	.2	.4	.0	.0	.4	.1	.0	.6	1.6	
	4-10	.5	.3	.0	.4	.2	.4	.6	.5	.0		2.8	
	11-21	.0	.0	.4	.0	.2	.0	.0	.2	.0		.8	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.5	.3	.8	.8	.4	.4	1.0	.7	.0	.6	5.5	
10+	0-3	1.6	1.1	.4	1.5	.7	1.0	1.9	3.0	.0	8.5	19.6	
	4-10	8.2	2.4	2.7	3.7	6.1	3.4	8.9	17.9	.0		53.3	
	11-21	4.4	1.3	.6	1.9	1.3	1.2	1.9	7.3	.0		19.8	
	22+	.4	.0	.2	.1	.0	.1	.2	.1	.0		.8	
	TOT %	14.6	4.7	3.8	7.1	8.1	5.6	12.9	28.2	.0	8.5	93.5	
	TOT OBS												495
	TOT PCT	15.1	4.9	4.8	8.1	8.5	6.6	13.9	28.9	.0	9.1	100.0	

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PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1880-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 199	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.0	.0	.9	1.9	2.8	5.7	2.8	.0	.0	.0	14.2	85.8	106
06E09	.8	.0	1.6	.8	11.2	1.6	.0	.0	.0	.0	16.0	84.0	125
12E15	.0	.9	1.8	2.7	8.9	5.4	.0	.0	.0	.9	20.5	79.5	112
18E21	.0	.0	.0	6.3	8.9	4.5	.9	.9	.0	.9	22.3	77.7	112
TOT	1	1	5	13	37	19	4	1	0	2	83	372	455
PCT	.2	.2	1.1	2.9	8.1	4.2	.9	.2	.0	.4	18.2	81.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	.0	.8	.8	3.4	94.9	118
06E09	.0	.0	.0	.7	8.2	91.2	147
12E15	.0	.0	.0	.0	6.1	93.9	132
18E21	.0	.0	.0	1.6	4.1	94.3	122
TOT	0	0	1	4	29	485	519
PCT	.0	.0	.2	.8	5.6	93.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <5DYD	<600 <1	<1000 <5	1000+ AND/O	NM <5/8 AND	TOTAL OBS
00E03	.0	1.0	3.9	11.7	84.5	103
06E09	.8	2.5	3.3	13.2	83.5	121
12E15	.0	2.6	5.8	15.5	78.6	103
18E21	.0	.0	6.4	14.7	78.9	109
TOT	1	7	21	60	345	436
PCT	.2	1.6	4.8	13.8	81.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.2	.5	.0	.0	.0	3	.7
90/94	.0	.0	.0	.2	.7	.5	.5	.0	8	1.9
85/89	.0	.0	.2	1.4	4.1	6.7	2.2	.2	70	16.9
80/84	.0	.0	.2	1.0	6.7	28.4	20.7	4.1	254	61.2
75/79	.0	.0	.0	.2	1.9	7.7	6.3	1.7	74	17.8
70/74	.0	.0	.0	.0	.2	.5	.0	.7	6	1.4
TOTAL	0	0	2	13	59	190	123	28	415	100.0
PCT	.0	.0	.5	3.1	14.2	45.8	29.6	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	.0	.2	.5	.0	.0
	.2	.0	.0	.2	.2	.0	.2	.5	.0	.5
	3.0	1.4	.5	1.0	2.2	1.4	2.5	2.9	.0	1.9
	8.4	3.0	3.2	6.0	6.9	3.9	6.9	18.7	.0	4.3
	3.6	.7	1.1	1.4	.8	1.9	2.2	4.8	.0	1.2
	.4	.0	.0	.0	.0	.1	.2	.8	.0	.0
	15.6	5.2	4.8	8.6	10.1	7.3	12.2	28.3	.0	8.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	97	96	92	83	78	78	77	83.4	118
06E09	98	88	85	81	77	74	73	81.2	153
12E15	86	85	84	80	76	74	73	80.1	136
18E21	95	94	90	84	79	77	75	84.3	265
TOT	98	95	88	82	77	74	73	82.6	672

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	PEAK	TOTAL OBS
00E03	.0	5.2	25.8	40.2	26.8	2.1	74	97
06E09	.0	.8	5.4	45.4	38.5	10.0	79	130
12E15	.0	1.9	7.5	49.5	32.7	8.4	79	107
18E21	.0	6.7	20.2	49.0	18.3	5.8	74	104
TOT	0	15	61	202	130	30	77	438

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	%O FOG
11/13	.0	.0	.2	.2	.0	.0	2	.0	.5
9/10	.0	.0	.0	.2	.5	.2	4	.0	.9
7/8	.0	.0	.5	.0	.0	.7	5	.0	1.1
6	.0	.0	.5	.0	.0	.0	2	.0	.5
5	.0	.2	.7	1.4	.5	.0	12	.0	2.7
4	.0	.2	.7	1.4	.0	.0	10	.0	2.3
3	.0	.2	.2	1.6	.7	.0	12	.0	2.7
2	.0	.2	2.3	2.7	.9	.0	27	.0	6.1
1	.0	.2	3.2	2.0	.2	.0	25	.0	5.6
0	.2	.9	5.0	2.5	.0	.2	39	.0	8.8
-1	.2	2.0	6.5	.7	.0	.0	42	.2	9.3
-2	.0	3.6	6.8	1.4	.0	.0	52	.0	11.7
-3	.0	1.8	6.5	.5	.0	.0	39	.0	8.8
-4	.2	3.6	6.5	.2	.0	.0	47	.0	10.6
-5	.0	5.0	6.3	.2	.0	.0	51	.0	11.5
-6	.7	4.1	2.9	.2	.0	.0	35	.0	7.9
-7/-8	.9	3.2	1.8	.0	.0	.0	26	.0	5.9
-9/-10	.5	1.1	.0	.0	.0	.0	7	.0	1.6
-11/-13	.9	.5	.0	.0	.0	.0	6	.0	1.4
TOTAL	16		224		12			1	442
		119		67		5	443		
PCT	3.6	26.9	50.6	15.1	2.7	1.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5
1-2	1.3	4.5	.9	.0	.0	.0	6.6
3-4	.0	.9	1.3	.0	.0	.0	2.1
5-6	.0	.4	1.3	.0	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	7.5	3.4	.0	.0	.0	12.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9
1-2	.0	4.3	.2	.0	.0	.0	4.5
3-4	.0	.9	1.9	.0	.0	.0	2.8
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.0	2.4	.0	.0	.0	8.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.9	1.7	.6	.0	.0	.0	3.2
3-4	.0	.9	.0	.0	.0	.0	.9
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.2	2.4	.0	.0	.0	6.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	1.3	.2	.0	.0	.0	1.5
3-4	.0	.2	.9	.0	.0	.0	1.1
5-6	.0	.0	1.7	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	2.8	.0	.0	.0	4.7

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

AREA CODE MAZATLAN 22.6N 107.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.0	.0	.0	.0	.0	3.0
1-2	.0	3.0	.4	.0	.0	.0	3.6
3-4	.0	.6	1.7	.0	.0	.0	2.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	2.4	.0	.0	.0	9.0

5k

1-3	4-10	11-21	22-33	34-47	48+	PCT
2.1	1.3	.0	.0	.0	.0	3.4
.0	5.1	1.7	.0	.0	.0	6.8
.0	.9	.0	.0	.0	.0	.9
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0
2.1	7.3	1.7	.0	.0	.0	11.1

6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	3.8	.0	.0	.0	.0	5.1
1-2	1.5	9.0	.0	.0	.0	.0	10.5
3-4	.0	.0	.9	.0	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	12.8	.9	.0	.0	.0	16.5

6k

1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
.0	5.6	.0	.0	.0	.0	5.6	
3.2	4.5	.0	.0	.0	.0	7.7	
.0	1.7	2.8	.0	.0	.0	4.5	
.0	1.1	1.9	.0	.0	.0	3.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
3.2	12.8	4.7	.0	.0	.0	20.7	89.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.9	16.5	.6	.0	.0	.0	31.9	
1-2	8.3	32.2	4.1	.0	.0	.0	44.6	
3-4	.6	5.8	9.1	.0	.0	.0	15.9	
5-6	.0	1.7	5.8	.0	.0	.0	7.4	
7	.0	.0	.8	.0	.0	.0	.8	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								121
TOT PCT	23.1	56.2	19.8	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	6.5	17.3	18.9	6.5	2.1	.3	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	202	3
6-7	.3	7.0	5.2	4.4	2.1	1.6	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	84	4
8-9	.0	1.3	2.3	.8	.8	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5
10-11	.0	.8	1.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
12-13	.0	.0	.6	.0	.3	.0	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	5	10
>13	.0	.0	.0	.0	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
INDET	11.9	1.3	.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	1
TOTAL	72	110	110	52	23	9	5	1	2	1	1	1	0	0	0	0	0	0	0	387	3
PCT	18.6	28.4	28.4	13.4	5.9	2.3	1.3	.3	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1869-1979

AREA CODE MAZATLAN
22.6N 107.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG	SPRAY BLWG SNOW	NO SIG WEA
N	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	.7	.C	.0	1.2	.C		96.7
NE	.0	.C	.C	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C		100.0
E	.0	.C	.0	.0	.0	.0	.0	.0	3.3	.0	3.3	.0	2.5	.0		90.8
SE	.0	.0	.C	.0	.0	.0	.0	.C	9.5	.0	.0	.0	4.8	.C		85.7
S	.0	.C	.0	.0	.0	.0	.0	.C	.0	.0	.0	.0	4.7	.0		95.3
SW	.0	.0	.0	.0	.0	.0	.0	.C	4.9	.0	.0	.0	.0	.C		95.1
W	.0	.C	.0	.C	.0	.0	.0	.C	.C	2.6	.0	.C	.0	.C		97.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.C	.C	.2	.0		99.1
VAR	.0	.0	.C	.C	.0	.0	.0	.C	.C	.0	.C	.0	.0	.0		.C
CALM	.0	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	.0	.0	.4	.C	.0	.0	.0	.4	.8	.4	.2	.0	.8	.0		97.3
TOT OBS:	486															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG	SPRAY BLWG SNOW	NO SIG WEA
00E03	.0	.9	.0	.0	.0	.0	.0	.9	1.8	.0	.C	.0	2.7	.0		94.6
06E09	.0	.0	.7	.C	.0	.0	.0	.7	.7	1.4	.0	.0	.0	.0		97.2
12E15	.0	.0	.7	.C	.0	.0	.0	.7	.7	.0	.C	.0	1.5	.0		97.1
18E21	.0	.0	.0	.0	.0	.0	.0	.0	.C	.C	.9	.0	.0	.0		99.1
TOT PCT	.0	.2	.4	.0	.0	.0	.0	.6	.8	.4	.2	.0	1.0	.0		97.0
TOT OBS:	498															

TABLE 7

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.2	13.6	13.3	1.4	.1	.2		30.7	11.4	29.1	45.8	29.1	20.0	32.3	.0	32.4	30.0
NE	1.4	5.3	2.4	.2	.0	.0		9.2	8.5	8.5	.0	6.2	.0	8.3	16.7	13.0	.0
E	1.2	4.3	.6	.0	.0	.0		6.1	6.7	6.7	.0	2.8	.0	8.3	.0	7.2	.0
SE	.9	1.7	.2	.C	.0	.0		2.8	5.5	2.3	.0	.9	.0	3.7	.0	4.5	.0
S	.8	1.9	.5	.0	.0	.C		3.3	6.9	4.4	.0	4.4	.0	3.4	.0	2.1	.0
SW	.6	3.2	.5	.C	.0	.0		4.3	6.8	5.3	.0	3.5	.0	6.0	.0	3.5	.0
W	1.4	4.9	.6	.C	.0	.0		6.8	6.3	10.8	16.7	9.2	10.0	4.7	25.0	3.4	10.0
NW	3.9	14.5	10.C	.6	.1	.0		29.0	9.3	24.8	20.8	38.1	70.0	27.1	41.7	29.1	60.0
VAR	.0	.0	.0	.C	.0	.0		.0	.C	.0	.0	.C	.0	.0	.0	.C	.0
CALM	7.8							7.8	.0	8.3	16.7	5.7	.0	6.8	16.7	9.6	.0
TOT OBS	121	298	169	13	1	1	603		8.5	109	6	141	5	133	6	198	5
TOT PCT	20.1	49.4	28.C	2.2	.2	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 7A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	8.5	16.5	5.3	.2	.2		30.7	11.4	30.0	28.8	30.9	32.4
NE	4.0	4.5	.7	.0	.0		9.2	8.5	8.0	6.0	8.6	12.7
E	3.4	2.7	.0	.0	.0		6.1	6.7	6.3	2.7	7.9	7.0
SE	2.1	.7	.0	.0	.0		2.8	5.5	2.2	.9	3.1	4.4
S	1.7	1.6	.C	.0	.0		3.3	6.9	4.1	4.3	3.2	2.1
SW	2.4	1.7	.2	.0	.C		4.3	6.8	5.0	3.4	5.8	3.4
W	4.2	2.4	.2	.0	.0		6.8	6.3	11.1	9.2	5.6	3.6
NW	11.6	14.1	3.0	.3	.0		29.0	9.3	24.6	39.2	27.7	25.0
VAR	.0	.0	.0	.0	.C		.0	.0	.0	.0	.C	.C
CALM	7.8						7.8	.0	8.7	5.5	7.2	9.4
TOT OBS	275	267	57	3	1	603		8.5	115	146	139	203
TOT PCT	45.6	44.3	9.5	.5	.2		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1939-1979 AREA 0004 MAZATLAN
(OVER-ALL) 1469-1979 TABLE 4 22.6N 107.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00E03	8.7	12.2	43.5	33.9	1.7	.0	.0	6.6	100.0	115
06E09	5.5	9.6	50.1	28.1	2.7	.0	.0	6.8	100.0	146
12E15	7.2	12.2	55.4	23.0	1.4	.0	.7	8.3	100.0	139
18E21	9.4	14.3	45.3	28.1	2.5	.5	.0	8.2	100.0	207
TOT	47	74	298	169	13	1	1	8.5		607
PCT	7.8	12.3	49.4	28.0	2.2	.2	.2		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	17.1	7.6	4.8	1.3		2.4
NE	5.2	1.7	2.0	.2		2.5
E	3.0	1.7	1.5	.2		3.0
SE	.7	1.0	.4	.5		3.8
S	1.7	.8	1.0	.0		3.2
SW	2.3	1.2	.5	.2		2.7
W	3.5	1.7	1.3	.0		2.4
NW	10.1	5.0	4.9	1.1		2.2
VAR	.0	.0	.0	.0		.0
CALM	5.0	1.0	1.7	.2		2.4
TOT OBS	238	91	76	16	421	2.5
TOT PCT	56.5	21.6	18.1	3.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,WW >4/8) AND OCCURRENCE OF WW <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	WW <5/8 ANY HGT	TOTAL OBS
N	.2	.0	.0	.6	.7	.5	1.1	.0	.0	.0	20.0	
NE	.0	.0	.0	.2	.2	.0	.7	.2	.0	.0	7.8	
E	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	5.7	
SE	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	2.0	
S	.0	.0	.0	.0	.5	.0	.2	.0	.0	.0	2.8	
SW	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	3.7	
W	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	6.2	
NW	.1	.2	.2	.5	.5	1.4	.4	.2	.0	.0	25.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.0	.2	.0	.0	.0	.0	6.7	
TOT OBS	1	1	2	6	17	9	10	3	0	0	372	421
TOT PCT	.2	.2	.5	1.4	4.0	2.1	2.4	.7	.0	.0	88.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (WW >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SCYD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.7	.7	.7	.7	.7	.7	.	.7
= OR >3500	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
= OR >2000	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4
= OR >1000	8.9	9.3	9.6	9.6	9.6	9.6	9.6	9.6
= OR >600	10.5	11.0	11.2	11.2	11.2	11.2	11.2	11.2
= OR >300	11.0	11.4	11.7	11.7	11.7	11.7	11.7	11.7
= OR >150	11.0	11.7	11.9	11.9	11.9	11.9	11.9	11.9
= OR > 0	11.2	11.9	12.1	12.1	12.1	12.1	12.1	12.1
TOTAL	48	51	52	52	52	52	52	52

TOTAL NUMBER OF OBS: 429 PCT FREQ WW <5/8: 87.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
37.4	17.1	13.8	13.8	5.6	3.3	3.6	3.1	2.0	.2	449

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1969-1974

AREA 0004 MAZATLAN
22.6N 107.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.3	.4	.4	.3	.0	.2	.4	1.9	.0	.2	3.7	
	TOT %	.3	.4	.4	.3	.0	.2	.4	1.9	.0	.2	3.7	
10+	PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	28.6	8.6	5.8	1.9	2.9	4.0	7.5	27.0	.0	8.3	95.5	
	TOT %	29.0	8.6	5.8	1.9	2.9	4.0	7.5	27.0	.0	8.3	95.9	
	TOT OBS												484
	TOT PCT	29.2	9.0	6.2	2.2	3.3	4.2	7.9	29.3	.0	8.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.1	.2	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
5<10	0-3	.2	.0	.2	.1	.0	.0	.0	.4	.0	.2	1.0	
	4-10	.0	.4	.2	.2	.0	.0	.4	.8	.0		2.0	
	11-21	.1	.0	.0	.0	.0	.2	.0	.1	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	TOT %	.3	.4	.4	.3	.0	.2	.4	1.5	.0	.2	3.7	
10+	0-3	2.1	.9	.6	.5	.4	.4	1.5	3.3	.0	0.4	17.9	
	4-10	13.1	5.0	4.4	1.2	2.0	3.2	5.5	14.5	.0		48.9	
	11-21	12.6	2.4	.8	.2	.6	.4	.4	9.7	.0		27.3	
	22+	1.3	.2	.0	.0	.0	.0	.0	.4	.0		1.8	
	TOT %	29.3	8.5	5.8	1.8	3.1	4.0	7.4	27.7	.0	8.4	95.9	
	TOT OBS												491
	TOT PCT	29.6	8.9	6.1	2.1	3.4	4.2	7.8	29.3	.0	8.8	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1969-1979

AREA 0000 MAZATLAN
22.6N 107.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,WH 70/81) AND OCCURRENCE OF WH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	WH <5/8 ANY HGT	TOTAL OBS
0000-03	.0	1.0	2.0	1.0	2.0	3.0	3.0	2.0	.0	.0	14.0	86.0	100
0600-09	.0	.0	.0	2.3	3.8	2.3	.0	.0	.0	.0	8.4	91.6	131
1200-15	.8	.0	.0	1.6	2.5	2.5	1.6	.0	.0	.0	9.0	91.0	122
1800-21	.0	.0	.0	1.1	8.6	1.1	5.4	1.1	.0	.0	17.2	82.8	93
TOT	1	1	2	7	18	10	10	3	0	0	52	396	446
PCT	.2	.2	.4	1.6	4.0	2.2	2.2	.7	.0	.0	11.7	88.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000-03	.0	.0	.0	.0	4.4	95.6	113
0600-09	.0	.0	.0	.7	2.7	96.6	147
1200-15	.0	.0	.7	.0	2.9	96.4	138
1800-21	.0	.0	.0	.0	4.8	95.2	105
TOT	0	0	1	1	18	483	503
PCT	.0	.0	.2	.2	3.6	96.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,WH 70/81),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	WH <5/8 AND 5+	TOTAL OBS
0000-03	.0	3.2	4.2	10.5	85.3	95
0600-09	.0	.0	3.1	5.4	91.5	129
1200-15	.9	.9	3.5	7.0	89.6	115
1800-21	.0	.0	1.1	16.7	82.2	90
TOT	1	4	13	40	376	429
PCT	.2	.9	3.0	9.3	87.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.8	.0	.0	.0	3	.8
85/89	.0	.0	.1	1.0	1.8	1.0	.3	.0	17	4.3
80/84	.0	.0	.0	.8	16.3	10.0	3.8	1.0	127	31.8
75/79	.0	.0	1.0	3.0	8.3	21.6	12.8	4.0	202	50.6
70/74	.0	.0	.5	1.0	2.3	4.0	3.8	.3	47	11.8
65/69	.0	.0	.0	.0	.8	.0	.0	.0	3	.8
TOTAL	0	0	7	23	120	146	82	21	399	100.0
PCT	.0	.0	1.8	5.8	30.1	36.6	20.6	5.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.4	.0	.0	.0	.3	.0	.0	.1	.0	.0
	.9	.6	.9	.0	.2	.6	.3	.1	.0	.8
	9.9	2.6	1.4	.3	1.2	1.4	2.3	9.5	.0	3.3
	14.8	3.7	3.0	1.3	1.4	2.0	3.8	17.1	.0	3.5
	3.6	1.3	.2	.1	.2	.4	1.3	3.8	.0	1.0
	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0
TOTAL										
PCT	30.0	8.2	5.5	1.6	3.3	4.4	7.6	30.8	.0	8.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000-03	96	91	87	80	75	69	69	80.1	114
0600-09	86	82	81	77	72	71	70	76.9	149
1200-15	82	81	81	77	70	66	66	76.7	142
1800-21	90	88	86	80	73	70	67	79.8	196
TOT	96	88	85	78	72	69	66	78.4	601

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000-03	.0	9.4	40.6	30.2	13.5	6.3	72	96
0600-09	.0	5.6	14.3	42.9	33.3	4.0	76	126
1200-15	.0	4.0	19.2	46.5	21.2	9.1	76	99
1800-21	.0	11.4	51.1	23.9	9.1	4.5	70	88
TOT	0	30	121	150	84	24	74	409

PERIOD: (PRIMARY) 1939-1979
(OVER-ALL) 1869-1979

AREA 0004 MAZATLAN
22.6N 107.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	85	89	>92	TOT	%	NO
TMP DIF	68	72	76	80	84	88	92			FOG	FOG
11/12	.0	.0	.0	.0	.0	.0	.2	.2	2	.0	.9
9/10	.0	.0	.0	.2	.0	.0	.0	.0	1	.0	.2
7/8	.0	.0	.4	.0	.4	.2	.4	.0	7	.0	1.6
6	.0	.0	.0	.2	.7	.2	.2	.0	6	.0	1.3
5	.0	.0	.0	.7	.0	.4	.0	.0	5	.0	1.1
4	.0	.0	.2	.9	.4	.2	.0	.0	8	.0	1.8
3	.0	.0	.0	.4	.7	1.1	.0	.0	10	.0	2.2
2	.0	.2	.0	.9	1.3	.4	.0	.0	13	.0	2.9
1	.0	.0	.2	1.1	1.8	.7	.0	.0	17	.0	3.8
0	.0	.0	.7	1.8	5.3	.2	.0	.0	36	.0	8.0
-1	.0	.0	.9	3.5	3.1	.0	.0	.0	34	.0	7.5
-2	.0	.4	2.2	6.2	4.7	.0	.0	.0	61	.0	13.5
-3	.0	.2	1.8	6.2	1.1	.2	.0	.0	43	.0	9.5
-4	.0	.0	3.1	6.7	.9	.0	.0	.0	48	.0	10.6
-5	.0	.0	4.0	9.8	.7	.0	.0	.0	65	.2	14.2
-6	.0	.2	3.1	3.8	.2	.0	.0	.0	34	.0	7.5
-7/-8	.0	2.2	3.5	1.6	.0	.0	.0	.0	33	.0	7.3
-9/-10	.0	.7	1.8	.9	.0	.0	.0	.0	15	.0	3.3
-11/-13	.0	1.1	1.1	.4	.0	.0	.0	.0	12	.0	2.7
-14/-16	.2	.0	.0	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	1		105		96		4			1	450
		23		204		17		1	451		
PCT	.2	5.1	23.3	45.2	21.3	3.8	.9	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.5	3.4	.0	.0	.0	.0	4.9
1-2	3.9	8.5	2.7	.0	.0	.0	13.1
3-4	.8	2.7	3.8	.0	.0	.0	7.2
5-6	.0	.8	6.8	.4	.0	.0	8.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.4	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.2	15.8	13.2	.4	.0	.0	33.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.7	.8	.0	.0	.0	3.2
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	.8	.9	.0	.0	.0	1.5
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.8	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	5.1	2.5	.8	.0	.0	9.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	.4	.8	.4	.0	.0	.0	2.1
3-4	.0	1.5	.0	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.8	.0	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.4	.0	.0	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.9	.8	.0	.0	.0	5.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.9	.0	.0	.0	.0	.0	.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	.0	.0	.0	.0	.0	.9

PERIOD: (OVER-ALL) 1963-1979 NOVEMBER AREA 0904 MAZATLAN 22.6N 107.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.3	.0	.0	.0	.0	1.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	.0	.0	.0	.0	2.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.7	.0	.0	.0	.0	2.5
1-2	.0	1.9	.4	.0	.0	.0	2.7
3-4	.0	.4	1.5	.0	.0	.0	1.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.0	2.3	.0	.0	.0	7.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.0	.0	.0	.0	.0	.8
1-2	.0	3.2	.0	.0	.0	.0	3.2
3-4	.0	1.7	.0	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.9	.0	.0	.0	.0	5.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	2.5	.0	.0	.0	.0	2.5	
1-2	1.1	7.4	5.7	.0	.0	.0	14.2	
3-4	.8	1.5	3.0	.0	.0	.0	5.3	
5-6	.8	.0	1.3	.2	.0	.0	2.3	
7	.0	.0	.8	.0	.0	.0	.8	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.7	11.4	10.8	.2	.0	.0	25.1	90.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.8	12.8	.8	.0	.0	.0	25.6	
1-2	4.5	24.1	9.8	.0	.0	.0	38.3	
3-4	1.5	9.8	9.0	.0	.0	.0	20.3	
5-6	.8	.8	9.0	.8	.0	.0	11.3	
7	.0	.8	.8	.8	.0	.0	2.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								133
TOT PCT	19.5	47.5	29.3	1.5	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	6.7	29.6	19.9	7.0	.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	213	3
6-7	.0	4.5	6.2	6.2	2.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	4
8-9	.0	1.4	2.0	1.1	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
10-11	.0	.3	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
12-13	.0	.0	1.4	.8	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
>13	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
UNDET	6.7	2.0	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	1
TOTAL	48	118	106	58	14	9	1	3	0	0	0	0	0	0	0	0	0	0	0	357	3
PCT	13.4	33.1	29.7	16.2	3.9	2.5	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1931-1979 AREA 0004 MAZATLAN
(OVER-ALL) 1960-1979 22.6N 106.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.4	.0	.5	.0	.0	.0	.0	.8	1.2	.0	1.4	.0	2.2	.0	.0	94.3
NE	2.3	.0	1.9	.C	.0	.0	.C	4.2	.C	.0	3.7	.0	.0	.0	.C	92.1
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0	.0	.0	100.0
SE	.0	.C	.0	.4	.0	.C	.0	.0	6.C	.0	.0	.0	.0	.0	.C	94.0
S	12.1	.0	.C	.C	.0	.0	.0	12.1	.0	.C	.0	.0	12.1	.C	.C	75.8
SW	.0	.0	.0	.C	.0	.0	.0	.C	.0	.0	.C	.0	.0	.C	.C	100.0
W	.0	.4	.0	.C	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	100.0
NW	2.1	.C	.7	.0	.0	.C	.4	2.1	1.0	.0	2.8	.0	.9	.0	.0	93.3
VAR	.0	.C	.0	.0	.0	.0	.0	.C	.0	.0	.C	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.C	5.3	.0	.0	.0	5.3	.0	.0	89.5
TOT PCT	1.2	.0	.6	.0	.0	.0	.0	1.6	1.2	.0	1.8	.0	1.6	.0	.0	94.0
TOT OBS:	514															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.9	.0	.9	.0	.0	.0	.0	1.7	.0	.0	2.6	.0	2.6	.C	.0	93.2
06E09	.7	.0	.0	.0	.0	.0	.0	.7	1.4	.0	.C	.0	.7	.0	.0	97.3
12E15	2.4	.0	.0	.C	.0	.0	.0	2.4	2.4	.0	1.6	.0	.8	.C	.0	92.9
18E21	.7	.C	1.4	.0	.C	.0	.0	1.4	1.4	.0	4.8	.0	2.1	.C	.0	90.4
TOT PCT	1.1	.0	.6	.0	.0	.0	.0	1.5	1.3	.0	2.2	.0	1.5	.0	.0	93.5
TOT OBS:	536															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.3	14.6	20.4	3.9	.3	.1		41.1	13.1	44.9	25.0	37.2	.0	43.1	42.9	42.7	38.8
NE	.9	6.3	2.9	.C	.0	.0		9.9	9.2	10.9	.0	10.2	.0	8.8	28.6	9.4	37.5
E	.5	2.1	.4	.C	.0	.0		3.0	7.4	4.9	.0	3.1	.0	4.2	.0	1.4	12.5
SE	.5	1.8	.2	.2	.0	.0		2.7	6.7	3.8	.0	1.5	20.0	1.7	.0	3.4	.0
S	.3	1.0	.2	.C	.0	.0		1.5	6.7	1.6	10.0	.5	.0	.8	.0	2.3	.0
SW	.5	1.2	.6	.C	.0	.0		2.3	7.9	1.3	.0	1.4	20.0	3.2	.0	2.6	.0
W	1.2	3.2	.4	.C	.0	.0		4.8	6.2	5.4	5.0	5.3	40.0	6.5	.0	2.6	.0
NW	2.5	14.9	11.5	1.9	.2	*		31.0	11.1	24.6	60.0	37.4	20.0	26.3	28.6	31.7	31.5
VAR	.0	.C	.0	.0	.0	.0		.0	.C	.0	.0	.0	.0	.0	.C	.C	.0
CALM	3.7							3.7	.0	2.7	.0	3.4	.0	5.3	.0	3.8	.0
TOT OBS	77	280	229	34	3	1	624		10.7	112	10	147	5	131	7	208	4
TOT PCT	12.3	44.9	36.7	5.4	.5	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	8.7	20.4	10.5	1.3	.1		41.1	13.1	43.2	36.0	43.1	42.2
NE	4.0	5.2	.8	.0	.0		9.9	9.2	10.0	9.9	9.8	9.9
E	1.6	1.2	.3	.0	.0		3.0	7.4	4.5	3.0	4.C	1.7
SE	1.7	.8	.2	.0	.0		2.7	6.7	3.5	2.1	1.6	3.3
S	1.0	.3	.2	.0	.0		1.5	6.7	2.3	.5	.7	2.2
SW	1.0	1.2	.C	.0	.C		2.3	7.9	1.2	2.0	3.1	2.6
W	3.0	1.6	.2	.C	.0		4.8	6.2	5.3	6.4	6.2	2.6
NW	8.2	17.0	5.3	.4	*		31.0	11.1	27.5	36.0	26.4	31.7
VAR	.0	.C	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.7						3.7	.0	2.5	3.3	5.1	3.8
TOT OBS	205	298	109	11	1	624		10.7	122	152	138	212
TOT PCT	32.9	47.8	17.5	1.8	.2		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1938-1979
(OVER-ALL) 1960-1979

AREA CODE MAZATLAN
22.8N 106.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.5	4.9	47.5	36.5	5.7	.8	.0	11.6	100.0	122
06&09	3.3	7.2	51.3	33.6	4.6	.0	.0	10.2	100.0	152
12&15	5.1	8.7	44.9	37.0	2.9	.7	.7	10.1	100.0	138
18&21	3.8	11.8	38.7	37.7	7.5	.5	.0	10.9	100.0	212
TOT	23	54	280	229	34	3	1	10.7		624
PCT	3.7	8.7	44.9	36.7	5.4	.5	.2		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	17.2	4.8	11.9	8.0		3.9
NE	4.6	1.3	2.4	2.6		4.0
E	1.0	.2	.8	.6		4.5
SE	.7	.7	1.0	.5		4.4
S	.4	.0	.6	.5		5.7
SW	1.6	.5	.9	.0		2.8
W	1.7	.8	1.5	.7		4.0
NW	12.0	4.0	7.4	5.2		3.7
VAR	.0	.0	.0	.0		.0
CALM	2.5	.2	.7	.7		3.0
TOT OBS	105	55	120	83	443	3.8
TOT PCT	41.8	12.4	27.1	18.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,&W >4/8) AND OCCURRENCE OF W <5/8 BY WIND DIRECTION

WND DIR	CCO 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	W <5/8 ANY HGT	TOTAL OBS
N	.7	.0	.2	.7	2.5	3.2	1.4	.6	1.0	1.0	30.6	
NE	.2	.0	.1	.7	1.2	1.1	.1	.1	.1	.1	7.4	
E	.0	.0	.0	.0	.2	.2	.0	.2	.0	.0	2.1	
SE	.2	.0	.0	.5	.3	.2	.0	.0	.0	.0	1.6	
S	.0	.0	.0	.4	.2	.2	.0	.0	.0	.0	.6	
SW	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	2.7	
W	.0	.0	.0	.2	.2	.4	.0	.0	.0	.0	3.9	
NW	.5	.0	.2	.0	2.8	2.3	.7	.3	.8	.1	21.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.2	.2	.2	.0	.2	.0	.0	3.2	
TOT OBS	8	0	2	12	34	32	8	6	8	5	325	443
TOT PCT	1.8	.0	.5	2.7	7.7	7.2	1.8	1.4	1.8	1.1	73.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (&W >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
= OR >5000	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2
= OR >3500	5.3	5.9	5.9	5.9	5.9	5.9	5.9	5.9
= OR >2000	12.7	14.0	14.0	14.0	14.0	14.0	14.0	14.0
= OR >1000	19.9	22.3	22.3	22.3	22.3	22.3	22.3	22.3
= OR >600	22.5	24.9	24.9	24.9	24.9	24.9	24.9	24.9
= OR >300	23.0	25.4	25.4	25.4	25.4	25.4	25.4	25.4
= OR >150	23.0	25.4	25.4	25.4	25.4	25.4	25.4	25.4
= OR > 0	24.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
TOTAL	110	124	124	124	124	124	124	124

TOTAL NUMBER OF OBS: 457

PCT FREQ W <5/8: 72.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
34.4	13.9	10.6	7.9	6.1	6.1	4.8	4.2	11.1	1.0	479

PERIOD: (PRIMARY) 1958-1979
(OVER-ALL) 1860-1979

AREA CODE MAZATLAN
22.6N 105.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.2	
	TOT %	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.6	.4	.0	.0	.0	.0	.0	.A	.0	.0	1.0	
	TOT %	.6	.4	.0	.0	.0	.0	.0	.A	.0	.0	1.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.2	.0	.0	.2	.0	.0	.4	.0	.0	.4	
	NO PCP	2.1	.9	.6	.2	.4	.2	.4	2.5	.0	.4	7.6	
	TOT %	2.1	1.1	.6	.2	.6	.2	.4	2.9	.0	.4	8.0	
10+	PCP	.3	.2	.0	.0	.0	.0	.0	.2	.0	.0	.8	
	NO PCP	38.3	8.6	2.9	3.1	1.0	2.6	4.7	24.3	.0	3.3	88.9	
	TOT %	38.6	8.8	2.9	3.1	1.0	2.6	4.7	24.5	.0	3.3	89.6	
	TOT OBS												512
	TOT PCT	41.4	10.1	3.5	3.3	1.6	2.8	5.1	28.3	.0	3.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.1	.0	.0	.0	.0	.0	.0	*	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.2	
1/2<1	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.3	.4	.0	.0	.0	.0	.0	.5	.0		1.1	
	11-21	.1	.0	.0	.0	.0	.0	.0	.3	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	0		.0	
	TOT %	.6	.4	.0	.0	.0	.0	.0	.7	.0	.0	1.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.3	.4	.0	.0	.0	.2	.0	.6	.0	.4	1.9	
	4-10	1.2	.4	.4	.0	.6	.0	.4	1.2	.0		4.1	
	11-21	.5	.4	.2	.2	.0	.0	.0	.8	.0		2.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	TOT %	2.0	1.2	.6	.2	.6	.2	.4	2.8	.0	.4	8.2	
10+	0-3	1.9	.4	.4	.6	.1	.4	1.1	1.9	.0	3.2	9.9	
	4-10	13.6	5.8	2.1	2.1	.7	1.9	3.1	12.9	.0		41.7	
	11-21	19.7	2.7	.3	*	.2	.7	.3	8.7	.0		32.7	
	22+	3.8	.0	.0	.2	.0	.0	.0	1.6	.0		5.6	
	TOT %	39.0	8.9	2.8	2.9	1.0	2.5	4.5	25.0	.0	3.2	89.9	
	TOT OBS												535
	TOT PCT	41.7	10.5	3.4	3.1	1.5	2.7	4.9	28.6	.0	3.6	100.0	

DECEMBER

PERIOD: (PRIMARY) 1938-1979
(OVER-ALL) 1960-1979

TABLE 1C

AREA 0004 MAZATLAN
22.6N 106.0W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >0/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	0CO 149	150 299	300 599	6C0 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.0	.0	.0	2.1	10.3	9.3	3.1	2.1	2.1	3.1	32.0	68.0	97
06E09	2.2	.0	.0	1.5	8.8	5.9	1.5	.7	1.5	.7	22.8	77.2	136
12E15	3.4	.0	1.7	1.7	6.7	11.8	1.7	.8	1.7	.0	29.4	70.6	119
18E21	.8	.0	.0	5.0	6.6	5.0	.8	1.7	1.7	.8	22.3	77.7	121
TOT	6	0	2	12	38	37	8	6	8	5	124	349	473
PCT	1.7	.0	.4	2.5	8.0	7.8	1.7	1.3	1.7	1.1	26.2	73.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	2.5	.0	.0	11.7	85.8	120
06E09	.6	.0	.0	.0	5.8	93.5	155
12E15	.0	1.5	.0	.0	11.1	87.4	135
18E21	.0	4.8	.0	.0	6.8	88.4	147
TOT	1	12	0	0	48	496	557
PCT	.2	2.2	.0	.0	8.6	89.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >0/8),BY HOUR

HOUR (GMT)	<150 <5DYD	<600 <1	<1000 <2	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00E03	.0	.0	2.1	30.2	67.7	96
06E09	2.3	3.1	4.6	20.0	75.4	130
12E15	3.5	5.2	7.0	23.5	69.6	115
18E21	.9	.9	6.0	17.2	76.7	116
TOT	8	11	23	102	332	457
PCT	1.8	2.4	5.0	22.3	72.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-69	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.2	.2	.0	.0	.0	2	.5
80/84	.0	.0	.0	.0	1.5	1.0	.2	.0	11	2.7
75/79	.0	.0	.0	1.0	4.7	14.9	6.7	1.7	117	29.1
70/74	.0	.0	.0	.7	10.0	18.4	19.4	4.2	212	52.7
65/69	.0	.0	.0	.5	2.5	4.7	4.0	2.2	56	13.9
60/64	.0	.0	.0	.0	.7	.2	.0	.0	4	1.0
TOTAL	0	0	0	10	79	158	122	33	402	100.0
PCT	.0	.0	.0	2.5	19.7	39.3	30.3	8.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0
	1.4	.1	.0	.2	.0	.0	.0	1.0	.0	.0
	12.9	1.9	1.2	.8	.6	1.1	1.2	6.3	.0	1.0
	21.6	4.7	1.3	.9	.9	1.7	2.9	15.9	.0	2.7
	7.0	.9	.2	.5	.0	.5	.9	4.1	.0	.2
	.7	.0	.0	.0	.0	.0	.0	.3	.0	.0
	43.8	9.7	2.7	2.4	1.6	3.3	4.5	27.9	.0	4.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	85	84	79	74	68	64	63	73.7	126
06E09	79	78	78	73	67	65	61	72.6	158
12E15	80	78	77	72	66	64	63	71.6	147
18E21	86	83	81	74	68	65	65	74.2	213
TOT	86	82	79	73	67	64	61	73.1	644

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.2	20.7	47.6	26.8	3.7	75	82
06E09	.0	1.7	12.4	34.7	42.1	9.1	79	121
12E15	.0	.9	13.4	38.0	32.4	14.8	79	108
18E21	.0	5.8	31.7	38.5	17.3	6.7	73	104
TOT	0	10	80	162	126	37	77	415

PERIOD: (PRIMARY) 1938-1976
(OVER-ALL) 1860-1979

TABLE 17

AREA ODDN MAZATLAN
22.6N 106.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.2	.0	.0	.2	2	.0	.4
9/10	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
7/8	.0	.0	.0	.4	.2	.0	.0	3	.0	.6
6	.0	.0	.4	.2	.0	.2	.0	4	.0	.9
5	.0	.0	.4	.6	.4	.0	.0	7	.0	1.5
4	.0	.0	.0	.2	.6	.4	.0	6	.0	1.3
3	.0	.0	.2	.6	.6	.0	.0	7	.0	1.5
2	.0	.0	.9	1.3	1.1	.9	.0	19	.0	4.1
1	.0	.0	.6	1.1	1.1	.0	.0	13	.0	2.8
0	.0	.0	1.3	3.5	2.6	.4	.0	36	.2	7.6
-1	.0	.0	1.9	3.2	2.8	.0	.0	37	.2	7.8
-2	.0	.0	1.9	4.8	1.3	.0	.0	37	.4	7.6
-3	.0	.4	3.9	6.0	1.7	.0	.0	56	.6	11.4
-4	.0	.4	5.4	4.5	1.5	.0	.0	55	.0	11.9
-5	.0	.6	4.1	6.5	.9	.0	.0	54	.0	12.1
-6	.0	1.9	3.0	1.5	.2	.0	.0	31	.0	6.7
-7/-8	.0	2.6	4.1	2.6	.6	.0	.0	46	.0	9.9
-9/-10	.6	1.9	2.8	.4	.0	.0	.0	27	.0	5.8
-11/-13	.2	1.7	1.7	.2	.0	.0	.0	18	.0	3.9
-14/-16	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	4	46	152	177	74	9	1	463	7	456
PCT	.9	9.9	32.8	38.2	16.0	1.9	.2	100.0	1.5	98.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.8	.0	.0	.0	.0	2.8
1-2	.0	8.7	3.2	.0	.0	.0	11.9
3-4	.0	4.0	6.9	.8	.0	.0	11.7
5-6	.0	1.2	6.0	.0	.0	.0	7.1
7	.0	.4	2.0	.0	.0	.0	2.0
8-9	.0	.0	.4	.0	.0	.8	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.4	.0	.0	.4
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.7	18.7	1.4	.0	.8	37.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	4.6	.0	.0	.0	.0	5.4
3-4	.0	1.4	2.0	.0	.0	.0	3.4
5-6	.0	.0	.4	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.5	2.8	.0	.0	.0	12.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.4	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	1.6	.0	.0	.0	2.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.8	.0	.0	.0	.0	1.8
1-2	.0	.0	.4	.0	.0	.0	.8
3-4	.0	.8	.0	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	.8	.0	.0	.0	3.4

PERIOD: (OVER-ALL) 1963-1979 DECEMBER AREA CODE MAZATLAN 22.6N 106.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	.6	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.2	.0	.0	.0	.0	1.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	.0	.0	.0	.0	.0	1.2

SSW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	2.4	.0	.0	.0	.0	4.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.6	.8	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	5.2	.8	.0	.0	.0	7.5

SSW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	1.0	.0	.0	.0	.0	2.6
1-2	.0	7.5	4.0	.0	.0	.0	11.5
3-4	.0	6.5	3.8	.0	.0	.0	10.3
5-6	.0	.4	2.0	.0	.0	.0	2.4
7	.0	.8	2.0	.8	.0	.0	3.6
8-9	.0	.8	.2	.8	.0	.2	2.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	17.1	11.9	1.8	.0	.2	32.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	1.0	.0	.0	.0	.0	2.6
1-2	.0	7.5	4.0	.0	.0	.0	11.5
3-4	.0	6.5	3.8	.0	.0	.0	10.3
5-6	.0	.4	2.0	.0	.0	.0	2.4
7	.0	.8	2.0	.8	.0	.0	3.6
8-9	.0	.8	.2	.8	.0	.2	2.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.3	53.2	36.5	3.2	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.6	11.1	.0	.0	.0	.0	16.7	
1-2	.8	24.6	7.9	.0	.0	.0	33.3	
3-4	.0	14.3	15.1	.8	.0	.0	30.2	
5-6	.0	1.6	8.7	.0	.0	.0	10.3	
7	.0	.8	4.0	.8	.0	.0	5.6	
8-9	.0	.8	.8	.8	.0	.8	3.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.8	.0	.0	.8	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.3	53.2	36.5	3.2	.0	.0	100.0	126

PERIOD: (OVER-ALL) 1963-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.8	17.9	21.2	7.3	3.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	223	3
6-7	.0	2.5	6.3	10.1	3.5	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97	5
8-9	.0	.5	.8	1.5	.0	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
10-11	.0	.3	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
12-13	.0	.0	.5	.0	.5	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
>13	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	0.3	1.0	1.0	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	1
TOTAL	52	91	121	77	30	17	4	4	0	0	0	0	0	0	0	0	0	0	0	396	3
PCT	13.1	23.0	30.6	19.4	7.6	4.3	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1964-1979
(OVER-ALL) 1859-1979

AREA 0004 MAZATLAN
22.6N 107.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	1.7	*	1.3	.0	.0	.0	.0	2.8	.5	2.7	.6	.0	1.5		*	92.0
NE	1.7	.0	1.3	.0	.0	.0	.0	3.0	1.0	3.2	.9	.0	2.5		.0	90.3
E	3.1	.5	1.3	.0	.0	.0	.0	5.0	3.5	1.4	1.5	.4	2.5		.0	85.7
SE	1.2	1.0	1.3	.0	.0	.0	.0	3.5	2.1	1.7	.7	.0	3.2		.0	88.7
S	2.2	.3	.5	.0	.0	.0	.0	2.9	.7	3.9	.3	.0	3.9		.0	88.4
SW	1.6	.0	.4	.0	.0	.0	.0	2.0	1.1	4.0	1.0	.0	2.6		.2	89.5
W	.7	.2	.3	.0	.0	.0	.0	1.2	.1	2.5	.4	.2	1.1		.0	94.5
NW	.4	.1	.3	.0	.0	.0	.0	.7	.7	2.7	.3	*	1.1		.1	94.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.4	.0	.0	.0	.0	.0	.0	.4	.4	2.1	1.3	.0	2.8		.2	92.8
TOT PCT	1.1	.2	.6	.0	.0	.0	.0	1.9	.9	2.5	.6	*	2.0		.1	92.2
TOT OBS:	6601															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.3	.3	.4	.0	.0	.0	.0	.9	.6	.7	.4	.0	2.9		.1	94.2
06E09	1.1	.3	.7	.0	.0	.0	.0	2.1	1.0	5.4	.2	.0	1.4		.1	90.0
12E15	2.0	.3	.8	.0	.0	.0	.0	3.0	1.2	3.5	1.0	.1	1.2		.1	90.3
18E21	1.0	.1	.5	.0	.0	.0	.0	1.6	.7	.2	1.0	.1	2.5		.0	93.8
TOT PCT	1.1	.2	.6	.0	.0	.0	.0	1.9	.9	2.5	.7	*	2.0		.1	92.1
TOT OBS:	6778															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.3	8.7	7.1	1.1	.1	*		19.4	9.1	18.8	19.5	17.0	6.0	20.1	17.3	22.0	18.6
NE	.9	2.9	1.1	.1	*	*		5.0	7.6	4.3	2.0	3.9	2.5	9.8	6.7	6.2	4.5
E	1.1	2.6	.5	.1	.1	*		4.4	7.2	3.8	2.7	3.0	4.5	5.6	6.8	5.1	2.7
SE	1.7	4.4	1.1	.2	.1	*		7.5	7.2	6.3	9.4	6.2	4.1	7.0	7.7	9.2	12.5
S	1.6	4.6	1.5	.2	*	.0		7.9	7.5	8.9	4.8	7.6	10.7	7.5	6.7	8.3	13.3
SW	1.4	5.2	1.7	*	*	.0		8.3	7.3	9.4	7.8	8.5	12.1	7.1	9.7	8.2	7.8
W	2.4	8.7	2.7	.1	*	.0		14.0	7.7	18.4	19.7	14.5	17.1	12.7	16.1	11.3	8.9
NW	3.0	13.6	8.1	.9	.1	*		25.6	9.4	25.0	34.2	30.4	25.3	25.0	23.4	22.0	31.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.9							7.9	.0	5.3	4.8	9.0	5.3	10.2	3.8	7.8	8.3
TOT OBS							7793		8.3	1546	132	1836	94	1686	157	2336	66
TOT PCT	22.3	50.7	23.8	2.7	.4	.1		100.0		100.0	100.0	100.0	91.7	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.2	9.7	3.1	.3	*		19.4	9.1	18.5	16.8	19.0	21.8
NE	2.4	2.3	.3	*	*		5.0	7.6	4.1	3.9	4.9	6.1
E	2.5	1.6	.2	*	.1		4.4	7.2	3.4	3.0	5.9	5.0
SE	3.9	2.9	.5	.2	*		7.5	7.2	6.6	6.4	7.2	9.2
S	3.9	3.4	.6	.1	*		7.9	7.5	8.6	7.5	7.5	8.4
SW	4.1	3.8	.3	*	*		8.3	7.3	9.3	8.6	7.4	8.1
W	6.6	6.6	.7	*	.0		14.0	7.7	18.4	14.7	12.9	11.3
NW	8.7	12.7	2.9	.2	*		25.6	9.4	25.9	30.2	24.7	22.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.9						7.9	.0	5.3	8.8	9.7	7.8
TOT OBS						7793		8.3	1678	1890	1843	2382
TOT PCT	46.3	49.1	8.5	.9	.2		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1859-1979

AREA 0004 MAZATLAN
22.6N 107.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00E03	5.3	11.9	51.1	28.1	3.2	.4	.1	9.1	100.0	1678
06E09	8.8	11.8	52.3	23.6	2.8	.6	.0	8.4	100.0	1890
12E15	9.7	15.2	51.0	21.6	1.9	.5	.2	7.8	100.0	1843
18E21	7.8	17.5	49.0	22.5	2.9	.3	.1	7.9	100.0	2382
TOT								8.3		7793
PCT	7.9	14.4	50.7	23.8	2.7	.4	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.4	3.4	4.3	2.0		3.1
NE	2.2	.9	1.2	.6		3.4
E	1.3	.9	1.4	.8		4.2
SE	2.4	1.5	2.2	1.2		4.0
S	3.0	1.5	2.2	1.1		3.7
SW	3.7	1.7	1.7	.7		3.3
W	6.6	3.0	3.5	1.1		3.1
NW	13.4	4.4	5.7	2.2		3.0
VAR	.0	.0	.0	.0		.0
CALM	5.1	1.1	1.7	.4		2.4
TOT OBS					5466	3.2
TOT PCT	47.7	18.4	21.9	10.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	0	0	.0	.0	1.0	.6	.1	.2	.1	16.1	
NE	0	0	0	.2	.3	.2	.1	0	0	0	3.6	
E	.0	0	0	.1	.5	.2	.1	0	0	0	7.1	
SE	.1	0	.2	.5	.7	.3	.1	.1	0	0	5.4	
S	.1	0	.1	.3	.9	.4	.2	0	.1	.0	4.9	
SW	.1	0	.1	.2	.6	.3	.2	.1	0	0	6.4	
W	0	0	.1	.3	.7	.5	.2	.1	.1	0	11.7	
NW	.1	.1	.1	.6	1.5	1.2	.5	.2	.1	.2	21.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	0	0	.1	.4	.4	.1	.1	0	.0	7.1	
TOT OBS												5466
TOT PCT	.6	.3	.7	3.0	6.4	4.4	2.1	.7	.6	.4	80.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5OYD	: OR >0
: OR >6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: OR >5000	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
: OR >3500	3.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
: OR >2000	7.5	8.1	8.2	8.2	8.2	8.2	8.2	8.2
: OR >1000	12.9	14.5	14.6	14.6	14.7	14.7	14.7	14.7
: OR >600	15.3	17.3	17.6	17.7	17.7	17.7	17.7	17.7
: OR >300	15.8	17.8	18.3	18.3	18.4	18.4	18.4	18.4
: OR >150	15.9	18.1	18.5	18.6	18.6	18.7	18.7	18.7
: OR > 0	16.2	18.6	19.1	19.2	19.2	19.2	19.3	19.3

TOTAL NUMBER OF OBS: 5564

PCT FREQ HH <5/8: 80.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
34.5	14.7	13.9	10.7	6.3	5.0	4.9	4.0	5.4	.4	4843

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1859-1979

TABLE 8

AREA 0004 MAZATLAN
22.6N 107.9W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
<1/2	NO PCP	*	*	*	*	.0	*	*	*	.0	*	.1	
	TOT %	*	*	*	*	.0	*	*	*	.0	*	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.1	.1	*	*	.0	.0	*	.1	.0	.0	.3	
	TOT %	.1	.1	*	*	.0	.0	*	.1	.0	.0	.3	
	PCP	.0	.0	*	*	*	.0	.0	*	.0	.0	.1	
1<2	NO PCP	.0	.0	.0	*	*	.0	.0	.0	.0	*	*	
	TOT %	.0	.0	*	*	*	.0	.0	*	.0	*	.1	
	PCP	.0	*	*	.1	*	*	*	.0	.0	.0	.2	
2<5	NO PCP	.1	*	*	.1	.1	.1	*	.1	.0	*	.5	
	TOT %	.1	*	.1	.2	.1	.1	.1	.1	.0	*	.7	
	PCP	.1	*	.1	.1	.1	.2	.1	.1	.0	*	.8	
5<10	NO PCP	1.1	.5	.4	.7	.7	1.0	1.2	2.0	.0	.6	8.3	
	TOT %	1.2	.5	.5	.8	.8	1.1	1.2	2.1	.0	.7	9.1	
	PCP	.2	.1	.1	.2	.1	*	.1	*	.0	*	.8	
10+	NO PCP	17.4	4.3	3.7	6.1	6.8	6.8	13.2	23.2	.0	7.3	89.8	
	TOT %	17.6	4.4	3.8	6.3	6.9	6.9	13.2	23.2	.0	7.3	89.6	
	TOT OBS												6554
	TOT PCT	19.0	5.0	4.5	7.4	7.9	8.1	14.6	25.5	.0	8.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	*	*	.0	.0	.0	.0	.0	.0	*	.1	
<1/2	4-10	.0	.0	*	*	.0	.0	.0	.0	.0		*	
	11-21	*	.0	.0	.0	.0	*	*	*	.0		*	
	22+	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	*	*	*	.0	*	*	*	.0	*	.2	
	0-3	*	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	4-10	.1	*	.0	*	.0	.0	*	.1	.0		.2	
	11-21	*	.0	.0	.0	.0	.0	.0	*	.0		.1	
	22+	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	.1	*	*	.0	.0	*	.1	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
1<2	4-10	.0	.0	.0	*	*	.0	.0	*	.0		.1	
	11-21	.0	.0	*	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	*	.0	.0	.0	.0	*	.0		*	
	TOT %	.0	.0	*	*	*	.0	.0	*	.0	*	.1	
	0-3	*	*	.0	*	*	*	*	*	.0	.1	.2	
2<5	4-10	*	*	*	*	.0	*	*	.1	.0		.2	
	11-21	*	.0	*	.1	.1	*	*	*	.0		.3	
	22+	*	*	*	.1	*	*	.0	*	.0		.2	
	TOT %	.1	.1	.1	.2	.1	.1	.1	.1	.0	.1	.9	
	0-3	.3	.2	.2	.2	.1	.2	.2	.3	.0	.7	2.3	
5<10	4-10	.5	.3	.2	.4	.4	.7	.9	1.1	.0		4.6	
	11-21	.2	.1	.1	.2	.3	.2	.2	.6	.0		1.8	
	22+	.1	*	*	.1	.1	.0	*	.1	.0		.4	
	TOT %	1.2	.5	.6	.8	.8	1.1	1.3	2.1	.0	.7	9.2	
	0-3	1.7	.6	.8	1.3	1.3	.9	2.2	2.6	.0	7.2	18.6	
10+	4-10	8.0	2.7	2.4	3.8	4.1	4.6	8.3	12.7	.0		46.2	
	11-21	6.9	1.1	.5	.9	1.3	1.5	2.6	7.3	.0		22.2	
	22+	1.0	*	.1	.1	.1	*	.1	.7	.0		2.3	
	TOT %	17.6	4.3	3.7	6.2	6.9	6.8	13.3	23.2	.0	7.2	89.3	
	TOT OBS												6723
	TOT PCT	19.0	5.0	4.5	7.3	7.8	8.1	14.7	25.6	.0	8.1	100.0	

ANNUAL

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1859-1979

TABLE 10

AREA 0004 MAZATLAN
22.6N 107.9W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,AH >4/8) AND OCCURRENCE OF AH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	AH <5/8 ANY HGT	TOTAL OBS
00E03	.1	.2	.8	2.2	5.3	4.6	2.6	.4	.6	.6	17.4	P .6	1371
06E09	.7	.1	.8	2.4	6.3	3.7	1.2	.8	.5	.4	17.1	82.9	1602
12E15	1.1	.3	.9	3.7	7.7	5.8	1.7	.8	.5	.4	22.9	77.1	1451
18E21	.4	.3	.3	3.3	6.0	3.2	2.7	.8	.9	.2	18.2	81.8	1344
TOT													5768
PCT	.6	.2	.7	2.9	6.3	4.3	2.0	.7	.6	.4	19.8	81.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	*	.6	.1	.2	9.2	89.7	1637
06E09	.2	.1	.1	.6	9.7	89.3	1876
12E15	.3	.5	.2	1.5	11.9	85.6	1779
18E21	.1	.5	.1	1.1	7.1	91.2	1609
TOT							6901
PCT	.1	.4	.1	.9	9.4	89.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,AH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND/OR	NM <5/8 AND 5+	TOTAL OBS
00E03	.1	1.3	3.6	14.3	82.1	1318
06E09	.8	1.8	4.9	13.0	82.1	1548
12E15	1.2	2.7	7.6	17.1	75.3	1394
18E21	.4	.9	4.8	13.9	81.3	1304
TOT						5564
PCT	.6	1.7	5.2	14.5	80.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	*	.1	.0	.0	.0		.1
90/94	.0	.0	*	.2	.6	.3	.2	.1		1.3
85/89	.0	.0	.1	.4	1.6	4.3	2.2	.5		9.0
80/84	.0	*	.1	.3	3.5	9.0	10.3	2.7		26.0
75/79	.0	*	.2	.8	2.7	8.5	6.1	3.2		21.6
70/74	.0	.0	.1	.8	3.5	7.8	9.5	4.1		25.8
65/69	.0	.0	*	.5	1.5	4.5	4.9	3.0		14.3
60/64	.0	.0	.0	.1	.5	.3	.5	.4		1.8
TOTAL									5420	100.0
PCT	.0	*	.5	3.0	13.9	34.7	33.7	14.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	*	.0	.0	*	.0	.0	*	*	.0	.0
	.2	.0	.1	.2	.3	.1	.1	.2	.0	.1
	.9	.5	.5	1.1	1.2	1.1	1.5	1.4	.0	.9
	2.9	.9	1.6	3.5	3.2	2.4	3.7	5.5	.0	2.2
	4.0	1.2	1.2	1.4	1.5	2.1	3.1	5.2	.0	1.0
	6.1	1.4	.8	.9	1.3	1.8	3.2	8.2	.0	2.1
	4.7	.6	.3	.3	.4	.7	1.7	4.6	.0	1.1
	.7	.1	*	*	*	.0	.1	.7	.0	.1
	19.6	4.7	4.4	7.4	7.9	8.2	13.5	25.9	.0	8.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	97	89	85	78	72	69	63	77.5	1694
06E09	100	93	87	76	70	68	60	76.7	1938
12E15	92	82	79	75	69	67	60	73.7	1884
18E21	95	87	85	78	72	69	60	78.2	2336
TOT	100	87	83	76	71	68	60	76.1	7852

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	5.3	21.0	39.6	26.8	7.3	75	1263
06E09	.0	1.8	7.9	32.0	41.4	16.9	81	1623
12E15	.0	1.9	6.9	28.4	40.8	22.0	82	1380
18E21	.0	6.0	21.4	39.8	23.6	9.2	75	1274
TOT	0	210	769	1919	1852	801	78	5540

PERIOD: (PRIMARY) 1909-1979
(OVER-ALL) 1859-1979

AREA 0004 MAZATLAN
22.6N 107.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	WO FOG
23/25	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
20/22	.0	.0	.0	.0	.0	*	*	.0	.0	.0	3	.0	*
17/19	.0	.0	.0	.0	*	.1	*	*	*	.0	10	.0	.1
14/16	.0	.0	*	.0	*	.1	*	.1	.1	.0	17	.0	.3
11/13	.0	.0	.0	.0	.1	.1	.3	.3	.1	.1	54	.0	.9
9/10	.0	.0	.0	.1	.2	.2	.2	.2	.2	*	86	.0	1.0
7/8	.0	.0	*	.1	.3	.5	.4	.3	.3	.1	121	.0	2.0
6	.0	.0	*	.2	.2	.3	.3	.2	.2	*	84	.0	1.4
5	.0	.0	*	.2	.3	.7	.4	.4	.2	*	139	.0	2.2
4	.0	*	.1	.2	.5	.5	.5	.5	.2	*	160	*	2.6
3	.0	*	.1	.4	.5	.7	.4	.6	.1	.0	190	.0	3.1
2	.0	*	.1	.8	.9	.8	1.1	1.0	.3	.0	307	*	4.9
1	.0	*	.3	1.1	1.5	.9	1.1	1.2	.1	.0	385	.1	6.1
0	.0	*	.6	1.9	2.1	1.2	2.6	1.3	.1	*	612	.1	9.8
-1	.0	*	.9	1.8	1.6	1.6	2.5	.8	.0	.0	563	*	9.0
-2	.0	.1	1.5	2.3	2.1	2.1	3.4	.8	.0	.0	753	.1	12.2
-3	.0	.1	1.5	2.2	1.8	1.8	2.4	.5	.0	.0	637	.1	10.2
-4	.0	.3	1.3	2.2	1.8	1.9	2.4	.3	.0	.0	625	*	10.2
-5	.0	.3	1.1	2.0	1.5	2.2	1.8	.2	.0	.0	557	.1	9.1
-6	.0	.3	.9	1.2	.9	1.2	.6	.1	.0	.0	323	*	5.2
-7/-8	*	.3	.9	1.3	1.1	1.1	.6	.0	.0	.0	325	*	5.3
-9/-10	*	.2	.5	.7	.4	.3	.1	.0	.0	.0	139	.0	2.3
-11/-13	.0	.1	.4	.4	.3	.2	*	.0	.0	.0	84	.0	1.4
-14/-16	.0	*	*	.1	.0	.0	.0	.0	.0	.0	8	.0	.1
TOTAL											6163		
PCT	*	1.7	10.6	19.1	18.2	18.2	21.3	8.7	1.8	.3	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.4	.2	.0	.0	.0	2.2
1-2	.6	4.7	1.6	.0	.0	.0	6.8
3-4	.1	2.0	2.8	.2	.0	.0	5.0
5-6	.0	.6	2.4	.2	.1	.0	3.3
7	.0	.1	.8	.3	*	.0	1.2
8-9	.0	.0	.3	.1	.1	*	.4
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	*	*	.0	.1
13-16	.0	.0	.0	.0	.1	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	8.8	4.0	.4	.1	*	19.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.1	.0	.0	.0	.8
1-2	.3	1.8	.4	.0	.0	.0	2.6
3-4	*	.6	.6	*	.0	.0	1.3
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	*	*	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.0	1.4	.1	*	.0	5.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.0	.0	.0	.0	1.2
1-2	.3	1.5	.6	.0	.0	.0	2.4
3-4	*	.2	.3	.0	.0	.0	.5
5-6	.0	.1	.1	.0	.0	.0	.2
7	.0	.1	.1	.0	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.1	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	2.4	1.2	.1	.1	.1	4.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.4	.0	.0	.0	.0	1.0
1-2	.5	2.0	.4	.0	.0	.0	3.0
3-4	.0	.9	.4	.0	.0	.0	1.2
5-6	.0	*	.4	.0	.0	.0	.5
7	.0	.1	.1	*	.0	.0	.2
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.6	1.3	.2	.0	.0	6.0

ANNUAL

PERIOD: (OVER-ALL) 1963-1979 AREA 05C4 MAZATLAN 22.6N 107.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.8	.0	.0	.C	.0	1.0
1-2	.6	2.5	.6	.0	.C	.0	3.7
3-4	•	1.0	.5	.1	.C	.0	1.6
5-6	.0	.0	.3	.1	.C	.0	.4
7	.0	.0	.3	.0	.C	.0	.3
8-9	.0	.0	.1	.1	.C	.0	.2
10-11	.0	.0	.C	.0	.C	.0	.C
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.C	.0	.0	.0	.1	.0	.1
20-22	.C	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.C	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.C	.0	.0	.C	.0	.C
49-60	.0	.C	.0	.0	.C	.0	.0
61-70	.C	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.9	4.3	1.8	.3	.1	.0	7.3

Sb

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.2	.C	.C	.C	.0	1.6
1-2	.4	3.1	.7	.0	.C	.C	4.3
3-4	.1	1.1	.9	.0	.C	.0	2.1
5-6	.0	.2	.2	.C	.C	.C	.4
7	.C	.0	.1	.C	.C	.0	.1
8-9	.0	.0	.C	.0	.C	.0	.C
10-11	.0	.0	.0	.C	.C	.0	.C
12	.0	.0	.1	.0	.C	.C	.1
13-16	.0	.0	.C	.0	.C	.C	.0
17-19	.0	.0	.0	.0	.C	.C	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.C	.0	.C	.0	.C
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.C	.0	.C	.0	.0
41-48	.0	.C	.0	.0	.C	.0	.C
49-60	.0	.C	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.C	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	1.0	5.7	2.1	.0	.C	.C	8.7

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.7	.1	.0	.C	.0	2.6
1-2	1.5	5.6	.9	.C	.C	.0	8.0
3-4	.3	2.2	1.2	.1	.C	.0	3.8
5-6	.0	.1	.4	.1	.0	.0	.6
7	.0	.2	.7	.0	.C	.0	.3
8-9	.0	.1	.1	.0	.C	.0	.1
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.C	.C	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.C	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.C	.C	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.C	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.C	.C	.0	.0
TOT PCT	2.5	9.9	2.9	.1	.C	.0	15.4

Nb

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	1.7	.3	.0	.C	.0	2.6	
1-2	1.6	7.2	2.4	.0	.C	.0	11.2	
3-4	.1	3.4	2.8	.3	.C	.0	6.6	
5-6	.1	.5	1.7	.2	.1	.0	2.6	
7	.1	.4	1.0	.1	•	.0	1.6	
8-9	.0	.1	•	.2	.C	.0	.3	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	•	•	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.C	.0	.0	
20-22	.0	.0	.0	.C	.0	.0	.C	
23-25	.C	.0	.0	.0	.C	.0	.C	
26-32	.0	.0	.0	.0	.0	.0	.C	
33-40	.0	.C	.0	.0	.C	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.C	.0	.0	
61-70	.0	.0	.0	.0	.C	.0	.0	
71-86	.0	.0	.0	.0	.C	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.C	
TOT PCT	2.4	13.2	8.4	.9	.2	•	25.1	91.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.4	8.6	.7	.0	.0	.0	21.7	
1-2	6.1	28.2	7.6	.0	.C	.0	41.8	
3-4	.6	11.1	9.5	.6	.0	.0	21.9	
5-6	.1	1.6	5.9	.5	.2	.0	8.3	
7	.1	.7	2.5	.6	.1	.0	4.0	
8-9	.0	.1	.5	.6	.1	.1	1.3	
10-11	.0	.0	.1	.2	.1	.0	.3	
12	.0	.0	.1	.1	.1	.0	.4	
13-16	.0	.0	.0	.0	.1	.0	.1	
17-19	.0	.0	.0	.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.C	.1	.1	
23-25	.0	.0	.0	.0	.C	.0	.C	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.C	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.C	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.C	
								1506
TOT PCT	19.3	50.5	26.9	2.5	.7	.1	100.0	

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	5.9	22.2	17.5	6.7	2.0	.7	.3	.1	•	•	.0	.0	.0	.0	.C	.C	.0	.C	.0	2821	3
6-7	.2	3.8	7.7	5.8	2.0	1.0	.2	.1	.1	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	1094	4
8-9	.1	1.1	1.6	1.2	.7	.7	.3	.1	.2	•	.C	.0	.0	.0	.0	.0	.0	.0	.0	302	5
10-11	.0	.9	.5	.3	.4	.2	•	.1	.1	•	.0	.0	.0	.0	.C	.C	.0	.C	.0	123	5
12-13	.0	.0	.0	.0	.2	.1	.1	.1	•	•	•	•	.0	.0	.0	.0	.0	.C	.0	9C	6
>13	.0	•	.0	.0	.3	.1	.1	.0	•	.0	.0	•	.0	.0	.0	.0	.0	.0	.0	61	7
INDET	0.0	1.7	1.1	.5	.2	.1	•	.0	•	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	638	1
TOTAL																				51??	3
PCT	10.9	29.7	29.1	15.3	5.9	2.8	1.0	.5	.5	.1	.1	•	.0	.C	.C	.C	.0	.C	.0	100.0	

PERIOD: (PRIMARY) 1965-1979 AREA CODE PAZATLAN
(OVER-ALL) 1959-1979 22.6N 107.9W

TABLE 2C

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	2	*
93/94	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	2	*
91/92	.0	.0	.0	.0	.0	.0	.2	.8	1.5	.5	.0	.0	10	.2
89/90	.0	.0	.0	.0	.0	.0	2.6	7.2	5.6	2.9	.2	.0	95	1.3
87/88	.0	.0	.0	.0	.2	1.1	6.8	20.6	22.0	11.9	1.6	.0	336	4.6
85/86	.0	.0	.0	.1	.4	4.5	25.3	32.7	30.0	28.1	3.7	.4	656	9.0
83/84	.0	.4	.0	.0	4.1	14.7	21.4	19.0	23.1	31.1	22.3	1.0	751	10.3
81/82	1.3	.9	.7	.6	10.1	21.0	17.9	10.9	10.7	17.5	32.1	9.2	752	10.4
79/80	3.7	3.4	1.1	3.0	15.5	16.2	10.7	4.3	3.6	4.8	21.4	14.5	598	8.2
77/78	9.8	3.9	5.5	7.5	19.6	10.7	7.8	2.7	.4	1.2	11.2	15.3	605	8.3
75/76	16.4	10.7	11.8	21.4	19.9	12.4	3.7	.4	1.1	1.2	4.8	27.0	835	11.5
73/74	19.7	13.1	18.7	27.5	16.1	7.0	2.2	.4	.8	.5	1.2	19.9	805	11.1
71/72	19.0	17.9	22.1	20.4	8.2	7.3	.2	.2	.4	.2	.5	7.0	695	9.6
69/70	19.0	30.4	23.9	9.8	3.3	2.6	.4	.0	.0	.0	.4	2.4	672	8.7
67/68	9.1	14.1	9.2	4.5	1.4	1.5	.2	.0	.0	.0	.5	1.4	298	4.0
65/66	2.5	2.9	4.3	2.4	1.2	.5	.0	.0	.0	.0	.0	1.0	103	1.4
63/64	.9	2.2	1.7	2.2	.4	.5	.2	.0	.0	.0	.0	.2	57	.8
61/62	.1	.4	.9	.4	.4	.2	.2	.0	.0	.0	.0	.2	20	.3
59/60	.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	7	.1
57/58	.1	.0	.0	.3	.0	.0	.0	.0	.0	0	.0	.0	3	*
55/56	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
53/54	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
51/52	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	684	687	748	668	634	647	659	685	533	588	561	574	7261	100.0
MEAN	72.4	71.3	71.3	72.8	76.2	78.5	82.5	84.8	84.9	84.0	80.8	76.1	77.9	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1014	1014	1016	1016	1016	1016	1016	1012	1016	619
FEB	1014		1016		1015	1019	1016	1014	1015	652
MAR	1015	1017	1014	1012	1013	1016	1015	1011	1014	764
APR	1012		1013	1011	1012	1014	1013	1013	1012	591
MAY	1010	1012	1012	1008	1011	1012	1012	1008	1011	652
JUN	1009	1010	1012	1009	1010	1011	1011	1011	1011	607
JUL	1011	1011	1012	1013	1012	1012	1012	1008	1012	455
AUG	1010	1010	1012	1011	1011	1013	1012	1010	1011	478
SEP	1009	1009	1010	1008	1010	1010	1011	1010	1010	540
OCT	1011	1010	1013	1011	1011	1012	1012	1011	1012	615
NOV	1012	1012	1014	1014	1013	1016	1014	1012	1014	554
DEC	1014	1014	1016	1012	1015	1016	1016	1012	1015	552
ANN	1012	1012	1013	1011	1012	1013	1013	1011	1013	7079
OBS	1488	53	1768	55	1596	90	1981	48		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1007	1010	1011	1014	1015	1017	1023	1025	1026
FEB	1005	1010	1011	1013	1015	1016	1022	1025	1026
MAR	1001	1006	1010	1012	1014	1015	1018	1023	1024
APR	999	1002	1008	1011	1013	1014	1016	1021	1023
MAY	1000	1004	1007	1010	1011	1013	1015	1017	1021
JUN	1001	1003	1006	1009	1011	1012	1015	1018	1022
JUL	1001	1002	1007	1010	1012	1013	1016	1021	1023
AUG	1000	1004	1007	1010	1011	1013	1016	1017	1021
SEP	997	1001	1005	1008	1010	1012	1015	1017	1023
OCT	1000	1001	1007	1010	1012	1013	1018	1023	1024
NOV	1005	1008	1010	1012	1013	1015	1018	1022	1024
DEC	1004	1008	1011	1013	1015	1016	1022	1024	1025

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SAND	NO SIG WEA
N	.2	.1	.4	.0	.0	.0	.0	.7	.5	.1	.1	.0	.4	.C		98.2
NE	.6	.3	.8	.0	.0	.0	.0	1.6	.7	.1	.4	.0	.7	.1		96.5
E	3.7	.3	1.6	.0	.0	.0	.0	4.9	1.8	1.8	.2	.C	.6	.2		90.7
SE	3.2	.9	2.0	.0	.0	.0	.0	5.2	2.7	1.4	.4	.0	1.9	.4		87.8
S	1.5	1.5	.0	.0	.0	.0	.0	3.1	1.3	.0	.0	.0	.0	.C		95.6
SW	2.6	.0	1.3	.0	.0	.0	.0	4.C	3.1	.9	.C	.0	.9	.C		91.2
W	.5	.0	.1	.0	.0	.0	.0	.6	.9	.1	.C	.0	.8	.0		97.5
NW	.2	.2	.2	.0	.0	.0	.0	.7	.5	.2	.2	.0	.6	.C		98.C
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0	.0	.C		.C
CALM	.3	.0	.0	.0	.0	.0	.0	.3	.5	1.0	.3	.0	2.5	.3		95.3
TOT PCT	.5	.2	.5	.0	.0	.0	.0	1.1	.7	.2	.2	.0	.6	•		97.1
TOT OBS: 10105																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.5	•	.7	.0	.0	.0	.0	1.1	.7	•	.2	.0	.4	•		97.3
06&09	.4	.2	.2	.0	.0	.0	.0	.8	.6	.5	.1	.0	.4	•		97.4
12&15	.6	.2	.4	.0	.0	.0	.0	1.2	.6	.5	.3	.0	.7	.C		96.6
18&21	.7	.3	.5	.0	.0	.0	.0	1.4	.8	.0	.1	.0	.6	.1		97.2
TOT PCT	.5	.2	.4	.0	.0	.0	.0	1.1	.7	.3	.2	.0	.6	•		97.1
TOT OBS: 10202																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.3	20.6	18.0	1.4	.1	.0		42.3	11.2	42.2	42.3	40.4	44.4	40.0	47.8	44.8	43.1
NE	.9	7.6	4.8	.2	•	.0		13.5	10.0	12.1	12.2	13.0	P.7	13.6	13.5	13.5	13.0
E	.6	2.5	.8	.1	.0	.0		4.0	8.3	3.1	1.6	4.3	1.8	4.4	3.C	4.C	3.3
SE	.4	1.3	.4	•	.0	.0		2.2	7.7	2.2	1.1	2.3	1.6	1.9	2.5	2.4	4.6
S	.3	.6	.2	•	.0	.0		1.1	7.0	1.3	.3	1.0	1.2	1.4	.2	1.1	.3
SW	.2	.7	.2	•	•	.0		1.1	7.3	1.5	2.4	.8	.6	1.1	1.5	1.C	.8
W	.8	3.C	1.1	.1	.0	.0		4.9	8.2	6.2	6.0	5.2	3.6	4.8	4.8	3.8	3.1
NW	1.8	14.7	9.5	.6	•	.0		26.6	10.3	28.5	28.9	28.6	29.8	27.5	23.2	22.6	29.8
VAR	.0	.0	.0	.C	.0	.0		.0	.0	.C	.0	.0	.0	.0	.0	.C	.0
CALM	4.2							4.2	.C	3.0	4.8	4.6	3.2	5.6	3.6	3.8	7.0
TOT OBS	1767	5629	3851	273	11	0	11031		9.9	2564	166	2459	124	2348	308	2888	192
TOT PCT	11.5	51.0	34.9	2.5	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	8.8	26.9	6.4	.2	•		42.3	11.2	42.2	40.9	40.9	44.7
NE	3.9	8.1	1.3	.1	.0		13.5	10.0	12.1	12.8	13.6	13.4
E	1.8	2.0	.2	•	.0		4.0	8.3	3.0	4.2	4.3	4.4
SE	1.1	.9	.1	•	.0		2.2	7.7	2.1	2.2	1.6	2.7
S	.6	.5	•	•	.0		1.1	7.0	1.2	1.0	1.2	1.1
SW	.6	.5	•	•	.C		1.1	7.3	1.6	.8	1.2	1.C
W	2.3	2.3	.3	•	.C		4.9	8.2	6.2	5.1	4.8	3.8
NW	7.3	16.1	3.1	.1	.0		26.6	10.3	28.5	28.4	27.0	23.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.C	.0
CALM	4.2						4.2	.0	3.2	4.6	5.3	3.8
TOT OBS	3376	6365	1265	42	3	11031		9.9	2752	2583	2656	3040
TOT PCT	30.6	57.5	11.5	.4	•		100.0		100.0	100.0	100.C	100.C

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.2	6.9	46.8	39.7	3.2	.3	.0	10.6	100.0	2752
06&09	4.5	6.1	54.5	32.4	2.4	*	.0	9.6	100.0	2583
12&15	5.3	7.6	52.8	32.0	2.0	.1	.0	9.4	100.0	2656
18&21	3.8	8.4	50.3	35.2	2.3	*	.0	9.8	100.0	3040
TOT	459	808	5629	3851	273	11	0	9.9		11031
PCT	4.2	7.3	51.0	34.9	2.5	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	18.3	8.6	11.4	3.9		3.4
NE	5.3	2.4	4.1	1.7		3.8
E	1.6	.7	1.1	.7		3.9
SE	.8	.4	.7	.4		4.1
S	.3	.3	.4	.2		4.3
SW	.4	.2	.4	.2		4.3
W	2.4	1.1	1.2	.4		3.2
NW	12.9	5.0	6.4	2.3		3.1
VAR	.0	.0	.0	.0		.0
CALM	2.2	.6	1.0	.3		2.9
TOT OBS	3640	1584	2203	815	8242	3.4
TOT PCT	44.2	19.2	26.7	9.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	*	.1	1.3	3.0	1.8	.9	.1	.2	.3	39.4	
NE	*	*	.1	.5	1.4	.7	.4	.1	.1	.1	10.1	
E	*	.0	*	.2	.5	.2	*	*	*	*	3.0	
SE	*	.0	*	.1	.3	.1	.1	.0	*	*	1.6	
S	*	.0	*	.1	.1	.1	*	*	.0	.0	.8	
SW	.0	.0	.0	.1	.1	*	.1	*	.0	*	.8	
W	*	*	.0	.2	.4	.3	*	*	*	*	4.0	
NW	*	*	.1	.8	1.7	.9	.5	.2	.1	.2	21.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	*	*	.1	.3	.1	*	.0	.0	*	3.5	
TOT OBS	25	6	33	290	644	354	176	42	32	49	6591	.242
TOT PCT	.3	.1	.4	3.5	7.8	4.3	2.1	.5	.4	.6	80.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SOYC	: OR >0
: OR >6500	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: OR >5000	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >3500	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
: OR >2000	7.5	7.8	7.9	7.9	7.9	7.9	7.9	7.9
: OR >1000	14.8	15.6	15.7	15.7	15.7	15.7	15.7	15.7
: OR >600	17.9	19.1	19.2	19.2	19.2	19.2	19.2	19.2
: OR >300	18.3	19.5	19.6	19.6	19.6	19.6	19.6	19.6
: OR >150	18.3	19.6	19.7	19.7	19.7	19.7	19.7	19.7
: OR > 0	18.6	19.8	20.0	20.0	20.0	20.0	20.0	20.0
TOTAL	1592	1659	1669	1671	1671	1672	1673	1673

TOTAL NUMBER OF OBS: 8360

PCT FREQ HH <5/8: 80.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
29.9	16.2	14.7	11.2	7.4	5.3	5.6	4.5	4.9	.2	8799

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*	
	TOT %	*	.0	*	.0	.0	.0	.0	.0	.0	*	*	
1/2<1	PCP	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	.0	*	*	.0	.0	.0	.0	.0	.0	*	
1<2	PCP	*	*	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	*	*	*	*	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	*	*	*	*	.0	.0	.0	*	.0	.0	*	
	NO PCP	*	*	*	.0	.0	*	*	*	.0	.0	.1	
	TOT %	.1	*	*	*	.0	*	*	*	.0	.0	.2	
5<10	PCP	.1	.1	*	*	.0	*	*	*	.0	.0	.3	
	NO PCP	1.3	.6	.3	.2	*	*	.3	.9	.0	.2	3.9	
	TOT %	1.4	.6	.3	.2	*	.1	.3	.9	.0	.2	4.1	
10+	PCP	.2	.1	.1	.1	*	*	*	.1	.0	*	.7	
	NO PCP	40.8	12.6	3.6	1.9	1.1	1.0	4.7	25.6	.0	3.7	94.9	
	TOT %	40.9	12.7	3.7	2.0	1.1	1.0	4.7	25.7	.0	3.7	95.6	
	TOT OBS												10073
	TOT PCT	42.4	13.4	4.1	2.2	1.1	1.1	5.0	26.7	.0	3.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	.0	*	.0	.0	.0	.0	.0	.0	*	*	
	4-10	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	*	.0	.0	.0	.0	*	.0	*	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	*	*	.0	.0	.0	.0	.0		*	
	11-21	*	.0	*	*	.0	.0	.0	.0	.0		*	
	22+	.0	.0	*	*	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	*	*	.0	.0	.0	.0	.0	.0	*	
1<2	0-3	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	*	*	.0	.0	.0	.0	.0	*	.0		*	
	11-21	*	.0	*	*	.0	.0	.0	*	.0		.1	
	22+	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	*	*	*	.0	.0	.0	*	.0	.0	.1	
2<5	0-3	*	*	.0	.0	.0	.0	*	*	.0	*	*	
	4-10	*	.1	*	*	.0	.0	*	*	.0		.2	
	11-21	.1	*	*	*	.0	.0	.0	*	.0		.1	
	22+	*	.0	*	.0	.0	*	.0	*	.0		*	
	TOT %	.1	.1	*	*	.0	*	*	.1	.0	*	.4	
5<10	0-3	.1	*	*	*	*	*	*	.1	.0	.2	.5	
	4-10	.6	.4	.2	.1	*	*	.1	.6	.0		2.1	
	11-21	.6	.2	.1	*	*	*	.1	.3	.0		1.3	
	22+	*	*	*	*	.0	.0	*	*	.0		.1	
	TOT %	1.3	.6	.3	.2	*	.1	.3	.9	.0	.2	4.0	
10+	0-3	2.2	.9	.6	.4	.3	.2	.7	1.6	.0	3.8	10.6	
	4-10	19.7	7.1	2.3	1.2	.6	.7	2.9	14.1	.0		48.6	
	11-21	17.8	4.5	.7	.4	.2	.1	1.0	9.3	.0		33.7	
	22+	1.0	.2	.1	*	*	*	.1	.6	.0		2.0	
	TOT %	40.8	12.8	3.7	2.0	1.1	1.0	4.6	25.6	.0	3.8	95.3	
	TOT OBS												10688
	TOT PCT	42.4	13.5	4.1	2.2	1.1	1.1	4.9	26.6	.0	4.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

AREA 0605 PUERTO VALLARTA
20.5N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >M/B) AND OCCURRENCE OF MM <S/B BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <S/B ANY HGT	TOTAL OBS
00E03	.3	.0	.4	3.6	7.5	4.1	1.9	.6	.4	.8	19.5	80.5	2257
06E09	.5	.1	.2	3.0	6.1	3.6	1.6	.4	.5	.4	16.5	83.5	2044
12E15	.3	.1	.6	3.4	8.5	4.2	1.9	.3	.2	.5	19.8	80.2	1958
18E21	.2	.1	.3	3.6	8.1	4.7	2.9	.6	.4	.6	21.5	78.5	2421
TOT	29	6	34	294	657	362	180	42	32	49	1685	6995	8680
PCT	.3	.1	.4	3.4	7.6	4.2	2.1	.5	.4	.6	19.4	80.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.0	.1	.3	3.4	96.1	2701
06E09	.1	.0	.1	.5	5.4	93.9	2579
12E15	.1	.1	.1	.5	4.8	94.3	2598
18E21	.1	.1	.2	.4	2.9	96.4	2991
TOT	10	5	13	46	445	10350	10869
PCT	.1	*	.1	.4	4.1	95.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >M/B),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/B AND 5+	TOTAL OBS
00E03	.2	.7	4.6	15.6	79.8	2169
06E09	.6	.9	4.3	12.8	82.9	1970
12E15	.3	1.1	4.9	16.0	79.1	1874
18E21	.3	.7	4.5	17.6	77.9	2347
TOT	28	71	381	1305	6674	8360
PCT	.3	.8	4.6	15.6	79.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	*	.0	.0	*	*	.0	3	*
85/89	*	*	*	.2	.3	.2	.1	.0	60	.7
80/84	.0	*	*	.3	1.7	2.6	.8	.1	469	5.5
75/79	.0	*	.1	1.2	4.1	13.7	9.3	2.5	2642	31.0
70/74	.0	*	.2	1.4	7.7	17.2	17.4	6.1	4252	50.0
65/69	.0	.0	*	.5	2.0	3.9	4.3	1.2	1022	12.0
60/64	.0	.0	*	*	.2	.2	.2	.1	59	.7
55/59	.0	.0	.0	.0	*	*	.0	.0	3	*
TOTAL	1	6	35	300	1364	3218	2721	865	8510	100.0
PCT	*	.1	.4	3.5	16.0	37.8	32.0	10.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	*	.0	.0	.0	.0	*	*	.0	.0
	.3	.1	*	*	*	.0	*	.2	.0	*
	1.7	.5	.3	.3	.1	.1	.4	1.7	.0	.3
	12.5	3.7	1.5	.8	.4	.4	1.6	8.7	.0	1.4
	22.7	7.1	1.8	1.0	.5	.5	2.1	12.5	.0	1.7
	5.0	1.9	.6	.2	.1	*	.6	3.0	.0	.6
	.3	.2	*	*	.0	*	.1	.1	.0	*
	*	*	.0	.0	.0	.0	.0	.0	.0	.0
	42.4	13.5	4.2	2.3	1.2	1.1	4.9	26.3	.0	4.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	90	85	81	74	68	64	61	74.5	2762
06E09	86	80	78	72	67	64	59	72.4	2618
12E15	88	79	77	72	66	64	58	71.9	2680
18E21	91	84	81	75	69	66	59	74.9	3073
TOT	91	83	80	73	68	64	58	73.5	11133

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	4.7	20.2	39.1	28.7	7.3	76	2161
06E09	.0	2.7	10.4	35.6	37.7	13.7	79	2104
12E15	*	1.7	11.7	32.1	40.6	14.1	80	2034
18E21	.0	6.6	20.8	43.3	23.1	6.2	75	2365
TOT	1	347	1383	3270	2784	879	77	8664

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
14/16	.0	.0	.0	.0	.0	*	*	.1	.0	8	.0	.1
11/13	.0	.0	.0	.0	.1	*	.1	.1	*	24	.0	.3
9/10	.0	.0	.0	*	.1	.1	.1	.1	*	38	.0	.4
7/8	.0	.0	.0	.1	.1	.2	.2	.1	*	74	.0	.8
6	.0	.0	.0	*	.1	.3	.2	*	.0	62	.0	.7
5	.0	.0	.0	.2	.3	.4	.4	*	.0	125	.0	1.3
4	.0	.0	.1	.2	.6	.9	.4	*	.0	194	.0	2.1
3	.0	.0	*	.1	.7	.8	.2	*	.0	187	*	2.0
2	.0	.0	*	.6	1.7	1.6	.5	*	.0	411	.0	4.4
1	.0	.0	*	.7	2.2	1.5	.3	*	.0	457	.0	4.9
0	.0	*	.3	2.0	4.7	2.5	.4	*	.0	935	*	10.0
-1	.0	.0	.3	2.6	4.8	2.0	.2	.0	.0	933	.1	9.9
-2	.0	*	.8	4.4	6.4	2.1	.1	.0	.0	1301	*	13.9
-3	.0	.0	.6	4.4	4.5	1.6	.1	.0	.0	1053	*	11.3
-4	.0	.1	1.4	5.7	4.8	1.4	.1	.0	.0	1206	*	12.9
-5	*	.1	1.1	4.2	3.2	.9	*	.0	.0	885	.0	9.5
-6	.0	.1	.9	2.9	1.8	.3	*	.0	.0	560	.0	6.0
-7/-8	*	.1	1.3	2.8	1.7	.3	.0	.0	.0	585	.0	6.3
-9/-10	.0	.2	.7	1.0	.4	*	*	.0	.0	225	.0	2.4
-11/-13	*	.1	.2	.2	.1	*	.0	.0	.0	57	.0	.6
-14/-16	.0	*	*	.1	*	.0	.0	.0	.0	17	.0	.2
-17/-19	.0	*	*	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	5	75	740	2966	3593	1585	317	54	7	9342	19	9323
PCT	.1	.8	7.9	31.7	38.5	17.0	3.4	.6	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.7	.2	.0	.C	.0	3.6
1-2	1.0	11.2	4.2	.0	.C	.0	16.4
3-4	.1	6.0	8.7	.2	.0	.0	15.C
5-6	.0	.9	4.2	.3	.C	.0	5.4
7	.0	.2	1.7	.4	*	.0	2.3
8-9	.0	*	.7	.2	.C	.0	.9
10-11	.0	.0	.2	.0	.C	.0	.2
12	.0	.0	.0	*	.C	.0	*
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	21.0	19.8	1.1	*	.0	43.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	.0	.0	.0	.0	1.3
1-2	.6	4.2	1.8	.0	.0	.0	6.6
3-4	.1	2.1	2.7	*	.C	.0	4.9
5-6	.0	.4	1.0	*	.0	.C	1.5
7	.0	*	.3	.1	.C	.0	.4
8-9	.0	.0	*	*	.C	.0	*
10-11	.0	.0	.C	.0	.C	.0	.0
12	.C	.0	.0	.0	*	.C	*
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.0	.C	.C
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.C	.0
26-32	.0	.0	.0	.0	.0	.C	.0
33-40	.0	.0	.0	.0	.0	.C	.0
41-48	.0	.0	.0	.0	.0	.C	.0
49-60	.0	.0	.0	.0	.0	.C	.0
61-70	.0	.0	.0	.0	.0	.C	.0
71-86	.0	.0	.0	.0	.0	.C	.0
87+	.0	.0	.0	.0	.0	.C	.0
TOT PCT	.9	7.7	5.8	.2	*	.0	14.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	*	.0	.C	.0	1.0
1-2	.3	2.1	.1	.0	.0	.0	2.5
3-4	.0	.5	.3	.0	.C	.0	.8
5-6	.0	.0	.0	.0	.C	.0	.0
7	.C	.0	*	.0	.C	.0	*
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.5	3.3	.5	.0	.C	.0	4.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.C	.0	.5
1-2	.2	1.1	.1	.0	.C	.C	1.4
3-4	.0	.1	.1	.1	.C	.0	.2
5-6	.0	.0	*	*	.C	.C	.1
7	.0	.0	.0	.0	.C	.0	.0
8-9	.0	.0	.C	.C	.C	.0	.0
10-11	.0	.0	.C	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.C	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.C	.0	.0	.0	.0
33-40	.0	.0	.0	.C	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.C	.C	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.6	.2	.1	.C	.0	2.3

PERIOD: (OVER-ALL) 1963-1979 AREA 0005 PUERTO VALLARTA
20.5N 107.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	.1	.0	.0	.C	.0	.2
1-2	.1	.4	•	.0	.C	.0	.6
3-4	.0	.1	.2	.0	.C	.0	.3
5-6	.0	.0	.0	.0	.C	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.2	.6	.2	.0	.C	.0	1.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.1	.0	.C	.0	.7
1-2	.2	1.0	.3	.0	.C	.0	1.5
3-4	.1	.5	.2	.0	.C	.0	.8
5-6	.0	.1	.0	.0	.C	.0	.1	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.5	2.2	1.1	.0	.C	.0	4.0

SSW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.5	.1	.0	.C	.C	2.2
1-2	.6	7.9	2.3	.0	.C	.0	10.8
3-4	.3	3.5	4.C	•	.C	.C	7.9
5-6	.0	.6	2.2	•	.C	.0	2.8
7	.0	.3	.8	.2	.C	.0	1.2
8-9	.0	•	.1	•	.C	.0	.1
10-11	.0	.0	.1	•	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	•	.0	.C	.0	•
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.C	.C
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	1.5	13.9	9.6	.3	.C	.0	25.4

TOTAL PCT
2.2
10.8
7.9
2.8
1.2
.1
.2
.0
•
.0
.0
.0
.0
.0
.0
.0
.0
25.4
96.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.0	7.0	.5	.0	.0	.0	13.4	
1-2	3.3	28.7	8.8	.0	.0	.0	40.7	
3-4	.7	12.8	16.4	.4	.0	.0	30.2	
5-6	.0	2.1	7.4	.4	.0	.0	10.0	
7	.0	.5	2.8	.6	•	.0	4.0	
8-9	.0	.1	.8	.2	.0	.0	1.1	
10-11	.0	.0	.2	•	.0	.0	.3	
12	.0	.0	.0	•	•	.0	.1	
13-16	.0	.0	•	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.C	.C	.0	
49-60	.0	.0	.0	.0	.C	.0	.0	
61-70	.0	.0	.0	.0	.C	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.0	51.3	36.9	1.8	.1	.0	100.0	2096

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	5.1	22.4	10.6	7.8	2.2	.6	.2	.1	•	•	.0	.0	.0	.0	.0	.0	.0	.C	.0	4195	1
6-7	.2	2.4	7.5	6.2	2.5	1.0	.4	.2	.1	•	•	.0	.0	.0	.0	.0	.0	.0	.0	1501	4
8-9	.1	.7	1.9	2.2	1.4	.5	.2	.1	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	522	5
10-11	.0	.7	.9	.7	.2	.3	.2	•	•	.0	•	•	.0	.0	.0	.0	.0	.0	.0	228	5
12-13	.0	.0	.0	.5	.3	.1	.1	•	•	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	140	5
>13	.0	•	.0	.4	.2	.1	.1	.0	•	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	61	7
INDFT	4.8	1.9	1.2	.9	.3	.2	.1	•	•	.0	.C	.0	.0	.0	.0	.C	.0	.C	.0	665	2
TOTAL	750	2860	2263	1365	529	202	98	28	20	4	4	1	0	0	0	0	0	0	0	7332	5
PCT	10.1	28.1	30.9	18.6	7.2	2.8	1.3	.4	.3	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.4	*	.2	.0	.0	.0	.0	.6	.3	.1	.0	.0	.5	.0	.0	98.5
NE	.5	.4	1.1	.0	.0	.0	.0	2.0	.6	.1	.0	.0	.6	.0	.0	96.7
E	2.6	.0	1.2	.0	.0	.0	.0	3.4	1.0	.4	.0	.0	.7	.0	.0	93.0
SE	3.2	.0	.7	.0	.0	.0	.0	4.0	.9	.0	.0	.6	.0	.0	.0	94.5
S	2.1	.0	.6	.0	.0	.0	.0	2.7	.0	1.7	.0	.0	.8	.0	.0	94.8
SW	.2	.0	.0	.0	.0	.0	.0	.2	1.6	1.0	.0	.0	.0	.0	.0	97.2
W	.1	.0	.1	.0	.0	.0	.0	.2	.1	.4	.0	.0	.6	.0	.0	98.8
NW	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.0	.0	.4	.0	.0	99.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.7	.0	.9	.0	.0	98.0
TOT PCT	.4	.1	.3	.0	.0	.0	.0	.7	.3	.1	*	*	.5	.0	.0	98.3
TOT OBS:	9821															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.4	.2	.3	.0	.0	.0	.0	.8	.3	*	.0	.0	.3	.0	.0	98.5
06E09	.4	*	.4	.0	.0	.0	.0	.8	.3	.3	.1	.0	.7	.0	.0	97.9
12E15	.4	.1	.2	.0	.0	.0	.0	.7	.3	.2	.0	.0	.6	.0	.0	98.2
18E21	.5	.1	.1	.0	.0	.0	.0	.7	.4	.1	*	*	.5	.0	.0	98.3
TOT PCT	.4	.1	.3	.0	.0	.0	.0	.7	.3	.1	*	*	.5	.0	.0	98.2
TOT OBS:	10048															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.1	18.3	15.7	1.6	.1	.0		37.9	11.3	38.3	35.3	36.2	31.8	36.6	37.8	40.1	42.5
NE	.5	5.2	2.6	.2	*	.0		8.6	9.7	7.2	10.9	7.9	7.3	9.3	9.3	9.8	8.5
E	.5	1.6	.4	*	*	.0		2.6	7.6	2.0	2.2	2.4	.4	3.C	2.1	3.3	.9
SE	.5	1.1	.2	.C	.0	.0		1.8	6.4	1.6	1.1	1.5	1.1	1.4	1.6	2.4	4.3
S	.3	.7	.1	*	*	.0		1.2	7.5	1.4	.8	1.1	.7	.9	1.1	1.3	2.1
SW	.3	.8	.2	*	*	.0		1.3	7.C	2.4	1.9	1.C	1.1	.8	.6	1.1	1.2
W	1.0	4.1	1.6	.1	.0	.0		6.8	8.1	8.8	3.4	7.8	8.6	6.5	7.5	6.9	1.8
NW	2.0	19.0	13.1	.9	.1	.0		35.1	10.4	36.8	37.2	36.4	45.4	35.1	37.0	31.3	36.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.C	.0
CALM	4.8							4.8	.C	3.5	7.1	5.8	3.6	4.2	3.0	4.2	1.8
TOT OBS	1256	5377	3588	304	19	0	10544		9.8	2487	182	2313	137	2191	305	2765	164
TOT PCT	11.9	51.0	34.0	2.9	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	8.4	23.2	5.9	.3	*		37.9	11.3	38.1	36.0	36.7	40.4
NE	2.9	4.8	.9	*	.0		8.6	9.7	7.6	7.8	9.3	9.5
E	1.3	1.3	.1	*	.0		2.6	7.6	2.1	2.3	2.9	3.1
SE	1.1	.7	*	.0	.0		1.8	6.4	1.6	1.5	1.6	2.5
S	.7	.4	.1	*	.0		1.2	7.5	1.4	1.0	1.0	1.4
SW	.8	.5	*	*	.0		1.3	7.0	2.4	1.0	.7	1.1
W	3.1	3.3	.4	*	.0		6.8	8.1	8.5	7.8	6.6	6.2
NW	9.3	21.6	4.0	.2	*		35.1	10.4	36.9	36.9	35.5	31.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.C	.C
CALM	4.8						4.8	.0	3.7	5.6	5.8	4.1
TOT OBS	3402	5875	1197	66	*	10544		9.8	2669	2450	2496	2929
TOT PCT	32.3	55.7	11.4	.6	*		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.7	6.4	48.1	37.9	3.6	.3	.0	10.5	100.0	2669
06&09	5.6	6.4	51.3	33.6	2.7	.1	.0	9.7	100.0	2650
12&15	5.8	7.3	53.0	31.4	2.3	.2	.0	9.3	100.0	2496
18&21	4.1	8.3	51.6	32.9	2.9	.2	.0	9.7	100.0	2929
TOT	502	794	5377	3508	304	19	0	9.8		10544
PCT	4.8	7.2	51.0	34.0	2.9	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	22.4	6.7	7.9	2.4		2.6
NE	4.3	1.9	1.8	.9		3.0
E	1.2	.9	.6	.4		3.6
SE	.5	.4	.4	.3		4.0
S	.5	.3	.3	.1		3.2
SW	.7	.2	.3	.1		2.7
W	3.9	1.2	1.3	.3		2.6
NW	20.0	6.2	6.7	1.7		2.5
VAR	.0	.0	.0	.0		.0
CALM	2.9	.7	.8	.3		2.3
TOT OBS	4511	1408	1591	516	7986	2.6
TOT PCT	56.5	17.6	19.9	6.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.1	*	.1	.7	1.8	1.0	.6	.1	.1	.3	34.0	
NE	*	.0	.0	.2	.7	.4	.2	*	*	.1	6.8	
E	*	.0	*	.1	.2	.1	*	*	*	*	2.0	
SE	.0	.0	.1	.1	.1	.1	*	*	*	.0	1.4	
S	.0	.0	.0	*	.1	*	*	*	.0	.0	1.1	
SW	.0	*	.0	*	.1	*	*	.0	*	*	1.1	
W	*	.0	*	.1	.4	.3	.1	.1	*	*	5.7	
NW	*	*	.1	.5	1.8	1.1	.7	.2	.2	.1	29.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	.1	.3	.1	.1	*	.1	*	4.1	
TOT OBS	14	3	21	156	426	249	138	40	33	48	6858	7986
TOT PCT	.2	*	.3	2.0	5.3	3.1	1.7	.5	.4	.6	85.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5/16	: OR >0
: OR >6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: OR >5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >3500	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
: OR >2000	6.0	6.2	6.3	6.3	6.3	6.3	6.3	6.3
: OR >1000	11.0	11.5	11.6	11.6	11.6	11.6	11.6	11.6
: OR >600	12.7	13.3	13.5	13.5	13.5	13.5	13.5	13.5
: OR >300	12.8	13.6	13.7	13.7	13.7	13.7	13.7	13.7
: OR >150	12.8	13.6	13.7	13.8	13.8	13.8	13.8	13.8
: OR > 0	13.0	13.7	13.9	13.9	13.9	13.9	13.9	13.9
TOTAL	1052	1113	1126	1130	1130	1130	1130	1130

TOTAL NUMBER OF OBS: 8110

PCT FREQ NM <5/8: 86.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
40.5	17.3	12.6	9.2	6.0	3.8	4.0	3.1	3.3	.1	8570

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PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1959-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	TOT %	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	*	.0	.0	*	*	*	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.0	.0	*	*	*	.0	*	.0	.0	*	
2<5	PCP	*	*	*	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.1	*	.0	.0	.0	.0	*	.1	.0	*	.2	
	TOT %	.1	*	*	.0	.0	.0	*	.1	.0	*	.3	
5<10	PCP	.1	*	*	*	.0	.0	.0	*	.0	.0	.2	
	NO PCP	1.3	.2	.1	.1	*	.1	.3	1.0	.0	.2	3.2	
	TOT %	1.3	.3	.2	.1	*	.1	.3	1.0	.0	.2	3.4	
10+	PCP	.1	.1	*	*	*	.0	*	.1	.0	.0	.4	
	NO PCP	36.7	8.0	2.4	1.5	1.2	1.2	6.5	33.9	.0	4.4	95.8	
	TOT %	36.8	8.1	2.4	1.6	1.2	1.2	6.5	34.0	.0	4.4	96.2	
	TOT OBS												9769
	TOT PCT	38.3	8.4	2.6	1.7	1.2	1.3	6.8	35.1	.0	4.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	*	*	
	4-10	*	.0	.0	.0	.0	.0	*	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	*	*	.0	.0	*	*	.0	*	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	4-10	.0	.0	.0	*	*	*	*	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	.0	*	*	*	*	*	.0	.0	.1	
2<5	0-3	*	.0	.0	.0	.0	*	.0	*	.0	*	*	
	4-10	*	*	*	.0	.0	.0	*	*	.0		.1	
	11-21	*	*	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.1	*	*	.0	.0	*	*	.1	.0	*	.4	
5<10	0-3	.1	*	*	*	*	.0	.1	.1	.0	.2	.5	
	4-10	.5	.1	.1	.1	*	*	.1	.5	.0		1.4	
	11-21	.6	.1	*	*	.0	*	.1	.4	.0		1.3	
	22+	.1	.0	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	1.3	.3	.2	.1	*	.1	.3	1.0	.0	.2	3.5	
10+	0-3	2.0	.5	.4	.4	.3	.3	.9	1.8	.0	4.5	11.1	
	4-10	17.9	5.0	1.5	1.0	.7	.7	4.0	18.6	.0		49.3	
	11-21	15.2	2.5	.4	.2	.1	.2	1.5	12.7	.0		32.8	
	22+	1.6	.2	*	.0	.1	*	.1	.9	.0		2.9	
	TOT %	36.6	8.2	2.4	1.6	1.2	1.2	6.4	34.0	.0	4.5	96.1	
	TOT OBS												10250
	TOT PCT	38.1	8.5	2.5	1.7	1.2	1.3	6.8	35.2	.0	4.7	100.0	

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PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >0/01 AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.1	.0	.1	1.6	5.6	3.2	1.6	.6	.5	.8	14.1	85.9	2209
06E09	.1	.1	.1	1.5	3.5	2.2	1.4	.2	.3	.5	10.1	89.9	2021
12E15	.3	.0	.4	2.3	6.2	3.C	1.5	.2	.3	.4	14.5	85.5	1931
18E21	.1	*	.3	2.0	5.1	3.4	2.0	.9	.5	.6	15.0	85.0	2326
TOT	14	3	21	159	433	253	138	61	36	49	1165	7342	8487
PCT	.2	*	.2	1.9	5.1	3.0	1.6	.5	.4	.6	13.5	86.5	100.C

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	.0	.2	.4	2.6	96.8	2650
06E09	.1	.0	.0	.4	3.6	95.9	2471
12E15	*	.0	.1	.4	5.0	94.4	2479
18E21	.1	.0	*	.2	2.6	97.0	2877
TOT	7	0	8	39	360	10063	10477
PCT	.1	.0	.1	.4	3.4	96.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >0/01,BY HOUR

HOUR (GMT)	<150 <5OYD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 ANC 5+	TOTAL OBS
00E03	.1	.3	2.1	12.6	85.3	2117
06E09	.1	.4	2.2	8.4	89.4	1932
12E15	.3	.7	3.4	11.6	85.C	1841
18E21	.1	.5	2.7	12.9	84.4	2225
TOT	13	38	207	932	6971	8110
PCT	.2	.5	2.6	11.5	86.C	100.C

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	*	*	*	.0	.0	*	6	.1
85/89	.0	*	*	.1	.1	.1	.0	*	38	.5
80/84	.0	*	*	.3	1.3	1.5	.4	.3	321	3.9
75/79	.0	*	.2	1.2	4.7	11.1	5.6	1.6	2011	24.4
70/74	.0	*	.3	1.7	9.8	18.6	14.9	4.9	4134	50.1
65/69	.C	*	.1	.6	3.3	7.0	5.9	2.3	1588	19.3
60/64	.0	.0	.0	.1	.4	.5	.5	.2	144	1.7
55/59	.0	.C	.C	.0	.0	.0	.0	*	3	*
TOTAL	0	10	44	341	1623	3204	2282	767	8245	100.0
PCT	.0	.1	.6	4.1	19.7	38.9	27.5	9.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	*	.8	.0	.0	.0	*	.0	.C
.1	*	*	*	*	.0	*	.2	.0	*
.8	.2	.2	.3	.2	.1	.3	1.6	.0	.3
8.8	1.7	.7	.5	.4	.4	1.7	8.8	.0	1.4
20.1	4.7	1.2	.7	.4	.6	3.2	17.0	.0	2.1
8.1	1.6	.4	.2	.1	.2	1.3	6.6	.0	.8
.7	.2	*	*	*	*	.1	.7	.0	*
*	.0	.0	.0	.0	.0	.0	*	.0	.C
38.6	8.5	2.5	1.8	1.2	1.2	6.7	34.8	.0	4.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	95	86	81	73	68	65	59	73.9	2698
06E09	82	79	77	71	66	63	59	71.2	2500
12E15	96	79	76	71	65	62	57	70.7	2562
18E21	92	84	81	74	68	64	60	74.1	2976
TOT	95	83	79	72	66	63	57	72.6	10716

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	6.6	24.9	42.4	20.3	6.1	74	2171
06E09	.0	2.2	13.1	36.2	35.3	13.1	78	2019
12E15	.0	2.4	12.C	35.8	36.6	14.C	79	1970
18E21	.0	7.6	26.5	41.5	19.3	5.C	73	2262
TOT	C	402	1047	3283	2915	785	76	8422

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PERIOD: (PRIMARY) 1952-1979
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	*	.0	*	2	.0	*
14/16	.0	.0	.0	.0	*	*	*	.1	*	*	15	.0	.2
11/13	.0	.0	*	*	*	.1	.1	.2	.1	.0	37	.0	.4
9/10	.0	.0	*	*	*	.2	.2	.1	.0	.0	49	.0	.5
7/8	.0	.0	.0	.1	.3	.4	.3	*	.0	.0	101	.0	1.1
6	.0	.0	.0	.1	.3	.3	.2	*	.0	.0	82	.0	.9
5	.0	.0	*	.2	.5	.5	.3	*	.0	.0	143	.0	1.6
4	.0	.0	.1	.3	.9	.8	.3	*	.0	.0	230	.0	2.5
3	.0	.0	.1	.4	1.0	.9	.3	*	.0	.0	246	.0	2.7
2	*	*	.2	1.1	2.1	1.3	.3	*	.0	.0	459	.0	5.0
1	.0	*	.3	1.1	2.3	1.2	.2	.0	.0	.0	458	.0	5.0
0	.0	.1	.5	3.7	4.8	1.9	.2	.0	.0	.0	1013	*	11.1
-1	*	*	.6	3.7	4.5	1.3	.1	*	.0	.0	941	*	10.3
-2	*	.1	1.4	6.0	5.2	1.6	.1	.0	.0	.0	1313	*	14.3
-3	.0	.1	1.3	5.3	3.7	.9	*	.0	.0	.0	1037	.0	11.3
-4	.0	.2	2.3	5.0	3.1	.5	*	*	.0	.0	1027	.0	11.2
-5	*	.2	1.9	4.0	2.0	.3	.0	.0	.0	.0	774	.0	8.4
-6	.0	.2	1.5	2.1	1.1	.1	*	.0	.0	.0	463	.0	5.1
-7/-8	.0	.4	1.7	2.3	1.0	.1	.0	.0	.0	.0	503	.0	5.5
-9/-10	*	.3	.7	.7	.3	*	.0	.0	.0	.0	183	.0	2.0
-11/-13	*	.2	.2	.2	.1	.0	.0	.0	.0	.0	57	.0	.6
-14/-16	.0	.0	.1	*	.0	.0	.0	.0	.0	.0	7	.0	.1
-17/-19	.0	.0	*	*	.0	.0	.0	.0	.0	.0	2	.0	*
-20/-22	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	8	167	1177	3316	3052	1139	229	95	7	3	9143	3	9140
PCT	.1	1.8	12.9	36.3	33.4	12.5	2.5	1	.1	*	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	2.9	.1	.0	.0	.0	4.0
1-2	.7	11.7	3.4	.0	.0	.0	15.8
3-4	.2	5.7	7.7	.2	.0	.0	13.8
5-6	.0	1.0	4.4	.2	.1	.0	5.7
7	.0	.1	1.3	.3	.0	.0	1.6
8-9	.0	.0	.2	.1	.0	.0	.3
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	*	*	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	21.4	17.1	.9	.1	.0	41.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.7	.0	.0	.0	.0	1.0
1-2	.3	3.0	1.0	.0	.0	.0	4.3
3-4	*	1.4	1.1	.1	.0	.0	2.6
5-6	.0	.3	.7	*	.0	.0	.9
7	.0	*	.2	*	.0	.0	.2
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.4	2.9	.1	.0	.0	9.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.3	.0	.0	.0	.0	.6
1-2	.1	.8	*	.0	.0	.0	.9
3-4	.0	.4	.1	.0	.0	.0	.6
5-6	*	.0	*	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.5	.4	.0	.0	.0	2.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	*	.0	.0	.0	.6
1-2	.1	.6	*	.0	.0	.0	.8
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.0	.3	.0	.0	.0	1.6

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.2
1-2	.1	.2	.0	.0	.0	.0	.3
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	*	.1	.0	.0	.0	.2
7	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.5	.1	*	.0	.0	.9

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.5	.2	.0	.0	.0	.0	3.5
1-2	9.8	3.0	.0	.0	.0	.0	13.4
3-4	9.5	6.1	.1	.0	.0	.0	18.8
5-6	.6	2.8	.2	*	.0	.0	3.6
7	.3	.6	*	*	.0	.0	1.0
8-9	.1	.1	.0	.0	.0	.0	.3
10-11	.0	*	.0	*	.0	.0	.1
12	.0	*	.0	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	17.9	12.8	.3	.1	.0	32.8	99.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.4	7.6	.3	.0	.0	.0	16.3	
1-2	2.7	28.0	7.7	.0	.0	.0	38.1	
3-4	.5	12.8	16.0	.4	.0	.0	29.7	
5-6	.1	2.1	8.3	.4	.1	.0	11.0	
7	.0	.5	2.0	.4	*	.0	2.9	
8-9	.0	.1	.3	.1	.0	.0	.6	
10-11	.0	.0	*	.0	*	.0	.1	
12	.0	.0	*	.0	.0	.0	*	
13-16	.0	.0	.0	*	*	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.8	51.0	34.7	1.4	.2	.0	100.0	2110

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.3	19.7	20.6	7.0	1.8	.9	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3952	3
6-7	.2	2.4	7.2	6.6	2.7	1.1	.5	.1	.1	*	.0	*	.0	.0	.0	.0	.0	.0	.0	1402	5
8-9	.1	.8	1.9	2.0	1.4	.5	.2	.1	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	584	5
10-11	.0	1.0	.9	.7	.6	.3	.1	.1	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.0	263	5
12-13	.0	.0	.0	.4	.3	.1	.1	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	5
>13	.0	.0	.0	.4	.2	.1	*	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	7
INDET	4.9	1.8	2.0	.0	.4	.2	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	706	2
TOTAL	734	1812	2366	1259	527	270	87	25	25	11	1	1	0	0	0	0	0	0	0	7080	3
PCT	10.4	25.6	33.4	17.8	7.4	3.8	1.2	.4	.4	.2	*	*	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

AREA CODE PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.1	.1	.0	.0	.0	•	.2	.0	.1	.1	.0	.5		.0	99.1
NE	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.5		.0	99.1
E	2.6	.5	1.6	.0	.0	.0	.0	3.7	1.4	.0	.0	.0	.5		.0	94.3
SE	3.3	1.3	.0	.0	.0	.0	.0	4.6	2.8	.7	.0	.0	2.1		.7	89.1
S	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.9	.0	.0	.6		.0	97.1
SW	.6	.0	.6	.0	.0	.0	.0	1.1	.6	.0	.0	.0	.1		.0	97.7
W	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.3	.0	1.0		.0	98.5
NW	.1	•	.1	.0	.0	.0	.0	.2	.2	.1	.1	.0	.6		•	98.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.0	2.4		.0	96.2
TOT PCT	.1	.1	.1	.0	.0	.0	•	.3	.2	.1	.1	.0	.7		•	98.6
TOT OBS: 11127																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00E03	.2	.1	.1	.0	.0	.0	.0	.9	.1	•	.1	.0	.8		.0	98.6
06E09	.1	•	.1	.0	.0	.0	•	.3	.2	.2	.1	.0	.5		.0	98.7
12E15	.1	.1	.1	.0	.0	.0	.0	.3	.2	.2	.2	.0	.6		.0	98.5
18E21	.1	.1	.1	.0	.0	.0	.0	.2	.2	.0	.2	.0	.9		.1	98.4
TOT PCT	.1	.1	.1	.0	.0	.0	•	.3	.2	.1	.1	.0	.7		•	98.6
TOT OBS: 11321																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.5	13.5	11.4	1.C	.1	.0		27.6	11.C	27.7	29.1	25.9	21.0	26.5	29.3	3C.6	21.5
NE	.6	2.6	1.1	.1	.0	.0		4.3	8.6	3.5	5.4	4.C	1.8	4.8	6.7	4.6	4.7
E	.3	1.0	.2	•	.0	.0		1.7	7.4	1.3	1.1	1.4	.6	1.9	1.1	2.2	.8
SE	.1	.0	.2	•	.0	.0		1.4	7.3	1.1	.6	.0	.6	1.1	1.9	2.2	1.0
S	.3	.0	.1	.C	.0	.0		1.2	6.6	1.5	1.2	.0	.9	.0	1.1	1.4	1.0
SW	.4	1.0	.3	•	.0	.0		1.6	7.2	1.6	.7	1.3	2.7	1.4	1.3	2.2	1.9
W	1.3	7.6	3.3	.2	.0	.0		12.5	8.8	13.2	10.7	13.2	16.1	12.0	9.8	11.7	15.3
NW	2.3	23.3	19.2	1.2	•	.0		46.0	10.8	47.3	47.2	48.2	57.1	46.1	50.8	41.5	5C.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.C	.0	.0	.C	.C	.0
CALM	3.9							3.9	.C	2.9	3.9	4.4	1.2	5.4	2.1	3.4	3.1
TOT OBS	1327	6129	4339	299	9	0	12103		9.9	2811	203	2677	168	2547	331	3171	195
TOT PCT	11.0	50.6	35.9	2.5	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.6	16.9	3.9	.2	.C		27.6	11.0	27.7	25.6	26.3	3C.1
NE	1.8	2.1	.3	•	.0		4.3	8.6	3.6	3.9	5.C	4.6
E	.9	.6	.1	•	.0		1.7	7.4	1.3	1.3	1.8	2.1
SE	.8	.5	.1	•	.0		1.4	7.3	1.1	.8	1.2	2.2
S	.7	.4	•	.0	.0		1.2	6.6	1.5	.8	.8	1.5
SW	.9	.7	.1	.0	.C		1.6	7.2	1.5	1.4	1.4	2.2
W	4.8	6.8	.9	•	.C		12.5	8.8	13.C	13.2	11.8	11.9
NW	18.2	20.1	5.6	.1	.C		46.C	10.8	47.3	48.7	46.6	42.C
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.C
CALM	3.9						3.9	.0	3.C	4.2	5.C	3.4
TOT OBS	3712	7826	1320	45	0	12103		9.9	3814	2845	2878	2566
TOT PCT	30.7	64.1	10.9	.4	.0		100.C		1CC.0	100.0	100.C	1CC.C

MARCH

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.0	6.4	46.6	40.4	3.5	.1	.0	10.6	100.0	3019
06&09	4.2	6.5	50.5	37.0	1.9	.0	.0	9.9	100.0	2845
12&15	5.0	7.3	52.9	32.6	2.1	.1	.0	9.5	100.0	2870
18&21	3.4	6.1	52.5	35.5	2.5	.1	.0	9.6	100.0	3386
TOT	467	840	6129	4339	299	9	0	9.9		12120
PCT	3.9	7.1	50.6	35.9	2.5	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-6	7-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	10.0	5.0	5.7	1.3		2.5
NE	2.3	.7	.8	.2		2.5
E	.9	.6	.9	.2		3.2
SE	.5	.2	.3	.2		3.8
S	.5	.2	.3	.1		3.6
SW	.7	.4	.6	.1		3.3
W	6.5	2.6	3.0	.7		2.9
NW	29.6	8.5	10.3	2.5		2.7
VAR	.0	.0	.0	.0		.0
CALM	2.3	.6	.6	.2		2.3
TOT OBS	4987	1692	1993	518	9190	2.7
TOT PCT	54.3	18.4	21.7	5.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 499	500 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	•	•	.1	.4	1.3	.8	.3	.1	.1	.1	29.6	
NE	•	.0	•	.1	.3	.1	.1	•	•	•	3.5	
E	•	.0	•	.1	.1	.1	•	•	•	.0	1.5	
SE	•	.0	•	.1	•	•	.1	•	•	.0	.9	
S	.0	.0	•	.1	.1	•	•	•	•	.0	•	.9
SW	.0	.0	.0	•	.1	.1	•	•	•	.0	•	1.3
W	•	•	•	.3	.7	.5	.2	.1	.1	.1	10.6	
NW	.1	•	.2	1.0	2.9	1.5	.7	.2	.3	.1	38.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	•	.0	.0	.1	.2	.1	•	.0	.0	•	3.3	
TOT OBS	17	5	30	103	521	300	127	49	48	54	7946	919^
TOT PCT	.2	.1	.3	2.1	5.7	3.3	1.4	.5	.5	.6	89.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : CR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >0&0	: OR >0
: OR >6500	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
: OR >5000	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
: OR >3500	2.8	3.0	3.0	3.1	3.1	3.1	3.1	3.1
: CR >2000	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3
: OR >1000	11.6	11.9	12.0	12.0	12.0	12.0	12.0	12.0
: OR >600	13.2	13.9	14.0	14.0	14.0	14.0	14.0	14.1
: OR >300	13.5	14.3	14.4	14.4	14.4	14.4	14.4	14.4
: OR >150	13.5	14.3	14.4	14.4	14.4	14.4	14.4	14.4
: OR > 0	13.7	14.5	14.6	14.6	14.6	14.6	14.6	14.6
TOTAL	1269	1345	1355	1357	1357	1358	1358	1359

TOTAL NUMBER OF OBS: 9281

PCT FREQ HH <5/8: 85.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
41.2	15.9	12.7	9.0	6.4	4.0	4.4	3.5	2.9 .1	9773

PERIOD: (PRIMARY) 1953-1979
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	.0	.0	*	*	.0	.0	.0	*	.0	.0	*	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	*	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	TOT %	*	.0	.0	.0	.0	.0	*	*	.0	.0	*	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
	TOT %	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
2<5	PCP	*	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.1	*	*	*	.0	.0	*	.1	.0	*	.2	
	TOT %	.1	*	*	*	.0	.0	*	.1	.0	*	.2	
5<10	PCP	*	.0	*	*	.0	.0	.0	*	.0	.0	.1	
	NO PCP	1.1	.2	.1	.1	.1	.1	.4	1.8	.0	.2	4.0	
	TOT %	1.1	.2	.1	.1	.1	.1	.4	1.9	.0	.2	4.1	
10+	PCP	*	.0	*	*	.0	*	*	*	.0	.0	.1	
	NO PCP	26.2	3.8	1.6	1.2	1.1	1.5	12.0	90.5	.0	3.6	95.6	
	TOT %	26.2	3.8	1.6	1.2	1.1	1.6	12.0	90.5	.0	3.6	95.6	
	TOT OBS												11071
	TOT PCT	27.3	4.1	1.7	1.4	1.2	1.6	12.4	96.5	.0	3.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	*	*	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	*	*	.0	.0	.0	*	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	.0	.0	.0	*	*	.0	.0	*	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	*	.0	.0	.0	.0	.0	*	.0		*	
	11-21	*	.0	*	*	*	.0	.0	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	*	.0	.0	.1	.0	.0	.1	
2<5	0-3	.0	*	.0	.0	.0	.0	*	.0	.0	*	*	
	4-10	.1	*	.0	*	.0	.0	*	.1	.0		.1	
	11-21	*	*	*	*	.0	.0	*	.1	.0		.2	
	22+	*	.0	*	*	.0	.0	0	*	.0		*	
	TOT %	.1	*	*	*	.0	.0	*	.2	.0	*	.4	
5<10	0-3	.1	.1	*	*	*	*	*	.2	.0	.2	.6	
	4-10	.5	.1	*	*	*	*	.2	.9	.0		2.0	
	11-21	.4	*	*	*	*	*	.1	.6	.0		1.3	
	22+	.1	.0	*	*	.0	.0	*	.1	.0		.2	
	TOT %	1.0	.2	.1	.1	.1	.1	.4	1.8	.0	.2	4.0	
10+	0-3	1.4	.5	.3	.3	.3	.4	1.3	2.1	.0	3.6	10.2	
	4-10	12.6	2.2	1.0	.7	.7	1.0	7.3	22.3	.0		48.2	
	11-21	11.8	1.0	.2	.2	.1	.2	3.3	10.6	.0		36.7	
	22+	1.0	.1	*	*	.0	*	.2	1.1	.0		2.4	
	TOT %	26.3	3.8	1.6	1.2	1.1	1.6	12.0	90.2	.0	3.6	95.4	
	TOT OBS												11713
	TOT PCT	27.4	4.0	1.7	1.3	1.2	1.7	12.5	94.3	.0	3.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,HH >4/8) AND OCCURRENCE OF HH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	HH <5/8 ANY HGT	TOTAL OBS
00&03	.1	.1	.2	2.1	9.8	2.6	1.0	.6	.7	.6	12.8	87.2	2505
06&09	.2	.0	.3	1.3	9.2	2.8	1.2	.9	.3	.6	11.3	88.7	2314
12&15	.9	.1	.3	2.6	7.5	3.6	1.2	.9	.9	.6	17.1	82.9	218
18&21	.1	•	.9	2.0	5.6	3.6	1.9	.6	.5	.6	15.9	84.6	2672
TOT	19	5	31	194	531	302	120	49	48	60	1367	8307	9674
PCT	.2	.1	.3	2.0	5.5	3.1	1.3	.5	.5	.6	14.1	85.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	•	.0	.2	.3	3.9	96.1	2961
06&09	.1	.0	•	.9	4.6	95.0	2834
12&15	.1	•	.1	.5	5.1	94.1	2819
18&21	.0	•	.1	.3	3.4	96.2	3294
TOT	6	2	11	43	486	11360	11908
PCT	.1	•	.1	.9	4.1	95.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,HH >4/8),BY HOUR

HOUR (GMT)	<150 <SOYD	<600 <1	<1000 <5	1000+ AND5+	HH <5/8 AND 5+	TOTAL OBS
00&03	.1	.5	2.8	10.7	86.5	2406
06&09	.3	.5	2.2	9.7	88.1	2229
12&15	.9	.9	4.0	14.0	82.0	2094
18&21	.2	.7	2.9	13.2	83.9	2552
TOT	21	58	272	1105	7904	9281
PCT	.2	.6	2.9	11.9	85.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	•	•	•	.0	.0	.0	5	.1
85/89	.0	•	•	.1	.1	.1	•	.0	32	.3
80/84	.0	.0	.1	.3	1.3	1.1	.3	.1	295	3.2
75/79	.0	•	.2	1.2	4.3	10.0	4.7	1.3	2014	21.7
70/74	.0	.0	.1	1.5	8.9	18.5	16.8	6.0	4811	51.8
65/69	.0	.0	•	.7	2.4	7.0	8.4	2.9	1998	21.5
60/64	.0	.0	.0	•	.2	.3	.7	.3	136	1.5
55/59	.0	.0	.0	.0	.0	.0	•	.0	1	•
TOTAL	0	3	40	357	1685	3429	2867	991	9292	100.0
PCT	.0	•	.4	3.8	17.3	36.9	30.9	10.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
•	.0	.0	.0	.0	.0	•	•	.0	•
.1	.0	.0	•	.0	•	.1	.2	.0	•
.9	.1	.1	.1	.1	.1	.4	1.3	.0	.1
5.6	.9	.4	.4	.4	.4	2.7	9.8	.0	1.0
15.5	2.1	.8	.5	.5	.7	6.0	23.7	.0	2.0
5.7	1.0	.3	.1	.1	.4	3.0	10.1	.0	.7
.2	•	.0	•	.0	•	.3	.8	.0	.1
•	•	.0	.0	.0	.0	.0	.0	.0	.0
28.1	4.1	1.6	1.2	1.1	1.6	12.5	45.8	.0	3.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	84	80	73	60	65	55	73.7	3027
06&09	86	78	76	71	66	63	54	70.8	2879
12&15	87	77	75	70	65	61	54	70.2	2910
18&21	91	84	80	74	68	64	59	73.9	3403
TOT	94	82	79	72	66	64	54	72.3	12219

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	9.6	23.2	43.1	22.7	9.4	74	2397
06&09	.0	1.7	10.0	32.7	40.3	15.3	80	2272
12&15	.0	1.8	9.4	30.1	40.8	18.0	80	2224
18&21	.0	7.4	24.9	40.8	21.7	5.2	74	2563
TOT	0	401	1629	3492	2924	1010	77	9456

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1861-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
20/22	.0	.0	.0	.0	.0	.0	•	•	.0	•	.0	•	.0	•
17/19	.0	.0	.0	.0	.0	•	•	•	.0	•	•	•	.0	.1
14/16	.0	.0	.0	.0	•	•	•	.1	•	.0	.0	19	.0	.2
11/13	.0	.0	.0	.0	•	.1	.1	.1	.1	.0	.0	38	.0	.4
9/10	.0	.0	.0	•	•	.1	.2	.2	.1	•	.0	70	.0	.7
7/8	.0	.0	.0	.1	.2	.5	.6	.3	.1	•	.0	173	.0	1.7
6	.0	.0	.0	•	.2	.3	.4	.3	•	.0	.0	121	.0	1.2
5	.0	.0	•	.1	.4	.7	.8	.4	•	•	.0	244	.0	2.3
4	.0	.0	.0	.1	.6	1.3	1.1	.2	•	.0	.0	342	•	3.3
3	.0	.0	•	.1	.5	1.8	1.0	.1	•	.0	.0	386	•	3.7
2	.0	.0	•	.3	1.4	2.7	1.4	.2	.0	.0	.0	622	.0	6.0
1	.0	.0	•	.3	1.8	2.9	1.1	.1	.0	.0	.0	648	•	6.2
0	.0	•	.1	1.0	4.3	5.3	1.3	.1	.0	.0	.0	1263	•	12.1
-1	.0	.0	•	1.0	4.4	4.0	.6	•	.0	.0	.0	1060	•	10.1
-2	.0	.0	.2	1.7	6.1	4.4	.8	.1	.0	.0	.0	1382	•	13.2
-3	.0	.0	.1	1.6	5.2	2.9	.5	•	.0	.0	.0	1067	•	10.2
-4	.0	•	.3	2.5	4.7	2.1	.2	•	.0	.0	.0	1021	.0	9.8
-5	.0	•	.1	2.0	4.0	1.5	.2	.0	.0	.0	.0	824	•	7.9
-6	.0	•	.2	1.2	1.9	.7	.1	.0	.0	.0	.0	424	.0	4.1
-7/-8	.0	•	.3	1.8	2.0	.7	•	.0	.0	.0	.0	498	.0	4.8
-9/-10	.0	.0	.2	.7	.5	.2	•	.0	.0	.0	.0	173	.0	1.7
-11/-13	.0	•	•	.2	.2	•	.0	.0	.0	.0	.0	53	.0	.5
-14/-16	•	.0	.0	•	•	.0	.0	.0	.0	.0	.0	6	.0	.1
TOTAL	1		165		4027		1087		37		1		12	10435
		8		1528		5374		211		8		10447		
PCT	•	.1	1.6	14.6	38.5	32.3	10.4	2.0	.4	.1	•	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.8	.1	.0	.0	.0	2.7
1-2	.5	7.8	2.0	.0	.1	.0	10.4
3-4	.2	4.1	6.1	.1	.0	.0	10.5
5-6	.0	.6	3.4	.3	.0	.0	4.3
7	.0	.1	1.1	.4	.0	.0	1.6
8-9	.0	•	.2	.4	•	.0	.7
10-11	.0	.0	•	.2	.1	.0	.3
12	.0	.0	•	.0	•	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	14.4	13.0	1.4	.2	.0	30.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4
1-2	.2	1.0	.3	.0	.0	.0	1.5
3-4	•	.6	.6	.0	.0	.0	1.2
5-6	.0	.2	.1	•	.0	.0	.3
7	.0	•	.2	.1	.0	.0	.3
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	•	.0	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.0	1.3	.1	.0	.0	3.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	.2	.0	.0	.0	.0	.3
1-2	•	.8	•	.0	.0	.0	.9
3-4	.0	.1	•	.0	.0	.0	.1
5-6	.0	.1	•	.0	.0	.0	.1
7	.0	•	•	•	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	•	.0	.0	•
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.2	.2	.2	.0	.0	1.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	.3	.0	.0	.0	.0	.3
1-2	.1	.3	.2	.0	.0	.0	.6
3-4	.0	.3	.1	.0	.0	.0	.4
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	•	.0	.0	•
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.0	.2	.1	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1979 — TABLE 18 (CONT) — AREA COOS 20.5N 107.4W PUERTO VALLARTA

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.1
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.5	.2	.0	.0	.0	.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.6	.1	.0	.0	.0	1.0
1-2	.3	4.5	1.0	.0	.0	.0	5.8
3-4	.1	1.8	1.2	.0	.0	.0	3.0
5-6	.0	.2	.8	.1	.0	.0	1.1
7	.0	•	.2	•	.0	.0	.3
8-9	.0	•	.0	•	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.2	3.4	.2	.0	.0	11.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.6	2.4	.2	.0	.0	.0	3.2	
1-2	1.0	13.8	4.1	.0	•	.0	19.0	
3-4	.2	5.4	8.3	.3	.0	.0	14.2	
5-6	•	1.2	5.1	.6	.0	.0	6.9	
7	.0	.2	1.3	.5	.0	.0	2.1	
8-9	.0	•	.4	.2	.0	.0	.6	
10-11	.0	.0	•	•	.0	.0	.1	
12	.0	.0	.0	•	.0	.0	•	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	23.2	19.0	1.6	.1	.0	86.2	97.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	5.9	.3	.0	.0	.0	11.3	
1-2	2.6	29.0	7.7	.0	.1	.0	39.3	
3-4	.6	12.5	16.3	.4	.0	.0	29.8	
5-6	•	2.3	9.4	1.0	.0	.0	12.8	
7	.0	.3	2.8	1.1	.0	.0	4.4	
8-9	.0	.1	.8	.7	•	.0	1.7	
10-11	.0	.0	.1	.2	.1	.0	.4	
12	.0	.0	•	•	•	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	•	.0	.0	•	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.5	50.2	37.6	3.4	.3	.0	100.0	2351

PERIOD: (OVER-ALL) 1949-1979 — TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	9.8	20.0	20.1	8.9	2.4	1.0	.2	.1	.1	•	•	.0	.0	.0	.0	.0	.0	.0	.0	4671	1
6-7	.1	2.1	7.3	6.9	2.7	.9	.3	.1	.1	•	.0	•	.0	.0	.0	.0	.0	.0	.0	1685	1
8-9	•	.5	2.0	2.3	1.3	.7	.2	•	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	577	1
10-11	.0	.1	.8	.6	.4	.3	.2	•	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	240	1
12-13	.0	.0	.4	.4	.2	.2	.1	.0	•	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	114	1
>13	.0	.0	.0	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	1
INDET	4.5	1.8	2.0	1.1	.4	.2	.1	.0	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	325	1
TOTAL	777	2040	2672	1640	624	271	88	25	24	13	5	1	0	0	0	0	0	0	0	8102	1
PCT	9.5	29.9	32.7	20.0	7.6	3.3	1.1	.3	.3	.2	.1	•	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1953-1979 AREA OCOS PUERTO VALLARTA
(COVER-ALL) 1859-1979 TABLE 1 20.5N 105.4W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	OBST SNOW	OC SIG WEA
N	.1	*	.0	.0	.0	.0	.0	.2	.1	.1	.1	.0	1.0	*		97.7
NE	.0	.5	.0	.0	.0	.0	.0	.0	1.4	1.0	.4	.0	.0	.0		98.4
E	.5	.0	.7	.0	.0	.0	.0	1.2	1.0	.0	.7	.0	.7	.0		98.0
SE	.2	.0	.0	.0	.0	.0	.0	.2	2.2	.0	.0	.0	.5	6.7	.0	91.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.0	.7	.0	97.6
SW	.0	.4	.0	.0	.0	.0	.0	.4	.7	.7	.0	.1	1.4	.0		96.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	2.1	.0		97.6
NW	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	1.3	.1		98.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.2	.0	.2	.0	.0	.0	.0	.4	.4	.2	.6	.0	1.9	.2		97.4
TOT PCT	.1	*	*	.0	.0	.0	.0	.1	.2	.2	.2	*	1.0	.1		97.9
TOT OBS: 11160																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	OBST SNOW	OC SIG WEA
00E03	.1	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	2.0	*		97.7
04E09	.0	.0	*	.0	.0	.0	.0	*	.1	.1	.1	*	1.2	.1		98.1
12E15	.1	.1	.1	.0	.0	.0	.0	.3	.3	.2	.2	*	1.7	*		97.3
18E21	.1	*	.0	.0	.0	.0	.0	.2	.2	*	.3	*	2.3	*		97.1
TOT PCT	.1	*	*	.0	.0	.0	.0	.1	.2	.2	.2	*	1.8	.1		97.5
TOT OBS: 11312																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	9.0	6.7	.7	*	.0		18.1	10.2	16.1	17.0	19.0	19.0	19.0	19.0	19.1	17.2
NE	.7	1.4	.5	*	.0	.0		2.2	8.3	1.5	3.5	2.0	.0	2.3	3.0	2.0	1.1
E	.7	.9	.2	.0	.0	.0		1.3	6.9	.6	.9	1.0	.0	1.0	1.7	1.0	1.0
SE	.3	.8	.2	.0	.0	.0		1.3	6.8	.8	.9	.8	.0	1.1	.9	2.1	.3
S	.7	1.0	.1	.0	.0	.0		1.9	6.2	1.0	.6	1.1	.6	1.1	1.6	2.7	2.3
SW	.4	1.5	.3	*	.0	.0		2.3	6.9	2.0	1.4	1.6	4.7	1.6	1.6	2.0	0.0
W	1.6	10.5	5.2	.2	*	.0		17.6	9.3	10.6	10.3	10.2	21.6	14.3	10.7	17.4	27.1
NW	2.7	27.2	20.7	.4	*	.0		51.5	10.6	56.2	57.7	53.3	54.0	60.0	50.0	44.0	50.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0.3							0.3	.0	2.3	2.0	3.6	.7	7.1	0.5	0.7	3.0
TOT OBS	1369	6309	4854	164	5	0	11939		9.5	2814	173	2670	140	2531	287	1169	145
TOT PCT	11.4	53.7	38.0	1.4	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.9	11.3	1.9	.1	.0		18.1	10.2	16.2	17.0	19.5	19.0
NE	.8	1.4	*	.0	.0		2.2	8.3	1.6	2.0	2.3	2.7
E	.7	.6	*	.0	.0		1.3	6.9	.7	1.0	1.0	1.5
SE	.7	.5	*	.0	.0		1.3	6.8	.9	.8	1.1	2.2
S	.9	.5	*	.0	.0		1.4	6.2	1.0	1.1	1.1	2.2
SW	1.3	1.0	.1	.0	.0		2.3	6.9	2.0	1.0	1.0	2.9
W	5.9	10.2	1.4	*	.0		17.6	9.3	10.4	10.3	15.7	17.0
NW	11.0	39.3	5.6	.1	.0		51.5	10.6	56.3	53.0	60.0	47.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	0.3						0.3	.0	2.3	3.5	0.0	0.7
TOT OBS	3760	7132	1079	20	0	11939		9.5	2907	2810	2010	1324
TOT PCT	31.1	59.7	9.0	.2	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1953-1979

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	2.3	5.9	50.8	39.2	1.8	.1	.0	10.3	100.0	2987
06009	3.5	6.1	53.1	35.7	1.5	*	.0	9.9	100.0	2810
12615	6.8	7.1	53.3	31.5	1.1	*	.0	9.1	100.0	2810
18621	4.7	9.1	55.2	29.8	1.1	*	.0	8.9	100.0	3524
TOT	516	851	6309	4854	166	5	0	9.5		11939
PCT	4.3	7.1	53.2	34.0	1.4	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	10.6	3.7	3.4	1.1		2.6
NE	1.2	.5	.4	.1		2.8
E	.6	.3	.3	.1		3.2
SE	.6	.3	.2	.1		3.1
S	.6	.4	.3	.1		3.1
SW	1.1	.6	.5	.1		3.0
W	9.0	3.7	3.0	1.0		2.8
NW	27.0	9.7	11.0	2.9		2.8
VAR	.0	.0	.0	.0		.0
CALM	2.9	.7	.4	.1		2.6
TOT OBS	4814	1761	1970	538	9084	2.8
TOT PCT	53.0	19.4	21.7	5.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2999	3000 4999	5000 6999	7000	8000+	HH <5/8 BUT >4/8	TOTAL OBS
N	.1	*	.1	.3	.9	.6	.3	*	*	.1	16.9	
NE	*	.0	*	.1	.1	.1	*	.0	.0	*	1.9	
E	*	*	*	*	.1	.1	*	*	*	.0	1.1	
SE	*	.0	*	*	.1	*	*	*	*	.0	.9	
S	*	.0	*	*	.1	*	*	*	*	.0	1.2	
SW	*	.0	*	.1	.2	*	*	*	*	.0	1.9	
W	.1	.0	.1	.4	1.7	.5	.3	.1	*	.1	14.9	
NW	.2	*	.1	1.2	9.1	1.7	.7	.2	.2	.4	93.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	.0	*	.1	.3	.1	*	.1	.0	*	3.7	
TOT OBS	37	5	31	204	567	284	126	50	33	54	7710	9084
TOT PCT	.4	.1	.3	2.2	6.2	3.1	1.4	.6	.4	.6	84.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	: OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >SCYE	: OR >0
: OR >6500	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
: OR >4000	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
: OR >2500	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
: OR >1000	5.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0
: OR >1000	11.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0
: OR >600	13.2	14.2	14.3	14.3	14.3	14.3	14.3	14.3
: OR >300	13.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7
: OR >150	13.5	14.6	14.7	14.7	14.7	14.7	14.7	14.7
: OR > 0	13.8	15.0	15.1	15.1	15.1	15.1	15.1	15.1
TOTAL	12 5	1376	1387	1388	1391	1391	1391	1391

TOTAL NUMBER OF OBS: 9107 PCT FREQ HH <5/8: 84.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
82.0	14.2	11.7	0.9	0.0	0.1	0.0	1.7	1.2	9007

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1950-1979

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	*	*	.0	*	*	
	TOT %	.0	.0	.0	.0	.0	.0	*	*	.0	*	*	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
1<4	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
4<5	PCP	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	.0	*	.0	*	.1	.1	.0	*	.2	
	TOT %	*	*	*	*	.0	*	.1	.1	.0	*	.2	
5<10	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.9	.1	.1	.1	.1	.1	1.0	2.2	.0	.7	6.8	
	TOT %	.9	.2	.1	.1	.1	.1	1.0	2.2	.0	.7	6.8	
10+	PCP	*	*	*	.0	.0	*	.0	*	.0	*	.1	
	NO PCP	17.6	2.0	1.2	1.1	1.7	2.2	16.4	49.2	.0	9.6	99.2	
	TOT %	17.6	2.2	1.2	1.1	1.7	2.2	16.4	49.2	.0	9.6	99.4	
	TOT OBS												11194
	TOT PCT	18.5	2.1	1.3	1.2	1.8	2.3	17.6	51.5	.0	9.2	105.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)	SPD (KTS)	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	*	.0	.0	*	*	*	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	*	*	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	*	*	*	*	*	.0	*	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	*	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	*	.0	.0	.0	.0	*	.0	.0	*	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
2<5	0-3	*	.0	.0	*	.0	*	*	*	.0	.1	.1	
	4-10	*	.0	*	*	*	*	*	.1	.0		.2	
	11-21	*	*	*	.0	.0	.0	*	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	*	*	*	*	.1	.2	.0	.1	.4	
5<10	0-3	.1	*	*	*	.0	*	.1	.1	.0	.1	.4	
	4-10	.6	.1	.1	.1	.1	.1	.6	1.1	.0		2.9	
	11-21	.4	*	*	*	.0	*	.1	.5	.0		1.1	
	22+	*	*	.0	.0	.0	.0	*	*	.0		.1	
	TOT %	.9	.2	.1	.1	.1	.1	1.0	2.1	.0	.1	4.4	
10+	0-3	1.2	.1	.2	.2	.1	.1	1.1	2.4	.0	.2	10.6	
	4-10	9.5	1.1	.8	.7	.4	1.0	10.0	20.2	.0		43.5	
	11-21	6.3	.5	.2	.2	.1	.1	4.3	19.6	.0		32.2	
	22+	.1	.0	.0	.0	.0	*	.2	.3	.0		1.7	
	TOT %	17.2	2.0	1.1	1.1	1.7	2.2	16.6	46.6	.0	6.0	96.4	
	TOT OBS												11067
	TOT PCT	18.2	2.1	1.3	1.2	1.8	2.3	17.7	51.8	.0	9.0	105.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1959-1979

AREA 0005 PUERTO VALLARTA
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >6/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00603	.4	.1	.4	1.4	4.5	2.4	1.3	.5	.4	1.0	12.4	87.6	2488
06609	.6	.1	.2	1.2	4.5	2.2	1.1	.4	.2	.2	10.7	89.3	2270
12615	.5	.0	.5	3.9	8.5	3.7	.9	.6	.2	.6	19.2	80.8	2158
18621	.2	.0	.3	2.4	5.9	3.9	1.9	.6	.5	.6	16.3	83.7	2629
TOT	38	5	32	209	553	292	126	50	33	57	1395	8150	9545
PCT	.4	.1	.3	2.2	5.8	3.1	1.3	.5	.3	.6	14.6	85.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NMI) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.1	*	*	.2	3.9	95.8	2919
06609	*	*	*	.6	5.3	94.1	2800
12615	.1	.1	.0	.7	6.3	92.8	2773
18621	.2	.0	.0	.4	4.3	95.2	3271
TOT	12	4	2	55	572	11118	11763
PCT	.1	*	*	.5	4.9	94.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >6/8),BY HOUR

HOUR (GMT)	<150 <5QVD	<600 <1	<1000 <3	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00603	.4	.4	2.5	10.4	87.1	2395
06609	.6	1.0	2.7	8.9	88.5	2175
12615	.5	1.0	5.4	14.8	79.8	2080
18621	.2	.5	3.1	13.4	83.1	2543
TOT	38	77	306	1101	7703	9193
PCT	.4	.8	3.4	12.0	86.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	*	*	*	*	*	.0	.0	9	.1
85/89	.0	*	*	.1	.2	.1	.1	.0	49	.5
80/84	.0	*	.1	.4	2.2	2.3	1.0	.2	587	6.3
75/79	.0	*	.1	1.0	3.9	15.5	8.4	2.1	2897	31.0
70/74	.0	.0	.1	.5	4.2	10.5	18.7	7.9	4379	46.8
65/69	.0	.0	*	.1	.6	3.7	6.6	2.9	1321	14.1
60/64	.0	.0	.0	.0	.1	.2	.6	.3	111	1.2
55/59	.0	.0	.0	.0	.0	.0	*	.0	3	*
TOTAL	0	6	32	210	1160	3605	3361	1762	9356	100.0
PCT	.0	.1	.3	2.2	12.2	38.4	35.9	18.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	*	*	.0	*	.0	.0	*	*	.0	.0
	.1	*	*	*	*	*	.1	.3	.0	*
	1.1	.1	.1	.1	.2	.2	1.1	3.0	.0	.3
	6.3	.8	.5	.5	.6	.7	4.8	15.1	.0	1.5
	9.5	1.0	.7	.4	.6	.9	7.9	23.8	.0	2.0
	1.8	.2	.1	.1	.1	.3	2.9	8.3	.0	.4
	.1	*	*	*	*	*	.2	.8	.0	*
	.0	.0	.0	.0	.0	.0	*	*	.0	.0
	19.0	2.2	1.4	1.2	1.5	2.2	16.9	51.4	.0	4.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	50	10	MIN	MEAN	TOTAL OBS
00603	96	84	82	75	69	64	59	75.1	2991
06609	84	79	77	72	66	60	57	71.8	2832
12615	88	78	76	73	65	62	55	73.0	2852
18621	90	84	81	77	69	64	62	75.2	3317
TOT	96	84	80	77	67	64	55	73.4	12012

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	3.9	17.1	45.4	27.4	6.3	76	2990
06609	.0	1.1	5.1	26.9	47.1	19.8	82	2290
12615	.0	1.0	4.5	26.6	43.6	23.7	82	2211
18621	.0	4.2	20.0	45.0	26.8	4.0	75	2586
TOT	0	250	1152	3455	3365	1203	79	9985

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1859-1979

AREA 0605 PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	wO FOG
20/22	.0	.0	.0	.0	.0	.0	.0	•	•	•	.0	4	.0	•
17/19	.0	.0	.0	.0	.0	.0	•	•	•	•	.0	7	.0	.1
14/16	.0	.0	.0	.0	•	.1	.1	.1	•	•	•	32	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.2	.2	.1	•	•	68	.0	.7
9/10	.0	.0	•	.0	•	.2	.3	.3	.1	.0	.0	94	.0	.9
7/8	.0	.0	•	•	.2	.4	.8	.5	.1	.0	.0	208	.0	2.0
6	.0	.0	.0	•	.2	.4	.7	.4	•	.0	.0	172	.0	1.7
5	.0	.0	.0	.1	.2	.7	1.3	.6	•	.0	.0	303	•	2.9
4	.0	.0	.0	.1	.4	1.0	1.4	.4	.1	.0	.0	358	•	3.4
3	.1	.0	•	.1	.5	1.4	1.3	.3	.0	.0	.0	378	•	3.7
2	.0	.0	•	.3	1.1	2.0	2.3	.4	.0	.0	.0	708	•	6.9
1	.0	.0	•	.2	1.3	3.2	1.6	.1	.0	.0	.0	666	•	6.5
0	.0	.0	.1	.8	2.9	6.0	2.5	.2	.0	.0	.0	1284	•	12.5
-1	.0	.0	.1	.6	3.4	4.8	1.5	.1	.0	.0	.0	1080	•	10.4
-2	.0	.0	.2	.9	4.5	5.4	1.3	•	.0	.0	.0	1271	•	12.3
-3	.0	.0	.1	1.0	3.9	3.8	.6	•	.0	.0	.0	970	•	9.4
-4	.0	.0	.2	1.4	3.8	2.9	.5	•	.0	.0	.0	911	.0	8.9
-5	.0	.0	.2	1.4	3.3	1.8	.4	•	.0	.0	.0	726	.0	7.1
-6	.0	.0	.1	1.0	1.8	1.0	.1	.0	.0	.0	.0	414	.0	4.0
-7/-8	.0	•	.3	1.3	1.7	.9	•	.0	.0	.0	.0	441	•	4.3
-9/-10	.0	•	.1	.4	.5	.2	.0	.0	.0	.0	.0	123	.0	1.2
-11/-13	•	.0	•	.2	.2	.1	.0	.0	.0	.0	.0	54	.0	.5
-14/-16	•	•	•	.1	•	•	.0	.0	.0	.0	.0	19	.0	.2
TOTAL	2		163		3104		1724		60		2		16	10274
		8		1020		3836		382		9		10290		
PCT	•	.1	1.6	9.9	30.2	37.3	16.8	3.7	.6	.1	•	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.4	.1	.0	.0	.0	2.2
1-2	.3	5.9	1.6	•	.0	.0	7.8
3-4	.1	2.7	3.5	•	.0	.0	6.3
5-6	.0	.3	2.3	.1	.0	.0	2.7
7	.0	•	.5	.1	.0	.0	.6
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	•	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	•	.0	.0	.0	•
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	10.4	8.1	.4	.0	.0	19.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.1	.9	.1	.0	.0	.0	1.1
3-4	.0	.4	.1	.0	.0	.0	.5
5-6	.0	.1	•	.0	.0	.0	.1
7	.0	.0	•	.0	.0	.0	•
8-9	.0	•	.0	.0	.0	.0	•
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.1	.0	.0	.0	1.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	.1	.0	.0	.0	.0	.1
1-2	.2	.4	•	.0	.0	.0	.6
3-4	.0	.1	•	.0	.0	.0	.2
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	•	.0	.0	.0	•
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	•	.4	.2	.0	.0	.0	.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	•	.2	.0	.0	.0	.0	.2
1-2	.0	.3	•	.0	.0	.0	.4
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.1	.0	.0	.0	1.0

APRIL

PERIOD: (OVER-ALL) 1963-1979 — AREA CODE PUERTO VALLARTA 20.5N 107.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

a

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.C	.0	.2
1-2	.1	.3	.0	.0	.C	.0	.4
3-4	.C	.1	.1	.0	.0	.0	.2
5-6	.0	.C	.0	.0	.C	.0	.0
7	.C	.C	.0	.0	.C	.0	.C
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.C
12	.0	.0	.C	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.C
17-19	.0	.0	.0	.0	.C	.0	.C
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.C
33-40	.0	.0	.0	.0	.C	.0	.C
41-48	.0	.C	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.C	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.2	.6	.1	.0	.C	.0	.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	•	.C	.C	.C	.4
1-2	.1	.7	.1	.0	.C	.C	.9
3-4	.0	.2	.1	•	.C	.0	.3
5-6	.0	.1	•	.C	.C	.0	.1
7	.0	.0	.0	.C	.C	.C	.C
8-9	.0	.C	.0	.C	.C	.C	.C
10-11	.0	.C	.C	.0	.C	.C	.C
12	.0	.C	.C	.C	.C	.C	.C
13-16	.0	.0	.0	.C	.C	.C	.C
17-19	.0	.0	.0	.C	.C	.C	.C
20-22	.0	.C	.C	.C	.C	.C	.0
23-25	.0	.0	.0	.0	.C	.C	.C
26-32	.0	.C	.0	.C	.C	.0	.0
33-40	.0	.0	.0	.C	.C	.C	.C
41-48	.0	.0	.C	.0	.C	.0	.0
49-60	.0	.0	.0	.C	.C	.0	.0
61-70	.0	.C	.C	.C	.C	.0	.0
71-86	.0	.C	.C	.C	.C	.C	.0
87+	.0	.0	.C	.C	.C	.C	.C
TOT PCT	.3	1.1	.2	•	.C	.C	1.6

b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.4	.1	.0	.C	.0	2.0
1-2	.5	4.5	1.2	.0	.C	.0	6.1
3-4	.1	2.7	2.0	•	.C	.0	4.9
5-6	•	.4	1.3	•	.C	.0	1.8
7	.0	.1	.1	.1	.C	.0	.3
8-9	.0	.0	.1	.0	.C	.0	.1
10-11	.0	.0	.C	.0	.C	.0	.0
12	.0	.C	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.C	.0	.C	.0	.0
20-22	.0	.6	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.C	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.C	.0	.C	.0	.C	.0	.C
71-86	.0	.C	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	1.2	9.1	4.7	.1	.C	.0	15.2

b

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	3.2	.2	.0	.C	.C	4.5	
1-2	.6	14.1	4.9	.C	.C	.C	19.8	
3-4	.1	9.7	11.1	.2	.C	.C	21.2	
5-6	•	1.7	5.C	.4	.C	.0	7.1	
7	.0	•	1.6	.2	.C	.0	1.8	
8-9	.0	•	.2	.0	.C	.C	.2	
10-11	.0	.0	.1	•	.C	.C	.1	
12	.0	.0	.C	.0	.C	.0	.C	
13-16	.0	.0	.1	.C	.C	.C	.0	
17-19	.0	.0	.0	.0	.C	.0	.0	
20-22	.0	.0	.C	.0	.C	.0	.0	
23-25	.0	.0	.0	.0	.C	.0	.0	
26-32	.0	.0	.C	.0	.C	.C	.C	
33-40	.0	.0	.0	.0	.C	.0	.0	
41-48	.0	.0	.0	.0	.C	.C	.0	
49-60	.0	.0	.0	.0	.C	.0	.0	
61-70	.0	.0	.0	.0	.C	.0	.0	
71-86	.0	.0	.0	.0	.C	.C	.C	
87+	.0	.0	.C	.0	.C	.C	.C	
TOT PCT	2.1	28.9	23.1	.8	.C	.0	54.9	98.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.1	6.8	.4	.0	.C	.0	14.3	
1-2	2.3	26.9	7.8	•	.C	.0	37.1	
3-4	.4	15.8	16.8	.3	.0	.0	33.3	
5-6	•	2.7	8.5	.5	.0	.0	11.8	
7	.0	.2	2.2	.4	.0	.0	2.7	
8-9	.0	.1	.4	.0	.0	.0	.5	
10-11	.0	.0	.2	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.C	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.C	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.C	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.C	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.C	.0	.C	
87+	.0	.0	.0	.0	.0	.0	.0	
								2416
TOT PCT	9.8	52.5	36.3	1.4	.0	.0	100.C	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	4.6	19.0	21.7	8.0	2.1	.7	.2	.1	.1	•	.0	.0	.0	.C	.0	.C	.0	.C	.0	9892	1
6-7	.2	2.3	7.3	6.9	2.6	.8	.3	.1	•	•	.C	.0	.0	.0	.0	.C	.0	.0	.0	1895	4
8-9	.1	.9	2.7	2.3	1.1	.5	.2	•	•	.0	.0	.0	.0	.0	.0	.C	.0	.C	.0	645	5
10-11	.0	1.0	.8	.8	.5	.2	•	•	•	.C	.C	.0	•	•	.0	.0	.0	.C	.0	277	5
12-13	.0	.0	.7	.4	.2	.1	.1	•	.0	•	.C	.0	.0	.0	.C	.0	.C	.C	.0	148	4
>13	.0	.0	•	.3	.3	.1	•	•	•	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0	58	7
INDET	4.6	1.6	1.6	.9	.3	.2	•	•	•	.0	.C	.0	.0	.C	.0	.0	.C	.0	.0	756	2
TOTAL	785	2066	2877	1637	591	210	72	26	22	3	0	0	2	2	0	0	0	0	0	8271	1
PCT	9.5	24.7	34.8	19.8	7.1	2.5	.9	.3	.3	•	.0	.0	•	•	.C	.0	.0	.0	.0	100.0	

PER100: (PRIMARY) 1951-1970
(OVER-ALL) 1961-1970

AREA CODE PUERTO VALLARTA
20.4N 105.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
N	.1	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.0	1.4	.1	.1	97.6
NE	.0	.1	.0	.0	.0	.0	.0	1.5	.1	.4	.0	.0	7.1	.0	.0	90.9
E	.1	.5	.0	.0	.0	.0	.0	1.2	.7	.7	.7	.0	7.4	.1	.0	90.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.4	.4	.0	4.2	.0	.0	92.5
S	.0	.5	.0	.0	.0	.0	.0	.9	.0	.0	1.4	.0	4.1	.0	.0	93.4
SW	.0	.0	.1	.0	.0	.0	.0	.1	.4	.0	.5	.1	4.9	.1	.0	94.4
W	.0	.0	*	.0	.0	.0	.0	*	*	.1	.0	.1	4.1	.0	.1	95.2
NW	*	.0	*	.0	.0	.0	.0	.1	.1	.1	.2	*	3.1	.1	.1	97.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.2	.0	.0	.0	.0	.2	.0	.0	.4	.2	7.0	.0	.0	91.0
TOT PCT	.1	*	*	.0	.0	.0	.0	.1	.1	.1	.2	*	3.0	.1	.1	96.1
TOT OBS: 17353																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
00E07	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.2	.0	3.1	.1		96.1
08E09	.1	.0	*	.0	.0	.0	.0	.1	.2	.1	.3	*	3.0	.1		96.4
12E15	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	.4	.1	7.0	.1		90.0
18E21	*	*	*	.0	.0	.0	.0	.1	.1	.0	.1	*	4.4	.1		95.5
TOT PCT	.1	*	*	.0	.0	.0	.0	.1	.1	.1	.1	*	5.0	.1		96.2
TOT OBS: 17569																

TABLE 7

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	01	06	09	12	15	18	21
N	1.1	5.9	3.1	.1	.0	.0		10.2	9.2	8.3	7.8	8.7	9.5	12.2	8.9	11.1	7.7
NE	.1	1.0	.2	*	.0	.0		1.5	7.0	.6	.7	1.4	.0	2.7	2.4	1.7	2.2
E	.1	.8	.1	*	.0	.0		1.2	6.9	.6	1.4	1.1	.0	1.7	1.1	1.5	1.5
SE	.1	.8	.2	*	.0	.0		1.4	8.7	.7	1.0	1.0	1.1	1.4	1.1	2.0	2.4
S	.6	1.2	.1	*	.0	.0		1.7	8.1	1.2	.5	1.1	1.4	2.0	2.0	2.0	0.6
SW	.6	2.7	.4	*	.0	.0		3.8	7.6	3.8	4.1	2.6	4.2	2.0	5.8	4.2	4.2
W	2.2	15.2	8.2	.4	.0	.0		26.0	9.5	29.7	26.0	25.6	17.1	22.4	25.6	25.7	28.2
NW	2.7	25.2	20.8	.8	*	.0		49.6	10.6	53.8	55.6	52.7	67.1	67.0	63.7	60.5	61.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0.7							0.7	.0	1.0	2.9	0.0	1.1	1.0	1.1	5.0	0.5
TOT OBS	1655	6980	6391	107	2	0	17195		9.3	3112	708	2923	176	2827	933	1964	172
TOT PCT	17.5	52.7	33.3	1.4	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 10

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.0	6.2	.6	*	.0		10.2	9.2	8.3	9.7	11.0	10.9
NE	.8	.6	*	.0	.0		1.5	7.0	.0	1.5	2.2	1.7
E	.7	.0	*	.0	.0		1.2	6.9	.5	1.1	1.7	1.5
SE	.8	.5	*	.0	.0		1.4	8.7	.7	1.0	1.0	2.1
S	1.1	.6	*	.0	.0		1.7	8.1	1.1	1.1	1.5	2.0
SW	2.0	1.7	*	.0	.0		3.8	7.6	3.8	2.9	3.0	5.2
W	8.5	15.3	2.2	*	.0		26.0	9.5	29.5	26.1	22.0	25.9
NW	11.2	33.0	5.1	.1	.0		49.6	10.6	51.5	42.0	40.0	44.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	0.7						0.7	.0	2.0	0.2	7.3	5.3
TOT OBS	4389	7707	1079	20	0	13195		9.3	1526	3092	3156	4837
TOT PCT	33.3	58.4	8.2	.2	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1961-1979

AREA 0005 PUERTO VALLARTA
20.4N 105.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	2.0	6.1	49.6	40.6	1.8	.0	.0	10.3	100.0	3520
06&09	4.2	5.7	53.2	35.4	1.5	.0	.0	9.8	100.0	3082
12&15	7.3	8.5	50.3	28.8	1.1	*	.0	8.7	100.0	3156
18&21	5.3	10.7	53.9	28.8	1.3	*	.0	8.6	100.0	3637
TOT	619	1036	6968	4391	187	2	0	9.3		13195
PCT	4.7	7.9	52.7	33.3	1.4	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.2	2.2	2.1	.4		3.0
NE	.7	.3	.3	.2		3.3
E	.6	.3	.3	.2		3.6
SE	.7	.3	.3	.1		3.1
S	.8	.3	.1	.1		2.7
SW	1.8	.7	.7	.2		2.8
W	13.5	5.3	5.4	1.2		2.8
NW	26.0	10.7	10.8	2.9		2.8
VAR	.0	.0	.0	.0		.0
CALM	2.8	.9	.9	.2		2.6
TOT OBS	5212	2111	2157	587	10063	2.8
TOT PCT	51.8	21.0	21.4	5.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,GM >0/0)
AND OCCURRENCE OF GM <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3000	3500 4000	5000 6000	6500 7000	8000+	GM <5/8 GM >6T	TOTAL OBS
N	*	*	*	.1	.6	.1	.2	*	*	.1	9.C	
NE	*	.C	*	.1	.1	.1	*	*	*	.C	*	1.2
E	*	.0	.0	.1	.1	.1	*	*	*	.C	.C	.9
SE	.0	.0	.0	*	.1	*	*	*	*	.C	*	1.2
S	.0	*	*	*	.1	*	*	.0	.C	*	*	1.6
SW	*	*	*	.1	.2	.1	*	*	.C	*	*	2.9
W	*	*	.1	.7	1.6	.6	.4	.2	*	.1	21.9	
NW	.1	*	.2	1.1	3.1	1.4	.7	.1	.2	.1	42.5	
VAR	.0	.0	.C	.0	.C	.0	.C	.C	.0	.C	.C	
CALM	*	*	*	.1	.4	.2	.1	*	*	.C	4.1	
TOT OBS	25	8	42	766	610	138	193	61	30	44	8401	10063
TOT PCT	.2	.1	.4	2.6	6.1	1.4	1.5	.6	.3	.4	84.3	100.C

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (GM >0/8) AND VSBY (NM)

CEILING (FEET)	: OR >1C	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: FR >C
: OR >6500	.7	.8	.8	.8	.8	.8	.8	.8
: OR >5000	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
: OR >3500	2.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9
: OR >2000	6.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2
: OR >1000	11.3	12.2	12.2	12.2	12.2	12.2	12.2	12.3
: OR >600	13.5	14.8	14.9	14.9	14.9	14.9	14.9	14.9
: OR >300	13.9	15.2	15.3	15.3	15.3	15.3	15.3	15.3
: OR >150	13.9	15.3	15.3	15.4	15.4	15.4	15.4	15.4
: OR > 0	14.2	15.4	15.6	15.6	15.6	15.6	15.6	15.6
TOTAL	1405	1583	1592	1592	1594	1594	1594	1596

TOTAL NUMBER OF OBS: 10703

PCT FREQ GM <5/8: 84.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
37.3	16.7	13.1	10.1	7.3	4.4	4.7	1.8	7.C .1	10704

PERIOD: (PRIMARY) 1953-1979 AFLS CODE PUERTO RALLPATA
(OVER-ALL) 1861-1979 TABLE 8 2C.NN 1C7.NN

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.C	.C	.0	.C	.C	.C	.0	.C	.C	.C	
	NO PCP	*	.C	.0	.0	*	*	*	*	.C	.C	*	
	TOT %	*	.C	.0	.0	*	*	*	*	.C	.C	*	
1/2<1	PCP	.0	.C	.0	.0	.0	.C	.C	.C	.C	.C	.C	
	NO PCP	.0	.C	.0	.0	.0	.C	.0	*	.C	*	*	
	TOT %	.0	.C	.0	.0	.0	.C	.C	*	.C	*	*	
1<2	PCP	.0	.C	.0	.0	.0	.C	.0	*	.0	.C	*	
	NO PCP	*	.C	.0	.0	.0	.C	.C	*	.C	*	*	
	TOT %	*	.C	.0	.0	.0	.C	.C	*	.C	*	*	
2<5	PCP	.0	*	*	.0	.0	.C	.0	.0	.C	.C	*	
	NO PCP	*	.C	.0	*	*	*	.1	.1	.C	*	.1	
	TOT %	*	*	*	*	*	*	.1	.1	.C	*	.1	
5<10	PCP	*	*	*	.0	*	*	*	*	.C	.C	*	
	NO PCP	.5	.1	.1	.1	.2	.3	1.0	2.6	.C	.4	6.1	
	TOT %	.5	.1	.2	.1	.2	.3	1.0	2.6	.C	.4	6.1	
10+	PCP	*	*	.0	.0	.0	.0	*	.0	.0	*	*	
	NO PCP	9.8	1.4	1.1	1.3	1.4	3.3	20.1	46.8	.C	4.3	93.4	
	TOT %	9.8	1.4	1.1	1.3	1.4	3.3	20.1	46.8	.C	4.3	93.4	
	TOT OBS												12120
	TOT PCT	10.3	1.5	1.2	1.4	1.6	3.7	20.0	49.6	.0	4.7	1CC.C	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	.0	.0	.0	.0	*	.C	.0	.0	*	*	
	4-10	*	.0	.0	.C	*	*	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	*	*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	.0	*	*	*	*	.0	*	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.C	.C	.C	.0	*	*	
	4-10	.0	.0	.0	.0	*	.0	.0	.0	.C		*	
	11-21	.0	.0	.0	.C	.0	.0	.0	*	.C		*	
	22+	.0	.C	.0	.0	.0	.0	.C	.0	.0		.C	
	TOT %	.0	.0	.0	.0	*	.C	.C	*	.0	*	*	
1<2	0-3	*	.0	.0	*	*	.C	.0	*	.0	*	*	
	4-10	*	.0	.0	.0	.0	*	.0	*	.0		*	
	11-21	.0	.0	.C	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	.C	.0	.0	.0	*	.0		*	
	TOT %	*	.0	.0	*	*	*	.0	*	.0	*	.1	
2<5	0-3	*	*	*	.0	*	*	*	*	.C	*	.1	
	4-10	*	*	*	*	*	*	*	.1	.0		.3	
	11-21	*	*	.0	*	.0	.C	*	*	.0		.1	
	22+	*	.0	.0	.0	.0	.C	.0	.0	.0		*	
	TOT %	.1	*	*	*	*	.1	.1	.2	.0	*	.5	
5<10	0-3	.1	*	*	*	*	.1	.1	.2	.0	.4	1.0	
	4-10	.2	.1	.1	.1	.1	.2	.4	1.2	.0		2.4	
	11-21	.2	*	*	*	.0	.1	.6	1.1	.0		1.9	
	22+	*	*	*	.0	.0	*	.1	.1	.0		.2	
	TOT %	.4	.1	.1	.2	.2	.3	1.0	2.5	.0	.4	6.0	
10+	0-3	1.0	.3	.2	.3	.4	.5	2.C	2.4	.C	4.3	11.3	
	4-10	5.7	.4	.7	.8	.8	2.4	14.3	23.8	.0		49.6	
	11-21	3.0	.2	.1	.2	.1	.5	7.6	19.7	.0		31.3	
	22+	.1	*	*	*	*	*	.3	.7	.0		1.1	
	TOT %	9.7	1.0	1.0	1.2	1.4	3.0	24.1	46.7	.0	4.3	93.2	
	TOT OBS												12020
	TOT PCT	10.3	1.5	1.2	1.4	1.6	3.7	26.0	49.6	.0	4.7	1CC.0	

PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1961-1970

AREA 0005 PUERTO VALLARTA
20.4N 105.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,HH >0/01 HR
OCCURRENCE OF HH <5/8 BY HOUR

HOUR (GMT)	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	TOTAL	HH <5/8 BKN MGT	TOTAL OBS
0001*	.1	*	.1	1.0	4.5	2.1	1.1	.4	.5	.7	11.3	88.7	2704
0601	.4	.2	.3	2.3	4.4	2.6	.9	.5	.2	.5	12.2	87.8	2497
1201	.6	.1	.6	4.1	9.4	4.8	2.1	.4	.2	.6	22.7	77.3	2682
1801	.3	*	.4	2.2	5.1	3.6	1.6	1.0	.1	.2	14.5	85.5	2942
TOT	76	6	43	269	615	344	155	62	31	50	1603	9062	10665
PCT	.2	.1	.4	2.5	5.8	3.2	1.5	.6	.3	.5	15.0	85.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0001*	.0	*	.1	.4	5.2	94.3	3204
0601	.2	.0	.1	.6	5.6	93.5	3001
1201	.2	*	.1	.9	8.1	90.7	3116
1801	.1	.1	.1	.3	5.7	94.1	3587
TOT	16	4	10	71	706	12142	13129
PCT	.1	*	.1	.5	5.0	93.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET,HH >0/01),BY HOUR

HOUR (GMT)	<150 <0DYF	<600 <1	<1000 <2	1000+ &OVC+	HH <5/8 BKN 5+	TOTAL OBS
0001	.1	.3	2.3	9.7	88.1	2821
0601	.4	.4	3.6	9.4	87.0	2706
1201	.3	1.2	6.0	17.9	78.1	2794
1801	.3	.8	3.2	12.0	84.7	2802
TOT	28	80	392	1244	8579	10201
PCT	.3	.8	3.7	12.2	84.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	*	.0	.0	*	.0	.0	2	*
90/94	.0	*	*	.1	.1	*	*	.0	28	.3
85/89	.0	*	.1	.1	.9	.9	.2	.1	234	2.3
80/84	.0	.0	*	.4	3.8	7.6	3.9	.6	1091	10.6
75/79	.0	.0	*	.5	3.3	15.9	13.7	5.8	5034	49.1
70/74	.0	.0	*	.1	2.1	5.0	10.9	6.0	3331	32.1
65/69	.0	.0	*	*	.1	1.0	0.0	3.1	1133	11.0
60/64	.0	.0	.0	.0	*	.1	.1	.0	88	.9
55/59	.0	.0	.0	.0	.0	.0	*	.0	1	*
TOTAL	0	2	21	127	1065	3654	4022	1430	10322	100.0
PCT	.0	*	.2	1.2	10.3	35.4	39.0	13.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.0	.0	.0	*	*	.0	.0
90/94	*	*	*	*	*	*	.0	.1	.0	*
85/89	.2	*	*	.1	.1	*	.5	1.0	.0	.2
80/84	2.0	.4	.3	.5	.5	.7	3.5	7.3	.0	1.2
75/79	6.7	.6	.4	.5	.7	1.5	6.8	17.8	.0	2.1
70/74	5.1	.4	.3	.2	.3	1.1	6.5	17.1	.0	1.2
65/69	.7	*	*	.1	*	.2	1.4	6.4	.0	.1
60/64	.1	*	.0	*	.0	*	.2	.5	.0	*
55/59	.0	.0	.0	.0	.0	.0	.0	*	.0	.0
	10.8	1.5	1.2	1.4	1.6	3.4	29.0	50.1	.0	4.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	50%	10%	MIN	MEAN	TOTAL OBS
0001	96	88	84	77	69	64	60	77.0	1320
0601	90	82	80	73	66	64	61	73.5	1116
1201	98	82	79	73	66	64	59	73.0	1206
1801	97	87	84	77	69	66	63	77.1	1604
TOT	96	86	81	75	67	64	59	75.2	19126

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	50-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0001*	.0	2.1	14.9	45.7	32.2	5.0	77	2642
0601*	.0	.4	5.0	24.0	50.7	21.1	83	2421
1201*	.0	.3	5.1	21.7	40.7	32.0	83	2675
1801	.0	2.9	19.0	45.8	27.0	5.4	76	2843
TOT	0	146	1080	3711	4087	1649	80	10481

MAY

PERIOD: (PRIMARY) 1953-1979 AREA 0005 PUERTO VALLARTA
(OVER-ALL) 1861-1979 TABLE 17 20.4N 107.4W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	81	85	89	>92	TOT	%	WC
TMP DIF	60	64	68	72	76	80	84	88	92			FOG	FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	1	.0	•
20/22	.0	.0	.0	.0	.0	•	•	•	.0	•	9	.0	.1
17/19	.0	.0	.0	.0	.0	•	•	•	•	.0	11	.0	.1
14/16	.0	.0	.0	•	•	•	.1	•	•	.0	27	.0	.2
11/13	.0	.0	•	.1	.1	.2	.1	.1	.1	•	81	•	.7
9/10	.0	.0	.0	•	.2	.3	.3	.2	.1	.0	127	•	1.1
7/8	.0	.0	•	.2	.4	.5	.7	.2	.1	.0	244	.0	2.1
6	.0	.0	•	.1	.3	.5	.6	.3	•	.0	176	.0	1.5
5	.0	.0	.1	.2	.5	.7	.7	.3	•	.0	294	.0	2.6
4	.0	•	.1	.4	.6	1.2	1.1	.2	•	.0	613	•	5.6
3	.0	•	.1	.3	.7	1.3	1.0	.3	•	.0	626	•	5.7
2	.0	•	.3	.6	1.3	2.3	1.6	.2	•	.0	706	•	6.1
1	.0	•	.2	.7	1.7	2.0	1.0	.1	.0	.0	661	•	5.8
0	.0	•	.5	1.6	3.2	4.2	1.4	.1	.0	.0	1266	.1	11.0
-1	.0	.1	.5	1.5	3.3	3.0	1.0	.1	.0	.0	1072	•	9.3
-2	.0	.1	.9	2.4	4.4	3.9	.8	•	.0	.0	1430	•	12.4
-3	.0	.1	.7	2.0	3.6	2.7	.4	•	.0	.0	1001	•	8.6
-4	.0	.2	1.0	2.6	3.7	1.9	.3	.0	.0	.0	1112	•	9.7
-5	.0	•	1.0	2.1	2.7	1.2	.1	.0	.0	.0	807	•	7.0
-6	.0	.1	.7	1.6	1.9	.6	•	.0	.0	.0	564	•	4.9
-7/-8	•	.1	1.1	2.0	1.7	.5	.1	.0	.0	.0	618	•	5.4
-9/-10	.0	.1	.6	.6	.5	.1	•	.0	.0	.0	205	•	1.8
-11/-13	.0	•	.3	.3	.1	•	.0	.0	.0	.0	84	•	.7
-14/-16	.0	•	•	.1	.0	.0	.0	.0	.0	.0	12	.0	.1
-17/-19	.0	•	.0	•	•	.0	.0	.0	.0	.0	•	•	•
-20/-22	.0	.0	•	•	•	.0	.0	.0	.0	.0	5	.0	•
TOTAL	1		913		3541		1270		90			41	11395
		96		2227		3092		253		3	11436		
PCT	•	.0	8.0	19.5	31.0	27.0	11.1	2.2	.7	•	100.0	.4	99.6

PERIOD: (OVER-ALL) 1961-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.1	.0	.0	.C	.0	1.6	.1	.3	•	.C	.C	.0	.4
1-2	.5	3.1	1.1	.0	.C	.0	4.6	•	.4	.C	.C	.C	.C	.5
3-4	.1	1.4	1.1	.0	.C	.0	2.6	•	.1	.1	.C	.C	.C	.2
5-6	.0	.2	.7	•	.C	.0	.9	.0	•	•	.C	.C	.C	.1
7	.0	.1	.2	•	.0	.0	.4	.0	.0	•	.C	.C	.0	•
8-9	.0	.0	.0	•	.C	.0	•	.0	.0	.0	.C	.C	.0	.C
10-11	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
12	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
13-16	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
17-19	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
20-22	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.0
23-25	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.0
26-32	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.0	.0
TOT PCT	1.1	5.1	3.1	.1	.C	.0	10.3	.1	.9	.1	.0	.C	.C	1.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.2	.0	•	•	.0	.C	.0	.1
1-2	•	.3	•	.C	.C	.0	.4	•	.1	•	.0	.C	.0	.4
3-4	•	.1	.0	.0	.C	.0	.1	•	.1	•	.0	.C	.C	.2
5-6	.0	.0	.0	.0	.C	.0	.0	•	.0	.0	.0	.C	.0	•
7	.0	•	•	.0	.C	.0	.1	.0	•	.0	.C	.C	.0	•
8-9	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.C	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
13-16	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
17-19	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
20-22	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C
23-25	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.C	.C	.C	.0
26-32	.C	.0	.C	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.C
33-40	.0	.0	.0	.0	.C	.0	.0	.0	.C	.0	.C	.C	.C	.C
41-48	.0	.0	.0	.0	.C	.0	.0	.0	.0	.C	.0	.C	.0	.C
49-60	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.C
61-70	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.C
71-86	.0	.0	.0	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0	.C
87+	.0	.0	.0	.0	.C	.0	.C	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.2	.6	.1	.0	.C	.0	.0	.1	.5	.1	.0	.C	.0	.7

PERIOD: (OVER-ALL) 1963-1979 — AREA 0005 PUERTO VALLARTA 20.4N 107.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.1	.4	.1	.0	.0	.0	.5
3-4	.1	.1	.0	.0	.0	.0	.2
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.1	*	.0	.0	1.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.0	.0	.0	.0	.8
1-2	*	1.2	*	.0	.0	.0	1.3
3-4	.1	.3	.2	.0	.0	.0	.5
5-6	.0	*	.0	*	.0	.0	*
7	.0	.0	*	*	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.0	.3	*	.0	.0	2.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.1	*	.0	.0	.0	3.0
1-2	.5	7.7	2.2	.0	.0	.0	10.4
3-4	.3	3.5	3.7	.1	.0	.0	7.5
5-6	.1	.5	2.2	.2	.0	.0	3.0
7	.0	.0	.6	.3	.0	.0	.9
8-9	.0	.1	.1	.1	.0	.0	.2
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	*	.0	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	13.8	8.9	.7	.0	.0	25.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	3.1	.2	.0	.0	.0	4.1
1-2	1.0	13.5	5.6	.0	.0	.0	20.0
3-4	.3	6.6	10.0	.1	.0	.0	19.0
5-6	*	1.7	5.8	.5	*	.0	8.1
7	.0	.3	1.4	.4	.0	.0	2.1
8-9	.0	.1	.1	.2	.0	.0	.4
10-11	.0	.0	*	*	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	27.3	23.1	1.3	*	.0	53.8	95.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.3	7.7	.3	.0	.0	.0	15.4	
1-2	2.5	26.8	8.9	.0	.0	.0	38.2	
3-4	.9	14.0	14.9	.2	.0	.0	30.0	
5-6	.1	2.5	8.7	.7	*	.0	12.0	
7	.0	.4	2.3	.8	.0	.0	3.5	
8-9	.0	.1	.2	.3	.0	.0	.7	
10-11	.0	.0	.1	*	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	*	*	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.8	51.6	35.4	2.1	*	.0	100.0	2858

PERIOD: (OVER-ALL) 1969-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.2	17.1	19.9	8.5	2.4	.6	.3	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	4926	3
6-7	.2	2.2	7.8	7.0	2.9	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2004	4
8-9	*	1.0	2.8	2.8	1.4	.5	.2	*	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	816	5
10-11	.0	.7	1.4	1.1	.4	.3	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	573	6
12-13	.0	.0	.7	.5	.4	.1	*	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	161	9
14+	.0	.0	*	.4	.3	.1	.1	*	.1	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	105	7
INDET	4.7	1.5	1.0	1.2	.4	.1	.1	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	915	2
TOTAL	842	2103	3191	2000	760	242	100	27	14	8	1	1	0	1	0	0	0	0	0	9298	4
PCT	9.1	22.6	34.3	21.6	8.2	2.6	1.1	.3	.2	.1	*	*	.0	*	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1881-1979

AREA CODE PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
N	1.1	.6	.9	.0	.0	.0	.0	2.5	.6	2.1	.0	.C	.9	.C	.C	94.2
NE	2.2	.9	1.6	.0	.0	.0	.0	4.2	2.3	2.7	.C	.C	1.3	.C	.C	90.3
E	3.9	3.1	.9	.0	.0	.0	.0	7.9	1.6	4.1	.C	.C	.6	.C	.C	85.7
SE	3.2	2.2	1.5	.0	.0	.0	.0	6.9	1.7	2.2	.4	.0	1.2	.C	.C	87.8
S	2.2	.6	1.9	.0	.0	.0	.0	4.7	1.6	2.0	.5	.3	1.4	.C	.C	89.5
SW	.3	.4	.1	.0	.0	.0	.0	.8	.3	1.0	.4	.2	2.1	.C	.C	95.2
W	.2	.2	.4	.0	.0	.0	.0	.8	.2	.8	.3	.C	1.6	.1	.C	96.3
NW	.4	.2	.2	.0	.0	.0	.0	.8	.4	.9	.2	.C	1.3	.1	.C	96.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.C	.0	.C	.C	.0	.C	.C	.C
CALM	.5	.0	.8	.0	.0	.0	.0	1.2	.C	1.4	.9	.C	2.9	.C	.C	93.2
TOT PCT	.7	.4	.5	.0	.0	.0	.0	1.6	.4	1.2	.3	*	1.5	*	*	94.9
TOT OBS: 11478																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCY BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY DUST SNOW	NO SIG WEA
00603	.3	.3	.3	.0	.0	.0	.0	.9	.2	.2	.3	.0	1.9	.0	.0	96.5
06609	.7	.3	.3	.0	.0	.0	.0	1.2	.4	3.2	.2	.0	1.2	.1	.1	93.8
12615	1.3	.6	1.2	.0	.0	.0	.0	3.1	.8	1.7	.5	*	1.1	.1	.1	92.7
18621	.5	.6	.3	.0	.0	.0	.C	1.5	.6	.1	.2	.1	1.7	.C	.C	96.0
TOT PCT	.7	.4	.5	.0	.0	.0	.0	1.6	.5	1.2	.3	*	1.5	*	*	94.8
TOT OBS: 11671																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	4.4	1.4	*	.0	.0		6.7	8.1	4.4	5.0	6.1	6.2	8.6	8.3	8.C	3.5
NE	.3	1.4	.3	*	*	.0		2.0	7.3	.8	2.8	1.5	.6	2.7	1.6	3.C	2.7
E	.5	1.5	.5	.1	*	*		2.6	8.9	1.8	2.8	2.5	.6	2.8	3.1	3.7	5.0
SE	.7	1.9	1.2	.4	*	*		4.2	10.4	3.8	4.3	3.6	3.6	3.7	3.3	5.7	2.6
S	.7	2.4	.6	.1	*	.0		3.8	7.6	3.8	2.4	3.6	1.9	3.5	2.9	4.6	2.6
SW	.8	4.8	1.2	.1	.0	.0		6.8	7.7	8.3	3.9	9.C	4.1	5.9	8.3	7.4	10.9
W	2.4	17.4	10.1	.4	*	.0		30.5	9.8	36.1	31.3	31.1	37.9	26.6	29.6	27.4	35.7
NW	2.3	20.1	14.0	.8	*	.0		37.3	10.4	38.2	42.6	40.2	37.0	37.4	37.0	33.9	33.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.C	.C	.0	.0	.C	.0
CALM	6.0							6.0	.0	2.8	4.0	6.4	4.1	8.7	5.9	6.6	3.2
TOT OBS	1792	6579	3582	254	12	2	12221		9.C	2873	226	2639	169	2554	340	3235	185
TOT PCT	14.7	53.8	29.3	2.1	.1	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.9	3.7	.2	*	.C		6.7	8.1	4.4	6.1	8.3	7.8
NE	1.1	.8	.1	*	*		2.C	7.3	.9	1.4	2.6	3.0
E	1.3	1.1	.2	.1	*		2.6	8.9	1.9	2.3	2.9	3.4
SE	1.6	1.8	.7	.1	*		4.2	10.4	3.9	3.6	3.7	5.6
S	2.8	1.5	.2	*	.0		3.8	7.6	3.7	3.5	3.4	4.5
SW	3.1	3.4	.2	*	.C		6.8	7.7	8.0	5.2	6.1	7.6
W	9.3	18.3	2.8	.1	.0		30.5	9.8	35.8	31.5	27.C	27.9
NW	9.5	23.5	4.2	*	*		37.3	10.4	38.5	40.0	37.4	33.9
VAR	.0	.0	.0	.0	.0		.0	.0	.C	.0	.0	.0
CALM	6.0						6.0	.0	2.9	6.3	8.4	6.5
TOT OBS	4564	6617	1050	43	7	12221		9.0	3099	2808	2894	3420
TOT PCT	36.9	54.1	8.6	.4	.1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1901-1970

AREA OCCS PUERTO GALLARTA
20.5N 107.4W

TABLE 5

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0515Z3	2.9	6.8	51.4	36.2	2.4	.2	0	10.1	100.0	3099
0607Z4	6.7	7.0	53.2	31.6	1.4	0	.0	9.3	100.0	2960
1715Z5	6.4	9.5	55.8	28.5	1.8	.1	0	8.7	100.0	2894
1907Z1	6.5	11.1	56.9	25.3	2.2	.1	.0	8.5	100.0	3027
TOT	731	1041	6579	3582	256	12	2	9.0		12221
PCT	6.0	8.7	53.8	29.3	2.1	.1	0		100.0	

TABLE 6

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-6	7-8	9 OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.4	1.6	2.0	.7		3.6
NE	.5	.4	.7	.7		4.8
E	.6	.5	.9	.4		4.7
SE	1.0	.6	1.5	.8		4.7
S	1.3	.7	1.4	.5		4.2
SW	2.8	1.4	2.0	.6		3.6
W	13.0	6.6	9.0	4.2		3.6
NW	15.3	7.7	10.0	4.5		3.6
VAR	.0	.0	.0	.0		.0
CALM	2.6	1.4	1.4	.6		3.6
TOT OBS	3681	1980	2619	1084	9358	3.6
TOT PCT	39.3	21.2	27.9	11.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >0/0) AND OCCURRENCE OF HH <5/0 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3900	4000 4900	5000 6900	6500 7900	8000+	HH <5/0 AMT PCT	TOTAL OBS
N	0	0	.1	.2	.8	.9	.2	0	0	0	5.2	
NE	0	0	0	0	.3	.1	0	0	0	0	1.9	
E	0	.0	0	.3	.2	.1	.1	0	.0	.0	1.6	
SE	0	0	.1	.3	.6	.3	.1	0	.0	0	2.8	
S	0	0	.1	.2	.6	.2	.1	.0	0	0	2.8	
SW	0	.0	.1	.3	.6	.3	.1	0	.1	0	4.2	
W	.1	0	.2	1.4	5.2	1.6	.6	.2	.1	.1	23.1	
NW	.1	.2	.3	2.3	5.9	1.9	.8	.3	.1	.2	27.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	0	.3	.5	.2	.1	0	0	0	4.8	
TOT OBS	36	27	82	907	936	869	211	51	31	0	6968	9358
TOT PCT	.4	.3	.9	9.4	10.0	9.0	2.3	.5	.3	.4	74.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >0/0) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5/8C	: OR >0
: OR >6500	.7	.7	.8	.8	.8	.8	.8	.8
: OR >5000	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
: OR >3500	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
: OR >2000	7.8	8.5	8.6	8.6	8.6	8.6	8.6	8.6
: OR >1000	16.5	18.3	18.6	18.6	18.6	18.6	18.6	18.6
: OR >600	21.1	23.6	23.9	23.9	24.0	24.0	24.0	24.0
: OR >300	21.6	24.4	24.8	24.8	24.8	24.9	24.9	24.9
: OR >150	21.8	24.7	25.0	25.1	25.1	25.1	25.1	25.1
: OR > 0	22.0	24.9	25.4	25.4	25.5	25.5	25.5	25.5
TOTAL	2055	2372	2412	2419	2423	2427	2428	2428

TOTAL NUMBER OF OBS: 9513 PCT FREQ HH <5/0: 74.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
24.0	16.1	14.5	11.3	8.4	5.8	6.4	5.8	7.1	.2	10016

PERIOD: (PRIMARY) 1957-1979
(OVER-ALL) 1881-1979

AREA MOCS PUERTO VALLARTA
20.5N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	*	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.1	.1	
	TOT %	.0	.0	*	*	.0	.0	.0	*	.0	.1	.1	
1/2<1	PCP	.0	*	*	*	*	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	*	.0	*	*	*	.0	.0	*	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.1	
1<2	PCP	*	*	.0	.0	*	.0	.0	*	.0	*	.1	
	NO PCP	.0	.0	.0	*	*	*	*	*	.0	.0	.1	
	TOT %	*	*	.0	*	*	*	*	*	.0	*	.1	
2<5	PCP	*	*	*	.1	*	.0	*	*	.0	.0	.2	
	NO PCP	*	*	*	*	*	*	.1	.1	.0	*	.3	
	TOT %	*	*	*	.1	*	*	.1	.1	.0	*	.4	
5<10	PCP	*	*	.1	.1	.1	*	.1	.1	.0	*	.5	
	NO PCP	.4	.2	.2	.4	.3	.4	2.0	2.5	.0	.4	6.7	
	TOT %	.5	.2	.3	.5	.3	.4	2.0	2.6	.0	.4	7.3	
10+	PCP	.1	*	.1	.1	.1	*	.2	.1	.0	*	.4	
	NO PCP	6.2	1.7	2.1	3.4	3.3	6.2	28.4	36.6	.0	5.3	91.2	
	TOT %	6.3	1.7	2.2	3.5	9.4	6.3	28.5	36.7	.0	5.3	92.0	
	TOT OBS												11471
	TOT PCT	6.8	2.0	2.5	4.2	3.7	6.8	30.7	37.5	.0	5.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD MPS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	*	.0	.0	.0	.0	*	*	*	.0		.1	
	11-21	.0	.0	*	.0	.0	.0	*	*	.0		.1	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	*	*	.0	*	.1	.1	.0	.1	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	4-10	*	.0	.0	*	.0	*	*	*	.0		.1	
	11-21	.0	.0	*	*	*	.0	*	.0	.0		*	
	22+	.0	*	*	.0	*	.0	.0	.0	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.1	
1<2	0-3	.0	.0	.0	*	.0	.0	.0	*	.0	*	*	
	4-10	.0	.0	.0	*	*	.0	*	.0	.0		*	
	11-21	.0	.0	*	*	*	*	*	*	.0		.1	
	22+	*	*	.0	*	*	.0	.0	.0	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.2	
2<5	0-3	.0	.0	.0	*	.0	*	*	*	.0	*	.1	
	4-10	*	*	*	*	*	*	.1	.1	.0		.3	
	11-21	*	*	*	*	*	*	.1	.1	.0		.3	
	22+	*	*	*	*	.0	.0	*	*	.0		.1	
	TOT %	.1	*	*	.1	*	.1	.2	.2	.0	*	.7	
5<10	0-3	.1	*	*	.1	*	*	.1	.2	.0	.4	1.0	
	4-10	.3	.1	.1	.2	.2	.3	1.0	1.3	.0		3.4	
	11-21	.1	.1	.1	.2	.1	.1	.8	1.1	.0		2.5	
	22+	.0	*	.1	.1	.0	*	.1	*	.0		.4	
	TOT %	.5	.2	.3	.5	.3	.4	2.0	2.6	.0	.4	7.2	
10+	0-3	.8	.3	.4	.6	.7	.7	2.3	2.0	.0	5.4	13.3	
	4-10	4.1	1.3	1.3	1.7	2.1	4.4	16.3	18.7	.0		49.9	
	11-21	1.3	.2	.4	1.0	.5	1.0	9.4	13.0	.0		26.7	
	22+	*	*	.1	.2	.1	*	.5	.8	.0		1.7	
	TOT %	6.2	1.7	2.2	3.6	3.4	6.2	28.4	34.5	.0	5.4	91.6	
	TOT OBS												11916
	TOT PCT	6.8	2.0	2.5	4.2	3.7	6.7	30.7	37.4	.0	5.8	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1951-1979

TABLE 1C

AREA 0005 PUERTO ROLLOA'S
2C.5N 107.0W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,HH >0/01 AND
OCCURRENCE OF HH <5/8 BY HOUR

HOUR (GMT)	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6400	6500 7900	8000+	TOTAL	HH <5/8 AND HGT	TOTAL OBS
00&03	.1	.1	.5	3.6	7.8	3.9	1.9	.2	.3	.1	18.9	81.1	2585
06&09	.6	.0	.9	6.1	8.6	6.0	1.5	.6	.6	.2	2C.6	79.4	2269
12&15	.6	.6	1.0	6.1	13.5	6.4	2.6	.7	.2	.7	31.5	68.5	2299
18&21	.3	.3	.9	6.5	9.C	5.1	2.6	.8	.3	.6	2C.1	79.9	2703
TOT	38	27	83	517	952	679	214	52	32	40	2C3C	7962	9896
PCT	.4	.3	.8	5.2	9.6	6.8	2.2	.5	.3	.4	2C.6	79.4	100.C

TABLE 11

PERCENT FREQUENCY VSBY (MMI BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.1	.1	.6	5.7	93.5	3C49
06&09	.1	0	.1	.5	7.1	92.2	2C18
12&15	.3	.2	.3	1.2	9.9	87.9	2876
18&21	.2	.1	.1	.6	6.7	92.3	3373
TOT	25	13	18	86	886	11084	12112
PCT	.2	.1	.1	.7	7.3	91.5	1CC.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (MMI AND/OR
CEILING HGT (FEET,HH >0/01,BY HOUR

HOUR (GMT)	<150 <5CYD	<600 <1	<1000 <2	1000+ AND5+	HH <5/8 AND 5+	TOTAL OBS
00&03	.1	.9	4.7	15.0	8C.3	2677
06&09	.5	1.5	5.9	15.7	78.4	2172
12&15	.8	2.6	12.7	2C.4	62.9	2218
18&21	.5	1.6	6.6	18.5	7C.9	265C
TOT	38	156	699	1764	7C89	9513
PCT	.4	1.6	7.3	18.5	7C.3	1CC.C

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.C	.0	.0	0	0	0	0	.0	5	.1
90/94	.0	0	0	0	.4	.1	.1	0	59	.6
85/89	.0	0	0	.3	1.4	3.0	1.0	.2	576	6.C
80/84	.0	.0	0	.4	3.8	12.9	11.2	2.3	2929	30.5
75/79	.0	.0	0	.2	2.2	12.6	14.2	5.4	3325	34.7
70/74	.0	.0	0	0	.9	5.0	9.9	5.4	2026	21.1
65/69	.0	.C	.0	0	0	.8	3.3	2.3	621	6.5
60/64	.0	.0	.C	.0	0	0	.2	.3	98	.5
TOTAL	0	2	10	95	829	3304	3825	1524	9589	100.0
PCT	.0	0	.1	1.0	8.6	34.5	39.9	15.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.C	.0	0	0	.0	0	.0	.C	.C
0	0	0	.1	0	0	.1	.2	.0	0
.4	.2	.3	.6	.8	.4	1.4	1.7	.C	.5
3.0	1.1	1.2	2.1	1.6	2.C	7.C	10.2	.C	2.5
2.5	.6	.9	1.0	1.1	2.4	10.6	15.1	.0	2.3
1.0	.1	.1	.2	.4	1.2	8.1	9.1	.0	.8
.2	0	0	.1	.1	.2	2.5	3.3	.0	.1
0	.0	.0	0	.C	0	.1	.1	.0	.C
7.1	2.0	2.5	4.1	3.7	6.4	30.C	39.1	.0	6.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	9C	86	80	70	67	60	79.1	9107
06&09	93	8%	82	76	68	65	62	75.8	2851
12&15	93	8%	82	76	67	64	61	75.5	2943
18&21	95	89	86	80	70	66	63	79.2	3441
TOT	95	88	85	78	68	65	60	77.5	12342

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-1CO	MEAN	TOTAL OBS
00&03	.C	1.7	11.7	45.4	32.9	8.3	78	2961
06&09	.0	.5	3.2	24.1	5C.0	22.2	83	2121
12&15	.0	.5	3.2	21.7	48.0	26.6	84	2315
18&21	.C	1.7	15.2	43.6	33.1	6.5	78	2866
TOT	C	1CC	847	3361	3906	156C	81	9757

PERIOD: (PRIMARY) 1959-1979 AREA CCDS PUERTO VALLARTA
(OVER-ALL) 1961-1979 TABLE 17 20.5N 105.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE COINCIDENCE OF FOG WITH-OUT PRECIPITATION
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	81	85	89	>92	TOT	* FOG	* PCG
TMP DIF	60	64	68	72	76	80	84	88	97				
23/24	.0	.0	.0	.0	.0	*	*	.0	*	.0	9	.0	*
20/22	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	1	.0	*
17/19	.0	.0	.0	.0	.0	*	*	*	*	.0	7	.0	.1
14/16	.0	.0	.0	.0	*	*	.1	.1	.1	*	70	.0	.1
11/13	.0	.0	.0	*	*	.2	.1	.2	.1	*	84	*	.1
9/10	.0	.0	.0	*	.1	.1	.4	.3	.1	.1	176	.0	1.1
7/8	.0	.0	.0	.1	.1	.4	.4	.4	.2	.0	216	*	2.0
6	.0	.0	*	.2	.1	.4	.4	.4	.1	.0	194	.0	1.7
5	.0	*	*	.1	.1	.4	.8	.7	.1	.0	274	*	2.4
4	.0	.0	.1	.1	.1	.4	1.0	.7	.1	.0	192	.0	1.7
3	.0	.0	.1	.2	.2	.8	1.0	1.0	.7	.1	.0	406	*	3.0
2	.0	*	.2	.4	1.1	1.5	1.9	.8	*	.0	627	*	5.0
1	.0	*	.2	.5	1.2	1.5	2.2	.4	*	.0	660	*	6.2
0	.0	*	.3	1.1	1.9	3.4	3.4	.5	*	.0	1197	*	10.7
-1	.0	.1	.3	1.0	1.7	2.9	3.4	.2	*	.0	1013	*	9.5
-2	.0	*	.5	1.4	2.6	4.1	3.4	.1	.0	.0	1308	*	12.2
-3	.0	*	.3	1.4	2.1	3.5	1.8	.1	.0	.0	1010	*	9.4
-4	.0	*	.7	1.4	2.4	3.4	1.2	*	.0	.0	1001	*	9.4
-5	.0	*	.5	1.3	2.1	2.0	.7	*	.0	.0	797	*	7.4
-6	.0	*	.3	.9	1.4	1.1	.2	*	.0	.0	468	*	4.4
-7/-8	.0	.1	.4	1.3	2.1	1.2	.2	.0	.0	.0	581	*	5.4
-9/-10	.0	.1	.3	.7	.8	.3	.1	.0	.0	.0	237	*	2.2
-11/-13	.0	*	.1	.3	.2	.1	*	*	.0	.0	82	*	.7
-14/-16	.0	.0	.1	*	*	.0	.0	.0	.0	.0	12	.0	.1
-17/-19	.0	*	*	.0	.0	*	.0	.0	.0	.0	7	.0	.1
-20/-22	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
-23/-25	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	1		481		2089		2023		95			30	10677
		99		1355		1236		616		30	10677		
PCT	*	.5	4.6	12.7	22.5	30.3	22.7	5.8	.9	.1	100.0	.1	99.7

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	1.0
1-2	.4	2.1	.4	.0	.0	.0	3.0
3-4	.1	1.1	.0	.0	.0	.0	2.0
5-6	.0	.2	.3	.0	.0	.0	.5
7	.0	*	.1	.0	.0	.0	.2
8-9	.0	*	*	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.1	1.6	.0	.0	.0	6.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.6
1-2	.1	.5	.0	.0	.0	.0	.6
3-4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.0	.1	.0	.0	.0	1.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.2	*	.0	.0	.0	.5
1-2	.1	.7	.1	.0	.0	.0	.9
3-4	.0	.4	.1	.0	.0	.0	.5
5-6	.0	.1	.1	.1	.0	.0	.2
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.6	.4	.1	.0	.0	2.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.5
1-2	.2	.7	*	.0	.0	.0	1.0
3-4	.0	.3	.2	.0	.0	.0	.5
5-6	.0	*	.2	.1	.0	.0	.3
7	.0	.0	.1	.2	.0	.0	.2
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	*	.0	.0	*
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.1	.5	.3	.0	.0	2.5

PERIOD: (OVER-ALL) 1963-1979 — TABLE 18 (CONT) — AREA CODE PUERTO VALLARTA 20.5N 107.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.7
1-2	.2	.6	*	.0	.0	.0	.8
3-4	.0	.4	.1	.0	.0	.0	.6
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.6	.4	*	.0	.0	2.3

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	*	.0	.0	.0	1.0
1-2	.1	2.5	.3	.0	.0	.0	2.9
3-4	*	.9	.4	.0	.0	.0	1.4
5-6	.0	.1	.2	.0	.0	.0	.3
7	.0	*	.0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.3	.9	.0	.0	.0	5.6

W

HGT	1-7	8-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.0	.2	.0	.0	.0	2.7
1-2	.8	10.5	5.1	.0	.0	.0	16.4
3-4	.2	3.9	5.1	.1	.0	.0	9.2
5-6	.1	1.6	2.2	.3	.0	.0	3.6
7	.0	.1	.8	.2	.0	.0	1.1
8-9	.0	.1	.1	.1	.0	.0	.3
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	17.7	11.4	.7	*	.0	31.4

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	2.4	.1	.0	.0	.0	3.1	
1-2	.8	11.7	4.2	*	.0	.0	16.7	
3-4	.1	6.0	7.9	.3	.0	.0	14.3	
5-6	.0	1.1	4.3	.4	.0	.0	5.8	
7	.0	.1	1.1	.1	.0	.0	1.3	
8-9	.0	.1	.3	.1	.0	.0	.4	
10-11	.0	.0	.1	*	.0	.0	.2	
12	.0	.0	.0	*	.0	.0	*	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	21.3	17.9	1.1	*	.0	41.9	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.8	7.6	.4	.0	.0	.0	16.7	
1-2	3.1	28.8	8.1	*	.0	.0	40.0	
3-4	.5	13.0	14.4	.4	.0	.0	28.3	
5-6	.1	2.5	7.3	.8	.0	.0	10.7	
7	.0	.3	2.1	.5	.0	.0	3.0	
8-9	.0	.2	.4	.3	.0	.0	.9	
10-11	.0	.0	.1	*	.1	.0	.2	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	*	.0	.0	*	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2517
TOT PCT	12.5	52.3	32.8	2.1	.1	.0	100.0	

PERIOD: (OVER-ALL) 1969-1979 — TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PEAK HGT
<6	9.1	17.2	16.1	7.7	2.2	.6	.3	.1	.1	*	.C	.0	.0	.0	.0	.0	.C	.C	.0	9127	3
6-7	.1	2.6	7.3	7.7	3.2	1.2	.6	.2	.2	.C	*	.0	*	.0	.0	.0	.0	.0	.0	1995	4
8-9	.1	.9	2.2	2.9	1.5	1.1	.9	.2	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	819	5
10-11	.0	.6	.8	.9	.7	.4	.2	.1	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	331	6
12-13	.0	.0	.6	.5	.4	.2	.1	*	.1	.0	.C	.0	.0	*	.0	.0	.0	.0	.0	184	6
>13	.C	.0	.0	.0	.2	.1	.1	*	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.C	67	7
SWEET	9.7	1.4	2.2	1.0	.4	.2	.1	.1	*	.0	.0	.0	.0	*	.0	.0	.0	.C	.0	876	2
TOTAL	768	1977	2677	1796	729	327	166	66	62	8	5	1	1	2	0	0	0	0	0	8575	4
PCT	9.0	23.1	31.2	20.9	8.5	3.8	1.9	.8	.7	.1	.1	*	*	*	.0	.0	.0	.C	.0	100.0	

JULY

PERIOD: (PRIMARY) 1953-1979 AREA MGDS PUERTO VALLARTA
(OVER-ALL) 1879-1979 20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	HC STG WFA
N	1.0	.2	.0	.0	.0	.0	.0	2.1	.P	3.7	.2	.1	.0	.1		92.3
NE	2.7	1.2	.0	.0	.0	.0	.0	4.7	1.7	6.9	.1	*	.5	.C		86.5
E	3.3	1.7	1.0	.0	.0	.C	.1	6.5	5.9	9.1	.1	.C	.6	.C		81.0
SE	3.0	3.0	1.7	.0	.0	.C	.0	8.7	9.5	5.C	.C	.C	.9	.1		82.1
S	3.5	1.6	1.0	.0	.0	.6	.0	8.7	3.6	5.3	.1	.1	.7	.C		84..
SW	2.1	.9	.9	.0	.0	.0	.0	3.0	1.6	3.8	.1	.C	.9	.P		90.5
W	1.1	.4	.3	.0	.0	.C	.0	1.8	.6	2.8	.2	.C	1.2	.1		93.5
NW	.6	.1	.3	.0	.0	.0	.0	1.1	.4	2.9	.5	.C	.5	*		94.7
VAR	.C	.0	.0	.0	.0	.0	.C	.C	.C	.C	.C	.C	.C	.C		.C
CALM	.9	.3	.2	.0	.0	.0	.0	1.4	.6	6.0	.4	.0	1.2	.C		90.5
TOT PCT	1.7	.9	.7	.0	.0	.0	*	5.2	1.6	6.0	.3	*	.4	.1		90.1
TOT OBS:	11500															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	HC STG WFA
00E03	1.2	.4	.3	.0	.0	.0	.0	1.9	1.F	.4	.3	.C	.4	*		96.1
04E09	1.5	.4	.8	.0	.0	.0	.0	2.8	1.1	10.1	.2	.C	1.1	.1		89.2
12E15	2.8	1.6	1.0	.0	.0	.C	.1	5.4	2.9	6.6	.3	.C	.7	.1		85.C
16E21	1.5	1.0	.7	.0	.0	.0	.C	3.1	1.7	.4	.2	.1	.4	.C		93.8
TOT PCT	1.7	.9	.7	.C	.0	.C	*	3.2	1.4	4.2	.2	*	.4	.1		90.1
TOT OBS:	11892															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.5	6.C	1.8	*	.0	.C		9.4	7.7	7.7	7.C	8.C	7.2	10.1	7.4	12.2	7.7
NE	.8	3.1	.5	*	*	*		4.5	7.C	2.1	2.P	3.9	4.2	4.2	4.2	7.1	4.4
E	.9	3.8	1.7	.1	*	*		6.2	8.9	3.7	5.8	5.9	5.8	7.4	6.2	8.6	6.1
SE	1.1	5.7	3.1	1.1	.2	*		11.C	11.5	10.5	13.C	10.9	10.1	9.6	12.9	12.2	10.9
S	1.0	6.1	3.2	..	.1	.C		8.6	8.6	8.9	10.4	9.6	7.7	6.9	7.9	6.1	7.8
SW	1.C	4.9	.9	*	.0	.0		6.3	7.3	8.7	6.2	5.8	7.9	7.5	6.C	7.9	7.6
W	2.5	13.9	6.6	*	.0	.C		20.3	8.1	20.1	20.8	22.2	27.9	19.2	23.9	18.9	19.1
NW	2.6	14.0	7.1	.2	.0	.C		24.7	8.7	28.8	28.8	27.5	29.5	26.7	26.5	26.7	28.6
VAR	.0	.0	.0	.C	.0	.0		.0	.C	.C	.C	.F	.F	.F	.F	.F	.F
CALM	6.9							6.9	.C	6.7	6.8	11.2	9.1	11.4	6.9	8.7	9.5
TOT OBS	2961	7093	2926	261	55	6	13017		7.5	2069	222	2721	791	2791	991	1510	2C9
TOT PCT	22.6	54.7	22.5	2.C	.5	*		100.C		100.C	100.C	100.C	100.C	100.C	100.C	100.C	100.C

TABLE 3A

	WIND SPEED (KNOTS)									HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD		00 03	06 09	12 15	18 21
N	9.4	9.6	.3	*	.C		9.4	7.7		7.7 8.C	9.4 10.1	7.4 12.2	7.7
NE	2.6	1.7	.1	*	*		4.5	7.C		2.1 2.P	3.9 4.2	4.2 7.1	4.4
E	2.8	2.6	.4	.1	*		6.2	8.9		3.7 5.8	5.9 7.4	6.2 8.6	6.1
SE	3.6	6.9	1.7	.2	*		11.C	11.5		10.5 13.C	10.9 10.1	9.6 12.9	12.2 10.9
S	3.C	3.C	.6	.1	*		6.6	8.6		8.C 9.6	9.6 7.7	6.9 7.9	6.1 7.8
SW	3.2	3.0	.1	*	.C		6.3	7.3		8.7 6.2	5.8 7.9	7.5 6.C	7.9 7.6
W	8.6	11.C	.7	.C	.C		20.9	8.1		20.1 20.8	22.2 27.9	19.2 23.9	18.9 19.1
NW	10.1	15.2	1.6	*	.C		26.9	8.7		28.8 28.8	27.5 29.5	26.7 26.5	26.7 28.6
VAR	.C	.0	.C	.C	.C		.C	.C		.C .C	.F .F	.F .F	.F .F
CALM	6.9						6.9	.C		6.7 6.8	11.2 9.1	11.4 6.9	8.7 9.5
TOT OBS	5879	5761	667	170	6	12483		7.9		1969 2016	2822 2510		
TOT PCT	47.1	46.2	5.4	1.C	*		100.C			100.C 100.C	100.C 100.C		

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1879-1979

AREA OBOS PUERTO VALLARTA
20.5N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	6.3	11.5	56.8	22.4	2.6	.3	0	8.4	100.0	3065
06609	10.6	10.2	57.5	19.6	1.8	.3	.0	7.7	100.0	2914
12615	11.0	11.0	57.8	18.1	1.8	.2	0	7.5	100.0	2922
18621	8.1	13.6	55.0	21.0	1.8	.3	.1	7.8	100.0	3516
TOT	1109	1452	7063	2526	250	33	4	7.9		12417
PCT	8.9	11.7	56.7	20.3	2.0	.3	0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.9	2.4	3.1	.9		4.0
NE	.8	1.0	1.6	.6		4.7
E	1.0	1.3	2.4	1.2		5.1
SE	1.7	2.4	4.7	2.6		5.3
S	1.2	1.8	2.8	1.3		4.9
SW	1.8	1.5	2.3	.8		4.3
W	7.4	4.8	5.5	1.8		3.6
NW	9.6	7.1	7.7	2.0		3.6
VAR	.0	.0	.0	.0		.0
CALM	1.2	2.1	2.6	.8		3.7
TOT OBS	2796	2350	3121	1135	9402	4.1
TOT PCT	29.7	25.0	33.2	12.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
0	.0	.1	.4	.6	.3	.1	0	.1	0	0.0	
0	0	.1	.2	.4	.3	.1	0	0	.0	5.0	
.1	0	.2	.5	.9	.4	.1	0	0	0	4.0	
.1	0	.3	.9	1.4	.7	.1	.1	.1	0	7.6	
.1	0	.1	.5	.8	.4	.2	.1	0	0	4.8	
0	0	.1	.3	.6	.3	.2	.1	0	0	4.8	
.1	0	.1	.7	1.5	.5	.2	.1	0	.1	16.1	
.1	0	.2	.9	2.0	.8	.4	.2	.1	.1	21.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.1	0	.1	.3	.6	.2	.2	.1	.1	.1	7.4	
55	17	113	449	833	368	169	52	36	36	7280	9402
.6	.2	1.2	4.8	8.9	3.9	1.7	.6	.4	.4	77.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	.7	.8	.8	.8	.8	.8	.8	.8
: OR >5000	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
: OR >3500	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
: OR >2000	6.4	6.9	6.9	6.9	6.9	6.9	6.9	6.9
: OR >1000	14.0	15.6	15.8	15.8	15.8	15.8	15.8	15.8
: OR >600	17.8	20.1	20.5	20.5	20.5	20.5	20.5	20.5
: OR >300	18.6	21.2	21.6	21.7	21.8	21.8	21.8	21.8
: OR >150	18.7	21.3	21.8	21.9	21.9	22.0	22.0	22.0
: OR > 0	18.9	21.7	22.3	22.4	22.5	22.5	22.6	22.6
TOTAL	1823	2093	2143	2157	2164	2169	2171	2171

TOTAL NUMBER OF OBS: 9626

PCT FREQ HH <5/8: 77.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
13.9	20.0	18.7	14.3	10.5	6.2	5.7	4.9	5.7	.3	10220

PERIOD: (PRIMARY) 1953-1970 AREA 0005 PUERTO VALLARTA
(OVER-ALL) 1879-1970 20.5N 105.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	•	•	.0	•	•	•	.0	•	.0	.0	.1	
	NO PCP	.0	.0	•	.0	.0	.0	.0	•	.0	•	•	
	TOT %	•	•	•	•	•	•	.0	•	.0	•	.1	
1/2<1	PCP	.0	.0	•	•	•	•	.0	•	.0	.0	.1	
	NO PCP	.0	•	•	.0	.0	.0	.0	.0	.0	•	•	
	TOT %	.0	•	•	•	•	•	.0	•	.0	•	.1	
1<2	PCP	.0	•	•	•	•	•	•	.0	.0	•	.2	
	NO PCP	•	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	TOT %	•	•	•	•	•	•	•	•	.0	•	.2	
2<5	PCP	•	•	.1	.1	•	•	•	•	.0	.0	.3	
	NO PCP	.1	•	.1	.1	•	•	•	.1	.0	•	.4	
	TOT %	.1	•	.1	.2	.1	.1	.1	.1	.0	•	.8	
5<10	PCP	.1	.1	.1	.3	.1	.1	.2	.1	.0	•	1.1	
	NO PCP	.4	.4	.6	1.1	.4	.5	1.1	1.2	.0	.4	6.0	
	TOT %	.5	.5	.7	1.4	.5	.6	1.3	1.2	.0	.4	7.1	
10+	PCP	.1	.1	.2	.4	.2	.1	.1	.2	.0	.1	1.4	
	NO PCP	8.8	3.9	5.1	9.0	5.9	5.5	18.7	25.2	.0	8.1	90.3	
	TOT %	8.9	3.9	5.3	9.4	6.1	5.6	18.8	25.3	.0	8.2	91.7	
	TOT OBS												11571
	TOT PCT	9.5	4.5	6.2	11.1	6.6	6.3	20.2	26.8	.0	8.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	•	
	4-10	•	•	•	.0	•	•	.0	•	.0		.1	
	11-21	.0	.0	.0	•	•	.0	.0	.0	.0		•	
	22+	.0	•	•	•	•	.0	.0	•	.0		•	
	TOT %	•	•	•	•	•	•	.0	•	.0	•	.1	
1/2<1	0-3	.0	•	•	•	.0	.0	.0	.0	.0	•	•	
	4-10	.0	.0	•	.0	•	.0	.0	•	.0		•	
	11-21	.0	.0	.0	.0	•	•	.0	.0	.0		•	
	22+	.0	.0	.0	•	.0	.0	.0	•	.0		.1	
	TOT %	.0	•	•	.1	•	•	.0	•	.0	•	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	•	
	4-10	•	•	•	•	•	•	•	•	.0		.1	
	11-21	.0	.0	•	•	•	.0	•	.0	.0		•	
	22+	.0	.0	•	•	•	.0	.0	•	.0		•	
	TOT %	•	•	•	.1	•	•	•	•	.0	•	.2	
2<5	0-3	.0	•	•	•	•	.0	.0	•	.0	•	.1	
	4-10	.1	•	•	•	•	•	.1	.1	.0		.4	
	11-21	•	•	.1	.1	•	•	.1	.1	.0		.4	
	22+	.0	.0	•	.1	•	•	.0	•	.0		.2	
	TOT %	.1	.1	.2	.3	.1	.1	.1	.2	.0	•	1.1	
5<10	0-3	.1	•	.1	.1	.1	•	.1	.1	.0	.4	1.1	
	4-10	.2	.2	.3	.4	.3	.4	.9	.8	.0		3.5	
	11-21	.2	.2	.2	.5	.1	.1	.3	.3	.0		1.4	
	22+	•	•	.1	.4	.1	•	•	•	.0		.7	
	TOT %	.5	.5	.8	1.3	.5	.6	1.3	1.2	.0	.4	7.1	
10+	0-3	1.4	.7	.7	1.1	.9	.9	2.3	2.4	.0	0.3	10.9	
	4-10	5.7	2.9	3.4	5.0	3.8	3.9	12.4	15.9	.0		52.9	
	11-21	1.6	.3	1.1	2.5	1.1	.8	4.1	6.7	.0		18.3	
	22+	•	.0	.1	.8	.2	•	•	.2	.0		1.3	
	TOT %	8.8	3.9	5.3	9.3	6.0	5.6	19.0	25.2	.0	0.3	91.4	
	TOT OBS												12024
	TOT PCT	9.4	4.5	6.2	11.1	6.6	6.3	20.4	26.7	.0	0.8	100.0	

PERIOD: APR[APRIL] 1951-1970
JUNE-ALL 1970-1970

AREA CODE PUERTO WALLENTA
20.00 187.00

TABLE 1C

PERCENT FREQUENCY OF CEILING HEIGHT(FT) (FEET,00 TO/01 AND VISIBILITY(MI) (MILES,00 TO/01,00 BY MONTH

MONTH (GMT)	000 TO 100	150 TO 200	300 TO 500	600 TO 900	1000 TO 1000	2000 TO 3000	3500 TO 4000	5000 TO 6000	6500 TO 7000	8000+	TOTAL	% OF <5/8 OBS WET	TOTAL OBS
0000*	.3	.1	.7	3.0	6.6	3.3	1.2	.1	.3	.1	16.0	81.2	2062
0400*	.0	0	.9	0.1	7.7	4.2	1.3	.6	.3	.1	21.2	79.0	2320
1201*	1.0	.0	1.9	6.7	12.1	3.9	2.1	.6	.5	.0	29.2	70.0	2305
1602*	.2	.2	1.3	6.0	7.9	3.0	1.0	.6	.0	.0	23.6	79.7	2000
TOT	56	10	115	645	854	370	166	52	36	10	2177	79CT	10000
PCT	.6	.2	1.2	6.6	8.5	3.8	1.6	.9	.6	.0	21.6	79.0	100.0

TABLE 1I

PERCENT FREQUENCY OBSV (000) BY MONTH

MONTH (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000*	.1	.2	.1	.0	5.7	93.0	2010
0400*	.1	.1	.1	.0	7.0	91.6	2001
1201*	.7	.2	.0	1.0	9.0	88.0	2012
1602*	.1	.1	.2	1.2	6.1	92.9	2002
TOT	19	16	26	170	876	11206	12333
PCT	.2	.1	.2	1.1	7.1	91.9	100.0

TABLE 1J

CUMULATIVE PCT FREQ OF OCCURS OF VISBY (000) AND/OR CEILING HGT (FEET,00 TO/01,00 BY MO

MONTH (GMT)	<150 <100*	<200 <1	<300 <1*	1CCC+ OBSV+	5% <5/8 AND 5+	TOTAL OBS
0000*	.0	1.2	5.2	17.5	82.5	2075
0400*	.0	1.0	6.0	15.0	78.0	2221
1201*	1.0	1.0	10.7	27.2	69.1	2204
1602*	.0	1.0	7.0	15.2	77.7	2120
TOT	57	202	698	1507	7625	9629
PCT	.6	2.1	7.1	15.6	77.1	100.0

TABLE 1K

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0 TO 10	10 TO 20	20 TO 30	30 TO 40	40 TO 50	50 TO 60	60 TO 70	70 TO 80	80 TO 90	90 TO 100	TOTAL OBS	PCT MISS
00/00	.0	0	0	.1	.1	0	0	.0	17			.1
00/00	.0	.0	.0	.2	.9	.0	.0	.1	102	1.0		
01/00	.0	.0	0	.2	1.7	11.0	7.0	.0	1020	10.0		
00/00	.0	.0	.1	.2	1.7	25.0	27.7	5.1	5070	50.7		
10/10	.0	.0	.0	0	.1	1.0	16.0	8.0	7000	21.0		
10/10	.0	.0	.0	.0	0	.2	1.0	1.0	112	1.2		
01/00	.0	.0	.0	.0	.0	.0	.1	.2	29	.0		
TOTAL	.0	.1	.1	0	0.0*	36.2	0125	13.0	9000	100.0		
PCT	.0	0	.1	.0	1.2	0.0*	02.0	10.2				

TABLE 1L

PERCENT FREQUENCY OF DIAL DIRECTION BY TEMP

0	02	0	12	1	1a	0	0a	000	TOTAL
0	0	0	0	.0	0	0	.1	.0	0
.2	.1	.1	.0	.2	.1	.1	.0	.0	.1
.2	.0	0.0	2.1	1.2	1.0	2.0	0.0	.0	1.0
5.5	2.0	0.0	0.0	0.0	1.0	0.0	10.0	.0	5.0
1.0	.7	1.2	2.1	1.0	1.0	5.0	5.7	.0	1.7
.2	.1	0	.1	.1	.2	1.1	1.2	.0	.2
0	.0	.0	.0	.0	0	.1	.1	.0	.0
9.5	0.9	0.7	11.2	0.0	0.0	10.7	70.0	.0	9.1

TABLE 1M

MEAN*,MEDIAN* AND PERCENTILES OF TEMP (DEG F) BY MONTH

MONTH (GMT)	MAX	MIN	MEAN	MED	90	10	MISS	OBSV	TOTAL OBS
0000*	00	0.	01	01	77	00	00	07.1	9100
0400*	01	00	01	01	70	01	00	00.1	2000
1201*	01	01	00	01	70	7.	00	10.1	9000
1602*	100	01	00	01*	77	00	00	02.0	9970
TOT	100	01	00	0	75	01	00	01.1	17000

TABLE 1N

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY MONTH

MONTH (GMT)	0 TO 10	10 TO 20	20 TO 30	30 TO 40	70 TO 80	80 TO 90	90 TO 100	MEAN	TOTAL OBS
0000*	.1	1.1	12.1	00.1	77.1	0.1	70	2001	
0400*	.1	.1	7.1	71.1	52.1	10.1	01	2100	
1201*	.1	.1	1.1	20.1	50.1	20.1	05	2120	
1602*	.1	.1	11.1	00.1	12.1	0.1	70	212	
TOT	1	11	101	1001	0219	1012	01	0020	

JULY

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1879-1979

AREA CODE PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT OBS	% FOG	nG FOG
23/25	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
20/22	.0	.0	.0	.0	.0	*	.0	*	2	.0	*
17/19	.0	.0	.0	.0	.0	*	*	*	5	.0	*
14/16	.0	.0	.0	*	*	*	*	*	20	.0	.2
11/13	.0	.0	*	.1	.2	.2	.1	.1	62	.0	.6
9/10	.0	.0	*	.1	.3	.2	.2	.1	101	.0	.9
7/8	.0	*	.1	.2	.4	.5	.5	.1	204	.0	1.8
6	.0	*	*	.2	.4	.6	.7	*	166	.0	1.5
5	*	*	.1	.3	.9	1.1	.5	*	323	*	2.9
4	*	*	.1	.3	1.3	1.5	.4	.0	407	*	3.7
3	.0	*	.2	.5	1.4	1.6	.3	.0	426	.0	3.9
2	*	.1	.3	1.2	3.1	2.3	.2	*	781	.0	7.2
1	*	*	.4	1.5	3.5	2.1	.1	*	844	*	7.7
0	*	.1	.7	2.6	7.7	2.4	.1	.0	1479	*	13.5
-1	.0	.1	.7	2.8	6.4	1.5	.1	.0	1263	*	11.6
-2	*	.2	.9	3.7	8.6	.7	.0	.0	1540	.1	14.1
-3	.0	.1	.7	3.1	5.3	.3	.0	.0	1045	.0	9.6
-4	*	.1	.7	3.5	4.1	.1	.0	.0	929	*	8.5
-5	*	.1	.4	2.6	1.8	.1	*	.0	551	*	5.0
-6	*	.1	.5	1.7	.7	*	.0	.0	319	.0	2.9
-7/-8	*	.1	.4	1.7	.5	*	*	.0	313	.0	2.9
-9/-10	*	.1	.3	.3	.1	*	.0	.0	89	.0	.8
-11/-13	*	.1	.1	*	*	.0	.0	.0	35	.0	.3
-14/-16	.0	*	*	*	.0	.0	.0	.0	*	.0	*
-17/-19	*	*	*	.0	.0	.0	.0	.0	*	.0	*
TOTAL	23		767		5109		286			2%	10805
		129		2891		1675		99	10909		
PCT	.2	1.2	6.8	26.5	46.8	15.4	2.6	.9	100.0	.2	99.8

PERIOD: (OVER-ALL) 1965-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.3	.0	.0	.0	.0	2.1
1-2	.4	4.1	.9	.0	.0	.0	5.4
3-4	*	.9	1.0	.0	.0	.0	1.9
5-6	.1	.1	.3	.0	.0	.0	.5
7	.0	*	.1	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	6.4	2.4	.0	.0	.0	10.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.0	*	.0	.0	.0	1.5
1-2	.3	2.3	.7	.0	.0	.0	3.4
3-4	.1	1.3	1.3	.1	.0	.0	2.8
5-6	.0	.2	1.1	.2	.0	.0	1.4
7	.0	.0	.4	.2	*	.0	.6
8-9	.0	.1	*	.1	.0	.0	.2
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	*	.1	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.5	1.6	.2	.0	.0	9.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.8	*	.0	.0	.0	1.1
1-2	.1	1.9	.5	.0	.0	.0	2.4
3-4	.1	.6	.7	.0	.0	.0	1.4
5-6	.0	.2	.2	.1	.0	.0	.5
7	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.5	1.6	.2	.0	.0	5.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.0	*	.0	.0	.0	1.5
1-2	.3	2.3	.7	.0	.0	.0	3.4
3-4	.1	1.3	1.3	.1	.0	.0	2.8
5-6	.0	.2	1.1	.2	.0	.0	1.4
7	.0	.0	.4	.2	*	.0	.6
8-9	.0	.1	*	.1	.0	.0	.2
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	*	.1	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	4.9	3.6	1.1	.1	.0	10.7

PERIOD: COVER-ALL 1963-1979 TABLE 10 (CONT) DATA CODE PUERTO ROLLADO 20.5N 107.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	.C	.C	.C	.C	1.3
1-2	.3	1.6	.2	.C	.C	.C	2.2
3-4	.2	.9	.5	.C	.C	.C	1.6
5-6	.C	.C	.3	.1	.C	.C	.4
7	.C	.C	.1	.1	.C	.C	.2
8-9	.C	.2	.C	.2	.C	.C	.4
10-11	.C	.C	.C	.C	.C	.C	.C
12	.C	.C	.C	.C	.C	.C	.C
13-16	.C	.C	.C	.C	.C	.C	.C
17-19	.C	.C	.C	.C	.C	.C	.C
20-22	.C	.C	.C	.C	.C	.C	.C
23-25	.C	.C	.C	.C	.C	.C	.C
26-32	.C	.C	.C	.C	.C	.C	.C
33-40	.C	.C	.C	.C	.C	.C	.C
41-48	.C	.C	.C	.C	.C	.C	.C
49-60	.C	.C	.C	.C	.C	.C	.C
61-70	.C	.C	.C	.C	.C	.C	.C
71-86	.C	.C	.C	.C	.C	.C	.C
87+	.C	.C	.C	.C	.C	.C	.C
TOT PCT	1.0	3.5	1.2	.5	.C	.C	6.3

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.8	2.2	.1	.C	.C	.C	3.8	
1-2	.7	6.7	1.4	.C	.C	.C	8.8	
3-4	.1	3.C	2.4	.C	.C	.C	5.5	
5-6	.C	.5	.C	.C	.C	.C	1.5	
7	.C	.C	.2	.C	.C	.C	.2	
8-9	.C	.C	.C	.C	.C	.C	.C	
10-11	.C	.C	.C	.C	.C	.C	.C	
12	.C	.C	.C	.C	.C	.C	.C	
13-16	.C	.C	.C	.C	.C	.C	.C	
17-19	.C	.C	.C	.C	.C	.C	.C	
20-22	.C	.C	.C	.C	.C	.C	.C	
23-25	.C	.C	.C	.C	.C	.C	.C	
26-32	.C	.C	.C	.C	.C	.C	.C	
33-40	.C	.C	.C	.C	.C	.C	.C	
41-48	.C	.C	.C	.C	.C	.C	.C	
49-60	.C	.C	.C	.C	.C	.C	.C	
61-70	.C	.C	.C	.C	.C	.C	.C	
71-86	.C	.C	.C	.C	.C	.C	.C	
87+	.C	.C	.C	.C	.C	.C	.C	
TOT PCT	2.7	12.5	3.2	.5	.C	.C	20.0	93.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT PCT
<1	14.3	10.8	.3	.C	.C	.C	25.4	
1-2	5.7	80.9	6.5	.C	.C	.C	93.6	
3-4	.6	11.8	10.3	.9	.C	.C	23.5	
5-6	.1	2.1	4.C	.6	.C	.C	6.9	
7	.C	.2	1.5	.5	.C	.C	2.1	
8-9	.C	.9	.2	.5	.C	.C	1.1	
10-11	.C	.C	.1	.2	.C	.C	.3	
12	.C	.C	.C	.C	.C	.C	.C	
13-16	.C	.C	.C	.1	.C	.C	.2	
17-19	.C	.C	.C	.C	.C	.C	.C	
20-22	.C	.C	.C	.C	.C	.C	.C	
23-25	.C	.C	.C	.C	.C	.C	.C	
26-32	.C	.C	.C	.C	.C	.C	.C	
33-40	.C	.C	.C	.C	.C	.C	.C	
41-48	.C	.C	.C	.C	.C	.C	.C	
49-60	.C	.C	.C	.C	.C	.C	.C	
61-70	.C	.C	.C	.C	.C	.C	.C	
71-86	.C	.C	.C	.C	.C	.C	.C	
87+	.C	.C	.C	.C	.C	.C	.C	
TOT PCT	20.9	99.8	23.1	2.1	.C	.C	100.0	7667

PERIOD: COVER-ALL 1963-1979 TABLE 11

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	OBS NO.
<6	5.9	17.1	16.1	9.8	3.8	.9	.3	.1	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	54.9	
6-7	.2	2.6	7.4	6.1	2.8	1.5	.7	.2	.2	.1	.C	.C	.C	.C	.C	.C	.C	.C	.C	19.8	
8-9	.C	.8	2.9	3.2	1.5	1.C	.6	.3	.3	.1	.C	.C	.C	.C	.C	.C	.C	.C	.C	9.C	
10-11	.6	.8	1.1	1.7	.8	.5	.3	.2	.C	.1	.C	.C	.C	.C	.C	.C	.C	.C	.C	6.2	
12-13	.C	.C	.7	.4	.3	.2	.2	.1	.1	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	1.9	
>13	.C	.C	.C	.C	.C	.C	.C	.1	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.1	
INVLD	5.5	1.7	2.C	.C	.5	.1	.2	.1	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	9.9	
TOTAL	1626	1901	2507	1101	499	179	107	54	26	C	C	C	C	C	C	C	C	C	C	6501	
PCT	12.C	29.1	38.1	17.5	8.1	4.1	2.9	1.1	1.6	.9	.1	C	C	C	C	C	C	C	C	100.C	

AUGUST

PERIOD: (PRIMARY) 1951-1970 — AREA OCCS PUERTO VALLARTA
(CODED-ALL) 1967-1970 — 20.5N 105.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG	SPRAY DUST SNOW	NO SIG WEA
N	1.3	1.1	.2	.0	.0	.0	.0	2.4	1.2	0.1	.0	.0	.1	.1	.1	95.6
NE	3.1	1.5	.0	.0	.0	.0	.0	5.4	1.1	1.1	.0	.0	.0	.0	.0	96.1
E	0.2	2.0	1.2	.0	.0	.0	.1	0.5	0.0	1.1	.2	.0	.0	.0	.1	79.7
SE	0.3	2.0	1.0	.0	.0	.0	.0	10.0	0.0	0.2	.2	.0	.0	.1	.1	79.4
S	0.6	1.6	2.2	.0	.0	.0	.0	0.2	0.7	0.7	.1	.0	.0	.0	.1	80.1
SW	1.0	1.1	1.5	.0	.0	.0	.0	0.0	2.2	0.0	.7	.0	.1	.0	.0	90.0
W	1.3	.0	.1	.0	.0	.0	.0	2.0	.0	5.0	.1	.0	.0	.0	.1	92.1
NW	.0	.0	.1	.0	.0	.0	.0	1.0	.7	0.0	.0	.0	.0	.1	.0	92.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	0.5	.1	.0	.1	.0	.0	98.7
TOT PCT	2.5	1.1	.1	.0	.0	.0	.0	0.1	1.0	0.0	.1	.0	.1	.1	.1	97.0
TOT OBS: 11502																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZG PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG	SPRAY DUST SNOW	NO SIG WEA
00107	1.3	.0	.1	.0	.0	.0	.0	2.0	1.1	.0	.1	.0	.1	.1	.1	95.2
06609	2.0	.0	.0	.0	.0	.0	.0	0.0	1.7	12.7	.2	.0	.1	.0	.0	82.1
12615	0.0	1.0	1.1	.0	.0	.0	.0	0.0	2.0	12.0	.1	.0	.0	.0	.0	79.0
18621	2.5	1.2	.7	.0	.0	.0	.0	0.7	2.7	.0	.1	.0	.2	.1	.1	92.2
TOT PCT	2.5	1.1	.7	.0	.0	.0	.0	0.1	1.0	0.1	.1	.0	.1	.1	.1	97.0
TOT OBS: 11021																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS) 0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	01	06	09	12	15	18	21
N	1.0	0.0	1.7	0	0	.0		9.0	7.3	6.0	6.7	0.0	9.4	10.7	8.0	12.0	9.5
NE	.0	2.0	.0	0	0	0		3.0	7.2	2.7	1.3	2.0	5.0	4.7	7.2	5.4	2.4
E	1.1	5.0	1.0	.0	.1	0		6.0	9.2	5.0	4.7	5.7	6.7	7.0	10.0	9.3	5.0
SE	1.2	5.7	0.0	1.7	.5	0		12.4	12.0	12.2	12.4	10.0	17.0	11.4	11.4	14.0	17.7
S	1.2	0.5	2.1	.0	.1	0		0.0	9.0	10.0	12.0	0.4	9.7	6.0	6.0	7.0	0.5
SW	1.0	1.7	.5	.1	0	.0		5.4	0.0	7.5	0.4	5.5	6.1	5.7	6.2	0.7	7.7
W	2.2	10.7	1.0	.1	0	.0		15.0	7.0	19.2	10.7	17.5	21.3	15.4	17.0	11.0	10.7
NW	1.1	10.0	0.1	.2	0	.0		20.2	0.0	30.0	20.2	29.4	27.2	20.1	27.6	20.1	23.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	0.1							0.1	.0	0.5	0.0	11.2	7.1	11.3	0.0	0.2	0.7
TOT OBS	2002	0075	2036	121	00	7	17967		0.1	2052	212	2077	197	2030	701	1360	212
TOT PCT	21.4	50.0	21.3	2.0	.5	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	WIND SPEED (KNOTS) 0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT) 00	06	12	18
N	5.1	0.1	.2	0	.0		9.0	7.3	6.0	0.0	10.0	12.3
NE	2.2	1.0	.1	0	0		3.0	7.2	2.0	2.0	5.0	5.3
E	3.1	2.0	.7	.1	0		0.0	0.2	3.0	5.0	0.1	0.3
SE	0.0	0.1	2.4	.0	.1		12.0	12.0	12.3	11.0	11.0	15.0
S	3.0	3.0	1.0	.1	0		0.0	0.0	11.0	0.0	0.0	7.0
SW	3.2	1.0	.2	0	.0		5.0	0.0	7.5	5.0	0.0	0.5
W	7.5	0.0	.0	0	.0		15.0	7.0	19.1	17.0	15.3	12.2
NW	10.3	10.1	1.0	0	0		20.2	0.0	30.3	29.1	20.0	25.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	0.1						0.1	.0	0.7	10.0	11.0	0.0
TOT OBS	5003	5021	000	131	21	12967		0.1	5004	2070	2007	7532
TOT PCT	00.1	03.0	0.0	1.1	.2		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1951-1979
(OVER-ALL) 1882-1979

AREA 0005 PUERTO VALLARTA
20.5N 105.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.7	11.8	54.3	23.9	2.6	.7	0	8.5	100.0	3064
06&09	10.9	11.8	54.9	19.3	2.4	.6	0	7.8	100.0	2874
12&15	11.0	12.0	54.1	20.0	2.4	.5	0	7.8	100.0	2867
18&21	8.0	14.0	52.8	21.7	2.9	.4	.1	8.1	100.0	3532
TOT	1120	1502	6675	2636	321	66	7	8.1		12367
PCT	9.1	12.5	54.0	21.3	2.6	.5	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.1	2.9	2.8	1.0		5.9
NE	.9	.9	1.4	.5		4.8
E	1.0	1.5	2.5	1.6		5.2
SE	1.7	2.5	5.4	3.1		5.4
S	1.6	2.0	2.9	2.0		5.0
SW	1.4	1.5	1.7	.8		4.4
W	5.7	4.4	4.4	1.5		3.8
NW	10.4	8.1	8.0	2.2		3.6
VAR	.0	.0	.0	.0		.0
CALM	3.2	2.6	2.4	.7		3.5
TOT OBS	2734	2471	2981	1265	9451	4.2
TOT PCT	28.9	26.1	31.5	13.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >A/B) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 3400	3500 4900	5000 6900	6500 7900	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.1	0	.1	.5	.6	.7	.1	0	0	0	0.1	
NE	0	0	.1	.2	.3	.1	.1	0	0	.0	2.8	
E	.1	0	.2	.6	.8	.4	.1	0	0	0	4.3	
SE	.2	0	.3	1.4	1.7	.5	.4	.1	.1	0	4.2	
S	.1	.1	.2	.9	.9	.4	.2	0	0	0	5.8	
SW	0	0	.1	.9	.3	.1	.1	0	0	0	4.3	
W	0	0	.2	.6	1.1	.5	.2	.1	0	.1	12.7	
NW	.1	0	.2	1.1	2.0	.9	.4	.2	0	0	23.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0	0	.1	.2	.6	.3	0	0	0	0	7.6	
TOT OBS	66	30	121	540	795	326	160	47	15	27	7326	9451
TOT PCT	.7	.3	1.3	5.7	8.4	3.4	1.7	.5	.2	.3	77.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >A/B) AND VSBY (NM)

CEILING (FEET)	VSBY (NM): >10	>5	>2	>1	>1/2	>1/4	>SDYG	>0
>OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
>OR >5000	.9	.9	.9	.9	.9	.9	.9	.9
>OR >3500	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6
>OR >2000	5.8	5.9	6.0	6.0	6.0	6.0	6.0	6.0
>OR >1000	12.5	14.1	14.3	14.4	14.4	14.4	14.4	14.4
>OR >600	16.5	19.5	20.0	20.1	20.1	20.1	20.1	20.2
>OR >300	17.1	20.4	21.1	21.3	21.3	21.3	21.4	21.4
>OR >150	17.3	20.6	21.3	21.5	21.6	21.6	21.7	21.7
>OR > 0	17.6	21.1	21.9	22.2	22.2	22.3	22.4	22.4
TOTAL	1648	2040	2117	2163	2169	2155	2163	2165

TOTAL NUMBER OF OBS: 9669

PCT FREQ HH <5/8: 77.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
10.3	10.7	21.1	16.5	10.8	6.0	6.0	4.4	5.9	.5	10236

AUGUST

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1882-1979

AREA DCPS PUERTO VALLARTA
20.5N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	*	*	*	*	.0	.0	.0	.0	.1	
	NO PCP	.0	*	*	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	*	*	*	*	*	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	*	*	*	*	*	*	*	.0	*	.1	
	NO PCP	.0	.0	.0	*	*	.0	.0	*	.0	.0	*	
	TOT %	.0	*	*	*	*	*	*	*	.0	*	.1	
1<2	PCP	*	.0	.1	.1	*	*	*	*	.0	.0	.3	
	NO PCP	*	*	.0	*	*	.0	.0	.0	.0	*	*	
	TOT %	*	*	.1	.1	*	*	*	*	.0	*	.3	
2<5	PCP	*	*	.1	.2	.1	.1	*	.1	.0	*	.6	
	NO PCP	*	*	*	.1	.1	*	*	*	.0	*	.4	
	TOT %	.1	*	.1	.3	.2	.1	.1	.1	.0	*	1.0	
5<10	PCP	.1	.1	.3	.5	.3	.1	.1	.1	.0	*	1.6	
	NO PCP	.5	.2	.6	1.1	.6	.3	.7	1.2	.0	.3	5.4	
	TOT %	.6	.3	.9	1.6	.9	.4	.8	1.3	.0	.3	7.0	
10+	PCP	.1	*	.2	.4	.2	.1	.1	.3	.0	.1	1.6	
	NO PCP	8.8	3.2	5.6	10.1	4.2	4.7	15.0	26.9	.0	8.3	89.8	
	TOT %	9.0	3.4	5.7	10.6	7.4	4.8	15.1	27.2	.0	8.4	91.4	
	TOT OBS												11964
	TOT PCT	9.6	3.7	6.8	12.6	8.6	5.3	16.0	28.6	.0	8.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	.0	.0	.0	*	*	*	.0		.1	
	11-21	.0	*	*	*	*	.0	.0	.0	.0		.1	
	22+	.0	*	*	*	*	*	.0	*	.0		.1	
	TOT %	*	*	*	*	*	*	*	*	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	.0	.0	*	*	*	*	.0	*	.0		*	
	11-21	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	22+	.0	*	*	*	*	.0	*	*	.0		.1	
	TOT %	.0	*	*	*	*	*	*	*	.0	*	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	.0	.0	*	*	*	*	.0	*	.0		.1	
	11-21	*	.0	*	*	*	*	*	*	.0		.1	
	22+	*	*	*	.1	*	*	*	*	.0		.2	
	TOT %	*	*	.1	.1	.1	*	*	*	.0	*	.4	
2<5	0-3	.0	*	*	.0	.0	.0	*	*	.0	.1	.1	
	4-10	*	*	.1	*	.1	.1	.1	.1	.0		.5	
	11-21	*	*	*	.1	.1	*	*	.1	.0		.3	
	22+	.0	.0	*	.1	.1	*	*	*	.0		.3	
	TOT %	.1	*	.2	.3	.2	.1	.1	.2	.0	.1	1.3	
5<10	0-3	.1	*	*	.1	.1	*	.1	.1	.0	.1	.5	
	4-10	.3	.2	.3	.4	.3	.3	.5	.7	.0		2.9	
	11-21	.1	.1	.3	.7	.3	.1	.2	.5	.0		2.2	
	22+	*	*	.2	.5	.2	*	*	*	.0		1.0	
	TOT %	.5	.3	.8	1.6	.9	.4	.8	1.3	.0	.3	7.0	
10+	0-3	1.7	.7	1.0	1.2	1.1	.9	2.0	2.9	.0	0.5	10.9	
	4-10	5.7	2.3	3.9	5.2	4.1	3.5	10.2	16.2	.1		40.6	
	11-21	1.5	.6	1.1	3.2	1.8	.5	2.8	7.7	.0		19.0	
	22+	*	*	.1	.9	.3	*	*	.1	.0		1.6	
	TOT %	9.0	3.5	5.6	10.4	7.2	4.9	15.1	26.9	.0	8.3	91.1	
	TOT OBS												11972
	TOT PCT	9.6	3.8	6.8	12.5	8.5	5.4	16.0	28.4	.0	8.9	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1952-1979

AREA CODE PUERTO VALLARTA
20.5N 105.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,HM >4/8) AND OCCURRENCE OF HM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	HM <5/8 ANY HGT	TOTAL OBS
00E03	.3	.2	1.0	4.6	7.2	3.0	1.1	.6	*	.3	18.4	81.6	2653
06E09	.8	.2	1.0	5.3	7.2	3.3	1.2	.2	.3	.2	19.7	80.3	2333
12E15	1.1	.5	1.5	7.5	9.4	4.4	2.1	.6	.1	.4	28.1	71.9	2272
18E21	.5	.3	1.2	4.9	8.3	2.9	1.9	.5	.2	.2	21.1	78.9	2637
TOT	47	31	121	556	820	336	161	47	15	20	2102	7906	10008
PCT	.7	.3	1.2	5.5	8.1	3.3	1.6	.5	.1	.3	21.0	79.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.1	.3	.7	4.3	94.5	3030
06E09	.2	.1	.3	1.3	8.7	89.4	2896
12E15	.3	.2	.5	2.1	10.0	86.9	2870
18E21	.2	.2	.4	1.0	5.7	92.6	3399
TOT	24	16	49	156	866	11093	12195
PCT	.2	.1	.4	1.3	7.1	91.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,HM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ AND<5	HM <5/8 AND 5+	TOTAL OBS
00E03	.9	1.6	4.0	12.4	80.8	2541
06E09	.8	2.2	4.5	12.4	79.1	2237
12E15	1.2	3.4	11.8	17.6	70.5	2176
18E21	.6	2.2	7.7	14.3	78.1	2715
TOT	67	224	827	1365	7477	9669
PCT	.7	2.3	8.6	14.1	77.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	.0	*	.0	.0	.0	1	*
95/99	.0	.0	*	.1	.1	*	*	*	26	.3
90/94	.0	.0	.0	.2	1.4	1.0	.3	.1	282	2.9
85/89	.0	.0	*	.2	4.1	14.8	4.7	.8	2356	24.4
80/84	.0	.0	*	.1	1.9	23.0	30.3	5.9	5894	61.2
75/79	.0	.0	.0	.0	.1	1.2	5.3	4.1	1024	10.7
70/74	.0	.0	.0	.0	.0	.0	.1	.2	29	.3
65/69	.0	.0	.0	.0	.0	.0	.0	*	1	*
TOTAL	0	0	4	57	726	3040	3892	1068	9583	100.0
PCT	.0	.0	*	.6	7.6	40.1	40.6	11.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	.0	.0	.0	*	.0	.0
*	*	*	*	*	.1	.1	.1	.0	*
.4	.1	.2	.3	.1	.1	.4	.9	.0	.3
2.6	.9	1.6	3.2	1.8	1.4	3.3	7.6	.0	2.2
6.1	2.4	4.3	7.8	5.2	3.0	9.7	16.7	.0	6.0
.7	.4	.7	1.5	1.2	.6	2.0	3.0	.0	.5
*	*	*	*	*	*	.1	.1	.0	*
.0	.0	.0	*	.0	.0	.0	.0	.0	.0
9.8	3.8	7.0	12.9	8.4	5.1	15.6	28.4	.0	8.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	99	93	90	84	80	77	68	84.4	9313
06E09	99	86	85	82	78	75	70	81.8	2939
12E15	92	86	84	81	77	74	70	81.1	2981
18E21	100	93	90	84	79	75	68	84.3	9375
TOT	100	91	88	83	78	75	68	83.0	17608

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-49	50-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.1	12.6	50.0	29.5	6.0	77	2401
06E09	.0	.1	1.9	31.0	53.6	13.3	82	2369
12E15	.0	.2	1.4	25.8	53.8	18.8	84	2351
18E21	.0	.9	12.0	50.7	29.2	7.4	77	2691
TOT	0	58	734	3949	4002	1099	80	9812

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1982-1979

TABLE 17

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	93	TOT	* FOG	°C FOG
17/19	.0	.0	.0	.0	.0	*	*	*	3	.0	*
14/16	.0	.0	.0	.0	*	*	*	*	11	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	.1	47	.0	.4
9/10	.0	.0	.0	*	.1	.2	.2	.2	76	.0	.7
7/8	.0	.0	.0	*	.2	.3	.4	.2	129	.0	1.2
6	.0	.0	.0	*	.2	.4	.3	.1	114	.0	1.1
5	.0	.0	*	.1	.6	1.0	.7	*	256	.0	2.4
4	.0	.0	.0	.2	1.0	1.2	.8	*	340	.0	3.2
3	.0	.0	*	.1	1.0	1.4	.4	.0	174	.0	1.6
2	.0	.0	*	.4	2.4	3.0	.8	.0	674	*	6.4
1	.0	.0	*	.4	2.7	5.0	.7	.0	741	.0	7.0
0	.0	*	.1	1.0	7.0	4.1	.1	.0	1376	*	13.0
-1	.0	.0	.1	1.4	7.7	2.9	*	.0	1154	*	12.3
-2	.0	*	.1	2.0	8.6	1.8	*	*	1552	*	14.7
-3	.0	.0	.1	2.1	7.5	.9	*	.0	1142	*	10.8
-4	.0	*	.2	2.7	6.0	.5	*	.0	698	*	6.6
-5	.0	.0	.2	2.3	3.6	.2	.0	.0	495	*	4.6
-6	.0	*	.2	1.7	1.3	.1	.0	.0	352	.0	3.3
-7/-8	.0	*	.2	1.6	1.0	*	.0	.0	313	.0	3.0
-9/-10	.0	.0	.2	.5	.2	.0	.0	.0	95	.0	.9
-11/-13	.0	*	.2	.1	*	*	.0	.0	36	.0	.4
-14/-16	*	*	.0	*	*	.0	.0	.0	9	.0	.1
-17/-19	.0	.0	.0	*	.0	.0	.0	.0	1	.0	*
TOTAL	1	16	176	1909	5597	2367	839	77	10502	14	105.8
PCT	*	.2	1.7	18.0	52.9	22.4	8.1	.7	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

%

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.7	1.5	.0	.0	.0	.0	2.3
1-2	.5	2.9	.5	.0	.0	.0	3.9
3-4	.2	1.1	1.1	.0	.0	.0	2.4
5-6	.0	.2	.2	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	*	.0	.0	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	5.9	2.0	.0	.0	.0	9.2

%f

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.2	.6	.0	.0	.0	.0	.8
1-2	.1	1.3	.1	.0	.0	.0	1.4
3-4	*	.3	.1	*	.0	.0	.4
5-6	.0	.2	.1	*	.0	.0	.3
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	*	*
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.0	.4	.1	*	.0	3.2

%f

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
C1	.5	.9	.0	.0	.0	.0	1.5
1-2	.3	1.7	.3	.0	.0	.0	2.3
3-4	.2	1.3	1.4	.2	.0	.0	3.1
5-6	*	.7	1.1	.4	*	.0	2.6
7	.0	.1	.5	.3	.1	.0	1.1
8-9	.0	*	.1	.4	.1	.0	.6
10-11	.0	.0	.0	.1	.1	.0	.2
12	.0	.0	*	.0	.0	.0	.1
13-16	.0	.0	.0	*	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	5.0	3.0	.7	.2	*	10.0

PERIOD: (OVER-ALL) 1963-1979

TABLE 18 (CONT)

AREA DOCS PUERTO VALLARTA
20.5N 107.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	•	.0	.0	.0	1.5
1-2	.1	2.2	.3	.0	.0	.0	2.7
3-4	.2	1.2	1.0	.1	.0	.0	2.4
5-6	•	.3	1.0	.3	.0	.0	1.6
7	.0	•	.4	.2	.0	.0	.7
8-9	.0	.1	.1	.1	.0	.0	.3
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	•	.0	•	.0	.1
13-16	.0	.0	.0	.1	.1	.0	.2
17-19	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	•	.0	•	.1
23-25	.0	.0	.0	.0	.1	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.8	3.1	1.0	.3	•	10.0

Sb

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	•	.0	.0	.0	.8
1-2	.2	1.6	.2	.0	.0	.0	2.0
3-4	•	.4	.2	.0	.0	.0	1.1
5-6	.0	.1	.2	•	.0	.0	.3
7	.0	•	•	.0	.0	.0	.1
8-9	.0	.1	.0	•	.0	.0	.1
10-11	.0	.0	.0	•	•	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.2	.7	.1	•	.0	4.5

SbS

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	1.7	.2	.0	.0	.0	2.7	
1-2	.6	4.8	.8	.0	.0	.0	6.2	
3-4	.2	2.0	2.2	•	.0	.0	4.4	
5-6	.0	.4	.7	.1	.0	.0	1.2	
7	.0	•	.2	•	.0	.0	.2	
8-9	.0	.0	.1	.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	•	.0	•	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.7	9.0	4.1	.2	•	.0	15.0	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.2	2.2	.2	.0	.0	.0	3.6	
1-2	1.3	8.7	2.4	.0	.0	.0	12.5	
3-4	.3	4.0	3.0	.0	.0	.0	8.2	
5-6	•	1.1	1.9	.1	.0	.0	3.1	
7	.0	.2	.4	•	•	.0	.6	
8-9	.0	•	.1	.0	.0	.0	.1	
10-11	.0	.0	•	.0	.0	.0	•	
12	.0	.0	•	.0	.0	.0	•	
13-16	.0	.0	.0	.0	•	.0	•	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.8	16.2	9.1	.1	•	.0	28.2	92.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.6	9.5	.9	.0	.0	.0	22.9	
1-2	9.2	25.8	5.6	.0	.0	.0	35.6	
3-4	1.0	11.2	11.6	.9	.0	.0	24.9	
5-6	.1	2.6	6.2	1.1	•	.0	10.1	
7	.0	.3	1.7	1.1	.1	.0	3.2	
8-9	.0	.2	.7	.7	.1	.0	1.7	
10-11	.0	.0	.2	.6	.1	.0	.9	
12	.0	.0	.1	•	.2	.0	.3	
13-16	.0	.0	•	.1	.1	•	.4	
17-19	.0	.0	.0	.0	.2	.0	.2	
20-22	.0	.0	.0	•	.1	•	.2	
23-25	.0	.0	.0	.0	.1	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.0	49.6	26.9	4.9	1.4	.1	100.0	7981

PERIOD (OVER-ALL) 1963-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
2-3	.4	10.7	10.7	4.7	1.4	.7	.3	.1	.2	•	•	.0	.0	.0	.0	.0	.0	.0	.0	18**	*
4-5	.1	2.9	7.9	5.4	3.1	.9	.4	.3	.3	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	1929	*
6-7	.1	1.0	3.1	5.1	2.2	.9	.4	.4	.5	.2	.1	•	•	.0	.0	.0	.0	.0	.0	1079	*
8-9	.0	.7	.9	1.7	.9	.4	.2	.2	.1	•	•	.0	.0	.0	.0	.0	.0	.0	.0	901	*
10-11	.0	.0	.0	.7	.3	.2	.1	.1	.1	•	•	.1	•	.0	.0	.0	.0	.0	.0	367	*
12-13	.0	.0	.0	.0	.1	.1	.0	.0	.0	•	•	.0	.0	.0	.0	.0	.0	.0	.0	162	1*
14+	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	•	.0	.0	.0	.0	.0	.0	.0	.0	90*	*
TOTAL	15**	15**	25**	19**	7**	2**	1**	1**	1**	•	•	.1	.0	.0	.0	.0	.0	.0	.0	8*****	*
PCT	1***	22.7	29.1	17**	6.0	2.4	1.1	1.0	.4	.2	.1	.1	•	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979

AREA DESC PUERTO VALLARTA
20.4N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY ELST SNOW	NO SIG WEA
N	1.5	.0	.0	.0	.0	.3	.0	3.1	2.0	0.0	*	.1	.2	.0		88.8
NE	5.2	1.8	1.2	.0	.0	.0	.0	8.1	4.5	7.2	.0	.0	.0	.0		76.2
E	7.3	3.7	1.2	.0	.0	.0	.0	12.1	5.4	5.3	.0	.0	.4	.1		76.5
SE	7.4	4.1	1.5	.0	.0	.0	.0	12.4	6.1	4.5	.3	.0	.4	.2		76.3
S	5.0	3.3	1.5	.0	.0	.0	.0	9.7	5.0	5.0	.1	.0	.3	.1		79.9
SW	3.7	1.5	1.6	.0	.0	.0	.0	6.4	4.0	3.7	.2	.1	.6	.0		85.1
W	2.2	1.1	1.0	.0	.0	.0	.0	4.1	1.9	0.1	.0	.0	.1	.1		90.4
NW	1.4	.5	.4	.0	.0	.0	.0	2.3	1.4	0.3	.2	*	.3	.1		91.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.2	.6	.4	.0	.0	.0	.0	1.1	.4	0.7	.1	.0	.7	.1		90.9
TOT PCT	3.3	1.8	1.0	.0	.0	.0	.0	5.9	3.0	0.9	.1	*	.4	.1		85.8
TOT OBS: 11599																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SNOW	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	SPRAY ELST SNOW	NO SIG WEA
00E03	1.0	1.0	.5	.0	.0	.0	.0	0.2	2.1	.0	.1	.0	.0	.1		92.2
04E09	3.2	1.7	1.1	.0	.0	.0	.0	5.0	2.0	10.0	.1	.0	.1	.1		86.8
12E15	4.7	1.9	1.3	.0	.0	.0	.0	7.0	3.0	0.2	.2	.1	.4	.2		78.9
16E21	3.6	1.4	1.0	.0	.0	.0	.0	5.7	3.1	.5	.2	.0	.7	.1		90.2
TOT PCT	3.4	1.7	1.0	.0	.0	.0	.0	5.9	3.0	5.0	.2	*	.4	.1		85.7
TOT OBS: 11859																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.5	5.8	1.6	.1	*	.0		9.0	7.7	7.6	6.0	8.6	5.4	9.2	7.6	11.2	7.1
NE	.7	2.2	.6	.1	.1	*		3.7	8.6	2.9	3.1	2.9	2.6	4.4	5.0	4.5	3.7
E	.8	3.5	2.0	.7	.2	.1		7.3	12.1	5.0	6.1	6.6	6.6	9.2	8.8	9.5	6.9
SE	1.1	5.4	4.7	1.5	.5	.1		13.7	13.8	13.2	21.4	12.7	10.1	12.1	10.7	10.6	22.2
S	1.0	4.4	2.9	1.0	.2	*		9.6	11.9	11.1	13.2	10.0	10.7	7.7	10.6	8.8	12.1
SW	.9	4.1	1.2	.3	.1	*		6.6	9.3	7.9	9.0	7.0	6.6	6.7	7.1	5.8	9.2
W	1.0	4.8	1.8	.3	*	*		15.8	9.0	17.8	15.0	10.0	17.6	15.7	10.7	11.9	17.2
NW	2.0	15.8	7.9	.6	.1	*		26.9	9.2	20.6	20.1	27.7	29.6	26.6	27.2	29.1	27.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.5							7.5	.0	5.5	5.0	8.7	6.0	10.0	5.7	6.0	7.5
TOT OBS	2757	6426	3092	615	141	31	12562		9.0	2057	2[illegible]	2607	199	2506	930	2169	731
TOT PCT	18.0	51.2	24.6	4.9	1.1	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 [illegible]	06	12	18
N	4.4	4.3	.3	*	*		9.0	7.7	7.0	8.4	8.8	11.0
NE	1.9	1.6	.2	.1	*		3.7	8.6	2.0	2.8	4.4	4.7
E	2.9	3.2	1.1	.8	.1		7.3	12.1	5.1	6.5	8.0	9.1
SE	3.6	5.0	3.1	1.0	.2		13.7	13.8	11.9	12.7	12.4	15.4
S	3.1	4.2	1.7	.5	.1		9.6	11.9	11.2	10.9	8.0	8.7
SW	3.1	2.7	.6	.2	*		6.6	9.3	8.0	7.1	5.6	5.8
W	6.2	8.3	1.1	.1	*		15.8	9.0	17.0	16.2	15.8	10.0
NW	9.6	15.2	2.0	.1	*		26.9	9.2	20.2	27.6	26.9	26.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.5						7.5	.0	6.9	8.0	10.7	6.6
TOT OBS	5276	5667	1261	318	42	12562		9.0	3112	2886	2886	4680
TOT PCT	42.0	45.0	10.0	2.5	.3		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979

AREA CODE PUERTO VALLARTA
20.4N 105.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.3	9.6	52.0	25.7	5.6	1.3	.3	10.0	100.0	3112
06&09	8.6	9.9	51.6	24.6	4.4	1.3	.1	9.2	100.0	2886
12&15	10.3	10.6	51.3	22.9	4.1	.6	.2	8.8	100.0	2984
18&21	6.6	11.7	50.2	25.3	5.1	1.1	.3	9.5	100.0	3606
TOT	906	1313	6826	3092	615	141	31	9.6		12587
PCT	7.5	10.5	51.2	24.6	4.9	1.1	.2		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.1	2.7	2.6	.9		3.9
NE	.9	.8	1.9	.7		4.6
E	1.1	1.7	2.5	1.9		5.3
SE	1.9	2.6	5.1	3.9		5.5
S	1.7	1.9	3.7	2.6		5.2
SW	1.5	1.6	2.3	1.2		4.7
W	4.6	4.1	5.1	2.7		4.2
NW	9.5	7.1	7.9	2.8		3.8
VAR	.0	.0	.0	.0		.0
CALM	3.0	2.0	1.9	.6		3.9
TOT OBS	2548	2276	2983	1534	9341	4.4
TOT PCT	27.3	24.4	31.9	16.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH)0/0) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 2999	3000 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
•	•	.1	.5	.9	.2	.1	•	•	•	1.9	
•	•	•	.3	.3	.1	.1	•	•	•	2.6	
.1	•	.2	.9	1.2	.3	.1	•	•	•	4.3	
.2	.1	.4	1.5	2.2	.5	.3	.1	•	•	8.0	
.2	•	.4	1.0	1.5	.3	.2	.1	•	.0	6.0	
•	•	.2	.4	.9	.2	.1	•	•	•	4.5	
.1	•	.2	1.1	1.8	.5	.2	.1	.1	•	11.7	
.2	•	.4	1.3	2.1	.9	.4	.1	.1	•	21.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
•	•	•	.2	.5	.1	.1	•	•	•	4.3	
95	36	181	669	1077	293	148	46	29	17	6752	9341
1.0	.4	1.9	7.2	11.5	3.1	1.6	.5	.3	.2	72.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH)0/0) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	.5	.5	.5	.5	.5	.5	.5	.5
: OR >5000	.9	.9	1.0	1.0	1.0	1.0	1.0	1.0
: OR >3500	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
: OR >2000	4.8	5.6	5.7	5.7	5.7	5.7	5.7	5.7
: OR >1000	13.8	16.5	17.0	17.0	17.1	17.1	17.1	17.1
: OR >600	18.4	22.8	23.7	24.0	24.0	24.1	24.1	24.1
: OR >300	19.3	24.4	25.5	25.8	25.9	25.9	26.0	26.0
: OR >150	19.5	24.7	25.8	26.2	26.7	26.3	26.3	26.4
: OR > 0	19.7	25.2	26.6	27.0	27.1	27.2	27.4	27.4
TOTAL	1875	2402	2536	2567	2579	2588	2603	2604

TOTAL NUMBER OF OBS: 9516

PCT FREQ HH <5/8: 72.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
9.4	16.5	19.8	15.9	10.7	6.5	7.3	5.2	8.0 .6	10106

PERIOD: (DDMMMYY) 1953-1979
(OVER-ALL) 1980-1979

BOFF BEES PUERTO VALLARTA
20.0N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.	.1	.	.	.	.	.	.0	.0	.2	
<1/2	NO PCP	.0	.0	.	.	.1	.	.0	.	.0	.	.1	
	TOT %	.0	.	.1	.1	.1	.	.	.	.0	.	.4	
	PCP	.0	.	.	.	.	.	.	.	.0	.0	.1	
1/2<1	NO PCP	.0	.	.	.	.	.0	.	.	.0	.0	.	
	TOT %	.0	.	.	.	.	.	.	.	.0	.0	.1	
	PCP	.	.	.1	.1	.1	.	.	.	.0	.0	.4	
1<2	NO PCP	.0	.	.	.	.	.	.	.	.0	.0	.1	
	TOT %	.	.	.1	.1	.1	.	.1	.1	.0	.0	.4	
	PCP	.	.	.2	.4	.1	.1	.1	.1	.0	.0	1.0	
2<5	NO PCP	.	.	.1	.2	.1	.1	.1	.1	.0	.	.8	
	TOT %	.1	.1	.3	.6	.2	.2	.2	.2	.0	.	1.8	
	PCP	.1	.1	.2	.6	.4	.1	.3	.2	.0	.	2.1	
5<10	NO PCP	.4	.7	.6	1.6	1.1	.6	1.0	1.6	.0	.4	7.6	
	TOT %	.5	.7	.8	2.3	1.5	.7	1.3	1.8	.0	.4	9.8	
	PCP	.1	.1	.3	.5	.3	.2	.2	.2	.0	.	2.1	
10+	NO PCP	8.4	9.1	9.6	10.1	7.4	5.3	14.2	24.7	.0	6.8	85.6	
	TOT %	8.5	9.2	9.9	10.7	7.8	5.5	14.4	24.9	.0	6.8	87.7	
	TOT OBS												11559
	TOT PCT	8.1	9.4	7.2	11.7	9.7	6.4	16.0	27.1	.0	7.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.	.0	.	.	.0	.	.0	.0	.0	.	.	
<1/2	4-10	.0	.0	.0	.	.	.	.	.	.0		.1	
	11-21	.0	.	.	.0	.	.	.0	.	.0		.	
	22+	.0	.	.1	.	.1	.	.	.	.0		.2	
	TOT %	.	.	.1	.1	.1	.	.	.1	.0	.	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.	.	.0	.0	.	.	.0		.	
	11-21	.0	.0	.0	.	.0	.0	.	.0	.0		.	
	22+	.0	.	.	.	.	.	.	.0	.0		.1	
	TOT %	.0	.	.	.	.	.	.	.	.0	.0	.2	
	0-3	.0	.0	.0	.	.0	.0	.0	.	.0	.0	.	
1<2	4-10	.0	.0	.	.	.0	.	.	.	.0		.1	
	11-21	.	.	.	.1	.	.	.	.	.0		.2	
	22+	.0	.	.	.1	.	.	.0	.0	.0		.2	
	TOT %	.	.	.1	.1	.1	.	.1	.1	.0	.0	.5	
	0-3	.	.	.	.	.	.0	.	.	.0	.	.1	
2<5	4-10	.1	.	.1	.1	.1	.1	.1	.1	.0		.7	
	11-21	.	.	.1	.2	.	.1	.1	.1	.0		.5	
	22+	.	.	.2	.3	.1	.	.	.1	.0		.8	
	TOT %	.1	.1	.3	.6	.2	.2	.2	.3	.0	.	2.1	
	0-3	.1	.	.1	.1	.1	.1	.1	.1	.0	.4	1.0	
5<10	4-10	.3	.1	.2	.5	.5	.3	.6	.4	.0		3.0	
	11-21	.2	.1	.3	.8	.5	.2	.4	.6	.0		3.0	
	22+	.	.1	.2	.9	.4	.1	.1	.1	.0		1.9	
	TOT %	.5	.3	.8	2.3	1.5	.7	1.2	1.8	.0	.4	9.5	
	0-3	1.4	.6	.7	1.0	.9	.8	1.6	2.6	.0	7.1	16.7	
10+	4-10	5.5	2.1	3.2	4.7	3.9	3.6	9.0	19.6	.0		46.6	
	11-21	1.4	.6	1.6	3.8	2.3	.9	3.5	7.3	.0		21.1	
	22+	.	.1	.4	1.1	.5	.2	.2	.5	.0		2.9	
	TOT %	8.3	3.2	5.9	10.6	7.7	5.5	14.3	29.8	.0	7.1	87.3	
	TOT OBS												12787
	TOT PCT	9.0	3.6	7.2	11.7	9.6	6.5	15.9	27.0	.0	7.5	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979

AREA 0005 PUERTO VALLARTA
20.4N 107.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00E03	.7	.2	1.4	6.2	9.5	3.2	1.5	.6	.2	.1	23.6	76.4	2614
06E09	1.3	.4	1.9	6.6	9.9	2.5	1.5	.3	.4	.9	25.2	74.8	2271
12E15	1.4	.5	2.0	7.9	12.4	2.8	1.5	.2	.2	.2	29.4	70.6	2250
18E21	.7	.3	2.0	6.7	11.8	3.3	1.6	.7	.5	.1	27.6	72.4	2805
TOT	97	36	183	677	1091	297	150	46	29	18	2624	7316	9940
PCT	1.0	.4	1.8	6.8	11.0	3.0	1.5	.5	.3	.2	26.4	73.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.4	.1	.4	1.4	7.7	90.0	3074
06E09	.4	.1	.5	2.1	9.8	87.3	2894
12E15	.4	.3	.3	2.6	12.6	83.8	2937
18E21	.5	.1	.8	2.1	8.3	88.2	3446
TOT	50	20	65	253	1178	10785	12351
PCT	.4	.2	.5	2.0	9.5	87.3	100.0

TABLE 17

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00E03	.7	2.4	9.3	15.2	75.5	2511
06E09	1.4	4.0	11.9	19.9	73.2	2159
12E15	1.4	4.1	13.2	17.9	68.9	2199
18E21	.8	3.3	11.1	17.7	71.2	2695
TOT	98	326	1071	1567	6878	9516
PCT	1.0	3.4	11.3	16.5	72.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	*	.2	*	*	.0	22	.2
90/94	.0	.0	*	.1	1.3	.9	.2	.1	241	2.5
85/89	.0	.0	*	.1	5.3	13.3	5.1	.7	2156	22.5
80/84	.0	.0	.0	.1	2.0	20.7	32.4	6.7	5935	61.9
75/79	.0	.0	.0	*	.1	1.7	5.3	5.3	1190	12.4
70/74	.0	.0	.0	.0	.0	*	.2	.2	37	.4
TOTAL	0	0	1	32	653	3504	4143	1246	9581	100.0
PCT	.0	.0	*	.3	6.8	36.6	43.2	13.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	*	*	*	.0	.1	.0	*
.3	.1	.2	.3	.2	.1	.3	.9	.0	.2
2.6	.9	1.6	2.8	1.7	1.2	3.3	6.9	.0	1.9
5.6	2.5	4.7	8.9	6.1	4.0	10.0	16.1	.0	4.6
.8	.4	.9	1.9	1.6	1.0	2.0	3.3	.0	.7
*	*	*	*	*	.1	.1	.1	.0	.0
9.3	3.8	7.4	13.5	9.6	6.3	15.6	27.0	.0	7.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	100	92	89	84	79	76	68	83.8	3136
06E09	97	87	84	82	78	75	68	81.7	2930
12E15	95	86	84	81	77	74	68	81.0	3024
18E21	99	92	90	84	78	75	70	84.1	3649
TOT	100	91	88	82	78	75	68	82.7	12739

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	.6	10.9	44.7	34.7	9.0	78	2477
06E09	.0	*	2.2	28.8	54.9	14.1	82	2324
12E15	.0	.1	1.7	23.3	54.7	20.2	84	2324
18E21	.0	.6	11.0	47.5	33.2	9.1	78	2684
TOT	0	35	670	3595	4248	1246	81	9810

SEPTEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979

AREA 0085 PUERTO VALLARTA
20.4N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
10/16	.0	.0	.0	.0	.0	*	*	*	10	.0	.1
11/13	.0	.0	.0	.0	*	.1	.1	.1	92	.0	.4
9/10	.0	.0	.0	*	.2	.2	.2	.1	63	.0	.4
7/8	.0	.0	.0	.1	.4	.3	.4	.2	162	*	1.5
6	.0	.0	.0	*	.1	.5	.3	*	97	*	.9
5	.0	.0	.0	.1	.5	.9	.5	*	223	.0	2.1
4	.0	.0	*	.1	.9	1.3	.6	*	319	*	3.0
3	.0	.0	*	.1	.7	1.8	.5	*	341	.0	3.2
2	.0	*	*	.3	2.7	3.1	.4	.0	700	*	6.6
1	.0	.0	*	.4	3.1	2.8	.2	.0	697	*	6.5
0	.0	*	.1	1.3	7.6	9.1	.1	*	1480	*	13.1
-1	.0	.0	.2	1.4	7.9	2.8	.1	.0	1317	.0	12.4
-2	.0	*	.2	2.4	10.1	1.3	.0	.0	1494	*	14.0
-3	.0	.0	.1	2.4	7.3	1.0	*	.0	1155	*	10.9
-4	.0	*	.2	3.4	6.1	.3	*	.0	1065	.0	10.0
-5	.0	.0	.2	2.7	3.3	.2	.0	.0	668	*	6.3
-6	.0	*	.2	1.8	1.4	*	.0	.0	368	.0	3.5
-7/-8	.0	.0	.4	2.1	.8	*	.0	.0	355	*	3.3
-9/-10	.0	*	.1	.6	.1	.0	.0	.0	111	.0	1.0
-11/-13	.0	*	.1	.1	*	.0	.0	.0	29	.0	.3
-14/-16	*	*	*	.0	.0	.0	.0	.0	9	.0	.1
-17/-19	*	.0	.0	*	.0	.0	.0	.0	1	.0	*
TOTAL	1		232		8665		378			16	10614
		14		2072		2284		62	10630		
PCT	*	.1	2.2	19.5	53.3	20.7	3.6	.6	100.0	.2	99.8

PERIOD: (OVER-ALL) 1961-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.1	.0	.0	.C	.0	2.1
1-2	.3	3.9	.6	.0	.C	.0	4.8
3-4	*	1.3	.0	.0	.0	.0	2.1
5-6	.0	.2	.1	.1	.0	.0	.5
7	.0	.1	.2	*	.C	.0	.3
8-9	.0	*	.0	.0	.0	.0	*
10-11	.0	.0	*	.0	*	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	*	.0	*
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	1.3	6.6	1.9	.1	.1	.0	10.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	*	.0	.C	.0	1.0
1-2	.2	1.3	.1	.C	.C	.0	1.6
3-4	.0	.2	.5	.0	.C	.0	.7
5-6	.0	.1	.1	*	.C	.0	.2
7	.0	.0	*	*	.C	.0	*
8-9	.0	.0	.0	.0	.C	.0	.0
10-11	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	.0	*	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.7	1.0	.0	.1	.1	6.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.1	.0	.0	.0	1.1
1-2	.2	2.3	.2	.0	.0	.0	2.7
3-4	*	.5	.6	*	.0	.0	1.2
5-6	.0	.1	.6	.1	.0	.0	.8
7	.0	.0	.1	.2	.0	.0	.4
8-9	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	*	*	*	.0	.1
12	.0	.0	.0	.1	.C	.0	.1
13-16	.0	.0	.0	.0	.2	.1	.2
17-19	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.7	1.0	.0	.3	.1	6.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	*	.0	.0	.0	1.3
1-2	.4	2.9	.9	.0	.0	.0	4.3
3-4	*	.7	1.6	*	.C	.0	2.4
5-6	.0	.5	1.4	.4	.0	.0	2.2
7	.0	.2	.4	.6	.1	.0	1.3
8-9	.0	*	.3	.3	.1	.0	.8
10-11	.0	.0	*	.1	.1	*	.2
12	.0	.0	*	*	*	.0	.1
13-16	.0	.0	.0	.1	.2	*	.3
17-19	.0	.0	.0	.0	.1	.C	.1
20-22	.0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	.0	*	.0	*
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.C
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.8	2.4	.5	.4	.1	13.0

PERIOD: (OVER-ALL) 1963-1979 SEPTEMBER AREA 0005 PUERTO VALLARTA
TABLE 18 (CONT) 20.0N 107.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	.0	.0	.C	.0	1.0
1-2	.2	2.1	.6	.C	.C	.0	3.C
3-4	•	1.1	1.2	•	.C	.C	2.3
5-6	.0	.4	.0	.1	.C	.0	1.7
7	.0	.1	.5	.4	•	.0	1.0
8-9	.0	•	.2	.2	.C	.0	.5
10-11	.C	.0	•	.3	.1	.0	.5
12	.C	.0	•	•	.C	.0	.1
13-16	.C	.C	.0	.1	.C	.0	.1
17-19	.0	.C	.0	.0	•	.C	•
20-22	.C	.0	.0	.0	.C	.0	.C
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.C	.0	.0	.C	.C	.C
33-40	.C	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.4	4.6	1.5	1.1	.2	.C	9.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.8
1-2	.4	1.9	.3	.C	.C	.0	2.5
3-4	•	.6	.9	.1	.C	•	1.3
5-6	•	.1	.2	•	.C	.0	.4
7	.0	.0	.1	.1	.C	.C	.4
8-9	.0	•	•	.1	.C	.0	.2
10-11	.0	.0	.0	.1	•	.0	.1
12	.0	.C	.0	.C	.C	•	•
13-16	.0	.0	.0	.C	.1	•	.2
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.C	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.7	3.3	1.3	.5	.1	.1	6.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.6	•	.0	.0	.0	2.3
1-2	.3	3.8	1.0	.0	.C	.0	6.1
3-4	.1	2.1	1.6	•	.C	.0	3.9
5-6	.0	.5	1.0	.2	.0	.0	1.7
7	.0	.1	.1	.2	•	.0	.6
8-9	.0	.0	.1	•	.C	.0	.1
10-11	.0	.0	•	•	.0	.0	.1
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	•	•
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.C	.0	.0	.C	.0	.0
23-25	.0	.C	.0	.0	.C	.0	.0
26-32	.0	.C	.0	.0	.C	.0	.0
33-40	.0	.0	.C	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	9.1	4.1	.5	•	•	14.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	5.0	.2	.0	.C	.0	6.3
1-2	1.1	8.2	2.5	.0	.C	.0	11.8
3-4	.3	3.6	3.6	.1	.C	.0	7.6
5-6	•	1.0	1.0	.1	.C	.0	2.2
7	.0	.1	.1	.1	.C	.0	.4
8-9	.0	•	.2	.2	.0	.C	.4
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	•	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	15.8	10.2	.6	.C	.0	29.3

HGT	W PCT	NW PCT	TOTAL PCT
<1	.0	.0	6.3
1-2	.C	.0	11.8
3-4	.0	.0	7.6
5-6	.0	.0	2.2
7	.0	.0	.4
8-9	.0	.0	.4
10-11	.0	.0	.2
12	.0	.0	•
13-16	.0	.0	.0
17-19	.0	.0	.0
20-22	.0	.0	.0
23-25	.0	.0	.0
26-32	.0	.0	.0
33-40	.0	.0	.0
41-48	.0	.0	.0
49-60	.0	.0	.0
61-70	.0	.0	.0
71-86	.0	.0	.0
87+	.0	.0	.0
TOT PCT	.0	.0	29.3

| | | |

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1888-1979

AREA CODE PUERTO VALLARTA
20.4N 105.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.7	.3	.2	.0	.0	.0	.1	1.2	.7	1.9	*	.0	.9	.1	95.9
NE	2.2	1.3	.9	.0	.0	.0	.0	4.2	2.3	5.0	.1	.0	.4	.0	88.2
E	6.7	2.8	2.0	.0	.0	.0	.0	11.1	4.1	3.2	.2	.0	.6	.1	80.8
SE	4.9	1.7	1.1	.0	.0	.0	.0	7.7	4.6	4.5	.2	.0	.1	*	83.3
S	4.9	2.5	.9	.0	.0	.0	.0	8.2	5.7	2.7	.0	.0	.4	.0	83.7
SW	3.4	2.0	1.0	.0	.0	.0	.0	6.2	2.9	3.4	.3	.0	1.6	.0	87.2
W	.8	.3	.3	.0	.0	.0	.0	1.4	1.0	2.7	.5	.0	.7	.1	93.7
NW	.4	.2	.3	.0	.0	.0	*	1.0	.4	1.8	.2	.0	.5	.0	96.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8	.1	.1	.0	.0	.0	.0	1.0	.7	5.0	.4	.0	1.8	.1	91.1
TOT PCT	1.7	.8	.5	.0	.0	.0	*	2.9	1.6	2.8	.2	.0	.6	.1	92.1
TOT OBS: 11199															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
0001-03	1.4	.5	.4	.0	.0	.0	.0	2.4	1.4	.1	.2	.0	.4	.1	95.3
0604-09	1.7	.5	.4	.0	.0	.0	*	2.4	1.7	5.0	.2	.0	.5	*	89.1
1210-15	2.2	1.1	.7	.0	.0	.0	.1	4.1	1.7	4.9	.3	.0	.4	.1	88.6
1816-21	1.4	.8	.3	.0	.0	.0	.0	2.5	1.6	.5	.2	.0	.7	*	94.4
TOT PCT	1.7	.8	.5	.0	.0	.0	*	2.9	1.6	2.8	.2	.0	.5	.1	92.0
TOT OBS: 11478															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.1	12.3	5.1	.2	*	*		19.7	8.7	19.6	16.2	16.8	19.8	19.7	19.5	22.4	17.8
NE	.9	6.0	1.3	.1	*	*		8.3	8.4	5.0	4.1	5.0	8.8	6.1	7.5	8.8	9.7
E	.9	3.2	1.4	.4	.1	*		5.9	9.9	4.6	5.1	6.8	6.5	6.6	6.4	7.7	3.6
SE	.9	3.3	2.6	.8	.1	*		7.6	11.7	7.1	6.6	7.6	8.6	8.9	7.1	8.7	10.1
S	.7	2.8	1.4	.7	.1	*		5.1	10.4	6.1	7.6	5.6	4.5	4.1	4.3	4.7	7.4
SW	.6	2.1	.7	.1	*	.0		3.5	8.4	4.1	4.4	3.9	4.0	3.0	3.6	2.9	1.9
W	1.4	7.2	2.2	.1	*	.0		11.2	8.0	12.6	13.2	12.2	14.7	10.8	12.7	9.1	12.5
NW	2.9	19.2	10.4	.6	*	.0		33.0	9.5	34.8	36.6	36.5	37.1	32.1	34.4	30.1	37.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.5							7.5	.0	6.2	4.9	9.6	7.9	10.2	6.3	5.6	5.3
TOT OBS	2233	6608	3061	784	46	16	12748		8.6	2802	235	2672	151	2956	323	3329	180
TOT PCT	18.2	54.0	25.0	2.3	.4	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.6	10.9	1.1	.1	*		19.7	8.7	19.3	16.7	19.7	22.6
NE	2.8	3.1	.3	.1	*		6.3	8.4	4.9	5.0	6.4	8.6
E	2.5	2.6	.7	.1	*		5.9	9.9	4.6	4.8	6.6	7.5
SE	2.3	3.6	1.3	.3	.1		7.6	11.7	7.1	7.5	8.9	8.8
S	1.9	2.9	.6	.2	*		5.1	10.4	6.2	5.6	4.3	4.4
SW	1.6	1.5	.2	.1	*		3.5	8.4	4.1	3.9	3.1	2.8
W	5.3	5.3	.5	*	.0		11.2	8.0	12.6	12.9	11.0	9.2
NW	18.5	20.1	2.3	.1	.0		33.0	9.5	35.1	34.6	32.4	30.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.5						7.5	.0	6.1	9.9	9.6	5.5
TOT OBS	5169	6874	865	116	26	12748		8.6	3017	2879	2879	1509
TOT PCT	42.2	49.6	7.1	.9	.2		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1960-1970

AFB 0005 PUERTO ROLLARIS
20.0N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.1	9.1	59.1	20.4	2.0	.4	.1	9.1	100.0	3037
06&09	9.5	10.0	50.6	23.2	2.7	.3	.2	8.9	100.0	2829
12&15	9.6	11.0	50.6	22.7	1.8	.7	.1	8.1	100.0	2879
18&21	5.5	12.5	53.6	25.4	2.4	.5	.1	8.7	100.0	3409
TOT	921	1312	6888	3561	284	66	16	8.6		12154
PCT	7.5	10.7	56.0	29.0	2.3	.4	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.7	5.4	5.8	1.0		3.0
NE	2.1	1.5	1.6	.8		3.8
E	1.8	1.1	1.7	1.6		6.9
SE	1.8	1.6	2.7	1.8		5.0
S	1.1	1.4	1.7	1.0		4.6
SW	1.2	1.1	.8	.4		3.8
W	4.9	2.7	2.3	.9		3.1
NW	16.2	8.7	6.2	1.6		2.9
VAR	.0	.0	.0	.0		.0
CALM	4.6	1.6	1.3	.4		2.5
TOT OBS	6046	2792	2077	885	9385	3.4
TOT PCT	63.1	24.7	22.1	9.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HM >0/0) AND OCCURRENCE OF 5/8 OR LESS/0 BY WIND DIRECTION

WND DIR	000 100	150 200	300 500	600 900	1000 1900	2000 2900	3000 4900	5000 6900	7000 8000	8000+	NO CEIL OBV	TOTAL OBS
N	.1	0	.1	.5	1.0	.5	.2	.1	0	0	17.5	
NE	0	.0	.1	.3	.4	.2	.1	0	0	0	6.0	
E	.1	.1	.1	.5	.7	.3	.1	0	0	0	3.7	
SE	.1	0	.1	.7	1.1	.6	.2	0	0	0	5.0	
S	.1	0	.1	.5	.5	.2	.1	0	.0	0	3.0	
SW	0	.1	0	.2	.2	.1	.1	.0	0	.0	2.0	
W	.1	0	.1	.3	.7	.3	.2	0	0	.0	6.0	
NW	0	0	.1	.3	1.6	.9	.6	.1	0	0	28.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	0	.0	0	.1	.6	.2	.1	.0	0	0	7.1	
TOT OBS	45	10	68	199	635	299	139	29	17	14	7721	9385
TOT PCT	.5	.1	.7	2.1	6.8	3.1	1.4	.2	.2	.2	82.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HM >0/0) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : CR >10	: 08 >5	: 08 >2	: 08 >1	: 08 >1/2	: 08 >1/4	: 08 >5040	: CR >0
: 08 >6500	.1	.3	.3	.3	.3	.3	.1	.3
: 08 >5000	.5	.6	.6	.6	.6	.6	.6	.6
: 08 >3500	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
: 08 >2000	4.4	4.9	5.1	5.1	5.1	5.1	5.1	5.1
: 08 >1000	10.2	11.5	11.8	11.8	11.8	11.8	11.9	11.9
: 08 >600	13.4	15.5	15.9	16.0	16.1	16.1	16.1	16.1
: 08 >300	13.9	16.1	16.6	16.7	16.8	16.8	16.8	16.9
: 08 >150	14.0	16.3	16.8	17.0	17.1	17.1	17.2	17.2
: 08 > 0	14.2	16.6	17.2	17.4	17.5	17.6	17.6	17.7
TOTAL	1359	1591	1693	1670	1678	1686	1689	1692

TOTAL NUMBER OF OBS: 9979 PCT FREQ 8M <5/8: 82.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
16.2	21.1	20.1	15.6	9.0	5.0	4.5	1.1	9.9	.5	10075

OCTOBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979

TABLE 8

AREA CODE PUERTO VALLARTA
20.4N 105.4W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	•	•	•	•	•	•	•	.0	.0	.1	
	NO PCP	.0	.0	•	•	.0	.0	.0	•	.0	.0	•	
	TOT %	.0	•	.1	•	•	•	•	•	.0	.0	.1	
1/2<1	PCP	•	•	•	•	•	.0	.0	.0	.0	.0	•	
	NO PCP	.0	.0	.0	•	.0	.0	.0	•	.0	.0	.1	
	TOT %	•	•	•	•	•	.0	.0	•	.0	.0	.1	
1<2	PCP	•	•	•	.1	•	•	.0	•	.0	.0	.2	
	NO PCP	.0	.0	•	.0	•	•	.0	•	.0	.0	•	
	TOT %	•	•	.1	.1	•	•	.0	•	.0	.0	.7	
2<5	PCP	•	•	.1	.1	.1	•	•	•	.0	•	.4	
	NO PCP	•	•	.1	.1	.1	•	•	.1	.0	•	.5	
	TOT %	•	.1	.2	.2	.1	•	.1	.1	.0	•	.9	
5<10	PCP	.1	.1	.3	.2	.2	.1	.1	.1	.0	•	1.1	
	NO PCP	.7	.4	.4	.8	.3	.2	.5	1.3	.0	.3	4.9	
	TOT %	.7	.4	.7	1.0	.5	.3	.6	1.4	.0	.3	6.0	
10+	PCP	.1	.1	.2	.2	.2	.1	.1	.2	.0	•	1.1	
	NO PCP	18.8	5.4	4.8	6.3	4.5	3.0	10.4	31.1	.0	7.1	91.6	
	TOT %	19.0	5.6	5.0	6.5	4.6	3.0	10.5	31.3	.0	7.2	92.7	
	TOT OBS												11151
	TOT PCT	19.8	6.2	5.9	7.8	5.3	3.4	11.2	32.9	.0	7.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NMI)	SPD RTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	•	•	.0	.0	.0	•	.0		•	
	11-21	.0	.0	•	•	.0	.0	.0	•	.0		•	
	22+	.0	•	•	•	•	•	•	•	.0		.1	
	TOT %	.0	•	.1	•	•	•	•	•	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	•	
	4-10	.0	.0	•	.0	.0	.0	.0	.0	.0		•	
	11-21	.0	•	.0	•	.0	.0	.0	.0	.0		•	
	22+	•	.0	•	•	•	.0	.0	.0	.0		.1	
	TOT %	•	•	•	•	•	.0	.0	•	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	•	•	•	•	.0	.0	.0	•	.0		.1	
	11-21	•	•	•	•	•	•	.0	•	.0		.1	
	22+	•	.0	•	•	•	•	•	.0	.0		.1	
	TOT %	•	•	.1	.1	•	•	•	.1	.0	.0	.4	
2<5	0-3	•	•	•	•	.0	•	•	•	.0	•	.1	
	4-10	•	•	.1	.1	•	•	•	.1	.0		.4	
	11-21	•	•	.1	•	.1	.0	•	•	.0		.3	
	22+	•	•	.1	.1	.1	•	.0	•	.0		.3	
	TOT %	.1	.1	.2	.2	.1	•	.1	.2	.0	•	1.1	
5<10	0-3	.1	•	•	•	•	•	.1	.1	.0	.1	.4	
	4-10	.4	.2	.2	.2	.1	.1	.3	.8	.0		2.5	
	11-21	.2	.1	.2	.5	.2	.1	.1	.5	.0		1.9	
	22+	.0	.1	.2	.2	.1	•	•	•	.0		.7	
	TOT %	.7	.4	.7	1.0	.5	.1	.6	1.4	.0	.1	5.4	
10+	0-3	1.9	.8	.8	.8	.7	.6	1.4	2.7	.0	7.1	17.0	
	4-10	11.8	3.4	2.9	3.8	2.5	1.9	6.9	18.3	.0		50.5	
	11-21	4.9	1.1	1.1	2.2	1.1	.5	2.1	10.0	.0		23.0	
	22+	.2	.1	.2	.5	.2	•	.1	.4	.0		1.5	
	TOT %	18.8	5.6	6.9	6.6	4.5	3.0	10.5	31.3	.0	7.3	92.6	
	TOT OBS												11467
	TOT PCT	19.7	6.2	5.9	7.8	5.2	3.4	11.2	33.0	.0	7.6	100.0	

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1880-1979

AREA 0005 PUERTO VALLARTA
20.4N 105.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >6/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.4	.2	.7	3.8	6.4	3.0	1.4	.2	.2	.2	16.3	83.7	2560
06E09	.6	.2	.4	3.5	5.5	2.6	1.0	.2	.1	.1	14.3	85.7	2351
12E15	.7	.3	1.0	4.6	6.8	3.4	1.5	.1	.2	.1	18.7	81.3	2271
18E21	.2	.5	.7	4.6	7.1	3.0	1.7	.4	.2	.3	18.6	81.4	2793
TOT	47	30	69	410	648	298	160	26	17	16	1699	8276	9975
PCT	.5	.3	.7	4.1	6.5	3.0	1.6	.2	.2	.2	17.0	83.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	*	.4	1.0	5.6	92.8	2977
06E09	.1	.1	.4	1.1	5.7	92.6	2827
12E15	.2	.2	.4	1.3	7.4	90.5	2851
18E21	.2	.1	.2	1.0	5.0	93.5	3293
TOT	19	13	42	171	701	11042	11948
PCT	.2	.1	.4	1.1	5.9	92.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8),BY HOUR

HOUR (GMT)	<150 <=4070	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00E03	.4	1.3	5.6	11.5	82.9	2960
06E09	.7	1.4	5.7	9.5	84.7	2299
12E15	.8	2.3	7.8	[illegible]	[illegible]	2177
18E21	.2	1.6	[illegible]		6	2694
TOT	48	157				9470
PCT	.5	1.6	[illegible]			100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	*	.0	.0	.0	.0	1	*
95/99	.0	.0	*	*	*	*	.0	.0	8	.1
90/94	.0	.0	*	.2	.9	.5	.2	*	175	1.8
85/89	.0	.0	.1	.4	3.5	8.9	2.7	.5	1515	16.0
80/84	.0	.0	*	.5	5.9	27.6	27.0	4.2	6160	65.0
75/79	.0	.0	.0	*	.6	4.9	7.6	3.4	1564	16.5
70/74	.0	.0	.0	.0	*	.1	.7	.3	59	.6
TOTAL	0	0	12	112	1045	3961	3556	804	9490	100.0
PCT	.0	.0	.1	1.2	11.0	41.7	37.5	8.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	*	.0	.0
.0	*	*	*	.0	.0	.0	*	.0	*
.4	.1	.1	.2	.1	*	.2	.7	.0	.1
3.5	.9	1.0	1.3	.9	.5	1.5	5.1	.0	1.3
13.9	4.5	3.5	5.1	3.2	2.2	6.9	20.2	.0	5.4
2.4	.8	1.1	1.1	1.0	.7	2.0	6.4	.0	1.0
.1	.1	.1	*	*	.1	.1	.2	.0	*
20.2	6.3	5.8	7.7	5.2	3.5	10.7	32.7	.0	7.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	100	92	88	83	78	75	68	82.9	3068
06E09	98	86	84	81	77	74	70	81.0	2879
12E15	90	85	84	81	76	73	66	80.4	2943
18E21	97	92	89	84	79	75	70	83.8	3545
TOT	100	91	88	82	77	73	66	82.1	12435

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	1.8	14.1	46.7	32.0	5.4	77	2960
06E09	.0	.3	5.1	37.3	46.8	10.5	81	2367
12E15	.0	.0	4.2	33.3	48.9	12.8	82	2307
18E21	.0	2.1	19.2	48.7	29.5	5.4	76	2652
TOT	0	127	1030	4073	3652	817	79	9739

OCTOBER

PERIOD: (PRIMARY) 1957-1979 AREA 0005 PUERTO VALLARTA
(COVER-ALL) 1880-1979 20.4N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	n FOG	WC FOG
14/16	.0	.0	.0	.0	•	•	•	5	.0	•
11/13	.0	.0	.0	•	•	.1	.1	20	.0	.2
9/10	.0	.0	•	.1	.1	.2	.1	41	.0	.5
7/8	.0	.0	.1	.2	.3	.5	.1	117	.0	1.1
6	.0	.0	•	.2	.4	.4	•	99	.0	1.0
5	.0	•	.1	.3	.8	.5	•	178	•	1.7
4	.0	•	.1	.8	1.4	.4	•	283	.0	2.7
3	.0	.0	.1	.8	1.6	.2	.0	296	.0	2.8
2	•	.1	.3	2.8	2.4	.2	•	453	•	5.8
1	.0	•	.5	3.4	2.3	.1	.0	650	•	6.2
0	.0	.1	1.5	9.0	2.6	•	.0	1368	•	13.1
-1	.0	.1	2.0	9.0	1.5	•	.0	1315	•	12.6
-2	•	.2	3.3	10.8	.8	•	.0	1581	•	15.2
-3	•	.2	3.8	6.9	.3	•	.0	1168	.1	11.2
-4	•	.3	4.4	5.0	.2	.0	.0	1035	•	9.9
-5	•	.4	3.6	2.9	.1	.0	.0	728	•	7.0
-6	.0	.4	2.3	1.0	•	.0	.0	386	•	3.7
-7/-8	•	.5	2.3	.8	•	.0	.0	375	.0	3.6
-9/-10	•	.4	.5	.2	.0	.0	.0	110	•	1.0
-11/-13	•	.2	•	•	.0	.0	.0	30	.0	.3
-14/-16	•	•	•	.0	.0	.0	.0	10	.0	.1
TOTAL	19	2603		1503		19		25	10373	
	%n		5626		264			10390		
PCT	.2	7.9 25.0		54.1	14.8	2.5	.4	100.0	.2	99.8

PERIOD: (COVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.5	.1	.0	.0	.0	3.3
1-2	.7	7.4	1.7	.0	.0	.0	9.8
3-4	.1	2.8	7.6	•	.0	.0	5.6
5-6	.0	.6	.9	.1	•	.0	1.6
7	.0	.1	.4	.1	.0	.0	.6
8-9	.0	.0	•	.1	.0	.0	.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	13.3	9.8	.2	•	.0	28.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	.0	.0	.0	.0	1.3
1-2	.2	2.1	.3	.0	.0	.0	2.6
3-4	•	1.0	.6	•	.0	.0	1.7
5-6	.0	•	.2	.0	.0	.0	.2
7	.0	•	.1	•	•	.0	.2
8-9	.0	.0	.0	•	•	.0	•
10-11	.0	.0	.0	.0	•	.0	•
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.2	1.2	.1	.1	.0	6.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	.0	.0	.0	.0	1.2
1-2	.1	1.9	.3	.0	.0	.0	2.3
3-4	.0	.5	.4	•	.0	.0	1.1
5-6	.0	.1	.4	.3	.0	.0	.7
7	.0	.0	.1	.1	•	.0	.2
8-9	.0	.0	.1	•	.0	.0	.1
10-11	.0	.0	.0	•	•	.1	.1
12	.0	.0	.0	•	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	•	•
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.3	1.4	.5	.1	.1	5.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.4	.1	.0	.0	.0	.7
1-2	.2	1.4	.5	.0	.0	.0	2.1
3-4	.0	.9	.6	.1	.0	.0	1.6
5-6	.0	•	.7	.2	.0	.0	1.0
7	.0	•	.5	.2	•	.0	.5
8-9	.0	.0	.1	.1	•	.0	.2
10-11	.0	.0	.0	.1	•	•	.2
12	.0	.0	.0	•	.0	.0	•
13-16	.0	.0	•	.1	.0	.0	.1
17-19	.0	.0	.0	.0	•	•	•
20-22	.0	.0	.0	.0	•	.0	•
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.7	2.0	.4	.1	•	5.8

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

AREA 0005 PUERTO VALLARTA
20.4N 107.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.8	.0	.0	.0	.0	1.2
1-2	.3	1.3	.2	.0	.0	.0	1.7
3-4	.0	.8	.5	*	.0	.0	1.4
5-6	.0	.2	.4	.2	.0	.0	.9
7	.0	.0	.1	.3	.0	.0	.4
8-9	.0	.0	.1	.0	*	.0	.1
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	*	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.1	1.5	.6	.1	.0	5.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.5	*	.0	.0	.0	2.3
1-2	.3	3.8	.5	.0	.0	.0	4.5
3-4	.2	1.0	1.0	.0	.0	.0	2.2
5-6	.0	.3	.3	.1	.0	.0	.8
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	6.6	2.0	.2	.0	.0	10.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	*	.0	.0	.0	1.0
1-2	.3	.9	.2	.0	.0	.0	1.3
3-4	.0	.3	*	.0	.0	.0	.3
5-6	.0	.4	.2	*	.0	.0	.6
7	.0	.0	.2	*	.0	.0	.2
8-9	.0	.0	*	*	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.2	.7	.1	.0	.0	3.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	2.4	.1	.0	.0	.0	3.5
1-2	1.3	9.9	2.6	.0	.0	.0	13.8
3-4	.3	4.8	4.8	.2	.0	.0	10.1
5-6	.0	.8	2.9	.2	*	.0	3.9
7	.0	.2	1.1	.1	.0	.0	1.4
8-9	.0	.0	.3	.1	.0	.0	.4
10-11	.0	.0	.1	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	18.1	11.8	.6	*	.0	33.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	2.4	.1	.0	.0	.0	3.5
1-2	1.3	9.9	2.6	.0	.0	.0	13.8
3-4	.3	4.8	4.8	.2	.0	.0	10.1
5-6	.0	.8	2.9	.2	*	.0	3.9
7	.0	.2	1.1	.1	.0	.0	1.4
8-9	.0	.0	.3	.1	.0	.0	.4
10-11	.0	.0	.1	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	18.1	11.8	.6	*	.0	33.1

HGT	TOTAL PCT
<1	
1-2	
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	92.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.6	10.0	.3	.0	.0	.0	22.9	
1-2	3.7	28.3	6.1	.0	.0	.0	38.1	
3-4	.6	11.9	10.9	.4	.0	.0	23.8	
5-6	*	2.4	6.0	1.0	*	.0	9.4	
7	.0	.3	2.3	.0	.1	.0	2.5	
8-9	.0	.0	.6	.4	.1	.0	1.1	
10-11	.0	.0	.2	.3	.1	.1	.7	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	*	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	*	*	.1	
20-22	.0	.0	.0	.0	*	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	17.0	52.9	26.4	3.1	.4	.1	100.0	2723

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	17.8	17.1	6.2	1.8	.5	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4096	3
6-7	.1	2.9	7.8	6.4	2.9	1.0	.7	.2	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	1869	5
8-9	.1	.9	2.7	3.3	1.8	1.0	.6	.2	.3	*	.0	*	.0	.0	.0	.0	.0	.0	.0	921	6
10-11	.0	.5	1.1	1.1	.5	.5	.3	.1	.2	*	*	*	.0	*	.0	.0	.0	.0	.0	368	6
12-13	.0	.0	.5	.5	.2	.1	.1	.0	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	125	6
>13	.0	.0	.0	.2	.2	.1	.1	.0	*	*	.0	*	.0	.0	.0	.0	.0	.0	.0	58	8
INDET	5.8	1.7	2.1	1.1	.4	.2	.1	*	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	976	2
TOTAL	916	1999	2630	1583	661	287	169	49	85	17	7	9	0	1	0	0	0	0	0	8413	4
PCT	10.9	23.8	31.3	18.8	7.9	3.4	2.0	.6	1.0	.2	.1	.1	.0	*	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1870-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.1	.1	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.3		.0	98.1
NE	.8	.3	.0	.0	.0	.0	.0	1.9	.6	.6	.7	.0	.2		.0	96.0
E	1.8	1.5	.7	.0	.0	.0	.0	3.9	.7	.7	.4	.0	.9		.0	93.4
SE	2.9	2.0	.6	.0	.0	.0	.0	5.5	1.3	2.5	.4	.0	.9		.0	89.4
S	2.7	2.4	.4	.0	.0	.0	.0	5.5	4.0	9.0	.0	.0	1.1		.0	86.0
SW	3.7	.8	.6	.0	.0	.0	.0	5.1	2.0	2.3	.6	.0	.9		.0	88.9
W	.1	.4	.0	.0	.0	.0	.0	.5	.2	.8	.6	.0	.3		.0	97.5
NW	.2	.1	.2	.0	.0	.0	.0	.4	.4	.3	.3	.0	.4		*	98.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.2	.0	.0	.0	.0	.2	.3	.5	.0	.0	1.2		.0	97.8
TOT PCT	.4	.3	.3	.0	.0	.0	.0	1.0	.5	.6	.4	.0	.4		*	97.1
TOT OBS: 10429																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
0003	.5	.4	.4	.0	.0	.0	.0	1.3	.3	.2	.5	.0	.6		.0	97.1
0609	.3	.2	.2	.0	.0	.0	.0	.8	.4	1.0	.3	.0	.5		*	96.9
1215	.6	.3	.4	.0	.0	.0	.0	1.2	.7	1.2	.6	.0	.4		.0	95.9
1821	.4	.3	.2	.0	.0	.0	.0	.9	.4	.1	.3	.0	.4		.0	97.9
TOT PCT	.4	.3	.3	.0	.0	.0	.0	1.0	.5	.6	.4	.0	.5		*	97.0
TOT OBS: 10673																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.8	20.4	13.0	.7	*	.0		36.9	10.0	39.3	42.6	32.9	35.6	34.9	37.7	39.5	36.1
NE	1.4	7.0	2.5	.1	*	.0		11.0	8.5	8.4	14.7	9.5	10.1	11.4	16.7	13.7	9.8
E	.7	2.5	.5	.1	*	.0		3.9	7.5	3.0	2.0	3.5	2.2	3.9	4.0	5.0	4.1
SE	.5	1.3	.4	.1	.0	.0		2.2	7.9	1.8	1.0	2.5	1.4	1.8	1.6	2.9	3.8
S	.3	1.0	.3	*	*	.0		1.6	7.4	2.1	.8	1.8	2.7	1.5	1.0	1.3	2.1
SW	.3	1.0	.3	*	.0	.0		1.6	7.1	2.4	.9	1.5	2.2	1.1	1.6	1.3	2.6
W	1.1	4.0	1.0	*	.0	.0		6.1	7.3	6.3	5.9	7.7	9.0	5.9	3.5	4.9	7.2
NW	2.5	18.7	9.1	.3	*	.0		30.7	9.3	32.3	27.0	33.5	34.7	32.0	28.2	25.8	36.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.9							5.9	.0	4.3	5.0	7.1	2.2	7.5	5.7	5.4	2.7
TOT OBS	1772	6390	3086	156	7	0	11411		8.6	2601	220	2536	139	2408	348	3017	146
TOT PCT	15.5	56.0	27.0	1.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	10.5	23.0	3.3	.2	.0		36.9	10.0	39.5	33.0	35.3	39.4
NE	4.4	6.0	.6	*	.0		11.0	8.5	8.9	9.5	12.1	13.3
E	1.9	1.8	.1	*	.0		3.9	7.5	3.0	3.4	3.9	5.0
SE	1.1	1.0	.1	*	.0		2.2	7.9	1.8	2.4	1.8	3.0
S	.9	.6	.1	.0	*		1.6	7.4	2.0	1.8	1.4	1.3
SW	.9	.6	.1	.0	.0		1.6	7.1	2.3	1.6	1.2	1.4
W	3.1	2.8	.2	*	.0		6.1	7.3	6.2	7.8	5.6	5.0
NW	9.8	18.8	1.9	.1	.0		30.7	9.3	31.9	33.6	31.5	26.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.9						5.9	.0	4.4	6.9	7.3	5.3
TOT OBS	4432	6226	734	38	1	11411		8.6	2821	2675	2756	2159
TOT PCT	38.7	54.6	6.4	.3	*		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1952-1974
(OVER-ALL) 1970-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.4	8.3	59.1	22.4	1.7	.1	.0	9.3	100.0	2821
06&09	4.9	9.0	57.4	25.4	1.3	*	.0	8.9	100.0	2675
12&15	7.3	9.3	50.6	23.8	1.0	*	.0	8.2	100.0	2756
18&21	5.3	11.6	55.1	26.6	1.5	*	.0	8.6	100.0	3159
TOT	675	1097	6390	3086	156	7	0	8.6		11411
PCT	5.9	9.6	56.0	27.0	1.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	18.1	9.5	7.8	1.9		3.0
NE	4.7	2.4	2.5	.9		3.3
E	1.7	.9	1.0	.3		3.4
SE	.8	.5	.7	.2		3.7
S	.6	.4	.6	.2		3.9
SW	.6	.4	.4	.2		3.8
W	3.1	1.6	1.7	.7		2.8
NW	15.7	7.9	6.7	1.1		2.8
VAR	.0	.0	.0	.0		.0
CALM	3.5	1.3	1.0	.2		2.4
TOT OBS	4133	2121	1849	430	8533	3.0
TOT PCT	48.4	24.9	21.7	5.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NW >4/8) AND OCCURRENCE OF NW <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NW <5/8 ANY WGT	TOTAL OBS
N	*	*	.1	.8	1.9	1.0	.3	.1	.1	.1	32.9	
NE	*	*	*	.4	.7	.4	.2	*	*	*	8.8	
E	*	*	*	.2	.3	.1	.1	*	.0	.0	3.2	
SE	*	.0	*	.1	.2	.1	*	*	*	*	1.7	
S	*	.0	*	.1	.2	.1	*	.0	.0	*	1.3	
SW	*	.0	*	.1	.1	*	*	*	.0	*	1.2	
W	*	.0	*	.2	.2	.1	.1	*	.0	*	5.6	
NW	*	.1	.1	.8	1.5	.6	.3	*	.1	.1	26.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	*	*	.2	.1	.1	*	*	*	4.4	
TOT OBS	24	11	34	228	409	214	88	24	17	27	7417	8533
TOT PCT	.3	.1	.4	2.7	5.5	2.5	1.0	.3	.2	.3	86.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NW >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >SOYC	= OR >0
= OR >6500	.4	.5	.5	.5	.5	.5	.5	.5
= OR >5000	.7	.8	.8	.8	.8	.8	.8	.8
= OR >3500	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
= OR >2000	4.1	4.3	4.3	4.4	4.4	4.4	4.4	4.4
= OR >1000	8.8	9.4	9.6	9.6	9.6	9.6	9.6	9.6
= OR >600	11.1	12.0	12.2	12.3	12.3	12.3	12.3	12.3
= OR >300	11.5	12.4	12.6	12.6	12.6	12.6	12.6	12.6
= OR >150	11.5	12.5	12.7	12.8	12.8	12.8	12.8	12.8
= OR > 0	11.7	12.8	13.0	13.0	13.1	13.1	13.1	13.1
TOTAL	1020	1109	1128	1133	1134	1135	1135	1135

TOTAL NUMBER OF OBS: 8685

PCT FREQ NW <5/8: 86.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
25.2	21.3	10.7	13.6	8.1	4.7	3.3	2.7	2.3	.2	9128

NOVEMBER

PERIOD: (PRIMARY) 1952-1979 AREA 0005 PUERTO VALLARTA
(OVER-ALL) 1870-1979 TABLE 8 20.5N 107.4W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	*	.0	*	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	*	.0	*	.0	*	.0	.0	*	
1/2<1	PCP	.0	*	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	*	.0	.0	.0	*	*	.1	.0	.0	.1	
	TOT %	.0	*	*	*	.0	*	*	.1	.0	.0	.1	
1<2	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
2<5	PCP	*	*	*	*	.0	*	.0	*	.0	.0	.1	
	NO PCP	*	*	.0	.0	*	.0	*	.1	.0	.0	.1	
	TOT %	.1	*	*	*	*	*	*	.1	.0	.0	.3	
5<10	PCP	.1	.1	.1	.1	*	*	*	*	.0	*	.4	
	NO PCP	1.1	.6	.2	.1	.1	.1	.3	1.2	.0	.2	4.1	
	TOT %	1.2	.7	.3	.2	.1	.1	.3	1.3	.0	.3	4.4	
10+	PCP	.1	.1	*	*	.1	*	*	.1	.0	.0	.4	
	NO PCP	35.4	9.8	3.5	2.0	1.5	1.4	5.9	29.7	.0	5.5	94.7	
	TOT %	35.5	9.8	3.6	2.1	1.5	1.4	5.9	29.8	.0	5.5	95.2	
	TOT OBS												10387
	TOT PCT	36.8	10.6	3.9	2.3	1.7	1.5	6.3	31.2	.0	5.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	4-10	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	*	.0	*	.0		*	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	.0	*	.0	*	*	*	.0	.0	.1	
1/2<1	0-3	.0	*	.0	.0	.0	*	*	*	.0	.0	*	
	4-10	*	*	*	.0	.0	.0	.0	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	*	*	*	*	.0	*	*	.1	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	.0	.0	.0	.0	*	.0	*	.0		*	
	11-21	*	.0	*	*	.0	.0	.0	.0	.0		*	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	*	.0	*	*	.0	*	.0	*	.0	.0	.1	
2<5	0-3	*	*	.0	.0	.0	.0	.0	*	.0	*	.1	
	4-10	.1	*	*	*	*	.0	*	.1	.0		.2	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	.0	*	.0	.0	.0	.0	*	.0		*	
	TOT %	.1	.1	.1	*	*	*	*	.1	.0	*	.5	
5<10	0-3	.2	.1	.1	*	*	*	.1	.1	.0	.3	.8	
	4-10	.5	.4	.1	.1	.1	.1	.1	.7	.0		2.2	
	11-21	.4	.2	*	*	*	*	.1	.4	.0		1.1	
	22+	*	*	*	*	*	.0	*	*	.0		.2	
	TOT %	1.1	.7	.3	.2	.1	.1	.3	1.2	.0	.3	4.3	
10+	0-3	2.6	1.2	.7	.4	.3	.3	1.0	2.4	.0	5.6	14.5	
	4-10	19.7	6.3	2.3	1.2	.9	.9	4.0	18.0	.0		53.3	
	11-21	12.7	2.3	.5	.4	.3	.2	.9	8.8	.0		26.0	
	22+	.7	.1	*	*	*	*	*	.3	.0		1.2	
	TOT %	35.7	9.9	3.5	2.0	1.5	1.5	5.8	29.4	.0	5.6	95.0	
	TOT OBS												10934
	TOT PCT	37.0	10.7	3.8	2.3	1.7	1.6	6.2	30.9	.0	5.9	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1870-1979

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00&03	.2	.3	.3	2.5	5.3	3.0	1.1	.3	.3	.4	13.7	86.3	2315
06&09	.4	.1	.2	2.2	4.6	1.7	.6	.1	.2	.2	10.3	89.7	2160
12&15	.2	.1	.4	2.4	5.6	2.1	.9	.2	.1	.3	12.8	87.2	2083
18&21	.3	.1	.5	2.6	4.7	3.0	1.3	.4	.2	.3	13.3	86.7	2510
TOT	25	12	34	231	457	226	88	24	17	27	1141	7927	9068
PCT	.3	.1	.4	2.5	5.0	2.5	1.0	.3	.2	.3	12.6	87.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	.2	.1	.5	3.7	95.3	2776
06&09	.1	.1	.0	.3	4.9	94.6	2681
12&15	.0	.1	.1	.7	5.5	93.6	2694
18&21	*	.2	*	.3	3.3	96.1	3030
TOT	8	18	8	53	480	10614	11181
PCT	.1	.2	.1	.5	4.3	94.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <2	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00&03	.2	.9	3.8	10.6	85.6	2221
06&09	.4	.8	3.3	7.6	89.1	2059
12&15	.2	.7	4.2	9.3	86.5	2005
18&21	.3	.9	3.8	10.0	86.3	2400
TOT	25	73	326	819	7540	8685
PCT	.3	.8	3.8	9.4	86.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	*	*	.0	.0	.0	4	*
90/94	.0	.0	*	.2	.4	.1	*	.0	60	.7
85/89	.0	.0	*	.6	1.9	1.9	.6	.2	453	5.2
80/84	.0	*	.1	1.1	9.0	21.1	11.8	2.4	3946	45.6
75/79	.0	.0	.1	1.1	6.7	19.0	13.1	3.3	3758	43.4
70/74	.0	.0	*	.9	1.1	1.7	1.3	.6	427	4.9
65/69	.0	.0	.0	*	*	*	*	*	12	.1
TOTAL	0	1	26	291	1653	3798	2326	565	8660	100.0
PCT	.0	*	.3	3.4	19.1	43.9	26.9	6.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	.0	.0	.0	.0	*	*	.0	.0
.2	*	*	*	*	*	*	.2	.0	.1
1.8	.7	.2	.2	.1	*	.4	1.6	.0	.3
17.2	4.8	1.9	1.2	.8	.8	2.8	13.4	.0	2.7
16.5	4.5	1.6	.7	.7	.7	2.6	13.4	.0	2.7
1.6	.6	.2	.1	.1	*	.4	1.7	.0	.2
*	*	*	.0	.0	.0	*	.1	.0	.0
37.4	10.6	3.9	2.1	1.7	1.6	6.2	30.5	.0	5.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	90	86	80	75	73	70	80.4	2851
06&09	92	84	82	79	74	72	65	78.5	2731
12&15	97	83	82	78	73	71	66	78.0	2805
18&21	100	90	87	81	76	73	68	81.1	3191
TOT	100	88	85	80	74	72	65	79.6	11578

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.4	23.5	45.9	20.9	5.3	75	2215
06&09	.0	1.8	12.9	43.0	34.6	7.9	78	2163
12&15	.0	1.9	10.7	41.8	36.3	9.3	79	2095
18&21	.0	6.2	27.8	44.5	17.3	4.2	73	2395
TOT	0	324	1689	3688	2385	582	76	8868

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.0	*	*	*	*	9	.0	.1
11/13	.0	.0	*	*	*	*	.1	.1	23	.0	.2
9/10	.0	.0	.0	.1	.1	.1	.1	*	36	.0	.4
7/8	.0	.0	*	.1	.2	.3	.2	*	83	.0	.9
6	.0	*	*	.1	.1	.4	.1	.0	77	*	.8
5	.0	.0	.1	.2	.4	.3	.1	*	115	*	1.2
4	.0	.0	.1	.4	.6	.8	.1	.0	208	*	2.1
3	.0	.0	.1	.4	.9	.7	*	.0	216	*	2.2
2	.0	.0	.2	.8	2.4	.7	*	.0	398	.1	4.1
1	.0	.0	.1	1.2	2.8	.7	.0	.0	472	*	4.8
0	*	.1	.4	3.7	5.5	.5	.0	.0	998	.1	10.2
-1	.0	*	.5	4.7	5.5	.2	.0	.0	1056	.1	10.8
-2	.0	.1	1.1	9.0	5.7	.1	.0	.0	1552	.1	15.9
-3	*	.1	1.5	7.8	3.3	.1	.0	.0	1232	*	12.7
-4	*	.1	2.3	7.8	2.3	*	.0	.0	1215	*	12.5
-5	*	.2	2.2	5.6	1.0	.0	.0	.0	876	.0	9.0
-6	.0	.1	1.7	2.9	.2	*	.0	.0	478	.0	4.9
-7/-8	.0	.2	2.3	2.1	.1	*	.0	.0	461	.0	4.8
-9/-10	*	.2	.9	.4	*	.0	.0	*	136	.0	1.4
-11/-13	*	.1	.1	.1	.0	.0	.0	.0	36	.0	.4
-14/-16	*	*	*	*	.0	.0	.0	.0	8	.0	.1
TOTAL	11	133C			3049		84			97	9636
		122		4986		484		12	9693		
PCT	.1	1.3	13.7	47.4	31.5	5.0	.9	.2	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	2.9	.2	.0	.C	.0	4.6
1-2	.4	12.3	3.2	.0	.C	.0	16.3
3-4	.2	6.6	7.1	.3	.C	.0	14.2
5-6	*	1.3	3.2	.2	*	.0	4.7
7	.0	.1	.7	.1	.C	.0	.9
8-9	.0	.0	.2	.1	.0	.0	.4
10-11	.0	.0	.0	*	.C	.0	*
12	.0	.0	*	.0	.C	.0	*
13-16	.0	.0	.0	*	.C	.0	*
17-19	.0	.0	.0	*	.C	.0	*
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	2.6	23.2	14.8	.9	*	.0	41.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.9	.1	.0	.C	.0	1.8
1-2	.4	3.4	.6	*	.0	.0	4.4
3-4	.1	1.5	1.4	*	.C	.0	3.0
5-6	*	.2	.7	.1	.C	.0	1.0
7	.0	.1	*	.0	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	*	.C	.C	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	*	.C	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	1.2	6.0	2.9	.3	.C	.0	10.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.6	.0	.0	.0	.0	1.0
1-2	.3	1.1	.1	.0	.C	.0	1.5
3-4	.1	.5	.2	.0	.0	.0	.8
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	*	.0	.C	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.7	2.3	.4	.0	.C	.0	3.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.3
1-2	.1	.2	.1	.0	.0	.0	.4
3-4	.0	.4	.1	.0	.0	.0	.4
5-6	.0	*	.2	.0	.0	.0	.2
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.4	.0	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1979

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.1	.0	.0	.0	.4
1-2	.1	.5	.0	.0	.0	.0	.6
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.8	.2	.0	.0	.0	1.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.4	.1	.0	.0	.0	3.4
1-2	.6	10.2	2.2	.0	.0	.0	13.0
3-4	.2	5.4	4.2	.2	.0	.0	9.9
5-6	•	.9	2.1	.1	.0	.0	3.2
7	.0	.1	.5	•	.0	.0	.6
8-9	.0	•	.1	•	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	•	.0	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	•	.0	.0	•
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	19.0	9.1	.4	.0	.0	30.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.8
1-2	.2	2.3	.1	.0	.0	.0	2.7
3-4	•	.6	.3	.0	.0	.0	.9
5-6	.0	.3	.1	•	.0	.0	.4
7	.0	.2	•	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.9	.6	•	.0	.0	5.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	2.4	.1	.0	.0	.0	3.4	
1-2	.6	10.2	2.2	.0	.0	.0	13.0	
3-4	.2	5.4	4.2	.2	.0	.0	9.9	
5-6	•	.9	2.1	.1	.0	.0	3.2	
7	.0	.1	.5	•	.0	.0	.6	
8-9	.0	•	.1	•	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	•	.0	.0	.0	•	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	•	.0	.0	•	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	19.0	9.1	.4	.0	.0	30.4	94.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.8	8.1	.6	.0	.0	.0	18.5	
1-2	2.8	30.0	6.2	•	.0	.0	39.1	
3-4	.8	15.0	13.1	.5	.0	.0	29.5	
5-6	.1	2.7	6.6	.5	•	.0	9.7	
7	.0	.3	1.4	.2	.0	.0	1.9	
8-9	.0	•	.3	.2	.0	.0	.6	
10-11	.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	•	.0	.0	.0	.1	
13-16	.0	.0	.0	•	.0	.0	•	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	•	.0	.0	•	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.6	56.5	28.1	1.6	•	.0	100.0	2413

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.2	21.3	19.8	7.2	1.9	.6	.1	.1	.1	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	4259	3
6-7	.1	2.8	8.2	6.6	2.2	.8	.3	.1	.1	•	•	.0	•	.0	.0	.0	.0	.0	.0	1592	4
8-9	.1	.9	2.1	2.0	1.2	.4	.1	.1	•	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	530	5
10-11	.0	.9	.7	.7	.5	.1	.1	.0	•	•	.0	.0	.0	•	.0	.0	.0	.0	.0	241	5
12-13	.0	.0	.6	.3	.1	.1	.1	.0	•	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	5
>13	.0	.0	.0	.4	.3	.0	.0	.0	•	.0	•	•	.0	.0	.0	.0	.0	.0	.0	54	7
INDET	5.6	2.0	1.6	.7	.5	.1	.1	.1	•	.0	.0	•	•	.0	.0	.0	.0	.0	.0	798	2
TOTAL	834	2116	2499	1343	502	154	63	19	17	7	2	2	2	2	0	0	0	0	0	7562	3
PCT	11.0	28.0	33.0	17.8	6.6	2.0	.8	.3	.2	.1	•	•	•	•	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1860-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NC SIG WEA
N	.5	.2	.4	.0	.0	.0	.0	1.1	.6	.3	.1	.0	.2	.1	97.7
NE	1.5	.3	1.3	.0	.0	.0	.0	2.9	.8	.8	.1	.0	.4	.0	95.0
E	2.1	.2	.7	.0	.0	.0	.0	3.0	2.4	1.5	.3	.0	.4	.0	92.4
SE	4.3	.9	.7	.0	.0	.0	.0	5.9	2.0	1.5	.7	.0	.4	.0	89.6
S	2.9	.0	1.4	.0	.0	.0	.0	4.2	4.4	1.0	.0	.0	1.2	.0	89.2
SW	5.3	.4	.8	.0	.0	.0	.0	5.7	1.0	1.0	.8	.0	1.2	.0	90.2
W	1.1	.6	.2	.0	.0	.0	.0	1.9	1.1	.7	.0	.0	.5	.0	95.7
NW	.1	.1	.3	.0	.0	.0	.0	.5	.6	.2	.4	.0	.4	*	97.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.7	.0	.0	.0	.0	.7	.2	.7	.0	.0	1.1	.0	97.3
TOT PCT	.9	.2	.6	.0	.0	.0	.0	1.6	.8	.5	.2	.0	.4	*	96.5
TOT OBS:	9626														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	NC SIG WEA
00&03	.8	.2	.3	.0	.0	.0	.0	1.3	.4	.1	.3	*	.4	*	97.4
06&09	.7	.3	.5	.0	.0	.0	.0	1.5	.8	.9	.1	.0	.5	*	96.1
12&15	1.0	.3	.8	.0	.0	.0	.0	2.0	1.2	.9	.2	.0	.3	*	95.4
18&21	.9	.1	.6	.0	.0	.0	*	1.6	.8	.1	.1	.0	.3	.0	97.1
TOT PCT	.9	.2	.6	.0	.0	.0	*	1.6	.8	.5	.2	*	.4	*	96.5
TOT OBS:	9815														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.3	20.7	16.5	1.1	*	.0		40.6	10.8	42.6	36.6	37.1	39.5	38.8	41.1	43.3	45.5
NE	1.1	8.5	5.3	.2	.0	.0		15.1	9.8	13.3	17.9	14.0	8.1	15.5	15.6	17.3	17.3
E	.8	3.0	.9	*	.0	.0		4.7	7.6	3.9	3.8	5.6	2.6	4.7	2.9	5.1	4.4
SE	.3	1.5	.6	.1	.0	.0		2.4	8.5	2.0	2.0	2.1	2.7	2.6	2.4	2.9	1.2
S	.3	.9	.3	*	.0	.0		1.5	8.6	1.7	1.7	1.2	2.2	1.3	1.1	1.7	3.0
SW	.3	.8	.1	*	.0	.0		1.3	6.6	1.7	1.9	1.0	1.6	1.1	2.0	1.2	1.4
W	.8	3.4	.9	*	.0	.0		5.1	7.7	5.7	4.9	5.9	7.9	4.9	5.2	4.1	1.6
NW	1.6	14.0	8.3	.4	*	.0		24.4	9.9	25.6	26.0	27.1	32.9	25.3	24.6	20.0	22.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.9							4.9	.0	3.8	5.2	4.0	3.2	5.8	5.2	4.3	2.8
TOT OBS	1297	5546	3449	213	6	0	10511		9.4	2302	173	2351	126	2222	286	2814	143
TOT PCT	12.3	52.8	32.8	2.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GPT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	9.8	25.5	5.2	.2	.0		40.6	10.8	42.2	37.2	39.1	43.4
NE	4.5	9.2	1.3	.1	.0		15.1	9.8	13.6	13.7	15.5	17.3
E	2.4	2.1	.2	.0	.0		4.7	7.6	3.9	5.5	4.5	5.1
SE	1.1	1.1	.2	*	.0		2.4	8.5	2.0	2.1	2.6	2.8
S	.8	.7	.1	.0	.0		1.5	8.0	1.7	1.3	1.3	1.8
SW	.7	.4	.1	.0	.0		1.3	6.6	1.7	1.0	1.2	1.2
W	2.5	2.3	.3	.0	.0		5.1	7.7	5.7	6.0	4.9	4.0
NW	7.3	14.7	2.3	.1	.0		24.4	9.9	25.5	27.4	25.2	20.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.9						4.9	.0	3.8	5.9	5.7	4.2
TOT OBS	3572	5893	1018	36	0	10511		9.4	2565	2877	2508	2961
TOT PCT	34.0	56.1	9.6	.3	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1860-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
0003	3.9	7.0	49.2	37.0	2.8	*	.0	10.1	100.0	2565
0609	5.9	7.2	54.4	30.8	1.7	.1	.0	9.2	100.0	2477
1215	5.7	7.8	55.2	29.5	1.7	.1	.0	9.0	100.0	2508
1821	4.2	7.9	52.3	33.7	1.8	*	.0	9.5	100.0	2961
TOT	513	787	5544	3448	213	6	0	9.4		10511
PCT	4.9	7.5	52.7	32.8	2.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	16.5	7.9	11.4	4.9		3.6
NE	5.1	2.9	4.0	3.1		4.2
E	1.6	.9	1.9	1.0		4.4
SE	.7	.4	.8	.5		4.5
S	.3	.3	.5	.4		5.2
SW	.3	.3	.4	.3		4.6
W	2.1	1.0	1.4	.4		3.6
NW	11.1	5.1	6.2	2.4		3.3
VAR	.0	.0	.0	.0		.0
CALM	2.2	.9	.9	.4		3.0
TOT OBS	3152	1581	2133	1086	7912	3.7
TOT PCT	39.8	19.5	27.0	13.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	.1	.2	1.7	3.4	1.8	.8	.3	.2	.4	31.8	
NE	*	.0	.1	.9	1.6	.7	.4	.1	.1	.1	10.9	
E	*	*	.1	.3	.6	.2	.1	.1	*	*	3.5	
SE	*	*	*	.1	.3	.1	.1	*	.0	*	1.7	
S	.0	.0	*	.1	.2	.1	*	*	*	*	.9	
SW	*	*	*	.1	.1	.1	*	*	.0	*	.8	
W	*	*	*	.3	.4	.2	.1	*	*	.1	4.0	
NW	*	*	.2	.8	1.8	.9	.5	.1	.1	.2	20.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.2	.2	.1	.0	*	*	3.7	
TOT OBS	17	8	51	350	680	340	171	98	62	67	6138	7912
TOT PCT	.2	.1	.6	4.4	8.6	4.3	2.2	1.2	.8	.8	77.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
: OR >5000	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
: OR >3500	3.8	4.1	4.2	4.2	4.2	4.2	4.2	4.2
: OR >2000	7.9	8.4	8.5	8.5	8.5	8.5	8.5	8.5
: OR >1000	15.8	17.0	17.1	17.1	17.1	17.1	17.1	17.1
: OR >600	19.7	21.4	21.5	21.5	21.5	21.5	21.5	21.5
: OR >300	20.1	22.0	22.1	22.1	22.1	22.1	22.1	22.1
: OR >150	20.2	22.1	22.2	22.2	22.2	22.2	22.2	22.2
: OR > 0	20.4	22.3	22.4	22.4	22.5	22.5	22.5	22.5
TOTAL	1638	1790	1801	1803	1804	1804	1805	1805

TOTAL NUMBER OF OBS: 8039

PCT FREQ MM <5/8: 77.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
25.5	16.1	14.8	11.8	8.7	5.6	5.7	4.8	6.9	.1	8490

DECEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1960-1979

AREA 0605 PUERTO VALLARTA
20.5N 107.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	.0	.0	.0	*	.0	.0	*	.0	.0	*	
	TOT %	*	*	.0	.0	*	.0	.0	*	.0	.0	.1	
1/2<1	PCP	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	*	*	.0	.0	.0	*	.0	.0	.0	.0	*	
	TOT %	*	*	*	*	.0	*	.0	.0	.0	.0	*	
1<2	PCP	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	.0	.0	*	.0	*	.0	.0	.0	.0	*	
2<5	PCP	*	*	*	*	*	.0	*	*	.0	.0	.1	
	NO PCP	*	.0	.0	*	*	*	*	*	.0	*	.1	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.3	
5<10	PCP	.2	.2	*	.1	*	*	.1	.1	.0	*	.6	
	NO PCP	1.4	.8	.4	.2	.1	.1	.3	1.0	.0	.2	4.5	
	TOT %	1.6	.9	.4	.3	.1	.1	.4	1.1	.0	.3	5.1	
10+	PCP	.2	.2	.1	*	*	*	*	.1	.0	*	.8	
	NO PCP	38.7	13.8	4.3	2.0	1.3	1.1	4.8	23.4	.0	4.3	93.7	
	TOT %	38.9	14.0	4.4	2.1	1.4	1.1	4.9	23.5	.0	4.3	94.5	
	TOT OBS												9594
	TOT PCT	40.5	15.0	4.8	2.4	1.5	1.3	5.2	24.6	.0	4.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	.0	.0	*	.0		.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0		*	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	*	.0	*	.1	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
	4-10	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	*	*	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	*	.0	*	.0	.0	.0	.0	*	
1<2	0-3	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	.0	*	.0	*	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	*	*	*	.0	*	.0	*	.0	.0	*	
2<5	0-3	*	.0	.0	.0	.0	*	*	.0	.0	*	.1	
	4-10	.1	*	*	*	*	*	*	.1	.0		.2	
	11-21	*	*	*	*	*	.0	.0	*	.0		.1	
	22+	*	.0	.0	*	*	.0	.0	.0	.0		*	
	TOT %	.1	.1	*	*	*	*	*	.1	.0	*	.5	
5<10	0-3	.1	.1	.1	.1	*	*	.1	.1	.0	.2	.9	
	4-10	.7	.3	.2	.1	.1	.1	.2	.5	.0		2.2	
	11-21	.6	.4	.1	.1	*	*	.1	.4	.0		1.6	
	22+	.1	*	*	*	*	*	.0	*	.0		.2	
	TOT %	1.5	.9	.4	.3	.1	.2	.4	1.0	.0	.3	5.0	
10+	0-3	2.1	.9	.6	.3	.2	.3	.7	1.6	.0	4.3	11.1	
	4-10	19.9	8.0	2.8	1.4	.8	.7	3.2	13.5	.0		50.3	
	11-21	15.9	4.8	.8	.4	.3	.1	.8	7.9	.0		31.1	
	22+	1.1	.2	*	.1	*	*	*	.4	.0		1.9	
	TOT %	39.0	14.0	4.3	2.1	1.4	1.1	4.8	23.4	.0	4.4	94.3	
	TOT OBS												10137
	TOT PCT	40.6	15.0	4.8	2.4	1.5	1.3	5.2	24.6	.0	4.7	100.0	

DECEMBER

PERIOD: (PRIMARY) 1953-1979
(OVER-ALL) 1960-1979

AREA 0005 PUERTO VALLARTA
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.1	.1	.6	3.9	8.3	4.4	2.6	.7	.5	.9	22.0	78.0	2128
06E09	.2	.1	.5	3.7	7.5	3.7	1.7	.5	.7	.7	19.3	80.7	1974
12E15	.4	.0	.8	5.0	9.1	4.2	1.9	.4	.4	1.3	23.6	76.4	1893
18E21	.2	.2	.6	4.5	8.3	4.4	2.0	.8	.5	.6	22.1	77.9	2344
TOT	16	8	51	356	693	351	173	59	43	70	1812	6527	8339
PCT	.2	.1	.6	4.3	8.3	4.2	2.1	.6	.5	.8	21.7	78.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	*	.1	.5	5.0	94.3	2526
06E09	.2	*	.0	.6	4.7	94.5	2468
12E15	.1	*	.1	.5	6.2	93.0	2485
18E21	.2	*	*	.4	4.5	94.9	2847
TOT	16	4	6	50	523	9727	10326
PCT	.2	*	.1	.5	5.1	94.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <5DYD	<600 <1	<1000 <5	1000+ ANDS+	MM <5/8 AND 5+	TOTAL OBS
00E03	.1	.9	5.1	17.7	77.2	2054
06E09	.3	.9	5.0	15.3	79.7	1899
12E15	.4	1.3	6.9	17.9	75.2	1820
18E21	.2	.9	5.8	17.1	77.1	2256
TOT	20	81	455	1366	6213	8034
PCT	.2	1.0	5.7	17.0	77.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	*	.0	*	*	*	*	.0	11	.1
85/89	.0	.0	*	.1	.3	.3	.1	*	66	.8
80/84	.0	*	.1	.4	3.1	6.6	3.2	.6	1187	14.0
75/79	.0	.0	.1	1.4	6.3	22.3	16.0	4.4	4153	50.5
70/74	.0	.0	.1	1.1	6.6	10.6	9.9	3.1	2581	31.4
65/69	.0	.0	.0	.2	.6	1.0	.8	.5	256	3.1
60/64	.0	.0	.0	*	*	*	.0	*	7	.1
55/59	.0	.0	.0	.0	.0	.0	*	.0	1	*
TOTAL	0	2	26	263	1391	3353	2471	714	8220	100.0
PCT	.0	*	.3	3.2	16.9	40.8	30.1	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	*	*	.0	.0	.0	*	.1	.0	.0
.3	.1	*	.1	*	.0	*	.2	.0	.1
5.1	1.6	.8	.7	.3	.2	1.0	3.9	.0	.9
21.6	7.8	2.9	1.0	.8	.7	2.3	12.3	.0	1.8
12.8	5.9	1.3	.6	.2	.3	1.6	7.8	.0	1.9
1.3	.6	.1	.1	*	*	.2	.8	.0	.1
*	.0	.0	.0	.0	.0	*	*	.0	.0
*	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.1	15.9	4.7	2.9	1.9	1.1	5.0	24.5	.0	4.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	94	85	82	77	71	69	59	76.5	7568
06E09	89	82	80	75	70	67	61	75.0	2505
12E15	91	81	80	75	69	66	63	74.6	2563
18E21	93	86	83	77	71	68	60	77.3	2979
TOT	94	84	82	76	70	67	59	75.9	10635

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	4.2	20.6	42.8	26.4	5.9	76	2052
06E09	.0	2.6	11.7	38.2	37.4	10.2	79	2042
12E15	.0	1.9	11.6	36.9	36.6	12.9	79	2007
18E21	.0	5.3	22.7	49.7	20.8	6.5	75	2279
TOT	0	300	1411	3418	2515	736	77	8380

DECEMBER

PERIOD: (PRIMARY) 1953-1979
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AREA 0005 PUERTO VALLARTA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 or 60	61 to 64	65 to 68	69 to 72	73 to 76	77 to 80	81 to 84	85 to 88	89 to 92	>92	TOT	% FOG	NO FOG
10/16	.0	.0	.0	.0	.0	•	.0	•	.0	•	5	.0	.1
11/13	.0	.0	.0	.0	•	•	.1	•	•	.0	20	.0	.2
9/10	.0	.0	.0	.0	•	.2	.1	•	•	•	30	.0	.3
7/8	.0	.0	.0	•	.1	.2	.2	.2	•	.0	65	.0	.7
6	.0	.0	.0	•	.1	.1	.1	.1	•	.0	49	•	.5
5	.0	.0	•	•	.2	.5	.4	.2	.0	.0	122	.0	1.4
4	.0	.0	•	•	.4	.7	.6	.1	.0	.0	160	.0	1.8
3	.0	.0	.0	•	.2	.7	.5	.1	.0	.0	141	.0	1.6
2	.0	.0	•	.2	.6	1.6	1.2	•	•	.0	331	.0	3.7
1	.0	.0	.0	.1	.9	2.2	.9	•	.0	.0	369	•	4.1
0	.0	.0	•	.4	2.8	5.1	1.6	•	.0	.0	893	•	10.0
-1	.0	.0	.0	.5	3.5	4.9	1.1	.0	.0	.0	892	•	9.9
-2	.0	.0	.1	1.0	4.3	5.8	1.0	.0	.0	.0	1264	•	14.1
-3	.0	.0	•	1.4	5.7	4.5	.4	.0	.0	.0	1075	.0	12.0
-4	.0	•	.1	2.3	6.7	3.7	.2	.0	.0	.0	1169	•	13.0
-5	.0	•	.3	2.1	5.2	2.2	.2	.0	.0	.0	896	.0	10.0
-6	.0	.0	.2	1.9	3.1	1.1	.1	.0	.0	.0	564	.0	6.3
-7/-8	.0	•	.5	2.6	2.8	.9	.0	.0	.0	.0	606	.0	6.8
-9/-10	.0	•	.4	1.1	.6	.2	•	.0	.0	.0	209	.0	2.3
-11/-13	.0	.1	.3	.4	.1	•	.0	.0	.0	.0	72	.0	.8
-14/-16	•	•	.1	•	•	.0	.0	.0	.0	.0	12	.0	.1
-17/-19	•	.0	•	.0	.0	.0	.0	.0	.0	.0	3	.0	•
TOTAL	2		187		3526		772		11			10	8937
		13		1267		3059		78		2	8947		
PCT	•	.1	2.1	14.2	39.4	34.5	8.6	.9	.1	•	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	2.9	.2	.0	.0	.0	3.9
1-2	.9	11.4	3.2	.0	.0	.0	15.5
3-4	.1	4.9	7.5	.4	.0	.0	12.9
5-6	•	1.0	3.2	.2	•	.0	4.5
7	.0	.1	1.5	.3	.0	.0	2.2
8-9	.0	.1	.3	.2	.0	.0	.5
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	•	•	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	20.5	16.0	1.2	•	.0	39.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.3	•	.0	.0	.0	1.6
1-2	.2	4.8	1.0	.0	.0	.0	6.0
3-4	•	1.9	2.8	.0	.0	.0	4.7
5-6	.0	.4	1.3	.1	.0	.0	1.8
7	.0	•	.4	.1	.0	.0	.6
8-9	.0	.0	•	•	.0	.0	.1
10-11	.0	.0	.0	•	.0	.0	•
12	.0	.0	.0	•	.0	.0	•
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	8.5	5.5	.4	.0	.0	14.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	.0	.0	.0	.0	1.1
1-2	.2	1.7	.3	.0	.0	.0	2.0
3-4	•	.7	.4	.0	.0	.0	.4
5-6	.0	.2	.5	.0	.0	.0	.6
7	.0	•	•	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.0	1.2	•	.0	.0	4.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.3	.0	.0	.0	.0	.7
1-2	.2	1.2	.3	.0	.0	.0	1.6
3-4	.0	.3	.3	.0	.0	.0	.6
5-6	.0	.1	.2	•	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	1.9	.9	•	.0	.0	3.3

PERIOD: (OVER-ALL) 1963-1979 DECEMBER AREA 0005 PUERTO VALLARTA

TABLE 18 (CONT) 20.5N 107.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.C	.0	.4
1-2	.2	.5	.2	.0	.C	.0	.8
3-4	.0	.3	.1	.0	.C	.0	.3
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.1	*	.0	.0	.1
8-9	.0	.C	.0	.0	.C	.0	.0
10-11	.0	.C	.0	.0	.C	.0	.0
12	.0	.C	.0	.0	.C	.0	.0
13-16	.0	.C	.0	.0	.C	.C	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.C	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.C	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.2	1.1	.4	*	.C	.0	1.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.C	.0	.5
1-2	.1	.5	.1	.0	.0	.0	.6
3-4	.0	.1	.1	.0	.C	.C	.2
5-6	.0	.0	*	.0	.C	.0	*
7	.0	.0	.0	*	.C	.C	*
8-9	.0	.0	.0	.C	.C	.C	.0
10-11	.0	.0	.C	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.C	.C	.C	.C	.C
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.0	.C	.C	.C	.C	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.C	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.C
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.0	.0	.0	.C	.0	.C
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.3	.8	.2	*	.C	.0	1.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.7	.0	.0	.C	.0	1.1
1-2	.2	2.1	.4	.0	.C	.0	2.6
3-4	.0	.5	.4	*	.C	.0	1.0
5-6	.0	.0	.3	.0	.C	.0	.3
7	.0	*	*	.0	.0	.0	.1
8-9	.0	.C	.0	.0	.C	.0	.0
10-11	.0	.0	.0	.0	.C	.0	.0
12	.0	.0	.0	.0	.C	.0	.0
13-16	.0	.0	.0	.0	.C	.0	.0
17-19	.0	.0	.0	.0	.C	.0	.0
20-22	.0	.0	.0	.0	.C	.0	.0
23-25	.0	.C	.0	.0	.C	.0	.0
26-32	.0	.0	.0	.0	.C	.0	.0
33-40	.0	.0	.0	.0	.C	.0	.0
41-48	.0	.0	.0	.0	.C	.0	.0
49-60	.0	.0	.0	.0	.C	.0	.0
61-70	.0	.0	.0	.0	.C	.0	.0
71-86	.0	.C	.0	.0	.C	.0	.0
87+	.0	.0	.0	.0	.C	.0	.0
TOT PCT	.6	3.3	1.1	*	.C	.0	5.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	2.7	.1	.0	.C	.0	3.2	
1-2	.5	9.1	2.7	.0	.0	.0	12.3	
3-4	.0	3.0	3.5	.2	.0	.C	6.7	
5-6	.1	.5	1.5	.2	*	.0	2.3	
7	.0	.1	.4	.1	.0	.0	.6	
8-9	.0	.1	.2	.1	.C	.0	.3	
10-11	.0	.0	*	*	.C	.0	*	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.C	.C	.C	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.C	.0	.0	
23-25	.0	.1	.0	.0	.C	.0	.0	
26-32	.0	.0	.0	.0	.C	.0	.0	
33-40	.0	.0	.0	.0	.C	.0	.0	
41-48	.0	.0	.0	.0	.C	.0	.0	
49-60	.0	.0	.0	.C	.C	.0	.0	
61-70	.0	.0	.0	.0	.C	.0	.0	
71-86	.0	.0	.0	.0	.C	.0	.0	
87+	.0	.0	.0	.0	.C	.0	.0	
TOT PCT	1.1	15.4	8.4	.5	*	.0	25.5	96.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48-	PCT	TOT OBS
<1	7.0	9.4	.3	.0	.0	.0	16.7	
1-2	2.7	30.9	8.0	.C	.0	.C	41.5	
3-4	.2	11.2	15.0	.6	.0	.0	26.9	
5-6	.2	2.1	7.0	.5	.1	.0	9.9	
7	.0	.4	2.5	.7	.0	.0	3.6	
8-9	.0	.1	.5	.3	.0	.0	.9	
10-11	.0	.0	.1	.1	.0	.0	.2	
12	.0	.0	.0	*	.0	.0	.1	
13-16	.0	.0	*	*	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								233*
TOT PCT	10.0	54.2	33.4	2.3	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1979 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.4	20.0	19.8	8.6	2.6	.7	.2	.1	*	.1	.C	.0	.0	.0	.0	.0	.C	.0	.0	4103	3
6-7	.2	2.4	7.7	5.7	2.5	.8	.4	.1	.1	*	.0	*	.0	.0	.0	.0	.0	.0	.0	1415	4
8-9	*	.5	2.1	2.1	1.2	.7	.3	.1	*	.1	.0	.0	.0	.0	.0	.C	.0	.C	.0	511	5
10-11	.0	.7	.7	.5	.5	.2	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	206	5
12-13	.0	.0	.5	.4	.3	.1	.1	*	.0	*	.C	.0	.0	.0	.0	.0	.0	.0	.0	110	6
>13	.0	.0	.0	.3	.2	.1	*	*	.1	.0	.0	.0	.0	.0	.0	.0	.C	.0	.0	48	7
INDET	5.6	1.6	1.9	.8	.5	.1	*	*	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	751	2
TOTAL	797	1801	2342	1315	557	194	82	27	17	11	2	1	0	0	0	0	0	0	0	7146	3
PCT	11.2	25.2	32.8	18.4	7.8	2.7	1.1	.4	.2	.2	*	*	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

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20.5N 107.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NC SIG WEA
N	.6	.3	.3	.0	.0	.0	*	1.3	.6	1.8	.1	*	.6	*		95.6
NE	1.6	.8	.8	.0	.0	.0	.0	3.1	1.5	2.7	.1	*	.7	*		92.0
E	3.5	1.4	1.1	.0	.0	.0	*	5.7	2.6	2.6	.2	.0	.7	*		88.3
SE	3.6	1.6	.9	.0	.0	.0	.0	5.9	2.8	2.4	.3	*	1.6	.1		86.9
S	2.4	1.2	.9	.0	.0	.0	.0	4.5	2.7	2.5	.2	*	1.1	*		89.2
SW	2.0	.7	.7	.0	.0	.0	.0	3.2	1.6	1.9	.3	*	1.3	*		91.7
W	.6	.3	.2	.0	.0	.0	.0	1.1	.5	1.4	.2	*	1.1	*		95.5
NW	.4	.2	.2	.0	.0	.0	*	.8	.5	1.3	.2	*	.7	*		96.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.3	.1	.2	.0	.0	.0	.0	.6	.4	2.6	.4	*	2.4	*		93.5
TOT PCT	1.0	.5	.4	.0	.0	.0	*	1.9	.9	1.7	.2	*	.9	*		94.3
TOT OBS:131987																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NC SIG WEA
00&03	.7	.2	.3	.0	.0	.0	.0	1.4	.7	.2	.2	*	1.0	*		96.5
06&09	1.0	.4	.4	.0	.0	.0	*	1.7	.9	3.8	.2	*	.8	.1		92.7
12&15	1.5	.7	.6	.0	.0	.0	*	2.8	1.2	3.1	.3	*	.9	.1		91.8
18&21	1.0	.5	.4	.0	.0	.0	*	1.8	1.0	.2	.2	*	1.0	*		95.7
TOT PCT	1.0	.5	.4	.0	.0	.0	*	1.9	.9	1.8	.2	*	.9	*		94.3
TOT OBS:134721																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.8	12.0	8.0	.5	*	*		22.3	9.4	21.7	20.9	20.7	20.4	22.3	22.1	24.6	21.2
NE	.7	3.9	1.7	.1	*	*		6.4	8.4	6.9	6.7	5.6	4.9	6.9	8.0	7.8	6.7
E	.6	2.4	.8	.2	*	*		4.0	8.9	2.8	3.0	3.7	2.5	4.5	4.1	5.1	3.8
SE	.6	2.5	1.5	.5	.1	*		5.1	9.2	4.8	5.5	4.6	4.2	4.6	5.0	6.2	4.9
S	.6	2.0	.8	.2	*	*		3.6	8.1	4.3	4.4	3.5	4.0	3.0	3.0	3.6	4.5
SW	.6	2.3	.5	.1	*	*		3.5	7.4	4.4	3.8	3.1	4.4	2.8	4.0	3.4	4.3
W	1.6	6.9	3.7	.2	*	*		10.4	8.5	16.3	14.6	15.2	17.4	13.2	10.1	12.7	15.0
NW	2.4	19.2	12.4	.6	*	*		34.7	9.9	36.8	36.1	36.6	37.7	34.6	34.7	31.1	34.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.0							6.0	.0	4.1	5.0	6.9	3.5	8.2	4.9	5.6	3.3
TOT OBS							142549		9.1	33008	2497	31307	1920	29901	3923	37836	2163
TOT PCT	14.9	53.1	29.4	2.3	.2	*		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.4	13.4	2.4	.1	*		22.3	9.4	21.6	20.7	22.3	24.5
NE	2.5	3.4	.4	*	*		6.4	8.4	5.1	5.6	7.1	7.7
E	1.8	1.8	.3	.1	*		4.0	8.4	2.8	3.7	4.5	5.0
SE	1.8	2.2	.6	.2	*		5.1	9.2	4.8	4.7	4.6	6.2
S	1.6	1.5	.4	.1	*		3.6	8.1	4.3	3.5	3.0	3.6
SW	1.8	1.5	.1	*	*		3.5	7.4	4.3	3.2	2.9	3.4
W	5.6	7.8	.9	*	*		14.4	8.5	16.2	15.4	13.3	12.8
NW	9.7	21.6	3.3	.1	*		34.7	9.9	36.8	36.6	34.6	31.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.0						6.0	.0	4.1	6.7	7.8	5.4
TOT OBS						142549		9.1	35505	33227	33824	39993
TOT PCT	37.2	53.2	8.7	.7	.1		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	4.1	8.0	51.0	33.7	2.9	.3	*	9.8	100.0	35505
06609	6.7	8.0	53.8	29.0	2.1	.2	*	9.1	100.0	33227
12615	7.8	9.1	54.5	26.5	1.9	.2	*	8.6	100.0	33824
18621	5.4	10.6	53.1	28.3	2.3	.2	*	8.9	100.0	39993
TOT								9.1		142549
PCT	6.0	9.0	53.1	29.4	2.3	.2	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	10.7	4.9	5.3	1.7		3.3
NE	2.4	1.2	1.7	.8		3.8
E	1.1	.8	1.3	.8		4.2
SE	1.0	1.0	1.9	1.2		4.3
S	.9	.8	1.7	.7		4.1
SW	1.2	.8	1.0	.4		3.8
W	6.3	3.2	3.6	1.2		3.2
NW	16.4	7.7	8.1	2.4		3.1
VAR	.0	.0	.0	.0		.0
CALM	2.9	1.3	1.3	.4		2.9
TOT OBS					107947	3.4
TOT PCT	43.0	21.8	25.5	9.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,MM >4/8) AND OCCURRENCE OF MM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	MM <5/8 ANY HGT	TOTAL OBS
N	.1	*	.1	.6	1.4	.7	.3	.1	.1	.1	19.1	
NE	*	*	*	.3	.6	.3	.1	*	*	*	4.8	
E	*	*	.1	.3	.5	.2	.1	*	*	*	2.8	
SE	.1	*	.1	.4	.7	.2	.1	*	*	*	3.4	
S	*	*	.1	.3	.4	.2	.1	*	*	*	2.6	
SW	*	*	*	.2	.3	.1	.1	*	*	*	2.6	
W	*	*	.1	.5	1.1	.5	.2	.1	*	.1	11.5	
NW	.1	*	.2	1.1	2.3	1.2	.5	.2	.1	.2	28.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	*	*	*	.1	.4	.2	.1	*	*	*	5.1	
TOT PCT	.4	.2	.7	3.9	7.5	3.6	1.7	.5	.3	.5	80.7	107947
												100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (MM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) : OR >10	: OR >5	: OR >2	: OR >1	: OR >1/2	: OR >1/4	: OR >5070	: OR >0
: OR >6500	.7	.8	.8	.8	.8	.8	.8	.8
: OR >5000	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
: OR >3500	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
: OR >2000	6.0	6.4	6.5	6.5	6.5	6.5	6.5	6.5
: OR >1000	12.6	13.8	14.0	14.0	14.0	14.0	14.0	14.0
: OR >600	15.7	17.5	17.8	17.9	17.9	17.9	17.9	17.9
: OR >300	16.2	18.2	18.5	18.6	18.6	18.6	18.6	18.6
: OR >150	16.3	18.3	18.6	18.7	18.7	18.8	18.8	18.8
: OR > 0	16.5	18.6	19.0	19.1	19.1	19.2	19.2	19.2

TOTAL NUMBER OF OBS: 109769

PCT FREQ MM <5/8: 80.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
26.3	17.6	16.0	12.3	8.3	5.1	5.2	4.1	4.8	.3 115872

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	*	*	*	*	*	*	*	*	.0	.0	*	
<1/2	NO PCP	*	*	*	*	*	*	*	*	.0	*	*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.1	
	PCP	*	*	*	*	*	*	*	*	.0	*	*	
1/2<1	NO PCP	*	*	*	*	*	*	*	*	.0	*	*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.1	
	PCP	*	*	*	*	*	*	*	*	.0	*	.1	
1<2	NO PCP	*	*	*	*	*	*	*	*	.0	*	*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.1	
	PCP	*	*	*	.1	*	*	*	*	.0	*	.2	
2<5	NO PCP	*	*	*	*	*	*	*	.1	.0	*	.3	
	TOT %	.1	*	.1	.1	.1	*	.1	.1	.0	*	.6	
	PCP	.1	.1	.1	.2	.1	*	.1	.1	.0	*	.7	
5<10	NO PCP	.8	.3	.3	.5	.3	.2	.4	1.5	.0	.3	5.1	
	TOT %	.9	.4	.4	.7	.4	.3	.5	1.6	.0	.3	5.8	
	PCP	.1	.1	.1	.2	.1	*	.1	.1	.0	*	.8	
10+	NO PCP	21.3	5.7	3.4	4.2	3.1	3.0	13.4	33.0	.0	5.4	92.6	
	TOT %	21.4	5.8	3.5	4.3	3.2	3.1	13.5	33.1	.0	5.5	93.4	
	TOT OBS												131581
	TOT PCT	22.4	6.3	4.0	5.2	3.6	3.4	14.5	34.8	.0	5.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	*	.0	*	*	.0	*	*	.0	.0	*	*	
<1/2	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	*	*	*	*	*	*	*	.0		*	
	22+	.0	*	*	*	*	*	*	*	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.1	
	0-3	.0	*	*	*	.0	*	*	*	.0	*	*	
1/2<1	4-10	*	*	*	*	*	*	*	*	.0		*	
	11-21	*	*	*	*	*	*	*	*	.0		*	
	22+	*	*	*	*	*	*	*	*	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.1	
	0-3	*	.0	*	*	*	.0	.0	*	.0	*	*	
1<2	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	*	*	*	*	*	*	*	.0		.1	
	22+	*	*	*	*	*	*	*	*	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.2	
	0-3	*	*	*	*	*	*	*	*	.0	*	.1	
2<5	4-10	*	*	*	*	*	*	*	.1	.0		.3	
	11-21	*	*	*	*	*	*	*	.1	.0		.2	
	22+	*	*	*	.1	*	*	*	*	.0		.2	
	TOT %	.1	.1	.1	.1	.1	*	.1	.2	.0	*	.6	
	0-3	.1	*	*	*	*	*	.1	.1	.0	.3	.6	
5<10	4-10	.6	.2	.2	.2	.2	.2	.5	.8	.0		2.6	
	11-21	.3	.1	.1	.2	.1	.1	.3	.6	.0		1.8	
	22+	*	*	.1	.2	.1	*	*	*	.0		.5	
	TOT %	.9	.4	.4	.7	.4	.3	.9	1.6	.0	.3	5.7	
	0-3	1.6	.6	.6	.6	.5	.5	1.5	2.3	.0	5.6	13.8	
10+	4-10	11.5	3.6	2.1	2.2	1.8	2.1	8.4	18.3	.0		50.1	
	11-21	7.7	1.5	.7	1.2	.7	.4	3.5	11.8	.0		27.5	
	22+	.5	.1	.1	.3	.1	*	.1	.6	.0		1.9	
	TOT %	21.4	5.8	3.4	4.3	3.2	3.1	13.5	32.9	.0	5.6	93.1	
	TOT OBS												137725
	TOT PCT	22.4	6.3	4.0	5.2	3.6	3.4	14.5	34.8	.0	5.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,MM >4/8) AND OCCURRENCE OF MM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	MM <5/8 ANY HGT	TOTAL OBS
00E03	.3	.1	.6	3.2	6.5	3.2	1.5	.5	.4	.5	16.6	83.4	29660
06E09	.5	.1	.6	3.2	6.1	2.9	1.2	.3	.3	.4	15.9	84.1	26833
12E15	.6	.2	.9	5.0	9.2	3.9	1.7	.4	.2	.5	22.6	77.4	26085
18E21	.3	.2	.7	3.7	7.2	3.7	1.9	.7	.3	.4	19.2	80.8	31859
TOT													114437
PCT	.4	.2	.7	3.8	7.2	3.4	1.6	.5	.3	.4	18.5	81.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.1	.1	.2	.6	4.6	94.4	34942
06E09	.1	.1	.1	.8	6.1	92.8	33290
12E15	.2	.1	.2	1.1	7.6	90.8	33410
18E21	.2	.1	.2	.7	4.8	94.1	38850
TOT							140492
PCT	.1	.1	.2	.8	5.7	93.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,MM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	MM <5/8 AND 5+	TOTAL OBS
00E03	.3	1.0	4.6	12.8	82.6	28945
06E09	.6	1.4	5.1	11.7	83.2	25683
12E15	.6	1.9	7.6	16.2	76.3	25032
18E21	.3	1.3	5.4	14.6	80.0	30609
TOT						109769
PCT	.4	1.4	5.6	13.8	80.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	*	*	.0	.0	.0		*
95/99	.0	*	*	*	*	*	*	*		.1
90/94	.0	*	*	.1	.5	.3	.1	*		.9
85/89	*	*	*	.2	1.6	4.5	1.4	.3		8.0
80/84	.0	*	*	.4	3.2	12.3	12.5	2.4		30.8
75/79	.0	*	.1	.7	3.0	11.0	9.5	3.7		27.9
70/74	.0	*	.1	.5	3.5	7.9	8.6	3.5		24.4
65/69	.0	*	*	.2	.8	2.1	3.0	1.3		7.3
60/64	.0	.0	*	*	.1	.1	.2	.1		.5
55/59	.0	.0	.0	.0	*	*	*	*		*
TOTAL									110514	100.0
PCT	*	*	.2	2.1	12.7	38.2	35.4	11.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	.0	.0	.0	*	.0	.0
*	*	*	*	*	*	*	*	.0	*
.1	*	.1	.1	.1	*	.1	.3	.0	.1
1.2	.4	.5	.9	.5	.4	1.1	2.4	.0	.7
5.2	1.7	1.8	2.8	1.9	1.4	4.4	9.1	.0	2.5
7.0	1.9	1.0	1.0	.9	.9	3.9	9.8	.0	1.5
7.2	1.8	.5	.3	.3	.5	3.3	9.5	.0	1.0
1.9	.4	.1	.1	.1	.1	1.2	3.2	.0	.2
.1	*	*	*	*	*	.1	.3	.0	*
*	*	.0	.0	.0	.0	*	*	.0	.0
22.8	6.3	4.1	5.2	3.6	3.3	14.1	34.7	.0	5.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	100	89	85	79	73	70	55	78.8	35773
06E09	99	83	81	76	71	68	54	76.3	33758
12E15	95	82	80	76	70	67	54	75.7	34045
18E21	100	88	85	79	73	69	59	79.2	40821
TOT	100	87	84	77	71	68	54	77.6	144397

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	3.2	17.1	44.9	28.2	6.6	76	28396
06E09	.0	1.1	6.8	32.0	45.1	15.0	81	27163
12E15	*	1.1	6.3	29.2	45.3	18.1	82	26591
18E21	.0	3.8	19.3	45.2	25.2	6.5	76	30710
TOT	1	2566	14012	42991	40402	12088	79	112860

ANNUAL

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	NO FOG
23/25	.0	.0	.0	.0	.0	.0	*	*	.0	*	*	5	.0	*
20/22	.0	.0	.0	.0	.0	.0	*	*	*	*	*	20	.0	*
17/19	.0	.0	.0	.0	.0	*	*	*	*	*	*	45	.0	*
14/16	.0	.0	.0	.0	*	*	*	*	*	*	*	191	.0	.2
11/13	.0	.0	.0	*	*	*	.1	.1	.1	.1	*	526	*	.4
9/10	.0	.0	*	*	*	.1	.1	.2	.1	.1	.1	869	*	.7
7/8	.0	.0	*	*	.1	.2	.3	.4	.2	.2	.1	1771	*	1.4
6	.0	.0	.0	*	.1	.1	.3	.2	.1	.1	*	1400	*	1.1
5	.0	.0	*	*	.1	.3	.5	.5	.5	.2	*	2600	*	2.1
4	.0	.0	*	*	.2	.5	.7	.7	.6	.2	*	3646	*	2.9
3	.0	.0	*	.1	.2	.6	.7	.7	.7	.1	*	3819	*	3.1
2	.0	*	*	.1	.5	1.1	1.2	1.6	1.0	.1	*	7018	*	5.7
1	.0	.0	*	.1	.5	1.3	1.3	1.7	1.0	.1	*	7323	*	5.9
0	.0	*	*	.3	1.3	2.5	2.6	3.7	1.2	*	*	14422	*	11.7
-1	.0	*	*	.3	1.4	2.9	2.9	3.5	.8	*	.0	13244	*	10.8
-2	.0	*	*	.5	2.2	3.1	3.4	4.2	.9	*	*	16938	*	13.8
-3	.0	.0	*	.5	2.0	2.9	2.8	2.8	.7	*	.0	13055	*	10.7
-4	.0	*	.1	.8	2.1	2.5	2.8	2.1	.1	*	.0	12689	*	10.4
-5	.0	*	.1	.7	1.8	1.8	2.1	1.1	*	*	.0	9212	*	7.6
-6	.0	*	.1	.5	1.1	1.2	1.2	.9	*	.0	.0	5361	*	4.4
-7/-8	.0	*	.1	.7	1.3	1.3	1.1	.3	*	*	.0	5649	*	4.7
-9/-10	.0	*	.1	.3	.9	.9	.2	.1	*	.0	.0	1896	*	1.6
-11/-13	*	*	*	.1	.2	.1	*	*	*	.0	.0	620	*	.5
-14/-16	*	*	*	*	*	*	*	*	.0	.0	.0	123	.0	.1
-17/-19	.0	*	*	*	*	*	*	.0	.0	.0	.0	26	*	*
-20/-22	.0	*	.0	*	*	*	.0	.0	.0	.0	.0	7	.0	*
-23/-25	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL												22484		
PCT	*	*	.6	5.0	15.5	21.8	23.7	24.4	7.4	1.3	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.9	.1	.0	.0	.0	2.8
1-2	.6	7.0	1.9	*	*	.0	9.5
3-4	.1	3.2	4.0	.1	.0	.0	7.4
5-6	*	.5	2.0	.1	*	.0	2.7
7	.0	.1	.7	.1	*	.0	.9
8-9	.0	*	.2	.1	*	.0	.3
10-11	.0	.0	*	*	*	.0	.1
12	.0	.0	*	*	*	.0	*
13-16	.0	.0	*	*	*	.0	*
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	*	.0	*
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	12.8	8.8	.5	.1	.0	23.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	*	.0	.0	.0	1.0
1-2	.2	2.1	.5	*	.0	.0	2.8
3-4	*	.6	.8	*	.0	.0	1.7
5-6	*	.2	.4	*	.0	.0	.6
7	.0	*	.1	*	*	.0	.2
8-9	.0	*	*	*	*	.0	*
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	.0	*	*	.0	*
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	*	*	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	*	.0	*
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.6	1.8	.1	*	.0	6.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	*	.0	.0	.0	.8
1-2	.7	1.3	.2	.0	.0	.0	1.6
3-4	*	.4	.3	*	.0	.0	.8
5-6	*	.1	.2	.1	.0	.0	.3
7	.0	*	.1	.1	*	.0	.1
8-9	.0	.0	*	*	*	.0	.1
10-11	.0	.0	*	*	*	*	*
12	.0	.0	*	*	.0	.0	*
13-16	.0	.0	.0	*	*	*	*
17-19	.0	.0	.0	*	*	*	*
20-22	.0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	*	*	*
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.3	.8	.2	*	*	3.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	*	.0	.0	.0	.7
1-2	.2	1.2	.3	.0	.0	.0	1.7
3-4	*	.5	.6	.1	.0	.0	1.2
5-6	*	.1	.5	.1	*	.0	.7
7	.0	*	.1	.2	*	.0	.3
8-9	.0	*	.1	.1	*	.0	.2
10-11	.0	.0	*	*	*	*	.1
12	.0	.0	*	*	*	.0	*
13-16	.0	.0	*	*	*	*	.1
17-19	.0	.0	.0	*	*	*	*
20-22	.0	.0	.0	.0	*	.0	*
23-25	.0	.0	.0	*	*	.0	*
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.2	1.6	.5	.1	*	5.0

ANNUAL

PERIOD: (OVER-ALL) 1963-1979 AREA 0005 PUERTO VALLARTA

TABLE 18 (CONT) 20.5N 107.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	*	.0	.0	.0	.6
1-2	.2	.9	.1	.0	.0	.0	1.2
3-4	*	.5	.3	*	.0	.0	.8
5-6	*	.1	.3	.1	*	.0	.4
7	.0	*	.1	.1	*	.0	.2
8-9	.0	*	.1	*	*	.0	.1
10-11	.0	.0	*	.1	*	.0	.1
12	.0	.0	*	*	*	.0	*
13-16	.0	.0	.0	*	*	.0	*
17-19	.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	*	*	*	*
23-25	.0	.0	.0	.0	*	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.9	.9	.3	*	*	3.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	*	.0	.0	.0	.7
1-2	.2	1.1	.2	.0	.0	.0	1.4
3-4	*	.4	.2	*	.0	*	.6
5-6	*	.1	.1	*	.0	.0	.2
7	.0	*	.1	*	.0	.0	.1
8-9	.0	*	*	*	.0	.0	*
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	.0	*	.0	*	*
13-16	.0	.0	.0	*	*	*	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.1	.5	.1	*	*	3.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.3	.1	.0	.0	.0	1.9
1-2	.4	4.6	1.0	.0	.0	.0	6.1
3-4	.1	1.9	1.8	*	.0	.0	3.8
5-6	*	.4	.9	.1	.0	.0	1.4
7	.0	.1	.2	.1	*	.0	.4
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	*	*	*	.0	*
12	.0	.0	.0	*	.0	*	*
13-16	.0	.0	*	*	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	8.3	4.0	.2	*	*	13.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.8	2.5	.1	.0	.0	.0	3.5	
1-2	.9	10.5	3.2	*	*	.0	14.6	
3-4	.2	5.2	6.0	.2	.0	.0	11.5	
5-6	*	1.0	3.1	.2	*	.0	4.4	
7	.0	.1	.9	.2	*	.0	1.2	
8-9	.0	*	.2	.1	.0	.0	.3	
10-11	.0	.0	*	*	*	.0	.1	
12	.0	.0	*	*	.0	*	*	
13-16	.0	.0	*	*	*	.0	*	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	*	.0	.0	*	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	19.5	13.6	.7	*	.0	35.7	99.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.1	8.4	.4	.0	.0	.0	17.9	
1-2	3.1	20.5	7.3	*	*	.0	30.8	
3-4	.4	12.6	13.8	.4	.0	*	27.5	
5-6	.1	2.4	7.2	.7	*	.0	10.5	
7	.0	.4	2.2	.7	*	.0	3.3	
8-9	.0	.1	.5	.4	*	.0	1.1	
10-11	.0	.0	.1	.2	.1	*	.4	
12	.0	.0	*	*	*	*	.1	
13-16	.0	.0	*	.1	.1	*	.2	
17-19	.0	.0	.0	*	*	*	.1	
20-22	.0	.0	.0	*	*	*	*	
23-25	.0	.0	.0	*	*	.0	*	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	*	*	*	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								29987
TOT PCT	13.0	52.5	31.6	2.5	.4	*	100.0	

PERIOD: (OVER-ALL) 1949-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.0	18.5	18.4	7.0	2.1	.7	.2	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	50599	3
6-7	.1	2.5	7.5	6.6	2.0	1.1	.5	.2	.2	*	*	*	*	*	.0	.0	.0	.0	.0	21111	5
8-9	.1	.8	2.4	2.6	1.6	.8	.4	.2	.2	*	*	*	*	*	*	.0	.0	.0	.0	9031	5
10-11	.0	.7	.9	.9	.6	.4	.2	.1	.1	*	*	*	*	*	*	.0	.0	.0	.0	3819	6
12-13	.0	.0	.7	.5	.3	.1	.1	*	*	*	*	*	*	*	*	.0	.0	.0	.0	1761	6
>13	.0	*	*	.4	.3	.1	.1	*	*	*	*	*	*	*	*	.0	.0	.0	.0	902	7
INDET	5.2	1.7	1.8	1.0	.4	.2	.1	*	*	*	*	*	*	*	*	.0	.0	.0	.0	10211	2
TOTAL																				97634	4
PCT	10.4	24.2	31.7	19.0	8.0	3.3	1.7	.6	.7	.2	.1	*	*	*	*	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1952-1979
(OVER-ALL) 1859-1979

AREA 0005 PUERTO VALLARTA
20.5N 107.4W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.0	6	*
95/96	.0	.0	.0	.0	.0	*	*	*	*	*	.0	.0	15	*
93/94	*	.0	.0	.0	*	*	.1	.1	.1	.1	*	*	50	*
91/92	.0	.0	.0	.0	.0	.1	.2	.5	.3	.3	.1	*	179	.1
89/90	*	*	.0	.0	*	.3	1.0	2.0	2.2	1.4	.3	*	931	.7
87/88	.1	*	*	.1	.4	1.2	5.5	12.5	10.8	7.0	1.4	.4	4509	3.4
85/86	.4	.2	.1	.2	1.5	6.5	19.7	29.1	28.0	23.9	8.8	1.8	13726	10.3
83/84	1.9	.9	.5	.9	4.7	13.7	25.2	26.4	29.2	32.9	23.6	5.7	18756	14.1
81/82	6.6	4.0	2.1	3.3	11.9	20.1	22.5	18.5	19.6	23.9	35.3	17.2	20610	15.5
79/80	12.1	7.8	5.2	7.6	16.4	15.9	11.0	6.9	5.7	6.9	18.5	23.7	14967	11.3
77/78	19.1	14.5	11.0	15.5	18.2	11.9	6.8	2.2	2.2	2.3	7.2	24.4	14645	11.0
75/76	22.5	21.1	20.6	22.7	16.5	9.8	3.7	.9	.9	.8	2.9	15.7	14951	11.3
73/74	19.3	21.5	23.3	21.7	12.1	8.6	2.3	.3	.6	.3	1.1	6.9	12812	9.7
71/72	10.8	16.3	18.7	13.8	7.6	5.3	.9	.2	.2	.2	.5	2.4	8349	6.3
69/70	4.6	8.4	10.6	7.0	4.9	3.5	.5	*	.1	*	.2	1.0	4532	3.4
67/68	1.6	3.5	4.4	1.6	2.9	1.7	.3	*	*	.0	.1	.4	2036	1.5
65/66	.5	1.1	2.0	1.7	1.4	.9	.2	*	.0	.0	*	.2	889	.7
63/64	.3	.5	1.0	1.1	1.0	.7	.1	.0	.0	.0	*	.1	537	.4
61/62	.1	.1	.2	.3	.3	.1	*	.0	.0	.0	.0	*	137	.1
59/60	.0	.1	.1	.1	.2	*	.0	.0	.0	.0	.0	.0	52	*
57/58	.0	*	.1	*	*	*	.0	.0	.0	.0	.0	.0	20	*
55/56	.0	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	6	*
53/54	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	1	*
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	10241	9850	11367	11026	12278	11377	11714	11922	11566	11393	10662	9808	132704	100.0
MEAN	75.6	74.3	73.5	74.3	76.9	78.6	82.2	84.0	83.8	83.4	81.5	78.3	78.8	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1013	1014	1015	1013	1014	1014	1016	1013	1014	10380
FEB	1013	1014	1015	1013	1013	1014	1015	1014	1014	10134
MAR	1012	1013	1014	1012	1013	1013	1015	1013	1013	11539
APR	1012	1012	1013	1011	1012	1013	1014	1012	1013	11430
MAY	1011	1011	1012	1010	1011	1012	1013	1011	1012	12644
JUN	1010	1010	1012	1010	1011	1011	1012	1010	1011	11754
JUL	1010	1011	1013	1010	1012	1012	1013	1011	1012	12004
AUG	1010	1011	1012	1010	1011	1011	1012	1010	1011	11972
SEP	1009	1009	1011	1008	1010	1010	1011	1009	1010	12067
OCT	1010	1011	1012	1010	1011	1011	1012	1010	1011	11722
NOV	1012	1013	1013	1012	1013	1013	1014	1012	1013	10779
DEC	1013	1014	1014	1012	1013	1014	1015	1013	1014	9992
ANN	1011	1012	1013	1011	1012	1012	1014	1012	1012	136417
OBS	31490	1513	30423	1981	29140	2930	36346	2186		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	992	1007	1010	1013	1014	1016	1018	1020	1026
FEB	994	1007	1010	1013	1014	1016	1018	1020	1026
MAR	996	1007	1010	1012	1013	1015	1017	1019	1027
APR	994	1007	1009	1011	1013	1014	1016	1018	1024
MAY	999	1006	1008	1010	1012	1013	1015	1017	1022
JUN	996	1004	1007	1010	1011	1013	1015	1016	1024
JUL	995	1004	1008	1010	1012	1013	1015	1017	1024
AUG	992	1002	1007	1010	1012	1013	1015	1016	1020
SEP	990	1001	1005	1008	1010	1012	1014	1015	1026
OCT	992	1003	1007	1010	1011	1013	1015	1017	1024
NOV	995	1007	1009	1012	1013	1014	1017	1018	1025
DEC	992	1008	1010	1012	1014	1015	1018	1020	1025

USCOMM-NOAA-ASHEVILLE 2/81/100

Volume	Area	Name	Approximate Central Location	
1	1	Central Baja West	26.6 N	115.7 W
	2	Southwest Baja	22.6 N	112.1 W
	3	Gulf Of California	26.0 N	110.2 W
	4	Mazatlan	22.8 N	107.4 W
	5	Puerto Vallarta	20.0 N	107.8 W
2	6	Manzanillo SE	16.9 N	103.2 W
	7	Acapulco South	14.7 N	99.1 W
	8	Gulf Of Tehuantepec	14.0 N	95.0 W
	9	Guatemala SW Coast	12.3 N	91.4 W
	10	Nicaragua SW Coast	9.8 N	87.0 W
	11	Punta Burica	7.5 N	83.5 W