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SUMMARY OF
SYNOPTIC METEOROLOGICAL OBSERVATIONS
(SSMO).

SOUTH AMERICA AND SELECTED ISLAND COASTAL MARINE AREAS
ATLANTIC ISLANDS

VOLUME 3.

- AREA 17 - TIERRA DEL FUEGO,
- AREA 18 - FAULKLAND ISLANDS,
- AREA 19 - SOUTH GEORGIA,
- AREA 20 - TRISTAN DA CUNHA GROUP,
- AREA 21 - TRINDADE,
- AREA 22 - ST. HELENA,
- AREA 23 - ASCENSION,
- AREA 24 - ST. PETER AND PAUL ROCKS.



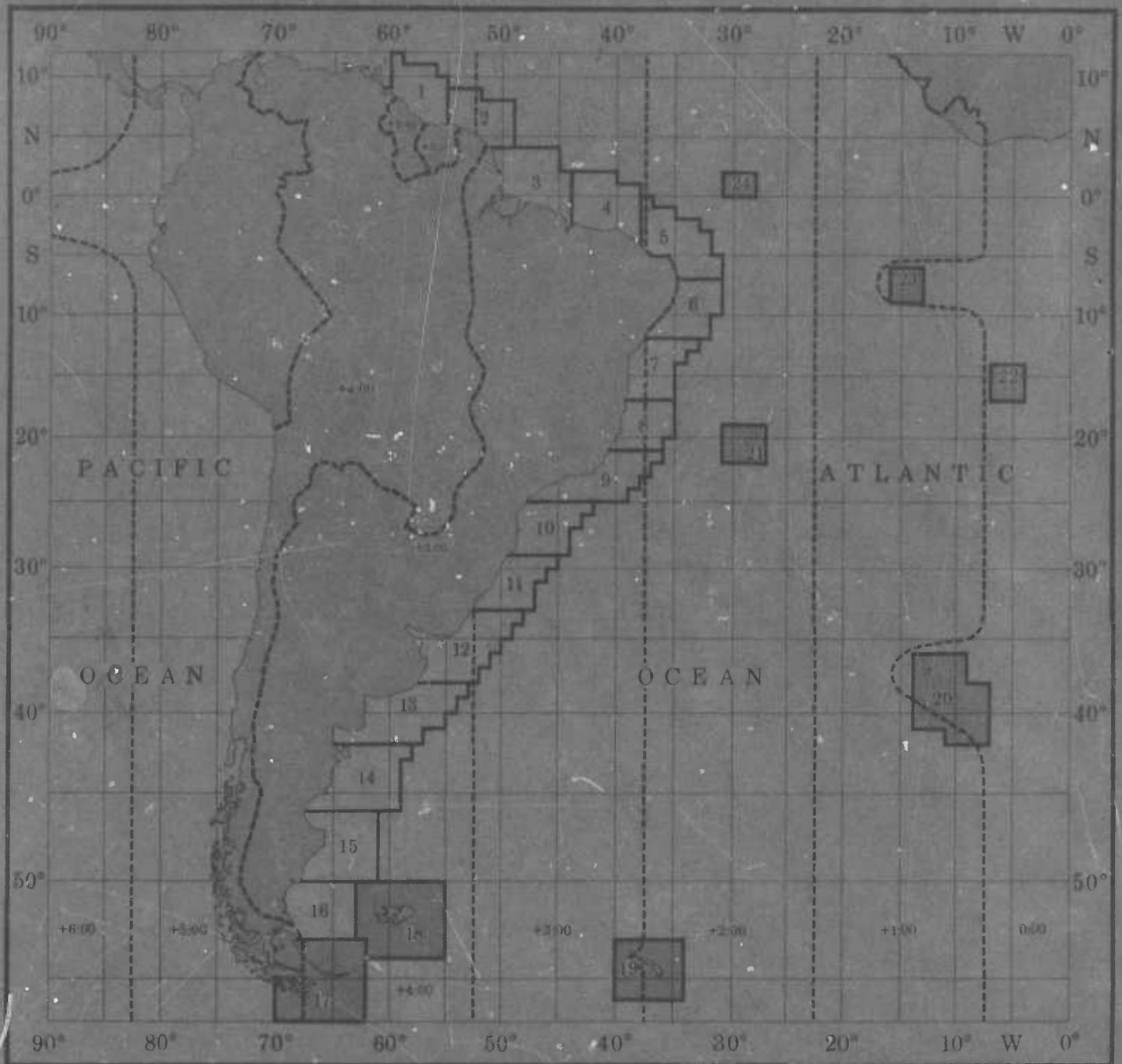
PREPARED BY
THE NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C.
FOR
THE DIRECTOR, NAVAL OCEANOGRAPHY AND METEOROLOGY

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JUNE 1977



SOUTH AMERICA AND SELECTED ISLAND SSMO AREAS AND STANDARD TIME ZONES - ATLANTIC ISLANDS
 Shaded areas are included in this volume
 A list of the area names their central locations appears on the inside back cover

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report presents marine climatological data for specific coastal areas in 21 different tables including weather occurrence, wind direction and speed, cloud amount, ceiling height, visibility, precipitation, dry bulb, relative humidity, air-sea temperature difference, sea height and period, sea surface temperature and sea level pressure.		

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

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

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.

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.

- 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.

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.

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.

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.

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Copies of this document are obtainable from the National Technical Information Service (NTIS), Springfield, Virginia 22161.

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.

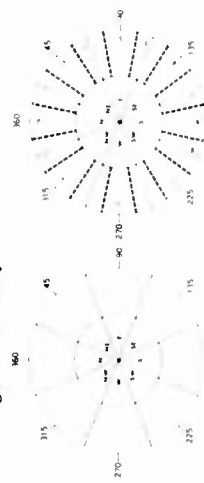


Fig 1. The 8 point direction system.

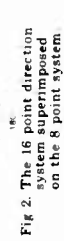


Fig 2. The 16 point direction system superimposed on the 8 point system.

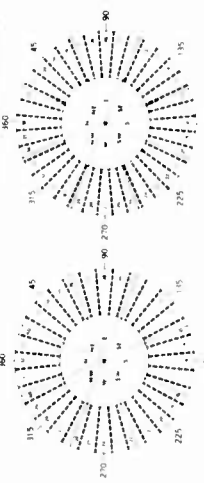


Fig 3. The 32 point direction system superimposed on the 8 point system.

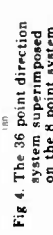


Fig 4. The 36 point direction system superimposed on the 8 point system.

VISIBILITY (VV) INTERPRETATION (NAUTICAL MILES)

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	CODE	INTERPRETATION
FOG (WITHOUT PRECIPITATION)	58-59	RAIN	10-12	FOG (WITHOUT PRECIPITATION)
	60-65		40-49	
	91-94		28	FOG (WITHOUT PRECIPITATION) PAST HOUR
(68-69, 95, 97 IF TEMP > 40° F)	80-82, (83-84 IF TEMP > 40° F)	RAIN SHOWERS	04-05	SMOKE HAZE
50-55, 58-59	DRIZZLE	06-09	30-39	SPRAY BLOWING DUST BLOWING SNOW
56-57	FREEZING PRECIPITATION	00-03	14-16	NO SIGNIFICANT WEATHER AT OB TIME
66-67	SNOW	18		
70-75, 85-86 (68-69, 83-84, 95, 97 IF TEMP ≤ 40° F)	OTHER FROZEN PRECIPITATION	00-49		NO PRECIPITATION AT OB TIME
76-79	HAIL	50-95		PRECIPITATION AT OB TIME
87-90	THUNDER	20-27		PRECIPITATION PAST HOUR
93-94	LIGHTNING			
96, 99	THUNDERSTORM			
13, 17				
19, 29				
93-99				

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

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

JANUARY

AREA 0017 TIERRA DEL FUEGO
55.05 65.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.7	3.6	.0	.0	.0	.0	.0	16.4	3.6	.0	7.3	.0	.0	.0	72.7
NE	25.9	.0	.0	.0	.0	.0	.0	25.9	1.9	.0	22.2	.0	.0	.0	90.0
E	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	25.6	.0	.0	.0	66.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37.5	.0	.0	.0	62.5
S	7.5	.0	.0	.0	.0	.0	.0	7.5	4.5	.0	3.0	.0	.0	.0	85.1
SW	4.9	9.8	8.7	.0	.0	.0	.0	23.5	2.7	.0	6.6	.0	.0	.0	67.2
W	9.0	9.0	1.5	.0	.0	.0	.0	19.4	1.5	.0	1.0	.0	2.0	.0	76.1
NW	20.3	.0	.6	.0	.0	.0	.0	20.9	3.2	.0	2.5	.0	.0	.0	73.4
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	20.0	.0	.0	.0	.0	.0	80.0
TOT PCT	10.8	4.7	2.4	.0	.0	.0	.0	17.9	3.3	.0	6.6	.0	.5	.0	71.7
TOT OBS:	212														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0600	9.3	5.6	3.7	.0	.0	.0	.0	18.5	.0	.0	9.3	.0	.0	.0	72.2
0609	7.5	3.8	3.8	.0	.0	.0	.0	15.1	3.8	.0	3.8	.0	.0	.0	77.4
1201	11.1	4.8	.0	.0	.0	.0	.0	15.9	3.2	.0	4.8	.0	.0	.0	76.2
1802	16.7	4.2	2.1	.0	.0	.0	.0	22.9	6.3	.0	10.4	.0	2.1	.0	58.3
TOT PCT	11.0	4.6	2.3	.0	.0	.0	.0	17.9	3.2	.0	6.9	.0	.5	.0	71.6
TOT OBS:	218														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.9	5.4	4.7	1.6	.0	.0		12.7	12.7	7.7	7.1	9.7	15.0	11.4	23.8	17.7	11.8
NE	.0	2.0	2.6	1.6	.0	.0		6.2	15.1	5.1	7.1	4.0	11.3	4.5	9.5	3.2	11.8
E	.0	2.6	1.8	.0	.0	.0		4.5	9.1	4.5	7.1	3.6	8.8	4.0	.0	3.2	4.4
SE	.0	1.3	1.3	.0	.0	.0		2.8	12.6	3.2	.0	6.5	.0	5.1	.0	.8	1.5
S	.0	2.6	1.8	3.2	.0	.0		7.7	18.0	11.5	3.6	4.8	10.0	8.0	9.5	2.4	11.8
SW	.0	6.3	9.2	5.4	1.0	.0		22.0	17.3	26.3	10.7	24.2	23.0	22.7	25.0	17.7	18.2
W	.0	2.9	11.2	8.3	.8	.0		23.2	18.9	23.7	21.4	29.8	12.5	23.3	21.4	29.8	13.2
NW	2.3	2.9	12.0	1.5	.0	.0		18.7	13.6	15.4	42.9	13.3	17.5	16.5	6.0	21.8	29.4
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		2.3	.0	2.6	.0	.0	.0	4.5	4.8	3.2	.0
TOT OBS	12	57	97	47	4	0	217	15.4		39	14	31	20	44	21	31	17
TOT PCT	5.5	26.3	44.7	21.7	1.8	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.4	8.3	2.5	.5	.0	12.7	12.7	7.5	11.8	15.4	15.6
NE	1.0	2.6	2.1	.3	.0	6.2	15.1	5.7	6.9	6.2	8.3
E	1.3	3.2	.0	.0	.0	4.5	9.1	5.2	6.9	2.7	3.6
SE	.0	2.3	.5	.0	.0	2.8	12.6	2.4	3.9	3.3	1.0
S	.3	2.8	2.9	1.7	.0	7.7	18.0	9.4	6.9	8.5	3.7
SW	1.5	8.2	9.3	3.0	.0	22.0	17.3	22.2	24.5	23.3	17.2
W	.9	7.7	11.9	2.6	.0	23.2	18.9	23.1	23.0	22.7	24.0
NW	3.2	7.3	8.2	.0	.0	18.7	13.6	22.6	16.2	13.1	24.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3	.0	.0	.0	.0	2.3	.0	1.9	.0	4.6	2.1
TOT OBS	12	92	81	18	0	217	15.4	39	51	65	48
TOT PCT	12.0	42.4	37.3	8.3	.0		100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

JANUARY

AREA 0017 TIERRA DEL FUEGO
55.05 65.34

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00603	1.9	1.9	26.4	49.1	17.0	3.8	.0	15.4	100.0	53	
06609	.0	3.9	35.3	41.2	19.6	.0	.0	14.6	100.0	51	
12615	4.6	3.1	18.5	43.1	27.7	3.1	.0	16.4	100.0	65	
18621	2.1	4.2	27.1	45.8	20.8	.0	.0	15.0	100.0	48	
TOT	5	7	57	97	47	4	0	13.4		217	
PCT	2.3	3.2	26.3	44.7	21.7	1.8	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.9	.0	2.2	1.4	6.0	
E	.5	.7	3.1	2.4	6.1	
SE	.0	.0	.9	1.9	7.1	
S	.0	.5	2.2	1.5	6.7	
SW	.0	3.6	9.9	5.1	6.5	
W	1.9	3.1	12.6	12.6	8.2	
NW	4.9	1.7	6.6	6.8	5.3	
VAR	.0	.0	.0	.0	.0	
CALM	.0	.0	2.7	.7	6.6	
TOT OBS	14	16	64	53	147	6.1
TOT PCT	9.5	10.9	43.5	36.1	100.0	

TABLE 6

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

WIND DIR	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)										NH <4/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	149	299	599	999	1999	3499	4999	6499	7999	8000+	.0	3.4
NE	.0	.0	.0	.7	2.6	1.9	.0	1.4	.0	.0	.0	1.5
E	.7	.0	.0	.0	.9	.0	.7	.0	.7	.0	.0	3.1
SE	1.7	.0	.0	.7	.5	.0	.7	.0	.0	.0	.0	.9
S	1.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.7
SW	.0	.0	.0	.5	1.5	.5	.0	.0	.0	.0	.0	7.5
W	.0	.0	.0	1.9	6.6	1.9	.0	.7	.0	.0	.0	11.2
NW	.0	.0	.0	7.0	2.9	7.1	.0	.0	1.2	.0	.0	9.5
VAR	.0	.0	.0	4.8	2.0	1.5	1.4	.0	.9	.0	.0	.0
CALM	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	2.7
TOT OBS	5	0	1	25	25	19	4	3	4	0	0	61
TOT PCT	3.4	.0	.7	17.0	17.0	12.9	2.7	2.0	2.7	.0	41.5	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
>5000	3.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6
>5500	6.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3
>2000	17.2	20.5	20.5	20.5	20.5	20.5	20.5	20.5
>1000	25.8	37.7	37.7	37.7	37.7	37.7	37.7	37.7
>600	31.8	52.3	53.6	54.3	54.3	54.3	54.3	54.3
>300	31.8	52.3	54.3	55.0	55.0	55.0	55.0	55.0
>150	31.8	52.3	54.3	55.0	55.0	55.0	55.0	55.0
>0	31.8	52.3	55.0	56.3	56.3	57.6	58.3	58.3
TOTAL	48	79	83	85	85	87	88	88

TOTAL NUMBER OF OBS: 151

PCT FREQ NH <5/8: 41.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	3.9	9.1	9.7	7.1	11.7	13.0	9.1	10.4	22.7	3.2	154

JANUARY

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

AREA 0017 TIERRA DEL FUEGO
55.05 65.3W

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	.0
	ND PCP	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	2.8	.0
	TOT %	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	2.8	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	ND PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	.9	.0
	ND PCP	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
	TOT %	.5	.5	.0	.0	.0	.0	.0	.5	.0	.0	1.4	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	1.9	.0
	ND PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0
	TOT %	.0	.0	.5	.0	.0	.0	.9	.9	.0	.0	2.4	.0
5<10	PCP	.7	1.7	.0	.0	.2	4.0	3.2	2.0	.0	.0	11.8	.0
	ND PCP	2.0	.8	.8	.6	3.2	5.1	4.6	7.9	.0	.9	25.9	.0
	TOT %	2.7	2.5	.8	.6	3.4	9.1	7.8	9.9	.0	.9	37.7	.0
10+	PCP	.9	.0	.0	.0	.4	1.1	.5	.5	.0	.0	3.3	.0
	ND PCP	8.1	2.7	2.6	.6	4.1	11.4	14.5	6.8	.0	1.4	52.4	.0
	TOT %	9.1	2.7	2.6	.6	4.5	12.5	15.0	7.3	.0	1.4	55.7	.0
TOT OBS		13.0	6.4	4.6	1.9	7.9	21.6	23.7	18.6	.0	2.4	100.0	212
TOT PCT													

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	.0
	4-10	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.9	.0
	11-21	.2	.7	.7	.2	.0	.0	.0	.0	.0	.0	1.9	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	2.8	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	.0
	22+	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
	TOT %	.5	.5	.0	.0	.0	.0	.0	.5	.0	.0	1.4	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.5	.0	.0	.0	.0	.5	.0	.0	.9	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.9	.5	.0	.0	1.4	.0
	TOT %	.0	.0	.5	.0	.0	.0	.9	.5	.0	.0	2.4	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.9	3.3	.0
	4-10	1.3	.5	.0	.1	.4	1.8	.6	1.5	.0	.0	6.1	.0
	11-21	.7	.8	.8	.5	.9	3.4	2.9	5.0	.0	.0	15.1	.0
	22+	.7	1.2	.0	.0	2.1	3.9	4.2	1.1	.0	.0	13.2	.0
	TOT %	2.7	2.5	.8	.6	3.4	9.1	7.8	9.9	.0	.9	37.7	.0
10+	0-3	.9	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.4	.0
	4-10	3.8	1.1	2.2	.5	2.4	4.2	2.6	.5	.0	.0	17.0	.0
	11-21	3.9	1.2	.4	.1	.9	3.5	8.5	6.8	.0	.0	27.4	.0
	22+	.5	.5	.0	.0	1.2	2.7	4.1	.0	.0	.0	9.0	.0
	TOT %	9.1	2.7	2.6	.6	4.5	12.5	15.0	7.3	.0	1.4	55.7	.0
TOT OBS		13.0	6.4	4.6	1.9	7.9	21.6	23.7	18.6	.0	2.4	100.0	212
TOT PCT													

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	5.4	.0	2.7	18.9	10.8	8.1	2.7	2.7	2.7	.0	54.1	45.9	37
06009	2.6	.0	.0	15.8	18.4	10.5	2.6	.0	5.3	.0	55.3	44.7	38
12015	.0	.0	.0	12.8	20.5	10.3	2.6	2.6	2.6	.0	51.3	48.7	39
18021	5.3	.0	.0	18.4	18.4	23.7	2.6	2.6	.0	.0	71.1	28.9	38
TOT	5	0	1	25	26	20	4	3	4	0	88	64	152
PCT	3.3	.0	.7	16.4	17.1	13.2	2.6	2.0	2.6	.0	57.9	42.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	1.9	.0	.0	3.7	44.4	50.0	54
06009	3.8	.0	1.9	1.9	28.3	64.2	53
12015	4.0	.0	.0	1.6	38.1	55.6	63
18021	4.2	.0	4.2	2.1	37.5	52.1	48
TOT	8	0	3	5	81	121	218
PCT	3.7	.0	1.4	2.3	37.2	55.5	100.0

TABLE 12

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

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL DBS
00003	5.4	8.1	27.0	27.0	45.9	37
06009	2.6	2.6	18.4	36.8	44.7	38
12015	.0	.0	13.2	39.5	47.4	38
18021	5.3	5.3	23.7	47.4	28.9	38
TOT	5	6	31	57	63	151
PCT	3.3	4.0	20.5	37.7	41.7	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 DBS	PCT FREQ
55/59	.0	.0	.6	.6	1.2	1.2	.0	.0	6	3.5
50/54	.0	.0	.0	.0	1.2	7.6	8.8	1.2	32	18.8
45/49	.0	.0	.0	.0	4.1	16.5	16.5	15.9	90	52.9
40/44	.0	.0	.0	.0	2.4	5.9	10.0	4.7	39	22.9
35/39	.0	.0	.0	.0	.0	1.8	.0	.0	3	1.8
TOTAL	0	0	1	1	15	58	80	37	170	100.0
PCT	.0	.0	.6	.6	8.8	32.9	35.3	21.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.6	.0	.0	.1	.4	.0	.6	.6	.0	1.2
50/54	2.8	1.2	1.2	.0	.0	2.1	5.1	8.5	.0	.0
45/49	4.4	3.8	1.0	2.5	1.9	10.3	19.1	8.7	.0	1.2
40/44	1.2	.1	2.5	.9	3.5	8.5	4.1	1.5	.0	.6
35/39	.0	.0	.6	.0	.4	.7	.0	.0	.0	.0
TOTAL	9.0	5.1	5.3	3.5	6.3	21.6	29.0	17.2	.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 DBS
00003	58	57	53	47	42	41	41	46.9	55
06009	54	53	53	46	39	39	39	46.0	53
12015	55	54	54	46	41	38	38	46.3	65
18021	59	58	54	48	42	40	40	47.9	50
TOT	59	56	54	47	41	39	38	46.7	223

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	2.3	9.3	34.9	25.6	27.9	82	43
06009	.0	.0	4.7	41.9	32.6	20.9	82	43
12015	.0	.0	10.4	33.3	35.4	20.8	81	48
18021	.0	2.4	9.5	21.4	42.9	23.8	83	42
TOT	0	2	15	58	60	41	82	176

JANUARY

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

AREA 0017 TIERRA DEL FUEGO
55.05 65.3W

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	37 40	41 44	45 48	49 52	53 56	57 60	TOT	% FOG	NO FOG
11/13	.0	.0	.0	.0	.5	.0	1	.0	.5
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.5	.0	.5	2	.0	1.0
6	.0	.0	.0	.5	1.9	.0	5	.0	2.4
5	.0	.0	1.9	2.9	2.9	.0	16	.0	7.7
4	.0	.0	1.9	2.4	1.0	.0	11	.5	4.8
3	.0	1.0	2.9	3.8	1.0	.0	18	1.4	7.2
2	.0	1.4	5.3	4.8	.0	.0	24	1.0	10.6
1	.0	1.4	5.3	4.3	.0	.0	23	.5	10.6
0	.0	1.4	6.3	1.4	.0	.0	19	1.0	8.2
-1	.5	2.9	7.7	.0	.0	.0	23	.5	10.6
-2	.0	3.8	6.3	.5	.0	.0	22	.0	10.6
-3	1.0	1.4	2.4	.0	.0	.0	10	.5	4.3
-4	.0	4.8	.0	.0	.0	.0	10	.0	4.8
-5	1.0	2.9	1.0	.0	.0	.0	10	.0	4.8
-6	.5	1.9	.5	.0	.0	.0	6	.0	2.9
-7/-8	1.4	1.4	.5	.0	.0	.0	7	.5	2.9
TOTAL	9	51	87	44	15	2	208	12	196
PCT	4.3	24.5	41.8	21.2	7.2	1.0	100.0	5.8	94.2

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.9	.0	.0	.0	.0	.0	1.9	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	3.9	3.9	.0	.0	.0	7.8	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.7	1.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	1.0
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	1.0	.0	.0	.0
TOT PCT	1.9	4.6	4.9	1.9	.0	.0	13.3	.0	3.2	.0	1.0	.0	.0	4.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	.7	.0	.0	.0	3.6	.0	.2	.2	.0	.0	.0	.5
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0
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	.0	4.6	.7	.0	.0	.0	5.3	.0	1.2	1.2	.0	.0	.0	2.4

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	1.5	
1-2	.0	1.7	.0	.0	.0	.0	1.7	.0	1.9	3.9	.0	.0	.0	.0	5.8	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.2	.0	.0	.0	2.4	
5-6	.0	.0	.0	.7	.0	.0	.7	.0	1.0	1.9	1.2	.0	.0	.0	4.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	1.9	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.2	1.0	.0	.0	1.2	
12	.0	.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	.3	.0	.0	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	3.2	.0	1.5	.0	.0	4.6	.0	7.5	6.8	1.7	1.0	.0	17.0		

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1-2	.0	2.9	5.6	.0	.0	.0	8.5	.0	1.9	2.2	.0	.0	.0	.0	4.1		
3-4	.0	.7	4.6	2.7	.0	.0	8.0	.0	1.2	8.0	.0	.0	.0	.0	9.2		
5-6	.0	1.0	3.6	1.9	.0	.0	6.6	.0	.0	4.1	1.0	.0	.0	.0	5.1		
7	.0	.0	.0	1.9	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	1.9		
8-9	.0	.0	1.0	1.9	.0	.0	2.9	.0	.0	1.0	.0	.0	.0	.0	1.0		
10-11	.0	.0	.7	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.0	.2		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
20-22	.0	.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	.0		
26-32	.0	.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	.0		
41-48	.0	.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	.0		
61-70	.0	.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	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.0	4.6	15.5	9.5	.0	.0	29.6	.0	3.2	15.5	2.9	.0	.0	21.6	98.1		

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.8	5.7	.0	.0	.0	.0	10.5	
1-2	.0	18.1	16.2	.0	.0	.0	34.3	
3-4	.0	4.8	14.3	2.9	.0	.0	21.9	
5-6	.0	2.9	9.5	5.7	.0	.0	18.1	
7	.0	1.0	1.0	5.7	.0	.0	7.6	
8-9	.0	.0	1.9	1.9	.0	.0	3.8	
10-11	.0	.0	1.0	1.0	1.0	.0	2.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	1.0	.0	.0	1.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	32.4	43.8	18.1	1.0	.0	100.0	105

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	.0	11.3	12.8	11.3	3.0	.8	5.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	5
6-7	.0	.0	7.5	7.5	3.8	1.5	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
8-9	.0	.0	.8	1.5	3.0	1.5	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	8
10-11	.0	.8	.8	.0	1.5	.8	.6	.0	2.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	17	10
12-13	.0	.0	1.5	1.5	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
>13	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	.8	.8	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
TOTAL	1	17	31	32	17	7	17	2	8	0	1	0	0	0	0	0	0	0	0	133	6
PCT	.8	12.8	23.3	24.1	12.8	5.3	12.8	1.5	6.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1927-1972

APEA 0017 TIERRA DEL FUEGO
54.6S 65.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	18.2	3.3	6.1	.0	.0	.0	.0	27.6	2.2	2.2	6.6	.0	.0	.0	61.3
NE	17.3	8.2	16.3	.0	.0	.0	.0	41.8	5.1	.0	1.0	.0	.0	.0	52.0
E	17.9	4.5	6.0	.0	.0	.0	.0	28.4	22.4	.0	4.5	.0	.0	.0	44.8
SE	42.6	1.5	5.9	.0	.0	.0	.0	50.0	5.9	.0	5.9	.0	.0	.0	38.2
S	6.8	.0	1.9	.0	.0	.0	.0	8.6	.0	.0	1.2	.0	.0	.0	90.1
SW	9.5	2.4	.5	.0	.0	.0	1.9	14.3	2.4	.0	1.0	.0	1.9	.0	80.5
W	3.5	4.8	1.3	.0	.0	.0	.0	9.6	1.0	.0	5.1	.0	.0	.0	84.3
NW	10.0	.9	.4	.0	.0	.0	.0	11.3	.0	.0	5.2	.0	.0	.0	83.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.5	25.0	.0	.0	.0	.0	.0	37.5	.0	.0	.0	.0	.0	.0	62.5
TOT PCT	11.8	3.5	3.2	.0	.0	.0	.3	18.8	2.6	.3	3.6	.0	.3	.0	74.1
TOT OBS:	340														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	15.1	5.8	2.3	.0	.0	.0	1.2	24.4	1.2	1.2	3.5	.0	.0	.0	69.8
0600Z	17.1	4.9	2.4	.0	.0	.0	.0	24.4	1.2	.0	2.6	.0	.0	.0	72.0
1201Z	11.6	5.2	3.2	.0	.0	.0	.0	17.9	4.2	.0	6.3	.0	.0	.0	71.6
1802Z	4.5	3.4	4.5	.0	.0	.0	.0	12.4	3.4	.0	3.6	.0	1.1	.0	79.8
TOT PCT	11.9	4.3	3.1	.0	.0	.0	.3	19.6	2.6	.3	4.0	.0	.3	.0	73.3
TOT OBS:	352														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.6	5.9	5.7	1.7	.0	.0	13.8	11.9	20.0	16.1	13.1	12.8	13.1	8.3	12.8	12.8
NE	.0	2.7	2.8	1.5	.0	.0	7.0	14.7	10.5	9.7	5.4	2.9	5.3	2.8	6.4	12.8
E	.3	1.1	2.0	1.3	.0	.0	4.7	16.1	4.5	3.2	6.5	4.1	4.5	2.8	10.5	1.2
SE	.0	1.7	1.3	1.5	.4	.0	4.8	18.7	3.6	3.2	7.7	3.5	8.6	2.8	4.7	2.3
S	.0	3.5	5.8	2.0	.2	.0	11.4	15.3	10.0	11.3	10.7	6.7	11.5	16.7	11.0	12.8
SW	.0	2.9	8.2	3.6	.3	.0	15.0	17.3	17.3	14.5	8.9	22.7	12.7	11.8	12.8	18.6
W	.5	6.5	11.2	5.2	.0	.3	23.7	16.2	20.5	24.2	25.6	25.0	21.3	28.5	20.3	27.3
NW	.4	5.2	7.8	3.8	.0	.0	17.2	15.4	13.6	17.7	14.9	15.7	21.3	23.6	19.2	12.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	.0	.0	7.1	4.7	1.6	2.8	2.3	.0
TOT OBS	14	104	159	73	3	1	354	15.2	55	31	42	43	61	36	43	43
TOT PCT	4.0	29.4	44.9	20.6	.8	.3	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.7	8.6	2.3	.3	.0	13.8	11.9	18.6	12.9	11.3	12.8
NE	1.3	3.4	2.0	.4	.0	7.0	14.7	10.2	4.1	4.4	9.6
E	.8	1.6	1.9	.5	.0	4.7	16.1	4.1	5.3	3.9	5.8
SE	.6	1.7	1.1	1.5	.0	4.8	18.7	3.5	5.6	6.4	3.5
S	.8	6.9	2.5	1.3	.0	11.4	15.3	10.5	9.7	13.4	11.9
SW	.6	7.1	4.8	2.4	.0	15.0	17.3	16.3	15.9	12.4	15.7
W	2.7	10.7	8.0	2.0	.3	23.7	16.2	21.8	25.3	24.0	23.8
NW	2.2	7.1	6.6	1.3	.0	17.2	15.4	15.1	15.3	22.2	15.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3					2.3	.0	.0	5.9	2.1	1.2
TOT OBS	49	167	103	34	1	354	15.2	86	85	97	86
TOT PCT	13.8	47.2	29.1	9.6	.3	100.0		100.0	100.0	100.0	100.0

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
06003	.0	.0	37.2	43.0	18.6	1.2	.0	14.7	100.0	86
06209	5.9	2.4	25.9	48.2	15.3	1.2	1.2	14.7	100.0	85
12015	2.1	2.1	22.7	48.5	24.7	.0	.0	15.9	100.0	97
18021	1.2	2.3	32.5	39.5	23.3	1.2	.0	15.3	100.0	86
TOT	.8	.6	104	159	73	3	1	15.2		354
PCT	2.3	1.7	29.4	44.9	20.6	.8	.3	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL OBS	MEAN CLOUD COVER
NE	1.1	.0	1.8	4.9	6.9	6.9
E	.4	.0	1.9	4.2	7.3	7.3
SE	.4	.5	1.8	3.6	6.7	6.7
S	.6	1.9	6.8	6.2	6.5	6.5
SW	2.0	2.2	7.1	4.0	9.7	9.7
W	1.1	1.8	11.4	3.7	6.0	6.0
NW	1.1	1.2	8.1	4.0	6.2	6.2
VAP	.0	.0	.0	.0	.0	.0
CALM	.4	.0	.4	.4	5.5	5.5
TOT OBS	22	18	107	87	234	6.3
TOT PCT	9.4	7.7	45.7	37.2	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.4	.0	.0	.6	4.1	1.9	.7	.0	.0	.6	5.9	
.4	.0	.9	1.0	2.0	.9	.4	.2	.0	.0	2.0	
.0	.0	.3	.9	3.1	.0	.0	.6	.0	.0	1.6	
.0	.0	.1	.4	1.9	.9	.0	.0	.0	.0	3.1	
.0	.0	.0	2.8	3.8	1.9	1.7	.4	.0	.0	4.9	
.0	.0	.0	2.0	1.7	2.1	1.1	.0	.0	.0	7.6	
.4	.0	.4	2.0	1.3	3.2	1.1	.0	.0	.0	9.6	
.0	.0	.0	.5	1.7	.6	.6	.0	.0	.6	10.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.4	
3	0	4	25	46	28	15	3	0	4	106	234
1.3	.0	1.7	10.7	19.7	12.0	6.4	1.3	.0	1.7	45.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
>6000	.8	2.5	2.9	2.9	2.9	2.9	2.9	2.9
>3500	5.8	8.7	9.1	9.1	9.1	9.1	9.1	9.1
>2000	13.3	20.3	20.7	20.7	20.7	20.7	20.7	20.7
>1000	22.4	37.8	39.4	39.8	39.8	39.8	39.8	39.8
>600	28.2	47.3	49.8	50.6	50.6	50.6	50.6	50.6
>300	29.0	49.0	51.9	52.7	53.1	53.1	53.1	53.1
>150	29.0	49.0	51.9	52.7	53.1	53.1	53.1	53.1
>0	29.0	49.4	52.3	53.1	53.5	53.5	54.4	54.4
TOTAL	70	119	126	128	129	129	131	131

TOTAL NUMBER OF OBS: 241

PCT FREQ NH <5/8: 45.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
6.9	8.5	14.1	8.1	6.9	6.0	14.1	10.9	23.4	1.2	248

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1922-1972

AREA 0017 TIERRA DEL FUEGO
54.6S 65.4W

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	.1	.1	.0	.0	.0	.0	.6	.3	.0	.0	1.2	
	NO PCP	.3	.0	.0	.0	.0	.0	.3	.3	.0	.0	.9	
	TOT %	.4	.1	.0	.0	.0	.0	.9	.6	.0	.0	2.1	
1/2<1	PCP	.0	.6	.0	.0	.0	.0	.0	.0	.0	.3	.9	
	NO PCP	.9	.0	.0	.0	.0	.0	.6	.3	.0	.0	1.4	
	TOT %	.9	.6	.0	.0	.0	.0	.6	.3	.0	.3	2.7	
1<2	PCP	.0	.0	.0	.6	.0	.3	.3	.6	.0	.0	1.8	
	NO PCP	.1	.1	.0	.0	.1	1.0	.1	.1	.0	.0	1.8	
	TOT %	.1	.1	.0	.6	.1	1.3	.4	.7	.0	.0	3.5	
2<5	PCP	.3	.9	.6	.3	.3	.0	.0	.0	.0	.0	2.4	
	NO PCP	.0	.1	.2	.0	.0	.1	.8	.6	.0	.0	1.8	
	TOT %	.3	1.0	.8	.3	.3	.1	.8	.6	.0	.0	4.1	
5<10	PCP	2.3	1.4	.8	1.6	.7	1.3	1.3	.8	.0	.6	10.9	
	NO PCP	2.2	2.2	1.8	.3	3.5	3.2	7.2	6.4	.0	.3	27.1	
	TOT %	4.5	3.6	2.7	1.9	4.3	4.5	8.5	7.2	.0	.9	38.1	
10+	PCP	.7	.0	.0	.0	.0	.6	.0	.2	.0	.0	1.5	
	NO PCP	8.1	1.8	1.5	2.2	7.2	9.0	11.8	7.3	.0	1.2	48.1	
	TOT %	8.8	1.8	1.5	2.2	7.2	9.6	11.8	7.5	.0	1.2	49.6	
TOT OBS													339
TOT PCT		19.1	7.2	4.9	5.0	11.9	15.5	23.0	17.0	.0	2.4	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	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.6	
	11-21	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.6	
	22+	.1	.1	.0	.0	.0	.0	.6	.0	.0	.0	.9	
	TOT %	.4	.1	.0	.0	.0	.0	.9	.6	.0	.0	2.0	
1/2<1	0-3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	
	4-10	.6	.3	.0	.0	.0	.0	.6	.0	.0	.0	1.5	
	11-21	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.6	
	22+	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.9	.6	.0	.0	.0	.0	.9	.3	.0	.3	2.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.1	.0	.3	.1	.4	.3	.3	.0	.0	1.7	
	11-21	.0	.0	.0	.0	.0	.3	.1	.4	.0	.0	.9	
	22+	.0	.0	.0	.3	.0	.6	.0	.0	.0	.0	.9	
	TOT %	.1	.1	.0	.6	.1	1.3	.4	.7	.0	.0	3.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.1	.2	.0	.3	.0	.0	.0	.0	.0	.9	
	11-21	.0	.9	.0	.0	.0	.1	.3	.3	.0	.0	1.7	
	22+	.0	.0	.6	.3	.0	.0	.3	.3	.0	.0	1.5	
	TOT %	.3	.9	.8	.3	.3	.1	.8	.6	.0	.0	4.1	
5<10	0-3	.3	.0	.0	.0	.0	.0	.5	.1	.0	.9	1.7	
	4-10	2.0	1.6	.3	.6	1.7	.9	2.4	2.3	.0	.0	11.6	
	11-21	1.9	1.2	1.5	.4	2.3	3.0	3.9	2.8	.0	.0	16.9	
	22+	.3	.8	.8	.9	.2	.6	1.6	2.0	.0	.0	7.3	
	TOT %	4.4	3.6	2.6	1.9	4.2	4.4	8.4	7.1	.0	.9	37.5	
10+	0-3	.0	.0	.3	.0	.0	.0	.0	.3	.0	1.2	1.7	
	4-10	2.5	.7	.6	.9	1.5	1.5	3.3	2.3	.0	.0	13.1	
	11-21	4.0	.9	.6	.9	3.6	5.1	5.2	3.3	.0	.0	23.5	
	22+	1.3	.3	.0	.4	2.0	2.8	3.2	1.4	.0	.0	11.6	
	TOT %	7.8	1.8	1.5	2.2	7.1	9.4	11.6	7.4	.0	1.2	50.0	
TOT OBS													344
TOT PCT		14.0	7.2	4.9	4.9	11.8	13.3	23.0	16.7	.0	2.3	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1922-1972

AREA 0017 TIERRA DEL FUEGO
54.65 65.4W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	6.0	12.0	20.0	14.0	10.0	.0	.0	.0	62.0	38.0	50
06009	5.2	.0	1.7	6.9	13.8	10.3	10.3	.0	.0	3.4	51.7	48.3	58
12015	.0	.0	1.5	9.2	21.5	4.6	1.5	1.5	.0	.0	40.0	60.0	65
18021	.0	.0	1.5	14.7	20.6	17.6	4.4	2.9	.0	2.9	64.7	35.3	68
TOT	3	0	6	26	46	28	15	3	0	4	131	110	241
PCT	1.2	.0	2.5	10.8	19.1	11.6	6.2	1.2	.0	1.7	54.4	45.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.3	4.5	5.7	5.7	42.0	39.8	88
06009	3.6	1.2	3.6	2.4	39.8	49.4	83
12015	2.1	3.1	1.0	5.2	37.5	51.0	96
18021	1.1	2.2	3.4	2.2	32.6	58.4	89
TOT	8	10	12	14	135	177	356
PCT	2.2	2.8	3.4	3.9	37.9	49.7	100.0

TABLE 12

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

HR	<150 <50FD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	6.0	22.0	40.0	38.0	50
06009	5.2	6.9	15.5	37.9	46.6	58
12015	.0	3.1	15.4	26.2	58.5	65
18021	.0	1.5	19.1	47.1	33.8	68
TOT	3	10	43	91	107	241
PCT	1.2	4.1	17.8	37.8	44.4	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
55/59	.0	.0	.0	.6	.6	.6	.0	.0	6	1.9
50/54	.0	.0	.0	.3	2.6	7.7	11.5	4.5	83	26.6
45/49	.0	.0	.0	1.6	6.4	11.9	16.3	11.5	149	47.8
40/44	.0	.0	.0	1.3	4.8	5.8	6.1	4.8	71	22.8
35/39	.0	.0	.0	.0	.3	.3	.3	.0	3	1.0
TOTAL	0	0	0	12	46	82	107	65	312	100.0
PCT	.0	.0	.0	3.8	14.7	26.3	34.3	20.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.6	.0	.0	.0	.0	.2	1.0	.0	.0	.0
6.2	1.0	.3	.6	.9	2.5	6.3	8.4	.0	.3
6.4	3.8	2.8	2.2	3.5	7.4	12.8	7.2	.0	1.6
.6	2.0	2.1	2.5	6.4	3.1	2.8	1.0	.0	.3
.0	.0	.0	.1	.9	.0	.0	.0	.0	.0
13.8	6.8	5.2	5.4	11.7	15.2	23.0	16.6	.0	2.2

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	55	53	52	47	42	41	41	47.4	90
06009	55	54	53	47	40	38	38	46.6	84
12015	57	55	54	48	42	39	39	47.5	107
18021	56	55	54	48	42	40	40	47.9	89
TOT	57	55	53	47	41	39	38	47.4	370

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	4.1	23.4	35.1	31.2	84	77		
06009	.0	3.9	19.5	26.0	28.6	22.1	80	77		
12015	.0	5.7	17.0	26.1	31.8	19.3	79	88		
18021	.0	3.7	12.3	30.9	40.7	12.3	79	81		
TOT	0	12	47	86	110	68	80	323		

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1927-1972

APFA 0017 TIERRA DEL FUEGO
54.6S 65.4W

TABLE 17

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

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	53 56	57 60	TOT	N FOG	W FOG
9/10	.0	.0	.0	.0	.9	.3	4	.0	1.2
7/8	.0	.0	.0	.0	1.2	.0	4	.0	1.2
6	.0	.0	.0	1.4	1.2	.0	9	.0	2.6
5	.0	.0	.9	2.0	1.2	.0	14	.0	4.0
4	.0	.3	.9	5.2	.3	.0	23	.0	6.6
3	.0	.0	4.0	4.9	1.2	.0	35	.6	9.5
2	.0	.3	4.6	6.6	.0	.0	38	.9	10.1
1	.0	.3	5.8	4.0	.0	.0	35	.9	9.2
0	.0	1.2	8.7	4.9	.0	.0	51	.6	14.2
-1	.3	2.0	6.9	1.4	.0	.0	37	.3	10.4
-2	.0	2.6	4.0	.3	.0	.0	24	.6	6.4
-3	.0	3.2	3.2	.3	.0	.0	23	.0	6.6
-4	.3	3.2	.6	.0	.0	.0	14	.0	4.0
-5	.9	2.6	.3	.3	.0	.0	14	.3	3.8
-6	.3	2.3	.3	.0	.0	.0	10	.0	2.9
-7/-8	.9	2.0	.0	.0	.0	.0	10	.0	2.9
-9/-10	.3	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	10	69	137	109	20	1	346	14	332
PCT	2.9	19.9	39.6	31.5	5.8	.3	100.0	4.0	96.0

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

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

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	2.7	.6	.0	.0	.0	3.3	.0	.8	.0	.0	.0	.0	.0	.8	
1-2	.0	2.3	3.8	.0	.0	.0	6.0	.0	1.1	.0	.0	.0	.0	.0	1.1	
3-4	.0	.5	2.6	.0	.0	.0	3.0	.0	.2	3.2	.6	.0	.0	.0	3.9	
5-6	.0	.0	.5	.5	.0	.0	.9	.0	.0	1.2	.0	.0	.0	.0	1.2	
7	.0	.0	.5	.5	.0	.0	.9	.0	.0	.0	.6	.0	.0	.0	.6	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
10-11	.0	.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	.0	
13-16	.0	.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	.0	
20-22	.0	.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	.0	
26-32	.0	.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	.0	
41-48	.0	.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	.0	
61-70	.0	.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	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.4	7.8	.9	.0	.0	14.2	.0	2.0	4.4	1.4	.0	.0	.0	7.7	

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.4	.6	.0	.0	.0	2.0	.0	.6	1.8	.0	.0	.0	.0	2.4	
3-4	.0	.0	.6	.6	.0	.0	1.2	.0	.6	.6	.0	.0	.0	.0	1.2	
5-6	.0	.0	.5	1.2	.0	.0	1.7	.0	.0	.3	.2	.0	.0	.0	.5	
7	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	1.2	.0	.0	.0	1.2	
8-9	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.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	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.8	.0	.0	2.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.6	1.4	1.7	2.9	.0	.0	6.5	.0	1.2	2.7	2.6	.8	.0	.0	7.2	

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	1.5	
1-2	.0	.6	2.3	.0	.0	.0	2.9	.0	.8	3.2	.0	.0	.0	.0	3.9	
3-4	.0	1.4	2.9	.0	.0	.0	4.2	.0	.5	2.6	.6	.0	.0	.0	3.6	
5-6	.0	.0	.5	.5	.0	.0	.9	.0	.0	.8	.8	.0	.0	.0	1.5	
7	.0	.0	.0	.6	.0	.0	.6	.0	.0	.6	1.5	.6	.0	.0	2.7	
8-9	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	1.2	.0	.0	.0	1.2	
10-11	.0	.0	.6	.6	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.8	.0	.0	.0	.8	
13-16	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	3.5	6.2	3.9	.5	.0	14.0	.0	2.7	7.1	4.8	.6	.0	.0	15.2	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.6	.0	.0	.0	.6	.0	1.4	.0	.0	.0	.0	.0	1.4		
1-2	.5	2.1	.6	.0	.0	.0	3.2	.2	1.5	3.5	.0	.0	.0	.0	5.1		
3-4	.0	.0	3.3	1.2	.0	.0	4.5	.0	.6	1.8	.0	.0	.0	.0	2.4		
5-6	.0	.0	3.3	2.3	.0	.0	5.6	.0	.0	2.7	2.0	.0	.0	.0	4.7		
7	.0	.0	.5	.9	.0	.0	1.4	.0	.0	.3	1.4	.0	.0	.0	1.7		
8-9	.0	.0	.5	.6	.0	.0	1.1	.0	.0	.2	.0	.0	.0	.0	.2		
10-11	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.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	.6	.0	.0	.0	.6		
17-19	.0	.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	.0		
23-25	.0	.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	.0		
33-40	.0	.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	.0		
49-60	.0	.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	.0		
71-86	.0	.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	.0		
TOT PCT	.5	2.1	8.7	5.6	.0	.0	16.9	.2	3.5	8.4	3.9	.0	.0	.0	16.0		

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.0	7.8	1.2	.0	.0	.0	12.0	
1-2	.6	10.2	15.7	.0	.0	.0	26.5	
3-4	.0	3.6	17.5	3.0	.0	.0	24.1	
5-6	.0	.0	9.6	7.2	.0	.0	16.9	
7	.0	.0	1.8	7.2	.6	.0	9.6	
8-9	.0	.0	.6	3.0	.0	.0	3.6	
10-11	.0	.0	.6	1.2	.0	.0	1.8	
12	.0	.0	.0	2.4	.0	.0	2.4	
13-16	.0	.0	.0	1.8	1.2	.0	3.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	21.7	47.0	25.9	1.8	.0	100.0	166

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	12.6	16.4	7.2	6.3	1.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	4
6-7	.0	5.8	4.3	4.3	4.8	4.3	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	5
8-9	.0	.0	.5	1.0	2.4	.5	1.0	2.9	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	10
10-11	.0	1.4	.0	.0	.5	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
12-13	.0	.0	1.4	.5	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	3.9	1.9	.0	1.9	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
TOTAL	13	45	47	32	32	12	9	10	7	0	0	0	0	0	0	0	0	0	0	0	207	5
PCT	6.3	21.7	22.7	15.5	15.5	5.8	4.3	4.8	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	24.6	2.4	.0	.0	.0	.0	.0	27.0	.0	.0	11.1	.0	.0	.0	61.9
NE	30.0	.0	5.7	.0	.0	.0	.0	35.7	.0	.0	.0	.0	.0	.0	64.3
E	31.6	.0	14.0	.0	.0	.0	.0	43.6	.0	.0	14.0	.0	.0	.0	40.4
SE	4.2	.0	.0	.0	.0	.0	.0	4.2	4.2	.0	16.7	.0	.0	.0	75.0
S	9.4	6.8	3.4	.0	6.8	.0	.0	23.1	6.0	.0	17.1	.0	3.4	.0	50.4
SW	4.4	7.2	2.0	.0	3.2	.0	1.6	18.3	2.0	1.6	22.3	.0	.0	.0	57.4
W	7.8	6.0	2.4	.0	.0	.0	.0	16.3	3.3	.0	4.8	.0	.0	.0	75.6
NW	5.3	6.4	1.8	.0	.0	.0	.0	13.5	.0	.0	3.5	.0	.0	.0	83.0
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	.0	.0	.0
TOT PCT	11.1	5.2	2.8	.0	1.4	.0	.3	20.6	2.1	.3	10.8	.0	.3	.0	66.2
TOT OBS:	267														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	12.9	2.4	1.2	.0	1.2	.0	.0	17.6	1.2	.0	7.1	.0	.0	.0	74.1
0600	17.2	3.1	1.6	.0	3.1	.0	1.6	25.0	1.6	1.6	15.6	.0	.0	.0	57.8
1200	7.3	7.3	3.7	.0	.0	.0	.0	18.3	1.2	.0	15.9	.0	.0	.0	64.6
1800	7.5	7.5	6.0	.0	1.5	.0	.0	22.4	4.5	.0	4.5	.0	1.5	.0	67.2
TOT PCT	11.1	5.0	3.0	.0	1.3	.0	.3	20.5	2.0	.3	10.7	.0	.3	.0	66.4
TOT OBS:	298														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.0	1.7	7.6	1.4	.3	.0	11.1	16.1	15.5	13.0	16.7	10.0	1.0	8.7	14.0	10.7	
NE	.0	1.4	3.0	1.4	.0	.0	6.3	16.4	3.4	7.4	3.8	6.7	13.5	4.8	7.3	7.9	
E	.0	2.2	1.6	.9	.0	.0	4.7	13.4	4.2	7.4	4.5	.0	5.8	.0	6.7	6.3	
SE	.0	.7	.8	.5	.0	.0	2.0	17.3	1.7	.0	5.1	.8	.0	.0	5.5	1.8	
S	.5	1.0	4.8	3.1	.3	.0	9.7	18.1	5.2	9.3	7.7	10.8	10.6	15.4	9.1	15.2	
SW	.2	4.5	9.9	5.4	2.6	.0	22.5	19.0	25.0	24.1	20.8	35.8	26.4	25.0	7.9	16.1	
W	.2	3.4	14.2	9.6	1.4	.0	28.9	19.8	31.0	23.1	29.5	24.2	24.5	32.7	37.2	26.8	
NW	.1	4.2	8.2	1.6	.7	.0	14.7	14.6	12.9	15.7	12.2	11.7	18.3	13.5	12.2	22.3	
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	.0	.0	.0	.0	
TOT OBS	3	59	151	72	16	0	301	17.7	58	27	39	30	52	26	41	28	
TOT PCT	1.0	19.6	50.2	23.9	5.3	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.3	6.0	4.5	.3	.0	11.1	16.1	14.7	13.8	3.5	12.7	
NE	.7	3.1	1.5	1.0	.0	6.3	16.4	4.7	5.1	10.6	4.7	
E	1.2	1.9	1.6	.0	.0	4.7	13.4	3.9	2.5	3.8	6.5	
SE	.3	.3	1.0	.3	.0	2.0	17.3	1.2	3.3	.0	4.0	
S	1.2	2.6	5.1	.8	.0	9.7	18.1	6.5	9.1	12.2	11.6	
SW	2.2	7.6	8.3	4.5	.0	22.5	19.0	24.7	27.2	26.0	11.2	
W	.5	7.9	15.5	5.0	.0	28.9	19.8	28.5	27.2	27.2	33.0	
NW	1.2	8.9	4.0	.7	.0	14.7	14.6	13.8	12.0	16.7	16.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	23	115	125	38	0	301	17.7	85	69	78	69	
TOT PCT	7.6	38.2	41.5	12.6	.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	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	.0	.0	22.4	35.3	20.0	2.4	.0	16.5	100.0	85	
06009	.0	1.4	14.5	35.1	23.2	5.8	.0	18.3	100.0	69	
12015	.0	.0	21.8	41.0	28.2	9.0	.0	18.9	100.0	78	
18021	.0	2.9	18.8	49.3	24.6	4.3	.0	17.3	100.0	69	
TOT	0	3	59	151	72	16	0	17.7		301	
PCT	.0	1.0	19.6	50.2	23.9	5.3	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	1.1	.0	.8	6.7	5.9	
E	.0	.0	1.5	4.5	7.6	
SE	.5	.0	.7	.8	5.2	
S	1.1	.0	3.4	5.6	6.8	
SW	2.8	.5	7.9	9.4	6.2	
W	1.5	.9	13.4	13.4	6.7	
NW	1.7	1.3	6.0	3.6	5.8	
VAR	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	
TOT OBS	20	8	65	96	189	
TOT PCT	10.6	4.2	34.4	50.8	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.4	2.9	.0	.0	.4	.0	.0	7.4	
NE	.0	.0	.0	.0	2.9	2.8	.5	.5	.0	.0	1.9	
E	.0	.0	.0	.0	4.0	2.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.8	.1	.0	.0	.0	.0	1.1	
S	.0	.0	.0	.9	4.5	3.0	.0	.0	.0	.0	1.6	
SW	.5	.1	.5	1.9	6.2	3.7	.4	.0	.0	.0	7.3	
W	.5	.4	.0	7.3	5.8	4.1	1.2	1.1	.5	1.1	7.1	
NW	.0	.0	.0	.1	2.5	2.2	.9	.0	.7	.0	6.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	2	1	1	20	56	34	5	3	3	2	62	
TOT PCT	1.1	.5	.5	10.6	29.6	18.0	2.6	1.6	1.6	1.1	32.8	

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
>5000	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
>3500	6.1	6.6	6.6	6.6	6.6	6.6	6.6	6.6
>2000	16.2	22.7	23.2	23.2	23.2	23.7	23.7	23.7
>1000	29.3	49.0	52.5	53.0	53.0	53.5	53.5	53.5
>600	31.8	54.5	60.6	63.1	63.1	63.6	63.6	63.6
>300	32.8	55.6	61.6	64.1	64.1	64.6	64.6	64.6
>150	32.8	55.6	62.1	64.6	64.6	65.2	65.2	65.2
>0	32.8	55.6	62.1	65.2	65.2	65.7	66.2	66.2
TOTAL	65	110	123	129	129	130	131	131

TOTAL NUMBER OF OBS: 198

PCT FREQ NH <5/8: 33.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
8.0	7.5	6.6	5.2	5.2	6.1	10.8	7.5	42.0	.9	212

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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	.0
	NO PCP	.0	.0	.0	.4	.4	.7	.0	.0	.0	.0	1.4	
	TOT %	.0	.0	.0	.4	.4	.7	.0	.0	.0	.0	1.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.2	.5	.4	.0	.0	.0	1.1	
	TOT %	.0	.0	.0	.0	.2	.5	.4	.0	.0	.0	1.1	
1<2	PCP	.4	.4	.0	.0	.0	.8	.6	.0	.0	.0	2.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	
	TOT %	.4	.4	.0	.0	.0	.8	1.0	.0	.0	.0	2.5	
2<5	PCP	.0	.0	.4	.0	.0	.9	.5	.4	.0	.0	2.1	
	NO PCP	.7	.0	.4	.0	.4	.1	1.7	.0	.0	.0	3.2	
	TOT %	.7	.0	.4	.0	.4	1.0	2.2	.4	.0	.0	5.3	
5<10	PCP	2.0	1.4	1.7	.1	2.0	2.0	2.6	1.1	.0	.0	13.0	
	NO PCP	1.8	1.4	1.8	.8	3.7	9.4	7.2	3.9	.0	.0	29.9	
	TOT %	3.8	2.8	3.4	.9	5.7	11.4	9.9	5.0	.0	.0	43.0	
10+	PCP	.6	.4	.3	.0	.4	.4	1.0	.5	.0	.0	3.5	
	NO PCP	5.6	2.6	.6	.9	3.3	7.3	14.6	8.4	.0	.0	43.3	
	TOT %	6.3	3.0	.9	.9	3.7	7.7	15.6	8.9	.0	.0	46.8	
TOT OBS													284
TOT PCT		11.1	6.2	5.0	2.1	10.3	22.1	29.0	14.3	.0	.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	.0
	4-10	.0	.0	.0	.0	.4	.7	.0	.0	.0	.0	1.1	
	11-21	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.4	.4	.7	.0	.0	.0	.0	1.4	
1/2<1	0-3	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.4	
	4-10	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
	11-21	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.2	.5	.4	.0	.0	.0	1.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	11-21	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.4	.6	.0	.0	.0	1.1	
	TOT %	.4	.4	.0	.0	.0	.8	1.0	.0	.0	.0	2.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.7	.0	.7	.0	.4	.0	.4	.0	.0	.0	2.1	
	22+	.0	.0	.0	.0	.0	1.0	1.8	.4	.0	.0	3.2	
	TOT %	.7	.0	.7	.0	.4	1.0	2.2	.4	.0	.0	5.3	
5<10	0-3	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	
	4-10	.3	.4	1.8	.4	.4	1.5	1.3	.4	.0	.0	6.3	
	11-21	2.8	1.8	.7	.1	2.4	5.0	5.9	3.2	.0	.0	21.8	
	22+	.7	.7	1.0	.4	2.6	4.9	2.6	1.4	.0	.0	14.4	
	TOT %	3.8	2.8	3.4	.9	5.7	11.4	9.8	5.0	.0	.0	42.8	
10+	0-3	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.4	
	4-10	1.2	1.3	.6	.4	.4	1.5	2.3	3.6	.0	.0	11.2	
	11-21	3.9	1.2	.3	.4	2.4	4.0	6.4	6.6	.0	.0	23.2	
	22+	1.1	.8	.0	.1	1.0	2.1	6.6	.6	.0	.0	12.3	
	TOT %	6.2	3.3	.9	.9	3.7	7.6	15.5	8.9	.0	.0	47.0	
TOT OBS													285
TOT PCT		11.1	6.5	5.0	2.1	10.3	22.0	28.9	14.2	.0	.0	100.0	

TABLE 10

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

HRUR (GMT)	000	190	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	.0	10.6	29.8	12.8	.0	.0	4.3	4.3	61.7	38.3	47
06209	4.8	.0	.0	11.9	26.2	11.9	4.8	2.4	.0	.0	61.9	38.1	42
12215	.0	.0	1.7	8.5	32.2	23.7	5.1	1.7	1.7	.0	74.6	25.4	59
18221	.0	1.9	1.9	9.6	28.8	17.3	.0	1.9	.0	.0	61.5	38.5	52
TOT	2	1	2	20	59	34	5	3	3	2	131	69	200
PCT	1.0	.5	1.0	10.0	29.5	17.0	2.5	1.5	1.5	1.0	65.5	34.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00203	.0	.0	2.4	6.0	47.0	44.6	83
06209	3.1	1.6	4.7	6.3	43.8	40.6	64
12215	3.7	2.4	2.4	3.7	37.8	50.0	82
18221	.0	.0	.0	7.5	38.8	53.7	67
TOT	5	3	7	17	124	140	296
PCT	1.7	1.0	2.4	5.7	41.9	47.3	100.0

TABLE 12

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

HRUR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00203	.0	.0	14.9	46.8	38.3	47
06209	4.8	4.8	21.4	42.9	35.7	42
12215	.0	3.4	16.9	57.6	25.4	59
18221	.0	4.0	20.0	46.0	34.0	50
TOT	2	6	36	97	65	198
PCT	1.0	3.0	18.2	49.0	32.8	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
55/59	.0	.0	.0	.0	.4	.0	.0	.0	1	.4
50/54	.0	.0	.0	.0	3.1	2.7	6.6	3.1	40	15.5
45/49	.0	.0	.0	.0	2.7	8.9	16.3	18.2	119	46.1
40/44	.0	.0	.0	.0	2.3	5.4	10.1	15.5	86	32.3
35/39	.0	.0	.0	.0	.8	.4	.4	2.7	11	4.3
30/34	.0	.0	.0	.0	.0	.0	.0	.4	1	.4
TOTAL	0	0	0	0	24	45	86	103	258	100.0
PCT	.0	.0	.0	.0	9.3	17.4	33.3	39.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
50/54	3.7	1.2	.4	.0	.4	1.6	3.8	4.5	.0	.0
45/49	6.0	1.3	2.6	1.4	1.6	6.1	19.7	7.6	.0	.0
40/44	2.2	3.2	.4	.6	5.8	8.9	8.3	3.9	.0	.0
35/39	.0	.0	.4	.0	1.1	2.4	.2	.2	.0	.0
30/34	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
TOTAL	11.9	5.6	3.8	2.3	8.8	19.5	32.0	16.1	.0	.0

TABLE 15

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

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00203	52	51	50	45	37	29	29	44.9	88
06209	54	53	50	45	36	34	34	44.9	72
12215	54	53	51	45	38	35	35	44.8	81
18221	55	54	53	46	39	37	37	46.2	74
TOT	55	54	51	45	38	34	29	45.2	315

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00203	.0	.0	3.8	17.9	43.6	34.6	86	78		
06209	.0	.0	5.2	15.5	25.9	33.4	88	58		
12215	.0	.0	8.7	17.4	31.9	42.0	86	69		
18221	.0	.0	19.4	16.1	30.6	33.9	83	62		
TOT	0	0	24	45	90	108	85	267		

MARCH

PERIOD: (PRIMARY) 1958-1974
(OVER-ALL) 1929-1974

AREA 0017 TIERRA DEL FUEGO
55.2S 65.3W

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	33 36	37 40	41 44	45 48	49 52	53 56	TOT	% FOG	WD FOG
9/10	.0	.0	.0	.0	.4	.0	1	.0	.4
6	.0	.0	.0	.0	.7	.0	2	.4	.4
5	.0	.0	.0	.0	.7	.7	4	.4	1.1
4	.0	.0	.0	1.8	.7	.7	9	.0	3.2
3	.0	.0	.0	1.4	2.5	.0	11	.4	3.5
2	.0	.0	1.8	2.8	1.8	.0	18	.4	6.0
1	.0	.0	3.5	6.4	5.3	.0	43	2.5	12.7
0	.0	.0	3.9	7.8	4.9	.0	47	.7	15.9
-1	.0	.4	2.5	4.6	1.8	.0	26	1.8	7.4
-2	.0	1.8	2.8	6.4	.4	.0	32	.4	11.0
-3	.0	.7	2.8	4.9	.0	.0	24	.4	8.1
-4	.0	1.1	4.2	2.1	.4	.0	22	.0	7.8
-5	.4	1.4	3.5	1.8	.0	.0	20	.7	6.4
-6	.4	1.4	1.1	.4	.0	.0	9	.0	3.2
-7/-8	.7	.7	1.4	.7	.0	.0	10	.7	2.8
-9/-10	.7	1.1	.0	.0	.0	.0	5	.0	1.8
TOTAL	6	24	78	116	55	4	283	24	239
PCT	2.1	8.3	27.6	41.0	19.4	1.4	100.0	8.5	91.5

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	1.0	.0	.0	.0	1.7	.0	2.1	.0	.0	.0	.0	2.1
3-4	.0	.7	2.6	.7	.0	.0	4.0	.0	.0	2.1	2.9	.0	.0	5.0
5-6	.0	.0	1.9	.0	.0	.0	1.9	.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	.7	.0	.0	.7	.0	.0	.0	.2	.0	.0	.2
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	1.0	.0	.0	.0	1.0
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	.0	1.4	6.4	1.4	.0	.0	9.3	.0	2.1	2.1	4.0	.0	.0	8.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	1.0	.0	.0	.0	3.8	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.5
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	.3	.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	2.9	1.9	.0	.0	.0	4.8	.0	1.0	.2	.2	.0	.0	1.4

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	4.5	.0	.0	.0	4.5	.0	2.9	5.0	.0	.0	.0	7.9
3-4	.0	.0	4.5	2.6	.0	.0	7.1	.0	1.9	2.1	.0	.0	.0	4.0
5-6	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	1.0	1.0	1.0	.0	2.9
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	1.0	1.2	.0	.0	2.1
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	.2	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0
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	.0	1.0	10.0	3.6	.0	.0	14.5	.0	4.8	9.0	4.3	1.2	.0	19.3

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.7	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.2	.2
1-2	.0	.0	4.3	.0	.0	.0	4.3	.0	3.8	4.3	.0	.0	.0	8.1	8.1
3-4	.0	1.9	2.6	2.9	.0	.0	7.4	.0	.2	1.0	.2	.0	.0	1.4	1.4
5-6	.0	.0	1.0	1.9	.0	.0	2.9	.0	.0	1.0	.0	.0	.0	1.0	1.0
7	.0	.0	1.7	2.6	.0	.0	4.3	.0	.0	.2	.0	.0	.0	.2	.2
8-9	.0	.0	.0	4.8	.0	.0	4.8	.0	.0	1.0	.0	.0	.0	1.0	1.0
10-11	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	1.0	1.0
12	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	1.0	.0	1.0	1.0
13-16	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.2	.0	.0	.2	.2
17-19	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	1.9	9.5	14.5	1.7	.0	28.3	.2	4.0	7.4	1.4	1.0	.0	14.0	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	1.9	.9	.9	.0	.0	.0	3.8	
1-2	.0	13.2	19.8	.0	.0	.0	33.0	
3-4	.0	4.7	15.1	9.4	.0	.0	29.2	
5-6	.0	.0	5.7	3.8	.9	.0	10.4	
7	.0	.0	3.8	3.2	.0	.0	7.5	
8-9	.0	.0	.9	5.7	.0	.0	6.6	
10-11	.0	.0	.0	1.9	.0	.0	1.9	
12	.0	.0	.0	.9	1.9	.0	2.8	
13-16	.0	.0	.0	1.9	.0	.0	1.9	
17-19	.0	.0	.0	.9	.0	.0	.9	
20-22	.0	.0	.0	.9	.9	.0	1.9	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	18.9	46.2	29.2	3.8	.0	100.0	106

TABLE 19

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

PERIOD (SEC)	<6	6-7	8-9	10-11	12-13	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	19.0	14.4	5.9	3.3	4.6	.7	2.0	.7	.7	.0	.0	.0	.0	.0	.0	79	4
6-7	.0	.7	8.5	4.6	3.3	1.3	.7	.0	2.6	.0	.0	.0	.0	.0	.0	.0	39	6
8-9	.0	.7	3.3	.7	1.3	2.0	.7	.0	.7	.7	.0	.0	.0	.0	.0	.0	16	8
10-11	.0	.0	.0	.7	.7	.0	.0	.7	.7	.7	.0	.0	.0	.0	.0	.0	5	10
12-13	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
>13	.0	.0	.0	.7	.7	.7	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	7	13
INDET	2.0	.0	2.0	1.3	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
TOTAL	4	31	43	21	16	13	6	4	8	3	4	0	0	0	0	0	159	6
PCT	2.6	20.3	28.1	13.7	10.5	8.5	3.9	2.6	5.2	2.0	2.6	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1927-1974

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54.95 65.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	2.8	8.3	2.8	.0	.0	.0	.0	13.8	.0	.0	14.5	2.8	.0	.0	69.0
NE	6.2	7.8	3.1	.0	1.6	.0	.0	18.6	.0	.0	29.5	.0	.0	.0	51.9
E	24.7	14.8	.0	.0	4.9	.0	.0	42.0	.0	.0	27.2	.0	.0	.0	30.9
SE	.0	5.0	.0	.0	5.0	.0	.0	5.0	.0	.0	60.0	.0	.0	.0	35.0
S	.0	.0	.0	.0	26.3	.0	.0	26.3	.0	.0	5.3	.0	.0	.0	68.4
SW	.0	.0	.0	.0	7.1	.0	.0	15.7	.0	.0	1.4	.0	.0	.0	82.9
W	4.8	5.3	.0	.0	.0	.0	.0	10.1	.0	.0	10.6	.0	.0	.0	79.3
NW	5.2	7.4	5.9	.0	.0	.0	.0	18.5	.0	.0	23.0	.0	.0	.0	58.5
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	.0	.0	100.0
TOT PCT	5.3	6.2	1.8	.0	3.1	.0	1.3	17.3	.0	.0	17.8	.4	.0	.0	64.4
TOT OBS:	225														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	5.9	7.4	1.5	.0	7.4	.0	2.9	23.5	.0	.0	19.1	1.5	.0	.0	55.9
06009	6.7	8.9	.0	.0	.0	.0	4.4	20.0	.0	.0	17.8	.0	.0	.0	62.2
12015	4.2	5.6	2.8	.0	2.8	.0	.0	15.3	.0	.0	18.1	.0	.0	.0	66.7
18021	4.3	2.2	2.2	.0	.0	.0	.0	8.7	.0	.0	15.2	.0	.0	.0	76.1
TOT PCT	5.2	6.1	1.7	.0	3.0	.0	1.7	17.3	.0	.0	17.7	.4	.0	.0	64.5
TOT OBS:	231														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.4	2.6	8.4	4.5	.4	.0	16.3	17.3	20.7	19.0	17.3	20.5	16.1	10.9	6.7	13.9
NE	.0	3.5	9.0	1.7	.2	.0	14.4	15.0	15.9	22.4	3.8	18.2	10.1	15.6	.0	16.7
E	.4	2.7	2.6	1.9	1.0	.0	8.6	17.6	12.2	10.3	3.8	10.6	7.7	4.7	.0	11.1
SE	.8	2.5	.8	.2	.0	.0	4.4	7.9	2.4	3.4	3.8	6.1	4.8	6.3	6.7	2.8
S	.0	2.3	1.7	.6	.4	.0	5.0	14.2	3.7	5.2	3.8	4.5	6.0	1.6	19.3	5.6
SW	.8	1.5	6.3	6.4	1.6	.0	16.6	21.5	11.0	12.9	38.5	18.2	15.5	14.1	31.7	13.9
W	.0	4.9	5.5	5.9	2.8	.4	19.5	21.4	25.6	18.1	21.2	11.4	14.9	26.6	26.7	16.7
NW	.4	1.2	8.4	4.6	.2	.0	14.8	18.2	8.5	8.6	7.7	7.6	25.0	20.3	15.0	19.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.0	.0	.0	3.0	.0	.0	.0	.0
TOT OBS	8	51	103	62	16	1	241	18.0	41	29	13	33	42	32	15	36
TOT PCT	3.3	21.2	42.7	25.7	6.6	.4	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.2	6.1	7.5	1.5	.0	16.3	17.3	20.0	19.6	13.9	11.8	
NE	1.5	6.5	6.0	.2	.2	14.4	15.0	18.6	14.1	12.5	11.8	
E	2.3	1.3	3.7	.2	1.0	8.6	17.6	11.4	8.7	6.4	7.8	
SE	2.7	1.0	.6	.0	.0	4.4	7.9	2.9	5.4	5.4	3.9	
S	1.9	1.7	.6	.8	.0	5.0	14.2	4.3	4.3	4.1	7.8	
SW	1.2	4.8	4.3	5.5	.8	16.6	21.5	11.8	23.9	14.9	19.1	
W	1.5	7.1	3.8	5.7	1.5	19.5	21.4	22.8	14.1	19.8	19.6	
NW	1.0	5.1	6.2	2.3	.2	14.8	18.2	8.6	7.6	23.0	18.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4					.4	.0	.0	2.2	.0	.0	
TOT OBS	33	81	79	39	9	241	18.0	70	46	76	51	
TOT PCT	13.7	33.6	32.8	16.2	3.7	100.0		100.0	100.0	100.0	100.0	

APRIL

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1922-1974

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.0	1.4	17.1	41.4	27.1	11.4	1.4	20.2	100.0	70
06009	2.2	.0	30.4	28.3	26.1	13.0	.0	19.0	100.0	46
12015	.0	4.1	21.6	45.9	27.0	1.4	.0	16.9	100.0	74
18021	.0	5.9	17.6	52.9	21.6	2.0	.0	15.7	100.0	51
TOT	1	7	51	103	62	16	1	18.0		241
PCT	.4	2.9	21.2	42.7	25.7	6.6	.4	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	1.1	4.0		7.7
E	.0	.0	1.1	1.7		7.6
SE	.0	2.3	.0	.0		4.0
S	.0	.0	4.5	.0		6.0
SW	6.0	2.8	10.2	2.8		4.3
W	5.7	4.0	13.6	15.3		6.0
NW	.0	2.3	2.3	3.4		6.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT CBS	6	9	17	16	44	5.9
TOT PCT	13.6	11.4	38.6	36.4	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	1.7	.0	.0	.0	.0	4.5	.0	.0	1.1	.0	7.4	70
NE	2.3	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	46
E	.0	.0	.0	.0	1.7	.0	1.1	.0	.0	.0	.0	74
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	51
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	74
SW	.0	.0	.0	.0	3.4	2.3	2.3	.0	.0	.0	15.8	46
W	.0	.0	.0	.0	7.4	5.7	9.1	.0	.0	.0	16.5	74
NW	.6	.0	.0	.0	.6	1.1	.0	1.1	.0	.0	4.5	51
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51
TOT CBS	2	0	0	0	6	6	0	1	0	0	23	241
TOT PCT	4.5	.0	.0	.0	13.6	13.6	0	2.3	.0	52.3	100.0	44

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
>3000	.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
>1500	.0	13.6	15.9	15.9	15.9	15.9	15.9	15.9
>7000	4.5	27.3	29.5	29.5	29.5	29.5	29.5	29.5
>1000	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
>600	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
>300	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
>150	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
>0	13.6	40.9	43.2	43.2	43.2	47.7	47.7	47.7
TOTAL	6	18	19	19	19	21	21	21

TOTAL NUMBER OF OBS: 44

PCT FREQ NH <5/8: 52.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
17.3	5.8	9.6	3.8	9.6	7.7	5.8	7.7	30.8	1.9	52

PERIOD: (PRIMARY) 1927-1974
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APRIL

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54.9S 65.2W

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
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
	TOT %	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
1/2<1	PCP	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.9
	NO PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
	TOT %	.9	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.3
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.4	.4	.0	.0	.0	.0	.7	.2	.0	.0	.0	1.8
	NO PCP	.0	.7	.7	.0	.0	.2	.2	.4	.0	.0	.0	2.2
	TOT %	.4	1.1	.7	.0	.0	.2	.9	.7	.0	.0	.0	4.0
5<10	PCP	.9	2.0	3.6	.2	1.1	2.5	1.5	2.1	.0	.0	.0	13.9
	NO PCP	9.4	8.5	3.6	3.8	1.8	8.4	11.9	10.0	.0	.4	.0	57.8
	TOT %	10.3	10.5	7.2	4.0	2.9	10.9	13.3	12.1	.0	.4	.0	71.7
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	3.8	2.1	1.0	.4	1.3	4.6	6.8	1.8	.0	.0	.0	22.0
	TOT %	3.8	2.1	1.0	.4	1.3	4.6	6.8	1.8	.0	.0	.0	22.0
TOT OBS													223
TOT PCT		15.8	14.2	8.9	4.5	4.3	15.7	21.1	15.1	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
1/2<1	0-3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
	TOT %	.9	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.3
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.7	.2	.0	.0	.2	.2	.0	.0	.0	.0	1.3
	22+	.4	.4	.4	.0	.0	.0	.7	.2	.0	.0	.0	2.2
	TOT %	.4	1.1	.7	.0	.0	.2	.9	.7	.0	.0	.0	4.0
5<10	0-3	.0	.0	.4	.9	.0	.4	.0	.0	.0	.4	.0	2.2
	4-10	2.5	3.6	2.2	2.2	.7	.4	2.1	1.0	.0	.0	.0	14.8
	11-21	4.3	3.8	2.2	.7	1.1	2.2	2.7	7.8	.0	.0	.0	26.9
	22+	3.6	1.1	2.2	.2	1.1	7.7	8.5	3.3	.0	.0	.0	27.8
	TOT %	10.3	10.5	7.2	4.0	2.9	10.9	13.3	12.1	.0	.4	.0	71.7
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.3	.2	.7	.4	.9	.7	3.1	.3	.0	.0	.0	6.7
	11-21	3.1	1.9	.3	.0	.4	3.5	3.0	.7	.0	.0	.0	13.0
	22+	.3	.0	.0	.0	.0	.4	.7	.8	.0	.0	.0	2.2
	TOT %	3.8	2.1	1.0	.4	1.3	4.6	6.8	1.8	.0	.0	.0	22.0
TOT OBS													223
TOT PCT		15.8	14.2	8.9	4.5	4.3	15.7	21.1	15.1	.0	.4	100.0	

TABLE 10

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

HR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 6999	5000 8499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	22.2	11.1	22.2	.0	.0	.0	55.6	44.4	9
06009	.0	.0	.0	.0	.0	12.5	12.5	.0	12.5	.0	37.5	62.5	8
12015	12.5	.0	.0	.0	12.5	12.5	12.5	.0	.0	.0	50.0	50.0	16
18021	.0	.0	.0	.0	16.7	16.7	8.3	.0	.0	.0	41.7	58.3	12
TOT	2	0	0	0	6	6	6	0	1	0	21	24	45
PCT	4.4	.0	.0	.0	13.3	13.3	13.3	.0	2.2	.0	46.7	53.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	1.5	.0	6.0	73.1	19.4	67
06009	.0	.0	.0	2.3	72.7	25.0	44
12015	2.8	1.4	.0	4.2	73.6	18.1	72
18021	.0	2.2	.0	2.2	67.4	28.3	46
TOT	2	3	0	9	165	50	229
PCT	.9	1.3	.0	3.9	72.1	21.8	100.0

TABLE 12

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

HR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	55.6	44.4	9
06009	.0	.0	.0	37.5	62.5	8
12015	12.5	12.5	18.8	31.3	50.0	16
18021	.0	.0	.0	49.5	54.5	11
TOT	2	2	3	18	23	44
PCT	4.5	4.5	6.8	40.9	52.3	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
55/59	.0	.0	.0	.0	.0	.0	.5	.0	1	.5
50/54	.0	.0	.0	.0	1.0	.5	1.5	.5	7	3.6
45/49	.0	.0	.0	.0	1.0	8.7	11.2	11.7	64	32.7
40/44	.0	.0	.0	.0	3.1	6.6	18.3	17.3	85	43.4
35/39	.0	.0	.0	.0	1.5	4.6	3.6	7.7	34	17.3
30/34	.0	.0	.0	.0	.0	.5	1.0	1.0	5	2.6
TOTAL	0	0	0	0	13	41	67	75	196	100.0
PCT	.0	.0	.0	.0	6.6	20.9	34.2	38.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
50/54	.3	1.0	.0	.0	.5	.0	.0	1.8	.0	.0
45/49	7.9	3.8	1.8	.0	1.5	1.8	8.5	7.3	.0	.0
40/44	4.6	8.2	3.1	1.8	.3	11.7	10.8	2.9	.0	.0
35/39	1.8	2.6	4.1	2.0	1.8	2.8	1.8	.0	.0	.5
30/34	.0	.0	.8	1.0	.5	.3	.0	.0	.0	.0
TOTAL	14.5	15.7	10.1	4.8	4.6	16.6	21.2	12.0	.0	.5

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	53	52	49	44	36	34	34	43.1	73
06009	49	48	48	42	36	34	34	42.3	50
12015	57	56	49	44	37	33	33	44.0	81
18021	53	52	51	45	38	35	35	45.0	53
TOT	57	53	49	44	37	34	33	43.6	257

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	6.7	23.3	31.7	38.3	86	60
06009	.0	.0	7.7	17.9	35.9	38.5	85	39
12015	.0	.0	6.3	15.9	38.1	39.7	86	63
18021	.0	.0	7.5	27.5	30.0	35.0	84	40
TOT	0	0	14	42	69	77	85	202

APRIL

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1922-1974

AREA 0017 TIERRA DEL FUEGO
54.95 65.28

TABLE 17

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

AIR-SEA TMP DIF	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	W FOG	WD FOG
7/8	.0	.0	.5	.0	.0	.5	.5	3	.0	1.4
6	.0	.0	.0	.0	.5	.0	.0	1	.0	.5
5	.0	.0	.0	.0	.5	.0	.0	1	.0	.5
4	.0	.0	.0	.5	.9	.0	.0	3	.5	.9
3	.0	.0	3.3	2.8	1.4	.0	.0	16	.9	6.6
2	.0	.0	3.8	3.8	2.3	.0	.0	21	1.4	8.5
1	.0	.5	3.8	6.6	.0	.0	.0	23	2.3	8.5
0	.0	.9	4.7	5.2	1.9	.0	.0	27	2.8	9.9
-1	.0	.5	7.5	4.7	.0	.0	.0	27	2.8	9.9
-2	.0	2.3	3.3	5.2	.0	.0	.0	23	1.9	8.9
-3	.0	1.4	2.8	1.4	.0	.0	.0	12	.5	5.2
-4	.0	3.3	3.8	.0	.0	.0	.0	15	.5	6.6
-5	.9	2.8	2.8	.0	.0	.0	.0	14	1.9	4.7
-6	.5	1.9	1.4	.0	.0	.0	.0	8	1.9	1.9
-7/-8	3.3	5.2	.0	.0	.0	.0	.0	18	1.9	6.6
-9/-10	.5	.0	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	11	40	80	64	16	1	1	213	41	172
PCT	5.2	18.8	37.6	30.0	7.5	.5	.5	100.0	19.2	80.8

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	7.5	7.5	.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	10.0	.0	.0	.0	10.0	.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	.0	7.5	27.5	.0	.0	.0	35.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	20.0		1-3	4-10	11-21	22-33	34-47	48+	20.0		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	10.0	10.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	10.0	.0	.0	.0	10.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	10.0	.0	.0	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	20.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	7.5		1-3	4-10	11-21	22-33	34-47	48+	7.5		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.5	.0	.0	.0	.0	5.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	7.5	.0	.0	7.5	.0	.0	.0	2.5	.0	.0	.0	2.5	.0	2.5
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	7.5	.0	.0	7.5	.0	.0	2.5	2.5	2.5	.0	.0	.0	7.5	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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	10.0	10.0	.0	.0	.0	20.0	.0
3-4	.0	20.0	20.0	.0	.0	.0	40.0	.0
5-6	.0	.0	10.0	.0	.0	.0	10.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	10.0	.0	.0	10.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	10.0	.0	.0	10.0	.0
17-19	.0	.0	.0	10.0	.0	.0	10.0	.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	.0	30.0	40.0	30.0	.0	.0	100.0	10

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	.0	3.3	6.7	3.3	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
8-9	.0	.0	10.0	3.3	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
10-11	.0	.0	.0	3.3	3.3	6.7	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	10
12-13	.0	3.3	.0	.0	.0	.0	3.3	6.7	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
>13	.0	.0	6.7	3.3	.0	.0	6.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
INDET	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
TOTAL	.0	2	7	4	1	2	4	3	4	1	2	0	0	0	0	0	0	0	0	0	30	8
PCT	.0	6.7	23.3	13.3	3.3	6.7	13.3	10.0	13.3	3.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1923-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
N	16.7	8.3	6.3	.0	.0	.0	.0	31.3	.0	.0	29.2	.0	.0	.0	39.6
NE	4.3	.0	17.4	.0	.0	.0	.0	21.7	.0	.0	34.8	.0	.0	.0	43.5
E	23.8	.0	.0	.0	.0	.0	.0	23.8	.0	.0	9.5	.0	.0	.0	66.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	85.7
S	.0	.0	2.4	.0	3.6	.0	2.4	8.4	.0	.0	19.3	.0	.0	.0	72.3
SW	6.2	3.1	7.8	.0	.8	.0	9.3	27.1	3.9	.0	12.4	.0	.0	.0	56.6
W	7.7	9.4	2.6	.0	1.7	.0	4.3	25.5	3.0	.0	7.7	.0	.0	.0	63.8
NW	1.3	11.9	5.3	.0	.0	.0	.0	18.5	.0	.0	10.6	.0	2.6	.0	88.2
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	.0	.0	.0	.0	.0	.0
TOT PCT	7.1	6.5	5.0	.0	1.0	.0	3.0	22.6	1.5	.0	14.6	.0	.5	.0	60.8
TOT OBS:	199														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
06003	6.8	1.7	3.4	.0	.0	.0	3.4	15.9	1.7	.0	20.3	.0	.0	.0	62.7
06009	9.3	18.6	7.0	.0	2.3	.0	2.3	39.5	2.3	.0	11.6	.0	.0	.0	46.5
12015	4.8	6.5	6.5	.0	1.6	.0	3.2	22.6	1.6	.0	11.3	.0	1.6	.0	62.9
18021	6.5	4.3	4.3	.0	.0	.0	2.2	17.4	.0	.0	15.2	.0	.0	.0	67.4
TOT PCT	6.7	7.1	5.2	.0	1.0	.0	2.9	22.9	1.4	.0	14.8	.0	.5	.0	60.5
TOT OBS:	210														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	4.4	2.8	3.7	.5	.0	11.1	17.2	7.0	9.5	5.6	18.0	8.1	12.5	17.4	14.6
NE	.0	2.3	2.1	1.4	.0	.0	5.8	13.6	4.7	14.3	8.3	10.0	1.2	.0	6.5	6.3
E	.0	1.2	.5	2.8	.5	.0	4.8	21.9	7.0	.0	11.1	.0	3.5	.0	17.4	.0
SE	.0	1.4	.2	.0	.0	.0	1.6	7.4	1.2	2.4	5.6	.0	2.3	.0	2.2	.0
S	.5	3.2	3.9	2.3	.3	.0	10.3	14.7	12.8	16.7	2.8	8.0	12.2	.0	13.0	10.4
SW	2.3	4.4	9.7	1.8	.3	.0	18.5	12.8	21.5	7.1	31.9	12.0	15.7	17.5	21.7	22.9
W	.3	6.9	12.2	6.5	1.0	1.6	28.7	18.8	23.8	23.8	26.4	26.0	36.6	45.0	17.4	31.3
NW	.0	2.5	10.8	3.1	.6	.2	19.2	18.8	22.1	26.2	8.3	28.0	20.3	25.0	4.3	14.6
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	.0	.0	.0	.0
TOT OBS	7	57	81	51	7	4	217	16.8	43	21	18	25	43	20	23	24
TOT PCT	3.2	26.3	41.9	23.5	3.2	1.8	100.0	16.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	.9	5.3	2.1	2.8	.0	11.1	17.2	7.8	12.8	9.5	16.0
NE	.9	3.5	1.2	.2	.0	5.8	13.6	7.8	9.3	.8	6.4
E	.9	.7	1.2	2.1	.0	4.8	21.9	4.7	4.7	2.4	8.5
SE	.9	.7	.0	.0	.0	1.6	7.4	1.6	2.3	1.6	1.1
S	2.3	3.7	3.9	.0	.3	10.3	14.7	14.1	5.8	8.3	11.7
SW	4.1	9.1	5.0	.0	.3	18.5	12.8	16.8	20.3	16.3	22.3
W	2.3	11.9	9.6	2.6	2.3	28.7	18.8	23.8	25.0	39.3	24.5
NW	.5	6.2	10.4	1.5	.7	19.2	18.8	23.4	19.8	21.8	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	28	89	72	20	8	217	16.8	64	43	63	47
TOT PCT	12.9	41.0	33.2	9.2	3.7	100.0	16.8	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1923-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.4S 65.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+				
00003	.0	4.7	26.6	40.6	25.0	3.1	.0	16.1	100.0	64	
06009	.0	2.3	34.9	30.2	27.9	.0	4.7	16.9	100.0	43	
12015	.0	3.2	23.8	44.4	20.6	4.8	3.2	17.6	100.0	63	
18021	.0	2.1	21.3	51.1	21.3	4.3	.0	16.4	100.0	47	
TOT	.0	7	57	91	51	7	4	16.8		217	
PCT	.0	3.2	26.3	41.9	23.5	3.2	1.8	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8 B	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	1.2	8.0	8.0
E	.0	.0	1.2	7.0	7.7	7.7
SE	1.2	.0	1.2	4.7	6.3	6.3
S	1.2	2.3	9.3	1.2	5.1	5.1
SW	11.6	2.3	2.3	2.3	2.6	2.6
W	12.8	5.8	7.0	6.4	4.0	4.0
NW	5.8	2.3	2.3	.6	3.1	3.1
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	16	6	11	10	43	4.2
TOT PCT	37.2	14.0	25.6	23.3	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1
.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	3.5	1.2	2.3	.0	.0	.0	1.2	.0
.0	.0	.0	.0	1.2	1.2	2.3	.0	.0	.0	1.2	1.2
.0	.0	.0	.0	3.5	.0	4.7	.0	2.3	.0	3.5	3.5
.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	14.0	14.0
.0	.0	.0	.0	6.4	4.7	.0	.0	.0	.0	20.9	20.9
.0	.0	.0	.0	.6	.0	2.3	.0	.0	.0	8.1	8.1
.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	.8	.4	.5	.0	.1	.1	2.4	4.3
.0	.0	.0	.0	18.6	9.3	11.6	.0	2.3	2.3	55.8	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>5000	.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
>3000	.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
>2000	2.0	18.4	18.4	18.4	18.4	18.4	18.4	18.4
>1000	8.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5
>600	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
>300	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
>150	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
>0	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
TOTAL	8	21	21	21	21	21	21	21

TOTAL NUMBER OF OBS: 49

PCT FREQ NH <5/8: 57.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	8 OBSCD	TOTAL OBS
30.5	8.5	1.7	1.7	5.1	3.4	11.9	11.9	23.4	.0	59

PERIOD: (PRIMARY) 1927-1969
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MAY

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	.5
	TOT %	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	.5
2<5	PCP	.3	.5	.8	.0	.0	.5	.3	.3	.0	.0	2.5	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.3	.5	.8	.0	.0	.5	.3	.3	.0	.0	2.5	2.5
5<10	PCP	3.5	.8	.5	.0	.5	3.5	5.3	3.0	.0	.0	17.2	.0
	NO PCP	4.3	4.5	3.0	1.8	8.6	7.6	9.1	11.1	.0	.0	52.0	.0
	TOT %	9.8	5.3	3.5	1.8	9.1	11.1	14.4	14.1	.0	.0	69.2	.0
10+	PCP	.0	.0	.0	.0	.0	.3	2.0	.3	.0	.0	2.5	.0
	NO PCP	2.0	.0	.5	.0	1.0	4.3	13.0	3.9	.0	.0	24.7	.0
	TOT %	2.0	.0	.5	.0	1.0	4.5	13.0	4.2	.0	.0	27.3	.0
TOT OBS													198
TOT PCT		12.1	5.8	5.3	1.8	10.1	16.2	29.7	19.1	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.3	.3	.0	.0	.0	.0	.3	.3	.0	.0	1.0	.0
	11-21	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.5	.5
	22+	.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	1.0	.0
	TOT %	.3	.3	.8	.0	.0	.5	.3	.3	.0	.0	2.5	2.5
5<10	0-3	.0	.0	.0	.0	.5	.5	.0	.0	.0	.0	1.0	.0
	4-10	3.5	1.8	1.3	1.5	3.3	1.5	1.5	.8	.0	.0	15.2	.0
	11-21	1.8	2.3	.5	.3	2.8	6.8	6.1	7.8	.0	.0	28.3	.0
	22+	4.5	1.3	1.8	.0	2.5	2.3	6.8	5.6	.0	.0	24.7	.0
	TOT %	9.8	5.3	3.5	1.8	9.1	11.1	14.4	14.1	.0	.0	69.2	.0
10+	0-3	.0	.0	.0	.0	1.5	.5	.0	.0	.0	.0	2.0	.0
	4-10	1.0	.0	.0	.0	1.0	4.8	.3	.0	.0	.0	7.1	.0
	11-21	1.0	.0	.0	.0	1.0	2.0	6.6	3.0	.0	.0	13.6	.0
	22+	.0	.0	.5	.0	.0	.0	3.2	.9	.0	.0	4.5	.0
	TOT %	2.0	.0	.5	.0	1.0	4.5	13.0	4.2	.0	.0	27.3	.0
TOT OBS													198
TOT PCT		12.1	5.8	5.3	1.8	10.1	16.2	29.7	19.1	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1977-1969
(OVER-ALL) 1973-1969

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	9.1	.0	18.2	.0	.0	9.1	36.4	63.6	11
06009	.0	.0	.0	.0	9.1	9.1	9.1	.0	.0	.0	27.3	72.7	11
12015	.0	.0	.0	.0	13.3	20.0	6.7	.0	6.7	.0	46.7	53.3	15
18021	.0	.0	.0	.0	33.3	.0	25.0	.0	.0	.0	58.3	41.7	12
TOT	0	0	0	0	8	4	7	0	1	1	21	28	49
PCT	.0	.0	.0	.0	16.3	8.2	14.3	.0	2.0	2.0	42.9	57.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	78.0	22.0	59
06009	.0	.0	.0	4.7	76.7	18.6	43
12015	.0	.0	1.6	3.3	60.7	34.4	61
18021	.0	2.2	.0	2.2	63.0	32.6	46
TOT	0	1	1	5	145	57	209
PCT	.0	.5	.5	2.4	69.4	27.3	100.0

TABLE 12

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

HR (GMT)	<150 <30YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	36.4	63.6	11
06009	.0	.0	.0	27.3	72.7	11
12015	.0	.0	.0	46.7	53.3	15
18021	.0	.0	.0	58.3	41.7	12
TOT	0	0	0	21	28	49
PCT	.0	.0	.0	42.9	57.1	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
45/49	.0	.0	.0	.7	.0	6.6	11.7	11.7	42	30.7
40/44	.0	.0	.0	.0	1.5	10.2	20.4	16.8	67	48.9
35/39	.0	.0	.0	.0	.0	2.2	6.6	6.6	21	15.3
30/34	.0	.0	.0	.0	.0	2.2	1.5	1.5	7	5.1
TOTAL	0	0	0	1	2	29	55	50	137	100.0
PCT	.0	.0	.0	.7	1.5	21.2	40.1	36.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
8.0	3.3	.0	.0	1.5	2.6	5.5	9.9	.0	.0
4.4	2.2	1.1	.0	1.5	10.6	21.0	8.2	.0	.0
1.8	.0	.7	.0	2.9	3.6	5.1	1.1	.0	.0
.0	.0	.0	.0	3.6	1.1	.4	.0	.0	.0
14.2	5.5	1.8	.0	9.5	17.9	31.9	19.2	.0	.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	48	47	47	42	32	31	31	40.9	67
06009	48	47	47	40	32	32	32	40.3	47
12015	50	49	48	42	33	31	31	41.5	68
18021	49	48	48	42	33	32	32	41.8	49
TOT	50	49	48	42	32	31	31	41.1	231

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.4	.0	24.4	24.4	48.8	86	41
06009	.0	.0	.0	25.0	32.1	42.9	86	28
12015	.0	.0	.0	17.1	48.8	34.1	85	41
18021	.0	.0	6.5	16.1	51.6	25.8	84	31
TOT	0	1	2	29	95	54	85	141

MAY

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1923-1969

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

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	29 32	33 36	37 40	41 44	45 48	49 52	TOT	N FOG	WD FOG
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.0	1.5	.0	3	.0	1.5
6	.0	.0	.0	.0	1.0	.0	2	.0	1.0
5	.0	.0	.5	.0	3.0	.5	8	.5	3.5
4	.0	.0	.0	1.0	2.0	.0	6	.0	3.0
3	.0	.0	.5	1.5	2.0	.0	8	1.0	3.0
2	.0	.0	.5	3.0	2.5	.5	13	1.0	5.5
1	.0	.0	.0	5.0	2.0	.0	14	1.5	5.4
0	.0	.0	1.0	8.4	4.5	.5	29	5.0	9.4
-1	.0	1.5	4.0	4.0	2.0	.0	23	1.0	10.4
-2	.0	.0	4.5	4.5	1.5	.0	21	1.5	8.9
-3	.0	.0	1.5	4.0	.0	.0	11	1.0	4.5
-4	.0	1.0	3.5	3.0	.5	.0	16	1.0	6.9
-5	.0	1.0	2.0	1.5	.5	.0	10	.0	5.0
-6	.0	3.0	2.0	1.0	.5	.0	13	.5	5.9
-7/-8	1.0	4.5	1.5	.5	.5	.0	16	1.0	6.9
-9/-10	2.5	1.0	.0	.5	.0	.0	8	.5	3.5
TOTAL	7	24	43	76	48	4	202	31	171
PCT	3.5	11.9	21.3	37.6	23.8	2.0	100.0	15.3	84.7

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	100.0	.0	.0	100.0	.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	.0	.0	.0
10-11	.0	.0	.0	.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	.0	.0	.0
13-16	.0	.0	.0	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	100.0	.0	.0	100.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	.0	.0	100.0	.0	.0	100.0	1

PERIOD: (OVER-ALL) 1950-1969

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	.0	32.5	15.0	2.5	5.0	2.5	7.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27
6-7	.0	.0	2.5	2.5	5.0	2.5	2.5	.0	.0	2.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
8-9	.0	.0	.0	.0	2.5	2.5	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	0
INDET	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
TOTAL	.0	13	7	2	5	3	5	1	1	1	1	1	0	1	0	0	0	0	0	0	40
PCT	.0	32.5	17.5	5.0	12.5	7.5	12.5	2.5	2.5	2.5	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	7

JUNE

PERIOD: (PRIMARY) 1924-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
55.15 65.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	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	NO SIG WEA
N	4.1	.0	.0	.0	.0	.0	.0	4.1	.0	.0	2.0	.0	.0	.0	93.9
NE	.0	.0	.0	.0	4.5	.0	9.1	13.6	.0	.0	.0	.0	.0	.0	86.4
E	17.4	.0	.0	.0	8.7	.0	.0	26.1	.0	.0	.0	.0	.0	.0	73.9
SE	32.6	9.3	.0	.0	9.3	.0	.0	46.5	.0	.0	18.6	.0	.0	.0	34.9
S	7.1	7.1	.0	.0	14.3	.0	.0	21.4	.0	.0	.0	.0	.0	.0	78.6
SW	2.6	5.1	2.6	.0	25.6	.0	.0	35.9	.0	.0	15.4	.0	.0	.0	48.7
W	7.4	3.7	14.8	.0	7.4	.0	.0	33.3	.0	.0	18.5	.0	.0	.0	48.1
NW	1.9	.0	13.0	.0	.0	.0	.0	14.8	.0	.0	14.8	.0	.0	.0	70.4
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	.0	.0	.0	100.0
TOT PCT	6.6	2.5	4.9	.0	7.4	.0	.8	21.3	.0	.0	9.8	.0	.0	.0	68.9
TOT OBS:	122														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	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	NO SIG WEA
00003	2.9	5.7	5.7	.0	.0	.0	.0	14.3	.0	.0	8.6	.0	.0	.0	77.1
06009	8.3	4.2	8.3	.0	4.2	.0	.0	25.0	.0	.0	4.2	.0	.0	.0	70.8
12015	7.7	.0	7.6	.0	15.4	.0	2.6	25.6	.0	.0	15.4	.0	.0	.0	59.0
18021	6.7	3.3	3.3	.0	6.7	.0	.0	20.0	.0	.0	6.7	.0	.0	.0	73.3
TOT PCT	6.3	3.1	4.7	.0	7.0	.0	.8	21.1	.0	.0	9.4	.0	.0	.0	69.5
TOT OBS:	128														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.8	6.4	8.0	3.8	.8	.0	19.7	15.7	31.6	28.6	28.6	16.7	22.8	7.9	15.9	11.9
NE	.0	3.0	5.9	.0	.0	.0	8.5	12.7	13.2	3.6	14.3	11.1	4.3	7.9	2.3	11.9
E	.8	1.5	2.8	.0	.0	.0	5.1	9.9	5.3	14.3	.0	5.6	.0	7.9	6.8	2.4
SE	.4	3.0	3.4	2.3	.0	.0	9.1	14.3	13.2	7.1	3.6	8.3	10.9	13.2	11.4	2.4
S	.4	1.1	3.2	1.1	.4	.0	6.3	16.3	.0	7.1	10.7	8.3	6.5	2.6	9.1	9.5
SW	.4	3.0	8.0	3.4	1.1	.0	15.9	18.0	5.3	.0	28.6	8.3	19.6	15.8	36.4	23.8
W	1.1	2.3	5.3	2.8	.8	.0	12.3	16.3	10.5	14.3	14.3	15.3	6.5	18.4	9.1	11.9
NW	.0	6.1	10.8	4.0	.0	.0	20.8	14.4	21.1	25.0	.0	26.4	20.7	21.1	9.1	26.2
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	2.3	.0	.0	.0	.0	.0	8.7	5.3	.0	.0
TOT OBS	8	35	62	23	4	0	132	14.9	19	14	7	18	23	19	11	21
TOT PCT	6.1	26.5	47.0	17.4	3.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.7	8.0	7.2	1.1	.8	19.7	15.7	30.3	20.0	16.1	13.3
NE	.0	6.4	2.1	.0	.0	8.5	12.7	9.1	12.0	6.0	8.6
E	2.3	2.1	.8	.0	.0	5.1	9.9	9.1	4.0	3.6	3.9
SE	1.9	3.0	4.2	.0	.0	9.1	14.3	10.6	7.0	11.9	5.5
S	1.1	1.7	2.7	.8	.0	6.3	16.3	3.0	9.0	4.8	9.4
SW	1.1	6.1	5.3	3.4	.0	15.9	18.0	3.0	14.0	17.9	28.1
W	1.1	8.1	3.6	1.5	.0	12.3	16.3	12.1	15.0	11.9	10.9
NW	1.9	12.1	6.1	.8	.0	20.8	14.4	22.7	19.0	20.8	20.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3	.0	.0	.0	.0	2.3	.0	.0	.0	7.1	.0
TOT OBS	19	60	42	10	1	132	14.9	33	25	42	32
TOT PCT	14.4	45.5	31.8	7.6	.8	100.0		100.0	100.0	100.0	100.0

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(OVER-ALL) 1922-1969

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	30.3	57.6	9.1	3.0	.0	14.3	100.0	33
06009	.0	8.0	32.0	36.0	24.0	.0	.0	14.5	100.0	25
12015	7.1	4.8	21.4	38.1	23.8	4.8	.0	15.9	100.0	42
18021	.0	3.1	25.0	56.3	12.5	3.1	.0	14.5	100.0	22
TOT	3	5	35	62	23	4	0	14.9		122
PCT	2.3	3.8	26.5	47.0	17.4	3.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0		.0
E	.0	.0	7.5	.0		5.0
SE	10.0	.0	2.5	.0		2.6
S	.0	.0	.0	.0		.0
SW	10.0	.0	10.0	15.0		5.1
W	.0	.0	.0	5.0		8.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	0	3	5	10	5.9
TOT PCT	20.0	.0	30.0	50.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	30.0	10.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0
SE	10.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	10.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	10.0	.0	.0	10.0	15.0	.0	.0	.0	.0	.0	.0	10.0
W	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	2	0	3	5	10	3	0	0	0	0	0	10
TOT PCT	20.0	.0	30.0	50.0	100.0	30.0	.0	.0	.0	.0	20.0	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	.0	.0	.0	.0	.0
>1000	18.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3
>600	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
>300	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
>150	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
>0	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
TOTAL	4	8	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 11

PCT FREQ NH <5/8: 27.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	TOTAL OBS	
	.0	9.1	9.1	.0	9.1	18.2	18.2	.0	36.4	.0	11

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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	.4	1.2	.0	.0	.0	.0	1.4	
	NO PCP	.0	.0	.0	.0	.0	1.2	.4	.8	.0	.0	2.4	
	TOT %	.0	.0	.0	.0	.4	2.4	.4	.8	.0	.0	4.1	
1<2	PCP	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
2<5	PCP	.0	.0	.0	.0	.0	1.2	.4	.8	.0	.0	2.4	
	NO PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.8	.0	.0	.0	.0	1.2	.4	.8	.0	.0	3.3	
5<10	PCP	.8	1.2	1.2	3.3	.4	1.6	2.0	1.6	.0	.0	12.2	
	NO PCP	16.7	6.1	2.8	3.7	4.1	7.3	6.1	17.5	.0	2.4	66.7	
	TOT %	17.5	7.3	4.1	6.9	4.5	8.9	8.1	19.1	.0	2.4	78.9	
10+	PCP	.0	.0	.0	.0	.0	2.0	1.2	.0	.0	.0	3.3	
	NO PCP	1.6	1.6	.6	1.0	.4	1.6	.8	.4	.0	.0	8.1	
	TOT %	1.6	1.6	.6	1.0	.4	3.7	2.0	.4	.0	.0	11.4	
TOT OBS													123
TOT PCT													19.9 8.9 4.7 8.7 6.1 16.3 11.0 22.0 .0 2.4 100.0

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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	2.0	.4	.8	.0	.0	3.3	
	22+	.0	.0	.0	.0	.4	.4	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.0	.0	.4	2.4	.4	.8	.0	.0	4.1	
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	.0	.0	
	11-21	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	22+	.0	.0	.0	.0	.0	1.2	.4	.0	.0	.0	1.6	
	TOT %	.8	.0	.0	.0	.0	1.2	.4	.8	.0	.0	3.3	
5<10	0-3	.0	.0	.0	.4	.4	.0	.0	.0	.0	2.4	3.3	
	4-10	3.3	2.4	1.6	2.4	1.2	2.4	2.0	6.1	.0	.0	23.6	
	11-21	7.3	4.9	2.4	2.4	2.0	3.3	3.3	8.9	.0	.0	36.6	
	22+	4.9	.0	.0	1.6	.8	1.2	2.8	4.1	.0	.0	13.4	
	TOT %	17.5	7.3	4.1	6.9	4.5	8.9	8.1	19.1	.0	2.4	78.9	
10+	0-3	.8	.0	.0	.0	.0	.4	.4	.0	.0	.0	1.6	
	4-10	.8	.8	.0	.8	.0	.8	.4	.4	.0	.0	4.1	
	11-21	.0	.8	.6	.2	.0	.4	1.2	.0	.0	.0	3.3	
	22+	.0	.0	.0	.0	.4	2.0	.0	.0	.0	.0	2.4	
	TOT %	1.6	1.6	.6	1.0	.4	3.7	2.0	.4	.0	.0	11.4	
TOT OBS													123
TOT PCT													19.9 8.9 4.7 8.7 6.1 16.3 11.0 22.0 .0 2.4 100.0

TABLE 10

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

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	2
06009	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	66.7	33.3	3
12015	.0	.0	.0	50.0	50.0	.0	.0	.0	.0	.0	100.0	.0	2
18021	.0	.0	.0	75.0	.0	.0	.0	.0	.0	.0	75.0	25.0	4
TOT	0	0	0	5	3	0	0	0	0	0	8	3	11
PCT	.0	.0	.0	45.5	27.3	.0	.0	.0	.0	.0	72.7	27.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	.0	.0	.0	2.9	88.6	8.6	35
06009	.0	4.2	.0	.0	87.5	8.3	24
12015	.0	5.1	5.1	7.7	79.5	2.6	39
18021	.0	6.5	3.2	.0	61.3	29.0	31
TOT	0	5	3	4	102	15	129
PCT	.0	3.9	2.3	3.1	79.1	11.6	100.0

TABLE 12

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

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	.0	.0	50.0	50.0	2
06009	.0	.0	33.3	33.3	33.3	3
12015	.0	.0	50.0	50.0	.0	2
18021	.0	.0	75.0	.0	25.0	4
TOT	0	0	5	3	3	11
PCT	.0	.0	45.5	27.3	27.3	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 DBS	PCT FREQ
45/49	.0	.0	.0	.9	.0	1.8	.9	.0	4	3.7
40/44	.0	.0	.0	.0	.9	9.2	17.4	22.0	54	49.5
35/39	.0	.0	.0	.0	3.7	6.4	6.4	12.8	32	29.4
30/34	.0	.0	.0	.0	.9	2.8	6.4	6.4	18	16.5
25/29	.0	.0	.0	.0	.0	.0	.0	.9	1	.9
TOTAL	0	0	0	1	6	22	34	46	109	100.0
PCT	.0	.0	.0	.9	5.5	20.2	31.2	42.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	.5	.0	.0	.0	.0	.0	1.8	1.4	.0	.0
40/44	14.2	2.8	.0	.9	.0	7.3	8.9	15.4	.0	.0
35/39	.0	3.7	5.5	5.7	3.9	5.5	1.8	2.3	.0	.9
30/34	.0	.9	.7	2.1	2.8	4.6	1.8	3.7	.0	.0
25/29	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0
TOTAL	14.7	7.3	6.2	8.7	6.7	18.3	14.4	22.7	.0	.9

TABLE 15

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

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	45	44	44	39	33	33	33	38.7	36
06009	45	44	44	40	34	33	33	39.2	28
12015	48	47	44	39	33	29	29	38.8	42
18021	43	42	42	39	31	31	31	38.5	33
TOT	46	45	44	39	33	31	29	38.8	139

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	6.7	23.3	36.7	33.3	83	30
06009	.0	.0	9.1	9.1	36.4	45.5	85	22
12015	.0	2.8	.0	19.4	27.8	50.0	86	36
18021	.0	.0	11.1	22.2	22.2	44.4	86	27
TOT	0	1	7	22	35	50	85	115

JUNE

PERIOD: (PRIMARY) 1924-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
55.15 65.3W

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	29 32	33 36	37 40	41 44	45 48	TOT	% FOG	% FOG
5	.0	.0	.9	.0	.0	1	.0	.9
4	.0	.0	.0	.9	1.7	3	.0	2.6
3	.0	.0	.0	3.4	.0	4	.0	3.4
2	.0	.0	.0	2.6	.9	4	.0	3.4
1	.0	.0	.0	6.9	.0	8	.9	6.0
0	.0	.9	1.7	3.4	.0	7	2.6	3.4
-1	.0	1.7	6.0	5.2	.9	16	1.7	12.1
-2	.0	.9	3.4	6.9	.0	13	.9	10.3
-3	.0	.0	3.4	1.7	.0	6	.0	5.2
-4	.9	2.6	2.6	.9	.0	8	.0	6.9
-5	.0	2.6	2.6	.0	.0	6	1.7	3.4
-6	.0	5.2	6.0	.0	.0	13	.0	11.2
-7/-8	2.6	9.5	2.6	.0	.0	17	.0	14.7
-9/-10	.0	6.0	.0	.0	.0	7	.0	6.0
-11/-13	.0	1.7	.0	.0	.0	2	.0	1.7
-17/-19	.9	.0	.0	.0	.0	1	.0	.9
TOTAL	5	36	37	4		116	9	107
PCT	4.3	31.0	29.3	31.9	3.4	100.0	7.8	92.2

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	37.5	.0	.0	.0	37.5	.0	50.0	.0	.0	.0	.0	.0	50.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	12.5
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	37.5	.0	.0	.0	37.5	.0	50.0	12.5	.0	.0	.0	.0	62.5

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	33.3	.0	.0	.0	.0	.0	33.3	
1-2	.0	33.3	.0	.0	.0	.0	33.3	
3-4	.0	.0	33.3	.0	.0	.0	33.3	
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	33.3	33.3	33.3	.0	.0	.0	100.0	3

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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
6-7	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
8-9	.0	.0	.0	.0	10.0	10.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	11
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	1	31
INDFT	10.0	.0	10.0	.0	10.0	.0	10.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
TOTAL	1	0	1	0	2	2	1	1	0	1	0	0	1	0	0	0	0	0	0	0	10	10
PCT	10.0	.0	10.0	.0	20.0	20.0	10.0	10.0	.0	10.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1921-1969

AREA 0017 TIERRA DEL FUEGO
55.15 65.24

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	14.5	1.7	5.1	.0	3.4	.0	.0	24.8	.0	3.4	3.4	.0	.0	.0	68.4
NE	22.4	13.2	2.6	.0	18.4	.0	.0	56.6	7.9	.0	5.3	.0	.0	.0	30.3
E	9.1	.0	.0	.0	9.1	.0	.0	18.2	9.1	.0	18.2	.0	.0	.0	54.5
SE	.0	.0	.0	12.5	87.5	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
S	3.3	.0	.0	3.3	41.7	.0	16.7	65.0	6.7	.0	6.7	.0	.0	.0	21.7
SW	5.4	14.4	.0	.0	14.4	.0	9.0	43.2	15.3	.0	3.6	.0	.0	.0	37.8
W	8.6	8.6	4.3	.0	11.2	.0	.0	30.5	1.6	.0	9.6	.0	.0	.0	58.3
NW	4.7	4.7	.0	.0	2.3	.0	.0	11.7	.0	.0	15.2	.0	.0	.0	73.1
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	.0	.0	.0	.0	100.0
TOT PCT	8.9	6.8	2.1	.5	13.0	.0	2.6	33.3	4.2	.5	8.3	.0	.0	.0	53.6
TOT OBS:	192														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG MO PCPN	FOG MO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	11.5	6.6	3.3	1.6	8.2	.0	3.3	32.8	4.9	.0	13.1	.0	.0	.0	49.2
06009	5.7	2.9	2.9	.0	20.0	.0	.0	31.4	.0	.0	5.7	.0	.0	.0	62.9
12015	7.4	5.6	.0	.0	13.0	.0	1.9	27.8	5.6	1.9	7.4	.0	.0	.0	57.4
18021	8.7	10.9	4.3	.0	13.0	.0	4.3	41.3	4.3	.0	4.3	.0	.0	.0	50.0
TOT PCT	8.7	6.6	2.6	.5	12.8	.0	2.6	33.2	4.1	.5	8.2	.0	.0	.0	54.1
TOT OBS:	196														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.5	6.2	4.0	3.6	.4	.0		14.6	15.4	9.3	16.7	.0	17.7	21.6	12.1	20.8	11.7
NE	.9	2.8	1.8	2.8	.6	.0		9.0	16.6	6.4	10.0	27.8	6.5	5.2	12.1	6.9	10.0
E	.0	.9	.9	.7	.0	.0		2.6	15.4	2.9	8.3	5.6	1.6	1.7	1.7	.0	.0
SE	.0	.5	2.1	.0	.0	.0		2.6	13.6	2.9	1.7	.0	3.2	1.7	5.2	.0	3.3
S	.0	1.9	2.3	3.3	.8	.0		8.3	20.7	8.6	3.3	13.9	6.5	8.6	8.6	9.7	11.7
SW	.0	.9	4.1	6.2	.2	2.1		13.6	25.1	21.4	11.7	8.3	16.1	6.0	10.3	18.1	13.3
W	.0	1.5	11.0	7.3	4.1	1.7		25.7	24.4	22.9	26.7	22.2	25.8	30.2	25.9	29.2	22.5
NW	.0	3.7	9.2	6.9	2.8	.0		22.6	21.5	22.9	21.7	11.1	22.6	25.0	24.1	15.3	27.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9	.0	.0	.0	.0	.0		.9	.0	2.9	.0	11.1	.0	.0	.0	.0	.0
TOT OBS	9	39	75	65	19	8	211		20.8	35	30	9	31	29	29	18	30
TOT PCT	2.4	18.5	35.5	30.8	9.0	3.8		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	06	12	18	
N	1.4	7.7	2.7	2.7	.0		14.6	15.4	12.7	13.8	16.8	15.1
NE	1.4	3.3	2.7	1.5	.0		9.0	16.6	8.1	11.3	8.6	6.9
E	.5	.9	1.2	.0	.0		2.6	15.4	5.4	2.5	1.7	.0
SE	.0	1.9	.7	.0	.0		2.6	13.6	2.3	2.5	3.4	2.1
S	.5	1.9	3.9	2.0	.0		8.3	20.7	6.2	6.1	8.6	10.9
SW	.9	2.1	6.5	1.9	2.1		13.6	25.1	16.9	14.4	8.2	15.1
W	.9	6.5	9.8	4.9	3.6		25.7	24.4	24.6	25.0	28.0	23.0
NW	1.4	5.5	8.4	5.5	1.9		22.6	21.5	22.3	20.0	24.6	23.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9	.0	.0	.0	.0		.9	.0	1.5	2.5	.0	.0
TOT OBS	17	63	76	39	16	211		20.8	65	40	58	48
TOT PCT	8.1	29.9	36.0	18.5	7.6		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1921-1969

JULY

AREA 0017 TIERRA DEL FUEGO
55.15 65.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							PCT MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+				
00003	1.5	.0	20.0	38.5	26.2	9.2	4.6	20.6	100.0	65	
06009	2.5	2.5	12.5	20.0	50.0	12.5	.0	22.5	100.0	40	
12015	.0	1.7	25.9	32.8	31.0	5.2	3.4	19.8	100.0	58	
18021	.0	2.1	12.5	47.9	20.8	10.4	6.3	21.0	100.0	48	
TOT	2	3	39	75	65	19	8	20.8		211	
PCT	.9	1.4	18.5	35.5	30.8	9.0	3.8	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	1.8	.0	.0	11.6	6.9	
E	.0	.0	.0	4.5	8.0	
SE	.0	.0	.0	.0	7.8	
S	.0	.0	1.3	6.7	5.0	
SW	5.4	.4	8.0	4.0	5.5	
W	6.3	1.3	7.6	11.6	7.3	
NW	.9	.0	3.1	12.5	4.0	
VAR	.0	.0	.0	.0	6.4	
CALM	.0	1.8	.0	.0		
TOT OBS	8	2	13	33	56	
TOT PCT	14.3	3.6	23.2	58.9	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	3.1	2.7	.0	.0	3.6	.0	1.8	
.0	.0	.0	.0	8.9	2.7	.0	.0	.0	.0	1.8	
.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	6.3	1.8	.0	.0	.0	.0	.0	
.0	.0	.0	.0	2.7	1.8	1.5	.0	.0	.0	11.6	
.0	.0	.0	.0	2.7	6.7	.0	.0	.0	.0	17.4	
.0	.0	.0	1.8	5.8	2.2	1.8	.0	.0	1.8	3.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
.0	.0	.0	1	19	10	2	0	2	1	21	
.0	.0	.0	1.8	33.9	17.9	3.6	.0	3.6	1.8	37.5	
											56
											100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50VD	>0
>6500	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
>5000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
>3500	7.0	7.0	8.8	8.8	8.8	8.8	8.8	8.8
>2000	17.5	24.6	28.1	28.1	28.1	28.1	28.1	28.1
>1000	22.8	45.6	59.6	59.6	61.4	61.4	61.4	61.4
>600	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
>300	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
>150	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
>0	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
TOTAL	14	27	35	35	36	36	36	36

TOTAL NUMBER OF OBS: 57

PCT FREQ NH <5/8: 36.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
8.8	3.5	10.5	7.0	7.0	7.0	14.0	5.3	36.8	.0	57

JULY

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1921-1969

AREA 0017 TIERRA DEL FUEGO
55.1S 65.2W

TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
1/2<1	PCP	.0	.3	.3	.0	.5	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.5	.0	.0	.0	.0	.3	.3	.0	.0	1.0	
	TOT %	.0	.8	.3	.0	.5	.0	.3	.3	.0	.0	2.1	
1<2	PCP	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	1.0	
	TOT %	1.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	2.1	
2<5	PCP	.0	1.0	.0	.0	1.2	1.0	1.7	.8	.0	.0	5.7	
	NO PCP	.0	.5	.0	.0	.5	.5	.5	.0	.0	.0	2.1	
	TOT %	.0	1.5	.0	.0	1.7	1.5	2.2	.8	.0	.0	7.7	
5<10	PCP	2.4	3.5	.3	2.1	3.6	5.4	6.2	1.8	.0	.0	25.3	
	NO PCP	5.9	2.1	2.3	.0	.8	3.7	8.9	9.8	.0	.0	33.5	
	TOT %	8.4	5.5	2.6	2.1	4.4	9.1	15.1	11.6	.0	.0	58.8	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	5.4	1.2	.0	.0	1.4	3.9	6.6	8.9	.0	1.0	28.4	
	TOT %	5.4	1.2	.0	.0	1.4	3.9	6.6	8.9	.0	1.0	28.4	
TOT OBS												194	
TOT PCT		15.1	9.8	2.8	2.1	8.0	14.6	24.6	22.0	.0	1.0	100.0	

TABLE 9

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

VISBY (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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	.3	.8	.0	.0	.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	.8	.3	.0	.0	.0	.0	.0	.0	.0	1.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.5	.0	.3	.3	.0	.0	1.0	
	TOT %	.0	.8	.3	.0	.5	.0	.3	.3	.0	.0	2.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	11-21	.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	1.0	
	22+	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	1.5	.0	.0	.0	.0	.0	.5	.5	.0	.0	2.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.8	.0	.3	.3	.0	.0	1.5	
	11-21	.0	.0	.0	.0	.5	.5	.3	.3	.0	.0	1.5	
	22+	.3	1.5	.0	.0	1.4	1.3	1.9	.8	.0	.0	7.0	
	TOT %	.3	1.5	.0	.3	2.6	1.8	2.4	1.3	.0	.0	10.0	
5<10	0-3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	4-10	3.3	2.3	.8	.3	.3	.0	.5	1.3	.0	.0	8.5	
	11-21	2.1	1.9	1.0	1.8	1.5	2.8	7.5	4.0	.0	.0	22.5	
	22+	2.3	.8	.8	.0	2.5	6.1	6.6	6.0	.0	.0	25.0	
	TOT %	8.1	5.4	2.5	2.0	4.3	8.9	14.6	11.3	.0	.0	47.0	
10+	0-3	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.0	1.5	
	4-10	2.3	.0	.0	.0	1.0	1.0	.9	2.4	.0	.0	7.5	
	11-21	2.1	.0	.0	.0	.4	1.1	2.9	4.5	.0	.0	11.0	
	22+	.9	.6	.0	.0	.0	1.6	2.6	1.8	.0	.0	7.5	
	TOT %	5.3	1.1	.0	.0	1.4	3.8	6.4	8.6	.0	1.0	27.5	
TOT OBS												200	
TOT PCT		15.4	9.5	2.8	2.3	8.8	14.4	24.1	21.9	.0	1.0	100.0	

TABLE 10

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

HOHR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	12.5	25.0	.0	.0	.0	.0	37.5	62.5	16
06009	.0	.0	.0	.0	44.4	11.1	11.1	.0	.0	.0	66.7	33.3	9
12015	.0	.0	.0	.0	31.3	25.0	.0	.0	6.3	6.3	68.8	31.3	16
18021	.0	.0	.0	6.3	50.0	12.5	6.3	.0	6.3	.0	81.3	18.8	16
TOT	0	0	0	1	19	11	2	0	2	1	36	21	57
PCT	.0	.0	.0	1.8	33.3	19.3	3.5	.0	3.5	1.8	63.2	36.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOHR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.6	1.6	3.2	7.9	60.3	25.4	63
06009	.0	2.6	.0	13.2	65.8	18.4	38
12015	1.8	1.8	1.8	5.5	56.4	32.7	55
18021	.0	2.1	4.2	14.6	45.8	33.3	48
TOT	2	4	5	20	116	57	204
PCT	1.0	2.0	2.5	9.8	56.9	27.9	100.0

TABLE 12

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

HOHR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	18.8	25.0	56.3	16
06009	.0	.0	33.3	44.4	22.2	9
12015	.0	.0	12.5	62.5	25.0	16
18021	.0	6.3	43.8	50.0	6.3	16
TOT	0	1	15	26	16	57
PCT	.0	1.8	26.3	45.6	28.1	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
45/49	.0	.0	.0	.0	.0	.0	3.4	1.4	7	4.7
40/44	.0	.0	.0	.0	2.0	10.8	16.9	18.9	72	48.6
35/39	.0	.0	.0	.7	2.0	8.1	17.6	8.1	54	36.5
30/34	.0	.0	.0	.0	.0	4.1	2.7	1.4	12	8.1
25/29	.0	.0	.0	.0	.0	.0	.0	2.0	3	2.0
TOTAL	0	0	0	1	6	34	60	47	148	100.0
PCT	.0	.0	.0	.7	4.1	23.0	40.5	31.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	.0	.0	.0	.0	.0	.0	2.2	2.5	.0	.0
40/44	10.3	3.0	.7	.0	.0	3.2	17.7	13.7	.0	.0
35/39	5.4	7.8	1.4	.0	1.5	8.3	6.6	4.2	.0	1.4
30/34	.0	.0	.0	.0	3.5	2.9	1.7	.0	.0	.0
25/29	.0	.0	.0	.0	1.4	.7	.0	.0	.0	.0
TOTAL	15.7	10.8	2.0	.0	6.4	15.0	28.2	20.4	.0	1.4

TABLE 15

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

HOHR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	47	46	46	39	31	25	25	39.1	65
06009	44	43	43	40	30	26	26	34.7	38
12015	45	44	44	39	28	26	26	39.0	57
18021	50	49	45	40	29	25	25	39.7	48
TOT	50	46	45	40	30	25	25	39.2	208

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOHR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	3.8	32.7	40.4	23.1	83	52
06009	.0	.0	7.4	11.1	37.0	44.4	85	27
12015	.0	2.4	2.4	14.6	46.3	34.1	85	41
18021	.0	.0	6.3	28.1	31.3	34.4	84	32
TOT	0	1	7	35	60	49	84	152

JULY

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1921-1969

AREA 0017 TIERRA DEL FUEGO
55.1S 65.2W

TABLE 17

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

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	45 48	49 52	TOT	W FOG	WD FOG
6	.0	.0	.0	.0	.5	.0	.5	2	.0	1.0
4	.0	.0	.0	.0	.5	.5	.0	2	.0	1.0
3	.0	.0	.0	1.0	.5	.0	.0	3	.0	1.5
2	.0	.0	.0	.0	3.0	3.0	.0	12	.5	5.6
1	.0	.0	.0	.5	6.1	.5	.0	14	1.0	6.1
0	.0	.0	.5	4.6	4.1	2.5	.0	23	1.5	10.2
-1	.0	.0	.5	6.1	8.6	.5	.0	30	2.0	13.2
-2	.0	.0	.5	7.1	5.1	.0	.0	25	1.0	11.7
-3	.0	.5	.5	8.1	2.0	.0	.0	22	1.0	10.2
-4	.0	.0	2.0	5.6	1.5	.0	.0	18	.0	9.1
-5	.0	.0	1.0	5.6	.0	.0	.0	13	.0	6.6
-6	.5	.0	3.0	1.5	.0	.0	.0	10	.5	4.6
-7/-8	.0	2.0	2.5	1.5	.0	.0	.0	12	.0	6.1
-9/-10	1.5	1.0	.5	.0	.0	.0	.0	6	.0	3.0
-11/-13	1.0	1.0	.0	.0	.0	.0	.0	4	.5	1.5
-14/-16	.5	.0	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	7	9	21	82	63	14	1	197	16	161
PCT	3.6	4.6	10.7	41.6	32.0	7.1	.5	100.0	8.1	91.9

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.4	3.4	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	3.4	.0	.0	3.4	.0	.0	.0	3.4	.0	.0	.0	3.4
7	.0	.0	2.6	.0	2.6	.0	5.2	.0	.0	.0	6.9	4.3	.0	.0	11.2
8-9	.0	.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	3.4	.0	.0	.0	3.4
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	3.4	6.0	3.4	2.6	.0	15.5	.0	.0	.0	13.8	4.3	.0	.0	18.1

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	3.4	.0	.0	3.4	.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	3.4	6.0	.0	9.5	.0	.0	.0	.0	.9	.0	.9
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	1.7	1.7	1.7
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.8	13.8	13.8
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	.0	.0	6.9	6.0	.0	12.9	.0	.0	.0	.0	.9	15.5	16.4

HGT	W						PCT	NW						PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	2.6	.0	.0	.0	2.6	.0	.0	4.3	.0	.0	.0	4.3	.0	
3-4	.0	2.6	.0	.0	.0	.0	2.6	.0	.9	.0	.0	.0	.0	.9	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	6.0	.0	.0	6.0	.0	.0	.9	.9	3.4	.0	9.2	.0	
8-9	.0	.0	.0	9.5	.0	.0	9.5	.0	.0	.0	.9	.0	.0	.9	.0	
10-11	.0	.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	.0	
13-16	.0	.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	.0	
20-22	.0	.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	.0	
26-32	.0	.0	.0	.0	.0	.0	5.2	5.2	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	2.6	2.6	15.5	.0	.0	5.2	25.9	.0	.9	5.2	1.7	3.4	.0	11.2	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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.4	10.3	.0	.0	.0	13.8	13.8
3-4	.0	3.4	.0	.0	.0	.0	3.4	3.4
5-6	.0	.0	.0	6.9	.0	.0	6.9	6.9
7	.0	.0	3.4	13.8	10.3	.0	27.6	27.6
8-9	.0	.0	.0	10.3	.0	.0	10.3	10.3
10-11	.0	.0	.0	6.9	.0	.0	6.9	6.9
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	3.4	6.9	.0	10.3	10.3
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	6.9	6.9	6.9
33-40	.0	.0	.0	.0	.0	13.8	13.8	13.8
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	.0	6.9	13.8	41.4	17.2	20.7	100.0	29

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	.0	2.0	2.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
6-7	.0	.0	3.9	3.9	11.6	13.7	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	7
8-9	.0	.0	2.0	.0	2.0	3.9	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	9
10-11	.0	.0	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	5	20
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	.0	9.8	7.8	.0	.0	.0	.0	.0	.0	.0	13	27
>13	.0	.0	.0	.0	.0	.0	.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	17
INDET	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	.0	2.0	7.8	7.8	13.7	19.6	7.8	2.0	3.9	2.0	9.8	.0	13.7	7.8	.0	.0	.0	.0	.0	.0	51	14
PCT	.0	2.0	7.8	7.8	13.7	19.6	7.8	2.0	3.9	2.0	9.8	.0	13.7	7.8	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1928-1969
(OVER-ALL) 1924-1969

AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
N	3.5	.0	.0	.0	3.5	.0	.0	7.0	.0	.0	40.9	.0	.0	.0	52.2
NE	8.0	.0	.0	.0	8.0	.0	.0	16.0	.0	.0	34.0	.0	.0	.0	50.0
E	20.0	.0	20.0	.0	.0	.0	.0	40.0	.0	.0	20.0	.0	.0	.0	40.0
SE	21.4	.0	.0	.0	.0	.0	.0	21.4	.0	.0	42.9	.0	.0	.0	35.7
S	2.2	4.5	.0	.0	4.5	4.5	.0	15.7	6.7	.0	9.0	.0	.0	.0	68.5
SW	12.3	7.4	.0	.0	7.4	4.9	.0	32.1	22.2	.0	.0	.0	.0	.0	45.7
W	5.5	12.7	.0	.0	12.7	1.8	.0	29.1	.0	.0	.0	.0	.0	.0	70.9
NW	.0	.0	.0	.0	.0	3.2	.0	3.2	.0	.0	12.7	.0	6.3	.0	77.8
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	.0	.0	100.0
TOT PCT	6.4	4.3	.7	.0	5.7	2.1	.0	18.6	4.3	.0	17.1	.0	.7	.0	59.3
TOT OBS:	140														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
0000	9.8	4.9	2.4	.0	.0	2.4	.0	19.5	4.9	.0	14.6	.0	.0	.0	61.0
0600	.0	5.9	.0	.0	11.8	.0	.0	14.7	2.9	.0	14.7	.0	.0	.0	67.6
1200	5.4	5.4	.0	.0	5.4	5.4	.0	21.6	.0	.0	21.6	.0	.0	.0	56.8
1800	10.3	.0	.0	.0	6.9	.0	.0	17.2	10.3	.0	17.2	.0	3.4	.0	51.7
TOT PCT	6.4	4.3	.7	.0	5.7	2.1	.0	18.4	4.3	.0	17.0	.0	.7	.0	59.6
TOT OBS:	141														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18
N	1.2	3.3	12.0	1.0	.0	.0	19.5	12.9	15.0	27.8	13.3	28.6	4.8	36.1	.0	26.3
NE	.2	1.7	3.2	1.3	.0	.0	8.3	15.4	9.0	2.8	1.7	2.4	16.7	13.9	7.7	10.5
E	.0	.3	1.0	2.3	.0	.0	3.7	22.4	10.0	5.6	6.7	2.4	2.4	.0	.0	.0
SE	.0	2.2	1.5	4.0	.0	.0	7.7	21.0	4.0	13.9	1.7	7.1	9.5	13.9	1.9	7.9
S	.0	.5	3.2	7.2	3.7	.3	16.8	26.7	16.0	16.7	15.0	19.0	13.1	11.1	32.7	15.8
SW	.0	.7	4.5	5.2	3.0	.3	13.7	26.2	18.0	5.6	30.0	9.5	16.7	2.8	26.9	5.3
W	.0	2.7	10.2	6.0	.0	.0	18.8	18.0	18.0	16.7	10.0	23.8	27.4	11.1	19.2	21.1
NW	.0	2.7	6.5	1.7	.0	.0	10.8	16.1	10.0	11.1	13.0	7.1	9.5	11.1	11.5	13.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0
TOT OBS	3	24	69	43	10	1	150	19.4	25	18	15	21	21	18	13	19
TOT PCT	2.0	16.0	46.0	28.7	6.7	.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.5	11.5	5.2	.3	.0	19.5	12.9	20.3	22.2	19.2	15.6
NE	.5	3.5	4.3	.0	.0	8.3	15.4	6.4	2.1	15.4	9.4
E	.0	1.0	1.0	1.7	.0	3.7	22.4	8.1	4.2	1.3	.0
SE	.0	3.0	1.0	3.7	.0	7.7	21.0	8.1	4.9	11.5	5.5
S	.0	4.3	3.3	7.5	1.7	16.8	26.7	16.3	17.4	12.2	22.7
SW	.0	2.7	4.2	5.8	1.0	13.7	26.2	12.8	18.1	10.3	14.1
W	.0	8.3	8.2	2.3	.0	18.8	18.0	17.4	18.1	19.9	20.3
NW	.3	4.3	5.5	.7	.0	10.8	16.1	10.5	10.4	10.3	12.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7					.7	.0	.0	2.8	.0	.0
TOT OBS	6	58	49	33	4	150	19.4	43	36	39	32
TOT PCT	4.0	38.7	32.7	22.0	2.7	100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1928-1969
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55.23 65.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.0	2.3	18.6	48.8	23.3	7.0	.0	18.4	100.0	43
06009	2.8	2.8	16.7	41.7	27.8	5.6	2.8	19.1	100.0	36
12015	.0	.0	12.8	46.2	35.9	5.1	.0	20.6	100.0	39
18021	.0	.0	15.6	46.9	28.1	9.4	.0	19.9	100.0	32
TOT	1	2	24	69	43	10	1	19.4		150
PCT	.7	1.3	16.0	46.0	28.7	6.7	.7	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	1.8	.0	4.5	6.5	6.5
E	.0	.0	.0	5.3	8.0	8.0
SE	.0	.0	1.8	2.7	7.6	7.6
S	.9	3.6	10.0	14.1	6.6	6.6
SW	.9	3.6	11.8	12.7	6.5	6.5
W	1.8	.0	1.8	8.6	6.8	6.8
NW	1.8	1.8	2.3	.0	3.9	3.9
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	1.8	.0	6.0	6.0
TOT OBS	4	6	17	28	55	6.5
TOT PCT	7.3	10.9	30.9	50.9	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
1.4	.0	.0	.0	2.7	.0	.0	.0	.0	.0	1.8	1.8
2.3	.0	.0	.0	.5	1.8	.0	.0	.0	.0	1.8	1.8
.0	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	1.8	1.8
.0	.0	.0	.0	2.7	1.8	.0	.0	.0	.0	.0	.0
.0	.0	.0	.9	18.6	1.8	.0	.0	.0	.0	7.3	7.3
.0	.0	.0	.9	19.1	3.6	.0	.0	.0	.0	5.5	5.5
.0	.0	.0	1.8	5.9	.9	.0	.0	.0	.0	3.6	3.6
.0	.0	.0	.0	1.4	.9	.0	.0	.0	.0	3.6	3.6
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.8
2	0	0	2	29	7	0	0	0	0	15	15
3.6	.0	.0	3.6	52.7	12.7	.0	.0	.0	.0	27.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	10.9	12.7	12.7	12.7	12.7	12.7	12.7	12.7
>1000	34.5	61.8	61.8	63.6	63.6	63.6	63.6	63.6
>600	34.5	61.8	63.6	65.5	65.5	65.5	67.3	67.3
>300	34.5	61.8	63.6	65.5	65.5	65.5	67.3	67.3
>150	34.5	61.8	63.6	65.5	65.5	65.5	67.3	67.3
>0	34.5	61.8	63.6	65.5	65.5	67.3	70.9	70.9
TOTAL	19	34	35	36	36	37	39	39

TOTAL NUMBER OF OBS: 55

PCT FREQ NH <5/8 29.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.6	1.8	3.6	8.9	10.7	5.4	12.5	14.3	35.7	3.6	56

PERIOD: (PRIMARY) 1928-1969
(OVER-ALL) 1924-1969

AUGUST

AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

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	.4	.4	.0	.0	.0	.0	.7	
	NO PCP	2.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
	TOT %	2.0	.9	.0	.0	.4	.4	.0	.0	.0	.0	3.6	
1/2<1	PCP	.0	.0	.0	1.1	.4	.0	.7	.0	.0	.0	2.1	
	NO PCP	1.4	.0	.0	.0	.7	.0	.0	.0	.0	.0	2.1	
	TOT %	1.4	.0	.0	1.1	1.1	.0	.7	.0	.0	.0	4.3	
1<2	PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	1.1	.0	.0	.0	1.4	.0	.0	.4	.0	.0	2.9	
	TOT %	1.1	.0	.7	.0	1.4	.0	.0	.4	.0	.0	3.6	
2<5	PCP	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	1.4	
	NO PCP	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.7	
	TOT %	.4	.0	.7	.0	.0	.0	.7	.4	.0	.0	2.1	
5<10	PCP	1.4	1.4	.0	.0	1.8	3.2	3.9	.4	.0	.0	12.1	
	NO PCP	9.3	3.9	.7	2.1	6.6	3.0	11.1	7.5	.0	.0	44.3	
	TOT %	10.7	5.4	.7	2.1	8.4	6.3	15.0	7.9	.0	.0	56.4	
10+	PCP	.0	.0	.0	.0	.0	1.1	.4	.0	.0	.0	1.4	
	NO PCP	5.0	2.7	1.4	1.8	4.6	8.8	2.9	2.7	.0	.7	28.6	
	TOT %	5.0	2.7	1.4	1.8	4.6	7.9	3.2	2.7	.0	.7	30.0	
TOT OBS												140	
TOT PCT		20.5	8.9	3.6	5.0	15.9	14.5	19.6	11.3	.0	.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	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	4-10	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	11-21	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	22+	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.7	
	TOT %	1.8	.8	.0	.0	.3	.3	.0	.0	.0	.0	3.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	11-21	.7	.0	.0	.7	.0	.0	.7	.0	.0	.0	2.0	
	22+	.3	.0	.0	1.0	1.7	.0	.0	.3	.0	.0	3.4	
	TOT %	1.7	.0	.0	1.7	1.7	.0	.7	.3	.0	.0	6.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.7	
	11-21	.7	.0	.7	.0	.7	.0	.0	.0	.0	.0	2.0	
	22+	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	
	TOT %	1.0	.0	.7	.0	1.3	.0	.0	.3	.0	.0	3.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.7	
	11-21	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	1.3	
	22+	.0	.0	1.0	2.3	.7	.0	.0	.0	.0	.0	4.0	
	TOT %	.3	.0	1.0	2.3	1.3	.0	.7	.3	.0	.0	6.0	
5<10	0-3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	4-10	1.3	1.0	.3	2.0	.0	.3	1.7	2.0	.0	.0	8.7	
	11-21	7.4	3.4	.3	.0	2.7	2.7	7.0	4.0	.0	.0	27.5	
	22+	.7	.7	.0	.0	5.2	2.9	5.4	1.3	.0	.0	16.1	
	TOT %	10.1	5.0	.7	2.0	7.9	5.9	14.1	7.4	.0	.0	53.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	
	4-10	2.0	.7	.0	.2	.5	.3	1.0	.0	.0	.0	4.7	
	11-21	2.7	1.2	.0	.8	1.2	1.7	1.3	2.5	.0	.0	11.4	
	22+	.0	.7	1.3	.7	2.7	5.4	.7	.0	.0	.0	11.4	
	TOT %	4.7	2.5	1.3	1.7	4.4	7.4	3.0	2.5	.0	.7	28.2	
TOT OBS												149	
TOT PCT		19.6	8.4	3.7	7.7	16.9	13.6	18.5	10.9	.0	.7	100.0	

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PERIOD: (PRIMARY) 1928-1969
(OVER-ALL) 1924-1969

AREA 0017 TIERRA DEL FUEGO
55.25 65.34

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0000	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	6.3	50.0	6.3	.0	.0	.0	.0	62.5	37.5	16
06009	6.7	.0	.0	6.7	46.7	13.3	.0	.0	.0	.0	73.3	26.7	15
12015	7.7	.0	.0	.0	53.8	15.4	.0	.0	.0	.0	76.9	23.1	13
18021	.0	.0	.0	.0	58.3	16.7	.0	.0	.0	.0	75.0	25.0	12
TOT	2	0	0	2	29	7	0	0	0	0	40	16	56
PCT	3.6	.0	.0	3.6	51.8	12.5	.0	.0	.0	.0	71.4	28.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
00003	2.3	2.3	4.7	4.7	67.4	18.6	43
06009	2.8	5.6	2.8	8.3	47.2	33.3	36
12015	5.1	7.7	5.1	2.6	56.4	23.1	39
18021	3.1	9.4	.0	9.4	34.4	43.8	32
TOT	5	9	5	9	79	43	150
PCT	3.3	6.0	3.3	6.0	52.7	28.7	100.0

TABLE 12

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

HR	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00003	.0	6.3	12.5	50.0	37.5	16
06009	6.7	6.7	13.3	60.0	26.7	15
12015	8.3	8.3	8.3	66.7	25.0	12
18021	.0	.0	.0	75.0	25.0	12
TOT	2	3	5	34	16	55
PCT	3.6	5.5	9.1	61.8	29.1	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	PCT
45/49	.0	.0	.0	.0	.0	1.1	1.1	.0	2	2.2
40/44	.0	.0	.0	.0	2.2	6.5	9.7	5.4	22	23.7
35/39	.0	.0	.0	2.2	6.5	10.8	12.9	24.7	53	57.0
30/34	.0	.0	.0	.0	5.4	5.4	5.4	1.1	16	17.2
TOTAL	0	0	0	2	13	22	27	29	93	100.0
PCT	.0	.0	.0	2.2	14.0	23.7	29.0	31.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	.5	.0	.0	.0	.0	.0	.0	.5	.0	1.1
40/44	5.4	.8	.0	.0	.0	1.3	10.5	5.6	.0	.0
35/39	8.3	6.7	2.2	1.3	4.3	12.1	17.2	4.8	.0	.0
30/34	.0	.0	2.2	1.3	6.7	5.9	1.1	.0	.0	.0
TOTAL	14.2	7.5	4.3	2.7	11.0	19.4	28.8	11.0	.0	1.1

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00003	44	43	43	38	30	29	29	37.5	44
06009	46	45	44	37	32	30	30	37.3	36
12015	46	45	45	39	33	32	32	38.7	39
18021	44	43	43	37	31	29	29	37.3	35
TOT	46	45	44	38	31	29	29	37.8	154

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00003	.0	.0	14.3	21.4	28.6	35.7	83	28
06009	.0	4.5	4.5	22.7	27.3	40.9	84	22
12015	.0	.0	20.0	24.0	36.0	20.0	80	25
18021	.0	5.3	15.8	26.3	26.3	26.3	79	19
TOT	0	2	13	22	28	29	82	94

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PERIOD: (PRIMARY) 1928-1969
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55.2S 65.3W

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	29 32	33 36	37 40	41 44	45 48	TOT	N FOG	FOG
5	.0	.0	.8	.0	.0	1	.8	.0
4	.0	.0	.0	3.1	.0	4	.0	3.1
3	.0	.8	.0	.0	.8	2	.0	1.6
2	.0	.0	1.6	1.6	.8	5	.8	3.1
1	.0	.0	1.6	3.1	.0	6	3.9	.8
0	.0	.0	2.3	8.6	.8	15	1.6	10.2
-1	.8	.8	1.6	3.1	.0	8	.0	6.3
-2	.8	1.6	10.2	1.6	.0	18	3.1	10.9
-3	.0	.8	6.3	.0	.8	10	.0	7.8
-4	.8	3.9	4.7	1.6	.0	14	.0	10.9
-5	.0	3.9	7.0	.0	.0	14	.0	10.9
-6	.0	4.7	2.3	.0	.0	9	.8	6.3
-7/-8	2.3	5.5	.0	.0	.0	10	.0	7.8
-9/-10	5.5	2.3	.0	.0	.0	10	3.1	4.7
-11/-13	.8	.8	.0	.0	.0	2	.8	.8
TOTAL	14	49	49	4	4	128	19	109
PCT	10.9	25.0	38.3	22.7	3.1	100.0	14.8	85.2

PERIOD: (OVER-ALL) 1943-1969

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	16.7	.0	.0	.0	16.7	.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	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1969

AUGUST

AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

TABLE 18 (CONT)

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

HGT	S							SW							PCT
	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	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							NW							PCT	TOTAL PCT
	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	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	16.7	.0
7	.0	.0	.0	16.7	.0	.0	16.7	.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	.0	.0
10-11	.0	.0	33.3	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	33.3	16.7	.0	.0	50.0	.0	.0	16.7	.0	.0	.0	16.7	83.3	.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.7	.0	.0	.0	.0	.0	16.7	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	33.3	.0	.0	.0	33.3	
7	.0	.0	.0	16.7	.0	.0	16.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	33.3	.0	.0	.0	33.3	
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	16.7	.0	66.7	16.7	.0	.0	100.0	6

PERIOD: (OVER-ALL) 1950-1969

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	.0	.0	7.5	5.7	7.5	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	6
6-7	.0	.0	1.9	17.0	7.5	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	6
8-9	.0	.0	.0	.0	.0	1.9	13.2	5.7	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	12
10-11	.0	.0	1.9	.0	3.8	1.9	.0	7.5	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
TOTAL	0	0	6	13	11	3	10	7	1	0	1	1	0	0	0	0	0	0	0	0	55	8
PCT	.0	.0	11.3	24.5	20.8	5.7	18.9	13.2	1.9	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8

SEPTEMBER

PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
54.85 65.34

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO DUST SIG WEA
N	4.5	.0	3.6	.0	.0	.0	.0	8.0	.0	3.6	16.1	.0	.0	.0	72.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	50.0	.0	.0	.0	37.5
SW	3.1	7.8	.0	.0	18.8	.0	3.1	32.8	.0	.0	3.1	.0	.0	.0	64.1
W	2.1	7.4	2.1	.0	23.2	.0	6.3	41.1	.0	.0	10.5	.0	.0	.0	48.4
NW	3.6	.0	2.4	.0	.0	.0	9.5	15.5	4.8	.0	16.7	.0	.0	.0	63.1
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	.0	.0	.0	.0	100.0
TOT PCT	3.0	3.0	2.0	.0	9.0	.0	4.0	21.0	1.0	1.0	13.0	.0	.0	.0	64.0
TOT OBS:	100														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO DUST SIG WEA
06003	11.1	3.7	3.7	.0	7.4	.0	.0	25.9	3.7	.0	11.1	.0	.0	.0	59.3
06009	.0	4.2	4.2	.0	4.2	.0	4.2	16.7	.0	.0	12.5	.0	.0	.0	66.7
12015	.0	.0	.0	.0	11.1	.0	7.4	19.5	.0	.0	14.8	.0	.0	.0	66.7
18021	.0	4.5	.0	.0	13.6	.0	4.5	22.7	.0	.0	13.6	.0	.0	.0	63.6
TOT PCT	3.0	3.0	2.0	.0	9.0	.0	4.0	21.0	1.0	1.0	13.0	.0	.0	.0	64.0
TOT OBS:	100														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	6.7	14.1	4.4	.0	.0	25.2	15.5	39.1	16.7	23.5	27.5	19.3	20.0	30.0	15.4
NE	.0	2.1	1.9	1.7	.0	.0	5.7	13.9	2.2	.0	11.8	.0	14.8	.0	6.7	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.8	.0	.0	.0	.8	19.0	.0	.0	.0	.0	.0	.0	.0	7.7
S	.0	2.3	3.6	.4	.0	.0	6.3	15.3	3.3	.0	2.9	.0	5.7	20.0	6.7	15.4
SW	.0	3.8	7.6	3.6	.0	.0	14.9	15.8	7.6	19.4	5.9	10.0	20.5	25.0	15.0	23.1
W	.0	4.6	8.6	10.1	1.7	.0	25.0	19.6	25.0	30.6	42.6	17.5	14.8	35.0	18.3	21.2
NW	.0	7.4	8.3	3.4	3.4	.0	20.4	17.9	18.5	33.3	13.2	45.0	20.5	.0	23.3	17.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	4.3	.0	.0	.0	4.5	.0	.0	.0
TOT OBS	2	32	31	28	6	0	119	16.8	23	9	17	10	22	10	15	13
TOT PCT	1.7	26.9	42.9	23.5	5.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	5.3	7.1	10.5	2.3	.0	25.2	15.5	32.8	25.0	19.5	23.2	
NE	1.3	1.9	1.7	.8	.0	5.7	13.9	1.6	7.4	10.2	3.6	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.8	.0	.0	.8	19.0	.0	.0	.0	3.6	
S	.0	2.7	3.6	.0	.0	6.3	15.3	2.3	1.9	10.2	10.7	
SW	1.9	5.5	6.7	.8	.0	14.9	15.8	10.9	7.4	21.9	18.8	
W	.6	9.5	9.0	3.9	.0	25.0	19.6	26.6	33.3	21.1	19.6	
NW	4.4	6.1	4.6	4.4	.8	20.4	17.9	22.7	25.0	14.1	20.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7					1.7	.0	3.1	.0	3.1	.0	
TOT OBS	18	39	44	17	1	119	16.8	32	27	32	28	
TOT PCT	15.1	32.8	37.0	14.3	.8	100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
54.85 65.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	3.1	.0	25.0	50.0	21.9	.0	.0	15.5	100.0	32
0600	.0	.0	25.9	51.9	11.1	11.1	.0	15.9	100.0	27
1200	3.1	.0	31.3	31.3	25.0	9.4	.0	18.0	100.0	32
1800	.0	.0	25.0	39.3	35.7	.0	.0	18.0	100.0	28
TOT	2	0	32	31	28	6	0	16.8		119
PCT	1.7	.0	26.9	42.9	23.5	5.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	4.7	2.3	2.9	4.7		4.4
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	2.3	.6	.5	2.3		4.3
W	7.0	3.5	4.1	8.1		4.7
NW	.0	5.2	.6	13.4		6.5
VAR	.0	.0	.0	.0		.0
CALM	2.3	.0	.0	.0		.0
TOT OBS	7	9	9	18	43	5.4
TOT PCT	16.3	20.9	20.9	41.9	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT)										NH <4/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.0	.0	2.9	.0	2.3	10.5	.0	.0	.0	.0	.0	19.8
NE	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	9.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	2.3	.6	.0	.0	.0	.0	.0	.0	2.9
W	.0	.0	.0	.0	5.4	2.3	.0	.0	.0	.0	.0	14.0
NW	.0	.0	1.7	.0	2.3	3.5	.0	.0	.0	.0	.0	11.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
TOT OBS	0	0	2	1	6	8	0	0	0	0	0	26
TOT PCT	.0	.0	4.7	2.3	14.0	18.6	.0	.0	.0	.0	.0	60.5

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>8500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
>1000	25.6	30.2	32.6	32.6	32.6	32.6	32.6	32.6
>600	27.9	32.6	34.9	34.9	34.9	34.9	34.9	34.9
>300	32.6	37.2	39.5	39.5	39.5	39.5	39.5	39.5
>150	32.6	37.2	39.5	39.5	39.5	39.5	39.5	39.5
>0	32.6	37.2	39.5	39.5	39.5	39.5	39.5	39.5
TOTAL	14	16	17	17	17	17	17	17

TOTAL NUMBER OF OBS: 43

PCT FREQ NH <5/8: 60.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
12.5	12.5	12.5	12.5	4.2	2.1	8.3	8.3	27.1	.0	48

SEPTEMBER

PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
54.85 65.3W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	2.6	.0	.0	.0	.0	.5	.5	.5	.0	.0	.0	4.2
	TOT %	2.6	.0	.0	.0	.0	.5	.5	.5	.0	.0	.0	4.2
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
5<10	PCP	.0	.0	.0	.0	.5	5.2	9.4	2.6	.0	.0	.0	17.7
	NO PCP	7.8	.0	.0	.0	2.6	7.8	6.3	13.0	.0	.0	.0	37.5
	TOT %	7.8	.0	.0	.0	3.1	13.0	15.6	15.6	.0	.0	.0	55.2
10+	PCP	1.3	.0	.0	.0	.0	.3	.8	.8	.0	.0	.0	3.1
	NO PCP	15.6	6.5	.0	.0	.0	2.9	6.8	3.6	.0	1.0	.0	36.5
	TOT %	16.9	6.5	.0	.0	.0	3.1	7.6	4.4	.0	1.0	.0	39.6
TOT OBS													
TOT PCT		28.4	6.5	.0	.0	3.1	16.7	23.7	20.6	.0	1.0	100.0	

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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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
	11-21	1.4	.0	.0	.0	.0	.5	1.2	.7	.0	.0	.0	3.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	2.4	.0	.0	.0	.0	.5	1.2	.7	.0	.0	.0	4.7
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.9
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.9	.0	.0	.0	1.9	.0	.7	.2	.0	.0	.0	3.8
	22+	.0	.0	.0	.0	.0	.2	.7	.0	.0	.0	.0	.9
	TOT %	.9	.0	.0	.0	1.9	.2	1.4	.2	.0	.9	.9	5.7
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.9	.0	.0	.0	1.9	.9	.9	4.7	.0	.0	.0	9.4
	11-21	3.8	.0	.0	.0	.5	7.1	3.3	2.4	.0	.0	.0	17.0
	22+	2.4	.0	.0	.0	.5	3.8	9.9	7.1	.0	.0	.0	23.6
	TOT %	7.1	.0	.0	.0	2.8	11.8	14.2	14.2	.0	.0	.0	50.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9
	4-10	3.8	1.9	.0	.0	.0	3.1	.7	.9	.0	.0	.0	10.4
	11-21	9.7	2.1	.0	.0	.0	.7	3.5	2.8	.0	.0	.0	18.9
	22+	2.6	1.9	.0	.0	.0	.0	2.6	.5	.0	.0	.0	7.5
	TOT %	16.0	5.9	.0	.0	.0	3.8	6.8	4.2	.9	.9	.9	37.7
TOT OBS													
TOT PCT		26.4	5.9	.0	.0	5.4	16.5	24.5	19.3	.0	1.9	100.0	

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SEPTEMBER

PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1927-1969

AREA 0017 TIERRA DEL FUEGO
54.85 65.34

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	18.2	.0	.0	18.2	.0	.0	.0	.0	36.4	63.6	11
06209	.0	.0	.0	.0	18.2	27.3	.0	.0	.0	.0	45.5	54.5	11
12215	.0	.0	.0	.0	10.0	20.0	.0	.0	.0	.0	30.0	70.0	10
18221	.0	.0	.0	9.1	27.3	9.1	.0	.0	.0	.0	45.5	54.5	11
TOT	0	0	2	1	6	8	0	0	0	0	17	26	43
PCT	.0	.0	4.7	2.3	14.0	18.6	.0	.0	.0	.0	39.5	60.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
00203	.0	6.9	3.4	3.4	44.8	41.4	29
06209	4.0	.0	.0	8.0	52.0	36.0	25
12215	.0	7.1	.0	3.6	57.1	32.1	28
18221	.0	4.2	.0	8.3	45.8	41.7	24
TOT	1	5	1	6	53	40	106
PCT	.9	4.7	.9	5.7	50.0	37.7	100.0

TABLE 12

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

HR	<150 <50yd	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL
00203	.0	18.2	18.2	18.2	63.6	11
06209	.0	.0	9.1	36.4	54.5	11
12215	.0	.0	.0	30.0	70.0	10
18221	.0	.0	9.1	36.4	54.5	11
TOT	0	2	4	13	26	43
PCT	.0	4.7	9.3	30.2	60.5	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	PCT
45/49	.0	.0	.0	.0	.0	3.4	1.7	.0	6	5.1
40/44	.0	.0	.0	.9	9.1	21.4	19.7	17.1	75	64.1
35/39	.0	.0	.0	.0	.9	6.8	9.4	9.4	31	26.5
30/34	.0	.0	.0	.0	.0	.0	2.6	1.7	5	4.3
TOTAL	0	0	0	1	7	37	39	33	117	100.0
PCT	.0	.0	.0	.9	6.0	31.6	33.3	28.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.4	.9	.0	.0	.0	.0	.0	1.9	.0	.0
22.0	4.9	.0	.0	2.6	5.8	13.0	14.1	.0	1.7
1.3	.0	.0	.9	3.4	6.8	9.8	4.3	.0	.0
.0	.0	.0	.0	.4	2.6	1.3	.0	.0	.0
25.6	5.8	.0	.9	6.4	15.2	24.1	20.3	.0	1.7

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00203	44	43	43	41	34	33	33	40.3	32
06209	46	45	45	41	35	34	34	40.5	27
12215	46	45	44	41	36	31	31	40.4	33
18221	46	45	45	41	36	33	33	41.1	28
TOT	46	45	45	41	35	33	31	40.5	120

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00203	.0	3.1	3.1	31.3	34.4	28.1	83	37		
06209	.0	.0	3.8	42.3	26.9	26.9	82	26		
12215	.0	.0	17.1	27.3	24.2	36.4	82	33		
18221	.0	.0	3.7	25.9	48.1	22.2	82	27		
TOT	0	1	7	37	39	34	82	118		

SEPTEMBER

PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
54.85 65.3W

TABLE 17

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

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	TOT	M FOG	WD FDG
4	.0	.0	.0	2.1	1.0	3	1.0	2.1
3	.0	.0	.0	.0	1.0	1	.0	1.0
2	.0	.0	.0	3.1	.0	3	.0	3.1
1	.0	.0	.0	14.4	4.1	18	1.0	17.5
0	.0	.0	1.0	8.2	1.0	10	1.0	9.3
-1	.0	.0	4.1	13.4	.0	17	2.1	15.5
-2	.0	.0	8.2	9.3	.0	17	5.2	12.4
-3	.0	1.0	6.2	2.1	.0	9	2.1	7.2
-4	.0	3.1	3.1	1.0	.0	7	.0	7.2
-5	.0	4.1	4.1	.0	.0	8	1.0	7.2
-6	.0	1.0	.0	.0	.0	1	.0	1.0
-7/-8	1.0	1.0	.0	.0	.0	2	.0	2.1
-9/-10	.0	1.0	.0	.0	.0	1	.0	1.0
TOTAL	1		26		7		13	44
PCT	1.0	11.3	26.8	53.6	7.2	100.0	13.4	86.6

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N							PCT	NE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	7.1
7	.0	.0	12.5	7.1	.0	.0	19.6	.0	.0	7.1	.0	.0	.0	.0	.0	.0	7.1
8-9	.0	.0	21.4	5.4	.0	.0	26.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	7.1
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	41.1	12.5	.0	.0	53.6	.0	.0	14.3	7.1	.0	.0	.0	.0	.0	21.4

HGT	E							PCT	SE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	3.6
8-9	.0	.0	.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	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-15	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	3.6

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	5.4	5.4	.0	.0	.0	10.7	.0	.0	1.8	.0	.0	.0	.0	.0	1.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	1.8
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	5.4	.0	.0	.0	10.7	.0	.0	1.8	1.8	.0	.0	.0	3.6	92.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	7.1	.0	7.1	.0	.0	.0	14.2	.0
5-6	.0	.0	7.1	.0	.0	.0	7.1	.0
7	.0	7.1	28.6	7.1	.0	.0	42.9	.0
8-9	.0	.0	21.4	7.1	.0	.0	28.6	.0
10-11	.0	.0	.0	7.1	.0	.0	7.1	.0
12	.0	.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	7.1	7.1	64.3	21.4	.0	.0	100.0	14

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	.0	2.6	2.6	.0	.0	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6	
6-7	.0	.0	2.6	.0	7.9	.0	.0	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
8-9	.0	.0	15.8	7.9	5.3	10.5	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
10-11	.0	.0	.0	.0	2.6	.0	.0	2.6	.0	5.3	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	16
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	20
INDET	.0	.0	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
TOTAL	.0	1	10	4	6	6	1	4	1	2	3	0	0	0	0	0	0	0	0	0	38	8	
PCT	.0	2.6	26.3	10.5	15.8	15.8	2.6	10.5	2.6	5.3	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		

OCTOBER

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970

AREA 0017 TIERRA DEL FUEGO
54.95 65.7M

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	1.8	9.2	5.5	.0	.0	.0	.0	16.5	.0	.0	14.7	.0	.0	.0	68.8
NE	.0	20.7	.0	.0	.0	.0	.0	20.7	13.8	.0	.0	.0	.0	.0	65.5
E	20.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	66.7	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	.0	33.3
SW	29.6	.0	.0	.0	.0	.0	.0	29.6	.0	.0	.0	.0	.0	.0	70.4
W	20.6	9.3	5.6	.0	.0	.0	.0	35.5	1.9	.0	7.5	.0	.0	.0	55.1
NW	7.8	5.9	3.9	.0	3.9	.0	3.9	21.6	2.0	.0	.0	.0	.0	.0	76.5
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	.0	.0	.0
TOT PCT	12.0	8.0	4.0	.0	1.0	.0	1.0	25.0	2.0	.0	6.0	.0	.0	.0	67.0
TOT OBS:	100														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	11.1	11.1	.0	.0	.0	.0	.0	22.2	.0	.0	11.1	.0	.0	.0	66.7
0600Z	5.3	5.3	10.3	.0	.0	.0	.0	21.1	.0	.0	10.5	.0	.0	.0	68.4
1201Z	9.7	12.9	6.5	.0	3.2	.0	.0	29.0	6.5	.0	3.2	.0	.0	.0	61.3
1802Z	20.0	.0	.0	.0	.0	.0	4.0	24.0	.0	.0	.0	.0	.0	.0	76.0
TOT PCT	11.8	7.8	3.9	.0	1.0	.0	1.0	24.5	2.0	.0	5.9	.0	.0	.0	67.6
TOT OBS:	102														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.0	5.5	12.8	9.0	.0	.0		27.3	17.0		23.5	45.0	14.3	31.8	29.8	35.0	13.6	23.1
NE	.0	.5	5.8	1.0	.0	.0		7.3	16.7		2.9	15.0	.0	.0	8.3	10.0	18.2	5.8
E	.0	1.0	3.0	1.0	.0	.0		5.0	14.8		17.6	.0	14.3	.0	.0	.0	9.1	.0
SE	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.5	.0	.0	.0	.0		1.5	7.0		8.8	.0	.0	.0	.0	.0	.0	.0
SW	.0	2.3	3.5	1.0	.0	.0		6.8	13.1		5.9	5.0	.0	.0	9.5	5.0	15.9	7.7
W	.0	2.8	12.0	7.0	3.5	1.5		26.8	23.1		17.6	20.0	28.6	54.5	23.8	20.0	20.5	34.6
NW	.0	2.5	7.0	13.0	1.5	1.5		25.5	23.4		23.5	15.0	42.9	13.6	28.6	30.0	22.7	30.8
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	.0	.0	.0	.0
TOT DBS	.0	16	44	32	5	3	100		19.7		17	10	7	11	21	10	11	13
TOT PCT	.0	16.0	44.0	32.0	5.0	3.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	12	18
N	1.0	11.3	14.0	1.0	.0		27.3	17.0		31.5	25.0	31.5	18.8
NE	.0	2.8	4.5	.0	.0		7.3	16.7		7.4	.0	8.9	10.4
E	1.0	2.0	2.0	.0	.0		5.0	14.8		11.1	5.6	.0	4.2
SE	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
S	.5	1.0	.0	.0	.0		1.5	7.0		5.6	.0	.0	.0
SW	.8	5.0	.5	.5	.0		6.8	13.1		5.6	.0	8.1	11.5
W	.8	8.5	10.5	3.5	3.5		26.8	23.1		18.5	44.4	22.6	28.1
NW	1.0	3.5	16.5	3.0	1.5		25.5	23.4		20.4	25.0	29.0	27.1
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
TOT DBS	5	34	48	8	5	100		19.7		27	18	31	24
TOT PCT	5.0	34.0	48.0	8.0	5.0	100.0				100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970

AREA 0017 TIERRA DEL FUEGO
54.85 65.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00&03	.0	.0	25.9	37.0	29.6	.0	7.4	19.1	100.0	27	
06&09	.0	.0	22.2	33.3	27.8	16.7	.0	20.5	100.0	18	
12&15	.0	.0	3.2	64.5	25.8	6.5	.0	19.5	100.0	31	
18&21	.0	.0	16.7	33.3	45.8	.0	4.2	20.2	100.0	24	
TOT	0	0	16	44	32	5	3	19.7		100	
PCT	.0	.0	16.0	44.0	32.0	5.0	3.0		100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	7.4	.9		7.1
E	.0	3.7	7.4	.0		5.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	3.7		8.0
SW	3.7	.0	.9	7.4		5.9
W	.0	1.9	6.5	5.6		6.6
NW	.0	3.6	13.0	18.3		6.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	3	11	12	27	6.4
TOT PCT	3.7	11.1	40.7	44.4	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.0	.0	.0	.0	3.7	3.7	.0	.0	2.8	.0	3.7	
NE	.0	.0	.0	.0	3.7	.0	.0	.0	.9	.0	3.7	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	
SW	3.7	.0	.9	7.4	5.9	.0	3.7	.0	.0	.0	8.3	
W	.0	1.9	6.5	5.6	6.6	.0	3.7	.0	.0	.0	10.2	
NW	.0	3.6	13.0	18.3	6.5	.0	.0	.0	.0	.0	7.4	29.6
VAR	.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
TOT OBS	1	3	11	12	27	6.4	0	0	0	1	2	18
TOT PCT	3.7	11.1	40.7	44.4	100.0		.0	.0	.0	3.7	7.4	66.7

TABLE 7

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

CEILING (FEET)	VSBY (NH)								
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	
>4500	3.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	
>3000	3.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	
>1500	3.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	
>1000	14.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9	
>600	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3	
>300	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3	
>150	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3	
>0	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3	
TOTAL	5	8	9	9	9	9	9	9	

TOTAL NUMBER OF OBS: 27

PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCO	TOTAL OBS
	14.8	3.7	29.6	7.4	11.1	3.7	11.1	7.4	11.1	.0	27

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970

OCTOBER

APEA 0017 TIERRA DEL FUEGO
54.95 65.7W

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	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	2.0
	NO PCP	.0	.0	1.0	.0	.0	.0	.5	.5	.0	.0	.0	1.0
	TOT %	.0	.0	1.0	.0	.0	.0	1.5	.5	.0	.0	.0	3.0
1<2	PCP	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	.0	2.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	.0	2.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
5<10	PCP	3.5	1.5	.0	.0	1.0	1.0	6.0	5.0	.0	.0	.0	18.0
	NO PCP	11.5	3.0	1.0	.0	.5	2.0	12.0	8.0	.0	.0	.0	38.0
	TOT %	15.0	4.5	1.0	.0	1.5	3.0	18.0	13.0	.0	.0	.0	56.0
10+	PCP	1.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	3.0
	NO PCP	10.3	2.8	3.0	.0	.0	2.8	4.8	11.5	.0	.0	.0	35.0
	TOT %	11.3	2.8	3.0	.0	.0	3.8	5.8	11.5	.0	.0	.0	38.0
TOT OBS													100
TOT PCT	27.3	7.3	5.0	.0	1.5	6.8	26.8	25.5	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	2.0
	22+	.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	.0	1.0
	TOT %	.0	.0	1.0	.0	.0	.0	1.5	.5	.0	.0	.0	3.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	.0	2.0
	TOT %	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	.0	2.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	2.5	.5	.0	.0	1.5	1.0	.5	1.0	.0	.0	.0	7.0
	11-21	7.0	3.0	1.0	.0	.0	1.5	9.0	4.5	.0	.0	.0	26.0
	22+	5.5	1.0	.0	.0	.0	.5	8.5	7.5	.0	.0	.0	23.0
	TOT %	15.0	4.5	1.0	.0	1.5	3.0	18.0	13.0	.0	.0	.0	56.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	3.0	.0	1.0	.0	.0	1.3	2.3	1.5	.0	.0	.0	9.0
	11-21	5.8	2.8	1.0	.0	.0	2.0	2.0	2.5	.0	.0	.0	16.0
	22+	2.5	.0	1.0	.0	.0	.5	1.5	7.5	.0	.0	.0	13.0
	TOT %	11.3	2.8	3.0	.0	.0	3.8	5.8	11.5	.0	.0	.0	38.0
TOT OBS													100
TOT PCT	27.3	7.3	5.0	.0	1.5	6.8	26.8	25.5	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970

AREA 0017 TIERRA DEL FUEGO
54.9S 65.7W

TABLE 10

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

HRUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	16.7	.0	.0	.0	16.7	33.3	66.7	6
06009	.0	.0	.0	.0	.0	25.0	.0	.0	.0	25.0	50.0	50.0	4
12015	.0	.0	.0	.0	.0	22.2	.0	.0	11.1	.0	33.3	66.7	9
18021	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	0	2	4	0	0	1	2	9	18	27
PCT	.0	.0	.0	.0	7.4	14.8	.0	.0	3.7	7.4	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	3.7	3.7	.0	66.7	25.9	27
06009	.0	5.3	5.3	.0	47.4	42.1	19
12015	.0	.0	.0	.0	58.1	41.9	31
18021	.0	4.0	.0	4.0	44.0	48.0	25
TOT	0	3	2	1	56	40	102
PCT	.0	2.9	2.0	1.0	54.9	39.2	100.0

TABLE 12

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

HRUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	33.3	66.7	6
06009	.0	.0	.0	50.0	50.0	4
12015	.0	.0	.0	33.3	66.7	9
18021	.0	.0	12.5	12.5	75.0	8
TOT	0	0	1	8	18	27
PCT	.0	.0	3.7	29.6	66.7	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
50/54	.0	.0	.0	.0	1.2	.0	1.2	.0	2	2.4
45/49	.0	.0	.0	1.2	3.6	10.7	11.9	1.2	24	28.6
40/44	.0	.0	.0	.0	4.8	10.7	22.6	25.0	53	63.1
35/39	.0	.0	.0	1.2	1.2	.0	2.4	1.2	5	6.0
TOTAL	0	0	0	2	9	18	32	23	84	100.0
PCT	.0	.0	.0	2.4	10.7	21.4	38.1	27.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.6	1.2	.0	.0	.0	.0	.0	.6	.0	.0
	10.7	4.2	1.2	.0	.0	.9	5.1	6.5	.0	.0
	15.2	3.3	4.8	.0	1.8	7.1	22.0	8.9	.0	.0
	3.6	.0	.0	.0	.0	.0	.0	2.4	.0	.0
	30.1	8.6	6.0	.0	1.8	8.0	27.1	18.5	.0	.0

TABLE 15

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

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	46	45	45	43	40	39	39	42.9	27
06009	47	46	46	43	39	39	39	42.4	19
12015	51	50	49	43	39	39	39	43.3	31
18021	52	51	49	44	39	38	38	44.3	25
TOT	52	51	48	43	39	38	38	43.3	102

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	4.0	4.0	20.0	40.0	32.0	84	25
06009	.0	.0	7.1	21.4	42.9	28.6	84	14
12015	.0	.0	12.0	24.0	48.0	16.0	81	25
18021	.0	9.1	18.2	18.2	18.2	36.4	81	22
TOT	0	3	9	18	32	24	82	86

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PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1927-1970

AREA 0017 TIERRA DEL FUEGO
54.9S 65.7W

TABLE 17

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

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	TOT	W FOG	WO FOG
11/13	.0	.0	.0	1.0	1	.0	1.0
9/10	.0	.0	1.0	.0	1	.0	1.0
7/8	.0	.0	1.0	1.0	2	.0	2.0
6	.0	.0	1.0	.0	1	.0	1.0
5	.0	.0	1.0	.0	1	.0	1.0
4	.0	2.0	2.0	1.0	5	.0	4.9
3	.0	3.9	1.0	1.0	6	.0	5.9
2	.0	7.8	8.8	.0	17	.0	16.7
1	.0	13.7	6.9	.0	21	2.9	17.6
0	1.0	11.8	2.0	.0	15	.0	14.7
-1	1.0	8.9	1.0	.0	9	1.0	7.8
-2	2.9	7.8	.0	.0	11	.0	10.8
-3	5.9	2.0	.0	.0	8	2.0	5.9
-4	2.0	.0	.0	.0	2	.0	2.0
-5	.0	2.0	.0	.0	2	.0	2.0
TOTAL	13	59	26	4	102	6	96
PCT	12.7	57.8	25.5	3.9	100.0	5.9	94.1

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	16.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	16.7
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	33.3

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	16.7	16.7	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0

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

HGT	S							PCT	SW					PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	4.2
5-6	.0	.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	16.7	.0	.0	.0	16.7
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	16.7	.0	.0	.0	20.8

HGT	W							PCT	NW					PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	16.7	.0	.0	.0	.0	16.7
3-4	.0	16.7	16.7	16.7	.0	.0	.0	50.0
5-6	.0	.0	16.7	.0	.0	.0	.0	16.7
7	.0	.0	16.7	.0	.0	.0	.0	16.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	16.7	66.7	16.7	.0	.0	.0	100.0

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	.0	.0	12.0	4.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
6-7	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
8-9	.0	.0	4.0	.0	8.0	12.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7
10-11	.0	.0	.0	.0	4.0	8.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8
12-13	.0	.0	.0	.0	.0	4.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
INDET	.0	.0	4.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3
TOTAL	0	0	6	3	4	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	25	4
PCT	.0	.0	24.0	12.0	16.0	24.0	12.0	12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	10.2	.0	.0	.0	.0	.0	.0	10.2	.0	.0	.0	.0	.0	.0	89.8
NE	44.4	.0	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0	.0	55.6
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	.0	66.7
SW	5.1	.0	.0	.0	10.3	.0	7.7	23.1	.0	.0	.0	.0	.0	.0	74.9
W	13.3	8.7	.0	.0	.0	.0	2.3	24.3	2.3	.0	.0	.0	.0	.0	73.4
NW	17.4	.6	7.5	.0	.0	.0	.0	25.5	2.5	.0	2.5	.0	.0	.0	69.6
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	.0	.0	100.0
TOT PCT	12.8	3.2	2.4	.0	1.6	.0	3.2	23.2	1.6	.0	1.6	.0	.0	.0	73.6
TOT CBS:	125														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	12.8	2.6	5.1	.0	2.6	.0	2.6	25.6	.0	.0	.6	.0	.0	.0	71.8
0600	16.0	4.0	4.0	.0	4.0	.0	.0	28.0	4.0	.0	.0	.0	.0	.0	68.0
1200	7.7	5.1	.0	.0	.0	.0	5.1	17.9	2.6	.0	.0	.0	.0	.0	79.5
1800	16.7	.0	.0	.0	.0	.0	4.2	20.8	.0	.0	2.2	.0	.0	.0	75.0
TOT PCT	12.6	3.1	2.4	.0	1.6	.0	3.1	22.8	1.6	.0	1.6	.0	.0	.0	74.0
TOT CBS:	127														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	2.7	3.4	2.2	.7	.0	9.1	16.7	8.3	13.1	5.0	10.3	5.4	.0	17.5	15.3	
NE	.0	.3	1.0	.2	.0	.0	1.5	13.5	.0	1.2	.0	.0	3.6	.0	.0	5.6	
E	.0	.7	.0	.0	.0	.0	.7	5.0	.0	.0	.0	.0	.0	.0	.0	5.6	
SE	.0	.7	.0	.0	.0	.0	.7	4.0	.0	.0	.0	.0	.0	6.3	.0	.0	
S	.0	.7	1.0	.3	1.7	.0	3.8	25.8	6.3	2.4	.0	.0	7.1	3.1	.0	5.6	
SW	.0	1.4	5.8	5.8	2.4	.0	15.4	22.0	14.6	7.1	10.0	18.4	21.4	12.5	20.0	16.7	
W	.0	8.2	14.6	6.7	3.9	.0	33.4	19.0	18.8	35.7	43.0	34.2	46.4	34.4	47.5	13.9	
NW	1.4	7.9	16.6	5.3	2.9	.0	34.1	16.8	47.9	40.5	40.0	31.6	16.1	43.8	15.0	37.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4						1.4	.0	4.2	.0	.0	5.3	.0	.0	.0	.0	
TOT CBS	4	33	62	30	17	0	146	18.2	24	21	10	19	28	16	10	18	
TOT PCT	2.7	22.6	42.5	20.5	11.6	.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.7	4.5	2.9	1.0	.0	9.1	16.7	10.6	8.6	3.4	16.1	
NE	.0	1.4	.2	.0	.0	1.5	13.5	.6	.0	2.3	3.6	
E	.7	.0	.0	.0	.0	.7	5.0	.0	.0	.0	3.6	
SE	.7	.0	.0	.0	.0	.7	4.0	.0	.0	2.3	.0	
S	.0	1.4	.7	1.4	.3	3.8	25.8	4.4	.0	5.7	3.6	
SW	1.4	2.7	8.2	2.1	1.0	15.4	22.0	11.1	15.5	18.2	17.9	
W	2.7	10.3	13.0	6.7	.7	33.4	19.0	26.7	37.9	42.0	25.9	
NW	3.4	14.7	11.3	3.9	.7	34.1	16.8	44.4	34.5	26.1	29.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4					1.4	.0	2.2	3.4	.0	.0	
TOT OBS	16	51	53	22	4	146	18.2	45	29	44	28	
TOT PCT	11.0	34.9	36.3	15.1	2.7		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	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	2.2	.0	17.8	42.2	26.7	11.1	.0	18.9	100.0	45
06009	3.4	6.9	20.7	31.0	24.1	13.8	.0	18.4	100.0	29
12015	.0	.0	22.7	50.0	18.2	9.1	.0	18.1	100.0	44
18021	.0	.0	32.1	42.9	10.7	14.3	.0	17.1	100.0	28
TOT	2	2	33	62	30	17	0	18.2		146
PCT	1.4	1.4	22.6	42.5	20.5	11.6	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.9		8.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	3.4	3.4		7.0
W	12.9	6.9	10.3	12.9		4.5
NW	4.3	6.9	13.8	1.7		4.9
VAR	.0	.0	.0	.0		.0
CALM	.0	3.4	.0	.0		4.0
TOT OBS	5	7	9	8	29	5.1
TOT PCT	17.2	24.1	31.0	27.6	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	2.6	.0	.0	.0	2.6	.0	13.8	
.0	.0	.0	.0	.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	3.4	.0	.0	.0	.0	.0	.0	
.0	.0	2.6	3.4	6.9	3.4	.0	.0	.0	.0	.0	
.0	.0	.9	3.4	4.3	.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	1	2	5	1	0	0	1	0	0	
.0	.0	3.4	6.9	17.2	3.4	.0	.0	3.4	.0	65.5	29

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50VD	>0
>500	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>900	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>3500	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>2000	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
>1000	10.3	20.7	20.7	24.1	24.1	24.1	24.1	24.1
>600	10.3	27.6	27.6	31.0	31.0	31.0	31.0	31.0
>300	10.3	31.0	31.0	34.5	34.5	34.5	34.5	34.5
>150	10.3	31.0	31.0	34.5	34.5	34.5	34.5	34.5
>0	10.3	31.0	31.0	34.5	34.5	34.5	34.5	34.5
TOTAL	3	9	9	10	10	10	10	10

TOTAL NUMBER OF OBS: 29

PCT FREQ NH <5/8: 65.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.0	27.3	9.1	12.1	12.1	9.1	9.1	3.0	15.2	33

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54.65 65.54

TABLE 8

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

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.4	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.4	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.4	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.4	.0
1<2	PCP	.0	.8	.0	.0	.0	.0	.8	.8	.0	.0	2.4	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.8	.0	.0	.0	.0	.8	.8	.0	.0	2.4	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.8	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.8	.0
5<10	PCP	.0	.0	.0	.0	1.2	3.6	3.4	4.6	.0	.0	12.8	.0
	NO PCP	2.2	.4	.0	.8	1.6	10.4	17.6	13.4	.0	.0	46.4	.0
	TOT %	2.2	.4	.0	.8	2.8	14.0	21.0	18.0	.0	.0	59.2	.0
10+	PCP	.6	.0	.0	.0	.0	3.8	.4	.0	.0	.0	4.8	.0
	NO PCP	5.6	.6	.8	.0	.8	1.6	8.6	10.6	.0	.0	30.4	.0
	TOT %	7.2	.6	.8	.0	.8	1.6	12.4	11.0	.0	.0	35.2	.0
TOT OBS												125	
TOT PCT		9.8	1.8	.8	.8	3.6	15.6	34.6	32.2	.0	.8	100.0	

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.4	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	.0
	TOT %	.4	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.4	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.8	.0	.0	.0	.0	.4	1.2	.0	.0	2.4	.0
	22+	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	.0
	TOT %	.0	.8	.0	.0	.0	.0	1.2	1.2	.0	.0	3.1	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.8	.8	.0	.0	1.6	.0
	TOT %	.0	.0	.0	.0	.0	.0	.8	.8	.0	.0	1.6	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.0	.4	.0	.8	.0	1.6	3.9	3.3	.0	.0	11.0	.0
	11-21	.4	.0	.0	.0	.4	5.1	9.8	10.2	.0	.0	26.0	.0
	22+	.8	.0	.0	.0	2.4	7.1	6.9	4.1	.0	.0	21.3	.0
	TOT %	2.2	.4	.0	.8	2.8	13.8	20.7	17.7	.0	.0	58.3	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	.0
	4-10	1.4	.0	.8	.0	.0	.0	3.1	1.8	.0	.0	7.1	.0
	11-21	3.5	.4	.0	.0	.8	1.6	5.3	5.7	.0	.0	17.3	.0
	22+	2.2	.2	.0	.0	.0	.0	3.7	3.3	.0	.0	9.4	.0
	TOT %	7.1	.6	.8	.0	.8	1.6	12.2	10.8	.0	.8	34.6	.0
TOT OBS												127	
TOT PCT		9.6	1.8	.8	.8	3.5	15.4	34.8	32.5	.0	.8	100.0	

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	11.1	.0	11.1	.0	.0	.0	11.1	.0	53.3	66.7	9
06009	.0	.0	.0	25.0	25.0	.0	.0	.0	.0	.0	50.0	50.0	4
12015	.0	.0	.0	11.1	11.1	11.1	.0	.0	.0	.0	33.3	66.7	9
18021	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	22.2	77.8	9
TOT	0	0	1	2	5	1	0	0	1	0	10	21	31
PCT	.0	.0	3.2	6.5	16.1	3.2	.0	.0	3.2	.0	32.3	67.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	5.0	2.5	62.5	30.0	40
06009	.0	8.0	4.0	.0	68.0	20.0	25
12015	.0	2.6	2.6	.0	56.4	38.5	39
18021	.0	.0	.0	4.0	48.0	48.0	25
TOT	0	3	4	2	76	44	129
PCT	.0	2.3	3.1	1.6	58.9	34.1	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	12.5	25.0	12.5	62.5	8
06009	.0	.0	25.0	25.0	50.0	4
12015	.0	.0	12.5	25.0	62.5	8
18021	.0	.0	.0	22.2	77.8	9
TOT	0	1	4	6	19	29
PCT	.0	3.4	13.8	20.7	65.5	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
50/34	.0	.0	.0	.9	2.6	1.7	.0	.0	6	5.2
45/49	.0	.0	.0	.9	5.2	16.4	19.0	3.4	52	44.8
40/44	.0	.0	.0	.0	4.3	4.3	13.8	19.8	49	42.2
35/39	.0	.0	.0	.0	1.7	3.4	.9	.0	7	6.0
30/34	.0	.0	.0	.0	.0	1.7	.0	.0	2	1.7
TOTAL	0	0	0	2	14	28	44	28	116	100.0
PCT	.0	.0	.0	1.7	12.1	24.1	37.9	24.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
50/34	.9	.0	.0	.0	.9	.0	.4	3.0	.0	.0
45/49	4.1	1.1	.9	.9	1.3	4.7	17.7	13.4	.0	.9
40/44	5.0	.0	.0	.0	.4	7.8	13.6	14.7	.0	.9
35/39	.0	.0	.0	.0	2.2	3.0	.0	.9	.0	.0
30/34	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0
TOTAL	9.9	1.1	.9	.9	4.7	17.2	31.7	31.9	.0	1.7

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	50	49	49	44	36	34	34	43.7	47
06009	49	48	48	42	36	34	34	42.5	31
12015	51	50	50	45	39	35	35	45.0	48
18021	50	49	49	45	41	37	37	45.6	29
TOT	51	50	50	44	37	34	34	44.2	155

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	5.3	23.7	39.5	31.6	84	38		
06009	.0	.0	13.6	18.2	31.8	36.4	84	22		
12015	.0	5.7	14.3	25.7	42.9	11.4	79	35		
18021	.0	.0	18.2	31.8	31.8	18.2	78	22		
TOT	0	2	14	29	44	28	82	117		

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PERIOD: (PRIMARY) 1924-1973
(OVER-ALL) 1921-1973

AREA 0017 TIERRA DEL FUEGO
54.65 65.3W

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	33 36	37 40	41 44	45 48	49 52	TOT	H FOG	WD FNG
7/8	.0	.0	.0	.0	1.7	2	.0	1.7
6	.0	.0	.0	.0	1.7	2	.0	1.7
5	.0	.0	.0	2.5	4.2	8	.0	6.8
4	.0	.0	.0	5.9	.0	7	.0	5.9
3	.0	.0	.0	11.0	2.5	16	.0	13.6
2	.0	.0	6.8	9.3	.0	19	.0	16.1
1	.0	.0	6.8	5.9	.0	15	.8	11.9
0	.0	2.5	12.7	3.4	.0	22	.8	17.8
-1	.0	.8	5.9	1.7	.0	10	.0	8.5
-2	.0	.8	1.7	.0	.0	3	.0	2.5
-3	.0	2.5	1.7	.0	.0	5	.0	4.2
-4	1.7	2.5	.0	.0	.0	5	.0	4.2
-5	.8	.0	.0	.0	.0	1	.0	.8
-6	.0	.8	.0	.0	.0	1	.0	.8
-7/-8	.8	.0	.0	.0	.0	1	.0	.8
-9/-10	.8	.0	.0	.0	.0	1	.0	.8
TOTAL	5	12	42	47	12	118	2	116
PCT	4.2	10.2	35.6	39.8	10.2	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	3.3	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.3	5.8	.0	.0	9.2	.0	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.0	3.3	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	6.7	9.2	.0	.0	18.3	.0	.0	.0	.8	.0	.0	.0	.8

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1973

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AREA 0017 TIERRA DEL FUEGO
34.65 65.5W

TABLE 18 (CONT)

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

HGT	S							SW						
	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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	3.3
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	3.3	.0	.0	3.3
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	6.7

HGT	W							NW							TOTAL PCT
	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	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7	.0	.8	.0	.0	.0	.0	.8	.8
3-4	.0	3.3	6.7	.0	.0	.0	10.0	.0	.0	10.0	.0	.0	.0	10.0	10.0
5-6	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.8	.0	.0	.0	.8	.8
7	.0	.0	3.3	.0	.0	.0	3.3	.0	.0	3.3	.0	.0	.0	3.3	3.3
8-9	.0	.0	3.3	.0	.0	.0	3.3	.0	.0	3.3	.0	.0	.0	3.3	3.3
10-11	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	2.5	.0	2.5	.0	.0	.0	.0	4.2	.0	4.2	4.2
13-16	.0	.0	.0	3.3	3.3	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	3.3	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	3.3	3.3
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	10.0	15.8	10.0	9.2	.0	45.0	.0	.8	17.5	.0	7.5	.0	25.8	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	3.3	.0	.0	.0	.0	.0	3.3	
1-2	.0	10.0	3.3	.0	.0	.0	13.3	
3-4	.0	3.3	23.3	6.7	.0	.0	33.3	
5-6	.0	.0	3.3	3.3	.0	.0	6.7	
7	.0	.0	6.7	.0	.0	.0	6.7	
8-9	.0	.0	6.7	3.3	.0	.0	10.0	
10-11	.0	.0	.0	6.7	.0	.0	6.7	
12	.0	.0	.0	.0	6.7	.0	6.7	
13-16	.0	.0	.0	3.3	3.3	.0	6.7	
17-19	.0	.0	.0	.0	3.3	.0	3.3	
20-22	.0	.0	.0	.0	3.3	.0	3.3	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	13.3	43.3	23.3	16.7	.0	100.0	30

PERIOD: (OVER-ALL) 1964-1973

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	.0	6.7	30.0	.0	6.7	10.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	5	
6-7	.0	.0	.0	.0	3.3	.0	3.3	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	12
8-9	.0	.0	.0	.0	3.3	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
10-11	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	17
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	3.3	.0	.0	.0	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
TOTAL	1	2	9	0	5	3	1	1	2	4	2	0	0	0	0	0	0	0	0	0	30	8	
PCT	3.3	6.7	30.0	.0	16.7	10.0	3.3	3.3	6.7	13.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		

PERIOD: (PRIMARY) 1956-1970
(OVER-ALL) 1928-1970

DECEMBER

AREA 0017 TIERRA DEL FUEGO
54.85 69.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	.0	.0	.0	90.3
NE	9.4	.0	.0	.0	.0	.0	.0	9.4	.0	.0	15.1	.0	.0	.0	75.5
E	26.9	.0	.0	.0	.0	.0	.0	26.9	.0	.0	30.8	.0	.0	.0	42.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	13.3	.0	.0	.0	76.7
SW	3.5	.0	.9	.0	.0	.0	.0	4.4	5.3	.0	3.5	.0	3.5	.0	83.3
W	6.2	5.5	.0	.0	.0	.0	.0	11.7	9.7	.0	4.1	.0	.0	.0	74.5
NW	7.2	4.1	.0	.0	.0	.0	.0	11.3	4.1	.0	12.4	.0	.0	.0	72.2
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	.0	.0	.0	.0	.0	100.0
TOT PCT	5.8	2.2	.7	.0	.0	.0	.0	8.7	4.3	.0	8.7	.0	.7	.0	77.5
TOT OBS:	138														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0603	5.3	2.6	.0	.0	.0	.0	.0	7.9	5.3	.0	10.5	.0	.0	.0	76.3
0609	3.3	.0	3.3	.0	.0	.0	.0	6.7	.0	.0	3.3	.0	3.3	.0	86.7
1215	5.3	5.3	.0	.0	.0	.0	.0	10.5	7.9	.0	13.8	.0	.0	.0	65.8
1821	9.1	.0	.0	.0	.0	.0	.0	9.1	3.0	.0	6.1	.0	.0	.0	81.8
TOT PCT	5.8	2.2	.7	.0	.0	.0	.0	8.6	4.3	.0	9.4	.0	.7	.0	77.0
TOT OBS:	139														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47						00	03	06	09	12	15	18	21
N	.6	2.9	8.1	.5	.0	.0		12.2	13.2		8.1	15.9	15.6	11.1	8.6	6.3	15.4	20.8
NE	.6	2.1	2.6	4.1	.0	.0		9.4	16.4		7.3	18.2	12.5	.0	5.2	2.1	7.7	29.2
E	.0	2.4	1.9	1.0	.0	.0		5.4	12.9		5.6	.0	4.2	11.1	6.0	14.6	3.8	.0
SE	.0	1.3	.8	.2	.0	.0		2.3	11.1		9.7	.0	.0	.0	.0	2.1	1.0	.0
S	.6	2.9	1.5	.3	.0	.0		5.4	9.0		3.2	4.5	.0	8.3	6.9	20.8	5.8	.0
SW	.0	5.7	8.0	5.0	1.3	.0		20.0	17.0		21.0	13.6	27.1	30.6	23.3	12.5	14.4	12.5
W	.0	4.2	11.9	7.0	2.6	.0		25.6	19.4		23.9	13.6	13.5	11.1	31.0	29.2	27.9	29.2
NW	.0	7.6	7.5	2.1	.6	.0		17.9	13.8		11.3	34.1	18.8	27.8	19.0	12.5	20.2	8.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0		.0	.0	8.3	.0	.0	.0	3.8	.0
TOT OBS	6	45	65	31	7	0	154		15.4		31	11	24	9	29	12	26	12
TOT PCT	3.9	29.2	42.2	20.1	4.5	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40						00	06	12	18	
N	1.3	8.0	2.9	.0	.0		12.2	13.2		10.1	14.4	7.9	17.1	
NE	2.1	2.4	4.2	.6	.0		9.4	16.4		10.1	9.1	4.3	14.5	
E	1.1	3.2	1.0	.0	.0		5.4	12.9		4.2	6.1	8.5	2.6	
SE	.6	1.5	.2	.0	.0		2.3	11.1		7.1	.0	.6	.7	
S	3.1	1.5	.8	.0	.0		5.4	9.0		3.6	2.3	11.0	3.9	
SW	2.9	8.4	6.2	1.8	.6		20.0	17.0		19.0	28.0	20.1	13.8	
W	.8	11.2	9.6	3.7	.3		25.6	19.4		28.6	12.9	30.5	28.3	
NW	2.3	11.2	2.4	1.6	.3		17.9	13.8		17.3	21.2	17.1	16.4	
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
CALM	1.9						1.9	.0		.0	6.1	.0	2.6	
TOT OBS	25	73	42	12	2	154		15.4		42	33	41	38	
TOT PCT	16.2	47.4	27.3	7.8	1.3		100.0			100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1956-1970
(OVER-ALL) 1928-1970

AREA 0017 TIERRA DEL FUEGO
54.8S 65.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47					
00603	.0	2.4	31.0	42.9	21.4	2.4	.0	15.1	100.0	42	
06609	6.1	.0	33.3	33.3	21.2	6.1	.0	15.0	100.0	33	
12615	.0	2.4	24.4	39.0	24.4	9.8	.0	17.3	100.0	41	
18621	2.6	2.6	28.9	52.6	13.2	.0	.0	13.9	100.0	38	
TOT	3	3	45	65	31	7	0	15.4		154	
PCT	1.9	1.9	29.2	42.2	20.1	4.5	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.2	4.7	3.9		7.1
E	.0	.6	1.7	2.4		7.0
SE	.0	1.1	1.7	.0		5.5
S	.0	1.5	3.2	.9		5.8
SW	3.0	1.9	15.3	2.6		5.7
W	3.9	3.2	8.0	9.9		5.9
NH	1.7	2.8	7.5	2.6		5.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.9	1.7	.0		5.0
TOT OBS	11	16	60	29	116	5.9
TOT PCT	9.5	13.8	51.7	25.0	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	8.6	
.0	.0	.9	.0	2.2	2.8	.0	.9	.0	.0	2.2	
.0	.0	.9	.9	2.4	.0	.0	.0	.0	.0	.6	
.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	1.1	
.0	.0	.0	1.5	.0	.0	.4	.0	.0	.0	3.7	
.0	.0	.4	.9	2.4	6.7	2.7	.0	.0	.0	10.3	
.0	.0	1.3	1.7	4.3	6.0	.0	.0	.0	.0	11.6	
.0	.0	.0	.0	4.3	1.1	.0	.0	.0	.0	9.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	1.7	
.0	.0	3	4	25	23	3	1	0	0	37	116
.0	.0	2.6	3.4	21.6	19.8	2.6	.9	.0	.0	49.1	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.9	.9	.9	.9	.9	.9	.9
>3500	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>2000	12.9	18.1	22.4	23.3	23.3	23.3	23.3	23.3
>1000	23.0	38.8	44.0	44.8	44.8	44.8	44.8	44.8
>600	23.0	40.5	46.6	47.4	48.3	48.3	48.3	48.3
>300	26.7	42.2	49.1	50.0	50.9	50.9	50.9	50.9
>150	26.7	42.2	49.1	50.0	50.9	50.9	50.9	50.9
>0	26.7	42.2	49.1	50.0	50.9	50.9	51.7	51.7
TOTAL	31	49	57	58	59	59	60	60

TOTAL NUMBER OF OBS: 116

PCT FREQ NH <5/8: 48.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
1.7	12.4	17.4	11.6	6.6	5.8	14.0	14.0	16.5	.0	121

DECEMBER

PERIOD: (PRIMARY) 1956-1970
(OVER-ALL) 1928-1970

AREA 0017 TIERRA DEL FUEGO
54.85 65.4W

TABLE 8

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

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7
1<2	PCP	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.7
	NO PCP	.0	.0	.0	.0	.0	.7	.7	.0	.0	.0	.0	1.4
	TOT %	.0	.0	.0	.0	.0	.7	1.1	.4	.0	.0	.0	2.2
2<5	PCP	.0	.9	1.3	.0	.0	.0	.7	.0	.0	.0	.0	2.9
	NO PCP	.0	.0	.0	.0	.0	.9	2.0	.0	.0	.0	.0	2.9
	TOT %	.0	.9	1.3	.0	.0	.9	2.7	.0	.0	.0	.0	5.8
5<10	PCP	.0	.0	.0	.0	.5	.9	2.7	1.6	.0	.0	.0	5.8
	NO PCP	3.8	2.3	.7	.0	2.0	5.0	7.9	7.7	.0	.0	.0	29.5
	TOT %	3.8	2.3	.7	.0	2.5	5.9	10.6	9.4	.0	.0	.0	35.3
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	7.4	6.3	2.0	2.3	2.9	12.9	12.4	7.7	.0	2.2	.0	56.1
	TOT %	7.4	6.3	2.0	2.3	2.9	12.9	12.4	7.7	.0	2.2	.0	56.1
TOT OBS													139
TOT PCT		11.2	9.5	4.7	2.3	5.4	20.5	26.8	17.4	.0	2.2	100.0	

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.7	1.1	.4	.0	.0	.0	2.2
	TOT %	.0	.0	.0	.0	.0	.7	1.1	.4	.0	.0	.0	2.2
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
	11-21	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	1.4
	22+	.0	.9	.5	.0	.0	.9	1.3	.0	.0	.0	.0	3.6
	TOT %	.0	.9	1.3	.0	.0	.9	2.7	.0	.0	.0	.0	5.8
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.7	.0	2.0	1.6	1.8	1.8	.0	.0	.0	7.9
	11-21	3.8	1.6	.0	.0	.5	2.7	4.3	5.8	.0	.0	.0	18.7
	22+	.0	.7	.0	.0	.0	1.6	4.5	1.8	.0	.0	.0	8.6
	TOT %	3.8	2.3	.7	.0	2.5	5.9	10.6	9.4	.0	.0	.0	35.3
10+	0-3	.7	.7	.0	.0	.7	.0	.0	.0	.0	2.2	.0	4.3
	4-10	3.2	2.3	1.3	1.4	1.3	4.0	1.8	5.6	.0	.0	.0	20.9
	11-21	3.4	1.1	.7	.9	.5	5.2	6.8	1.4	.0	.0	.0	20.1
	22+	.0	2.2	.0	.0	.4	3.8	3.8	.7	.0	.0	.0	10.8
	TOT %	7.4	6.3	2.0	2.3	2.9	12.9	12.4	7.7	.0	2.2	.0	56.1
TOT OBS													139
TOT PCT		11.2	9.5	4.7	2.3	5.4	20.5	26.8	17.4	.0	2.2	100.0	

DECEMBER

PERIOD: (PRIMARY) 1955-1970
(OVER-ALL) 1928-1970

AREA 0017 TIERRA DEL FUEGO
54.85 65.4W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	6.5	3.2	16.1	16.1	3.2	3.2	.0	.0	48.4	51.6	31
06009	.0	.0	3.8	7.7	23.1	23.1	7.7	.0	.0	.0	65.4	34.6	26
12015	3.0	.0	.0	3.0	24.2	15.2	.0	.0	.0	.0	45.5	54.5	33
18021	.0	.0	.0	.0	20.0	23.3	.0	.0	.0	.0	43.3	56.7	30
TOT	1	0	3	4	25	23	3	1	0	0	60	60	120
PCT	.8	.0	2.5	3.3	20.8	19.2	2.5	.8	.0	.0	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	2.6	5.3	5.3	34.2	52.6	38
06009	.0	.0	.0	6.5	35.5	58.1	31
12015	2.6	.0	2.6	2.6	44.7	47.4	38
18021	.0	.0	.0	9.1	24.2	66.7	33
TOT	1	1	3	8	49	78	140
PCT	.7	.7	2.1	5.7	35.0	55.7	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	10.0	13.3	36.7	50.0	30
06009	.0	3.8	15.4	50.0	34.6	26
12015	3.2	3.2	12.9	35.5	51.6	31
18021	.0	.0	10.3	34.5	55.2	29
TOT	1	5	15	45	56	116
PCT	.9	4.3	12.9	38.8	48.3	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
59/59	.0	.0	.7	.7	.0	.0	.0	.0	2	1.5
50/54	.0	.0	.0	.7	.7	3.7	3.7	1.5	14	10.4
49/49	.0	.0	.0	.0	5.9	9.6	20.7	11.1	64	47.4
40/44	.0	.0	.0	.7	3.0	3.7	16.3	15.6	93	39.3
33/39	.0	.0	.0	.0	.0	.7	.0	.7	2	1.5
TOTAL	0	0	1	3	13	24	55	39	135	100.0
PCT	.0	.0	.7	2.2	9.6	17.8	40.7	28.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.4	1.1	.0	.0	.0
2.0	.7	.0	.0	.6	1.3	1.1	3.1	.0	1.5
8.5	3.7	.6	.7	1.9	7.0	14.4	10.6	.0	.0
2.2	5.4	3.5	.9	3.0	10.7	8.0	4.8	.0	.7
.6	.2	.7	.0	.0	.0	.0	.0	.0	.0
13.3	10.0	4.8	1.7	5.4	19.4	24.6	18.5	.0	2.2

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	49	48	48	45	41	40	40	45.3	44
06009	51	50	50	44	40	40	40	44.6	34
12015	57	56	51	45	39	39	39	45.5	44
18021	59	58	53	47	40	39	39	46.3	37
TOT	59	57	51	45	40	39	39	45.4	159

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.6	10.5	21.1	28.9	36.8	84	38
06009	.0	.0	6.9	10.3	48.3	34.5	86	29
12015	.0	5.4	5.4	16.2	45.9	27.0	83	37
18021	.0	3.1	15.6	21.9	40.6	18.8	81	32
TOT	0	4	13	24	55	40	83	136

DECEMBER

PERIOD: (PRIMARY) 1956-1970
(OVER-ALL) 1926-1970

AREA 0017 TIERRA DEL FUEGO
54.85 65.4W

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	37	41	45	49	53	57	TOT	% FOG	% FOG
11/13	.0	.0	.0	.0	.0	.7	1	.0	.7
9/10	.0	.0	.0	.0	.7	.7	2	.0	1.5
7/8	.0	.0	.0	1.5	.0	.0	2	.0	1.5
6	.0	.0	.7	.0	.7	.0	2	.0	1.5
5	.0	.0	2.2	2.2	.0	.0	6	.0	4.4
4	.0	.7	.7	1.5	.0	.0	4	.0	2.9
3	.0	.0	4.4	1.5	.0	.0	8	1.5	4.4
2	.0	1.5	6.6	2.9	.0	.0	15	.0	11.0
1	.7	8.1	10.3	2.2	.0	.0	29	3.7	17.6
0	.7	5.1	10.3	1.5	.0	.0	24	.7	16.9
-1	.7	7.4	5.1	.0	.0	.0	18	1.5	11.8
-2	.7	6.6	.7	.0	.0	.0	11	.7	7.4
-3	.7	3.7	.0	.0	.0	.0	6	.0	4.4
-4	1.5	2.2	.0	.0	.0	.0	5	.7	2.9
-5	.0	.7	.0	.0	.0	.0	1	.0	.7
-7/-8	.0	1.5	.0	.0	.0	.0	2	.0	1.5
TOTAL	7	51	56	18	2	2	136	12	124
PCT	5.1	37.5	41.2	13.2	1.5	1.5	100.0	8.8	91.2

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.3	.0	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	3.2	3.8	.0	.0	.0	7.0	.0	2.8	.0	.0	.0	.0	2.8
3-4	.0	2.5	4.1	.0	.0	.0	6.6	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	1.3
8-9	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	2.5	.0	.0	2.5
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	1.3	.0	.0	1.3
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	5.7	9.8	.0	.0	.0	16.8	1.3	2.8	2.2	5.4	.0	.0	11.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	2.5	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.0	.9	.0	.0	.9	.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	.0	2.2	2.5	.9	.0	.0	5.7	.0	.0	.3	.0	.0	.0	.3

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3
1-2	1.3	2.2	.9	.0	.0	.0	4.4	.0	2.8	1.6	.0	.0	.0	.0	4.4
3-4	.0	.9	.9	.0	.0	.0	1.9	.0	.3	1.3	1.3	.0	.0	.0	2.8
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.3	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.6	1.3	.0	.0	3.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.3
12	.0	.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	.0
17-19	.0	.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	1.3	.0	.0	1.3
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	1.3	3.2	1.9	.0	.0	.0	6.3	.0	5.7	4.4	3.5	2.5	.0	16.1	

HGT	W						PCT	NW						TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5
1-2	.0	3.2	2.5	.0	.0	.0	5.7	.0	2.5	5.1	.0	.0	.0	.0	7.6
3-4	.0	1.3	.0	1.3	.0	.0	2.5	.0	1.0	.0	.0	.0	.0	.0	1.3
5-6	.0	1.3	2.2	2.2	.0	.0	5.7	.0	.0	.3	1.3	.0	.0	.0	1.6
7	.0	.0	.9	3.5	.0	.0	4.4	.0	.0	1.3	.0	.0	.0	.0	1.3
8-9	.0	.0	1.3	.9	2.5	.0	4.7	.0	.0	1.9	.0	.0	.0	.0	1.9
10-11	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	5.7	7.0	9.2	2.5	.0	24.4	.0	6.3	8.3	1.3	.0	.0	16.1	97.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	5.1	5.1	.0	.0	.0	.0	10.1	
1-2	1.3	17.7	16.5	.0	.0	.0	35.4	
3-4	.0	6.3	8.9	2.5	.0	.0	17.7	
5-6	.0	2.5	2.5	5.1	.0	.0	10.1	
7	.0	.0	2.5	6.3	1.3	.0	10.1	
8-9	.0	.0	5.1	3.8	2.5	.0	11.4	
10-11	.0	.0	1.3	1.3	.0	.0	2.5	
12	.0	.0	.0	1.3	.0	.0	1.3	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	1.3	.0	1.3	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	31.6	36.7	20.3	5.1	.0	100.0	79

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	1.0	11.7	15.5	6.8	3.9	2.9	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	4
6-7	.0	3.9	6.8	4.9	4.9	1.0	7.8	1.9	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	7
8-9	.0	1.0	2.9	1.0	1.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
10-11	.0	4.9	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
12-13	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	1.0	.0	1.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
TOTAL	1	23	26	14	14	10	9	3	1	1	1	0	0	0	0	0	0	0	0	0	109	5
PCT	1.0	22.3	25.2	13.6	13.6	9.7	8.7	2.9	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY BLWG SNOW	NO SIG WEA
N	9.5	3.1	2.4	.0	.6	.0	.0	15.5	.5	.8	13.0	.2	.0	.0	.0	70.0
NE	14.0	4.1	3.8	.0	2.7	.0	.8	25.4	2.4	.0	11.8	.0	.0	.0	.0	60.4
E	15.9	1.6	3.3	.0	1.9	.0	.0	22.6	3.3	.0	20.8	.0	.0	.0	.0	45.0
SE	8.4	1.3	.5	1.0	8.5	.0	.0	18.9	.8	.0	16.3	.0	.0	.0	.0	47.3
S	8.6	1.5	1.5	.3	9.1	.4	4.4	24.9	2.0	.0	10.4	.0	.3	.0	.0	62.4
SW	7.2	4.8	1.9	.0	7.3	.4	3.4	25.0	4.5	.1	5.8	.0	.5	.0	.0	64.3
W	8.0	7.5	2.9	.0	4.7	.2	1.1	23.9	2.0	.0	6.6	.0	.2	.0	.0	67.3
NW	7.0	3.5	3.4	.0	.5	.3	1.1	15.5	1.4	.0	9.9	.0	.7	.0	.0	72.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0	2.1	.0	.0	.0	.0	.0	3.1	1.7	.0	.0	.0	.0	.0	.0	70.2
TOT PCT	8.5	4.7	2.7	*	3.6	.2	1.4	20.7	2.2	.2	9.8	*	.3	.0	.0	66.8
TOT OBS:	2180															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY BLWG SNOW	NO SIG WEA
0000	9.5	5.0	2.7	.1	2.2	.2	1.1	20.6	1.9	.1	10.9	.1	.0	.0	.0	66.3
0600	8.0	5.5	4.0	.0	4.1	.0	1.0	22.3	1.3	.5	8.5	.0	.3	.0	.0	67.2
1200	6.8	5.1	2.1	.0	4.4	.5	1.7	20.1	2.7	.2	11.2	.0	.1	.0	.0	65.7
1800	9.2	3.4	2.2	.0	3.5	.0	1.6	19.9	2.7	.0	8.4	.0	.7	.0	.0	68.4
TOT PCT	8.4	4.8	2.7	*	3.5	.2	1.4	20.7	2.2	.2	9.9	*	.2	.0	.0	66.8
TOT OBS:	2242															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.4	4.7	7.6	3.1	.3	.0	16.0	15.2	17.2	19.0	13.6	18.3	13.5	15.1	15.2	15.7
NE	.1	2.1	3.6	1.6	.1	.0	7.5	15.2	6.7	9.3	7.8	5.7	7.7	6.6	6.1	9.9
E	.1	1.4	1.5	1.0	.1	.0	4.2	13.2	6.2	4.7	5.2	3.7	3.0	2.6	4.8	2.6
SE	.1	1.3	1.1	.7	*	.0	3.2	12.2	3.5	2.6	2.8	2.4	3.6	4.1	2.8	2.5
S	.2	2.0	2.9	2.0	.7	*	7.7	16.7	7.4	6.7	6.0	7.0	8.0	9.1	9.4	9.5
SW	.3	3.1	7.1	4.4	1.2	.2	16.2	18.8	16.2	11.0	19.5	17.2	17.5	14.8	19.9	15.8
W	.2	4.2	10.7	6.9	1.9	.5	24.3	19.6	22.6	22.4	25.7	23.3	25.1	27.3	25.3	22.5
NW	.4	4.5	9.3	4.4	1.1	.1	19.7	17.0	19.0	24.3	16.6	21.2	20.1	19.2	15.8	21.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.2	.0	2.8	1.1	1.6	1.1	.8	.0
TOT OBS							2342		410	235	232	270	415	249	257	274
TOT PCT	3.0	23.2	43.7	24.0	5.2	.8	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.8	7.7	5.4	1.2	.1	16.0	15.2	18.1	16.7	14.0	15.7
NE	.9	3.4	2.7	.4	*	7.5	15.2	7.5	6.8	7.5	8.1
E	1.0	1.5	1.2	.4	.1	4.2	13.2	5.8	4.2	2.9	3.9
SE	.6	1.3	.8	.5	.0	3.2	12.2	3.3	2.9	3.9	2.6
S	1.0	2.7	2.5	1.4	.2	7.7	16.7	7.2	6.2	8.2	9.2
SW	1.6	5.8	5.8	2.6	.5	16.2	18.8	14.3	17.4	16.5	17.1
W	1.2	8.8	9.4	3.9	1.0	24.3	19.6	22.9	25.1	25.8	23.6
NW	1.9	7.7	7.5	2.1	.5	19.7	17.0	20.3	18.8	19.9	19.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2					1.2	.0	.7	1.9	1.4	.5
TOT OBS						2342		645	502	664	531
TOT PCT	11.2	38.8	35.2	12.4	2.4	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)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	.7	1.1	24.9	45.5	22.2	4.5	1.1	17.1	100.0	645
0600	1.9	2.5	25.4	37.5	24.8	7.1	.7	17.4	100.0	502
1200	1.4	1.8	20.8	43.7	26.0	5.7	.6	17.9	100.0	664
1800	.5	2.1	22.8	46.5	23.2	4.1	.9	17.0	100.0	531
TOT								17.4		2342
PCT	1.2	1.8	23.2	43.7	24.0	5.2	.8	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.8	.4	1.8	3.7		6.3
E	.1	.4	2.1	2.7		5.7
SE	1.0	.3	.9	1.1		3.7
S	.3	.8	3.4	3.3		4.9
SW	4.1	1.5	7.3	4.9		5.4
W	4.6	2.7	8.0	9.4		5.9
NW	1.9	2.6	5.5	5.6		5.1
VAR	.0	.0	.0	.0		.0
CALM	.2	.5	.6	.1		2.5
TOT OBS					993	5.9
TOT PCT	14.1	11.0	34.7	40.2	100.0	

TABLE 6

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

WIND DIR	NH <5/8										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.3	.0	.2	2.6	3.2	2.1	.1	.1	.9	.1	6.8	
NE	.5	.0	.1	.1	2.1	1.1	.2	.1	.2	.0	2.2	
E	.1	.0	.8	1.7	.6	.3	.1	.0	.0	.1	1.5	
SE	.1	.0	.3	.6	.4	.2	.0	.0	.1	.1	1.6	
S	.0	.0	.4	3.3	1.1	.6	.0	.0	.0	.0	2.3	
SW	.0	.0	.1	1.7	3.3	2.3	.7	.1	.0	.0	8.7	
W	.1	.0	.4	1.9	4.6	4.0	.9	.1	.1	.1	12.4	
NW	.0	.0	.2	.9	2.1	1.1	.6	.0	.2	.8	9.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.2	
TOT OBS	1.2	*	1.1	8.9	22.9	12.8	3.4	.5	1.6	1.2	46.2	993
TOT PCT												100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	1.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8
>5000	1.7	3.2	3.2	3.2	3.2	3.2	3.2	3.2
>3500	3.1	6.6	7.0	7.0	7.0	7.0	7.0	7.0
>2000	11.8	18.7	19.6	19.7	19.7	19.7	19.7	19.7
>1000	21.9	38.5	41.3	41.8	42.0	42.0	42.0	42.0
>600	24.9	45.8	49.2	50.0	50.2	50.3	50.4	50.4
>300	25.6	46.9	50.4	51.2	51.5	51.5	51.7	51.7
>150	25.6	46.9	50.4	51.3	51.5	51.6	51.7	51.7
>0	25.6	46.9	50.5	51.5	51.7	52.4	52.9	52.9

TOTAL NUMBER OF OBS: 1021

PCT FREQ NH <5/8: 47.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
9.2	9.1	11.1	7.1	8.3	7.3	11.6	8.4	26.9	1078

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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	*	.1	.0	.0	*	*	*	*	.0	.0	.2	
	NO PCP	.3	.2	.1	.1	*	.1	*	*	.0	.0	.7	
	TOT %	.3	.2	.1	.1	.1	.1	.1	.1	.0	.0	1.0	
1/2<1	PCP	.1	.1	.1	.1	.1	.1	.1	.2	.0	*	.9	
	NO PCP	.4	*	.1	.0	.1	.2	.2	.2	.0	.0	1.3	
	TOT %	.5	.1	.2	.1	.2	.3	.4	.4	.0	*	2.2	
1<2	PCP	.2	.1	.1	.1	.1	.1	.3	.3	.0	.0	1.2	
	NO PCP	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.7	
	TOT %	.3	.1	.1	.1	.2	.2	.4	.4	.0	.0	1.9	
2<5	PCP	.2	.3	.3	*	.1	.3	.5	.3	.0	.0	2.1	
	NO PCP	.2	.1	.1	.0	.1	.2	.4	.1	.0	.0	1.3	
	TOT %	.4	.4	.4	*	.2	.5	1.0	.4	.0	.0	3.3	
5<10	PCP	1.5	1.2	.7	.6	1.1	2.9	4.0	2.2	.0	*	14.2	
	NO PCP	6.6	2.9	1.6	1.2	3.2	6.1	9.1	9.7	.0	.3	40.7	
	TOT %	8.0	4.2	2.2	1.8	4.4	8.9	13.1	11.9	.0	.4	55.0	
10+	PCP	.4	*	*	.0	.1	.6	.9	.2	.0	.0	2.2	
	NO PCP	6.5	2.6	1.2	.8	2.3	5.8	8.6	6.1	.0	.7	34.5	
	TOT %	6.9	2.6	1.2	.8	2.3	6.3	9.5	6.4	.0	.7	36.7	
TOT OBS												2173	
TOT PCT	16.4	7.7	4.2	2.9	7.3	16.3	24.5	19.6	.0	1.1	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	.1	
	4-10	.1	.0	.0	*	*	.1	.0	*	.0	.0	.3	
	11-21	.1	.2	.1	*	.0	.0	.1	*	.0	.0	.5	
	22+	*	.1	.0	.0	*	*	*	*	.0	.0	.2	
	TOT %	.3	.2	.1	.1	.1	.1	.2	.1	.0	.0	1.0	
1/2<1	0-3	.1	.0	.0	.0	*	*	.0	.0	.0	*	.1	
	4-10	.2	.1	.1	.0	.0	*	*	.1	.0	.0	.5	
	11-21	.2	.0	.1	.1	.0	.2	.3	.2	.0	.0	1.0	
	22+	.1	*	*	.1	.2	*	.1	.2	.0	.0	.7	
	TOT %	.5	.1	.2	.1	.2	.3	.4	.4	.0	*	2.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.1	.0	*	*	*	*	.1	.0	.0	.4	
	11-21	.1	.1	.1	.1	.2	.1	.1	.3	.0	.0	.9	
	22+	.1	.0	.0	*	.1	.1	.3	.1	.0	.0	.7	
	TOT %	.3	.1	.1	.1	.3	.3	.5	.4	.0	.0	2.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	.1	.1	
	4-10	.1	*	.1	*	.1	.0	.1	.1	.0	.0	.5	
	11-21	.1	.1	.1	.0	.3	.1	.3	.1	.0	.0	1.2	
	22+	.1	.3	.3	.2	.2	.4	.7	.2	.0	.0	2.4	
	TOT %	.4	.4	.5	.2	.5	.5	1.1	.5	.0	.1	4.3	
5<10	0-3	.1	*	*	.1	.1	.1	*	.2	.0	.4	1.1	
	4-10	2.0	1.2	.7	.9	1.1	1.2	1.6	2.2	.0	.0	10.8	
	11-21	3.6	2.2	.9	.5	1.4	4.0	5.5	5.5	.0	.0	23.6	
	22+	2.2	.7	.5	.3	1.7	3.5	5.7	3.8	.0	.0	18.4	
	TOT %	7.9	4.1	2.2	1.7	4.3	8.8	12.8	11.7	.0	.4	53.9	
10+	0-3	.2	*	*	.0	.1	.2	.1	*	.0	.7	1.4	
	4-10	2.1	.7	.6	.4	.7	1.6	2.2	1.6	.0	.0	9.9	
	11-21	3.6	1.1	.3	.3	.9	2.7	4.4	3.7	.0	.0	16.0	
	22+	.9	.5	.2	.1	.6	1.8	2.7	1.9	.0	.0	8.5	
	TOT %	6.9	2.6	1.2	.8	2.3	6.3	9.4	6.3	.0	.7	36.3	
TOT OBS												2206	
TOT PCT	16.3	7.6	4.2	3.1	7.7	16.2	24.4	19.4	.0	1.2	100.0		

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
00003	.5	.0	3.7	4.3	19.3	10.7	4.7	.5	1.5	2.5	47.6	52.4	245
06009	1.6	.0	.5	8.9	21.5	12.8	4.8	.2	1.5	2.4	54.3	45.7	229
12015	1.9	.0	.3	7.9	23.4	15.0	2.4	.5	2.4	.5	54.2	45.8	286
18021	.4	.2	.3	11.1	26.7	11.4	3.9	.6	.5	.2	55.4	44.6	272
TOT PCT	1.2	*	1.2	8.3	22.2	12.6	3.7	.5	1.6	1.2	52.5	47.5	1032

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.7	1.9	2.8	4.0	59.1	31.5	626
06009	1.4	2.4	1.9	4.5	55.4	34.5	485
12015	1.9	2.6	1.9	3.3	54.7	35.6	643
18021	.7	2.7	1.2	5.5	45.2	44.6	514
TOT PCT	1.2	2.3	2.0	4.3	53.8	36.4	2268

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <3/8 AND 5+	TOTAL OBS
00003	.5	5.1	12.6	36.0	51.4	245
06009	1.6	2.1	13.4	40.1	44.5	229
12015	2.0	2.5	13.4	42.0	44.6	281
18021	.4	1.4	17.8	39.6	42.6	268
TOT PCT	1.2	2.9	15.3	38.5	46.1	1021

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
55/59	.0	.0	.1	.2	.2	*	*	.0	.7	
50/54	.0	.0	.0	.2	1.0	2.0	2.8	.9	6.9	
45/49	.0	.0	.0	.4	2.4	8.0	10.9	7.2	28.9	
40/44	.0	.0	.0	.2	3.0	8.4	14.9	15.2	41.8	
35/39	.0	.0	.0	.3	1.4	3.7	5.2	6.2	16.9	
30/34	.0	.0	.0	.0	.5	1.2	1.8	1.1	4.7	
25/29	.0	.0	.0	.0	.0	.0	.0	.2	.2	
TOT PCT	.0	.0	.1	1.3	4.6	23.4	35.7	30.9	1875	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.1	*	*	*	*	.1	.2	*	.0	.1
50/54	1.4	.5	.2	.1	.3	.6	1.4	2.3	.0	.2
45/49	5.0	2.1	.9	.6	1.1	3.4	8.9	6.5	.0	.4
40/44	7.3	3.0	1.5	.6	2.1	7.3	11.7	7.9	.0	.4
35/39	1.9	1.7	1.3	.8	1.9	3.8	3.5	1.7	.0	.2
30/34	.0	.1	.3	.4	1.5	1.6	.5	.3	.0	.0
25/29	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
TOT PCT	15.6	7.5	4.2	2.6	6.9	17.0	26.3	18.7	.0	1.2

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	58	48	47	43	36	34	25	43.1	668
06009	55	48	48	42	36	34	26	42.9	519
12015	57	50	49	43	37	34	26	43.5	696
18021	59	50	49	44	37	35	25	44.2	550
TOT	59	51	49	43	36	34	25	43.4	2433

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	6.4	24.8	34.1	33.5	84	542		
06009	.0	.7	7.5	21.8	33.8	36.2	84	407		
12015	.0	1.8	9.1	21.8	38.1	29.2	83	541		
18021	.0	2.0	12.0	23.9	34.5	27.6	82	437		
TOT	0	29	172	447	677	602	83	1927		

ANNUAL

PERIOD: (PRIMARY) 1923-1974
(OVER-ALL) 1921-1974

AREA 0017 TIERRA DEL FUEGO
54.9S 65.4W

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 C/D	25 28	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	N FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.1	*	.1	3	.0	.2
9/10	.0	.0	.0	.0	.0	.1	.1	.1	.1	10	.0	.4
7/8	.0	.0	.0	.0	*	.2	.4	.1	.1	18	.0	.8
6	.0	.0	.0	.0	*	.2	.4	.3	.0	26	*	1.0
5	.0	.0	.0	.2	.0	1.0	1.1	.4	.0	60	.1	2.5
4	.0	.0	.0	.0	.9	1.6	1.0	.2	.0	80	.2	3.4
3	.0	.0	.1	.1	1.1	2.6	1.5	.2	.0	128	.5	5.1
2	.0	.0	.0	.2	3.1	4.0	1.6	.0	.0	189	*	8.3
1	.0	.0	.0	.3	6.1	4.5	1.3	.0	.0	249	1.5	10.3
0	.0	.0	.1	1.3	6.1	4.4	1.3	.0	.0	289	1.5	11.7
-1	.0	.1	.3	2.2	5.8	2.9	.3	.0	.0	244	1.2	10.3
-2	.0	.1	.2	3.5	4.7	2.0	.1	.0	.0	220	1.3	9.3
-3	.0	*	.2	3.1	2.3	1.1	*	.0	.0	146	.6	6.1
-4	.0	.1	1.2	2.5	2.2	.3	*	.0	.0	136	.2	6.1
-5	.0	.0	1.2	2.3	1.3	.3	*	.0	.0	113	.5	4.7
-6	.0	.0	1.5	1.4	.6	.1	.0	.0	.0	80	.3	3.4
-7/-8	.0	.7	2.3	1.1	.6	.1	.0	.0	.0	105	.3	4.6
-9/-10	.1	.7	1.1	.1	*	.0	.0	.0	.0	40	.3	1.8
-11/-13	.1	.1	.2	.0	.0	.0	.0	.0	.0	8	.1	.3
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
-17/-19	.0	.1	.0	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL										2146		
PCT	.3	2.0	8.5	18.3	34.9	25.3	9.2	1.4	.3	100.0	9.5	90.5

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

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

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.3	.2	.1	.0	.0	.0	.6	.1	.2	.0	.0	.0	.0	.3		
1-2	.0	1.3	2.4	.0	.0	.0	3.8	.0	.7	1.4	.0	.0	.0	2.1		
3-4	.0	1.0	2.4	.5	.0	.0	3.9	.0	*	2.0	.4	.0	.0	2.4		
5-6	.0	.0	2.4	.7	.0	.0	3.1	.0	.0	.7	.3	.0	.0	1.0		
7	.0	.0	1.3	.7	.2	.0	2.2	.0	.0	.6	.8	.4	.0	1.8		
8-9	.0	.0	1.9	.5	.0	.0	2.4	.0	.0	.0	.2	.0	.0	.2		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2		
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	.3	2.6	10.6	2.4	.2	.0	16.1	.1	.8	4.7	2.8	.4	.0	8.8		

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.1	.2	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0		
1-2	.0	1.5	.4	.0	.0	.0	1.9	.0	4.3	.2	.0	.0	.0	4.5		
3-4	.0	.0	3.2	1.4	.0	.0	4.6	.0	.1	1.2	*	.0	.0	1.3		
5-6	.0	.0	1.5	.2	.0	.0	1.7	.0	.1	*	*	.0	.0	.1		
7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1		
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	.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	.1	.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	.1	1.8	5.1	1.7	.0	.0	8.6	.0	4.4	1.4	.2	.1	.0	6.2		

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.3	.0	.0	.0	.0	.3	.0	.4	.0	.0	.0	.0	.4
1-2	.1	.4	.6	.0	.0	.0	1.1	.0	.7	1.1	.0	.0	.0	1.8
3-4	.0	1.0	1.5	.2	.0	.0	2.8	.0	.8	.8	.2	.0	.0	1.7
5-6	.0	.0	.2	.2	.0	.0	.2	.0	.2	.3	.3	.1	.0	.8
7	.0	.0	.1	.1	.0	.0	.1	.0	.2	1.8	.4	.2	.0	2.5
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.4	.0	.0	.4
10-11	.0	.0	.1	.4	.0	.0	.4	.0	.0	.1	*	.1	.0	.2
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	*	.0	.1
13-16	.0	.0	.0	.3	.5	.0	.8	.0	.0	.0	.9	.1	.0	1.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.2
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	.1	.1
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1
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	1.7	2.3	1.3	.5	.0	6.0	.0	2.2	4.1	3.1	.5	1.3	11.3

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.1	.0	.1	.0	.0	.0	.1	*	.3	.0	.0	.0	.0	.3	
1-2	*	1.2	1.3	.0	.0	.0	2.6	*	.9	1.6	.0	.0	.0	2.5	
3-4	.0	1.9	1.4	.7	.0	.0	4.0	.0	.6	1.9	*	.0	.0	2.5	
5-6	.0	.2	1.1	.7	.0	.0	1.9	.0	.0	2.1	.3	.0	.0	2.5	
7	.0	.4	1.0	11.0	.0	.0	12.4	.0	.0	.6	.3	.3	.0	1.3	
8-9	.0	.0	.5	1.5	.2	.0	2.2	.0	.0	.6	.2	.0	.0	.0	
10-11	.0	.0	2.8	1.4	.0	.0	4.3	.0	.0	*	.3	.0	.0	.8	
12	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.4	.0	.4	
13-16	.0	.0	.0	.4	.3	.0	.7	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.1	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3	.0	.3	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.4	.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	3.7	8.2	15.7	1.1	.4	29.2	*	1.8	7.0	1.3	1.0	.0	11.0	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	5.7	1.6	.2	.0	.0	.0	.0	7.5
1-2	.2	9.7	9.0	.0	.0	.0	.0	18.9
3-4	.6	5.2	13.0	3.4	.1	.0	.0	22.3
5-6	.0	.4	8.2	2.7	.1	.0	.0	11.3
7	.0	.7	5.4	13.4	1.0	.0	.0	20.4
8-9	.0	.0	3.1	2.9	.2	.0	.0	6.2
10-11	.0	.0	3.0	3.0	.1	.0	.0	6.1
12	.0	.0	.0	.4	.7	.0	.0	1.1
13-16	.0	.0	.0	1.8	1.0	.0	.0	2.7
17-19	.0	.0	.0	.9	.3	.0	.0	1.2
20-22	.0	.0	.0	.1	.5	.0	.0	.5
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.6	.0	.6
33-40	.0	.0	.0	.0	.0	1.1	1.1	1.1
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	6.4	17.7	41.8	28.6	3.8	1.7	100.0	555

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	8.5	11.2	4.2	3.3	2.2	1.8	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	361	4
6-7	.0	.9	4.3	4.0	4.4	3.0	2.2	.5	.5	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	210	6
8-9	.0	.1	2.4	1.3	3.5	4.7	2.4	1.4	.7	1.2	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	120	8
10-11	.0	.9	.2	.1	1.1	1.0	1.0	2.3	1.0	.8	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	70	10
12-13	.0	.0	.8	.4	.3	.5	.6	.4	.3	.0	.7	.0	.8	.7	.0	.0	.0	.0	.0	.0	37	14
13	.0	.0	.0	.3	.1	.1	.1	.3	.4	.2	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	19	14
INDET	1.7	.3	1.8	1.4	1.7	.0	1.2	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	3
TOTAL																					873	6
PCT	2.0	10.6	20.8	11.7	14.3	11.5	9.2	6.3	3.9	3.3	3.3	.2	2.3	.7	1.0	.0	.0	.0	.0	.0	100.0	

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	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.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	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
53/54	.4	.4	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	6	.2
51/52	1.6	1.6	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.4	23	.8
49/50	16.6	23.2	14.5	4.5	1.7	.6	.0	.0	.0	.0	.6	3.1	256	8.7
47/48	29.2	36.3	22.0	23.0	6.4	.0	.9	2.7	.0	.0	4.2	16.0	493	16.8
45/46	19.8	28.1	20.6	32.0	22.6	7.9	8.7	1.4	4.3	9.5	26.2	36.9	611	20.8
43/44	21.7	9.0	27.9	16.7	22.2	29.7	26.5	23.0	24.5	44.8	39.3	25.3	683	23.3
41/42	6.7	1.0	11.7	17.8	30.3	25.5	36.5	29.7	43.2	28.6	20.8	14.7	524	17.9
39/40	3.6	.4	.6	5.2	12.0	26.7	17.4	29.1	28.1	13.3	8.9	3.6	257	8.8
37/38	.0	.0	.2	.7	2.1	6.1	6.4	8.1	.0	3.8	.0	.0	48	1.6
35/36	.0	.0	.2	.0	.9	2.4	3.2	2.7	.0	.0	.0	.0	18	.6
33/34	.0	.0	.4	.0	.4	.6	.0	2.0	.0	.0	.0	.0	7	.2
31/32	.0	.0	.0	.0	.0	.6	.5	.7	.0	.0	.0	.0	3	.1
29/30	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	1	*
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	259	901	505	269	234	165	219	148	139	105	168	225	2931	100.0
MEAN	46.0	47.0	45.5	44.6	43.0	41.4	41.5	40.6	41.6	42.5	43.4	44.7	43.4	

TABLE 21
PRESSURE (MB)

AVERAGE BY HOUR (GMT)

	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	997	1001	998	998	997	997	998	998	998	223
FEB	996	996	998	997	997	998	997	998	997	361
MAR	1001	1000	999	998	999	999	1001	1000	1000	295
APR	999	997	1006	998	998	998	1005	997	999	244
MAY	999	999	999	997	996	996	1003	999	998	179
JUN	1006	1001	1011	1001	1001	1003	998	1001	1002	130
JUL	998	1001	996	999	998	1000	996	998	999	213
AUG	1001	998	999	998	1002	999	1005	997	1000	144
SEP	1002	1006	1007	1007	1006	1006	1003	1002	1005	120
OCT	998	997	1002	996	997	997	1000	995	997	97
NOV	996	996	996	997	997	993	993	996	996	143
DEC	997	998	999	998	997	1001	999	1002	998	157
ANN	999	999	1001	999	999	999	1000	999	999	2306
OBS	402	237	218	268	407	252	249	273		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	978	980	983	991	997	1003	1015	1020	1021
FEB	974	978	981	992	997	1003	1010	1018	1020
MAR	970	976	981	994	1001	1006	1011	1019	1022
APR	968	970	979	991	998	1008	1017	1020	1021
MAY	975	975	980	989	996	1008	1016	1016	1018
JUN	979	980	983	992	1002	1013	1021	1025	1026
JUL	968	969	976	992	1000	1006	1017	1019	1020
AUG	970	970	977	992	998	1010	1023	1026	1028
SEP	981	983	985	992	1003	1013	1027	1027	1028
OCT	982	982	984	992	997	1002	1014	1017	1018
NOV	969	972	980	989	995	1004	1009	1014	1025
DEC	976	977	981	988	998	1010	1015	1018	1019

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1869-1976

JANUARY

AREA 0018 FALKLAND ISLANDS
52.15 97.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	8.3	.0	2.8	.0	.0	.0	.0	11.0	.0	.0	11.7	2.1	2.8	.0	72.4
NE	24.5	4.1	4.1	.0	.0	.0	.0	30.6	.0	.0	15.3	.0	.0	.0	54.1
E	22.4	.0	12.2	.0	.0	.0	.0	30.6	.0	.0	8.2	.0	.0	.0	61.2
SE	13.5	.0	.0	.0	.0	.0	.0	13.5	.0	.0	2.7	.0	.0	.0	83.8
S	14.2	4.5	4.0	.0	.0	.0	.0	22.7	.0	.0	2.8	.0	.0	2.3	72.2
SW	5.6	1.1	.4	.0	.0	.0	.9	8.1	2.9	.0	3.1	.0	.0	.0	85.9
W	4.6	3.6	1.0	.0	.0	.0	.0	9.2	1.5	.0	2.7	.8	.8	.0	84.9
NW	14.3	1.5	8.2	.0	.0	.0	.0	24.0	.0	.0	8.9	.3	.0	.0	66.8
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	.0	.0	100.0
TOT PCT	9.8	2.2	3.3	.0	.0	.0	.2	15.3	1.1	.0	5.7	.4	.4	.2	76.8
TOT OBS:	457														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	10.8	2.9	3.6	.0	.0	.0	.7	18.0	1.4	.0	4.3	.7	.7	.0	74.8
06009	8.8	1.1	3.3	.0	.0	.0	.0	13.2	3.3	.0	7.7	.0	.0	.0	75.8
12015	11.2	1.3	3.3	.0	.0	.0	.0	15.1	.0	.0	4.6	.7	.7	.7	78.3
18021	5.9	3.9	2.9	.0	.0	.0	.0	12.7	1.0	.0	8.8	.0	.0	.0	77.5
TOT PCT	9.5	2.3	3.3	.0	.0	.0	.2	15.1	1.2	.0	6.0	.4	.4	.2	76.7
TOT OBS:	484														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.8	4.1	4.2	1.4	.2	.0	10.7	13.0	11.6	10.9	8.4	9.5	9.0	12.0	12.9	10.8
NE	.3	1.6	1.9	.5	.1	.0	4.4	13.6	5.4	5.6	8.4	2.9	3.5	4.2	4.4	4.0
E	.3	1.2	1.1	.8	.8	.0	4.0	17.7	3.9	2.4	1.6	4.7	4.2	4.5	8.0	3.2
SE	.8	1.1	1.1	1.2	.7	.0	4.9	17.1	5.5	5.6	.5	6.8	4.0	4.7	2.4	6.1
S	.3	3.0	3.1	2.7	1.0	.1	10.2	18.6	8.3	12.9	4.8	14.8	13.2	7.6	6.9	9.5
SW	.9	8.2	9.5	4.9	.6	.2	22.3	15.8	23.0	20.6	20.2	20.6	22.4	23.1	21.8	23.9
W	.6	5.8	10.0	3.1	.8	.3	20.7	15.7	22.0	16.5	35.1	17.5	22.9	20.5	26.2	15.1
NW	1.3	8.2	9.4	2.7	.3	*	22.0	13.2	19.4	24.6	22.9	23.4	20.0	22.2	17.7	26.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	1.0	.8	2.1	.0	.5	1.1	1.6	.7
TOT OBS	74	373	483	206	53	7	1196	15.1	200	124	47	137	212	275	62	139
TOT PCT	6.2	31.2	40.4	17.2	4.4	.6	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	2.1	5.2	3.0	.2	.2	10.7	13.0	11.3	8.7	10.7	11.4	
NE	.9	1.9	1.3	.2	*	4.4	13.6	5.5	3.8	4.0	4.1	
E	.9	1.3	1.1	.3	.4	4.0	17.7	3.3	3.9	4.4	4.1	
SE	1.3	1.2	1.2	1.0	.2	4.9	17.1	5.6	5.0	4.4	5.0	
S	1.3	3.5	2.8	2.3	.3	10.2	18.6	10.0	12.2	10.1	8.7	
SW	3.2	8.8	8.2	1.9	.2	22.3	15.8	22.1	20.5	22.8	23.3	
W	2.8	9.6	6.2	1.6	.5	20.7	15.7	19.9	22.0	21.6	18.5	
NW	3.9	11.4	5.6	1.0	.1	22.0	13.2	21.4	23.2	21.3	23.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.8					.8	.0	.9	.5	.8	1.0	
TOT OBS	206	513	353	101	23	1196	15.1	324	184	487	201	
TOT PCT	17.2	42.9	29.5	8.4	1.9	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1869-1976

JANUARY

AREA 0018 FALKLAND ISLANDS
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.9	5.9	29.0	41.7	18.8	3.4	.3	14.8	100.0	324
06009	.5	8.7	32.1	35.9	17.9	4.3	.5	14.7	100.0	184
12015	.8	4.5	31.4	40.9	15.8	5.5	1.0	15.7	100.0	487
18021	1.0	3.5	33.3	41.3	17.4	3.5	.0	14.7	100.0	201
TOT	1.0	6.4	37.3	48.3	20.6	5.3	.7	15.1		1196
PCT	.8	5.4	31.2	40.4	17.2	4.4	.6	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.8	.0	2.7	2.8	6.3	
E	.0	.0	1.5	1.8	7.3	
SE	.0	.0	.5	.8	7.0	
S	.0	.3	3.4	3.5	7.0	
SW	2.9	3.3	17.2	3.9	5.7	
W	5.3	6.1	12.0	5.1	4.9	
NW	2.3	.9	5.0	7.8	8.2	
VAR	.0	.0	.0	.0	.0	
CALM	.4	.4	.0	.0	2.5	
TOT OBS	34	28	110	72	244	5.7
TOT PCT	13.9	11.5	45.1	29.5	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.3	.0	.0	.9	1.3	.4	.2	.0	.0	.0	.0	5.8
.1	.0	.7	2.4	.0	.0	.4	.4	.4	.4	.4	2.3
.4	.0	.0	.0	1.3	.0	.4	.0	.0	.0	.0	1.2
.1	.0	.0	.4	.8	.0	.0	.0	.0	.0	.0	.0
.3	.0	.0	1.9	3.4	.0	.4	.0	.0	.0	.0	1.1
.0	.0	.0	1.8	4.6	5.7	1.6	.0	.0	.0	.0	13.4
.0	.4	.0	1.1	2.4	4.1	2.4	.0	.0	.0	.8	17.4
1.2	.0	.0	1.2	2.7	2.0	.7	.0	.0	.0	.0	8.3
.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
.6	1	0	19	45	32	14	0	1	3	123	244
2.5	.4	.0	7.8	18.4	13.1	5.7	.0	.4	1.2	50.4	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
>5000	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
>3500	6.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
>2000	15.8	19.8	20.2	20.2	20.2	20.2	20.2	20.2
>1000	28.3	36.8	39.7	39.7	39.7	40.1	40.1	40.1
>600	32.8	43.7	47.4	47.4	47.4	47.8	47.8	47.8
>300	32.8	43.7	47.4	47.4	47.4	47.8	47.8	47.8
>150	32.8	43.7	47.4	47.8	47.8	48.2	48.2	48.2
>0	32.8	43.7	47.4	47.8	47.8	49.4	50.2	50.6
TOTAL	81	108	117	118	118	122	124	125

TOTAL NUMBER OF OBS: 247

PCT FREQ NH <5/8: 49.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.1	10.6	11.8	8.7	8.7	6.7	12.2	11.8	17.7	2.8	254

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	.2	.2	.0	.0	.2	.2	.2	.0	.0	.0	1.1
	NO PCP	.2	.1	.2	.1	.3	.1	.2	.4	.0	.0	.0	1.6
	TOT %	.2	.3	.4	.1	.3	.3	.4	.7	.0	.0	.0	2.7
1/2<1	PCP	.0	.0	.0	.0	.2	.0	.0	.4	.0	.0	.0	.7
	NO PCP	.4	.1	.0	.0	.0	.0	.0	.4	.0	.0	.0	.9
	TOT %	.4	.1	.0	.0	.2	.0	.0	.9	.0	.0	.0	1.6
1<2	PCP	.2	.0	.2	.1	.2	.3	.1	.8	.0	.0	.0	2.0
	NO PCP	.0	.0	.1	.1	.0	.2	.2	.4	.0	.0	.0	1.1
	TOT %	.2	.0	.3	.2	.2	.6	.3	1.2	.0	.0	.0	3.1
2<5	PCP	.0	.4	.2	.2	1.0	.4	.1	1.0	.0	.0	.0	3.3
	NO PCP	.7	.6	.1	.2	.3	.9	1.4	1.4	.0	.0	.0	5.8
	TOT %	.7	1.1	.3	.4	1.3	1.3	1.6	2.4	.0	.0	.0	9.1
5<10	PCP	.3	.9	.0	.0	.3	.5	.9	1.9	.0	.0	.0	4.9
	NO PCP	1.2	1.3	.0	.9	3.2	3.5	3.7	4.1	.0	.0	.0	21.8
	TOT %	1.5	2.2	.0	.9	3.6	6.0	6.6	6.0	.0	.0	.0	26.7
10+	PCP	.3	.1	.2	.0	.2	.5	.9	.1	.0	.0	.0	2.4
	NO PCP	4.7	1.8	1.4	.3	3.7	13.7	16.5	9.5	.0	.0	.0	54.3
	TOT %	5.1	1.9	1.7	.3	4.0	16.2	17.5	9.6	.0	.0	.0	56.8
TOT OBS													449
TOT PCT		8.1	5.5	2.7	2.1	9.6	24.4	26.4	20.8	.0	.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	.4	.0	.0	.0	.4	
	4-10	.2	.2	.3	.1	.3	.1	.2	.0	.0	.0	.7	1.3
	11-21	.0	.1	.1	.0	.0	.1	.1	.2	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	TOT %	.2	.3	.4	.1	.3	.3	.4	.7	.0	.0	.0	2.7
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	
	11-21	.4	.1	.0	.0	.2	.0	.4	.0	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.4	.1	.0	.0	.2	.0	.9	.0	.0	.0	.0	1.6
1<2	0-3	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	
	4-10	.2	.0	.0	.0	.0	.0	.0	.7	.0	.0	.9	
	11-21	.0	.0	.1	.1	.0	.2	.2	.2	.0	.0	.9	
	22+	.0	.0	.2	.1	.2	.3	.0	.0	.0	.0	.9	
	TOT %	.2	.0	.3	.2	.2	.6	.3	1.2	.0	.0	.0	3.1
2<5	0-3	.0	.2	.0	.0	.0	.0	.1	.3	.0	.0	.7	
	4-10	.6	.1	.0	.1	.6	.3	1.2	1.1	.0	.0	4.0	
	11-21	.0	.4	.1	.2	.3	.8	.2	1.0	.0	.0	3.1	
	22+	.2	.3	.2	.1	.4	.2	.0	.0	.0	.0	1.3	
	TOT %	.7	1.1	.3	.4	1.3	1.3	1.6	2.4	.0	.0	.0	9.1
5<10	0-3	.4	.2	.0	.2	.2	.0	.3	.6	.0	.0	2.0	
	4-10	.3	.2	.0	.4	1.8	2.5	2.6	2.3	.0	.0	10.2	
	11-21	.7	1.5	.0	.0	.8	2.2	3.4	2.7	.0	.0	11.3	
	22+	.0	.2	.0	.2	.7	1.3	.3	.4	.0	.0	3.1	
	TOT %	1.5	2.2	.0	.9	3.6	5.9	6.6	6.0	.0	.0	.0	26.7
10+	0-3	.2	.0	.0	.0	.0	.7	.1	.3	.0	.4	1.8	
	4-10	1.8	.9	1.1	.2	1.0	4.2	4.2	3.4	.0	.0	16.7	
	11-21	2.4	.9	.4	.3	1.3	7.7	10.6	4.6	.0	.0	28.2	
	22+	.7	.3	.2	.1	1.6	3.6	2.6	1.2	.0	.0	10.2	
	TOT %	5.1	2.1	1.7	.5	3.9	16.2	17.4	9.6	.0	.4	.0	56.9
TOT OBS													450
TOT PCT		8.1	5.7	2.7	2.1	9.6	24.3	26.4	20.8	.0	.4	100.0	

JANUARY

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1869-1976

AREA 0018 FALKLAND ISLANDS
52.13 37.3W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3000	5000	6000	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00Z03	1.6	1.6	.0	3.1	23.4	9.4	6.3	.0	.0	1.6	46.9	53.1	64
06Z09	4.1	.0	.0	10.2	22.4	18.4	.0	.0	.0	4.1	59.2	40.8	49
12Z15	1.3	.0	.0	10.7	17.3	9.3	8.0	.0	1.3	.0	48.0	52.0	75
18Z21	4.8	.0	.0	6.5	16.1	16.1	6.5	.0	.0	.0	50.0	50.0	62
TOT	7	1	0	19	49	32	14	0	1	3	126	124	250
PCT	2.8	.4	.0	7.6	19.6	12.8	5.6	.0	.4	1.2	50.4	49.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00Z03	3.7	2.2	5.1	10.3	31.6	47.1	136
06Z09	5.6	2.2	3.3	7.8	30.0	51.1	90
12Z15	2.0	1.3	2.0	8.6	27.0	59.2	152
18Z21	2.0	1.0	2.0	8.1	18.2	68.7	99
TOT	15	8	15	42	129	268	477
PCT	3.1	1.7	3.1	8.8	27.0	56.2	100.0

TABLE 12

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

HR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00Z03	1.6	4.8	9.5	38.1	52.4	63
06Z09	4.1	4.1	16.3	42.9	40.8	49
12Z15	1.4	1.4	16.2	32.4	51.4	74
18Z21	3.3	3.3	14.8	36.1	49.2	61
TOT	6	8	35	91	121	247
PCT	2.4	3.2	14.2	36.8	49.0	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
60/64	.0	.0	.0	.0	.3	.6	.0	.0	3	.9
55/59	.0	.0	.0	.0	.3	.6	2.6	1.2	16	4.6
50/54	.0	.0	.0	.3	1.7	3.5	15.0	8.9	102	29.4
45/49	.0	.0	.0	.9	3.5	10.7	18.4	17.3	176	50.7
40/44	.0	.0	.0	.3	.6	4.0	5.2	3.7	48	13.8
35/39	.0	.0	.0	.0	.3	.0	.3	.0	2	.6
TOTAL	0	0	0	5	23	67	144	108	347	100.0
PCT	.0	.0	.0	1.4	6.6	19.3	41.5	31.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
60/64	.4	.1	.0	.0	.0	.0	.0	.4	.0	.0
55/59	.6	.0	.0	.0	.0	.7	1.8	1.2	.0	.3
50/54	3.7	3.3	.8	.1	1.0	3.2	7.9	9.3	.0	.0
45/49	3.0	3.0	1.2	1.2	3.8	13.1	14.9	10.5	.0	.0
40/44	.3	.0	.8	.4	3.2	4.5	4.1	.4	.0	.0
35/39	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0
TOT	7.9	6.5	2.8	1.7	8.1	21.9	28.7	22.1	.0	.3

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00Z03	56	55	53	46	41	38	38	46.6	329
06Z09	55	54	53	46	40	37	37	45.9	188
12Z15	61	59	54	48	42	39	32	47.8	486
18Z21	62	59	56	49	43	39	38	48.9	205
TOT	62	58	54	47	41	39	32	47.4	1208

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00Z03	.0	.0	6.7	23.1	43.2	25.0	84	104
06Z09	.0	1.5	2.9	11.8	42.6	41.2	87	68
12Z15	.0	3.7	9.3	19.4	35.2	32.4	83	108
18Z21	.0	.0	7.6	22.8	41.8	27.8	84	79
TOT	0	5	25	71	147	111	84	359

PERIOD: (PRIMARY) 1966-1976
(OVER-ALL) 1869-1976

AREA 0018 FALKLAND ISLANDS
52.15 57.5W

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	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	61 64	TOT	M FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.3	.0	.3	2	.0	.5
9/10	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.3	.0
7/8	.0	.0	.0	.0	.0	.0	1.2	.3	.0	6	.3	1.3
6	.0	.0	.0	.0	.0	.5	.2	.5	.0	6	.3	1.3
5	.0	.0	.0	.0	.0	1.3	2.3	.3	.0	15	.3	2.6
4	.0	.0	.0	.0	.5	4.9	.8	.0	.0	24	.8	5.4
3	.0	.0	.0	.0	1.5	4.6	.8	.0	.0	27	.0	6.9
2	.0	.0	.0	.0	2.8	6.1	1.5	.0	.0	45	.8	10.7
1	.0	.0	.0	.3	7.4	4.6	.8	.0	.0	51	1.3	11.8
0	.0	.0	.0	.5	5.9	2.0	.0	.0	.0	35	.8	7.6
-1	.0	.0	.0	1.3	6.6	2.8	.3	.0	.0	43	.0	10.2
-2	.0	.0	.0	3.1	5.6	2.3	.0	.0	.0	43	.0	11.0
-3	.0	.0	.0	4.6	5.4	.8	.3	.0	.0	43	.0	11.0
-4	.0	.0	.3	3.1	2.3	.8	.0	.0	.0	25	.5	5.9
-5	.0	.0	.3	1.5	1.5	.5	.0	.0	.0	15	.9	3.6
-6	.0	.0	.5	.5	1.3	.0	.0	.0	.0	9	.0	2.3
-7/-8	.3	.0	.0	.0	.3	.0	.0	.0	.0	3	.0	.8
TOTAL	1	0	4	58	166	122	35	4	1	391	24	367
PCT	.3	.0	1.0	14.8	42.5	31.2	9.0	1.0	.3	100.0	6.1	93.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.0	.0	.0	.0	.0	1.0	.0	.6	.0	.0	.0	.0	.0	.6
1-2	.0	.6	.0	.0	.0	.0	.6	.0	.6	1.1	.0	.0	.0	.0	1.7
3-4	.0	.0	2.9	.6	.0	.0	3.5	.0	.0	1.3	.0	.0	.0	.0	1.3
5-6	.0	.4	1.0	1.1	.0	.0	2.5	.0	.1	1.3	.0	.0	.0	.0	1.4
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.6	.7	.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.6
12	.0	.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	.0
17-19	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.1	.6	.0	.0	.7
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	4.9	2.1	.0	.0	8.9	.0	1.3	4.7	.8	.6	.0	.0	7.4

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.1	.0	.0	.0	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.1
1-2	.0	.6	.4	.0	.0	.0	1.0	.0	.0	.7	.0	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
5-6	.0	.0	.6	.7	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	1.7	1.0	.8	.0	.0	3.5	.0	.3	.7	.1	.0	.0	.0	1.1

PERIOD: (OVER-ALL) 1963-1976

JANUARY

AREA 0018 FALKLAND ISLANDS
52.1S 57.5W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.6	1.0	.0	.0	.0	.0	1.5	.0	1.1	.6	.0	.0	.0	1.7
1-2	.0	.4	.6	.0	.0	.0	1.0	.0	3.2	2.9	.0	.0	.0	6.1
3-4	.0	1.4	1.4	1.5	.0	.0	4.3	.0	.1	4.7	.8	.0	.0	5.7
5-6	.0	.0	.6	.4	.0	.0	1.0	.0	.0	2.9	2.4	.0	.0	5.3
7	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.7
12	.0	.0	.0	.6	.6	.0	1.1	.0	.0	.0	1.7	.0	.0	1.7
13-16	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	1.4	.0	.0	1.4
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	1.1	.0	.0	.0	1.1
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	2.8	2.5	3.9	.6	.0	10.3	.0	4.5	13.0	7.1	.0	.0	24.6

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.1	.0	.0	.0	.0	1.1	.6	.7	.6	.0	.0	.0	1.8	
1-2	.0	3.9	4.6	.0	.0	.0	8.5	.0	2.0	3.6	.0	.0	.0	5.6	
3-4	.0	.0	6.4	1.3	.0	.0	7.7	.0	.6	3.9	.8	.0	.0	5.3	
5-6	.0	.0	4.7	.8	.0	.0	5.3	.0	.0	2.4	.0	.0	.0	2.4	
7	.0	.0	.6	.0	.0	.0	.6	.0	.0	.1	.6	.0	.0	.7	
8-9	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.6	.0	.0	.6	
10-11	.0	.0	.0	1.5	.0	.0	1.5	.0	.0	.0	.6	.0	.0	.6	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	
13-16	.0	.0	.0	.4	.0	.0	.4	.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	.0	5.0	16.8	3.8	.0	.0	23.6	.6	3.2	11.2	2.5	.0	.0	17.5	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	2.2	6.7	1.1	.0	.0	.0	10.0	10.0
1-2	.0	11.7	13.9	.0	.0	.0	25.6	25.6
3-4	.0	2.2	20.6	5.0	.0	.0	27.8	27.8
5-6	.0	.6	13.3	4.4	.0	.0	18.3	18.3
7	.0	.0	1.7	3.8	.0	.0	5.6	5.6
8-9	.0	.0	.6	.6	.0	.0	1.1	1.1
10-11	.0	.0	1.7	2.2	.0	.0	3.9	3.9
12	.0	.0	.6	2.2	.6	.0	3.3	3.3
13-16	.0	.0	.0	2.2	.0	.0	2.2	2.2
17-19	.0	.0	.0	.6	.6	.0	1.1	1.1
20-22	.0	.0	1.1	.0	.0	.0	1.1	1.1
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	2.2	21.1	54.4	21.1	1.1	.0	100.0	180

PERIOD: (OVER-ALL) 1949-1976

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	1.4	5.8	11.5	5.8	1.4	1.0	.5	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	4
6-7	.0	1.4	5.8	7.7	4.3	4.8	2.9	.0	2.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	7
8-9	.0	.0	3.8	9.1	3.8	2.9	3.4	3.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	7
10-11	.0	.0	.0	.5	1.9	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	14
INDET	1.9	.0	.5	2.4	1.0	1.4	1.4	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	6
TOTAL	7	15	45	53	26	22	18	10	8	2	2	0	0	0	0	0	0	0	0	0	208	6
PCT	3.4	7.2	21.6	25.5	12.5	10.6	8.7	4.8	3.8	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
N	18.2	1.4	8.1	.0	.0	.0	.0	23.0	.0	.0	6.8	.0	5.4	.0	84.9
NE	4.5	18.2	.0	.0	.0	.0	.0	22.7	.0	.0	4.5	.0	.0	.0	72.7
E	6.5	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	93.5
SE	28.6	.0	14.3	.0	.0	.0	.0	42.9	.0	.0	7.1	.0	.0	.0	50.0
S	6.4	.0	.0	.0	.0	.0	.0	6.4	.0	.0	2.1	.0	4.3	.0	87.2
SW	3.1	1.6	.8	.0	.0	.0	.0	5.5	.0	.0	.0	.0	1.6	.0	92.9
W	2.0	2.7	1.3	.0	.0	.0	.0	6.0	.0	.0	.0	.0	2.0	.0	92.0
NW	7.9	3.2	1.9	.0	.0	.0	.0	12.7	.0	.0	6.3	.0	.0	.0	80.4
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	.0	.0	.0	100.0
TOT PCT	6.8	2.6	2.3	.0	.0	.0	.0	11.1	.0	.0	2.9	.0	1.3	.7	84.0
TOT OBS:	307														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
00003	5.3	2.1	1.1	.0	.0	.0	.0	8.4	.0	.0	2.1	.0	2.1	1.1	86.3
06009	3.3	1.6	3.3	.0	.0	.0	.0	8.2	.0	.0	3.3	.0	.0	1.6	86.9
12015	9.4	2.1	5.2	.0	.0	.0	.0	14.6	.0	.0	2.1	.0	2.1	.0	81.3
18021	7.5	4.5	.0	.0	.0	.0	.0	11.9	.0	.0	4.5	.0	.0	.0	83.6
TOT PCT	6.6	2.5	2.5	.0	.0	.0	.0	11.0	.0	.0	2.8	.0	1.3	.6	84.3
TOT OBS:	319														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.5	2.3	6.0	2.8	.6	.0		12.2	17.0		12.1	13.0	13.3	12.5	15.4	11.9	7.6	8.6
NE	.2	.9	.8	.5	.1	.0		2.6	13.8		2.4	4.6	3.9	4.0	1.4	1.6	.0	2.9
E	.2	.9	.5	.2	.0	.0		1.8	11.9		3.1	.9	2.3	1.3	2.3	1.6	3.0	.5
SE	.2	1.1	.5	.5	.2	.0		2.4	15.3		1.3	.9	3.1	1.3	5.2	1.9	3.0	3.3
S	.1	1.2	1.2	2.5	.2	.2		5.5	21.5		4.7	3.2	8.6	4.5	5.5	5.1	13.6	6.7
SW	.6	5.3	9.7	4.2	2.0	.2		22.0	17.6		28.4	18.1	9.4	17.0	19.6	24.9	16.7	26.7
W	1.0	6.8	9.9	5.9	1.3	.0		24.9	16.5		25.5	26.4	28.9	26.3	22.7	24.1	18.9	26.2
NW	.8	8.0	12.5	4.8	1.3	.2		27.7	16.1		21.0	31.9	27.3	33.0	27.1	28.9	34.1	23.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0		1.4	.9	3.1	.0	.7	.0	3.0	1.9
TOT OBS	39	226	351	183	49	5	853		16.6		138	108	32	112	140	185	33	105
TOT PCT	4.6	26.5	41.1	21.5	5.7	.6		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.3	4.7	4.8	1.1	.2		12.2	17.0		12.5	12.7	13.4	8.3
NE	.5	1.3	.6	.2	.0		2.6	13.8		3.4	4.0	1.5	2.2
E	.5	.7	.4	.2	.0		1.8	11.9		2.1	1.6	1.9	1.1
SE	.8	.6	.5	.5	.0		2.4	15.3		1.1	1.7	3.3	3.3
S	.6	1.1	1.8	1.6	.2		5.5	21.5		4.1	5.4	5.3	8.3
SW	2.2	9.6	6.3	3.0	.9		22.0	17.6		23.9	15.3	22.6	24.3
W	3.4	9.1	9.9	2.0	.6		24.9	16.5		25.9	26.9	23.5	24.5
NW	2.6	11.6	9.3	2.6	.7		27.7	16.1		25.8	31.8	28.2	25.9
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
CALM	.9						.9	.0		1.2	.7	.3	2.2
TOT OBS	118	331	286	96	22	853		16.6		246	144	325	138
TOT PCT	13.8	38.8	33.5	11.3	2.6		100.0			100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1872-1976

AREA 0018 FALKLAND ISLANDS
52.05 57.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	1.2	6.5	26.0	41.5	19.9	4.1	.8	16.0	100.0	246
06009	.7	2.1	27.1	41.7	22.2	5.0	.7	16.8	100.0	144
12015	.3	2.5	26.5	40.3	23.4	6.5	.6	17.2	100.0	325
18021	2.2	2.9	26.8	42.0	18.8	7.2	.0	16.1	100.0	138
TOT	.8	3.1	22.6	35.1	18.3	4.9	.5	16.6		653
PCT	.9	3.0	26.5	41.1	21.5	5.7	.6	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	2.2	.0	6.5	
E	.7	.0	1.9	2.2	6.1	
SE	.0	.7	.9	.7	5.9	
S	.0	.0	7.4	5.6	7.1	
SW	3.9	3.7	6.3	3.7	5.0	
W	8.3	1.5	5.6	5.7	4.4	
NW	6.5	1.7	8.7	6.1	5.1	
VAR	.0	.0	.0	.0	.0	
CALM	.0	.7	.7	.7	6.0	
TOT OBS	30	12	48	45	135	
TOT PCT	22.2	8.9	35.6	33.3	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
1.9	.0	.0	.0	3.7	1.5	.0	.0	.0	.0	.0	6.7
.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	2.0
.0	.0	.7	.0	.0	1.3	.0	.0	.0	.0	1.5	1.3
.0	.0	.0	.7	.7	.0	.0	.0	.0	.0	.0	.9
.0	.0	.7	.0	9.1	1.5	1.1	.0	.0	.0	.0	.6
.0	.0	.0	.2	4.1	1.5	2.6	.0	.0	.0	.0	9.3
.0	.0	.0	1.3	3.9	1.3	2.4	.0	.7	.0	.0	11.5
.4	.0	.0	3.0	3.1	2.8	.0	.0	.0	.0	.0	13.7
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.7	.0	.0	.7	.0	.0	.0	.0	.0	.7
3	0	3	3	33	15	12	0	1	2	63	
2.2	.0	2.2	2.2	24.4	11.1	8.9	.0	.7	1.5	46.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
>5000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
>3500	9.6	11.9	11.9	11.9	11.9	11.9	11.9	11.9
>2000	17.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
>1000	35.6	44.4	45.9	46.7	46.7	46.7	46.7	46.7
>600	37.0	45.9	47.4	48.1	48.1	48.1	48.1	48.1
>300	38.5	48.1	49.6	50.4	50.4	50.4	50.4	50.4
>150	38.5	48.1	49.6	50.4	50.4	50.4	50.4	50.4
>0	38.5	48.1	50.4	51.1	51.1	51.9	52.6	52.6
TOTAL	52	65	68	69	69	70	71	71

TOTAL NUMBER OF OBS: 135

PCT FREQ NH <5/8 47.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.9	12.6	12.6	6.0	5.3	9.9	5.3	4.9	26.5	2.0	151

TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.7	
	NO PCP	.7	.0	.0	.0	.0	.0	.2	.1	.0	.0	1.0	
	TOT %	1.2	.0	.0	.0	.0	.0	.2	.2	.0	.0	1.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.2	.5	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
	TOT %	.0	.0	.0	.0	.0	.0	.2	.8	.0	.0	1.0	
1<2	PCP	.0	.0	.0	.3	.0	.3	.3	.0	.0	.0	1.0	
	NO PCP	.5	.0	.0	.0	.3	.7	1.3	1.5	.0	.0	4.3	
	TOT %	.5	.0	.0	.3	.3	1.0	1.6	1.5	.0	.0	5.2	
2<5	PCP	.6	.2	.2	.3	.2	.3	.2	1.1	.0	.0	3.0	
	NO PCP	.0	.0	.0	.0	.3	.5	2.0	1.8	.0	.0	4.6	
	TOT %	.6	.2	.2	.3	.5	.8	2.1	2.9	.0	.0	7.5	
5<10	PCP	1.0	.3	.0	.3	.3	.2	.8	1.3	.0	.0	4.3	
	NO PCP	3.3	1.1	.6	.6	.8	4.3	6.0	6.2	.0	.0	23.0	
	TOT %	4.3	1.5	.6	.9	1.1	4.5	6.8	7.5	.0	.0	27.2	
10+	PCP	.7	.0	.0	.0	.0	.3	.0	.0	.0	.0	1.0	
	NO PCP	4.9	1.6	1.8	.7	5.7	14.2	13.7	12.7	.0	1.0	56.4	
	TOT %	5.6	1.6	1.8	.7	5.7	14.5	13.7	12.7	.0	1.0	57.4	
TOT OBS													305
TOT PCT													12.1 3.3 2.5 2.3 7.7 20.8 24.7 25.6 .0 1.0 100.0

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	1.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.3	
	TOT %	1.2	.0	.0	.0	.0	.0	.0	.2	.2	.0	1.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.8	.0	1.0	
1<2	0-3	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.6	
	4-10	.2	.0	.0	.3	.0	.3	.5	.6	.0	.0	1.9	
	11-21	.3	.0	.0	.0	.0	.3	.5	.5	.0	.0	1.6	
	22+	.0	.0	.0	.0	.3	.0	.3	.3	.0	.0	1.0	
	TOT %	.5	.0	.0	.3	.3	1.0	1.6	1.5	.0	.0	5.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.2	.6	1.3	1.8	.0	.0	3.9	
	11-21	.3	.0	.0	.0	.3	.2	.8	.6	.0	.0	2.3	
	22+	.2	.2	.2	.3	.0	.0	.0	.4	.0	.0	1.3	
	TOT %	.6	.2	.2	.3	.5	.8	2.1	2.8	.0	.0	7.5	
5<10	0-3	.0	.0	.0	.3	.0	.3	.5	.2	.0	.0	1.3	
	4-10	.8	.3	.6	.6	.5	1.6	2.4	3.6	.0	.0	10.4	
	11-21	2.4	.8	.0	.0	.3	1.8	2.3	2.1	.0	.0	9.7	
	22+	1.1	.3	.0	.0	.3	.7	1.9	1.8	.0	.0	6.2	
	TOT %	4.4	1.5	.6	.9	1.1	4.5	7.1	7.6	.0	.0	27.6	
10+	0-3	.3	.3	.3	.0	.3	.0	.8	.8	.0	1.0	3.9	
	4-10	1.4	.6	.6	.4	1.2	3.9	5.1	4.1	.0	.0	17.2	
	11-21	2.8	.7	.9	.3	1.1	7.1	4.2	6.5	.0	.0	23.7	
	22+	1.0	.0	.0	.0	3.0	3.4	3.4	1.5	.0	.0	12.3	
	TOT %	5.5	1.6	1.8	.7	5.7	14.4	13.6	12.9	.0	1.0	57.1	
TOT OBS													308
TOT PCT													12.2 3.2 2.5 2.3 7.6 20.6 24.8 25.8 .0 1.0 100.0

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PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1872-1976

AREA 0018 FALKLAND ISLANDS
52.05 57.3W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	209	599	999	1999	3499	4999	6499	7099				
00003	2.4	.0	2.4	2.4	28.6	9.5	7.1	.0	.0	.0	52.4	47.6	42
06009	3.3	.0	.0	.0	30.0	6.7	10.0	.0	3.3	.0	53.3	46.7	30
12015	2.8	.0	2.8	2.8	27.8	8.3	2.8	.0	.0	5.6	52.8	47.2	36
18021	.0	.0	2.9	2.9	5.7	17.1	14.3	.0	.0	2.9	45.7	54.3	35
TOT	3	0	3	3	33	15	12	0	1	3	73	70	143
PCT	2.1	.0	2.1	2.1	23.1	10.5	8.4	.0	.7	2.1	51.0	49.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	2.1	2.1	7.3	3.1	32.3	53.1	96
06009	.0	3.2	3.2	8.1	30.6	54.8	62
12015	2.1	.0	4.2	10.4	30.2	53.1	96
18021	1.5	.0	4.5	7.6	18.2	68.2	66
TOT	5	4	16	23	91	181	320
PCT	1.6	1.3	5.0	7.2	28.4	56.6	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<50YD	<1	<5	AND5+	AND 5+	OBS
00003	2.4	7.3	12.2	43.9	43.9	41
06009	3.6	3.6	7.1	46.4	46.4	28
12015	3.0	6.1	12.1	43.5	42.4	33
18021	4.0	3.0	6.1	42.4	51.5	33
TOT	3	7	13	60	62	135
PCT	2.2	5.2	9.6	44.4	45.9	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	PCT
									OBS	FREQ
60/64	.0	.0	.0	.4	.0	.0	.0	.0	1	.4
55/59	.0	.0	.0	1.1	.0	.4	2.3	1.1	13	5.0
50/54	.0	.0	.0	1.1	3.8	6.5	13.8	12.3	98	37.5
45/49	.0	.0	.4	.0	5.4	8.0	19.5	15.7	128	49.0
40/44	.0	.0	.0	.0	.8	1.9	1.5	3.4	20	7.7
35/39	.0	.0	.0	.0	.0	.4	.0	.0	1	.4
TOTAL	0	0	1	7	26	45	97	85	261	100.0
PCT	.0	.0	.4	2.7	10.0	17.2	37.2	32.6		

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	.2	.2	.0	.0
1.1	.4	.4	.0	.2	1.0	.8	.8	.0	.4
5.6	1.4	1.0	1.0	1.6	6.6	8.4	11.6	.0	.4
4.2	.9	1.4	1.0	1.1	9.7	15.8	14.7	.0	.4
.0	.0	.0	.4	3.6	1.7	1.5	.4	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
10.9	2.7	2.8	2.3	6.5	19.0	26.7	27.6	.0	1.5

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	56	54	52	47	42	40	39	46.9	247
06009	55	54	50	47	42	41	35	46.5	145
12015	59	56	53	48	42	40	40	48.0	324
18021	60	58	56	49	43	41	40	49.3	140
TOT	60	56	53	48	42	40	35	47.6	856

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	.0	12.7	22.8	34.2	30.4	83	79		
06009	.0	1.8	10.9	14.5	36.4	36.4	84	55		
12015	.0	3.8	5.0	17.5	32.5	41.3	85	80		
18021	.0	8.6	10.3	13.8	48.3	19.0	80	58		
TOT	0	9	26	48	101	88	83	272		

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1877-1976

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AREA 0018 FALKLAND ISLANDS
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TABLE 17

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

AIR-SEA TMP DIF	41	45	49	53	57	TOT	N FDG	W FDG
	44	48	52	56	60			
14/16	.0	.0	.0	.5	.0	1	.0	.5
9/10	.0	.0	.0	.0	.5	1	.0	.5
6	.0	.0	.5	2.4	.0	6	.0	2.8
5	.0	.5	2.4	2.4	.9	13	.0	6.1
4	.0	1.4	4.2	1.9	.0	16	.0	7.5
3	.0	2.4	5.2	1.9	.9	22	.9	9.4
2	.0	4.2	10.4	.9	.0	33	.0	15.6
1	.0	5.7	6.6	.0	.0	26	.0	12.3
0	.9	7.5	5.7	.5	.0	31	1.9	12.7
-1	1.9	7.5	.9	.0	.0	22	.5	9.9
-2	2.8	2.8	1.4	.0	.0	15	.0	7.1
-3	2.4	1.9	.5	.0	.0	10	.0	4.7
-4	1.9	1.9	.0	.0	.0	8	.0	3.8
-5	.5	.0	.9	.0	.0	3	.0	1.4
-6	.0	.5	.0	.0	.0	1	.0	.5
-7/-8	.9	.5	.0	.0	.0	3	.0	1.4
-9/-10	.5	.0	.0	.0	.0	1	.0	.5
TOTAL	25	78	82	22	5	212	7	265
PCT	11.8	36.8	38.7	10.4	2.4	100.0	3.3	96.7

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.1	1.1	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	1.1	.0	.0	.0	1.9	1.1	.3	.3	.0	.0	.0	.0	1.6
3-4	.0	.0	1.9	1.1	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.2	.0	.0	.0	2.2	.0	.0	1.1	.0	.0	.0	.0	1.1
7	.0	.0	2.2	2.2	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.9	8.2	3.3	.0	.0	14.4	1.1	.3	1.4	.0	.0	.0	.0	2.7

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.1	.0	.0	.0	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.3
1-2	1.1	.8	1.9	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.1	1.1	.0	.0	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	1.1	3.0	3.0	.0	.0	.0	7.1	.0	1.4	2.2	.0	.0	.0	.0	3.5

PERIOD: (OVER-ALL) 1963-1976

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TABLE 18 (CONT)

AREA 0018 FALKLAND ISLANDS
52.05 57.34

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

HGT	S							PCT	SW							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	1.1	.8	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	1.1
3-4	.0	1.1	2.7	1.1	.0	.0	.0	4.9	.0	.0	6.3	.3	.0	.0	.0	.0	6.5
5-6	.0	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	1.6	.0	.0	.0	.0	1.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	1.1	.0	.0	.0	.0	4.3
8-9	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	2.2	.0	.0	.0	.0	.0	2.2
10-11	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	1.1	1.9	3.8	3.0	.0	.0	.0	9.8	.0	1.1	11.7	4.1	.0	.0	.0	.0	16.8

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.0	.8	.0	2.7	.0	.0	.0	.0	.0	.0	2.7
3-4	.0	1.1	4.1	.8	.0	.0	.0	6.0	.0	2.2	6.8	1.1	.0	.0	.0	.0	10.1
5-6	.0	.0	1.1	2.7	.0	.0	.0	3.8	.0	.0	4.3	1.4	.0	.0	.0	.0	5.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
8-9	.0	.0	.8	3.0	.0	.0	.0	3.8	.0	.0	.5	.3	.0	.0	.0	.0	.8
10-11	.0	.0	.0	.0	1.6	.0	.0	1.6	.0	.0	.0	.0	.5	.0	.0	.0	.5
12	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1
17-19	.0	.0	.0	1.1	.0	.0	.0	1.1	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	3.0	7.1	7.6	1.6	.0	.0	19.3	.0	4.9	12.8	4.9	.5	.0	.0	.0	23.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.4	4.3	.0	.0	.0	.0	9.8	
1-2	2.2	6.5	3.3	.0	.0	.0	12.0	
3-4	.0	6.5	22.8	4.3	.0	.0	33.7	
5-6	.0	.0	9.8	6.5	.0	.0	16.3	
7	.0	.0	6.5	4.3	.0	.0	10.9	
8-9	.0	.0	5.4	3.3	.0	.0	8.7	
10-11	.0	.0	.0	2.2	2.2	.0	4.3	
12	.0	.0	1.1	1.1	.0	.0	2.2	
13-16	.0	.0	1.1	.0	.0	.0	1.1	
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	7.6	17.4	50.0	22.8	2.2	.0	100.0	92

PERIOD: (OVER-ALL) 1951-1976

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	1.8	2.6	6.1	9.6	2.6	5.3	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	5	
6-7	.0	.0	4.4	9.6	6.1	5.3	.9	1.8	.9	.9	.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	26	8
8-9	.0	.0	.0	.9	7.0	5.3	3.5	.9	3.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	10
10-11	.0	.9	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	1.8	.9	1.8	1.8	4.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
TOTAL	4	5	14	26	23	18	8	4	8	1	1	1	1	0	0	0	0	0	0	0	114	7	
PCT	3.5	4.4	12.3	22.8	20.2	15.8	7.0	3.5	7.0	.9	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	100.0		

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	3.8	1.9	3.8	.0	.0	.0	1.0	10.5	.0	1.9	2.9	.0	.0	.0	84.7
NE	23.4	5.2	.0	.0	.0	.0	2.6	31.2	5.2	.0	2.6	.0	.0	.0	61.0
E	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	18.2	.0	.0	.0	63.6
SE	26.6	15.6	.0	.0	3.1	.0	.0	42.2	.0	.0	.0	.0	.0	.0	57.8
S	14.5	5.3	.0	.0	3.3	.0	.0	21.7	.0	.0	2.6	.0	.0	.0	75.7
SW	7.0	2.5	.3	.0	.3	.0	.0	10.1	.0	.0	9.5	.0	.0	.0	80.4
W	5.9	3.2	.6	.0	.0	.0	2.5	12.3	.6	.0	8.5	.0	.0	.0	78.6
NW	8.5	1.3	3.6	.0	.0	.0	.9	14.3	1.1	1.8	5.8	.0	.9	.0	76.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.3	.0	5.3	.0	.0	.0	.0	5.3	.0	.0	5.3	5.3	.0	.0	84.2
TOT PCT	8.7	3.0	1.7	.0	.4	.0	1.1	14.5	.6	.6	6.4	.2	.2	.0	77.4
TOT OBS:	470														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	9.6	2.5	.6	.0	.0	.0	.6	13.4	.0	1.9	9.6	.0	.0	.0	75.8
06009	7.2	3.1	2.1	.0	2.1	.0	1.0	14.4	1.0	1.0	4.1	1.0	.0	.0	78.4
12015	8.7	2.9	4.3	.0	.0	.0	1.4	16.7	.7	.0	6.5	.0	.0	.0	76.1
18021	10.8	3.2	.0	.0	.0	.0	1.1	15.1	1.1	.0	3.2	.0	1.1	.0	79.6
TOT PCT	9.1	2.9	1.9	.0	.4	.0	1.0	14.8	.6	.8	6.4	.2	.2	.0	77.1
TOT OBS:	485														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.3	3.7	4.9	3.4	.9	.0	13.2	17.4	10.1	12.6	17.9	13.1	12.6	16.5	10.6	12.8
NE	.1	1.7	1.4	.7	.4	.0	4.2	15.8	4.1	6.0	4.9	3.7	5.7	3.4	.0	4.3
E	.1	.4	.5	.1	.0	.0	1.0	11.8	1.5	1.4	2.2	1.4	.3	1.2	.0	.0
SE	.0	1.2	.8	.5	.0	*	2.5	13.8	4.7	2.3	2.2	1.4	.0	2.4	.0	5.1
S	.7	1.8	3.0	1.5	.4	.1	7.4	16.1	8.6	5.0	12.0	6.5	10.5	5.6	8.9	5.1
SW	.5	4.9	9.7	4.2	.9	.1	20.3	16.6	20.2	23.4	12.5	18.2	20.0	20.6	26.7	19.7
W	1.0	6.9	8.4	4.1	.8	.2	21.4	15.9	25.3	21.6	24.5	20.6	18.7	21.6	18.9	19.7
NW	.7	8.6	11.4	5.2	1.0	.1	27.0	15.9	22.1	24.1	21.7	33.2	29.7	25.7	30.6	30.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9	.0	.0	.0	.0	.0	2.9	.0	3.5	3.7	2.2	1.9	2.5	2.9	4.4	2.6
TOT OBS	61	281	385	188	41	4	960	15.7	171	109	46	107	159	206	45	117
TOT PCT	6.4	29.3	40.1	19.6	4.3	.4	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)								
	0-6	7-16	17-27	28-40				00	03	06	09	12	15	18	21	
N	1.5	5.6	3.5	2.5	.2	13.2	17.4	11.1	14.5	14.8	12.2					
NE	.9	1.5	1.2	.5	.2	4.2	15.8	4.8	4.1	4.4	3.1					
E	.2	.5	.3	.0	.0	1.0	11.8	1.4	1.6	.8	.0					
SE	.8	.8	.5	.3	*	2.5	13.8	3.8	1.6	1.4	3.7					
S	1.5	2.4	2.4	1.0	.1	7.4	16.1	7.2	8.2	7.7	6.2					
SW	1.8	8.2	8.0	2.1	.1	20.3	16.6	21.4	16.5	20.3	21.6					
W	2.6	7.9	6.5	3.0	.3	21.4	15.9	23.8	21.7	20.3	19.4					
NW	2.8	12.5	8.2	3.1	.4	27.0	15.9	22.9	29.7	27.5	30.7					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CALM	2.9	.0	.0	.0	.0	2.9	.0	3.6	2.0	2.7	3.1					
TOT OBS	154	379	294	121	12	960	15.7	280	153	365	162					
TOT PCT	16.0	39.5	30.6	12.6	1.3	100.0		100.0	100.0	100.0	100.0					

PERIOD: (PRIMARY) 1908-1976
(OVER-ALL) 1870-1976

MARCH

AREA 0018 FALKLAND ISLANDS
51.95 57.5H

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	3.6	4.6	29.6	40.4	18.6	2.5	.7	15.0	100.0	280
06009	2.0	3.3	35.9	37.3	16.3	5.2	.0	15.2	100.0	153
12015	2.7	3.6	25.8	41.1	20.3	6.0	.5	16.4	100.0	365
18021	3.1	1.2	30.2	40.1	22.8	2.7	.0	15.8	100.0	162
TOT	2.8	3.3	28.1	38.5	18.8	4.1	.4	15.7		960
PCT	2.9	3.4	29.3	40.1	19.6	4.3	.4	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.7	.0	1.2	.0		4.9
E	.6	.0	.6	1.2		5.7
SE	.0	.0	1.7	1.5		7.3
S	2.2	2.3	3.3	2.9		4.9
SW	6.4	2.8	7.3	3.2		4.3
W	7.6	2.9	6.8	3.3		4.2
NW	9.3	1.9	8.4	5.4		4.4
VAR	.0	.0	.0	.0		.0
CALM	.6	.0	1.2	1.2		6.0
TOT OBS	54	19	61	38	172	4.7
TOT PCT	31.4	11.0	35.5	22.1	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.6	.0	.6	.6	2.0	.0	.0	.0	1.7	.0	7.6	
NE	.0	.0	.0	.0	.6	.6	.6	.0	.0	.0	.7	
E	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	1.2	
SE	.0	.0	.0	.1	2.2	.7	.0	.0	.0	.0	.1	
S	.9	.0	.0	.4	2.5	1.5	.0	.0	.0	.0	5.5	
SW	.3	.0	.0	.7	4.2	2.0	.0	.0	.3	.0	12.1	
W	.0	.0	1.2	.4	2.0	1.0	.6	.0	.3	1.5	15.7	
NW	.0	.0	.6	.6	2.2	1.7	1.2	.6	.0	.9	17.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.6	.6	.0	.6	.0	.0	.0	.0	1.2	
TOT OBS	4	0	5	6	27	15	4	1	4	4	102	172
TOT PCT	2.3	.0	2.9	3.5	15.7	8.7	2.3	.6	2.3	2.3	59.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)								
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	
>6500	2.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1	
>5000	3.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	
>3500	5.1	7.9	7.9	7.9	7.9	7.9	7.9	7.9	
>2000	10.2	15.3	15.8	16.4	16.4	16.4	16.4	16.4	
>1000	19.2	29.4	30.5	31.1	31.1	31.1	31.1	31.1	
>600	20.3	32.2	33.9	34.5	34.5	35.0	35.0	35.0	
>300	21.5	33.9	36.7	37.3	37.3	37.9	37.9	37.9	
>150	21.5	33.9	36.7	37.3	37.3	37.9	37.9	37.9	
>0	21.5	33.9	36.7	37.3	37.3	37.9	37.9	37.9	
TOTAL	38	62	68	69	69	70	71	71	

TOTAL NUMBER OF OBS: 177

PCT FREQ NH <5/8: 59.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
14.2	13.7	14.7	9.5	6.8	5.8	7.9	8.4	16.8	2.1	190

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 DBS
<1/2	PCP	.2	.0	.0	.1	.4	.0	.2	.0	.0	.2	1.1	
	NO PCP	.0	.0	.2	.0	.0	.6	.2	.0	.0	.0	1.1	
	TOT %	.2	.0	.2	.1	.4	.6	.4	.0	.0	.2	2.1	
1/2<1	PCP	.2	.0	.0	.4	.0	.0	.0	1.1	.0	.0	1.7	
	NO PCP	.0	.0	.0	.0	.2	.7	.2	.3	.0	.4	1.9	
	TOT %	.2	.0	.0	.4	.2	.7	.2	1.4	.0	.4	3.6	
1<2	PCP	.0	.4	.0	.0	.1	.5	.3	1.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.0	.7	1.3	1.4	.0	.4	3.8	
	TOT %	.0	.4	.0	.0	.1	1.3	1.6	2.3	.0	.4	6.7	
2<5	PCP	.3	.1	.0	.2	.1	.6	1.0	.6	.0	.0	3.0	
	NO PCP	.6	.2	.0	.0	.2	1.3	2.2	1.0	.0	.4	6.0	
	TOT %	1.0	.3	.0	.2	.3	1.9	3.3	1.6	.0	.4	9.0	
5<10	PCP	.4	.3	.2	.7	1.2	.5	1.4	1.0	.0	.0	5.8	
	NO PCP	4.9	1.4	.2	1.2	1.5	5.4	8.6	9.3	.0	1.9	34.3	
	TOT %	5.3	1.7	.4	1.9	2.7	5.9	10.0	10.2	.0	1.9	40.1	
10+	PCP	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.4	
	NO PCP	4.4	1.2	.5	.3	4.4	8.4	9.6	8.6	.0	.6	38.4	
	TOT %	4.4	1.2	.5	.3	4.4	8.6	9.8	8.6	.0	.6	39.0	
TOT DBS													469
TOT PCT		11.1	3.7	1.2	3.4	8.1	19.1	25.2	24.1	.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 DBS
<1/2	0-3	.0	.0	.0	.0	.2	.4	.2	.0	.0	.2	1.0	
	4-10	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.4	
	11-21	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.4	
	22+	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
	TOT %	.2	.0	.2	.1	.4	.6	.4	.0	.0	.2	2.1	
1/2<1	0-3	.0	.0	.0	.0	.2	.2	.0	.2	.0	.4	1.0	
	4-10	.2	.0	.0	.4	.0	.1	.2	.7	.0	.0	1.7	
	11-21	.0	.0	.0	.0	.0	.4	.0	.2	.0	.0	.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	TOT %	.2	.0	.0	.4	.2	.7	.2	1.4	.0	.4	3.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	
	4-10	.0	.0	.0	.0	.0	.7	1.0	1.1	.0	.0	2.9	
	11-21	.0	.4	.0	.0	.1	.5	.5	.5	.0	.0	2.1	
	22+	.0	.4	.0	.0	.0	.0	.0	.6	.0	.0	1.0	
	TOT %	.0	.8	.0	.0	.1	1.2	1.6	2.3	.0	.4	6.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	.6	
	4-10	.2	.0	.0	.2	.1	.8	1.9	.9	.0	.0	4.2	
	11-21	.3	.3	.0	.0	.2	.8	.8	.4	.0	.0	2.9	
	22+	.4	.0	.0	.0	.0	.2	.3	.2	.0	.0	1.0	
	TOT %	.9	.3	.0	.2	.3	1.8	3.2	1.6	.0	.4	8.7	
5<10	0-3	.2	.0	.0	.0	.4	.3	.5	.6	.0	1.9	4.0	
	4-10	1.6	.0	.2	.7	.8	1.6	3.9	3.6	.0	.0	12.5	
	11-21	1.2	1.0	.2	1.1	.8	3.0	3.2	4.2	.0	.0	14.8	
	22+	2.3	1.1	.0	.0	.6	1.0	2.2	1.6	.0	.0	8.7	
	TOT %	5.3	2.2	.4	1.9	2.6	5.9	9.8	10.0	.0	1.9	39.9	
10+	0-3	.0	.0	.0	.0	.1	.6	.3	.0	.0	.6	1.7	
	4-10	1.5	.8	.3	.3	1.7	1.9	2.8	2.7	.0	.0	11.9	
	11-21	2.2	.2	.2	.3	2.0	4.5	4.6	5.1	.0	.0	19.1	
	22+	.6	.2	.0	.2	.7	2.0	1.7	1.3	.0	.0	6.7	
	TOT %	4.3	1.2	.5	.8	4.3	8.4	9.7	9.4	.0	.6	39.3	
TOT DBS													481
TOT PCT		11.0	4.5	1.1	3.3	7.9	18.7	24.9	24.6	.0	4.0	100.0	

MARCH

PERIOD: (PRIMARY) 1908-1976
(OVER-ALL) 1870-1976

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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	1.9	.0	1.9	3.8	17.0	3.8	1.9	.0	3.8	.0	34.0	66.0	53
06009	4.3	.0	2.2	2.2	8.7	6.5	2.2	.0	.0	4.3	30.4	69.6	46
12015	2.4	.0	4.9	2.4	12.2	17.1	2.4	.0	.0	4.9	46.3	59.7	41
18021	.0	.0	2.3	6.8	20.5	6.8	2.3	2.3	4.5	2.3	47.7	52.3	44
TOT	4	0	5	7	27	15	4	1	4	5	72	112	184
PCT	2.2	.0	2.7	3.8	14.7	8.2	2.2	.5	2.2	2.7	39.1	60.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	5.0	3.8	8.8	8.8	38.4	35.2	159
06009	1.0	5.1	9.1	6.1	40.4	38.4	99
12015	.7	2.8	5.6	9.9	41.5	39.4	142
18021	1.1	2.1	.0	9.5	37.9	49.5	95
TOT	11	17	31	43	196	197	495
PCT	2.2	3.4	6.3	8.7	39.6	39.8	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	2.0	6.0	12.0	24.0	64.0	50
06009	4.4	8.9	13.3	20.0	66.7	45
12015	2.5	7.5	12.5	35.0	52.5	40
18021	.0	2.4	11.9	40.5	47.6	42
TOT	4	11	22	52	103	177
PCT	2.3	6.2	12.4	29.4	58.2	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 DBS	PCT FREQ
55/59	.0	.0	.0	.3	.3	.0	.9	.0	5	1.4
50/54	.0	.0	.3	.6	.6	4.0	16.3	6.9	100	28.7
45/49	.0	.0	.3	1.4	2.9	9.2	17.2	18.3	172	49.3
40/44	.0	.0	.0	.6	2.0	4.0	4.9	7.2	65	18.6
35/39	.0	.0	.0	.3	.6	.3	.3	.6	7	2.0
TOTAL	0	0	2	11	22	61	138	115	349	100.0
PCT	.0	.0	.6	3.2	6.3	17.5	39.5	33.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	.0	.0	.0	.0	.5	.6	.0	.0
4.4	.4	.3	.0	2.1	3.7	6.1	10.2	.0	1.4
6.9	2.8	.9	.4	3.3	10.6	13.5	9.8	.0	1.1
.3	.4	.4	2.3	2.9	5.6	4.7	1.7	.0	.3
.0	.0	.0	1.0	.6	.1	.3	.0	.0	.0
11.5	3.9	1.6	3.7	9.0	19.9	25.1	22.4	.0	2.9

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	54	53	51	46	40	39	37	45.7	280
06009	54	53	51	46	40	37	37	45.5	152
12015	55	54	53	47	41	39	32	46.7	359
18021	57	55	53	48	42	40	38	48.0	161
TOT	57	54	52	46	40	38	32	46.4	952

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	4.3	4.3	15.7	39.1	36.5	85	115		
06009	.0	4.1	9.5	13.5	36.5	36.5	84	74		
12015	.0	5.0	6.0	16.0	40.0	33.0	83	100		
18021	.0	2.7	5.5	23.3	43.8	24.7	83	73		
TOT	0	15	22	61	144	120	84	362		

PERIOD: (PRIMARY) 1908-1976
(OVER-ALL) 1870-1976

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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	37	41	45	49	53	57	TOT	h FCG	hD FDG
11/13	.0	.0	.0	.3	.0	.0	1	.0	.3
7/8	.0	.0	.0	1.0	.7	.3	6	.0	2.1
6	.0	.0	.0	1.4	.3	.0	5	.0	1.7
5	.0	.0	.0	2.7	2.1	.0	14	.0	4.8
4	.0	.0	1.0	2.7	2.4	.0	18	.3	5.8
3	.0	.0	1.7	7.5	.3	.0	28	1.0	8.6
2	.0	.0	3.1	7.5	.3	.0	32	.7	10.3
1	.0	1.0	8.6	5.5	.0	.0	44	.3	14.7
0	.0	1.4	7.5	4.5	.0	.0	39	.7	12.7
-1	.0	1.7	7.2	1.7	.0	.0	31	.0	10.6
-2	.0	2.7	5.1	.3	.0	.0	24	.0	8.2
-3	.0	3.4	3.4	1.0	.0	.0	23	.7	7.2
-4	.0	2.7	1.0	.0	.0	.0	11	.3	3.4
-5	.7	1.4	.0	.0	.0	.0	6	.3	1.7
-6	.3	1.7	.0	.0	.0	.0	6	.3	1.7
-7/-8	.3	.3	.0	.0	.0	.0	2	.0	.7
-9/-10	.7	.0	.0	.0	.0	.0	2	.0	.7
TOTAL	6		113		18		292	14	278
PCT	2.1	16.4	38.7	36.3	6.2	.3	100.0	4.8	95.2

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9
1-2	.9	1.7	4.5	.0	.0	.0	7.1	.0	.2	.0	.0	.0	.0	.0	.0	.2
3-4	.0	.9	.0	1.9	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.9	.0	.0	.0	.9	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.9	2.6	6.4	2.6	.0	.0	12.5	.0	1.2	.0	.0	.0	.0	.0	.0	1.2

HGT	E						PCT	SE						PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.9	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.0	.0	.0	.9	.0	.0	.5	.0	.0	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	1.9	1.9	.0	.0	.0	3.8	.0	.0	.5	.0	.0	.2	.0	.0	.7

PERIOD: (OVER-ALL) 1963-1976

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TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.9	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.0	.9	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.8	.0	.0	.0	.0	4.2	
3-4	.0	2.6	2.8	.9	.0	.0	6.4	.0	1.2	1.2	.9	.0	.0	.0	3.3	
5-6	.0	.0	2.4	.9	.0	.0	3.3	.0	.9	3.1	3.1	.0	.0	.0	7.1	
7	.0	.0	.9	.0	.0	.7	1.7	.0	.0	1.9	1.9	.0	.0	.0	3.8	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9	
10-11	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	2.4	.0	.0	.0	2.4	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
13-16	.0	.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	.0	
20-22	.0	.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	.0	
26-32	.0	.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	.0	
41-48	.0	.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	.0	
61-70	.0	.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	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.6	7.1	2.6	.0	.7	13.0	.0	2.6	11.8	8.5	.0	.0	.0	22.9	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9		
1-2	.0	2.4	1.4	.0	.0	.0	3.8	.0	2.8	2.6	.0	.0	.0	.0	5.4		
3-4	.0	.9	7.8	.9	.0	.0	9.7	.0	1.9	7.1	.0	.0	.0	.0	9.0		
5-6	.0	.0	2.6	2.6	.0	.0	5.2	.0	.0	.9	1.2	.0	.0	.0	2.1		
7	.0	.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	.0		
10-11	.0	.9	.9	1.7	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0		
12	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0		
13-16	.0	.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	.0		
20-22	.0	.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	.0		
26-32	.0	.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	.0		
41-48	.0	.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	.0		
61-70	.0	.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	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.0	4.2	12.7	5.9	.0	.0	22.9	.0	5.7	10.6	2.1	.0	.0	.0	18.4	95.3	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.7	1.9	1.9	.0	.0	.0	8.5	
1-2	.9	9.4	13.2	.0	.0	.0	23.6	
3-4	.0	7.5	18.9	4.7	.0	.0	31.1	
5-6	.0	.9	11.3	8.5	.0	.0	20.8	
7	.0	.0	2.8	2.8	.0	.9	6.6	
8-9	.0	.0	1.9	.0	.0	.0	1.9	
10-11	.0	.9	.9	4.7	.0	.0	6.6	
12	.0	.0	.0	.9	.0	.0	.9	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	20.8	50.9	21.7	.0	.9	100.0	106

PERIOD: (OVER-ALL) 1949-1976

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	16.2	11.3	6.3	2.8	.7	3.5	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	4
6-7	.0	.7	5.6	6.3	5.6	4.9	5.6	2.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	7
8-9	.0	.0	.7	.7	1.4	1.4	2.8	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	9
10-11	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
12-13	.0	.0	1.4	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
>13	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	3.5	2.1	2.8	.7	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3
TOTAL PCT	6	27	31	23	16	11	19	6	3	0	0	0	0	0	0	0	0	0	0	0	142	5
TOT PCT	4.2	19.0	21.8	16.2	11.3	7.7	13.4	4.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1854-1975

AREA 0018 FALKLAND ISLANDS
51.85 37.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PAST HR	SMOKE HAZE	SPRAY BLWG	DUST	NO SIG WEA
N	3.9	.0	.0	.0	.0	.0	.0	3.9	.0	.0	26.0	5.2	5.2	.0	.0	59.7
NE	11.8	.0	3.1	.0	.0	.0	.0	15.0	.0	.0	29.9	.0	.0	.0	.0	55.1
E	14.7	.0	.0	.0	.0	.0	.0	14.7	.0	.0	20.6	.0	.0	.0	.0	64.7
SE	18.8	.0	2.1	.0	.0	.0	.0	20.8	.0	.0	6.3	.0	.0	.0	.0	72.9
S	6.5	8.7	6.5	.0	2.2	.0	.0	21.7	.0	.0	10.9	.0	.0	.0	.0	67.4
SW	5.1	5.1	6.8	.0	.8	.0	.0	16.9	.0	.0	5.9	.0	.0	.0	.0	77.1
W	5.1	4.0	3.1	.0	.0	.0	.0	11.0	.0	.0	10.2	.0	.0	.0	.0	78.2
NW	8.3	.6	2.9	.0	.0	.0	.0	11.7	.0	.0	7.0	.0	.0	.0	.0	80.6
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	32.3	.0	.0	.0	.0	66.7
TOT PCT	7.8	2.6	3.5	.0	.3	.0	.0	13.7	.0	.3	11.9	.3	.3	.0	.0	73.5
TOT OBS:	344															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PAST HR	SMOKE HAZE	SPRAY BLWG	DUST	NO SIG WEA
0000	12.0	2.6	3.4	.0	.0	.0	.0	17.9	.0	.9	13.7	.0	.0	.0	.0	67.5
0600	6.0	1.5	4.5	.0	1.5	.0	.0	11.9	.0	.0	10.4	1.5	.0	.0	.0	76.1
1200	8.0	3.5	1.8	.0	.0	.0	.0	13.3	.0	.0	11.5	.0	.0	.0	.0	75.2
1800	5.5	2.7	4.1	.0	.0	.0	1.4	12.3	.0	.0	9.6	.0	1.4	.0	.0	76.7
TOT PCT	8.4	2.7	3.2	.0	.3	.0	.3	14.3	.0	.3	11.6	.3	.3	.0	.0	73.2
TOT OBS:	370															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.2	2.3	3.1	2.2	.4	.0		8.3	16.9		7.1	9.7	13.6	8.8	9.9	7.2	4.3	7.2
NE	.4	2.3	3.2	.4	.1	.0		6.3	13.0		9.7	6.3	4.5	3.3	6.5	5.6	4.3	7.2
E	.3	2.1	.9	.2	.0	.0		3.5	9.6		3.4	2.8	.0	2.2	3.4	4.6	4.3	4.1
SE	.4	3.1	2.1	.4	.0	.0		6.0	10.9		6.0	8.5	4.5	7.7	4.3	5.6	.0	6.7
S	.1	1.6	3.4	1.6	.4	.1		7.1	17.3		3.9	5.1	4.5	8.8	12.5	8.2	6.5	3.4
SW	.5	5.4	7.2	5.5	1.1	.2		19.9	17.6		19.6	18.8	13.6	18.7	16.4	23.4	25.0	21.4
W	1.3	6.1	10.4	4.1	1.7	.3		23.9	17.1		25.2	23.3	29.5	21.4	23.9	21.4	16.3	29.4
NW	.9	7.7	9.6	4.7	.9	.3		23.8	15.3		23.3	24.4	29.5	26.9	21.3	23.4	34.8	20.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0		1.7	1.1	.0	2.2	1.7	.7	4.3	.0
TOT OBS	37	216	281	134	33	4	705		15.7		11.6	8.8	22	91	11.6	15.2	23	97
TOT PCT	5.2	30.6	39.9	19.0	4.7	.6		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	09	15	21
N	1.3	0.8	2.9	1.1	.1		8.3	16.9		8.2	9.7	8.4	6.7
NE	1.1	3.1	2.0	.1	.0		6.3	13.0		8.2	3.5	6.0	6.7
E	1.1	1.9	.5	.0	.0		3.5	9.6		3.2	1.8	4.1	4.2
SE	1.7	3.3	.9	.1	.0		6.0	10.9		7.1	7.1	5.0	5.4
S	1.0	2.3	2.7	1.0	.1		7.1	17.3		4.4	6.0	10.1	4.0
SW	2.4	7.1	7.0	3.0	.3		19.9	17.6		19.2	17.7	20.3	22.1
W	3.3	9.3	6.4	4.1	.8		23.9	17.1		24.4	23.0	22.5	26.9
NW	3.5	10.7	6.8	2.7	.1		23.8	15.3		23.8	27.4	22.5	23.3
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
CALM	1.3						1.3	.0		1.5	1.8	1.1	.8
TOT OBS	117	285	206	87	10	705		15.7		20.4	11.3	28.8	120
TOT PCT	16.6	40.4	29.2	12.3	1.4		100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1855-1975

APRIL

AREA 0016 FALKLAND ISLANDS
51.85 57.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	1.5	3.9	28.9	44.1	17.6	3.9	.0	15.4	100.0	204
0600	1.8	4.4	28.3	43.4	18.6	2.7	.9	15.2	100.0	113
1200	1.1	4.1	32.1	38.2	19.0	6.7	.7	16.0	100.0	268
1800	.8	3.3	32.5	37.5	21.7	3.3	.8	15.8	100.0	120
TOT	9	28	216	281	134	33	4	15.7		705
PCT	1.3	4.0	30.6	39.9	19.0	4.7	.6	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.0	.7	1.3	5.0		5.0
NE	.0	.0	1.3	4.3		7.7
E	.0	.0	.0	1.3		8.0
SE	.0	.0	1.3	1.3		7.5
S	1.3	2.0	2.0	1.3		4.5
SW	4.0	3.7	7.0	4.0		4.9
W	3.7	6.3	6.3	7.7		5.2
NW	11.0	.7	7.3	9.7		4.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	1.3		8.0
TOT OBS	18	10	26	27	75	5.2
TOT PCT	24.0	13.3	26.7	36.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.3	.0	1.0	.0	.0	1.3	.0	7.3	
NE	1.3	.0	1.3	.0	1.3	.3	.0	.0	.0	.0	1.3	
E	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	1.3	
S	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	3.3	
SW	.0	.0	.0	1.3	3.0	3.3	.0	.0	.0	.0	11.0	
W	1.3	.0	.0	2.3	2.3	.7	4.0	.0	.0	.0	13.3	
NW	2.7	.0	.0	3.0	2.7	.7	1.3	.0	.0	2.7	15.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	5	0	1	6	8	7	5	0	1	2	40	75
TOT PCT	6.7	.0	1.3	8.0	10.7	9.3	6.7	.0	1.3	2.7	53.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
DR >5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
DR >3500	6.7	9.3	10.7	10.7	10.7	10.7	10.7	10.7
DR >2000	10.7	18.7	20.0	20.0	20.0	20.0	20.0	20.0
DR >1000	20.0	30.7	32.0	32.0	32.0	32.0	32.0	32.0
DR >600	22.7	34.7	38.7	40.0	40.0	40.0	40.0	40.0
DR >300	22.7	36.0	40.0	41.3	41.3	41.3	41.3	41.3
DR >150	22.7	36.0	40.0	41.3	41.3	41.3	41.3	41.3
DR >0	22.7	36.0	40.0	42.7	44.0	44.0	46.7	46.7
TOTAL	17	27	30	32	33	33	35	35

TOTAL NUMBER OF OBS: 75

PCT FREQ NH <5/8: 53.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBSCD	TOTAL OBS
13.4	9.8	8.5	13.4	6.1	3.7	7.3	7.3	24.4	6.1	82

APRIL

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1855-1975

AREA 0018 FALKLAND ISLANDS
51.8S 57.6W

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 DBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.3	.0	.0	.3	.0	.3	.0	.0
	TOT %	.0	.0	.0	.0	.3	.0	.0	.3	.0	.3	.0	.0
1/2<1	PCP	.0	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.9
	NO PCP	.3	.3	.0	.4	.1	.3	.0	.0	.0	.0	.0	1.5
	TOT %	.3	.7	.1	.6	.3	.3	.0	.0	.0	.0	.0	2.3
1<2	PCP	.0	.3	.0	.7	.4	.6	.5	.7	.0	.0	.0	3.2
	NO PCP	.0	.9	.0	.9	.0	.3	.3	.6	.0	.0	.0	2.9
	TOT %	.0	1.2	.0	1.6	.4	.9	.8	1.2	.0	.0	.0	6.2
2<5	PCP	.0	.0	.3	.3	.3	.3	.4	.7	.0	.0	.0	2.3
	NO PCP	.4	2.1	.3	.7	.1	.6	1.8	2.3	.0	.0	.0	8.5
	TOT %	.6	2.1	.6	1.0	.4	.9	2.2	3.1	.0	.0	.0	10.9
5<10	PCP	.2	.1	.3	.3	.6	1.8	1.3	1.0	.0	.0	.0	5.6
	NO PCP	2.6	2.8	2.1	2.1	3.8	9.1	14.4	10.6	.0	.0	.0	47.8
	TOT %	2.9	2.9	2.3	2.3	4.4	10.9	15.8	11.7	.0	.0	.0	53.4
10+	PCP	.0	.3	.0	.0	.0	.0	.3	.3	.0	.0	.0	.9
	NO PCP	1.9	1.9	1.9	1.5	.9	4.1	6.5	6.5	.0	.0	.0	25.9
	TOT %	1.9	2.2	1.9	1.5	.9	4.1	6.8	6.8	.0	.0	.0	26.4
TOT DBS		5.6	9.0	5.0	7.0	6.7	17.0	25.6	23.1	.0	.9	100.0	341
TOT PCT													

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 DBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0
	4-10	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.3	.0	.0	.3	.0	.0	.3	.9
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.3	.1	.1	.3	.3	.3	.0	.0	.0	.0	.0	1.5
	11-21	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.3	.7	.1	.6	.3	.3	.0	.0	.0	.0	.0	2.3
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.7	.4	.6	.6	.6	.0	.0	.0	2.9
	11-21	.0	1.2	.0	.9	.0	.0	.2	.7	.0	.0	.0	2.9
	22+	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3
	TOT %	.0	1.2	.0	1.6	.4	.9	.8	1.2	.0	.0	.0	6.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3
	4-10	.6	1.2	.3	.6	.0	.3	1.8	2.0	.0	.0	.0	6.7
	11-21	.0	.9	.3	.4	.4	.6	.1	1.0	.0	.0	.0	3.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.6	2.0	.6	1.0	.4	.9	2.2	3.1	.0	.0	.0	10.8
5<10	0-3	.0	.0	.3	.3	.0	.3	.6	.6	.0	.3	2.3	.0
	4-10	1.3	.3	1.5	1.2	.9	3.2	3.4	3.6	.0	.0	17.3	.0
	11-21	.7	1.8	.4	.3	3.1	4.7	7.5	3.8	.0	.0	22.2	.0
	22+	.8	.8	.1	.6	.4	2.6	4.3	1.7	.0	.0	11.4	.0
	TOT %	2.9	2.9	2.3	2.3	4.4	10.8	15.7	11.6	.0	.3	53.2	.0
10+	0-3	.3	.6	.0	.0	.0	.3	.7	.4	.0	.3	2.6	.0
	4-10	.6	1.0	1.3	.6	.1	1.5	2.3	2.8	.0	.0	10.2	.0
	11-21	.7	.6	.6	.9	.4	2.2	3.0	3.3	.0	.0	11.7	.0
	22+	.3	.0	.0	.0	.3	.3	.9	.3	.0	.0	2.0	.0
	TOT %	1.9	2.2	1.9	1.5	.9	4.2	6.9	6.8	.0	.3	26.6	.0
TOT DBS		5.6	9.0	5.0	7.0	6.7	17.1	25.7	23.0	.0	.9	100.0	342
TOT PCT													

APRIL

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1853-1975

AREA 0018 FALKLAND ISLANDS
51.0S 57.6W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	10.0	.0	5.0	5.0	15.0	10.0	10.0	.0	.0	.0	55.0	45.0	20
06009	4.8	.0	.0	4.8	14.3	4.8	4.8	.0	.0	4.8	38.1	61.9	21
12015	.0	.0	.0	6.3	.0	12.5	12.5	.0	6.3	.0	37.5	62.5	16
18021	9.5	.0	.0	14.3	14.3	9.5	.0	.0	.0	4.8	52.4	47.6	21
TOT	5	0	1	6	9	7	5	0	1	2	36	42	78
PCT	6.4	.0	1.3	7.7	11.5	9.0	6.4	.0	1.3	2.6	46.2	53.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.9	3.4	5.1	12.0	59.0	19.7	117
06009	.0	6.0	11.9	11.9	40.3	29.9	67
12015	.9	.0	4.5	8.0	58.0	28.6	112
18021	1.4	.0	4.2	13.9	48.6	31.9	72
TOT	3	8	22	41	196	98	368
PCT	.8	2.2	6.0	11.1	53.3	26.6	100.0

TABLE 12

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

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL
(GMT)						OBS
00003	10.0	15.0	20.0	35.0	45.0	20
06009	4.8	4.8	14.3	23.8	61.9	21
12015	.0	.0	7.1	35.7	97.1	14
18021	5.0	5.0	20.0	30.0	50.0	20
TOT	4	5	12	23	40	75
PCT	5.3	6.7	16.0	30.7	53.3	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	PCT
									OBS	FREQ
59/59	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
50/54	.0	.0	.0	.0	.3	.3	1.8	1.2	12	3.7
43/49	.0	.0	.0	1.2	10.2	16.9	16.0		144	44.3
40/44	.0	.0	.0	.3	5.5	9.2	14.8	12.0	136	41.8
35/39	.0	.0	.0	.0	.6	1.2	3.7	4.0	31	9.5
30/34	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	2	25	68	122	108	325	100.0
PCT	.0	.0	.0	.6	7.7	20.9	37.5	33.2		

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	.3	.0	.0	.0
.3	.3	.3	.0	.0	.2	.9	1.7	.0	.0
2.9	3.1	2.2	1.7	1.0	7.7	13.4	12.1	.0	.3
.6	5.2	3.2	4.8	3.4	7.0	8.4	8.9	.0	.3
1.0	1.5	.5	1.2	2.0	1.7	.8	.6	.0	.3
.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
4.8	10.1	6.2	7.7	6.4	16.5	24.1	23.3	.0	.9

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	51	50	48	43	37	35	33	43.2	215
06009	51	50	48	44	38	37	34	43.5	121
12015	53	50	49	44	38	35	34	43.7	271
18021	55	53	51	44	38	33	31	44.6	126
TOT	55	51	49	44	38	35	31	43.7	733

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	.0	7.9	21.9	35.1	35.1	83	114		
06009	.0	.0	1.6	19.7	34.4	44.3	87	61		
12015	.0	1.0	9.5	21.0	39.0	29.5	84	103		
18021	.0	1.4	8.6	20.0	45.7	24.3	83	70		
TOT	0	2	26	73	134	115	84	390		

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1855-1975

APRIL

AREA 0018 FALKLAND ISLANDS
51.85 57.6W

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 TEMP DIF	33	37	41	45	49	53	TOT	N FOG	WD FOG
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.0	.5	.0	1	.0	.5
6	.0	.0	.0	.5	.0	.0	1	.5	.0
5	.0	.0	.0	.0	.0	.5	1	.0	.5
4	.0	.0	.0	.0	.9	.0	2	.5	.5
3	.0	.0	.0	1.8	3.2	.0	11	.0	5.0
2	.0	.0	.5	7.2	1.4	.0	20	.9	8.1
1	.0	.0	2.7	7.7	3.6	.0	31	2.3	11.8
0	.0	.0	2.3	14.5	.5	.0	38	3.2	14.0
-1	.0	.5	2.3	8.1	.0	.0	24	1.4	9.5
-2	.0	.9	8.1	4.1	.0	.0	29	4.5	8.6
-3	.0	3.6	5.0	2.3	.0	.0	24	3.2	7.7
-4	.0	3.2	3.6	.0	.0	.0	15	.9	5.9
-5	.0	2.3	.9	.0	.0	.0	7	.0	3.2
-6	.5	1.8	.5	.0	.0	.0	6	.0	2.7
-7/-8	.0	4.5	.0	.0	.0	.0	10	.0	4.5
TOTAL	1	37	57	102	22	2	221	38	183
PCT	.5	16.7	25.8	46.2	10.0	.9	100.0	17.2	82.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.1	3.1	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.1	.0	.0	.0	3.1	.0	.0	6.3	.0	.0	.0	.0	6.3
7	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.8
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	3.1	6.3	2.3	.0	.0	11.7	.0	.0	6.3	.8	.0	.0	.0	7.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

APRIL

AREA 0018 FALKLAND ISLANDS
51.85 57.6W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.9	.0	.0	.0	7.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	.0	3.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	6.3	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	3.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	3.1	
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	3.1	.0	3.1	
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	13.9	6.3	3.1	.0	25.8

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.1	5.5	.0	.0	.0	8.6	.0	.0	3.1	.0	.0	.0	3.1	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	.0	.0	.0	9.4	.0
5-6	.0	.0	3.1	6.3	.0	.0	9.4	.0	.0	3.1	.0	.0	.0	3.1	.0
7	.0	.0	6.3	.0	.0	.0	6.3	.0	.0	3.1	.0	.0	.0	3.1	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.8	.8	.0
12	.0	.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	.0
17-19	.0	.0	.0	3.1	.0	.0	3.1	.0	.0	.0	3.1	.0	.0	3.1	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.1	14.8	9.4	2.3	.0	29.7	.0	.0	18.8	3.1	.8	.0	22.7	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	3.1	.0	.0	.0	.0	.0	3.1	
1-2	.0	6.3	12.5	.0	.0	.0	18.8	
3-4	.0	3.1	15.6	.0	.0	.0	18.8	
5-6	.0	.0	21.9	6.3	.0	.0	28.1	
7	.0	.0	9.4	6.3	.0	.0	15.6	
8-9	.0	.0	.0	3.1	.0	.0	3.1	
10-11	.0	.0	.0	.0	3.1	.0	3.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	6.3	.0	.0	6.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	3.1	.0	3.1	
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	3.1	9.4	59.4	21.9	6.3	.0	100.0	32

PERIOD: (OVER-ALL) 1949-1975

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	
4-6	.0	1.9	22.2	9.3	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
6-7	.0	1.9	3.7	9.3	13.0	3.7	.0	.0	1.9	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	7
8-9	.0	.0	.0	3.7	1.9	1.9	.0	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	10
10-11	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	14
12-13	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	15
>13	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	16
INDET	.0	.0	.0	1.9	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
TOTAL	.0	2	14	13	10	4	1	.0	2	4	4	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	7
PCT	.0	3.7	25.9	24.1	18.5	7.4	1.9	.0	3.7	7.4	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	14.9	4.3	8.5	.0	2.1	.0	4.3	34.0	.0	.0	29.8	.0	.0	.0	36.2
NE	13.3	.0	20.0	.0	.0	.0	6.7	40.0	.0	.0	13.3	.0	.0	.0	46.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	20.0	20.0	.0	20.0	20.0	.0	.0	.0	40.0
S	.0	5.3	.0	.0	10.5	.0	.0	15.8	.0	.0	15.8	.0	.0	.0	68.4
SW	6.9	8.5	.0	.0	2.3	.0	3.1	20.6	1.5	.0	8.5	.0	.0	.0	69.2
W	5.7	1.4	4.3	.0	.7	.0	1.4	13.5	.0	.0	12.8	.0	.0	.0	73.8
NW	4.9	.0	8.0	.0	.6	.0	.6	14.2	1.2	.0	18.5	.0	.0	.0	66.0
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	33.3	.0	33.3	.0	33.3
TOT PCT	6.4	3.0	4.9	.0	1.5	.0	2.2	18.0	.7	.4	15.4	.0	.4	.0	65.2
TOT OBS:	267														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	7.0	2.0	4.0	.0	1.0	.0	.0	14.0	.0	1.0	12.0	.0	1.0	.0	72.0
0600	5.9	.0	2.0	.0	2.0	.0	2.0	11.8	.0	.0	15.7	.0	.0	.0	72.5
1200	4.2	5.3	5.3	.0	2.1	.0	4.2	21.1	1.1	.0	13.7	.0	.0	.0	64.2
1800	5.5	1.8	5.5	.0	.0	.0	3.6	16.4	1.8	.0	18.2	.0	.0	.0	63.6
TOT PCT	5.6	2.7	4.3	.0	1.3	.0	2.3	16.3	.7	.3	14.3	.0	.3	.0	68.1
TOT OBS:	301														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.2	2.5	4.0	4.4	1.1	.0	12.1	19.8	14.3	15.0	.0	10.4	8.8	11.5	.0	15.0
NE	.4	.9	1.1	.2	.0	.2	2.8	13.8	3.3	1.3	.0	.0	2.0	4.3	.0	4.5
E	.3	.2	.6	.4	.5	.2	2.1	23.4	3.3	1.3	16.7	1.6	.5	2.0	20.0	2.0
SE	.3	1.2	2.9	1.1	.7	.0	5.8	17.6	4.3	6.9	.0	10.4	3.4	7.2	.0	3.0
S	.2	1.0	2.3	1.6	.8	.1	6.1	20.4	9.7	3.1	.0	4.4	7.6	8.3	13.0	5.0
SW	.2	4.2	10.0	3.7	1.7	.2	19.8	18.0	16.7	17.5	25.0	15.9	24.8	21.6	5.0	21.0
W	.2	3.8	10.6	6.9	1.4	.2	23.2	19.0	28.6	25.6	25.0	25.8	20.6	19.3	.0	24.0
NW	.8	5.6	11.5	7.8	1.1	.0	26.8	17.7	21.9	28.1	33.3	31.3	31.4	24.7	40.0	24.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	25	128	283	173	48	6	663	18.2	105	80	6	91	102	174	5	100
TOT PCT	3.8	19.3	42.7	26.1	7.2	.9	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.1	3.5	4.4	3.0	.2	12.1	19.8	14.6	9.8	10.5	14.3
NE	1.1	1.2	.2	.1	.2	2.8	13.8	2.4	.0	3.4	4.3
E	.5	.5	.3	.7	.2	2.1	23.4	2.4	2.6	1.4	2.9
SE	1.2	2.0	1.1	1.4	.2	5.8	17.6	5.4	9.8	5.8	2.9
S	.2	2.2	2.3	1.1	.3	6.1	20.4	4.6	4.1	8.1	5.5
SW	1.7	8.3	6.2	2.7	.9	19.8	18.0	17.0	16.5	22.7	20.2
W	1.7	8.1	9.0	3.6	.8	23.2	19.0	27.3	25.8	19.7	22.9
NW	2.5	9.2	10.6	4.5	.0	26.8	17.7	24.6	31.4	27.2	25.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2					1.2	.0	1.6	.0	1.1	1.9
TOT OBS	74	232	226	113	18	663	18.2	183	97	276	105
TOT PCT	11.2	35.0	34.1	17.0	2.7	100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1903-1974
(COVER-ALL) 1869-1974

MAY

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	1.6	2.2	22.2	44.3	22.2	7.0	.5	17.4	100.0	185
06009	.0	3.1	21.6	38.1	27.8	9.3	.0	18.3	100.0	97
12015	1.1	2.5	17.0	42.8	29.7	5.8	1.1	18.6	100.0	276
18021	1.9	2.9	18.1	43.8	21.9	9.5	1.9	18.8	100.0	105
TOT	8	17	128	283	173	48	6	18.2		663
PCT	1.2	2.6	19.3	42.7	26.1	7.2	.9		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	2.4		8.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	3.6	.0	3.6	.0		4.0
SW	8.3	9.5	1.2	9.5		4.1
W	2.4	4.8	4.8	4.8		3.4
NH	4.8	.0	16.7	7.1		5.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	3	7	7	21	5.4
TOT PCT	19.0	14.3	33.3	33.3	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	4.8	.0	.0	2.4	.0	.0	4.8	.0	.0	.0	4.8	.0
NE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	3.6
SW	.0	.0	.0	.0	6.0	4.8	.0	.0	.0	.0	.0	17.9
W	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	11.9
NH	.0	.0	.0	4.8	4.8	.0	9.5	.0	.0	.0	.0	9.5
VAR	.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
TOT OBS	1	0	0	2	3	1	9	1	0	1	9	21
TOT PCT	4.8	.0	.0	9.5	14.3	4.8	14.3	4.8	.0	4.8	42.9	100.0

TABLE 7

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

CEILING (FEET)	OR		OR		OR		OR		OR	
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0		
>6500	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		
>5000	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5		
>3500	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8		
>2000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6		
>1000	38.1	42.9	42.9	42.9	42.9	42.9	42.9	42.9		
>600	42.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4		
>300	42.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4		
>150	42.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4		
>0	42.9	52.4	52.4	52.4	52.4	57.1	57.1	57.1		
TOTAL	9	11	11	11	11	12	12	12		

TOTAL NUMBER OF OBS: 21

PCT FREQ NH <5/8: 42.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.7	6.5	3.2	6.5	9.7	6.5	16.1	19.4	22.6	.0	31

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	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	ND PCP	.2	.0	.0	.0	.0	.4	.4	1.0	.0	.4	2.3	
	TOT %	.6	.0	.0	.0	.0	.4	.4	1.0	.0	.4	2.7	
1/2<1	PCP	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.8	
	ND PCP	1.3	.0	.0	.4	.0	.6	1.5	3.8	.0	.0	7.7	
	TOT %	1.3	.0	.0	.4	.0	1.2	1.7	3.8	.0	.0	8.5	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	ND PCP	.4	.0	.0	.0	.0	.0	.4	1.2	.0	.4	2.3	
	TOT %	.4	.0	.0	.0	.0	.0	.4	1.9	.0	.4	3.1	
2<5	PCP	.2	.0	.0	.0	.4	.0	.0	.2	.0	.0	.8	
	ND PCP	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	TOT %	.2	.0	.0	.0	.4	.0	.0	.6	.0	.0	1.2	
5<10	PCP	2.3	1.0	.0	.4	.2	4.2	2.9	2.5	.0	.0	13.5	
	ND PCP	3.3	1.3	.4	.4	2.5	16.9	19.4	16.9	.0	.4	61.5	
	TOT %	5.6	2.3	.4	.8	2.7	21.2	22.3	19.4	.0	.4	75.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	ND PCP	.8	.4	.4	.4	.6	1.9	1.7	3.5	.0	.0	9.6	
	TOT %	.8	.4	.4	.4	.6	1.9	1.7	3.5	.0	.0	9.6	
TOT OBS													260
TOT PCT		8.8	2.7	.8	1.5	3.7	24.6	26.5	30.2	.0	1.2	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	.0	.0	.0	.0	.0	.0	.0	.4	1.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.4	.0	.0	.0	.0	.4	.4	.0	.0	.0	1.1	
	22+	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	
	TOT %	.6	.0	.0	.0	.0	.4	.4	1.0	.0	.4	2.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	4-10	.2	.0	.0	.4	.0	.0	.6	1.5	.0	.0	2.7	
	11-21	.0	.0	.0	.0	.0	.8	.8	1.5	.0	.0	3.0	
	22+	1.1	.0	.0	.0	.0	.4	.4	.4	.0	.0	2.3	
	TOT %	1.3	.0	.0	.4	.0	1.1	1.7	3.8	.0	.0	8.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.4	.0	.4	.8	
	4-10	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	11-21	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.8	
	22+	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.8	
	TOT %	.4	.0	.0	.0	.0	.0	.4	1.9	.0	.4	3.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	11-21	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	
	22+	.2	.0	.0	.0	.8	.0	.0	.2	.0	.0	1.1	
	TOT %	.2	.0	.0	.0	1.1	.0	.0	.6	.0	.0	1.9	
5<10	0-3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.8	
	4-10	3.0	1.1	.0	.0	.6	5.9	4.6	6.5	.0	.0	21.7	
	11-21	1.0	.8	.4	.4	1.5	10.3	12.0	8.4	.0	.0	34.6	
	22+	1.5	.0	.0	.4	.6	4.8	5.5	4.4	.0	.0	17.1	
	TOT %	5.5	2.3	.4	.8	2.7	20.9	22.1	19.2	.0	.4	74.1	
10+	0-3	.2	.2	.0	.0	.0	.0	.0	.4	.0	.0	.8	
	4-10	.2	.0	.0	.4	.3	.3	.6	1.3	.0	.0	3.0	
	11-21	.6	.4	.4	.0	.0	1.5	.8	1.3	.0	.0	4.9	
	22+	.0	.0	.0	.0	.3	.1	.4	.4	.0	.0	1.1	
	TOT %	1.0	.6	.4	.4	.6	1.9	1.7	3.4	.0	.0	9.9	
TOT OBS													263
TOT PCT		8.9	2.9	.8	1.5	4.4	24.3	26.2	29.8	.0	1.1	100.0	

MAY

PERIOD: (PRIMARY) 1903-1974
(OVER-ALL) 1869-1974

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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	9.1	.0	.0	9.1	.0	9.1	18.2	.0	.0	9.1	54.5	45.5	11
06009	.0	.0	.0	.0	20.0	.0	20.0	.0	.0	.0	40.0	60.0	5
12015	.0	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	50.0	50.0	4
18021	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	66.7	33.3	3
TOT	1	0	0	2	3	1	3	1	0	1	12	11	23
PCT	4.3	.0	.0	8.7	13.0	4.3	13.0	4.3	.0	4.3	52.2	47.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	3.1	8.2	1.0	2.0	74.5	11.2	98
06009	3.8	7.7	1.9	3.8	73.1	9.6	52
12015	1.1	7.4	4.2	1.1	80.0	6.3	95
18021	1.9	5.8	3.8	.0	76.9	11.5	52
TOT	7	22	8	5	227	28	297
PCT	2.4	7.4	2.7	1.7	76.4	9.4	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	10.0	10.0	70.0	40.0	40.0	10
06009	.0	.0	.0	40.0	60.0	5
12015	.0	.0	.0	66.7	33.3	3
18021	.0	.0	33.3	33.3	33.3	3
TOT	1	1	3	9	9	21
PCT	4.8	4.8	14.3	42.9	42.9	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
50/54	.0	.0	.0	.0	.0	.9	.5	.5	4	1.9
45/49	.0	.0	.0	.0	.0	5.6	10.2	14.9	66	30.7
40/44	.0	.0	.5	.0	5.1	2.8	15.3	23.7	102	47.4
35/39	.0	.0	.5	.8	1.9	1.4	6.0	6.5	36	16.7
30/34	.0	.0	.0	.0	.0	.5	1.9	.5	6	2.8
25/29	.0	.0	.0	.0	.5	.0	.0	.0	1	.5
TOTAL	0	0	2	1	16	24	73	99	215	100.0
PCT	.0	.0	.9	.5	7.4	11.2	34.0	46.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	1.2	.2	.5	.0	.0
4.9	.0	.0	.0	.3	4.1	8.8	11.6	.0	.9
2.6	2.6	.9	1.4	1.4	12.6	13.3	12.8	.0	.0
.5	.2	.0	.5	1.6	7.4	3.5	2.6	.0	.5
.5	.2	.0	.0	.0	.5	.9	.9	.0	.0
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
8.4	2.8	.9	1.9	3.8	25.7	26.7	28.4	.0	1.4

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	52	51	47	42	34	30	29	41.5	201
06009	53	49	47	42	34	30	30	41.5	106
12015	51	50	47	42	34	32	31	41.4	281
18021	51	50	48	43	35	32	32	41.8	112
TOT	53	50	47	42	34	31	29	41.5	700

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.2	8.4	14.5	34.9	41.0	86	83		
06009	.0	2.3	4.7	7.0	46.5	39.5	86	43		
12015	.0	1.3	7.6	10.1	31.6	49.4	87	79		
18021	.0	2.4	7.1	14.3	23.8	52.4	87	42		
TOT	0	4	18	29	84	112	86	247		

PERIOD: (PRIMARY) 1903-1974
(OVER-ALL) 1869-1974

MAY

AREA 0018 FALKLAND ISLANDS
51.95 57.3W

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	29 32	33 36	37 40	41 44	45 48	49 52	TOT	% FOG	NO FOG
9/10	.0	.0	.0	.0	.0	1.2	2	.0	1.2
7/8	.0	.0	.0	.0	.0	.6	1	.0	.6
5	.0	.0	.0	.0	1.2	.0	2	1.2	.0
4	.0	.0	.0	.6	.6	1.2	4	.0	2.4
3	.0	.0	.0	.6	5.9	.0	11	2.4	4.1
2	.0	.0	.6	1.2	4.7	.6	12	1.8	5.3
1	.0	.0	.0	4.7	13.5	.6	32	4.1	14.7
0	.0	.0	.6	9.4	5.3	.0	26	1.8	13.5
-1	.0	.0	.6	11.2	.6	.0	21	1.2	11.2
-2	.0	.0	2.4	7.1	1.2	.0	18	.6	10.0
-3	.0	.0	2.9	1.8	.0	.0	8	1.2	3.5
-4	.0	.0	3.5	1.8	.0	.0	9	1.2	4.1
-5	.0	.6	.6	.6	.0	.0	3	.0	1.8
-6	.0	.0	5.3	.6	.0	.0	10	1.8	4.1
-7/-8	.0	.6	1.8	.0	.0	.0	4	.6	1.8
-9/-10	.0	2.4	.0	.0	.0	.0	4	.0	2.4
-11/-13	.0	1.2	.0	.0	.0	.0	2	.0	1.2
-14/-16	.6	.0	.0	.0	.0	.0	1	.0	.6
TOTAL	1	8	31	67	56	7	170	30	140
PCT	.6	4.7	18.2	39.4	32.9	4.1	100.0	17.6	82.4

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1974

MAY

AREA 0018 FALKLAND ISLANDS
51.95 57.3W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	100.0	.0	.0	100.0	.0
12	.0	.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	.0	.0	.0	100.0	.0	.0	100.0	1

PERIOD: (OVER-ALL) 1950-1974

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	.0	22.2	11.1	22.2	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
6-7	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
INDET	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
TOTAL	.0	2	1	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	5
PCT	.0	22.2	11.1	44.4	11.1	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1870-1969

AREA 0018 FALKLAND ISLANDS
52.15 96.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.0	.0	.0	87.1
NE	.0	.0	25.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	25.0	.0	50.0
E	.0	.0	36.4	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
SE	66.7	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	.0	33.3
S	7.1	14.3	.0	.0	28.6	.0	.0	35.7	.0	.0	.0	.0	.0	.0	64.3
SW	4.7	18.6	9.3	.0	23.3	.0	.0	37.2	.0	.0	.0	.0	.0	.0	62.8
W	.0	.0	.0	.0	8.2	.0	.0	8.2	.0	.0	16.4	.0	.0	.0	75.3
NW	4.9	.0	4.9	.0	.0	.0	.0	9.8	.0	.0	14.6	.0	.0	.0	75.6
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	.0	.0	100.0
TOT PCT	5.3	4.0	5.3	.0	8.0	.0	.0	18.7	.0	.0	9.3	.0	1.3	.0	70.7
TOT OBS:	75														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	4.3	4.3	8.7	.0	8.7	.0	.0	21.7	.0	.0	8.7	.0	.0	.0	69.6
0600	9.1	.0	9.1	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	81.8
1200	8.0	4.0	.0	.0	8.0	.0	.0	16.0	.0	.0	12.0	.0	4.0	.0	68.0
1800	.0	5.3	5.3	.0	15.8	.0	.0	21.1	.0	.0	10.5	.0	.0	.0	68.4
TOT PCT	5.1	3.8	5.1	.0	9.0	.0	.0	19.2	.0	.0	9.0	.0	1.3	.0	70.5
TOT OBS:	78														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.5	3.1	2.3	3.5	.5	.1		11.1	16.9	10.9	6.9	16.7	5.0	7.5	16.0	22.5	13.0
NE	.5	1.8	1.9	.5	.0	.0		4.7	12.5	8.2	2.9	.0	3.0	4.8	4.3	.0	5.6
E	.9	2.2	1.0	.8	.0	.0		4.9	10.8	2.0	2.9	.0	5.0	7.0	7.6	.0	3.7
SE	.8	1.4	2.0	.4	.9	.0		5.5	15.7	6.3	5.9	.0	4.0	3.5	4.8	10.0	8.3
S	.1	.6	2.2	2.0	.4	.0		5.3	20.0	5.5	7.8	.0	4.0	7.0	3.3	15.0	4.6
SW	.0	4.1	7.6	4.2	3.0	1.0		19.9	21.7	20.3	21.6	.0	26.0	20.2	17.6	15.0	18.5
W	.6	3.2	9.0	6.8	2.3	.5		22.5	20.6	23.0	24.5	33.3	23.0	25.0	19.0	20.0	23.1
NW	1.1	5.1	8.5	6.5	2.0	1.4		24.6	20.5	23.8	23.5	50.0	26.0	23.2	26.4	17.5	23.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0	.0	3.9	.0	4.0	1.8	1.0	.0	.0
TOT OBS	28	85	136	97	36	12	394		18.9	64	51	3	50	57	105	10	54
TOT PCT	7.1	21.6	34.5	24.6	9.1	3.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	09	12
N	3.2	2.2	2.6	2.7	.4		11.1	16.9	9.1	5.7	13.0	14.5
NE	1.5	1.2	1.9	.1	.0		4.7	12.5	5.9	2.8	4.5	4.7
E	1.8	2.1	.6	.4	.0		4.9	10.8	2.4	4.7	7.4	3.1
SE	1.3	2.2	.9	1.1	.0		5.5	15.7	6.1	3.8	4.3	8.6
S	.5	1.0	2.8	1.0	.0		5.3	20.0	6.5	3.8	4.6	6.3
SW	1.0	8.2	4.7	3.8	2.2		19.9	21.7	20.9	24.5	18.5	15.0
W	1.8	7.6	7.4	4.0	1.6		22.5	20.6	23.7	23.6	21.1	22.7
NW	3.7	6.0	8.2	4.3	2.4		24.6	20.5	23.7	27.4	25.3	22.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	1.7	3.8	1.2	.0
TOT OBS	64	120	115	69	26	394		18.9	115	53	162	64
TOT PCT	16.2	30.5	29.2	17.5	6.6		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1870-1969

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	1.7	4.3	23.5	36.5	22.6	8.7	2.6	18.1	100.0	115
06009	3.8	1.9	20.8	32.1	32.1	5.7	3.8	18.9	100.0	53
12015	1.2	8.0	21.0	30.9	27.2	8.6	3.1	19.0	100.0	162
18021	.0	4.7	20.3	42.2	15.6	14.1	3.1	20.0	100.0	64
TOT	6	22	85	136	97	36	12	18.9		394
PCT	1.5	5.6	21.6	34.5	24.6	9.1	3.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.7	.0	.7	5.3	7.2	7.2
E	2.0	.0	2.6	.0	4.4	4.4
SE	.0	.0	2.6	.0	7.0	7.0
S	.0	1.3	3.9	2.6	6.6	6.6
SW	2.6	1.3	13.8	2.6	5.5	5.5
W	9.9	2.6	8.6	2.0	3.8	3.8
NW	3.3	3.9	2.6	12.5	6.0	6.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	7	4	14	13	38	5.6
TOT PCT	18.4	10.5	36.8	34.2	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	1.3	.0	.0	2.0	.0	2.6	.0	.0	.0	.0	.0	6.6
NE	.0	.0	.0	3.3	.0	.0	2.6	.0	.0	.0	.0	.7
E	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	2.0
SE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	1.3	5.3	.0	.0	.0	.0	.0	1.3
SW	.0	.0	.0	.0	3.9	5.9	.7	.0	.0	.0	.0	9.9
W	.0	.0	.0	.0	.0	2.0	3.9	.0	.0	.0	.0	17.1
NW	1.3	.0	.0	2.6	7.9	.0	.7	.0	.0	.0	.0	9.9
VAR	.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
TOT OBS	1	0	0	4	6	6	3	0	0	0	0	38
TOT PCT	2.6	.0	.0	10.5	15.8	15.8	7.9	.0	.0	.0	47.4	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	2.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
>2000	12.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
>1000	20.0	32.5	37.5	37.5	37.5	37.5	37.5	37.5
>600	30.0	45.0	50.0	50.0	50.0	50.0	50.0	50.0
>300	30.0	45.0	50.0	50.0	50.0	50.0	50.0	50.0
>150	30.0	45.0	50.0	50.0	50.0	50.0	50.0	50.0
>0	30.0	45.0	52.5	52.5	52.5	52.5	52.5	52.5
TOTAL	12	18	21	21	21	21	21	21

TOTAL NUMBER OF OBS: 40

PCT FREQ NH <5/8: 47.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
12.5	7.5	10.0	12.5	5.0	7.5	10.0	15.0	20.0	.0	40

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
142	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	3.3	2.0	.0	.0	.0	5.3	.0
	NO PCP	.7	.0	.0	.0	.0	.0	2.0	2.0	.0	.0	2.7	.0
	TOT %	.7	.0	.0	.0	.0	3.3	2.0	2.0	.0	.0	8.0	.0
5<10	PCP	.0	1.3	1.3	2.7	2.7	.0	.0	1.3	.0	.0	9.3	.0
	NO PCP	5.3	2.3	1.0	.0	4.0	4.7	15.3	20.7	.0	.0	53.3	.0
	TOT %	5.3	3.7	2.3	2.7	6.7	4.7	15.3	22.0	.0	.0	62.7	.0
10+	PCP	.0	.0	.0	.0	.7	2.0	.0	1.3	.0	.0	4.0	.0
	NO PCP	4.3	1.7	1.3	1.3	2.0	4.3	7.0	2.0	.0	1.3	25.3	.0
	TOT %	4.3	1.7	1.3	1.3	2.7	6.3	7.0	3.3	.0	1.3	29.3	.0
TOT OBS													75
TOT PCT													10.3 5.3 3.7 4.0 9.3 14.3 24.3 27.3 .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	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.7	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.6	.0
	11-21	.0	.0	.0	.0	.0	3.3	2.0	.0	.0	.0	5.3	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.7	.0	.0	.0	.0	3.3	2.0	2.0	.0	.0	7.9	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	1.3	.0
	4-10	3.3	.3	1.0	.0	.0	.0	5.3	5.9	.0	.0	15.8	.0
	11-21	2.0	3.3	.0	.0	2.6	5.3	6.3	10.9	.0	.0	30.3	.0
	22+	.0	.0	1.3	2.6	3.9	.7	3.6	3.6	.0	.0	15.8	.0
	TOT %	5.3	3.6	2.3	2.6	6.6	5.9	15.1	21.7	.0	.0	63.2	.0
10+	0-3	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	1.3	3.9	.0
	4-10	1.0	.3	.0	.0	.0	.3	1.0	.0	.0	.0	2.6	.0
	11-21	1.0	.0	.0	.0	2.0	5.3	5.9	3.0	.0	.0	17.1	.0
	22+	2.3	.0	1.3	.0	.7	.7	.0	.3	.0	.0	5.3	.0
	TOT %	4.3	1.6	1.3	1.3	2.6	6.3	6.9	3.3	.0	1.3	28.9	.0
TOT OBS													76
TOT PCT													10.2 5.3 3.6 3.9 9.2 15.5 24.0 27.0 .0 1.3 100.0

JUNE

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1870-1969

AREA 0018 FALKLAND ISLANDS
52.15 56.9W

TABLE 10

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

HR	000	140	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0000	.0	.0	.0	16.7	8.3	16.7	16.7	.0	.0	.0	58.3	41.7	12
0600	25.0	.0	.0	25.0	25.0	.0	.0	.0	.0	.0	75.0	25.0	4
1200	.0	.0	.0	7.7	15.4	15.4	7.7	.0	.0	.0	46.2	53.8	13
1800	.0	.0	.0	9.1	18.2	18.2	.0	.0	.0	.0	45.5	54.5	11
TOT	1	0	0	5	6	6	3	0	0	0	21	19	40
PCT	2.5	.0	.0	12.5	15.0	15.0	7.5	.0	.0	.0	52.5	47.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	.0	.0	.0	4.3	73.9	21.7	23
0600	.0	.0	.0	27.3	63.6	9.1	11
1200	.0	.0	.0	.0	57.7	42.3	26
1800	.0	.0	.0	10.5	52.6	36.8	19
TOT	0	0	0	6	49	24	79
PCT	.0	.0	.0	7.6	62.0	30.4	100.0

TABLE 12

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

HR	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
0000	.0	.0	16.7	41.7	41.7	12
0600	25.0	25.0	75.0	.0	25.0	4
1200	.0	.0	7.7	38.5	53.8	13
1800	.0	.0	18.2	27.3	54.5	11
TOT	1	1	8	13	19	40
PCT	2.5	2.5	20.0	32.5	47.5	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
45/49	.0	.0	.0	.0	.0	5.4	8.1	5.4	14	18.9
40/44	.0	.0	.0	.0	8.1	5.4	6.8	12.2	24	32.4
35/39	.0	.0	.0	4.1	2.7	9.3	13.5	16.2	34	45.9
30/34	.0	.0	.0	.0	.0	.0	.0	2.7	2	2.7
TOTAL	0	0	0	3	8	15	21	27	74	100.0
PCT	.0	.0	.0	4.1	10.8	20.3	28.4	36.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	2.7	.0	.0	.0	.0	1.7	5.4	9.1	.0	.0
40/44	5.4	.3	2.4	.0	2.7	4.7	5.1	11.8	.0	.0
35/39	1.0	4.4	1.4	4.1	6.8	9.8	13.9	3.4	.0	1.4
30/34	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0
TOTAL	9.1	6.1	3.7	4.1	9.5	16.2	25.7	24.3	.0	1.4

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	47	46	45	39	33	29	29	39.1	108
0600	47	46	45	39	32	29	29	39.3	54
1200	46	45	44	39	34	30	29	39.3	149
1800	46	45	45	40	34	33	33	39.6	62
TOT	47	46	45	39	34	30	29	39.3	383

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	8.7	8.7	17.4	30.4	34.8	82	23
0600	.0	.0	9.1	27.3	27.3	36.4	84	11
1200	.0	.0	8.3	20.8	29.2	41.7	83	24
1800	.0	5.3	15.8	15.8	31.6	31.6	80	19
TOT	0	3	8	15	23	28	83	77

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1870-1969

JUNE

AREA 0018 FALKLAND ISLANDS
52.1S 56.9W

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	33 36	37 40	41 44	45 48	TOT	% FOG	% FOG
7/8	.0	.0	1.4	.0	1	.0	1.4
6	.0	.0	1.4	.0	1	.0	1.4
5	.0	.0	1.4	1.4	2	.0	2.7
4	.0	.0	.0	1.4	1	.0	1.4
3	.0	.0	.0	4.1	3	.0	4.1
2	.0	.0	1.4	6.8	6	.0	8.1
1	.0	.0	4.1	.0	3	.0	4.1
0	.0	.0	4.1	4.1	6	1.4	6.8
-1	.0	4.1	5.4	.0	7	.0	9.5
-2	.0	9.5	2.7	.0	9	1.4	10.8
-3	1.4	9.5	4.1	1.4	12	2.7	13.9
-4	5.4	5.4	.0	.0	8	.0	10.8
-5	1.4	8.1	1.4	.0	8	1.4	9.5
-6	2.7	4.1	.0	.0	5	.0	6.8
-7/-8	1.4	.0	.0	.0	1	.0	1.4
-9/-10	1.4	.0	.0	.0	1	.0	1.4
TOTAL	10		20		74	5	69
PCT	13.5	40.5	27.0	18.9	100.0	6.8	93.2

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	3.1	.0	.0	.0	.0	3.1	4.2	1.0	.0	.0	.0	.0	.0	5.2
1-2	.0	.0	3.1	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	3.1	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	4.2	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	3.1	3.1	7.3	.0	.0	13.5	4.2	1.0	.0	.0	.0	.0	.0	5.2

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	4.2
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	4.2

PERIOD: (OVER-ALL) 1963-1969

JUNE
TABLE 18 (CONT)

AREA 0018 FALKLAND ISLANDS
52.1S 56.9W

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.2	.0	.0	.0	.0	.0	6.3
3-4	.0	.0	4.2	.0	.0	.0	.0	4.2	.0	17.7	.0	.0	.0	.0	.0	17.7
5-6	.0	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	4.2
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	8.3	.0	.0	.0	.0	8.3	.0	1.0	27.1	.0	.0	.0	.0	28.1

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.1	11.9	.0	.0	.0	.0	14.6	.0	1.0	.0	.0	.0	.0	.0	1.0	.0
3-4	.0	.0	7.3	.0	.0	.0	.0	7.3	.0	4.2	.0	.0	.0	.0	.0	4.2	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	.0
7	.0	.0	3.1	4.2	.0	.0	.0	7.3	.0	5.2	.0	.0	.0	.0	.0	5.2	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	3.1	21.9	4.2	.0	.0	.0	29.2	.0	.0	10.4	1.0	.0	.0	.0	11.5	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	12.0	4.0	.0	.0	.0	.0	16.0	
1-2	.0	4.0	20.0	.0	.0	.0	24.0	
3-4	.0	.0	32.0	.0	.0	.0	32.0	
5-6	.0	.0	4.0	4.0	.0	.0	8.0	
7	.0	.0	12.0	8.0	.0	.0	20.0	
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	12.0	8.0	68.0	12.0	.0	.0	100.0	25

PERIOD: (OVER-ALL) 1949-1969

TABLE 19

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

PERIOD (SFC)	<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	.0	9.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	2
6-7	.0	.0	3.2	16.1	16.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
8-9	.0	.0	6.5	.0	.0	9.7	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
10-11	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
12-13	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	.0	.0	3.2	16.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
TOTAL	.0	3	3	6	14	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	31	6
PCT	.0	9.7	9.7	19.4	45.2	9.7	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970

JULY

APEA 0018 FALKLAND ISLANDS
52.03 57.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	11.8	.0	.0	.0	.0	.0	.0	11.8	.0	3.9	.0	.0	.0	.0	84.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.2	.0	.0	.0	77.8
E	.0	22.2	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
SE	.0	8.7	.0	.0	69.6	.0	.0	78.3	.0	.0	17.4	.0	.0	.0	4.3
S	.0	6.7	3.3	.0	33.3	.0	.0	43.3	.0	.0	3.3	.0	.0	.0	53.3
SW	.0	9.6	2.4	.0	14.5	.0	7.2	33.7	.0	.0	19.3	.0	.0	.0	47.0
W	.0	.0	2.1	.0	.0	.0	10.5	12.6	11.6	4.2	12.6	.0	.0	.0	58.9
NW	.0	.0	4.9	.0	.0	.0	.0	4.9	.8	.0	8.2	.0	.0	.0	86.1
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	.0	.0	.0	.0	.0
TOT PCT	2.3	3.1	2.3	.0	9.4	.0	3.1	20.3	2.3	1.6	9.4	.0	.0	.0	66.4
TOT OBS:	128														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	6.4	4.3	4.3	.0	6.4	.0	.0	21.3	4.3	4.3	10.6	.0	.0	.0	59.6
0600	.0	7.7	.0	.0	15.4	.0	.0	23.1	.0	.0	7.7	.0	.0	.0	69.2
1200	.0	2.8	.0	.0	13.9	.0	8.3	25.0	2.8	.0	11.1	.0	.0	.0	61.1
1800	.0	.0	3.0	.0	6.1	.0	3.0	12.1	.0	.0	9.1	.0	.0	.0	78.8
TOT PCT	2.3	3.1	2.3	.0	9.3	.0	3.1	20.2	2.3	1.6	10.1	.0	.0	.0	65.9
TOT OBS:	129														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.4	2.2	6.5	3.2	1.0	.0	13.3	18.2	12.4	11.9	25.0	11.3	16.5	14.2	5.3	12.7	
NE	.1	.6	2.3	.9	.3	.0	4.1	17.5	2.2	2.3	4.2	4.0	4.9	5.3	5.3	4.9	
E	.3	.5	1.2	1.3	.1	.0	3.3	17.1	3.6	3.4	.0	6.0	3.4	3.0	.0	2.5	
SE	.2	1.3	.8	.9	.1	.1	3.3	14.7	5.1	4.5	.0	4.0	.5	3.3	.0	3.9	
S	.5	2.0	3.2	2.3	.4	.1	8.3	17.4	8.3	8.5	25.0	8.0	11.4	6.8	14.5	5.9	
SW	.4	2.9	9.8	6.7	3.3	.4	23.5	21.5	22.8	25.6	8.3	20.7	23.3	22.5	22.4	27.5	
W	.2	2.5	7.4	8.0	3.9	.6	22.5	23.7	23.5	22.2	.0	18.7	20.6	26.3	15.8	22.8	
NW	.5	4.1	8.3	6.2	1.4	.1	20.5	19.0	21.1	19.3	37.5	24.7	19.4	18.0	31.6	19.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1						1.1	.0	1.0	2.3	.0	2.7	.0	.6	5.3	.0	
TOT OBS	23	107	262	196	69	8	665	19.9	103	88	6	75	103	169	19	102	
TOT PCT	3.5	16.1	39.4	29.5	10.4	1.2	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.1	4.5	5.2	2.2	.2	13.3	18.2	12.2	12.3	15.1	11.6
NE	.3	1.8	1.6	.5	.0	4.1	17.5	2.2	4.0	5.1	5.0
E	.6	.8	1.7	.2	.0	3.3	17.1	3.5	5.6	3.1	2.1
SE	1.2	1.0	.8	.3	.1	3.3	14.7	4.8	3.7	2.2	3.3
S	1.5	2.7	2.1	2.0	.1	8.3	17.4	8.4	9.3	8.5	7.2
SW	1.2	7.1	8.0	6.0	1.2	23.5	21.5	24.1	19.8	22.8	26.7
W	1.3	3.7	10.0	5.9	1.7	22.5	23.7	22.9	17.3	24.2	21.7
NW	1.1	7.1	8.0	3.7	.5	20.5	19.0	20.3	25.6	18.6	21.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1					1.1	.0	1.6	2.5	.4	.8
TOT OBS	62	191	249	138	25	665	19.9	191	81	272	121
TOT PCT	9.3	28.7	37.4	20.8	3.8	100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970

AREA 0018 FALKLAND ISLANDS
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000Z	1.6	2.1	15.7	42.4	27.7	9.9	.5	19.0	100.0	191
0600Z	2.5	.0	19.8	39.5	30.9	4.9	2.5	19.0	100.0	81
1201Z	.4	2.9	15.8	39.0	29.0	11.8	1.1	20.3	100.0	272
1802Z	.8	3.3	14.9	35.5	32.2	11.6	1.7	21.2	100.0	121
TOT	7	16	107	262	196	69	8	19.9		665
PCT	1.1	2.4	16.1	39.4	29.5	10.4	1.2	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.9	4.5		7.8
E	.0	.0	.0	3.2		8.0
SE	.0	.0	.0	.5		8.0
S	.0	.0	3.9	4.1		6.6
SW	1.8	.0	7.3	6.8		6.6
W	1.4	5.5	6.8	11.4		6.1
NW	2.3	1.8	7.3	17.7		6.7
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	4	18	30	55	6.7
TOT PCT	5.5	7.3	32.7	54.5	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	4.5	.0	.0	4.5	.0	.0	1.8	
1.8	.0	.0	.0	2.7	.0	.0	.9	.0	.0	.0	
.0	.0	.0	.0	1.8	.0	1.4	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	
.0	.0	.0	.0	4.1	2.3	1.8	.0	.0	.0	1.8	
.0	.0	.0	.0	3.0	5.5	3.6	.0	.0	.0	1.8	
.0	.0	.0	.0	5.5	5.0	1.8	.0	.0	.0	12.7	
.0	.0	.0	.0	.0	9.1	1.8	.0	.0	3.6	14.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1	0	0	0	13	12	6	3	0	2	18	55
1.8	.0	.0	.0	23.6	21.8	10.9	5.5	.0	3.6	32.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>500	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
>1000	3.6	5.5	9.1	9.1	9.1	9.1	9.1	9.1
>1500	12.7	16.4	20.0	20.0	20.0	20.0	20.0	20.0
>2000	30.9	36.4	41.8	41.8	41.8	41.8	41.8	41.8
>2500	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5
>3000	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5
>3500	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5
>4000	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5
>4500	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5
>5000	34.5	49.1	61.8	63.6	65.5	67.3	67.3	67.3
TOTAL	19	27	34	35	36	37	37	37

TOTAL NUMBER OF OBS: 55

PCT FREQ NH <5/8: 32.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.6	3.6	5.4	7.1	12.5	3.6	17.9	8.9	35.7	1.8	56

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	.0
	NO PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
1/2<1	PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8
	NO PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8
	TOT %	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	1.6
1<2	PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8
	NO PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8
	TOT %	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	1.6
2<5	PCP	.0	.0	.0	.0	2.0	.4	1.6	.0	.0	.0	.0	3.9
	NO PCP	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
	TOT %	1.6	.0	.0	.0	2.0	.4	1.6	.0	.0	.0	.0	5.5
5<10	PCP	1.6	.0	.4	3.5	2.7	3.5	1.2	.4	.0	.0	.0	13.3
	NO PCP	13.9	2.5	1.4	1.0	4.7	4.7	6.3	10.9	.0	.0	.0	45.3
	TOT %	15.4	2.5	1.8	4.5	7.4	8.2	7.4	11.3	.0	.0	.0	58.6
10+	PCP	.8	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	1.6
	NO PCP	2.1	.2	.0	.0	2.0	4.5	10.0	11.7	.0	.0	.0	20.5
	TOT %	2.9	.2	.0	.0	2.0	4.5	10.0	12.5	.0	.0	.0	22.0
TOT OBS		19.9	3.5	1.8	4.5	11.3	16.2	18.9	23.8	.0	.0	.0	120
TOT PCT		19.9	3.5	1.8	4.5	11.3	16.2	18.9	23.8	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	1.5
	TOT %	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	1.5
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.8	1.5	.0	.0	.0	.0	.0	2.3
	TOT %	.0	.0	.0	.0	.8	1.5	.0	.0	.0	.0	.0	2.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.0	.8
	22+	1.5	.0	.0	.0	1.3	.2	1.5	.0	.0	.0	.0	4.6
	TOT %	1.5	.0	.0	.0	1.9	.4	1.5	.0	.0	.0	.0	5.3
5<10	0-3	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6
	4-10	1.5	.0	.6	.2	.8	2.3	.4	2.7	.0	.0	.0	8.4
	11-21	8.0	1.5	.0	2.3	5.0	1.5	3.4	1.1	.0	.0	.0	22.9
	22+	5.5	1.0	1.1	1.9	3.1	3.4	3.4	7.3	.0	.0	.0	26.7
	TOT %	15.1	2.5	1.7	4.4	8.8	8.0	7.3	11.1	.0	.0	.0	58.8
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
	4-10	.0	.0	.0	.0	.8	.8	.0	3.1	.0	.0	.0	4.6
	11-21	.0	.0	.0	.0	.4	1.9	3.4	4.2	.0	.0	.0	9.9
	22+	2.9	.2	.0	.0	.8	1.7	6.3	4.2	.0	.0	.0	16.0
	TOT %	2.9	.2	.0	.0	1.9	4.4	9.7	12.2	.0	.0	.0	31.3
TOT OBS		19.5	3.4	1.7	4.4	13.4	15.8	18.5	23.3	.0	.0	.0	131
TOT PCT		19.5	3.4	1.7	4.4	13.4	15.8	18.5	23.3	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970

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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	295	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	.0	22.2	11.1	16.7	5.6	.0	.0	55.6	44.4	18
06009	.0	.0	.0	.0	50.0	16.7	16.7	.0	.0	.0	83.3	16.7	6
12015	.0	.0	.0	.0	25.0	16.7	16.7	8.3	.0	.0	66.7	33.3	12
18021	5.3	.0	.0	.0	15.8	36.8	.0	5.3	.0	10.5	73.7	26.3	19
TOT	1	0	0	0	13	12	6	3	0	2	37	18	55
PCT	1.8	.0	.0	.0	23.6	21.8	10.9	5.5	.0	3.6	67.3	32.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	2.1	.0	.0	68.8	29.2	48
06009	.0	.0	.0	7.1	50.0	42.9	14
12015	.0	2.8	5.6	8.3	61.1	22.2	36
18021	2.9	.0	2.9	8.8	47.1	38.2	34
TOT	1	2	3	7	78	41	132
PCT	.8	1.5	2.3	5.3	59.1	31.1	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<50YD	<1	<5	AND5+	AND 5+	OBS
00003	.0	.0	.0	55.6	44.4	18
06009	.0	.0	16.7	66.7	16.7	6
12015	.0	8.3	33.3	33.3	33.3	12
18021	5.3	5.3	26.3	47.4	26.3	19
TOT	1	2	10	27	18	55
PCT	1.9	3.6	18.2	49.1	32.7	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	PCT
									OBS	FREQ
45/49	.0	.0	.0	.0	.0	.9	5.2	3.5	11	9.6
40/44	.0	.0	.0	.9	3.5	7.8	12.2	33.9	67	58.3
35/39	.0	.0	.0	1.7	1.7	3.5	5.2	6.1	21	18.3
30/34	.0	.0	.0	.0	.0	5.2	4.3	4.3	16	13.9
TOTAL	0	0	0	3	6	20	31	55	115	100.0
PCT	.0	.0	.0	2.6	5.2	17.4	27.0	47.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	2.8	.0	.0	.0	.0	.4	6.3	.0	.0	.0
40/44	20.9	3.9	.0	.0	1.3	2.6	11.1	18.5	.0	.0
35/39	.9	.0	.7	1.1	3.0	6.7	5.0	.9	.0	.0
30/34	.0	.0	.0	.9	7.0	4.8	1.1	.2	.0	.0
TOTAL	24.6	3.9	.7	2.0	11.3	14.1	17.6	25.9	.0	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	47	46	43	39	32	26	22	38.1	184
06009	45	44	42	39	30	23	23	37.5	79
12015	48	45	44	39	31	26	25	38.3	272
18021	48	46	44	39	32	27	27	38.6	120
TOT	48	45	44	39	31	26	22	38.2	655

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	.0	5.3	10.5	36.8	47.4	88	38		
06009	.0	.0	.0	.0	27.3	72.7	91	11		
12015	.0	2.9	7.9	28.6	17.1	48.6	86	35		
18021	.0	6.5	9.7	19.4	25.8	38.7	83	31		
TOT	0	3	6	20	31	35	86	115		

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970

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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	29 32	33 36	37 40	41 44	45 48	TOT	% FOG	% FOG
5	.0	.0	.0	.0	.8	1	.0	.8
4	.0	.0	.0	.8	.0	1	.0	.8
3	.0	.0	.0	.8	1.7	3	.0	2.5
2	.0	.8	.0	3.3	.8	6	.8	4.2
1	.0	.0	.0	14.2	1.7	19	.0	15.8
0	.0	.0	2.5	15.8	.0	22	.8	17.5
-1	.0	.0	3.3	5.8	.0	11	2.5	6.7
-2	.0	.0	5.0	4.2	.0	11	3.3	5.8
-3	.0	.0	7.5	.8	.0	10	2.5	5.8
-4	.0	2.5	7.5	.0	.0	12	.0	10.0
-5	.0	.8	.0	.0	.0	1	.0	.8
-6	.0	4.2	.0	.0	.0	5	.0	4.2
-7/-8	.0	5.0	.0	.0	.0	6	.0	5.0
-9/-10	4.2	2.5	.0	.0	.0	8	.0	6.7
-11/-13	3.3	.0	.0	.0	.0	4	.0	3.3
TOTAL	9	19	31	55	6	120	12	108
PCT	7.5	15.8	25.8	45.8	5.0	100.0	10.0	90.0

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.0	.0	3.0	3.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.8	.0	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.8	.0	.0	.0	.8
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	7.6	3.0	.0	10.6	.0	.0	.0	1.5	.0	.0	.0	1.5

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1970

JULY

AREA 0018 FALKLAND ISLANDS
52.05 57.1W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	3.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.3	.0	.0	.0	2.3	.0	.0	.8	.0	.0	.0	.8
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	.8	.0	.0	.0	.8
13-16	.0	.0	.0	5.3	.0	.0	5.3	.0	.0	.8	.0	.0	.0	.8
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	6.1	6.1	.0	12.1	.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	.0	.0	2.3	5.3	.0	.0	7.6	.0	.0	3.8	7.6	6.1	.0	17.4

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	12.1	.0	.0	.0	.0	12.1	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	3.0	.0
7	.0	.0	3.0	3.0	.0	.0	6.1	.0	.0	.0	6.1	.0	.0	6.1	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	10.6	6.1	.0	16.7	.0	.0	.0	.8	.0	.0	.8	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	6.1	.0
17-19	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.8	.0	.0	.8	.0
20-22	.0	.0	.0	.0	.0	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	3.0	15.9	12.1	3.0	34.1	.0	12.1	3.0	7.6	6.1	.0	28.8	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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	12.1	3.0	.0	.0	.0	15.2	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	6.1	.0	.0	.0	6.1	.0
7	.0	.0	3.0	9.1	.0	.0	12.1	.0
8-9	.0	.0	.0	3.0	3.0	.0	6.1	.0
10-11	.0	.0	.0	3.0	3.0	.0	6.1	.0
12	.0	.0	.0	12.1	6.1	.0	18.2	.0
13-16	.0	.0	.0	9.1	6.1	.0	15.2	.0
17-19	.0	.0	.0	3.0	.0	.0	3.0	.0
20-22	.0	.0	.0	6.1	6.1	3.0	15.2	.0
23-25	.0	.0	.0	.0	3.0	.0	3.0	.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	.0	12.1	12.1	45.5	27.3	3.0	100.0	33

PERIOD: (OVER-ALL) 1951-1970

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	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
8-9	.0	.0	.0	.0	2.8	.0	5.6	11.1	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11
10-11	.0	.0	.0	.0	.0	.0	8.3	8.3	8.3	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	12
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.9	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	7	22
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	3	27
16-17	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	16
INDBT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	0	0	0	0	2	2	5	7	7	3	5	1	4	0	0	0	0	0	0	0	36	15
PCT	.0	.0	.0	.0	5.6	5.6	13.9	19.4	19.4	8.3	13.9	2.8	11.1	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1857-1969

AREA 0018 FALKLAND ISLANDS
52.35 56.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30.0	.0	.0	.0	90.0
NE	20.6	.0	.0	.0	.0	.0	.0	28.6	.0	.0	71.4	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	33.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	3.7	.0	.0	.0	.0	3.7	11.1	.0	14.8	.0	.0	.0	70.4
NW	.0	.0	3.7	.0	.0	.0	.0	3.7	3.7	.0	29.6	.0	.0	.0	63.0
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	.0	.0	.0
TOT PCT	1.9	.0	1.9	.0	.0	.0	.0	3.7	3.7	.0	27.8	.0	.0	.0	64.8
TOT OBS:	54														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000Z	.0	.0	6.3	.0	.0	.0	.0	6.3	6.3	.0	43.8	.0	.0	.0	43.8
0600Z	11.1	.0	.0	.0	.0	.0	.0	11.1	11.1	.0	22.2	.0	.0	.0	55.6
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.5	.0	.0	.0	76.5
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.1	.0	.0	.0	76.9
TOT PCT	1.8	.0	1.8	.0	.0	.0	.0	3.6	3.6	.0	29.1	.0	.0	.0	63.6
TOT OBS:	55														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.7	1.5	3.9	3.0	1.3	.1	10.4	19.9	9.3	9.4	25.0	8.7	9.3	11.6	14.3	12.1
NE	.9	1.5	.7	.5	.3	.1	3.3	15.8	8.0	4.3	25.0	4.0	4.0	1.4	.0	.7
E	.0	1.0	1.1	.8	.5	.4	3.7	22.8	7.7	1.4	.0	3.3	5.3	4.3	.0	5.0
SE	.3	1.0	1.3	1.1	.4	.0	4.0	17.3	4.7	6.5	12.5	5.3	2.7	2.5	.0	3.6
S	.4	2.3	3.7	1.7	2.8	.1	11.0	21.9	11.3	12.3	12.5	10.0	10.7	10.9	42.9	7.9
SW	.3	4.0	9.7	7.5	3.7	.3	25.5	21.1	28.0	21.0	.0	30.7	24.0	24.3	14.3	28.6
W	.2	4.5	10.8	4.4	1.8	.2	21.8	18.1	26.0	23.2	12.5	19.3	18.7	21.0	7.1	25.7
NW	.4	2.0	8.6	5.8	2.9	.0	19.8	21.3	12.0	21.7	12.5	18.7	25.3	22.5	21.4	16.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.0	.0	.0	.0	.0	1.4	.0	.0
TOT OBS	15	91	204	127	70	6	513	20.1	75	69	4	75	75	138	7	70
TOT PCT	2.9	17.7	39.8	24.8	13.6	1.2		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.1	3.0	3.8	2.0	.5	10.4	19.9	9.4	9.5	10.8	12.3
NE	.9	1.3	.6	.2	.4	3.3	15.8	5.2	5.1	2.3	.6
E	.3	1.3	.8	.9	.5	3.7	22.8	2.1	3.2	4.7	4.5
SE	.9	1.5	.8	.6	.3	4.0	17.3	5.6	5.7	2.6	3.2
S	.6	4.7	1.9	2.0	1.9	11.0	21.9	11.8	10.1	10.8	11.0
SW	.9	9.5	7.8	6.1	1.3	25.5	21.1	24.7	29.1	24.2	27.3
W	1.7	8.8	7.9	2.6	.9	21.8	18.1	24.7	19.0	20.2	24.0
NW	.8	5.8	7.3	5.4	.5	19.8	21.3	16.7	18.4	23.5	16.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4					.4	.0	.0	.0	.9	.0
TOT OBS	38	183	198	102	32	513	20.1	144	79	213	77
TOT PCT	7.4	35.7	30.8	19.9	6.2		100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1857-1969

AUGUST

AREA 0018 FALKLAND ISLANDS
52.25 56.7N

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	.0	2.1	23.6	45.1	19.4	9.0	.7	17.4	100.0	144
0600	.0	5.1	13.9	36.7	31.6	12.7	.0	20.4	100.0	79
1200	.9	1.4	15.5	37.1	25.4	17.8	1.9	21.7	100.0	213
1800	.0	3.9	16.9	40.3	26.0	11.7	1.3	20.3	100.0	77
TOT	2	13	91	204	127	70	6	20.1		513
PCT	.4	2.5	17.7	39.8	24.8	13.6	1.2	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	5.3		5.0
E	.0	.0	.0	.0		.0
SE	.0	.0	2.6	.0		5.0
S	.0	.0	28.9	5.3		5.6
SW	5.3	.0	5.3	.0		3.0
W	.0	.0	2.6	5.3		7.6
NW	10.5	.0	2.6	5.3		3.2
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	0	9	6	19	5.3
TOT PCT	21.1	.0	47.4	31.4	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	15.8	.0	.0	.0	.0	.0	.0	5.3
NE	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
S	.0	.0	.0	5.3	21.1	5.3	.0	.0	.0	.0	.0	2.6
SW	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	5.3
W	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	10.5
VAR	.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
TOT OBS	4	0	0	1	11	2	0	0	0	0	0	19
TOT PCT	21.1	.0	.0	5.3	57.9	10.5	.0	.0	.0	.0	26.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	5.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
>1000	26.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
>600	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>300	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>150	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>0	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
TOTAL	5	14	14	14	14	14	14	14

TOTAL NUMBER OF OBS: 19

PCT FREQ NH <5/8: 26.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	TOTAL OBS
	10.0	5.0	5.0	.0	5.0	25.0	10.0	10.0	30.0	20

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	.0	.0	.0	.0	.9	.9	.0	.0	1.9	
	NO PCP	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	3.7	
	TOT %	.0	.0	.0	.0	.0	3.7	.9	.9	.0	.0	5.6	
5<10	PCP	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	9.3	4.6	1.9	2.8	10.2	4.6	20.4	20.4	.0	.0	74.1	
	TOT %	9.3	6.5	1.9	2.8	10.2	4.6	20.4	20.4	.0	.0	75.9	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	7.4	.0	.0	.0	1.9	1.9	3.7	3.7	.0	.0	18.5	
	TOT %	7.4	.0	.0	.0	1.9	1.9	3.7	3.7	.0	.0	18.5	
TOT OBS													54
TOT PCT													16.7 6.5 1.9 2.8 12.0 10.2 25.0 25.0 .0 .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	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
	11-21	.0	.0	1.4	.0	.0	1.4	.7	2.1	.0	.0	5.5	
	22+	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	.0	2.7	
	TOT %	.0	.0	2.7	.0	.0	4.1	.7	2.1	.0	.0	9.6	
5<10	0-3	1.4	.0	.0	1.4	.0	.0	.0	.0	.0	.0	2.7	
	4-10	3.4	3.4	1.4	.0	1.4	1.4	5.5	2.7	.0	.0	19.2	
	11-21	2.1	.0	.0	.0	.0	2.1	6.2	8.9	.0	.0	19.2	
	22+	.0	1.4	.0	.7	6.2	1.4	3.4	3.4	.0	.0	16.4	
	TOT %	6.8	4.8	1.4	2.1	7.5	4.8	15.1	15.1	.0	.0	57.5	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.4	2.7	.0	.0	.0	4.1	
	11-21	1.4	.0	.0	.0	2.1	5.5	7.5	4.1	.0	.0	20.5	
	22+	4.1	.0	.0	.0	2.1	.7	1.4	.0	.0	.0	8.2	
	TOT %	5.5	.0	.0	.0	4.1	7.5	11.6	4.1	.0	.0	32.9	
TOT OBS													73
TOT PCT													12.3 4.8 4.1 2.1 11.6 16.4 27.4 21.2 .0 .0 100.0

AUGUST

PERIOD: (PRIMARY) 1902-1959
(OVER-ALL) 1857-1959

AREA 0018 FALKLAND ISLANDS
52.35 56.7W

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	149	299	599	999	1999	3499	4999	6499	7999		100.0	.0	1
06009	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	4
12015	.0	.0	.0	14.3	57.1	.0	.0	.0	.0	.0	71.4	28.6	7
18021	.0	.0	.0	.0	57.1	28.6	.0	.0	.0	.0	85.7	14.3	7
TOT	0	0	0	1	11	2	0	0	0	0	14	5	19
PCT	.0	.0	.0	5.3	57.9	10.5	.0	.0	.0	.0	73.7	26.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	9.1	59.1	31.8	22
06009	.0	.0	.0	23.1	53.8	23.1	13
12015	.0	.0	.0	4.3	60.9	34.8	23
18021	.0	.0	.0	6.3	56.3	37.5	16
TOT	0	0	0	7	43	24	74
PCT	.0	.0	.0	9.5	58.1	32.4	100.0

TABLE 12

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

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	100.0	.0	1
06009	.0	.0	.0	50.0	50.0	4
12015	.0	.0	14.3	57.1	28.6	7
18021	.0	.0	.0	85.7	14.3	7
TOT	0	0	1	13	5	19
PCT	.0	.0	5.3	68.4	26.3	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
43/49	.0	.0	.0	.0	5.6	.0	.0	.0	2	5.6
40/44	.0	.0	.0	2.8	2.8	5.6	25.0	19.4	20	55.6
39/39	.0	.0	.0	2.8	5.6	8.3	8.3	2.8	10	27.8
30/34	.0	.0	.0	.0	2.8	8.3	.0	.0	4	11.1
TOTAL	0	0	0	2	3	8	15	8	36	100.0
PCT	.0	.0	.0	5.6	8.3	22.2	41.7	22.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
43/49	.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0
40/44	2.8	2.8	.0	.0	5.6	2.8	18.1	13.9	.0	.0
39/39	2.8	.0	.0	1.4	4.2	6.9	11.1	1.4	.0	.0
30/34	6.9	1.4	.0	2.8	.0	.0	.0	.0	.0	.0
TOTAL	22.2	4.2	.0	4.2	9.7	9.7	29.2	20.8	.0	.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
00003	45	43	42	37	33	31	28	37.6	131
06009	45	44	41	37	32	30	30	37.2	72
12015	48	45	44	39	32	26	25	38.4	198
18021	44	43	42	39	34	27	27	38.7	70
TOT	48	45	43	38	33	29	25	38.0	471

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
00003	.0	.0	27.2	33.3	33.3	11.1	77	9
06009	.0	.0	.0	16.7	50.0	33.3	88	6
12015	.0	.0	.0	27.3	45.5	27.3	84	11
18021	.0	18.2	9.1	18.2	36.4	18.2	78	11
TOT	0	2	3	9	15	8	81	37

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	33 36	37 40	41 44	45 48	TOT	W FOG	NO FOG
3	.0	.0	.0	4.7	2	.0	4.7
2	.0	.0	7.0	.0	3	.0	7.0
1	.0	7.0	4.7	.0	5	2.3	9.3
0	.0	4.7	14.0	.0	6	7.0	11.6
-1	.0	4.7	7.0	.0	5	2.3	9.3
-2	.0	11.6	4.7	.0	7	2.3	14.0
-3	.0	2.3	4.7	.0	3	.0	7.0
-4	.0	7.0	.0	.0	3	2.3	4.7
-5	7.0	4.7	.0	.0	5	7.0	4.7
-6	2.3	.0	.0	.0	1	.0	2.3
-7/-8	2.3	.0	.0	.0	1	.0	2.3
TOTAL	5	18	18	2	43	10	33
PCT	11.6	41.9	41.9	4.7	100.0	23.3	76.7

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N							PCT	NE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	33.3	.0	.0	33.3	.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	.0	.0	.0
13-16	.0	.0	.0	33.3	33.3	.0	66.7	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	66.7	33.3	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E							PCT	SE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1969

AUGUST

AREA 0018 FALKLAND ISLANDS
92.35 56.74

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	33.3	.0	.0	33.3	33.3
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	33.3	33.3	.0	66.7	66.7
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	.0	.0	.0	66.7	33.3	.0	100.0	3

PERIOD: (OVER-ALL) 1950-1969

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	.0	.0	8.3	.0	.0	25.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
6-7	.0	.0	.0	.0	.0	.0	16.7	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8
8-9	.0	.0	.0	.0	.0	.0	.0	8.3	8.3	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	11
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	.0	.0	1	.0	.0	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	12
PCT	.0	.0	8.3	.0	.0	25.0	16.7	16.7	16.7	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974

AREA 0018 FALKLAND ISLANDS
92.33 57.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	4.5	.0	13.6	.0	.0	.0	.0	18.2	.0	.0	18.2	.0	.0	.0	63.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	57.1	.0	.0	.0	42.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	8.7	.0	.0	8.7	.0	.0	8.7	.0	.0	.0	82.6
W	.0	.0	3.0	.0	6.1	.0	6.1	13.2	.0	.0	.0	.0	.0	.0	84.8
NW	5.5	.0	13.7	.0	.0	.0	.0	19.2	.0	.0	11.0	.0	.0	.0	69.9
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	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	.0	8.1	.0	2.7	.0	1.4	14.9	.0	.0	9.5	1.4	.0	.0	74.3
TOT OBS:	74														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	9.5	.0	.0	.0	4.8	14.3	.0	.0	.0	.0	.0	.0	85.7
0600	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	20.0	.0	.0	.0	70.0
1200	2.9	.0	8.8	.0	5.9	.0	.0	17.6	.0	.0	11.8	2.9	.0	.0	67.6
1800	.0	.0	10.0	.0	10.0	.0	.0	20.0	.0	.0	10.0	.0	.0	.0	70.0
TOT PCT	2.7	.0	8.0	.0	4.0	.0	1.3	16.0	.0	.0	9.3	1.3	.0	.0	73.3
TOT OBS:	75														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.7	4.9	6.8	3.8	.8	.4	19.4	16.9	20.2	20.4	14.3	20.8	23.7	14.9	25.0	20.1	
NE	.4	2.1	1.5	.8	.8	.3	5.8	17.1	6.3	6.6	.0	4.9	5.2	5.1	25.0	6.7	
E	.1	.5	.4	.3	.1	.0	1.3	14.4	.6	2.0	14.3	.7	.6	1.8	.0	.7	
SE	.3	.8	1.0	.1	.5	.0	2.7	17.0	1.5	4.6	7.1	3.5	.6	3.3	4.2	1.5	
S	1.0	1.5	2.7	1.7	1.4	.3	8.7	19.5	9.6	3.9	32.1	8.3	11.7	9.4	12.5	5.2	
SW	.5	4.1	7.5	3.5	1.4	.4	19.4	19.0	17.8	17.1	32.1	20.8	17.5	21.4	16.7	19.4	
W	.0	3.3	7.4	5.9	1.1	.3	18.1	19.8	19.9	18.4	.0	12.5	13.0	23.2	16.7	18.7	
NW	.3	3.9	12.1	5.7	.6	.9	23.3	18.8	22.9	27.0	.0	27.1	25.0	20.3	.0	24.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3						1.3	.0	1.2	.0	.0	1.4	2.6	.7	.0	3.0	
TOT OBS	24	111	218	125	35	13	526	18.2	83	76	7	72	77	138	6	67	
TOT PCT	4.6	21.1	41.4	23.6	6.7	2.5	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				03	06	09	18
N	2.0	8.7	6.0	2.0	.8	19.4	16.9	20.3	20.3	18.0	20.5
NE	2.0	2.0	.3	1.1	.4	5.8	17.1	6.4	4.4	5.1	8.2
E	.3	.7	.2	.2	.0	1.3	14.4	1.3	1.9	1.4	.7
SE	.3	1.3	.6	.2	.3	2.7	17.0	3.0	3.8	2.3	1.7
S	1.8	2.0	2.6	1.8	.5	8.7	19.5	6.9	10.4	10.2	5.8
SW	2.3	6.1	7.0	3.0	1.0	19.4	19.0	17.3	21.8	20.0	19.2
W	1.0	5.8	7.1	3.7	.4	18.1	19.8	19.2	11.4	19.5	18.5
NW	.8	8.8	10.2	2.4	1.1	23.3	18.8	24.8	24.7	22.0	22.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3					1.3	.0	.6	1.3	1.4	2.7
TOT OBS	62	186	179	76	23	526	18.2	139	79	215	73
TOT PCT	11.8	35.4	34.0	14.4	4.4	100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974

AREA 0018 FALKLAND ISLANDS
52.35 57.24

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+				
00003	.6	3.8	20.1	42.8	22.6	8.2	1.9	18.3	100.0	139	
06009	1.3	5.1	21.5	43.0	22.8	3.8	2.5	17.1	100.0	79	
12015	1.4	2.3	21.4	40.5	25.1	6.0	3.3	18.8	100.0	215	
18021	2.7	2.7	21.9	39.7	23.3	8.2	1.4	17.8	100.0	73	
TOT	7	17	111	218	125	35	13	18.2		526	
PCT	1.3	3.2	21.1	41.4	23.8	6.7	2.5	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	2.1	8.3		7.8
E	.0	8.3	.0	.0		3.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	8.3	.0		7.0
W	.0	.0	8.3	8.3		6.5
NW	.0	.0	.0	10.4		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	.0	1	6	5	12	6.7
TOT PCT	.0	8.3	50.0	41.7	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
NE	.0	.0	.0	14.7	22.9	6.3	.0	.0	.0	.0	.0	
E	.0	.0	.0	8.3	2.1	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	8.3	8.3	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	2.1	8.3	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	.0	1	6	5	12	6.7						12
TOT PCT	.0	8.3	50.0	41.7	100.0							100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• DR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• DR >3500	.0	7.7	7.7	7.7	7.7	7.7	7.7	7.7
• DR >2000	7.7	23.1	23.1	23.1	23.1	23.1	23.1	23.1
• DR >1000	30.8	53.8	51.5	61.5	61.5	61.5	61.5	61.5
• DR >600	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
• DR >300	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
• DR >150	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
• DR >0	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
TOTAL	6	10	11	11	11	11	11	11

TOTAL NUMBER OF OBS: 13

PCT FREQ NH <5/8: 15.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

D	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
.0	5.6	5.6	5.6	.0	5.6	27.8	16.7	33.3	.0	18

TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.7	.0	.0	.0	.0	.0	1.4	.7	.0	.0	2.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.7	.0	.0	.0	.0	.0	1.4	.7	.0	.0	2.8	
1/2<1	PCP	.7	.0	.0	.0	.0	.0	.0	.7	.0	.0	1.4	
	NO PCP	5.6	.0	.0	.0	.0	.0	.0	1.4	.0	.0	7.0	
	TOT %	6.3	.0	.0	.0	.0	.0	.0	2.1	.0	.0	8.5	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
	TOT %	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	3.5	.0	.0	.0	.0	.0	.0	.7	.0	.0	4.2	
	TOT %	3.5	.0	.0	.0	.0	.0	.0	.7	.0	.0	4.2	
5<10	PCP	2.8	.0	.0	.0	.0	1.4	1.4	2.8	.0	.0	8.5	
	NO PCP	6.3	1.4	.0	.0	1.4	13.4	10.6	10.6	.0	.0	43.7	
	TOT %	9.2	1.4	.0	.0	1.4	14.8	12.0	13.4	.0	.0	52.1	
10+	PCP	1.4	.0	.0	.0	.0	.0	.7	.7	.0	.0	2.8	
	NO PCP	9.9	1.1	1.4	.0	.0	.0	7.7	8.1	.0	.0	28.2	
	TOT %	11.3	1.1	1.4	.0	.0	.0	8.5	8.8	.0	.0	31.0	
TOT OBS													71
TOT PCT		31.0	2.5	1.4	.0	1.4	16.2	21.8	25.7	.0	.0	100.0	

TABLE 9

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

VISBY (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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.6	.0	.0	.0	.0	.0	1.1	.6	.0	.0	2.2	
	TOT %	.6	.0	.0	.0	.0	.0	1.1	.6	.0	.0	2.2	
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	.0	
	11-21	3.9	.0	.0	.0	.0	.0	.0	1.7	.0	.0	5.6	
	22+	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	5.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	6.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	
	11-21	.0	.0	.0	.0	.8	.3	.0	.0	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.8	1.4	.0	.0	.0	.0	2.2	
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	.0	
	11-21	2.8	.0	.0	.6	3.9	.0	3.3	.6	.0	.0	11.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	2.8	.0	.0	.6	3.9	.0	3.3	.6	.0	.0	11.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	2.2	.0	.0	.0	.0	.0	2.2	.0	.0	.0	4.4	
	11-21	5.0	.0	.0	.0	1.9	14.2	2.8	9.4	.0	.0	33.3	
	22+	.0	1.1	.0	.3	.8	1.1	4.4	1.1	.0	.0	8.9	
	TOT %	7.2	1.1	.0	.3	2.8	15.3	9.4	10.6	.0	.0	46.7	
10+	0-3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	4-10	1.7	.6	.0	.0	.0	.0	1.1	4.4	.0	.0	7.8	
	11-21	2.2	.0	.0	.0	.0	1.1	5.6	4.4	.0	.0	13.3	
	22+	3.9	.3	1.1	.0	.6	.6	1.1	1.4	.0	.0	8.9	
	TOT %	8.9	.8	1.1	.0	.6	1.7	7.8	10.3	.0	.0	31.1	
TOT OBS													90
TOT PCT		24.4	1.9	1.1	.8	8.1	18.3	21.7	23.6	.0	.0	100.0	

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PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974

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52.35 57.2W

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	25.0	25.0	25.0	25.0	.0	.0	.0	100.0	.0	4
06009	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	33.3	66.7	3
12015	.0	.0	.0	25.0	50.0	25.0	.0	.0	.0	.0	100.0	.0	4
18021	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	66.7	33.3	3
TOT	0	0	0	3	5	2	1	0	0	0	11	3	14
PCT	.0	.0	.0	21.4	35.7	14.3	7.1	.0	.0	.0	78.6	21.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	17.9	46.4	35.7	28
06009	.0	6.7	13.3	6.7	40.0	33.3	15
12015	5.6	11.1	.0	8.3	44.4	30.6	26
18021	.0	8.3	.0	8.3	66.7	16.7	12
TOT	2	6	2	10	43	28	91
PCT	2.2	6.6	2.2	11.0	47.3	30.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) 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
00003	.0	.0	25.0	75.0	.0	4
06009	.0	.0	50.0	.0	50.0	2
12015	.0	.0	50.0	50.0	.0	4
18021	.0	.0	.0	66.7	33.3	3
TOT	0	0	4	7	2	13
PCT	.0	.0	30.8	53.8	15.4	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
45/49	.0	.0	.0	.0	1.4	1.4	4.1	.0	5	6.8
40/44	.0	.0	.0	.0	1.4	9.5	12.2	45.9	51	68.9
35/39	.0	.0	.0	.0	.0	2.7	2.7	10.8	12	16.2
30/34	.0	.0	.0	.0	.0	.0	2.7	4.1	5	6.8
25/29	.0	.0	.0	.0	.0	.0	.0	1.4	1	1.4
TOTAL	0	0	0	0	2	10	16	46	74	100.0
PCT	.0	.0	.0	.0	2.7	13.5	21.6	62.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	2.0	1.4	.0	.0	.0	1.4	.7	1.4	.0	.0
40/44	25.7	2.4	1.4	2.0	6.1	9.5	8.1	13.9	.0	.0
35/39	2.0	.0	.0	.7	6.4	1.7	2.0	3.4	.0	.0
30/34	.0	.0	.0	.0	.0	4.1	2.7	.0	.0	.0
25/29	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0
TOTAL	29.7	3.7	1.4	2.7	12.5	16.6	14.9	18.6	.0	.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
00003	47	46	45	40	34	30	30	39.7	157
06009	46	45	45	40	35	30	30	39.5	76
12015	50	46	45	40	34	27	23	40.1	211
18021	46	45	45	42	35	29	29	41.1	73
TOT	50	46	45	40	35	29	23	40.1	517

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
00003	.0	.0	4.8	15.0	9.5	66.7	90	21
06009	.0	.0	.0	6.7	13.3	80.0	91	15
12015	.0	.0	.0	13.8	34.5	51.7	88	29
18021	.0	.0	11.1	11.1	22.2	55.6	87	9
TOT	0	0	2	10	16	46	89	74

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PERIOD: (PRIMARY) 1902-1974
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52.9S 57.2W

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	29 32	33 36	37 40	41 44	43 48	49 52	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.0	1.4	1	.0	1.4
6	.0	.0	.0	1.4	.0	.0	1	.0	1.4
5	.0	.0	.0	.0	1.4	.0	1	.0	1.4
4	.0	.0	.0	2.8	1.4	.0	3	.0	4.2
3	.0	.0	.0	2.8	1.4	.0	3	.0	4.2
2	.0	.0	.0	4.2	2.8	.0	5	.0	7.0
1	.0	.0	1.4	19.5	.0	.0	12	4.2	12.7
0	.0	.0	2.8	18.3	1.4	.0	16	1.4	21.1
-1	.0	.0	4.2	11.3	.0	.0	11	.0	19.5
-2	.0	.0	4.2	.0	.0	.0	3	.0	4.2
-3	.0	.0	9.9	.0	.0	.0	7	2.8	7.0
-4	.0	.0	1.4	.0	.0	.0	1	.0	1.4
-5	.0	1.4	.0	.0	.0	.0	1	.0	1.4
-6	1.4	1.4	.0	.0	.0	.0	2	.0	2.8
-7/-8	1.4	.0	.0	.0	.0	.0	1	.0	1.4
-9/-10	4.2	.0	.0	.0	.0	.0	3	.0	4.2
TOTAL	5	2	17	40	6	1	71	6	65
PCT	7.0	2.8	23.9	56.3	8.5	1.4	100.0	8.5	91.5

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	20.0	20.0	.0	.0	20.0	.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	.0	.0	20.0	20.0	.0	.0	40.0	.0	.0	.0	20.0	.0	.0	20.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	20.0	.0	.0	20.0	.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	.0	.0	.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1974

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.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 QNS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	20.0	.0	.0	.0	20.0	
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	20.0	.0	.0	20.0	
10-11	.0	.0	20.0	20.0	.0	.0	40.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	20.0	.0	.0	20.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	40.0	60.0	.0	.0	100.0	5

PERIOD: (OVER-ALL) 1955-1974

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	.0	.0	.0	12.5	12.5	.0	12.5	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
6-7	.0	.0	.0	12.5	.0	12.5	.0	12.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
8-9	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
>11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	0	0	0	2	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	8
PCT	.0	.0	.0	25.0	12.5	12.5	12.5	12.5	25.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	7.9	5.9	.0	.0	.0	.0	13.9	.0	.0	19.8	.0	4.0	.0	62.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37.1	.0	.0	.0	42.9
E	26.7	.0	13.3	.0	.0	.0	.0	40.0	.0	.0	20.0	.0	.0	.0	40.0
SE	.0	10.0	.0	.0	.0	.0	.0	10.0	20.0	.0	10.0	.0	.0	.0	60.0
S	.0	14.6	19.5	.0	.0	.0	.0	34.1	.0	.0	14.6	.0	.0	.0	51.2
SW	6.9	.0	.0	.0	.0	.0	.0	6.9	.0	.0	6.9	.0	.0	.0	86.2
W	5.4	7.1	.0	.0	.0	.0	.0	12.5	.0	.0	14.3	.0	3.6	.0	69.6
NW	1.6	.0	4.9	.0	.0	.0	.0	6.6	.0	.0	14.8	.0	3.3	.0	75.4
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	.0	.0	.0	.0
TOT PCT	3.7	4.4	4.4	.0	.0	.0	.0	12.6	.7	.0	19.3	.0	2.2	.0	65.2
TOT OBS:	135														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	2.3	6.8	6.8	.0	.0	.0	.0	15.9	.0	.0	22.7	.0	.0	.0	61.4
06009	.0	.0	3.6	.0	.0	.0	.0	3.6	.0	.0	10.7	.0	3.6	.0	82.1
12015	6.7	6.7	2.2	.0	.0	.0	.0	13.6	.0	.0	20.0	.0	4.4	.0	60.0
18021	4.0	.0	4.0	.0	.0	.0	.0	8.0	4.0	.0	20.0	.0	.0	.0	68.0
TOT PCT	3.5	4.2	4.2	.0	.0	.0	.0	12.0	.7	.0	19.0	.0	2.1	.0	66.2
TOT OBS:	142														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.4	3.6	8.1	2.5	.3	.0	14.9	15.5	13.4	15.8	7.1	15.8	10.9	16.3	12.5	18.8
NE	.3	2.4	2.0	.3	.0	.0	4.9	11.0	6.1	2.1	17.9	3.3	6.3	3.3	25.0	2.2
E	.4	2.0	.2	.3	.0	.0	2.8	9.1	2.4	2.7	10.7	2.0	2.9	2.7	5.6	2.2
SE	.4	2.1	2.0	1.2	.0	.0	5.7	14.0	4.3	5.5	14.3	5.9	5.7	6.0	5.6	5.1
S	.2	2.0	2.6	1.8	.9	.0	7.5	18.6	7.3	4.8	7.1	5.9	9.5	8.3	15.3	5.8
SW	.8	5.3	6.9	3.7	.8	.0	17.4	16.0	14.3	20.5	7.1	15.1	19.3	20.0	12.5	15.9
W	.3	3.7	4.9	6.9	1.3	.0	19.0	19.0	22.3	17.8	14.3	19.7	20.1	18.7	9.7	18.1
NW	.7	5.1	11.6	8.2	1.5	.0	27.1	18.1	28.7	30.8	21.4	32.2	25.3	23.3	13.9	30.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	1.2	.0	.0	.0	.0	1.3	.0	1.4
TOT OBS	23	149	229	141	27	0	569	16.6	82	73	14	76	87	150	18	69
TOT PCT	4.0	26.2	40.2	24.8	4.7	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.8	6.1	5.9	.9	.2	14.9	15.5	14.5	14.4	14.3	17.5
NE	1.1	2.8	1.0	.0	.0	4.9	11.0	4.2	5.6	4.4	6.9
E	.9	1.6	.4	.0	.0	2.8	9.1	2.6	3.3	2.7	2.9
SE	.8	3.3	.8	.8	.0	5.7	14.0	4.8	7.2	5.9	5.2
S	1.1	2.4	2.2	1.3	.5	7.5	18.6	6.1	6.1	8.8	7.8
SW	2.5	7.1	5.6	1.9	.4	17.4	16.0	17.3	13.9	19.7	15.2
W	2.2	4.9	8.4	3.0	.4	19.0	19.0	20.2	18.9	19.2	16.4
NW	3.3	7.8	11.3	4.5	.1	27.1	18.1	29.7	30.6	24.1	27.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7					.7	.0	.6	.0	.8	1.1
TOT OBS	83	205	202	70	9	569	16.6	155	90	237	87
TOT PCT	14.6	36.0	35.5	12.3	1.6	100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1962-1975
(OVER-ALL) 1869-1975

AREA 0018 FALKLAND ISLANDS
52.15 57.24

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
00003	.6	4.5	28.4	40.0	20.0	6.5	.0	16.0	100.0	155
05009	.0	5.6	25.6	38.9	24.4	5.6	.0	18.6	100.0	90
12015	.8	2.5	25.7	38.4	28.3	4.2	.0	16.9	100.0	237
18021	1.1	1.1	24.1	47.1	24.1	2.3	.0	18.8	100.0	87
TOT	4	19	149	229	141	27	0	16.6		569
PCT	.7	3.3	26.2	40.2	24.8	4.7	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.2	.0	1.6		5.1
NE	4.3	.0	.0	10.9		6.1
E	2.2	.0	2.2	2.2		4.6
SE	.0	.0	2.2	4.3		7.0
S	.0	.0	6.0	6.0		7.0
SW	2.2	.0	3.3	8.2		6.5
W	5.4	4.3	5.4	3.3		4.6
NW	7.6	4.3	11.4	.5		4.3
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	5	14	17	46	5.5
TOT PCT	21.7	10.9	30.4	37.0	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
	149	299	599	999	1999	3999	4999	6499	7999			
N	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	2.2
NE	2.2	.0	2.2	.0	.0	6.5	.0	.0	.0	.0	.0	4.3
E	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	4.3
SE	.0	.0	.0	2.2	.0	4.3	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	8.2	2.2	.0	.0	.0	.0	1.6
SW	.0	.0	.0	.0	.0	4.3	6.0	.0	.0	.0	.0	2.7
W	.0	.0	.0	.0	.0	7.1	.0	.0	1.6	.0	.0	9.8
NW	.0	.0	.0	.0	.0	7.6	.0	.0	.0	.0	.0	16.3
VAR	.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
TOT OBS	1	0	1	1	3	19	1	0	1	0	0	46
TOT PCT	2.2	.0	2.2	2.2	6.5	41.3	2.2	.0	2.2	.0	41.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
>4000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
>3500	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
>2000	17.0	40.4	42.6	42.6	42.6	42.6	42.6	42.6
>1000	19.1	46.8	51.1	51.1	51.1	51.1	51.1	51.1
>600	19.1	48.9	53.2	53.2	53.2	53.2	53.2	53.2
>300	21.3	51.1	55.3	55.3	55.3	55.3	55.3	55.3
>150	21.3	51.1	55.3	55.3	55.3	55.3	55.3	55.3
>0	21.3	51.1	55.3	55.3	57.4	57.4	57.4	57.4
TOTAL	10	24	26	26	27	27	27	27

TOTAL NUMBER OF OBS: 47 PCT FREQ NH <5/8: 42.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
16.7	4.2	10.4	4.2	6.3	2.1	8.3	12.5	33.3	48

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.5	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.5	
1/2<1	PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	2.6	1.1	.0	.0	.0	.0	.0	.7	.0	.0	4.4	
	TOT %	2.6	1.1	.7	.0	.0	.0	.0	.7	.0	.0	5.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.5	.4	.4	.0	.0	.0	.7	.0	.0	.0	3.0	
	TOT %	1.5	.4	.4	.0	.0	.0	.7	.0	.0	.0	3.0	
2<5	PCP	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
	TOT %	1.1	1.1	.7	.0	.0	.0	.0	.0	.0	.0	3.0	
5<10	PCP	1.9	.0	.7	.4	2.6	.7	2.6	1.5	.0	.0	10.4	
	NO PCP	8.0	5.6	1.5	2.6	3.0	5.6	10.4	11.7	.0	.0	48.1	
	TOT %	9.8	5.6	2.2	3.0	5.6	6.3	13.0	13.1	.0	.0	58.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	3.7	2.2	1.5	.7	2.0	4.4	6.3	8.0	.0	.0	28.9	
	TOT %	3.7	2.2	1.5	.7	2.0	4.4	6.3	8.0	.0	.0	28.9	
TOT OBS												135	
TOT PCT		18.7	10.4	5.6	3.7	7.6	10.7	20.7	22.6	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.7	
	4-10	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	1.3	
	11-21	2.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	2.3	1.0	.7	.0	.0	.0	.0	.7	.0	.0	4.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	
	11-21	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	22+	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
	TOT %	1.3	.3	.3	.0	.0	.0	.7	.0	.0	.0	2.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	
	4-10	.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
	11-21	1.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
	22+	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.3	
	TOT %	2.0	4.0	.7	.0	.0	.0	.0	.0	.0	.7	7.3	
5<10	0-3	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.7	
	4-10	4.1	2.4	2.3	.7	1.7	2.8	1.2	2.5	.0	.0	17.9	
	11-21	3.3	2.6	.0	1.7	2.3	1.0	5.0	7.3	.0	.0	23.2	
	22+	1.3	.7	.0	.0	.7	1.8	5.5	2.0	.0	.0	11.9	
	TOT %	8.8	6.0	2.3	2.6	5.0	5.6	11.6	11.8	.0	.0	59.6	
10+	0-3	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	1.3	
	4-10	1.3	.7	.7	.0	.7	.5	2.8	2.0	.0	.0	8.6	
	11-21	2.0	1.3	.0	.7	.7	2.6	2.5	3.5	.0	.0	13.2	
	22+	.0	.0	.0	.0	1.5	3.1	1.0	1.7	.0	.0	7.3	
	TOT %	3.3	2.6	1.3	.7	2.8	6.3	6.3	7.1	.0	.0	30.5	
TOT OBS												151	
TOT PCT		17.7	13.9	5.3	3.3	7.8	11.9	19.2	20.2	.0	.7	100.0	

OCTOBER

PERIOD: (PRIMARY) 1902-1975
(OVER-ALL) 1869-1975

AREA 0018 FALKLAND ISLANDS
52.15 57.2W

TABLE 10

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

HR	000	100	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	.0	8.3	33.3	.0	.0	8.3	.0	50.0	50.0	12
06009	.0	.0	8.3	8.3	.0	41.7	.0	.0	.0	.0	58.3	41.7	12
12015	.0	.0	.0	.0	20.0	30.0	10.0	.0	.0	.0	60.0	40.0	10
18021	7.1	.0	.0	.0	7.1	50.0	.0	.0	.0	.0	64.3	35.7	14
TOT	1	0	1	1	4	19	1	0	1	0	28	20	48
PCT	2.1	.0	2.1	2.1	8.3	39.6	2.1	.0	2.1	.0	58.3	41.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	2.1	8.3	2.1	8.3	54.2	25.0	48
06009	.0	.0	6.5	3.2	54.8	35.5	31
12015	.0	4.1	2.0	8.2	59.2	26.5	49
18021	3.3	3.3	.0	16.7	40.0	36.7	30
TOT	2	7	4	14	84	47	158
PCT	1.3	4.4	2.5	8.9	53.2	29.7	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<50YD	<1	<5	AND5+	AND 5+	OBS
00003	.0	.0	.0	50.0	50.0	12
06009	.0	8.3	16.7	41.7	41.7	12
12015	.0	.0	11.1	44.4	44.4	9
18021	7.1	7.1	14.3	50.0	35.7	14
TOT	1	2	5	22	20	47
PCT	2.1	4.3	10.6	46.8	42.6	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	PCT
									OBS	FREQ
50/54	.0	.0	.0	.0	1.1	.0	2.1	.0	3	3.2
45/49	.0	.0	.0	.0	2.1	6.3	10.5	3.2	21	22.1
40/44	.0	.0	.0	.0	3.2	12.6	18.9	25.3	57	60.0
35/39	.0	.0	.0	.0	1.1	.0	7.4	6.3	14	14.7
TOTAL	0	0	0	0	7	18	37	33	95	100.0
PCT	.0	.0	.0	.0	7.4	18.9	38.9	34.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.1	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0
3.7	1.1	.0	1.1	1.1	1.1	4.2	10.0	.0	.0	.0
14.7	2.1	3.7	1.1	2.6	2.1	17.4	15.3	.0	1.1	.0
3.7	5.3	1.6	.0	2.1	1.1	1.1	.0	.0	.0	.0
TOT	23.2	8.4	6.3	2.1	5.8	5.3	22.6	25.3	.0	1.1

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	50	49	45	41	36	35	34	40.9	154
06009	49	47	45	41	36	34	34	40.4	88
12015	53	50	47	42	37	33	32	41.7	235
18021	51	50	48	43	37	34	34	42.5	84
TOT	53	49	46	41	36	34	32	41.4	561

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00003	.0	.0	10.0	26.7	26.7	36.7	84	30
06009	.0	.0	6.7	13.3	53.3	26.7	85	15
12015	.0	.0	8.6	17.1	37.1	37.1	85	35
18021	.0	.0	.0	13.3	53.3	33.3	87	15
TOT	0	0	7	18	37	33	85	95

TABLE 17

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

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	TOT	W FOG	WD FOG
7/8	.0	.0	.7	2.2	4	.0	2.9
6	.0	.0	.7	.0	1	.0	.7
5	.0	3.7	.7	.0	6	.0	4.4
4	.0	2.2	3.7	.0	8	.0	5.9
3	.0	5.9	2.9	.0	12	1.5	7.4
2	.0	7.4	7.4	.0	20	3.7	11.0
1	.7	11.0	.7	.0	17	1.5	11.0
0	1.5	8.1	1.5	.0	15	2.2	8.8
-1	.7	9.6	.0	.0	14	2.2	8.1
-2	7.4	5.1	.0	.0	17	2.9	9.6
-3	11.0	1.5	.0	.0	17	2.9	9.6
-4	1.5	.7	.0	.0	3	.7	1.5
-5	.7	.0	.0	.0	1	.0	.7
-6	.0	.7	.0	.0	1	.0	.7
TOTAL	32	76	25	3	136	24	112
PCT	23.5	55.9	18.4	2.2	100.0	17.6	82.4

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	6.5
3-4	.0	.0	3.2	.0	.0	.0	3.2	.0	3.2	3.2	.0	.0	.0	.0	6.5
5-6	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	3.2	.0	.0	.0	.0	3.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	3.2
8-9	.0	.0	3.2	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	6.5	.0	.0	.0	8.9	.0	3.2	16.1	.0	.0	.0	.0	19.4

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.2	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	6.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	3.2
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	.0	.0	.0	.0	3.2	.0	.0	9.7	.0	.0	.0	.0	9.7

PERIOD: (OVER-ALL) 1963-1975

OCTOBER
TABLE 18 (CONT)

AREA 0018 FALKLAND ISLANDS
52.15 57.2W

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	3.2	.0	.0	.0	9.7
5-6	.0	.0	3.2	2.4	.0	.0	5.6	.0	.8	.0	.8	.0	.0	.0	1.6
7	.0	.0	3.2	3.2	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	3.2	.0	.0	.0	.0	3.2
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	6.5	5.6	.0	.0	12.1	.0	1.6	9.7	4.0	.0	.0	.0	15.3

HGT	W						PCT	NW						PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.2	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.4	.0	.0	.0	2.4	.0	.0	.8	.0	.0	.0	.0	.8	.0
5-6	.0	5.6	.0	.0	.0	.0	5.6	.0	4.0	9.7	.0	.0	.0	.0	13.7	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	3.2	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	11.3	2.4	.0	.0	.0	13.7	.0	4.0	13.7	.0	.0	.0	.0	17.7	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	.0	3.2	.0	.0	.0	.0	3.2	
1-2	.0	6.5	6.5	.0	.0	.0	12.9	
3-4	.0	3.2	22.6	3.2	.0	.0	29.0	
5-6	.0	12.9	19.4	3.2	.0	.0	35.5	
7	.0	.0	9.7	3.2	.0	.0	12.9	
8-9	.0	.0	3.2	.0	.0	.0	3.2	
10-11	.0	.0	3.2	.0	.0	.0	3.2	
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	.0	25.8	64.5	9.7	.0	.0	100.0	31

PERIOD: (OVER-ALL) 1951-1975

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	.0	2.6	7.9	15.8	7.9	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
6-7	.0	.0	7.9	10.5	13.2	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	6
8-9	.0	.0	.0	7.9	.0	10.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
10-11	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	13
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	0	1	6	13	8	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	38	7
PCT	.0	2.6	15.8	34.2	21.1	18.4	2.6	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

NOVEMBER

AREA 0018 FALKLAND ISLANDS
52.0S 57.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	ND SIG WEA
N	1.5	2.9	.0	.0	.0	.0	.0	4.4	.0	.0	8.8	.0	.0	.0	86.9
NE	2.7	5.4	2.7	.0	.0	.0	.0	10.8	.0	.0	10.8	.0	.0	.0	78.4
E	11.8	.0	5.9	.0	.0	.0	.0	17.6	.0	.0	11.8	.0	.0	.0	70.6
SE	31.3	12.5	.0	.0	12.5	.0	.0	43.8	.0	.0	6.3	.0	.0	.0	50.0
S	2.7	9.4	.0	.0	5.4	.0	.0	14.8	2.0	.0	5.4	.0	.0	.0	77.9
SW	5.8	2.1	1.9	.0	4.9	.0	.0	13.0	1.0	.0	2.9	.0	.0	.0	83.1
W	7.8	2.4	2.1	.0	1.2	.0	.0	12.2	.9	1.2	19.7	.0	.0	.0	87.2
NW	4.5	5.6	.0	.0	.0	.0	.0	10.2	.3	.0	14.1	.0	.0	.0	75.4
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	.0	.0	.0	100.0
TOT PCT	5.7	4.0	1.2	.0	2.5	.0	.0	12.2	.7	.2	10.2	.0	.0	.0	76.8
TOT OBS:	401														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	ND SIG WEA
0000Z	4.9	4.1	.8	.0	2.4	.0	.8	11.4	1.6	.8	16.3	.0	.0	.0	70.7
0600Z	8.3	3.6	3.6	.0	3.6	.0	.0	16.7	.0	.0	10.7	.0	.0	.0	72.6
1201Z	7.0	2.3	.8	.0	1.6	.0	.0	11.6	.0	.0	4.7	.0	.0	.0	83.7
1802Z	2.5	6.2	.0	.0	2.5	.0	.0	9.9	1.2	.0	8.6	.0	.0	.0	80.2
TOT PCT	5.8	3.8	1.2	.0	2.4	.0	.2	12.2	.7	.2	10.1	.0	.0	.0	77.0
TOT OBS:	417														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.2	3.5	4.2	2.2	.3	.0	10.4	15.3	13.1	11.0	3.3	8.3	5.5	12.9	15.7	10.8
NE	.5	1.4	1.0	.3	.0	.0	3.2	10.6	4.0	2.2	.0	2.2	3.3	3.0	4.6	4.5
E	.2	1.3	.3	.2	.1	.0	2.2	12.6	1.5	1.5	3.0	1.4	1.6	2.8	11.1	2.1
SE	.3	1.5	.5	.8	.1	.0	3.2	13.7	3.4	4.0	.0	2.5	2.2	4.4	3.7	2.8
S	.4	2.8	3.5	2.0	.5	.1	9.3	16.4	10.2	10.3	9.1	10.1	9.4	7.7	7.4	9.1
SW	1.4	5.4	9.9	5.5	1.4	.5	24.2	17.6	24.5	19.9	35.6	20.5	30.0	23.2	18.5	24.8
W	.5	5.0	9.8	4.3	1.0	.3	20.8	17.2	19.1	21.3	25.0	23.4	21.7	20.2	23.1	18.4
NW	.9	8.0	11.3	3.0	1.1	.1	26.4	16.0	24.2	29.0	18.9	31.7	26.3	25.7	15.7	26.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4						.4		.0	.7	3.0	.0	.0	.0	.0	1.4
TOT OBS	50	292	411	206	46	10	1015	16.2	164	136	33	139	159	214	27	143
TOT PCT	4.9	28.8	40.5	20.3	4.5	1.0	100.0	16.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.5	4.4	3.6	.8	.1	10.4	15.3	12.2	7.7	9.7	11.6
NE	1.0	1.5	.5	.1	.0	3.2	10.6	3.2	1.7	3.2	4.6
E	.4	1.3	.2	.1	.1	2.2	12.6	1.5	1.7	2.3	3.5
SE	1.1	.9	.8	.3	.0	3.2	13.7	3.7	2.0	3.5	2.9
S	1.4	3.9	2.5	1.3	.2	9.3	16.4	10.3	9.9	8.4	8.8
SW	3.3	8.7	8.0	3.3	.9	24.2	17.6	22.4	23.4	26.1	23.8
W	2.1	7.9	8.3	2.0	.5	20.8	17.2	20.1	23.7	20.8	19.1
NW	2.8	11.0	9.6	2.6	.4	26.4	16.0	26.4	29.2	25.9	24.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4					.4		.3	.6	.0	1.2
TOT OBS	143	402	340	107	23	1015	16.2	300	172	373	170
TOT PCT	14.1	39.6	33.5	10.5	2.3	100.0	16.2	100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

AREA 0018 FALKLAND ISLANDS
52.05 57.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+				
00003	.3	5.7	33.0	36.3	20.0	3.7	1.0	15.7	100.0	300	
06009	.6	5.2	28.5	39.5	20.3	4.7	1.2	16.2	100.0	172	
12015	.0	3.5	26.5	44.5	19.3	5.4	.8	16.4	100.0	373	
18021	1.2	4.1	26.5	40.0	22.9	4.1	1.2	16.7	100.0	170	
TOT	.4	4.6	29.2	41.1	20.6	4.6	1.0	16.2		1015	
PCT	.4	4.5	28.8	40.5	20.3	4.5	1.0	100.0			

TABLE 5

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

WIND DIR	PCT FREQ				TOTAL CLOUD OBS	MEAN CLOUD COVER
	0-2	3-4	5-7	8-8		
N	3.3	.0	2.9	1.1	4.5	4.5
NE	.0	.0	.4	3.1	7.8	7.8
E	.0	.0	1.8	2.7	7.4	7.4
SE	.0	.0	.0	1.8	8.0	8.0
S	2.2	.0	6.9	1.5	5.1	5.1
SW	4.6	4.4	13.7	10.2	5.7	5.7
W	5.1	2.7	6.2	7.3	5.3	5.3
NH	2.4	2.7	7.1	5.1	5.6	5.6
VAR	.0	.0	.0	.0	.0	.0
CALM	.9	.0	.0	.0	.0	.0
TOT OBS	21	11	44	37	113	5.6
TOT PCT	18.6	9.7	38.9	32.7	100.0	

TABLE 6

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

WIND DIR	PCT FREQ										NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	.0	.0	.0	.7	2.0	1.3	.0	.0	.0	.0	.0	3.3	149
NE	.0	.0	.0	.0	2.2	.4	.9	.0	.0	.0	.0	.0	299
E	.9	.0	.0	.0	1.8	.9	.9	.0	.0	.0	.0	.0	599
SE	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	999
S	.0	.0	.0	.0	3.3	1.5	.9	.0	.0	.0	.0	.0	1999
SW	.9	.0	.0	1.8	2.9	12.8	.9	.0	.0	.0	.0	.0	3499
W	.0	.0	.0	.7	4.4	4.9	.0	.0	.9	.0	.0	.0	4999
NH	.0	.0	.0	.4	2.0	3.8	.9	.9	.9	.0	.0	.0	6499
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7999
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	2	0	0	4	21	31	5	1	1	0	0	48	113
TOT PCT	1.8	.0	.0	3.5	18.6	27.4	4.4	.9	.9	.0	.0	42.5	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>8500	.9	.9	.9	.9	.9	.9	.9	.9
>5000	.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7
>3500	3.4	5.1	5.1	5.1	6.0	6.0	6.0	6.0
>2000	27.4	32.5	32.5	32.5	33.3	33.3	33.3	33.3
>1000	38.3	48.7	51.3	51.3	52.1	52.1	52.1	52.1
>600	40.2	50.4	53.8	54.7	55.6	55.6	55.6	55.6
>300	40.2	50.4	53.8	54.7	55.6	55.6	55.6	55.6
>150	40.2	50.4	53.8	54.7	55.6	55.6	55.6	55.6
>0	40.2	51.3	54.7	55.6	56.4	57.3	57.3	57.3
TOTAL	47	60	64	65	66	67	67	67

TOTAL NUMBER OF OBS: 117

PCT FREQ NH <5/8: 42.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL OBS
10.6	8.1	9.8	4.1	10.6	8.9	11.4	9.8	25.2	1.6	123

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	.0
	NO PCP	.0	.0	.3	.0	.0	.0	.6	.4	.0	.0	.0	1.3
	TOT %	.0	.0	.3	.0	.0	.0	.6	.4	.0	.0	.0	1.3
1/2<1	PCP	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.5	.5
	NO PCP	.3	.3	.0	.0	.0	.0	.5	1.0	.0	.0	.0	2.0
	TOT %	.3	.3	.0	.0	.0	.4	.6	1.0	.0	.0	.5	2.5
1<2	PCP	.0	.4	.3	.1	.1	.9	.3	.8	.0	.0	2.4	2.4
	NO PCP	.6	.0	.0	.0	.0	1.0	.6	1.3	.0	.0	.0	3.5
	TOT %	.6	.4	.3	.1	.1	1.9	.8	2.1	.0	.0	.0	6.3
2<5	PCP	.3	.0	.1	.4	.3	.9	.8	.5	.0	.0	3.3	3.3
	NO PCP	1.6	.5	.4	.1	.6	3.0	.8	1.3	.0	.0	.0	8.3
	TOT %	1.8	.5	.5	.5	.9	3.9	1.6	1.8	.0	.0	.0	11.5
5<10	PCP	.1	.1	.0	.1	.4	1.3	.8	1.0	.0	.0	3.4	3.4
	NO PCP	2.8	1.1	.5	.4	3.0	9.0	8.1	6.9	.0	.0	.0	31.4
	TOT %	2.9	1.3	.5	.5	3.4	10.3	8.9	7.9	.0	.0	.0	35.5
10+	PCP	.0	.0	.0	.3	.6	.5	.4	.0	.0	.0	1.8	1.8
	NO PCP	3.0	2.3	.6	.6	4.3	13.4	7.8	9.0	.0	.0	.3	41.4
	TOT %	3.0	2.3	.6	.9	4.9	13.9	8.2	9.0	.0	.0	.3	43.0
TOT OBS													400
TOT PCT		8.6	4.6	2.1	2.0	9.3	20.3	20.7	22.1	.0	.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	.2	.0	.0	.0	.2	.2
	4-10	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
	11-21	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	.5	.5
	22+	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	.2
	TOT %	.0	.0	.2	.0	.0	.0	.6	.4	.0	.0	.0	1.2
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.2	.2	.0	.0	.0	.2	.5	1.0	.0	.0	.0	2.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.2
	TOT %	.2	.2	.0	.0	.0	.4	.6	1.0	.0	.0	.0	2.5
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.2
	4-10	.2	.2	.1	.1	.0	.6	.2	1.1	.0	.0	.0	2.7
	11-21	.1	.1	.1	.0	.1	1.2	.3	.7	.0	.0	.0	2.7
	22+	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.5	.5
	TOT %	.6	.4	.2	.1	.1	1.8	.8	2.0	.0	.0	.0	6.2
2<5	0-3	.0	.0	.4	.1	.0	.5	.0	.2	.0	.0	1.2	1.2
	4-10	.5	.5	.1	.2	.1	.6	.2	.9	.0	.0	.0	3.2
	11-21	.9	.0	.6	.1	.6	2.1	.9	.6	.0	.0	.0	5.2
	22+	.4	.0	.0	.0	.1	.7	.6	.1	.0	.0	.0	2.0
	TOT %	1.8	.5	.5	.5	.9	3.9	1.7	1.8	.0	.0	.0	11.6
5<10	0-3	.0	.5	.0	.0	.7	.5	.2	.0	.0	.0	2.0	2.0
	4-10	1.7	.2	.2	.4	1.2	3.2	2.7	3.3	.0	.0	.0	13.1
	11-21	.9	.5	.0	.1	.6	3.6	3.3	2.8	.0	.0	.0	11.8
	22+	.2	.0	.2	.0	.7	2.8	2.5	1.8	.0	.0	.0	8.4
	TOT %	2.8	1.2	.5	.5	3.3	10.1	8.7	8.0	.0	.0	.0	35.2
10+	0-3	.2	.9	.1	.0	.0	1.1	.1	1.0	.0	.2	3.7	3.7
	4-10	1.0	.8	.5	.4	2.0	3.8	2.3	3.5	.0	.0	.0	14.3
	11-21	.9	.6	.0	.0	1.7	5.2	4.2	3.6	.0	.0	.0	16.3
	22+	.9	.0	.0	.5	1.2	3.5	1.7	1.4	.0	.0	.0	9.1
	TOT %	3.1	2.2	.6	.9	4.9	13.7	8.3	9.5	.0	.2	.0	43.3
TOT OBS													406
TOT PCT		8.6	4.6	2.1	2.0	9.2	29.9	20.8	22.7	.0	.2	100.0	

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PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

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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	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	3.8	23.1	11.5	3.8	.0	.0	.0	42.3	57.7	26
06009	3.4	.0	.0	.0	17.2	27.6	3.4	.0	.0	.0	51.7	48.3	29
12015	.0	.0	.0	2.8	16.7	30.6	2.8	2.8	2.8	.0	58.3	41.7	36
18021	3.4	.0	.0	6.9	17.2	34.5	6.9	.0	.0	.0	69.0	31.0	29
TOT	2	0	0	4	22	32	5	1	1	0	67	53	120
PCT	1.7	.0	.0	3.3	18.3	26.7	4.2	.8	.8	.0	55.8	44.2	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
00003	2.4	4.8	4.8	19.8	37.3	31.0	126
06009	.0	4.7	8.2	12.9	32.9	41.2	85
12015	.0	.8	6.9	4.6	36.9	50.8	130
18021	2.5	.0	6.7	7.4	29.6	54.3	81
TOT	5	11	27	48	147	184	422
PCT	1.2	2.6	6.4	11.4	34.8	43.6	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 <500D	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	3.8	15.4	30.8	53.8	26
06009	3.6	3.6	10.7	42.9	46.4	28
12015	.0	.0	2.8	55.6	41.7	36
18021	3.7	3.7	11.1	63.0	25.9	27
TOT	2	3	11	57	49	117
PCT	1.7	2.6	9.4	48.7	41.9	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
55/59	.0	.0	.0	.0	.3	.0	.3	.0	2	.7
50/54	.0	.0	.3	.3	.7	1.0	3.1	.3	17	5.9
45/49	.0	.0	.0	.7	2.1	7.7	13.6	16.4	116	40.6
40/44	.0	.0	.0	.3	4.2	3.8	12.6	17.5	110	38.5
35/39	.0	.0	.0	1.0	1.4	4.2	3.5	3.5	39	13.6
30/34	.0	.0	.0	.0	.3	.0	.0	.3	2	.7
TOTAL	0	0	1	7	26	48	95	109	286	100.0
PCT	.0	.0	.3	2.4	9.1	16.8	33.2	38.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.3	.0	.0	.0	.0	.1	.3	.1	.0	.0
50/54	.7	.3	.0	.0	.3	1.7	1.0	1.7	.0	.0
45/49	6.6	3.0	.9	.2	2.1	8.7	8.0	10.9	.0	.3
40/44	1.0	1.7	.7	.3	3.4	12.0	10.0	8.4	.0	.0
35/39	.0	.0	.2	.9	2.6	8.9	.7	.3	.0	.0
30/34	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0
TOTAL	8.5	5.0	1.7	1.4	8.5	32.8	19.9	21.9	.0	.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
00003	53	50	48	43	37	34	31	42.6	296
06009	50	49	46	42	37	32	31	41.9	168
12015	58	54	50	44	38	35	32	43.9	365
18021	55	53	50	45	38	36	35	44.5	167
TOT	58	53	49	43	37	34	31	43.3	996

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
00003	.0	1.1	6.7	16.7	35.6	40.0	85	90		
06009	.0	1.7	6.8	8.5	39.0	44.1	87	59		
12015	.0	5.6	7.8	25.6	25.6	35.6	83	90		
18021	.0	1.7	16.3	13.3	33.3	33.3	83	60		
TOT	0	8	28	51	98	114	84	299		

PERIOD: (PRIMARY) 1905-1975
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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	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.4	.0	.0	.0	.4	2	.0	.8
7/8	.0	.0	.0	.0	.0	.4	.4	.0	2	.0	.8
6	.0	.0	.0	.0	1.2	.4	.4	.0	5	.0	2.0
5	.0	.0	.0	.0	1.2	.8	.4	.0	6	.0	2.4
4	.0	.0	.0	.8	1.6	1.2	.4	.0	10	.4	3.7
3	.0	.4	.4	1.2	1.6	.8	.0	.0	11	.0	4.5
2	.0	.0	.0	3.7	8.1	.8	.0	.0	31	2.8	9.8
1	.0	.0	.0	6.9	8.5	.4	.0	.0	39	1.6	14.2
0	.0	.0	.0	13.4	4.5	.4	.0	.0	45	4.5	13.8
-1	.0	.4	.8	6.9	2.8	.0	.0	.0	27	1.2	9.8
-2	.0	.0	2.4	6.5	.8	.0	.0	.0	24	1.6	8.1
-3	.0	.4	2.8	4.9	.8	.0	.0	.0	22	.0	8.9
-4	.0	.0	2.8	2.4	.0	.0	.0	.0	13	.0	5.3
-5	.0	.0	1.6	.0	.4	.0	.0	.0	5	.0	2.0
-7/-8	.0	.8	.0	.4	.0	.0	.0	.0	3	.0	1.2
-11/-13	.4	.0	.0	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	1	5	27	117	78	13	4	1	246	30	216
PCT	.4	2.0	11.0	47.6	31.7	5.3	1.6	.4	100.0	12.2	87.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.9	.0	.0	.0	.0	.9	.0	.3	.0	.0	.0	.0	.0	.3
1-2	.0	1.2	.9	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.9	.0	.0	.0	.9	.0	.0	.3	.0	.0	.0	.0	.3
5-6	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	1.2	.0	.0	.0	.0	1.2
10-11	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	2.0	1.7	4.9	.0	.0	8.7	.0	.3	1.5	.0	.0	.0	.0	1.7

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.2	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	1.2	.0	.0	.0	3.5	.0	1.2	.0	1.2	.0	.0	.0	2.3

PERIOD: (OVER-ALL) 1963-1974

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	1.2
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.3
3-4	.0	.0	1.2	.9	.0	.0	2.0	.0	.0	7.6	1.5	.0	.0	.0	9.0
5-6	.0	.0	4.4	.0	.0	.0	4.4	.0	.3	2.9	4.9	.0	.0	.0	8.1
7	.0	.0	.0	1.7	.0	.0	1.7	.0	2.3	2.3	2.9	.0	.0	.0	7.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	3.5	2.3	.0	.0	7.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	1.5
12	.0	.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	1.2	2.3	.0	.0	.0	3.5
17-19	.0	.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	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	1.2
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	5.5	2.6	.0	.0	9.3	.0	5.2	19.4	16.3	2.3	.0	.0	39.2

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.0	.0	.0	.0	2.0	.0	1.2	.6	.0	.0	.0	.0	1.7
3-4	.0	.9	5.8	.0	.0	.0	6.7	.0	1.5	1.7	.0	.0	.0	.0	3.2
5-6	.0	.9	3.2	.9	.0	.0	4.9	.0	1.2	2.3	.6	.0	.0	.0	4.1
7	.0	.0	1.2	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	1.2
8-9	.0	.0	.0	3.5	.0	.0	3.5	.0	.0	.0	.0	2.3	.0	.0	2.3
10-11	.0	.0	.9	.0	.0	.0	.9	.0	.0	1.2	.0	.0	.0	.0	1.2
12	.0	.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	.9	.0	.0	.0	.9
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	2.6	19.1	4.4	.0	.0	20.1	.0	4.9	5.8	.9	2.3	.0	14.0	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.1	2.3	.0	.0	.0	.0	3.4	
1-2	1.1	8.9	3.4	.0	.0	.0	11.5	
3-4	.0	3.4	18.4	2.3	.0	.0	24.1	
5-6	.0	2.3	12.6	9.2	.0	.0	24.1	
7	.0	3.4	3.4	4.6	.0	.0	11.5	
8-9	.0	1.1	1.1	8.0	4.6	.0	14.9	
10-11	.0	.0	3.4	1.1	.0	.0	4.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	1.1	3.4	.0	.0	4.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	1.1	.0	.0	1.1	
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	2.3	19.5	43.7	29.9	4.6	.0	100.0	87

PERIOD: (OVER-ALL) 1949-1975

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	.0	.0	11.2	11.2	2.0	3.1	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	6
6-7	.0	.0	3.1	11.2	15.3	3.1	6.1	1.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	7
8-9	.0	.0	.0	2.0	3.1	4.1	1.0	2.0	5.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	10
10-11	.0	.0	.0	.0	.0	1.0	3.1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	13
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
TOTAL	0	0	14	24	22	11	13	3	8	1	1	1	0	0	0	0	0	0	0	0	98	8
PCT	.0	.0	14.3	24.3	22.4	11.2	13.3	3.1	8.2	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

AREA 0018 FALKLAND ISLANDS
52.15 57.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	HUG WD PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY BLWG SNOW	NO SIG WEA
N	10.8	3.9	11.8	.0	.0	.0	.0	26.5	.0	.0	3.9	.0	.0	.0	.0	89.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	16.0	4.0	.0	.0	.0	.0	.0	80.0
E	.0	.0	16.7	.0	.0	.0	.0	16.7	.0	12.3	.0	.0	.0	.0	.0	70.8
SE	14.8	.0	.0	.0	.0	.0	.0	14.8	.0	.0	.0	.0	.0	.0	.0	85.2
S	9.1	.0	.0	.0	.0	.0	.0	9.1	7.3	.0	.0	.0	.0	.0	.0	83.6
SW	4.9	1.5	.0	.0	.0	.0	1.5	7.8	3.0	.0	3.7	.0	.0	.0	.0	85.4
W	4.0	2.2	.0	.0	.0	.0	.0	6.2	.0	.0	7.3	.0	.0	.0	.0	86.5
NW	6.7	4.4	5.3	.0	.0	.0	.0	16.4	.0	.0	8.0	.0	.0	.0	.0	75.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	20.0	.0	20.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	80.0
TOT PCT	6.3	2.2	3.0	.0	.0	.0	.4	11.5	1.9	.4	4.8	.0	.0	.0	.0	81.4
TOT OBS:	249															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	HUG WD PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY BLWG SNOW	NO SIG WEA
0000	5.3	2.1	3.2	.0	.0	.0	.0	9.5	1.1	.0	8.4	.0	.0	.0	.0	81.1
0600	4.4	4.4	2.9	.0	.0	.0	.0	11.8	4.4	.0	4.4	.0	.0	.0	.0	79.4
1200	7.7	.0	3.8	.0	.0	.0	.0	11.5	.0	.0	2.6	.0	.0	.0	.0	85.9
1800	6.9	1.7	1.7	.0	.0	.0	1.7	12.1	3.4	1.7	6.9	.0	.0	.0	.0	75.9
TOT PCT	6.0	2.0	3.0	.0	.0	.0	.3	11.0	2.0	.3	5.7	.0	.0	.0	.0	80.9
TOT OBS:	299															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.7	4.5	4.8	.8	.2	.0	11.0	12.4	7.5	7.4	13.2	9.4	10.9	17.1	13.6	9.9	
NE	.4	1.6	1.7	.4	.2	.1	4.4	13.8	4.7	3.9	5.6	3.4	5.2	4.8	2.1	3.9	
E	.7	2.5	1.1	.2	.1	.0	4.5	9.6	5.6	4.3	4.9	5.3	3.0	3.6	2.1	6.5	
SE	.4	2.2	1.8	1.2	.1	.0	5.6	13.6	6.5	7.8	3.5	7.1	4.4	5.3	.7	4.7	
S	.7	3.0	3.5	1.3	1.0	.1	9.6	16.3	11.7	9.7	6.3	8.6	8.9	8.9	12.1	9.9	
SW	1.6	5.8	8.9	3.6	1.6	.1	21.5	16.2	23.0	21.3	31.3	17.3	20.9	20.6	22.9	20.7	
W	.9	4.7	8.3	3.7	1.0	.0	18.7	16.2	18.3	19.4	14.6	20.5	18.6	15.3	32.9	19.4	
NW	1.0	7.4	10.3	2.7	.4	.0	21.7	13.7	18.8	20.9	18.1	23.1	25.0	22.1	13.6	23.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.0						3.0	.0	1.6	5.4	2.8	5.3	3.0	2.4	.0	1.7	
TOT OBS	92	315	400	137	45	3	992	14.2	169	129	36	133	165	209	35	116	
TOT PCT	9.3	31.8	40.3	13.8	4.5	.3	100.0	14.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.3	5.9	2.3	.5	.0	11.0	12.4	7.5	10.2	14.4	10.8
NE	1.3	1.7	.9	.2	.3	4.4	13.8	4.4	3.8	4.9	3.5
E	2.0	1.7	.7	.1	.1	4.5	9.6	5.0	5.2	3.3	5.5
SE	1.3	2.3	1.6	.4	.0	5.6	13.6	7.0	6.4	4.9	3.8
S	2.0	3.3	2.7	1.1	.5	9.6	16.3	10.8	8.1	8.9	10.4
SW	3.5	8.1	7.0	2.1	.8	21.5	16.2	23.4	20.3	20.7	21.2
W	2.5	8.2	5.1	2.6	.3	18.7	16.2	18.8	19.2	16.8	22.5
NW	3.8	10.7	5.9	1.1	.2	21.7	13.7	19.7	22.0	23.4	21.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0					3.0	.0	3.4	4.7	2.7	1.3
TOT OBS	216	416	261	79	20	992	14.2	298	169	374	151
TOT PCT	21.8	41.9	26.3	8.0	2.0	100.0	14.2	100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

AREA 0018 FALKLAND ISLANDS
52.15 57.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	3.4	9.7	32.6	36.6	13.4	3.7	.7	13.3	100.0	298
06009	4.7	4.7	36.1	39.6	10.7	3.6	.6	13.4	100.0	169
12015	2.7	5.3	29.7	39.8	17.4	5.1	.0	15.0	100.0	374
18021	1.3	3.3	30.5	49.7	9.3	6.0	.0	15.0	100.0	151
TOT	3.0	6.2	31.5	40.0	13.7	4.5	.3	14.2		992
PCT	3.0	6.3	31.8	40.3	13.8	4.5	.3	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	1.4	.7	.2	1.4	4.4	4.4
E	.5	.0	1.2	1.7	6.2	6.2
SE	.2	.0	1.0	1.7	7.1	7.1
S	2.6	1.4	2.8	3.3	5.3	5.3
SW	2.3	3.5	10.6	9.0	6.2	6.2
W	4.7	2.6	12.0	8.0	5.6	5.6
NW	2.3	2.3	5.0	5.9	5.9	5.9
VAR	.0	.0	.0	.0	.0	.0
CALM	1.4	.7	.0	.7	3.7	3.7
TOT OBS	25	17	50	52	144	5.7
TOT PCT	17.4	11.8	34.7	36.1	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.9	1.7	1.2	.0	.0	.5	.0	4.7	
.0	.0	.0	1.2	.3	.0	.0	.0	.0	.0	2.1	
.0	.0	.0	1.2	.0	.5	1.2	.0	.0	.0	.5	
.0	.0	.0	.0	2.4	.2	.2	.0	.0	.0	.2	
.0	.0	.0	1.2	2.3	1.4	.0	.0	.0	.0	5.2	
.0	.0	3.5	1.0	6.8	1.7	2.1	.0	.0	.0	10.2	
.0	.0	.0	1.9	9.7	3.8	.0	.0	.0	.0	11.1	
.0	.0	.7	.2	3.8	1.6	.7	.0	.2	.0	8.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
.0	1	6	11	39	15	6	0	1	1	64	144
.0	.7	4.2	7.6	27.1	10.4	4.2	.0	.7	.7	44.4	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
>5000	.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
>3500	7.2	7.8	7.8	7.8	7.8	7.8	7.8	7.8
>2000	14.4	16.8	16.8	16.8	16.8	16.8	16.8	16.8
>1000	24.6	40.7	42.5	42.5	42.5	43.1	43.1	43.1
>600	28.7	47.9	52.7	52.7	52.7	53.3	53.3	53.3
>300	29.3	49.1	55.1	55.7	55.7	56.9	56.9	56.9
>150	29.3	49.1	55.1	56.9	56.9	58.1	58.1	58.1
>0	29.3	49.7	55.7	57.5	57.5	58.7	58.7	59.3
TOTAL	49	83	93	96	96	98	98	99

TOTAL NUMBER OF OBS: 167

PCT FREQ NH <5/8: 40.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.2	10.3	12.4	7.0	6.5	9.2	14.1	8.1	27.6	1.6	105

TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.7	
	TOT %	.0	.0	.0	.4	.0	.4	.0	.4	.0	.0	1.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.2	.7	.2	.0	.0	1.1	
	NO PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.0	.0	.6	.7	.2	.0	.0	1.5	
1<2	PCP	.0	.0	.4	.0	.0	.4	.0	.7	.0	.4	1.9	
	NO PCP	.0	.0	.0	.0	.0	.4	.7	.0	.0	.0	1.1	
	TOT %	.0	.0	.4	.0	.0	.7	.7	.7	.0	.4	3.0	
2<5	PCP	.7	.0	.0	.0	.0	.4	.2	.2	.0	.0	1.5	
	NO PCP	.0	.0	.0	.2	1.6	1.6	1.7	1.3	.0	.0	6.3	
	TOT %	.7	.0	.0	.2	1.6	2.0	1.9	1.5	.0	.0	7.8	
5<10	PCP	1.4	.0	.0	.0	.7	.7	.4	2.0	.0	.0	5.2	
	NO PCP	2.7	.1	.3	.1	3.0	5.7	9.2	5.4	.0	.4	26.8	
	TOT %	4.1	.1	.3	.1	3.7	6.4	9.6	7.3	.0	.4	32.0	
10+	PCP	.4	.0	.0	.0	.2	.3	.3	.4	.0	.0	1.4	
	NO PCP	4.3	2.2	1.6	1.9	4.7	14.6	12.4	10.4	.0	1.1	53.2	
	TOT %	4.6	2.2	1.6	1.9	4.9	14.9	12.6	10.8	.0	1.1	54.6	
TOT OBS													269
TOT PCT													9.5 2.3 2.2 2.5 10.2 24.9 25.6 20.9 .0 1.9 100.0

TABLE 9

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

VISBY (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	.4	.0	.4	.0	.0	.7	
	11-21	.2	.2	.0	.4	.0	.0	.0	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.4	
	TOT %	.2	.2	.0	.4	.2	.6	.0	.4	.0	.0	1.8	
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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.1	
	TOT %	.0	.0	.0	.0	.0	.6	.7	.2	.0	.0	1.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.7	.0	.0	.4	1.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	11-21	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.7	.0	.4	.0	.0	1.1	
	TOT %	.0	.0	.4	.0	.0	.7	.7	.7	.0	.4	3.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	.0	.0	.2	.9	.4	.7	.7	.0	.0	3.7	
	11-21	.0	.0	.0	.0	.6	.8	.7	.7	.0	.0	3.0	
	22+	.0	.0	.0	.0	.0	.7	.4	.0	.0	.0	1.1	
	TOT %	.7	.0	.0	.2	1.6	1.9	1.8	1.5	.0	.0	7.7	
5<10	0-3	.0	.0	.0	.0	.2	.4	.2	.7	.0	.4	1.8	
	4-10	1.7	.1	.3	.0	2.1	.8	2.4	1.5	.0	.0	8.9	
	11-21	2.4	.0	.0	.1	1.4	3.1	5.1	3.4	.0	.0	15.5	
	22+	.0	.0	.0	.0	.0	2.0	1.8	1.7	.0	.0	5.5	
	TOT %	4.1	.1	.3	.1	3.7	6.4	9.5	7.3	.0	.4	31.7	
10+	0-3	.4	.4	.0	.0	.9	2.2	.6	.7	.0	1.1	6.3	
	4-10	1.3	.9	.6	.6	2.4	6.5	4.6	5.2	.0	.0	22.1	
	11-21	2.6	.9	.9	1.2	1.2	5.2	3.4	4.4	.0	.0	21.8	
	22+	.4	.0	.0	.0	.4	.9	2.0	.4	.0	.0	4.1	
	TOT %	4.6	2.2	1.6	1.8	4.9	14.8	12.5	10.7	.0	1.1	54.2	
TOT OBS													271
TOT PCT													9.6 2.5 2.2 2.5 10.3 24.9 25.4 20.8 .0 1.8 100.0

DECEMBER

PERIOD: (PRIMARY) 1965-1975
(OVER-ALL) 1869-1975

APEA 0018 FALKLAND ISLANDS
52.15 57.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >478) AND OCCURRENCE OF NH <578 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <578 ANY HGT	TOTAL OBS
00003	.0	2.0	9.8	2.0	13.7	9.8	5.9	.0	.0	2.0	45.1	54.9	51
06009	2.4	.0	2.4	14.6	36.6	9.8	4.9	.0	.0	.0	70.7	29.3	41
12015	2.3	.0	.0	11.6	30.2	9.3	7.0	.0	2.3	.0	62.8	37.2	43
18021	2.5	2.5	.0	12.5	27.5	5.0	7.5	.0	.0	.0	57.5	42.5	40
TOT	3	2	6	17	46	15	11	0	1	1	102	73	175
PCT	1.7	1.1	3.4	9.7	26.3	8.6	6.3	.0	.6	.6	58.3	41.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.1	1.1	6.3	7.4	31.6	51.6	95
06009	4.3	.0	2.9	10.1	34.8	47.8	69
12015	1.3	2.6	.0	5.1	34.6	56.4	78
18021	.0	1.8	1.8	12.3	28.1	56.1	57
TOT	6	4	9	25	97	158	299
PCT	2.0	1.3	3.0	8.4	32.4	52.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >478) BY HOUR

HR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <578 AND 5+	TOTAL OBS
00003	.0	12.5	14.6	31.3	54.2	48
06009	2.5	7.5	22.5	50.0	27.5	40
12015	2.5	2.5	15.0	50.0	35.0	40
18021	.0	2.6	13.1	33.3	43.6	39
TOT	2	11	31	68	68	167
PCT	1.2	6.6	18.6	40.7	40.7	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
55/59	.0	.0	.0	.0	1.2	.8	.0	.0	5	2.0
50/54	.0	.0	.0	.0	2.8	2.8	6.8	3.2	39	15.7
45/49	.0	.0	.0	.8	4.0	8.0	24.5	14.5	129	51.8
40/44	.0	.0	.0	.8	.0	5.6	8.8	8.0	58	23.3
35/39	.0	.0	.0	.0	.4	1.2	3.6	2.0	18	7.2
TOTAL	0	0	0	4	21	46	109	69	249	100.0
PCT	.0	.0	.0	1.6	8.4	18.5	43.8	27.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	C&LM
.4	.0	.0	.0	.0	.8	.4	.4	.0	.0
1.5	.0	.0	.4	1.0	2.8	4.6	4.9	.0	.4
4.1	2.0	.7	.7	3.3	12.8	15.0	11.6	.0	1.6
1.0	.4	1.4	.7	3.9	6.9	4.8	3.7	.0	.4
.4	.0	.0	.5	2.2	2.6	1.5	.0	.0	.0
7.4	2.4	2.1	2.3	10.4	25.9	26.3	20.7	.0	2.4

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	55	53	50	45	39	37	36	44.6	290
06009	52	50	48	44	38	37	36	43.6	177
12015	55	54	51	46	40	38	36	45.8	373
18021	58	53	52	47	41	39	38	46.5	151
TOT	56	54	51	45	39	37	36	45.2	991

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.2	7.1	17.9	40.5	33.3	85	84
06009	.0	.0	3.0	7.6	50.0	39.4	87	66
12015	.0	.0	10.7	20.0	48.0	21.3	83	75
18021	.0	5.6	11.1	24.1	29.6	29.6	82	54
TOT	0	4	22	48	119	86	84	279

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

DECEMBER

AREA 0018 FALKLAND ISLANDS
52.15 57.0W

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	37	41	45	49	53	57	TOT	W FOG	WD FOG
	40	44	48	52	56	60			
9/10	.0	.0	.0	.0	.4	.4	2	.0	.8
7/R	.0	.0	.0	.0	.4	.0	1	.0	.4
6	.0	.0	.0	2.1	.4	.0	6	.0	2.5
5	.0	.0	.0	2.1	.4	.0	6	.0	2.5
4	.0	.0	2.1	3.3	.0	.0	13	.4	4.9
3	.0	.8	4.1	4.9	.0	.0	24	1.2	8.6
2	.4	.8	8.2	3.7	.0	.0	32	1.2	11.9
1	.0	2.1	10.3	2.5	.0	.0	36	1.2	13.6
0	.4	3.7	8.6	1.2	.0	.0	34	1.6	12.3
-1	.8	2.9	6.2	1.6	.0	.0	28	.4	11.1
-2	2.5	2.5	2.1	.4	.0	.0	18	.0	7.4
-3	.4	4.9	1.2	.0	.0	.0	16	.4	6.2
-4	.8	1.6	.4	.4	.0	.0	8	.0	3.3
-5	2.1	1.2	.8	.0	.0	.0	10	.0	4.1
-6	.8	.0	.4	.0	.0	.0	3	.0	1.2
-7/-8	1.6	.4	.4	.0	.0	.0	6	.0	2.5
TOTAL	24		109		4		243	16	227
PCT	9.9	21.0	44.9	22.2	1.6	.4	100.0	6.6	93.4

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N					PCT	NE					PCT		
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47	48+
<1	.8	.0	.0	.0	.0	.0	.8	.0	.2	.0	.0	.0	.0	.2
1-2	.0	.8	4.2	.0	.0	.0	5.0	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	1.3	.8	.0	.0	2.1	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.6	.0	.0	.0	.6	.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	.6	.0	.0	.0	.6	.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	.8	6.7	.8	.0	.0	9.2	.0	1.0	.8	.0	.0	.0	1.9

HGT	E					PCT	SE					PCT		
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47	48+
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	1.3	.0	.2	2.3	.0	.0	.0	2.5
3-4	.0	.0	.8	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.8
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	.0	2.1	1.5	.0	.0	.0	3.5	.0	1.0	2.3	.0	.0	.0	3.3

PERIOD: (OVER-ALL) 1963-1975

DECEMBER

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.6	.0	.0	.0	.0	.6	.0	1.0	.8	.0	.0	.0	1.9
1-2	.0	1.3	4.4	.0	.0	.0	5.6	.0	4.0	3.1	.0	.0	.0	7.1
3-4	.0	1.7	.0	.8	.0	.0	2.5	.0	1.9	4.4	3.3	.0	.0	9.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.8	.0	.0	3.5
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	.8	.0	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
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	.0	3.5	4.4	.8	.0	.0	8.8	.0	6.9	12.7	5.8	.8	.0	26.3

HGT	N						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	2.3	.0	.0	.0	.0	2.3	.0	1.0	.8	.0	.0	.0	1.9	
1-2	.0	3.8	8.3	.0	.0	.0	12.1	.0	2.7	3.8	.0	.0	.0	6.5	
3-4	.0	2.3	5.2	1.7	.0	.0	9.2	.0	.8	1.7	.8	.0	.0	3.3	
5-6	.0	.0	.6	1.7	.0	.0	2.3	.0	.8	.2	.0	.0	.0	1.0	
7	.0	.0	.0	.8	.0	.0	.8	.0	.0	.8	.0	.0	.0	.8	
8-9	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	1.3	.0	.0	.0	1.3	
10-11	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.8	.0	.0	.8	.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	.0	8.3	15.6	5.8	.0	.0	29.8	.0	5.4	7.7	1.7	.0	.0	14.8	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	3.3	6.7	1.7	.0	.0	.0	11.7	
1-2	.0	14.2	26.7	.0	.0	.0	40.8	
3-4	.0	7.5	14.2	7.5	.0	.0	29.2	
5-6	.0	.8	4.2	2.5	.0	.0	7.5	
7	.0	.0	.0	1.7	.0	.0	1.7	
8-9	.0	.0	4.2	.0	.0	.0	4.2	
10-11	.0	.0	.0	1.7	.0	.0	1.7	
12	.0	.0	.8	.8	.0	.0	1.7	
13-16	.0	.0	.0	.8	.0	.0	.8	
17-19	.0	.0	.0	.8	.8	.0	.8	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	29.2	51.7	15.0	.8	.0	100.0	120

PERIOD: (OVER-ALL) 1949-1975

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	11.7	18.8	5.8	1.9	3.2	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	4
6-7	.0	2.6	5.2	13.0	3.9	1.3	1.3	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	6
8-9	.0	.0	.6	1.3	4.5	3.2	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	8
10-11	.0	.0	.0	.0	.0	.6	1.9	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	13
12-13	.0	.0	.6	.6	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
>13	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
INDET	3.9	.0	.6	.6	1.9	.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
TOTAL	7	22	40	33	21	14	8	2	3	2	2	0	0	0	0	0	0	0	0	0	154	6
PCT	4.5	14.3	26.0	21.4	13.6	9.1	5.2	1.3	1.9	1.3	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	6.5	1.9	4.5	.0	.2	.0	.4	13.1	.0	.5	15.9	.6	1.4	.0	.0	68.5
NE	9.1	2.7	4.6	.0	.0	.0	.8	17.0	1.8	.3	18.9	4.8	2.1	.0	.0	55.1
E	8.4	1.9	7.0	.0	.0	.0	.0	16.9	.0	1.0	14.9	.0	.0	.0	.0	67.2
SE	16.7	3.9	1.4	.0	7.1	.0	1.7	29.4	1.7	1.7	11.4	.0	.0	.0	.0	55.9
S	5.0	5.7	2.8	.0	6.9	.0	.0	18.8	.8	.0	4.8	.0	.4	.2	.0	75.1
SW	4.2	4.2	1.8	.0	4.6	.0	1.1	14.1	.7	.0	5.7	.0	.1	.0	.0	79.4
W	3.4	2.2	1.8	.0	1.3	.0	1.7	10.2	2.1	.5	9.9	.1	.4	.2	.0	76.7
NW	5.6	1.4	5.2	.0	.1	.0	.1	12.3	.6	.2	12.2	.*	.9	.1	.0	74.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.1	.0	2.1	.0	.0	.0	.0	2.1	.0	.0	6.0	.4	2.8	.0	.0	55.4
TOT PCT	5.6	2.6	3.5	.0	2.1	.0	.7	13.9	1.0	.3	11.0	.2	.5	.1	.0	73.1
TOT OBS:	2981															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
0000	5.6	2.8	4.4	.0	1.5	.0	.6	14.3	1.2	.7	12.7	.1	.3	.1	.0	70.7
0600	6.7	1.9	2.9	.0	2.0	.0	.2	12.8	1.7	.1	9.7	.2	.3	.1	.0	75.0
1200	6.1	2.6	3.0	.0	2.6	.0	1.2	14.8	.4	.0	10.3	.3	.9	.1	.0	73.2
1800	4.0	2.4	3.0	.0	2.9	.0	.9	12.6	1.0	.1	11.0	.0	.2	.0	.0	74.9
TOT PCT	5.5	2.5	3.4	.0	2.2	.0	.7	13.8	1.0	.3	11.1	.2	.5	.1	.0	73.1
TOT OBS:	3154															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.5	3.2	5.1	2.8	.6	.1	12.3	16.6	11.8	12.0	13.2	11.1	11.7	13.5	12.0	12.7
NE	.3	1.6	1.6	.5	.2	.1	4.2	14.0	5.2	4.0	6.0	3.2	4.4	3.9	5.9	4.3
E	.3	1.2	.7	.4	.2	.1	2.9	14.2	2.8	2.3	4.6	2.9	2.9	3.3	4.4	2.7
SE	.4	1.5	1.4	.8	.3	.*	4.3	15.1	4.5	5.3	4.0	5.0	3.0	4.3	2.5	4.5
S	.4	1.9	2.9	1.9	.8	.1	8.0	18.7	7.9	7.2	10.2	7.8	9.8	7.5	14.2	6.5
SW	.6	4.8	8.9	4.9	1.8	.3	21.3	18.2	21.7	20.4	16.3	20.1	21.5	21.9	18.1	22.3
W	.6	4.7	9.1	5.3	1.5	.2	21.5	18.2	23.2	21.7	20.2	20.7	20.5	20.9	17.1	21.7
NW	.8	6.1	10.4	5.4	1.2	.2	24.2	17.1	21.6	25.5	24.4	27.6	24.9	23.6	22.6	24.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	1.2	1.7	1.1	1.4	1.1	1.1	3.2	1.1
TOT OBS							9051	17.1	1470	1131	256	1158	1452	2115	290	1179
TOT PCT	5.2	25.0	40.0	22.1	6.7	1.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	06	12	18	21
N	1.7	4.7	4.0	1.6	.2	12.3	16.6	11.9	11.3	12.8	12.6	
NE	1.1	1.8	1.0	.3	.1	4.2	14.0	4.6	3.6	4.1	4.5	
E	.8	1.2	.6	.2	.1	2.9	14.2	2.6	3.1	3.1	2.9	
SE	1.0	1.7	.9	.6	.1	4.3	15.1	4.8	4.8	3.8	4.1	
S	1.1	2.6	2.4	1.5	.4	8.0	18.7	7.6	8.0	8.5	7.5	
SW	2.2	8.1	7.0	3.2	.8	21.3	18.2	21.1	19.9	21.7	21.9	
W	2.3	7.6	7.7	3.2	.7	21.5	18.2	22.6	21.0	20.8	21.4	
NW	2.7	9.4	8.4	3.2	.6	24.2	17.1	23.3	26.8	24.1	23.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3					1.3	.0	1.4	1.5	1.1	1.4	
TOT OBS						9051	17.1	2601	1414	3567	1469	
TOT PCT	14.2	37.0	32.0	13.8	3.1		100.0	100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1902-1976
(OVER-ALL) 1855-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	1.4	4.6	26.1	41.0	20.2	5.9	.8	16.4	100.0	2601
06009	1.5	4.1	25.9	38.8	23.0	5.7	1.1	16.8	100.0	1414
12015	1.1	3.6	24.0	39.3	23.3	7.5	1.2	17.7	100.0	3567
18021	1.4	3.1	24.7	41.6	21.3	7.0	.9	17.4	100.0	1469
TOT								17.1		9051
PCT	1.3	3.9	25.0	40.0	22.1	6.7	1.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT
N	2.0	.6	5.5	6.4	6.0	6.0	.7	.0	*	2.1	4.5	1.3	.4	.4	.3	.4	4.3
NE	.7	.1	1.0	4.1	6.8	6.8	.5	.0	.3	1.3	1.4	.7	.3	.1	*	*	1.1
E	.5	.7	1.0	1.4	5.0	5.0	.2	.0	.1	.1	.9	.3	.3	.0	.0	.1	1.6
SE	.9	.1	1.1	1.1	5.8	5.8	*	.0	.0	.5	.5	.7	.2	.0	.0	.0	.4
S	1.0	.6	4.2	3.0	5.3	5.3	.1	.0	.1	.7	4.2	2.5	.7	.0	.0	.0	2.6
SW	3.7	2.7	8.4	5.1	5.4	5.4	.1	.0	.3	.6	3.7	4.5	1.0	.0	.1	.0	9.6
W	4.5	3.3	7.1	6.0	5.3	5.3	.1	*	.1	.6	3.9	3.2	1.3	.4	.3	.2	10.7
NW	5.2	1.7	6.9	7.8	5.3	5.3	.5	.0	.1	1.1	3.1	2.6	2.3	.1	*	.6	11.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.2	.2	.3	2.1	2.1	.1	.1	.1	*	.0	.1	.0	.0	.0	.0	.5
TOT OBS					1074	5.6											1074
TOT PCT	17.8	9.8	37.3	35.2	100.0		2.2	.1	1.1	7.1	22.2	15.9	6.2	1.0	.7	1.4	42.0

TABLE 6

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT
N	2.0	.6	5.5	6.4	6.0	6.0	.7	.0	*	2.1	4.5	1.3	.4	.4	.3	.4	4.3
NE	.7	.1	1.0	4.1	6.8	6.8	.5	.0	.3	1.3	1.4	.7	.3	.1	*	*	1.1
E	.5	.7	1.0	1.4	5.0	5.0	.2	.0	.1	.1	.9	.3	.3	.0	.0	.1	1.6
SE	.9	.1	1.1	1.1	5.8	5.8	*	.0	.0	.5	.5	.7	.2	.0	.0	.0	.4
S	1.0	.6	4.2	3.0	5.3	5.3	.1	.0	.1	.7	4.2	2.5	.7	.0	.0	.0	2.6
SW	3.7	2.7	8.4	5.1	5.4	5.4	.1	.0	.3	.6	3.7	4.5	1.0	.0	.1	.0	9.6
W	4.5	3.3	7.1	6.0	5.3	5.3	.1	*	.1	.6	3.9	3.2	1.3	.4	.3	.2	10.7
NW	5.2	1.7	6.9	7.8	5.3	5.3	.5	.0	.1	1.1	3.1	2.6	2.3	.1	*	.6	11.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.2	.2	.3	2.1	2.1	.1	.1	.1	*	.0	.1	.0	.0	.0	.0	.5
TOT OBS					1074	5.6											1074
TOT PCT	17.8	9.8	37.3	35.2	100.0		2.2	.1	1.1	7.1	22.2	15.9	6.2	1.0	.7	1.4	42.0

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 >500	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
= OR >5000	2.4	2.9	3.2	3.2	3.2	3.2	3.2	3.2
= OR >3500	6.8	9.1	9.5	9.5	9.6	9.6	9.6	9.6
= OR >2000	16.0	24.0	24.8	24.8	24.9	24.9	24.9	24.9
= OR >1000	27.9	43.7	47.1	47.4	47.6	47.7	47.7	47.7
= OR >600	31.7	50.1	54.1	54.6	54.8	54.9	54.9	54.9
= OR >300	32.2	50.8	55.0	55.5	55.8	55.9	55.9	55.9
= OR >150	32.2	50.8	55.0	55.7	55.9	56.1	56.1	56.1
= OR > 0	32.2	51.0	55.6	56.3	56.8	57.8	58.2	58.3

TOTAL NUMBER OF OBS: 1113

PCT FREQ NH <5/8: 41.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.4	8.1	9.1	7.0	6.9	7.9	12.4	11.5	26.1	1.7	1198

TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.2	*	*	*	*	*	.2	.1	.0	*	.5	
	NO PCP	.1	.1	.1	*	*	.1	.2	.3	.0	.1	.6	
	TOT %	.2	.1	.1	*	.1	.1	.4	.4	.0	.1	1.5	
1/2<1	PCP	.1	*	.1	*	*	.2	.1	.2	.0	.0	.8	
	NO PCP	.9	.1	.0	.1	*	.2	.2	.7	.0	*	2.2	
	TOT %	1.0	.2	.1	.1	.1	.4	.3	.9	.0	*	3.0	
1<2	PCP	*	.1	.1	.1	.1	.3	.1	.4	.0	*	1.2	
	NO PCP	.2	.1	*	.1	*	.5	.5	.5	.0	.1	2.0	
	TOT %	.3	.2	.1	.2	.1	.8	.6	.9	.0	.1	3.2	
2<5	PCP	.2	.1	.1	.1	.3	.6	.6	.4	.0	.0	2.5	
	NO PCP	.8	.4	.1	.1	.3	1.0	.8	1.0	.0	*	4.5	
	TOT %	1.0	.4	.2	.2	.6	1.5	1.4	1.5	.0	*	6.9	
5<10	PCP	1.0	.5	.2	.7	1.0	1.2	1.1	1.4	.0	.0	7.2	
	NO PCP	5.3	2.1	.8	1.0	3.4	7.4	11.2	11.1	.0	.2	42.6	
	TOT %	6.3	2.6	1.1	1.7	4.4	8.6	12.3	12.5	.0	.2	49.8	
10+	PCP	.3	*	*	*	.1	.3	.2	.3	.0	.0	1.4	
	NO PCP	4.3	1.4	1.0	.7	2.7	7.3	8.6	7.8	.0	.4	34.7	
	TOT %	4.6	1.4	1.1	.7	2.8	7.6	8.8	8.1	.0	.4	36.1	
TOT OBS												2956	
TOT PCT		13.4	4.9	2.6	3.0	8.1	19.1	23.8	24.3	.0	.9	100.0	

TABLE 9

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

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	*	*	*	.1	.0	.1	.3	
	4-10	*	*	*	*	*	.1	.1	.1	.0	.1	.4	
	11-21	.1	.1	*	*	.0	*	.1	.1	.0	.1	.5	
	22+	.1	.0	.0	*	*	*	.1	.1	.0	.1	.3	
	TOT %	.2	.1	.1	*	.1	.2	.3	.3	.0	.1	1.4	
1/2<1	0-3	.0	.0	.0	.0	*	*	.0	.1	.0	*	.2	
	4-10	.1	.1	.1	.1	*	.1	.1	.4	.0	.1	.9	
	11-21	.5	.1	.0	*	*	.1	.1	.3	.0	.1	1.2	
	22+	.2	.0	.0	.0	.0	.2	.1	*	.0	.1	.5	
	TOT %	.8	.2	.1	.1	.1	.4	.3	.9	.0	*	2.8	
1<2	0-3	.0	.0	.0	.0	.0	*	.1	.1	.0	.1	.3	
	4-10	.1	.3	*	.1	*	.3	.2	.4	.0	.1	1.2	
	11-21	.1	.1	.1	.1	.1	.2	.2	.2	.0	.1	1.1	
	22+	.1	*	*	*	.1	.2	.1	.1	.0	.1	.7	
	TOT %	.3	.2	.1	.2	.2	.8	.6	.9	.0	.1	3.4	
2<5	0-3	.0	*	*	*	.0	*	.1	*	.0	.1	.3	
	4-10	.3	.3	*	.1	.2	.4	.6	.8	.0	.1	2.7	
	11-21	.4	.3	.1	.1	.6	.8	.8	.6	.0	.1	3.8	
	22+	.3	*	.2	*	.2	.3	.2	.1	.0	.1	1.4	
	TOT %	1.0	.7	.4	.3	1.0	1.5	1.7	1.5	.0	.1	8.2	
5<10	0-3	.2	.1	*	.2	.2	.2	.2	.3	.0	.2	1.6	
	4-10	2.1	.7	.7	.3	1.0	2.1	3.0	3.3	.0	.1	13.3	
	11-21	2.5	1.2	.1	.5	1.7	4.4	5.0	5.4	.0	.1	20.7	
	22+	1.1	.5	.2	.6	1.5	2.0	3.2	2.6	.0	.1	11.7	
	TOT %	5.8	2.5	1.0	1.6	4.3	8.7	11.5	11.7	.0	.2	47.4	
10+	0-3	.2	.4	.1	.1	.1	.4	.2	.4	.0	.4	2.3	
	4-10	1.0	.5	.4	.2	.8	2.1	2.5	2.7	.0	.1	10.3	
	11-21	1.6	.5	.3	.3	1.1	4.1	4.8	4.0	.0	.1	16.7	
	22+	1.4	.1	.2	.1	1.1	1.7	1.9	1.2	.0	.1	7.6	
	TOT %	4.2	1.5	1.0	.7	3.1	8.3	9.4	8.3	.0	.4	36.8	
TOT OBS												3042	
TOT PCT		12.3	5.1	2.7	2.9	8.8	19.8	23.7	23.6	.0	1.0	100.0	

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PERIOD: (PRIMARY) 1902-1976
(OVER-ALL) 1855-1976

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52.15 57.24

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	2.1	.3	1.6	5.9	23.7	12.4	9.3	.5	1.0	1.1	57.8	42.2	314
06009	4.0	.0	1.1	8.2	22.9	11.0	5.2	.0	.3	1.1	53.6	46.4	250
12015	.7	.0	.6	7.0	24.7	14.5	5.8	3.0	1.1	.9	58.3	41.7	297
18021	2.7	.2	.4	7.7	25.0	18.6	3.1	.6	.4	1.7	60.4	39.6	288
TOT PCT	2.3	.1	1.0	7.0	22.3	15.1	6.1	.9	.7	1.4	56.9	43.1	1149 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.8	3.0	3.4	8.6	50.6	32.7	995
06009	1.2	3.0	5.0	10.7	45.4	34.7	608
12015	1.1	2.7	2.9	6.4	49.3	37.5	975
18021	1.4	1.9	2.1	9.1	43.3	42.2	633
TOT PCT	1.5	2.7	3.3	8.3	47.6	36.6	3212 100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	2.2	5.0	12.1	47.1	40.8	305
06009	4.0	5.5	20.2	35.4	44.4	244
12015	.8	2.1	15.2	45.4	39.5	285
18021	2.0	2.7	14.9	46.3	38.8	279
TOT PCT	2.2	3.8	14.9	43.7	41.4	1113 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
50/64	.0	.0	.0	*	*	*	.0	.0	.1	
53/59	.0	.0	.0	.1	.2	.1	.5	.2	1.2	
50/54	.0	.0	.1	.2	.9	1.6	5.0	2.8	10.5	
45/49	.0	.0	.1	.3	1.9	6.6	12.4	10.4	31.6	
40/44	.0	.0	*	.5	3.1	6.0	11.5	17.7	38.9	
35/39	.0	.0	*	.9	1.3	2.7	4.5	4.9	14.4	
30/34	.0	.0	.0	.0	*	.7	1.5	1.0	3.2	
25/29	.0	.0	.0	.0	*	.0	.0	.1	.2	
TOTAL PCT	.0	.0	.2	2.1	7.5	17.8	35.4	37.1	2426	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
50/64	*	*	.0	.0	.0	*	*	*	.0	.0
53/59	.2	.1	*	.0	*	.2	.3	.3	.0	.1
50/54	1.4	.5	.3	.1	.5	1.7	2.4	3.3	.0	.2
45/49	3.6	1.4	.6	.5	1.3	5.9	8.3	9.5	.0	.4
40/44	7.1	1.8	1.2	1.1	3.3	6.1	8.9	9.1	.0	.2
35/39	1.0	.9	.4	.9	2.6	3.9	3.3	1.1	.0	.2
30/34	.6	.2	.0	.3	.6	.8	.5	.1	.0	.0
25/29	.0	.0	.0	.0	*	.0	.1	.0	.0	.0
TOTAL PCT	14.0	5.0	2.5	3.0	8.5	18.6	24.0	23.4	.0	1.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	56	50	47	42	37	34	22	43.1	2592
06009	55	49	47	42	36	33	23	42.8	1426
12015	61	51	48	43	37	33	23	43.8	3534
18021	62	51	49	44	38	34	27	44.7	1471
TOT	62	51	48	43	37	34	22	43.6	9023

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	8.7	19.9	33.4	36.5	85	790
06009	.0	.9	4.6	12.2	38.1	44.2	86	484
12015	.0	1.9	6.3	19.8	34.6	37.4	84	771
18021	.0	4.4	9.5	17.4	36.3	32.4	83	521
TOT	0	5.5	19.3	45.3	94.9	91.6	84	2566

PERIOD: (PRIMARY) 1902-1976
(OVER-ALL) 1855-1976

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TABLE 17

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

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	61 64	TOT	% FOG	% FOG
14/16	.0	.0	.0	.0	.0	.0	*	.0	.0	1	.0	*
11/13	.0	.0	.0	.0	.0	*	*	.0	*	3	.0	.1
9/10	.0	.0	.0	*	.0	.2	.1	.1	.0	10	*	.4
7/8	.0	.0	.0	.1	.1	.4	.2	*	.0	22	*	.8
6	.0	.0	.0	.2	.2	.4	.3	*	.0	32	.1	1.2
5	.0	.0	.0	.4	.6	.8	.7	.1	.0	67	.1	2.4
4	.0	.0	.0	.6	1.1	1.5	.5	.0	.0	100	.2	3.5
3	.0	*	*	1.0	2.8	2.2	.2	.1	.0	157	.6	5.8
2	.0	.1	.1	2.4	4.8	2.5	.2	.0	.0	245	1.1	9.1
1	.0	.0	.8	5.6	5.3	2.0	.1	.0	.0	315	1.6	12.2
0	.0	.0	1.0	7.7	5.1	1.2	*	.0	.0	313	2.3	12.7
-1	.0	*	1.6	5.6	3.3	.6	*	.0	.0	244	1.0	10.1
-2	.0	.0	3.8	4.1	1.8	.4	.0	.0	.0	218	1.4	8.7
-3	.0	.1	4.2	3.2	1.4	.2	*	.0	.0	195	1.4	7.7
-4	.0	.7	2.8	1.5	.5	.1	.0	.0	.0	116	*	5.0
-5	.0	.9	1.7	.6	.2	.1	.0	.0	.0	65	.7	2.9
-6	.1	.9	1.1	.3	.2	.0	.0	.0	.0	49	.2	2.4
-7/-8	.1	.8	.7	.2	.1	.0	.0	.0	.0	40	*	1.9
-9/-10	.7	.5	.1	*	.0	.0	.0	.0	.0	19	.0	1.3
-11/-13	.3	.1	.0	.0	.0	.0	.0	.0	.0	7	.0	.4
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL										2219		
PCT	1.3	4.2	17.9	33.7	27.5	12.6	2.4	.4	*	100.0	11.2	88.8

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.2	.5	.0	.0	.0	.0	.7	.3	.3	.0	.0	.0	.0	.6
1-2	.1	.4	1.1	.0	.0	.0	1.6	.1	.2	.7	.0	.0	.0	.9
3-4	.0	.3	1.1	.4	.0	.0	1.8	.0	.3	.5	.0	.0	.0	.7
5-6	.0	.2	.7	.6	.0	.0	1.4	.0	*	1.0	.0	.0	.0	1.0
7	.0	.0	.2	.7	.0	.0	.9	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.0	.5	2.0	.3	.0	2.7	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	1.7	3.1	.0	.0	4.8	.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	3.0	2.6	.0	5.8	.0	.0	.0	1.7	.0	.0	1.7
17-19	.0	.0	.0	*	.0	.0	*	.0	.0	.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	.2	1.5	3.3	9.8	3.0	.0	19.9	.4	.7	2.6	1.9	*	.0	5.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.3	.0	.0	.0	.0	.3	.3	*	.0	.0	.0	.0	.4
1-2	.1	.8	.3	.0	.0	.0	1.2	.0	*	.2	.0	.0	.0	.3
3-4	.0	.1	.3	.0	.0	.0	.3	.0	.3	.5	.0	.0	.0	.8
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.4	.1	.0	.0	.5
7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	*	.0	*	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.7	.0	.0	1.7	.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	1.2	.7	1.7	.0	.0	3.7	.3	.3	1.3	.1	.0	*	2.1

PERIOD: (OVER-ALL) 1963-1974

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TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.1	.2	.1	.0	.0	.0	.4	.0	.3	.2	.0	.0	.0	.5		
1-2	.0	.2	.4	.3	.0	.0	.6	.0	1.1	1.8	.0	.0	.0	2.9		
3-4	.0	.6	1.0	.4	.0	.0	2.0	.0	.3	4.3	.8	.0	.0	5.4		
5-6	.0	.0	1.4	.4	.0	.0	1.8	.0	.2	1.6	1.1	.0	.0	2.9		
7	.0	.0	.3	.5	.0	.1	.9	.0	.2	1.0	.8	.0	.0	2.0		
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.3	.6	.2	.0	1.2		
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.4	.4	.0	.0	.8		
12	.0	.0	.0	.*	.*	.0	.1	.0	.0	.1	.2	.0	.0	.3		
13-16	.0	.0	.0	.5	.0	.0	.5	.0	.0	.1	.4	.0	.0	.5		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8	.0	1.4		
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1		
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	1.0	3.4	2.0	*	.1	6.6	.0	2.2	9.9	5.0	1.0	.0	18.0		

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.6	.0	.0	.0	.0	.6	.0	.2	.1	.0	.0	.0	.4	.0		
1-2	.0	1.8	4.4	.0	.0	.0	6.2	.0	2.0	1.2	.0	.0	.0	3.2	.0		
3-4	.0	.4	3.3	.4	.0	.0	4.1	.0	.6	3.0	.2	.0	.0	3.8	.0		
5-6	.0	.5	1.3	1.2	.0	.0	3.0	.0	.5	2.2	.3	.0	.0	3.0	.0		
7	.0	.0	1.2	.7	.0	.0	1.8	.0	.1	1.0	.8	.0	.0	1.9	.0		
8-9	.0	.0	.2	.5	.0	.0	.8	.0	.0	.1	.1	.2	.0	.4	.0		
10-11	.0	.1	.2	8.7	.6	.0	9.5	.0	.0	.1	*	.1	.0	.3	.0		
12	.0	.0	.1	1.0	.5	.0	1.6	.0	.0	*	.2	.0	.0	.2	.0		
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.1	.3	.5	.0	.9	.0		
17-19	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.1	.0	.0	.1	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.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	.0		
41-48	.0	.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	.0		
61-70	.0	.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	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.0	3.4	10.6	13.1	1.3	.3	28.7	.0	*	3.4	7.8	2.0	.8	14.0	98.7		

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	2.4	.4	.0	.0	.0	5.5	
1-2	.4	6.5	10.2	.0	.0	.0	17.0	
3-4	.0	2.8	13.8	2.3	.0	.0	18.8	
5-6	.0	1.5	8.5	3.7	.0	.0	13.7	
7	.0	.3	4.0	3.7	.0	.1	8.1	
8-9	.0	.1	1.4	3.2	.6	.0	5.3	
10-11	.0	.1	2.4	14.0	.7	.0	17.2	
12	.0	.0	.2	1.4	.6	.0	2.2	
13-16	.0	.0	.2	6.3	3.3	.0	9.7	
17-19	.0	.0	.0	.4	.1	.0	.5	
20-22	.0	.0	.1	.5	.8	.3	1.6	
23-25	.0	.0	.0	.1	.3	.0	.3	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.0	13.6	41.2	35.3	6.3	.3	100.0	715

PERIOD: (OVER-ALL) 1951-1970

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	6.1	9.0	8.2	3.8	3.4	1.8	.9	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	305	4
6-7	.0	.5	3.2	9.9	6.7	3.4	3.5	2.4	3.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	295	7
8-9	.0	.0	1.0	2.1	1.8	3.7	1.6	2.3	2.4	.4	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	164	9
10-11	.0	.1	.0	*	.4	.2	.5	.5	.3	.0	1.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	35	13
12-13	.0	.0	.2	.2	1.1	.2	.0	.0	.0	.2	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	19	11
>13	.0	.0	.0	.1	.1	.0	.1	.1	.2	.6	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11
INDET	.9	.2	.5	.9	2.3	.2	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	5
TOTAL PCT	1.3	6.9	13.9	21.5	16.2	11.1	8.8	6.2	7.5	1.7	2.2	1.8	1.0	.0	.0	.0	.0	.0	.0	.0	904	7

TABLE 20

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

SEA TMP REG 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	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.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	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.1
55/56	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.1
53/54	1.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	41	.5
51/52	2.9	2.9	2.4	.0	.0	.0	.0	.0	.0	.0	.1	1.2	85	1.1
49/50	10.8	9.3	10.0	1.2	.0	.0	.0	.0	.2	.6	2.1	2.9	295	3.8
47/48	24.8	26.5	22.3	15.0	2.1	.8	.0	.0	.0	.0	2.8	7.5	839	10.8
45/46	39.2	42.3	39.1	27.9	14.1	1.8	.3	.4	.2	1.4	10.8	24.9	1573	20.2
43/44	16.7	14.7	26.9	34.0	32.5	11.3	6.5	1.9	4.2	17.9	23.0	44.6	1628	20.9
41/42	1.9	2.8	4.4	19.0	35.2	42.8	33.8	17.4	27.7	40.1	46.1	17.0	1648	21.2
39/40	.4	.4	.4	1.2	9.9	25.4	43.6	52.5	57.4	39.5	15.4	2.1	1283	16.5
37/38	.0	.0	.4	.9	5.1	6.0	10.7	25.4	8.4	4.7	.6	.2	297	3.8
35/36	.0	.0	.1	.5	1.0	1.6	2.2	1.4	1.5	1.0	.1	.1	48	.6
33/34	.0	.0	.0	.3	.2	.3	1.5	.0	.7	.2	.1	.0	18	.2
31/32	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	.1	.0	8	.1
29/30	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.0	4	.1
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	1052	789	800	585	526	381	582	425	455	511	777	892	7775	100.0
MEAN	46.4	46.2	45.7	44.1	42.3	40.7	39.9	39.3	39.9	40.8	42.2	44.0	42.6	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	998	996	998	996	997	998	999	997	998	969
FEB	1001	1001	1003	1001	1000	999	1000	1000	1001	760
MAR	1001	1000	1005	1000	1001	1000	1004	1000	1001	821
APR	1004	1005	1004	1004	1004	1004	1004	1003	1004	599
MAY	1004	1003	1006	1002	1003	1003	1006	1003	1003	599
JUN	999	1002	1007	1002	1002	1000	1001	998	1001	315
JUL	1004	1004	1001	1003	1004	1004	1006	1003	1004	530
AUG	1001	1000	1010	1002	1002	1001	1008	1003	1002	387
SEP	1007	1008	1009	1008	1006	1003	1008	1006	1006	407
OCT	1006	1004	1008	1005	1007	1004	1003	1008	1006	445
NOV	1003	1004	1003	1003	1004	1002	1005	1003	1003	902
DEC	1001	1001	998	1002	1000	1001	998	1001	1001	805
ANN	1002	1003	1004	1002	1003	1002	1004	1002	1002	7629
OBS	1314	981	265	1004	1292	1458	302	1013		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	973	978	984	992	997	1003	1012	1017	1021
FEB	973	975	983	993	1001	1007	1016	1022	1025
MAR	965	977	984	993	1001	1009	1019	1023	1028
APR	975	979	985	996	1005	1012	1021	1026	1031
MAY	971	975	985	995	1003	1011	1021	1027	1031
JUN	965	972	980	992	1001	1010	1021	1024	1025
JUL	973	977	985	996	1003	1012	1022	1027	1030
AUG	967	972	983	993	1001	1011	1023	1032	1035
SEP	974	976	982	997	1007	1016	1026	1031	1033
OCT	978	979	984	997	1007	1015	1024	1028	1031
NOV	972	981	987	996	1003	1010	1018	1022	1028
DEC	971	977	986	995	1001	1007	1015	1019	1021

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PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

AREA 0019 SOUTH GEORGIA
54.1S 36.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	7.9	2.4	7.5	.0	.8	.0	.0	18.7	.0	.0	25.4	.0	.8	.0	55.2
NE	6.6	5.7	22.5	.0	5.7	.0	.0	40.6	.0	.0	10.7	.0	.8	.0	48.0
E	3.4	.0	11.2	.0	5.2	.0	.0	16.4	2.6	.0	15.5	3.4	.0	.0	62.1
SE	8.1	.0	12.3	.0	12.7	.0	.0	30.3	1.8	.0	15.5	.0	.0	.0	52.5
S	5.2	.0	9.2	.0	6.9	.0	.0	21.3	.0	.0	5.7	.0	.0	.0	73.0
SW	4.3	1.1	7.3	.0	4.6	.0	.0	17.3	2.4	.0	3.2	1.1	.0	.0	76.0
W	3.4	.6	2.5	.0	8.1	.0	.0	13.5	2.0	.0	10.4	.0	.0	.0	74.2
NW	3.3	2.1	5.4	.0	9.9	.0	.0	20.7	.8	.0	22.6	.0	.0	.0	55.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.4	.0	2.2	.0	4.3	.0	.0	12.0	.0	1.1	6.5	.0	.0	.0	80.4
TOT PCT	5.1	1.4	7.9	.0	6.8	.0	.0	20.5	1.1	.2	13.0	.3	.2	.0	64.8
TOT OBS:	662														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	4.0	1.3	8.0	.0	7.3	.0	.0	18.7	.7	.0	10.0	.7	.0	.0	70.0
0600	5.8	2.4	7.8	.0	11.2	.0	.0	27.2	1.5	.5	11.7	.0	.5	.0	58.7
1200	8.0	.6	7.4	.0	6.1	.0	.0	21.5	1.8	.0	13.5	.6	.0	.0	62.6
1800	5.5	.5	6.4	.0	8.2	.0	.0	20.5	.0	.0	13.2	.0	.0	.0	66.2
TOT PCT	5.8	1.2	7.3	.0	8.4	.0	.0	22.2	.9	.1	12.2	.3	.1	.0	64.1
TOT OBS:	738														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.3	3.7	4.0	.8	.0	.0	8.9	13.0	11.2	5.6	9.5	5.3	12.5	6.2	9.3	9.0	
NE	.1	4.2	3.8	.6	.0	.0	8.7	12.0	10.9	4.8	8.8	2.0	10.6	5.6	12.6	8.3	
E	.4	3.3	1.0	.1	.0	.0	4.8	8.4	5.6	4.8	3.1	5.3	8.3	5.6	4.0	2.8	
SE	.6	6.0	3.5	.6	.0	.0	10.6	10.8	13.6	13.7	10.3	6.7	7.5	9.9	11.8	11.1	
S	.1	3.9	2.1	1.0	.0	.0	7.0	11.6	3.2	2.4	8.8	4.7	8.6	7.4	8.7	9.0	
SW	.5	5.8	7.2	1.6	.0	.1	15.2	13.3	27.4	11.3	15.1	11.3	15.8	13.0	13.7	12.5	
W	.8	6.3	5.8	1.3	.3	.0	14.5	12.2	9.0	17.7	10.9	15.3	17.2	13.6	17.2	16.0	
NW	.4	8.1	7.3	2.3	.0	.1	18.2	13.1	10.6	20.2	16.0	30.7	13.9	25.3	17.1	17.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.0						12.0	.0	8.5	19.4	17.6	18.7	5.6	13.6	5.6	13.9	
TOT OBS	116	316	266	64	2	2	766	10.8	94	62	131	75	90	81	161	72	
TOT PCT	15.1	41.3	34.7	8.4	.3	.3	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+					00	03	06	09
N	1.4	5.0	1.9	.6	.0	.0	8.9	13.0	9.0	8.0	9.5	9.2	
NE	1.9	4.2	2.4	.1	.0	.0	8.7	12.0	8.5	6.3	8.2	11.3	
E	2.1	2.4	.3	.0	.0	.0	4.8	8.4	5.3	3.9	7.0	3.6	
SE	2.6	6.0	1.9	.1	.0	.0	10.6	10.8	13.6	9.0	8.6	11.6	
S	1.7	4.0	1.2	.1	.0	.0	7.0	11.6	2.9	7.3	8.0	8.8	
SW	2.7	8.0	4.0	.4	.1	.0	15.2	13.3	21.0	13.7	14.5	13.3	
W	3.4	7.6	3.0	.5	.0	.0	14.5	12.2	12.5	12.5	13.5	16.8	
NW	3.1	10.6	3.0	1.3	.1	.0	18.2	13.1	14.4	21.4	19.3	17.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.0						12.0	.0	12.8	18.0	9.4	8.2	
TOT OBS	236	367	137	24	2	766	12.0	10.8	156	206	171	233	
TOT PCT	30.8	47.9	17.9	3.1	.3		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

JANUARY

AREA 0019 SOUTH GEORGIA
54.15 96.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00603	12.8	3.2	40.4	35.9	7.1	.6	.0	10.5	100.0	156	
06609	18.0	2.9	33.0	36.4	9.2	.5	.0	10.7	100.0	206	
12615	9.4	3.5	42.1	32.7	11.1	.0	1.2	11.5	100.0	171	
18621	8.2	2.0	48.5	33.9	6.4	.0	.0	10.4	100.0	233	
TOT	92	24	316	266	64	2	2	10.8		766	
PCT	12.0	3.1	41.3	34.7	8.4	.3	.3	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8-8	TOTAL OBS	MEAN CLOUD COVER
N	.4	.4	4.6	4.0	7.0	7.0
NE	.0	.8	3.5	7.1	7.0	7.0
E	.0	.3	1.2	3.2	7.5	7.5
SE	.0	.7	2.4	7.1	7.2	7.2
S	.0	.3	3.4	5.5	7.1	7.1
SW	.0	3.6	6.0	9.2	6.5	6.5
W	.5	1.2	3.9	7.8	6.8	6.8
NW	1.3	.1	4.4	5.4	6.6	6.6
VAR	.0	.0	.0	.0	.0	.0
CALM	.4	1.8	1.8	4.0	6.2	6.2
TOT OBS	7	25	85	156	273	6.8
TOT PCT	2.6	9.2	31.1	57.1	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL DBS
2.8	.0	.0	1.3	4.6	2.6	.4	.4	.0	.0	1.3	
3.3	.0	.0	1.1	3.8	1.4	.0	.4	.0	.0	1.4	
.3	.0	.0	.4	2.8	.6	.0	.0	.0	.0	.5	
.5	.0	.0	2.7	2.7	3.5	.0	.0	.0	.0	.8	
.0	.0	.0	1.4	4.8	1.6	.7	.0	.0	.0	.6	
.7	.0	.4	.5	10.8	1.6	.5	.0	.0	.0	4.1	
1.1	.0	.2	1.7	4.4	2.7	.2	.0	.0	.4	2.8	
1.9	.0	.2	1.3	3.8	.6	.4	.0	.0	.0	2.7	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.7	.0	.4	.7	2.6	1.1	.4	.0	.0	.0	2.2	
31	0	3	30	110	43	7	3	0	1	45	273
11.4	.0	1.1	11.0	40.3	15.8	2.6	1.1	.0	.4	16.9	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.4	.4	.4	.4	.4	.4	.4	.4
>5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
>3500	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0
>2000	16.2	18.3	19.8	19.8	19.8	19.8	19.8	19.8
>1000	33.3	50.4	57.2	58.3	59.4	59.7	59.7	59.7
>600	35.6	52.9	65.1	66.9	69.8	70.5	70.5	70.5
>300	36.0	53.6	65.8	68.0	70.9	71.6	71.6	71.6
>150	36.0	53.6	65.8	68.0	70.9	71.6	71.6	71.6
>0	36.0	54.7	68.0	71.6	76.6	79.5	82.7	83.1
TOTAL	100	152	189	199	213	221	230	231

TOTAL NUMBER OF OBS: 278

PCT FREQ NH <5/8: 16.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL DBS
2.1	1.1	2.1	6.4	5.0	6.8	9.6	11.7	43.8	11.4	281

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

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AREA 0019 SOUTH GEORGIA
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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	.1	.0	.0	.2	.1	.0	.2	.6	.0	.0	1.1	
	NO PCP	1.6	.8	.0	.3	.0	.3	.9	2.0	.0	.2	6.2	
	TOT %	1.7	.8	.0	.6	.1	.3	1.1	2.6	.0	.2	7.3	
1/2<1	PCP	.0	1.4	.0	1.2	.2	.0	.4	.4	.0	.2	3.8	
	NO PCP	.2	.0	.2	.1	.2	.0	.2	.7	.0	.2	1.7	
	TOT %	.2	1.4	.2	1.3	.5	.0	.6	1.1	.0	.3	5.5	
1<2	PCP	.0	.8	.1	.1	.3	.2	.1	.0	.0	.2	1.7	
	NO PCP	.0	.0	.2	.6	.0	.1	.4	.4	.0	.6	2.4	
	TOT %	.0	.8	.3	.6	.3	.3	.6	.4	.0	.8	4.1	
2<5	PCP	.6	.3	.4	1.1	.7	.5	.1	.3	.0	.8	4.7	
	NO PCP	.7	.1	.0	.4	.6	.6	.9	.7	.0	.8	4.6	
	TOT %	1.2	.4	.4	1.5	1.2	1.0	.9	1.0	.0	1.6	9.3	
5<10	PCP	.6	.9	.2	.5	.3	1.7	1.5	2.1	.0	.5	8.2	
	NO PCP	1.4	2.3	2.0	3.3	2.8	5.0	6.0	6.4	.0	7.4	36.7	
	TOT %	2.0	3.2	2.3	3.8	3.2	6.7	7.5	8.5	.0	7.9	44.9	
10+	PCP	.4	.0	.0	.0	.0	.2	.0	.2	.0	.2	.4	
	NO PCP	3.7	2.3	1.1	2.2	1.8	6.2	3.3	3.8	.0	3.6	28.0	
	TOT %	4.1	2.3	1.1	2.2	1.8	6.4	3.3	4.0	.0	3.8	28.4	
TOT OBS													633
TOT PCT		9.1	8.8	4.3	10.0	7.0	14.7	14.0	17.6	.0	14.5	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	.2	.1	.0	.0	.0	.0	.3	.3	.0	.1	.7	
	4-10	.8	.5	.1	.4	.1	.3	.3	1.2	.0		3.7	
	11-21	.5	.1	.0	.3	.0	.1	.9	.7	.0		2.7	
	22+	.1	.0	.0	.0	.0	.0	.4	.0	.0		.4	
	TOT %	1.6	.7	.1	.7	.1	.4	1.2	2.6	.0	.1	7.6	
1/2<1	0-3	.0	.0	.0	.1	.0	.0	.4	.0	.0	.3	.9	
	4-10	.0	.7	.1	.5	.4	.0	.1	.6	.0		2.3	
	11-21	.1	.3	.0	.2	.1	.0	.0	.1	.0		.9	
	22+	.0	.3	.0	.3	.0	.0	.0	.3	.0		.9	
	TOT %	.1	1.3	.1	1.2	.4	.0	.6	1.0	.0	.3	5.2	
1<2	0-3	.0	.0	.0	.3	.0	*	.1	.0	.0	.7	1.2	
	4-10	.0	.1	.3	.1	.1	.0	.0	.1	.0		.9	
	11-21	.0	.4	.0	.1	.0	.2	.4	.3	.0		1.5	
	22+	.0	.1	.0	.0	.1	.0	.0	.0	.0		.3	
	TOT %	.0	.7	.3	.6	.3	.3	.5	.4	.0	.7	3.9	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	
	4-10	.5	.1	.3	.5	.5	.1	.1	.1	.0		2.4	
	11-21	.5	.2	.1	.7	.1	1.2	.8	.9	.0		4.5	
	22+	.3	.0	.0	.2	.6	*	.2	.4	.0		1.6	
	TOT %	1.3	.4	.4	1.4	1.1	1.4	1.0	1.4	.0	1.5	9.9	
5<10	0-3	.1	.0	.1	.1	.1	.3	.1	.0	.0	7.4	8.3	
	4-10	.4	1.8	1.5	2.3	1.6	2.7	3.3	3.9	.0		17.5	
	11-21	1.3	1.1	.6	1.4	1.5	2.9	2.4	3.2	.0		14.5	
	22+	.1	.1	.1	.1	.4	1.2	1.2	1.2	.0		4.5	
	TOT %	1.9	3.1	2.4	3.9	3.6	7.2	7.2	8.3	.0	7.4	44.8	
10+	0-3	.0	*	.3	.1	.0	*	.2	*	.0	3.6	4.3	
	4-10	2.1	1.2	1.0	1.3	1.3	2.5	2.3	2.3	.0		13.9	
	11-21	1.4	.9	.1	.6	.6	3.1	.9	1.2	.0		8.8	
	22+	.3	.0	.0	.1	.0	.7	.1	.3	.0		1.6	
	TOT %	3.8	2.2	1.3	2.2	1.9	6.3	3.4	3.9	.0	3.6	28.6	
TOT OBS													674
TOT PCT		8.7	8.5	4.7	9.9	7.4	15.6	13.9	17.5	.0	13.6	100.0	

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

AREA 0019 SOUTH GEORGIA
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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	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	15.1	.0	2.7	8.2	39.7	12.3	4.1	.0	.0	.0	82.2	17.8	73
06209	14.8	.0	.0	14.8	47.5	11.5	1.6	.0	.0	.0	90.2	9.8	61
12215	10.8	.0	1.4	9.5	36.5	18.9	2.7	1.4	.0	1.4	82.4	17.6	74
18221	7.0	.0	.0	11.3	36.6	19.7	1.4	2.8	.0	.0	78.9	21.1	71
TOT	33	0	3	30	111	44	7	3	0	1	232	47	279
PCT	11.8	.0	1.1	10.8	39.8	15.8	2.5	1.1	.0	.4	83.2	16.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00203	7.6	3.2	6.4	3.9	45.9	28.0	157
06209	6.3	6.8	7.4	9.7	55.3	19.4	206
12215	7.5	7.5	5.0	8.7	37.9	33.5	161
18221	6.7	4.9	1.8	8.9	52.4	23.3	223
TOT	52	42	27	68	365	195	749
PCT	6.9	5.6	3.6	9.1	48.7	26.0	100.0

TABLE 12

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

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00203	13.9	18.1	30.6	51.4	18.1	72
06209	14.8	19.7	44.3	45.9	9.8	61
12215	10.8	17.6	36.5	48.6	14.9	74
18221	7.0	11.3	25.4	54.9	19.7	71
TOT	32	46	94	140	44	278
PCT	11.5	16.5	33.8	50.4	15.8	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
55/59	.0	.0	.2	.0	.0	.2	.0	.6	5	1.0
50/54	.0	.0	.0	.4	.4	.0	1.0	.0	9	1.9
45/49	.0	.0	.0	.0	.8	.8	1.3	.6	17	3.6
40/44	.0	.0	.0	.6	2.3	1.7	4.4	8.4	83	17.4
35/39	.0	.0	.0	.8	2.9	11.1	18.2	37.2	336	70.3
30/34	.0	.0	.0	.0	.2	1.7	1.7	2.3	28	5.9
TOTAL	0	0	1	9	32	74	127	235	478	100.0
PCT	.0	.0	.2	1.9	6.7	15.5	26.6	49.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.0	.0	.0	.0	.2	.0	.2	.0	.6
50/54	.0	.0	.2	.3	.3	1.0	.0	.0	.0
45/49	.4	.4	.0	.2	.0	.9	.7	.4	.4
40/44	1.4	2.7	.4	.6	.6	2.3	2.6	4.3	2.5
35/39	7.7	7.3	3.9	8.8	5.3	6.7	11.6	11.2	7.7
30/34	.0	.2	.2	.7	1.3	1.5	1.0	.5	.4
TOTAL	9.5	10.6	4.8	10.7	7.5	12.7	16.0	16.6	11.7

TABLE 15

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

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00203	54	51	42	38	33	31	30	37.7	183
06209	56	53	49	37	33	29	28	37.8	244
12215	58	56	47	38	35	33	33	39.1	203
18221	59	54	49	38	34	33	31	39.0	274
TOT	59	54	48	38	33	31	28	38.4	904

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
00203	.0	3.6	10.0	9.1	25.5	51.8	86	110		
06209	.0	.7	9.3	14.6	25.2	50.3	86	151		
12215	.0	3.5	4.4	21.9	23.7	46.5	85	114		
18221	.0	2.9	7.6	16.4	28.7	44.4	85	171		
TOT	0	14	43	85	142	262	85	546		

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PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

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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	25 28	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	W FOR	WD FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
11/13	.0	.0	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
9/10	.0	.0	.0	.0	.4	1.6	.0	.0	.0	9	.2	1.8
7/8	.0	.0	.0	.2	2.0	.4	.0	.0	.0	12	.2	2.4
6	.0	.0	.0	.4	2.0	.7	.0	.0	.0	14	.4	2.7
5	.0	.0	.0	.7	.9	.0	.0	.0	.0	7	.4	1.1
4	.0	.0	.0	1.8	.7	.0	.0	.0	.0	11	.4	2.0
3	.0	.0	.2	8.2	2.2	.0	.0	.0	.0	48	2.7	8.4
2	.0	.0	2.4	11.3	.9	.0	.0	.0	.0	66	2.0	12.6
1	.0	.0	4.7	12.9	1.3	.0	.0	.0	.0	85	3.3	15.5
0	.0	.0	8.2	10.2	.2	.0	.0	.0	.0	84	1.6	17.1
-1	.0	.0	5.5	6.2	.0	.0	.0	.0	.0	53	1.1	10.6
-2	.0	.2	2.7	2.2	.0	.0	.0	.0	.0	23	1.6	3.5
-3	.0	1.1	2.9	1.1	.0	.0	.0	.0	.0	23	.0	5.1
-4	.0	.2	.4	.7	.0	.0	.0	.0	.0	6	.0	1.3
-5	.0	.0	.7	.0	.0	.0	.0	.0	.0	3	.7	.4
-6	.2	.0	.4	.0	.0	.0	.0	.0	.0	3	.0	.7
-11/-13	.0	.2	.0	.0	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	1	8	127	292	48	13	1	0	1	451	62	382
PCT	.2	1.8	28.2	55.9	10.6	2.9	.2	.0	.2	100.0	13.7	86.3

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N					PCT	NE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<1	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0
1-2	.0	1.5	.3	.0	.0	1.9	.0	2.8	.9	.0	.0	.0	3.7
3-4	.0	2.5	.9	.0	.0	3.4	.0	1.4	.9	.0	.0	.0	2.3
5-6	.0	1.7	2.5	.0	.0	4.2	.0	1.4	2.3	.0	.0	.0	3.8
7	.0	.0	2.9	.0	.0	2.9	.0	1.0	.7	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0
12	.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
17-19	.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
23-25	.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
33-40	.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
49-60	.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
71-86	.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
TOT PCT	.0	5.8	6.6	1.3	.0	13.7	.1	7.1	4.8	.0	.0	.0	11.9

HGT	E					PCT	SE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<1	.3	.4	.0	.0	.0	.8	.0	.9	.0	.0	.0	.0	.9
1-2	.0	.4	.0	.0	.0	.4	.0	1.4	.4	.0	.0	.0	1.9
3-4	.0	.4	.3	.0	.0	.8	.0	1.9	.6	.0	.0	.0	2.4
5-6	.0	.9	.3	.0	.0	1.2	.0	.9	.9	.0	.0	.0	1.8
7	.0	.8	.0	.0	.0	.8	.4	.0	.9	.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.4	.0	.0	1.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4
17-19	.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
23-25	.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
33-40	.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
49-60	.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
71-86	.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
TOT PCT	.3	3.0	.7	.0	.0	4.0	.4	5.1	4.1	1.4	.0	.0	11.1

PERIOD: (OVER-ALL) 1963-1976

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.9	.0	.0	.0	.0	.9	.6	.4	.0	.0	.0	.0	.0	1.0
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	.0	1.4	.0	.0	.0	.0	2.0
3-4	.0	3.1	.4	.0	.0	.0	3.5	.0	2.8	1.0	.0	.0	.0	.0	3.8
5-6	.0	.4	.0	.0	.0	.0	.4	.0	.6	3.1	.0	.0	.0	.0	3.7
7	.0	.4	.0	.3	.0	.0	.8	.0	.9	3.2	.1	.0	.0	.0	4.2
8-9	.0	.0	.0	.3	.0	.0	.3	.0	.0	.9	1.9	.0	.0	.0	2.8
10-11	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.1	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4
13-16	.0	.0	.0	.9	.0	.0	.9	.0	.0	.4	.9	.0	.0	.4	1.8
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	6.1	.8	1.3	.0	.0	8.4	.6	5.2	10.6	3.0	.0	.4	19.8	

HGT	W						PCT	NW						TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.2	.0	.0	.0	.0	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.4
1-2	.3	2.4	1.2	.0	.0	.0	4.0	.1	1.5	.6	.0	.0	.0	.0	2.2
3-4	.0	1.5	.8	.0	.0	.0	2.3	.0	.9	.9	.0	.0	.0	.0	1.8
5-6	.0	.3	.3	.0	.0	.0	.7	.0	.0	1.1	.0	.0	.0	.0	1.1
7	.0	.0	.8	.0	.0	.0	.8	.0	.4	1.8	.0	.0	.4	.0	2.7
8-9	.0	.0	.0	.3	.0	.0	.3	.0	.0	.9	.0	.0	.0	.0	.9
10-11	.0	.0	.0	1.1	.0	.0	1.1	.0	.4	.4	.6	.0	.0	.0	1.4
12	.0	.0	.0	.4	.0	.0	.4	.0	.0	.4	.4	.0	.0	.0	.9
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	4.3	3.1	1.9	.0	.0	10.8	.1	4.2	6.1	1.0	.0	.4	11.8	91.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.6	3.5	.0	.0	.0	.0	14.2	
1-2	.4	11.9	4.9	.0	.0	.0	17.3	
3-4	.0	14.6	5.8	.0	.0	.0	20.4	
5-6	.0	6.2	10.6	.0	.0	.0	16.8	
7	.4	3.5	10.2	.4	.0	.4	15.0	
8-9	.0	.0	1.8	3.1	.0	.0	4.9	
10-11	.0	.4	2.2	3.5	.0	.0	6.2	
12	.0	.0	.9	.9	.0	.0	1.8	
13-16	.0	.0	.4	2.2	.0	.4	3.1	
17-19	.0	.4	.0	.0	.0	.0	.4	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.5	40.7	36.7	10.2	.0	.9	100.0	226

PERIOD: (OVER-ALL) 1950-1976

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	3.2	5.2	8.0	7.6	10.0	.8	1.6	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	5
6-7	.0	5.6	6.8	8.4	5.6	5.2	4.8	1.2	4.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	106	7
7-9	.0	.8	.8	.8	2.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
10-11	.0	.0	.0	.0	.4	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	11
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3	14
INDET	4.0	2.4	2.0	2.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	3
TOTAL	18	35	44	49	50	17	16	4	10	3	0	2	1	0	0	0	0	0	0	0	249	6
PCT	7.2	14.1	17.7	19.7	20.1	6.8	6.4	1.6	4.0	1.2	.0	.8	.4	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976

AREA 0019 SOUTH GEORGIA
34.25 36.24

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	16.0	3.6	4.4	.0	1.8	.0	.0	25.8	1.3	.0	32.4	1.3	2.7	.0	36.4
NE	20.8	3.6	13.1	.0	8.3	.0	.0	42.3	.0	.0	20.8	.0	.0	.0	36.3
E	17.3	6.1	7.1	.0	6.1	.0	2.0	36.7	.0	.0	22.4	.0	.0	.0	40.8
SE	1.9	.0	1.9	.0	15.4	.0	3.8	23.1	.0	.0	19.2	.0	.0	.0	57.7
S	7.4	6.6	3.3	.0	13.1	.0	.0	24.6	3.3	.0	1.6	.0	.0	.0	70.5
SW	5.7	7.2	1.6	.0	12.9	.0	1.0	24.5	.0	.0	3.2	.0	.9	.0	69.8
W	4.1	5.3	2.4	.0	5.5	.0	.0	16.7	3.3	.0	10.7	.0	3.8	.7	64.9
NW	12.6	3.6	3.4	.0	7.7	.0	.0	26.5	1.4	.0	17.2	.6	3.1	.0	51.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	29.2	.0	.0	.0	.0	.0	.0	29.2	.0	.0	12.5	.0	.0	.0	38.3
TOT PCT	10.7	4.6	3.6	.0	7.6	.0	.3	25.2	1.5	.0	14.7	.3	2.1	.2	56.0
TOT OBS:	607														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	8.5	4.3	5.0	.0	5.7	.0	.0	22.7	2.1	.0	18.4	.0	1.4	.0	55.3
0600Z	14.5	4.2	1.8	.0	9.7	.0	.6	29.1	1.8	.0	13.3	.6	2.4	.6	52.1
1200Z	11.2	3.9	3.3	.0	5.9	.0	.7	24.3	1.3	.0	13.0	.0	2.6	.0	57.9
1800Z	10.8	7.2	4.1	.0	6.7	.0	.0	26.2	.5	.0	16.4	.5	2.1	.0	54.4
TOT PCT	11.3	5.1	3.5	.0	7.0	.0	.3	25.7	1.4	.0	15.5	.3	2.1	.2	54.8
TOT OBS:	653														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47				48+	00	03	06	09	12	15	18
N	.5	4.4	2.0	1.6	.5	.0	8.9	14.2	5.1	12.7	8.9	4.8	6.6	10.4	11.2	12.3
NE	.5	3.0	2.0	.8	.1	.1	6.5	13.0	5.3	3.9	5.5	8.7	9.3	9.0	5.0	5.3
E	.4	2.7	.9	.7	.1	.1	4.8	11.3	5.8	2.9	.4	5.8	7.7	3.0	8.3	6.1
SE	.3	1.1	1.3	.1	.0	.0	2.8	10.3	.5	.0	.8	4.8	2.1	8.2	4.3	2.6
S	.4	2.4	1.5	1.3	.0	.0	5.5	13.2	8.1	2.9	7.2	2.9	5.1	5.2	5.8	2.6
SW	.2	2.2	7.0	4.7	1.5	.0	15.7	20.3	17.7	18.6	16.1	11.5	17.0	12.7	18.0	7.9
W	.3	3.3	9.6	8.8	1.9	.1	24.1	19.0	30.6	21.6	30.1	20.2	23.1	13.4	21.7	26.3
NW	.1	7.0	11.7	7.9	1.3	.0	28.2	17.9	25.0	33.3	26.7	31.7	25.8	35.1	24.8	33.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.5						3.5	.0	2.0	3.9	4.2	9.6	3.2	3.0	2.0	3.5
TOT OBS	43	194	248	164	37	2	688	16.5	99	51	118	52	94	67	150	57
TOT PCT	6.3	28.2	36.0	23.8	5.4	.3	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	2.0	4.0	2.0	.9	.1		8.9	14.2	7.7	7.6	8.2	11.5
NE	1.9	2.7	1.5	.4	.1		6.5	13.0	4.8	6.5	9.2	5.7
E	2.3	1.6	.3	.4	.1		4.8	11.3	4.8	2.1	5.7	6.3
SE	.9	1.6	.3	.1	.0		2.8	10.3	.3	2.1	4.7	3.9
S	2.0	1.6	1.2	.7	.0		5.5	13.2	6.3	5.9	5.1	5.0
SW	1.4	4.3	6.1	3.2	.7		15.7	20.3	18.0	14.7	15.2	15.2
W	2.7	6.8	9.8	4.2	.6		24.1	19.0	27.5	27.1	19.1	22.9
NW	2.2	10.4	11.5	3.9	.2		28.2	17.9	27.8	28.2	29.7	27.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.5						3.5	.0	2.7	5.9	3.1	2.4
TOT OBS	129	226	227	94	12	688		16.5	150	170	161	207
TOT PCT	18.6	32.8	33.0	13.7	1.7		100.0		100.0	100.0	100.0	100.0

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	2.7	4.0	22.0	41.3	24.0	6.0	.0	16.9	100.0	150
0600	5.9	3.5	32.4	30.6	21.8	5.3	.6	15.4	100.0	170
1200	3.1	1.2	28.6	39.1	23.6	3.7	.6	16.7	100.0	161
1800	2.4	2.4	29.0	34.3	25.6	6.3	.0	16.9	100.0	207
TOT	24	19	194	248	164	37	2	16.5		688
PCT	3.5	2.8	28.2	36.0	23.8	5.4	.3	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.5	.4	.8	4.9	7.0	7.0
E	.3	.0	1.7	2.7	7.1	7.1
SE	.0	.0	.4	2.0	7.8	7.8
S	1.0	.6	1.6	2.8	6.1	6.1
SW	2.4	2.7	6.4	6.2	5.8	5.8
W	2.8	2.9	7.3	14.7	6.3	6.3
NW	1.8	2.4	5.5	14.9	6.6	6.6
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.7	.0	1.8	6.7	6.7
TOT OBS	24	27	68	154	273	6.5
TOT PCT	8.8	9.9	24.9	56.4	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	2.8	.0	.4	.6	2.1	1.3	.0	.0	.0	.2	.2	150
NE	1.7	.0	.0	1.0	1.6	1.3	.0	.0	.0	.0	.8	170
E	.3	.3	.0	.8	1.4	1.4	.0	.0	.0	.0	.6	161
SE	.8	.1	.0	.0	.4	.7	.4	.0	.0	.0	.0	207
S	.3	.0	.0	.6	1.4	1.6	.0	.0	.0	.0	2.2	150
SW	1.3	.0	.4	1.0	5.6	3.0	.0	.0	.0	.4	6.0	170
W	4.3	.0	.0	3.2	7.1	4.4	1.0	.4	.0	.0	7.4	161
NW	3.8	.0	.7	2.9	6.9	2.7	.1	.0	.0	.9	6.5	207
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	688
CALM	.7	.0	.0	.0	.4	.7	.0	.0	.0	.0	.7	273
TOT OBS	44	1	4	28	73	47	4	1	0	4	67	273
TOT PCT	16.1	.4	1.5	10.3	26.7	17.2	1.5	.4	.0	1.5	24.5	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)								
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	
>6500	.7	1.1	1.1	1.1	1.1	1.5	1.5	1.5	
>5000	.7	1.5	1.5	1.5	1.5	1.8	1.8	1.8	
>3500	1.8	2.6	2.9	2.9	2.9	3.3	3.3	3.3	
>2000	10.3	18.8	19.5	19.9	19.9	20.2	20.2	20.2	
>1000	19.1	39.3	44.9	46.3	46.7	47.1	47.1	47.1	
>600	20.2	46.0	54.8	56.3	57.0	57.4	57.4	57.4	
>300	20.2	46.7	55.9	57.7	58.5	58.8	58.8	58.8	
>150	20.2	46.7	55.9	57.7	58.8	59.2	59.2	59.2	
>0	20.6	47.8	60.7	64.0	66.2	68.8	74.3	74.3	
TOTAL	56	130	165	174	180	187	202	202	

TOTAL NUMBER OF OBS: 272

PCT FREQ NH <5/8: 25.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.7	3.7	5.4	6.4	5.4	4.4	8.4	10.8	37.0	14.8	297

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976

FEBRUARY

AREA 0019 SOUTH GEORGIA
54.2S 36.2W

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 DBS
<1/2	PCP	.2	.2	.0	.4	.3	.2	.4	2.1	.0	.4	4.0	
	NO PCP	1.3	.6	.4	.4	.1	.2	1.3	1.6	.0	.5	6.4	
	TOT %	1.4	.8	.4	.7	.4	.4	1.6	3.6	.0	.9	10.4	
1/2<1	PCP	.2	.0	.3	*	.0	.5	.4	1.1	.0	.5	3.1	
	NO PCP	.7	.2	.2	.0	.0	.3	.7	1.0	.0	.0	3.1	
	TOT %	.9	.2	.5	*	.0	.8	1.0	2.1	.0	.5	6.1	
1<2	PCP	.6	.5	.4	.1	.0	*	.6	.8	.0	.0	3.1	
	NO PCP	.4	.3	.1	.2	.1	.3	1.6	.9	.0	.0	3.8	
	TOT %	1.0	.8	.4	.3	.1	.4	2.2	1.7	.0	.0	6.8	
2<5	PCP	.7	1.4	.4	*	.1	.9	.9	1.7	.0	.0	6.1	
	NO PCP	.8	.4	.0	.0	.0	1.3	3.6	2.6	.0	.0	8.6	
	TOT %	1.4	1.8	.4	*	.1	2.2	4.5	4.3	.0	.0	14.7	
5<10	PCP	.3	.2	.4	.0	.9	1.8	1.7	1.7	.0	.4	7.7	
	NO PCP	2.8	1.1	.9	.5	1.2	4.6	8.1	10.7	.0	1.8	31.8	
	TOT %	3.1	1.3	1.3	.5	2.1	6.3	9.8	12.4	.0	2.2	39.0	
10+	PCP	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.4	
	NO PCP	.9	1.3	.9	.6	2.7	5.8	5.6	4.1	.0	.7	22.7	
	TOT %	.9	1.3	.9	.6	2.7	6.0	5.6	4.3	.0	.7	23.0	
TOT DBS												556	
TOT PCT		8.9	6.1	4.0	2.2	5.3	16.1	24.7	28.5	.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 DBS
<1/2	0-3	.0	.2	.2	.2	.0	.0	.0	.0	.0	.9	1.4	
	4-10	.8	.1	.2	.2	.0	.0	.8	1.2	.0	.0	3.3	
	11-21	.0	.3	.1	.4	.2	.3	.4	1.3	.0	.0	2.8	
	22+	.6	.2	.0	.0	.2	.1	.4	1.0	.0	.0	2.5	
	TOT %	1.4	.7	.4	.7	.4	.4	1.6	3.6	.0	.9	10.0	
1/2<1	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5		
	4-10	.7	.0	.3	*	.0	.0	.3	.2	.0	.0		
	11-21	.0	.2	.0	.0	.0	.5	.4	1.1	.0	.0		
	22+	.0	.0	.2	.0	.0	.4	.4	.7	.0	.0		
	TOT %	.9	.2	.5	*	.0	.9	1.1	2.1	.0	.5	6.1	
1<2	0-3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	4-10	.3	.3	.0	.2	.0	.2	.6	.3	.0	.0	1.8	
	11-21	.4	.1	.0	.0	.0	.4	.3	.6	.0	.0	1.8	
	22+	.1	.2	.4	.1	.1	.2	1.2	.8	.0	.0	3.2	
	TOT %	1.0	.8	.4	.3	.1	.7	2.1	1.7	.0	.0	7.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	4-10	.2	.5	.0	.0	.1	.7	.8	.3	.0	.0	2.6	
	11-21	.4	.8	.1	*	.0	.6	1.5	1.6	.0	.0	5.3	
	22+	.8	.4	.3	.0	.0	.8	2.1	1.9	.0	.0	6.3	
	TOT %	1.4	1.8	.4	*	.1	2.1	4.3	4.2	.0	.0	14.4	
5<10	0-3	.0	.0	.0	.0	.1	*	.2	.0	.0	2.1	2.5	
	4-10	1.6	.9	1.1	.4	.8	.2	1.9	3.2	.0	.0	10.2	
	11-21	1.1	.3	.2	.4	.6	2.5	3.6	5.2	.0	.0	13.9	
	22+	.5	.1	.1	.0	.5	3.5	3.9	3.7	.0	.0	12.3	
	TOT %	3.2	1.3	1.4	.9	2.0	6.2	9.6	12.1	.0	2.1	38.8	
10+	0-3	.0	.0	.0	.0	.2	.0	.2	.0	.0	.7	1.1	
	4-10	.7	1.0	1.0	.4	1.3	1.1	.8	1.4	.0	.0	7.5	
	11-21	.3	.3	.3	.6	.9	3.1	3.2	1.9	.0	.0	10.5	
	22+	.0	.0	.0	.0	.7	1.7	1.2	1.0	.0	.0	4.6	
	TOT %	.9	1.3	1.2	1.0	3.1	5.8	5.4	4.2	.0	.7	23.7	
TOT DBS												570	
TOT PCT		8.7	6.1	4.4	2.9	5.7	16.1	24.2	27.8	.0	4.2	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976

AREA 0019 SOUTH GEORGIA
54.25 36.24

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8	TOTAL
(GMT)	149	299	599	999	1999	3499	4999	6499	7999			ANY HGT	OBS
00003	21.9	.0	3.1	6.3	28.1	9.4	1.6	.0	.0	.0	70.3	29.7	64
06009	19.3	.0	.0	12.3	26.3	12.3	.0	.0	.0	.0	70.2	29.8	57
12015	7.6	.0	1.3	11.4	25.3	22.8	2.5	.0	.0	3.8	74.7	25.3	79
18021	17.3	1.2	1.2	9.9	25.5	19.8	1.2	1.2	.0	1.2	79.0	21.0	81
TOT	45	1	4	28	74	47	4	1	0	4	208	73	281
PCT	16.0	.4	1.4	10.0	26.3	16.7	1.4	.4	.0	1.4	74.0	26.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL
(GMT)							OBS
00003	13.9	5.8	6.6	13.9	34.3	25.5	137
06009	11.9	4.4	9.4	13.8	45.0	15.6	160
12015	5.7	6.4	4.3	10.6	40.4	32.6	141
18021	9.0	7.9	7.9	15.3	36.2	23.7	177
TOT	62	38	44	83	240	148	615
PCT	10.1	6.2	7.2	13.5	39.0	24.1	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<5000	<1	<5	AND 5+	AND 5+	OBS
00003	21.0	24.2	40.3	32.3	27.4	62
06009	16.4	18.2	40.0	34.5	25.5	55
12015	7.6	11.4	27.8	46.8	25.3	79
18021	17.1	19.7	39.5	40.8	19.7	76
TOT	41	49	99	107	66	272
PCT	15.1	18.0	36.4	39.3	24.3	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	PCT
									OBS	FREQ
60/64	.0	.0	.3	.0	.0	.0	.0	.0	1	.3
55/59	.0	.0	.0	.3	.3	.6	.0	.0	4	1.1
50/54	.0	.0	.0	.0	.3	.9	.9	1.7	13	3.7
45/49	.0	.0	.3	.6	1.4	1.1	2.6	.3	22	6.3
40/44	.0	.0	.0	.3	1.4	3.4	6.3	10.2	76	21.6
35/39	.0	.0	.0	.0	.9	4.0	11.9	44.0	214	60.8
30/34	.0	.0	.0	.0	.0	1.1	2.0	2.6	20	5.7
25/29	.0	.0	.0	.0	.0	.3	.3	.3	2	.6
TOTAL	.0	.0	.2	.4	15	39	84	208	352	100.0
PCT	.0	.0	.6	1.1	4.3	11.1	23.9	59.1		

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	.3	.0	.0
.0	.0	.0	.0	.0	.0	.3	.9	.0	.0
.0	.0	.0	.0	.1	.4	1.1	2.0	.0	.0
.7	.0	.0	.1	.4	.0	.6	3.8	.0	.6
1.3	2.5	.4	.9	.9	1.4	3.9	8.5	.0	2.0
5.1	3.4	2.7	1.6	3.6	12.3	15.8	15.5	.0	.9
.3	.3	.3	.3	.5	.8	.6	2.7	.0	.0
.0	.0	.0	.0	.0	.0	.0	.3	.0	.3
7.4	6.2	3.3	2.8	5.5	14.9	22.3	33.9	.0	3.7

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	55	49	45	38	35	31	30	38.9	177
06009	56	54	45	38	33	30	28	38.7	207
12015	60	52	47	39	35	33	32	39.7	198
18021	58	54	48	39	34	32	29	39.8	254
TOT	60	54	46	39	34	31	28	39.3	836

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	2.5	1.3	10.1	24.1	62.0	89	79		
06009	.0	.9	1.8	9.1	23.6	64.5	89	110		
12015	.0	3.7	4.9	12.2	20.7	58.5	88	82		
18021	.0	1.6	6.5	9.7	26.6	53.6	87	124		
TOT	0	8	15	40	95	237	88	395		

FEBRUARY

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976

AREA 0019 SOUTH GEORGIA
54.2S 36.2W

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	29	33	37	41	45	49	53	57	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
11/13	.0	.0	.0	.0	.4	.6	.0	.0	5	.2	.8
9/10	.0	.0	.0	.2	.2	.6	.2	.0	6	.0	1.2
7/8	.0	.0	.0	.2	.6	.2	.0	.0	5	.0	1.0
6	.0	.0	.0	.2	.8	.0	.0	.0	5	.0	1.0
5	.0	.0	.4	3.2	.6	.0	.0	.0	21	.4	3.8
4	.0	.2	.6	4.2	.6	.2	.0	.0	29	.6	5.2
3	.0	.0	3.4	5.6	.0	.0	.0	.0	45	1.4	7.6
2	.0	.8	7.2	4.8	.0	.0	.0	.0	64	3.0	9.7
1	.6	2.6	11.1	4.2	.4	.0	.0	.0	95	2.6	16.3
0	.8	2.2	13.7	1.2	.4	.0	.0	.0	92	1.8	16.5
-1	.2	2.4	9.7	.4	.2	.0	.0	.0	65	1.4	11.9
-2	.2	2.6	3.8	.0	.0	.0	.0	.0	33	1.0	5.6
-3	.0	2.4	1.4	.0	.0	.0	.0	.0	19	.6	3.2
-4	.0	1.4	.2	.0	.0	.0	.0	.0	8	.2	1.4
-5	.0	.6	.2	.0	.0	.0	.0	.0	4	.4	.4
-6	.2	.2	.0	.0	.0	.0	.0	.0	2	.0	.4
-7/+8	.6	.0	.0	.0	.0	.0	.0	.0	3	.6	.0
-11/+13	.0	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	13	77	261	121	21	8	1	1	503	71	432
PCT	2.6	15.3	51.9	24.1	4.2	1.6	.2	.2	100.0	14.1	85.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
41	.0	.5	.0	.0	.0	.0	.5	.0	.7	.0	.0	.0	.0	.0	.7	
1-2	.0	1.9	.5	.0	.0	.0	2.5	.0	1.9	.0	.0	.0	.0	.0	1.9	
3-4	.0	.4	.0	.0	.0	.0	.4	.0	1.2	1.6	.0	.0	.0	.0	2.9	
5-6	.0	.5	1.0	.0	.0	.0	1.5	.0	.0	.1	.0	.0	.0	.0	.1	
7	.0	.0	.0	.4	.0	.0	.4	.0	.0	1.1	.0	.0	.0	.0	1.1	
8-9	.0	.0	.4	.8	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.5	
13-16	.0	.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	.5	.0	.0	.0	.5	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.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	.0	
41-48	.0	.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	.0	
61-70	.0	.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	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.4	1.9	1.6	.4	.0	7.4	.0	3.8	3.4	.7	.0	.0	.0	7.9	

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
41	.0	1.9	.0	.0	.0	.0	1.9	.0	.7	.0	.0	.0	.0	.0	.7	
1-2	.0	2.0	.0	.0	.0	.0	2.0	.0	1.1	.0	.0	.0	.0	.0	1.1	
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.0	.1	
5-6	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.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	.0	
12	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.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	.0	
20-22	.0	.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	.0	
26-32	.0	.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	.0	
41-48	.0	.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	.0	
61-70	.0	.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	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.0	.8	1.1	.0	.0	5.9	.0	1.8	.1	.0	.0	.0	.0	1.9	

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.6	.0	.0	.0	.0	1.6	.0	1.6	.0	.0	.0	.0	1.6
1-2	.0	1.5	.0	.0	.0	.0	1.5	.0	1.2	2.2	.0	.0	.0	3.4
3-4	.0	1.8	1.4	.0	.0	.0	2.2	.0	1.0	2.6	.5	.0	.0	4.1
5-6	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	3.7	.5	.0	.0	4.2
7	.0	.0	.0	.4	.0	.0	.4	.0	.0	1.1	.7	.0	.0	1.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.3
10-11	.0	.0	.0	.5	.0	.0	.5	.0	.0	.5	.5	.0	.0	1.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.4	.0	.0	.4	.0	.0	1.4	.0	.0	.0	1.4
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.0	1.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5
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	4.0	2.5	1.4	.0	.0	7.8	.0	3.8	10.2	4.5	1.6	.0	20.2

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.5	.0	.0	.0	.0	.0	.5	.0	1.1	.0	.0	.0	.0	1.1
1-2	.0	1.5	.0	.0	.0	.0	1.5	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	1.5	2.2	.0	.0	.0	3.7	.0	1.6	2.0	.0	.0	.0	3.7
5-6	.0	.4	4.5	.5	.0	.0	5.5	.0	.1	1.8	1.1	.0	.0	3.0
7	.0	.0	3.7	.5	.0	.0	4.2	.0	.0	5.1	1.2	.5	.0	6.8
8-9	.0	.0	1.6	1.4	.0	.0	3.0	.0	.0	.1	1.4	.0	.0	1.5
10-11	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.4	.5	.5	.0	1.5	.0	.0	.0	.5	.0	.0	.5
13-16	.0	.0	.0	2.0	.4	.0	2.5	.0	.0	.0	1.6	.1	.0	1.8
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.1	.0	.0	1.6
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	.1	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.5	.5	.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	3.4	12.4	5.6	1.0	.5	23.5	.0	5.9	9.0	7.0	.8	.0	22.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.3	8.2	.0	.0	.0	.0	.0	11.5
1-2	.0	13.7	2.7	.0	.0	.0	.0	16.4
3-4	.0	6.6	10.4	.5	.0	.0	.0	17.5
5-6	.0	1.1	12.6	2.2	.0	.0	.0	15.8
7	.0	.0	10.9	3.8	.5	.0	.0	15.2
8-9	.0	.0	2.2	3.8	.0	.0	.0	6.0
10-11	.0	.0	.5	2.2	.0	.0	.0	2.7
12	.0	.0	1.1	1.6	.5	.0	.0	3.3
13-16	.0	.0	.0	5.9	.5	.0	.0	6.0
17-19	.0	.5	.0	2.2	.5	.0	.0	3.2
20-22	.0	.0	.0	.0	.5	.0	.0	.9
23-25	.0	.0	.0	.0	1.1	.0	.0	1.1
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.5	.5	.5
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	3.3	30.1	40.4	21.9	3.8	.5	100.0	183

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	.0	1.9	3.3	5.2	5.7	5.2	1.4	1.4	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	4
8-9	.0	.5	.0	.5	1.4	.5	1.4	2.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	7
10-11	.0	1.4	.0	.0	.0	.5	.9	.0	.9	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	20	10
12-13	.0	.0	1.9	.0	1.4	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	12
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
INDET	3.3	3.8	.0	1.4	4.2	3.8	2.8	.9	3.3	1.4	1.4	.9	.0	.5	.0	.0	.0	.0	.0	.0	59	9
TOTAL	10	26	30	34	34	22	14	11	17	7	3	2	0	1	1	0	0	0	0	0	212	7
PCT	4.7	12.3	14.2	16.0	16.0	10.4	6.6	5.2	8.0	3.3	1.4	.9	.0	.5	.5	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1926-1976
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	14.3	1.5	6.0	.0	13.2	.0	.0	35.0	.0	.0	12.4	.0	.0	.0	52.6
NE	12.4	.0	3.5	.0	20.4	.0	.0	29.2	.0	.0	19.2	.0	.0	.0	51.3
E	11.2	.0	5.6	.0	12.1	.0	.0	25.2	.0	.0	18.7	.0	.0	.0	56.1
SE	3.8	1.9	.9	.0	29.9	.0	.0	36.5	.0	3.8	3.8	.0	.0	.0	55.9
S	5.8	1.3	.0	.0	15.4	.0	2.6	25.0	.0	.0	10.3	.0	.0	.0	64.7
SW	9.6	5.2	.0	.0	17.2	.0	3.2	34.3	.0	.0	4.8	.0	.8	.0	60.1
W	10.5	2.8	2.4	.0	12.6	.0	.4	27.4	.6	.0	10.5	.0	1.4	.0	60.2
NW	17.6	4.8	1.1	.0	15.1	.0	.3	37.5	.1	.0	13.4	.0	.1	.0	48.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.4	1.1	1.1	.0	12.6	.0	.0	21.1	.0	.0	13.7	.0	.0	.0	65.3
TOT PCT	11.4	3.0	1.8	.0	15.7	.0	.8	31.4	.1	.3	11.0	.0	.4	.0	56.8
TOT OBS:	739														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	14.4	3.0	2.4	.0	15.6	.0	.0	32.9	.5	.6	12.0	.0	.0	.0	53.9
0600	12.5	2.7	.9	.0	18.8	.0	.0	33.9	.0	.4	11.2	.0	.0	.0	54.5
1200	10.8	1.2	1.8	.6	11.4	.0	1.2	25.9	.0	.0	13.9	.0	.6	.0	59.6
1800	8.9	3.6	1.6	.0	13.0	.0	1.6	28.3	.0	.0	10.1	.0	.8	.0	60.7
TOT PCT	11.4	2.7	1.6	.1	14.8	.0	.7	30.3	.1	.2	11.6	.0	.4	.0	57.3
TOT OBS:	804														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.6	3.4	3.0	1.5	.1	.0	8.7	13.7	14.4	4.2	9.2	7.9	7.7	11.1	9.7	1.9
NE	.3	1.2	1.8	.4	.0	.0	3.7	13.5	5.6	2.1	5.6	1.4	3.8	2.2	2.4	6.3
E	1.2	1.0	1.7	.1	.0	.0	3.9	9.8	2.1	4.9	3.7	3.6	5.5	3.3	3.8	4.4
SE	.3	3.5	2.1	1.4	.0	.0	7.3	13.2	7.7	7.6	6.2	3.6	5.5	10.6	7.2	10.8
S	.0	2.1	1.6	1.6	.2	.0	5.4	16.6	7.4	4.2	4.6	5.7	8.2	3.3	6.8	1.9
SW	.0	3.0	6.2	4.3	2.1	.0	17.6	19.4	16.8	16.0	17.1	15.0	22.8	15.0	18.8	17.7
W	.0	3.2	8.3	4.5	1.0	.2	17.2	19.0	19.7	16.0	16.7	11.8	20.3	14.4	19.7	15.2
NW	.5	7.1	9.5	5.0	1.7	*	23.8	17.1	16.8	25.7	23.6	31.1	15.1	26.7	25.1	27.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.4						12.4	.0	9.6	19.4	13.4	20.0	11.0	13.3	6.5	13.9
TOT OBS	123	214	276	152	41	2	808	14.7	94	72	142	70	91	90	170	79
TOT PCT	15.2	26.5	34.2	18.8	5.1	.2	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	06	12
N	1.9	3.8	2.3	.6	.0	8.7	13.7	9.9	8.7	9.4	7.2	
NE	.7	1.6	1.1	.3	.0	3.7	13.5	4.1	4.2	3.0	3.6	
E	1.6	1.3	1.0	.0	.0	3.9	9.8	2.3	3.7	4.4	4.0	
SE	1.5	3.3	2.1	.4	.0	7.3	13.2	7.7	5.3	8.0	8.3	
S	.9	1.9	1.6	1.0	.0	5.4	16.6	6.0	5.0	5.8	5.2	
SW	2.1	5.7	6.0	3.0	.9	17.6	19.4	16.4	16.4	18.9	18.5	
W	.7	7.1	6.8	1.9	.6	17.2	19.0	18.1	15.1	17.4	18.3	
NW	2.0	10.4	8.2	2.8	.3	23.8	17.1	20.6	26.1	20.9	26.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.4					12.4	.0	13.9	15.6	12.2	8.8	
TOT OBS	193	265	236	81	15	808	14.7	166	212	181	249	
TOT PCT	23.9	35.0	29.2	10.0	1.9	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	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	13.9	1.2	24.7	33.7	22.3	4.2	.0	14.6	100.0	166
0600	15.6	2.8	24.5	31.1	21.7	3.8	.5	14.2	100.0	212
1200	12.2	3.0	26.5	32.0	20.4	3.9	.0	14.6	100.0	181
1800	8.8	2.4	29.3	38.6	12.9	7.6	.4	13.1	100.0	249
TOT	100	23	214	276	152	41	2	14.7		808
PCT	12.4	2.8	26.5	34.2	18.8	5.1	.2	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & TOTAL		MEAN CLOUD COVER
				OBSCD	OBS	
N	.7	.4	1.9	9.7		7.1
NE	.7	.4	1.2	2.1		3.8
E	.0	.3	.6	1.7		7.0
SE	.0	.8	.7	4.5		7.1
S	.7	2.3	2.9	2.8		3.7
SW	1.0	2.9	7.6	9.0		6.3
W	1.6	3.6	7.4	7.3		6.1
NW	.4	1.8	5.4	3.8		6.8
VAR	.0	.0	.0	.0		.0
CALM	1.1	.7	1.1	5.1		6.2
TOT OBS	17	36	79	141	273	6.4
TOT PCT	6.2	13.2	28.9	51.6	100.0	

TABLE 6

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

WIND DIR	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)											NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+	9999		
N	1.9	.3	.3	1.6	3.0	1.0	.0	.4	.0	.7	3.1		
NE	1.1	.1	.0	.6	.7	.7	.0	.0	.0	.0	1.1		
E	.4	.0	.0	.6	.5	.0	.0	.0	.0	.0	.8		
SE	.4	.0	.0	.7	2.0	1.1	.1	.0	.0	.0	1.7		
S	.0	.0	.0	1.0	2.6	.9	.4	.0	.4	.0	3.6		
SW	1.5	.0	.0	.5	7.1	2.1	.7	.0	.0	.5	8.1		
W	2.8	.0	.0	2.3	5.3	1.7	.3	.0	.0	.3	7.1		
NW	1.8	.0	.8	3.2	4.3	2.3	.5	.0	.0	.7	3.8		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	1.8	.4	.4	.0	1.1	1.5	.0	.0	.0	.7	2.2		
TOT OBS	32	2	4	29	73	31	6	1	1	8	86	273	
TOT PCT	11.7	.7	1.5	10.6	26.7	11.4	2.2	.4	.4	2.9	31.5	100.0	

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
>5000	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6
>3500	4.0	5.8	5.8	5.8	5.8	5.8	5.8	5.8
>2000	11.6	17.5	17.5	17.5	17.8	17.8	17.8	17.8
>1000	16.7	36.7	40.7	42.2	42.9	44.0	44.0	44.0
>400	19.3	42.5	50.2	52.7	53.8	54.9	54.9	54.9
>300	19.3	43.3	50.9	53.8	54.9	56.4	56.4	56.4
>150	19.3	43.3	51.3	54.2	55.3	56.7	57.1	57.1
>0	19.6	44.7	56.7	60.7	63.6	67.3	68.0	68.0
TOTAL	54	123	156	167	175	185	187	187

TOTAL NUMBER OF OBS: 275

PCT FREQ NH <5/8: 32.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.1	1.4	8.8	10.9	6.8	6.8	9.5	10.9	32.7	9.2	294

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TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.4	.2	.1	.0	.0	*	.1	.9	.0	.8	2.7	
	NO PCP	.8	.1	.0	.1	.4	.1	.9	1.7	.0	.3	4.3	
	TOT %	1.2	.4	.1	.1	.4	.2	1.0	2.6	.0	1.1	7.0	
1/2<1	PCP	.1	.0	.1	.1	.0	.6	.4	.9	.0	.4	2.5	
	NO PCP	.1	.1	.6	.1	.1	.1	.5	.8	.0	.3	2.7	
	TOT %	.2	.1	.6	.1	.1	.7	.8	1.7	.0	.7	5.2	
1<2	PCP	.4	.1	.2	.5	.0	.6	1.0	1.5	.0	.3	4.6	
	NO PCP	.3	.0	.1	.3	.1	.3	.8	.6	.0	2.2	4.6	
	TOT %	.7	.1	.4	.8	.1	.9	1.8	2.0	.0	2.5	9.2	
2<5	PCP	.8	.4	.2	.3	.2	.7	1.1	1.7	.0	.4	5.9	
	NO PCP	.5	.1	.4	.5	.4	.8	1.3	1.1	.0	1.7	6.9	
	TOT %	1.3	.6	.6	.8	.7	1.6	2.4	2.8	.0	2.1	12.8	
5<10	PCP	1.1	.1	.2	1.7	1.0	4.1	2.2	3.9	.0	1.0	15.3	
	NO PCP	2.1	.8	.7	1.3	1.1	5.3	3.6	6.6	.0	3.2	24.7	
	TOT %	3.2	.9	.9	3.0	2.1	9.4	5.8	10.6	.0	4.2	40.0	
10+	PCP	.1	.0	.0	.1	.0	.0	.1	*	.0	.0	.4	
	NO PCP	2.2	1.2	1.0	2.3	2.0	4.3	5.6	4.6	.0	2.0	25.4	
	TOT %	2.4	1.2	1.0	2.5	2.0	4.3	5.8	4.7	.0	2.0	25.8	
TOT OBS												713	
TOT PCT		9.0	3.3	3.6	7.3	5.3	17.0	17.6	24.3	.0	12.6	100.0	

TABLE 9

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

VISBY (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	1.1	1.2	
	4-10	.3	.2	.0	.1	.3	.1	.4	.9	.0	.0	2.3	
	11-21	.2	.0	.0	.0	.0	.0	.3	1.0	.0	.0	1.5	
	22+	.7	.2	.0	.0	.0	*	.2	.8	.0	.0	1.9	
	TOT %	1.2	.3	.1	.1	.3	.2	1.0	2.7	.0	1.1	7.0	
1/2<1	0-3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.7	1.0	
	4-10	.1	.1	.1	.1	.1	.1	.1	.8	.0	.0	1.5	
	11-21	.1	.0	.2	.1	.1	.4	.4	.7	.0	.0	1.9	
	22+	.1	.0	.0	.0	.0	.1	.2	.2	.0	.0	.7	
	TOT %	.2	.1	.6	.1	.1	.7	.8	1.7	.0	.7	5.1	
1<2	0-3	.3	.0	.1	.0	.0	.0	.0	.4	.0	2.5	3.3	
	4-10	.2	.1	.1	.3	.0	.3	.3	.5	.0	.0	1.9	
	11-21	.1	.0	.1	.3	.0	.5	.8	.7	.0	.0	2.5	
	22+	.1	.0	.0	.0	.1	.1	.7	.6	.0	.0	1.5	
	TOT %	.7	.1	.3	.8	.1	.9	1.8	2.1	.0	2.5	9.3	
2<5	0-3	.0	.0	.3	.1	.0	.0	.0	.1	.0	2.1	2.6	
	4-10	.6	.2	.1	.4	.0	.2	.5	.5	.0	.0	2.5	
	11-21	.5	.4	.1	.1	.2	1.0	1.5	1.1	.0	.0	5.0	
	22+	.2	.0	.0	.1	.4	.4	.4	1.1	.0	.0	2.6	
	TOT %	1.3	.6	.6	.8	.7	1.6	2.4	2.8	.0	2.1	12.7	
5<10	0-3	.3	.0	.1	.0	.0	.0	.0	.0	.0	4.1	4.6	
	4-10	1.0	.3	.3	1.3	.8	2.7	.6	3.2	.0	.0	10.4	
	11-21	1.1	.5	.3	1.0	.7	3.1	2.1	3.9	.0	.0	12.8	
	22+	.7	.0	.1	.6	.5	3.8	3.1	3.2	.0	.0	12.0	
	TOT %	3.1	.9	.9	3.0	2.0	9.5	5.9	10.4	.0	4.1	39.8	
10+	0-3	.0	.3	.3	.1	.0	.0	.0	.0	.0	1.9	2.6	
	4-10	.9	.2	.3	1.1	.5	1.0	1.4	1.7	.0	.0	7.0	
	11-21	1.4	.6	.7	.7	.5	1.1	2.9	2.1	.0	.0	9.9	
	22+	.0	.1	.0	.6	1.0	2.3	1.5	1.0	.0	.0	6.5	
	TOT %	2.3	1.2	1.3	2.5	2.0	4.4	5.8	4.7	.0	1.9	26.1	
TOT OBS												724	
TOT PCT		8.8	3.3	3.9	7.1	5.2	17.2	17.6	24.4	.0	12.4	100.0	

MARCH

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1926-1976

AREA 0019 SOUTH GEORGIA
54.15 36.3W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00Z03	14.9	.0	.0	7.7	26.2	9.2	.0	.0	.0	1.5	63.1	36.9	65
06Z09	17.6	.0	.0	11.8	29.4	5.9	.0	.0	.0	2.0	66.7	33.3	51
12Z15	7.4	2.5	3.7	8.6	22.2	16.0	6.2	.0	1.2	1.2	69.1	30.9	81
18Z21	6.0	.0	1.2	14.3	27.4	13.1	1.2	1.2	.0	6.0	70.2	29.8	84
TOT	32	2	4	30	73	33	6	1	1	8	190	91	281
PCT	11.4	.7	1.4	10.7	26.0	11.7	2.1	.4	.4	2.8	67.6	32.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00Z03	6.9	6.9	8.2	12.6	40.3	25.2	159
06Z09	9.9	5.8	10.3	14.8	40.8	18.4	223
12Z15	8.5	3.7	6.7	10.4	38.4	32.3	164
18Z21	5.0	4.6	9.5	10.4	42.7	27.8	241
TOT	59	41	70	95	321	201	787
PCT	7.5	5.2	8.9	12.1	40.8	25.5	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00Z03	17.7	21.0	29.0	35.5	35.5	62
06Z09	18.4	20.4	42.9	26.5	30.6	49
12Z15	7.4	16.0	32.1	38.3	29.6	81
18Z21	4.8	7.2	30.1	42.2	27.7	83
TOT	30	42	90	101	84	275
PCT	10.9	15.3	32.7	36.7	30.5	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
43/49	.0	.0	.0	.9	7.6	2.8	1.2	.5	34	8.0
40/44	.0	.0	.0	.0	3.8	5.0	9.9	11.6	128	30.2
39/39	.0	.0	.5	.9	3.8	9.4	9.2	26.4	213	50.2
30/34	.0	.0	.0	.0	.2	2.4	3.8	4.5	46	10.8
25/29	.0	.0	.0	.0	.0	.2	.0	.5	3	.7
TOTAL	0	0	2	8	44	84	102	184	424	100.0
PCT	.0	.0	.5	1.9	10.4	19.8	24.1	43.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
43/49	.2	.2	.0	.2	.0	1.2	1.7	4.1	.0	.2
40/44	3.1	.5	.3	.9	1.7	4.0	6.7	11.6	.0	2.4
39/39	3.1	2.9	1.2	4.0	2.4	9.2	10.6	13.5	.0	3.3
30/34	.7	.3	.2	2.4	.9	2.8	.7	1.4	.0	1.4
25/29	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0
TOTAL	7.1	4.0	1.7	7.5	4.1	17.9	19.7	30.7	.0	7.3

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00Z03	49	45	43	38	32	28	26	37.7	180
06Z09	50	46	44	37	31	26	24	37.3	245
12Z15	50	49	47	38	34	32	30	39.1	202
18Z21	49	47	45	38	33	31	28	38.5	288
TOT	50	48	45	38	32	29	24	38.2	915

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00Z03	.0	3.3	13.2	15.4	23.1	45.1	84	91		
06Z09	.0	2.8	9.9	15.6	23.4	48.2	85	141		
12Z15	.0	3.1	8.3	27.1	24.0	37.5	84	96		
18Z21	.0	2.5	13.4	20.4	26.8	36.9	83	157		
TOT	0	14	55	94	119	203	84	485		

MARCH

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1926-1976

TABLE 17

AREA 0019 SOUTH GEORGIA
54.15 36.3W

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	25 28	29 32	33 36	37 40	41 44	45 48	49 52	TCT FOG	N FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
9/10	.0	.0	.0	.0	.0	.2	.4	3	.0	.6
7/8	.0	.0	.0	.0	.2	.2	.0	2	.0	.4
6	.0	.0	.0	.2	.4	.2	.0	4	.0	.8
5	.0	.0	.0	.6	.6	1.0	.0	11	.0	2.1
4	.0	.0	.0	1.0	2.7	.0	.0	19	.4	3.3
3	.0	.0	.2	1.6	4.7	.2	.0	34	.8	5.8
2	.0	.0	.4	3.2	5.0	.0	.0	55	2.5	8.1
1	.0	.4	.4	9.7	4.7	.0	.0	78	4.5	10.7
0	.0	.2	1.4	11.0	1.4	.0	.0	72	2.3	11.6
-1	.4	.2	2.7	14.1	.4	.0	.0	92	1.0	16.9
-2	.0	.2	3.1	4.8	.0	.0	.0	42	.8	7.4
-3	.0	.4	3.6	1.9	.0	.0	.0	41	.2	7.8
-4	.0	.0	3.9	.6	.2	.0	.0	24	.0	4.7
-5	.0	1.2	2.9	.0	.0	.0	.0	21	.0	4.1
-6	.0	1.6	.6	.2	.0	.0	.0	12	.0	2.3
-7/-8	.0	.2	.6	.0	.0	.0	.0	4	.0	.8
-9/-10	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2		112		104		3		516	452
PCT	.4	4.5	21.7	31.0	20.2	1.7	.6	100.0	12.4	87.6

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.3	.0	.0	.0	.0	1.3	.5	.6	.0	.0	.0	.0	.0	1.0
1-2	.0	2.9	.5	.0	.0	.0	3.3	.9	.8	.1	.0	.0	.0	.0	1.4
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.1	.5	.0	.0	.0	.0	.6
5-6	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	.5	.0	.0	.0	.0	.5
7	.0	.5	.8	.0	.0	.0	1.3	.0	.0	.6	.5	.0	.0	.0	1.0
8-9	.0	.5	1.3	.3	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	6.6	1.0	.0	.0	12.7	.9	1.5	1.6	.5	.0	.0	.0	4.5

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5
1-2	.0	1.5	.7	.0	.0	.0	2.2	.0	1.3	.1	.0	.0	.0	.0	1.4
3-4	.0	.7	.9	.0	.0	.0	1.6	.0	.1	.5	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4
8-9	.0	.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	.5	.0	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5
13-16	.0	.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	.5	.0	.0	.0	.5
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	1.6	.0	.0	.0	3.8	.0	2.8	2.9	1.4	.0	.0	.0	7.0

TABLE 18 (CONT)

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

HGT	S							SW							PCT
	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	.9	.0	.0	.0	.0	.9	.0	.5	.0	.0	.0	.0	.5	
1-2	.0	.3	.8	.0	.0	.0	1.2	.0	1.2	.2	.0	.0	.0	1.4	
3-4	.0	.3	.0	.5	.0	.0	.8	.0	.8	.9	.0	.0	.0	1.7	
5-6	.0	.5	2.2	.0	.0	.0	2.6	.0	.9	.6	.1	.0	.0	1.6	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.6	.0	.0	2.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	1.4	
10-11	.0	.0	.5	1.3	.0	.0	1.7	.0	.0	.1	1.0	.0	.0	1.2	
12	.0	.0	.0	.0	.5	.0	.5	.0	.0	.5	.5	.5	.0	1.4	
13-16	.0	.0	.0	.5	.0	.0	.5	.0	.0	.5	1.4	.0	.0	1.8	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.0	.0	1.5	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.9	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	
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	2.1	3.5	2.2	.5	.0	8.2	.0	3.3	5.1	5.5	2.9	.0	16.8	

HGT	W							NW							PCT	TOTAL PCT
	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	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0		
1-2	.0	1.3	2.1	.0	.0	.0	3.3	.0	.5	2.8	.1	.0	.0	3.3		
3-4	.0	.7	2.8	.5	.0	.0	3.9	.0	.0	1.4	.9	.0	.0	2.3		
5-6	.0	.0	2.6	.8	.0	.0	3.5	.0	.0	3.5	.5	.0	.0	3.9		
7	.0	.0	1.4	.7	.3	.0	2.4	.0	.0	1.4	.5	.1	.0	2.0		
8-9	.0	.0	.0	1.2	.0	.0	2.1	.0	.0	.6	1.7	.0	.0	2.3		
10-11	.0	.0	.8	1.3	.0	.0	2.1	.0	.0	.5	.6	.0	.0	1.0		
12	.0	.0	.0	.5	.0	.0	.5	.0	.0	.9	.0	.0	.0	.9		
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.7	.0	.0	.7		
17-19	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.7	.5	.0	1.2		
20-22	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.5	.0	.5		
23-25	.0	.0	.0	.0	.5	.5	.9	.0	.0	.0	.0	.5	.0	.5		
26-32	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.1	.1		
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	2.9	10.6	6.5	1.2	.8	21.9	.0	.5	4.1	7.8	4.6	1.5	18.7		

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.9	4.6	.0	.0	.0	.0	11.5	
1-2	.9	12.4	4.6	.0	.0	.0	17.9	
3-4	.0	4.1	7.8	.9	.0	.0	12.8	
5-6	.0	2.3	11.9	1.4	.0	.0	15.6	
7	.0	.5	6.4	3.2	.5	.0	10.6	
8-9	.0	.5	4.1	3.2	.0	.0	7.8	
10-11	.0	.0	2.3	4.6	.0	.0	6.9	
12	.0	.0	1.8	1.4	.9	.0	4.1	
13-16	.0	.0	.5	3.2	.0	.0	3.7	
17-19	.0	.0	.0	3.2	.5	.0	3.7	
20-22	.0	.0	.0	.5	1.8	.0	2.3	
23-25	.0	.0	.0	.0	1.8	.5	2.3	
26-32	.0	.0	.0	.0	.5	.5	.9	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	24.3	39.4	21.6	6.0	.9	100.0	218

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
66	3.8	5.4	4.6	6.7	6.7	5.4	4.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	5
6-7	.0	.8	2.1	6.3	2.1	2.5	2.5	1.7	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	7
8-9	.0	.0	1.7	1.3	.8	1.3	1.7	.0	.8	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	22	10
10-11	.0	.0	.4	.0	.4	.8	.0	.4	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	11
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2	26
513	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	5.0	3.8	.8	.8	.8	1.3	1.7	3.3	4.2	3.8	1.7	1.7	.4	.0	.0	.0	.0	.0	.0	70	10
TOTAL PCT	21	24	23	36	26	27	25	14	17	14	5	5	2	1	.0	.0	.0	.0	.0	240	8

APRIL

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976

AREA 0019 SOUTH GEORGIA
34.15 36.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	17.4	4.3	9.4	.0	7.2	.0	.0	32.6	.0	.0	20.3	.0	.0	.0	47.1
NE	26.7	4.4	.0	.0	8.9	.0	.0	31.1	.0	.0	31.1	.0	.0	.0	37.6
E	11.3	3.8	3.8	.0	11.3	.0	.0	26.4	.0	.0	11.3	.0	.0	.0	42.3
SE	6.2	.0	10.8	.0	16.9	.0	3.1	35.4	.0	.0	10.8	.0	.0	.0	53.8
S	8.7	.0	.0	.0	11.6	.0	4.3	24.6	.0	.0	.0	.0	.0	.0	75.4
SW	9.4	4.4	.0	1.3	10.3	.0	.3	23.2	1.3	.0	3.8	.0	.0	.0	71.8
W	7.8	3.2	2.1	.0	22.0	.0	.0	32.2	2.1	.0	13.1	.0	.0	.0	52.5
NW	8.1	4.4	3.9	.0	3.3	.0	.0	18.8	1.8	.0	18.6	.0	.0	.0	60.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.1	.0	8.6	.0	17.1	.0	.0	30.0	.0	.0	20.0	.0	.0	.0	50.0
TOT PCT	9.2	3.0	4.7	.2	12.2	.0	.4	26.8	1.1	.0	14.2	.0	.0	.0	57.9
TOT OBS:	466														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	9.8	1.8	2.7	.9	17.0	.0	.0	29.5	.9	.0	11.6	.0	.0	.0	58.0
0600	7.5	2.7	4.8	.0	11.6	.0	.0	25.3	.0	.0	14.4	.0	.0	.0	60.3
1200	7.8	2.9	3.8	.0	10.7	.0	1.0	25.2	1.0	.0	15.5	.0	.0	.0	58.3
1800	9.8	3.0	3.7	.0	11.6	.0	.6	25.0	1.8	.0	14.0	.0	.0	.0	59.1
TOT PCT	8.8	2.7	4.2	.2	12.6	.0	.4	26.1	1.0	.0	13.9	.0	.0	.0	59.0
TOT OBS:	525														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.5	2.4	3.1	1.0	.4	.0		7.4	15.3	7.5	6.1	12.0	2.9	14.4	3.2	7.3	5.7
NE	.1	1.1	1.0	.6	.0	.0		2.8	13.0	4.5	2.6	3.2	.0	3.1	2.4	4.5	.0
E	.6	1.9	.3	.2	.0	.0		3.0	8.5	3.0	6.1	3.9	1.0	.0	3.2	3.1	1.9
SE	.9	4.1	2.2	.1	.0	.0		7.3	10.1	5.0	7.0	5.2	9.8	3.1	10.5	5.9	12.3
S	.0	1.6	1.5	.3	.2	.0		3.5	12.9	3.5	3.5	.6	1.0	9.4	1.6	6.8	.9
SW	.0	3.8	4.4	4.0	1.2	.2		17.6	17.5	19.5	17.5	15.6	15.7	18.8	21.0	18.9	13.2
W	.3	6.4	7.4	4.3	1.5	.0		19.9	17.4	25.0	23.7	20.8	19.7	15.0	14.5	21.9	21.7
NW	1.0	7.4	9.0	3.9	2.7	.0		23.9	17.4	28.0	21.1	19.2	26.3	28.8	24.2	23.1	25.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	14.7							14.7	.0	4.0	12.3	19.5	29.4	7.5	19.4	8.5	18.9
TOT OBS	90	152	193	71	29	1	496		13.6	50	57	77	51	40	62	106	53
TOT PCT	18.1	30.6	30.6	14.3	5.8	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	03	06	09
N	1.6	2.6	2.1	1.0	.1		7.4	15.3	6.8	8.4	7.6	6.8
NE	1.1	.5	1.1	.1	.0		2.8	13.0	3.5	2.0	2.7	3.0
E	1.1	1.7	.0	.2	.0		3.0	8.5	4.7	2.7	2.0	2.7
SE	2.2	3.2	1.8	.1	.0		7.3	10.1	6.1	7.0	7.6	8.0
S	.9	1.7	.8	.2	.0		3.5	12.9	3.5	.8	4.7	4.9
SW	2.2	7.6	4.3	3.1	.4		17.6	17.5	18.5	15.6	20.1	17.0
W	.8	9.6	5.9	3.2	.4		19.9	17.4	24.3	18.0	14.7	21.9
NW	3.3	8.7	8.0	3.1	.9		23.9	17.4	24.3	22.1	26.0	23.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	14.7						14.7	.0	8.4	23.4	14.7	11.9
TOT OBS	138	176	119	54	9	496		13.6	107	128	102	159
TOT PCT	27.8	35.5	24.0	10.9	1.8		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976

APRIL

AREA 0019 SOUTH GEORGIA
54.15 96.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	8.4	3.7	34.6	35.5	13.1	4.7	.0	13.8	100.0	107
06009	23.4	3.1	26.6	25.0	14.1	7.8	.0	12.9	100.0	128
12015	14.7	4.9	26.5	30.4	18.6	4.9	.0	14.2	100.0	102
18021	11.9	2.5	34.0	32.7	12.6	5.7	.6	13.7	100.0	159
TOT	73	17	152	153	71	29	1	13.6		496
PCT	14.7	3.4	30.6	30.8	14.3	5.8	.2	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 &	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	.8	.0	.2	4.4	7.0	7.0
E	.0	.0	.8	2.2	7.4	7.4
SE	.0	.0	1.0	1.8	7.2	7.2
S	.0	.6	3.8	2.2	6.7	6.7
SW	.0	1.2	8.6	8.4	6.8	6.8
W	2.4	2.8	7.6	9.2	6.1	6.1
NW	2.4	1.0	7.2	17.2	6.7	6.7
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	8.0	8.0
TOT OBS	7	7	41	70	125	8.8
TOT PCT	5.6	5.6	32.8	56.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	1.6	1.4	.6	1.4	1.4	1.6	.8	.0	.8	.6	.8	
NE	.8	.8	1.0	.2	.2	.0	.0	.0	.0	.0	2.4	
E	.8	.0	.0	.0	.6	.8	.0	.0	.0	.0	.8	
SE	.0	.0	.0	.8	1.0	.8	.2	.0	.0	.0	.0	
S	.0	.0	.0	.8	1.6	1.4	1.4	.0	.0	.0	1.4	
SW	.2	.0	.0	3.2	2.6	4.6	1.6	.0	.0	3.2	2.8	
W	1.4	.0	.8	4.4	6.2	.4	.0	.0	.0	1.6	7.2	
NW	1.6	.2	4.0	2.8	6.4	3.2	1.6	.0	.0	.2	7.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.8	.8	.8	.8	.0	.0	.0	.0	.0	.0	
TOT OBS	8	4	9	18	28	16	7	0	1	7	29	125
TOT PCT	6.4	3.2	7.2	14.4	20.8	12.8	5.6	.0	.8	5.6	23.2	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	4.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3
>5000	4.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3
>3500	9.4	11.8	11.8	11.8	11.8	11.8	11.8	11.8
>2000	15.7	23.6	23.6	23.6	24.4	24.4	24.4	24.4
>1000	26.8	39.4	44.1	44.9	46.5	46.5	46.5	46.5
>600	33.1	51.2	57.5	58.3	59.8	60.6	60.6	60.6
>300	33.1	52.0	60.6	62.2	64.6	67.7	67.7	67.7
>150	33.1	52.0	60.6	63.8	66.1	70.9	70.9	70.9
>0	33.9	53.5	62.2	65.4	69.3	75.6	77.2	77.2
TOTAL	43	68	79	83	88	96	98	98

TOTAL NUMBER OF OBS: 127

PCT FREQ NH <5/8: 22.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.2	5.2	5.2	6.7	3.0	9.7	11.2	9.7	41.8	5.2	134

APRIL

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976

AREA 0019 SOUTH GEORGIA
54.15 36.34

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	1.2	.4	.0	.0	.0	.4	1.9	2.0	.0	1.1	7.1	
	ND PCP	.8	.2	.2	.2	.0	.3	1.0	1.6	.0	1.1	5.4	
	TOT %	2.0	.6	.2	.2	.0	.8	2.9	3.6	.0	2.2	12.4	
1/2<1	PCP	.4	.0	.2	1.1	.6	1.3	1.2	.3	.0	1.1	6.2	
	ND PCP	.6	.3	.1	.5	.0	.4	1.2	1.4	.0	1.7	6.2	
	TOT %	1.0	.3	.3	1.6	.6	1.8	2.4	1.7	.0	2.8	12.4	
1<2	PCP	.3	.0	.3	.6	.3	.1	1.1	1.5	.0	1.5	5.8	
	ND PCP	.6	.2	.6	.5	.1	.0	1.4	1.8	.0	2.8	8.2	
	TOT %	1.0	.2	1.0	1.2	.4	.1	2.5	3.3	.0	4.3	14.0	
2<5	PCP	.2	.2	.1	.1	.0	.1	.3	.4	.0	.4	1.9	
	ND PCP	.6	.1	.2	.6	.0	.8	1.6	4.1	.0	1.7	9.7	
	TOT %	.8	.3	.3	.8	.0	.9	1.9	4.5	.0	2.2	11.6	
5<10	PCP	.2	.1	.1	.4	.0	2.2	1.4	.3	.0	.2	4.9	
	ND PCP	1.2	.2	.2	1.4	.8	7.2	4.7	5.7	.0	1.7	23.0	
	TOT %	1.4	.3	.3	1.8	.8	9.3	6.1	6.0	.0	1.9	28.0	
10+	PCP	.0	.0	.0	.0	.0	.5	.5	.1	.0	.2	1.3	
	ND PCP	1.2	.8	.7	1.2	1.9	4.5	3.3	5.1	.0	1.5	20.2	
	TOT %	1.2	.8	.7	1.2	1.9	5.0	3.8	5.2	.0	1.7	21.5	
TOT OBS													465
TOT PCT													7.4 2.4 2.8 6.8 3.7 17.8 19.6 24.4 .0 13.1 100.0

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	.1	.0	.0	.2	.0	.0	.2	.1	.0	2.1	2.7	
	4-10	.3	.0	.2	.0	.0	.2	1.0	1.4	.0		3.1	
	11-21	.8	.2	.0	.0	.0	.3	.9	.9	.0		3.1	
	22+	.8	.4	.0	.0	.0	.3	.9	1.5	.0		4.0	
	TOT %	2.0	.6	.2	.2	.0	.8	3.1	3.8	.0	2.1	12.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	2.7	
	4-10	.2	.0	.3	.7	.2	.2	.4	.6	.0		2.7	
	11-21	.6	.2	.0	.8	.2	.0	.7	.7	.0		3.3	
	22+	.2	.1	.0	.0	.2	1.5	1.1	.5	.0		3.5	
	TOT %	1.0	.3	.3	1.6	.6	1.7	2.3	1.9	.0	2.7	12.3	
1<2	0-3	.3	.0	.1	.5	.0	.0	.1	.6	.0	4.2	5.8	
	4-10	.4	.2	.8	.4	.4	.0	.6	1.7	.0		4.6	
	11-21	.1	.0	.0	.2	.0	.0	1.0	.5	.0		1.9	
	22+	.1	.0	.0	.0	.0	.1	.6	.4	.0		1.3	
	TOT %	.9	.2	.9	1.1	.4	.1	2.4	3.2	.0	4.2	13.6	
2<5	0-3	.0	.0	.2	.2	.0	.0	.0	.0	.0	2.1	2.5	
	4-10	.1	.2	.1	.5	.0	.8	.8	1.2	.0		3.8	
	11-21	.9	.1	.0	.0	.0	.4	.8	1.8	.0		4.0	
	22+	.0	.0	.0	.0	.0	.3	.4	1.6	.0		2.3	
	TOT %	1.0	.3	.3	.7	.0	1.6	2.0	4.6	.0	2.1	12.3	
5<10	0-3	.1	.0	.0	.0	.0	.0	.0	.3	.0	1.9	2.3	
	4-10	.8	.1	.2	1.1	.0	3.8	2.6	1.2	.0		9.8	
	11-21	.4	.2	.1	.6	.4	3.1	1.5	2.3	.0		8.6	
	22+	.2	.1	.0	.0	.3	2.2	1.8	2.0	.0		6.7	
	TOT %	1.5	.4	.3	1.8	.7	9.0	5.9	5.8	.0	1.9	27.3	
10+	0-3	.0	.1	.1	.0	.0	.0	.0	.0	.0	1.7	1.9	
	4-10	.6	.6	.2	1.1	1.0	1.0	.5	1.4	.0		6.5	
	11-21	.4	.2	.2	.0	.9	2.8	2.5	3.0	.0		10.0	
	22+	.2	.0	.2	.1	.0	1.1	.8	.7	.0		2.9	
	TOT %	1.2	.9	.7	1.1	1.9	5.0	3.8	5.0	.0	1.7	21.3	
TOT OBS													479
TOT PCT													7.6 2.7 2.8 6.6 3.6 18.2 19.6 24.4 .0 14.6 100.0

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	9.1	.0	6.1	15.2	12.1	18.2	9.1	.0	.0	9.1	78.8	21.2	33
06009	5.3	5.3	5.3	5.3	10.5	21.1	5.3	.0	.0	5.3	63.2	36.8	19
12015	6.7	3.3	6.7	13.3	30.0	13.3	6.7	.0	.0	3.3	83.3	16.7	30
18021	4.3	4.3	8.7	17.4	28.3	4.3	2.2	.0	2.2	4.3	76.1	23.9	46
TOT	8	4	9	18	28	16	7	0	1	7	98	30	128
PCT	6.3	3.1	7.0	14.1	21.9	12.5	5.5	.0	.8	5.5	76.6	23.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
00003	16.2	12.8	9.4	8.5	35.0	17.9	117
06009	13.3	14.0	13.3	14.0	36.0	9.3	150
12015	5.8	12.6	10.7	13.6	26.2	31.1	103
18021	11.8	10.6	14.7	11.2	28.8	22.9	170
TOT	65	67	67	64	171	106	540
PCT	12.0	12.4	12.4	11.9	31.7	19.6	100.0

TABLE 12

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

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00003	9.1	15.2	33.3	45.5	21.2	33
06009	5.3	21.1	21.1	42.1	36.8	19
12015	6.7	20.0	50.0	36.7	13.3	30
18021	4.4	22.2	44.4	35.6	20.0	46
TOT	8	25	50	50	27	127
PCT	6.3	19.7	39.4	39.4	21.3	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	PCT
50/54	.0	.0	.0	.0	.0	.5	.5		2	.9
45/49	.0	.5	.0	.5	1.4	.5	2.8	1.4	15	7.1
40/44	.0	.0	.0	.0	3.3	3.3	3.8	4.2	31	14.6
35/39	.0	.0	.0	.5	3.3	4.7	9.9	31.1	105	49.5
30/34	.0	.0	.0	.0	1.9	5.2	8.5	9.4	59	25.0
25/29	.0	.0	.0	.0	.5	.0	.5	1.9	6	2.8
TOTAL	0	1	0	2	22	29	55	103	212	100.0
PCT	.0	.5	.0	.9	10.4	13.7	25.9	48.6		

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	.9	.0	.0
.0	.0	.0	.0	.0	2.8	.2	4.0	.0	.0
.9	.5	.0	.2	.7	3.3	2.4	5.7	.0	.9
2.8	1.7	.9	7.2	1.8	11.4	13.1	9.7	.0	.9
1.4	.2	1.2	3.5	3.4	7.3	6.1	.8	.0	.9
.0	.0	.2	.7	.5	.9	.0	.5	.0	.0
5.2	2.4	2.4	11.7	6.4	25.8	21.8	21.6	.0	2.8

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00003	50	47	43	36	30	27	24	35.9	122
06009	50	49	44	36	29	28	27	35.9	155
12015	50	49	46	38	31	26	24	37.7	113
18021	50	49	45	37	31	26	25	37.2	178
TOT	50	49	45	37	30	27	24	36.6	568

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00003	.0	5.3	5.3	19.3	21.1	49.1	85	57		
06009	.0	2.7	8.2	12.3	35.6	41.1	85	73		
12015	.0	.0	18.2	7.3	20.0	54.5	85	55		
18021	.0	3.5	15.1	16.3	26.7	38.4	82	86		
TOT	0	8	32	38	72	121	84	271		

APRIL

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976

APEA 0019 SOUTH GEORGIA
54.15 36.3W

TABLE 17

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

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	45 48	49 52	TOT	H FDG	WD FDG
7/8	.0	.0	.0	.0	.6	.3	.3	4	.0	1.3
6	.0	.0	.0	.3	1.9	.6	.6	11	1.0	2.5
5	.0	.0	.0	.6	.3	.3	.3	5	.3	1.3
4	.0	.0	.0	1.0	1.3	.0	.0	7	.6	1.6
3	.0	.0	.0	4.2	1.0	.3	.0	17	.6	4.9
2	.0	.0	1.0	7.1	2.3	.0	.0	32	1.6	8.7
1	.0	.0	.6	10.7	.6	1.0	.0	40	1.9	11.0
0	.0	1.0	6.1	6.1	1.9	.6	.0	49	1.6	14.3
-1	.0	.3	10.0	5.5	1.3	1.0	.0	56	2.6	15.6
-2	.0	.6	8.7	1.3	.0	.0	.0	33	1.9	8.8
-3	.0	.6	5.8	.6	.0	.0	.0	22	1.3	5.8
-4	.0	2.6	1.9	.0	.0	.0	.0	14	.3	4.2
-5	.0	2.3	.3	.3	.0	.0	.0	9	.0	2.9
-6	.3	1.0	.0	.0	.0	.0	.0	4	.0	1.3
-7/-8	1.0	.3	.3	.3	.0	.0	.0	6	.0	1.9
TOTAL	4	27	108	118	35	13	4	309	43	266
PCT	1.3	8.7	35.0	38.2	11.3	4.2	1.3	100.0	13.9	86.1

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	3.4	1.3	.0	.0	.0	4.7	.0	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	1.3	3.1	.0	.0	.0	4.4	.0	1.3	.6	2.5	.0	.0	.0	4.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.2	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.3	.0	.0	.0	.3
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	4.7	6.6	.9	.0	.0	12.2	.0	2.5	1.9	2.8	.0	.0	.0	7.2

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	1.3	1.3	.9	.0	.0	3.4	.0	1.3	.0	.3	.0	.0	.0	1.6

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

HGT	S							PCT	1-3	4-10	SW				48+	PCT
	1-3	4-10	11-21	22-33	34-47	48+	11-21				22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	1.6	.0	.0	.0	.0	.0	1.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.3	.0	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.3	.0	.0	.0	.0	7.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3
8-9	.0	.0	.9	.0	.0	.0	.9	.0	.0	.3	1.3	.0	.0	.0	.0	1.6
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.9	.0	.9	.0	.0	.0	.0	.3	.0	.0	.0	.3
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.4	.0	.9	.0	4.4	.0	.0	10.9	2.8	.3	.0	.0	14.1	.0

HGT	W							PCT	1-3	4-10	NW				48+	PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	11-21				22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3	
1-2	.0	2.5	3.1	.0	.0	.0	5.6	.0	.0	1.6	2.8	.0	.0	.0	.0	4.4	
3-4	.0	.9	5.6	.0	.0	.0	6.6	.0	.0	2.8	2.8	.0	.0	.0	.0	5.6	
5-6	.0	1.3	1.3	.9	.0	.0	3.4	.0	.0	8.8	.0	1.3	.0	.0	10.0	.0	
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	2.8	.0	.0	.0	.0	2.8	.0	
8-9	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	1.3	2.5	.0	.0	.0	3.8	.0	
10-11	.0	.0	.0	.9	.9	.0	1.9	.0	.0	.0	1.6	.3	.0	.0	1.9	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	1.3	.0	
20-22	.0	.0	.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	.0	.0	
26-32	.0	.0	.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	.0	.0	
41-48	.0	.0	.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	.0	.0	
61-70	.0	.0	.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	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.7	13.8	1.9	.9	.0	21.3	.0	.0	5.6	18.4	5.3	1.6	.0	30.9	95.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.9	2.5	.0	.0	.0	.0	7.4	
1-2	1.2	9.9	12.3	.0	.0	.0	23.5	
3-4	.0	6.2	12.3	4.9	.0	.0	23.5	
5-6	.0	1.2	17.3	1.2	1.2	.0	21.0	
7	.0	.0	8.6	.0	.0	.0	8.6	
8-9	.0	.0	4.9	3.7	.0	.0	8.6	
10-11	.0	.0	.0	3.7	1.2	.0	4.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	1.2	1.2	.0	2.5	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	19.8	55.6	14.8	3.7	.0	100.0	81

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	.0	7.4	9.5	8.4	8.4	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	5
6-7	.0	.0	4.2	2.1	3.2	1.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	7
8-9	.0	.0	1.1	4.2	.0	4.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
10-11	.0	.0	1.1	.0	1.1	2.1	3.2	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1	2.5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1	4.1
INDET	4.2	.0	2.1	4.2	.0	.0	4.2	2.1	4.2	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	8
TOTAL	4	7	17	18	12	10	13	3	5	4	0	1	0	0	1	0	0	0	0	0	95	7
PCT	4.2	7.4	17.9	18.9	12.6	10.5	13.7	3.2	5.3	4.2	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

AREA 0019 SOUTH GEORGIA
53.85 36.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG UUST BLWG SNOW	NO SIG WEA
N	12.5	.0	.0	.0	37.5	.0	.0	50.0	.0	.0	31.3	.0	.0	.0	18.8
NE	15.4	.0	.0	.0	46.2	.0	.0	61.5	.0	.0	30.8	.0	.0	.0	7.7
E	11.1	.0	.0	.0	38.9	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
SE	22.2	.0	.0	.0	27.8	.0	.0	27.8	.0	.0	55.6	.0	.0	.0	16.7
S	.0	.0	8.7	.0	47.8	.0	.0	56.5	.0	.0	34.8	.0	.0	.0	8.7
SW	.0	.0	.0	.0	11.1	.0	.0	11.1	.0	.0	22.2	.0	.0	.0	6.7
W	.0	.0	2.6	.0	5.1	.0	5.1	12.8	.0	.0	10.3	.0	.0	.0	76.9
NW	.0	.0	8.5	.0	9.8	.0	.0	18.3	.0	.0	42.7	.0	.0	.0	39.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.3	.0	.0	.0	12.5	.0	.0	18.8	.0	.0	31.3	.0	.0	.0	50.0
TOT PCT	4.8	.0	4.0	.0	20.0	.0	.8	28.0	.0	.0	31.2	.0	.0	.0	40.8
TOT OBS:	129														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG UUST BLWG SNOW	NO SIG WEA
0003	.0	.0	12.0	.0	16.0	.0	.0	28.0	.0	.0	40.0	.0	.0	.0	32.0
0609	9.3	.0	2.3	.0	27.9	.0	2.3	39.5	.0	.0	34.9	.0	.0	.0	25.6
1203	.0	.0	.0	.0	11.5	.0	.0	11.5	.0	.0	23.1	.0	.0	.0	65.4
18021	6.4	.0	4.3	.0	14.9	.0	.0	23.4	.0	.0	40.4	.0	.0	.0	36.2
TOT PCT	5.0	.0	4.3	.0	18.4	.0	.7	27.0	.0	.0	35.5	.0	.0	.0	37.6
TOT OBS:	141														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.9	2.3	1.9	.0	.0	.0	6.1	9.0	.0	5.0	2.3	10.5	.0	6.5	4.5	11.8	
NE	.8	1.5	2.7	.0	.0	.0	4.9	9.5	.0	.0	4.5	5.3	.0	6.5	13.6	.0	
E	.0	3.8	3.0	.0	.0	.0	6.8	10.4	.0	10.0	2.3	7.9	.0	10.9	6.8	5.9	
SE	.0	3.8	3.0	.0	.0	.0	6.8	8.7	.0	15.0	13.6	.0	.0	2.2	2.3	11.8	
S	1.5	3.0	1.1	.8	2.3	.0	8.7	16.3	33.3	7.5	22.7	5.3	.0	4.3	4.5	5.9	
SW	.8	1.5	2.7	.0	.0	.0	4.9	11.6	.0	7.5	.0	5.3	.0	4.3	4.5	11.8	
W	.0	2.7	8.3	5.3	1.1	.0	17.4	19.1	33.3	7.5	15.9	13.2	75.0	19.6	18.2	8.8	
NW	3.4	8.0	11.4	6.1	2.7	.0	31.4	15.8	33.3	32.5	25.0	31.6	25.0	32.6	36.4	32.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.9						12.9	.0	.0	15.0	13.6	21.1	.0	13.0	9.1	11.8	
TOT OBS	28	35	45	16	8	0	132	12.6	3	20	22	19	6	23	22	17	
TOT PCT	21.2	26.5	34.1	12.1	6.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.9	3.0	1.1	.0	.0	.0	6.1	9.0	4.3	6.1	5.2	7.7
NE	1.9	2.7	.4	.0	.0	.0	4.9	9.5	.0	4.9	5.2	7.7
E	1.5	4.5	.8	.0	.0	.0	6.8	10.4	8.7	4.9	8.6	6.4
SE	3.4	3.4	.0	.0	.0	.0	6.8	8.7	13.0	7.3	1.7	6.4
S	4.5	.4	1.5	1.5	.8	.0	8.7	16.3	10.9	14.6	3.4	5.1
SW	.8	2.7	1.5	.0	.0	.0	4.9	11.6	6.5	2.4	3.4	7.7
W	.4	5.3	9.8	1.5	.4	.0	17.4	19.1	10.9	14.6	31.0	14.1
NW	8.3	6.8	12.1	3.8	.4	.0	31.4	15.8	32.6	28.0	31.0	34.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.9						12.9	.0	13.0	17.1	10.3	10.3
TOT OBS	47	38	36	9	2	132	12.6		23	41	29	39
TOT PCT	35.6	28.8	27.3	6.8	1.5		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1927-1976

MAY

APEA 0019 SOUTH GEORGIA
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00603	13.0	.0	30.4	39.1	8.7	8.7	.0	13.4	100.0	23
06609	17.1	12.2	24.4	31.7	7.3	7.3	.0	11.7	100.0	41
12615	10.3	3.4	27.6	31.0	20.7	6.9	.0	14.3	100.0	29
18621	10.3	12.8	25.6	35.9	12.8	2.6	.0	11.8	100.0	39
TOT	17	11	35	45	16	8	0	12.6		132
PCT	12.9	8.3	26.5	34.1	12.1	6.1	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0
W	.0	.0	28.6	14.3	7.0	7.0
NW	.0	.0	28.6	14.3	6.6	6.6
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	5	2	7	6.8
TOT PCT	.0	.0	71.4	28.6	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	14.3	14.3	.0	.0	.0	14.3	14.3
NW	.0	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	14.3	14.3
VAR	.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	.0
TOT OBS	0	0	0	0	0	2	1	1	1	0	0	2	7
TOT PCT	.0	.0	.0	.0	.0	28.6	14.3	14.3	14.3	.0	.0	28.6	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
>3500	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>2000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	37.5
>1000	37.5	37.5	37.5	50.0	50.0	50.0	50.0	62.5
>600	37.5	37.5	37.5	50.0	50.0	50.0	50.0	62.5
>300	37.5	50.0	50.0	62.5	62.5	62.5	62.5	75.0
>150	37.5	50.0	50.0	62.5	62.5	62.5	62.5	75.0
>0	37.5	50.0	50.0	62.5	62.5	62.5	62.5	75.0
TOTAL	3	4	4	5	5	5	5	6

TOTAL NUMBER OF OBS: 8 PCT FREQ NH <5/8: 25.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	.0	.0	12.5	12.5	.0	.0	37.5	37.5	.0	8

MAY

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

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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	.4	1.2	.0	.8	.0	.0	3.3	.0	.8	6.4	
	NO PCP	.8	1.7	.0	1.7	.8	.0	.0	1.7	.0	.0	6.6	
	TOT %	.8	2.1	1.2	1.7	1.7	.0	.0	5.0	.0	.8	13.2	
1/2<1	PCP	.4	1.2	.8	.0	.8	.0	.0	.8	.0	.8	5.0	
	NO PCP	.0	.0	.0	1.7	2.5	.8	.0	3.3	.0	3.3	11.6	
	TOT %	.4	1.2	.8	1.7	3.3	.8	.0	4.1	.0	4.1	16.5	
1<2	PCP	1.7	.4	.4	.0	.0	.0	.0	1.7	.0	.0	4.1	
	NO PCP	.0	.0	1.2	1.2	.0	.8	.8	.8	.0	2.5	7.4	
	TOT %	1.7	.4	1.7	1.2	.0	.8	.8	2.5	.0	2.5	11.6	
2<5	PCP	.0	.0	1.2	1.2	1.2	.4	.0	.0	.0	.0	4.1	
	NO PCP	.0	.0	.0	.0	.0	.0	1.7	1.7	.0	.8	4.1	
	TOT %	.0	.0	1.2	1.2	1.2	.4	1.7	1.7	.0	.8	8.3	
5<10	PCP	1.2	1.2	.0	.0	.8	.0	2.1	.4	.0	1.7	7.4	
	NO PCP	2.5	.4	1.7	.8	.0	.8	9.5	14.9	.0	1.7	32.2	
	TOT %	3.7	1.7	1.7	.8	.8	.8	11.6	15.3	.0	3.3	39.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.8	.0	.8	.8	2.1	4.5	.0	1.7	10.7	
	TOT %	.0	.0	.8	.0	.8	.8	2.1	4.5	.0	1.7	10.7	
TOT OBS												121	
TOT PCT	6.6	5.4	7.4	6.6	7.9	3.7	16.1	33.1	.0	13.2	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPED
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	.8	.0	.0	.0	.0	.0	.0	.0	.8	1.7	
	4-10	.8	1.2	1.2	.0	.8	.0	.0	.8	.0	.0	5.0	
	11-21	.0	.0	.0	1.7	.0	.0	.0	3.3	.0	.0	5.0	
	22+	.0	.0	.0	.0	.8	.0	.0	.8	.0	.0	1.7	
	TOT %	.8	2.1	1.2	1.7	1.7	.0	.0	5.0	.0	.8	13.2	
1/2<1	0-3	.0	.0	.0	.0	1.7	.8	.0	.0	.0	4.1	6.6	
	4-10	.0	.0	.0	1.7	.8	.0	.0	.8	.0	.0	3.3	
	11-21	.4	1.2	.8	.0	.0	.0	.0	1.7	.0	.0	4.1	
	22+	.0	.0	.0	.0	.8	.0	.0	1.7	.0	.0	2.5	
	TOT %	.4	1.2	.8	1.7	3.3	.8	.0	4.1	.0	4.1	16.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	2.5	3.3	
	4-10	.8	.4	1.7	1.2	.0	.0	.8	.8	.0	.0	5.8	
	11-21	.8	.0	.0	.0	.0	.8	.0	.8	.0	.0	2.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	1.7	.4	1.7	1.2	.0	.8	.8	2.5	.0	2.5	11.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	.8	1.7	
	4-10	.0	.0	.4	.4	.0	.0	.8	.0	.0	.0	1.7	
	11-21	.0	.0	.8	.8	1.2	.4	.8	.0	.0	.0	4.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	TOT %	.0	.0	1.2	1.2	1.2	.4	1.7	1.7	.0	.8	8.3	
5<10	0-3	2.1	.0	.0	.0	.0	.0	.0	2.1	.0	3.3	7.4	
	4-10	.8	.0	.8	.8	.8	.8	1.2	2.9	.0	.0	8.3	
	11-21	.8	1.7	.8	.0	.0	.0	6.2	5.4	.0	.0	14.9	
	22+	.0	.0	.0	.0	.0	.0	4.1	5.0	.0	.0	9.1	
	TOT %	3.7	1.7	1.7	.8	.8	.8	11.6	15.3	.0	3.3	39.7	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.7	
	4-10	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	2.5	
	11-21	.0	.0	.8	.0	.0	.8	1.2	1.2	.0	.0	4.1	
	22+	.0	.0	.0	.0	.8	.0	.8	.8	.0	.0	2.5	
	TOT %	.0	.0	.8	.0	.8	.8	2.1	4.5	.0	1.7	10.7	
TOT OBS												121	
TOT PCT	6.6	5.4	7.4	6.6	7.9	3.7	16.1	33.1	.0	13.2	100.0		

MAY

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	50.0	.0	50.0	.0	.0	.0	100.0	.0	2
18021	.0	.0	20.0	.0	20.0	20.0	.0	20.0	.0	.0	80.0	20.0	5
TOT	0	0	1	0	2	1	1	1	0	0	6	2	8
PCT	.0	.0	12.5	.0	25.0	12.5	12.5	12.5	.0	.0	75.0	25.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	20.8	20.8	12.5	8.3	33.3	4.2	24
06009	14.6	14.6	9.8	9.8	51.2	.0	41
12015	.0	3.8	3.8	3.8	53.8	34.6	26
18021	15.2	19.6	15.2	6.5	37.0	6.5	46
TOT	18	21	15	10	60	13	137
PCT	13.1	15.3	10.9	7.3	43.8	9.5	100.0

TABLE 12

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

HR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	100.0	.0	.0	1
06009	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	100.0	.0	2
18021	20.0	40.0	40.0	20.0	20.0	5
TOT	1	2	4	3	1	8
PCT	12.5	25.0	50.0	37.5	12.5	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
49/49	.0	.0	.0	.0	.0	.0	.0	1.6	1	1.6
40/44	.0	.0	.0	.0	.0	.0	1.6	8.1	6	9.7
37/39	.0	.0	.0	.0	.0	.0	3.2	32.3	22	35.5
30/34	.0	.0	.0	.0	.0	.0	6.5	24.2	19	30.6
25/29	.0	.0	.0	.0	.0	4.8	1.6	12.9	12	19.4
20/24	.0	.0	.0	.0	.0	.0	.0	3.2	2	3.2
TOTAL	0	0	0	0	0	3	8	51	62	100.0
PCT	.0	.0	.0	.0	.0	4.8	12.9	82.3		

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	.8	.8	.0	.0
.0	.0	.0	.0	.0	.0	1.6	8.1	.0	.0
1.6	3.2	.0	.0	.0	.0	10.5	18.5	.0	1.6
.8	4.0	1.6	1.6	6.5	.0	4.8	11.3	.0	.0
1.6	.0	.0	1.6	3.2	1.6	8.1	1.6	.0	1.6
.8	.0	.0	.0	.0	.0	2.4	.0	.0	.0
4.8	7.3	1.6	3.2	9.7	1.6	25.8	42.7	.0	3.2

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	44	43	40	32	26	22	22	32.5	24
06009	45	44	37	31	23	21	21	30.9	44
12015	43	42	41	32	29	28	28	33.1	35
18021	40	39	39	33	27	24	24	32.6	50
TOT	45	44	40	32	24	22	21	32.2	135

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.0	.0	8.3	8.3	83.3	94	12
06009	.0	.0	.0	.0	.0	9.1	4.5	86.4	95	22
12015	.0	.0	.0	.0	.0	31.3	68.8	94	16	16
18021	.0	.0	3.8	.0	11.5	84.6	94	26	94	76
TOT	0	0	1	3	10	62	94	76		

MAY

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

AREA 0019 SOUTH GEORGIA
53.85 36.0W

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	25	29	33	37	TOT	W	NO
	28	32	36	40		FOG	FOG
2	.0	.0	.0	8.9	5	1.8	7.1
1	1.8	.0	3.6	.0	3	1.8	3.6
0	.0	1.8	14.3	3.6	11	8.9	10.7
-1	.0	12.5	17.9	.0	17	10.7	19.6
-2	.0	7.1	8.9	.0	9	.0	16.1
-3	.0	3.6	.0	.0	3	.0	5.4
-4	1.8	1.8	.0	.0	2	.0	3.6
-5	5.4	1.8	.0	.0	4	.0	7.1
-6	.0	3.6	.0	.0	2	.0	3.6
TOTAL	5	19	25	7	56	13	43
PCT	8.9	33.9	44.6	12.5	100.0	23.2	76.8

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.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	.0	.0	
8-9	.0	.0	.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	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	100.0	.0	.0	100.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	.0	.0	100.0	.0	.0	100.0	1

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	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	5	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	0	0	1	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	8
PCT	.0	.0	.0	20.0	40.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966

JUNE

AREA 0019 SOUTH GEORGIA
53.55 37.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	NO SIG WEAT
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	72.7	.0	.0	.0	36.4	.0	.0	72.7	27.3	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	80.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	50.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
W	.0	.0	.0	.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
NW	.0	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	20.0	.0	.0	.0	30.0	.0	.0	40.0	10.0	.0	.0	.0	.0	.0	50.0
TOT OBS	10														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	NO SIG WEAT
00003	50.0	.0	.0	.0	50.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
06009	.0	.0	.0	.0	50.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
12015	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
18021	.0	.0	.0	.0	25.0	.0	.0	25.0	25.0	.0	.0	.0	.0	.0	50.0
TOT PCT	20.0	.0	.0	.0	30.0	.0	.0	40.0	10.0	.0	.0	.0	.0	.0	50.0
TOT OBS	10														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-23	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	21.2	.0	21.2	38.9	50.0	.0	.0	.0	50.0	.0	18.8	.0	.0
SE	.0	.0	.0	7.7	1.9	.0	9.6	32.8	.0	.0	.0	50.0	.0	6.3	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	3.8	15.4	.0	.0	.0	19.2	14.2	.0	.0	33.3	50.0	.0	25.0	.0	.0	.0
W	.0	19.2	7.7	7.7	5.8	.0	40.4	18.3	50.0	.0	33.3	50.0	.0	100.0	43.8	.0	.0
NW	.0	.0	7.7	.0	1.9	.0	9.6	22.4	.0	.0	33.3	.0	.0	6.3	.0	.0	.0
VAR	.0	.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	.0	.0	.0	.0	.0
TOT OBS	0	3	4	2	4	0	13	23.6	2	0	3	1	2	1	4	0	0
TOT PCT	.0	23.1	30.8	15.4	30.8	.0	100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	15.4	5.8	21.2	38.9	50.0	.0	.0	33.3	18.8	.0	.0
SE	.0	.0	.0	7.7	1.9	9.6	32.8	.0	.0	33.3	6.3	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	11.5	7.7	.0	.0	19.2	14.2	.0	.0	37.5	.0	25.0	.0	.0
W	7.7	11.5	7.7	13.5	.0	40.4	18.3	50.0	.0	37.5	33.3	43.8	.0	.0
NW	.0	.0	7.7	1.9	.0	9.6	22.4	.0	.0	25.0	.0	6.3	.0	.0
VAR	.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	.0	.0
TOT OBS	1	3	3	5	1	13	23.6	2	0	3	1	4	0	0
TOT PCT	7.7	23.1	23.1	38.5	7.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
00003	.0	.0	50.0	.0	.0	50.0	.0	23.0	100.0	2
06009	.0	.0	50.0	50.0	.0	.0	.0	12.5	100.0	4
12015	.0	.0	.0	33.3	33.3	33.3	.0	28.3	100.0	3
18021	.0	.0	.0	25.0	25.0	50.0	.0	31.7	100.0	4
TOT	0	0	3	4	2	4	0	23.6		13
PCT	.0	.0	23.1	30.8	15.4	30.8	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	34.4	8.0	8.0
SE	.0	.0	.0	15.6	8.0	8.0
S	.0	.0	.0	.0	.0	.0
SW	.0	12.5	.0	.0	4.0	4.0
W	.0	25.0	12.5	.0	5.0	5.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	0	3	1	4	8	6.3
TOT PCT	.0	37.5	12.5	50.0	100.0	

TABLE 6

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

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	9.4	.0	.0	23.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	3.1	.0	12.5	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5
W	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	25.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	0	3	1	4	8	1	3	0	0	0	3	8
TOT PCT	.0	.0	12.5	.0	12.5	.0	37.5	.0	.0	.0	37.5	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)			
	>10	>3	>2	>1
>5000	.0	.0	.0	.0
>4000	.0	.0	.0	.0
>3500	12.5	37.5	37.5	37.5
>2000	12.5	37.5	37.5	37.5
>1000	25.0	50.0	50.0	50.0
>600	25.0	50.0	50.0	50.0
>300	25.0	50.0	62.5	62.5
>150	25.0	50.0	62.5	62.5
>0	25.0	50.0	62.5	62.5
TOTAL	2	4	5	5

TOTAL NUMBER OF OBS: 8 PCT FREQ NH <5/8: 37.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	.0	.0	.0	.0	40.0	.0	.0	10.0	50.0	.0	10

JUNE

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966

AREA 0019 SOUTH GEORGIA
53.55 37.3W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
5<10	PCP	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	20.0	.0
10+	PCP	.0	.0	10.0	.0	.0	10.0	.0	.0	.0	.0	20.0	.0
	NO PCP	.0	.0	.0	10.0	.0	10.0	20.0	.0	.0	.0	40.0	.0
	TOT %	.0	.0	10.0	10.0	.0	20.0	20.0	.0	.0	.0	60.0	.0
TOT OBS													10
TOT PCT		.0	.0	27.5	12.5	.0	20.0	37.5	2.5	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	20.0	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0	.0
	11-21	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	20.0	.0
	22+	.0	.0	10.0	10.0	.0	.0	10.0	.0	.0	.0	30.0	.0
	TOT %	.0	.0	10.0	10.0	.0	20.0	20.0	.0	.0	.0	60.0	.0
TOT OBS													10
TOT PCT		.0	.0	27.5	12.5	.0	20.0	37.5	2.5	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1907-1966

AREA 0019 SOUTH GEORGIA
33.55 37.3W

TABLE 10

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

HRUR (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
00003	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	.0	2
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	.0	50.0	.0	50.0	.0	.0	.0	100.0	.0	2
18021	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	33.3	66.7	3
TOT	0	0	1	0	1	0	3	0	0	0	5	4	9
PCT	.0	.0	11.1	.0	11.1	.0	33.3	.0	.0	.0	55.6	44.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HRUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	.0	2
06009	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	.0	.0	100.0	2
18021	.0	.0	25.0	25.0	.0	50.0	4
TOT	0	0	1	1	2	6	10
PCT	.0	.0	10.0	10.0	20.0	60.0	100.0

TABLE 12

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

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	100.0	.0	2
06009	.0	.0	.0	.0	100.0	1
12015	.0	.0	.0	100.0	.0	2
18021	.0	33.3	33.3	.0	66.7	3
TOT	0	1	1	4	3	8
PCT	.0	12.5	12.5	50.0	37.5	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
35/39	.0	.0	.0	.0	.0	11.1	.0	11.1	2	22.2
30/34	.0	.0	.0	.0	.0	.0	22.2	55.6	7	77.8
TOTAL	0	0	0	0	0	1	2	6	9	100.0
PCT	.0	.0	.0	.0	.0	11.1	22.2	66.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
35/39	.0	.0	11.1	11.1	.0	.0	.0	.0	.0	.0
30/34	.0	.0	19.4	21.8	.0	22.2	30.6	2.8	.0	.0
TOTAL	.0	.0	30.6	33.9	.0	22.2	30.6	2.8	.0	.0

TABLE 15

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

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	34	34	34	34	34	34	34	34.0	2
06009	39	38	38	32	31	31	31	33.5	4
12015	35	34	34	34	32	32	32	34.0	3
18021	34	33	33	33	32	32	32	33.3	4
TOT	39	38	38	34	31	31	31	33.6	13

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.0	.0	100.0	100	2
06009	.0	.0	.0	.0	100.0	.0	89	1
12015	.0	.0	.0	50.0	.0	50.0	81	2
18021	.0	.0	.0	.0	25.0	75.0	95	4
TOT	0	0	0	1	2	6	42	9

JUNE

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966

AREA 0019 SOUTH GEORGIA
53.55 37.3W

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	29 32	33 36	TOT	W FOG	NO FOG
1	.0	20.0	2	.0	20.0
0	.0	20.0	2	.0	20.0
-1	20.0	10.0	3	.0	30.0
-2	10.0	10.0	2	.0	20.0
-4	.0	10.0	1	.0	10.0
TOTAL	3	7	10	0	10
PCT	30.0	70.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1966

TABLE 18

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

HGT	N					PCT	NE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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+													

INSUFFICIENT DATA

TOT PCT

HGT	E					PCT	SE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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+													

INSUFFICIENT DATA

TOT PCT

TABLE 18 (CONT)

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

HGT	S					PCT	SW					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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													

INSUFFICIENT DATA

HGT	W					PCT	NW					PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33			34-47
<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														

INSUFFICIENT DATA

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1								OBS
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								

INSUFFICIENT DATA

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																						
6-7																						
8-9																						
10-11																						
12-13																						
>13																						
INDEX																						
TOTAL																						

INSUFFICIENT DATA

JULY

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

APEA 0019 SOUTH GEORGIA
53.05 36.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	1														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1800	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	1														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	100.0	.0	.0	.0	100.0	18.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0
VAR	.0	.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	.0	.0	.0	.0	.0
TOT OBS	0	0	1	0	0	0	1	18.0	0	0	0	0	0	0	1	0	0
TOT PCT	.0	.0	100.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	100.0	.0	.0	100.0	18.0	.0	.0	.0	.0	.0	100.0
VAR	.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	.0
TOT OBS	0	0	1	0	0	1	18.0	0	0	0	0	0	1
TOT PCT	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	100.0

JULY

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

AREA 0019 SOUTH GEORGIA
53.05 36.04

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
18021	.0	.0	.0	100.0	.0	.0	.0	18.0	100.0	1
TOT	0	0	0	1	0	0	0	18.0		1
PCT	.0	.0	.0	100.0	.0	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	100.0	8	8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	0	0	0	1	1	8.0
TOT PCT	.0	.0	.0	100.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
NW	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0	8
VAR	.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
TOT OBS	0	0	1	0	0	0	0	0	0	0	0	1
TOT PCT	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>8	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	.0	.0	.0	.0	.0
>1000	.0	.0	.0	.0	.0	.0	.0	.0
>600	.0	.0	.0	.0	.0	.0	.0	.0
>300	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0
>150	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0
>0	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTAL	0	0	1	1	1	1	1	1

TOTAL NUMBER OF OBS: 1 PCT FREQ NH <5/8: .0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	1

JULY

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

TABLE 8

AREA 0019 SOUTH GEORGIA
53.05 36.0W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	100.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	100.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS													1
TOT PCT		.0	.0	.0	.0	.0	.0	.0	100.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	100.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	100.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS													1
TOT PCT		.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	100.0	

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

AREA 0019 SOUTH GEORGIA
53.05 36.0W

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
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
18021	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	1
TOT	0	0	1	0	0	0	0	0	0	0	1	0	1
PCT	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	0
06009	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	.0	0
18021	.0	.0	.0	100.0	.0	.0	1
TOT	0	0	0	1	0	0	1
PCT	.0	.0	.0	100.0	.0	.0	100.0

TABLE 12

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

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	.0	0
06009	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	0
18021	.0	100.0	100.0	.0	.0	1
TOT	0	1	1	0	0	1
PCT	.0	100.0	100.0	.0	.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
30/34	.0	.0	.0	.0	.0	.0	100.0	.0	1	100.0
TOTAL	0	0	0	0	0	0	1	0	1	100.0
PCT	.0	.0	.0	.0	.0	.0	100.0	.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	.0	100.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	100.0	.0	.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
00003		0	0	0	0	999			0
06009		0	0	0	0	999			0
12015		0	0	0	0	999			0
18021	30	30	30	30	30	30	30	30.0	1
TOT	30	30	30	30	30	30	30	30.0	1

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
00003										0
06009										0
12015										0
18021	.0	.0	.0	.0	100.0	.0	89	1		1
TOT	0	0	0	0	1	0	89	1		1

JULY

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

AREA 0019 SOUTH GEORGIA
53.05 36.04

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	29 32	TOT	N FOG	WG FOG
=2	100.0	1	0	100.0
TOTAL	1	1	0	1
PCT	100.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1962

TABLE 18

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

HGT	N					PCT	NE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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+													

INSUFFICIENT DATA

TOT PCT

HGT	E					PCT	SE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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+													

INSUFFICIENT DATA

TOT PCT

TABLE 18 (CONT)

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

HGT	S					PCT	SW					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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+													

INSUFFICIENT DATA

TOT PCT

HGT	W					PCT	NW					PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33			34-47
<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+														

INSUFFICIENT DATA

TOT PCT

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	PCT						TOT OBS
	0-3	4-10	11-21	22-33	34-47	48+	
<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+							

INSUFFICIENT DATA

TOT PCT

TABLE 19

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

PERIOD (SEC)																	TOTAL	MEAN HGT							
	<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+				
<6																									
6-7																									
8-9																									
10-11																									
12-13																									
>13																									
INDET																									
TOTAL																									

INSUFFICIENT DATA

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963

AUGUST

AREA 0019 SOUTH GEORGIA
54.15 36.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	20.0	20.0	.0	.0	40.0	20.0	.0	.0	.0	.0	.0	40.0
SE	.0	.0	.0	.0	36.4	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
S	.0	.0	.0	.0	28.6	.0	.0	28.6	.0	.0	28.6	.0	.0	.0	42.9
SW	28.6	.0	.0	.0	28.6	.0	.0	28.6	.0	.0	57.1	.0	.0	.0	14.3
W	.0	.0	.0	.0	30.0	.0	.0	30.0	.0	.0	30.0	.0	.0	.0	40.0
NW	.0	.0	.0	.0	14.3	.0	.0	14.3	28.6	.0	14.3	.0	.0	.0	42.9
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	100.0	.0	.0	.0	.0	.0
TOT PCT	3.1	.0	.0	3.1	37.5	.0	.0	40.6	6.3	.0	18.8	.0	.0	.0	34.4
TOT OBS:	32														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	.0	.0	57.1	.0	.0	57.1	.0	.0	28.6	.0	.0	.0	14.3
0600	.0	.0	.0	11.1	.0	.0	.0	11.1	.0	.0	44.4	.0	.0	.0	44.4
1200	12.5	.0	.0	.0	50.0	.0	.0	50.0	12.5	.0	.0	.0	.0	.0	37.5
1800	.0	.0	.0	.0	50.0	.0	.0	50.0	12.5	.0	.0	.0	.0	.0	37.5
TOT PCT	3.1	.0	.0	3.1	37.5	.0	.0	40.6	6.3	.0	18.8	.0	.0	.0	34.4
TOT OBS:	32														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	2.1	3.1	.0	.0	.0	5.2	11.6	.0	.0	10.0	30.0	.0	.0	.0	.0	.0
NE	.0	.0	11.5	.0	2.1	.0	13.5	19.6	.0	.0	.0	10.0	28.6	25.0	33.3	14.3	.0
E	7.3	6.3	2.1	2.1	.0	.0	17.7	7.5	.0	.0	30.0	10.0	28.6	50.0	.0	14.3	.0
SE	1.0	2.1	5.2	4.2	.0	.0	12.5	17.2	30.0	20.0	2.5	10.0	3.6	.0	33.3	.0	.0
S	.0	4.2	3.1	.0	.0	.0	7.3	12.4	.0	20.0	17.5	.0	10.7	.0	.0	.0	.0
SW	.0	4.2	3.1	.0	.0	.0	7.3	10.4	.0	.0	10.0	20.0	14.3	.0	.0	.0	7.1
W	.0	9.4	8.3	.0	.0	.0	17.7	10.6	12.5	30.0	10.0	10.0	14.3	12.5	.0	50.0	.0
NW	.0	9.4	3.1	2.1	.0	.0	14.6	12.0	12.5	10.0	20.0	10.0	.0	12.5	33.3	14.3	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.2						4.2	.0	25.0	20.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	6	18	19	4	1	0	48	12.0	4	5	10	5	7	4	6	7	7
TOT PCT	12.5	37.5	39.6	8.3	2.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	06	12	18		
N	.0	5.2	.0	.0	.0	5.2	11.6	.0	16.7	.0	.0	.0	.0
NE	.0	5.2	6.3	2.1	.0	13.5	19.6	.0	3.3	27.3	23.1	.0	.0
E	9.4	6.3	2.1	.0	.0	17.7	7.5	.0	23.3	36.4	7.7	.0	.0
SE	1.0	4.7	6.8	.0	.0	12.5	17.2	33.3	5.0	2.3	15.4	.0	.0
S	.0	5.7	1.6	.0	.0	7.3	12.4	11.1	11.7	6.8	.0	.0	.0
SW	.0	7.3	.0	.0	.0	7.3	10.4	.0	13.3	9.1	3.8	.0	.0
W	6.3	7.3	4.2	.0	.0	17.7	10.6	22.2	10.0	13.6	26.9	.0	.0
NW	6.3	4.2	2.1	2.1	.0	14.6	12.0	11.1	16.7	4.5	23.1	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.2					4.2	.0	22.2	.0	.0	.0	.0	.0
TOT OBS	13	22	11	2	0	48	12.0	9	15	11	13		
TOT PCT	27.1	45.8	22.9	4.2	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963

AUGUST

AREA 0019 SOUTH GEORGIA
34.15 36.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	22.2	.0	44.4	22.2	11.1	.0	.0	10.8	100.0	9
06009	.0	13.3	40.0	40.0	6.7	.0	.0	10.4	100.0	15
12015	.0	18.2	45.5	27.3	.0	9.1	.0	11.3	100.0	11
18021	.0	.0	23.1	61.5	15.4	.0	.0	15.3	100.0	13
TOT	2	4	18	19	4	1	0	12.0		48
PCT	4.2	8.3	37.5	39.6	8.3	2.1	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0	.0	.0
E	.0	.0	7.1	21.4	7.7	7.7
SE	3.6	.0	7.1	21.4	7.0	7.0
S	10.7	.0	.0	.0	1.0	1.0
SW	.0	.0	.0	7.1	8.0	8.0
W	.0	.0	.0	7.1	8.0	8.0
NW	.0	.0	7.1	.0	7.0	7.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	7.1	8.0	8.0
TOT OBS	2	0	3	9	14	6.7
TOT PCT	14.3	.0	21.4	64.3	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	21.4	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	3.6
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7
7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	7.1	.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
7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	0	0	0	0	0	0	0	0	0	0	2
21.4	.0	.0	.0	64.3	.0	.0	.0	.0	.0	.0	14

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	.0	.0	.0	.0	.0
>1000	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>600	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>300	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>150	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>0	50.0	64.3	64.3	64.3	71.4	78.6	85.7	85.7
TOTAL	7	9	9	9	10	11	12	12

TOTAL NUMBER OF OBS: 14

PCT FREQ NH <5/8: 14.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
7.1	.0	7.1	.0	.0	.0	.0	21.4	42.9	21.4	14

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963

AUGUST

AREA 0019 SOUTH GEORGIA
54.1S 36.9W

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	.0
	NO PCP	.0	.0	.0	.0	.0	3.6	.0	.0	.0	3.6	7.1	
	TOT %	.0	.0	.0	.0	.0	3.6	.0	.0	.0	3.6	7.1	
1/2<1	PCP	.0	1.8	5.4	.0	.0	3.6	1.8	1.8	.0	.0	14.4	
	NO PCP	.0	.0	.0	.0	3.6	.0	1.8	1.8	.0	.0	7.1	
	TOT %	.0	1.8	5.4	.0	3.6	3.6	3.6	3.6	.0	.0	21.4	
1<2	PCP	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
2<5	PCP	.0	.0	.0	1.8	1.8	.0	3.6	.0	.0	.0	7.1	
	NO PCP	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	3.6	
	TOT %	.0	.0	.0	1.8	1.8	1.8	5.4	.0	.0	.0	10.7	
5<10	PCP	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	3.6	
	NO PCP	.0	.0	3.6	.9	2.7	3.6	5.4	5.4	.0	.0	21.4	
	TOT %	.0	.0	3.6	4.5	2.7	3.6	5.4	5.4	.0	.0	25.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	7.1	11.6	2.7	.0	3.6	3.6	.0	.0	28.6	
	TOT %	.0	.0	7.1	11.6	2.7	.0	3.6	3.6	.0	.0	28.6	
TOT OBS												28	
TOT PCT		.0	8.9	16.1	17.9	10.7	12.5	17.9	12.5	.0	3.6	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	.0	.0	3.6	3.6	
	4-10	.0	.0	.0	.0	.0	3.6	.0	.0	.0	.0	3.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	3.6	.0	.0	.0	.0	3.6	7.1
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	3.6	.0	3.6	3.6	3.6	3.6	.0	.0	17.9	
	11-21	.0	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	3.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	1.8	3.6	.0	3.6	3.6	3.6	3.6	.0	.0	21.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	.0	3.6	
	11-21	.0	.0	.0	.0	.0	1.8	5.4	.0	.0	.0	7.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	1.8	1.8	1.8	5.4	.0	.0	.0	10.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	3.6	.0	.0	3.6	
	11-21	.0	.0	.0	.9	2.7	3.6	5.4	1.8	.0	.0	14.4	
	22+	.0	.0	3.6	3.6	.0	.0	.0	.0	.0	.0	7.1	
	TOT %	.0	.0	3.6	4.5	2.7	3.6	5.4	5.4	.0	.0	25.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	7.1	.0	.0	.0	3.6	3.6	.0	.0	14.4	
	11-21	.0	.0	.0	8.0	2.7	.0	.0	.0	.0	.0	10.7	
	22+	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	3.6	
	TOT %	.0	.0	7.1	11.6	2.7	.0	3.6	3.6	.0	.0	28.6	
TOT OBS												28	
TOT PCT		.0	8.9	16.1	17.9	10.7	12.5	17.9	12.5	.0	3.6	100.0	

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963

AREA 0019 SOUTH GEORGIA
54.15 36.9W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	33.3	.0	.0	.0	66.7	.0	.0	.0	.0	.0	100.0	.0	3
06209	50.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	75.0	25.0	4
12215	.0	.0	.0	.0	75.0	.0	.0	.0	.0	.0	75.0	25.0	4
18221	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	3
TOT	3	0	0	0	9	0	0	0	0	0	12	2	14
PCT	21.4	.0	.0	.0	64.3	.0	.0	.0	.0	.0	85.7	14.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00203	16.7	16.7	.0	33.3	16.7	16.7	6
06209	11.1	22.2	.0	.0	66.7	.0	9
12215	.0	28.6	14.3	.0	.0	57.1	7
18221	.0	16.7	16.7	16.7	.0	50.0	6
TOT	2	6	2	3	7	8	28
PCT	7.1	21.4	7.1	10.7	25.0	28.6	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00203	33.3	33.3	33.3	66.7	.0	3
06209	50.0	50.0	50.0	25.0	25.0	4
12215	.0	.0	.0	75.0	25.0	4
18221	.0	.0	.0	100.0	.0	3
TOT	3	3	3	9	2	14
PCT	21.4	21.4	21.4	64.3	14.3	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
30/34	.0	.0	.0	.0	.0	.0	5.0	25.0	6	30.0
25/29	.0	.0	.0	5.0	15.0	5.0	15.0	15.0	11	55.0
20/24	.0	.0	.0	.0	.0	15.0	.0	.0	3	15.0
TOTAL	0	0	0	1	3	4	4	8	20	100.0
PCT	.0	.0	.0	5.0	15.0	20.0	20.0	40.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.5	10.0	2.5	2.5	2.5	5.0	.0	5.0	.0	.0	.0
.0	5.0	20.0	7.5	7.5	.0	5.0	5.0	.0	.0	5.0
.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0	.0
2.5	15.0	22.5	25.0	10.0	5.0	5.0	10.0	.0	.0	5.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00203	33	32	32	30	24	24	24	29.5	10
06209	34	33	33	31	25	25	25	30.6	16
12215	33	32	32	29	26	26	26	29.4	14
18221	33	32	32	30	24	24	24	30.0	16
TOT	34	33	33	30	24	24	24	29.9	56

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00203	.0	.0	.0	.0	40.0	.0	50.0	87	4	
06209	.0	.0	16.7	16.7	16.7	16.7	50.0	86	6	
12215	.0	20.0	40.0	.0	20.0	20.0	73	5		
18221	.0	.0	.0	20.0	40.0	40.0	87	5		
TOT	0	1	3	4	4	4	8	83	20	

AUGUST

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963

AREA 0019 SOUTH GEORGIA
54.1S 96.9W

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	21 24	25 28	29 32	33 36	TOT	% FOG	NO FOG
2	.0	.0	.0	7.4	2	.0	7.4
1	.0	.0	7.4	3.7	3	.0	11.1
0	.0	.0	3.7	.0	1	.0	3.7
-1	.0	.0	22.2	.0	6	11.1	11.1
-2	.0	.0	7.4	.0	2	.0	7.4
-4	.0	3.7	.0	.0	1	.0	3.7
-5	.0	22.2	.0	.0	7	3.7	22.2
-6	.0	7.4	.0	.0	2	.0	7.4
-7/+8	11.1	.0	.0	.0	3	.0	11.1
TOTAL	3	10	11	3	27	4	23
PCT	11.1	37.0	40.7	11.1	100.0	14.8	85.2

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	7.7	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.7	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	7.7	.0	.0	.0	.0	7.7	.0	.0	1.9	.0	.0	.0	1.9	.0
5-6	.0	.0	.0	7.7	.0	.0	7.7	.0	.0	15.4	15.4	.0	.0	30.8	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	1.9
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	23.1	.0	7.7	.0	.0	30.8	.0	.0	19.2	15.4	.0	.0	34.6	.0

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	5.8	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	5.8	.0	.0	.0	5.8	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	11.5	.0	.0	.0	11.5	.0	7.7	.0	.0	.0	.0	.0	.0	7.7

HGT	W						PCT	NW						PCT	TOTAL PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7	92.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.7	15.4	.0	.0	.0	.0	23.1	
1-2	.0	15.4	.0	.0	.0	.0	15.4	
3-4	.0	7.7	7.7	.0	.0	.0	15.4	
5-6	.0	.0	15.4	23.1	.0	.0	38.5	
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	7.7	.0	.0	.0	7.7	
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	7.7	38.5	30.8	23.1	.0	.0	100.0	13

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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
6-7	.0	.0	14.3	35.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
8-9	.0	7.1	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	21.4	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	1
TOTAL PCT	3	3	2	5	.0	.0	.0	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
	21.4	21.4	14.3	35.7	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

AREA 0019 SOUTH GEORGIA
53.65 36.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FGG WU PCPN	FGG WU PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	66.7	.0	.0	66.7	.0	.0	33.3	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0
SE	.0	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	9.8	.0	9.8	7.3	.0	26.8	.0	.0	39.0	.0	.0	.0	34.1
NW	.0	.0	.0	.0	32.4	2.7	.0	35.1	.0	.0	32.4	.0	.0	.0	32.4
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	.0	.0	.0	.0
TOT PCT	.0	.0	2.9	.0	20.6	2.9	.0	26.5	.0	.0	29.4	.0	.0	.0	44.1
TOT OBS:	34														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FGG WU PCPN	FGG WU PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
0003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	60.0
0609	.0	.0	16.7	.0	33.3	.0	.0	50.0	.0	.0	16.7	.0	.0	.0	33.3
1215	.0	.0	.0	.0	36.4	.0	.0	36.4	.0	.0	27.3	.0	.0	.0	36.4
1821	.0	.0	.0	.0	7.7	7.7	.0	15.4	.0	.0	30.8	.0	.0	.0	59.8
TOT PCT	.0	.0	2.9	.0	20.0	2.9	.0	25.7	.0	.0	28.6	.0	.0	.0	45.7
TOT OBS:	35														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.0	7.1	.0	.0	.0	7.1	15.0	.0	.0	20.0	.0	.0	25.0	11.1	.0
NE	.0	.0	2.4	.0	.0	.0	2.4	13.0	.0	.0	.0	.0	.0	.0	.0	25.0
E	2.4	7.1	.0	.0	.0	.0	9.5	6.0	20.0	66.7	.0	25.0	.0	.0	.0	.0
SE	.0	11.9	.0	.0	.0	.0	11.9	7.8	.0	.0	40.0	25.0	12.5	.0	11.1	.0
S	.0	1.8	.0	2.4	.0	.0	4.2	21.7	15.0	.0	.0	.0	.0	.0	11.1	.0
SW	2.4	1.2	6.0	.0	2.4	.0	11.9	17.0	15.0	33.3	.0	.0	12.5	.0	25.0	.0
W	.0	8.9	17.9	.0	.0	.0	26.2	14.8	50.0	.0	20.0	.0	37.5	25.0	38.9	.0
NW	.0	14.3	5.4	4.8	.0	2.4	26.8	16.0	.0	.0	20.0	50.0	37.5	50.0	2.8	75.0
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	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	19	16	3	1	1	42	14.0	5	3	5	4	8	4	9	4
TOT PCT	4.8	45.2	38.1	7.1	2.4	2.4	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	.0	4.8	2.4	.0	.0	7.1	15.0	.0	11.1	8.3	7.7
NE	.0	2.4	.0	.0	.0	2.4	13.0	.0	.0	.0	7.7
E	4.8	4.8	.0	.0	.0	9.5	6.0	37.5	11.1	.0	.0
SE	2.4	9.5	.0	.0	.0	11.9	7.8	.0	33.3	8.3	7.7
S	.0	1.8	.0	2.4	.0	4.2	21.7	9.4	.0	.0	7.7
SW	3.0	.6	6.0	2.4	.0	11.9	17.0	21.9	.0	8.3	17.3
W	1.8	11.3	13.1	.0	.0	26.2	14.8	31.3	11.1	33.3	26.9
NW	7.1	12.5	2.4	2.4	2.4	26.8	16.0	.0	33.3	41.7	25.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	8	20	10	3	1	42	14.0	8	9	12	13
TOT PCT	19.0	47.6	23.8	7.1	2.4	100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

AREA 0019 SOUTH GEORGIA
53.6S 36.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							PCT MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+				
0000Z	.0	12.5	50.0	37.5	.0	.0	.0	10.2	100.0	8	
0600Z	.0	11.1	44.4	44.4	.0	.0	.0	11.0	100.0	9	
1200Z	.0	.0	50.0	41.7	8.3	.0	.0	13.7	100.0	12	
1800Z	.0	.0	38.5	30.8	15.4	7.7	7.7	18.6	100.0	13	
TOT	0	2	19	16	3	1	1	14.0		42	
PCT	.0	4.8	45.2	38.1	7.1	2.4	2.4	100.0			

TABLE 5

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

WIND DIR	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)				TOTAL OBS	MEAN CLOUD COVER
	0-2	3-4	5-7	8 & OBSCD		
N	.0	.0	.0	6.7	8.0	8.0
NE	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0
SE	6.7	.0	.0	.0	.0	.0
S	11.7	.0	.0	.0	.0	.0
SW	10.0	.0	6.7	1.7	15	3.6
W	18.3	.0	6.7	16.7	4.0	4.4
NW	6.7	.0	6.7	1.7	4.0	4.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	8	0	3	4	15	3.6
TOT PCT	53.3	.0	20.0	26.7	100.0	

TABLE 6

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

WIND DIR	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)											NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
	149	299	599	999	1999	3999	4999	6499	7999				
N	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	
SW	.0	.0	.0	.0	1.7	6.7	.0	.0	.0	.0	.0	10.0	
W	.0	.0	.0	11.7	11.7	.0	.0	.0	.0	.0	.0	18.3	
NW	.0	.0	.0	1.7	.0	6.7	.0	.0	.0	.0	.0	6.7	
VAR	.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	
TOT OBS	1	0	0	2	2	2	0	0	0	0	0	8	
TOT PCT	6.7	.0	.0	13.3	13.3	13.3	.0	.0	.0	.0	.0	53.3	

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>3000	6.7	6.7	13.3	13.3	13.3	13.3	13.3	13.3
>2000	6.7	20.0	26.7	26.7	26.7	26.7	26.7	26.7
>1000	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
>600	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
>300	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
>150	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
>0	6.7	26.7	40.0	40.0	40.0	40.0	46.7	46.7
TOTAL	1	4	6	6	6	6	7	7

TOTAL NUMBER OF OBS: 15

PCT FREQ NH <5/8: 53.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	37.5	12.5	6.3	.0	.0	.0	6.3	12.5	18.8	6.3	16

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

AREA 0019 SOUTH GEORGIA
53.65 36.74

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	.0
	NO PCP	4.3	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	13.0
	TOT %	4.3	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	13.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
2<5	PCP	.0	.0	.0	.0	.0	.0	5.4	7.6	.0	.0	.0	13.0
	NO PCP	.0	.0	4.3	.0	.0	.0	.0	4.3	.0	.0	.0	8.7
	TOT %	.0	.0	4.3	.0	.0	.0	5.4	12.0	.0	.0	.0	21.7
5<10	PCP	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3
	NO PCP	.0	.0	.0	8.7	.0	1.1	7.6	.0	.0	.0	.0	17.4
	TOT %	.0	.0	.0	8.7	.0	1.1	12.0	.0	.0	.0	.0	21.7
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	4.3	7.6	10.9	12.0	4.3	.0	.0	.0	39.1
	TOT %	.0	.0	.0	4.3	7.6	10.9	12.0	4.3	.0	.0	.0	39.1
TOT OBS													23
TOT PCT		4.3	.0	4.3	17.4	7.6	12.0	38.0	16.3	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3
	11-21	4.3	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	8.7
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	4.3	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	13.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	4.3	.0	.0	.0	2.2	2.2	.0	.0	.0	8.7
	11-21	.0	.0	.0	.0	.0	.0	3.3	9.8	.0	.0	.0	13.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	4.3	.0	.0	.0	5.4	12.0	.0	.0	.0	21.7
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	8.7
	11-21	.0	.0	.0	.0	.0	1.1	12.0	.0	.0	.0	.0	13.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	8.7	.0	1.1	12.0	.0	.0	.0	.0	21.7
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	4.3	3.3	2.2	3.3	4.3	.0	.0	.0	17.4
	11-21	.0	.0	.0	.0	.0	4.3	8.7	.0	.0	.0	.0	13.0
	22+	.0	.0	.0	.0	4.3	4.3	.0	.0	.0	.0	.0	8.7
	TOT %	.0	.0	.0	4.3	7.6	10.9	12.0	4.3	.0	.0	.0	39.1
TOT OBS													23
TOT PCT		4.3	.0	4.3	17.4	7.6	12.0	38.0	16.3	.0	.0	.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

AREA 0019 SOUTH GEORGIA
53.65 36.7W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	3
06009	25.0	.0	.0	.0	25.0	75.0	.0	.0	.0	.0	75.0	25.0	4
12015	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
18021	.0	.0	.0	20.0	.0	20.0	.0	.0	.0	.0	40.0	60.0	5
TOT	1	0	0	2	2	2	0	0	0	0	7	9	16
PCT	6.3	.0	.0	12.5	12.5	12.5	.0	.0	.0	.0	42.8	56.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	25.0	.0	.0	25.0	25.0	25.0	4
06009	16.7	.0	16.7	33.3	16.7	16.7	6
12015	.0	.0	.0	16.7	33.3	50.0	6
18021	12.5	.0	.0	12.5	25.0	50.0	8
TOT	3	0	1	5	6	9	24
PCT	12.5	.0	4.2	20.8	25.0	37.5	100.0

TABLE 12

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

HR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	33.3	33.3	33.3	33.3	3
06009	25.0	25.0	40.0	25.0	25.0	4
12015	.0	.0	33.3	.0	66.7	3
18021	.0	.0	20.0	20.0	60.0	5
TOT	1	2	5	3	7	15
PCT	6.7	13.3	33.3	20.0	46.7	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 DBS	PCT FREQ
30/34	.0	.0	.0	.0	16.7	11.1	27.8	33.3	16	88.9
29/29	.0	.0	.0	.0	.0	5.6	5.6	.0	2	11.1
TOTAL	0	0	0	0	3	3	6	6	18	100.0
PCT	.0	.0	.0	.0	16.7	16.7	33.3	33.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NH	VAR	CALM
30/34	5.6	.0	5.6	11.1	4.2	13.9	38.9	9.7	.0	.0
29/29	.0	.0	.0	.0	5.6	1.4	4.2	.0	.0	.0
TOTAL	5.6	.0	5.6	11.1	9.7	15.3	43.1	9.7	.0	.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	34	33	33	30	27	27	27	30.1	9
06009	33	32	32	31	30	30	30	31.6	11
12015	34	33	33	33	29	29	29	32.6	17
18021	34	33	33	32	27	27	27	31.1	17
TOT	34	33	33	32	28	27	27	31.5	54

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	.0	40.0	20.0	40.0	88	5
06009	.0	.0	25.0	.0	50.0	25.0	80	4
12015	.0	.0	25.0	.0	50.0	25.0	84	4
18021	.0	.0	20.0	20.0	20.0	40.0	84	5
TOT	0	0	3	3	6	6	64	18

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

APEA 0019 SOUTH GEORGIA
53.65 36.74

TABLE 17

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

AIR-SEA TMP DIF	25 28	29 32	33 36	TOT	% FOG	HD FOG
4	.0	.0	3.2	1	3.2	.0
3	.0	.0	3.2	1	3.2	.0
2	.0	.0	16.1	5	.0	16.1
1	.0	9.7	12.9	7	6.5	16.1
0	.0	6.5	.0	2	3.2	3.2
-1	3.2	25.8	.0	9	12.9	16.1
-2	.0	9.7	.0	3	.0	9.7
-3	.0	3.2	.0	1	.0	3.2
-4	6.5	.0	.0	2	.0	6.5
TOTAL	3	17	11	31	9	22
PCT	9.7	54.8	35.5	100.0	29.0	71.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	7.1
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	7.1

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER

AREA 0019 SOUTH GEORGIA
53.65 36.7W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	1.8
5-6	.0	5.4	.0	.0	.0	.0	.0	5.4	.0	1.8	1.8	.0	.0	.0	.0	3.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	7.1
8-9	.0	.0	.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	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	7.1	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	5.4	.0	7.1	.0	.0	.0	12.5	.0	3.6	8.9	.0	.0	.0	.0	12.5

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	19.6	.0	.0	.0	.0	19.6	.0	7.1	1.8	.0	.0	.0	.0	8.9	
3-4	.0	5.4	7.1	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	5.4	.0	.0	.0	.0	5.4	.0	.0	7.1	.0	.0	.0	.0	7.1	
7	.0	.0	.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	.0	.0	
10-11	.0	.0	7.1	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	5.4	39.3	.0	.0	.0	.0	44.6	.0	7.1	8.9	.0	.0	.0	.0	16.1 100.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	28.6	.0	.0	.0	.0	35.7
3-4	.0	14.3	7.1	.0	.0	.0	.0	21.4
5-6	.0	7.1	14.3	.0	.0	.0	.0	21.4
7	.0	.0	7.1	.0	.0	.0	.0	7.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	7.1	.0	.0	.0	.0	7.1
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	7.1	.0	.0	.0	7.1
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	.0	28.6	64.3	7.1	.0	.0	.0	100.0

PERIOD: (OVER-ALL) 1951-1975

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	
4-6	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
5-7	.0	20.0	13.3	13.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
8-9	.0	6.7	.0	.0	6.7	6.7	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
10-11	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
TOTAL	0	5	3	2	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	15	5
PCT	.0	33.3	20.0	13.3	6.7	6.7	13.3	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1907-1952

AREA 0019 SOUTH GEORGIA
53.9S 35.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG W/ PCPN	FGG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	11.1	22.2	22.2	.0	44.4	.0	.0	77.8	.0	.0	11.1	.0	.0	.0	11.1
NE	.0	.0	.0	.0	52.4	.0	.0	52.4	.0	.0	9.5	.0	.0	.0	38.1
E	.0	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	50.0	.0	.0	.0	25.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	40.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0
SW	.0	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	.0	.0	.0	93.3
W	.0	4.2	12.5	.0	8.3	.0	.0	20.8	.0	.0	22.9	.0	.0	.0	56.3
Nw	23.9	5.6	.0	.0	8.5	.0	.0	35.2	.0	.0	16.9	.0	.0	.0	47.9
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	.0	20.0	.0	.0	.0	80.0
TOT PCT	8.6	3.8	3.8	.0	15.2	.0	.0	28.6	.0	.0	14.3	.0	.0	.0	57.1
TOT OBS:	105														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG W/ PCPN	FGG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	8.0	16.0	12.0	.0	20.0	.0	.0	48.0	.0	.0	16.0	.0	.0	.0	36.0
0600	.0	.0	3.2	.0	9.7	.0	.0	12.9	.0	.0	19.4	.0	.0	.0	67.7
1200	19.8	.0	.0	.0	19.8	.0	.0	31.6	.0	.0	15.8	.0	.0	.0	52.6
1800	12.9	.0	.0	.0	16.1	.0	.0	25.6	.0	.0	6.5	.0	.0	.0	67.7
TOT PCT	8.5	3.4	3.8	.0	15.1	.0	.0	28.3	.0	.0	14.2	.0	.0	.0	57.5
TOT OBS:	106														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.8	.8	2.0	.8	.0	.0	4.3	15.1	22.2	.0	2.5	5.9	.0	2.6	2.4	5.3	
NE	.0	3.9	5.1	.0	.0	.0	9.0	11.7	.0	5.3	10.0	17.6	50.0	7.9	4.8	5.3	
E	.0	.8	1.2	.0	.0	.0	2.0	11.0	.0	.0	5.0	.0	.0	7.9	.0	.0	
SE	.0	3.1	.0	.0	.0	.0	3.1	7.0	.0	.0	5.0	5.9	.0	10.5	.0	.0	
S	.0	1.6	2.3	.8	.0	.0	4.7	14.6	.0	5.3	5.0	5.9	.0	.0	9.5	5.3	
SW	1.2	6.3	4.7	3.5	1.2	.0	16.8	15.9	11.1	10.5	17.5	14.7	37.5	18.4	23.8	13.2	
W	.8	5.5	9.0	8.6	.4	.0	24.2	17.7	44.4	28.9	30.0	11.8	12.5	7.9	33.3	23.7	
Nw	4.3	6.3	13.3	5.9	2.3	.0	32.0	16.1	22.2	44.7	20.0	32.4	.0	44.7	21.4	42.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.9						3.9	.0	.0	5.3	5.0	5.9	.0	.0	4.8	5.3	
TOT OBS	14	36	48	25	5	0	128	14.9	9	19	20	17	4	19	21	18	
TOT PCT	10.9	28.1	37.5	19.5	3.9	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.8	1.2	1.6	.8	.0	4.3	15.1	7.1	4.1	2.2	3.8	
NE	.0	8.2	.8	.0	.0	9.0	11.7	3.6	13.5	15.2	5.0	
E	.0	2.0	.0	.0	.0	2.0	11.0	.0	2.7	6.5	.0	
SE	1.6	1.6	.0	.0	.0	3.1	7.0	.0	5.4	8.7	.0	
S	.0	3.1	1.6	.0	.0	4.7	14.6	3.6	5.4	.0	7.5	
SW	2.7	7.4	2.7	3.9	.0	16.8	15.9	10.7	16.2	21.7	16.8	
W	2.3	8.6	8.6	4.7	.0	24.2	17.7	33.9	21.6	8.7	28.8	
Nw	5.9	12.5	7.4	5.5	.8	32.0	16.1	37.5	25.7	37.0	31.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.9					3.9	.0	3.6	5.4	.0	5.0	
TOT OBS	22	57	29	19	1	128	14.9	28	37	23	40	
TOT PCT	17.2	44.5	22.7	14.8	.8	100.0		100.0	100.0	100.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1903-1952

AREA 0019 SOUTH GEORGIA
33.9S 35.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+				
0000	3.6	3.6	32.1	35.7	21.4	3.6	.0	15.3	100.0	28	
0600	5.4	10.8	32.4	24.3	21.6	5.4	.0	14.3	100.0	37	
1200	.0	8.7	25.1	39.1	17.4	8.7	.0	16.3	100.0	23	
1800	5.0	5.0	22.5	50.0	17.5	.0	.0	14.4	100.0	40	
TOT	5	9	36	48	25	5	0	14.9		128	
PCT	3.9	7.0	28.1	37.5	19.5	3.9	.0	100.0			

TABLE 5

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

WIND DIR	PCT FREQ				TOTAL OBS	MEAN CLOUD COVER
	0-2	3-4	5-7	8-10		
N	.0	.0	50.0	.0		7.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	50.0	.0	.0	.0		1.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	0	1	0	2	4.0
TOT PCT	50.0	.0	50.0	.0	100.0	

TABLE 6

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

WIND DIR	PCT FREQ											NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+				
N	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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	.0	.0
TOT OBS	0	0	0	0	0	0	1	0	0	0	0	0	0	2
TOT PCT	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>2000	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>1000	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>600	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>300	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>150	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>0	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
TOTAL	0	0	1	1	1	1	1	1

TOTAL NUMBER OF OBS: 2 PCT FREQ NH <5/8: 50.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
.0	50.0	.0	.0	.0	.0	.0	50.0	.0	2

OCTOBER

PERIOD: (PRIMARY) 1921-1952
(OVER-ALL) 1903-1952

TABLE 8

AREA 0019 SOUTH GEORGIA
53.95 35.9W

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
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	5.4	.0	.0	5.4	
	NO PCP	.5	.0	.0	.0	.0	.0	3.2	1.6	.0	1.1	6.5	
	TOT %	.5	.0	.0	.0	.0	.0	3.2	7.0	.0	1.1	11.9	
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	1.6	.0	.0	.0	1.1	.0	.0	1.6	.0	.0	4.3	
	NO PCP	.0	1.1	.0	.0	.0	.0	.0	2.2	.0	.0	3.2	
	TOT %	1.6	1.1	.0	.0	1.1	.0	.0	3.8	.0	.0	7.5	
2<5	PCP	1.1	3.8	.5	.0	.0	.5	2.7	.0	.0	.0	8.6	
	NO PCP	.5	1.1	.0	.0	.0	.0	.5	2.2	.0	.0	4.3	
	TOT %	1.6	4.8	.5	.0	.0	.5	3.2	2.2	.0	.0	12.9	
5<10	PCP	.0	.0	.0	.0	.0	.0	2.2	1.1	.0	.0	3.2	
	NO PCP	.0	2.2	.5	3.8	2.2	15.1	13.4	11.3	.0	1.1	49.5	
	TOT %	.0	2.2	.5	3.8	2.2	15.1	15.6	12.4	.0	1.1	52.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	2.2	
	NO PCP	.0	1.1	.0	.0	1.1	.0	1.1	6.5	.0	3.2	12.9	
	TOT %	.0	1.1	.0	.0	1.1	.0	1.1	8.6	.0	3.2	15.1	
TOT OBS												93	
TOT PCT		3.8	9.1	1.1	3.8	4.3	15.6	23.1	33.9	.0	5.4	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	.5	.0	.0	.0	.0	.0	.0	1.6	.0	1.1	3.2	
	4-10	.0	.0	.0	.0	.0	.0	1.1	3.2	.0	.0	4.3	
	11-21	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	3.2	
	TOT %	.5	.0	.0	.0	.0	.0	3.2	7.0	.0	1.1	11.8	
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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	11-21	1.6	.0	.0	.0	1.1	.0	.0	2.7	.0	.0	5.4	
	22+	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	1.1	
	TOT %	1.6	1.1	.0	.0	1.1	.0	.0	3.8	.0	.0	7.5	
2<5	0-3	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	1.1	
	4-10	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.1	
	11-21	.0	4.8	.5	.0	.0	.0	.5	1.6	.0	.0	7.5	
	22+	.0	.0	.0	.0	.0	.5	2.7	.0	.0	.0	3.2	
	TOT %	1.6	4.8	.5	.0	.0	.5	3.2	2.2	.0	.0	12.9	
5<10	0-3	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	1.1	3.2	
	4-10	.0	1.1	.5	3.8	1.1	4.3	4.3	2.2	.0	.0	17.2	
	11-21	.0	1.1	.0	.0	.0	5.9	5.9	5.4	.0	.0	18.3	
	22+	.0	.0	.0	.0	1.1	3.8	5.4	3.8	.0	.0	14.0	
	TOT %	.0	2.2	.5	3.8	2.2	15.1	15.6	12.4	.0	1.1	52.7	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.2	4.3	
	4-10	.0	1.1	.0	.0	1.1	.0	.0	1.1	.0	.0	3.2	
	11-21	.0	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	3.2	
	22+	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	4.3	
	TOT %	.0	1.1	.0	.0	1.1	.0	1.1	8.6	.0	3.2	15.1	
TOT OBS												93	
TOT PCT		3.8	9.1	1.1	3.8	4.3	15.6	23.1	33.9	.0	5.4	100.0	

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1903-1952

AREA 0019 SOUTH GEORGIA
53.9S 35.9W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0	50.0	2
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOT	0	0	0	0	0	0	1	0	0	0	1	1	2
PCT	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	18.2	.0	4.5	27.3	45.5	4.5	22
06009	17.2	.0	3.4	10.3	48.3	20.7	29
12015	6.7	.0	13.9	6.7	33.3	20.0	15
18021	3.6	.0	10.7	7.1	60.7	17.9	28
TOT	11	0	7	12	49	15	94
PCT	11.7	.0	7.4	12.8	52.1	16.0	100.0

TABLE 12

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

HR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	.0	50.0	.0	50.0	2
06009	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	0
18021	.0	.0	.0	.0	.0	0
TOT	0	0	1	0	1	2
PCT	.0	.0	50.0	.0	50.0	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 DBS	PCT FREQ
35/39	.0	.0	.0	.0	.0	2.4	2.4	26.8	13	31.7
30/34	.0	.0	.0	.0	.0	2.4	14.6	41.5	24	58.5
25/29	.0	.0	.0	.0	.0	.0	.0	9.8	4	9.8
TOTAL	0	0	0	0	0	2	7	32	41	100.0
PCT	.0	.0	.0	.0	.0	4.9	17.1	78.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.4	.0	4.9	.0	2.4	9.8	12.2	.0	.0	
2.4	4.9	3.7	3.7	2.4	6.1	18.3	14.6	.0	2.4	
.0	.0	.0	.0	.0	3.7	6.1	.0	.0	.0	
2.4	7.3	3.7	8.5	2.4	12.2	34.1	26.8	.0	2.4	

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	44	43	39	33	29	26	26	33.8	30
06009	47	46	44	33	27	26	26	33.6	37
12015	50	49	45	34	32	25	25	35.0	27
18021	48	47	44	33	27	26	26	33.9	46
TOT	50	48	43	33	27	26	25	34.0	140

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	.0	.0	.0	100.0	98	9
06009	.0	.0	.0	10.0	20.0	70.0	95	10
12015	.0	.0	.0	10.0	20.0	70.0	94	10
18021	.0	.0	.0	.0	25.0	75.0	94	12
TOT	0	0	0	2	7	32	95	41

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1903-1952

APEA 0019 SOUTH GEORGIA
53.9S 35.9W

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	25 28	29 32	33 36	37 40	TOT	%	WD FOG
9/10	.0	.0	.0	1.4	1	.0	1.4
7/8	.0	.0	.0	1.4	1	.0	1.4
6	.0	.0	1.4	2.7	3	1.4	2.7
5	.0	.0	4.1	.0	3	.0	4.1
4	.0	.0	2.7	1.4	3	.0	4.1
3	.0	.0	13.5	1.4	11	5.4	9.5
2	.0	4.1	12.2	.0	12	2.7	13.5
1	.0	2.7	12.2	.0	11	1.4	13.5
0	.0	5.4	14.9	.0	15	1.4	18.9
-1	.0	5.4	1.4	.0	5	.0	6.8
-2	.0	2.7	.0	.0	2	.0	2.7
-3	1.4	1.4	.0	.0	2	.0	2.7
-4	1.4	1.4	1.4	.0	3	.0	4.1
-6	1.4	.0	.0	.0	1	.0	1.4
-11/-13	1.4	.0	.0	.0	1	.0	1.4
TOTAL	4	17	47	6	74	9	65
PCT	5.4	23.0	63.5	8.1	100.0	12.2	87.8

PERIOD: (OVER-ALL) 1903-1952

TABLE 18

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

MGT	N					PCT	NE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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+													

INSUFFICIENT DATA

TOT PCT

MGT	E					PCT	SE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<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+													

INSUFFICIENT DATA

TOT PCT

PERIOD: (OVER-ALL) 1963-1992

OCTOBER

AREA 0019 SOUTH GEORGIA
53.95 35.9W

TABLE 18 (CONT)

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

HGT	S					SW					PCT		
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33		34-47	48+
<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													

INSUFFICIENT DATA

HGT	W					NW					PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3	4-10	11-21	22-33			34-47
<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													

INSUFFICIENT DATA

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<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								

INSUFFICIENT DATA

PERIOD: (OVER-ALL) 9999-1952

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	25-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6																						
6-7																						
8-9																						
10-11																						
12-13																						
>13																						
INDET																						
TOTAL																						

INSUFFICIENT DATA

NOVEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1911-1975

AREA 0019 SOUTH GEORGIA
53.95 36.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	25.2	13.4	1.7	3.4	10.1	.0	1.7	30.4	.0	.0	19.3	.0	.0	.0	30.3
NE	.0	3.9	.0	.0	43.1	.0	3.9	51.0	.0	.0	7.8	.0	.0	.0	41.2
E	.0	4.9	.0	.0	27.2	.0	.0	27.2	.0	.0	4.9	.0	.0	.0	67.9
SE	5.2	2.6	.0	.0	36.4	.0	.0	36.4	.0	.0	26.0	.0	.0	.0	37.7
S	4.1	2.0	.0	.0	28.6	.0	.0	28.6	.0	.0	6.1	.0	2.0	.0	63.3
SW	1.7	.0	.0	.0	6.8	.0	.0	8.5	.0	.0	8.5	.0	6.8	.0	76.3
W	2.9	.7	.7	.0	8.3	.0	.0	12.6	1.1	.0	15.5	.0	2.2	.0	68.7
NW	12.1	6.7	1.3	1.3	17.8	.0	.0	34.6	.3	.0	32.9	.0	.0	.0	32.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.6	.0	5.7	.0	8.6	.0	.0	22.9	.0	.0	2.9	.0	.0	.0	74.3
TOT PCT	7.6	3.8	1.3	.6	16.5	.0	.3	27.3	.3	.0	16.8	.0	1.3	.0	54.3
TOT OBS:	315														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	13.5	1.9	.0	1.9	15.4	.0	.0	30.8	.0	.0	13.5	.0	.0	.0	55.8
06009	5.3	3.2	2.1	1.1	14.7	.0	.0	24.2	.0	.0	18.9	.0	.0	.0	56.8
12015	8.1	1.4	1.4	.0	14.9	.0	1.4	25.7	.0	.0	23.0	.0	1.4	.0	50.0
18021	5.2	6.1	1.7	.0	19.1	.0	.0	27.8	.9	.0	10.4	.0	2.6	.0	58.3
TOT PCT	7.1	3.6	1.5	.6	16.4	.0	.3	26.8	.3	.0	16.1	.0	1.2	.0	55.7
TOT OBS:	336														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.8	3.9	3.2	1.0	.4	.6	9.9	15.8	10.0	9.0	6.5	8.1	11.5	13.5	9.9	11.0
NE	.9	1.8	1.5	.1	.0	.0	4.4	8.5	10.0	.0	3.2	2.3	4.1	6.7	5.3	4.0
E	2.4	1.0	2.1	.6	.0	.0	6.0	9.0	5.0	7.7	6.0	2.3	1.4	6.7	8.6	7.4
SE	1.0	1.2	2.5	1.2	.0	.0	5.9	14.2	5.0	3.6	1.9	3.5	4.7	4.8	10.5	9.6
S	.6	1.3	2.8	1.8	.7	.3	7.5	19.2	5.0	6.4	5.1	8.1	11.5	11.5	6.6	4.9
SW	1.4	1.4	6.1	1.1	.3	.0	10.4	15.1	22.5	6.4	12.0	15.1	9.5	3.8	9.2	12.2
W	1.7	2.8	12.8	3.5	1.5	1.0	23.2	19.0	16.3	24.4	27.3	25.6	21.6	22.1	21.1	24.4
NW	.4	4.4	14.2	3.3	.1	.4	23.2	16.8	26.3	26.9	21.3	18.6	35.8	21.2	23.7	15.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.7						9.7	.0	.0	15.4	16.7	16.3	.0	9.6	5.3	9.8
TOT OBS	68	64	164	47	11	8	362	14.6	20	39	54	43	37	52	76	41
TOT PCT	18.8	17.7	43.3	13.0	3.0	2.2	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	09	15
N	2.6	2.9	3.2	.1	1.0	9.9	15.8	9.3	7.2	12.6	10.3
NE	2.1	1.9	.3	.0	.0	4.4	8.5	3.4	2.8	5.6	5.1
E	3.0	2.3	.4	.0	.0	6.0	9.0	6.8	4.4	6.5	8.1
SE	1.4	2.6	1.0	1.0	.0	5.9	14.2	4.2	2.6	4.8	10.3
S	1.0	2.4	2.7	1.1	.3	7.5	19.2	5.9	6.4	11.5	6.0
SW	1.9	3.5	4.2	.6	.1	10.4	15.1	11.9	13.4	6.2	10.3
W	2.8	7.0	9.0	3.4	1.1	23.2	19.0	21.6	26.5	21.9	22.2
NW	1.2	9.7	11.0	.7	.6	23.2	16.8	26.7	20.1	27.2	20.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.7					9.7	.0	10.2	16.5	5.6	6.8
TOT OBS	93	117	115	26	11	362	14.6	39	97	89	117
TOT PCT	25.7	32.3	31.8	7.2	3.0	100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1911-1975

APGA 0019 SOUTH GEORGIA
53.95 36.3M

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+				
0000	10.2	13.6	13.6	47.5	11.9	1.7	1.7	13.8	100.0	59	
0600	16.5	6.2	13.4	52.6	6.2	2.1	3.1	13.9	100.0	97	
1200	5.6	7.9	15.0	50.6	13.5	2.2	2.2	13.1	100.0	89	
1800	6.8	10.3	23.1	34.2	18.8	5.1	1.7	13.3	100.0	117	
TOT	35	33	64	164	47	11	8	14.6		362	
PCT	9.7	9.1	17.7	45.3	13.0	3.0	2.2	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	2.2	2.8	7.5	
E	.0	.0	.0	3.9	8.0	
SE	.0	.0	.0	1.7	8.0	
S	.0	.0	7.2	2.8	6.8	
SW	.0	.0	4.4	8.9	7.5	
W	.0	.0	10.0	13.3	7.2	
NH	2.2	4.4	5.0	18.3	6.7	
VAR	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	
TOT OBS	1	2	15	27	45	7.2
TOT PCT	2.2	4.4	33.3	60.0	100.0	

TABLE 6

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

WIND DIR	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	6.1	2.2	.0	.0	2.2	.0	.0	.0	.0	.0	.0	2.2	7.6
NE	.0	.0	.6	.0	2.2	2.2	.0	.0	.0	.0	.0	.0	7.5
E	.0	.0	1.7	.0	.0	.0	2.2	.0	.0	.0	.0	.0	8.0
SE	.0	.0	.0	.6	.0	.0	1.1	.0	.0	.0	.0	.0	8.0
S	.0	.0	2.2	1.7	1.7	.0	2.2	.0	.0	.0	.0	.0	6.8
SW	.0	.0	.6	4.4	5.6	2.2	1.1	.0	.0	.0	.0	.0	7.5
W	.0	.0	2.2	11.7	7.2	2.2	.0	.0	.0	.0	.0	.0	7.2
NH	5.0	2.2	.0	3.9	7.8	.0	.0	.0	.0	.0	.0	.0	6.7
VAR	.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	.0
TOT OBS	1	2	3	10	12	3	3	0	0	0	0	0	45
TOT PCT	11.1	4.4	6.7	22.2	26.7	6.7	6.7	.0	.0	.0	.0	.0	15.6

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	6.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5
>2000	10.6	14.9	14.9	14.9	14.9	14.9	14.9	14.9
>1000	25.5	31.9	42.6	42.6	42.6	42.6	42.6	42.6
>600	27.7	44.7	61.7	63.8	63.8	66.0	66.0	66.0
>300	27.7	46.8	66.0	68.1	68.1	70.2	70.2	70.2
>150	27.7	46.8	66.0	68.1	70.2	74.5	74.5	74.5
>0	27.7	46.8	66.0	68.1	70.2	83.0	85.1	85.1
TOTAL	13	22	31	32	33	39	40	40

TOTAL NUMBER OF OBS: 47 PCT FREQ NH <5/8: 14.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	2.0	2.0	6.0	2.0	.0	10.0	6.0	14.0	48.0	8.0	50

NOVEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1911-1975

APEA 0019 SOUTH GEORGIA
53.9S 36.3W

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	.4	.0	.7	.0	.0	.0	.2	.9	.0	.4	2.4	
	NO PCP	1.2	.2	.4	1.1	.2	.2	.4	2.3	.0	.4	6.7	
	TOT %	1.6	.2	1.1	1.1	.2	.2	.5	3.2	.0	.7	8.4	
1/2<1	PCP	1.6	.2	.4	.0	.0	.0	.2	.9	.0	.0	3.3	
	NO PCP	.2	.2	.0	.0	.0	.4	.5	3.5	.0	.0	4.3	
	TOT %	1.8	.4	.4	.0	.0	.4	.7	4.4	.0	.0	8.1	
1<2	PCP	.0	.0	.4	.9	.5	.0	.2	.9	.0	.0	2.6	
	NO PCP	.2	.0	.4	.0	.0	.2	.2	.9	.0	.0	1.8	
	TOT %	.2	.0	.7	.9	.5	.2	.4	1.8	.0	.0	4.8	
2<5	PCP	.5	.0	.0	.5	1.3	.2	.8	1.7	.0	.0	5.1	
	NO PCP	.4	.4	.4	.2	.9	1.0	1.8	.8	.0	.0	5.9	
	TOT %	.9	.4	.4	.7	2.2	1.2	2.7	2.6	.0	.0	11.0	
5<10	PCP	1.6	2.0	.2	.0	.4	.5	1.5	1.8	.0	2.6	10.4	
	NO PCP	2.0	.8	3.2	1.0	3.0	4.9	12.6	5.3	.0	9.5	42.5	
	TOT %	3.7	2.8	3.4	1.0	3.4	5.5	14.1	7.1	.0	12.1	53.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.9	.7	1.1	1.1	1.6	2.7	3.4	2.8	.0	.0	14.3	
	TOT %	.9	.7	1.1	1.1	1.6	2.7	3.4	2.8	.0	.0	14.3	
TOT OBS												273	
TOT PCT		9.1	4.5	7.1	4.9	7.9	10.1	21.8	22.0	.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
<1/2	0-3	.2	.2	.4	.7	.0	.0	.0	.0	.0	.7	2.1	
	4-10	1.1	.0	.0	.0	.0	.0	.0	1.1	.0	.0	2.1	
	11-21	.0	.0	.5	.2	.2	.2	.5	2.0	.0	.0	3.6	
	22+	.3	.0	.4	.4	.0	.0	.0	.4	.0	.0	1.4	
	TOT %	1.5	.2	1.3	1.3	.2	.2	.5	3.5	.0	.7	9.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.9	.2	.0	.0	.0	.0	.0	.4	.0	.0	1.4	
	11-21	.7	.2	.4	.0	.0	.4	.4	2.3	.0	.0	4.3	
	22+	.2	.0	.0	.0	.0	.0	.4	1.6	.0	.0	2.1	
	TOT %	1.8	.4	.4	.0	.0	.4	.7	4.3	.0	.0	7.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.2	.0	.2	.5	.0	.0	1.1	
	11-21	.2	.0	.4	.4	.4	.2	.2	1.3	.0	.0	2.9	
	22+	.0	.0	.4	.4	.0	.0	.0	.4	.0	.0	1.1	
	TOT %	.2	.0	.7	.9	.5	.2	.4	2.1	.0	.0	5.0	
2<5	0-3	.0	.0	.0	.0	.2	.5	.0	.0	.0	.0	.7	
	4-10	.0	.4	.0	.2	.2	.5	.4	.0	.0	.0	1.8	
	11-21	.9	.0	.4	.5	.9	.2	1.2	1.7	.0	.0	5.7	
	22+	.0	.0	.0	.0	.9	.3	.9	.4	.0	.0	2.5	
	TOT %	.9	.4	.4	.7	2.1	1.2	2.6	2.5	.0	.0	10.7	
5<10	0-3	.4	.8	2.6	.2	.4	.7	2.1	.4	.0	11.8	19.2	
	4-10	.7	1.3	.4	.6	.6	.5	.9	1.8	.0	.0	6.8	
	11-21	1.3	.7	.4	.2	.9	3.8	7.7	3.4	.0	.0	18.2	
	22+	1.3	.0	.0	.0	1.4	.4	3.0	1.4	.0	.0	7.5	
	TOT %	3.6	2.8	3.3	1.0	3.3	5.4	13.8	7.0	.0	11.8	51.8	
10+	0-5	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	4-10	1.6	.0	.5	.2	.5	.5	.4	.5	.0	.0	4.3	
	11-21	.0	.7	.5	.9	.6	1.7	2.2	2.2	.0	.0	8.9	
	22+	.0	.0	.0	.0	.4	.7	.7	.0	.0	.0	1.8	
	TOT %	1.6	.9	1.3	1.1	1.5	2.9	3.3	2.8	.0	.0	15.4	
TOT OBS												280	
TOT PCT		9.6	4.6	7.2	4.9	7.7	10.2	21.3	22.1	.0	12.5	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1911-1975

AREA 0019 SOUTH GEORGIA
53.95 36.3W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00Z03	.0	.0	.0	28.6	28.6	28.6	.0	.0	.0	.0	85.7	14.3	7
06Z09	12.5	12.5	12.5	12.5	25.0	12.5	12.5	.0	.0	.0	100.0	.0	8
12Z15	20.0	.0	13.3	26.7	20.0	.0	.0	.0	.0	.0	80.0	20.0	15
18Z21	5.6	5.6	.0	22.2	33.3	.0	16.7	.0	.0	.0	83.3	16.7	18
TOT	5	2	3	11	13	3	4	0	0	0	41	7	48
PCT	10.4	4.2	6.3	22.9	27.1	6.3	8.3	.0	.0	.0	85.4	14.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00Z03	8.2	4.1	8.2	18.4	49.0	12.2	49
06Z09	10.5	9.3	7.0	5.8	55.8	11.6	86
12Z15	12.7	6.3	6.3	9.5	42.9	22.2	63
18Z21	9.8	8.7	1.9	10.7	58.3	14.6	103
TOT	27	23	16	31	159	45	301
PCT	9.0	7.6	5.3	10.3	52.8	15.0	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<50YD	<1	<5	AND5+	AND 5+	OBS
00Z03	.0	.0	28.6	57.1	14.3	7
06Z09	12.5	37.5	62.5	37.5	.0	8
12Z15	21.4	28.6	64.3	14.3	21.4	14
18Z21	5.6	16.7	55.6	33.3	11.1	18
TOT	5	10	26	15	6	47
PCT	10.6	21.3	55.3	31.9	12.8	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	PCT
									OBS	FREQ
50/54	.0	.0	.0	.0	.3	.3	.0	.0	3	1.0
45/49	.0	.3	.0	.0	.7	1.3	.7	.0	9	3.0
40/44	.0	.0	.3	.7	1.0	2.3	3.6	2.6	32	10.5
35/39	.0	.0	.0	.0	1.3	2.6	5.6	16.4	79	25.9
30/34	.0	.0	.0	.0	1.0	3.0	9.2	40.0	162	53.1
25/29	.0	.0	.0	.0	.0	.7	1.0	4.9	20	6.6
TOTAL	0	1	1	2	13	31	62	195	305	100.0
PCT	.0	.3	.3	.7	4.3	10.2	20.3	63.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.2	.2	.0	.3	.2	.2	.0	.0
.0	.0	.0	.0	.0	1.1	1.5	.3	.0	.0
.9	.0	1.1	.4	.4	.6	3.0	1.7	.0	2.3
4.1	1.0	.8	.2	.2	.8	6.3	6.6	.0	5.9
3.1	2.4	3.4	3.6	4.8	8.0	13.0	12.3	.0	2.6
.7	.3	.7	.7	.9	.1	1.3	1.3	.0	.7
8.8	3.7	6.1	5.0	6.2	11.0	25.2	22.5	.0	11.5

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00Z03	49	48	43	33	29	27	27	33.8	64
06Z09	49	48	44	33	28	26	26	34.2	112
12Z15	49	45	42	34	30	29	29	35.0	104
18Z21	50	49	44	34	29	27	27	34.6	133
TOT	50	49	44	34	29	27	26	34.5	413

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00Z03	.0	.0	1.9	14.8	11.1	72.2	92	54		
06Z09	.0	2.2	2.2	9.7	21.5	64.5	91	33		
12Z15	.0	2.8	3.6	4.2	23.9	63.4	90	71		
18Z21	.0	1.9	8.6	12.1	20.6	59.8	89	107		
TOT	0	6	13	33	65	208	90	325		

NOVEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1911-1975

AREA 0019 SOUTH GEORGIA
53.95 36.3W

TABLE 17

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

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	42 45	TOT	% FOG	#0 FOG
9/10	.0	.0	.0	.0	.9	.5	3	.0	1.4
7/8	.0	.0	.0	.9	.5	.6	3	.0	1.4
6	.0	.0	.0	.0	.5	.0	1	.0	.5
5	.0	.0	.9	3.3	.0	.0	9	.9	3.3
4	.0	.0	1.9	3.4	.5	.0	13	1.4	4.7
3	.0	.0	8.5	2.4	.5	.0	24	.9	10.4
2	.0	1.9	7.1	1.4	.0	.0	22	2.4	8.0
1	.0	9.4	9.4	.9	.0	.0	42	5.7	14.2
0	.0	8.8	4.7	.0	.0	.0	28	2.8	10.4
-1	.0	9.9	3.8	.0	.0	.0	29	4.7	9.0
-2	.9	6.6	2.4	.0	.0	.0	21	.9	9.0
-3	.9	2.4	.5	.0	.0	.0	8	.5	3.3
-4	.9	.9	.0	.0	.0	.0	4	.5	1.4
-5	.0	.9	.5	.0	.0	.0	3	.0	1.4
-6	.0	.5	.0	.0	.0	.0	1	.0	.5
-7/-8	.0	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	7	87	27	6	1		212	44	168
PCT	3.3	41.0	39.6	12.7	2.8	.5	100.0	20.8	79.2

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FRE F WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.7	.0	.0	.0	.0	9.7	.8	.0	.0	.0	.0	.0	.0	.8
3-4	.0	.0	3.2	2.4	.0	.0	5.6	.0	.0	6.5	.0	.0	.0	.0	6.5
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	9.7	3.2	2.4	.0	.0	15.3	.8	.0	6.5	.0	.0	.0	.0	7.3

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	2.4	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	2.4	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.2	2.4	.0	.0	.0	5.6	.0	.0	.0	4.0	.0	.0	.0	4.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	.3	.0	7.3	.0
7	.0	.0	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	2.4	.0	.0	.0	5.6	.0	.0	.0	10.5	.0	.8	.0	11.3	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	3.2	.0	
3-4	.0	.0	11.3	.0	.0	.0	11.3	.0	.0	6.5	17.7	.8	.0	.0	25.0	.0	
5-6	.0	.0	3.2	.0	2.4	.0	5.6	.0	.0	.0	6.5	.0	.0	.0	12.9	.0	
7	.0	.0	.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	.0	.0	
10-11	.0	.0	.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	.0	.0	
13-16	.0	.0	.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	.0	.0	
20-22	.0	.0	.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	.0	.0	
26-32	.0	.0	.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	.0	.0	
41-48	.0	.0	.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	.0	.0	
61-70	.0	.0	.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	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	14.5	.0	2.4	.0	16.9	.0	.0	9.7	24.2	7.3	.0	.0	41.1	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	.0	.0	.0	.0	.0	.0	.0	
1-2	3.2	16.1	6.5	.0	.0	.0	25.8	
3-4	.0	6.5	38.7	3.2	.0	.0	48.4	
5-6	.0	.0	16.1	6.5	3.2	.0	25.8	
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	3.2	22.6	61.3	9.7	3.2	.0	100.0	31

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	.0	7.9	2.6	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
6-7	.0	.0	2.6	26.3	15.8	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	6
8-9	.0	.0	2.6	2.6	.0	18.4	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
10-11	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
12-13	.0	.0	2.6	.0	.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	0	0
INDET	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
TOTAL	0	3	5	13	6	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	38	6
PCT	.0	7.9	13.2	34.2	15.8	21.1	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1926-1975

AREA 0019 SOUTH GEORGIA
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.4	.0	1.0	1.9	6.7	.0	.0	22.0	.0	.0	22.5	.0	.0	.0	55.5
NE	6.7	2.2	2.2	.0	20.7	.0	.0	31.5	.0	.0	19.0	.0	.0	.0	49.5
E	12.4	.0	1.0	.0	27.6	.0	.0	37.1	.0	.0	9.5	.0	.0	.0	53.3
SE	12.0	3.3	5.5	.0	28.7	.0	.0	45.9	.0	.0	2.2	.0	.0	.0	51.9
S	9.2	1.5	.0	.0	44.2	.0	.0	50.4	.0	.0	.0	.0	.0	.0	49.6
SW	3.4	4.8	.0	.0	21.0	.0	.0	28.2	1.0	.0	4.3	.0	.0	.0	66.5
W	3.3	1.5	3.1	.0	7.9	.0	.5	16.4	.0	.0	2.0	.0	.0	.0	61.6
NW	6.0	6.7	4.6	.0	5.7	.0	.5	24.4	3.1	.0	7.2	.0	.0	.0	65.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.3	1.6	4.9	.0	11.5	.0	.0	21.3	.0	.0	4.9	.0	.0	.0	73.8
TOT PCT	7.1	2.9	2.9	.2	16.5	.0	.2	28.0	.7	.0	7.3	.0	.0	.0	64.0
TOT OBS:	589														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	7.0	4.2	2.8	.0	14.1	.0	.0	26.1	.0	.0	9.2	.0	.0	.0	64.8
0600	6.1	1.7	4.4	.0	13.3	.0	.0	25.0	1.1	.0	6.7	.0	.0	.0	67.2
1200	6.8	3.4	2.1	.7	19.2	.0	.7	30.8	.7	.0	11.0	.0	.0	.0	57.5
1800	6.2	3.1	2.6	.0	13.3	.0	.0	24.1	.5	.0	6.7	.0	.0	.0	68.7
TOT PCT	6.5	3.0	3.0	.2	14.8	.0	.2	26.2	.6	.0	8.1	.0	.0	.0	65.0
TOT OBS:	663														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.1	4.9	2.1	.6	.0	.0	8.7	10.4	9.3	10.5	7.9	5.1	14.7	7.4	6.8	9.7
NE	.3	4.4	2.2	.8	.0	.0	7.7	10.8	4.6	5.6	5.4	8.0	4.5	15.4	10.9	3.5
E	.7	5.7	1.4	.9	.0	.0	8.7	9.7	7.9	10.5	6.4	8.7	5.8	10.6	9.6	9.7
SE	.2	3.8	1.9	1.0	.2	.0	7.2	13.7	6.4	8.0	6.4	5.8	9.6	6.9	6.6	8.3
S	.0	1.9	3.0	.6	.3	.0	5.9	15.3	7.9	8.0	9.7	3.6	4.1	4.3	4.1	5.6
SW	.2	4.9	9.9	3.5	.9	.0	18.8	16.8	25.7	9.9	26.5	15.2	23.3	17.0	16.2	17.4
W	.4	4.5	8.3	3.9	.4	.0	17.4	16.3	23.2	21.6	13.9	10.9	24.3	11.2	14.6	17.4
NW	.9	4.3	6.5	3.6	.9	.0	16.2	16.2	15.0	11.1	12.9	19.6	13.7	19.7	22.0	11.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.4						9.4	.0	.0	14.8	10.9	23.2	.0	7.4	5.3	16.7
TOT OBS	91	239	241	103	19	0	693	13.1	70	81	101	69	73	94	133	72
TOT PCT	13.1	34.5	34.8	14.9	2.7	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	3.0	3.6	1.8	.3	.0	8.7	10.4	9.9	6.8	10.6	7.8	
NE	2.5	3.6	1.4	.1	.0	7.7	10.8	5.1	6.5	10.6	8.3	
E	2.7	3.8	.7	.5	.0	8.7	9.7	9.3	7.4	8.5	9.6	
SE	1.0	4.1	1.1	.7	.2	7.2	13.7	7.3	6.2	8.1	7.2	
S	.8	3.1	1.6	.4	.2	5.9	15.3	7.9	7.2	4.2	4.6	
SW	2.3	6.8	7.4	1.8	.5	18.8	16.8	17.2	21.9	19.8	16.6	
W	1.8	7.3	6.2	2.0	.1	17.4	16.3	22.4	12.6	16.9	18.2	
NW	2.6	5.9	5.8	1.8	.1	16.2	16.2	12.9	13.6	17.1	18.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	9.4					9.4	.0	7.9	15.9	4.2	9.3	
TOT OBS	187	265	180	53	8	693	13.1	131	170	167	205	
TOT PCT	27.0	38.2	26.0	7.6	1.2	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)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	7.9	2.6	35.0	33.8	18.5	1.3	.0	13.5	100.0	151
00009	15.9	2.4	31.8	30.6	19.9	3.5	.0	12.7	100.0	170
12015	4.2	4.8	34.1	39.5	15.0	2.4	.0	13.8	100.0	167
18021	9.3	4.9	36.1	35.1	11.2	3.4	.0	12.6	100.0	205
TOT	65	26	239	241	103	19	0	13.1		693
PCT	9.4	3.8	34.5	34.8	14.9	2.7	.0	100.0		

TABLE 5

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

WIND DIR	PCT FREQ				TOTAL OBS	MEAN CLOUD COVER
	0-2	3-4	5-7	8 & OBSCD		
N	.6	.6	2.7	4.9		6.8
NE	.0	.6	1.2	3.6		7.2
E	.0	.0	3.0	3.3		7.2
SE	.0	.0	4.8	2.2		6.5
S	.0	.0	2.2	2.7		7.5
SW	.0	1.2	7.6	14.4		7.1
W	.6	2.4	14.5	10.8		6.6
NW	.6	1.8	3.4	10.2		7.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	11	66	87	167	6.9
TOT PCT	1.8	6.6	39.5	52.1	100.0	

TABLE 6

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

WIND DIR	PCT FREQ										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.6	.6	.0	.6	2.1	2.5	.6	.6	.0	.0	.0	1.2
NE	.0	.0	.0	.0	.4	2.8	.3	.0	.0	.0	.0	1.2
E	.0	.0	.6	.3	2.5	2.1	.3	.0	.0	.0	.0	.4
SE	.0	.0	.0	.9	4.3	1.0	.0	.0	.0	.0	.0	.7
S	.0	.0	.0	.0	1.8	2.2	.0	.0	.0	.0	.0	.6
SW	.0	.0	.0	.6	1.2	5.1	11.7	1.6	.6	.0	.0	1.9
W	.0	.4	.6	2.7	7.2	9.9	2.2	.0	.0	.0	.0	5.2
NW	1.8	1.3	.6	2.1	2.2	4.8	.1	.0	.0	.0	.0	3.0
VAR	.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
TOT OBS	5	4	5	13	43	62	9	2	0	0	0	24
TOT PCT	3.0	2.4	3.0	7.8	25.7	37.1	5.4	1.2	.0	.0	.0	14.4

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
>3500	5.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5
>2000	36.1	44.4	45.0	45.0	45.0	45.0	45.0	45.0
>1000	49.7	66.3	69.2	69.2	70.4	70.4	70.4	70.4
>600	51.5	72.2	76.3	76.3	78.1	78.1	78.1	78.1
>300	52.1	73.4	78.1	78.7	80.5	81.1	81.1	81.1
>150	53.3	74.6	80.5	81.1	82.8	83.4	83.4	83.4
>0	53.4	75.1	82.2	82.8	84.6	85.2	85.8	85.8
TOTAL	90	127	139	140	143	144	145	145

TOTAL NUMBER OF OBS: 169

PCT FREQ NH <5/8: 14.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	TOTAL OBS
	1.2	1.7	3.5	4.6	3.5	8.1	9.5	17.9	46.8	2.9
										173

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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	.1	.2	.1	.1	.0	.0	.2	.3	.0	.2	1.1	
	NO PCP	.4	.1	.2	.0	.0	.2	.0	.5	.0	.0	1.4	
	TOT %	.5	.3	.3	.1	.0	.2	.2	.8	.0	.2	2.5	
1/2<1	PCP	.4	.0	.1	.3	.0	.2	.2	.2	.0	.5	1.8	
	NO PCP	1.4	.9	.3	.1	.0	.0	.2	.3	.0	.4	3.4	
	TOT %	1.8	.9	.4	.4	.0	.2	.4	.4	.0	.9	5.2	
1<2	PCP	.1	.0	.1	.1	.4	.0	.0	1.2	.0	.0	1.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	
	TOT %	.1	.0	.1	.1	.4	.0	.1	1.4	.0	.0	2.2	
2<5	PCP	.4	.3	.6	.4	.6	.4	.2	.1	.0	.0	3.1	
	NO PCP	.4	.3	.2	.0	.0	.2	.3	1.2	.0	.0	2.5	
	TOT %	.7	.6	.9	.4	.6	.6	.5	1.3	.0	.0	5.6	
5<10	PCP	.8	1.3	1.7	2.4	1.2	2.8	2.2	2.2	.0	1.6	16.2	
	NO PCP	3.5	2.2	3.1	1.9	1.8	7.0	7.9	6.8	.0	7.9	42.2	
	TOT %	4.4	3.4	4.8	4.3	3.0	9.8	10.1	9.0	.0	9.5	58.4	
10+	PCP	.2	.2	.0	.0	.4	.8	.0	.2	.0	.0	1.8	
	NO PCP	1.5	1.8	1.7	2.4	1.1	5.8	6.2	3.8	.0	.2	24.4	
	TOT %	1.7	2.0	1.7	2.4	1.6	6.6	6.2	4.0	.0	.2	26.2	
TOT OBS													557
TOT PCT		9.1	7.1	8.1	7.7	5.5	17.4	17.5	16.9	.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	.2	.0	.2	.4	
	4-10	.4	.0	.2	.0	.0	.2	.0	.1	.0	.0	.9	
	11-21	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.4	
	22+	.1	.2	.1	.1	.0	.0	.0	.4	.0	.0	.9	
	TOT %	.5	.3	.3	.1	.0	.2	.2	.8	.0	.2	2.5	
1/2<1	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	
	4-10	.9	.8	.2	.0	.0	.0	.0	.1	.0	.0	1.9	
	11-21	.6	.*	.1	.3	.0	.0	.0	.3	.0	.0	1.2	
	22+	.1	.0	.1	.1	.0	.2	.4	.1	.0	.0	.9	
	TOT %	1.7	.8	.4	.4	.0	.2	.4	.4	.0	.9	5.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.1	.0	.0	.0	.4	.0	.0	.7	
	11-21	.0	.0	.0	.0	.2	.0	.1	.1	.0	.0	.4	
	22+	.1	.0	.0	.0	.2	.0	.0	1.0	.0	.0	1.2	
	TOT %	.1	.0	.3	.1	.4	.0	.1	1.4	.0	.0	2.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.5	.7	.3	.2	.2	.1	.2	.0	.0	2.3	
	11-21	.4	.1	.4	.2	.4	.2	.3	.3	.0	.0	2.1	
	22+	.2	.1	.1	.0	.0	.2	.1	.8	.0	.0	1.4	
	TOT %	.7	.7	1.1	.4	.6	.6	.5	1.2	.0	.0	5.8	
5<10	0-3	.7	.1	.3	.0	.0	.3	.3	.7	.0	9.4	11.7	
	4-10	2.0	1.9	3.9	2.8	.9	2.4	1.6	1.6	.0	.0	17.2	
	11-21	1.3	1.1	.3	.5	1.5	4.2	4.5	3.6	.0	.0	17.0	
	22+	.3	.3	.5	.9	.5	3.0	3.7	2.9	.0	.0	12.0	
	TOT %	4.3	3.4	5.0	4.2	2.9	9.9	10.0	8.8	.0	9.4	57.9	
10+	0-3	.2	.*	.6	.2	.0	.0	.0	.0	.0	.2	1.2	
	4-10	1.3	1.1	.6	1.2	.9	1.8	2.1	2.0	.0	.0	11.0	
	11-21	.2	.7	.3	.9	.6	3.7	3.3	1.9	.0	.0	11.5	
	22+	.0	.2	.2	.4	.2	1.1	.7	.0	.0	.0	2.7	
	TOT %	1.6	1.9	1.7	2.6	1.7	6.5	6.1	3.9	.0	.2	26.4	
TOT OBS													565
TOT PCT		9.0	7.1	8.7	7.8	5.6	17.3	17.2	16.7	.0	10.6	100.0	

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PERIOD: (PRIMARY) 1926-1975
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET/NH >478) AND OCCURRENCE OF NH <578 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <578 ANY HGT	TOTAL OBS
00003	4.3	2.2	2.2	4.3	28.3	45.7	2.2	.0	.0	.0	89.1	10.9	46
06009	.0	.0	3.0	12.1	36.4	30.3	3.0	3.0	.0	.0	87.9	12.1	33
12015	6.5	2.2	.0	10.9	26.1	30.4	8.7	2.2	.0	.0	87.0	13.0	46
18021	.0	4.3	6.5	4.3	13.0	43.5	6.5	.0	.0	.0	78.3	21.7	46
TOT	5	4	5	13	43	65	9	2	0	0	146	25	171
PCT	2.9	2.3	2.9	7.6	25.1	38.0	5.3	1.2	.0	.0	85.4	14.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	2.2	5.1	2.9	5.9	64.0	19.9	136
06009	3.4	5.7	1.7	5.7	66.9	16.6	179
12015	3.6	5.8	2.2	6.5	52.9	29.0	138
18021	3.1	4.7	1.6	3.7	58.1	28.8	191
TOT	20	34	13	34	388	151	640
PCT	3.1	5.3	2.0	5.3	60.6	23.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET/NH >478) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <578 AND 5+	TOTAL OBS
00003	4.4	11.1	17.8	73.3	8.9	45
06009	.0	3.0	21.2	66.7	12.1	33
12015	4.4	11.1	24.4	62.2	13.3	45
18021	.0	13.0	17.4	63.0	19.6	46
TOT	4	17	34	112	23	169
PCT	2.4	10.1	20.1	66.3	13.6	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
50/54	.0	.0	.0	.4	.0	.0	.2	.2	4	.8
49/49	.0	.2	.6	1.0	.8	1.4	.2	.4	23	4.5
40/44	.0	.0	.0	.6	2.5	2.2	3.9	5.5	75	14.7
39/39	.0	.0	.2	1.0	1.2	6.8	16.8	24.5	258	50.5
30/34	.0	.0	.0	.0	.8	4.1	9.6	14.9	150	29.4
29/29	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	1	4	15	27	74	157	233	511	100.0
PCT	.0	.2	.8	2.9	5.3	14.5	30.7	45.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
50/54	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0
49/49	.0	.2	.0	.1	.1	1.2	.9	1.3	.0	.8
40/44	1.3	.3	.5	1.2	.2	1.7	3.3	4.2	.0	2.2
39/39	4.7	3.4	4.6	3.3	2.2	6.9	11.1	7.0	.0	7.2
30/34	2.3	2.1	2.5	2.7	2.7	10.0	3.5	2.2	.0	1.4
29/29	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
TOTAL	8.3	6.0	7.7	7.3	5.4	20.2	18.7	13.0	.0	11.3

TABLE 15

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

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	49	46	42	35	32	32	31	35.8	175
06009	50	48	44	35	31	30	29	36.1	212
12015	56	49	45	37	33	31	31	37.4	198
18021	50	49	46	36	33	32	31	37.2	252
TOT	56	49	44	36	32	31	29	36.7	837

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
00003	.0	2.5	2.5	11.9	26.3	56.8	88	118		
06009	.0	5.6	3.7	13.0	32.7	45.1	85	162		
12015	.0	3.1	7.0	23.3	34.1	32.6	83	129		
18021	.0	4.0	6.8	11.9	30.1	47.2	85	176		
TOT	0	23	30	86	181	265	85	585		

DECEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1926-1975

APEA 0019 SOUTH GEORGIA
53.95 36.4W

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	29 32	33 36	37 40	41 44	45 48	TOT	% FOG	% FOG
11/13	.0	.0	.0	.0	.2	1	.0	.2
9/10	.0	.0	.0	.5	.7	5	.0	1.2
7/8	.0	.0	.0	.7	.2	4	.2	.7
6	.0	.0	1.2	.7	.0	8	.0	1.9
5	.0	.0	1.6	1.6	.0	14	.5	2.8
4	.0	.5	4.7	.2	.0	23	.5	4.9
3	.0	2.1	7.3	.5	.0	42	1.4	8.5
2	.0	5.4	4.5	.0	.0	42	.9	8.9
1	.0	11.7	7.3	.0	.0	81	2.1	16.9
0	1.6	18.3	1.6	.0	.0	92	.9	20.7
-1	.9	10.1	.9	.0	.0	51	.2	11.7
-2	1.2	8.6	.2	.0	.0	34	.9	7.0
-3	2.1	2.6	.2	.0	.0	21	.2	4.7
-4	.7	.5	.2	.0	.0	6	.2	1.2
-11/-13	.0	.2	.2	.0	.0	2	.0	.5
TOTAL	28	128	128	5	5	426	3.0	39.1
PCT	6.6	58.0	30.0	4.2	1.2	100.0	6.2	91.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	1.6	.0	.0	.0	8.3	.0	1.8	1.0	.0	.0	.0	2.8
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.8	.0	.0	.0	.8	.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	6.7	4.5	.0	.0	.0	12.0	.0	1.8	2.8	.0	.0	.0	4.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
1-2	2.2	3.5	.6	.0	.0	.0	6.3	.0	2.0	1.6	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8
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	2.2	3.5	.6	.0	.0	.0	6.3	.0	2.8	4.1	.8	.0	.0	7.9

PERIOD: (OVER-ALL) 1963-1975

DECEMBER

AREA 0019 SOUTH GEORGIA
53.9S 36.4W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	1.6	.0	.0	.0	4.1	.0	2.8	.0	.0	.0	.0	2.8
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	2.4
5-6	.0	.0	.8	.0	.0	.0	.8	.0	.0	2.4	1.0	.0	.0	3.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.8	.0	.0	5.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.4	.0	.0	4.3
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	.2	1.6	.0	.0	1.8
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	.0	2.4	2.4	.0	.0	.0	4.9	.0	2.8	11.2	5.9	.0	.0	19.9

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	2.8	.0	.0	.0	7.1	.0	3.3	2.8	.0	.0	.0	6.1
3-4	.0	.8	2.4	.0	.0	.0	.8	.0	1.6	3.5	.8	.0	.0	5.9
5-6	.0	.8	2.4	1.4	.0	.0	4.7	.0	.8	.0	.0	.8	.0	1.6
7	.0	.0	9.6	.0	.0	.0	9.6	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.4	.8	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	1.6	1.6	.0	.0	3.0	.0	.0	.0	.8	.8	.0	.8
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	.0	1.6
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	.0	5.9	17.7	4.7	.0	.0	28.3	.0	5.7	6.3	2.4	1.6	.0	16.1 100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.8	.8	.0	.0	.0	.0	1.6	
1-2	2.4	26.8	12.2	.0	.0	.0	41.5	
3-4	.0	2.4	10.6	.8	.0	.0	13.8	
5-6	.0	1.6	7.3	2.4	.8	.0	12.2	
7	.0	.0	14.6	1.6	.0	.0	16.3	
8-9	.0	.0	3.3	3.3	.0	.0	6.5	
10-11	.0	.0	.0	.8	.0	.0	.8	
12	.0	.0	1.6	4.1	.0	.0	5.7	
13-16	.0	.0	.0	.8	.8	.0	1.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	31.7	49.6	13.8	1.6	.0	100.0	123

PERIOD: (OVER-ALL) 1949-1975

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	.0	6.5	10.4	3.2	6.5	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	4
6-7	.0	5.8	10.4	13.6	7.1	5.2	1.9	3.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	6
8-9	.0	.0	1.3	1.9	3.2	1.3	1.3	2.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
10-11	.0	.0	.0	.6	2.6	1.3	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	11	13
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.6	1.3	.0	.6	1.3	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
TOTAL	1	21	34	31	32	13	8	10	2	0	1	0	0	0	0	0	1	0	0	0	154	6
PCT	.6	13.6	22.1	20.1	20.8	8.4	5.2	6.5	1.3	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1902-1976

ANNUAL

AREA 0019 SOUTH GEORGIA
53.95 36.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	9.7	4.0	4.4	.4	15.7	.0	.1	31.6	.1	.0	17.3	.1	.3	.0	25.6
NE	7.5	1.7	3.4	.0	25.5	.0	.3	36.6	.0	.0	20.8	*	.1	.0	25.8
E	11.6	1.2	2.4	1.7	17.5	.0	.2	29.7	4.2	.0	19.2	.3	.0	.0	42.3
SE	5.0	.6	2.6	.0	19.1	.0	.6	24.7	1.8	.3	11.1	.0	.0	.0	53.7
S	3.4	1.0	1.8	.0	19.7	.0	.6	25.0	.3	.0	7.3	.0	.2	.0	50.7
SW	5.2	1.9	.7	.1	14.1	.0	.4	19.4	.4	.0	9.1	.1	.7	.0	62.1
W	2.7	1.5	3.2	.0	11.5	.6	.5	19.1	.8	.0	13.7	.0	.6	.1	57.4
NW	7.1	2.8	2.5	.1	18.7	.2	.1	30.4	3.0	.0	18.2	*	.3	.0	48.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.6	.2	1.9	.0	5.6	.0	.0	12.9	.0	.1	17.6	.0	.0	.0	44.3
TOT PCT	7.3	1.9	2.7	.3	16.6	.2	.2	26.9	1.7	*	14.2	.1	.3	*	56.7
TOT OBS:	3683														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	9.6	2.7	3.7	.2	18.2	.0	.0	28.6	.4	*	16.6	.1	.1	.0	45.8
0600	5.1	1.4	3.7	1.0	16.7	.0	.2	27.4	.4	.1	16.0	.1	.2	.1	47.6
1200	10.9	1.1	1.8	.1	13.2	.0	.4	27.7	1.4	.0	13.1	.1	.4	.0	49.0
1800	5.5	2.0	2.0	.0	13.5	.6	.2	24.3	3.4	.0	12.4	*	.5	.0	59.4
TOT PCT	7.3	1.8	2.7	.3	16.3	.2	.2	26.6	1.7	*	14.5	*	.3	*	56.8
TOT OBS:	4044														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.5	2.3	2.6	.6	.1	*	6.3	11.1	6.6	4.4	7.4	6.7	5.6	7.2	6.0	5.5
NE	.2	1.8	2.8	.3	.2	*	5.3	10.4	3.4	2.0	3.9	4.6	9.5	6.7	7.8	6.1
E	1.3	2.8	1.1	.4	1.8	*	7.4	10.9	8.3	9.5	5.1	5.8	8.9	8.4	5.1	4.4
SE	.4	3.4	1.8	1.4	.2	.0	7.1	12.1	7.4	6.3	7.7	6.3	8.2	5.3	6.3	5.6
S	.2	2.0	1.6	.9	.3	*	5.0	12.8	7.0	5.0	6.8	3.1	4.8	3.1	5.3	3.0
SW	.5	3.5	6.2	1.9	.8	*	13.0	14.3	13.0	10.9	13.6	14.5	14.3	8.8	14.4	9.4
W	.4	6.2	8.6	3.8	1.1	.1	20.2	13.3	26.2	15.9	19.1	19.2	21.7	21.2	21.2	17.0
NW	.9	6.3	16.6	3.8	1.1	.2	29.0	16.6	15.8	18.8	19.8	23.5	16.3	24.3	28.0	24.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.9						6.9	.0	4.1	10.5	8.4	12.0	2.3	6.6	3.9	7.8
TOT OBS							4177	14.9	450	409	683	406	452	497	859	421
TOT PCT	11.3	28.3	41.3	13.0	5.6	.5	100.0		91.7	83.3	91.7	91.7	91.7	91.7	100.0	83.3

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.3	3.0	1.5	.4	.1	6.3	11.1	5.3	7.1	6.1	6.0
NE	1.0	2.7	1.3	.3	*	5.3	10.4	2.7	4.2	7.2	6.7
E	2.4	2.6	.5	1.4	.5	7.4	10.9	10.9	5.5	9.8	5.6
SE	1.5	3.3	1.2	.8	.2	7.1	12.1	7.1	6.9	8.0	7.1
S	1.0	2.1	1.1	.6	.1	5.0	12.8	5.6	5.4	4.1	4.6
SW	1.6	5.4	4.2	1.5	.2	13.0	14.3	11.8	13.8	11.4	13.6
W	2.6	7.4	7.0	2.9	.3	20.2	13.3	22.9	17.2	18.8	21.7
NW	3.5	7.6	14.9	2.4	.5	29.0	16.6	17.3	21.8	21.2	29.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.9					6.9	.0	7.9	9.8	5.0	5.2
TOT OBS						4177	14.9	859	1089	949	1280
TOT PCT	21.7	34.3	31.8	10.3	1.9	100.0		91.7	91.7	91.7	100.0

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1902-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	7.9	3.7	21.5	30.2	11.5	6.7	.1	13.0	859	
0600	9.8	3.7	29.4	33.1	10.4	3.0	.3	11.6	1089	
1200	5.0	4.8	27.1	33.1	15.2	6.3	.3	14.1	949	
1800	5.2	3.6	25.8	42.7	14.5	7.4	.9	16.1	1280	
TOT								14.9	4177	
PCT	6.9	4.5	28.3	41.3	13.0	5.6	.5	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											TOTAL OBS
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	
N	.1	.1	6.9	4.2		5.4	1.9	.4	.1	.5	1.3	1.9	4.3	.1	.1	.1	.7	
NE	.2	.2	.8	2.1		3.4	.6	.1	.2	.2	.8	.7	*	*	.0	.0	.6	
E	*	*	1.2	6.1		3.0	.7	*	1.0	.2	2.4	.4	2.7	.0	.0	.0	.3	
SE	.9	.1	1.4	4.7		4.9	.1	*	.3	.5	4.3	.6	.1	.0	.0	.0	1.1	
S	2.0	.3	1.8	1.6		3.4	*	.0	.2	.5	1.1	.7	.4	.0	*	.0	2.8	
SW	1.1	2.0	3.9	5.4		4.6	.9	.0	.1	.9	3.2	2.7	.5	*	.0	.3	3.8	
W	6.4	3.2	8.2	8.4		5.3	.8	*	.3	3.1	4.7	1.8	2.5	1.2	.0	.2	11.5	
NW	1.3	1.0	6.1	16.0		5.5	1.3	.3	8.9	1.5	5.6	1.7	.7	*	.0	.2	4.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.3	.2	1.8		2.9	.9	.1	.1	.1	.4	.3	*	.0	.0	.1	.4	
TOT OBS					1203	6.3											1203	
TOT PCT	12.1	7.2	30.5	30.2	100.0		7.3	.9	11.1	7.5	23.8	10.7	10.5	1.4	.1	.9	25.8	

TABLE 6

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

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											TOTAL OBS
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	
N	.1	.1	6.9	4.2		5.4	1.9	.4	.1	.5	1.3	1.9	4.3	.1	.1	.1	.7	
NE	.2	.2	.8	2.1		3.4	.6	.1	.2	.2	.8	.7	*	*	.0	.0	.6	
E	*	*	1.2	6.1		3.0	.7	*	1.0	.2	2.4	.4	2.7	.0	.0	.0	.3	
SE	.9	.1	1.4	4.7		4.9	.1	*	.3	.5	4.3	.6	.1	.0	.0	.0	1.1	
S	2.0	.3	1.8	1.6		3.4	*	.0	.2	.5	1.1	.7	.4	.0	*	.0	2.8	
SW	1.1	2.0	3.9	5.4		4.6	.9	.0	.1	.9	3.2	2.7	.5	*	.0	.3	3.8	
W	6.4	3.2	8.2	8.4		5.3	.8	*	.3	3.1	4.7	1.8	2.5	1.2	.0	.2	11.5	
NW	1.3	1.0	6.1	16.0		5.5	1.3	.3	8.9	1.5	5.6	1.7	.7	*	.0	.2	4.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.3	.2	1.8		2.9	.9	.1	.1	.1	.4	.3	*	.0	.0	.1	.4	
TOT OBS					1203	6.3											1203	
TOT PCT	12.1	7.2	30.5	30.2	100.0		7.3	.9	11.1	7.5	23.8	10.7	10.5	1.4	.1	.9	25.8	

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0
>6500	.7	.9	.9	.9	.9	1.0	1.0	1.0
>5000	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
>3500	5.6	8.4	12.7	12.7	12.7	12.7	12.7	12.7
>2000	12.1	17.2	22.2	22.2	22.3	22.3	22.3	23.4
>1000	24.4	36.3	43.9	43.9	43.4	45.8	45.9	47.0
>600	25.5	40.7	50.6	52.4	53.1	53.5	53.5	54.5
>300	25.6	42.2	62.0	64.0	64.7	65.4	65.4	66.5
>150	25.7	42.3	62.2	64.3	65.3	66.3	66.3	67.4
>0	25.8	42.8	63.5	66.0	68.1	71.1	73.4	74.4

TOTAL NUMBER OF OBS: 1216

PCT FREQ NH <5/8: 25.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
4.9	6.5	3.9	4.1	6.3	3.8	3.1	17.2	41.6	6.6

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1902-1976

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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	.7	.1	.2	.1	.1	.1	.2	1.3	.0	.3	7.4	
	NO PCP	1.0	.3	.1	.3	.1	.4	1.4	1.1	.0	.6	5.3	
	TOT %	1.2	.4	.3	.4	.2	.5	1.6	2.4	.0	.9	7.8	
1/2<1	PCP	.3	.4	.6	.2	.1	.5	.4	.5	.0	.3	3.3	
	NO PCP	.3	.1	.1	.2	.5	.2	.4	1.1	.0	.5	3.4	
	TOT %	.5	.5	.7	.4	.7	.7	.8	1.6	.0	.8	6.7	
1<2	PCP	.4	.8	.2	.6	.2	.1	.9	1.0	.0	.2	4.9	
	NO PCP	.1	.1	.2	.2	.*	.1	.4	.7	.0	.7	2.7	
	TOT %	.5	.9	.4	.8	.2	.2	1.3	1.6	.0	.8	6.8	
2<5	PCP	.4	.5	.3	.5	.5	.3	1.3	1.1	.0	.1	5.0	
	NO PCP	.3	.2	1.1	.4	.2	.5	1.1	9.9	.0	.4	14.1	
	TOT %	.7	.7	1.4	.8	.7	.8	2.4	11.0	.0	.6	19.1	
5<10	PCP	.5	.5	1.1	.7	.4	1.1	1.6	1.1	.0	.7	7.6	
	NO PCP	1.3	.8	1.3	2.0	1.3	4.5	7.4	6.1	.0	2.9	27.6	
	TOT %	1.8	1.3	2.4	2.7	1.7	5.6	9.0	7.2	.0	3.5	35.2	
10+	PCP	.1	.*	.8	.*	.*	1.0	.1	.2	.0	.*	2.7	
	NO PCP	.9	.8	1.2	3.0	1.9	4.2	5.5	3.6	.0	1.1	22.7	
	TOT %	.9	.8	2.0	3.0	2.0	5.2	5.6	3.8	.0	1.1	24.4	
TOT OBS												3473	
TOT PCT		3.6	4.6	7.2	8.1	5.4	13.1	20.6	27.7	.0	7.7	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	.1	.1	.1	.1	.0	.0	.*	.2	.0	.9	1.4	
	4-10	.4	.2	.2	.1	.1	.4	.7	.8	.0		2.7	
	11-21	.9	.1	.1	.2	.*	.1	.7	.8	.0		2.4	
	22+	.2	.1	.*	.*	.1	.*	.2	.6	.0		1.3	
	TOT %	1.2	.4	.3	.4	.2	.5	1.6	2.4	.0	.9	7.9	
1/2<1	0-3	.*	.0	.*	.*	.1	.1	.*	.0	.0	.8	1.1	
	4-10	.2	.2	.4	.3	.4	.3	.4	.6	.0		2.7	
	11-21	.1	.3	.3	.1	.*	.1	.2	.6	.0		1.8	
	22+	.*	.*	.*	.*	.1	.2	.2	.4	.0		1.0	
	TOT %	.5	.5	.7	.4	.7	.7	.8	1.6	.0	.8	6.6	
1<2	0-3	.1	.*	.*	.1	.0	.*	.*	.2	.0	.8	1.2	
	4-10	.1	.2	.3	.6	.1	.*	.2	.4	.0		1.8	
	11-21	.3	.6	.*	.1	.1	.2	.2	.6	.0		2.2	
	22+	.*	.*	.1	.*	.*	.*	.8	.6	.0		1.6	
	TOT %	.5	.9	.4	.8	.2	.2	1.3	1.6	.0	.8	6.8	
2<5	0-3	.*	.0	.*	.*	.*	.*	.0	.1	.0	.5	.9	
	4-10	.2	.2	.5	.3	.2	.2	.5	.4	.0		2.5	
	11-21	.3	.5	.2	.2	.2	.5	1.3	9.9	.0		13.2	
	22+	.1	.*	.7	.2	.2	.2	.6	.6	.0		2.6	
	TOT %	.7	.7	1.4	.8	.6	.9	2.4	11.0	.0	.5	19.1	
5<10	0-3	.3	.1	.3	.*	.*	.2	.2	.4	.0	3.4	4.9	
	4-10	.6	.6	.7	1.8	.5	1.4	2.2	2.0	.0		10.0	
	11-21	.6	.6	.2	.4	.7	2.5	4.3	2.8	.0		12.1	
	22+	.3	.1	1.2	.4	.4	1.5	2.2	1.9	.0		7.9	
	TOT %	1.8	1.3	2.4	2.7	1.7	5.6	8.9	7.1	.0	3.4	35.0	
10+	0-3	.*	.1	.1	.*	.*	.*	.*	.1	.0	1.1	1.5	
	4-10	.6	.4	.9	.8	.8	.8	2.0	1.7	.0		8.1	
	11-21	.3	.3	.2	1.0	.6	3.4	2.2	1.3	.0		9.2	
	22+	.*	.*	.9	1.2	.6	1.0	1.3	.7	.0		5.8	
	TOT %	1.0	.8	2.1	3.0	2.0	5.2	5.5	3.8	.0	1.1	24.6	
TOT OBS												3563	
TOT PCT		5.6	4.6	7.3	8.1	5.5	13.2	20.5	27.6	.0	7.5	100.0	

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET>NH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

HRUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
00003	8.5	.2	1.2	5.9	21.9	10.3	13.9	.0	.0	.9	62.7	29.0	299
06009	12.0	1.5	1.7	5.7	18.8	9.9	1.9	.3	.0	.6	52.3	22.7	239
12015	4.9	.7	2.2	8.8	27.9	8.5	10.6	.3	.1	.6	64.7	18.6	337
18021	3.3	1.3	14.2	8.3	23.7	11.7	2.4	2.1	.2	1.0	68.3	23.4	363
TOT													1238
PCT	7.2	.9	12.0	7.4	23.3	10.5	10.1	1.3	.1	.8	73.5	26.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	11.3	6.3	4.9	13.5	40.7	14.9	813
06009	9.6	6.9	8.2	9.8	40.2	19.0	1087
12015	4.2	6.2	5.5	7.2	31.6	36.9	826
18021	6.1	6.5	8.8	19.0	33.3	26.5	1200
TOT							3926
PCT	7.8	6.6	6.6	18.6	36.6	23.8	100.0

TABLE 12

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

HRUR (GMT)	<150 <300D	<600 <1	<1000 <5	1000+ AND5+	NH <3/8 AND 5+	TOTAL OBS
00003	8.3	13.0	33.0	41.3	17.4	292
06009	11.9	16.2	27.7	23.3	22.1	234
12015	4.9	8.7	22.4	43.5	17.5	334
18021	4.9	22.0	35.5	34.2	22.0	356
TOT						1216
PCT	8.1	22.8	40.4	36.3	23.3	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
60/64	.0	.0	*	.0	.0	.0	.0	.0	*	*
55/59	.0	.0	*	*	*	.1	.0	.1	.2	.2
50/54	.0	.0	.0	.1	.1	.1	.2	.2	.7	.7
45/49	.0	.1	.1	.2	.6	.7	.7	.4	2.8	2.8
40/44	.0	.0	*	.2	1.2	1.5	2.8	4.2	9.9	9.9
35/39	.0	.0	.1	.3	1.1	4.4	6.4	20.8	33.1	33.1
30/34	.0	.0	.0	.0	1.7	2.6	17.6	21.1	43.0	43.0
25/29	.0	.0	.0	.4	1.3	1.4	2.0	3.8	8.8	8.8
20/24	.0	.0	.0	.0	.0	1.3	.0	.3	1.5	1.5
TOTAL									2433	100.0
PCT	.0	.1	.2	1.2	6.1	11.8	29.8	50.8		

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	.0	*	.0	.0
.0	.0	.0	.0	.0	*	*	.1	.0	.1
.0	.0	*	*	*	.2	.1	.3	.0	.0
.1	.1	.0	.1	*	.6	.5	1.2	.0	.2
.7	.5	.2	.4	.3	1.1	2.0	3.7	.0	1.0
2.4	2.1	2.1	3.4	1.3	4.1	7.4	7.9	.0	2.3
1.6	2.0	3.4	2.9	2.4	6.5	9.8	13.6	.0	.8
.2	.4	1.7	.9	1.3	.7	2.1	.7	.0	.6
.1	.0	.0	1.3	.0	.0	.0	.2	.0	.0
5.1	5.2	7.5	8.9	5.6	13.2	21.9	27.7	.0	4.9

TABLE 15

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

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	55	39	36	31	28	26	22	36.7	978
06009	56	41	38	31	27	25	21	36.5	1287
12015	60	41	38	32	29	27	25	37.9	1114
18021	59	43	41	34	30	29	24	37.6	1512
TOT	60	44	41	34	30	28	21	37.2	4892

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	2.8	14.9	13.3	59.2	87	87	541	
06009	.0	1.2	6.4	9.2	29.4	45.4	87	87	773	
12015	.0	3.0	9.4	13.0	22.3	43.9	86	86	584	
18021	.0	1.4	4.6	10.6	31.7	49.7	83	83	874	
TOT	0	74	195	389	704	1410	86	86	2772	

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PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1902-1976

AREA 0019 SOUTH GEORGIA
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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	21 24	25 28	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	% FOG	% WD FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
11/13	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	9	*	.1
9/10	.0	.0	.0	.0	.1	.2	.3	.1	*	.0	27	*	.6
7/8	.0	.0	.0	.0	.2	.4	.1	*	.0	.0	31	*	.7
6	.0	.0	.0	.1	.4	.5	.2	.1	.0	.0	46	.2	1.1
5	.0	.0	.0	.4	.6	.6	.2	*	.0	.0	70	.2	1.5
4	.0	.0	.0	.7	1.2	.8	*	*	.0	.0	106	.6	2.1
3	.0	.0	.0	2.3	2.4	1.2	*	.0	.0	.0	222	1.3	4.6
2	.0	.0	.5	4.4	3.8	1.1	.0	.0	.0	.0	305	1.4	8.4
1	.0	.1	2.5	6.8	4.4	.9	.1	.0	.0	.0	447	2.5	12.4
0	.0	.0	2.5	7.5	3.9	.4	.1	.0	.0	.0	448	2.0	12.3
-1	.0	.3	8.1	5.3	3.0	.2	.1	.0	.0	.0	386	3.8	13.2
-2	.0	.1	12.2	3.7	1.0	.0	.0	.0	.0	.0	205	.6	16.5
-3	.0	.2	1.4	1.6	.4	.0	.0	.0	.0	.0	140	.2	3.4
-4	.0	1.2	.6	1.6	.1	*	.0	.0	.0	.0	71	.1	3.5
-5	.0	2.6	.5	.4	*	.0	.0	.0	.0	.0	51	.4	3.2
-6	.0	.8	.6	.1	*	.0	.0	.0	.0	.0	27	.0	1.5
-7/-8	.9	.1	.1	.1	*	.0	.0	.0	.0	.0	17	*	1.2
-9/-10	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	1	.0	*
-11/-13	.0	.1	*	*	.1	.0	.0	.0	.0	.0	5	.0	.2
TOTAL											2616		
PCT	.9	5.5	29.0	35.2	21.7	6.1	1.2	.3	*	*	100.0	13.5	86.5

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.1	.2	.0	.0	.0	.0	.3	.1	.3	.0	.0	.0	.0	.0	.4
1-2	.0	2.9	1.3	.0	.0	.0	4.2	.1	.8	.4	.0	.0	.0	.0	1.3
3-4	.0	.5	1.1	.3	.0	.0	1.9	.0	.4	1.3	.3	.0	.0	.0	2.0
5-6	.0	.2	.6	.0	.0	.0	.9	.0	.2	.3	.0	.0	.0	.0	.5
7	.0	.1	.7	*	.0	.0	.8	.0	.1	.3	.1	.0	.0	.0	.4
8-9	.0	.1	.2	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.3	.0	.0	.3	.0	.0	.0	*	.0	.0	.0	*
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1
13-16	.0	.0	.0	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	*	.0	.0	*	.0	.0	.0	.1	.0	.0	.0	.1
20-22	.0	.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
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	3.9	4.1	.8	*	.0	8.9	.2	1.9	2.3	.4	.0	.0	.0	4.8

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	*	1.1	.0	.0	.0	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.3
1-2	.5	1.8	.1	.0	.0	.0	2.5	*	.8	.2	.0	.0	.0	.0	1.1
3-4	.0	1.0	.2	.1	.0	.0	1.3	.0	1.0	.5	*	.0	.0	.0	1.6
5-6	.0	.1	.1	.9	.0	.0	1.0	.0	.2	2.0	1.7	.0	.0	.0	3.9
7	.0	.1	.1	.1	.0	.0	.3	*	.0	.3	.1	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	*	.0	.0	.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.1	.6	1.1	.0	.0	6.3	.1	2.3	3.4	2.1	.0	.0	.0	7.9

PERIOD: (OVER-ALL) 1963-1976

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AREA 0019 SOUTH GEORGIA
53.95 36.4N

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.4	.0	.0	.0	.0	.4	.1	1.1	.0	.0	.0	.0	.0	.0	1.2
1-2	.0	1.0	.8	.0	.0	.0	1.8	.0	.6	1.0	.0	.0	.0	.0	.0	1.7
3-4	.0	.5	.8	.1	.0	.0	1.4	.0	.7	.8	.2	.0	.0	.0	.0	1.7
5-6	.0	.7	.5	.0	.0	.0	1.2	.0	.4	2.8	.2	.1	.0	.0	.0	3.5
7	.0	*	.0	.1	.0	.0	.1	.0	.1	2.0	.4	.0	.0	.0	.0	2.4
8-9	.0	.0	.1	*	.0	.0	.1	.0	.0	.5	.6	.0	.0	.0	.0	1.1
10-11	.0	.0	.1	.2	.0	.0	.7	.0	.0	.1	.2	.0	.0	.0	.0	.3
12	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1	.2	.1	.0	.0	.0	.4
13-16	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.1	.4	.0	*	.0	.0	.6
17-19	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	.1	.0	.0	.0	.2
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.2
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	2.6	2.9	1.4	.2	.0	7.0	.1	2.9	7.5	2.4	.6	*	*	13.6	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.2	.1	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.3	
1-2	*	1.3	3.2	.0	.0	.0	4.6	.1	3.3	.9	.0	.0	.0	.0	.0	4.3	
3-4	.0	1.2	3.3	.1	.0	.0	4.6	.0	1.6	3.1	.2	.0	.0	.0	.0	4.9	
5-6	.0	.3	2.2	.4	.3	.0	3.2	.0	.1	3.2	.9	.2	.0	.0	.0	4.4	
7	.0	.0	1.8	.1	*	.0	2.0	.0	*	1.2	.2	.1	*	.0	.0	1.6	
8-9	.0	.0	.7	.4	.0	.0	1.1	.0	.0	.3	11.7	.0	.0	.0	.0	12.0	
10-11	.0	.0	.9	.5	.1	.0	1.5	.0	*	.1	.3	*	.0	.0	.0	.5	
12	.0	.0	.2	.9	.1	.0	.6	.0	.0	.2	.2	.0	.0	.0	.0	.4	
13-16	.0	.0	.0	.3	*	.0	.3	.0	.0	.0	.3	.1	.0	.0	.0	.5	
17-19	.0	.0	.0	.1	.0	.0	.1	.0	.1	.0	.3	.1	.0	.0	.0	.5	
20-22	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.1	.0	.0	.0	.1	
23-25	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	.0	.0	*	
33-40	.0	.0	.0	.0	.0	.1	.1	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.2	2.9	12.4	2.3	.6	.2	18.6	.1	5.6	9.0	14.2	.6	.1	.1	29.5	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	3.8	3.9	.0	.0	.0	.0	7.7	
1-2	.9	12.6	8.0	.0	.0	.0	21.5	
3-4	.0	6.9	11.2	1.2	.0	.0	19.2	
5-6	.0	2.2	11.7	4.1	.6	.0	18.6	
7	*	.4	6.4	1.0	.1	*	8.1	
8-9	.0	.1	1.8	13.0	.0	.0	14.9	
10-11	.0	*	1.4	1.6	.1	.0	3.2	
12	.0	.0	.6	.9	.2	.0	1.7	
13-16	.0	.0	1.0	2.1	.2	*	3.2	
17-19	.0	.1	.0	.7	.2	.0	1.1	
20-22	.0	.0	.0	.1	.3	.0	.3	
23-25	.0	.0	.0	.0	.3	.1	.4	
26-32	.0	.0	.0	.0	.1	.1	.1	
33-40	.0	.0	.0	.0	.0	.1	.1	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	26.2	42.0	24.7	2.0	.3	100.0	890

PERIOD: (OVER-ALL) 1999-1952

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	4.1	5.6	4.5	3.9	1.2	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	330	5
6-7	.0	3.8	6.3	14.6	8.8	4.4	2.2	.8	2.9	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	332	6
8-9	.0	1.7	.8	1.3	1.6	3.7	1.0	.6	2.0	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	102	8
10-11	.0	.2	.2	.1	.5	.8	2.2	.2	.3	.3	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	46	11
12-13	.0	.0	.5	.0	.2	.0	.0	.1	*	.0	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	12	11
>13	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	*	*	.0	.1	.0	.0	.0	.0	.0	4	21
INDET	4.3	3.6	.8	1.1	.8	.6	1.0	.7	1.3	.9	.4	.3	*	.1	.0	.0	.0	.0	.0	.0	196	8
TOTAL PCT	5.2	13.3	14.3	21.5	13.9	10.6	7.1	2.5	6.6	1.6	.5	.5	.1	.1	.2	.0	.0	.0	.0	.0	1022	7

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	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.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	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
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	.1	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.2	6	.2
45/46	.2	1.1	.4	2.1	.0	.0	.0	.0	.0	.0	.0	.2	20	.6
43/44	.5	.4	.3	2.9	.0	.0	.0	.0	.0	.0	.0	.3	20	.6
41/42	1.3	3.9	5.5	3.2	.0	.0	.0	.0	.0	.0	.0	.2	85	2.4
39/40	11.8	35.0	35.9	10.9	.0	9.1	.0	.0	.0	1.0	.0	.2	588	16.7
37/38	36.0	39.6	40.6	35.2	6.9	9.1	.0	.0	.0	1.0	3.5	19.0	1021	29.1
35/36	37.9	35.8	14.5	36.4	44.4	27.3	.0	.0	.0	2.9	14.2	42.6	890	25.3
33/34	12.0	4.2	1.3	7.0	30.6	34.3	.0	6.7	15.2	34.3	22.2	32.8	468	13.3
31/32	.3	1.4	.6	.9	12.5	.0	100.0	65.0	66.7	27.5	49.7	4.6	310	8.8
29/30	.0	.3	.7	.3	4.2	.0	.0	28.3	18.2	32.4	10.4	.0	103	2.9
27/28	.0	.0	.1	.0	1.4	.0	.0	.0	.0	1.0	.0	.0	3	.1
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	602	709	677	341	72	11	1	60	66	102	288	585	3514	100.0
MEAN	36.8	37.8	38.0	37.2	34.0	34.9	32.0	30.9	31.4	31.7	32.4	35.0	34.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	997	998	996	997	996	998	996	997	997	848
FEB	996	992	994	997	997	996	995	994	995	723
MAR	995	996	995	996	995	995	995	996	995	862
APR	999	997	997	997	992	996	995	998	996	533
MAY	986	997	999	1000	996	1001	999	997	998	141
JUN	995		1000	1009	972	1007	993		994	13
JUL										
AUG	1013	988	1004	998	1010	996	1000	997	1002	40
SEP	1012	989	1015	995	1010	986	1002	991	1001	41
OCT	994	1002	1007	1005	1002	1001	1005	1007	1004	120
NOV	996	995	994	995	995	996	996	997	995	376
DEC	996	996	994	995	995	995	995	996	995	767
ANN	998	995	1000	999	996	997	997	997	996	4444
OBS	453	461	734	461	442	538	902	473		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	969	975	979	988	996	1005	1016	1018	1021
FEB	964	967	974	986	996	1003	1013	1018	1022
MAR	963	970	977	988	995	1002	1013	1018	1023
APR	963	965	974	988	997	1006	1014	1018	1025
MAY	968	973	980	993	999	1005	1013	1019	1021
JUN	969	969	969	990	996	1003	1008	1008	1009
JUL									
AUG	972	972	973	978	1006	1016	1020	1021	1022
SEP	977	977	977	987	1001	1015	1023	1023	1024
OCT	974	975	976	989	1007	1017	1025	1030	1031
NOV	962	967	976	988	996	1003	1014	1018	1021
DEC	963	967	975	989	996	1003	1010	1014	1020

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	13.3	.0	13.3	.0	.0	.0	.0	26.7	.0	.0	8.3	.0	.0	.0	65.0
NE	7.7	.0	.0	.0	.0	.0	.0	7.7	.0	.0	19.2	.0	.0	.0	73.1
E	4.1	.0	.0	.0	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	95.9
SE	14.8	.0	.0	.0	.0	.0	.0	14.8	3.7	.0	.0	.0	.0	.0	81.5
S	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0	.0	.0	.0	.0	91.9
SW	3.2	1.6	.8	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	94.4
W	2.5	1.2	1.9	.0	.0	.0	.0	5.6	.0	2.5	2.5	.0	.0	.0	91.9
NW	.0	.0	3.4	.0	.0	.0	.0	3.4	6.8	.0	15.3	.0	.0	.0	74.6
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	.0	.0	100.0
TOT PCT	3.9	.7	2.6	.0	.0	.0	.0	7.2	2.0	.7	5.2	.0	.0	.0	85.6
TOT OBS:	153														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/ PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	5.7	.0	2.9	.0	.0	.0	.0	8.6	.0	2.9	5.7	.0	.0	.0	65.7
06009	7.0	2.3	2.3	.0	.0	.0	.0	11.6	2.3	.0	2.3	.0	.0	.0	83.7
12015	2.6	.0	2.6	.0	.0	.0	.0	5.3	2.6	.0	5.3	.0	.0	.0	86.8
18021	.0	.0	2.5	.0	.0	.0	.0	2.5	2.5	.0	7.5	.0	.0	.0	87.5
TOT PCT	3.8	.6	2.6	.0	.0	.0	.0	7.1	1.9	.6	5.1	.0	.0	.0	85.9
TOT OBS:	156														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	3.8	8.8	3.3	.5	.0		16.9	16.1	16.1	18.8	17.6	16.0	17.1	13.0	18.7	16.1	
NE	.8	3.3	4.7	2.1	.1	.1		11.0	14.5	11.0	16.7	10.3	12.3	9.3	7.4	11.3	12.8	
E	.3	2.7	2.2	.7	*	.0		6.0	12.6	6.0	12.6	5.9	2.1	4.9	6.9	5.2	7.4	
SE	.6	1.6	1.8	.4	.0	.0		4.4	10.9	2.8	12.5	4.7	4.2	4.7	.0	5.4	4.0	
S	.6	2.5	3.2	1.2	.2	.0		7.7	14.0	8.8	.0	10.3	7.8	7.3	7.4	6.3	6.5	
SW	.3	2.0	5.7	3.0	.6	.0		12.5	17.3	14.9	4.2	12.8	8.7	13.7	7.4	13.8	11.3	
W	.9	4.3	6.2	3.3	.8	*		15.6	15.9	14.3	18.8	16.4	16.9	16.9	29.6	12.2	13.1	
NW	.7	6.9	11.2	4.9	.5	*		24.2	15.7	23.0	27.1	21.5	24.7	23.9	35.2	23.7	26.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7							1.7	.0	2.0	.0	1.4	2.4	1.9	.0	1.2	2.0	
TOT OBS	87	384	604	260	37	2	1374		15.1	200	24	213	166	375	27	170	199	
TOT PCT	6.3	27.9	44.0	18.9	2.7	.1	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)								
	0-6	7-16	17-27	28-40					00	03	06	09	12	15	18	21	
N	1.7	6.3	7.7	1.2	.1		16.9	16.1	16.4	16.9	16.8	16.8	17.3				
NE	1.8	5.0	3.3	.8	.1		11.0	14.5	12.2	11.2	9.2	12.1					
E	1.1	3.5	1.1	.3	*		6.0	12.6	5.5	5.8	4.9	7.7					
SE	1.5	1.9	.9	.1	.0		4.4	10.9	3.8	4.5	4.4	4.7					
S	1.7	3.0	2.5	.5	*		7.7	14.0	7.8	9.2	7.3	6.4					
SW	1.4	4.2	5.2	1.6	.1		12.5	17.3	13.7	11.0	13.3	12.5					
W	2.6	6.1	4.8	1.8	.3		15.6	15.9	14.7	16.6	17.8	12.7					
NW	2.3	10.5	9.0	2.2	.1		24.2	15.7	24.1	22.9	24.6	25.0					
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0					
CALM	1.7						1.7	.0	1.8	1.8	1.7	1.6					
TOT OBS	217	555	474	117	11	1374		15.1	224	379	402	369					
TOT PCT	15.8	40.4	34.5	8.5	.8	100.0			100.0	100.0	100.0	100.0					

JANUARY

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

APEA 0020 TRISTAN DA CUNHA GROUP
38.45 10.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00403	1.8	4.0	26.3	45.5	19.2	2.7	.4	15.5	100.0	224
06409	1.8	4.7	30.6	43.8	15.6	3.4	.0	14.4	100.0	379
12415	1.7	4.0	25.9	44.3	21.9	2.0	.2	15.7	100.0	402
18421	1.6	5.4	28.5	42.8	19.0	2.7	.0	14.9	100.0	369
TOT	24	63	384	604	260	37	2	15.1		1374
PCT	1.7	4.6	27.9	44.0	18.9	2.7	.1	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	1.9	1.2	1.0	.7	3.6	3.6
E	1.9	.0	1.9	6.4	6.1	6.1
SE	.0	.0	.0	6.1	6.0	6.0
S	1.0	.0	3.4	1.7	5.8	5.8
SW	3.4	6.1	7.3	4.4	4.7	4.7
W	3.9	5.6	5.6	7.0	5.2	5.2
NW	1.5	1.0	5.1	12.1	6.9	6.9
VAR	.0	.0	.0	.0	.0	.0
CALM	1.9	.0	1.0	.0	3.0	3.0
TOT OBS	17	13	28	43	103	5.6
TOT PCT	16.5	14.6	27.2	41.7	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.7	.0	.0	.7	.0	.5	1.9	.0	.0	.0	.0	2.9
NE	.0	.0	.0	.0	1.2	.5	.0	.0	.0	.0	.0	3.2
E	.0	.0	1.0	1.9	.7	3.9	1.0	.0	.0	.0	.0	1.9
SE	.0	.0	1.0	4.1	1.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	1.7	1.9	.0	1.0	.0	.0	.0	.0	1.5
SW	.0	.0	.0	2.2	1.2	1.9	2.9	1.0	.0	.0	.0	11.9
W	.0	.0	1.0	1.7	3.4	3.6	1.0	.0	.0	.0	.0	11.4
NW	3.2	.0	1.0	6.1	1.2	3.2	1.9	.0	.0	.0	.0	3.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.9
TOT OBS	4	0	4	19	11	15	10	1	0	0	0	39
TOT PCT	3.9	.0	3.9	19.4	10.7	14.6	9.7	1.0	.0	.0	.0	37.9

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.0	.0	.0	.0	.0	.0	.0	.0
>3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>3500	10.6	11.5	12.5	12.5	12.5	12.5	12.5	12.5
>2000	17.3	26.0	26.9	26.9	26.9	26.9	26.9	26.9
>1000	20.2	36.5	38.5	38.5	38.5	38.5	38.5	38.5
>600	26.0	49.0	56.7	56.7	56.7	56.7	56.7	56.7
>300	26.0	49.0	58.7	60.6	60.6	60.6	60.6	60.6
>150	26.0	49.0	58.7	60.6	60.6	60.6	60.6	60.6
>0	26.0	50.0	59.6	61.5	61.5	62.5	64.4	64.4
TOTAL	27	52	62	64	64	65	67	67

TOTAL NUMBER OF OBS: 104 PCT FREQ NH <5/8: 35.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.3	9.6	4.4	10.5	6.1	6.1	8.8	8.8	37.7	2.6	114

TABLE 8

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

VSHY (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	.3	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	3.3
	TOT %	.3	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	3.3
1/2<1	PCP	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.7
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.7
1<2	PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7
	NO PCP	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	.0	1.4
	TOT %	.0	.0	.0	.7	.0	.0	.7	.7	.0	.0	.0	2.0
2<5	PCP	2.4	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	3.3
	NO PCP	.5	.0	1.3	.2	.5	.2	1.2	2.1	.0	.0	.0	5.9
	TOT %	3.1	.0	1.3	.2	.5	.2	1.8	2.1	.0	.0	.0	9.2
5<10	PCP	.0	.3	.3	.0	.0	.2	.5	.7	.0	.0	.0	2.0
	NO PCP	1.8	1.6	2.6	2.3	1.6	6.3	6.9	4.4	.0	.0	.0	28.2
	TOT %	1.8	2.0	3.0	2.3	1.6	6.4	7.4	5.1	.0	.0	.0	30.3
10+	PCP	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7
	NO PCP	4.6	2.3	3.8	1.3	3.9	12.5	16.3	8.6	.0	.0	.0	53.0
	TOT %	4.6	2.3	3.8	1.3	3.9	13.2	16.3	8.6	.0	.0	.0	54.6
TOT OBS													152
TOT PCT		9.9	4.3	8.1	4.4	6.1	20.1	26.5	19.4	.0	1.3	100.0	

TABLE 9

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

VSHY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6
	11-21	.3	.0	.0	.0	.0	.0	.6	1.5	.0	.0	.0	2.5
	22+	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6
	TOT %	.3	.0	.0	.0	.0	.0	.6	2.8	.0	.0	.0	3.7
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.6
	TOT %	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.6
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6
	11-21	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	1.9
	22+	.0	.0	.0	.6	.0	.6	.6	.6	.0	.0	.0	2.5
	TOT %	.0	.0	.0	.6	.0	1.5	2.2	.6	.0	.0	.0	4.9
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.6	.0	.0	.0	.0	.2	1.1	.0	.0	.0	.0	1.9
	11-21	1.2	.0	.0	.2	.5	.9	.3	.0	.0	.0	.0	3.1
	22+	1.1	.0	1.2	.0	.0	.0	1.5	2.3	.0	.0	.0	6.2
	TOT %	2.9	.0	1.2	.2	.5	1.1	2.9	2.3	.0	.0	.0	11.1
5<10	0-3	.0	.0	.0	.0	.0	.0	.9	.3	.0	.6	.0	1.9
	4-10	.0	1.5	1.5	.0	.6	1.9	2.8	.9	.0	.0	.0	9.3
	11-21	1.7	.3	.6	2.2	.9	1.2	1.9	3.5	.0	.0	.0	12.3
	22+	.0	.0	.6	.0	.0	2.9	1.4	.0	.0	.0	.0	4.9
	TOT %	1.7	1.9	2.8	2.2	1.5	6.0	6.9	4.8	.0	.6	.0	28.4
10+	0-3	.6	.0	.0	.0	1.1	.3	.5	.0	.0	.6	.0	3.1
	4-10	2.3	.0	1.2	.0	.6	3.7	4.8	2.2	.0	.0	.0	14.8
	11-21	1.4	2.2	2.3	1.2	2.0	7.1	6.3	4.6	.0	.0	.0	27.2
	22+	.0	.0	.0	.0	.0	1.2	3.7	1.2	.0	.0	.0	6.2
	TOT %	4.3	2.2	3.5	1.2	3.7	12.3	15.3	8.0	.0	.6	.0	51.2
TOT OBS													162
TOT PCT		9.3	4.0	7.6	4.2	5.7	21.3	28.2	18.5	.0	1.2	100.0	

JANUARY

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.45 10.3W

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	7.4	.0	7.4	14.8	14.8	3.7	11.1	.0	.0	.0	59.3	40.7	27
06009	4.2	.0	.0	25.0	8.3	29.2	8.3	.0	.0	.0	75.0	25.0	24
12015	.0	.0	7.4	7.4	18.5	14.8	11.1	3.7	.0	.0	63.0	37.0	27
18021	3.3	.0	.0	23.3	3.3	10.0	13.3	.0	.0	.0	53.3	46.7	30
TOT	4	0	4	19	12	15	12	1	0	0	67	41	108
PCT	3.7	.0	3.7	17.6	11.1	13.9	11.1	.9	.0	.0	62.0	38.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	2.8	.0	.0	8.3	30.6	58.3	36
06009	2.1	2.1	4.3	17.0	36.2	38.3	47
12015	2.5	.0	12.5	2.5	25.0	57.5	40
18021	7.0	.0	2.3	14.0	20.9	55.8	43
TOT	6	1	8	18	47	86	166
PCT	3.6	.6	4.8	10.8	28.3	51.8	100.0

TABLE 12

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

HOUR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	7.7	15.4	30.8	30.8	38.5	26
06009	4.2	4.2	33.3	41.7	25.0	24
12015	.0	7.7	15.4	50.0	34.6	26
18021	3.6	3.6	12.1	25.0	42.9	28
TOT	4	8	29	38	37	104
PCT	3.8	7.7	27.9	36.5	35.6	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 DBS	PCT FREQ
70/74	.0	.0	.0	.0	1.0	.0	1.0	.0	2	2.0
65/69	.0	.0	.0	.0	1.0	2.0	10.1	3.0	16	16.2
60/64	.0	.0	.0	3.0	5.1	6.1	13.1	12.1	39	39.4
55/59	.0	.0	.0	.0	5.1	7.1	7.1	6.1	25	25.3
50/54	.0	.0	.0	2.0	1.0	5.1	3.0	5.1	16	16.2
45/49	.0	.0	.0	.0	1.0	.0	.0	.0	1	1.0
TOTAL	0	0	0	5	14	20	34	26	99	100.0
PCT	.0	.0	.0	5.1	14.1	20.2	34.3	26.3		

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	1.0	1.0	.0	.0
1.3	.0	5.1	.0	.0	3.0	4.0	2.8	.0	.0
2.8	2.8	1.8	.0	1.5	11.1	9.3	9.1	.0	1.0
.8	.0	2.0	.5	3.5	5.8	3.3	8.3	.0	1.0
.0	.0	3.0	5.3	.8	2.0	4.0	.0	.0	.0
.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0
4.8	2.8	11.9	6.8	5.8	23.0	21.7	21.2	.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 DBS
00003	74	72	67	60	52	50	48	59.8	214
06009	75	73	69	60	53	50	49	60.4	371
12015	78	76	71	62	55	51	50	62.6	398
18021	76	75	71	62	54	51	49	62.0	358
TOT	78	74	70	61	53	50	48	61.4	1341

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 DBS
00003	.0	15.4	19.4	19.2	23.1	26.9	79	26
06009	.0	.0	11.5	13.4	38.5	34.6	85	26
12015	.0	4.3	13.0	26.1	39.1	17.4	80	23
18021	.0	3.7	14.8	22.2	37.0	22.2	81	27
TOT	0	6	14	21	35	26	81	102

JANUARY

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.45 10.3W

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	TOT	% FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.8	1	.0	.8
9/10	.0	.0	.0	.0	.0	.8	1	.0	.8
7/8	.0	.0	.0	.8	.0	.8	2	.0	1.6
6	.0	.0	.0	.0	.8	.0	1	.0	.8
5	.0	.0	2.4	2.4	4.8	.0	12	1.6	8.0
4	.0	.0	.0	3.2	4.0	.0	9	.8	6.4
3	.0	.0	.8	2.4	1.6	.0	6	.0	4.8
2	.0	.0	1.6	5.6	1.6	.0	11	.8	8.0
1	.0	.8	.8	4.8	.8	.0	9	.8	6.4
0	.0	1.6	2.4	4.8	.8	.0	12	.0	9.6
-1	1.6	.0	2.4	2.4	.0	.0	8	.0	6.4
-2	4.0	1.6	4.0	.8	.0	.0	13	.0	10.4
-3	1.6	1.6	2.4	4.0	.0	.0	12	.0	9.6
-4	1.6	.8	2.4	1.6	.8	.0	9	.8	6.4
-5	.8	.8	1.6	.0	.0	.0	4	.0	3.2
-6	.8	.0	2.4	.8	.0	.8	6	.0	4.8
-7/-8	.8	.0	1.6	.8	.0	.0	4	.0	3.2
-9/-10	.0	.8	.0	1.6	.0	.0	3	.0	2.4
-11/-13	.0	1.6	.0	.0	.0	.0	2	.0	1.6
TOTAL	14	12	31	45	19	4	125	6	119
PCT	11.2	9.6	24.8	36.0	15.2	3.2	100.0	4.8	95.2

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	.0	.0	.0	2.9
3-4	1.4	2.9	2.9	.0	.0	.0	7.1	.0	.0	3.2	.0	.0	.0	3.2
5-6	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.4	.0	.0	.0	.4
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	1.4	2.9	3.9	1.1	.0	.0	9.3	.0	1.4	5.0	.0	.0	.0	6.4

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	2.9	.0	.0	.0	5.7	.0	.0	4.6	.0	.0	.0	4.6
3-4	.0	1.4	2.5	4.3	.0	.0	8.2	.0	.0	.0	1.4	.0	.0	1.4
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	.0	4.3	5.4	4.3	.0	.0	13.9	.0	.0	4.6	1.4	.0	.0	6.1

PERIOD: (OVER-ALL) 1963-1974

JANUARY

AREA 0020 TRISTAN DA CUNHA GROUP
38.4S 10.3W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	.0	.0	.0	.0	2.9
1-2	.0	.0	1.1	.0	.0	.0	1.1	.0	4.3	7.1	.0	.0	.0	.0	11.4	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	3.2	1.4	.0	.0	.0	.0	4.6	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	.0	1.1	.0	.0	.0	1.1	.0	8.9	12.9	.0	.0	.0	.0	21.8	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	
1-2	.0	1.4	5.7	.0	.0	.0	7.1	.0	1.4	1.4	.0	.0	.0	.0	2.9	.0	
3-4	.0	.0	2.9	.0	.0	.0	2.9	.0	.0	1.4	7.1	.0	.0	.0	8.6	.0	
5-6	.0	1.1	1.4	1.4	1.4	.0	5.4	.0	.0	1.4	1.4	.0	.0	.0	1.8	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	
8-9	.0	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	2.9	.0	.0	.0	2.9	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	2.5	12.9	2.9	1.4	.0	19.6	.0	2.9	7.1	7.5	.0	.0	.0	17.5	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	4.3	2.9	1.4	.0	.0	.0	8.6	
1-2	.0	11.4	24.3	.0	.0	.0	35.7	
3-4	1.4	4.3	14.3	12.9	.0	.0	32.9	
5-6	.0	4.3	4.3	2.9	1.4	.0	12.9	
7	.0	.0	4.3	.0	.0	.0	4.3	
8-9	.0	.0	.0	1.4	.0	.0	1.4	
10-11	.0	.0	4.3	.0	.0	.0	4.3	
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	5.7	22.9	52.9	17.1	1.4	.0	100.0	70

PERIOD: (OVER-ALL) 1950-1976

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	
4-6	.0	17.0	13.8	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	3
6-7	.0	1.1	3.2	13.8	6.4	3.2	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	6
8-9	.0	.0	.0	4.3	2.1	7.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	7
10-11	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
INDET	4.3	.0	.0	2.1	3.2	2.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	6
TOTAL	4	17	17	22	12	15	5	1	0	0	1	0	0	0	0	0	0	0	0	0	94	5
PCT	4.3	18.1	18.1	23.4	12.8	16.0	5.3	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.85 10.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	18.2	.0	.0	.0	.0	.0	.0	18.2	10.9	.0	.0	.0	.0	.0	70.9
NE	10.5	.0	.0	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	89.5
E	12.5	50.0	.0	.0	.0	.0	.0	62.5	.0	.0	.0	.0	.0	.0	37.5
SE	4.0	16.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
S	.0	11.3	7.7	.0	.0	.0	.0	19.2	.0	.0	.0	.0	.0	.0	80.8
SW	.0	7.0	6.1	.0	.0	.0	.0	13.0	.0	.0	.0	.0	1.7	.0	85.2
W	11.7	5.8	8.7	.0	.0	.0	.0	26.2	2.9	.0	1.9	.0	1.9	.0	67.0
NW	11.0	17.6	4.4	.0	.0	.0	.0	39.0	12.1	.0	2.2	.0	.0	.0	52.7
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	.0	.0	.0	.0	.0	100.0
TOT PCT	7.5	9.8	4.5	.0	.0	.0	.0	21.8	3.8	.0	.8	.0	.8	.0	72.9
TOT OBS:	133														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	12.5	8.3	8.3	.0	.0	.0	.0	29.2	12.5	.0	.0	.0	.0	.0	58.3
06009	8.9	8.9	4.4	.0	.0	.0	.0	22.2	4.4	.0	2.2	.0	.0	.0	71.1
12615	3.2	9.7	3.2	.0	.0	.0	.0	16.1	.0	.0	.0	.0	.0	.0	83.9
18621	10.5	10.5	2.6	.0	.0	.0	.0	29.7	2.6	.0	.0	.0	2.6	.0	71.1
TOT PCT	8.7	9.4	4.3	.0	.0	.0	.0	22.5	4.3	.0	.7	.0	.7	.0	71.7
TOT OBS:	138														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FRFQ	MEAN SPD	HOUR (GMT)					
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18
N	.7	3.3	9.4	3.4	.4	.2	17.3	16.8	17.4	19.4	18.9	16.7	17.8	.0	17.2	16.8
NE	.1	3.8	4.7	1.9	*	.0	10.5	14.4	10.1	5.6	10.5	10.0	9.2	.0	12.2	13.9
E	.3	1.3	1.3	.7	.4	.2	4.2	17.4	3.8	.0	4.8	3.0	4.3	.0	4.6	3.5
SE	.7	1.7	2.4	.1	*	.2	5.1	12.3	5.2	8.3	4.5	5.0	5.2	7.1	4.2	6.0
S	.1	3.3	4.7	1.4	.0	*	9.6	14.1	6.9	11.1	9.9	11.3	11.5	7.1	9.5	7.0
SW	.4	3.2	5.5	3.8	.5	.1	15.6	18.4	19.1	16.7	16.2	13.3	14.3	32.1	12.2	17.4
W	.1	5.4	6.0	2.9	.5	.1	15.0	15.3	12.8	5.6	14.8	15.8	15.3	39.7	17.9	13.0
NW	.4	4.9	9.2	4.6	.9	.2	20.3	17.2	23.3	22.2	18.1	21.3	21.4	10.7	19.8	18.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	1.4	11.1	2.4	1.7	1.0	7.1	2.3	4.4
TOT OBS	55	279	448	217	30	11	1040	15.8	144	18	167	120	288	14	131	158
TOT PCT	5.3	26.8	43.1	20.9	2.9	1.1	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FRFQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.9	5.7	7.5	2.0	.2	17.3	16.8	17.6	17.9	17.0	17.0	
NE	1.4	5.2	3.0	.9	.0	10.5	14.4	9.6	10.3	8.8	13.1	
E	1.1	1.3	1.1	.3	.4	4.2	17.4	3.4	4.9	4.1	4.0	
SE	1.6	2.2	1.1	.0	.2	5.1	12.3	5.6	4.7	5.3	5.2	
S	1.1	5.2	2.8	.4	*	9.6	14.1	7.4	10.5	11.3	8.1	
SW	1.8	4.4	7.3	1.7	.5	15.6	18.4	18.8	15.0	15.1	15.1	
W	2.0	7.4	4.3	1.1	.3	15.0	15.3	12.0	15.2	16.2	15.2	
NW	1.9	7.6	8.4	1.8	.5	20.3	17.2	23.1	19.4	20.9	18.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3					2.3	.0	2.5	2.1	1.3	3.5	
TOT OBS	156	407	369	85	23	1040	15.8	162	287	302	289	
TOT PCT	15.0	39.1	35.5	8.2	2.2	100.0		100.0	100.0	100.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

APEA 0020 TRISTAN DA CUNHA GROUP
38.55 10.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000Z	2.5	3.7	27.8	42.6	15.8	2.5	1.2	15.5	100.0	162
0600Z	2.1	4.2	26.1	42.5	21.3	2.8	1.0	15.8	100.0	287
1201Z	1.3	3.0	32.1	40.7	19.2	3.0	.7	15.1	100.0	302
1802Z	3.5	1.4	21.5	46.4	22.8	3.1	1.4	16.7	100.0	289
TOT	24	31	279	448	217	30	11	15.8		1040
PCT	2.3	3.0	26.8	43.1	20.9	2.9	1.1	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8 BSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	5.7	.0	1.9	2.8	4.0	
E	.0	.0	.0	.0	.0	
SE	5.7	.0	4.7	.0	3.8	
S	1.9	.9	8.5	.9	5.5	
SW	2.4	.9	7.1	5.2	5.9	
W	1.4	1.9	9.0	3.3	5.9	
NW	.0	1.9	9.4	7.5	6.6	
VAR	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	
TOT OBS	10	3	24	16	53	5.7
TOT PCT	18.9	5.7	45.3	30.2	100.0	

TABLE 6

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

HGT	149	150	299	599	999	1999	3499	4999	6499	7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
NE	.0	.0	.0	.0	.0	.9	1.9	.0	.0	.0	.0	7.5	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	1.9	.0	.9	.0	.0	7.5	
S	.0	.0	.0	.0	.0	6.6	.0	.0	.9	.0	.0	4.7	
SW	.0	.0	.0	2.4	5.7	.5	.0	1.9	.0	.0	.0	5.2	
W	.0	.0	.0	1.4	4.7	3.3	.0	.0	.0	.0	.0	6.1	
NW	.0	.0	.0	3.8	5.7	1.9	.0	.0	.0	.0	.0	7.5	
VAR	.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	
TOT OBS	0	0	0	4	17	6	0	2	0	0	0	24	
TOT PCT	.0	.0	.0	7.5	32.1	11.3	.0	3.8	.0	.0	.0	45.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>8500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6
>3500	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6
>2000	12.5	14.3	14.3	14.3	14.3	14.3	14.3	14.3
>1000	32.1	42.9	44.6	44.6	44.6	44.6	44.6	44.6
>600	33.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
>300	33.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
>150	33.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
>0	33.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
TOTAL	19	28	29	29	29	29	29	29

TOTAL NUMBER OF OBS: 56 PCT FREQ NH <5/8: 48.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	8 BSCD	TOTAL OBS
4.9	14.8	9.8	6.6	13.1	1.6	18.0	8.2	23.0	.0	61

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
	NO PCP	.4	.4	.0	.0	.0	.4	.8	.4	.0	.0	.0	2.3
	TOT %	1.1	.4	.0	.0	.0	.4	.8	.4	.0	.0	.0	3.0
2<5	PCP	.0	.0	.0	.0	.0	.0	1.5	.8	.0	.0	.0	2.3
	NO PCP	.0	.0	.0	.0	.0	.0	.6	.9	.0	.0	.0	1.5
	TOT %	.0	.0	.0	.0	.0	.0	2.1	1.7	.0	.0	.0	3.8
5<10	PCP	1.1	.8	1.9	1.9	1.9	2.3	2.6	4.9	.0	.0	.0	17.3
	NO PCP	1.7	.4	.8	1.5	1.1	11.3	4.9	4.7	.0	.0	.8	27.1
	TOT %	2.8	1.1	2.6	3.4	3.0	13.5	7.5	9.6	.0	.0	.8	44.4
10+	PCP	.0	.0	.0	.0	.0	.6	.9	.0	.0	.0	.0	1.5
	NO PCP	6.4	5.6	.4	6.0	6.8	7.1	8.1	5.5	.0	1.5	1.5	47.4
	TOT %	6.4	5.6	.4	6.0	6.8	7.7	9.0	5.5	.0	1.5	1.5	48.9
TOT OBS													133
TOT PCT		10.3	7.1	3.0	9.4	9.8	21.6	19.4	17.1	.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	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
	4-10	.8	.0	.0	.0	.0	.4	.8	.4	.0	.0	.0	2.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.1	.4	.0	.0	.0	.4	.8	.4	.0	.0	.0	3.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	1.5	.8	.0	.0	.0	2.3
	11-21	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.8
	22+	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
	TOT %	.0	.0	.0	.0	.0	.0	2.1	1.7	.0	.0	.0	3.8
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	4-10	1.1	.0	.4	1.1	.4	2.6	2.3	1.9	.0	.0	.0	9.8
	11-21	1.1	.4	.4	.4	2.3	3.0	3.4	4.1	.0	.0	.0	15.0
	22+	.6	.8	1.9	1.9	.4	7.9	1.9	3.6	.0	.0	.0	18.8
	TOT %	2.8	1.1	2.6	3.4	3.0	13.5	7.5	9.6	.0	.0	.8	44.4
10+	0-3	.0	.0	.0	1.5	.0	.0	.0	.0	.0	1.5	.0	3.0
	4-10	4.1	3.4	.0	2.3	4.5	5.1	4.7	3.8	.0	.0	.0	27.8
	11-21	2.3	2.3	.4	2.3	1.5	1.5	3.2	1.7	.0	.0	.0	15.0
	22+	.0	.0	.0	.0	.8	1.1	1.1	.0	.0	.0	.0	3.0
	TOT %	6.4	5.6	.4	6.0	6.8	7.7	9.0	5.5	.0	1.5	1.5	48.9
TOT OBS													133
TOT PCT		10.3	7.1	3.0	9.4	9.8	21.6	19.4	17.1	.0	2.3	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.55 10.3W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	14.3	35.7	14.3	.0	.0	.0	.0	64.3	35.7	14
06009	.0	.0	.0	7.7	38.5	.0	.0	7.7	.0	.0	53.8	46.2	13
12015	.0	.0	.0	6.3	25.0	12.5	.0	.0	.0	.0	43.8	56.3	16
18021	.0	.0	.0	.0	18.8	12.5	.0	6.3	.0	.0	37.5	62.5	16
TOT	0	0	0	4	17	6	0	2	0	0	29	30	59
PCT	.0	.0	.0	6.8	28.8	10.2	.0	3.4	.0	.0	49.2	50.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	4.0	.0	44.0	52.0	25
06009	.0	.0	6.4	8.5	48.9	36.2	47
12015	.0	.0	.0	3.0	39.4	57.6	33
18021	.0	.0	2.6	7.7	43.6	46.2	39
TOT	0	0	3	8	64	67	144
PCT	.0	.0	3.5	5.6	44.4	46.5	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	14.3	50.0	35.7	14
06009	.0	.0	7.7	46.2	46.2	13
12015	.0	.0	13.3	33.3	53.3	15
18021	.0	.0	7.1	42.9	50.0	14
TOT	0	0	6	24	26	56
PCT	.0	.0	10.7	42.9	46.4	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
70/74	.0	.0	.0	.0	1.2	.0	2.4	2.4	5	6.0
65/69	.0	.0	.0	1.2	.0	.0	3.6	14.3	16	19.0
60/64	.0	.0	.0	.0	8.3	4.8	13.1	3.6	25	29.8
55/59	.0	.0	.0	2.4	1.2	2.4	13.1	7.1	22	26.2
50/54	.0	.0	.0	.0	4.8	1.2	2.4	1.2	8	9.5
45/49	.0	.0	.0	.0	.0	1.2	3.6	4.8	8	9.5
TOTAL	0	0	0	3	13	8	32	28	84	100.0
PCT	.0	.0	.0	3.6	15.5	9.5	38.1	33.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	1.2	.0	.0	.0	.0	.0	1.2	3.6	.0	.0
65/69	4.8	1.2	.0	.6	1.8	2.4	2.7	5.7	.0	.0
60/64	5.4	3.0	.0	1.2	3.6	7.4	7.4	1.8	.0	.0
55/59	3.0	1.2	.0	3.6	1.8	5.4	2.4	7.7	.0	1.2
50/54	.0	.0	.6	.6	.0	6.5	1.8	.0	.0	.0
45/49	.0	.0	3.0	3.0	.6	3.0	.0	.0	.0	.0
TOTAL	14.3	5.4	3.6	8.9	7.7	24.7	15.5	18.8	.0	1.2

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	73	71	69	62	52	50	48	61.3	159
06009	73	72	69	62	53	46	46	61.9	275
12015	78	75	73	64	55	52	45	64.1	295
18021	75	74	72	63	54	51	46	63.0	283
TOT	78	74	71	63	54	49	45	62.8	1012

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	5.6	11.1	5.6	33.3	44.4	85	18
06009	.0	.0	12.0	8.0	44.0	36.0	86	25
12015	.0	.0	26.3	15.8	36.8	21.1	81	19
18021	.0	8.0	24.0	8.0	32.0	28.0	79	25
TOT	0	3	16	8	32	28	83	87

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.5S 10.3W

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	45 48	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WD FOG
11/13	.0	.0	.0	.0	.0	1.1	.0	1	.0	1.1
7/8	.0	.0	.0	.0	.0	2.2	1.1	3	.0	3.3
5	.0	.0	.0	.0	.0	3.3	1.1	4	1.1	3.3
4	.0	.0	.0	1.1	2.2	4.4	2.2	9	.0	9.9
3	.0	.0	.0	.0	.0	.0	1.1	1	.0	1.1
2	.0	.0	.0	9.9	3.3	4.4	2.2	14	.0	15.4
1	.0	.0	.0	2.2	1.1	1.1	.0	4	.0	4.4
0	.0	.0	.0	3.3	2.2	.0	.0	5	.0	5.5
-1	.0	.0	4.4	6.6	2.2	3.3	.0	15	.0	16.5
-2	.0	.0	.0	7.7	3.3	1.1	.0	11	.0	12.1
-3	.0	1.1	1.1	5.5	1.1	1.1	.0	9	.0	9.9
-4	.0	1.1	2.2	1.1	.0	.0	.0	4	.0	4.4
-5	.0	.0	1.1	.0	.0	.0	.0	1	.0	1.1
-6	.0	.0	1.1	1.1	1.1	.0	.0	3	.0	3.3
-7/-8	1.1	.0	.0	3.3	.0	.0	.0	4	.0	4.4
-9/-10	1.1	.0	.0	1.1	.0	.0	.0	2	.0	2.2
-14/-16	.0	.0	.0	1.1	.0	.0	.0	1	.0	1.1
TOTAL	2	2	9	36	15	20	7	91	1	90
PCT	2.2	2.2	9.9	39.6	16.5	22.0	7.7	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	4.5	9.1	.0	.0	.0	13.6	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	4.5	9.1	.0	.0	.0	13.6	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	4.5
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	4.5

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY
TABLE 18 (CONT)

AREA 0020 TRISTAN DA CUNHA GROUP
38.35 10.3W

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

HGT	S							PCT	SW							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	.0	.0	.0	.0	.0	.0	5.7
1-2	.0	.0	4.5	.0	.0	.0	4.5	.0	.0	18.2	.0	.0	.0	.0	.0	.0	18.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.5	.0	.0	.0	.0	.0	5.7
5-6	.0	.0	.0	.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	4.5	.0	.0	.0	.0	.0	4.5
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	4.5	.0	.0	.0	4.5	.0	.0	25.0	9.1	.0	.0	.0	.0	.0	34.1

HGT	W							PCT	NW							TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	3.4	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.4	.0	.0	.0	.0	3.4	.0	4.5	4.5	.0	.0	.0	.0	.0	.0	9.1
5-6	.0	3.4	8.0	.0	.0	.0	11.4	.0	1.1	5.7	.0	.0	.0	.0	.0	.0	6.8
7	.0	3.4	.0	.0	.0	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1
8-9	.0	.0	.0	4.5	.0	.0	4.5	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	13.6	8.0	4.5	.0	.0	26.1	.0	.0	6.8	10.2	.0	.0	.0	.0	.0	17.0 100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	9.1	.0	.0	.0	.0	9.1	
1-2	.0	22.7	4.5	.0	.0	.0	27.3	
3-4	.0	13.6	18.2	.0	.0	.0	31.8	
5-6	.0	4.5	13.6	.0	.0	.0	18.2	
7	.0	4.5	4.5	.0	.0	.0	9.1	
8-9	.0	.0	.0	4.5	.0	.0	4.5	
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	.0	54.5	40.9	4.5	.0	.0	100.0	22

PERIOD: (OVER-ALL) 1950-1976

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	17.1	17.1	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	2
6-7	.0	.0	2.4	4.9	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
8-9	.0	.0	4.9	2.4	2.4	2.4	.0	.0	.0	.0	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	7	10
10-11	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
12-13	.0	.0	.0	.0	.0	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
13	.0	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	2.4	.0	.0	2.4	9.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
TOTAL	3	7	10	5	6	5	2	0	1	1	1	0	0	0	0	0	0	0	0	0	41	6
PCT	7.3	17.1	24.4	12.2	14.6	12.2	4.9	.0	2.4	.0	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZLN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGD WQ PCPN	FGD WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	23.0	.0	.0	.0	.0	.0	.0	23.0	.0	.0	.0	.0	.0	.0	.0	77.0
NE	13.3	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	86.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	18.6	.0	.0	.0	.0	.0	.0	18.6	.0	.0	.0	.0	.0	.0	.0	81.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	22.0	.0	6.8	.0	.0	.0	.0	22.0	.0	.0	.0	.0	.0	.0	.0	78.0
W	6.3	.0	.0	.0	.0	.0	.0	6.3	4.2	.0	.0	.0	.0	.0	.0	89.6
NW	16.5	3.7	.0	.0	.0	.0	.0	20.2	.0	3.7	.0	.0	.0	.0	.0	76.1
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	.0	.0	.0	100.0
TOT PCT	13.5	.8	.8	.0	.0	.0	.0	14.3	.8	.8	.0	.0	.0	.0	.0	84.1
TOT OBS:	126															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZLN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGD WQ PCPN	FGD WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00003	15.0	.0	.0	.0	.0	.0	.0	15.0	5.0	.0	.0	.0	.0	.0	.0	80.0
06009	14.8	.0	.0	.0	.0	.0	.0	14.8	.0	.0	.0	.0	.0	.0	.0	85.2
12015	12.0	2.0	2.0	.0	.0	.0	.0	14.0	.0	2.0	.0	.0	.0	.0	.0	84.0
18021	13.3	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	86.7
TOT PCT	13.4	.8	.8	.0	.0	.0	.0	14.2	.8	.8	.0	.0	.0	.0	.0	84.3
TOT OBS:	127															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.4	2.2	8.5	6.4	.7	.0	18.1	19.3	20.0	28.6	16.1	16.1	19.7	21.4	14.0	17.8
NE	.2	3.2	10.3	3.6	.6	.0	17.8	17.1	18.8	10.7	18.8	19.8	13.9	25.0	19.1	22.9
E	.9	2.7	3.4	.4	.6	.0	7.9	13.1	11.9	10.7	8.3	10.4	5.6	.0	7.9	7.9
SE	.7	1.7	1.9	.2	.8	.0	5.4	15.0	3.5	3.6	6.6	5.2	5.9	.0	5.9	5.1
S	.2	1.9	3.6	1.8	.2	.0	7.8	16.8	7.7	10.7	8.7	7.8	6.7	10.7	8.7	8.4
SW	.4	2.5	3.4	4.5	1.1	.0	12.0	19.5	12.4	10.7	12.6	7.8	13.3	10.7	11.2	12.1
W	.6	2.9	6.3	3.1	.9	.0	13.8	17.4	11.9	7.1	15.7	14.6	14.4	10.7	15.2	11.2
NW	.7	3.0	8.7	3.4	.9	.0	16.7	17.3	13.9	17.9	12.4	18.2	19.4	21.4	18.0	14.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.8	.0	1.1	.0	.0	.0
TOT OBS	37	164	373	191	47	0	812	17.3	101	14	121	96	270	14	89	107
TOT PCT	4.6	20.2	45.9	23.5	5.8	.0	100.0	17.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	.9	4.6	9.5	3.1	.0	18.1	19.3	21.1	16.1	19.8	16.1
NE	1.0	6.0	9.4	1.4	.0	17.8	17.1	17.8	19.2	14.4	21.2
E	1.6	4.1	1.6	.6	.0	7.9	13.1	11.7	9.2	5.3	7.9
SE	1.5	1.8	1.2	.5	.4	5.4	15.0	3.5	6.0	5.6	5.5
S	.7	2.8	3.2	1.0	.0	7.8	16.8	8.0	8.3	6.9	8.5
SW	1.1	3.4	4.8	2.3	.3	12.0	19.5	12.2	10.5	13.2	11.7
W	1.5	4.7	5.7	1.5	.4	13.8	17.4	11.3	15.2	14.3	13.0
NW	1.6	5.6	7.5	1.7	.3	16.7	17.3	14.3	15.0	19.5	16.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.0	.0	.0	.0	.5	.0	.0	.5	1.1	.0
TOT OBS	85	269	348	99	11	812	17.3	115	217	284	196
TOT PCT	10.5	33.1	42.9	12.2	1.4	100.0	17.3	100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

APEA 0020 TRISTAN DA CUNHA GROUP
38.25 10.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
00003	.0	3.5	20.0	45.2	24.3	7.0	.0	17.8	100.0	115
06009	.5	2.8	18.9	49.8	21.2	6.9	.0	17.7	100.0	217
12015	1.1	4.9	20.1	43.7	25.4	4.9	.0	17.1	100.0	284
18021	.0	4.6	21.9	45.4	23.0	5.1	.0	16.9	100.0	196
TOT	4	33	164	373	191	47	0	17.3		812
PCT	.5	4.1	20.2	45.9	23.5	5.8	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN
						CLOUD COVER
N	.0	3.5	2.5	2.8		5.7
NE	.0	2.5	.0	4.1		6.2
E	.0	.0	3.2	1.3		7.2
SE	.0	1.3	4.7	5.1		7.1
S	.6	1.3	3.2	.0		5.1
SW	1.9	2.8	5.4	4.4		5.5
W	5.1	2.2	6.6	9.2		5.4
NW	2.5	6.6	3.5	11.1		5.6
VAR	.0	.0	.0	.0		7.0
CALM	.0	.0	1.3	1.3	79	5.8
TOT OBS	8	16	24	31		
TOT PCT	10.1	20.3	30.4	39.2	100.0	

TABLE 6

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

	CEILING HEIGHTS (FT, NH >4/8)										8000+ NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	2.5	.9	.0	.0	.0	.0	.0	5.4
NE	1.3	.0	.0	.0	2.5	.3	.0	.0	.0	.0	.0	2.5
E	.0	.0	.0	.0	.6	.0	.0	2.5	.0	.0	.0	1.3
SE	.0	.0	.0	.0	4.4	1.6	1.3	.0	.0	.0	.0	1.3
S	.0	.0	.0	.0	.0	1.9	.6	1.3	.0	.0	.0	1.9
SW	1.3	.0	.0	1.6	2.5	1.9	1.3	.0	.0	.0	.0	6.0
W	.0	.0	1.3	2.2	.0	4.1	1.3	.9	1.3	1.3	1.3	10.8
NW	.0	.0	.0	3.8	3.8	1.9	.0	.3	.0	.0	.0	13.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	.0
TOT OBS	4	0	1	6	14	11	3	4	1	1	1	79
TOT PCT	5.1	.0	1.3	7.6	17.7	13.9	3.8	5.1	1.3	1.3	1.3	43.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
>5000	6.4	6.4	7.7	7.7	7.7	7.7	7.7	7.7
>3500	10.3	10.3	11.5	11.5	11.5	11.5	11.5	11.5
>2000	23.1	23.1	24.4	24.4	24.4	24.4	24.4	24.4
>1000	30.8	38.5	42.3	42.3	42.3	42.3	42.3	42.3
>600	35.9	43.6	50.0	50.0	50.0	50.0	50.0	50.0
>300	37.2	44.9	51.3	51.3	51.3	51.3	51.3	51.3
>150	37.2	44.9	51.3	51.3	51.3	51.3	51.3	51.3
>0	37.2	44.9	53.8	56.4	56.4	56.4	56.4	56.4
TOTAL	29	35	42	44	44	44	44	44

TOTAL NUMBER OF OBS: 78 PCT FREQ NH <5/8: 43.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	8 OBSCD	TOTAL OBS
	4.5	10.1	10.1	9.0	6.7	11.2	13.5	4.5	25.8	4.5	89

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	1.6
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	1.6
2<5	PCP	.0	.8	.0	.8	.0	.8	.6	1.8	.0	.0	.0	4.8
	NO PCP	.0	.0	.0	.8	.0	.0	.0	1.6	.0	.0	.0	2.4
	TOT %	.0	.8	.0	1.6	.0	.8	.6	3.4	.0	.0	.0	7.3
5<10	PCP	3.4	.4	.0	.0	.0	.0	.0	.2	.0	.0	.0	4.0
	NO PCP	2.0	1.6	2.8	1.2	1.6	.8	3.2	2.8	.0	.0	.0	16.1
	TOT %	5.4	2.0	2.8	1.2	1.6	.8	3.2	3.0	.0	.0	.0	20.2
10+	PCP	.0	.0	.0	.0	.0	1.0	.6	2.4	.0	.0	.0	4.0
	NO PCP	8.9	6.3	2.4	5.0	6.5	8.5	14.9	12.9	.0	.0	1.6	66.9
	TOT %	8.9	6.3	2.4	5.0	6.5	9.5	15.5	15.3	.0	1.6	.0	71.0
TOT OBS													124
TOT PCT													14.3 9.1 5.2 8.7 8.1 11.9 19.4 21.8 .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	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8
	TOT %	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	1.5
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
	11-21	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	1.5
	22+	.0	.0	.0	1.5	.0	.8	.6	1.7	.0	.0	.0	4.5
	TOT %	.0	.8	.0	1.5	.0	.8	.6	3.2	.0	.0	.0	6.8
5<10	0-3	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8
	4-10	.0	.0	.0	.0	.8	.4	.4	.0	.0	.0	.0	1.5
	11-21	4.4	.4	1.9	1.1	.8	.0	1.9	1.7	.0	.0	.0	12.1
	22+	.8	1.5	.0	.0	.0	1.1	.8	1.1	.0	.0	.0	5.3
	TOT %	5.1	1.9	2.7	1.1	1.5	1.5	3.0	2.8	.0	.0	.0	19.7
10+	0-3	1.5	.0	1.5	.0	.0	.8	.0	.0	.0	1.5	.0	5.3
	4-10	1.5	1.5	.0	2.3	4.0	2.3	3.6	6.8	.0	.0	.0	22.0
	11-21	4.2	4.0	.8	2.5	2.5	3.0	8.9	6.1	.0	.0	.0	31.8
	22+	1.1	.4	.0	.0	.8	5.9	3.2	1.5	.0	.0	.0	12.9
	TOT %	8.3	5.9	2.3	4.7	7.2	11.9	15.7	14.4	.0	1.5	.0	72.0
TOT OBS													132
TOT PCT													13.4 8.5 4.9 8.1 8.7 15.0 19.3 20.5 .0 1.5 100.0

MARCH

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 10

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

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	.0	27.3	9.1	18.2	.0	9.1	.0	9.1	72.7	27.3	11
06209	6.7	.0	.0	6.7	13.3	6.7	13.3	6.7	.0	.0	53.3	46.7	15
12215	5.4	.0	.0	2.7	18.9	16.2	2.7	2.7	2.7	.0	51.4	48.6	37
18221	5.6	.0	5.6	5.6	22.2	11.1	.0	5.6	.0	.0	55.6	44.4	18
TOT	4	0	1	6	14	11	3	4	1	1	45	36	81
PCT	4.9	.0	1.2	7.4	17.3	13.6	3.7	4.9	1.2	1.2	55.6	44.4	100.0

TABLE 11

PERCENT FREQUENTLY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00203	.0	.0	.0	14.3	19.0	66.7	21
06209	.0	.0	.0	6.7	23.3	70.0	30
12215	.0	.0	2.0	5.9	17.6	74.5	51
18221	.0	.0	3.2	3.2	19.4	74.2	31
TOT	0	0	2	9	26	96	133
PCT	.0	.0	1.5	6.8	19.5	72.2	100.0

TABLE 12

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

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00203	.0	.0	36.4	36.4	27.3	11
06209	6.7	6.7	13.3	40.0	46.7	15
12215	5.7	5.7	11.4	40.0	48.6	35
18221	5.9	11.8	23.5	35.3	41.2	17
TOT	4	5	14	30	34	78
PCT	5.1	6.4	17.9	38.5	43.6	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
70/74	.0	.0	.0	.0	.0	1.4	.0	.0	1	1.4
65/69	.0	1.4	.0	.0	4.2	9.7	8.3	13.9	27	37.5
60/64	.0	.0	.0	1.4	8.3	8.3	11.1	5.6	23	34.7
55/59	.0	.0	.0	.0	1.4	9.7	5.6	4.2	15	20.8
50/54	.0	.0	.0	1.4	1.4	.0	.0	2.8	4	5.6
TOTAL	0	1	0	2	11	20	19	19	72	100.0
PCT	.0	1.4	.0	2.8	15.3	27.8	26.4	26.4		

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	1.4	.0	.0
13.5	.3	5.6	.3	1.7	1.0	5.2	9.7	.0	.0
2.4	2.8	3.5	3.5	2.8	2.8	9.4	7.6	.0	.0
.0	1.4	.0	8.3	.0	1.4	3.5	8.3	.0	.0
.0	.0	.0	.0	1.0	1.7	.0	2.8	.0	.0
16.0	4.5	9.0	12.2	5.6	6.9	18.1	27.8	.0	.0

TABLE 15

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

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00203	71	70	67	61	53	48	48	60.9	103
06209	72	70	68	62	52	49	47	61.2	199
12215	77	72	70	64	55	53	51	63.2	277
18221	76	70	69	62	54	49	48	62.0	183
TOT	77	72	69	63	53	50	47	62.1	762

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00203	.0	6.7	6.7	40.0	20.0	26.7	80	15		
06209	.0	.0	23.5	23.5	23.5	29.4	80	17		
12215	.0	.0	18.0	28.6	28.6	23.8	81	21		
18221	.0	10.5	10.5	21.1	31.6	26.3	79	19		
TOT	0	3	11	20	19	19	80	72		

MARCH

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
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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	63 68	69 72	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.0	.9	.0	1	.0	.9
7/8	.0	.0	.0	.0	.6	.9	1	.0	.9
5	.0	.0	.0	1.9	.9	.0	3	.0	2.8
4	.0	.0	2.8	1.9	3.7	1.9	11	.0	10.2
3	.0	.0	.0	1.9	2.8	.0	5	.0	4.6
2	.0	.0	1.9	7.4	6.5	5.6	23	.0	21.3
1	.0	.0	2.8	3.7	.9	1.9	10	.0	9.3
0	.0	1.9	3.7	6.5	1.9	1.9	17	.0	15.7
-1	.0	1.9	.9	2.8	1.9	.0	8	.0	7.4
-2	.0	1.9	3.7	1.9	1.9	.9	11	.0	10.2
-3	.9	.0	.9	1.9	.9	.0	5	.0	4.6
-4	.0	.0	.0	2.8	.9	.0	4	.0	3.7
-5	.0	.0	.0	1.9	.0	.0	2	.0	1.9
-6	.0	.0	.9	.0	.0	.0	1	.0	.9
-7/-8	.0	.0	3.7	.9	.0	.0	5	.0	4.6
-11/-13	.9	.0	.0	.0	.0	.0	1	.0	.9
TOTAL	2	6	23	38	23	14	108	0	108
PCT	1.9	5.6	21.3	35.2	23.1	13.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	2.8
3-4	.0	.0	2.1	.0	.0	.0	2.1	.0	2.8	.0	.0	.0	.0	.0	2.8
5-6	.0	.0	8.3	.0	.0	.0	8.3	.0	.0	2.8	.0	.0	.0	.0	2.8
7	.0	.0	.0	2.8	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	2.8	.0	.0	.0	2.8
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	10.4	2.8	.0	.0	13.2	.0	5.6	2.8	2.8	.0	.0	.0	11.1

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	2.8
7	.0	.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	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	2.8	.0	5.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0	5.6
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	8.3	.0	13.9

PERIOD: (OVER-ALL) 1963-1976

MARCH

AREA 0020 TRISTAN DA CUNHA GROUP
38.2S 10.4W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.0	.0	.0	.0	2.1	2.8	3.5	.0	.0	.0	.0	6.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	2.8
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	.7	.0	.0	.0	.7
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	.0	2.1	.0	.0	.0	.0	2.1	2.8	6.3	.7	.0	.0	.0	9.7

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	2.8	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.8	.0	.0	.0	.0	2.8	.0	11.1	.0	.0	.0	.0	11.1	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	6.3	.0
5-6	.0	.0	2.8	2.8	.0	.0	5.6	.0	.0	11.1	.0	.0	.0	11.1	.0
7	.0	.0	2.1	.0	.0	.0	2.1	.0	.0	.0	2.8	.0	.0	2.8	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	5.6	4.9	2.8	.0	.0	13.2	.0	11.1	17.4	2.8	.0	.0	31.3	94.4

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	2.8	.0	.0	.0	.0	8.3	
1-2	2.8	22.2	.0	.0	.0	.0	25.0	
3-4	.0	5.6	8.3	.0	.0	.0	13.9	
5-6	.0	.0	27.8	2.8	.0	.0	30.6	
7	.0	.0	2.8	5.6	.0	.0	8.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	2.8	2.8	2.8	.0	8.3	
12	.0	.0	.0	.0	5.6	.0	5.6	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	30.6	41.7	11.1	8.3	.0	100.0	36

PERIOD: (OVER-ALL) 1949-1976

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	
4-6	.0	5.7	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
6-7	.0	.0	1.9	.0	9.4	5.7	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
8-9	.0	1.9	.0	3.8	.0	3.8	5.7	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	9
10-11	.0	.0	.0	.0	1.9	.0	5.7	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	12
12-13	.0	.0	.0	.0	.0	3.8	1.9	5.7	3.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	14
3-13	.0	.0	.0	.0	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
INDET	1.9	.0	1.9	1.9	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	9
TOTAL	1	4	2	3	12	7	6	8	6	3	0	1	0	0	0	0	0	0	0	0	100.0	
PCT	1.9	7.5	3.8	5.7	22.6	13.2	11.3	15.1	11.3	5.7	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0		

APRIL

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.25 10.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	5.4	.0	4.7	.0	.0	.0	.0	10.1	2.3	.0	2.3	2.3	.0	.0	82.9
NE	1.8	.0	1.8	.0	.0	.0	.0	3.6	16.1	.0	.0	.0	.0	.0	80.4
E	20.0	.0	20.0	.0	.0	.0	.0	40.0	20.0	.0	.0	.0	.0	.0	40.0
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	10.3	.0	.0	.0	.0	.0	89.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	4.5	.0	5.1	.0	.0	.0	.0	9.6	1.9	2.5	.0	.0	.0	.0	86.0
NW	13.2	.0	.8	.0	.0	.0	.0	14.0	7.0	.0	.8	.8	3.1	.0	74.4
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	20.0	.0	.0	.0	.0	.0	80.0
TOT PCT	5.7	.0	3.2	.0	.0	.0	.0	8.9	5.7	.6	.6	.6	.6	.0	82.8
TOT OBS:	157														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	5.3	.0	2.6	.0	.0	.0	.0	7.9	7.9	.0	.0	2.6	.0	.0	81.6
0600Z	8.2	.0	6.1	.0	.0	.0	.0	14.3	6.1	2.0	.0	.0	2.0	.0	75.5
1201Z	4.3	.0	2.1	.0	.0	.0	.0	6.4	4.3	.0	2.1	.0	.0	.0	87.2
1802Z	2.8	.0	.0	.0	.0	.0	.0	2.8	5.6	.0	.0	.0	.0	.0	91.7
TOT PCT	5.3	.0	2.9	.0	.0	.0	.0	8.2	5.9	.8	.6	.6	.6	.0	83.5
TOT OBS:	170														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.2	1.9	8.3	4.8	2.0	.5		17.7	21.2		17.0	15.4	16.3	17.9	16.4	30.0	18.6	21.2
NE	.1	1.2	4.5	1.3	.4	.2		7.6	17.8		7.3	7.7	11.4	7.1	6.7	.0	6.4	7.5
E	.1	.7	1.1	.5	.0	.0		2.5	13.8		2.7	.0	1.3	2.9	2.7	.0	2.9	2.8
SE	.4	1.1	1.1	.9	.1	.0		3.6	13.9		2.7	.0	.8	2.1	6.9	.0	2.9	2.4
S	.0	1.1	3.1	2.6	.2	1.0		8.1	23.3		8.2	23.1	6.5	10.7	7.5	.0	7.6	6.1
SW	.1	1.6	6.2	6.2	1.1	.0		15.1	20.9		14.1	30.8	10.4	12.9	15.8	30.0	13.7	20.3
W	.5	4.0	8.6	5.1	2.1	1.1		21.4	20.8		22.3	11.5	24.2	25.0	18.1	30.0	24.0	20.8
NW	.6	4.9	9.3	5.7	1.6	.4		22.4	18.7		24.8	11.5	25.4	20.0	23.3	10.0	22.8	17.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0		.9	.0	1.7	1.4	2.5	.0	1.0	.9
TOT OBS	28	126	321	207	56	25	763		19.7		110	13	118	70	239	5	102	106
TOT PCT	3.7	16.5	42.1	27.1	7.3	3.3	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	
N	.9	4.5	8.6	2.7	1.0		17.7	21.2		16.9	16.9	16.7	20.0
NE	.8	2.8	2.9	.8	.3		7.6	17.8		7.3	9.8	6.6	7.0
E	.3	1.5	.6	.1	.0		2.5	13.8		2.4	1.9	2.7	2.9
SE	.9	1.2	1.2	.2	.0		3.6	13.9		2.4	1.3	6.8	2.6
S	.4	2.2	3.1	1.4	1.0		8.1	23.3		9.8	9.3	7.4	6.9
SW	.8	3.6	6.8	3.9	.1		15.1	20.9		15.9	11.3	16.1	17.1
W	1.5	7.2	7.3	3.4	2.0		21.4	20.8		21.1	24.5	18.3	22.4
NW	1.9	7.4	9.0	3.3	.8		22.4	18.7		23.4	23.4	23.1	20.3
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
CALM	1.6						1.6	.0		.8	1.6	2.5	1.0
TOT OBS	69	231	302	121	40	763		19.7		123	188	244	208
TOT PCT	9.0	30.3	39.6	15.9	5.2	100.0				100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

APRIL

AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00103	.8	2.4	16.3	45.5	23.6	6.5	4.9	19.6	100.0	123
06109	1.6	1.1	19.1	37.2	26.1	10.1	4.8	20.7	100.0	188
12115	2.5	1.6	18.0	42.6	27.3	6.6	1.2	18.5	100.0	244
18121	1.0	3.4	17.5	42.8	29.8	6.3	3.4	20.1	100.0	208
TOT	12	16	126	321	207	56	25	19.7		763
PCT	1.6	2.1	16.5	42.1	27.1	7.3	3.3		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8 BSCD	TOTAL OBS	MEAN CLOUD COVER
NE	1.1	.8	2.3	3.6		6.0
E	.0	.0	.0	2.1		8.0
SE	.8	.0	1.5	.0		5.0
S	.6	.6	3.2	2.7		6.0
SW	.2	2.1	7.1	2.1		5.7
W	6.1	5.5	5.9	9.0		5.2
NW	3.8	3.8	7.1	6.9		5.3
VAR	.0	.0	.0	.0		.0
CALM	1.5	.0	.8	.8		3.7
TOT OBS	19	23	40	49	131	5.6
TOT PCT	14.5	17.6	30.5	37.4	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
1.3	.0	1.3	3.4	3.8	.8	.0	.0	.0	.0	7.4	
1.0	.0	1.5	.2	1.0	.0	1.5	.0	.0	.0	2.7	
.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.8	
.8	.0	.0	.0	1.7	.0	3.4	.0	.0	.0	1.1	
.8	.0	.2	.0	5.5	.8	1.1	.0	.0	.0	3.1	
.0	.0	2.1	1.7	9.0	1.5	.0	.0	.0	.0	12.2	
.8	.8	.2	3.1	6.7	.8	.0	.0	.0	.0	9.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	2.3	
.6	1	7	11	39	8	8	0	0	0	51	
4.6	.8	5.3	8.4	29.8	6.1	6.1	.0	.0	.0	28.9	
											131
											100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	4.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6
>2000	8.5	10.6	11.3	11.3	11.3	11.3	11.3	11.3
>1000	35.2	39.4	40.8	40.8	40.8	40.8	40.8	40.8
>600	40.1	45.8	49.3	49.3	49.3	49.3	49.3	49.3
>300	40.8	48.6	53.5	54.2	54.2	54.2	54.2	54.2
>150	40.8	49.3	54.2	54.9	54.9	54.9	54.9	54.9
>0	40.8	50.0	55.6	57.7	57.7	57.7	57.7	58.3
TOTAL	58	71	79	82	82	82	82	83

TOTAL NUMBER OF OBS: 142

PCT FREQ NH <5/8: 41.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.5	5.8	11.0	10.3	7.1	7.1	11.0	7.1	33.5	.6	155

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	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
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	.5	.2	.0	.0	.0	.0	.0	.6	.0	.0	1.3	
	NO PCP	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	1.3	
	TOT %	.5	.8	.0	.0	.6	.0	.0	.6	.0	.0	2.5	
2<5	PCP	.5	.2	.6	.0	.0	.0	.5	.8	.0	.0	2.5	
	NO PCP	1.8	.0	.0	.0	.0	.0	.6	.2	.0	.0	2.5	
	TOT %	2.2	.2	.6	.0	.0	.0	1.1	1.0	.0	.0	5.1	
5<10	PCP	.0	.0	.0	.0	.0	.0	1.3	.6	.0	.0	1.9	
	NO PCP	5.9	1.4	.6	.0	.6	1.0	2.7	3.0	.0	.0	13.9	
	TOT %	5.9	1.4	.6	.0	.6	1.0	4.0	3.7	.0	.0	17.8	
10+	PCP	.5	.0	.6	.0	.0	.0	.6	.8	.0	.0	2.5	
	NO PCP	10.8	6.5	1.3	2.5	4.9	8.9	19.3	14.5	.0	.0	71.3	
	TOT %	11.3	6.5	1.9	2.5	4.9	8.9	19.9	15.3	.0	.0	73.8	
TOT OBS													157
TOT PCT		20.5	8.9	3.2	2.5	6.2	9.9	25.0	20.5	.0	3.2	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	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	1.3	
	22+	.5	.2	.0	.0	.0	.0	.0	.6	.0	.0	1.3	
	TOT %	.5	.8	.0	.0	.6	.0	.0	.6	.0	.0	2.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.5	.0	.6	.0	.0	.0	.0	.2	.0	.0	1.3	
	11-21	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.6	
	22+	1.8	.2	.0	.0	.0	.0	.6	.6	.0	.0	3.2	
	TOT %	2.2	.2	.6	.0	.0	.0	1.1	1.0	.0	.0	5.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	
	4-10	.6	.6	.6	.0	.0	.6	.0	.0	.0	.0	2.5	
	11-21	3.8	.6	.0	.0	.0	.2	2.4	1.3	.0	.0	8.3	
	22+	1.4	.2	.0	.0	.6	.2	1.6	2.4	.0	.0	6.4	
	TOT %	5.9	1.4	.6	.0	.6	1.0	4.0	3.7	.0	.6	17.8	
10+	0-3	.0	.0	.0	.0	.0	.0	.5	.2	.0	2.5	3.2	
	4-10	1.8	2.5	.6	1.3	2.1	1.9	5.4	5.4	.0	.0	21.0	
	11-21	5.4	3.2	.8	.6	1.9	3.0	7.6	8.0	.0	.0	30.6	
	22+	4.1	.8	.5	.6	1.0	4.0	6.4	1.8	.0	.0	19.1	
	TOT %	11.3	6.5	1.9	2.5	4.9	8.9	19.9	15.3	.0	2.5	73.9	
TOT OBS													157
TOT PCT		20.5	8.9	3.2	2.5	6.2	9.9	25.0	20.5	.0	3.2	100.0	

APRIL

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	3.4	.0	3.4	3.4	34.5	3.4	3.4	.0	.0	.0	51.7	48.3	29
06009	11.4	.0	2.3	6.8	20.5	2.3	11.4	.0	.0	.0	54.5	45.5	44
12015	.0	2.3	7.0	7.0	32.6	9.3	2.3	.0	.0	.0	60.5	39.5	43
18021	.0	.0	6.5	16.1	29.0	6.5	3.2	.0	.0	.0	61.3	38.7	31
TOT	6	1	7	12	42	8	8	0	0	0	84	63	147
PCT	4.1	.7	4.8	8.2	28.6	5.4	5.4	.0	.0	.0	57.1	42.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	2.6	2.6	15.8	78.9	38
06009	2.0	.0	4.1	6.1	18.4	69.4	49
12015	.0	.0	2.1	4.3	10.6	83.0	47
18021	.0	.0	.0	5.6	27.8	66.7	36
TOT	1	0	4	8	30	127	170
PCT	.6	.0	2.4	4.7	17.6	74.7	100.0

TABLE 12

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

HR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	3.8	7.7	46.2	46.2	26
06009	11.9	14.3	23.8	33.3	42.9	42
12015	.0	9.3	18.6	41.9	39.5	43
18021	.0	6.5	22.6	38.7	38.7	31
TOT	5	13	27	56	59	142
PCT	3.5	9.2	19.0	39.4	41.5	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
70/74	.0	.0	.0	.0	.0	.8	.0	.0	1	.8
69/69	.0	.0	.0	.0	.8	.8	3.1	2.3	9	7.0
60/64	.0	.0	.0	.0	1.6	3.9	12.5	14.8	42	32.8
59/59	.0	.0	.0	.0	7.8	6.3	12.5	14.1	52	40.6
50/54	.0	.0	.0	1.6	3.1	3.9	3.9	3.1	20	15.6
49/49	.0	.0	.0	.0	.0	2.3	.0	.8	4	3.1
TOTAL	0	0	0	2	17	23	41	45	128	100.0
PCT	.0	.0	.0	1.6	13.3	18.0	32.0	35.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
69/69	2.0	.0	.0	.0	.0	.0	2.0	3.1	.0	.0
60/64	7.2	1.8	.8	.0	.6	1.8	9.4	10.5	.0	.8
59/59	9.6	1.6	2.1	.0	.0	6.8	11.5	8.2	.0	.8
50/54	.0	1.6	.0	.8	4.5	2.1	5.1	.0	.0	1.6
49/49	.0	.0	.0	.0	1.6	1.0	.6	.0	.0	.0
TOTAL	18.8	5.7	2.9	.8	6.6	11.7	28.5	21.9	.0	3.1

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	67	66	59	50	48	47	58.9	124
06009	68	67	65	59	52	48	48	59.1	189
12015	73	71	68	61	53	49	48	60.6	241
18021	70	69	66	60	51	48	48	59.8	204
TOT	73	69	67	60	52	48	47	59.7	758

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	15.2	18.2	33.3	33.3	63	33
06009	.0	.0	7.3	19.5	31.7	41.5	86	41
12015	.0	2.8	16.7	19.4	36.1	25.0	82	36
18021	.0	3.2	12.9	19.4	25.8	38.7	83	31
TOT	0	2	18	27	45	49	83	141

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

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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	45	49	53	57	61	65	69	TOT	W FOG	WD FOG
9/10	.0	.0	.0	.0	.6	.0	.0	1	.0	.6
7/8	.0	.0	.0	.0	.6	.0	.6	2	.0	1.3
6	.0	.0	.0	.0	.0	1.3	.0	2	.0	1.3
5	.0	.0	.0	.0	.6	.6	.0	2	.0	1.3
4	.0	.0	.0	.6	2.5	3.2	.0	10	.0	6.3
3	.0	.0	.0	5.1	2.5	.6	.0	13	.0	8.2
2	.0	.0	.0	1.3	5.7	.6	.0	12	.0	7.6
1	.0	.0	2.5	5.7	3.8	.6	.0	20	.6	12.0
0	.0	.6	1.9	7.6	5.7	.0	.6	26	.0	15.8
-1	.0	.6	4.4	5.7	1.9	.6	.0	21	.0	13.3
-2	.0	.6	2.5	4.4	1.9	.6	.0	16	.0	9.5
-3	.0	.0	1.9	2.5	.0	.0	.0	7	.0	4.4
-4	.0	.6	1.9	1.3	.0	.0	.0	6	.0	4.4
-5	.6	2.5	.6	.6	.0	.0	.0	7	.0	4.4
-6	1.3	.0	.6	.6	.0	.0	.0	4	.0	3.2
-7/-8	.0	.6	1.3	.6	.0	.0	.0	4	.0	2.5
-9/-10	.0	.6	1.3	.0	.0	.0	.0	3	.0	1.9
-11/-13	.0	.6	.0	.6	.0	.0	.0	2	.0	1.3
TOTAL	3	11	30	58	41	13	2	158	.6	157
PCT	1.9	7.0	19.0	36.7	25.9	8.2	1.3	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N							NE						
	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	.0	2.8	.0	.0	.0	2.8	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	.0	.0	1.4	.0	.0	1.4	.0	1.4	2.8	.0	.0	.0	4.2
5-6	.0	.0	3.5	2.8	.0	.0	6.3	.0	.0	.4	.0	.0	.0	.7
7	.0	.0	1.4	1.4	1.1	.0	3.9	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.4	1.1	2.8	5.3	.0	.0	.0	.0	.4	.0	.4
12	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.4	.0	.4
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	.0	.0	7.7	8.1	3.2	2.8	21.8	.0	1.4	4.6	.4	.7	.0	7.0

HGT	E							SE						
	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	1.4	.0	.0	.0	.0	1.4
1-2	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	1.4	.0	.0	1.4
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	.0	1.4	.0	1.1	.0	.0	2.5	.0	1.4	.0	1.4	.0	.0	2.8

PERIOD: (OVER-ALL) 1963-1976

APRIL

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.1	.0	.0	.0	.0	1.1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	1.1	.0	.0	.0	.0	1.1	.0	1.8	.4	.0	.0	.0	2.1
3-4	.0	1.4	2.1	.0	.0	.0	3.5	.0	1.4	2.1	2.8	.0	.0	6.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.4	.0	.0	3.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.8	.0	.0	3.2
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	.0	3.5	2.1	.0	.0	.0	5.6	.0	3.5	5.6	6.0	.0	.0	15.1

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	4.9	.0	.0	.0	7.4	.0	.4	4.6	.0	.0	.0	4.9
3-4	.0	.0	4.9	1.4	.0	.0	6.3	.0	1.4	.7	2.8	.0	.0	4.9
5-6	.0	.0	3.9	.0	1.4	.0	5.3	.0	.0	1.8	.0	.0	.0	1.8
7	.0	.0	.0	2.1	.0	.0	2.1	.0	.0	.0	1.8	.4	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	3.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.4	.0	.4
13-16	.0	.0	.0	.0	1.4	.0	1.4	.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	.0	3.9	13.7	4.9	2.5	.0	25.0	.0	1.8	7.0	7.7	.7	.0	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	2.7	5.5	.0	.0	.0	.0	8.2	
1-2	.0	8.2	13.7	.0	.0	.0	21.9	
3-4	.0	5.5	12.3	8.2	.0	.0	26.0	
5-6	.0	.0	11.0	6.8	1.4	.0	19.2	
7	.0	.0	2.7	6.8	1.4	.0	11.0	
8-9	.0	.0	.0	4.1	.0	.0	4.1	
10-11	.0	.0	.0	1.4	1.4	2.7	5.5	
12	.0	.0	.0	.0	2.7	.0	2.7	
13-16	.0	.0	.0	1.4	.0	.0	1.4	
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	2.7	19.2	39.7	28.8	6.8	2.7	100.0	73

PERIOD: (OVER-ALL) 1952-1976

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	.0	4.8	4.8	3.2	4.0	.8	1.6	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6	
6-7	.0	.0	1.6	8.0	8.0	3.2	3.2	.8	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	7
8-9	.0	.8	2.4	8.0	3.2	1.6	3.2	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	7
10-11	.0	.0	.0	.8	.0	1.6	.8	.8	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	11
12-13	.0	.0	1.6	.0	.0	1.6	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
>13	.0	.0	.0	.8	.0	.8	.0	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	12
INDET	1.6	2.4	.8	4.0	4.0	.8	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
TOTAL	2	10	14	31	24	12	14	7	8	0	3	0	0	0	0	0	0	0	0	0	125	7	
PCT	1.6	8.0	11.2	24.8	19.2	9.6	11.2	5.6	6.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	8.7	6.0	7.3	.0	.0	.0	.0	22.0	.0	.0	4.0	.0	.0	.0	74.0
NE	11.5	9.4	6.3	.0	.0	.0	.0	27.1	1.0	.0	.0	.0	.0	.0	71.9
E	.0	3.0	21.8	.0	.0	.0	.0	24.8	3.0	.0	3.0	.0	.0	.0	69.3
SE	.0	.0	4.3	.0	.0	.0	.0	4.3	.0	.0	4.3	.0	.0	.0	91.3
S	.0	.0	4.3	.0	.0	.0	.0	4.3	5.7	.0	.0	.0	.0	.0	90.0
SW	5.9	4.9	3.9	.0	.0	.0	.0	14.8	2.0	.0	.0	.0	.0	.0	83.3
W	12.5	8.9	2.8	.0	.0	.0	1.2	23.4	7.2	.0	2.5	.0	.0	.0	67.0
NW	16.4	10.5	1.8	.0	.0	.0	.0	28.6	2.3	.0	.9	.0	.0	.0	68.2
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	.0	.0	.0	.0	.0	100.0
TOT PCT	9.0	6.1	5.1	.0	.0	.0	.3	20.6	3.2	.0	1.6	.0	.0	.0	74.6
TOT OBS:	311														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	9.6	2.7	8.2	.0	.0	.0	.0	20.5	4.1	.0	1.4	.0	.0	.0	74.0
06009	8.8	10.8	2.9	.0	.0	.0	.0	22.5	1.0	.0	1.0	.0	.0	.0	75.5
12015	9.5	2.7	4.1	.0	.0	.0	.0	16.2	6.8	.0	1.4	.0	.0	.0	75.7
18021	8.2	4.1	7.2	.0	.0	.0	1.0	20.6	3.1	.0	2.1	.0	.0	.0	74.2
TOT PCT	9.0	5.5	5.5	.0	.0	.0	.3	20.2	3.5	.0	1.4	.0	.0	.0	74.9
TOT OBS:	346														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.2	2.9	3.7	6.5	1.4	*	14.8	21.2	14.2	19.6	11.8	13.0	16.3	6.3	16.5	14.5
NE	.3	2.4	4.8	3.4	.7	*	11.6	18.4	11.9	13.0	11.7	10.9	12.4	18.8	10.9	10.5
E	.5	1.4	1.8	1.3	.9	.0	5.3	16.3	7.7	2.2	5.1	4.0	4.6	.0	6.2	4.6
SE	.2	1.1	.9	1.0	1.1	.2	4.4	22.8	4.6	13.0	2.4	6.9	4.9	.0	3.2	4.0
S	.1	1.2	2.6	1.8	.6	.1	6.3	19.2	6.3	4.3	5.1	7.7	6.7	25.0	6.3	5.2
SW	.5	3.1	5.3	3.6	1.8	.2	14.4	19.5	12.0	19.6	17.0	13.9	13.8	6.3	13.0	14.2
W	.3	3.9	7.0	6.4	2.5	.7	20.7	21.5	20.8	13.0	21.5	19.3	22.1	31.3	18.8	21.3
NW	.3	4.0	7.4	6.7	2.0	.4	20.7	20.6	18.3	15.2	22.4	21.5	19.3	12.5	22.1	23.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	4.2	.0	2.9	.7	.0	.0	1.1	2.5
TOT OBS	47	240	400	368	125	19	1199	19.9	189	23	209	137	289	8	182	162
TOT PCT	3.9	20.0	33.4	30.7	10.4	1.6		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	06	12	18	21
N	1.2	3.7	5.1	4.4	.4	14.8	21.2	14.7	13.1	16.1	15.6	
NE	1.4	2.9	5.2	1.9	.2	11.6	18.4	12.0	11.4	12.5	10.7	
E	1.2	1.4	2.0	.5	.2	5.3	16.3	7.1	4.7	4.5	5.5	
SE	.5	1.4	.7	1.1	.6	4.4	22.8	5.5	4.2	4.8	3.6	
S	.4	2.4	2.3	1.1	.1	6.3	19.2	6.1	6.1	7.2	5.8	
SW	1.5	4.5	4.8	2.9	.7	14.4	19.5	12.9	15.8	13.6	14.6	
W	2.0	5.5	7.3	4.5	1.5	20.7	21.5	19.9	20.7	22.3	20.0	
NW	1.5	6.5	6.9	4.9	.9	20.7	20.6	17.9	22.0	19.1	22.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.8					1.8	.0	3.8	2.0	.0	1.7	
TOT OBS	136	340	413	256	54	1199	19.9	212	346	297	344	
TOT PCT	11.3	28.4	34.4	21.4	4.5		100.0	100.0	100.0	100.0	100.0	

MAY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1856-1976

AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.4H

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS	
		1-3	4-10	11-21	22-33	34-47	48+ MEAN			
00603	3.8	3.3	23.1	34.9	24.5	9.9	.5	18.1	100.0	212
06609	2.0	1.7	19.9	32.7	31.2	11.0	.9	20.0	100.0	346
12615	.0	1.7	17.5	34.0	34.0	9.1	3.7	21.2	100.0	297
18621	1.7	2.3	20.3	32.6	31.1	10.8	1.2	19.8	100.0	344
TOT	21	26	240	400	368	125	19	19.9		1199
PCT	1.8	2.2	20.0	33.4	30.7	10.4	1.6		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	1.1	2.4	2.9	2.5	5.4	
E	1.1	3.2	2.7	6.6	5.9	
SE	.0	1.1	1.5	.0	5.5	
S	.3	1.0	2.4	.0	5.1	
SW	5.1	2.5	4.1	3.7	4.4	
W	3.7	3.8	6.3	7.4	5.5	
NW	3.4	1.3	3.8	4.4	5.3	
VAR	.0	.0	.0	.0	.0	
CALM	5.6	1.1	.6	1.1	2.5	
TOT OBS	41	32	47	58	178	
TOT PCT	23.0	18.0	26.4	32.6	100.0	

TABLE 6

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

	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+		
N	.0	.0	.6	2.0	4.1	.8	.0	.0	.0	.6	5.3	
NE	.0	.0	.3	.8	3.7	.6	.1	.0	.0	.0	3.5	
E	.4	.0	1.4	2.1	2.7	.0	1.5	.0	.0	.0	5.5	
SE	.1	.0	.0	.0	.0	1.3	.1	.0	.0	.0	1.1	
S	.0	.0	.0	1.1	.0	.4	.4	.0	.0	.0	1.7	
SW	.0	.0	.6	1.1	3.1	.6	.6	.0	.0	.0	9.4	
W	.0	.0	1.7	3.7	3.2	.8	1.1	.0	1.0	.0	9.7	
NW	.6	.0	.0	1.0	2.4	2.2	.0	.0	.1	.0	6.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.0	.0	.6	.6	.6	.0	.0	.0	6.7	
TOT OBS	2	0	8	21	35	13	8	2	1	1	88	
TOT PCT	1.1	.0	4.5	11.8	19.7	7.3	4.5	.0	1.1	.6	49.4	

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>5000	1.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
>3500	5.1	6.6	6.6	6.6	6.6	6.6	6.6	6.6
>2000	9.6	13.2	14.2	14.2	14.2	14.2	14.2	14.2
>1000	26.9	31.0	33.0	33.5	33.5	33.5	33.5	33.5
>600	34.0	40.6	45.2	45.7	45.7	45.7	45.7	45.7
>300	34.5	44.2	50.3	50.8	50.8	50.8	50.8	50.8
>150	34.5	44.2	50.3	50.8	50.8	50.8	50.8	50.8
>0	34.5	44.7	50.8	51.3	51.3	51.8	51.8	52.3
TOTAL	68	88	100	101	101	102	102	103

TOTAL NUMBER OF OBS: 197

PCT FREQ NH <5/8: 47.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.3	9.2	11.2	13.1	7.8	8.7	12.6	8.3	22.8	.0	206

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	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
	NO PCP	.0	.0	.2	.1	.0	.0	.0	.3	.0	.0	.6	
	TOT %	.2	.0	.2	.1	.0	.0	.0	.4	.0	.0	1.0	
1/2<1	PCP	.2	.2	.0	.0	.0	.0	.6	1.3	.0	.0	2.3	
	NO PCP	.3	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.0	
	TOT %	.5	.2	.0	.0	.0	.0	1.3	1.3	.0	.0	3.2	
1<2	PCP	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.6	
	TOT %	.5	.0	.0	.0	.0	.0	.6	.6	.0	.0	1.6	
2<5	PCP	.4	.5	1.2	.0	.0	.0	.7	.6	.0	.0	3.5	
	NO PCP	1.1	.1	.2	.0	.0	.0	.3	.2	.0	.0	1.9	
	TOT %	1.7	.6	1.5	.0	.0	.0	1.0	.7	.0	.0	5.5	
5<10	PCP	.3	1.3	.0	.1	.2	1.5	3.5	2.7	.0	.0	9.7	
	NO PCP	1.9	.8	.0	.6	1.1	5.3	7.7	6.0	.0	.0	23.5	
	TOT %	2.3	2.1	.0	.7	1.4	6.8	11.2	8.8	.0	.0	33.2	
10+	PCP	.6	.2	.8	.0	.0	1.0	.9	.2	.0	.0	3.5	
	NO PCP	6.0	4.8	5.6	1.0	4.3	8.6	10.9	5.8	.0	4.8	51.9	
	TOT %	6.6	4.9	6.5	1.0	4.3	9.6	11.8	6.0	.0	4.8	55.4	
TOT OBS													310
TOT PCT		11.8	7.7	8.1	1.9	5.6	16.4	25.9	17.7	.0	4.8	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	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.6	
	TOT %	.2	.0	.2	.1	.0	.0	.0	.4	.0	.0	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	11-21	.3	.0	.0	.0	.0	.0	1.3	.3	.0	.0	1.9	
	22+	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
	TOT %	.5	.2	.0	.0	.0	.0	1.3	1.3	.0	.0	3.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.3	
	11-21	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	22+	.2	.0	.0	.0	.0	.0	.3	.5	.0	.0	1.0	
	TOT %	.5	.0	.0	.0	.0	.0	.6	.6	.0	.0	1.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.3	.3	.0	.0	.0	.4	.2	.0	.0	1.3	
	11-21	1.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.6	
	22+	.5	.1	.9	.0	.0	.0	.6	.5	.0	.0	2.6	
	TOT %	1.7	.6	1.5	.0	.0	.0	1.0	.7	.0	.0	5.5	
5<10	0-3	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.6	
	4-10	.3	.6	.0	.0	.0	2.3	2.6	1.3	.0	.0	7.1	
	11-21	1.5	1.0	.0	.0	.2	2.3	4.4	4.3	.0	.0	13.5	
	22+	.5	.5	.0	.7	1.2	1.9	3.9	3.2	.0	.0	11.9	
	TOT %	2.3	2.1	.0	.7	1.4	6.8	11.2	8.8	.0	.0	33.2	
10+	0-3	.3	.0	.3	.0	.0	.3	.0	.0	.0	4.8	5.8	
	4-10	3.4	3.1	1.2	.5	1.5	3.3	2.3	2.6	.0	.0	17.7	
	11-21	.9	1.8	3.7	.2	1.1	3.8	6.4	2.2	.0	.0	20.0	
	22+	2.0	.1	1.2	.4	1.7	2.2	3.1	1.2	.0	.0	11.9	
	TOT %	6.6	4.9	6.5	1.0	4.3	9.6	11.8	6.0	.0	4.8	55.5	
TOT OBS													310
TOT PCT		11.8	7.7	8.1	1.9	5.6	16.4	25.9	17.7	.0	4.8	100.0	

MAY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1856-1976

AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.4W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	3.9	19.6	7.8	13.7	5.9	2.0	2.0	.0	54.9	45.1	51
06009	3.8	.0	.0	7.5	17.0	1.9	1.9	.0	1.9	.0	34.0	66.0	53
12015	2.0	.0	6.0	12.0	26.0	6.0	2.0	.0	.0	2.0	56.0	44.0	50
18021	.0	.0	10.6	8.5	25.5	8.5	6.4	2.1	.0	.0	61.7	38.3	47
TOT	3	0	10	24	38	15	8	2	2	1	103	98	201
PCT	1.5	.0	5.0	11.9	18.9	7.5	4.0	1.0	1.0	.5	51.2	48.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.4	1.4	2.7	5.5	32.9	56.2	73
06009	1.0	3.9	1.0	2.9	34.3	56.9	102
12015	1.4	2.7	1.4	6.8	28.8	58.9	73
18021	.0	4.1	1.0	6.2	39.2	49.5	97
TOT	3	11	5	18	118	190	345
PCT	.9	3.2	1.4	5.2	34.2	55.1	100.0

TABLE 12

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

HR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	3.9	27.5	27.5	45.1	51
06009	4.1	4.1	14.3	22.4	63.3	49
12015	2.0	8.0	24.0	34.0	42.0	50
18021	.0	10.6	21.3	40.4	38.3	47
TOT	3	13	43	61	93	197
PCT	1.5	6.6	21.8	31.0	47.2	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
65/69	.0	.0	.0	.0	1.2	.4	2.7	.8	13	5.1
60/64	.0	.0	.0	.0	3.9	5.8	15.2	10.1	89	34.6
55/59	.0	.0	2.3	5.4	7.0	8.2	15.2	9.8	98	38.1
50/54	.0	.0	.0	1.2	7.4	6.2	3.9	4.8	48	18.7
45/49	.0	.0	.0	.0	.4	1.6	1.2	.8	3	1.1
40/44	.0	.0	.0	.0	.0	.4	.0	1	1	.4
TOTAL	0	0	0	6	29	54	88	80	257	100.0
PCT	.0	.0	.0	2.3	11.3	21.0	34.2	31.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.0	.3	1.3	.0	.0	.9	1.1	.6	.0	.0	.0
6.7	4.2	4.5	.9	.6	5.0	7.5	3.8	.0	1.6	.0
3.4	3.2	2.6	1.0	1.0	6.1	9.7	7.6	.0	3.5	.0
2.1	.4	.0	.0	1.2	4.7	6.1	3.4	.0	.8	.0
.0	.0	.0	.0	.0	.6	2.5	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
TOTAL	13.2	8.1	8.4	1.8	2.7	17.2	27.3	15.4	.0	5.8

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	67	66	65	59	50	47	45	58.2	212
06009	68	67	64	59	51	49	45	58.3	344
12015	72	68	66	60	51	46	45	59.2	294
18021	75	68	65	59	50	45	44	58.8	337
TOT	75	67	65	59	51	47	44	58.7	1187

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.5	8.8	23.5	27.9	38.2	84	68
06009	.0	1.3	6.5	23.4	29.9	39.0	84	77
12015	.0	1.6	25.4	12.7	36.5	23.8	81	63
18021	.0	5.1	8.9	20.3	32.9	32.9	83	79
TOT	0	7	34	58	91	97	83	287

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1856-1976

MAY

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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	41	45	49	53	57	61	65	TCT	W FOG	WD FOG
7/8	.0	.0	.0	.0	.4	.0	.4	2	.0	.8
6	.0	.0	.0	.0	.4	.4	1.6	6	.0	2.4
5	.0	.0	.0	.4	.4	1.6	.8	8	.0	3.1
4	.0	.0	.0	.0	1.6	4.3	1.6	19	.0	7.5
3	.0	.0	.0	.0	.8	4.3	.8	15	.0	5.9
2	.0	.0	.0	.8	3.5	3.1	.4	20	.0	7.5
1	.0	.0	.0	.8	5.1	5.9	.8	32	.4	12.2
0	.0	.0	.4	4.7	6.3	3.9	.4	40	.4	15.3
-1	.0	.0	.4	.8	8.6	1.6	.0	29	.4	11.0
-2	.0	.4	.4	.4	3.5	.4	.4	14	.0	5.5
-3	.0	.0	1.6	2.0	3.9	.0	.0	19	.0	7.5
-4	.0	.0	2.0	2.0	2.0	.0	.0	15	.0	5.9
-5	.0	.8	1.2	2.7	.8	.4	.0	15	.0	5.9
-6	.0	.4	.8	.8	.0	.4	.0	6	.0	2.4
-7/-8	.4	2.4	1.6	.4	.4	.0	.0	13	.0	5.1
-9/-10	.0	.0	.4	.0	.0	.0	.0	1	.0	.4
-11/13	.0	.0	.0	.0	.4	.0	.0	1	.0	.4
TOTAL	1	22	22	97	67	18		255	3	252
PCT	.4	3.9	8.6	15.7	38.0	26.3	7.1	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.8	.0	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	.8
1-2	.8	.8	2.9	.0	.0	.0	4.5	.0	3.3	.2	.0	.0	.0	.0	3.5
3-4	.0	2.3	.8	1.7	.0	.0	4.8	.0	1.0	1.9	.0	.0	.0	.0	2.9
5-6	.0	.8	1.7	.8	1.4	.0	4.8	.0	.0	1.9	.0	.0	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.8	5.4	2.5	1.4	.0	14.9	.0	5.2	3.9	.4	.0	.0	.0	9.5

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	2.5	.0	.0	.0	3.1	.0	.2	.0	.0	.0	.0	.0	.2
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.7	2.3	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.8	.0	.0	.8	.0	.0	.8	.0	.0	.0	.0	.8
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	1.4	7.0	5.4	.0	.0	13.8	.0	.2	.0	1.2	.0	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1976

MAY

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.0	.0	.0	.0	.0	2.7
1-2	.0	.8	.6	.0	.0	.0	1.4	.0	2.5	1.0	.0	.0	.0	.0	3.5
3-4	.0	.0	.0	1.2	.0	.0	1.2	.0	.8	1.9	1.7	.0	.0	.0	4.3
5-6	.0	.0	.0	1.7	.0	.0	1.7	.0	.8	1.9	.0	1.7	.0	.0	4.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.6	3.5	.0	.0	5.0	.8	5.0	5.8	1.9	1.7	.0	15.1	

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.6	.0	.0	.0	.6	.0	2.5	.0	.0	.0	.0	.0	2.5
1-2	.0	2.1	3.3	.0	.0	.0	5.4	.0	1.2	.2	.0	.0	.0	.0	1.4
3-4	.0	.0	6.2	1.7	.0	.0	7.9	.0	.8	1.0	.0	.0	.0	.0	1.8
5-6	.0	.0	2.3	1.7	.0	.0	3.9	.0	.8	2.5	.8	1.0	.0	.0	5.2
7	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	1.7
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	2.1	14.0	3.3	.0	.0	19.4	.0	5.4	5.4	.8	1.0	.0	12.6	91.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.6	5.7	1.6	.0	.0	.0	17.9	123
1-2	.8	11.4	10.6	.0	.0	.0	22.8	
3-4	.0	4.9	13.0	6.5	.0	.0	24.4	
5-6	.0	2.4	10.6	4.9	4.1	.0	22.0	
7	.0	.0	3.3	.8	.0	.0	4.1	
8-9	.0	.0	1.6	3.3	.0	.0	4.9	
10-11	.0	.0	.8	.0	.0	.0	.8	
12	.0	.0	.0	1.6	.0	.0	1.6	
13-16	.0	.0	.0	1.6	.0	.0	1.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.4	24.4	41.5	18.7	4.1	.0	100.0	

PERIOD: (OVER-ALL) 1960-1976

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	71-80	87+	TOTAL	MEAN HGT	
<6	1.3	3.2	4.5	12.3	10.4	5.2	.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	6
6-7	.0	.0	3.2	4.5	8.4	6.5	4.5	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	7
8-9	.0	.0	1.9	.6	.0	.0	1.9	.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
10-11	.0	1.3	.6	.6	.0	.6	1.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
12-13	.0	.0	.0	.0	.6	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
>13	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
INDET	.0	2.6	5.8	3.9	1.3	.0	.0	.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	5
TOTAL	2	12	25	37	32	20	13	7	4	2	0	0	0	0	0	0	0	0	0	0	154	6
PCT	1.3	7.8	16.2	24.0	20.8	13.0	8.4	4.5	2.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	19.8	7.2	7.2	.0	.0	.0	3.6	37.8	.0	.0	10.8	.0	7.2	.0	44.1
NE	7.1	.0	14.3	.0	.0	.0	28.6	50.0	.0	.0	14.3	.0	.0	.0	35.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	12.5	.0	.0	.0	12.5	25.0	12.5	.0	.0	.0	.0	.0	62.5
SW	.0	5.8	.0	.0	.0	.0	.0	5.8	1.4	.0	.0	.0	5.8	.0	87.0
W	.0	3.2	3.5	.0	.0	.0	3.5	12.2	4.3	.0	.0	.0	.0	.0	83.5
NW	13.8	4.9	1.6	.0	.0	.0	.0	20.3	1.6	.0	1.6	.0	.0	.0	76.4
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	.0	.0	.0	100.0
TOT PCT	8.3	5.0	4.1	.0	.0	.0	3.3	20.7	2.5	.0	3.3	.0	2.5	.0	71.1
TOT OBS:	121														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	12.9	3.2	12.9	.0	.0	.0	3.2	32.3	3.2	.0	3.2	.0	.0	.0	61.3
06009	9.8	9.8	2.4	.0	.0	.0	7.3	29.3	.0	.0	2.4	.0	.0	.0	68.3
12015	7.1	3.6	.0	.0	.0	.0	3.6	14.3	3.6	.0	.0	.0	7.1	.0	75.0
18021	6.1	3.0	3.0	.0	.0	.0	3.0	15.2	3.0	.0	6.1	.0	3.0	.0	72.7
TOT PCT	9.0	5.3	4.5	.0	.0	.0	4.5	23.3	2.3	.0	3.0	.0	2.3	.0	69.2
TOT OBS:	133														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.4	1.7	5.6	5.3	2.7	.4	16.2	22.9	18.9	10.7	13.9	15.0	17.0	29.4	15.5	15.5	
NE	.1	1.4	5.0	2.3	.5	*	9.4	18.3	7.6	3.6	8.6	10.2	9.1	14.7	10.0	11.6	
E	.4	.5	1.3	1.3	.1	.0	3.6	17.6	5.5	.0	4.0	2.9	3.2	.0	4.1	2.7	
SE	.1	.4	.8	.7	.3	.2	2.5	22.2	1.7	.0	2.3	2.2	4.1	5.9	1.7	1.5	
S	.1	1.9	2.9	2.4	1.0	.3	8.7	20.4	7.0	7.1	7.1	8.3	10.4	5.9	9.3	9.5	
SW	.0	2.1	4.2	3.4	2.0	.5	14.2	23.1	11.6	14.3	14.1	15.0	15.4	14.7	13.3	14.6	
W	.1	2.5	7.2	7.4	3.5	.6	21.3	23.3	25.3	42.9	24.4	20.4	18.1	11.8	20.9	19.5	
NW	.3	2.2	8.4	7.6	4.1	.5	23.2	23.7	20.6	21.4	24.4	25.5	21.6	17.6	24.5	24.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0						1.0	.0	1.7	.0	1.1	.6	1.1	.0	.7	.6	
TOT OBS	28	142	399	364	161	30	1124		172	14	175	157	280	17	145	164	
TOT PCT	2.5	12.6	35.5	32.4	14.3	2.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.1	3.2	7.0	3.9	1.1	16.2	22.9	18.3	14.4	17.7	15.5	
NE	.7	2.7	4.8	1.0	.2	9.4	18.3	7.3	9.3	9.4	10.8	
E	.4	1.1	1.6	.4	.1	3.6	17.6	5.1	3.5	3.0	3.4	
SE	.2	.8	1.0	.3	.3	2.5	22.2	1.6	2.3	4.2	1.6	
S	1.1	2.3	3.1	1.6	.5	8.7	20.4	7.0	7.7	10.1	9.4	
SW	.8	3.3	5.4	3.9	.8	14.2	23.1	11.8	14.5	13.4	14.0	
W	1.1	3.3	7.3	6.0	1.6	21.3	23.3	26.6	22.5	17.8	20.1	
NW	1.4	4.4	8.9	6.3	2.1	23.2	23.7	20.7	24.9	21.4	24.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0					1.0	.0	1.6	.9	1.0	.6	
TOT OBS	88	259	438	263	76	1124		186	332	297	309	
TOT PCT	7.8	23.0	39.0	23.4	6.8	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1859-1975

JUNE

APEA 0020 TRISTAN DA CUNHA GROUP
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	1.6	2.7	10.2	33.3	31.7	17.2	3.2	22.9	100.0	186
0600	.9	1.8	11.4	34.3	34.0	14.5	3.0	22.3	100.0	332
1200	1.0	1.0	13.5	38.4	31.0	10.4	2.7	21.0	100.0	297
1800	.6	1.0	12.6	35.3	32.4	16.2	1.9	22.6	100.0	309
TOT	11	17	142	399	364	161	30	22.1		1124
PCT	1.0	1.5	12.6	35.5	32.4	14.3	2.7	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.4	2.1		7.8
E	1.7	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	5.0	3.3	1.7		5.3
SW	6.7	1.7	9.2	2.1		4.6
W	8.3	3.3	10.8	7.9		5.1
NW	2.1	1.7	5.0	3.8		5.6
VAR	.0	.0	.0	.0		.0
CALM	1.7	.0	3.3	1.7		3.2
TOT OBS	14	7	21	18	60	5.3
TOT PCT	23.3	11.7	35.0	30.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
NE	.0	.0	.0	2.1	.4	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	1.7	1.7	1.7	.0	.0	.0	.0	5.0
SW	.0	.0	.0	2.1	2.1	.0	.4	.0	.0	.0	.0	13.0
W	.0	.0	.0	6.3	7.9	.0	1.3	.0	.0	.0	.0	19.0
NW	.0	.0	.0	1.7	2.1	1.7	.0	.0	.0	.0	.0	7.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	5.0
TOT OBS	1	0	3	10	11	2	2	0	0	0	0	31
TOT PCT	1.7	.0	5.0	16.7	18.3	3.3	3.3	.0	.0	.0	.0	51.7

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
>2000	3.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6
>1000	18.0	24.6	24.6	24.6	24.6	24.6	24.6	24.6
>600	29.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6
>300	29.5	45.9	47.5	47.5	47.5	47.5	47.5	47.5
>150	29.5	45.9	47.5	47.5	47.5	47.5	47.5	47.5
>0	29.5	47.5	49.2	49.2	49.2	49.2	49.2	49.2
TOTAL	18	29	30	30	30	30	30	30

TOTAL NUMBER OF OBS: 61

PCT FREQ NH <5/8 50.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
5.9	11.8	8.8	1.5	17.6	1.5	13.2	14.7	23.5	60

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	NO PCP	.8	.4	.0	.0	.0	.0	.0	.4	.0	.0	1.7	1.7
	TOT %	1.7	.4	.0	.0	.0	.0	.0	.4	.0	.0	2.5	2.5
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.7	1.7
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.7	1.7
5<10	PCP	6.1	1.1	.0	.0	.8	.0	2.1	3.4	.0	.0	13.4	13.4
	NO PCP	11.8	.8	.0	.0	1.7	4.0	7.8	14.3	.0	.0	40.3	40.3
	TOT %	17.9	1.9	.0	.0	2.5	4.0	9.9	17.6	.0	.0	53.7	53.7
10+	PCP	.6	.0	.0	.0	.0	.8	.8	1.1	.0	.0	3.4	3.4
	NO PCP	1.9	.2	.8	.0	3.4	9.7	13.4	5.9	.0	3.4	38.7	38.7
	TOT %	2.5	.2	.8	.0	3.4	10.5	14.3	6.9	.0	3.4	42.0	42.0
TOT OBS													119
TOT PCT		22.9	2.5	.8	.0	6.7	14.5	24.2	25.0	.0	3.4	100.0	

TABLE 9

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

VSRY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	1.6	.4	.0	.0	.0	.0	.0	.4	.0	.0	2.4	2.4
	TOT %	1.6	.4	.0	.0	.0	.0	.0	.4	.0	.0	2.4	2.4
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	.8
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	TOT %	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.6	1.6
5<10	0-3	.4	.0	.0	.0	.0	.0	.8	1.2	.0	.0	2.4	2.4
	4-10	2.4	.8	.0	.0	.8	.2	2.2	2.4	.0	.0	8.9	8.9
	11-21	7.1	.2	.0	.0	1.6	.8	2.4	8.9	.0	.0	21.1	21.1
	22+	7.3	.8	.0	.0	.0	.0	2.8	4.5	5.7	.0	21.1	21.1
	TOT %	17.3	1.8	.0	.0	2.4	3.9	10.0	18.3	.0	.0	53.7	53.7
10+	0-3	.4	.4	.0	.0	.0	.0	.0	.0	.0	3.3	4.1	4.1
	4-10	1.2	.2	.8	.0	.8	2.8	5.3	3.5	.0	.0	14.6	14.6
	11-21	1.2	.0	.0	.0	1.6	4.9	6.5	2.0	.0	.0	16.3	16.3
	22+	.0	.0	.0	.0	1.6	2.4	2.0	1.2	.0	.0	7.3	7.3
	TOT %	2.8	.6	.8	.0	4.1	10.2	13.8	6.7	.0	3.3	42.3	42.3
TOT OBS													123
TOT PCT		22.6	2.8	.8	.0	7.3	14.0	23.8	25.4	.0	3.3	100.0	

JUNE

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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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	130	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	6.3	.0	6.3	18.8	25.0	6.3	.0	.0	.0	.0	62.5	37.5	16
06009	.0	.0	.0	31.3	6.3	.0	6.3	.0	.0	.0	43.8	56.3	16
12015	.0	.0	5.9	11.8	23.5	5.9	5.9	.0	.0	.0	52.9	47.1	17
18021	.0	.0	8.3	8.3	16.7	.0	.0	.0	.0	.0	33.3	66.7	12
TOT	1	0	3	11	11	2	2	0	0	0	30	31	61
PCT	1.6	.0	4.9	18.0	18.0	3.3	3.3	.0	.0	.0	49.2	50.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	6.7	50.0	43.3	30
06009	.0	2.4	.0	.0	56.1	41.5	41
12015	.0	.0	.0	.0	53.6	46.4	28
18021	.0	5.9	.0	.0	64.7	29.4	34
TOT	0	3	0	2	75	53	133
PCT	.0	2.3	.0	1.5	56.4	39.8	100.0

TABLE 12

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

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	6.3	12.5	31.3	31.3	37.5	16
06009	.0	.0	31.3	12.5	56.3	16
12015	.0	5.9	17.6	35.3	47.1	17
18021	.0	8.3	16.7	16.7	66.7	12
TOT	1	4	15	15	31	61
PCT	1.6	6.6	24.6	24.6	50.8	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
65/69	.0	.0	.0	.0	.9	1.8	2.7	.9	7	6.4
60/64	.0	.0	.0	.0	2.7	4.5	5.5	10.0	25	22.7
55/59	.0	.0	.0	.0	.9	3.6	8.2	14.5	30	27.3
50/54	.0	.0	.0	.0	.9	5.5	15.5	6.4	31	28.2
45/49	.0	.0	.0	.0	.9	2.7	3.6	2.7	11	10.0
40/44	.0	.0	.0	.0	.0	3.6	.9	.9	6	5.5
TOTAL	0	0	0	0	7	24	40	39	110	100.0
PCT	.0	.0	.0	.0	6.4	21.8	36.4	35.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.5	.2	.0	.0	.0	1.1	1.6	.0	.0	.9
7.5	.5	.0	.0	1.8	.9	4.5	6.6	.0	.9
6.8	.0	.0	.0	.9	4.8	7.5	6.4	.0	.9
5.0	1.1	.0	.0	.9	3.9	8.0	9.3	.0	.0
2.0	.0	.0	.0	1.8	2.7	.9	2.5	.0	.0
.9	.9	.0	.0	.9	.9	1.8	.0	.0	.0
24.8	2.7	.0	.0	6.4	14.3	24.3	24.8	.0	2.7

TABLE 15

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

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	71	67	64	56	48	43	43	56.0	174
06009	68	66	62	56	48	42	40	55.6	327
12015	69	68	64	56	49	43	41	56.3	300
18021	68	67	63	56	48	42	39	56.2	305
TOT	71	67	64	56	48	43	39	56.0	1106

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
00003	.0	.0	11.5	15.4	34.6	38.5	85	26		
06009	.0	.0	2.7	24.3	32.4	40.5	87	37		
12015	.0	.0	11.5	15.4	50.0	23.1	83	26		
18021	.0	.0	.0	29.0	32.3	38.7	85	31		
TOT	0	0	7	26	44	43	85	120		

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	41 44	45 48	49 52	53 56	57 60	61 64	65 68	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.0	1.1	1	.0	1.1
5	.0	.0	.0	.0	.0	1.1	1.1	2	.0	2.2
4	.0	.0	.0	.0	4.4	1.1	.0	5	.0	5.5
3	.0	.0	.0	.0	3.3	2.2	1.1	6	.0	6.6
2	.0	.0	.0	.0	3.3	3.3	.0	6	.0	6.6
1	.0	.0	.0	4.4	3.3	4.4	.0	11	.0	12.1
0	.0	.0	4.4	6.6	5.5	1.1	1.1	17	1.1	17.6
-1	.0	.0	4.4	1.1	5.5	.0	1.1	11	1.1	11.0
-2	.0	.0	5.5	.0	.0	.0	.0	5	.0	5.5
-3	.0	1.1	4.4	1.1	2.2	.0	.0	8	.0	8.8
-4	.0	1.1	5.5	1.1	.0	.0	.0	7	.0	7.7
-5	.0	1.1	2.2	.0	.0	.0	.0	3	.0	3.3
-6	.0	.0	1.1	.0	.0	.0	.0	1	.0	1.1
-7/-8	.0	1.1	.0	.0	.0	.0	.0	1	.0	1.1
-9/-10	4.4	1.1	.0	.0	.0	.0	.0	5	.0	5.5
-11/-13	.0	2.2	.0	.0	.0	.0	.0	2	.0	2.2
TOTAL	4	7	25	13	25	12	5	91	2	89
PCT	4.4	7.7	27.5	14.3	27.5	13.2	5.5	100.0	2.2	97.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.0	1.5	.0	.0	.0	8.5	.0	.5	.0	.0	.0	.0	.0	.0	.5
3-4	.0	2.0	5.5	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	.5	.0	.0	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	2.0	.0	.0	2.0	.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	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	.0
13-16	.0	.0	.0	2.0	2.0	.0	4.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.0	8.5	4.0	2.0	.0	23.5	.0	.5	.5	2.0	.0	.0	.0	3.0	.0

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

JUNE

AREA 0020 TRISTAN DA CUNHA GROUP
37.85 10.2M

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	2.0	.0	.0	.0	.0	2.0	.0	3.5	.0	.0	.0	.0	3.5
1-2	.0	2.0	4.0	.0	.0	.0	6.0	.0	2.0	12.0	.0	.0	.0	14.0
3-4	.0	.0	2.0	.0	.0	.0	2.0	.0	2.0	.0	.0	.0	.0	2.0
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	2.0	.0	.0	2.0	.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	.0	4.0	6.0	2.0	.0	.0	12.0	.0	7.5	12.0	.0	.0	.0	19.5

HGT	W						PCT	NW						TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	10.5	2.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	12.5
1-2	.0	2.0	10.0	.0	.0	.0	12.0	.0	.5	2.5	.0	.0	.0	.0	3.0
3-4	.0	.0	4.0	2.0	.0	.0	6.0	.0	.0	.0	.0	.0	.0	.0	6.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	12.5	16.0	2.0	.0	.0	30.5	.0	.5	3.0	.0	.0	.0	3.5	92.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.0	16.0	2.0	.0	.0	.0	26.0	
1-2	.0	14.0	30.0	.0	.0	.0	44.0	
3-4	.0	4.0	12.0	2.0	.0	.0	18.0	
5-6	.0	.0	2.0	.0	.0	.0	2.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	2.0	.0	.0	2.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	2.0	.0	.0	2.0	
13-16	.0	.0	.0	4.0	2.0	.0	6.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.0	34.0	46.0	10.0	2.0	.0	100.0	50

PERIOD: (OVER-ALL) 1951-1975

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	.0	8.1	6.5	4.8	3.2	1.6	.0	1.6	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
6-7	.0	.0	4.8	1.6	3.2	1.6	1.6	6.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
8-9	.0	.0	.0	1.6	3.2	3.2	.0	1.6	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	10
10-11	.0	4.8	.0	.0	1.6	1.6	4.8	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
12-13	.0	.0	.0	.0	.0	.0	.0	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	16
INDEX	4.8	1.6	3.2	.0	.0	.0	1.6	.0	.0	.0	.0	3.2	1.6	.0	.0	.0	.0	.0	.0	.0	10	9
TOTAL	3	9	9	5	7	5	5	7	6	2	1	2	1	0	0	0	0	0	0	0	82	8
PCT	4.8	14.5	14.5	8.1	11.3	8.1	8.1	11.3	9.7	3.2	1.6	3.2	1.6	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	10.5	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	89.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	12.9	.0	.0	.0	9.7	.0	77.4
SW	20.5	.0	25.6	.0	.0	.0	.0	46.2	.0	.0	.0	.0	2.6	.0	51.3
W	.0	.0	10.5	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	89.5
NW	11.6	5.8	17.4	.0	.0	.0	.0	34.8	5.8	.0	5.8	.0	.0	.0	53.6
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	.0	.0	100.0
TOT PCT	6.3	1.6	12.7	.0	.0	.0	.0	20.6	3.2	.0	1.6	.0	1.6	.0	73.0
TOT OBS:	63														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	7.1	.0	28.6	.0	.0	.0	.0	35.7	7.1	.0	.0	.0	.0	.0	57.1
0600Z	12.5	6.3	.0	.0	.0	.0	.0	18.8	6.3	.0	.0	.0	.0	.0	75.0
1200Z	5.9	.0	17.6	.0	.0	.0	.0	23.5	.0	.0	.0	.0	.0	.0	76.5
1800Z	.0	.0	6.3	.0	.0	.0	.0	6.3	.0	.0	6.3	.0	6.3	.0	81.3
TOT PCT	6.3	1.6	12.7	.0	.0	.0	.0	20.6	3.2	.0	1.6	.0	1.6	.0	73.0
TOT OBS:	63														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.5	1.6	7.2	8.7	1.3	.3	19.6	21.8	22.8	18.4	21.9	20.6	18.2	19.4	18.0	16.9	
NE	.2	.5	3.3	3.8	.5	.2	8.5	22.4	7.3	13.2	9.3	8.1	8.6	8.3	7.6	8.9	
E	.1	.5	.8	.4	.2	.0	2.0	17.4	.9	.0	2.0	2.0	2.9	.0	1.7	2.1	
SE	.1	1.1	1.1	.6	.2	.1	3.4	17.4	2.2	2.6	2.6	3.6	4.0	5.6	3.8	3.8	
S	.3	2.0	2.3	1.5	1.0	.4	7.5	20.7	7.3	5.3	9.9	6.0	7.8	.0	8.3	6.1	
SW	.2	2.2	3.8	3.3	1.4	.3	11.3	21.7	10.5	13.2	8.0	9.7	11.9	11.1	13.6	14.1	
W	.2	2.4	9.1	3.8	2.1	.2	17.9	20.1	17.5	26.3	19.5	16.9	18.0	20.8	15.5	17.8	
NW	.1	4.1	13.4	8.6	2.9	.3	29.3	20.4	30.8	21.1	26.2	33.1	27.6	34.7	30.7	30.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5						.5	.0	.6	.0	.6	.0	.8	.0	.8	.0	
TOT OBS	23	148	424	321	99	20	1035	20.7	160	19	172	124	255	18	118	169	
TOT PCT	2.2	14.3	41.0	31.0	9.6	1.9			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.1	3.5	10.1	3.9	1.0	19.6	21.8	22.8	21.4	18.3	17.3
NE	.4	1.1	4.6	2.1	.3	8.5	22.4	8.0	8.8	8.6	8.4
E	.5	.5	.5	.3	.1	2.0	17.4	.8	2.0	2.7	1.9
SE	.7	1.1	1.0	.4	.1	3.4	17.4	2.2	3.0	4.1	3.8
S	1.3	1.8	1.9	1.8	.6	7.5	20.7	7.1	8.3	7.5	7.0
SW	.9	2.7	3.8	3.2	.7	11.3	21.7	10.8	8.7	11.8	13.9
W	1.2	5.4	7.2	2.8	1.4	17.9	20.1	18.4	18.4	18.2	16.8
NW	1.4	8.5	12.8	5.5	1.2	29.3	20.4	29.7	29.1	28.1	30.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5					.5	.0	.6	.3	.7	.3
TOT OBS	83	255	434	207	96	1035	20.7	179	296	273	287
TOT PCT	8.0	24.6	41.9	20.0	5.4			100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00603	.6	1.7	12.8	41.9	31.3	10.1	1.7	20.6	100.0	179
06609	.3	1.0	14.9	38.5	33.8	9.1	2.4	21.2	100.0	296
12615	.7	2.2	14.7	45.4	23.8	11.7	1.3	20.3	100.0	273
18621	.3	2.1	14.3	38.7	34.8	7.7	2.1	20.7	100.0	287
TOT	.5	1.8	14.8	42.4	32.1	9.9	2.0	20.7		1035
PCT	.5	1.7	14.3	41.0	31.0	9.6	1.9	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8 OBSD	TOTAL CLOUD OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION													
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS		
N	9.2	4.4	.0	3.1		2.8	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	13.6	
NE	.0	.0	1.8	.4		5.6	.0	.0	.0	1.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	1.8	.0		3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8
SE	.0	.0	.4	.0		6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
S	.0	.0	4.8	5.7		7.0	.0	.0	.0	3.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	4.4
SW	5.3	2.2	5.3	4.4		4.8	.4	.0	.0	4.4	2.6	.0	.0	.0	.0	.0	.0	.0	.0	9.6
W	6.6	3.1	6.6	5.7		4.6	1.3	.0	.0	3.1	4.4	1.8	.0	.0	.0	.0	.0	.0	.0	11.4
NW	3.3	.9	2.2	19.3		6.7	.0	.0	.0	3.5	12.7	.0	.0	.0	.0	.0	.0	.0	.0	9.6
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	1.8	.0	1.8		5.5	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8
TOT OBS	14	7	13	23	97	5.2	1	0	0	9	16	1	0	0	0	0	0	0	0	30
TOT PCT	24.6	12.3	22.8	40.4	100.0		1.8	.0	.0	15.8	28.1	1.8	.0	.0	.0	.0	.0	.0	.0	52.6

TABLE A

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

WIND DIR	0-2	3-4	5-7	8 & 8 OBSD	TOTAL CLOUD OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION													
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS		
N	9.2	4.4	.0	3.1		2.8	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	13.6
NE	.0	.0	1.8	.4		5.6	.0	.0	.0	1.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	1.8	.0		3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8
SE	.0	.0	.4	.0		6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
S	.0	.0	4.8	5.7		7.0	.0	.0	.0	3.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	4.4
SW	5.3	2.2	5.3	4.4		4.8	.4	.0	.0	4.4	2.6	.0	.0	.0	.0	.0	.0	.0	.0	9.6
W	6.6	3.1	6.6	5.7		4.6	1.3	.0	.0	3.1	4.4	1.8	.0	.0	.0	.0	.0	.0	.0	11.4
NW	3.3	.9	2.2	19.3		6.7	.0	.0	.0	3.5	12.7	.0	.0	.0	.0	.0	.0	.0	.0	9.6
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	1.8	.0	1.8		5.5	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8
TOT OBS	14	7	13	23	97	5.2	1	0	0	9	16	1	0	0	0	0	0	0	0	30
TOT PCT	24.6	12.3	22.8	40.4	100.0		1.8	.0	.0	15.8	28.1	1.8	.0	.0	.0	.0	.0	.0	.0	52.6

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>1000	22.8	28.1	29.8	29.8	29.8	29.8	29.8	29.8
>600	31.6	42.1	43.9	43.9	43.9	45.6	45.6	45.6
>300	31.6	42.1	43.9	43.9	43.9	45.6	45.6	45.6
>150	31.6	42.1	43.9	43.9	43.9	45.6	45.6	45.6
>0	31.6	42.1	45.6	45.6	45.6	47.4	47.4	47.4
TOTAL	18	24	26	26	26	27	27	27

TOTAL NUMBER OF OBS: 57 PCT FREQ NH <5/8: 52.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSD	TOTAL OBS
8.6	12.1	12.1	10.3	8.6	1.7	20.7	1.7	22.4	1.7	58

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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	1.6	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	
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	1.6	.0	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	3.2	1.6	.0	.0	4.8	
	TOT %	.0	.0	.0	.0	.0	.0	3.2	3.2	.0	.0	6.3	
5<10	PCP	.0	.0	.0	.0	.0	.8	2.4	3.2	.0	.0	6.3	
	NO PCP	.0	.0	.0	.0	2.8	2.0	3.2	3.2	.0	.0	11.1	
	TOT %	.0	.0	.0	.0	2.8	2.8	5.6	6.3	.0	.0	17.5	
10+	PCP	1.6	.0	.0	.0	.0	6.3	.0	3.2	.0	.0	11.1	
	NO PCP	13.5	2.0	1.6	.4	9.5	6.3	13.9	13.1	.0	3.2	63.5	
	TOT %	15.1	2.0	1.6	.4	9.5	12.7	13.9	16.3	.0	3.2	74.6	
TOT OBS													63
TOT PCT													15.1 2.0 1.6 .4 12.3 15.5 22.6 27.4 .0 3.2 100.0

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	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	1.5	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	1.5	
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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.4	4.1	.0	.0	.0	4.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	1.5	
	22+	.0	.0	.0	.0	.7	2.2	.0	1.5	.0	.0	4.3	
	TOT %	.0	.0	.0	.0	.7	2.6	4.1	3.0	.0	.0	10.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	2.6	.4	3.0	.0	.0	.0	6.0	
	11-21	.0	.0	.0	.0	.0	.4	1.1	4.5	.0	.0	6.0	
	22+	.0	.0	.0	.0	.0	3.4	1.1	1.5	.0	.0	6.0	
	TOT %	.0	.0	.0	.0	2.6	4.1	5.2	6.0	.0	.0	17.9	
10+	0-3	.0	.0	1.5	.0	.0	1.5	.0	.0	.0	3.0	6.0	
	4-10	4.1	1.5	.0	.4	3.7	3.4	4.5	3.4	.0	.0	20.9	
	11-21	9.0	.4	.0	.0	3.7	3.7	3.7	6.3	.0	.0	26.9	
	22+	1.1	.0	.0	.0	1.5	3.4	4.9	5.6	.0	.0	16.4	
	TOT %	14.2	1.9	1.5	.4	9.0	11.9	13.1	15.3	.0	3.0	70.1	
TOT OBS													67
TOT PCT													14.2 1.9 1.5 .4 12.3 18.7 22.4 25.7 .0 3.0 100.0

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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	15.4	38.5	.0	.0	.0	.0	.0	53.8	46.2	13
06009	6.7	.0	.0	26.7	26.7	.0	.0	.0	.0	.0	60.0	40.0	15
12015	.0	.0	.0	20.0	20.0	6.7	.0	.0	.0	.0	46.7	53.3	15
18021	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	28.6	71.4	14
TOT	1	0	0	9	16	1	0	0	0	0	27	30	57
PCT	1.8	.0	.0	15.8	28.1	1.8	.0	.0	.0	.0	47.4	52.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	35.7	64.3	14
06009	.0	.0	.0	22.2	11.1	66.7	18
12015	5.6	.0	.0	16.7	11.1	66.7	18
18021	.0	.0	.0	.0	17.6	82.4	17
TOT	1	0	0	7	12	47	67
PCT	1.5	.0	.0	10.4	17.9	70.1	100.0

TABLE 12

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

HR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	15.4	38.5	46.2	13
06009	6.7	6.7	46.7	20.0	52.3	15
12015	.0	6.7	33.3	26.7	40.0	15
18021	.0	.0	.0	28.6	71.4	14
TOT	1	2	14	16	27	57
PCT	1.8	3.5	24.6	28.1	47.4	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
70/74	.0	.0	.0	.0	.0	.0	.0	3.6	2	3.6
65/69	.0	.0	.0	.0	.0	3.6	3.6	.0	4	7.1
60/64	.0	.0	.0	.0	.0	3.6	3.6	.0	4	7.1
55/59	.0	.0	.0	.0	3.6	5.4	16.1	12.5	21	37.5
50/54	.0	.0	.0	1.8	5.4	8.9	7.1	5.4	18	28.6
45/49	.0	.0	.0	1.8	8.9	3.6	.0	.0	8	14.3
40/44	.0	.0	.0	.0	1.8	.0	.0	.0	1	1.8
TOTAL	0	0	0	1	8	19	14	14	56	100.0
PCT	.0	.0	.0	1.8	10.7	28.6	33.9	25.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	.0	.0	.0	.0	.0	1.3	.9	.0	.0
1.3	.0	.0	.0	.0	.0	5.4	.4	.0	.0
5.4	.0	.0	.0	.0	.4	1.3	.0	.0	.0
4.5	.0	.0	.4	4.9	2.7	5.8	19.2	.0	.0
2.7	2.2	1.8	.0	4.5	6.7	3.1	7.6	.0	.0
.0	.0	.0	.0	4.5	6.3	.0	.0	.0	3.6
.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0
15.2	2.2	1.8	.4	13.8	17.9	17.0	28.1	.0	3.6

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	66	65	60	54	47	45	45	53.9	157
06009	73	64	61	54	47	44	41	54.4	274
12015	71	64	62	55	48	45	43	55.3	269
18021	69	63	61	55	48	46	41	54.7	266
TOT	73	64	61	55	48	45	41	54.7	966

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	7.7	7.7	15.4	46.2	23.1	81	13
06009	.0	.0	6.7	33.3	20.0	40.0	85	15
12015	.0	.0	23.1	23.1	30.8	23.1	81	15
18021	.0	.0	6.7	40.0	40.0	13.3	80	15
TOT	0	1	6	16	19	14	82	56

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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	41 44	45 48	49 52	53 56	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WD FOG
7/8	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1	.0	1.7
6	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1	.0	1.7
5	.0	.0	.0	1.7	1.7	.0	.0	1.7	1.7	4	.0	6.9
4	.0	.0	.0	1.7	6.9	.0	.0	.0	.0	5	.0	8.6
3	.0	.0	.0	.0	1.7	.0	.0	1.7	.0	2	.0	3.4
2	.0	.0	.0	10.3	3.4	1.7	.0	1.7	.0	10	1.7	15.5
1	.0	.0	.0	6.9	5.2	.0	.0	.0	.0	7	.0	12.1
0	.0	.0	1.7	3.4	3.4	.0	3.4	.0	.0	7	.0	12.1
-1	.0	.0	5.2	3.4	.0	.0	.0	.0	.0	5	.0	8.6
-2	.0	.0	1.7	3.4	.0	.0	.0	.0	.0	3	.0	5.2
-3	.0	.0	3.4	.0	.0	.0	.0	.0	.0	2	.0	3.4
-4	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	2	.0	3.4
-5	.0	1.7	3.4	.0	.0	.0	.0	.0	.0	3	.0	5.2
-6	1.7	.0	.0	.0	1.7	.0	.0	.0	.0	2	.0	3.4
-7/-8	.0	6.9	.0	.0	.0	.0	.0	.0	.0	4	.0	6.9
TOTAL	1	6	10	18	16	1	2	3	1	58	1	57
PCT	1.7	10.3	17.2	31.0	27.6	1.7	3.4	5.2	1.7	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.9	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	2.5	.0	.0	.0	5.0	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	2.5	10.6	.0	.0	.0	13.1	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	1.9	.0	.0	.0	1.9	.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	.0	6.9	15.0	.0	.0	.0	21.9	.0	2.5	.6	.0	.0	.0	3.1

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

PERIOD: (OVER-ALL) 1963-1975

JULY

AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.3M

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	2.5	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	2.5
1-2	.0	6.3	.0	.0	.0	.0	.0	6.3	.0	5.6	.0	.0	.0	.0	.0	5.6
3-4	.0	.0	1.9	.0	.0	.0	.0	1.9	.0	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6
7	.0	.0	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.8	1.9	.0	.0	.0	.0	10.6	2.5	5.6	1.3	.0	.0	.0	.0	9.4

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	
1-2	.0	11.9	2.5	.0	.0	.0	.0	14.4	.0	.6	.0	.0	.0	.0	.6		
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.3	.0	.0	.0	8.8		
5-6	.0	.0	4.4	.0	.0	.0	.0	4.4	.0	.0	10.6	.0	.0	.0	10.6		
7	.0	.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	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.5	.0	.0	5.0		
12	.0	.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	5.0	.0	.0	5.0		
17-19	.0	.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	.0		
23-25	.0	.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	.0		
33-40	.0	.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	.0		
49-60	.0	.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	.0		
71-86	.0	.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	.0		
TOT PCT	.0	11.9	6.9	.0	.0	.0	.0	18.8	.0	3.8	19.4	7.5	.0	.0	30.6	95.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	7.5	5.0	.0	.0	.0	.0	12.5	
1-2	.0	30.0	5.0	.0	.0	.0	35.0	
3-4	.0	5.0	20.0	.0	.0	.0	25.0	
5-6	.0	.0	17.5	.0	.0	.0	17.5	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	2.5	2.5	.0	.0	5.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	5.0	.0	.0	5.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	40.0	45.0	7.5	.0	.0	100.0	40

PERIOD: (OVER-ALL) 1952-1975

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	4.1	12.2	2.0	6.1	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
6-7	.0	.0	4.1	4.1	2.0	.0	6.1	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
8-9	.0	.0	2.0	6.1	6.1	2.0	.0	2.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	9
10-11	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	14
12-13	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	.0	.0	.0	4.1	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	.0	.0	.0	.0	.0	6.1	.0	4.1	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	10
TOTAL	2	6	4	10	6	5	4	4	2	5	1	0	0	0	0	0	0	0	0	0	49	7
PCT	4.1	12.2	8.2	20.4	12.2	10.2	8.2	8.2	4.1	10.2	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1854-1975

APEA 0020 TRISTAN DA CUNHA GROUP
37.75 10.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	8.8	.0	11.8	.0	.0	.0	.0	20.6	.0	.0	.0	.0	.0	.0	79.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	33.3	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
S	17.4	.0	.0	.0	.0	.0	.0	17.4	.0	.0	.0	.0	.0	.0	82.6
SW	.0	6.3	6.3	.0	.0	.0	.0	12.7	.0	.0	.0	.0	.0	.0	87.3
W	9.7	3.5	14.2	.0	.0	.0	.0	27.4	.0	.0	.0	.0	.0	.0	72.6
NW	14.9	.0	13.2	.0	.0	.0	.0	28.1	.0	.0	3.3	.0	.0	.0	68.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	100.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	9.4	2.1	13.5	.0	.0	.0	.0	25.0	.0	.0	1.0	.0	.0	.0	74.0
TOT OBS:	96														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	11.8	5.9	11.8	.0	.0	.0	.0	29.4	.0	.0	.0	.0	.0	.0	70.6
0600	8.6	2.9	17.1	.0	.0	.0	.0	28.6	.0	.0	2.9	.0	.0	.0	68.6
1200	6.3	.0	6.3	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	87.5
1800	9.7	.0	16.1	.0	.0	.0	.0	25.8	.0	.0	.0	.0	.0	.0	74.2
TOT PCT	9.1	2.0	14.1	.0	.0	.0	.0	25.3	.0	.0	1.0	.0	.0	.0	73.7
TOT OBS:	99														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18
N	.3	1.9	6.1	6.9	2.6	.5	18.4	23.1	17.3	19.0	15.0	19.7	17.5	50.0	17.5	22.4
NE	.1	2.0	4.5	4.0	1.3	.2	12.2	21.3	10.3	11.9	13.6	10.6	10.9	.0	12.0	16.3
E	.2	.5	2.1	1.3	.1	.0	4.3	17.9	4.1	16.7	4.4	3.5	3.9	.0	2.7	5.5
SE	.5	.8	1.4	.5	.1	.2	3.2	17.4	4.4	2.4	3.1	2.8	3.9	.0	3.0	2.0
S	.9	1.2	2.8	2.7	1.2	.2	8.4	21.6	4.4	7.1	7.1	10.2	11.8	.0	8.7	6.7
SW	.1	1.7	4.6	3.5	1.7	.2	11.2	21.1	13.9	11.9	11.4	11.4	11.6	.0	10.0	9.3
W	.3	2.5	6.0	4.7	2.3	.7	16.5	22.4	19.8	19.0	17.5	15.4	16.9	6.3	17.2	12.2
NW	.3	4.0	7.2	8.4	4.2	1.3	25.3	23.8	24.5	11.9	27.4	26.4	22.8	43.8	29.0	25.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5						.5	.0	1.3	.0	.6	.0	.7	.0	.0	.6
TOT OBS	27	159	381	351	143	37	1098		180	21	180	127	280	8	150	172
TOT PCT	2.5	14.5	34.7	32.0	13.0	3.4	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	1.3	3.2	8.5	3.7	1.7	18.4	23.1	17.5	16.9	18.4	20.1	
NE	.9	2.8	4.8	2.9	.8	12.2	21.3	10.5	12.4	10.6	14.3	
E	.3	1.5	1.8	.7	.0	4.3	17.9	5.5	4.1	3.8	4.2	
SE	.5	1.6	.5	.3	.3	3.2	17.4	4.1	2.9	3.8	2.5	
S	.5	2.4	3.1	1.8	.6	8.4	21.6	4.7	8.4	11.5	7.6	
SW	.7	2.9	4.6	2.6	.5	11.2	21.1	13.7	11.4	11.3	9.6	
W	1.0	4.4	6.6	2.6	2.0	16.5	22.4	19.8	16.6	16.6	14.5	
NW	1.8	5.6	9.3	5.3	3.3	25.3	23.8	23.1	27.0	23.4	26.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5					.5	.0	1.1	.3	.7	.3	
TOT OBS	83	268	429	217	101	1098		181	307	288	322	
TOT PCT	7.6	24.4	39.1	19.8	9.2	100.0		100.0	100.0	100.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1A62-1975
(OVER-ALL) 1854-1975

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	1.1	1.1	13.8	34.3	32.0	13.8	3.9	22.4	100.0	181
0600	.3	1.6	16.9	33.9	30.6	12.7	3.9	22.1	100.0	307
1200	.7	4.2	12.5	33.0	32.6	14.6	2.4	22.0	100.0	288
1800	.3	.6	14.3	37.3	32.6	11.5	3.4	21.9	100.0	322
TOT	.6	21	159	381	351	143	37	22.1		1098
PCT	.5	1.9	14.5	34.7	32.0	13.0	3.4	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	2.1	.0	.4	.0		1.3
E	1.7	.0	.0	.0		1.0
SE	1.7	.0	.0	3.4		5.3
S	.0	.0	5.1	1.7		7.0
SW	1.7	5.9	8.1	.0		4.4
W	1.7	5.9	15.3	5.1		5.7
NW	5.9	3.4	2.5	12.3		5.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	3.4	59	8.0
TOT OBS	11	9	22	17		5.3
TOT PCT	18.6	15.3	37.3	28.8	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
NE	.0	.0	1.3	3.0	1.7	1.7	.0	.0	.0	.0	.0	2.1
E	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.7
SE	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	1.7
S	.0	.0	1.7	.0	3.4	1.7	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	1.7	3.4	.0	.0	.0	.0	.0	.0	10.6
W	.0	.0	.0	6.4	3.4	3.4	.0	.0	.0	.0	.0	14.8
NW	.0	.0	3.8	5.5	5.1	.0	.0	.0	.0	.0	.0	9.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	5	12	11	4	0	0	0	0	0	59
TOT PCT	.0	.0	8.5	20.3	18.6	6.8	.0	.0	.0	.0	.0	45.8

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
>1000	21.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>600	26.7	38.3	41.7	43.3	45.0	45.0	45.0	45.0
>300	28.3	40.0	45.0	46.7	51.7	53.3	53.3	53.3
>150	28.3	40.0	45.0	46.7	51.7	53.3	53.3	53.3
>0	28.3	40.0	45.0	46.7	51.7	53.3	53.3	53.3
TOTAL	17	24	27	28	31	32	32	32

TOTAL NUMBER OF OBS: 60 PCT FREQ NH <5/8: 46.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
8.8	2.9	16.2	14.7	8.8	5.9	27.9	8.8	5.9	.0	68

AUGUST

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1854-1975

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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	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
1/2<1	PCP	.0	.0	.0	.0	1.0	.0	.8	3.4	.0	.0	5.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	1.0	.0	.8	3.4	.0	.0	5.2	
1<2	PCP	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	2.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	2.1	
2<5	PCP	.0	.0	.0	.0	.0	.0	3.1	1.0	.0	1.0	5.2	
	NO PCP	.0	.0	.0	.0	.0	1.3	1.8	2.1	.0	.0	5.2	
	TOT %	.0	.0	.0	.0	.0	1.3	4.9	3.1	.0	1.0	10.4	
5<10	PCP	1.0	.0	.0	1.0	.0	1.0	3.1	1.0	.0	1.0	8.3	
	NO PCP	1.0	.0	.0	.0	.8	4.4	5.2	13.5	.0	.0	25.0	
	TOT %	2.1	.0	.0	1.0	.8	5.5	8.3	14.6	.0	1.0	33.3	
10+	PCP	.0	.0	.0	.0	.0	.0	1.0	2.1	.0	.0	3.1	
	NO PCP	6.0	1.6	1.0	2.1	4.2	8.6	14.3	7.0	.0	.0	44.8	
	TOT %	6.0	1.6	1.0	2.1	4.2	8.6	15.4	9.1	.0	.0	47.9	
TOT OBS													96
TOT PCT													8.9 1.6 1.0 3.1 6.0 16.4 29.4 31.5 .0 2.1 100.0

TABLE 9

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

VSRY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	1.0	.0	.8	2.3	.0	.0	4.2	
	22+	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
	TOT %	.0	.0	.0	.0	1.0	.0	.8	3.4	.0	.0	5.2	
1<2	0-3	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
	TOT %	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	2.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	
	4-10	.0	.0	.0	.0	.0	.0	2.1	2.1	.0	.0	4.2	
	11-21	.0	.0	.0	.0	.0	1.3	.8	1.0	.0	.0	3.1	
	22+	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	2.1	
	TOT %	.0	.0	.0	.0	.0	1.3	4.9	3.1	.0	1.0	10.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	
	4-10	1.0	.0	.0	1.0	.0	2.1	5.7	4.7	.0	.0	14.6	
	11-21	1.0	.0	.0	.0	.8	2.3	.0	4.2	.0	.0	8.3	
	22+	.0	.0	.0	.0	.0	1.0	2.6	3.7	.0	.0	7.4	
	TOT %	2.1	.0	.0	1.0	.8	5.5	8.3	14.6	.0	1.0	33.3	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	3.6	1.6	1.0	.0	.0	1.3	3.9	2.1	.0	.0	13.5	
	11-21	1.6	.0	.0	2.1	2.1	1.8	8.6	2.6	.0	.0	18.8	
	22+	.8	.0	.0	.0	2.1	5.5	2.9	4.4	.0	.0	15.6	
	TOT %	6.0	1.6	1.0	2.1	4.2	8.6	15.4	9.1	.0	.0	47.9	
TOT OBS													96
TOT PCT													8.9 1.6 1.0 3.1 6.0 16.4 29.4 31.5 .0 2.1 100.0

AUGUST

PERIOD: (PRIMARY) 1962-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	5.9	23.5	.0	5.9	.0	.0	.0	.0	35.3	64.7	17
06009	.0	.0	11.1	5.6	22.2	5.6	.0	.0	.0	.0	44.4	55.6	18
12015	.0	.0	7.1	14.3	21.4	7.1	.0	.0	.0	.0	50.0	50.0	14
18021	.0	.0	5.6	27.8	22.2	5.6	.0	.0	.0	.0	61.1	38.9	18
TOT	0	0	5	12	11	4	0	0	0	0	32	35	67
PCT	.0	.0	7.5	17.9	16.4	6.0	.0	.0	.0	.0	47.8	52.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	5.9	.0	5.9	17.6	11.8	58.8	17
06009	.0	2.9	2.9	14.3	48.6	31.4	35
12015	.0	6.3	.0	.0	12.5	81.3	16
18021	.0	9.7	3.2	6.5	38.7	41.9	31
TOT	1	5	3	10	33	47	99
PCT	1.0	5.1	3.0	10.1	33.3	47.5	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	5.9	35.3	5.9	58.8	17
06009	.0	14.3	21.4	35.7	42.9	14
12015	.0	7.1	21.4	28.6	50.0	14
18021	.0	13.3	40.0	33.3	26.7	15
TOT	0	6	18	15	27	60
PCT	.0	10.0	30.0	25.0	45.0	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
60/64	.0	.0	.0	3.8	.0	.0	1.9	.0	3	5.7
55/59	.0	.0	.0	3.8	.0	3.8	5.7	11.3	13	24.5
50/54	.0	.0	.0	1.9	5.7	20.8	5.7	18	34.0	34.0
45/49	.0	.0	.0	3.8	15.1	7.5	5.7	17	32.1	32.1
40/44	.0	.0	.0	3.8	.0	.0	.0	2	3.8	3.8
TOTAL	0	0	0	6	3	13	19	12	53	100.0
PCT	.0	.0	.0	11.3	5.7	24.5	35.8	22.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.8	.5	.0	.0	.0	1.9	.0	.5	.0	.0
3.3	.0	.0	3.8	.0	.0	1.9	13.7	.0	1.9
6.6	.0	.0	.0	.0	2.4	16.0	9.0	.0	.0
.0	1.9	.0	1.9	7.5	6.6	10.4	1.9	.0	1.9
.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0
12.7	2.4	.0	5.7	7.5	14.6	28.3	25.0	.0	3.8

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	62	59	54	46	43	43	53.7	170
06009	68	64	61	55	48	45	44	54.6	295
12015	64	62	60	55	48	43	37	54.9	282
18021	65	63	60	55	48	45	44	55.0	302
TOT	68	63	60	55	48	44	37	54.6	1049

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	11.8	.0	11.8	52.9	23.5	83	17
06009	.0	13.3	6.7	26.7	26.7	26.7	81	15
12015	.0	20.0	20.0	30.0	20.0	10.0	73	10
18021	.0	.0	8.3	33.3	33.3	25.0	82	12
TOT	0	6	4	13	19	12	80	54

AUGUST

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1854-1975

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TABLE 17

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

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	TOT	W FOG	WD FOG
9/10	.0	.0	.0	.0	.0	1.7	1	.0	1.7
7/8	.0	.0	.0	.0	5.0	.0	3	.0	5.0
6	.0	.0	.0	.0	1.7	.0	1	.0	1.7
5	.0	.0	.0	.0	5.0	.0	3	.0	5.0
4	.0	.0	.0	1.7	3.3	.0	3	.0	5.0
3	.0	.0	.0	10.0	.0	.0	6	.0	10.0
2	.0	.0	.0	5.0	.0	1.7	4	.0	6.7
1	.0	.0	5.0	10.0	.0	.0	9	.0	15.0
0	.0	.0	1.7	.0	1.7	.0	2	.0	3.3
-1	.0	.0	5.0	.0	.0	1.7	4	.0	6.7
-2	.0	.0	5.0	.0	1.7	1.7	5	.0	8.3
-3	.0	.0	3.3	.0	.0	.0	2	.0	3.3
-4	.0	3.3	1.7	.0	1.7	.0	4	.0	6.7
-5	.0	6.7	.0	.0	1.7	.0	5	.0	8.3
-6	.0	1.7	.0	.0	.0	.0	1	.0	1.7
-7/-8	3.3	3.3	.0	.0	.0	.0	4	.0	6.7
-9/-10	1.7	1.7	.0	.0	.0	.0	2	.0	3.3
-14/-16	.0	.0	.0	1.7	.0	.0	1	.0	1.7
TOTAL	3	10	13	17	13	4	60	0	60
PCT	5.0	16.7	21.7	28.3	21.7	6.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N							NE						
	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	11.5	.0	.0	.0	.0	11.5	.0	3.8	.0	.0	.0	.0	3.8
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	11.5	5.8	.0	.0	17.3	.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	.0	11.5	11.5	5.8	.0	.0	28.8	.0	3.8	.0	.0	.0	.0	3.8

HGT	E							SE						
	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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

AUGUST

AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.3W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	7.7	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	7.7	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	7.7	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	3.8	15.4	.0	.0	26.9

HGT	W						PCT	NW						PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	7.7	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	7.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	1.9	.0	.0	5.8	.0
7	.0	.0	5.8	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	5.8	.0	.0	.0	5.8	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	7.7	11.5	.0	.0	.0	19.2	.0	7.7	11.5	1.9	.0	.0	.0	21.2	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	.0	7.7	.0	.0	.0	.0	7.7	
1-2	.0	15.4	7.7	.0	.0	.0	23.1	
3-4	.0	7.7	.0	.0	.0	.0	7.7	
5-6	.0	.0	15.4	7.7	.0	.0	23.1	
7	.0	.0	7.7	.0	.0	.0	7.7	
8-9	.0	.0	7.7	.0	.0	.0	7.7	
10-11	.0	.0	.0	7.7	.0	.0	7.7	
12	.0	.0	.0	7.7	.0	.0	7.7	
13-16	.0	7.7	.0	.0	.0	.0	7.7	
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	38.5	38.5	23.1	.0	.0	100.0	13

PERIOD: (OVER-ALL) 1950-1975

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	
<1	.0	.0	19.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
1-2	.0	9.5	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
3-4	.0	.0	.0	.0	4.8	4.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
5-6	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	18
7	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	9.5	.0	.0	.0	.0	.0	.0	.0	.0	3	23
10-11	.0	.0	.0	.0	4.8	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	9
>13	4.8	.0	.0	9.5	4.8	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	9
INDEX	1	2	4	3	3	2	1	0	2	1	2	0	0	0	0	0	0	0	0	0	21	9
TOTAL	4.8	9.5	19.0	14.3	14.3	9.5	4.8	.0	.0	9.5	4.8	9.5	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
PCT																						

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.35 10.4N

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	25.7	.0	5.5	.0	.0	.0	.0	31.2	.0	.0	3.7	.0	.0	.0	65.1
NE	17.4	17.4	4.3	.0	.0	.0	.0	39.1	.0	.0	.0	.0	.0	.0	60.9
E	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
SE	.0	.0	27.8	.0	.0	.0	.0	27.8	.0	.0	.0	.0	.0	.0	72.2
S	13.9	.0	6.5	.0	.0	.0	.0	20.4	.0	.0	.0	.0	3.7	.0	75.9
SW	1.0	.0	16.7	.0	.0	.0	.0	17.7	5.2	.0	.0	.0	.0	.0	77.1
W	7.0	.0	3.5	.0	.0	.0	.0	10.4	9.6	.0	.0	.0	.0	.0	80.0
NW	9.4	2.3	12.3	.0	.0	.0	.0	24.0	2.3	.0	.0	.0	.0	.0	73.7
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	.0	.0	.0	.0	.0	100.0
TOT PCT	11.4	1.2	9.0	.0	.0	.0	.0	21.7	3.0	.0	.6	.0	.6	.0	74.1
TOT OBS:	166														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	5.9	5.9	11.8	.0	.0	.0	.0	23.5	.0	.0	5.9	.0	.0	.0	70.6
06009	11.9	.0	8.5	.0	.0	.0	.0	20.3	1.7	.0	.0	.0	1.7	.0	76.3
12015	12.1	3.0	15.2	.0	.0	.0	.0	30.3	3.0	.0	.0	.0	.0	.0	66.7
18021	11.5	.0	4.9	.0	.0	.0	.0	16.4	4.9	.0	.0	.0	.0	.0	78.7
TOT PCT	11.2	1.2	8.6	.0	.0	.0	.0	21.2	2.9	.0	.6	.0	.6	.0	74.7
TOT OBS:	170														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	.2	2.5	7.5	7.9	1.8	.2		20.1	21.3	26.0	33.3	19.0	17.9	17.5	16.7	18.6	24.1
NE	.2	2.1	3.3	3.3	.9	.2		10.1	19.8	10.7	16.7	7.2	14.4	10.4	8.3	9.1	9.0
E	.2	1.2	1.1	.3	.1	.0		2.9	14.5	1.7	11.1	2.0	3.5	3.5	4.2	2.7	2.6
SE	*	1.2	.6	.3	.2	.0		2.4	15.0	3.1	.0	2.4	.9	2.7	4.2	2.2	3.0
S	.4	2.9	2.9	2.2	.9	.3		9.6	18.5	10.1	.0	11.6	6.2	8.9	4.2	11.7	9.8
SW	.3	2.7	4.6	4.5	.9	*		13.0	18.8	11.4	5.6	11.9	17.7	11.5	8.3	16.6	12.8
W	.3	2.9	8.5	4.3	1.1	.2		17.4	19.1	14.0	11.1	16.5	14.6	20.4	37.5	17.8	16.2
NW	.7	4.2	9.4	7.0	1.7	.3		23.3	19.5	20.5	22.2	27.6	23.9	24.0	16.7	20.6	21.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	2.5	.0	1.7	.9	1.1	.0	.7	.8
TOT OBS	36	197	381	300	79	14	1007		19.1	121	18	176	113	285	12	149	133
TOT PCT	3.6	19.6	37.8	29.8	7.8	1.4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	06	12	18	21
N	1.1	5.0	9.0	4.4	.6		20.1	21.3	27.0	18.6	17.4	21.2	
NE	.9	3.3	3.5	2.1	.3		10.1	19.8	11.5	10.0	10.4	9.0	
E	.5	1.2	.9	.2	.1		2.9	14.5	2.9	2.6	3.5	2.7	
SE	.3	1.4	.3	.3	.1		2.4	15.0	2.7	1.8	2.8	2.6	
S	1.6	3.2	2.9	1.4	.5		9.6	18.5	8.8	9.5	8.8	10.8	
SW	1.5	3.6	5.4	2.5	*		13.0	18.8	10.6	14.2	11.4	14.8	
W	1.1	5.9	7.1	2.4	.9		17.4	19.1	13.7	15.7	21.0	17.0	
NW	1.8	6.9	9.9	4.1	.6		23.3	19.5	20.7	26.1	23.7	21.2	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.2						1.2	.0	2.2	1.4	1.0	.7	
TOT OBS	101	305	393	175	33	1007		19.1	139	289	297	282	
TOT PCT	10.0	30.3	39.0	17.4	3.3		100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.55 10.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	2.2	1.4	15.1	46.0	25.9	8.6	.7	19.2	100.0	139
06009	1.4	2.4	21.8	37.0	26.6	9.7	1.0	18.7	100.0	289
12015	1.0	2.0	16.2	36.0	35.4	7.4	2.0	20.5	100.0	297
18021	.7	3.2	23.0	36.5	29.1	6.0	1.4	18.2	100.0	282
TOT	12	24	197	381	300	79	14	19.1		1007
PCT	1.2	2.4	19.6	37.8	29.8	7.8	1.4		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	1.1	1.4	3.8		7.0
E	.0	.0	.0	1.1		8.0
SE	.3	.0	.0	.3		4.0
S	.8	1.9	1.9	5.2		6.0
SW	.0	.5	6.3	5.7		7.0
W	.0	3.0	10.1	6.8		6.2
NW	1.1	1.1	9.5	14.9		6.9
VAR	.0	.0	.0	.0		.0
CALM	3.3	.0	1.1	.0		2.5
TOT OBS	5	8	33	46	92	6.6
TOT PCT	5.4	8.7	35.9	50.0	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	6.0	6.5	.0	1.1	.0	.0	.0	.0	5.4
.0	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	4.6
.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
.0	.0	.0	.8	4.3	.8	.0	.0	.0	.0	.0	3.8
.0	.0	.0	2.2	7.1	2.7	.0	.0	.0	.0	.0	.5
.0	.0	.0	3.0	5.7	6.3	1.1	.0	.0	.0	.0	3.8
.0	.0	.0	7.3	11.7	2.2	.0	.0	.0	.0	.0	5.4
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	3.3
.0	.0	1	19	33	12	2	0	0	0	0	25
.0	.0	1.1	20.7	35.9	13.0	2.2	.0	.0	.0	.0	27.2
											92
											100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
>2000	10.6	14.9	14.9	14.9	14.9	14.9	14.9	14.9
>1000	37.2	44.7	51.1	51.1	51.1	51.1	51.1	51.1
>600	43.6	57.4	67.0	69.1	71.3	71.3	71.3	71.3
>300	43.6	57.4	67.0	69.1	71.3	72.3	72.3	72.3
>150	43.6	57.4	67.0	69.1	71.3	72.3	72.3	72.3
>0	43.6	57.4	67.0	69.1	71.3	72.3	72.3	72.3
TOTAL	41	54	63	65	67	68	68	68

TOTAL NUMBER OF OBS: 94 PCT FREQ NH <5/8: 27.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.7	3.6	8.9	9.8	9.8	12.5	17.9	9.8	25.0	.0	112

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	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
1/2<1	PCP	.6	.0	.0	.0	.5	.8	.0	.0	.0	.0	1.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.6	.0	.0	.0	.5	.8	.0	.0	.0	.0	1.8	
1<2	PCP	2.6	.0	.0	.2	.5	.0	.6	1.7	.0	.0	5.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	2.6	.0	.0	.2	.5	.0	.6	1.7	.0	.0	5.4	
2<5	PCP	1.1	.0	.0	.0	1.2	.0	.0	3.2	.0	.0	5.4	
	NO PCP	1.2	.0	.0	.0	.6	.0	1.5	3.3	.0	.0	6.6	
	TOT %	2.3	.0	.0	.0	1.8	.0	1.5	6.5	.0	.0	12.0	
5<10	PCP	.5	.0	.6	.6	.6	.6	1.2	1.4	.0	.0	5.4	
	NO PCP	3.0	.0	.6	1.2	4.2	5.0	4.8	4.1	.0	.0	22.9	
	TOT %	3.5	.0	1.2	1.8	4.8	5.6	6.0	5.4	.0	.0	28.3	
10+	PCP	.5	.8	.0	.0	.6	1.2	.0	.0	.0	.0	3.0	
	NO PCP	7.1	2.1	.0	.8	8.1	6.9	9.2	12.2	.0	2.4	48.8	
	TOT %	7.5	2.9	.0	.8	8.7	8.1	9.2	12.2	.0	2.4	51.8	
TOT OBS												166	
TOT PCT		16.4	3.5	1.2	2.7	16.3	14.5	17.3	25.8	.0	2.4	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
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	.0	
	11-21	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	22+	.0	.0	.0	.0	.4	.7	.0	.0	.0	.0	1.2	
	TOT %	.6	.0	.0	.0	.4	.7	.0	.0	.0	.0	1.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	11-21	1.5	.0	.0	.0	.0	.0	.6	.3	.0	.0	2.4	
	22+	1.0	.0	.0	.1	.4	.0	.0	.7	.0	.0	2.4	
	TOT %	2.5	.0	.0	.1	.4	.0	.6	1.6	.0	.0	5.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	4-10	.4	.6	.0	.0	.6	.0	.0	1.3	.0	.0	2.4	
	11-21	.6	.0	.0	.0	.6	.0	.9	2.7	.0	.0	4.8	
	22+	1.2	.0	.0	.0	.6	.0	.6	1.8	.0	.0	4.2	
	TOT %	2.2	.6	.0	.0	1.8	.0	1.5	6.4	.0	.0	11.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.6	.0	.6	.9	4.5	1.5	1.9	1.9	.0	.0	11.9	
	11-21	1.9	.0	.0	.9	.3	.1	3.7	1.9	.0	.0	8.9	
	22+	.9	.0	.6	.0	.0	3.9	.7	1.6	.0	.0	7.7	
	TOT %	3.4	.0	1.2	1.8	4.8	5.5	6.4	5.5	.0	.0	28.6	
10+	0-3	.0	.0	.0	.0	.0	.0	.4	1.3	.0	2.4	4.2	
	4-10	1.5	.6	.0	.1	3.4	4.0	4.3	3.9	.0	.0	17.9	
	11-21	6.0	2.2	.0	.6	5.2	2.2	3.7	6.8	.0	.0	26.8	
	22+	.0	.0	.0	.0	.4	1.9	.6	.0	.0	.0	3.0	
	TOT %	7.4	2.8	.0	.7	9.1	8.2	9.1	12.1	.0	2.4	51.8	
TOT OBS												166	
TOT PCT		16.2	3.4	1.2	2.7	16.5	14.4	17.6	25.6	.0	2.4	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.55 10.4W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	18.8	37.5	.0	6.3	.0	.0	.0	62.5	37.5	16
06009	.0	.0	.0	21.1	26.3	13.2	.0	.0	.0	.0	60.5	39.5	38
12015	.0	.0	4.2	25.0	25.0	20.8	.0	.0	.0	.0	75.0	25.0	24
18021	.0	.0	.0	6.9	41.4	6.9	3.4	.0	.0	.0	58.6	41.4	29
TOT	0	0	1	19	34	12	2	0	0	0	68	39	107
PCT	.0	.0	.9	17.8	31.8	11.2	1.9	.0	.0	.0	63.6	36.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	5.9	11.8	29.4	52.9	17
06009	.0	1.7	3.3	11.7	31.7	51.7	60
12015	3.0	3.0	6.1	9.1	27.3	51.5	33
18021	.0	1.6	6.5	14.5	27.4	50.0	62
TOT	1	3	9	21	50	88	172
PCT	.6	1.7	5.2	12.2	29.1	51.2	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	33.3	40.0	26.7	15
06009	.0	3.1	31.3	40.6	28.1	32
12015	.0	9.1	36.4	45.5	18.2	22
18021	.0	.0	16.0	52.0	32.0	25
TOT	0	3	27	42	25	94
PCT	.0	3.2	28.7	44.7	26.6	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
70/74	.0	.0	.0	.0	.0	.0	1.0	1.0	1	1.0
65/69	.0	.0	.0	2.0	.0	1.0	1.0	4	4	4.1
60/64	.0	.0	.0	.0	2.0	6.1	1.0	9	9	9.2
55/59	.0	.0	1.0	5.1	6.1	12.2	3.1	27	27	27.6
50/54	.0	.0	2.0	5.1	6.1	12.2	8.2	33	33	33.7
45/49	.0	.0	.0	2.0	12.2	3.1	3.1	20	20	20.4
40/44	.0	.0	.0	.0	2.0	2.0	.0	4	4	4.1
TOTAL	0	0	3	14	28	36	17	98	98	100.0
PCT	.0	.0	3.1	14.3	28.6	36.7	17.3			

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0
65/69	2.6	.5	.0	.0	.0	.0	.0	1.0	.0	.0
60/64	4.1	.0	.0	.0	.0	1.8	3.3	.0	.0	.0
55/59	3.3	1.3	.0	.0	1.3	6.6	15.1	.0	.0	.0
50/54	6.9	2.0	.0	.3	4.6	4.1	9.4	5.4	.0	1.0
45/49	1.8	2.0	1.0	.3	8.4	6.6	.0	.3	.0	.0
40/44	.0	.0	.0	.0	.0	1.0	.0	.0	.0	3.1
TOTAL	18.6	5.9	1.0	.5	13.0	13.0	17.9	26.0	.0	4.1

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	66	60	59	54	46	44	44	53.8	139
06009	70	64	61	55	47	43	43	54.3	282
12015	71	64	62	55	48	44	43	53.4	290
18021	66	63	62	55	48	45	43	53.1	278
TOT	71	64	61	55	47	44	43	54.8	989

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	20.0	13.3	46.7	20.0	82	15
06009	.0	.0	9.4	31.3	37.5	21.9	82	32
12015	.0	8.3	16.7	16.7	37.5	20.8	79	24
18021	.0	3.4	26.7	41.4	27.6	6.9	76	29
TOT	0	3	16	28	36	17	79	100

SEPTEMBER

PERIOD: (PRIMARY) 1864-1973
(OVER-ALL) 1854-1973

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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	41 44	45 48	49 52	53 56	57 60	61 64	65 68	69 72	TOT	% FOG	WU FOG
3	.0	.0	.0	5.7	4.5	.0	.0	.0	9	.0	10.2
2	.0	1.1	2.3	1.1	4.5	.0	.0	1.1	9	.0	10.2
1	.0	.0	2.3	5.7	.0	.0	.0	.0	7	.0	8.0
0	1.1	1.1	6.8	5.7	.0	.0	.0	1.1	14	1.1	14.8
-1	.0	1.1	4.5	4.5	.0	.0	1.1	.0	10	.0	11.4
-2	2.3	6.8	1.1	2.3	.0	.0	1.1	.0	12	.0	12.6
-3	.0	2.3	4.5	.0	.0	.0	.0	.0	6	.0	6.8
-4	.0	4.5	4.5	.0	.0	.0	.0	.0	8	.0	9.1
-5	.0	2.3	3.4	.0	.0	.0	.0	.0	5	.0	5.7
-6	2.3	1.1	.0	.0	.0	.0	.0	.0	3	.0	3.4
-7/-8	2.3	.0	2.3	.0	.0	.0	.0	.0	4	.0	4.5
-9/-10	.0	.0	.0	.0	1.1	.0	.0	.0	1	.0	1.1
TOTAL	7		28		9		2		88	1	87
PCT	8.0	20.5	31.8	25.0	10.2	.0	2.3	2.3	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	1.7	.0	.0	.0	.0	1.7
3-4	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.3	8.9	.0	.0	.0	10.2	.0	.0	1.3	.0	.0	.0	.0	1.3
7	.0	.0	1.7	1.7	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	5.5	11.9	1.7	.0	.0	19.1	.0	.0	3.7	.0	.0	.0	.0	3.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER
TABLE 18 (CONT)

AREA 0020 TRISTAN DA CUNHA GROUP
37.55 10.4W

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4
3-4	.0	3.0	3.4	.0	.0	.0	6.4	.0	2.1	.0	.0	.0	.0	.0	.0	2.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.4	.0	.0	.0	.0	.0	2.5
7	.0	.0	.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	1.7	.0	.0	.0	.0	1.7
10-11	.0	1.7	.0	1.3	.0	.0	3.0	.0	.0	.0	2.1	.0	.0	.0	.0	2.1
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	6.4	3.4	1.3	.0	.0	11.0	.0	4.2	.8	3.8	.0	.0	.0	.0	8.9

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.3	.0	.0	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
3-4	1.3	4.7	.0	.0	.0	.0	5.9	3.8	3.8	2.1	.0	.0	.0	.0	.0	9.7	9.7
5-6	.0	2.5	6.4	.0	.0	.0	8.9	.0	.8	6.8	.0	.0	.0	.0	.0	7.6	7.6
7	.0	.0	4.2	.0	.0	.0	4.2	.0	.0	12.7	3.4	.0	.0	.0	.0	16.1	16.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.7	.0	.0	1.7	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
12	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
13-16	.0	.0	.0	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	7.2	11.9	3.0	.0	.0	23.3	3.8	5.5	21.6	3.8	.0	.0	.0	34.7	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	1.7	3.3	.0	.0	.0	.0	5.0	
1-2	.0	1.7	3.3	.0	.0	.0	5.0	
3-4	5.0	13.3	6.7	.0	.0	.0	25.0	
5-6	.0	6.7	23.3	.0	.0	.0	30.0	
7	.0	.0	18.3	5.0	.0	.0	23.3	
8-9	.0	.0	.0	1.7	.0	.0	1.7	
10-11	.0	3.3	.0	5.0	.0	.0	8.3	
12	.0	.0	.0	1.7	.0	.0	1.7	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.7	28.3	51.7	13.3	.0	.0	100.0	60

PERIOD: (OVER-ALL) 1950-1975

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	.0	.0	15.1	6.8	4.1	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
6-7	.0	.0	4.1	20.5	9.6	4.1	1.4	.0	4.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	7
8-9	.0	.0	1.4	2.7	4.1	2.7	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
10-11	.0	.0	1.4	.0	.0	1.4	1.4	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	5	13
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	1.4	1.4	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
TOTAL	0	1	17	23	13	6	3	2	6	0	1	0	1	0	0	0	0	0	0	0	73	7
PCT	.0	1.4	23.3	31.5	17.8	8.2	4.1	2.7	8.2	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	11.6	4.5	8.4	.0	.0	.0	.0	24.5	.0	.0	2.6	.0	.0	.0	.0
NE	20.7	.0	8.9	.0	.0	.0	.0	27.6	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	4.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	12.5	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0
S	11.1	.0	22.2	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0
Sw	4.8	2.4	1.8	.0	.0	.0	.0	8.3	2.4	.0	2.4	2.4	.0	.0	.0
W	6.7	.0	4.1	.0	.0	.0	.0	9.7	7.5	.0	.0	.0	.0	.0	.0
Nw	19.7	.7	2.2	.0	.0	.0	.0	22.6	2.9	.0	.0	.0	.0	.0	.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	.0	.0	100.0
TOT PCT	9.5	1.3	5.2	.0	.0	.0	.0	15.6	3.0	.0	.9	.4	.0	.0	80.1
TOT OBS:	231														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	10.2	1.7	6.8	.0	.0	.0	.0	18.6	.0	.0	1.7	.0	.0	.0	79.7
06009	8.3	2.8	2.8	.0	.0	.0	.0	12.5	8.3	.0	1.4	.0	.0	.0	77.8
12015	10.0	1.7	5.0	.0	.0	.0	.0	16.7	1.7	.0	.0	1.7	.0	.0	80.0
18021	10.2	1.7	5.1	.0	.0	.0	.0	16.9	.0	.0	.0	.0	.0	.0	83.1
TOT PCT	9.6	2.0	4.8	.0	.0	.0	.0	16.0	2.8	.0	.8	.4	.0	.0	80.0
TOT OBS:	250														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.4	1.6	6.5	5.9	1.8	.3	16.4	21.7	15.9	16.7	15.8	14.8	18.0	26.9	15.8	15.1
NE	.5	2.2	3.6	3.7	1.4	.3	11.7	21.1	10.8	25.0	10.4	12.9	12.8	23.1	7.8	12.9
E	.4	1.5	1.3	1.2	.0	.1	4.6	15.1	4.0	.0	5.1	7.0	3.6	11.5	4.7	4.4
SE	.3	1.3	1.4	.8	.2	.0	4.0	15.1	5.2	.0	3.7	2.3	3.9	.0	3.4	6.3
S	.6	2.0	3.0	2.3	.7	.2	8.8	18.1	10.2	8.3	9.6	7.0	7.7	.0	6.6	12.6
Sw	.1	3.7	6.0	5.2	.9	.2	16.0	18.7	14.3	16.7	17.2	17.6	14.4	7.7	17.0	18.2
W	.3	3.7	5.4	5.5	1.4	.1	20.5	18.8	21.6	11.1	21.4	17.2	22.0	7.7	22.7	16.7
Nw	.3	2.2	5.6	6.0	1.8	.3	16.3	21.4	13.8	22.2	14.5	18.8	17.2	23.1	20.8	11.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	4.2	.0	2.2	2.3	.3	.0	1.3	1.9
TOT OBS	58	230	465	385	104	18	1260	19.2	192	18	224	128	366	13	160	159
TOT PCT	4.6	18.3	36.9	30.6	8.3	1.4	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.8	4.0	6.9	3.8	.8	16.4	21.7	16.0	15.5	18.3	15.4	
NE	1.1	3.5	3.6	2.6	1.0	11.7	21.1	12.0	11.3	13.2	10.3	
E	1.0	1.6	1.7	.2	.1	4.6	15.1	3.7	5.8	3.9	4.5	
SE	1.1	1.1	1.3	.6	.0	4.0	15.1	4.8	3.2	3.8	4.9	
S	1.2	2.8	3.1	1.3	.3	8.8	18.1	10.0	8.7	7.5	9.6	
Sw	1.2	5.3	6.6	2.5	.3	16.0	18.7	14.5	17.3	14.2	17.6	
W	1.4	6.2	9.1	3.5	.3	20.5	18.8	20.7	19.9	21.5	19.7	
Nw	1.1	4.0	7.1	3.3	.8	16.3	21.4	14.5	16.1	17.4	16.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7					1.7	.0	3.8	2.3	.3	1.6	
TOT OBS	136	360	496	223	45	1260	19.2	210	352	379	319	
TOT PCT	10.8	28.6	39.4	17.7	3.6	100.0		100.0	100.0	100.0	100.0	

OCTOBEP

PERIOD: (PRIMARY) 1863-1973
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4M

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00603	3.8	3.8	17.1	33.8	30.0	10.0	1.4	19.3	100.0	210
06609	2.3	2.6	17.3	36.9	29.8	9.7	1.4	19.5	100.0	352
12615	.3	2.1	19.3	37.7	31.9	7.4	1.3	19.4	100.0	379
18621	1.6	3.4	18.8	37.9	30.1	6.6	1.6	18.8	100.0	319
TOT	22	36	230	465	385	104	18	19.2		1260
PCT	1.7	2.9	18.3	36.9	30.6	8.3	1.4	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	1.0	2.1	2.5		6.6
E	.0	.0	2.1	2.9		7.0
SE	.0	.0	1.7	.7		6.8
S	.4	.8	1.5	2.6		6.4
SW	2.0	5.2	6.9	3.7		5.2
W	2.7	6.4	14.4	6.8		3.4
NW	1.5	1.5	3.2	8.9		6.4
VAR	.0	.0	.0	.0		.0
CALM	.5	.5	.0	1.4		5.4
TOT OBS	18	35	75	82	210	5.9
TOT PCT	8.6	16.7	35.7	39.0	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.5	.0	.0	5.0	3.1	1.0	.0	.0	.0	.5	5.7	
.0	.0	.5	.7	.4	2.0	.0	.0	.0	.0	2.1	
.0	.0	.0	1.3	2.9	.4	.0	.0	.0	.0	.5	
.0	.0	.5	.0	.8	.5	.0	.0	.0	.0	.6	
.0	.0	.0	.0	1.5	.8	.0	.0	.0	.0	3.0	
.5	.0	.2	1.7	3.8	1.5	.5	.0	.0	.0	9.6	
.0	.0	2.1	4.8	5.2	4.3	1.2	.0	.0	.0	12.7	
1.0	.0	1.0	2.7	2.3	1.0	.2	.0	.0	1.0	6.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	1.0	.0	.0	.0	.0	.5	1.0	
.4	.0	.9	3.4	4.4	2.4	.4	.0	.0	.4	8.7	
1.9	.0	4.3	16.2	21.0	11.4	1.9	.0	.0	1.9	41.4	
											100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50VD	>0
>6500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>3500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
>2000	14.6	15.5	15.5	15.5	15.5	15.5	15.5	15.5
>1000	31.0	35.4	36.7	36.7	36.7	36.7	36.7	36.7
>500	39.4	47.8	50.4	53.1	53.1	53.1	53.1	53.1
>300	39.8	50.0	53.5	57.1	57.5	57.5	57.5	57.5
>150	39.8	50.0	54.0	57.5	58.0	58.0	58.0	58.0
>0	40.7	51.3	55.3	59.3	59.7	59.7	60.6	60.6
TOTAL	92	116	125	134	135	135	137	137

TOTAL NUMBER OF OBS: 226

PCT FREQ NH <5/8: 39.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.3	6.4	6.9	11.6	9.0	6.4	13.7	10.3	31.3	.0	233

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	.0
	NO PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
	TOT %	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	.9
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	.9
1<2	PCP	1.8	.4	.0	.0	.0	.0	.0	.8	.0	.0	3.0	3.0
	NO PCP	.3	.0	.0	.0	.0	.1	.3	.5	.0	.0	1.3	1.3
	TOT %	2.2	.4	.0	.0	.0	.1	.3	1.3	.0	.0	4.3	4.3
2<5	PCP	1.5	.9	.2	.0	.4	.0	.0	.0	.0	.0	3.0	3.0
	NO PCP	.8	.0	.0	.0	.0	.4	.1	.0	.0	.0	1.3	1.3
	TOT %	2.3	.9	.2	.0	.4	.0	.4	.1	.0	.0	4.3	4.3
5<10	PCP	.3	.0	.0	.2	.9	.3	2.2	1.7	.0	.0	5.6	5.6
	NO PCP	3.4	.6	1.1	.4	.2	1.3	2.3	1.5	.0	.0	10.8	10.8
	TOT %	3.7	.6	1.1	.6	1.1	1.6	4.4	3.2	.0	.0	16.5	16.5
10+	PCP	.4	.4	.0	.0	.3	1.2	.6	.0	.0	.0	3.0	3.0
	NO PCP	8.2	3.9	4.1	1.1	3.0	14.8	23.1	9.3	.0	3.0	70.6	70.6
	TOT %	8.7	4.3	4.1	1.1	3.4	16.0	23.7	9.3	.0	3.0	73.6	73.6
TOT OBS													231
TOT PCT		16.8	6.3	5.4	1.7	4.9	18.2	28.9	14.8	.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	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	.4
	TOT %	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	.8
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	2.1	.4	.0	.0	.0	.1	.3	1.2	.0	.0	4.1	4.1
	TOT %	2.1	.4	.0	.0	.0	.1	.3	1.2	.0	.0	4.1	4.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
	11-21	.9	.6	.0	.0	.0	.0	.0	.1	.0	.0	1.6	1.6
	22+	1.2	.2	.2	.0	.4	.0	.4	.0	.0	.0	2.5	2.5
	TOT %	2.2	.8	.2	.0	.4	.4	.4	.1	.0	.0	4.5	4.5
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.4	.0	.0	.0	.8	.4	.9	.7	.0	.0	3.3	3.3
	11-21	1.5	.4	.0	.0	.0	.8	3.2	1.0	.0	.0	7.0	7.0
	22+	1.5	.2	1.0	.6	.6	.5	1.5	1.3	.0	.0	7.4	7.4
	TOT %	3.5	.6	1.0	.6	1.4	1.7	5.7	3.1	.0	.0	17.7	17.7
10+	0-3	.4	.0	.0	.0	.0	.0	.3	.5	.0	3.7	4.9	4.9
	4-10	4.1	2.7	1.1	1.3	1.3	5.1	8.0	2.6	.0	.0	26.3	26.3
	11-21	3.4	1.3	1.7	.0	1.5	4.9	8.1	3.2	.0	.0	24.3	24.3
	22+	1.1	.1	1.0	.1	.3	5.1	6.1	3.0	.0	.0	16.9	16.9
	TOT %	9.1	4.1	3.9	1.4	3.2	15.2	22.5	9.3	.0	3.7	72.4	72.4
TOT OBS													243
TOT PCT		16.8	6.0	5.1	2.1	5.0	17.9	28.9	14.5	.0	3.7	100.0	

OCTOBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
00003	1.8	.0	3.6	14.3	26.8	7.1	1.8	.0	.0	1.8	57.1	42.9	56
06009	4.6	.0	4.6	6.2	27.7	16.9	3.1	.0	.0	3.1	66.2	33.8	65
12015	.0	1.9	7.5	26.4	17.0	9.4	1.9	.0	.0	.0	64.2	35.8	53
18021	3.8	.0	1.9	20.8	11.3	11.3	3.8	.0	.0	1.9	54.7	45.3	53
TOT	6	1	10	37	48	26	6	0	0	4	138	89	227
PCT	2.6	.4	4.4	16.3	21.1	11.3	2.6	.0	.0	1.8	60.8	39.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	6.5	4.3	22.6	66.1	62
06009	2.6	.0	1.3	5.3	14.5	76.3	76
12015	.0	.0	4.8	6.3	14.3	74.6	63
18021	.0	3.3	3.3	4.9	16.4	72.1	61
TOT	2	2	10	14	44	190	262
PCT	.8	.8	3.8	5.3	16.8	72.5	100.0

TABLE 12

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

HR	<150 <30VD	<600 <1	<1000 <5	1000+ AND5+	NH <3/8 AND 5+	TOTAL OBS
00003	1.8	5.4	21.4	35.7	42.9	56
06009	4.7	9.4	17.2	48.4	34.4	64
12015	.0	9.4	35.8	28.3	35.8	53
18021	3.8	5.7	28.3	26.4	45.3	53
TOT	6	17	57	80	89	226
PCT	2.7	7.5	25.2	35.4	39.4	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
65/69	.0	.0	.0	.0	.0	2.0	.5	.0	5	2.5
60/64	.0	.0	.5	1.0	1.0	2.0	3.4	6.4	29	14.5
55/59	.0	.0	.0	2.0	6.9	9.4	17.7	11.8	97	47.8
50/54	.0	.0	.0	.0	6.9	9.4	9.4	3.4	59	29.1
45/49	.0	.0	.0	.0	.5	1.0	3.4	1.5	13	6.4
TOTAL	0	0	1	6	31	48	70	47	203	100.0
PCT	.0	.0	.5	3.0	15.3	23.6	34.5	23.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
.9	.0	.0	.0	.0	.0	.0	1.0	.6	.0	.0
5.5	.7	.7	.1	.0	.6	3.6	3.0	.0	.0	.0
8.1	3.8	1.4	.0	.7	6.3	16.9	10.1	.0	.5	.0
1.5	1.2	2.2	.6	3.2	8.5	9.0	.9	.0	2.0	.0
.5	.6	1.4	1.0	.9	2.1	.0	.0	.0	.0	.0
16.5	6.4	5.7	1.7	4.8	17.5	30.4	14.5	.0	2.5	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	64	60	54	45	44	44	53.7	205
06009	67	62	61	55	47	43	42	54.4	350
12015	66	65	63	57	49	47	41	56.4	378
18021	66	64	61	56	48	45	44	55.4	316
TOT	68	64	62	55	48	44	41	55.1	1249

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	7.7	23.1	30.8	38.5	84	52		
06009	.0	1.6	15.9	27.0	30.2	25.4	62	65		
12015	.0	7.7	23.1	25.0	32.7	11.5	76	55		
18021	.0	3.8	14.5	17.0	41.5	16.9	80	53		
TOT	0	7	36	51	74	52	81	220		

OCTOBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

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	TOT	% FOG	% NO FOG
9/10	.0	.0	.0	.0	.5	1.5	4	.0	2.0
7/8	.0	.0	.0	.5	1.0	.5	4	.0	2.0
6	.0	.0	.0	.0	2.9	.0	6	.0	2.9
5	.0	.0	.0	2.5	1.0	.0	7	.0	3.4
4	.0	.0	.5	3.9	2.5	.0	14	.0	6.9
3	.0	.0	.5	7.4	.5	.0	17	.0	8.3
2	.0	.0	3.9	7.8	.0	.0	24	.0	11.8
1	.0	.5	5.9	5.9	.0	.0	25	.5	11.8
0	1.0	1.0	7.4	2.5	.5	.0	25	.0	12.3
-1	.5	.5	7.4	1.5	.0	.0	20	.0	9.8
-2	.0	2.0	6.9	.0	.0	.0	18	.5	8.3
-3	.5	4.9	2.0	.0	.0	.5	16	.0	7.8
-4	1.5	2.5	1.0	.0	.0	.0	10	.0	4.9
-5	.5	2.0	.5	.0	.0	.0	6	.0	2.9
-6	.0	1.0	.0	.0	.0	.0	2	.0	1.0
-7/-8	1.0	1.5	.0	.0	.0	.0	5	.0	2.5
-9/-10	.5	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	11		73		18		204	2	202
PCT	5.4	19.7	35.8	31.9	8.8	2.5	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.7	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.0	.2
1-2	.0	1.7	3.7	.0	.0	.0	5.4	.0	1.0	1.2	.0	.0	.0	.0	2.2
3-4	.0	.0	1.0	.0	.0	.0	1.0	.0	1.2	1.0	.0	.0	.0	.0	2.2
5-6	.0	1.0	2.5	2.0	.0	.0	5.4	.0	.0	2.2	.2	.0	.0	.0	2.5
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.2	.0	.0	.0	.0	.2
8-9	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	2.7	8.8	2.9	.0	.0	14.5	.0	2.2	4.9	.2	.0	.0	.0	7.4

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2
1-2	.0	1.0	.7	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.0	1.7	.7	.0	.0	3.4	.0	.0	1.0	.5	.0	.0	.0	1.5
7	.0	.0	.7	1.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	1.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	2.7	3.2	2.7	.0	.0	8.6	.0	.2	1.0	1.5	.0	.0	.0	2.7

PERIOD: (OVER-ALL) 1963-1975

OCTOBER

ARFA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	1.0
3-4	.0	.7	.0	.0	.0	.0	.7	.0	.2	1.2	1.0	.0	.0	2.5
5-6	.0	.7	.7	1.5	.0	.0	2.9	.0	1.5	3.2	.5	.0	.0	5.1
7	.0	.0	.7	1.0	.0	.0	1.7	.0	1.0	1.5	.0	.0	.0	2.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0
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	.0	3.2	1.5	2.5	.0	.0	7.1	.0	2.7	6.9	1.5	1.0	.0	12.0

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	2.9	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	1.0	.0	.0	.0	1.7	.0	1.5	1.2	.0	.0	.0	2.7	.0
3-4	.0	1.0	.7	.0	.0	.0	1.7	.0	.0	1.0	2.9	.0	.0	3.9	.0
5-6	.7	2.5	5.9	3.9	.0	.0	13.0	.2	2.2	1.5	3.4	.0	.0	7.4	.0
7	.0	.0	3.7	2.0	1.0	.0	6.6	.0	.0	2.0	.0	.0	.0	2.0	.0
8-9	.0	1.0	.0	.7	1.0	.0	2.7	.0	.0	.0	.2	.0	.0	.2	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	8.1	11.3	6.6	2.0	.0	28.7	.2	3.7	5.6	6.6	.0	.0	16.2	97.1

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	3.8	1.0	.0	.0	.0	8.6	
1-2	1.0	6.7	8.6	.0	.0	.0	16.2	
3-4	.0	3.8	4.8	3.8	.0	.0	12.4	
5-6	1.0	9.5	18.1	12.4	.0	.0	41.0	
7	.0	1.0	9.5	3.8	1.0	.0	15.2	
8-9	.0	1.0	.0	1.9	1.9	.0	4.8	
10-11	.0	.0	.0	1.9	.0	.0	1.9	
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	5.7	25.1	41.9	23.8	2.9	.0	100.0	105

PERIOD: (OVER-ALL) 1950-1975

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	.0	.7	4.5	8.2	5.2	2.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	6
6-7	.0	5.2	5.2	17.2	6.0	3.0	3.0	.7	3.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	59	6
8-9	.0	2.2	.7	4.5	1.5	.7	.0	.7	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	7
10-11	.0	.0	1.5	.0	.0	.7	1.5	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	9
12-13	.0	.0	2.2	2.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
>13	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
INDET	1.5	1.5	1.5	1.5	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
TOTAL	2	13	21	45	23	9	9	3	7	1	0	0	0	1	0	0	0	0	0	0	134	6
PCT	1.5	9.7	15.7	33.6	17.2	6.7	6.7	2.2	5.2	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	10.5	.0	10.5	.0	.0	.0	.0	21.1	.0	.0	15.8	.0	.0	.0	63.2
NE	.0	8.2	26.5	.0	.0	.0	.0	34.7	.0	.0	8.2	.0	.0	.0	49.0
E	.0	.0	.0	.0	.0	.0	.0	.0	8.2	.0	8.2	.0	.0	.0	83.7
SE	12.1	.0	24.2	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
S	.0	.0	10.5	.0	.0	.0	.0	10.5	4.7	.0	.0	.0	.0	.0	84.9
SW	3.8	.0	10.4	.0	.0	.0	.0	14.2	.0	.0	.0	.0	.0	.0	85.8
W	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	96.8
NW	9.9	.0	5.0	.0	.0	.0	.0	14.9	1.0	.0	10.9	.0	.0	.0	73.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	22.2	.0	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
TOT PCT	5.2	.7	8.5	.0	.0	.0	.0	14.4	2.6	.0	4.6	.0	.0	.0	78.4
TOT OBS:	153														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	8.3	.0	11.1	.0	.0	.0	.0	19.4	8.3	.0	2.8	.0	.0	.0	69.4
06009	7.8	1.6	6.3	.0	.0	.0	.0	15.6	1.6	.0	6.3	.0	.0	.0	76.6
12015	3.4	.0	6.9	.0	.0	.0	.0	10.3	3.4	.0	3.4	.0	.0	.0	82.8
18021	.0	.0	12.1	.0	.0	.0	.0	12.1	.0	.0	6.1	.0	.0	.0	81.8
TOT PCT	5.6	.6	8.6	.0	.0	.0	.0	14.8	3.1	.0	4.9	.0	.0	.0	77.2
TOT OBS:	162														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.8	2.7	8.8	6.1	1.3	.2	19.9	19.1	19.3	12.0	20.5	22.3	19.0	17.5	20.3	20.4	
NE	.5	2.6	5.9	3.4	.4	.1	12.9	17.5	15.4	12.0	13.2	13.6	13.1	15.0	10.3	11.4	
E	.2	1.9	1.4	.7	.1	*	4.3	13.1	3.9	4.0	4.1	4.1	4.2	10.0	4.2	5.2	
SE	.3	1.3	1.3	.8	.2	*	3.9	15.1	3.2	2.0	4.0	2.7	4.7	2.5	4.2	4.1	
S	.2	2.0	3.2	1.2	.2	.0	6.9	14.8	7.3	2.0	6.9	7.0	7.9	.0	8.3	4.1	
SW	.3	2.8	4.8	3.3	.6	.1	11.8	17.8	11.5	10.0	11.7	13.3	12.1	20.0	10.2	11.4	
W	.9	3.9	6.0	3.8	1.1	.1	15.3	17.7	13.8	22.0	14.7	13.8	15.5	5.0	16.9	17.2	
NW	.8	5.8	10.0	6.0	1.3	.0	23.5	17.4	24.8	36.0	22.2	22.6	22.1	30.0	24.1	23.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3						1.3	.0	.8	.0	2.7	.5	1.5	.0	1.5	.9	
TOT OBS	78	398	717	438	90	9	1730	17.2	245	25	262	206	536	20	203	233	
TOT PCT	4.5	23.0	41.4	25.3	5.2	.5	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.7	5.7	8.8	3.2	.5	19.9	19.1	18.6	21.3	19.0	20.4	
NE	1.3	4.4	5.2	2.0	.1	12.9	17.5	15.1	13.4	13.1	10.9	
E	1.1	1.8	1.2	.2	*	4.3	13.1	3.9	4.1	4.4	4.7	
SE	1.0	1.4	1.0	.2	.2	3.9	15.1	3.1	3.4	4.6	4.1	
S	1.3	2.7	2.5	.4	*	6.9	14.8	6.9	8.9	7.6	6.0	
SW	1.1	4.6	4.2	1.8	.2	11.8	17.8	11.4	12.4	12.4	10.8	
W	2.0	5.2	5.3	2.4	.3	15.3	17.7	14.5	14.3	15.2	17.0	
NW	2.5	6.5	8.9	3.3	.3	23.5	17.4	25.8	22.4	22.3	24.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3					1.3	.0	.7	1.7	1.4	1.1	
TOT OBS	229	594	643	233	31	1730	17.2	270	468	556	436	
TOT PCT	13.2	34.3	37.2	13.5	1.8	100.0		100.0	100.0	100.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.9S 10.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.7	2.6	25.6	39.3	27.8	3.7	.4	17.1	100.0	270
06009	1.7	3.0	23.5	42.1	24.1	4.7	.2	16.7	100.0	468
12015	1.4	3.1	21.6	40.6	25.7	6.7	.9	17.6	100.0	556
18021	1.1	3.2	22.7	43.1	24.5	4.8	.5	17.2	100.0	436
TOT	23	55	398	717	438	90	9	17.2		1730
PCT	1.3	3.2	23.0	41.4	25.3	5.2	.5	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.2	1.7	5.2	7.6	7.6
E	.0	.0	1.5	3.9	7.4	7.4
SE	.0	.0	2.0	5.2	7.6	7.6
S	1.3	4.1	2.6	5.0	5.7	5.7
SW	1.7	5.7	5.0	4.6	5.2	5.2
W	2.6	2.8	7.2	5.9	5.4	5.4
NW	2.2	.7	3.5	13.0	6.8	6.8
VAR	.0	.0	.0	.0	7.0	7.0
CALM	.0	.9	.0	2.6	7.0	7.0
TOT OBS	9	18	29	59	115	6.3
TOT PCT	7.8	15.7	25.2	51.3	100.0	

TABLE 6

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	CEILING HEIGHTS (FT, NH >4/8)											NH <5/8 ANY HGT	TOTAL OBS
							000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	.0	1.3	1.7	5.9	6.8	6.8	.7	.0	.0	2.6	1.3	1.3	.0	.0	.0	.0	.0	3.0	
NE	.0	.2	1.7	5.2	7.6	7.6	.0	.0	.0	3.7	.2	1.7	.0	.0	.0	.0	.0	2.1	
E	.0	.0	1.5	3.9	7.4	7.4	.9	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	7.1	
SE	.0	.0	2.0	5.2	7.6	7.6	.0	.0	.0	1.7	3.5	.9	.0	.0	.0	.0	.0	2.2	
S	1.3	4.1	2.6	5.0	5.7	5.7	.0	.0	.7	.0	5.2	.0	.0	.0	.0	.0	.0	7.2	
SW	1.7	5.7	5.0	4.6	5.2	5.2	.0	.2	2.0	2.8	2.2	.9	.4	.0	.0	.0	.9	7.6	
W	2.6	2.8	7.2	5.9	5.4	5.4	.0	.0	.0	2.0	2.4	2.2	.0	.4	.9	.0	.0	10.7	
NW	2.2	.7	3.5	13.0	6.8	6.8	.2	.0	.9	5.7	2.0	1.1	3.5	.0	.0	.0	.0	5.2	
VAR	.0	.0	.0	.0	7.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.9	.0	2.6	7.0	7.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	.0	.0	.9	
TOT OBS	9	18	29	59	115	6.3	2	0	2	17	28	10	7	2	1	3	43	115	
TOT PCT	7.8	15.7	25.2	51.3	100.0		1.7	.0	1.7	14.8	24.3	8.7	6.1	1.7	.9	2.6	37.4	100.0	

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	2.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>5000	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
>3500	5.9	10.2	10.2	10.2	10.2	10.2	11.0	11.0
>2000	11.9	18.6	18.6	18.6	18.6	18.6	19.5	19.5
>1000	30.5	40.7	42.4	43.2	43.2	43.2	44.1	44.1
>600	37.3	52.5	57.6	58.5	58.5	58.5	59.3	59.3
>300	37.3	52.5	59.3	60.2	60.2	60.2	61.0	61.0
>150	37.3	52.5	59.3	60.2	60.2	60.2	61.0	61.0
>0	37.3	52.5	59.3	60.2	60.2	61.0	62.7	62.7
TOTAL	44	62	70	71	71	72	74	74

TOTAL NUMBER OF OBS: 118 PCT FREQ NH <5/8: 37.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.3	6.6	10.7	8.3	7.4	5.0	10.7	6.6	39.7	1.7	121

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	.0
	NO PCP	.5	.0	.7	.0	.0	.0	.0	.8	.0	.0	2.0	
	TOT %	.5	.0	.7	.0	.0	.0	.0	.8	.0	.0	2.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.3	
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.3	
1<2	PCP	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.7	.0	.0	.0	.0	.0	.7	.0	.0	1.3	
	TOT %	.0	1.3	.0	.0	.0	.0	.0	.7	.0	.0	2.0	
2<5	PCP	.0	1.3	.0	.7	.8	1.1	.0	1.3	.0	1.3	6.5	
	NO PCP	1.1	.0	.7	.7	.0	.0	.0	.2	.0	.0	2.6	
	TOT %	1.1	1.3	.7	1.3	.8	1.1	.0	1.5	.0	1.3	9.2	
5<10	PCP	1.0	.7	.0	.0	.0	.7	.0	.3	.0	.0	2.6	
	NO PCP	1.5	.7	1.3	.0	3.3	5.1	3.3	2.9	.0	1.3	18.3	
	TOT %	1.5	1.3	1.3	.0	3.3	5.7	3.3	3.3	.0	1.3	20.9	
10+	PCP	1.0	.2	.0	1.3	.7	.7	.0	.8	.0	.0	4.6	
	NO PCP	4.2	3.9	5.4	2.8	9.3	9.8	12.3	9.2	.0	3.3	60.1	
	TOT %	5.2	4.1	5.4	4.1	10.0	10.5	12.3	10.0	.0	3.3	64.7	
TOT OBS												153	
TOT PCT		9.3	8.0	8.0	5.4	14.1	17.3	15.5	16.5	.0	5.9	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	.0
	4-10	.0	.0	.6	.0	.0	.0	.0	.6	.0	.0	1.1	
	11-21	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0	.6	
	22+	1.1	.0	.0	.0	.0	.0	.0	1.1	.0	.0	2.3	
	TOT %	1.6	.0	.6	.0	.0	.0	.0	1.8	.0	.0	4.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.9	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.9	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	11-21	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	1.1	.0	.0	.0	.0	.0	.6	.0	.0	1.7	
2<5	0-3	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.7	
	4-10	.3	.0	.0	.0	.0	1.1	.0	1.4	.0	.0	2.8	
	11-21	.4	1.1	.6	.6	.7	.4	.0	.7	.0	.0	4.5	
	22+	1.1	.0	.0	.6	.0	.0	.0	1.7	.0	.0	3.4	
	TOT %	2.4	1.1	.6	1.1	.7	1.6	.0	3.8	.0	1.1	12.5	
5<10	0-3	.0	.0	.0	.0	.0	.0	.6	.0	.0	1.1	1.7	
	4-10	.0	.6	.0	.0	.9	1.7	.9	.6	.0	.0	4.5	
	11-21	.0	.6	1.1	.0	2.0	3.8	1.4	1.8	.0	.0	10.8	
	22+	1.3	.0	.0	.0	.0	.6	.6	1.6	.0	.0	4.0	
	TOT %	1.3	1.1	1.1	.0	2.8	6.1	3.4	4.0	.0	1.1	21.0	
10+	0-3	1.0	.7	.0	.0	.0	.6	.6	.0	.0	3.4	6.3	
	4-10	1.4	2.8	3.6	.1	6.0	2.7	2.8	6.1	.0	.0	23.6	
	11-21	1.7	.0	1.1	2.8	2.7	3.7	4.3	4.1	.0	.0	20.5	
	22+	.4	.0	.0	.6	.0	2.1	3.3	1.0	.0	.0	7.4	
	TOT %	4.5	3.6	4.7	3.6	8.7	9.1	10.9	11.2	.0	3.4	59.7	
TOT OBS												176	
TOT PCT		10.7	7.0	7.0	4.7	12.2	16.8	14.3	21.7	.0	5.7	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	21.4	21.4	7.1	3.6	3.6	.0	.0	57.1	42.9	28
06009	4.7	.0	2.3	11.6	30.2	9.3	2.3	.0	.0	7.0	67.4	32.6	43
12015	.0	.0	.0	16.7	20.8	8.3	8.3	4.2	4.2	.0	62.5	37.5	24
18021	.0	.0	4.3	13.0	21.7	8.7	13.0	.0	.0	.0	60.9	39.1	23
TOT	2	0	2	18	29	10	7	2	1	3	74	44	118
PCT	1.7	.0	1.7	15.3	24.6	8.5	5.9	1.7	.8	2.5	62.7	37.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	2.6	.0	15.4	25.6	56.4	39
06009	5.6	.0	2.8	15.3	19.4	56.9	72
12015	2.9	2.9	.0	5.9	20.6	67.6	34
18021	5.0	.0	2.5	12.5	22.5	57.5	40
TOT	7	2	3	24	40	109	185
PCT	3.8	1.1	1.6	13.0	21.6	58.9	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	25.0	32.1	42.9	28
06009	4.7	7.0	20.9	46.5	32.6	43
12015	.0	.0	16.7	45.8	37.5	24
18021	.0	8.7	26.1	34.8	39.1	23
TOT	2	5	26	48	44	118
PCT	1.7	4.2	22.0	40.7	37.3	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
70/74	.0	.0	.0	.0	.9	.0	.0	.0	1	.9
69/69	.0	.0	.0	.0	.0	1.7	4.3	1.7	9	7.8
60/64	.0	.0	.9	.0	.9	6.1	12.2	16.5	42	36.5
59/59	.0	.0	.9	2.6	10.4	10.4	12.2	10.4	54	47.0
50/54	.0	.0	.0	.0	1.7	3.5	1.7	.9	9	7.8
TOTAL	0	0	2	3	16	25	35	34	115	100.0
PCT	.0	.0	1.7	2.6	13.9	21.7	30.4	29.6		

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	.9	.0	.0	.0
.9	.0	.9	.0	1.7	.0	1.3	3.0	.0	.0
4.6	5.2	1.7	.9	3.3	4.3	4.8	10.9	.0	.9
4.1	4.6	3.7	2.8	3.3	10.0	9.3	5.7	.0	3.5
.0	.0	.0	3.5	2.6	1.1	.7	.0	.0	.0
9.6	9.8	6.3	7.2	10.9	15.4	17.0	19.6	.0	4.3

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	63	62	57	50	49	48	56.8	248
06009	69	66	63	57	50	47	45	57.0	443
12015	73	69	65	58	51	47	46	58.4	540
18021	75	69	64	58	52	50	47	58.2	397
TOT	75	68	64	58	51	48	45	57.7	1628

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	6.7	6.7	10.0	33.3	43.3	84	30
06009	.0	9.1	11.4	31.8	22.7	25.0	78	44
12015	.0	.0	22.7	22.7	27.3	27.3	79	22
18021	.0	.0	17.4	13.0	43.5	26.1	82	23
TOT	0	6	16	25	36	36	80	119

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

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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	53	57	61	65	69	TOT	% FOG	NO FOG
	52	56	60	64	68	72			
9/10	.0	.0	.0	.0	.0	.8	1	.0	.8
7/8	.0	.0	.0	.0	.8	.0	1	.0	.8
6	.0	.0	.0	1.6	.8	.0	3	.0	2.4
5	.0	.0	1.6	.8	2.4	.0	6	.0	4.8
4	.0	.0	.8	2.4	.8	.0	5	.0	4.0
3	.8	.8	.8	4.8	.8	.0	10	.8	7.2
2	.0	.8	5.6	5.6	.0	.0	15	1.6	10.4
1	.0	3.2	8.8	2.4	.8	.0	19	.0	15.2
0	.0	4.0	8.8	1.6	.0	.0	18	2.4	12.0
-1	.8	.8	4.8	.0	.8	.0	9	.0	7.2
-2	1.6	8.8	2.4	.0	.0	.0	16	.0	12.8
-3	2.4	4.8	4.8	.0	.0	.0	15	.8	11.2
-4	.8	1.6	1.6	.0	.0	.0	5	.0	4.0
-5	.0	.8	.0	.0	.0	.0	1	.0	.8
-6	.0	.8	.0	.0	.0	.0	1	.0	.8
TOTAL	8	33	50	24	9	1	125	7	118
PCT	6.4	26.4	40.0	19.2	7.2	.8	100.0	5.6	94.4

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	1.9	.0	.0	.0	.0	.0	1.9	.6	.0	.0	.0	.0	.0	.0	.6
5-6	.0	1.9	3.8	1.9	.0	.0	7.5	.0	.6	.0	.0	.0	.0	.0	.6
7	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	1.9	.0	.0	.0	.0	1.9	.0	.6	.0	.0	.0	.0	.0	.6
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	1.9	3.8	5.6	1.9	.0	.0	13.1	.6	1.3	.0	.0	.0	.0	.0	1.9

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	2.5
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0	3.0

PERIOD: (OVER-ALL) 1963-1975

NOVEMBER

AREA 0020 TRISTAN DA CUNHA GROUP
37.9E 10.4W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	4.4	.0	.0	.0	4.4	.0	.0	.0	3.1	.0	.0	.0	.0	.0	3.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0	1.3	.0	.0	.0	.0	.0	8.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	4.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6
10-11	.0	.0	.0	.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	.0	.0	.0
13-16	.0	.0	.0	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	4.4	.0	.0	.0	6.9	.0	2.5	13.1	1.3	.0	.0	.0	.0	16.9	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.5	.0	.0	.0	.0	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	2.5
5-6	.0	.0	.0	3.8	.0	.0	3.8	.0	.0	8.8	.6	.0	.0	.0	.0	.0	9.4
7	.0	1.9	8.1	.0	.0	.0	10.0	.0	8.1	3.1	.0	.0	.0	.0	.0	.0	11.3
8-9	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5
13-16	.0	.0	.0	2.5	.0	.0	2.5	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	10.0	6.3	.0	.0	20.6	.0	10.6	11.9	5.6	.0	.0	.0	.0	28.1	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	7.5	.0	.0	.0	.0	.0	7.5	
1-2	.0	2.5	2.5	.0	.0	.0	5.0	
3-4	2.5	5.0	10.0	.0	.0	.0	17.5	
5-6	.0	5.0	17.5	7.5	.0	.0	30.0	
7	.0	10.0	17.5	.0	.0	.0	27.5	
8-9	.0	.0	2.5	.0	.0	.0	2.5	
10-11	.0	2.5	.0	2.5	.0	.0	5.0	
12	.0	.0	.0	2.5	.0	.0	2.5	
13-16	.0	.0	.0	2.5	.0	.0	2.5	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.0	25.0	50.0	15.0	.0	.0	100.0	40

PERIOD: (OVER-ALL) 1949-1975

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	.0	4.0	5.0	4.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	4
6-7	.0	.0	8.9	13.9	15.8	5.9	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	6
8-9	.0	.0	1.0	3.0	4.0	2.0	4.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	8
10-11	.0	1.0	.0	.0	1.0	1.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
12-13	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
>13	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDET	3.0	.0	.0	1.0	2.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
TOTAL	3	5	15	23	25	11	9	5	5	0	0	0	0	0	0	0	0	0	0	0	101	6
PCT	3.0	5.0	14.9	22.8	24.8	10.9	8.9	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.8	.0	11.5	.0	.0	.0	.0	19.2	5.1	.0	5.1	3.8	.0	.0	66.7
NE	4.0	.0	16.0	.0	.0	.0	.0	20.0	.0	.0	4.0	.0	.0	.0	76.0
E	.0	.0	36.4	.0	.0	.0	.0	36.4	.0	.0	27.3	.0	.0	.0	36.4
SE	13.8	.0	13.8	.0	.0	.0	.0	27.6	.0	.0	.0	.0	.0	.0	72.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86.4
SW	1.3	.0	.0	.0	.0	.0	.0	1.3	10.3	.0	.0	.0	.0	.0	88.3
W	16.0	.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	84.0
NW	10.9	.0	13.8	.0	.0	.0	.0	24.6	5.8	.0	2.9	.7	.0	.0	69.9
VAR	.1	.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	.0	.0	100.0
TOT PCT	8.9	.0	7.4	.0	.0	.0	.0	15.6	5.2	.0	2.2	.7	.0	.0	76.3
TOT OBS:	135														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	9.5	.0	4.8	.0	.0	.0	.0	9.5	14.3	.0	4.8	.0	.0	.0	71.4
06009	5.5	.0	9.1	.0	.0	.0	.0	14.5	7.3	.0	1.8	.0	.0	.0	76.4
12015	7.1	.0	7.1	.0	.0	.0	.0	14.3	3.6	.0	3.6	.0	.0	.0	78.6
18021	14.7	.0	5.9	.0	.0	.0	.0	20.6	.0	.0	2.9	2.9	.0	.0	73.5
TOT PCT	8.7	.0	7.2	.0	.0	.0	.0	15.2	5.8	.0	2.9	.7	.0	.0	75.4
TOT OBS:	138														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.1	3.6	9.1	6.9	1.3	.1	21.2	19.1	20.4	18.8	22.3	23.3	20.7	20.0	19.2	21.9
NE	.1	3.2	4.2	2.8	.1	.1	10.5	16.2	10.5	6.3	8.8	11.3	10.1	14.0	12.9	10.2
E	.4	1.4	.4	.1	*	.0	2.4	8.9	2.9	.0	2.8	1.7	2.3	4.0	2.5	2.3
SE	.4	1.1	.4	.3	*	.0	2.2	10.0	1.3	1.6	1.2	1.9	2.8	4.0	3.0	2.3
S	.1	1.5	2.1	1.7	.4	.2	6.0	18.8	5.5	12.5	5.5	4.7	5.9	10.0	6.3	6.8
SW	.4	2.3	6.1	3.2	1.1	.1	13.2	18.5	14.6	15.6	11.5	12.5	14.0	14.0	13.2	12.7
W	.5	4.4	8.2	4.9	1.5	.1	19.6	18.1	20.6	20.3	20.0	21.8	18.1	12.0	20.0	19.5
NW	.2	4.8	12.2	5.9	1.1	.1	24.3	17.7	23.8	25.0	26.3	22.3	25.8	22.0	22.3	23.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.4	.0	1.5	.5	.4	.0	.5	.8
TOT OBS	50	379	725	435	92	11	1692	17.6	226	32	260	212	462	25	219	258
TOT PCT	3.0	22.4	42.8	25.7	5.4	.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	1.2	6.3	10.4	2.8	.4	21.2	19.1	20.2	22.8	20.6	20.6	
NE	1.3	3.9	4.1	1.1	.1	10.5	16.2	10.0	10.0	10.3	11.4	
E	1.0	1.0	.3	.1	.0	2.4	8.9	2.5	2.3	2.4	2.4	
SE	.9	.9	.3	*	*	2.2	10.0	1.4	1.5	2.8	2.6	
S	.7	2.1	2.3	.6	.4	6.0	18.8	6.4	5.1	6.1	6.6	
SW	1.5	3.7	5.6	2.0	.4	13.2	18.5	14.7	12.0	14.0	12.9	
W	1.9	7.1	7.2	2.7	.7	19.6	18.1	20.5	20.8	17.8	19.7	
NW	1.5	9.1	10.5	2.7	.5	24.3	17.7	23.9	24.5	23.6	23.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7					.7	.0	.4	1.1	.4	.6	
TOT OBS	181	578	687	205	41	1692	17.6	258	472	487	475	
TOT PCT	10.7	34.2	40.6	12.1	2.4	100.0		100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
38.35 10.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00&03	.4	1.9	22.1	43.0	25.2	6.2	1.2	18.0	100.0	258
06&09	1.1	2.8	23.7	39.6	26.7	5.1	1.1	17.6	100.0	472
12&15	.4	2.5	21.4	45.0	24.8	5.7	.2	17.5	100.0	487
18&21	.6	1.9	22.3	43.8	25.9	5.1	.4	17.6	100.0	475
TOT	11	39	379	725	435	92	11	17.6		1692
PCT	.7	2.3	22.4	42.8	25.7	5.4	.7	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL	MEAN
N	3.1	.9	.0	10.3		6.2
NE	4.1	.3	1.3	2.2		4.0
E	.0	.0	.0	.9		8.0
SE	1.6	.0	3.8	.0		5.2
S	.9	7.2	3.8	.0		4.1
SW	1.6	.3	8.8	5.9		6.6
W	5.0	4.7	1.3	6.3		4.5
NW	6.3	.3	5.0	14.4		5.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	18	11	19	32	80	5.4
TOT PCT	22.5	13.8	23.8	40.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	ANY HGT	TOTAL
N	2.2	.0	1.3	2.8	.6	.9	1.3	.0	.0	.0	.0	.0	5.3
NE	.6	.0	.0	1.3	.0	1.6	.0	.0	.0	.0	.0	.0	4.4
E	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	2.8
S	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	8.1
SW	.0	.0	2.5	.3	2.5	1.3	2.5	1.9	.0	.0	.0	.0	5.6
W	.0	.0	.0	2.2	1.3	.0	2.7	.6	.0	.0	.0	.0	10.9
NW	.0	.0	.0	8.4	3.1	1.3	1.6	.0	.0	.0	.0	.0	11.6
VAR	.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	.0
TOT OBS	3	0	3	12	7	8	6	2	0	0	0	0	39
TOT PCT	3.8	.0	3.8	15.0	8.8	10.0	7.5	2.5	.0	.0	.0	48.8	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	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
= OR >3500	7.5	7.5	8.8	10.0	10.0	10.0	10.0	10.0
= OR >2000	12.8	16.3	18.8	20.0	20.0	20.0	20.0	20.0
= OR >1000	17.5	23.8	27.5	28.8	28.8	28.8	28.8	28.8
= OR >600	21.3	30.0	40.0	43.8	43.8	43.8	43.8	43.8
= OR >300	22.5	32.5	43.8	47.5	47.5	47.5	47.5	47.5
= OR >150	22.5	32.5	43.8	47.5	47.5	47.5	47.5	47.5
= OR >0	22.5	33.0	46.3	50.0	50.0	50.0	51.3	51.3
TOTAL	18	28	37	40	40	40	41	41

TOTAL NUMBER OF OBS: 80

PCT FREQ NH <5/8: 48.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL
12.8	10.5	9.3	8.1	5.8	8.1	2.3	8.1	31.4	3.5	86

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	.0
	NO PCP	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
	TOT %	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.7	.7	.7	.0	.0	.0	.0	.0	.0	2.2	2.2
	NO PCP	.6	.0	.0	.0	.0	.0	.0	.9	.0	.0	1.5	1.5
	TOT %	.6	.7	.7	.7	.0	.0	.0	.9	.0	.0	3.7	3.7
2<5	PCP	1.1	.0	.0	.0	.0	.0	1.3	3.5	.0	.0	5.9	5.9
	NO PCP	.7	.0	.0	.0	2.0	.2	.7	4.4	.0	.0	8.1	8.1
	TOT %	1.9	.0	.0	.0	2.0	.7	2.0	8.0	.0	.0	14.1	14.1
5<10	PCP	1.7	.2	.0	.7	.0	.2	1.9	2.8	.0	.0	7.4	7.4
	NO PCP	1.5	.4	.6	.0	4.3	4.3	4.6	2.2	.0	.0	17.8	17.8
	TOT %	3.1	.6	.6	.7	4.3	4.4	6.5	5.0	.0	.0	25.2	25.2
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	8.1	3.3	.7	3.9	4.6	9.8	11.1	11.7	.0	3.0	56.3	56.3
	TOT %	8.1	3.3	.7	3.9	4.6	9.8	11.1	11.7	.0	3.0	56.3	56.3
TOT OBS													135
TOT PCT		14.4	4.6	2.0	5.4	10.9	14.4	19.6	25.6	.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	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	1.3	.6	.0	.0	.0	.6	.0	.0	2.6	2.6
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.5	.6	.0	.0	.0	.0	.0	.2	.0	.0	1.3	1.3
	TOT %	.5	.6	1.3	.6	.0	.0	.0	.8	.0	.0	3.9	3.9
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.0	.0	.6	.0	.0	.0	.0	2.3	.0	.0	3.9	3.9
	11-21	.6	.0	.0	.0	.0	.0	1.8	2.1	.0	.0	4.5	4.5
	22+	.6	.0	.0	.0	1.8	.2	.0	3.9	.0	.0	6.5	6.5
	TOT %	2.2	.0	.6	.0	1.8	.2	1.8	8.3	.0	.0	14.9	14.9
5<10	0-3	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.6	.6
	4-10	1.3	.5	.5	.0	1.3	1.0	3.2	3.1	.0	.0	11.0	11.0
	11-21	.0	.0	.0	.6	1.1	2.9	2.3	.2	.0	.0	7.1	7.1
	22+	1.0	.0	.0	.0	1.3	1.6	1.5	1.1	.0	.0	6.5	6.5
	TOT %	2.6	.5	.5	.6	3.7	5.5	7.0	4.7	.0	.0	25.3	25.3
10+	0-3	.6	.0	.6	.0	.0	.6	.6	.0	.0	2.6	5.2	5.2
	4-10	3.9	1.3	.0	1.9	1.6	2.1	6.0	6.5	.0	.0	23.4	23.4
	11-21	2.4	1.6	.0	1.3	.6	4.2	4.2	9.7	.0	.0	20.1	20.1
	22+	.5	.0	.0	.2	1.8	2.6	.5	1.0	.0	.0	6.5	6.5
	TOT %	7.5	2.9	.6	3.4	4.1	9.6	11.4	13.1	.0	2.6	55.2	55.2
TOT OBS													154
TOT PCT		13.6	4.1	3.1	4.7	9.6	13.3	20.1	26.9	.0	2.6	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA GUNHA GROUP
38.35 10.2W

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	12.5	6.3	12.5	12.5	6.3	6.3	.0	.0	56.3	43.8	16
06209	4.8	.0	.0	5.5	14.3	9.5	4.8	.0	.0	.0	42.9	57.1	21
12215	4.5	.0	.0	18.2	9.1	9.1	9.1	4.5	.0	.0	54.5	45.5	22
18221	4.5	.0	4.5	22.7	.0	5.1	9.1	.0	.0	.0	50.0	50.0	22
TOT	3	0	3	12	7	8	6	2	0	0	41	40	81
PCT	3.7	.0	3.7	14.8	8.6	9.9	7.4	2.5	.0	.0	50.6	49.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00203	3.8	.0	.0	11.5	26.9	57.7	26
06209	.0	.0	5.1	10.2	33.9	50.8	59
12215	3.0	.0	6.1	24.2	15.2	51.5	33
18221	.0	.0	5.1	15.4	20.5	59.0	39
TOT	2	0	7	23	40	85	157
PCT	1.3	.0	4.5	14.6	25.5	54.1	100.0

TABLE 12

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

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00203	.0	12.5	25.0	31.3	43.8	16
06209	5.0	5.0	35.0	20.0	45.0	20
12215	4.5	4.5	36.4	31.8	31.8	22
18221	4.5	9.1	45.5	13.6	40.9	22
TOT	3	6	29	19	32	80
PCT	3.8	7.5	36.3	23.8	40.0	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
70/74	.0	.0	.0	.0	1.3	.0	.0	.0	1	1.3
65/69	.0	.0	.0	1.3	3.8	5.1	1.3	.0	9	11.5
60/64	.0	.0	.0	2.6	3.8	5.1	11.5	.0	18	23.1
55/59	.0	.0	3.8	7.7	5.1	3.8	16.7	.0	29	37.2
50/54	.0	.0	1.3	6.4	6.4	3.8	7.7	.0	20	25.6
45/49	.0	.0	.0	1.3	.0	.0	.0	.0	1	1.3
TOTAL	0	0	4	15	16	14	29	0	78	100.0
PCT	.0	.0	5.1	19.2	20.5	17.9	37.2			

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0
65/69	1.9	1.6	.0	.0	.0	1.3	1.0	5.8	.0	.0
60/64	8.7	1.6	1.7	.0	.0	1.9	3.2	7.7	.0	.0
55/59	3.2	1.3	.0	6.4	.0	6.4	7.4	12.5	.0	.0
50/54	1.0	1.6	.0	1.3	11.9	5.8	3.2	1.9	.0	.0
45/49	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0
TOTAL	14.7	5.1	1.0	6.7	14.4	15.4	14.7	27.9	.0	.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
00203	69	67	65	58	50	48	46	57.8	245
06209	68	67	66	59	53	50	47	58.8	463
12215	73	70	68	60	54	50	49	60.5	479
18221	71	68	66	60	53	49	47	59.8	458
TOT	73	69	66	59	53	49	46	59.4	1645

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
00203	.0	.0	35.3	5.9	11.8	47.1	80	1		
06209	.0	4.5	4.5	40.9	9.1	40.9	83	22		
12215	.0	9.5	19.0	4.8	23.8	42.9	83	21		
18221	.0	5.3	21.1	26.3	26.3	21.1	78	19		
TOT	0	4	15	16	14	30	81	79		

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
98.55 10.24

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	TOT	% FOG	#D FOG
7/8	.0	.0	.0	2.1	.0	1.1	3	.0	3.2
6	.0	.0	.0	2.1	1.1	.0	3	.0	3.2
5	.0	.0	.0	.0	1.1	.0	1	.0	1.1
4	.0	1.1	1.1	.0	1.1	1.1	4	.0	4.2
3	.0	1.1	4.2	4.2	1.1	.0	10	2.1	8.4
2	.0	2.1	5.3	5.2	4.2	.0	14	1.1	13.7
1	2.1	2.1	3.2	1.1	.0	.0	8	.0	8.4
0	1.1	5.3	1.1	4.2	.0	.0	11	1.1	10.5
-1	3.2	3.2	6.3	.0	.0	.0	12	.0	12.6
-2	1.1	3.2	.0	1.1	.0	.0	5	.0	3.3
-3	.0	.0	2.1	2.1	1.1	.0	5	.0	3.3
-4	.0	5.3	1.1	.0	.0	.0	6	.0	6.3
-5	.0	3.2	.0	.0	.0	.0	3	.0	3.2
-7/-8	4.2	.0	.0	.0	.0	.0	4	.0	4.2
-9/-10	4.2	.0	.0	.0	.0	.0	4	.0	4.2
-11/-13	.0	1.1	.0	.0	.0	.0	1	.0	1.1
-14/-16	.0	1.1	.0	.0	.0	.0	1	.0	1.1
TOTAL	13	27	23	19	9	2	95	4	91
PCT	15.8	28.4	24.2	20.0	9.5	2.1	100.0	4.2	99.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.6	.0	.0	.0	.0	4.6	.0	2.5	.0	.0	.0	.0	.0	2.5
3-4	.0	1.1	1.4	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4
7	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	1.4	.0	.0	.0	.0	1.8
8-9	.0	.0	1.4	1.1	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	1.4	1.4	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	7.1	5.4	2.5	.0	.0	15.0	.0	3.9	4	1.4	.0	.0	.0	5.7

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.1	.0	.0	.0	.0	1.1	.0	2.9	2.9	.0	.0	.0	.0	5.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	1.1	.0	.0	.0	.0	1.1	.0	2.9	2.9	.0	.0	.0	.0	5.7

PERIOD: (OVER-ALL) 1963-1975

DECEMBER

AREA 0020 TRISTAN DA CUNHA GROUP
38.85 10.2M

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	2.5	1.4	.0	.0	.0	3.9	.0	2.1	4.3	.0	.0	.0	6.4
5-6	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	1.8	4.3	.0	.0	6.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	1.8	.0	.0	1.8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	1.4
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.4	.0	.0	.4
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	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	2.5	1.1	.0	.0	8.9	.0	2.1	7.9	7.9	.4	.0	18.2

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	1.4	.0	.0	.0	3.9	.0	5.0	1.4	.0	.0	.0	6.4	.0
3-4	.0	1.1	2.5	.0	.0	.0	3.6	.0	.4	1.8	.0	.0	.0	2.1	.0
5-6	.0	.0	5.4	.0	.0	.0	5.4	.0	1.4	3.2	1.4	.0	.0	6.1	.0
7	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	2.9	.0	.0	2.9	.0
8-9	.0	.0	1.4	.0	.0	.0	1.4	.0	1.4	.0	4.6	.0	.0	6.1	.0
10-11	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.4	.0	.0	.4	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	1.4	.0
17-19	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.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	1.4	.0	.0	.0	1.4	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	11.8	2.1	1.1	.0	18.6	.0	8.2	7.9	10.7	.0	.0	26.8	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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	20.0	7.1	.0	.0	.0	.0	27.1
3-4	.0	7.1	11.4	.0	.0	.0	.0	18.6
5-6	.0	2.9	11.4	5.7	.0	.0	.0	20.0
7	.0	.0	2.9	4.3	.0	.0	.0	7.1
8-9	.0	1.4	2.9	8.6	.0	.0	.0	12.9
10-11	.0	.0	1.4	2.9	.0	.0	.0	4.3
12	.0	.0	.0	2.9	.0	.0	.0	2.9
13-16	.0	1.4	.0	1.4	.0	.0	.0	2.9
17-19	.0	1.4	.0	.0	1.4	.0	.0	2.9
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	1.4	.0	.0	.0	.0	1.4
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	.0	34.3	38.6	25.7	1.4	.0	100.0	70

PERIOD: (OVER-ALL) 1950-1975

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	
4-6	.0	2.4	9.5	6.0	3.6	1.2	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	5
6-7	.0	.0	1.2	4.8	6.0	.0	.0	2.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	7
8-9	.0	1.2	.0	3.6	8.3	8.3	2.4	3.6	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	8
10-11	.0	.0	.0	.0	2.4	2.4	2.4	1.2	3.6	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	11	11
12-13	.0	.0	.0	.0	1.2	.0	1.2	1.2	.0	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	6	15
13	.0	.0	.0	.0	.0	.0	.0	2.4	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	17
INDFT	.0	.0	.0	.0	2.4	.0	1.2	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	12
TOTAL	.0	3	9	12	20	10	6	8	9	3	1	3	0	0	0	0	0	0	0	0	84	9
PCT	.0	3.6	10.7	14.3	23.8	11.9	7.1	9.5	10.7	3.6	1.2	3.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGD WD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	13.2	1.5	7.6	.0	.0	.0	.3	22.1	1.5	.0	4.4	.5	.6	.0	70.9
NE	7.8	2.9	6.3	.0	.0	.0	2.4	19.5	2.1	.0	3.8	.0	.0	.0	74.6
E	7.2	4.4	6.8	.0	.0	.0	.0	18.5	2.6	.0	3.2	.0	.0	.0	75.7
SE	5.3	1.3	9.7	.0	.0	.0	.0	16.3	.3	.0	.4	.0	.0	.0	74.7
S	3.5	1.0	5.3	.0	.0	.0	1.0	10.8	5.6	.0	.0	.0	1.1	.0	82.4
SW	5.2	2.3	6.5	.0	.0	.0	.0	13.5	1.8	.0	.2	.2	.8	.0	83.5
W	6.4	1.9	4.5	.0	.0	.0	.4	13.1	3.4	.4	.6	.0	.2	.0	82.5
NW	12.3	3.8	6.3	.0	.0	.0	.0	22.4	4.0	.3	3.6	.1	.3	.0	69.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9	.0	8.3	.0	.0	.0	.0	10.2	1.7	.0	.0	.0	.0	.0	88.1
TOT PCT	8.2	2.4	6.4	.0	.0	.0	.3	17.2	2.9	.2	1.9	.2	.5	.0	77.3
TOT OBS:	1845														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGD WD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	9.5	2.3	9.1	.0	.0	.0	.3	20.8	5.2	.2	2.1	.2	.0	.0	71.6
0600	9.3	3.8	5.2	.0	.0	.0	.6	18.8	3.2	.2	1.7	.0	.3	.0	75.8
1200	7.0	1.9	6.0	.0	.0	.0	.3	15.0	2.4	.2	1.3	.1	.6	.0	80.4
1800	7.2	1.6	5.5	.0	.0	.0	.3	14.7	1.8	.0	2.6	.2	1.0	.0	79.7
TOT PCT	8.3	2.4	6.4	.0	.0	.0	.4	17.4	3.0	.2	1.9	.1	.5	.0	77.0
TOT OBS:	1952														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.4	2.5	7.5	6.0	1.5	.2	18.0	20.3	18.8	19.2	17.4	17.9	17.9	20.9	17.5	18.5
NE	.3	2.3	4.9	3.0	.6	.1	11.2	18.2	11.0	11.9	11.2	11.8	10.5	11.2	10.8	12.3
E	.3	1.4	1.5	.7	.2	*	4.2	14.8	4.6	9.9	4.1	4.5	3.8	2.5	4.3	4.3
SE	.4	1.2	1.3	.6	.3	.1	3.7	15.6	3.3	3.8	3.2	3.3	4.5	2.4	3.6	3.7
S	.3	2.0	3.6	1.9	.6	.2	7.9	18.4	7.5	7.6	8.4	7.9	8.3	5.9	8.1	7.4
SW	.3	2.6	5.0	4.3	1.1	.1	13.4	19.6	13.4	14.1	12.9	12.8	13.5	13.5	13.3	14.0
W	.4	3.6	7.4	4.6	1.7	.3	17.9	19.2	17.9	17.4	18.9	17.6	18.0	19.9	18.2	16.5
NW	.4	4.2	9.3	6.2	1.9	.3	22.5	19.4	21.9	21.1	22.4	23.2	22.4	23.1	23.2	21.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2	.0	.0	.0	.0	.0	1.2	.0	1.7	.9	1.6	.9	1.0	.6	.9	1.3
TOT OBS							14134		2020	239	2277	1656	1925	181	1818	2018
TOT PCT	3.9	19.7	39.9	27.3	7.7	1.5	100.0	18.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	1.2	4.6	8.3	3.3	.7	18.0	20.3	18.9	17.6	18.0	18.0
NE	1.1	3.6	4.5	1.6	.3	11.2	18.2	11.1	11.4	10.6	11.6
E	.8	1.7	1.2	.3	.1	4.2	14.8	4.5	4.2	3.8	4.3
SE	.9	1.4	.9	.3	.2	3.7	15.6	3.4	3.2	4.4	3.6
S	1.0	2.7	2.7	1.1	.4	7.9	18.4	7.5	8.2	8.2	7.7
SW	1.2	3.9	5.4	2.6	.4	13.4	19.6	13.4	12.8	13.5	13.7
W	1.6	5.9	8.6	2.9	1.0	17.9	19.2	17.8	18.4	18.1	17.3
NW	1.7	7.1	9.0	3.7	1.0	22.5	19.4	21.8	22.7	22.4	22.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2	.0	.0	.0	.0	1.2	.0	1.6	1.3	1.0	1.1
TOT OBS						14134		2259	3933	4106	3836
TOT PCT	10.3	30.9	38.6	15.8	3.9	100.0	18.8	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1860-1976
(OVER-ALL) 1854-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	1.6	2.7	19.2	40.5	26.3	8.7	1.6	18.8	100.0	2259
06009	1.3	2.5	20.4	39.0	26.8	8.4	1.6	18.9	100.0	3933
12015	1.0	2.7	19.6	40.1	27.8	7.5	1.4	18.8	100.0	4106
18021	1.1	2.7	19.4	40.3	27.9	7.1	1.4	18.8	100.0	3836
TOT								18.8		14134
PCT	1.2	2.6	19.7	39.9	27.3	7.7	1.5	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	1.3	.8	1.4	2.5		5.4
E	.5	.3	1.1	2.1		5.3
SE	.8	.2	1.7	1.7		5.3
S	.6	1.9	3.6	2.3		5.7
SW	2.7	3.0	6.7	3.8		5.3
W	3.9	4.0	8.2	6.7		5.3
NW	2.8	2.0	5.0	10.7		6.1
VAR	.0	.0	.0	.0		.0
CALM	1.2	.4	.7	1.2		4.1
TOT OBS					1217	5.7
TOT PCT	16.2	14.2	31.3	38.4	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.6	.0	.8	2.4	3.3	.8	.4	.0	.0	.1	5.7	
NE	.2	.0	.3	.6	1.2	.6	.3	.0	.0	*	2.8	
E	.2	.0	.2	.5	1.0	.4	.2	.2	.0	.1	1.3	
SE	.2	.0	.1	.7	1.1	.7	.1	.2	.0	.0	1.4	
S	.1	.0	.2	.6	2.5	.9	.5	.2	.0	.0	3.5	
SW	.2	.0	.3	1.8	3.5	1.1	.8	.4	.0	.1	7.9	
W	.1	.0	.7	3.2	4.2	2.6	.8	.2	.3	.1	10.8	
NW	.5	.1	.6	4.4	4.9	1.4	.6	*	*	.2	7.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.1	.4	.5	.5	*	.0	.0	*	1.9	
TOT OBS												1217
TOT PCT	2.1	.1	3.3	14.4	22.1	9.0	3.8	1.2	.3	.5	43.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.6	.8	.8	.8	.8	.8	.8	.8
>3000	1.5	1.9	2.0	2.0	2.0	2.0	2.0	2.0
>2500	4.3	5.4	5.7	5.8	5.8	5.8	5.9	5.9
>2000	11.1	13.9	14.5	14.6	14.6	14.6	14.7	14.7
>1000	27.0	34.2	36.4	36.6	36.6	36.6	36.6	36.6
>600	33.3	45.0	49.7	50.6	51.0	51.1	51.2	51.2
>300	33.8	46.4	52.1	53.4	54.0	54.4	54.5	54.5
>150	33.8	46.5	52.2	53.5	54.1	54.5	54.6	54.6
>0	33.8	47.1	53.3	54.9	55.5	56.1	56.6	56.7

TOTAL NUMBER OF OBS: 1273

PCT FREQ NH <5/8: 43.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.2	8.6	9.9	9.5	9.0	6.3	14.2	8.1	26.8	1.3	1371

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	.1	.1	.0	.0	.0	.0	.0	.2	.0	.0	.3	
	NO PCP	.1	.0	.1	*	.0	*	.0	.3	.0	.0	.4	
	TOT %	.3	.1	.1	*	.0	*	.0	.5	.0	.0	.9	
1/2<1	PCP	.1	*	.0	.0	.1	.1	.1	.5	.0	.0	1.0	
	NO PCP	.2	*	.0	.0	.0	.0	.1	.1	.0	.0	.3	
	TOT %	.3	*	.0	.0	.1	.1	.2	.5	.0	.0	1.3	
1<2	PCP	.5	.2	.1	.2	*	.2	.1	.4	.0	.0	1.6	
	NO PCP	.1	.1	.0	.0	.1	*	.2	.3	.0	.0	.8	
	TOT %	.6	.3	.1	.2	.1	.2	.2	.7	.0	.0	2.4	
2<5	PCP	.7	.3	.2	.1	.3	.2	.7	1.2	.0	.2	3.4	
	NO PCP	.6	*	.2	.1	.3	.1	.9	1.4	.0	.0	3.6	
	TOT %	1.3	.3	.4	.3	.5	.3	1.6	2.6	.0	.2	7.4	
5<10	PCP	1.3	.4	.2	.4	.4	.6	1.7	1.9	.0	.1	7.0	
	NO PCP	2.9	.7	.9	.6	1.9	4.2	4.7	5.2	.0	.3	21.4	
	TOT %	4.2	1.1	1.1	1.0	2.3	4.8	6.4	7.1	.0	.4	28.4	
10+	PCP	.4	.1	.1	.1	.1	1.1	.5	.9	.0	.0	3.4	
	NO PCP	7.2	3.5	2.3	2.2	5.7	9.3	13.9	9.6	.0	2.4	56.2	
	TOT %	7.6	3.7	2.4	2.4	5.8	10.4	14.4	10.5	.0	2.4	59.6	
TOT OBS												1839	
TOT PCT	14.2	5.5	4.0	3.8	8.9	15.9	22.8	21.9	.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	.0	.0	.0	.0	.0
	4-10	.0	.0	.1	*	.0	.0	.0	.1	.0	.0	.2	
	11-21	.2	.0	.0	.0	.0	*	.1	.2	.0	.0	.4	
	22+	.2	*	.0	.0	.0	.0	.0	.3	.0	.0	.5	
	TOT %	.3	*	.1	*	.0	*	.1	.6	.0	.0	1.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.1	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
	11-21	.1	.0	.0	.0	.1	.0	.2	.3	.0	.0	.6	
	22+	.1	*	.0	.0	*	.1	*	.2	.0	.0	.6	
	TOT %	.3	*	.0	.0	.1	.1	.2	.5	.0	.0	1.3	
1<2	0-3	*	*	.0	.0	.0	.1	.0	.0	.0	.0	.1	
	4-10	.1	.0	.1	.1	.0	.1	.1	.2	.0	.0	.6	
	11-21	.2	.1	.0	.0	.1	.1	.1	*	.0	.0	.6	
	22+	.4	.1	.0	.1	*	.1	.1	.4	.0	.0	1.2	
	TOT %	.6	.3	.1	.2	.1	.3	.4	.6	.0	.0	2.6	
2<5	0-3	*	.0	.0	.0	.1	.0	.0	*	.0	.2	.3	
	4-10	.2	*	.1	.0	*	.2	.8	.0	.0	.0	2.1	
	11-21	.4	.2	.1	.1	.1	.2	.4	.8	.0	.0	2.3	
	22+	.7	*	.2	.2	.3	.3	.5	1.2	.0	.0	3.4	
	TOT %	1.4	.3	.4	.2	.6	.7	1.7	2.8	.0	.2	8.2	
5<10	0-3	.1	.0	.1	.0	.0	*	.2	.2	.0	.3	.9	
	4-10	.7	.4	.3	.3	1.1	1.2	2.2	1.5	.0	.0	7.5	
	11-21	2.0	.3	.3	.4	.8	1.5	2.3	3.1	.0	.0	10.9	
	22+	1.3	.3	.3	.3	.3	2.3	1.8	2.4	.0	.0	9.1	
	TOT %	4.0	1.0	1.0	1.0	2.2	5.1	6.6	7.1	.0	.3	28.4	
10+	0-3	.4	.1	.3	.1	.1	.3	.2	.2	.0	2.4	4.2	
	4-10	2.7	1.8	.8	.9	2.5	3.1	4.6	4.1	.0	.0	20.5	
	11-21	3.3	1.6	.9	1.1	2.2	3.7	6.0	4.4	.0	.0	23.2	
	22+	.9	.1	.2	.2	1.0	3.1	3.1	1.8	.0	.0	10.5	
	TOT %	7.4	3.5	2.3	2.3	5.8	10.3	14.0	10.5	.0	2.4	58.4	
TOT OBS												1921	
TOT PCT	14.0	5.3	3.9	3.6	8.8	16.5	22.9	22.2	.0	3.0	100.0		

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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	1.6	.0	3.6	16.5	22.0	7.7	3.2	1.7	.2	.9	57.3	42.7	294
06009	3.9	.0	1.7	13.8	20.9	7.9	4.3	1.2	.2	.8	54.7	45.3	365
12015	1.0	.4	3.8	14.0	21.5	10.5	3.6	1.3	.6	.2	56.7	43.3	342
18021	1.4	.0	3.9	12.8	20.1	7.5	4.4	1.2	.0	.2	51.4	48.6	313
TOT													1314
PCT	2.1	.1	3.1	14.0	21.1	8.5	3.8	1.2	.3	.5	54.8	45.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.2	.3	2.3	8.2	28.7	59.3	398
06009	1.1	1.1	2.6	10.0	31.4	53.8	636
12015	1.5	1.2	2.9	7.1	23.0	64.3	469
18021	1.0	2.0	2.5	7.5	29.9	57.1	530
TOT							2033
PCT	1.2	1.2	2.6	8.4	28.7	57.9	100.0

TABLE 12

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

HR (GMT)	<150 <300D	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	1.3	4.9	25.3	33.8	40.9	289
06009	4.0	6.2	24.7	33.9	41.4	347
12015	1.0	6.1	23.4	36.8	39.9	336
18021	1.5	6.5	23.3	32.3	44.4	301
TOT						1273
PCT	2.1	6.0	24.1	34.2	41.7	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
70/74	.0	.0	.0	.0	.3	.2	.4	.6	1.4	
65/69	.0	.1	.0	.1	.9	2.2	3.8	3.3	10.4	
60/64	.0	.0	.1	.8	2.8	3.9	8.6	7.9	24.2	
55/59	.0	.0	.1	1.5	4.6	6.4	10.2	10.6	33.3	
50/54	.0	.0	.0	.8	3.3	5.2	7.2	4.5	21.0	
45/49	.0	.0	.0	.0	.9	3.7	2.2	1.6	8.4	
40/44	.0	.0	.0	.3	.0	.6	.3	.1	1.3	
TOTAL									1333	100.0
PCT	.0	.1	.2	3.5	12.9	22.2	32.6	28.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.2	.1	.0	.0	.1	.0	.4	.7	.0	.0
65/69	2.7	.3	1.1	.1	.4	.8	2.1	2.7	.0	.1
60/64	5.3	1.8	1.2	.5	1.2	3.2	5.2	5.4	.0	.4
55/59	4.2	1.5	1.0	2.2	1.3	4.7	7.2	10.1	.0	1.1
50/54	2.1	.8	.6	.9	2.9	4.2	5.5	3.3	.0	.4
45/49	.4	.4	.4	.6	2.2	2.4	1.2	.4	.0	.5
40/44	.1	.1	.0	.0	.1	.6	.2	.0	.0	.3
TOTAL	14.9	5.1	4.3	4.4	8.3	16.0	21.7	22.6	.0	2.8

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	74	66	64	57	49	47	43	57.0	2150
06009	75	67	64	58	50	46	40	57.4	3812
12015	78	69	66	59	51	48	37	59.0	4043
18021	76	68	65	58	51	47	39	58.3	3687
TOT	78	68	65	58	51	47	37	58.0	13692

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	4.6	12.2	16.8	32.8	33.6	83	330		
06009	.0	2.3	9.8	25.4	28.8	33.4	83	414		
12015	.0	4.5	14.7	20.0	33.3	22.5	80	330		
18021	.0	3.6	13.7	24.2	33.7	24.8	81	343		
TOT	0	48	193	309	464	423	82	1437		

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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	41 44	45 48	49 52	53 56	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.3	.1	.0	4	.0	.3
9/10	.0	.0	.0	.0	.0	.2	.1	.1	.0	8	.0	.5
7/8	.0	.0	.0	.0	.6	.4	.3	.4	.0	22	.0	1.7
6	.0	.0	.0	.0	.3	.6	.5	.0	.0	23	.0	1.4
5	.0	.0	.0	.2	1.1	.8	1.2	.2	.1	52	.2	3.3
4	.0	.0	.0	.4	2.2	1.7	1.6	.4	.0	96	.1	6.2
3	.0	.0	.1	1.5	2.4	1.9	.7	.2	.0	100	.2	6.6
2	.0	.1	.2	2.0	3.6	3.4	1.5	.9	.0	162	.4	11.2
1	.0	.0	.8	3.5	3.8	2.3	.4	.2	.0	161	.2	10.7
0	.1	.2	1.5	3.5	3.8	2.5	.6	.3	.0	194	.5	12.0
-1	.0	.1	2.2	2.7	3.5	1.0	.7	.0	.0	152	.1	10.2
-2	.2	.6	1.9	2.6	2.3	.8	.5	.1	.0	129	.*	8.8
-3	.0	.3	2.4	1.2	2.0	.8	.3	.0	.0	106	.1	6.9
-4	.0	1.0	1.8	1.3	.9	.4	.1	.0	.0	80	.1	5.6
-5	.0	1.1	1.3	.8	.4	.2	.0	.0	.0	55	.0	3.8
-6	.3	.4	.3	.3	.6	.2	.0	.1	.0	30	.0	2.2
-7/-8	.5	1.3	.9	.1	.8	.1	.0	.0	.0	52	.6	3.8
-9/-10	.5	.4	.4	.2	.2	.3	.0	.0	.0	22	.6	1.9
-11/-13	.0	.2	.1	.2	.1	.0	.0	.0	.0	9	.0	.6
-14/-16	.0	.0	.0	.2	.1	.0	.0	.0	.0	3	.0	.3
TOTAL										1458		
PCT	1.6	5.7	13.9	20.7	28.6	17.5	8.8	3.0	.1	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N							NE						
	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	.4	.1	.0	.0	.0	.4	.0	.1	*	.0	.0	.0	.1
1-2	.1	2.5	1.1	.0	.0	.0	3.6	.0	1.5	.5	.0	.0	.0	2.0
3-4	.3	1.3	2.9	.3	.0	.0	4.7	.1	.5	.8	.0	.0	.0	1.4
5-6	.0	.4	3.6	1.2	.1	.0	5.4	.0	.2	.7	*	.0	.0	1.0
7	.0	.0	.7	.5	.1	.0	1.3	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.1	.4	.0	.0	.5	.0	.0	.0	*	.0	.0	*
10-11	.0	.3	.1	.2	.1	.2	.9	.0	.1	.0	.2	*	.0	.3
12	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.2	*	.0	.2
13-16	.0	.1	.0	.2	.2	.0	.5	.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	.3	4.9	6.6	2.8	.6	.2	17.4	.1	2.3	3.1	.6	.1	.0	5.2

HGT	E							SE						
	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	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.6	.5	.0	.0	.0	1.1	.0	.7	.0	.0	.0	.0	1.5
3-4	.0	.2	.3	.4	.0	.0	.9	.0	.0	.2	.2	.0	.0	.4
5-6	.0	.1	.2	.1	.0	.0	.4	.0	.0	.3	.2	.0	.0	.5
7	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.1	.0	.0	.2	.0	.0	.2	.1	.2	.0	.5
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.5	.0	.5
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	.0	.9	1.3	1.1	.0	.0	3.3	.0	.8	1.6	.5	.7	.0	3.6

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.7	.0	.0	.0	.0	.7	.3	1.0	.2	.0	.0	.0	1.5
1-2	.0	1.4	.9	.0	.0	.0	2.3	.2	3.2	1.9	.0	.0	.0	5.3
3-4	.0	.6	1.3	.1	.0	.0	2.0	.0	1.1	1.6	.5	.0	.0	3.1
5-6	.0	.1	.2	.3	.0	.0	.5	.0	.8	1.3	.6	.1	.0	2.9
7	.0	.0	.1	.1	.0	.0	.1	.0	.1	1.4	.1	.0	.0	1.6
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.2	.3	.1	.0	.6
10-11	.0	.1	.0	.1	.0	.0	.2	.0	.0	.0	.8	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8
13-16	.0	.0	.0	.2	.0	.0	.2	.0	.6	.0	.0	.0	.0	.6
17-19	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.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	.0	3.0	2.3	.9	.0	.0	6.2	.5	6.8	6.7	3.1	.2	.0	17.3

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	2.4	.2	.0	.0	.0	2.6	.0	.4	.0	.0	.0	.0	.4
1-2	.0	2.2	2.5	.0	.0	.0	4.7	.0	1.8	1.6	.0	.0	.0	3.4
3-4	.1	1.1	1.8	.4	.0	.0	3.3	.3	2.0	2.1	1.1	.0	.0	5.5
5-6	.1	.8	3.4	1.1	.2	.0	5.6	.*	.5	4.8	.7	.1	.0	6.1
7	.0	.4	2.2	.3	.1	.0	3.1	.0	.8	1.7	.9	.*	.0	3.4
8-9	.0	.1	.8	.6	.1	.0	1.5	.0	.1	.2	.9	.0	.0	1.2
10-11	.0	.0	.2	.2	.0	.0	.5	.0	.*	.1	.2	.0	.0	.4
12	.0	.0	.0	.2	.1	.0	.3	.0	.0	.0	.3	.*	.0	.3
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.5	.0	.0	.5
17-19	.0	.0	.0	.0	.1	.0	.1	.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	.1	.0	.0	.0	.1
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	6.9	11.1	3.2	.6	.0	21.9	.3	5.7	10.7	4.6	.1	.0	21.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.3	5.1	.5	.0	.0	.0	9.9	
1-2	.4	13.8	9.8	.0	.0	.0	24.0	
3-4	.7	6.7	10.9	2.8	.0	.0	21.1	
5-6	.1	2.9	14.4	4.2	.6	.0	22.2	
7	.0	1.3	6.1	2.2	.2	.0	9.8	
8-9	.0	.2	1.4	2.5	.2	.0	4.3	
10-11	.0	.5	.8	2.0	.3	.2	3.8	
12	.0	.0	.0	1.5	.7	.0	2.2	
13-16	.0	.8	.0	1.3	.2	.0	2.3	
17-19	.0	.1	.0	.0	.1	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.1	.0	.0	.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	5.5	31.4	44.0	16.6	2.2	.2	100.0	702

PERIOD: (OVER-ALL) 1952-1975

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	6.3	8.5	4.8	2.9	1.6	.4	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	5	
6-7	.0	1.3	3.4	7.8	6.8	2.8	2.2	1.1	.9	.1	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	299	7
8-9	.0	.6	1.2	3.4	3.3	3.3	1.9	1.6	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	160	8
10-11	.0	.6	.4	1.1	.8	.8	1.4	.9	1.4	.8	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	72	10
12-13	.0	.0	.3	.7	.4	.5	.6	.5	1.0	.3	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	10
13	.0	.0	.0	.6	.8	1.0	.2	.2	.3	.2	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	11
INDET	2.0	.8	1.2	2.3	2.5	.9	.7	.4	.6	.9	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	119	6
TOTAL PCT	2.9	9.5	15.0	19.6	17.6	10.8	7.4	5.4	5.5	2.9	1.3	1.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	991	7

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

SEA TMP DEC 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	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.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	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
73/74	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	*
71/72	.7	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	.2
69/70	1.4	3.9	1.6	.3	.7	.1	.1	.0	.0	.0	.0	.1	74	.6
67/68	4.0	8.7	5.6	1.4	.5	.1	.1	.1	.4	.1	.1	.1	190	1.5
65/66	6.1	10.0	12.0	3.3	1.3	.3	.3	.1	.2	.1	.0	1.5	318	2.6
63/64	12.7	17.1	19.0	15.3	6.8	1.4	.5	.3	.1	.2	1.9	5.6	754	6.1
61/62	16.5	14.3	15.3	19.6	15.4	5.7	.8	.3	.1	.4	7.2	10.7	1074	8.7
59/60	21.0	17.6	16.9	20.0	23.4	15.5	4.1	2.6	2.8	5.0	15.7	16.6	1693	13.8
57/58	15.2	19.5	13.4	14.8	18.9	17.1	13.6	10.3	12.7	17.4	17.8	25.7	2054	16.7
55/56	12.4	8.3	11.7	17.3	21.2	22.0	27.9	25.0	28.7	26.1	29.0	22.8	2593	21.1
53/54	7.9	2.5	3.7	6.2	8.0	22.9	26.1	26.9	24.8	24.1	16.2	12.1	1878	15.3
51/52	1.8	.2	.5	1.0	3.0	11.7	17.7	24.5	18.1	18.5	10.6	3.5	1136	9.2
49/50	.2	.1	.0	.6	.7	1.7	7.0	8.9	9.5	6.8	4.6	1.2	418	3.4
47/48	.0	.0	.0	.1	.3	1.0	1.7	.9	1.8	1.2	.6	.1	76	.6
45/46	.0	.0	.0	.0	.3	.3	.0	.1	.7	.1	.3	.1	16	.1
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	2	*
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
227	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL MEAN	1221 59.4	853 61.5	732 60.9	694 59.3	1061 58.2	972 55.7	858 54.3	925 53.7	834 53.9	1139 54.3	1529 55.9	1489 57.4	12307 57.0	100.0

TABLE 21
PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL DAYS
JAN	1016	1014	1015	1016	1016	1013	1016	1015	1016	304
FEB	1017	1020	1017	1016	1016	1010	1017	1016	1016	352
MAR	1017	1014	1016	1019	1016	1018	1016	1018	1017	228
APR	1014	1019	1013	1013	1016	1011	1012	1014	1014	299
MAY	1016	1019	1015	1014	1016	1009	1015	1012	1015	460
JUN	1018	1019	1017	1016	1016	1016	1018	1019	1017	248
JUL	1018	1016	1018	1022	1020	1012	1017	1019	1019	158
AUG	1017	1004	1021	1018	1019	1020	1017	1019	1019	207
SEP	1016	1016	1018	1019	1018	1015	1018	1020	1018	306
OCT	1020	1012	1019	1020	1018	1017	1018	1020	1019	450
NOV	1016	1008	1015	1015	1015	1017	1015	1015	1015	470
DEC	1015	1012	1016	1015	1016	1020	1017	1013	1016	357
ANN	1017	1014	1017	1017	1017	1014	1017	1017	1017	3839
DBS	581	32	701	290	1268	51	631	285		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	995	1000	1004	1013	1017	1020	1025	1030	1033
FEB	988	990	1005	1012	1018	1021	1025	1028	1032
MAR	985	988	1001	1012	1018	1022	1028	1029	1030
APR	994	995	1001	1008	1015	1021	1027	1029	1030
MAY	987	993	999	1009	1016	1021	1026	1030	1036
JUN	993	997	1002	1012	1017	1023	1030	1034	1037
JUL	990	990	1001	1016	1020	1025	1030	1033	1034
AUG	995	996	1000	1012	1021	1026	1034	1037	1038
SEP	991	994	1001	1012	1019	1025	1030	1035	1036
OCT	997	1000	1003	1012	1020	1026	1031	1035	1039
NOV	987	994	1000	1010	1016	1022	1027	1030	1032
DEC	993	996	1001	1011	1016	1021	1027	1030	1031

JANUARY

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970

AREA 0021 TRINDADE
19.65 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.1	.0	.0	.0	78.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.5	.0	.0	.0	79.5
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	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	3.4	.0	.0	.0	.0	.0	3.4	.0	.0	10.3	.0	.0	.0	86.2
TOT OBS:	29														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
0600Z	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	16.7	.0	.0	.0	66.7
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	87.5
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	90.9
TOT PCT	.0	3.4	.0	.0	.0	.0	.0	3.4	.0	.0	10.3	.0	.0	.0	86.2
TOT OBS:	29														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.1	6.5	2.8	.0	.0	.0	10.5	8.6	35.0	5.6	7.4	7.3	.0	12.7	13.3	12.0	
NE	2.4	14.1	16.7	1.3	.0	.0	34.6	11.2	25.0	37.1	33.6	33.6	41.7	37.7	35.2	28.2	
E	1.7	19.0	21.7	2.5	.0	.0	44.8	11.9	20.0	49.2	46.7	49.1	58.3	42.7	37.5	47.9	
SE	.3	2.3	3.2	.1	.0	.0	6.0	11.7	.0	5.6	7.4	5.5	.0	4.6	7.0	7.7	
S	.0	.1	.0	.0	.0	.0	.1	9.0	.0	.0	.8	.0	.0	.0	.0	.0	
SW	.0	.4	.0	.0	.0	.0	.4	7.0	.0	.0	1.6	.0	.0	.0	.0	1.4	
W	.0	.7	.0	.0	.0	.0	.7	8.0	.0	.0	.0	1.8	.0	.0	1.6	1.4	
NW	.0	1.4	.8	.0	.0	.0	2.2	9.2	20.0	.8	2.5	2.7	.0	1.5	3.9	1.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7						.7	.0	.0	1.6	.0	.0	.0	.8	1.6	.0	
TOT OBS	28	201	204	18	0	0	451	11.1	5	62	61	35	3	130	64	71	
TOT PCT	6.2	44.6	43.2	4.0	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	3.2	7.0	.3	.0	.0	10.5	8.6	7.8	7.3	12.4	12.6	
NE	6.4	22.9	4.8	.4	.0	34.6	11.2	36.2	33.6	37.8	31.5	
E	8.8	24.7	10.8	.7	.0	44.8	11.9	47.0	47.8	43.0	43.0	
SE	1.4	2.7	1.9	.0	.0	6.0	11.7	5.2	6.5	4.5	7.4	
S	.0	.1	.0	.0	.0	.1	9.0	.0	.4	.0	.0	
SW	.2	.2	.0	.0	.0	.4	7.0	.0	.9	.0	.7	
W	.2	.4	.0	.0	.0	.7	8.0	.0	.9	.0	1.5	
NW	.6	1.7	.0	.0	.0	2.2	9.2	2.2	2.6	1.5	2.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7					.7	.0	1.5	.0	.8	.7	
TOT OBS	97	269	80	5	0	451	11.1	67	116	133	135	
TOT PCT	21.5	59.6	17.7	1.1	.0	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970

JANUARY

AREA 0021 TRINDADE
19.6S 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000Z	1.5	6.0	41.8	47.8	3.0	.0	.0	10.9	100.0	67	
0600Z	.0	5.2	43.1	47.4	4.3	.0	.0	11.5	100.0	116	
1201Z	.8	1.5	40.6	51.9	5.3	.0	.0	12.1	100.0	133	
1802Z	.7	9.6	51.1	35.6	3.0	.0	.0	9.9	100.0	135	
TOT	3	25	201	204	18	0	0	11.1		451	
PCT	.7	5.5	44.6	45.2	4.0	.0	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	31.6	17.1	10.5	5.3		3.2
E	2.6	3.9	10.5	.0		4.9
SE	2.6	.0	.0	.0		2.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	10.5	.0		6.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	8	4	6	1	19	3.6
TOT PCT	42.1	21.1	31.6	5.3	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	
NE	.0	.0	.0	15.8	.0	.0	.0	.0	.0	.0	48.7	
E	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	11.8	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	5.3	.0	5.3	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	8	4	6	1	19	1	0	0	0	0	13	19
TOT PCT	42.1	21.1	31.6	5.3	100.0	26.3	5.3	.0	.0	.0	68.4	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	.0	.0	.0	.0	.0
>1000	.0	.0	.0	.0	.0	.0	.0	.0
>600	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
>300	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
>150	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
>0	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
TOTAL	3	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 17 PCT FREQ NH <5/8: 70.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS	TOTAL OBS
9.5	23.8	23.8	4.8	9.5	9.5	4.8	9.5	4.8	.0	21

JANUARY

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970

AREA 0021 TRINIDADE
19.85 29.3W

TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	3.4	.0
	NO PCP	6.9	.0	17.2	.0	.0	.0	3.4	.0	.0	.0	27.6	.0
	TOT %	6.9	.0	17.2	.0	.0	.0	3.4	3.4	.0	.0	31.0	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	9.5	39.7	16.4	3.4	.0	.0	.0	.0	.0	.0	69.0	.0
	TOT %	9.5	39.7	16.4	3.4	.0	.0	.0	.0	.0	.0	69.0	.0
TOT DBS													29
TOT PCT		16.4	39.7	33.6	3.4	.0	.0	3.4	3.4	.0	.0	100.0	

TABLE 9

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

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0
	4-10	2.9	.0	14.7	.0	.0	.0	2.9	2.9	.0	.0	23.5	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	5.9	.0	14.7	.0	.0	.0	2.9	2.9	.0	.0	26.5	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	4.4	19.1	14.7	2.9	.0	.0	.0	.0	.0	.0	41.2	.0
	11-21	6.6	16.2	2.2	.0	.0	.0	.0	1.5	.0	.0	26.5	.0
	22+	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0
	TOT %	11.0	41.2	16.9	2.9	.0	.0	.0	1.5	.0	.0	73.5	.0
TOT DBS													34
TOT PCT		16.9	41.2	31.6	2.9	.0	.0	2.9	4.4	.0	.0	100.0	

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970

AREA 0021 TRINIDADE
19.6S 29.3W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	209	599	999	1999	3499	4999	6499	7999				
00Z03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06Z09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
12Z15	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
18Z21	.0	.0	.0	36.4	.0	9.1	.0	.0	.0	.0	45.5	54.5	11
TOT	0	0	0	5	0	1	0	0	0	0	6	15	21
PCT	.0	.0	.0	23.8	.0	4.8	.0	.0	.0	.0	28.6	71.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00Z03	.0	.0	.0	.0	.0	100.0	3
06Z09	.0	.0	.0	.0	50.0	50.0	6
12Z15	.0	.0	.0	.0	11.1	88.9	9
18Z21	.0	.0	.0	.0	35.7	64.3	14
TOT	0	0	0	0	9	29	34
PCT	.0	.0	.0	.0	26.5	73.5	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<300D	<1	<3	AND5+	AND 5+	OBS
00Z03	.0	.0	.0	.0	100.0	2
06Z09	.0	.0	.0	.0	100.0	3
12Z15	.0	.0	33.3	.0	66.7	3
18Z21	.0	.0	44.4	.0	55.6	9
TOT	0	0	5	0	12	17
PCT	.0	.0	29.4	.0	70.6	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	PCT
									OBS	FREQ
85/89	.0	.0	.0	.0	.0	5.0	.0	.0	1	5.0
80/84	.0	.0	.0	.0	15.0	35.0	.0	.0	10	50.0
75/79	.0	.0	.0	.0	.0	20.0	15.0	5.0	8	40.0
70/74	.0	.0	.0	.0	.0	.0	.0	5.0	1	5.0
TOTAL	0	0	0	0	3	12	3	2	20	100.0
PCT	.0	.0	.0	.0	15.0	60.0	15.0	10.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	31.3	16.3	2.5	.0	.0	.0	.0	.0	.0
75/79	3.8	16.3	17.5	2.5	.0	.0	.0	.0	.0	.0
70/74	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	8.8	52.5	33.8	5.0	.0	.0	.0	.0	.0	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00Z03	82	81	81	78	73	66	66	77.4	63
06Z09	84	83	82	78	75	68	68	77.6	108
12Z15	87	86	85	80	77	75	72	80.6	130
18Z21	88	87	84	80	75	71	70	79.4	127
TOT	88	86	84	79	75	70	66	79.0	428

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00Z03	.0	.0	.0	33.3	66.7	.0	83	3
06Z09	.0	.0	.0	40.0	20.0	40.0	84	5
12Z15	.0	.0	50.0	50.0	.0	.0	72	6
18Z21	.0	.0	.0	100.0	.0	.0	75	6
TOT	0	0	3	12	3	2	77	20

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970

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19.6S 29.3W

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	73 76	77 80	81 84	85 88	TOT	N FDG	NO FDG
4	.0	.0	.0	4.0	1	.0	4.0
3	.0	.0	8.0	.0	2	.0	8.0
2	.0	.0	8.0	.0	2	.0	8.0
1	4.0	4.0	4.0	.0	3	4.0	8.0
0	.0	24.0	8.0	.0	8	4.0	28.0
-1	.0	4.0	4.0	.0	2	.0	8.0
-2	4.0	4.0	.0	.0	2	4.0	4.0
-3	4.0	8.0	.0	.0	3	.0	12.0
-4	4.0	4.0	.0	.0	2	.0	8.0
TOTAL	4	12	8	1	25	3	22
PCT	16.0	48.0	32.0	4.0	100.0	12.0	88.0

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

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

HGT	N							PCT	NE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	40.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	20.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5
7	.0	.0	.0	.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	.0	.0	.0
10-11	.0	.0	.0	.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	.0	.0	.0
13-16	.0	.0	.0	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0	22.5	.0	.0	.0	.0	.0	62.5

HGT	E							PCT	SE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	7.5	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.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	.0	.0	.0
10-11	.0	.0	.0	.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	.0	.0	.0
13-16	.0	.0	.0	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	7.5	.0	.0	.0	.0	17.5	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 18 (CONT)

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

HGT	S							SW							PCT	TOTAL PCT
	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	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.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	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

HGT	W							NW							PCT	TOTAL PCT
	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	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	20.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.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	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	20.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	30.0	20.0	.0	.0	.0	30.0	.0
3-4	.0	40.0	.0	.0	.0	.0	40.0	.0
5-6	.0	.0	10.0	.0	.0	.0	10.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	70.0	30.0	.0	.0	.0	100.0	10

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	.0	35.7	21.4	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
6-7	.0	.0	7.1	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
8-9	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
12-13	.0	.0	7.1	.0	.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	0	0
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	0	5	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	3
PCT	.0	35.7	42.9	21.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1876-1976
(OVER-ALL) 1857-1976

AREA 0021 TRINIDADE
19.95 29.2H

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 03 TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	92.3
E	.0	.0	.0	.0	.0	.0	.0	.0	17.9	.0	.0	.0	.0	.0	82.1
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0	88.2
TOT OBS:	17														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 03 TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	66.7
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	83.3
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0	88.2
TOT OBS:	17														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.4	5.6	2.3	.3	.0	.0	9.6	8.4	.0	4.7	8.0	8.2	25.0	11.8	13.6	8.8
NE	2.2	20.3	13.4	1.0	.0	.0	37.0	10.2	31.3	32.1	36.2	42.9	25.0	40.9	35.2	32.4
E	2.3	16.8	22.0	2.5	.0	.0	43.6	11.9	68.8	50.0	47.8	42.9	50.0	39.1	40.9	41.2
SE	.0	2.1	3.4	.4	.0	.0	5.8	13.4	.0	10.4	5.8	3.1	.0	3.6	6.8	8.8
S	.0	1.3	.3	.0	.0	.0	1.6	7.6	.0	2.8	.0	1.0	.0	.9	3.4	2.9
SW	.0	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.0	.0	.0	.5	.0	.0
W	.0	.4	.0	.0	.0	.0	.4	5.0	.0	.0	.0	.0	.0	.5	.0	2.0
NW	.0	1.0	.1	.0	.0	.0	1.2	7.6	.0	.0	.7	2.0	.0	2.7	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	1.4	.0	.0	.0	.0	3.9
TOT OBS	26	184	160	16	0	0	386	10.8	4	33	69	49	6	110	44	51
TOT PCT	6.7	47.7	41.5	4.1	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	4.7	3.8	1.2	.0	.0	9.6	8.4	4.4	8.1	12.5	11.1
NE	8.8	23.8	4.3	.1	.0	37.0	10.2	32.0	39.0	40.1	33.7
E	7.4	27.0	8.7	.5	.0	43.6	11.9	51.3	45.8	39.7	41.1
SE	.6	3.1	1.9	.1	.0	5.8	13.4	9.6	4.7	3.4	7.9
S	.8	.8	.0	.0	.0	1.6	7.6	2.6	.4	.9	3.2
SW	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.4	.0
W	.4	.0	.0	.0	.0	.4	5.0	.0	.0	.4	1.1
NW	.5	.6	.0	.0	.0	1.2	7.6	.0	1.3	2.6	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8	.0	.0	.0	.0	.8	.0	.0	.8	.0	2.1
TOT OBS	93	228	62	3	0	386	10.8	57	118	116	95
TOT PCT	24.1	59.1	16.1	.8	.0	100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1878-1976
(OVER-ALL) 1857-1976

AREA 0021 TRINIDADE
19.95 29.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47					
0000	.0	7.0	43.9	43.9	5.3	.0	.0	11.4	100.0	37	
0600	.8	5.9	44.1	44.1	5.1	.0	.0	11.0	100.0	118	
1200	.0	4.3	45.7	44.8	5.2	.0	.0	11.5	100.0	116	
1800	2.1	7.4	36.8	32.6	1.1	.0	.0	9.1	100.0	95	
TOT	3	23	184	160	16	0	0	10.8		386	
PCT	.8	6.0	47.7	41.5	4.1	.0	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8 BSCD	TOTAL OBS	MEAN CLOUD COVER
NE	12.5	10.4	.0	.0	2.2	2.2
E	16.7	31.3	8.3	8.3	3.7	3.7
SE	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	5	5	1	1	12	3.0
TOT PCT	41.7	41.7	8.3	8.3	100.0	

TABLE 6

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

WIND DIR	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH) >4/8										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.9
E	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	.0	47.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	0	0	0	1	0	0	1	0	0	0	0	12
TOT PCT	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	.0	83.3

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6000	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>4000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>3000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>2000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>1000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>600	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>300	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>150	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>0	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 12

PCT FREQ NH <5/8: 83.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	25.0	25.0	33.3	.0	8.3	.0	.0	8.3	.0	12

FEBRUARY

PERIOD: (PRIMARY) 1878-1976
(OVER-ALL) 1857-1976

AREA 0021 TRINIDADE
19.35 29.2W

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
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
	TOT %	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	17.6	19.1	57.4	.0	.0	.0	.0	.0	.0	.0	.0	94.1
	TOT %	17.6	19.1	57.4	.0	.0	.0	.0	.0	.0	.0	.0	94.1
TOT OBS													17
TOT PCT													23.5 19.1 57.4 .0 .0 .0 .0 .0 .0 .0 .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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
	4-10	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	4.3	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7
10+	0-3	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
	4-10	15.2	6.5	13.0	.0	2.2	2.2	.0	.0	.0	.0	.0	39.1
	11-21	6.5	12.0	29.3	.0	.0	.0	.0	.0	.0	.0	.0	47.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	21.7	22.8	42.4	.0	2.2	2.2	.0	.0	.0	.0	.0	91.3
TOT OBS													23
TOT PCT													26.1 27.2 42.4 .0 2.2 2.2 .0 .0 .0 .0 100.0

PERIOD: (PRIMARY) 1874-1976
(OVER-ALL) 1857-1976

AREA 0021 TRINIDADE
19.55 29.2W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	.0	50.0	50.0	4
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
TOT	0	0	0	1	0	0	1	0	0	0	2	10	12
PCT	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	16.7	83.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	.0	100.0	4
06009	.0	.0	.0	.0	20.0	80.0	5
12015	.0	.0	.0	.0	.0	100.0	7
18021	.0	.0	.0	.0	14.3	85.7	7
TOT	0	0	0	0	2	21	23
PCT	.0	.0	.0	.0	8.7	91.3	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	100.0	2
12015	.0	.0	25.0	25.0	50.0	4
18021	.0	.0	.0	.0	100.0	3
TOT	0	0	1	1	10	12
PCT	.0	.0	8.3	8.3	83.3	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	6.3	.0	.0	1	6.3
80/84	.0	.0	.0	.0	12.5	31.3	.0	6.3	8	50.0
75/79	.0	.0	.0	.0	.0	31.3	12.5	.0	7	43.8
TOTAL	0	0	0	0	2	11	2	1	16	100.0
PCT	.0	.0	.0	.0	12.5	68.8	12.5	6.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	12.5	7.8	29.7	.0	.0	.0	.0	.0	.0	.0
75/79	3.1	9.4	31.3	.0	.0	.0	.0	.0	.0	.0
TOTAL	21.9	17.2	60.9	.0	.0	.0	.0	.0	.0	.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	81	78	75	70	70	78.1	55
06009	84	83	82	79	75	68	68	78.4	112
12015	89	88	87	82	78	72	72	81.9	116
18021	90	87	86	80	75	70	70	79.8	94
TOT	90	87	85	80	76	70	68	79.8	377

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	66.7	33.3	.0	77	3
06009	.0	.0	.0	100.0	.0	.0	75	3
12015	.0	.0	25.0	50.0	.0	25.0	79	4
18021	.0	.0	16.7	66.7	16.7	.0	77	6
TOT	0	0	2	11	2	1	77	16

FEBRUARY

PERIOD: (PRIMARY) 1878-1976
(OVER-ALL) 1857-1976

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TABLE 17

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

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FDG	NO FDG
9/10	.0	.0	.0	.0	5.9	1	.0	5.9
2	.0	.0	11.8	.0	.0	2	.0	11.8
1	.0	5.9	5.9	.0	.0	2	.0	11.8
0	.0	17.6	5.9	.0	.0	4	.0	23.5
-1	.0	11.8	5.9	.0	.0	3	.0	17.6
-2	.0	17.6	.0	.0	.0	3	.0	17.6
-3	5.9	5.9	.0	.0	.0	2	.0	11.8
TOTAL	1	10	5	0	1	17	0	17
PCT	5.9	58.8	29.4	.0	5.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KT6) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	5.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	5.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	20.0	55.0	.0	.0	.0	75.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-47	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	20.0	75.0	.0	.0	.0	95.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	20.0	60.0	.0	.0	.0	80.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	20.0	.0	.0	.0	20.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	20.0	80.0	.0	.0	.0	100.0	5

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	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
6-7	.0	.0	10.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
8-9	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	7
12-13	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	7
INDET	.0	.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
TOTAL	.0	.0	6	.0	4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
PCT	.0	.0	60.0	.0	40.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1872-1967
(OVER-ALL) 1855-1967

AREA 0021 TRINIDADE
19.55 29.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO DUST SIG WFA
N	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	84.6
NE	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	7.4	.0	.0	.0	81.5
E	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0	.0	.0	.0	.0	91.5
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	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.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	.0	.0	.0
TOT PCT	.0	5.9	.0	.0	.0	.0	.0	5.9	2.9	.0	2.9	.0	.0	.0	88.2
TOT OBS:	34														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO DUST SIG WFA
0003	.0	10.0	.0	.0	.0	.0	.0	10.0	10.0	.0	10.0	.0	.0	.0	70.0
0609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12015	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	5.9	.0	.0	.0	.0	.0	5.9	2.9	.0	2.9	.0	.0	.0	88.2
TOT OBS:	34														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.2	10.6	2.7	.3	.0	.0	14.8	8.4	7.1	9.6	13.7	15.2	.0	16.2	18.8	13.8
NE	2.9	15.7	8.0	1.4	.0	.0	28.0	9.5	28.6	30.8	25.0	32.1	50.0	25.2	29.2	29.0
E	2.0	15.8	16.2	1.8	.1	.0	35.9	11.5	28.6	44.2	35.5	40.2	50.0	36.4	31.9	29.0
SE	.7	3.9	5.7	1.3	.1	.0	11.7	12.9	7.1	9.6	14.1	9.8	.0	12.6	9.0	14.5
S	.5	.4	1.1	.0	.0	.0	2.0	9.6	7.1	.0	4.7	.0	.0	2.6	.0	2.9
SW	.5	.0	.2	.0	.0	.0	.7	5.1	.0	.0	2.3	.0	.0	1.3	.0	.0
W	.1	.3	.0	.0	.0	.0	.4	4.2	.0	.0	.8	.0	.0	.3	.0	1.4
NW	1.1	2.3	.3	.1	.0	.0	3.8	6.6	21.4	.0	2.3	.9	.0	2.6	8.3	6.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.7	.0	.0	.0	.0	.0	2.7	.0	.0	5.8	1.6	1.8	.0	2.6	2.8	2.9
TOT OBS	56	233	163	23	1	.0	476	10.0	7	52	64	56	5	131	12	69
TOT PCT	11.8	48.9	34.7	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 DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	6.1	7.5	1.2	.0	.0	14.8	8.4	9.3	14.4	15.7	16.3	
NE	9.3	15.3	3.5	.0	.0	28.0	9.5	30.5	28.3	26.0	29.1	
E	7.6	20.3	7.7	.3	.0	35.9	11.5	42.4	37.7	36.9	30.5	
SE	2.3	5.9	2.9	.5	.0	11.7	12.9	9.3	12.1	12.2	11.7	
S	.8	.7	.4	.0	.0	2.0	9.6	.8	2.5	2.6	1.4	
SW	.5	.2	.0	.0	.0	.7	5.1	.0	1.3	1.3	.0	
W	.4	.0	.0	.0	.0	.4	4.2	.0	.4	.3	.7	
NW	2.3	1.2	.3	.0	.0	3.8	6.6	2.5	1.7	2.6	7.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.7	.0	.0	.0	.0	2.7	.0	5.1	1.7	2.6	2.8	
TOT OBS	133	243	76	4	0	476	10.0	59	120	156	141	
TOT PCT	32.1	51.1	16.0	.8	.0	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1872-1967
(OVER-ALL) 1853-1967

MARCH

AREA 0021 TRINDADE
19.95 29.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0003	5.1	6.8	49.2	32.2	6.8	.0	.0	10.4	100.0	59	
0609	1.7	6.7	45.8	40.0	5.8	.0	.0	10.8	100.0	120	
1215	2.6	9.6	44.9	37.8	4.5	.6	.0	10.3	100.0	156	
1821	2.8	11.3	56.0	26.2	3.5	.0	.0	8.9	100.0	141	
TOT	13	43	233	163	23	1	0	10.0		476	
PCT	2.7	9.0	48.9	34.2	4.8	.2	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	4.6	24.1	8.3	3.7	4.1	4.1
E	7.4	11.1	13.9	.0	3.9	3.9
SE	5.6	.0	.0	.0	.3	.3
S	1.9	.0	.0	.0	1.0	1.0
SW	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0
NW	7.4	3.7	1.9	.0	2.5	2.5
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	8	11	7	1	27	3.5
TOT PCT	29.6	40.7	25.9	3.7	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS	
													N
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36.1	
E	3.7	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	23.9	
SE	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0	5.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0	
VAR	.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	
TOT OBS	8	11	7	1	27	3.5						27	
TOT PCT	29.6	40.7	25.9	3.7	100.0							88.9	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
>1000	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
>600	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
>500	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
>150	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
>0	8.0	8.0	8.0	12.0	12.0	12.0	12.0	12.0
TOTAL	2	2	2	3	3	3	3	3

TOTAL NUMBER OF OBS: 25 PCT FREQ NH <5/8: 88.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.7	22.2	11.1	37.0	14.8	3.7	3.7	.0	.0	3.7	27

PERIOD: (PRIMARY) 1972-1967
(OVER-ALL) 1855-1967

MARCH

APEA 0021 TRINIDADE
19.55 29.1W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
	TOT %	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	3.1	3.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	9.4
	TOT %	3.1	3.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	9.4
5<10	PCP	1.6	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.6	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	5.5	28.1	33.6	1.6	1.6	.0	.0	10.9	.0	.0	.0	81.3
	TOT %	5.5	28.1	33.6	1.6	1.6	.0	.0	10.9	.0	.0	.0	81.3
TOT OBS													72
TOT PCT		10.2	39.1	36.7	1.6	1.6	.0	.0	10.9	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	3.8	3.8	2.5	.0	.0	.0	.0	.0	.0	.0	.0	10.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	3.8	3.8	2.5	.0	.0	.0	.0	.0	.0	.0	.0	10.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.3	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.3	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	4.4	23.1	15.0	2.5	1.3	.0	.0	8.8	.0	.0	.0	55.0
	11-21	.0	8.1	19.4	.0	.0	.0	.0	.0	.0	.0	.0	27.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	4.4	31.3	34.4	2.5	1.3	.0	.0	8.8	.0	.0	.0	82.5
TOT OBS													40
TOT PCT		9.4	41.3	36.9	2.5	1.3	.0	.0	8.8	.0	.0	100.0	

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	85.7	7
06009	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	11.1	88.9	9
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
18021	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	14.3	85.7	7
TOT	1	0	0	0	0	2	0	0	0	0	3	24	27
PCT	3.7	.0	.0	.0	.0	7.4	.0	.0	.0	.0	11.1	88.9	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
00003	.0	.0	11.1	11.1	11.1	66.7	9
06009	.0	.0	.0	8.3	.0	91.7	12
12015	.0	.0	.0	.0	14.3	85.7	7
18021	.0	.0	.0	16.7	.0	83.3	12
TOT	0	0	1	4	2	33	40
PCT	.0	.0	2.5	10.0	5.0	82.5	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
00003	16.7	16.7	16.7	.0	83.3	6
06009	.0	.0	.0	12.5	87.5	8
12015	.0	.0	.0	.0	100.0	4
18021	.0	.0	.0	14.3	85.7	7
TOT	1	1	1	2	22	25
PCT	4.0	4.0	4.0	8.0	88.0	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
85/89	.0	.0	.0	.0	4.3	.0	.0	.0	1	4.3
80/84	.0	.0	.0	.0	4.3	39.1	8.7	4.3	13	56.5
75/79	.0	.0	.0	.0	.0	30.4	4.3	4.3	9	39.1
TOTAL	0	0	0	0	2	16	3	2	23	100.0
PCT	.0	.0	.0	.0	8.7	69.6	13.0	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0
80/84	5.4	22.8	21.7	2.2	2.2	.0	.0	2.2	.0	.0
75/79	4.3	17.4	17.4	.0	.0	.0	.0	.0	.0	.0
TOTAL	9.8	44.6	39.1	2.2	2.2	.0	.0	2.2	.0	.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
00003	82	81	81	78	76	74	74	78.2	56
06009	88	83	82	79	75	67	67	78.3	116
12015	91	89	86	82	76	71	70	81.3	133
18021	86	85	84	80	76	74	73	79.9	133
TOT	91	87	84	80	76	72	67	79.8	458

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	83.3	16.7	.0	77	6
06009	.0	.0	.0	83.3	.0	16.7	78	6
12015	.0	.0	16.7	50.0	33.3	.0	76	6
18021	.0	.0	20.0	60.0	.0	20.0	75	5
TOT	0	0	2	16	3	2	77	23

PERIOD: (PRIMARY) 1872-1967
(OVER-ALL) 1855-1967

MARCH

AREA 0021 TRINIDADE
19.55 29.1W

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	73 76	77 80	81 84	85 88	TOT	W FOG	WC FOG
2	.0	4.2	4.2	4.2	3	.0	12.5
1	.0	4.2	8.3	.0	3	.0	12.5
0	.0	12.5	4.2	.0	4	.0	16.7
-1	.0	20.8	.0	.0	5	.0	20.8
-2	.0	12.5	8.3	.0	5	.0	20.8
-3	.0	4.2	.0	.0	1	.0	4.2
-5	8.3	4.2	.0	.0	3	.0	12.5
TOTAL	2	15	6	1	24	0	24
PCT	8.3	62.5	25.0	4.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

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

HGT	N							NE						
	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	10.0	.0	.0	.0	.0	10.0	.0	30.0	10.0	.0	.0	.0	40.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.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	.0	10.0	.0	.0	.0	.0	10.0	.0	30.0	12.5	.0	.0	.0	42.5

HGT	E							SE						
	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	10.0	.0	.0	.0	.0	10.0
1-2	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	7.5	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	10.0	.0	.0	.0	10.0	.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	.0	10.0	27.5	.0	.0	.0	37.5	.0	10.0	.0	.0	.0	.0	10.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.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	.0	.0	
8-9	.0	.0	.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	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	10.0	.0	.0	.0	.0	.0	10.0
1-2	.0	50.0	10.0	.0	.0	.0	.0	60.0
3-4	.0	.0	10.0	.0	.0	.0	.0	10.0
5-6	.0	.0	10.0	.0	.0	.0	.0	10.0
7	.0	.0	10.0	.0	.0	.0	.0	10.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	60.0	40.0	.0	.0	.0	100.0	10

TABLE 19

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

PERIOD (SFC)	<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	
4-6	.0	27.8	11.1	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	3
6-7	.0	.0	11.1	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
8-9	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
12-13	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	5.6	5.6	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
TOTAL	1	6	5	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	18	4
PCT	5.6	33.3	27.8	22.2	.0	5.6	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AFRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1854-1967

AREA 0021 TRINDADE
19.45 28.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	22.2	.0	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	21.1	.0	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0	.0	78.9
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	.0	.0	.0	.0	.0	.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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	4.2	8.3	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	87.5
TOT OBS:	24														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1800	11.1	11.1	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
TOT PCT	3.8	7.7	.0	.0	.0	.0	.0	11.5	.0	.0	.0	.0	.0	.0	88.5
TOT OBS:	26														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.4	6.6	3.5	.4	.0	.0	11.9	9.6	20.0	16.0	8.6	7.9	16.7	12.3	18.3	8.7	
NE	3.5	12.2	6.8	.9	.0	.0	23.4	9.4	40.0	22.2	18.8	26.4	25.0	25.8	24.2	20.3	
E	3.4	12.9	13.9	2.1	.0	.0	32.2	11.1	40.0	29.2	31.7	37.1	58.3	32.7	29.2	29.7	
SE	1.8	5.5	8.6	.8	.0	.0	16.9	11.7	.0	18.8	23.1	10.7	.0	13.5	15.8	24.6	
S	.7	1.0	1.0	.3	.0	.0	3.0	10.4	.0	2.1	2.2	2.9	.0	4.4	1.7	3.6	
SW	.2	.3	.5	.2	.0	.0	1.1	12.0	.0	.7	3.8	2.1	.0	.3	.0	.0	
W	.2	1.4	.5	.2	.0	.0	2.2	10.1	.0	2.8	1.6	3.6	.0	1.6	1.3	3.6	
NW	.2	1.5	1.0	.0	.0	.0	2.7	8.9	.0	2.8	3.8	2.1	.0	3.8	1.3	.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.6						6.6	.0	.0	5.6	6.5	7.1	.0	5.7	8.3	8.7	
TOT OBS	95	221	192	26	0	0	534	9.8	5	72	93	70	6	159	60	69	
TOT PCT	17.8	41.4	36.0	4.6	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	3.7	6.5	1.5	.2	.0	11.9	9.6	16.2	8.3	12.4	13.2	
NE	9.3	10.3	3.7	.2	.0	23.4	9.4	23.4	22.1	25.8	22.1	
E	9.7	14.3	8.0	.2	.0	32.2	11.1	29.9	34.0	33.6	29.5	
SE	3.7	8.8	4.5	.0	.0	16.9	11.7	17.5	17.8	13.0	20.5	
S	1.1	1.1	.7	.0	.0	3.0	10.4	1.9	2.5	.2	2.7	
SW	.5	.3	.4	.0	.0	1.1	12.0	.6	3.1	.3	.0	
W	.9	.9	.2	.2	.0	2.2	10.1	2.6	2.5	1.5	2.5	
NW	.9	1.8	.0	.0	.0	2.7	8.9	2.6	3.1	3.6	1.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.6					6.6	.0	3.2	6.7	3.5	8.5	
TOT OBS	194	235	101	4	0	534	9.8	77	163	165	129	
TOT PCT	36.3	44.0	18.9	.7	.0	100.0		100.0	100.0	100.0	100.0	

APRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1956-1967

AREA 0021 TRINIDADE
19.43 28.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000Z	5.2	11.7	46.8	32.5	3.9	.0	.0	9.3	100.0	77
0600Z	6.7	9.8	38.7	38.7	6.1	.0	.0	10.1	100.0	163
1201Z	5.5	9.1	40.0	40.0	5.5	.0	.0	10.5	100.0	185
1802Z	8.5	15.5	43.4	29.5	3.1	.0	.0	8.7	100.0	129
TOT	35	60	221	192	26	0	0	9.8		534
PCT	6.6	11.2	41.4	36.0	4.9	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	4.8	4.8	9.5	.0		4.5
E	14.3	21.4	.0	9.5		3.8
SE	.0	4.8	4.8	.0		4.5
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	4.8	.0	.0	21	3.0
TOT OBS	6	9	4	2	21	3.7
TOT PCT	28.6	42.9	19.0	9.5	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
NE	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	14.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45.2
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
TOT OBS	6	9	4	2	1	0	1	0	0	0	0	19
TOT PCT	28.6	42.9	19.0	9.5	4.8	.0	4.8	.0	.0	.0	.0	90.5

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
>2000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
>1000	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
>600	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
>300	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
>150	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
>0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 22

PCT FREQ NH <5/8: 90.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	8.3	20.8	33.3	12.5	12.5	8.3	.0	4.2	.0	.0	24

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 185A-1967

APRIL

AREA 0021 TRINIDADE
19.45 28.94

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	4.2
	TOT %	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	4.2
10+	PCP	4.2	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	12.5
	NO PCP	14.6	20.8	31.3	8.3	.0	.0	3.1	1.0	.0	4.2	.0	83.3
	TOT %	18.8	20.8	39.6	8.3	.0	.0	3.1	1.0	.0	4.2	.0	95.8
TOT OBS													24
TOT PCT													18.8 20.8 39.6 8.3 .0 4.2 3.1 1.0 .0 4.2 100.0

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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	3.3
	11-21	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	.0	6.7
10+	0-3	.0	3.3	3.3	3.3	.0	.0	.0	.0	.0	3.3	.0	13.3
	4-10	15.0	5.0	23.3	6.7	.0	.0	2.5	.8	.0	.0	.0	43.3
	11-21	.0	8.3	5.0	3.3	.0	.0	.0	.0	.0	.0	.0	16.7
	22+	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
	TOT %	15.0	16.7	41.7	13.3	.0	.0	2.5	.8	.0	3.3	.0	93.3
TOT OBS													30
TOT PCT													15.0 20.0 41.7 13.3 .0 3.3 2.5 .8 .0 3.3 100.0

APRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1854-1967

AREA 0021 TRINIDADE
19.4S 28.9W

TABLE 10

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

HR	000	150	300	600	1000	2000	3000	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00Z03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5
06Z09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
12Z15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6
18Z21	.0	.0	.0	.0	12.5	.0	12.5	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	0	1	0	1	0	0	0	2	21	23
PCT	.0	.0	.0	.0	4.3	.0	4.3	.0	.0	.0	8.7	91.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00Z03	.0	.0	.0	.0	16.7	83.3	6
06Z09	.0	.0	.0	.0	11.1	88.9	9
12Z15	.0	.0	.0	.0	.0	100.0	7
18Z21	.0	.0	.0	.0	.0	100.0	10
TOT	0	0	0	0	2	30	32
PCT	.0	.0	.0	.0	6.3	93.8	100.0

TABLE 12

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

HR	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00Z03	.0	.0	.0	.0	100.0	5
06Z09	.0	.0	.0	.0	100.0	4
12Z15	.0	.0	.0	.0	100.0	5
18Z21	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	2	20	22
PCT	.0	.0	.0	9.1	90.9	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
80/84	.0	.0	.0	.0	23.8	9.5	4.8	4.8	9	42.9
75/79	.0	.0	.0	.0	.0	14.3	23.8	19.0	12	37.1
TOTAL	0	0	0	0	5	5	6	5	21	100.0
PCT	.0	.0	.0	.0	23.8	23.8	28.6	23.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	16.7	11.9	14.3	.0	.0	.0	.0	.0	.0	.0
75/79	4.8	11.9	26.2	9.5	.0	.0	.0	.0	.0	4.8
TOTAL	21.4	23.8	40.5	9.5	.0	.0	.0	.0	.0	4.8

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00Z03	82	81	81	78	75	73	73	77.7	72
06Z09	83	82	81	78	74	69	66	77.6	149
12Z15	94	91	87	80	76	75	72	80.9	159
18Z21	95	88	84	79	75	73	73	79.6	117
TOT	95	89	85	79	75	72	66	79.1	497

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00Z03	.0	.0	.0	20.0	40.0	40.0	86	5
06Z09	.0	.0	.0	60.0	40.0	.0	77	5
12Z15	.0	.0	50.0	33.3	.0	16.7	73	6
18Z21	.0	14.3	28.6	.0	28.6	28.6	79	7
TOT	0	1	5	6	6	5	79	23

APRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1856-1967

AREA 0021 TRINIDADE
19.45 28.9W

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	73 76	77 80	81 84	85 88	TOT	W FOG	WD FOG
5	.0	.0	.0	5.0	1	.0	5.0
3	.0	.0	5.0	.0	1	.0	5.0
2	.0	5.0	.0	.0	1	.0	5.0
1	.0	.0	10.0	.0	2	.0	10.0
0	.0	5.0	.0	.0	1	.0	5.0
-1	.0	.0	5.0	.0	1	.0	5.0
-2	.0	25.0	10.0	.0	7	.0	35.0
-3	.0	5.0	.0	.0	1	.0	5.0
-4	5.0	5.0	.0	.0	2	.0	10.0
-5	5.0	10.0	.0	.0	3	.0	15.0
TOTAL	2	11	6	1	20	0	20
PCT	10.0	55.0	30.0	5.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	33.3

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	25.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.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	.0	.0	
8-9	.0	.0	.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	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	25.0	.0	.0	.0	.0	25.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3 66.7	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	33.3	33.3	.0	.0	.0	.0	66.7	
1-2	.0	33.3	.0	.0	.0	.0	33.3	
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	33.3	66.7	.0	.0	.0	.0	100.0	3

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	18.8	18.8	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
6-7	.0	.0	6.3	18.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
8-9	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
10-11	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	1	3	4	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	16	4
PCT	6.3	18.8	25.0	31.3	.0	6.3	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

MAY

AREA 0021 TRINDADE
20.05 28.64

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	TMDR LTNG	FGD WD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	3.8	.0	.0	.0	.0	.0	3.8	.0	.0	11.5	.0	.0	.0	84.6
E	11.3	23.9	.0	.0	.0	.0	.0	35.2	.0	.0	8.5	.0	.0	.0	56.3
SE	10.3	2.6	.0	.0	.0	.0	.0	12.8	.0	.0	10.3	.0	.0	.0	76.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	44.4	.0	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0	.0	55.6
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	.0	.0	.0
TOT PCT	10.4	10.4	.0	.0	.0	.0	.0	20.8	.0	.0	8.3	.0	.0	.0	70.8
TOT OBS:	48														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	TMDR LTNG	FGD WD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	20.0	10.0	.0	.0	.0	.0	.0	30.0	.0	.0	.0	.0	.0	.0	70.0
0600	8.3	16.7	.0	.0	.0	.0	.0	25.0	.0	.0	8.3	.0	.0	.0	66.7
1200	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	.0	75.0
1800	10.5	5.3	.0	.0	.0	.0	.0	15.8	.0	.0	10.5	.0	.0	.0	73.7
TOT PCT	10.2	10.2	.0	.0	.0	.0	.0	20.4	.0	.0	8.2	.0	.0	.0	71.4
TOT OBS:	49														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.8	5.7	3.0	.9	.0	.0	10.4	10.5	.0	8.3	10.1	9.9	25.0	11.4	12.7	9.3	
NE	2.1	11.4	5.9	.4	.0	.0	19.8	9.1	14.3	16.1	17.4	23.3	58.3	23.1	19.7	15.9	
E	2.0	11.9	10.9	2.2	.1	.0	27.1	11.8	39.3	28.1	32.2	28.4	16.7	24.8	28.0	23.8	
SE	1.2	6.5	8.8	2.2	.1	.0	18.8	13.1	25.0	20.2	16.3	18.5	.0	19.6	17.4	19.7	
S	.9	4.0	3.2	1.3	.2	.1	9.6	13.1	7.1	11.2	9.3	9.5	.0	9.4	7.2	11.7	
SW	.8	1.8	1.1	.9	.2	.0	4.7	12.9	14.3	8.6	3.5	2.2	.0	3.3	5.3	7.6	
W	.2	1.4	1.0	.0	.0	.0	2.5	9.3	.0	2.9	3.9	1.7	.0	3.0	2.7	1.0	
NW	.4	2.0	1.2	.3	.0	.0	3.9	9.8	.0	2.5	4.3	3.9	.0	3.5	4.0	5.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.1						3.1	.0	.0	4.1	3.1	2.6	.0	1.9	3.0	9.5	
TOT OBS	107	412	323	75	5	1	923	11.0	7	121	129	116	3	270	132	145	
TOT PCT	11.6	44.6	39.0	8.1	.3	.1	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	03	06	12
N	3.5	4.7	2.1	.1	.0	10.4	10.5	7.8	10.0	11.5	10.9	
NE	7.2	10.5	2.2	.0	.0	19.8	9.1	16.0	20.2	23.4	17.7	
E	6.0	14.3	6.1	.8	.0	27.1	11.8	28.7	30.4	24.7	25.8	
SE	3.5	8.0	7.0	.2	.0	18.8	13.1	20.5	17.3	19.4	18.6	
S	2.2	4.3	2.7	.3	.2	9.6	13.1	10.9	9.4	9.3	9.6	
SW	1.6	1.6	1.0	.4	.1	4.7	12.9	7.0	2.9	3.3	6.5	
W	1.0	1.2	.3	.0	.0	2.5	9.3	2.7	2.9	2.9	1.8	
NW	1.6	1.6	.6	.1	.0	3.9	9.8	2.3	4.1	3.5	4.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.1					3.1	.0	3.9	2.9	1.8	4.3	
TOT OBS	275	426	202	17	3	923	11.0	128	243	273	277	
TOT PCT	29.8	46.2	21.9	1.8	.3	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1869-1975

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	3.9	9.4	36.7	39.1	10.9	.0	.0	11.7	100.0	128
0600	2.9	9.0	46.5	31.8	9.0	.4	.4	11.1	100.0	245
1200	1.8	8.8	43.6	37.0	8.1	.7	.0	11.2	100.0	273
1800	4.3	7.2	47.7	33.9	6.1	.7	.0	10.5	100.0	277
TOT	29	78	412	323	75	5	1	11.0		923
PCT	3.1	8.5	44.6	35.0	8.1	.5	.1	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	15.2	7.6	1.1	.0		2.1
E	19.6	2.2	.0	3.3		2.4
SE	6.5	4.3	.0	5.4		3.4
S	2.2	.0	.0	.0		.0
SW	.0	.0	.0	4.3		8.0
W	.0	.0	4.3	.0		7.0
NW	.0	.0	14.1	.0		5.7
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	4	6	3	23	3.6
TOT PCT	43.5	17.4	26.1	13.0	100.0	

TABLE 6

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

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
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.9
.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	21.7
.0	.0	1.1	.0	4.3	.0	.0	.0	.0	.0	.0	10.9
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	9.8
.0	.0	.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	0	3	0	0	0	0	0	0	19
.0	.0	4.3	.0	13.0	.0	.0	.0	.0	.0	.0	82.6
											23
											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 >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >4000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	.0	4.5	4.5	4.5	9.1	9.1	9.1	9.1
= OR >1000	.0	4.5	4.5	4.5	9.1	9.1	9.1	9.1
= OR >600	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
= OR >300	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
= OR >150	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
= OR >0	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
TOTAL	0	2	2	2	3	3	3	3

TOTAL NUMBER OF OBS: 22 PCT FREQ NH <5/8: 86.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBSCD	TOTAL OBS
16.7	37.5	8.3	16.7	4.2	8.3	4.2	.0	4.2	.0	24

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	2.1	2.1
	NO PCP	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	2.1	2.1
	TOT %	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	4.2	4.2
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	2.1	2.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	2.1	2.1
5<10	PCP	.0	1.0	8.9	.5	.0	.0	.0	2.1	.0	.0	12.5	12.5
	NO PCP	1.0	9.4	12.5	6.3	.0	.0	.0	.0	.0	.0	29.2	29.2
	TOT %	1.0	10.4	21.4	6.8	.0	.0	.0	2.1	.0	.0	41.7	41.7
10+	PCP	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	4.2	4.2
	NO PCP	4.7	16.7	11.5	9.4	1.0	2.1	.0	2.6	.0	.0	47.9	47.9
	TOT %	4.7	16.7	15.6	9.4	1.0	2.1	.0	2.6	.0	.0	52.1	52.1
TOT OBS													48
TOT PCT		5.7	27.1	37.0	20.3	1.0	4.2	.0	4.7	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	2.9	2.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	2.9	2.9
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	1.4
	22+	.7	.0	.0	.0	.0	.0	.0	.0	.7	.0	1.4	1.4
	TOT %	.7	.0	.0	.0	.0	1.4	.0	.7	.0	.0	2.9	2.9
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.7	4.3	7.6	3.3	.0	.0	.0	.0	.0	.0	15.9	15.9
	11-21	.0	2.9	7.2	1.4	.0	.0	.0	1.4	.0	.0	13.0	13.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.7	7.2	14.9	4.7	.0	.0	.0	1.4	.0	.0	29.0	29.0
10+	0-3	.0	1.4	1.4	.0	.0	.0	.0	.0	.0	1.4	4.2	4.2
	4-10	2.5	9.1	4.3	1.4	2.9	.0	.0	1.4	.0	.0	21.7	21.7
	11-21	2.9	4.0	5.1	4.3	1.4	1.4	.0	1.1	.0	.0	20.3	20.3
	22+	.7	.0	.0	1.4	5.8	10.1	.0	.7	.0	.0	18.8	18.8
	TOT %	6.2	14.5	10.9	7.2	10.1	11.6	.0	3.3	.0	1.4	65.2	65.2
TOT OBS													69
TOT PCT		7.6	21.7	25.7	14.9	10.1	13.0	.0	3.4	.0	1.4	100.0	

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	12.5	87.5	8
06009	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	40.0	60.0	5
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
18021	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	14.3	85.7	7
TOT	0	0	1	0	3	0	0	0	0	0	4	20	24
PCT	.0	.0	4.2	.0	12.5	.0	.0	.0	.0	.0	16.7	83.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	.0	.0	7.1	28.6	64.3	14
06009	.0	.0	.0	5.9	52.9	41.2	17
12015	.0	.0	.0	.0	18.2	81.8	11
18021	.0	7.1	.0	.0	17.9	75.0	28
TOT	0	2	0	2	20	46	70
PCT	.0	2.9	.0	2.9	28.6	65.7	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<5000	<1	<5	AND5+	AND 5+	OBS
00003	.0	14.3	28.6	.0	71.4	7
06009	.0	.0	.0	25.0	75.0	4
12015	.0	.0	.0	.0	100.0	4
18021	.0	14.3	14.3	.0	85.7	7
TOT	0	2	3	1	18	22
PCT	.0	9.1	13.6	4.5	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	PCT
									OBS	FREQ
80/84	.0	.0	.0	3.0	6.1	3.0	.0	.0	4	12.1
75/79	.0	.0	.0	.0	27.3	45.5	3.0	6.1	27	81.8
70/74	.0	.0	.0	.0	.0	.0	3.0	3.0	2	6.1
TOTAL	0	0	0	1	11	16	2	3	33	100.0
PCT	.0	.0	.0	3.0	33.3	48.5	6.1	9.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	7.6	4.5	.0	.0	.0	.0	.0	.0	.0
75/79	5.3	29.5	34.1	12.9	.0	.0	.0	.0	.0	.0
70/74	.0	.0	3.0	1.5	1.5	.0	.0	.0	.0	.0
TOTAL	5.3	37.1	41.7	14.4	1.5	.0	.0	.0	.0	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	83	82	79	75	71	68	65	75.3	121
06009	85	80	79	76	72	70	64	75.8	233
12015	90	86	83	78	73	71	69	78.0	270
18021	88	84	82	77	72	70	68	76.9	265
TOT	90	84	82	77	72	70	64	76.7	889

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00003	.0	10.0	.0	50.0	20.0	20.0	78	10
06009	.0	.0	37.5	50.0	.0	12.5	74	8
12015	.0	.0	50.0	50.0	.0	.0	71	6
18021	.0	.0	50.0	50.0	.0	.0	70	10
TOT	0	1	11	17	2	3	73	34

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

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TABLE 17

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

AIR-SEA TMP DIF	69 72	73 76	77 80	TOT	W FOG	WD FOG
4	.0	.0	2.4	1	.0	2.4
2	.0	.0	4.8	2	.0	4.8
0	.0	9.5	11.9	9	2.4	19.0
-1	.0	11.9	21.4	14	2.4	31.0
-2	.0	14.3	9.5	10	2.4	21.4
-3	.0	7.1	2.4	4	2.4	7.1
-5	2.4	2.4	.0	2	.0	4.8
TOTAL	1	19	22	42	4	38
PCT	2.4	45.2	52.4	100.0	9.5	90.5

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	10.0	.0	.0	.0	10.0	6.7	.0	1.7	.0	.0	.0	.0	8.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	13.3
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	10.0	.0	.0	.0	10.0	6.7	.0	15.0	.0	.0	.0	.0	21.7

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7	.0	.0	13.3	.0	.0	.0	.0	13.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	.0	.0	.0	.0	6.7	.0	.0	26.7	.0	.0	.0	.0	26.7

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	6.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	6.7

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	1.7	.0	.0	.0	8.3
3-4	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	13.3	.0	.0	.0	13.3	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	15.0	.0	.0	.0	.0	21.7
															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	6.3	.0	.0	.0	.0	.0	6.3	
1-2	6.3	12.5	31.3	.0	.0	.0	50.0	
3-4	.0	.0	37.5	.0	.0	.0	37.5	
5-6	.0	.0	6.3	.0	.0	.0	6.3	
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	12.5	12.5	75.0	.0	.0	.0	100.0	16

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	.0	40.9	13.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	2
6-7	.0	.0	.0	13.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
8-9	.0	.0	18.2	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
10-11	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
TOTAL	.0	10	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	3
PCT	.0	45.5	36.4	18.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

AREA 0021 TRINIDADE
20.15 28.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	40.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0
NE	.0	23.5	.0	.0	.0	.0	.0	23.5	23.5	.0	.0	.0	.0	.0	52.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0	.0	.0	100.0
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0
TOT OBS:	23														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
06009	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	88.9
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
TOT PCT	.0	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0
TOT OBS:	23														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.5	5.3	1.5	.2	.3	.0	7.8	10.1	.0	7.3	7.2	7.9	.0	9.2	6.2	7.8
NE	1.6	8.9	6.0	.9	.0	.0	17.4	10.5	12.5	18.8	22.6	18.0	.0	15.7	13.7	16.7
E	1.3	11.1	16.1	2.8	.0	.0	31.3	12.8	12.5	30.2	30.8	32.3	38.3	30.5	32.2	32.8
SE	1.1	6.8	10.2	1.5	.0	.0	19.6	12.5	30.0	17.2	19.7	21.0	41.7	21.4	17.8	16.7
S	.9	1.9	5.8	1.8	.0	.0	10.5	14.6	25.0	12.5	9.6	9.1	.0	10.0	11.6	10.4
SW	.4	1.9	2.5	.9	.2	.0	5.8	14.5	.0	6.8	5.8	6.7	.0	4.1	9.6	5.2
W	.3	1.3	.5	.2	.4	.0	2.6	14.7	.0	1.0	1.4	3.0	.0	3.5	2.7	3.6
NW	.5	1.2	1.0	.1	.1	.0	3.0	10.8	.0	3.1	1.0	1.8	.0	4.1	3.4	3.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	.0	3.1	1.9	.0	.0	1.6	2.7	3.1
TOT OBS	56	248	280	53	6	0	643	12.1	4	96	104	82	3	185	73	96
TOT PCT	8.7	38.6	43.3	8.2	.9	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40					00	03	06	09	12	15	18	21
N	2.7	4.0	.7	.2	.2	7.8	10.1	7.0	7.5	9.0	7.1					
NE	4.2	10.3	2.7	.2	.0	17.4	10.5	18.5	20.6	15.4	15.4					
E	5.0	16.4	9.8	.2	.0	31.3	12.8	29.5	31.5	31.0	32.5					
SE	3.3	10.5	5.6	.2	.0	19.6	12.5	18.5	20.3	21.7	17.2					
S	1.6	3.9	4.8	.2	.0	10.5	14.6	13.0	9.4	9.8	10.9					
SW	.6	2.7	2.2	.2	.1	5.8	14.5	6.5	6.2	4.0	7.1					
W	.6	1.2	.4	.1	.3	2.6	14.7	1.0	2.2	3.5	3.3					
NW	1.2	.9	.7	.1	.1	3.0	10.8	3.0	1.3	4.0	3.6					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CALM	2.0					2.0	.0	3.0	1.1	1.6	3.0					
TOT OBS	136	321	173	9	4	643	12.1	100	186	188	169					
TOT PCT	21.2	49.9	26.9	1.4	.6	100.0		100.0	100.0	100.0	100.0					

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

JUNE

AREA 0021 TRINDADE
20.1S 28.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	40.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0
NE	.0	23.5	.0	.0	.0	.0	.0	23.5	23.5	.0	.0	.0	.0	.0	52.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0	.0	.0	100.0
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0
TOT OBS:	23														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0003	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
0609	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	88.9
1205	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1802	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
TOT PCT	.0	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0
TOT OBS:	23														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.5	5.3	1.5	.2	.3	.0	7.8	10.1	.0	7.3	7.2	7.9	.0	9.2	6.2	7.8
NE	1.6	8.9	6.0	.9	.0	.0	17.4	10.5	12.5	18.8	22.6	18.0	.0	15.7	13.7	16.7
E	1.3	11.1	16.1	2.8	.0	.0	31.3	12.8	12.5	30.2	30.8	32.3	38.3	30.5	32.2	32.8
SE	1.1	6.8	10.2	1.5	.0	.0	19.6	12.5	30.0	17.2	19.7	21.0	41.7	21.4	17.8	16.7
S	.9	1.9	3.8	1.8	.0	.0	10.5	14.6	25.0	12.5	9.6	9.1	.0	10.0	11.6	10.4
SW	.4	1.9	2.5	.9	.2	.0	5.8	14.5	.0	6.8	5.8	6.7	.0	4.1	9.6	5.2
W	.3	1.3	.5	.2	.4	.0	2.6	14.7	.0	1.0	1.4	3.0	.0	3.5	2.7	3.6
NW	.5	1.2	1.0	.1	.1	.0	3.0	10.8	.0	3.1	1.0	1.8	.0	4.1	3.4	3.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	.0	3.1	1.9	.0	.0	1.6	2.7	3.1
TOT OBS	56	248	280	53	6	0	643	12.1	4	96	104	82	3	185	73	96
TOT PCT	8.7	38.6	43.5	8.2	.9	.0	100.0	12.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	2.7	4.0	.7	.2	.2	7.8	10.1	7.0	7.5	9.0	7.1	
NE	4.2	10.3	2.7	.2	.0	17.4	10.5	18.5	20.6	15.4	15.4	
E	5.0	16.4	9.8	.2	.0	31.3	12.8	29.5	31.5	31.0	32.5	
SE	3.3	10.5	5.6	.2	.0	19.6	12.5	18.5	20.3	21.7	17.2	
S	1.5	3.9	4.8	.2	.0	10.5	14.6	13.0	9.4	9.8	10.9	
SW	.6	2.7	2.2	.2	.1	5.8	14.5	6.5	6.2	4.0	7.1	
W	.6	1.2	.4	.1	.3	2.6	14.7	1.0	2.2	3.5	3.3	
NW	1.2	.9	.7	.1	.1	3.0	10.8	3.0	1.3	4.0	3.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.0					2.0	.0	3.0	1.1	1.6	3.0	
TOT OBS	136	321	173	9	4	643	12.1	100	186	188	169	
TOT PCT	21.2	49.9	26.9	1.4	.6	100.0	12.1	100.0	100.0	100.0	100.0	

JUNE

PERIOD: (PRIMARY) 1877-1969
(OVER-ALL) 1854-1969

AREA 0021 TRINIDADE
20.15 28.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	3.0	8.0	33.0	47.0	7.0	2.0	.0	12.8	100.0	100	
0600	1.1	8.1	38.7	44.1	6.5	1.6	.0	12.0	100.0	188	
1200	1.6	6.4	41.0	41.0	9.6	.5	.0	12.0	100.0	188	
1800	3.0	4.7	39.1	43.8	9.5	.0	.0	12.2	100.0	169	
TOT	13	43	248	280	53	6	0	12.1		643	
PCT	2.0	6.7	38.6	43.5	8.2	.9	.0		100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	11.8	1.5	5.9		4.8
E	10.3	11.8	4.4	.0		3.5
SE	7.4	23.5	5.9	.0		3.6
S	5.9	2.9	.0	.0		1.3
SW	.0	2.9	.0	.0		4.0
W	5.9	.0	.0	.0		1.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	5	9	2	1	17	3.4
TOT PCT	29.4	52.9	11.8	5.9	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	1.5	.0	.0	5.9	.0	.0	.0	.0	.0	.0	11.8
E	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.1
SE	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	30.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	5	9	2	1	1	1	1	0	0	0	0	17
TOT PCT	.0	5.9	.0	.0	5.9	5.9	.0	.0	.0	.0	.0	82.4

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	6.3	6.3	6.3	6.3	6.3
>1000	.0	6.3	6.3	12.5	12.5	12.5	12.5	12.5
>600	.0	6.3	6.3	12.5	12.5	12.5	12.5	12.5
>300	.0	6.3	6.3	12.5	12.5	12.5	12.5	12.5
>150	.0	12.5	12.5	18.8	18.8	18.8	18.8	18.8
>0	.0	12.5	12.5	18.8	18.8	18.8	18.8	18.8
TOTAL	0	2	2	3	3	3	3	3

TOTAL NUMBER OF OBS: 16

PCT FREQ NH <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.9	17.6	23.5	11.8	23.5	5.9	5.9	.0	5.9	.0	17

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

JUNE

AREA 0021 TRINIDADE
20.1S 28.5W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	4.3	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7
	NO PCP	2.2	7.6	12.0	4.3	.0	.0	4.3	.0	.0	.0	.0	30.4
	TOT %	6.5	12.0	12.0	4.3	.0	.0	4.3	.0	.0	.0	.0	39.1
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	4.3	6.5	17.4	19.6	6.5	2.2	.0	.0	.0	.0	.0	56.5
	TOT %	4.3	6.5	17.4	19.6	6.5	2.2	.0	.0	.0	.0	.0	56.5
TOT OBS													23
TOT PCT		10.9	18.5	29.3	28.3	6.5	2.2	4.3	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	3.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	3.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	3.0	.0	.0	.0	.0	.0	.0	3.0	6.1	
	4-10	4.3	9.8	6.8	3.0	.0	.0	4.3	1.5	.0	.0	30.3	
	11-21	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	22+	.0	3.0	.0	1.5	1.5	.0	.0	.0	.0	.0	6.1	
	TOT %	4.3	12.9	12.9	4.5	1.5	.0	4.3	1.5	.0	3.0	45.5	
10+	0-3	.0	.0	.0	3.0	3.0	.0	3.0	.0	.0	.0	9.1	
	4-10	.0	4.5	6.8	3.8	1.5	1.5	.0	.0	.0	.0	18.2	
	11-21	4.3	4.5	8.3	6.8	.0	.0	.0	.0	.0	.0	24.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	4.3	9.1	15.2	13.6	4.5	1.5	3.0	.0	.0	.0	51.5	
TOT OBS													33
TOT PCT		9.1	22.0	28.0	21.2	6.1	1.5	7.6	1.5	.0	3.0	100.0	

JUNE

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

AREA 0021 TRINDADE
20.15 28.3W

TABLE 10

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

HR	000	150	300	600	1000	2000	3000	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	599	1999	3499	4999	6499	7999				
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	14.3	.0	.0	14.3	.0	.0	.0	.0	.0	28.6	71.4	7
12015	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	25.0	75.0	4
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
TOT	0	1	0	0	1	1	0	0	0	0	3	14	17
PCT	.0	5.9	.0	.0	5.9	5.9	.0	.0	.0	.0	17.6	82.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	.0	.0	.0	66.7	33.3	6
06009	.0	.0	.0	.0	41.7	58.3	12
12015	.0	.0	11.1	.0	33.3	55.6	9
18021	.0	.0	.0	.0	50.0	50.0	6
TOT	0	0	1	0	15	17	33
PCT	.0	.0	3.0	.0	45.5	51.5	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<5000	<1	<5	AND5+	AND 3+	OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	16.7	16.7	16.7	66.7	6
12015	.0	.0	25.0	.0	75.0	4
18021	.0	.0	.0	.0	100.0	3
TOT	0	1	2	1	13	16
PCT	.0	6.3	12.5	6.3	81.3	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	PCT
									OBS	FREQ
80/84	.0	.0	.0	.0	.0	7.1	.0	.0	1	7.1
75/79	.0	.0	.0	.0	7.1	14.3	28.6	.0	7	50.0
70/74	.0	.0	.0	.0	7.1	14.3	14.3	7.1	6	42.9
TOTAL	0	0	0	0	2	4	7	1	14	100.0
PCT	.0	.0	.0	.0	14.3	28.6	50.0	7.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	5.4	1.8	.0	.0	.0	.0	.0	.0
75/79	14.3	17.9	3.6	7.1	7.1	.0	.0	.0	.0	.0
70/74	3.6	10.7	5.4	23.2	.0	.0	.0	.0	.0	.0
TOT	17.9	28.6	14.3	32.1	7.1	.0	.0	.0	.0	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	77	76	76	73	69	60	60	72.9	95
06009	81	78	76	73	69	61	60	73.1	175
12015	84	82	80	75	71	69	63	75.3	182
18021	82	80	78	74	70	68	67	73.8	153
TOT	84	82	79	74	70	67	60	73.9	605

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00003	.0	.0	33.3	.0	33.3	33.3	80	3
06009	.0	.0	14.3	42.9	42.9	.0	78	7
12015	.0	.0	.0	50.0	50.0	.0	80	2
18021	.0	.0	.0	.0	100.0	.0	86	2
TOT	0	0	2	4	7	.1	80	14

JUNE

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

AREA 0021 TRINIDADE
20.1S 28.5W

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	69 72	73 76	77 80	81 84	TOT	% FOG	% NO FOG
0	.0	6.3	12.5	.0	3	.0	18.8
-1	6.3	18.8	.0	6.3	5	.0	31.3
-2	.0	12.5	.0	.0	2	.0	12.5
-3	6.3	25.0	.0	.0	5	.0	31.3
-6	.0	6.3	.0	.0	1	.0	6.3
TOTAL	2	11	2	1	16	0	16
PCT	12.5	68.8	12.5	6.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	9.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	9.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	9.1
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	11.4	9.1	9.1	.0	.0	.0	29.5

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	9.1	.0	18.2	.0	.0	.0	27.3	.0	9.1	9.1	.0	.0	.0	.0	18.2
3-4	.0	6.8	.0	.0	.0	.0	6.8	.0	9.1	.0	.0	.0	.0	.0	9.1
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	9.1	6.8	18.2	.0	.0	.0	34.1	.0	18.2	9.1	.0	.0	.0	.0	27.3

PERIOD: (OVER-ALL) 1963-1969

JUNE

AREA 0021 TRINIDADF
20.1S 28.5W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	9.1	18.2	27.3	.0	.0	.0	54.5	54.5
3-4	.0	27.3	.0	.0	.0	.0	27.3	27.3
5-6	.0	.0	9.1	.0	.0	.0	9.1	9.1
7	.0	.0	.0	9.1	.0	.0	9.1	9.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	9.1	45.5	36.4	9.1	.0	.0	100.0	11

PERIOD: (OVER-ALL) 1953-1969

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	.0	21.4	14.3	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
6-7	.0	7.1	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
8-9	.0	7.1	.0	.0	7.1	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
TOTAL	1	5	4	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14	4
PCT	7.1	35.7	28.6	7.1	14.3	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1868-1970
(OVER-ALL) 1855-1970

AREA 0021 TRINDADE
20.05 28.84

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	81.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	96.2
S	.0	57.1	.0	.0	.0	.0	.0	57.1	.0	.0	.0	.0	.0	.0	42.9
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	4.3	.0	.0	.0	.0	.0	4.3	.0	.0	8.5	.0	.0	.0	87.2
TOT OBS:	47														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
0600	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	.0	75.0
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	92.3
1800	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	93.3
TOT PCT	.0	4.3	.0	.0	.0	.0	.0	4.3	.0	.0	8.5	.0	.0	.0	87.2
TOT OBS:	47														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.8	1.9	1.9	.1	.0	.0	4.8	10.3	.0	4.3	3.7	3.3	.0	6.5	5.2	4.3
NE	1.0	7.6	7.7	1.6	.0	.0	17.9	12.4	12.5	17.1	16.5	16.1	39.3	18.3	20.4	17.6
E	.9	9.4	21.0	4.5	.3	.0	36.0	14.4	87.5	34.8	36.2	40.0	32.1	37.3	29.0	36.2
SE	1.6	7.6	9.8	3.9	.4	.0	23.3	13.7	.0	25.6	23.4	21.7	14.3	22.3	25.3	24.5
S	.9	2.4	3.4	1.3	.1	.0	8.0	13.1	.0	8.5	9.2	6.7	.0	8.0	9.8	6.4
SW	.6	1.5	1.6	.7	.0	.0	4.3	12.0	.0	3.7	3.7	4.4	14.3	3.3	5.7	5.9
W	.2	.5	.6	.2	.0	.0	1.6	11.4	.0	.0	1.8	2.2	.0	1.5	1.7	2.1
NW	.6	1.1	.9	.0	.0	.0	2.6	8.7	.0	3.7	2.8	2.2	.0	3.0	2.9	1.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	.0	2.4	2.8	3.3	.0	.0	.0	2.1
TOT OBS	55	215	314	82	5	0	671	13.1	2	82	109	90	7	200	87	94
TOT PCT	8.2	32.0	46.8	12.2	.7	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40					00	03	06	09	12	15	18	21
N	1.3	2.4	1.0	.0	.0	4.8	10.3	4.2	3.5	6.3	4.7					
NE	3.3	9.0	5.1	.6	.0	17.9	12.4	17.0	19.3	19.0	18.9					
E	2.9	18.4	11.8	1.9	.0	36.0	14.4	36.0	37.9	37.1	32.7					
SE	4.2	10.0	8.7	.2	.1	23.3	13.7	25.0	22.6	22.0	24.9					
S	1.7	3.4	2.6	.2	.0	8.0	13.1	8.3	8.0	7.7	8.0					
SW	1.6	1.4	1.2	.1	.0	4.3	12.0	3.6	4.0	3.6	5.8					
W	.5	.7	.3	.0	.0	1.6	11.4	.0	2.0	1.4	1.9					
NW	1.2	1.0	.4	.0	.0	2.6	8.7	3.8	2.5	2.9	1.9					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CALM	1.5					1.5	.0	2.4	3.0	.0	1.1					
TOT OBS	129	311	209	21	1	671	13.1	84	199	207	181					
TOT PCT	19.2	46.3	31.1	3.1	.1	100.0		100.0	100.0	100.0	100.0					

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PERIOD: (PRIMARY) 1868-1970
(OVER-ALL) 1855-1970

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00603	2.4	7.1	33.3	41.7	14.3	1.2	.0	13.1	100.0	84
06609	3.0	4.0	34.2	46.2	11.6	1.0	.0	13.1	100.0	199
12615	.0	7.7	29.0	49.3	13.5	.5	.0	13.4	100.0	207
18621	1.1	8.3	32.6	47.0	10.5	.6	.0	12.6	100.0	181
TOT	10	45	215	314	82	5	0	13.1		671
PCT	1.5	6.7	32.0	46.8	12.2	.7	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8 OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	19.0	6.0	10.7	.0		3.0
E	14.3	3.6	13.1	4.8		4.1
SE	.0	4.8	9.5	.0		3.0
S	.0	4.8	.0	.0		3.0
SW	4.8	.0	.0	.0		2.0
W	4.8	.0	.0	.0		1.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	9	4	7	1	21	3.5
TOT PCT	42.9	19.0	33.3	4.8	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	33.3
E	.0	.0	.0	.0	.0	.0	4.8	2.4	.0	.0	.0	28.6
SE	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	9.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	9	4	7	1	21	2	1	0	0	0	0	18
TOT PCT	42.9	19.0	33.3	4.8	100.0	.0	9.5	4.8	.0	.0	.0	85.7

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
>3500	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>2000	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>1000	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>600	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>300	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>150	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>0	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
TOTAL	2	2	3	3	3	3	3	3

TOTAL NUMBER OF OBS: 21 PCT FREQ NH <5/8: 85.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	.0	31.8	18.2	22.7	9.1	9.1	4.5	4.5	.0	.0	22

PERIOD: (PRIMARY) 1868-1970
(OVER-ALL) 1855-1970

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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	4.3
	TOT %	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	4.3
5<10	PCP	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	4.3
	NO PCP	.0	1.1	17.0	14.9	1.1	.0	.0	.0	.0	.0	.0	34.0
	TOT %	.0	1.1	17.0	14.9	5.3	.0	.0	.0	.0	.0	.0	38.3
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	18.6	19.7	12.8	2.1	2.1	2.1	.0	.0	.0	.0	57.4
	TOT %	.0	18.6	19.7	12.8	2.1	2.1	2.1	.0	.0	.0	.0	57.4
TOT OBS													47
TOT PCT													.0 19.7 41.0 27.7 7.4 2.1 2.1 .0 .0 .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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	4.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	4.1
5<10	0-3	.0	1.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	4.1
	4-10	.0	.0	.0	11.2	5.1	.0	.0	.0	.0	.0	.0	16.3
	11-21	.0	.0	13.3	1.0	.0	.0	.0	.0	.0	.0	.0	14.3
	22+	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
	TOT %	.0	1.0	16.3	14.3	5.1	.0	.0	.0	.0	.0	.0	36.7
10+	0-3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
	4-10	.0	10.2	8.2	8.2	.0	.0	.0	.0	.0	.0	.0	26.3
	11-21	.0	3.6	14.8	4.1	2.0	2.0	2.0	.0	.0	.0	.0	28.6
	22+	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
	TOT %	.0	17.9	23.0	12.2	2.0	2.0	2.0	.0	.0	.0	.0	59.2
TOT OBS													49
TOT PCT													.0 18.9 43.4 26.5 7.1 2.0 2.0 .0 .0 .0 100.0

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
06009	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	33.3	66.7	6
12015	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	14.3	85.7	7
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
TOT	0	0	0	0	0	0	2	1	0	0	3	18	21
PCT	.0	.0	.0	.0	.0	.0	9.5	4.8	.0	.0	14.3	85.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	25.0	75.0	4
06009	.0	.0	.0	12.5	50.0	37.5	16
12015	.0	.0	.0	.0	23.1	76.9	13
18021	.0	.0	.0	.0	37.5	62.5	16
TOT	0	0	0	2	18	29	49
PCT	.0	.0	.0	4.1	36.7	59.2	100.0

TABLE 12

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

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	1
06009	.0	.0	16.7	16.7	66.7	6
12015	.0	.0	.0	14.3	85.7	7
18021	.0	.0	.0	.0	100.0	7
TOT	0	0	1	2	18	21
PCT	.0	.0	4.8	9.5	85.7	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
73/79	.0	.0	.0	7.5	2.5	15.0	.0	.0	10	25.0
70/74	.0	.0	.0	7.5	32.5	15.0	10.0	2.5	27	67.5
65/69	.0	.0	.0	2.5	.0	.0	2.5	2.5	3	7.5
TOTAL	0	0	0	7	14	12	5	2	40	100.0
PCT	.0	.0	.0	17.5	35.0	30.0	12.5	5.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
73/79	.0	10.0	7.5	5.0	.0	2.5	.0	.0	.0	.0
70/74	.0	10.6	25.6	25.0	3.8	.0	2.5	.0	.0	.0
65/69	.0	2.5	.0	2.5	2.5	.0	.0	.0	.0	.0
TOTAL	.0	23.1	33.1	32.5	6.3	2.5	2.5	.0	.0	.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
00003	76	75	74	72	68	67	67	71.8	81
06009	81	78	75	72	68	67	66	71.9	189
12015	87	82	78	74	70	66	64	74.2	205
18021	80	78	77	73	69	68	66	73.1	172
TOT	87	80	77	73	69	67	64	72.9	647

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
00003	.0	.0	50.0	.0	50.0	.0	73	2
06009	.0	7.7	38.5	23.1	15.4	15.4	74	13
12015	.0	27.3	27.3	45.5	.0	.0	69	11
18021	.0	21.4	35.7	28.6	14.3	.0	69	14
TOT	0	7	14	12	5	2	71	40

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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 TEM. DIF	65 68	69 72	73 76	77 80	TOT	W FOG	WD FOG
5	.0	.0	.0	4.9	2	.0	4.9
3	.0	.0	.0	2.4	1	.0	2.4
2	.0	2.4	4.9	2.4	4	.0	9.8
1	.0	.0	7.3	.0	3	.0	7.3
0	.0	2.4	17.1	2.4	9	4.9	17.1
-1	.0	2.4	12.2	.0	6	4.9	9.8
-2	.0	4.9	4.9	.0	4	.0	9.8
-3	.0	7.3	2.4	.0	4	.0	9.8
-4	2.4	9.8	.0	.0	5	.0	12.2
-5	.0	4.9	.0	.0	2	.0	4.9
-7/-8	2.4	.0	.0	.0	1	.0	2.4
TOTAL	2	20	5	41	4	37	
PCT	4.9	34.1	48.8	12.2	100.0	9.8	90.2

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	6.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	6.7	5.0	.0	.0	.0	.0	11.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	6.7
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	20.0	5.0	.0	.0	.0	.0	25.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	6.7	41.7	.0	.0	.0	48.3	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	41.7	.0	.0	.0	48.3	.0	.0	6.7	.0	.0	.0	.0	6.7

PERIOD: (OVER-ALL) 1963-1970

JULY

AREA 0021 TRINIDADE
20.05 28.6W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	6.7
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	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	6.7

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	6.7	.0	.0	.0	6.7	.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	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	6.7	.0	.0	.0	.0	6.7	
3-4	.0	13.3	46.7	.0	.0	.0	60.0	
5-6	.0	6.7	26.7	.0	.0	.0	33.3	
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	26.7	73.3	.0	.0	.0	100.0	15

PERIOD: (OVER-ALL) 1950-1970

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	.0	.0	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
6-7	.0	.0	30.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
8-9	.0	.0	.0	15.0	10.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
10-11	.0	.0	.0	.0	.0	10.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
INDET	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
TOTAL	.0	.0	7	6	3	2	1	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	6
PCT	.0	.0	35.0	30.0	15.0	10.0	5.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINIDADE
20.05 8.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGD WD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	20.3	6.8	.0	.0	.0	.0	.0	27.1	.0	.0	.0	.0	.0	.0	.0	72.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	23.5	.0	.0	.0	.0	.0	23.5	.0	.0	23.5	.0	.0	.0	.0	52.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	8.6	5.7	.0	.0	.0	.0	.0	14.3	.0	.0	2.9	.0	.0	.0	.0	82.9
TOT OBS:	35															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGD WD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	NO SIG WEA
0000	12.5	12.5	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	.0	75.0
0600	9.1	9.1	.0	.0	.0	.0	.0	18.2	.0	.0	9.1	.0	.0	.0	.0	72.7
1200	14.3	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0	85.7
1800	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	.0	81.8
TOT PCT	13.5	5.4	.0	.0	.0	.0	.0	18.9	.0	.0	2.7	.0	.0	.0	.0	78.4
TOT OBS:	37															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47				48+	00	03	06	09	12	15	18
N	1.1	2.1	1.5	.1	.0	.0	4.8	8.6	23.3	4.1	1.7	4.0	.0	6.9	3.1	5.8
NE	1.1	6.2	5.1	.6	.0	.0	13.0	10.5	.0	12.7	12.6	12.5	.0	16.7	11.2	9.4
E	1.2	11.1	20.8	4.8	.5	.0	38.4	14.1	66.7	40.6	41.9	37.5	.0	35.8	39.8	36.7
SE	1.2	6.6	16.3	4.5	.5	.0	29.1	15.2	.0	29.1	26.9	32.1	100.0	25.9	29.7	33.8
S	.3	3.4	3.4	.7	.0	.0	7.8	11.9	.0	7.8	9.5	8.9	.0	6.5	7.8	7.7
SW	.3	1.0	1.1	.2	.0	.0	2.6	10.9	.0	2.5	2.1	3.1	.0	2.4	3.1	2.7
W	.0	.7	.3	.0	.0	.0	1.0	8.5	.0	2.0	.8	.0	.0	1.3	1.6	.0
NW	.4	1.3	.9	.2	.0	.0	2.7	9.7	.0	1.2	2.9	1.8	.0	4.1	3.6	1.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7	.0	.0	.0	.0	.0	.7	.0	.0	.0	1.7	.0	.0	.4	.0	2.3
TOT OBS	51	264	403	90	8	0	816	13.2	3	122	121	112	1	231	96	130
TOT PCT	6.3	32.4	49.4	11.0	1.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	2.2	1.8	.7	.0	.0	4.8	8.6	4.8	2.8	6.9	4.6	
NE	4.0	6.4	2.6	.0	.0	13.0	10.5	12.4	12.6	16.6	10.2	
E	4.8	19.3	12.4	1.8	.0	38.4	14.1	41.2	39.8	35.7	38.1	
SE	3.2	11.6	13.1	1.2	.0	29.1	15.2	28.4	29.4	26.2	32.1	
S	2.0	4.1	1.2	.5	.0	7.8	11.9	7.6	9.2	6.5	7.7	
SW	1.0	.9	.5	.1	.0	2.6	10.9	2.4	2.6	2.4	2.9	
W	.5	.4	.1	.0	.0	1.0	8.5	2.0	.4	1.3	.7	
NW	1.0	1.3	.4	.0	.0	2.7	9.7	1.2	2.4	4.1	2.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.0	.0	.0	.0	.7	.0	.0	.9	.4	1.3	
TOT OBS	159	375	253	29	0	816	13.2	125	233	232	226	
TOT PCT	19.5	46.0	31.0	3.6	.0	100.0		100.0	100.0	100.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINIDADE
20.05 28.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	.0	6.4	32.8	50.4	9.6	.8	.0	12.8	100.0	125	
06009	.9	5.2	28.8	51.9	12.0	1.3	.0	13.7	100.0	233	
12015	.4	4.3	35.3	45.3	14.2	.4	.0	13.2	100.0	232	
18021	1.3	6.6	32.7	50.4	7.5	1.3	.0	12.7	100.0	226	
TOT	6	45	264	403	90	8	0	13.2		816	
PCT	.7	5.5	32.4	49.4	11.0	1.0	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.0	3.1	.0	.0	4.0	4.0
E	37.5	9.4	12.5	.0	2.3	2.3
SE	12.5	.0	12.5	.0	3.0	3.0
S	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	5	1	2	0	8	2.2
TOT PCT	62.5	12.5	25.0	.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
E	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	46.9
SE	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	12.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	5	1	2	0	1	1	0	0	0	0	0	8
TOT PCT	62.5	12.5	25.0	.0	12.5	12.5	.0	.0	.0	.0	.0	75.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>500D	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
>1000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>600	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>300	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>150	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 8 PCT FREQ NH <5/8: 75.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	8 OBS	TOTAL OBS
	25.0	25.0	12.5	12.5	.0	25.0	.0	.0	.0	.0	8

AUGUST

PERIOD: (PRIMARY) 1869-1975
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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	11.4	.0	2.9	.0	.0	.0	.0	.0	.0	.0	14.3
	NO PCP	4.3	30.0	7.1	2.9	.0	2.9	.0	4.3	.0	.0	.0	51.4
	TOT %	4.3	41.4	7.1	5.7	.0	2.9	.0	4.3	.0	.0	.0	65.7
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	2.9	.7	21.4	6.4	2.9	.0	.0	.0	.0	.0	.0	34.3
	TOT %	2.9	.7	21.4	6.4	2.9	.0	.0	.0	.0	.0	.0	34.3
TOT OBS													35
TOT PCT		7.1	42.1	28.6	12.1	2.9	2.9	.0	4.3	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.9	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
	4-10	1.8	14.0	2.6	6.1	.9	.0	.0	2.6	.0	.0	.0	28.1
	11-21	.0	3.3	1.8	.9	2.6	3.3	.0	.0	.0	.0	.0	14.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	2.6	23.4	4.4	7.0	3.3	3.3	.0	2.6	.0	.0	.0	49.1
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.4	9.6	3.1	.9	.0	.0	.0	.0	.0	.0	14.0
	11-21	3.3	2.6	14.9	2.6	11.4	1.8	.0	.0	.0	.0	.0	36.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	3.3	3.1	24.6	5.7	12.3	1.8	.0	.0	.0	.0	.0	50.9
TOT OBS													57
TOT PCT		6.1	28.5	28.9	12.7	15.8	5.3	.0	2.6	.0	.0	.0	100.0

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PERIOD: (PRIMARY) 1869-1975
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TABLE 10

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

HR (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
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	1
18021	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0	50.0	2
TOT	0	0	0	0	1	1	0	0	0	0	2	6	8
PCT	.0	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	25.0	75.0	100.0

TABLE 11

PERCENT FREQUENCY VS BY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	54.5	45.5	11
06009	.0	.0	.0	.0	55.6	44.4	18
12015	.0	.0	.0	.0	45.5	54.5	11
18021	.0	.0	.0	.0	47.4	52.6	19
TOT	0	0	0	0	30	29	59
PCT	.0	.0	.0	.0	50.8	49.2	100.0

TABLE 12

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

HR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	100.0	.0	1
18021	.0	.0	.0	50.0	50.0	2
TOT	0	0	0	2	6	8
PCT	.0	.0	.0	25.0	75.0	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
75/79	.0	.0	.0	.0	.0	11.1	3.7	22.2	10	37.0
70/74	.0	.0	.0	.0	.0	29.6	7.4	18.5	15	55.6
65/69	.0	.0	.0	.0	.0	3.7	3.7	.0	2	7.4
TOTAL	0	0	0	0	0	12	4	11	27	100.0
PCT	.0	.0	.0	.0	.0	44.4	14.8	40.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	1.9	18.5	14.8	.0	.0	.0	.0	1.9	.0	.0
70/74	7.4	11.1	17.6	8.3	3.7	3.7	.0	3.7	.0	.0
65/69	.0	.0	.0	7.4	.0	.0	.0	.0	.0	.0
TOTAL	9.3	29.6	32.4	15.7	3.7	3.7	.0	5.6	.0	.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	77	75	74	71	67	66	64	70.9	121
06009	78	77	76	71	67	65	65	71.3	225
12015	82	81	78	73	69	66	62	73.5	233
18021	79	78	76	72	68	67	67	72.3	219
TOT	82	79	77	72	68	66	62	72.2	798

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	42.9	.0	57.1	85	7
06009	.0	.0	.0	28.6	28.6	42.9	85	7
12015	.0	.0	.0	50.0	16.7	33.3	83	6
18021	.0	.0	.0	44.4	33.3	22.2	81	9
TOT	0	0	0	12	6	11	84	29

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PERIOD: (PRIMARY) 1869-1975
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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	69 72	73 76	77 80	TOT	N FOG	NO FOG
9/10	.0	5.0	5.0	2	.0	10.0
7/8	.0	5.0	.0	1	.0	5.0
4	.0	5.0	.0	1	.0	5.0
3	.0	5.0	.0	1	.0	5.0
1	5.0	10.0	.0	3	.0	15.0
0	5.0	10.0	.0	3	.0	15.0
-1	.0	10.0	.0	2	.0	10.0
-2	10.0	10.0	.0	4	.0	20.0
-3	5.0	.0	.0	1	.0	5.0
-4	5.0	.0	.0	1	.0	5.0
-5	5.0	.0	.0	1	.0	5.0
TOTAL	7	12	1	20	0	20
PCT	35.0	60.0	5.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	16.7	16.7	.0	.0	.0	33.3	.0	.0	16.7	.0	.0	.0	.0	16.7
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	50.0	16.7	.0	.0	.0	66.7	.0	.0	16.7	.0	.0	.0	.0	16.7

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	16.7	.0	.0	.0	.0	16.7	
1-2	.0	16.7	16.7	.0	.0	.0	33.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	16.7	33.3	.0	.0	.0	50.0	
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	50.0	50.0	.0	.0	.0	100.0	6

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	.0	14.3	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
6-7	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
8-9	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	1	2	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6
PCT	14.3	28.6	.0	14.3	.0	.0	42.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	80.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	71.4
E	.0	6.3	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	93.8
SE	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	6.5	.0	.0	.0	.0	.0	6.5	.0	.0	6.5	.0	.0	.0	87.1
TOT OBS:	31														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
06009	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	11.1	.0	.0	.0	77.8
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	88.9
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	6.5	.0	.0	.0	.0	.0	6.5	.0	.0	6.5	.0	.0	.0	87.1
TOT OBS:	31														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.4	4.9	3.2	.4	.0	.0	9.9	9.4	.0	6.8	9.9	4.9	20.0	11.5	13.3	11.4	
NE	1.3	8.6	8.9	.7	.0	.0	19.5	11.1	.0	19.1	19.9	21.2	.0	20.7	16.0	19.9	
E	2.4	13.1	17.7	4.0	.0	.0	37.2	12.6	25.0	29.0	35.7	38.9	40.0	37.5	37.2	35.4	
SE	.8	6.5	8.4	2.9	.2	.0	18.6	13.5	18.8	20.8	16.8	21.9	20.0	18.2	18.5	16.8	
S	.8	1.8	2.1	.7	.3	.0	5.6	12.8	43.3	6.8	7.8	3.6	20.0	3.5	4.7	7.1	
SW	.3	.7	.7	.3	.0	.0	2.0	11.9	12.5	.9	2.1	2.6	.0	1.2	3.0	2.5	
W	.4	.6	.2	.1	.0	.0	1.3	8.3	.0	.9	.8	1.6	.0	1.2	1.3	1.9	
NW	.6	1.9	.4	.2	.0	.0	3.1	8.2	.0	2.2	2.7	2.0	.0	3.8	4.7	3.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.7	.0	.0	.0	.0	.0	2.7	.0	.0	3.7	4.3	3.3	.0	2.4	1.3	1.6	
TOT OBS	121	429	470	105	5	0	1130	11.6	4	161	187	153	5	288	150	182	
TOT PCT	10.7	38.0	41.6	9.3	.4	.0	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)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	3.5	5.2	1.3	.0	.0	9.9	9.4	6.7	7.6	11.6	12.3
NE	4.6	10.7	4.1	.1	.0	19.5	11.1	18.6	20.5	20.3	18.1
E	6.8	19.1	10.8	.9	.0	37.2	12.6	38.6	37.1	37.5	36.2
SE	3.5	8.5	6.2	.4	.1	18.6	13.5	20.5	19.1	18.3	17.5
S	1.7	2.3	1.3	.3	.3	5.6	12.8	7.7	5.9	3.8	6.0
SW	.6	.7	.7	.0	.0	2.0	11.9	1.2	2.4	1.2	2.7
W	.7	.4	.3	.1	.0	1.3	8.3	.9	1.2	1.2	1.7
NW	1.4	1.5	.3	.0	.0	3.1	8.2	2.1	2.4	3.8	3.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.7	.0	.0	.0	.0	2.7	.0	3.6	3.8	2.4	1.5
TOT OBS	289	547	278	12	4	1130	11.6	165	340	293	232
TOT PCT	25.6	48.4	24.6	1.1	.4	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	1-3	4-10	WIND SPEFD (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00&03	3.6	6.1	34.5	47.3	7.3	1.2	.0	12.0	100.0	165	
06&09	3.8	7.4	39.1	38.8	10.6	.3	.0	11.6	100.0	340	
12&15	2.4	6.8	38.6	41.6	10.2	.3	.0	12.0	100.0	293	
18&21	1.5	10.5	38.0	41.6	8.1	.3	.0	11.2	100.0	322	
TOT	3.1	9.0	42.9	47.0	10.5	.5	.0	11.6		1130	
PCT	2.7	8.0	38.0	41.6	9.3	.4	.0		100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	.0	.0	.0	1.7	8.0	8.0
E	5.0	13.3	20.0	5.0	5.0	5.0
SE	8.3	.0	.0	5.0	4.2	4.2
S	3.3	.0	.0	21.7	7.2	7.2
SW	3.3	.0	.0	.0	2.0	2.0
W	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	4	3	3	5	15	5.1
TOT PCT	26.7	20.0	20.0	33.3	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	
.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0
.0	.0	.0	6.7	6.7	6.7	5.0	.0	.0	.0	18.3	
.0	.0	.0	3.3	1.7	.0	.0	.0	.0	.0	8.3	
.0	.0	6.7	10.0	5.0	.0	.0	.0	.0	.0	3.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	
.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	1	3	2	1	1	0	0	0	7	15
.0	.0	6.7	20.0	13.3	6.7	6.7	.0	.0	.0	46.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.0	.0	.0	.0	.0	.0	.0	.0
>3000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	6.7	6.7	6.7	6.7	6.7	6.7
>2000	.0	6.7	13.3	13.3	13.3	13.3	13.3	13.3
>1000	13.3	20.0	26.7	26.7	26.7	26.7	26.7	26.7
>600	33.3	40.0	46.7	46.7	46.7	46.7	46.7	46.7
>300	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3
>150	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3
>0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3
TOTAL	6	7	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 15 PCT FREQ NH <5/8: 46.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.7	.0	20.0	6.7	13.3	20.0	.0	13.3	20.0	.0	15

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TABLE 8

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

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	3.2
	TOT %	.0	.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	3.2
5<10	PCP	.0	.0	3.2	3.2	.0	.0	.0	.0	.0	.0	.0	6.5
	NO PCP	1.6	16.1	30.6	.0	1.6	1.6	.0	.0	.0	.0	.0	51.6
	TOT %	1.6	16.1	33.9	3.2	1.6	1.6	.0	.0	.0	.0	.0	58.1
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	6.5	.0	15.3	6.5	10.5	.0	.0	.0	.0	.0	.0	38.7
	TOT %	6.5	.0	15.3	6.5	10.5	.0	.0	.0	.0	.0	.0	38.7
TOT OBS													31
TOT PCT		8.1	16.9	51.6	9.7	12.1	1.6	.0	.0	.0	.0	.0	100.0

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	2.9	.7	2.1	.0	.0	.0	.0	2.9	.0	.0	.0	8.6
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	2.9	.7	2.1	.0	.0	.0	.0	2.9	.0	.0	.0	8.6
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.4	8.6	15.7	.0	1.4	1.4	.0	.0	.0	.0	.0	28.6
	11-21	.0	5.7	11.4	2.9	.0	.0	.0	.0	.0	.0	.0	20.0
	22+	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	2.9
	TOT %	1.4	14.3	30.0	2.9	1.4	1.4	.0	.0	.0	.0	.0	51.4
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	5.7	.0	.0	4.3	7.1	2.9	.0	.0	.0	.0	.0	20.0
	11-21	.0	.0	13.6	1.4	5.0	.0	.0	.0	.0	.0	.0	20.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	5.7	.0	13.6	5.7	12.1	2.9	.0	.0	.0	.0	.0	40.0
TOT OBS													35
TOT PCT		10.0	15.0	45.7	8.6	13.6	4.3	.0	2.9	.0	.0	.0	100.0

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PERIOD: (PRIMARY) 1867-1975
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TABLE 10

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

HR (GMT)	000	180	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	25.0	25.0	25.0	.0	.0	.0	.0	75.0	25.0	4
06009	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	33.3	66.7	3
12015	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	.0	40.0	60.0	5
18021	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	66.7	33.3	3
TOT	0	0	1	3	2	1	1	0	0	0	8	7	15
PCT	.0	.0	6.7	20.0	13.3	6.7	6.7	.0	.0	.0	53.3	46.7	100.0

TABLE 11

PERCENT FREQUENCY VS8Y (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	66.7	33.3	6
06009	.0	.0	.0	11.1	66.7	22.2	9
12015	.0	.0	.0	9.1	36.4	54.5	11
18021	.0	.0	.0	11.1	44.4	44.4	9
TOT	0	0	0	3	18	14	35
PCT	.0	.0	.0	8.6	51.4	40.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VS8Y (NH) AND/OR CEILING HGT (FEET, NH >4/8) BY HOUR

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	25.0	50.0	25.0	4
06009	.0	.0	33.3	.0	66.7	3
12015	.0	20.0	40.0	.0	60.0	5
18021	.0	.0	33.3	33.3	33.3	3
TOT	0	1	5	3	7	15
PCT	.0	6.7	33.3	20.0	46.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-25	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	5.9	52.9	29.4	.0	15	88.2
69/69	.0	.0	.0	.0	.0	5.9	.0	.0	1	5.9
60/64	.0	.0	.0	.0	.0	.0	5.9	.0	1	5.9
TOTAL	.0	0	0	0	1	10	6	0	17	100.0
PCT	.0	.0	.0	.0	5.9	58.8	35.3	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	20.6	42.6	5.9	19.1	.0	.0	.0	.0	.0
69/69	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
60/64	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	11.8	20.6	42.6	5.9	19.1	.0	.0	.0	.0	.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00003	76	75	75	71	68	66	65	71.2	154
06009	77	76	75	72	68	66	64	71.4	319
12015	83	81	79	74	69	67	63	73.8	285
18021	80	79	77	73	69	67	67	72.9	308
TOT	83	80	77	72	68	67	63	72.5	1066

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	33.3	66.7	.0	.0	.0	80	3
06009	.0	.0	.0	75.0	25.0	.0	.0	.0	77	4
12015	.0	.0	.0	60.0	40.0	.0	.0	.0	79	5
18021	.0	.0	20.0	60.0	20.0	.0	.0	.0	75	3
TOT	0	0	1	10	6	0	0	0	77	17

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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	TOT	W FOG	WD FOG
2	.0	.0	.0	3.3	1	.0	3.3
1	.0	.0	.0	13.3	4	.0	13.3
0	.0	3.3	6.7	4.7	5	3.3	13.3
-1	.0	.0	10.0	10.7	8	3.3	23.3
-2	3.3	.0	26.7	.0	9	.0	30.0
-3	.0	.0	3.3	.0	1	.0	3.3
-4	.0	3.3	.0	.0	1	.0	3.3
-5	.0	.0	3.3	.0	1	.0	3.3
TOTAL	1		15		30	2	28
PCT	3.3	2	50.0	40.0	100.0	6.7	93.3

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	4.2
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	4.2

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	12.5	16.7	.0	.0	.0	29.2	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	62.5	.0	.0	.0	62.5	.0	.0	4.2	.0	.0	.0	.0	4.2
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	79.2	.0	.0	.0	91.7	.0	.0	4.2	.0	.0	.0	.0	4.2

PERIOD: (OVER-ALL) 1963-1975

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TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	16.7	16.7	.0	.0	.0	33.3	.0
5-6	.0	.0	66.7	.0	.0	.0	66.7	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	16.7	83.3	.0	.0	.0	100.0	6

PERIOD: (OVER-ALL) 1952-1975

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	.0	.0	10.0	20.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
10-11	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2
12-13	.0	.0	10.0	.0	.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	0	0
INDET	.0	.0	.0	.0	.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
TOTAL	.0	2	2	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5
PCT	.0	20.0	20.0	20.0	10.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1868-1967
(OVER-ALL) 1854-1967

AREA 0021 TRINDADE
20.13 28.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	.0	90.5
SE	.0	.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	.0	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	96.9
TOT OBS:	32															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
0003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	88.9
0609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1215	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1821	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	96.9
TOT OBS:	32															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.1	7.1	4.5	.3	.0	.0	13.1	9.6	.0	12.8	10.4	10.7	25.0	15.0	13.5	12.7
NE	1.4	10.7	11.2	.7	.0	.0	24.1	11.2	20.8	21.8	22.3	24.8	25.0	24.9	29.0	21.5
E	1.4	11.2	17.3	2.2	.0	.0	32.1	12.5	45.8	34.2	31.4	36.3	25.0	30.3	30.2	33.6
SE	.4	4.4	10.2	1.9	.0	.0	16.9	13.9	4.2	18.6	20.4	18.5	8.3	15.4	12.3	18.6
S	.2	1.8	2.3	.7	.0	.0	5.0	13.1	12.5	5.8	4.4	3.3	16.7	3.9	6.7	7.2
SW	.3	.4	.7	.3	.0	.0	1.7	11.8	.0	1.5	2.5	.7	.0	2.3	1.6	.6
W	.1	.2	.3	.1	.0	.0	.7	12.6	.0	.4	.3	1.9	.0	1.0	.0	.3
NW	.9	3.1	1.2	.1	.0	.0	5.3	8.2	.0	4.1	6.9	1.5	.0	6.3	6.0	5.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	16.7	.8	1.3	2.2	.0	1.0	.8	.0
TOT OBS	77	445	547	73	1	0	1143	11.7	8	133	159	135	6	421	126	157
TOT PCT	6.7	38.9	47.9	6.4	.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	3.8	8.3	1.0	.0	.0	13.1	9.6	12.2	10.5	15.1	13.1	
NE	4.3	15.4	4.2	.3	.0	24.1	11.2	21.8	23.5	24.9	24.8	
E	4.9	18.5	8.5	.2	.0	32.1	12.5	34.7	33.7	30.2	32.1	
SE	1.7	9.3	5.5	.4	.0	16.9	13.9	18.0	19.6	15.3	15.8	
S	.9	2.7	1.2	.2	.0	5.0	13.1	6.1	3.9	4.1	7.0	
SW	.6	.7	.5	.0	.0	1.7	11.8	1.4	1.7	2.2	1.1	
W	.1	.4	.2	.0	.0	.7	12.6	.4	1.0	.9	.2	
NW	2.3	2.8	.1	.1	.0	5.3	8.2	4.0	4.4	6.2	5.7	
VAR	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0					1.0	.0	1.4	1.7	.9	.4	
TOT OBS	223	664	242	14	0	1143	11.7	139	294	427	283	
TOT PCT	19.5	58.1	21.2	1.2	.0	100.0		100.0	100.0	100.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1860-1967
(OVER-ALL) 1854-1967

AREA 0021 TRINIDADE
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	1.4	5.0	31.7	56.1	5.8	.0	.0	12.1	100.0	139	
06009	1.7	4.8	37.1	50.7	5.8	.0	.0	11.9	100.0	294	
12015	.9	6.3	39.8	47.1	5.9	.0	.0	11.4	100.0	427	
18021	.4	6.0	43.1	42.0	8.1	.4	.0	11.7	100.0	283	
TOT	12	65	445	547	73	1	0	11.7		1143	
PCT	1.0	5.7	38.9	47.9	6.4	.1	.0		100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	4.5	11.4	.0		5.7
E	6.8	9.1	11.4	4.5		4.4
SE	4.5	1.1	.0	.0		2.0
S	11.4	3.4	.0	.0		2.4
SW	.0	4.5	.0	.0		3.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	4.5	.0	.0		3.0
TOT OBS	5	8	6	3	22	4.5
TOT PCT	22.7	36.4	27.3	13.6	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	9.1	4.5	.0	.0	.0	9.1	
NE	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	14.8	
E	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	23.9	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
TOT OBS	5	8	6	3	22	4	1	0	0	0	17	22
TOT PCT	.0	.0	.0	.0	.0	18.2	4.5	.0	.0	.0	77.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
>2000	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>1000	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>600	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>300	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>150	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>0	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
TOTAL	0	4	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 22

PCT FREQ NH <5/8: 77.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.1	9.1	22.7	18.2	18.2	13.6	.0	4.5	4.5	.0	22

PERIOD: (PRIMARY) 1868-1967
(OVER-ALL) 1854-1967

OCTUBER

AREA 0021 TRINDADE
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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	3.1	.0
	TOT %	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	3.1	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	6.3	.0
	TOT %	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	6.3	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	29.0	7.8	10.9	.8	2.3	3.1	.0	.0	.0	3.1	53.1	.0
	TOT %	29.0	7.8	10.9	.8	2.3	3.1	.0	.0	.0	3.1	53.1	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	4.7	6.3	12.5	4.7	7.8	.0	.0	1.6	.0	.0	27.5	.0
	TOT %	4.7	6.3	12.5	4.7	7.8	.0	.0	1.6	.0	.0	27.5	.0
TOT OBS													32
TOT PCT		29.7	14.1	32.8	5.5	10.2	3.1	.0	1.6	.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	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	.0
	11-21	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	3.4	.0
5<10	0-3	5.1	.0	.0	.0	.0	.0	.0	1.7	.0	1.7	8.5	.0
	4-10	1.7	5.1	1.7	.4	1.3	.0	.0	.0	.0	.0	10.2	.0
	11-21	6.8	5.9	4.2	.0	.0	1.7	.0	.0	.0	.0	18.6	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	13.6	11.0	5.9	.4	1.3	1.7	.0	1.7	.0	1.7	37.3	.0
10+	0-3	1.7	3.4	.0	.0	.0	.0	.0	.0	.0	1.7	6.8	.0
	4-10	2.5	6.8	7.6	1.7	.0	.0	.0	.0	.0	.0	18.6	.0
	11-21	2.5	13.6	4.2	6.8	4.2	.0	.0	.8	.0	.0	32.2	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	6.8	23.7	11.9	8.5	4.2	.0	.0	.8	.0	1.7	57.6	.0
TOT OBS													59
TOT PCT		20.3	34.7	22.9	8.9	5.5	1.7	.0	2.5	.0	3.4	100.0	

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
(GMT)	149	299	399	999	1999	3499	4999	6499	7999				
00603	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	25.0	75.0	8
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
12615	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	25.0	75.0	4
18621	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	33.3	66.7	6
TOT	0	0	0	0	0	4	1	0	0	0	5	17	22
PCT	.0	.0	.0	.0	.0	18.2	4.5	.0	.0	.0	22.7	77.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							DBS
00603	.0	.0	.0	7.1	57.1	35.7	14
06609	.0	.0	.0	.0	42.9	57.1	14
12615	.0	.0	.0	.0	16.7	83.3	12
18621	.0	.0	5.3	5.3	31.6	57.9	19
TOT	0	0	1	2	22	34	59
PCT	.0	.0	1.7	3.4	37.3	57.6	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<500D	<1	<5	AND 5+	AND 5+	DBS
00603	.0	.0	12.5	12.5	75.0	8
06609	.0	.0	.0	.0	100.0	4
12615	.0	.0	.0	25.0	75.0	4
18621	.0	.0	.0	33.3	66.7	6
TOT	0	0	1	4	17	22
PCT	.0	.0	4.5	18.2	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	PCT
									DBS	FREQ
75/79	.0	.0	.0	.0	14.3	14.3	.0	.0	2	28.6
70/74	.0	.0	.0	.0	28.6	28.6	.0	14.3	5	71.4
TOTAL	0	0	0	0	3	3	0	1	7	100.0
PCT	.0	.0	.0	.0	42.9	42.9	.0	14.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	14.3	.0	14.3	.0	.0	.0	.0	.0	.0	.0
70/74	28.6	.0	35.7	7.1	.0	.0	.0	.0	.0	.0
TOTAL	42.9	.0	50.0	7.1	.0	.0	.0	.0	.0	.0

TABLE 15

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

HR	MAX	95%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									DBS
00603	79	77	76	73	68	65	64	72.3	134
06609	82	78	77	73	68	66	65	72.6	258
12615	86	83	81	79	70	68	67	75.3	418
18621	87	83	78	74	69	68	66	73.7	272
TOT	87	82	79	74	69	67	64	73.8	1112

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								DBS
00603	.0	.0	100.0	.0	.0	.0	61	1
06609	.0	.0	.0	100.0	.0	.0	72	2
12615	.0	.0	50.0	25.0	.0	25.0	76	4
18621	0	0	3	3	0	1	73	7

OCTOBER

PERIOD: (PRIMARY) 1868-1967
(OVER-ALL) 1854-1967

TABLE 17

AREA 0021 TRINIDADE
20.15 28.6W

PCT FRQ 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	TOT	W FOG	WO FOG
4	.0	7.7	1	.0	7.7
2	15.4	.0	2	.0	15.4
1	15.4	.0	2	.0	15.4
0	15.4	.0	2	.0	15.4
-1	23.1	.0	3	.0	23.1
-2	15.4	.0	2	.0	15.4
-3	7.7	.0	1	.0	7.7
TOTAL	12		13	0	13
PCT	92.3	7.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

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

HGT	N						NE							
	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	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.3	.0	.0	.0	23.3
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	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	23.3	.0	.0	.0	23.3

HGT	E						SE							
	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	13.3	.0	.0	.0	.0	13.3	.0	1.7	3.3	.0	.0	.0	5.0
3-4	.0	.0	23.3	.0	.0	.0	23.3	.0	.0	.0	.0	.0	.0	.0
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	.0	13.3	23.3	.0	.0	.0	36.7	.0	1.7	3.3	.0	.0	.0	5.0

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

HGT	S							SW							TOTAL PCT
	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	.0
1-2	.0	5.0	10.0	.0	.0	.0	15.0	.0	.0	6.7	.0	.0	.0	.0	6.7
3-4	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	5.0	16.7	.0	.0	.0	21.7	.0	.0	6.7	.0	.0	.0	.0	6.7

HGT	W							NW							TOTAL PCT
	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	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	6.7	20.0	20.0	.0	.0	.0	46.7	.0
3-4	.0	.0	53.3	.0	.0	.0	53.3	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	6.7	20.0	73.3	.0	.0	.0	100.0	15

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	.0	35.3	41.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
6-7	.0	.0	5.9	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
8-9	.0	.0	.0	.0	5.9	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	0	6	8	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	3
PCT	.0	35.3	47.1	.0	11.8	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINDADE
20.15 28.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZLN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWLG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	90.0
E	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
SE	3.0	.0	12.1	.0	.0	.0	.0	19.2	.0	.0	.0	.0	.0	.0	84.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	80.0	.0	.0	.0	.0	80.0	.0	.0	.0	.0	.0	.0	20.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	4.5	.0	9.1	.0	.0	.0	.0	13.6	.0	.0	4.5	.0	.0	.0	81.8
TOT OBS:	22														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZLN PCPN	MAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWLG DUST	NO SIG WEA
00003	.0	.0	14.3	.0	.0	.0	.0	14.3	.0	.0	14.3	.0	.0	.0	71.4
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	85.7
12015	.0	.0	25.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
18021	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	75.0
TOT PCT	3.8	.0	7.7	.0	.0	.0	.0	11.5	.0	.0	11.5	.0	.0	.0	76.9
TOT OBS:	26														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.2	8.5	5.4	1.3	.2	.0	16.6	10.9	.0	14.3	12.2	15.8	25.0	19.3	18.2	16.1
NE	2.2	16.4	14.2	2.0	.1	.0	34.8	11.2	25.0	23.9	36.9	27.1	25.0	33.6	35.7	33.9
E	1.4	10.1	16.1	2.6	.0	.0	30.3	12.8	.0	34.2	35.3	33.3	.0	28.4	26.0	28.5
SE	.3	2.8	3.1	1.0	.0	.0	7.1	13.1	25.0	6.2	7.0	6.2	25.0	7.4	6.1	8.2
S	.2	.9	.7	.0	.0	.0	1.8	10.4	18.8	1.3	.7	.7	.0	2.6	1.5	2.3
SW	.2	.5	.2	.0	.0	.0	.9	8.0	31.3	1.0	.7	.2	25.0	.7	.7	1.1
W	.5	.8	.1	.0	.0	.0	1.3	6.2	.0	1.5	1.6	2.2	.0	1.2	1.0	.6
NW	.8	4.0	1.5	.2	.1	.0	6.5	8.7	.0	5.0	5.2	4.5	.0	6.0	10.4	8.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.0	2.0	.5	.0	.0	.0	.5	.8
TOT OBS	118	693	651	112	5	0	1579	11.4	4	199	221	209	4	500	206	236
TOT PCT	7.3	43.9	41.2	7.1	.3	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12	15
N	5.2	8.1	2.7	.6	.0	16.6	10.9	14.0	14.0	19.3	17.1			
NE	8.7	18.3	7.2	.6	.0	34.8	11.2	33.7	37.0	33.5	34.7			
E	4.8	16.0	9.0	.4	.0	30.3	12.8	33.5	34.3	28.2	27.3			
SE	1.3	3.6	1.9	.3	.0	7.1	13.1	7.1	6.6	7.5	7.2			
S	.4	1.0	.3	.0	.0	1.8	10.4	1.6	.7	2.6	1.9			
SW	.2	.6	.0	.0	.0	.9	8.0	1.6	.5	.9	.9			
W	.6	.7	.0	.0	.0	1.3	6.2	1.5	1.9	1.2	.8			
NW	2.8	3.1	.5	.1	.0	6.5	8.7	4.9	4.9	6.0	9.4			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	.8					.8	.0	2.0	.2	.8	.7			
TOT OBS	393	814	342	30	0	1579	11.4	203	430	504	442			
TOT PCT	24.9	51.6	21.7	1.9	.0	100.0		100.0	100.0	100.0	100.0			

NOVEMBER

PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINDADE
20.15 28.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00E03	2.0	7.4	48.8	34.5	7.4	.0	.0	10.9	100.0	203	
06E09	.2	7.7	41.6	42.1	8.1	.2	.0	11.8	100.0	430	
12E15	.8	5.2	41.9	43.7	8.1	.4	.0	11.8	100.0	504	
18E21	.7	7.2	46.2	40.7	4.8	.5	.0	10.9	100.0	442	
TOT	12	106	693	651	112	5	0	11.4		1579	
PCT	.8	6.7	43.9	41.2	7.1	.3	.0		100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	27.3	9.1	.0		4.2
E	.0	.0	.0	.0		.0
SE	9.1	9.1	27.3	.0		4.4
S	.0	.0	6.8	.0		5.0
SW	.0	.0	2.3	.0		5.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	4	6		11	4.5
TOT PCT	9.1	36.4	54.5	.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	
NE	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	27.3	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	36.4	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	4	6	2	2	2	2	2	2	2	11	
TOT PCT	9.1	36.4	54.5	18.2	9.1	9.1	9.1	9.1	9.1	9.1	61.8	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	.0	.0	.0	.0	.0
>1000	.0	.0	.0	.0	.0	.0	.0	.0
>600	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>300	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>150	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>0	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 12

PCT FREQ NH <5/8: 63.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
16.7	8.3	8.3	16.7	33.3	8.3	.0	8.3	.0	.0	12

NOVEMBER

PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINIDADE
20.15 28.6W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	4.5	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	4.5	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	27.3	.0	4.5	.0	.0	.0	.0	.0	.0	31.8	.0
	TOT %	.0	27.3	.0	4.5	.0	.0	.0	.0	.0	.0	31.8	.0
10+	PCP	.0	.0	3.4	5.7	.0	.0	.0	.0	.0	.0	9.1	.0
	NO PCP	4.5	18.2	.0	27.3	3.4	1.1	.0	.0	.0	.0	54.5	.0
	TOT %	4.5	18.2	3.4	33.0	3.4	1.1	.0	.0	.0	.0	63.6	.0
TOT OBS													22
TOT PCT		4.5	45.5	3.4	37.5	3.4	5.7	.0	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	.0
5<10	0-3	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0
	4-10	.0	13.5	.0	.0	.0	.0	.0	.0	.0	.0	13.5	.0
	11-21	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	2.7	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	16.2	.0	2.7	.0	.0	.0	.0	.0	.0	18.9	.0
10+	0-3	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0
	4-10	2.7	21.6	10.1	11.5	2.0	3.4	.0	.0	.0	.0	51.4	.0
	11-21	2.7	8.1	.0	9.5	1.4	.0	.0	.0	.0	.0	21.6	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	5.4	32.4	10.1	20.9	3.4	3.4	.0	.0	.0	.0	75.7	.0
TOT OBS													37
TOT PCT		5.4	48.6	10.1	23.6	3.4	8.8	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1970-1975
(OVER-ALL) 1954-1975

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 10

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

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999			ANY HGT	OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	33.3	66.7	3
12015	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0	50.0	2
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
TOT	0	0	0	2	0	0	0	0	0	0	2	10	12
PCT	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	16.7	83.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
							OBS
00003	.0	.0	.0	11.1	22.2	66.7	9
06009	.0	.0	.0	.0	27.3	72.7	11
12015	.0	.0	12.5	.0	12.5	75.0	8
18021	.0	.0	.0	.0	23.1	76.9	13
TOT	0	0	1	1	9	30	41
PCT	.0	.0	2.4	2.4	22.0	73.2	100.0

TABLE 12

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

HOURL (GMT)	<150	<600	<1000	1000+	NH <5/8	TOTAL
	<50YD	<1	<5	AND 5+	AND 5+	OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	.0	33.3	.0	66.7	3
12015	.0	.0	50.0	.0	50.0	2
18021	.0	.0	.0	.0	100.0	4
TOT	0	0	2	0	10	12
PCT	.0	.0	16.7	.0	83.3	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	PCT
									OBS	FREQ
80/84	.0	.0	.0	.0	4.5	.0	.0	.0	1	4.5
75/79	.0	.0	.0	.0	9.1	18.2	13.6	.0	9	40.9
70/74	.0	.0	.0	.0	.0	9.1	22.7	22.7	12	54.5
TOTAL	0	0	0	0	3	6	8	5	22	100.0
PCT	.0	.0	.0	.0	13.6	27.3	36.4	22.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0
75/79	4.5	13.6	.0	18.2	3.4	1.1	.0	.0	.0	.0
70/74	.0	27.3	3.4	19.3	.0	4.5	.0	.0	.0	.0
TOT	4.5	45.5	3.4	37.5	3.4	5.7	.0	.0	.0	.0

TABLE 15

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

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
									OBS
00003	84	79	77	74	72	69	68	74.3	197
06009	86	81	79	74	71	70	67	74.6	416
12015	89	86	83	77	73	70	69	77.4	480
18021	87	84	80	76	72	70	68	75.8	431
TOT	89	84	81	75	72	70	67	75.8	1524

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
								OBS
00003	.0	.0	.0	28.6	57.1	14.3	84	7
06009	.0	.0	.0	28.6	42.9	28.6	84	7
12015	.0	.0	50.0	25.0	25.0	.0	74	4
18021	.0	.0	12.5	25.0	37.5	25.0	82	8
TOT	0	0	3	7	11	5	82	26

NOVEMBER

PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINDADE
20.1S 28.6W

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	69 72	73 76	77 80	81 84	TOT	W FOG	NO FOG
6	.0	.0	.0	4.3	1	.0	4.3
2	.0	.0	8.7	.0	2	.0	8.7
1	.0	8.7	.0	.0	2	.0	8.7
0	.0	13.0	4.3	.0	4	4.3	13.0
-1	.0	21.7	.0	.0	5	4.3	17.4
-2	4.3	21.7	.0	.0	6	4.3	21.7
-3	8.7	.0	.0	.0	2	.0	8.7
-4	4.3	.0	.0	.0	1	.0	4.3
TOTAL	4	15	3	1	23	3	20
PCT	17.4	65.2	13.0	4.3	100.0	13.0	87.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N							PCT	NE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	14.3	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	14.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	14.3
10-11	.0	.0	.0	.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	.0	.0	.0
13-16	.0	.0	.0	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	14.3	.0	.0	.0	14.3	.0	.0	28.6	.0	.0	.0	.0	.0	.0	28.6

HGT	E							PCT	SE							PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0	.0	42.9
7	.0	.0	.0	.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	.0	.0	.0
10-11	.0	.0	.0	.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	.0	.0	.0
13-16	.0	.0	.0	.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	.0	.0	.0
20-22	.0	.0	.0	.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	.0	.0	.0
26-32	.0	.0	.0	.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	.0	.0	.0
41-48	.0	.0	.0	.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	.0	.0	.0
61-70	.0	.0	.0	.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	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0	.0	42.9

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	14.3
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	14.3

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	28.6	.0	.0	.0	28.6	.0
5-6	.0	.0	42.9	.0	.0	.0	42.9	.0
7	.0	.0	14.3	.0	.0	.0	14.3	.0
8-9	.0	.0	14.3	.0	.0	.0	14.3	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.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	.0	.0	100.0	.0	.0	.0	100.0	7

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	.0	7.7	30.8	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
6-7	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
8-9	.0	.0	.0	.0	15.4	30.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
IND* T	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	1	4	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	5
PCT	.0	7.7	30.8	15.4	15.4	30.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	87.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	86.7
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	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	2.1	.0	.0	.0	.0	.0	2.1	.0	.0	4.2	.0	.0	.0	93.8
TOT OBS:	48														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	93.8
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	88.9
1800	.0	8.3	.0	.0	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	83.3
TOT PCT	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	.0	5.6	.0	.0	.0	92.6
TOT OBS:	54														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.4	6.3	4.7	.7	.0	.0	13.0	10.1	21.4	13.9	11.8	11.3	20.0	14.8	14.0	10.1
NE	1.6	13.1	13.6	.4	.0	.0	28.8	10.7	25.0	25.7	23.9	26.8	80.0	33.9	30.3	26.4
E	1.5	16.0	16.5	1.8	.0	.0	35.8	11.5	21.4	37.5	42.7	30.3	.0	32.8	31.1	38.1
SE	1.5	5.0	3.9	.3	.0	.0	10.7	9.8	21.4	12.9	10.9	10.8	.0	7.9	9.3	14.6
S	.4	1.2	.4	.2	.0	.0	2.2	8.8	3.6	1.8	2.1	2.3	.0	2.2	2.8	2.0
SW	.2	.6	.1	.0	.0	.0	.9	5.6	.0	1.1	1.1	1.5	.0	.6	1.7	.0
W	.3	1.0	.2	.0	.0	.0	1.4	6.3	.0	.5	1.6	2.3	.0	1.2	1.9	1.6
NW	1.5	3.0	1.1	.1	.0	.0	5.7	7.5	7.1	5.0	4.7	5.9	.0	5.3	7.9	5.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	.0	1.6	1.3	2.6	.0	1.4	1.1	1.4
TOT OBS	143	672	592	50	0	0	1457	10.3	14	190	225	194	5	418	189	222
TOT PCT	9.8	46.1	40.6	3.4	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	4.3	6.8	1.6	.2	.0	13.0	10.1	14.5	11.6	14.9	11.9
NE	6.5	17.8	4.4	.1	.0	28.8	10.7	25.6	25.2	34.4	28.2
E	7.3	20.8	7.2	.4	.0	35.8	11.5	36.4	39.7	32.4	34.9
SE	3.5	5.5	1.6	.1	.0	10.7	9.8	13.5	10.9	7.8	12.2
S	1.3	.5	.3	.1	.0	2.2	8.8	2.0	2.2	2.1	2.4
SW	.7	.2	.*	.0	.0	.9	5.6	1.0	1.3	.6	.8
W	1.0	.3	.1	.0	.0	1.4	6.3	.5	1.9	1.2	1.7
NW	3.1	2.0	.5	.*	.0	5.7	7.5	5.1	5.3	5.2	6.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5					1.5	.0	1.5	1.9	1.4	1.2
TOT OBS	427	786	230	14	0	1457	10.3	204	419	423	411
TOT PCT	29.3	53.9	15.8	1.0	.0	100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	1.5	11.8	49.0	33.8	3.9	.0	.0	9.7	100.0	204
06009	1.9	8.4	45.6	40.8	3.3	.0	.0	10.5	100.0	419
12015	1.4	5.7	40.4	47.8	4.7	.0	.0	11.3	100.0	423
18021	1.2	9.2	51.1	36.5	1.9	.0	.0	9.5	100.0	411
TOT	22	121	672	592	19	0	0	10.3		1457
PCT	1.5	8.3	46.1	40.6	3.4	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 &	TOTAL	MEAN
N	12.8	5.1	.0	.0		2.0
NE	2.6	17.9	17.9	2.6		4.8
E	7.7	15.4	4.5	.0		3.2
SE	.0	2.6	3.2	.0		5.2
S	2.6	.0	.0	1.9		4.5
SW	.0	.0	.0	.6		8.0
W	.0	.0	.0	.0		.0
NH	.0	.0	2.6	.0		5.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	16	11	2	39	3.9
TOT PCT	25.6	41.0	26.2	5.1	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	ANY HGT	TOTAL
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35.9
E	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	25.6
SE	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	5.1
S	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	2.6
SW	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NH	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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	.0
TOT OBS	10	16	11	2	39	3.9							39
TOT PCT	25.6	41.0	26.2	5.1	100.0		.0	10.3	.0	.0	.0	87.2	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>8500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>2000	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>1000	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>600	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>300	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>150	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>0	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
TOTAL	0	2	4	4	4	4	4	4

TOTAL NUMBER OF OBS: 39 PCT FREQ NH <5/8: 89.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL
OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS	OBS
9.5	14.3	35.7	14.3	11.9	7.1	.0	.0	7.1	42

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974

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TABLE 8

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

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	5.9	12.8	.5	.0	.0	.0	.0	.0	.0	.0	19.1
	TOT %	.0	5.9	12.8	.5	.0	.0	.0	.0	.0	.0	.0	19.1
5<10	PCP	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1
	NO PCP	2.1	17.6	8.0	4.3	1.6	.5	.0	.0	.0	.0	.0	34.0
	TOT %	2.1	17.6	10.1	4.3	1.6	.5	.0	.0	.0	.0	.0	36.2
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	14.9	13.3	9.0	3.7	3.7	.0	.0	.0	.0	.0	.0	44.7
	TOT %	14.9	13.3	9.0	3.7	3.7	.0	.0	.0	.0	.0	.0	44.7
TOT OBS													47
TOT PCT		17.0	36.7	31.9	8.5	5.3	.5	.0	.0	.0	.0	.0	100.0

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.8	3.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	6.3
	11-21	.0	2.0	7.0	1.2	.8	.0	.0	.0	.0	.0	.0	10.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.8	5.1	9.4	1.2	.8	.0	.0	.0	.0	.0	.0	17.2
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.6	9.0	9.0	.8	.8	.8	.0	.0	.0	.0	.0	21.9
	11-21	.0	6.3	1.6	3.1	1.2	.4	.0	.0	.0	.0	.0	12.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.6	15.2	10.5	3.9	2.0	1.2	.0	.0	.0	.0	.0	34.4
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	7.8	3.5	13.7	4.7	1.6	.0	.0	.0	.0	.0	.0	31.3
	11-21	3.1	7.8	3.1	2.0	1.2	.0	.0	.0	.0	.0	.0	17.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	10.9	11.3	16.8	6.6	2.7	.0	.0	.0	.0	.0	.0	48.4
TOT OBS													64
TOT PCT		13.3	31.6	36.7	11.7	5.5	1.2	.0	.0	.0	.0	.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974

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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	7.7	92.3	13
06009	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	20.0	80.0	10
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
18021	.0	.0	.0	.0	9.1	.0	9.1	.0	.0	.0	18.2	81.8	11
TOT	0	0	0	0	1	0	4	0	0	0	5	36	41
PCT	.0	.0	.0	.0	2.4	.0	9.8	.0	.0	.0	12.2	87.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
00003	.0	5.3	.0	31.6	21.1	42.1	19
06009	.0	.0	5.0	15.0	45.0	35.0	20
12015	.0	.0	.0	.0	36.4	63.6	11
18021	.0	.0	.0	10.0	35.0	55.0	20
TOT	0	1	1	11	24	33	70
PCT	.0	1.4	1.4	15.7	34.3	47.1	100.0

TABLE 12

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

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00003	.0	.0	41.7	.0	58.3	12
06009	.0	.0	30.0	10.0	60.0	10
12015	.0	.0	.0	.0	100.0	7
18021	.0	.0	10.0	10.0	80.0	10
TOT	0	0	9	2	28	39
PCT	.0	.0	23.1	5.1	71.8	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	PCT
80/84	.0	.0	.0	.0	.0	13.3	3.3	.0	5	16.7
75/79	.0	.0	.0	.0	6.7	56.7	10.0	3.3	23	76.7
70/74	.0	.0	.0	.0	.0	3.3	.0	3.3	2	6.7
TOTAL	0	0	0	0	2	22	4	2	30	100.0
PCT	.0	.0	.0	.0	6.7	73.3	13.3	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	6.7	10.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	13.3	28.3	23.3	5.0	5.8	.8	.0	.0	.0	.0
70/74	.0	.0	3.3	.8	2.5	.0	.0	.0	.0	.0
TOTAL	20.0	38.3	26.7	5.8	8.3	.8	.0	.0	.0	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00003	81	80	79	76	72	70	70	75.7	192
06009	88	82	81	76	72	70	69	76.1	401
12015	91	87	83	79	75	72	70	79.6	410
18021	86	84	82	77	73	71	70	77.4	388
TOT	91	85	82	77	73	70	69	77.3	1391

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00003	.0	.0	11.1	66.7	11.1	11.1	76	9
06009	.0	.0	.0	62.5	12.5	25.0	80	8
12015	.0	.0	20.0	60.0	20.0	.0	74	5
18021	.0	.0	10.0	80.0	10.0	.0	74	10
TOT	0	0	3	22	4	3	76	32

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PERIOD: (PRIMARY) 1873-1974
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TABLE 17

PCT FRQ 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	TOT	N FOG	NO FOG
4	.0	.0	.0	2.6	1	.0	2.6
2	.0	.0	2.6	2.6	2	.0	5.1
1	.0	.0	2.6	5.1	3	.0	7.7
0	.0	2.6	20.5	.0	9	2.6	20.5
-1	.0	12.8	15.4	.0	11	2.6	25.6
-2	.0	10.3	15.4	.0	10	2.6	23.1
-3	.0	2.6	2.6	.0	2	.0	5.1
-5	2.6	.0	.0	.0	1	.0	2.6
TOTAL	1	11	23	4	39	3	38
PCT	2.6	28.2	59.0	10.3	100.0	7.7	92.3

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	6.7	.0	4.2	10.0	.0	.0	.0	.0	14.2
3-4	.0	6.7	3.3	.0	.0	.0	6.7	.0	3.0	7.5	.0	.0	.0	.0	12.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	4.2
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	10.0	3.3	.0	.0	.0	13.3	.0	13.3	17.5	.0	.0	.0	.0	30.8

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	8.3	5.0	.0	.0	.0	13.3	.0	.0	7.5	.0	.0	.0	.0	7.5
5-6	.0	.0	13.3	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	2.5	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	23.3	18.3	.0	.0	.0	41.7	.0	.0	7.5	.0	.0	.0	.0	7.5

PERIOD: (OVER-ALL) 1963-1974

DECEMBER

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.8	.0	.0	.0	.0	.0	.8
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.8	.0	.0	.0	.0	.0	.8

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	3.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	3.3 100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.2	9.7	.0	.0	.0	.0	12.9	
1-2	.0	16.1	9.7	.0	.0	.0	25.8	
3-4	.0	16.1	22.6	.0	.0	.0	38.7	
5-6	.0	.0	12.9	.0	.0	.0	12.9	
7	.0	6.5	3.2	.0	.0	.0	9.7	
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	3.2	48.4	48.4	.0	.0	.0	100.0	31

PERIOD: (OVER-ALL) 1958-1974

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	.0	18.9	13.5	2.7	2.7	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4
6-7	.0	.0	27.0	8.1	8.1	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
8-9	.0	.0	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	7	15	6	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	37	5
PCT	.0	18.9	40.5	16.2	10.8	.0	13.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PEPID: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

ANNUAL

APEA 0021 TRINIDADE
19.9S 28.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	1.9	4.6	.0	.0	.0	.0	.0	6.5	.0	.0	4.5	.0	.0	.0	80.7
NE	1.7	3.8	.0	.0	.0	.0	.0	3.5	2.6	.0	4.8	.0	.0	.0	87.1
E	9.3	4.8	.0	.0	.0	.0	.0	14.1	2.2	.0	3.9	.0	.0	.0	78.4
SE	1.1	5.0	1.0	.0	.0	.0	.0	7.1	.0	.0	3.1	.0	.0	.0	81.5
S	.0	4.8	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	70.2
SW	4.2	.0	6.7	.0	.0	.0	.0	10.8	.0	.0	.0	.0	.0	.0	64.2
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3
NW	3.7	8.3	.0	.0	.0	.0	.0	12.0	.0	.0	.0	.0	.0	.0	38.0
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	.0	.0	16.7
TOT PCT	2.3	4.6	.8	.0	.0	.0	.0	7.7	1.6	.0	4.3	.0	.0	.0	86.5
TOT OBS:	390														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00Z03	2.7	7.8	1.2	.0	.0	.0	.0	11.7	3.6	.0	2.9	.0	.0	.0	81.7
06Z09	1.5	5.5	.0	.0	.0	.0	.0	7.0	.9	.0	6.5	.0	.0	.0	85.6
12Z15	1.2	2.4	2.1	.0	.0	.0	.0	5.7	.0	.0	4.6	.0	.0	.0	89.7
18Z21	4.4	4.1	.0	.0	.0	.0	.0	8.5	1.4	.0	3.9	.0	.0	.0	86.2
TOT PCT	2.6	4.5	.6	.0	.0	.0	.0	7.7	1.6	.0	4.9	.0	.0	.0	85.7
TOT OBS:	405														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.1	5.9	3.1	.4	*	.0	10.6	9.5	9.7	9.0	8.7	8.9	13.1	12.3	12.8	10.1
NE	2.0	12.1	9.8	1.0	*	.0	24.9	10.6	19.6	23.9	23.8	26.2	30.8	26.4	23.0	22.6
E	1.8	13.2	17.5	2.8	.1	.0	35.4	12.4	38.0	37.6	37.3	37.7	32.4	34.0	32.7	34.4
SE	.9	5.0	7.7	1.7	.1	.0	15.4	12.9	12.6	16.3	16.0	15.0	17.4	14.4	14.6	17.4
S	.5	1.7	2.0	.6	*	*	4.8	11.2	9.8	5.1	5.0	4.0	3.1	4.5	4.8	5.4
SW	.3	.8	.7	.3	*	.0	2.1	9.7	4.8	2.1	2.4	2.0	3.3	1.7	2.6	2.2
W	.2	.8	.3	.1	*	.0	1.3	8.7	.0	1.0	1.2	1.7	.0	1.3	1.3	1.6
NW	.6	2.0	.9	.1	*	.0	3.5	8.7	4.0	2.5	3.3	2.6	.0	3.9	4.7	3.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	1.4	2.6	2.2	1.9	.0	1.6	1.8	2.7
TOT OBS							10209	11.3	85	1343	1342	1321	54	3063	1299	1522
TOT PCT	9.3	41.4	41.9	7.0	.4	*	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	09	12
N	3.7	5.5	1.3	.1	*	10.6	9.5	9.1	8.8	12.3	11.2		
NE	6.4	14.2	4.1	.2	.0	24.9	10.6	23.8	24.9	26.4	23.7		
E	6.4	19.1	9.2	.7	.0	35.4	12.4	37.4	37.5	34.2	33.6		
SE	2.7	7.3	5.1	.3	*	15.4	12.9	16.1	15.6	14.3	16.1		
S	1.2	2.1	1.3	.1	*	4.8	11.2	5.2	4.5	4.5	5.1		
SW	.7	.8	.5	.1	*	2.1	9.7	2.1	2.2	1.7	2.4		
W	.6	.6	.1	*	*	1.3	8.7	1.0	1.4	1.3	1.5		
NW	1.6	1.6	.3	*	*	3.5	8.7	2.8	3.0	3.8	4.1		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	2.0					2.0	.0	2.5	2.1	1.5	2.3		
TOT OBS						10209	11.3	1408	2863	3117	2821		
TOT PCT	23.3	31.2	21.9	1.5	.1	100.0	100.0	100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	2.5	7.7	40.1	42.2	7.1	.4	.0	11.4	100.0	1408
0600	2.1	8.8	40.3	43.1	7.4	.4	.0	11.6	100.0	2863
1200	1.5	6.3	40.1	43.9	7.9	.3	.0	11.7	100.0	3117
1800	2.3	8.6	44.8	38.3	5.6	.3	.0	10.7	100.0	2821
TOT								11.3		10209
PCT	2.0	7.3	41.4	41.9	7.0	.4	*	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	NH <5/8										TOTAL OBS
							000	150	300	600	1000	2000	3500	5000	6500	8000+	
N	5.2	2.8	2.2	.P		2.3	.0	.0	.0	.0	.8	.8	.0	.0	.0	.0	9.4
NE	7.5	11.2	6.7	1.6		4.2	.3	.1	.0	2.1	.9	.2	.6	.2	.0	.0	22.7
E	11.8	11.0	8.2	3.0		3.4	.0	.4	.3	1.7	.6	2.8	1.7	.2	.0	.0	26.5
SE	4.7	4.2	5.3	.9		3.1	.0	.0	.1	1.0	1.5	.5	.5	.0	.0	.0	11.4
S	2.3	.9	.6	2.0		2.0	.0	.0	.6	.8	.4	.0	.2	.0	.0	.0	3.8
Sw	.7	.6	.2	.4		2.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.9
W	.9	.0	1.2	.0		1.2	.0	.0	.0	.4	.4	.4	.0	.0	.0	.0	.9
NW	.6	.3	1.5	.0		1.1	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	1.9
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.8	.0	.0		.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
TOT OBS					235	3.7											235
TOT PCT	33.7	31.8	25.9	8.6	100.0		.3	.5	.9	6.1	4.3	4.7	3.7	.4	.0	.0	79.1

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
NE	.3	.1	.0	2.1	.9	.2	.6	.2	.0	.0	22.7	
E	.0	.4	.3	1.7	.6	2.8	1.7	.2	.0	.0	26.5	
SE	.0	.0	.1	1.0	1.5	.5	.5	.0	.0	.0	11.4	
S	.0	.0	.6	.8	.4	.0	.2	.0	.0	.0	3.8	
Sw	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.9	
W	.0	.0	.0	.4	.4	.4	.0	.0	.0	.0	.9	
NW	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	1.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
TOT OBS											235	
TOT PCT	.3	.5	.9	6.1	4.3	4.7	3.7	.4	.0	.0	79.1	

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.4	.4	.4	.4	.4	.4	.4	.4
>3500	1.9	2.7	4.1	4.1	4.1	4.1	4.1	4.1
>2000	3.6	6.1	7.8	8.4	8.4	8.4	8.4	8.4
>1000	6.1	9.5	11.3	11.8	12.2	12.2	12.2	12.2
>600	11.3	15.7	17.5	18.0	18.4	18.4	18.4	18.4
>300	11.9	16.6	18.4	18.9	19.3	19.3	19.3	19.3
>150	11.9	17.2	18.9	19.4	19.8	19.8	19.8	19.8
>0	11.9	17.2	18.9	19.8	20.2	20.2	20.2	20.2

TOTAL NUMBER OF OBS: 231

PCT FREQ NH <5/8: 79.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.3	19.6	20.2	17.3	12.5	10.6	1.9	3.7	4.6	.3	246

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.9
	TOT %	.0	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.9
2<5	PCP	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	.6
	NO PCP	.3	.8	2.4	*	.0	.0	.0	.0	.0	.0	.0	3.5
	TOT %	.3	.8	2.4	*	.0	.6	.0	.0	.0	.0	.0	4.1
5<10	PCP	.5	1.8	1.2	.6	.4	.0	.0	.5	.0	.0	.4	4.8
	NO PCP	4.1	9.7	9.6	3.2	.6	1.0	.6	.4	.0	.3	.3	29.4
	TOT %	4.6	11.5	10.8	3.7	.9	1.0	.6	.8	.0	.3	.3	34.3
10+	PCP	.3	.0	1.3	.5	.0	.0	.0	.0	.0	.0	.0	2.1
	NO PCP	7.5	15.7	20.5	8.6	3.3	.6	.4	1.3	.0	.3	.3	58.3
	TOT %	7.8	15.7	21.8	9.1	3.3	.6	.4	1.3	.0	.3	.3	60.4
TOT OBS													387
TOT PCT													12.7 28.3 35.2 13.6 4.2 2.2 1.1 2.2 .0 .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	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0	.6
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.2	.1	.3	.0	.2	.0	.0	.0	.0	.0	.8
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.6	.6	.7	.0	.0	.0	.2	.0	.0	.0	.0	2.2
	11-21	.0	.2	1.1	.1	.1	.3	.0	.0	.0	.0	.0	1.7
	22+	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
	TOT %	.7	.8	1.8	.1	.1	.3	.0	.3	.0	.0	.0	4.1
5<10	0-3	1.1	.8	.3	.2	.0	.0	.0	.1	.0	.4	.0	3.0
	4-10	1.3	6.0	4.8	2.1	.8	.5	.6	.6	.0	.0	.0	16.7
	11-21	.6	2.4	3.5	1.0	.3	.5	.0	.1	.0	.0	.0	8.5
	22+	.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.9
	TOT %	3.0	9.6	9.1	3.4	1.2	.9	.6	.9	.0	.4	.0	29.1
10+	0-3	.1	1.4	.4	.5	.3	.0	.3	.0	.0	.5	.0	3.6
	4-10	5.0	9.2	10.5	4.2	1.6	.8	.2	.9	.0	.0	.0	32.5
	11-21	2.7	7.4	10.0	3.4	2.2	.4	.2	.3	.0	.0	.0	26.6
	22+	.1	.7	.8	.1	.5	.8	.0	.1	.0	.0	.0	3.1
	TOT %	7.9	18.7	21.8	8.3	4.6	2.1	.6	1.3	.0	.5	.0	65.8
TOT OBS													330
TOT PCT													11.6 29.2 32.8 12.2 5.9 3.6 1.3 2.4 .0 .9 100.0

PERIOD: (PRIMARY) 1867-1976
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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	1.2	.0	1.0	2.1	2.1	4.2	.6	.0	.0	.0	11.2	88.8	61
06009	.0	1.2	.0	2.6	4.5	.9	7.2	.0	.0	.0	16.6	83.4	58
12015	.0	.0	1.7	10.0	8.3	2.1	4.2	1.2	.0	.0	27.4	72.6	52
18021	.0	.0	.0	5.8	5.8	8.9	1.8	.0	.0	.0	22.3	77.7	72
TOT													243
PCT	.3	.5	.9	5.7	4.3	4.6	3.6	.4	.0	.0	20.3	79.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
(GMT)							
00003	.0	.4	.9	5.7	30.8	62.2	107
06009	.0	.0	.4	4.4	38.6	56.6	149
12015	.0	.0	2.0	.8	20.6	76.7	116
18021	.0	.6	.4	3.6	28.1	67.3	173
TOT							545
PCT	.0	.4	.9	3.9	29.4	65.4	100.0

TABLE 12

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

HR	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
(GMT)						
00003	1.4	2.6	10.4	5.2	86.4	57
06009	.0	1.4	10.8	6.7	82.4	55
12015	.0	1.7	14.4	13.7	71.9	50
18021	.0	1.2	8.5	13.8	77.7	69
TOT						231
PCT	.3	2.2	12.5	9.5	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
90/94	.0	.0	.0	.0	.0	.5	.0	.0		.5
85/89	.0	.0	.0	.0	.4	.4	.0	.0		.8
80/84	.0	.0	.0	.3	5.5	10.9	2.0	1.3		20.0
75/79	.0	.0	.0	.6	5.6	22.6	9.5	5.0		43.3
70/74	.0	.0	.0	.6	6.2	12.7	7.2	6.4		33.2
65/69	.0	.0	.0	.2	.0	.8	.5	.2		1.7
60/64	.0	.0	.0	.0	.0	.0	.5	.0		.5
TOTAL									270	100.0
PCT	.0	.0	.0	1.7	17.6	48.0	19.8	12.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
80/84	3.4	8.0	7.7	.5	.2	.0	.0	.2	.0	.0
75/79	5.8	14.4	15.8	5.0	1.4	.4	.0	.2	.0	.4
70/74	3.7	6.7	11.4	7.6	2.5	.7	.2	.3	.0	.0
65/69	.5	.2	.0	.8	.2	.0	.0	.0	.0	.0
60/64	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	14.5	30.1	34.9	14.0	4.3	1.1	.2	.6	.0	.4

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
(GMT)									
00003	84	79	78	75	71	68	60	74.1	1341
06009	88	80	79	75	71	67	60	74.4	2731
12015	94	85	83	77	73	70	62	77.1	3041
18021	95	83	81	76	72	70	66	75.7	2679
TOT	95	84	81	76	72	69	60	75.5	9792

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
(GMT)										
00003	.0	.8	16.2	35.4	32.9	14.7	80	59		
06009	.0	.6	7.5	49.5	18.9	15.1	79	73		
12015	.0	2.3	24.1	52.0	15.4	6.2	74	63		
18021	.0	3.0	20.3	45.0	21.7	10.1	75	86		
TOT	0	9	49	132	55	36	77	281		

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PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

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TABLE 17

PCT FRFQ 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	TOT	% FOG	WO FOG
9/10	.0	.0	.0	.4	.4	.0	.0	.5	3	.0	1.3
7/8	.0	.0	.0	.4	.0	.0	.0	.0	1	.0	.4
6	.0	.0	.0	.0	.0	.4	.0	.0	1	.0	.4
5	.0	.0	.0	.0	.4	.0	.4	.0	3	.0	.8
4	.0	.0	.0	.4	.8	.2	.3	.0	5	.0	1.8
3	.0	.0	.0	.4	.2	1.1	.0	.0	5	.0	1.7
2	.0	.0	.2	2.0	2.3	2.2	.3	.0	21	.0	7.0
1	.0	.0	.4	4.2	1.4	2.8	.0	.0	27	.0	9.1
0	.0	.3	1.2	6.7	9.2	1.5	.0	.0	61	1.8	17.1
-1	.0	.0	1.6	10.6	6.1	1.4	.0	.0	65	1.5	18.3
-2	.3	.0	3.8	7.8	7.0	1.8	.0	.0	64	1.1	19.6
-3	.0	.0	2.5	4.6	2.3	.0	.0	.0	27	.2	9.2
-4	.0	.5	1.6	.8	.8	.0	.0	.0	12	.0	3.6
-5	.0	.0	1.5	1.3	1.2	.0	.0	.0	13	.0	4.0
-6	.0	.0	.0	.5	.0	.0	.0	.0	1	.0	.5
-7/-8	.0	.2	.0	.0	.0	.0	.0	.0	1	.0	.2
TOTAL									310		
PCT	.3	1.0	12.8	40.7	32.2	11.4	1.1	.5	100.0	4.9	95.1

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.6	1.4	2.2	.0	.0	.0	4.2	.6	5.8	3.9	.0	.0	.0	10.3
3-4	.0	.3	1.5	.0	.0	.0	1.7	.0	3.2	4.3	.0	.0	.0	7.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0	.0	.0	.0	1.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.2	.8	.0	.0	2.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	1.2
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	.6	1.7	3.7	.0	.0	.0	5.9	.6	9.9	11.5	.8	.0	.0	22.8

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	2.2	.0	.0	.0	.0	2.2	.0	.8	.0	.0	.0	.0	.8
1-2	.8	6.6	6.1	.0	.0	.0	13.5	.0	3.7	2.1	.0	.0	.0	5.8
3-4	.0	2.9	7.8	.0	.0	.0	10.7	.0	.8	1.2	.0	.0	.0	1.9
5-6	.0	1.4	10.8	.0	.0	.0	12.2	.0	.0	6.4	.0	.0	.0	6.4
7	.0	.2	.8	.0	.0	.0	1.0	.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	13.3	25.6	.0	.0	.0	39.6	.0	5.3	9.7	.0	.0	.0	15.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.4	.8	.0	.0	.0	1.3	.0	.0	1.1	.0	.0	.0	.0	.0	1.1
3-4	.0	.0	.6	.0	.0	.0	.6	.0	.0	1.2	.0	.0	.0	.0	.0	1.2
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.6
7	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.1
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.4	2.2	.0	.0	.0	2.6	.0	.0	2.9	.0	.0	.0	.0	.0	2.9

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	2.1	.0	.0	.0	.0	2.1	.0	.7	.0	.0	.0	.0	.0	.0	.7	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.8	.1	.0	.0	.0	.0	.0	1.0	
3-4	.0	2.4	.6	.0	.0	.0	3.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.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	.0	.0	
10-11	.0	.0	.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	.0	.0	
13-16	.0	.0	.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	.0	.0	
20-22	.0	.0	.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	.0	.0	
26-32	.0	.0	.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	.0	.0	
41-48	.0	.0	.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	.0	.0	
61-70	.0	.0	.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	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.5	1.1	.0	.0	.0	5.6	.0	1.5	1.3	.0	.0	.0	.0	2.8	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	3.6	5.8	.0	.0	.0	.0	9.4	
1-2	1.8	18.6	18.2	.0	.0	.0	36.7	
3-4	.0	9.5	17.9	.0	.0	.0	27.4	
5-6	.0	1.9	19.8	.0	.0	.0	21.8	
7	.0	.5	2.3	.8	.0	.0	3.6	
8-9	.0	.0	1.2	.0	.0	.0	1.2	
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	5.4	36.4	57.5	.8	.0	.0	100.0	135

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	18.4	15.8	6.1	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	3
6-7	.0	1.8	10.1	7.3	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	4
8-9	.0	.6	2.1	2.1	4.9	4.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	7
10-11	.0	2.0	.0	.0	.0	.8	1.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
12-13	.0	.0	1.4	.0	.8	.0	.5	.0	.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	0	
INDET	2.2	.5	3.3	.8	.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
TOTAL																					198	4
PCT	2.8	23.3	32.8	16.3	9.8	7.4	7.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

JANUARY

AREA 0022 ST. HELENA
13.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.8	.0	3.7	.0	.0	.0	.0	3.5	1.4	.0	.0	.0	.0	.0	93.1
SE	.4	2.6	.4	.0	.0	.0	.0	3.5	2.4	.0	.0	.0	.4	.0	93.7
S	.0	.0	8.2	.0	.0	.0	.0	8.2	6.1	.0	.0	.0	.0	.0	89.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	.7	2.0	1.3	.0	.0	.0	.0	4.0	2.3	.0	.0	.0	.3	.0	93.4
TOT OBS:	303														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	2.2	1.1	.0	.0	.0	.0	3.3	2.2	.0	.0	.0	.0	.0	94.5
06009	1.2	2.4	2.4	.0	.0	.0	.0	6.0	3.6	.0	.0	.0	1.2	.0	89.2
12015	.0	1.4	1.4	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	97.0
18021	1.6	1.6	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	93.4
TOT PCT	.7	2.0	1.3	.0	.0	.0	.0	3.9	2.3	.0	.0	.0	.3	.0	93.4
TOT OBS:	305														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47				00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0	.1	6.6	.6	.0	.0	.3	.0	.0	.0	.0
NE	.1	.8	.4	.0	.0	.0	1.3	9.8	.7	1.7	.6	2.1	1.9	.6	.4	.9
E	.5	6.6	9.3	.4	.0	.0	16.8	12.0	15.2	12.6	14.1	19.2	21.1	17.0	15.1	15.4
SE	.9	28.7	42.7	1.9	*	.0	74.1	12.2	76.4	76.0	81.1	71.0	70.9	72.5	80.2	74.5
S	.4	3.7	2.7	.1	*	.0	6.8	10.7	6.4	8.9	4.2	7.2	5.3	8.3	4.3	8.0
SW	.0	.4	.2	.0	.0	.0	.5	8.7	.3	.8	.0	.3	.4	.9	.0	.9
W	.0	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.0	.0	.0	.6	.0	.2
NW	.0	.1	.0	.0	.0	.0	.1	6.0	.1	.0	.0	.0	.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1					.0	.1	.0	.3	.0	.0	.3	.0	.0	.0	.0
TOT OBS	31	659	899	40	1	0	1630	11.9	298	241	78	195	380	162	58	218
TOT PCT	1.9	40.4	55.2	2.5	.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	03	06	12	18
N	.1	*	.0	.0	.0	.1	6.6	.3	.2	.0	.0	
NE	.2	1.0	.1	.0	.0	1.3	9.8	1.1	1.6	1.5	.8	
E	2.0	11.3	3.5	.0	.0	16.8	12.0	14.0	17.8	19.8	15.3	
SE	8.4	51.0	14.7	*	.0	74.1	12.2	76.3	73.9	71.4	75.7	
S	1.3	4.5	1.0	*	.0	6.8	10.7	7.5	6.3	6.2	7.2	
SW	.2	.3	.0	.0	.0	.5	8.7	.6	.2	.6	.7	
W	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.2	.2	
NW	.1	*	.0	.0	.0	.1	6.0	.0	.0	.2	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1				.0	.1	.0	.2	.0	.2	.0	
TOT OBS	203	1110	316	1	0	1630	11.9	539	273	542	276	
TOT PCT	12.5	68.1	19.4	.1	.0	100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1854-1976

JANUARY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	.2	1.1	40.1	55.8	2.8	.0	.0	12.0	100.0	539
06009	.0	1.5	43.2	53.1	2.2	.0	.0	12.0	100.0	273
12015	.2	2.0	41.3	53.3	3.0	.2	.0	11.9	100.0	542
18021	.0	2.4	36.6	59.4	1.1	.0	.0	12.0	100.0	276
TOT	2	29	659	899	40	1	0	11.9		1630
PCT	.1	1.8	40.4	55.2	2.5	.1	.0		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.4	.0	.3	.7	3.8	
E	3.2	4.0	6.8	5.1	5.2	
SE	15.6	19.2	23.0	21.8	5.2	
S	1.0	.3	1.6	.7	4.9	
SW	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	
NW	.0	.1	.0	.0	3.0	
VAR	.0	.0	.0	.0	.0	
CALM	.4	.0	.0	.0	2.0	
TOT OBS	57	54	86	75	272	5.1
TOT PCT	21.0	19.9	31.6	27.6	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT)										NH <5/8 ANY HGT	TOTAL OBS
	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
E	.0	.0	.4	4.0	3.6	2.0	.5	.0	.0	.0	.0	6.7
SE	.7	4	1.1	10.6	19.3	6.4	1.9	.4	.0	.0	.0	34.7
S	.0	.0	.0	1.3	.3	.7	.0	.0	.0	.0	.0	1.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
TOT OBS	2	1	4	43	63	25	7	1	0	0	0	126
TOT PCT	.7	.4	1.5	15.8	23.2	9.2	2.6	.4	.0	.0	.0	46.3

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.4	.4	.4	.4	.4	.4	.4
>3500	2.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3
>2000	10.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5
>1000	31.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2
>600	46.2	50.9	51.3	51.3	51.3	51.3	51.3	51.3
>300	47.3	52.4	52.7	52.7	52.7	52.7	52.7	52.7
>150	47.3	52.7	53.1	53.1	53.1	53.1	53.1	53.1
>0	48.0	53.5	53.8	53.8	53.8	53.8	53.8	53.8
TOTAL	131	146	147	147	147	147	147	147

TOTAL NUMBER OF OBS: 273

PCT FREQ NH <5/8: 46.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS	
	2.8	14.0	10.5	11.2	7.4	9.1	7.4	16.5	21.1	.0	245

TABLE 8

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

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7
5<10	PCP	.0	.0	.3	1.0	.0	.0	.0	.0	.0	.0	.0	1.3
	NO PCP	.0	.0	.9	3.5	.6	.0	.0	.0	.0	.0	.0	5.0
	TOT %	.0	.0	1.2	4.5	.6	.0	.0	.0	.0	.0	.0	6.3
10+	PCP	.0	.0	.7	1.3	.3	.0	.0	.0	.0	.0	.0	2.3
	NO PCP	.6	.7	16.1	69.8	3.1	.0	.0	.1	.0	.3	.0	90.7
	TOT %	.6	.7	16.8	71.1	3.5	.0	.0	.1	.0	.3	.0	93.0
TOT OBS													302
TOT PCT		.6	.7	18.0	76.2	4.1	.0	.0	.1	.0	.3	100.0	

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.3	.6	.3	.0	.0	.0	.0	.0	.0	1.2
	11-21	.0	.0	.9	3.9	.2	.0	.0	.0	.0	.0	.0	5.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.2	4.5	.5	.0	.0	.0	.0	.0	.0	6.2
10+	0-3	.0	.0	1.2	1.3	.6	.0	.0	.0	.0	.0	.3	3.4
	4-10	.5	.5	7.1	31.8	2.2	.0	.0	.1	.0	.0	.0	42.2
	11-21	.0	.2	8.3	38.6	.5	.0	.0	.0	.0	.0	.0	47.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.5	.6	16.6	71.7	3.3	.0	.0	.1	.0	.3	.0	83.2
TOT OBS													322
TOT PCT		.5	.6	17.8	76.9	3.8	.0	.0	.1	.0	.3	100.0	

JANUARY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 10

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

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	1.2	.0	19.8	12.3	4.9	1.2	.0	.0	.0	39.5	60.5	81
06009	2.6	.0	2.6	17.1	32.9	10.5	6.6	1.3	.0	.0	73.7	26.3	76
12015	.0	.0	1.6	12.5	23.4	15.6	3.1	.0	.0	.0	56.3	43.8	64
18021	.0	.0	1.7	12.1	22.4	5.2	.0	.0	.0	.0	41.4	58.6	98
TOT	2	1	4	44	63	25	8	1	0	0	148	131	279
PCT	.7	.4	1.4	15.8	22.6	9.0	2.9	.4	.0	.0	53.0	47.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	1.0	9.2	89.8	98
06009	.0	.0	.0	.0	4.1	91.9	86
12015	.0	.0	.0	.0	3.9	96.1	77
18021	.0	.0	.0	1.6	1.6	96.8	63
TOT	0	0	0	2	20	302	324
PCT	.0	.0	.0	.6	6.2	93.2	100.0

TABLE 12

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

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	1.3	22.8	17.7	59.5	79
06009	2.7	5.3	22.7	52.0	25.3	75
12015	.0	1.6	14.5	43.5	41.9	62
18021	.0	1.8	14.0	28.1	57.9	57
TOT	2	7	52	96	125	273
PCT	.7	2.6	19.0	35.2	45.8	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	.4	.0	.4	.0	.0	.0	2	.8
85/89	.0	.0	.0	.0	.8	.0	.0	.0	2	.8
80/84	.0	.0	.0	1.1	3.4	.4	.0	.0	13	4.9
75/79	.0	.0	.0	1.9	5.3	13.3	5.3	1.5	72	27.4
70/74	.0	.0	.0	.0	4.2	25.1	22.4	11.4	166	63.1
65/69	.0	.0	.0	.0	.0	1.1	.8	1.1	8	3.0
TOTAL	0	0	1	8	37	105	75	37	263	100.0
PCT	.0	.0	.4	3.0	14.1	39.9	28.5	14.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0
80/84	.0	.0	1.2	3.7	.0	.0	.0	.0	.0	.0
75/79	.0	.2	5.3	18.5	2.9	.0	.0	.0	.0	.4
70/74	.7	.4	10.9	50.1	1.0	.0	.0	.1	.0	.0
65/69	.0	.2	.6	2.3	.0	.0	.0	.0	.0	.0
TOT	.7	.8	18.4	75.8	3.9	.0	.0	.1	.0	.4

TABLE 15

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

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	79	77	75	72	69	66	65	71.9	502
06009	80	79	77	72	70	68	65	72.7	263
12015	94	85	81	75	71	70	66	75.5	521
18021	86	83	77	74	70	67	67	73.3	263
TOT	94	82	78	73	70	67	65	73.5	1549

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	2.7	32.4	44.6	18.9	82	74		
06009	.0	1.3	6.7	41.3	26.7	24.0	81	75		
12015	.0	6.3	33.9	46.8	8.1	4.8	72	62		
18021	.0	5.6	16.7	38.9	31.5	7.4	76	54		
TOT	0	9	37	105	75	39	78	263		

JANUARY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
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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	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WC FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
17/19	.0	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
11/13	.0	.0	.0	.0	.0	1.0	.0	.0	3	.0	1.0
9/10	.0	.0	.0	.7	1.0	.0	.0	.0	5	.0	1.7
7/8	.0	.0	.0	1.0	1.7	.0	.0	.0	8	.0	2.8
6	.0	.0	.0	2.4	.0	.0	.0	.0	7	.0	2.4
5	.0	.0	.3	2.8	.3	.0	.0	.0	10	.0	3.5
4	.0	.3	2.1	2.1	.0	.0	.0	.0	13	.0	4.5
3	.0	.0	3.8	1.0	.3	.0	.0	.0	15	.0	5.2
2	.0	.7	4.2	.0	.0	.0	.0	.0	14	.0	4.8
1	.0	2.4	6.9	.7	.0	.0	.0	.0	29	.0	10.0
0	.0	7.6	9.7	.0	.0	.0	.0	.0	50	.0	17.3
-1	.0	7.6	7.3	.3	.0	.0	.0	.0	44	.0	15.2
-2	.3	9.3	2.8	.0	.0	.0	.0	.0	36	.0	12.5
-3	.3	5.5	3.5	.0	.0	.0	.0	.0	27	.0	9.3
-4	.0	4.2	.7	.0	.0	.0	.0	.0	14	.0	4.8
-5	.3	.7	.3	.0	.0	.0	.0	.0	4	.0	1.4
-6	.3	.7	.0	.0	.0	.0	.0	.0	3	.0	1.0
-7/-8	.7	.3	.3	.0	.0	.0	.0	.0	4	.0	1.4
-9/-10	.0	.0	.3	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	6	114	122	32	10	3	1	1	289	0	289
PCT	2.1	39.4	42.2	11.1	3.5	1.0	.3	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 10

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
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	.0	.6	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.8	.0	.0	.0	.0	.0	.8	.8	.0	.0	.0	.0	.0	.8
1-2	.0	6.8	.0	.0	.0	.0	6.8	.0	11.4	4.8	.0	.0	.0	16.2
3-4	.0	4.4	8.2	.0	.0	.0	12.6	.0	18.8	17.4	.0	.0	.0	36.2
5-6	.0	.0	3.0	.0	.0	.0	3.0	.0	1.0	13.0	.0	.0	.0	14.0
7	.0	.0	.8	.0	.0	.0	.8	.0	.0	3.2	.0	.0	.0	3.2
8-9	.0	.0	.6	.0	.0	.0	.6	.0	.0	1.0	.0	.0	.0	1.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
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	11.2	12.6	.0	.0	.0	24.6	.8	31.2	40.2	.0	.0	.0	72.2

PERIOD: (OVER-ALL) 1963-1976

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AREA 0022 ST. HELENA
15.3S 5.2W

TABLE 18 (CONT)

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

HGT	SW							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	.0	.0	.0	.0	.6	.0	.2	.0	.0	.0	.0	.0	.2	.0
5-6	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	M							PCT	TOTAL PCT							
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	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	1.6	.0	.0	.0	.0	.0	1.6	1.6
1-2	.0	19.2	4.8	.0	.0	.0	24.0	24.0
3-4	.0	24.8	25.6	.0	.0	.0	50.4	50.4
5-6	.0	1.6	16.0	.0	.0	.0	17.6	17.6
7	.0	.0	4.0	.0	.0	.0	4.0	4.0
8-9	.0	.0	1.6	.0	.0	.0	1.6	1.6
10-11	.0	.0	.8	.0	.0	.0	.8	.8
12	.0	.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	1.6	45.6	52.8	.0	.0	.0	100.0	125

PERIOD: (OVER-ALL) 1949-1976

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	5.8	30.3	9.1	1.2	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	120
6-7	.0	.4	9.1	15.4	4.6	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75
8-9	.0	.4	1.2	3.7	2.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23
10-11	.0	.8	.4	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7
12-13	.0	.0	1.7	.4	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9
13	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
INDET	.8	.0	.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
TOTAL	6	18	104	73	25	9	2	4	0	0	0	0	0	0	0	0	0	0	0	0	241
PCT	2.5	7.5	43.2	30.3	10.4	3.7	.8	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

AREA 0022 ST. HELENA
15.35 5.2

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.9	.0	.0	.0	.0	.0	.9	3.2	.0	.0	.0	.0	.0	95.8
SE	1.0	.7	.7	.0	.0	.0	.0	2.4	2.1	.0	.0	.0	.0	.0	95.5
S	.0	9.5	7.1	.0	.0	.0	.0	16.7	.0	.0	9.5	.0	.0	.0	73.8
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.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	.0	.0	100.0
TOT PCT	.7	1.4	1.0	.0	.0	.0	.0	3.1	2.4	.0	.7	.0	.0	.0	93.8
TOT OBS:	289														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	1.3	1.3	1.3	.0	.0	.0	.0	3.9	.0	.0	2.6	.0	.0	.0	93.5
0600	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	96.7
1200	1.3	3.8	1.3	.0	.0	.0	.0	6.3	2.5	.0	1.3	.0	.0	.0	90.0
1800	.0	1.3	1.3	.0	.0	.0	.0	2.6	3.9	.0	.0	.0	.0	.0	93.4
TOT PCT	.7	1.7	1.0	.0	.0	.0	.0	3.4	2.4	.0	1.0	.0	.0	.0	93.2
TOT OBS:	293														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.1	.1	.0	.0	.0	.0	.2	3.0	.4	.0	.0	.6	.0	.4	.0	.2
NE	.0	.7	.1	.0	.0	.0	.8	8.4	1.4	.7	.5	.9	.7	1.4	.0	.5
E	.6	7.0	8.0	.3	.0	.0	16.0	11.6	13.6	12.6	15.9	15.0	20.6	16.7	25.4	11.8
SE	1.3	31.3	39.2	2.0	.0	.0	73.8	11.8	74.9	74.2	74.1	73.9	71.0	69.9	73.6	76.7
S	1.0	3.8	2.7	.1	.0	.0	7.7	9.5	8.1	9.2	7.7	8.6	6.9	8.0	1.1	8.1
SW	.2	.6	.1	.0	.0	.0	.9	6.7	1.0	.9	.0	.9	.7	1.8	.0	1.2
W	.1	.0	.0	.0	.0	.0	.1	2.7	.2	.0	.0	.0	.0	.7	.0	.2
NW	.0	.1	.1	.0	.0	.0	.2	7.6	.0	.0	1.8	.0	1.1	.0	.0	.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.0	.0	.0	.0	.3	.0	.4	.5	.0	.0	.0	.0	.0	1.0
TOT OBS	52	621	727	36	0	0	1446	11.5	250	221	35	162	347	138	67	204
TOT PCT	3.6	43.6	50.3	2.5	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	.2	.0	.0	.0	.0	.0	.0	.2	3.0	.2	.5	.1	.2
NE	.3	.4	.1	.0	.0	.0	.0	.8	8.4	1.1	.8	.9	.4
E	2.4	10.1	3.4	.0	.0	.0	.0	16.0	11.6	13.1	15.2	19.5	15.2
SE	6.7	31.8	13.2	.1	.0	.0	.0	73.8	11.8	75.5	74.0	73.7	73.9
S	2.5	4.2	.9	.0	.0	.0	.0	7.7	9.5	8.6	8.4	7.2	6.3
SW	.6	.3	.0	.0	.0	.0	.0	.9	6.7	1.0	.7	1.0	.9
W	.1	.0	.0	.0	.0	.0	.0	.1	2.7	.1	.0	.2	.2
NW	.1	.1	.0	.0	.0	.0	.0	.2	7.6	.0	.5	.3	.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.0	.0	.0	.0	.0	.3	.0	.4	.0	.0	.7
TOT OBS	22	969	255	1	0	1446	11.5			471	217	485	273
TOT PCT	19.3	67.0	17.6	.1	.0	100.0				100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1855-1976

APEA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	.4	3.4	45.6	48.4	2.1	.0	.0	11.1	100.0	471	
06009	.0	2.8	44.7	48.8	3.7	.0	.0	11.7	100.0	217	
12015	.0	3.1	38.8	55.1	3.1	.0	.0	12.0	100.0	485	
18021	.7	4.0	48.0	46.2	1.1	.0	.0	10.9	100.0	273	
TOT	.4	4.8	63.1	72.7	3.6	0	0	11.5		1446	
PCT	.3	3.3	43.6	50.3	2.5	.0	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.4	.1	.0	.4		4.7
E	7.9	3.6	6.4	1.5		3.7
SE	19.5	19.1	24.8	11.0		4.4
S	.3	.6	2.0	1.0		6.0
SW	.4	.0	.0	.0		1.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.4		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.4	.0		6.0
TOT OBS	73	59	84	36	252	4.3
TOT PCT	29.0	23.4	33.3	14.3	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <4/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.3
.0	.0	.6	.8	3.5	1.1	.0	.0	.0	.0	.0	13.5
.0	.0	1.8	4.0	13.9	6.2	1.6	.0	.0	.0	.4	46.4
.0	.0	.0	.0	1.7	.7	.0	.0	.0	.0	.0	1.5
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.6	1.3	5.0	2.0	.4	.0	.0	.0	.1	15.8
.0	.0	2.4	5.2	17.8	7.9	1.6	.0	.0	.4	62.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)			VSBY (NM)				
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.4	.4	.4	.4	.4	.4	.4	.4
>4000	.4	.4	.4	.4	.4	.4	.4	.4
>3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
>2000	9.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9
>1000	28.6	29.4	29.8	29.8	29.8	29.8	29.8	29.8
>600	33.3	34.5	34.9	34.9	34.9	34.9	34.9	34.9
>300	35.7	36.9	37.3	37.3	37.3	37.3	37.3	37.3
>150	35.7	36.9	37.3	37.3	37.3	37.3	37.3	37.3
>0	35.7	36.9	37.3	37.3	37.3	37.3	37.3	37.3
TOTAL	90	93	94	94	94	94	94	94

TOTAL NUMBER OF OBS: 252

PCT FREQ NH <5/8: 62.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.3	14.7	19.8	16.3	8.5	7.4	6.6	11.2	11.2	.0	258

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.3
	NO PCP	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7
	TOT %	.0	.0	.0	.2	.9	.0	.0	.0	.0	.0	.0	1.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.2	.5	1.0	.0	.0	.0	.0	.0	.0	1.7
	NO PCP	.0	.0	.9	5.6	2.0	.2	.0	.0	.0	.0	.0	8.7
	TOT %	.0	.0	1.0	6.2	3.0	.2	.0	.0	.0	.0	.0	10.4
10+	PCP	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0
	NO PCP	.3	.8	17.4	64.1	3.4	.3	.0	.3	.0	.3	.3	87.2
	TOT %	.3	.8	17.4	65.2	3.4	.3	.0	.3	.0	.3	.3	88.2
TOT OBS													288
TOT PCT		.3	.8	18.8	71.6	7.3	.5	.0	.3	.0	.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	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.2	.5	.0	.0	.0	.0	.0	.0	.6
	4-10	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3
	11-21	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.2	.8	.0	.0	.0	.0	.0	.0	1.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.3	.3	1.4	.2	.0	.0	.0	.0	.0	2.2
	4-10	.0	.0	.5	3.0	1.4	.0	.0	.0	.0	.0	.0	4.8
	11-21	.0	.0	.2	2.7	.0	.0	.0	.0	.0	.0	.0	2.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.0	6.0	2.8	.2	.0	.0	.0	.0	.0	9.9
10+	0-3	.3	.0	.8	.6	.2	.0	.0	.0	.0	.3	.3	2.2
	4-10	.0	.7	12.0	28.4	1.0	.3	.3	.3	.0	.3	.3	42.8
	11-21	.0	.0	6.2	34.3	2.0	.0	.0	.0	.0	.0	.0	42.5
	22+	.0	.0	.0	1.0	.3	.0	.0	.0	.0	.0	.0	1.3
	TOT %	.3	.7	19.0	64.2	3.6	.3	.0	.3	.0	.3	.3	88.8
TOT OBS													313
TOT PCT		.3	.7	20.2	70.4	7.2	.5	.0	.3	.0	.3	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00Z03	.0	.0	1.6	1.6	20.6	6.3	.0	.0	.0	.0	30.2	69.8	63
06Z09	.0	.0	5.6	9.3	27.8	9.3	3.7	.0	.0	.0	55.6	44.4	54
12Z15	.0	.0	1.4	5.7	20.0	7.1	.0	.0	.0	1.4	35.7	64.3	70
18Z21	.0	.0	1.4	4.2	11.3	8.5	2.8	.0	.0	.0	28.2	71.8	71
TOT	0	0	6	13	50	20	4	0	0	1	94	164	258
PCT	.0	.0	2.3	5.0	19.4	7.8	1.6	.0	.0	.4	36.4	63.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00Z03	.0	2.4	.0	1.2	13.1	83.3	84
06Z09	.0	.0	.0	.0	11.1	88.9	63
12Z15	.0	1.1	.0	.0	11.1	87.8	90
18Z21	.0	1.3	.0	.0	6.3	92.5	80
TOT	0	4	0	1	33	279	317
PCT	.0	1.3	.0	.3	10.4	88.0	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00Z03	.0	1.6	4.8	25.8	69.4	62
06Z09	.0	5.6	14.8	40.7	44.4	54
12Z15	.0	1.5	7.4	29.4	63.2	68
18Z21	.0	1.5	5.9	23.5	70.6	68
TOT	0	6	20	74	198	252
PCT	.0	2.4	7.9	29.4	62.7	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	.4	.8	.0	.0	.0	3	1.2
80/84	.0	.0	.0	.8	9.8	2.8	.4	.0	24	9.6
75/79	.0	.0	.0	1.2	8.8	30.3	11.2	3.2	137	54.6
70/74	.0	.0	.0	.0	1.6	15.1	12.0	5.2	85	33.9
65/69	.0	.0	.0	.4	.0	.0	.0	.4	2	.8
TOTAL	0	0	0	7	42	121	59	22	251	100.0
PCT	.0	.0	.0	2.8	16.7	48.2	23.5	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	.5	.0	.0	.0	.0	.0	.0
.0	.0	3.1	5.5	.6	.0	.0	.0	.0	.0
.0	.5	10.3	40.8	2.4	.6	.0	.0	.0	.0
.4	.0	4.7	23.7	4.3	.0	.0	.4	.0	.4
.0	.4	.0	.4	.0	.0	.0	.0	.0	.0
.4	.9	18.7	71.3	7.3	.6	.0	.4	.0	.4

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00Z03	80	78	77	74	71	69	68	73.6	446
06Z09	82	80	79	75	72	69	68	74.7	206
12Z15	87	86	82	77	73	71	69	77.0	468
18Z21	84	81	79	75	72	71	70	75.1	265
TOT	87	83	80	75	72	70	68	75.2	1385

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00Z03	.0	2.9	4.3	44.9	34.8	13.0	79	69		
06Z09	.0	.0	5.5	47.3	34.5	12.7	80	55		
12Z15	.0	6.1	33.3	45.5	12.1	3.0	72	66		
18Z21	.0	1.6	23.4	53.1	15.6	6.3	75	64		
TOT	0	7	43	121	61	22	77	254		

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.2W

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	65	69	73	77	81	85	TOT	h	WD
	68	72	76	80	84	88			
11/13	.0	.0	.0	.0	.0	.4	1	.0	.4
9/10	.0	.0	.0	.4	.4	.0	2	.0	.7
7/A	.0	.0	.0	.0	3.7	.7	12	.0	4.5
6	.0	.0	.0	.4	.4	.0	2	.0	.7
5	.0	.0	.0	.7	1.1	.0	5	.0	1.9
4	.0	.0	.0	2.2	.4	.0	7	.0	2.6
3	.0	.0	1.1	3.7	.0	.0	13	.0	4.9
2	.0	.0	3.4	4.5	.0	.0	21	.0	7.9
1	.0	.4	7.9	4.5	.0	.0	34	.4	12.4
0	.0	.4	12.9	4.5	.0	.0	50	.0	18.7
-1	.0	1.9	17.6	1.9	.0	.0	57	.4	21.0
-2	.0	2.2	7.9	.7	.0	.0	29	.4	10.5
-3	.0	1.5	8.0	.0	.0	.0	20	.0	7.5
-4	.4	1.1	2.6	.0	.0	.0	11	.0	4.1
-5	.0	.4	.4	.0	.0	.0	2	.0	.7
-7/-8	.4	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	2	21	162	63	16	3	267	1.1	98.9
PCT	.7	7.9	60.7	23.6	6.0	1.1	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.9	.0	.0	.0	.0	.0	.9	.0	1.2	.0	.0	.0	.0	1.2

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.9	1.6	.0	.0	.0	.0	2.5	.0	3.0	.0	.0	.0	.0	3.0
1-2	.0	4.4	1.9	.0	.0	.0	6.3	.2	13.2	6.5	.0	.0	.0	19.9
3-4	.0	6.9	2.3	.0	.0	.0	9.3	.0	8.8	22.2	.9	.0	.0	31.9
5-6	.0	.0	2.3	.0	.0	.0	2.3	.0	.9	12.7	.9	.0	.0	14.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9
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	13.0	6.5	.0	.0	.0	20.4	.2	26.9	43.5	1.9	.0	.0	72.5

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY

AREA 0022 ST. HELENA
15.2S 5.2W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.7	.7	.0	.0	.0	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.9
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.7	.7	2.8	.0	.0	.0	4.2	.0	.9	.0	.0	.0	.0	.0	.9

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	1.9	4.6	.0	.0	.0	.0	6.5	
1-2	.9	20.4	8.3	.0	.0	.0	29.6	
3-4	.0	15.7	25.9	.0	.0	.0	42.6	
5-6	.0	.9	15.7	.9	.0	.0	17.6	
7	.0	.9	.9	.0	.0	.0	1.9	
8-9	.0	.0	1.9	.0	.0	.0	1.9	
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	2.8	42.6	52.8	1.9	.0	.0	100.0	108

PERIOD: (OVER-ALL) 1949-1976

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	11.7	18.3	6.6	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	3	
6-7	.0	.9	16.4	12.7	2.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	4
8-9	.0	.5	1.4	4.7	2.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
10-11	.0	.0	.5	2.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
12-13	.0	.0	.9	1.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
>13	.0	.0	.0	2.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
INDET	.0	.5	1.9	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
TOTAL	7	29	84	66	19	8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	219	4
PCT	3.3	13.6	39.4	31.0	8.9	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

MARCH

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	2.6	1.3	.0	.0	.0	.0	3.9	1.0	.7	.0	.0	.0	.0	94.5
SE	.7	2.8	.3	.0	.0	.0	.0	3.8	2.1	.2	.5	.0	.0	.0	93.3
S	.0	6.4	.0	.0	.0	.0	.0	6.4	.0	.0	2.1	.0	.0	.0	91.5
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	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
TOT PCT	.5	3.1	.5	.0	.0	.0	.0	4.0	1.7	.2	.5	.0	.0	.0	93.6
TOT OBS:	423														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00003	.8	2.5	.0	.0	.0	.0	.0	3.4	.8	.0	.8	.0	.0	.0	94.9
06009	.0	7.7	1.1	.0	.0	.0	.0	8.8	4.4	.0	.0	.0	.0	.0	86.8
12015	.0	1.7	.0	.0	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	96.5
18021	1.0	1.0	1.0	.0	.0	.0	.0	2.9	.0	1.0	1.0	.0	.0	.0	95.1
TOT PCT	.5	3.1	.5	.0	.0	.0	.0	4.0	1.6	.2	.5	.0	.0	.0	93.7
TOT OBS:	426														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.1	.2	.1	.0	.0	.0	.4	7.8	.0	.6	.0	.8	.5	.3	.0	.4
NE	.1	1.1	.4	.0	.0	.0	1.6	8.9	1.5	1.1	1.3	2.0	2.2	2.0	1.4	.9
E	.9	7.0	11.9	.6	*	.0	19.9	12.8	22.5	19.8	16.7	20.1	20.2	20.7	23.3	15.5
SE	2.2	23.3	41.5	3.7	.2	.0	70.9	12.9	69.2	71.5	78.3	68.3	70.7	68.1	69.3	74.9
S	.5	2.8	1.9	.2	.0	.0	5.3	9.9	5.9	5.1	3.3	7.1	3.7	6.0	2.6	6.9
SW	.4	.4	.0	.0	.0	.0	.8	4.6	.2	.4	.3	1.3	.8	1.7	.0	1.1
W	*	*	.0	.0	.0	.0	.1	3.2	.3	.0	.0	.1	.0	.0	.0	.0
NW	.1	.2	*	.0	.0	.0	.3	6.1	.1	.2	.0	.5	.6	1.1	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.4	1.3	.0	.5	1.3	.6	2.3	.4
TOT OBS	75	583	928	74	3	0	1663	12.5	277	237	75	197	383	174	87	233
TOT PCT	4.5	35.1	55.8	4.4	.2	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	06	09
N	.3	*	.1	.0	.0	.4	7.8	.3	.6	.4	.3
NE	.5	1.0	.2	.0	.0	1.6	8.9	1.5	1.1	1.3	2.1
E	1.8	12.9	5.0	.2	.0	19.9	12.8	21.3	19.1	20.4	17.6
SE	6.1	43.1	18.8	.9	.0	70.9	12.9	70.3	71.0	69.9	73.4
S	1.5	3.2	.6	.0	.0	5.3	9.9	5.5	6.1	4.4	5.7
SW	.6	.2	.0	.0	.0	.8	4.6	.3	1.0	1.1	.8
W	.1	.0	.0	.0	.0	.1	3.2	.1	.0	.1	.0
NW	.2	*	*	.0	.0	.3	6.1	.1	.2	.5	.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8					.8	.0	.4	1.3	.6	1.1
TOT OBS	230	1004	411	18	0	1663	12.5	514	272	557	320
TOT PCT	13.8	60.4	24.7	1.1	.0	100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1865-1976
(LIVER-ALL) 1855-1976

MARCH

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.8	4.3	34.7	57.2	3.3	.2	.0	12.2	100.0	514
06009	.4	4.0	35.3	55.5	4.4	.4	.0	12.7	100.0	272
12015	1.1	3.2	34.8	55.3	5.4	.2	.0	12.5	100.0	557
18021	.9	3.1	36.6	54.7	4.7	.0	.0	12.5	100.0	320
TOT	14	61	583	928	74	3	0	12.5		1663
PCT	.8	3.7	35.1	55.8	4.4	.2	.0		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.5	.4	.3	.0		3.6
E	8.2	5.0	5.3	3.1		4.0
SE	17.8	15.9	27.8	11.1		4.7
S	1.8	.7	.5	.0		2.8
SW	.1	.0	.0	.0		1.0
W	.2	.0	.0	.0		1.0
NW	.7	.0	.0	.0		1.0
VAP	.0	.0	.0	.0		.0
CALM	.3	.3	.0	.0		2.5
TOT OBS	94	71	108	45	318	4.4
TOT PCT	29.6	22.3	34.0	14.2	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6300	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
.0	.0	.0	2.0	3.2	1.0	.9	.2	.0	.2	.2	14.0
.3	.3	.3	9.4	11.2	8.4	1.7	.4	.0	.1	.1	40.5
.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.8
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
.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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
1	1	1	37	46	30	8	2	0	1	191	318
.3	.3	.3	11.6	14.5	9.4	2.5	.6	.0	.3	60.1	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 >6000	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	.9	.9	.9	.9	.9	.9	.9	.9
= OR >3500	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
= OR >2000	12.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8
= OR >1000	26.3	27.2	27.2	27.2	27.2	27.2	27.2	27.2
= OR >600	36.9	38.8	38.8	38.8	38.8	38.8	38.8	38.8
= OR >300	37.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1
= OR >150	37.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4
= OR >0	37.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7
TOTAL	121	127	127	127	127	127	127	127

TOTAL NUMBER OF OBS: 320

PCT FREQ NH <5/8: 60.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.4	13.4	20.5	12.5	11.3	10.1	7.7	11.6	10.4	.0	336

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.5	.0	.0	.0	.0	.0	.2	.7	.7
	NO PCP	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.5	.5
	TOT %	.0	.0	.0	.8	.1	.0	.0	.0	.0	.2	1.2	1.2
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.2	1.3	.4	.0	.0	.0	.0	.0	1.9	1.9
	NO PCP	.0	.0	1.5	8.9	1.9	1.2	.0	.0	.0	.7	14.2	14.2
	TOT %	.0	.0	1.8	10.2	2.2	1.2	.0	.0	.0	.7	16.1	16.1
10+	PCP	.0	.0	.5	.9	.0	.0	.0	.0	.0	.0	1.4	1.4
	NO PCP	.0	1.1	15.9	59.9	3.2	.1	.2	.5	.0	.5	81.3	81.3
	TOT %	.0	1.1	16.4	60.8	3.2	.1	.2	.5	.0	.5	82.7	82.7
TOT OBS		.0	1.1	18.1	71.8	5.6	1.2	.2	.5	.0	1.4	100.0	423
TOT PCT		.0	1.1	18.1	71.8	5.6	1.2	.2	.5	.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	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.6	.1	.0	.0	.0	.0	.2	.9	.9
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.8	.1	.0	.0	.0	.0	.2	1.1	1.1
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.2	2.3	.8	.7	.0	.0	.0	.7	4.6	4.6
	4-10	.0	.0	.7	3.5	1.3	.4	.0	.0	.0	.0	6.0	6.0
	11-21	.0	.0	.9	1.9	.0	.0	.0	.0	.0	.0	2.9	2.9
	22+	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	2.0	2.0
	TOT %	.0	.0	1.8	9.8	2.1	1.1	.0	.0	.0	.7	15.5	15.5
10+	0-3	.0	.0	.4	1.6	.2	.1	.2	.3	.0	.9	3.5	3.5
	4-10	.0	1.0	7.3	20.3	1.1	.0	.0	.2	.0	.0	29.9	29.9
	11-21	.0	.1	8.8	37.7	1.6	.0	.0	.0	.0	.0	48.2	48.2
	22+	.0	.0	.0	1.6	.2	.0	.0	.0	.0	.0	1.8	1.8
	TOT %	.0	1.1	16.5	61.2	3.0	.1	.2	.5	.0	.9	83.4	83.4
TOT OBS		.0	1.1	18.4	71.8	5.2	1.2	.2	.5	.0	1.8	100.0	452
TOT PCT		.0	1.1	18.4	71.8	5.2	1.2	.2	.5	.0	1.8	100.0	

MARCH

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.24

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	12.5	8.0	9.1	2.3	1.1	.0	.0	33.0	67.0	88
06009	.0	.0	1.4	21.6	18.9	8.1	2.7	.0	.0	1.4	54.1	45.9	74
12015	.0	1.2	.0	9.6	21.7	9.6	3.6	.0	.0	.0	45.8	54.2	83
18021	1.2	.0	.0	2.4	8.3	9.5	1.2	1.2	.0	.0	23.8	76.2	84
TOT	1	1	1	37	46	30	8	2	0	1	127	202	329
PCT	.3	.3	.3	11.2	14.0	9.1	2.4	.6	.0	.3	38.6	61.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	2.4	.0	.0	15.3	82.3	124
06009	.0	1.0	.0	.0	16.7	82.3	96
12015	.0	.0	.0	.0	17.3	82.7	127
18021	.0	.9	.0	.0	13.0	86.1	108
TOT	0	5	0	0	71	379	455
PCT	.0	1.1	.0	.0	15.6	83.3	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<5000	<1	<5	AND5+	AND 5+	OBS
00003	.0	.0	12.6	20.7	66.7	87
06009	.0	1.4	23.6	31.9	44.4	72
12015	.0	1.3	11.4	36.7	51.9	79
18021	1.2	1.2	3.7	20.7	75.6	82
TOT	1	3	40	87	193	320
PCT	.3	.9	12.5	27.2	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	PCT
									OBS	FREQ
90/94	.0	.0	.0	.6	.0	.0	.0	.0	2	.6
85/89	.0	.0	.0	.3	1.4	.9	.0	.0	9	2.6
80/84	.0	.0	.0	1.7	3.1	4.0	.0	.3	32	9.1
75/79	.0	.0	.0	2.8	10.3	28.8	13.1	4.3	208	59.3
70/74	.0	.0	.0	.3	3.1	11.1	10.0	3.7	99	28.2
65/69	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	0	20	63	157	81	30	351	100.0
PCT	.0	.0	.0	5.7	17.9	44.7	23.1	8.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
.0	.1	1.4	1.9	.2	.0	.0	.0	.0	.0
.0	.6	2.5	5.6	.2	.0	.0	.0	.0	.3
.0	.6	11.0	43.8	1.7	.6	.2	.6	.0	.6
.0	.1	3.3	20.4	2.7	.9	.0	.0	.0	.9
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	1.4	17.2	72.5	4.8	1.5	.2	.6	.0	1.7

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	79	78	77	74	72	71	70	74.5	486
06009	81	80	78	75	72	71	69	74.9	258
12015	90	87	83	77	73	71	70	77.5	537
18021	93	85	80	76	73	71	71	75.9	308
TOT	93	85	81	76	72	71	69	75.8	1589

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	1.0	10.0	48.0	29.0	12.0	78	100		
06009	.0	1.4	16.2	35.1	35.1	12.2	79	74		
12015	.0	16.8	26.3	37.9	13.7	5.3	71	93		
18021	.0	3.6	19.0	56.0	16.7	4.8	74	84		
TOT	0	21	63	157	82	30	76	333		

MARCH

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.25 5.2W

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	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WD FOG
17/19	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
14/16	.0	.0	.0	.3	.0	.0	.0	1	.0	.3
11/13	.0	.0	.0	.0	.8	.8	.0	6	.0	1.7
9/10	.0	.0	.0	.6	.6	.0	.0	4	.0	1.1
7/8	.0	.0	.0	.8	.8	.0	.0	6	.0	1.7
6	.0	.0	.6	.8	.0	.0	.0	5	.0	1.4
5	.0	.0	1.1	1.7	.0	.0	.0	10	.0	2.8
4	.0	.3	1.1	1.1	.0	.0	.0	9	.0	2.5
3	.0	1.1	2.8	1.1	.0	.0	.0	18	.0	5.0
2	.0	.3	3.6	.6	.0	.0	.0	23	.0	6.4
1	.0	3.4	7.0	.3	.0	.0	.0	38	.0	10.6
0	.3	10.9	7.5	.6	.0	.0	.0	69	.0	19.3
-1	.3	11.5	3.1	.0	.0	.0	.0	53	.0	14.8
-2	.6	13.4	1.1	.0	.0	.0	.0	54	.0	15.1
-3	1.4	6.4	.3	.0	.0	.0	.0	29	.0	8.1
-4	1.1	3.6	.3	.0	.0	.0	.0	18	.0	5.0
-5	.8	1.1	.6	.0	.0	.0	.0	9	.0	2.5
-6	.8	.0	.0	.0	.0	.0	.0	3	.0	.8
-7/-8	.3	.3	.0	.0	.0	.0	.0	2	.0	.6
TOTAL	20	187	111	25	8	1		356	0	358
PCT	5.6	52.2	31.0	7.8	2.2	.8	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	1.2
1-2	.6	3.1	3.7	.0	.0	.0	7.4	.6	9.6	5.1	.0	.0	.0	.0	15.3
3-4	.0	3.8	4.0	.0	.0	.0	7.8	.6	4.4	17.8	.6	.0	.0	.0	23.4
5-6	.0	.0	4.1	.0	.0	.0	4.1	.0	1.2	20.7	1.2	.0	.0	.0	23.1
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	6.0	1.8	.0	.0	.0	7.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	.0	.0	.0	3.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8
12	.0	.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	.0
17-19	.0	.4	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.1
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7.4	12.8	.0	.0	.0	20.7	1.2	16.5	55.0	3.5	.0	.0	.0	76.2

PERIOD: (OVER-ALL) 1963-1976

MARCH
TABLE 18 (CONT)

AREA 0022 ST. HELENA
15.35 5.2W

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

HGT	SW							PCT	NW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.9	.9	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	SW							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.2	1.2	.0	.0	.0	.0	2.4	
1-2	1.2	13.5	8.8	.0	.0	.0	23.5	
3-4	.6	8.2	22.4	.6	.0	.0	31.8	
5-6	.0	1.2	25.3	1.2	.0	.0	27.6	
7	.0	.0	7.1	1.8	.0	.0	8.8	
8-9	.0	.0	3.5	.0	.0	.0	3.5	
10-11	.0	.0	1.8	.0	.0	.0	1.8	
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	.6	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	24.7	68.8	3.5	.0	.0	100.0	170

PERIOD: (OVER-ALL) 1949-1976

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	1.4	12.4	17.7	8.8	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	119	3
6-7	.0	1.1	8.1	13.4	5.3	3.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	90	5
8-9	.0	.4	2.5	6.0	1.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
10-11	.0	.4	.0	1.1	.7	.7	.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	11	9
12-13	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
>13	.0	.0	.0	.4	.7	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
INDET	1.1	.7	.7	2.8	2.1	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5
TOTAL	7	42	83	92	35	15	7	0	0	1	0	0	1	0	0	0	0	0	0	0	283	5
PCT	2.5	14.8	29.3	32.5	12.4	5.3	2.5	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.45 5.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	90.0
E	.9	4.1	2.0	.0	.0	.0	.0	7.0	.9	.0	.0	.0	.0	.0	92.2
SE	.4	2.2	.5	.0	.0	.0	.0	3.2	.1	.0	.0	.0	.0	.0	96.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	.6	2.6	.9	.0	.0	.0	.0	4.1	.3	.0	.0	.0	.0	.0	95.7
TOT OBS:	345														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	1.0	1.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	98.0
06009	.0	2.3	3.4	.0	.0	.0	.0	5.7	1.1	.0	.0	.0	.0	.0	93.2
12015	.0	3.7	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	96.3
18021	1.3	3.8	.0	.0	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	94.9
TOT PCT	.6	2.6	.9	.0	.0	.0	.0	4.0	.3	.0	.0	.0	.0	.0	95.7
TOT OBS:	346														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	.0	.0	.0	.0	.1	7.0	.0	.0	.0	.4	.2	.0	.0	.0
NE	.0	.4	.2	.1	.0	.0	.7	10.8	.5	1.0	.0	1.2	.8	1.0	1.7	.0
E	.1	6.9	11.8	1.6	.0	.0	20.5	13.5	20.4	20.3	25.0	16.5	20.8	20.0	27.3	18.1
SE	.7	24.7	41.9	4.9	.0	.0	72.2	13.2	73.8	71.3	69.6	73.2	71.7	72.4	67.3	74.7
S	.1	2.7	2.9	.3	.0	.0	5.9	11.8	5.0	7.0	3.0	8.7	6.1	6.2	2.3	6.6
SW	.0	.1	.3	.0	.0	.0	.3	12.5	.2	.5	1.2	.0	.2	.5	.0	.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.1	.0	.0	.0	.1	12.0	.0	.0	1.2	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2						.2	.0	.0	.0	.0	.3	.0	1.3	.0	.0
TOT OBS	14	455	747	91	0	0	1307	13.1	233	201	84	127	316	105	75	166
TOT PCT	1.1	34.8	57.2	7.0	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	*	*	.0	.0	.0	.1	7.0	.0	.2	.1	.0
NE	.3	.2	.2	.0	.0	.7	10.8	.7	.7	.8	.5
E	1.7	12.8	5.9	.1	.0	20.5	13.5	20.3	19.9	20.6	21.0
SE	5.3	47.4	18.9	.5	.0	72.2	13.2	72.6	71.8	71.9	72.4
S	.5	4.7	.7	.1	.0	5.9	11.8	5.9	6.4	6.1	5.3
SW	.1	.2	.1	.0	.0	.3	12.5	.3	.5	.2	.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.1	.0	.0	.0	.1	12.0	.0	.5	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2					.2	.0	.0	.0	.2	.4
TOT OBS	106	855	337	9	0	1307	13.1	434	211	421	241
TOT PCT	8.1	65.4	25.8	.7	.0	100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

APRIL

AREA 0022 ST. HELENA
15.45 5.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	.0	.7	33.4	57.4	8.5	.0	.0	13.4	100.0	434
0600	.0	1.4	35.1	56.4	7.1	.0	.0	12.8	100.0	211
1200	.2	1.0	34.9	58.7	5.2	.0	.0	12.9	100.0	421
1800	.4	.8	36.9	54.8	7.1	.0	.0	13.3	100.0	241
TOT	.2	1.2	45.5	74.7	9.1	.0	.0	13.1		1307
PCT	.2	.9	34.2	57.2	7.0	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8 Z OBS	TOTAL OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.7	.1	.0	.0	3.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7
E	3.6	7.9	9.2	4.6	.0	5.0	.2	.0	.3	3.1	5.6	1.7	.3	.2	.0	.0	13.7
SE	14.3	20.2	23.3	12.9	.0	4.7	.4	.0	.0	7.0	14.6	4.9	1.7	.1	.3	.3	41.4
S	1.0	.7	.2	.3	.0	3.7	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	1.9
SW	.0	.0	.3	.0	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.3	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
VAP	.3	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
CALM	.3	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
TOT OBS	59	89	100	54	302	4.7	2	.0	1	31	61	20	7	1	1	1	177
TOT PCT	19.5	29.5	33.1	17.9	100.0		.7	.0	.3	10.3	20.2	6.6	2.3	.3	.3	.3	58.6

TABLE 6

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

WIND DIR	0-2	3-4	5-7	8 & 8 Z OBS	TOTAL OBS	MEAN CLOUD COVER	PCT FREQ OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION										
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.7	.1	.0	.0	3.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7
E	3.6	7.9	9.2	4.6	.0	5.0	.2	.0	.3	3.1	5.6	1.7	.3	.2	.0	.0	13.7
SE	14.3	20.2	23.3	12.9	.0	4.7	.4	.0	.0	7.0	14.6	4.9	1.7	.1	.3	.3	41.4
S	1.0	.7	.2	.3	.0	3.7	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	1.9
SW	.0	.0	.3	.0	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.3	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
VAP	.3	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
CALM	.3	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
TOT OBS	59	89	100	54	302	4.7	2	.0	1	31	61	20	7	1	1	1	177
TOT PCT	19.5	29.5	33.1	17.9	100.0		.7	.0	.3	10.3	20.2	6.6	2.3	.3	.3	.3	58.6

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.7	.7	.7	.7	.7	.7	.7	.7
>5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>3500	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
>2000	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
>1000	27.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0
>600	36.6	39.9	40.3	40.3	40.3	40.3	40.3	40.3
>300	37.0	40.3	40.6	40.6	40.6	40.6	40.6	40.6
>150	37.0	40.3	40.6	40.6	40.6	40.6	40.6	40.6
>0	37.6	40.9	41.3	41.3	41.3	41.3	41.3	41.3
TOTAL	114	124	125	125	125	125	125	125

TOTAL NUMBER OF OBS: 303

PCT FREQ NH <5/8: 58.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
2.5	11.1	16.8	16.5	13.0	8.5	8.2	10.1	13.3	.0	316

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	1.4
	NO PCP	.0	.0	1.8	3.8	.1	.0	.0	.0	.0	.0	.0	5.4
	TOT %	.0	.0	2.5	4.6	.1	.0	.0	.0	.0	.0	.0	7.2
10+	PCP	.0	.1	1.0	1.5	.0	.0	.0	.0	.0	.0	.0	2.6
	NO PCP	.0	.7	21.4	64.6	2.2	.3	.0	.3	.0	.3	.3	89.9
	TOT %	.0	.7	22.5	66.2	2.2	.3	.0	.3	.0	.3	.3	92.5
TOT OBS													345
TOT PCT													.0
													.7
													25.0
													71.0
													2.4
													.3
													.0
													.3
													.0
													.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	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.5	1.4	.0	.0	.0	.0	.0	.0	.0	1.9
	11-21	.0	.0	1.9	2.6	.1	.0	.0	.0	.0	.0	.0	4.6
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	2.4	4.3	.1	.0	.0	.0	.0	.0	.0	6.8
10+	0-3	.0	.0	.0	1.7	.2	.0	.0	.0	.0	.0	.3	2.2
	4-10	.0	.5	7.8	25.5	1.4	.3	.0	.0	.0	.0	.0	35.5
	11-21	.0	.1	13.7	36.4	.7	.0	.0	.3	.0	.0	.0	51.2
	22+	.0	.0	.4	3.7	.0	.0	.0	.0	.0	.0	.0	4.1
	TOT %	.0	.7	21.9	67.2	2.4	.3	.0	.3	.0	.0	.3	93.0
TOT OBS													369
TOT PCT													.0
													.7
													24.3
													71.7
													2.5
													.3
													.0
													.3
													.0
													.3
													100.0

APRIL

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.45 5.3W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
0000Z	.0	.0	1.2	12.9	18.8	5.9	1.2	.0	1.2	.0	41.2	58.8	85
0600Z	1.2	.0	.0	11.0	20.7	9.8	2.4	1.2	.0	.0	46.3	53.7	82
12015	.0	.0	.0	4.2	20.8	4.2	2.8	.0	.0	1.4	33.3	66.7	72
18021	1.3	.0	.0	10.7	17.3	5.3	2.7	.0	.0	.0	37.3	62.7	75
TOT	2	0	1	31	61	20	7	1	1	1	125	189	314
PCT	.6	.0	.3	9.9	19.4	6.4	2.2	.3	.3	.3	39.8	60.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
0000Z	.0	.0	.0	.0	6.6	93.4	106
0600Z	.0	.0	.0	1.1	6.5	92.5	93
12015	.0	.0	.0	.0	8.0	92.0	88
18021	.0	.0	.0	.0	6.0	94.0	83
TOT	0	0	0	1	25	344	370
PCT	.0	.0	.0	.3	6.8	93.0	100.0

TABLE 12

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

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL
0000Z	.0	1.2	14.5	27.7	57.8	83
0600Z	1.3	1.3	13.9	34.2	51.9	79
12015	.0	.0	4.3	30.0	65.7	70
18021	1.4	1.4	12.7	26.8	60.6	71
TOT	2	3	35	90	178	303
PCT	.7	1.0	11.6	29.7	58.7	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	PCT
90/94	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
85/89	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
80/84	.0	.0	.0	.3	2.3	2.0	.7	.3	17	5.7
75/79	.0	.0	.0	1.7	12.1	24.5	7.4	1.7	141	47.3
70/74	.0	.0	.0	.3	9.7	20.5	12.1	3.4	137	46.0
65/69	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	8	72	141	61	16	298	100.0
PCT	.0	.0	.0	2.7	24.2	47.3	20.5	5.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.0	1.8	3.3	.3	.0	.0	.0	.0	.3
.0	.2	11.7	34.1	1.3	.0	.0	.0	.0	.0
.0	.0	11.9	32.9	.8	.0	.0	.3	.0	.0
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.2	26.1	70.6	2.5	.0	.0	.3	.0	.3

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
0000Z	79	78	76	73	71	69	68	73.5	422
0600Z	81	80	77	74	71	70	69	74.2	209
12015	88	83	81	76	73	71	69	76.3	414
18021	90	80	78	74	72	69	67	74.6	235
TOT	90	81	79	74	71	69	67	74.7	1280

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
0000Z	.0	1.2	15.3	51.8	23.5	8.2	77	85		
0600Z	.0	3.8	17.9	48.7	25.6	3.8	76	78		
12015	.0	2.9	39.7	39.7	14.7	2.9	72	68		
18021	.0	2.9	26.5	47.1	16.2	7.4	74	68		
TOT	0	8	72	141	61	17	75	299		

APRIL

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.45 5.34

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	N FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.3	1	.0	.3
11/13	.0	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.0	.0	.7	.0	.0	2	.0	.7
6	.0	.7	1.0	.7	.0	.0	7	.0	2.3
5	.0	.0	1.6	1.3	.0	.0	9	.0	2.9
4	.0	.0	1.3	.0	.0	.0	4	.0	1.3
3	.0	.7	2.6	.0	.0	.0	10	.0	3.3
2	.0	2.3	3.3	.0	.0	.0	17	.0	5.5
1	.3	3.9	4.2	.0	.0	.0	26	.0	8.5
0	.0	13.4	2.6	.0	.0	.0	49	.0	16.0
-1	.7	12.1	1.6	.0	.0	.0	44	.0	14.3
-2	1.0	10.4	1.3	.0	.0	.0	39	.0	12.7
-3	2.6	8.8	.0	.0	.0	.0	35	.0	11.4
-4	2.0	7.5	.3	.0	.0	.0	30	.0	9.8
-5	1.0	4.2	.3	.0	.0	.0	17	.0	5.5
-6	1.6	1.3	.0	.0	.0	.0	9	.0	2.9
-7/-8	.3	1.6	.0	.0	.0	.0	6	.0	2.0
-9/-10	.0	.3	.0	.0	.0	.0	1	.0	.3
TOTAL	29	62	8	1	1	307			307
PCT	9.4	67.1	20.2	2.6	.3	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.7	.7	.0	.0	.0	2.4	1.4	1.0	.0	.0	.0	.0	.0	2.4
1-2	.0	3.3	3.8	.0	.0	.0	7.2	.0	17.3	5.2	.0	.0	.0	.0	22.6
3-4	.0	2.6	4.5	.0	.0	.0	7.2	.0	7.2	12.2	.7	.0	.0	.0	20.1
5-6	.0	.0	4.5	.5	.0	.0	5.1	.0	2.1	13.8	3.0	.0	.0	.0	18.9
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	4.5	2.1	.0	.0	.0	6.6
8-9	.0	.5	.5	.0	.0	.0	1.0	.0	.2	.2	1.4	.0	.0	.0	1.7
10-11	.0	.0	.5	.0	.0	.0	.5	.0	.0	.2	.0	.0	.0	.0	.2
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	8.2	15.7	.5	.0	.0	24.5	1.4	27.8	36.2	7.2	.0	.0	.0	72.6

PERIOD: (OVER-ALL) 1963-1976

APRIL

AREA 0022 ST. HELENA
15.4S 5.3W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
7	.0	.7	.0	.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	.0	1.7	.5	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	2.8	.7	.0	.0	.0	5.6	
1-2	.0	21.7	9.1	.0	.0	.0	30.8	
3-4	.0	9.8	16.8	.7	.0	.0	27.3	
5-6	.0	2.1	18.9	3.5	.0	.0	24.5	
7	.0	.7	5.6	2.1	.0	.0	8.4	
8-9	.0	.7	.7	1.4	.0	.0	2.8	
10-11	.0	.0	.7	.0	.0	.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	2.1	37.8	52.4	7.7	.0	.0	100.0	143

PERIOD: (OVER-ALL) 1951-1976

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	1.9	5.7	20.1	8.7	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	108	4
6-7	.0	.0	6.4	20.5	4.3	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	5
8-9	.0	.0	.4	3.4	6.4	1.9	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	7
10-11	.0	.8	.0	1.1	1.1	2.3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
12-13	.0	.0	.0	1.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
>13	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.8	.8	.0	1.1	.0	.0	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
TOTAL	7	19	71	97	44	21	2	2	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	5
PCT	2.7	7.2	26.9	36.7	16.7	8.0	.8	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

APEA 0022 ST. HELENA
15.35 5.24

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZD PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.9	2.8	.6	.0	.0	.0	.0	4.3	1.7	.0	.0	.0	.0	.0	94.0
SE	.0	2.2	.1	.0	.0	.0	.0	2.3	1.8	.0	.0	.0	.0	.0	93.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.3	2.2	.3	.0	.0	.0	.0	2.8	1.7	.0	.0	.0	.0	.0	93.5
TOT OBS:	358														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZD PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	1.9	.0	.0	.0	.0	.0	1.9	1.0	.0	.0	.0	.0	.0	97.1
06009	.0	3.5	1.2	.0	.0	.0	.0	4.7	4.7	.0	.0	.0	.0	.0	90.6
12015	1.3	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	97.3
18021	.0	3.2	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	96.8
TOT PCT	.3	2.2	.3	.0	.0	.0	.0	2.8	1.7	.0	.0	.0	.0	.0	93.5
TOT OBS:	359														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.1	*	.0	.0	.0	.0	.1	3.7	.0	.0	.0	.0	.1	.7	.0	.3
NE	.3	1.7	.3	.1	.0	.0	2.4	8.1	1.9	2.4	.3	3.9	2.9	2.8	.0	2.3
E	.8	9.9	12.9	1.9	.0	.0	25.4	12.7	26.3	17.8	26.8	25.3	28.8	26.0	29.9	20.1
SE	1.4	23.0	34.4	4.8	.1	.0	63.7	13.0	64.2	70.2	63.4	59.6	59.9	62.2	64.8	70.1
S	.5	2.9	2.3	.2	.0	.0	5.9	10.4	5.4	6.3	4.0	8.4	5.4	7.3	2.9	6.2
SW	.3	.4	.2	.0	.0	.0	.9	6.6	1.0	1.8	1.8	1.2	.6	.7	.0	.5
W	.2	.1	.0	.0	.0	.0	.3	2.8	.4	.0	.0	.3	.5	.3	.0	.0
NW	.1	.1	.0	.0	.0	.0	.2	3.2	.0	.0	.0	.6	.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	.8	1.6	3.7	.6	1.5	.0	2.3	.5
TOT OBS	79	611	804	112	1	0	1607	12.4	263	191	82	166	480	144	86	195
TOT PCT	4.9	38.0	50.0	7.0	.1	.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	106.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	06	12	18	
N	.1	*	.0	.0	.0	.0	.1	3.7	.0	.0	.2	.2
NE	1.0	1.2	.2	.0	.0	.0	2.4	8.1	2.1	2.7	2.8	1.6
E	3.7	14.8	6.7	.2	.0	.0	25.4	12.7	22.7	25.8	28.2	23.1
SE	7.9	37.5	17.7	.6	.0	.0	63.7	13.0	66.7	60.9	60.6	68.5
S	1.8	2.9	1.2	.0	.0	.0	5.9	10.4	5.8	7.0	5.8	3.2
SW	.5	.4	.0	.0	.0	.0	.9	6.6	1.4	1.4	.6	.4
W	.3	.0	.0	.0	.0	.0	.3	2.8	.2	.2	.5	.0
NW	.2	.0	.0	.0	.0	.0	.2	3.2	.0	.4	.2	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.1	1.6	1.1	1.1
TOT OBS	266	914	414	13	0	1607	434	12.4	454	248	624	281
TOT PCT	16.6	56.9	25.8	.8	.0			100.0	100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 9.2M

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
00003	1.1	3.5	36.8	51.3	7.3	.0	.0	12.4	100.0	454
06009	1.6	2.4	40.3	49.2	6.0	.4	.0	12.2	100.0	248
12015	1.1	4.0	37.0	50.5	7.4	.0	.0	12.5	100.0	624
18021	1.1	4.6	40.2	47.7	6.4	.0	.0	12.2	100.0	281
TOT	1.9	60	611	804	112	1	0	12.4		1607
PCT	1.2	3.7	38.0	50.0	7.0	.1	.0		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.4	.3	.0	.1		2.9
E	5.8	7.6	12.5	5.6		4.9
SE	14.7	12.4	23.5	11.5		4.8
S	.9	.0	1.7	.5		5.0
SW	.1	.0	.3	.0		4.8
W	.3	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	1.3	.6	.0	.0		2.1
TOT OBS	74	65	118	55	311	4.8
TOT PCT	23.5	20.9	37.9	17.7	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7
E	.3	.0	.3	2.8	7.9	2.5	.5	.0	.0	.0	.0	17.1
SE	.0	.0	1.3	6.4	11.0	5.6	3.5	.3	.0	.0	.6	33.3
S	.0	.0	.0	1.7	.0	.2	.2	.0	.0	.0	.0	.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
TOT OBS	1	0	5	34	59	26	13	1	0	2	170	311
TOT PCT	.3	.0	1.6	10.9	19.0	8.4	4.2	.3	.0	.6	54.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.6	.6	.6	.6	.6	.6	.6	.6
>5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>3500	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
>2000	12.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2
>1000	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3
>600	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2
>300	43.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8
>150	43.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8
>0	43.2	44.8	44.8	45.2	45.2	45.2	45.2	45.2
TOTAL	134	139	139	140	140	140	140	140

TOTAL NUMBER OF OBS: 310

PCT FREQ NH <5/8: 54.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.4	13.2	13.8	13.5	11.0	7.7	9.5	13.5	14.1	.3	326

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

AREA 0022 ST. HELENA
15.35 5.2W

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
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
1<2	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
2<5	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
5<10	PCP	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.6	.6
	NO PCP	.1	.3	1.7	2.3	.0	.0	.0	.0	.0	.0	4.5	4.5
	TOT %	.1	.3	1.9	2.7	.0	.0	.0	.0	.0	.0	5.0	5.0
10+	PCP	.0	.0	.7	.7	.0	.0	.0	.0	.0	.0	1.4	1.4
	NO PCP	.0	.7	29.3	57.8	2.7	.3	.3	.0	.0	1.7	92.7	92.7
	TOT %	.0	.7	30.0	58.5	2.7	.3	.3	.0	.0	1.7	94.1	94.1
TOT OBS													358
TOT PCT													.1 1.0 32.4 61.5 2.7 .3 .3 .0 .0 1.7 100.0

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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
5<10	0-3	.1	.3	.1	.5	.0	.0	.0	.0	.0	.0	1.0	1.0
	4-10	.0	.0	.6	.4	.0	.0	.0	.0	.0	.0	1.0	1.0
	11-21	.0	.0	.6	.9	.0	.0	.0	.0	.0	.0	1.5	1.5
	22+	.0	.0	.4	.6	.0	.0	.0	.0	.0	.0	1.0	1.0
	TOT %	.1	.3	1.7	2.4	.0	.0	.0	.0	.0	.0	4.5	4.5
10+	0-3	.0	.0	.8	2.3	.4	.1	.3	.0	.0	1.5	5.3	5.3
	4-10	.0	.6	11.3	21.0	1.9	.6	.0	.0	.0	.0	35.3	35.3
	11-21	.0	.0	16.4	32.1	.6	.0	.0	.0	.0	.0	49.1	49.1
	22+	.0	.0	1.6	3.2	.3	.0	.0	.0	.0	.0	5.0	5.0
	TOT %	.0	.6	30.0	58.5	3.1	.7	.3	.0	.0	1.5	94.7	94.7
TOT OBS													399
TOT PCT													.1 .9 32.2 61.2 3.1 .7 .3 .0 .0 1.5 100.0

MAY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00Z03	.0	.0	1.0	13.5	19.8	10.4	.0	.0	.0	.0	44.8	55.2	96
06Z09	.0	.0	1.4	11.0	27.4	6.8	5.5	.0	.0	2.7	54.8	45.2	73
12Z15	.0	.0	.0	13.8	16.9	6.2	9.2	.0	.0	.0	46.2	53.8	65
18Z21	1.2	.0	3.5	4.7	10.5	8.1	3.5	1.2	.0	.0	32.6	67.4	86
TOT	1	0	5	34	59	26	13	1	0	2	141	179	320
PCT	.3	.0	1.6	10.6	18.4	8.1	4.1	.3	.0	.6	44.1	55.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
(GMT)							
00Z03	.0	.0	.0	.0	3.4	96.6	118
06Z09	.0	.0	.0	1.1	4.3	94.6	93
12Z15	.0	1.1	.0	.0	4.4	94.4	90
18Z21	.0	.0	1.0	.0	7.0	92.0	100
TOT	0	1	1	1	19	379	401
PCT	.0	.2	.2	.2	4.7	94.5	100.0

TABLE 12

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

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
(GMT)						
00Z03	.0	1.1	15.2	30.4	54.3	92
06Z09	.0	1.4	12.9	44.3	42.9	70
12Z15	.0	.0	14.1	32.8	53.1	64
18Z21	1.2	4.8	9.5	23.8	66.7	84
TOT	1	6	40	100	170	310
PCT	.3	1.9	12.9	32.3	54.8	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 DBS	PCT FREQ
85/89	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
80/84	.0	.0	.0	.0	.6	.0	.0	.0	2	.6
75/79	.0	.0	.0	2.2	6.0	8.9	1.9	1.0	62	20.0
70/74	.0	.0	.0	1.6	21.9	27.0	17.8	5.1	231	73.3
65/69	.0	.0	.0	.0	.0	1.3	2.2	2.2	18	5.7
TOTAL	0	0	0	13	90	117	69	26	315	100.0
PCT	.0	.0	.0	4.1	28.6	37.1	21.9	8.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
80/84	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
75/79	.2	.7	7.3	11.3	2.2	.0	.0	.0	.0	.3
70/74	.0	.4	22.9	45.8	2.2	.4	.3	.0	.0	1.3
65/69	.0	.0	2.5	3.0	.2	.0	.0	.0	.0	.0
TOTAL	.2	1.1	32.9	60.8	2.7	.4	.3	.0	.0	1.6

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
(GMT)									
00Z03	80	77	75	72	69	67	66	71.8	437
06Z09	80	79	76	72	68	67	65	72.0	245
12Z15	88	82	79	74	70	69	66	74.2	610
18Z21	80	78	76	73	70	69	68	72.7	270
TOT	88	80	78	73	69	68	65	72.9	1562

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
(GMT)										
00Z03	.0	3.2	16.0	40.4	33.0	7.4	77	94		
06Z09	.0	2.6	34.2	26.3	26.3	10.5	75	76		
12Z15	.0	7.8	40.6	31.3	14.1	6.3	71	64		
18Z21	.0	3.6	28.9	48.2	10.8	8.4	74	83		
TOT	0	13	91	118	69	26	74	317		

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.24

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	TOT	% FOG	% WD FOG
9/10	.0	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.3	.3	.0	.0	.0	2	.0	.6
6	.0	.0	.0	.3	.0	.0	1	.0	.3
5	.0	.0	.3	.6	.0	.0	3	.0	.9
4	.0	.0	.6	2.5	.3	.0	11	.0	3.4
3	.0	.3	2.8	.9	.0	.0	13	.0	4.0
2	.0	.6	2.8	.6	.0	.0	13	.0	4.0
1	.0	1.5	4.0	.9	.0	.0	21	.0	6.5
0	.0	3.4	11.4	1.2	.0	.0	52	.0	16.0
-1	.0	4.0	11.4	.0	.0	.0	50	.0	15.4
-2	.6	5.9	6.8	.0	.0	.0	43	.0	13.3
-3	.0	7.4	4.3	.3	.0	.0	39	.0	12.0
-4	.3	6.8	1.9	.0	.0	.0	29	.0	9.0
-5	.6	4.6	1.5	.0	.0	.0	22	.0	6.8
-6	.3	2.2	1.2	.0	.0	.0	12	.0	3.7
-7/-8	.3	.9	.0	.0	.0	.0	4	.0	1.2
-9/-10	.3	1.9	.0	.0	.0	.0	7	.0	2.2
-11/-13	.0	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	8	129	161	24	1	1	324	0	324
PCT	2.5	39.8	49.7	7.4	.3	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0	.0	.0	2
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	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	1.3	1.9	.0	.0	.0	.0	3.2
1-2	.0	5.7	1.9	.0	.0	.0	7.6	1.3	5.8	2.6	.0	.0	.0	9.7
3-4	.0	7.6	8.4	1.8	.0	.0	17.9	.0	8.0	9.7	.2	.0	.0	17.9
5-6	.0	.5	5.7	.0	.0	.0	6.2	.0	2.8	12.2	1.3	.6	.0	16.9
7	.0	.0	.5	.0	.0	.0	.5	.0	.0	8.6	1.3	.0	.0	9.9
8-9	.0	.0	1.3	1.0	.0	.0	2.3	.0	.0	.6	1.0	.0	.0	1.6
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	.0	13.8	17.9	2.8	.0	.0	34.4	2.6	18.5	33.8	3.7	.6	.0	59.3

PERIOD: (OVER-ALL) 1963-1976

MAY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.6	.6	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.6	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.6	1.1	1.6	.6	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.6	1.9	.0	.0	.0	.0	.0	4.5
1-2	1.9	13.0	4.5	.0	.0	.0	19.5	
3-4	.0	16.2	18.2	1.9	.0	.0	36.4	
5-6	.0	3.2	19.5	1.3	.6	.0	24.7	
7	.0	.0	9.1	1.9	.0	.0	11.0	
8-9	.0	.0	1.9	1.9	.0	.0	3.9	
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	4.5	34.4	53.2	7.1	.6	.0	100.0	154

PERIOD: (OVER-ALL) 1949-1976

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	10.0	13.5	4.6	2.5	3.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	4
6-7	.0	1.1	8.5	13.2	6.4	3.9	1.1	.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	5
8-9	.0	.7	2.1	5.3	5.0	2.8	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	6
10-11	.0	.7	.7	1.4	1.1	.7	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
12-13	.0	.0	.4	1.1	.7	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.4	.0	1.4	.7	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
TOTAL	3	35	75	74	46	31	10	2	5	0	0	0	0	0	0	0	0	0	0	0	281	5
PCT	1.1	12.5	26.7	26.3	16.4	11.0	3.6	.7	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

JUNE

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.0	2.8	.8	.0	.0	.0	.0	4.6	.8	.0	.0	.0	.0	.0	94.6
SE	.0	1.9	1.1	.0	.0	.0	.0	3.1	4.2	.6	.0	.0	.0	.0	92.7
S	.0	.0	3.4	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	96.6
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	.3	2.0	1.1	.0	.0	.0	.0	3.4	2.8	.0	.0	.0	.0	.0	93.8
TOT OBS:	357														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE						OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	1.1	.0	2.2	.0	.0	.0	.0	3.2	1.1	.0	.0	.0	.0	.0	95.7
0600	.0	2.4	.0	.0	.0	.0	.0	2.4	7.1	.0	.0	.0	.0	.0	90.6
1200	.0	4.0	1.0	.0	.0	.0	.0	5.1	1.0	.0	.0	.0	.0	.0	93.9
1800	.0	1.2	1.2	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	95.3
TOT PCT	.3	1.9	1.1	.0	.0	.0	.0	3.3	2.8	.0	.0	.0	.0	.0	93.9
TOT OBS:	363														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.1	.2	.0	.0	.0	.0	.3	5.2	.7	.3	.0	.0	.4	.0	.0	.0
NE	.3	2.2	1.0	.2	.0	.0	3.7	9.2	2.5	3.0	.0	6.4	3.7	5.4	2.8	5.7
E	.8	7.5	13.5	2.8	.2	.0	24.7	13.9	20.8	23.2	26.3	25.8	27.6	22.0	29.1	22.0
SE	1.7	18.7	34.8	6.1	.2	.0	61.6	13.6	63.2	62.8	67.6	60.2	59.9	66.0	57.9	59.9
S	.9	2.7	1.9	.1	.1	.0	5.8	9.1	7.8	6.5	1.0	4.2	5.6	3.0	8.9	6.0
SW	.5	.7	.2	.0	.0	.0	1.4	6.5	2.1	.6	2.6	.8	1.3	1.8	.3	1.7
W	.2	.3	.0	.0	.0	.0	.5	4.5	.5	.6	.0	.8	.4	.6	.9	.7
NW	.2	.0	.1	.0	.0	.0	.2	7.0	.5	.6	.0	.0	.0	.0	.0	.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	2.0	2.4	2.6	1.7	1.0	1.2	.0	3.4
TOT OBS	81	408	648	116	6	0	1259	12.8	203	168	78	118	381	83	79	149
TOT PCT	6.4	32.4	51.5	9.2	.5	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	06	12	18	
N	.2	.1	.0	.0	.0	.3	5.2	.5	.0	.3	.0		
NE	1.6	1.7	.4	.0	.0	3.7	9.2	2.7	3.8	4.0	4.7		
E	3.4	12.7	7.7	.9	.0	24.7	13.9	21.9	26.0	26.6	24.5		
SE	8.7	31.8	20.4	.7	.0	61.6	13.6	63.0	63.1	61.0	59.2		
S	2.5	2.8	.4	.1	.0	5.8	9.1	7.2	2.9	5.2	7.0		
SW	.8	.5	.1	.0	.0	1.4	6.5	1.4	1.5	1.4	1.2		
W	.5	.1	.0	.0	.0	.5	4.5	.5	.5	.4	.8		
NW	.2	.0	.1	.0	.0	.2	7.0	.5	.0	.0	.4		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	1.7					1.7	.0	2.2	2.0	1.1	2.2		
TOT OBS	246	626	365	21	1	1259	12.8	371	196	464	228		
TOT PCT	19.5	49.7	29.0	1.7	.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	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	2.2	5.4	31.0	52.3	8.9	.3	.0	12.5	100.0	371	
06009	2.0	4.1	37.1	52.0	9.7	.0	.0	12.7	100.0	196	
12015	1.1	3.7	34.5	49.8	9.9	1.1	.0	13.2	100.0	464	
18021	2.2	6.1	30.7	53.1	7.9	.0	.0	12.6	100.0	228	
TOT	22	39	408	648	116	6	0	12.8		1259	
PCT	1.7	4.7	32.4	51.5	9.2	.5	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.1	.2	.6	.0		4.4
E	2.7	7.5	10.7	5.3		5.2
SE	7.2	15.9	24.0	16.2		5.4
S	2.1	.9	2.6	.5		4.4
SW	.3	.0	1.0	.3		5.4
W	.0	.0	.7	.0		6.0
NW	.3	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.3	.9	.0	.0		2.7
TOT OBS	42	82	126	72	322	5.2
TOT PCT	13.0	25.5	39.1	22.4	100.0	

TABLE 6

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

WIND DIR	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.7
E	.0	.0	.0	3.3	4.1	4.0	.6	.0	.0	.0	.5	13.6
SE	.0	.0	.6	7.8	14.0	7.9	2.5	.0	.4	.2	.2	30.0
S	.0	.0	.0	.0	1.2	1.4	.0	.0	.5	.0	.0	3.0
SW	.0	.0	.0	.0	.3	.4	.6	.0	.0	.0	.0	.3
W	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
TOT OBS	0	0	2	36	64	45	12	0	3	2	158	322
TOT PCT	.0	.0	.6	11.2	19.9	14.0	3.7	.0	.9	.6	49.1	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>3500	4.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2
>2000	17.8	19.3	19.3	19.3	19.3	19.3	19.3	19.3
>1000	36.3	39.0	39.0	39.0	39.0	39.0	39.0	39.0
>600	46.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7
>300	46.9	50.3	50.3	50.3	50.3	50.3	50.3	50.6
>150	46.9	50.3	50.3	50.3	50.3	50.3	50.3	50.6
>0	46.9	50.3	50.3	50.3	50.3	50.3	50.3	50.6
TOTAL	153	164	164	164	164	164	164	165

TOTAL NUMBER OF OBS: 326

PCT FREQ NH <5/8: 49.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
3.2	5.9	12.1	17.4	10.3	8.0	9.4	14.7	18.9	339

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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	.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	.0	.0	.0	.0	.0	.0	.0	.3
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.2	.4	.0	.0	.0	.0	.0	.0	.0	.6
5<10	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	NO PCP	.0	.0	1.1	2.3	.0	.6	.0	.0	.0	.0	.0	3.9
	TOT %	.0	.0	1.1	2.6	.0	.6	.0	.0	.0	.0	.0	4.2
10+	PCP	.0	.0	1.1	1.5	.2	.	.0	.0	.0	.0	.0	2.8
	NO PCP	.0	.9	24.9	57.0	6.0	1.3	1.1	.3	.0	1.1	.0	92.4
	TOT %	.0	.9	25.9	58.5	6.2	1.3	1.1	.3	.0	1.1	.0	95.2
TOT OBS													357
TOT PCT													.0 .9 27.2 61.5 6.2 1.8 1.1 .3 .0 1.1 100.0

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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5
	TOT %	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	11-21	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.5
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.3	.3	.0	.3	.0	.0	.0	.0	.0	.8
	11-21	.0	.0	1.0	1.9	.0	.3	.0	.0	.0	.0	.0	3.1
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	1.2	2.4	.0	.5	.0	.0	.0	.0	.0	4.2
10+	0-3	.0	.3	1.0	1.8	2.2	.5	.7	.0	.0	2.1	.0	8.4
	4-10	.0	.3	9.8	18.4	2.2	1.0	.6	.0	.0	.0	.0	32.3
	11-21	.0	.3	12.5	33.8	1.7	.0	.0	.3	.0	.0	.0	48.6
	22+	.0	.0	1.6	3.9	.0	.0	.0	.0	.0	.0	.0	5.5
	TOT %	.0	.9	24.9	57.9	6.0	1.4	1.2	.3	.0	2.1	.0	94.8
TOT OBS													381
TOT PCT													.0 .9 26.4 61.2 6.0 2.0 1.2 .3 .0 2.1 100.0

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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	1.2	13.6	17.3	14.8	2.5	.0	1.2	.0	50.6	49.4	81
06009	.0	.0	1.3	15.8	23.7	17.1	3.9	.0	.0	.0	61.8	38.2	76
12015	.0	.0	.0	7.5	22.6	9.7	2.2	.0	1.1	1.1	44.1	55.9	93
18021	.0	.0	.0	7.4	13.6	14.8	6.2	.0	1.2	1.2	44.4	55.6	81
TOT	0	0	2	36	64	46	12	0	3	2	165	166	331
PCT	.0	.0	.6	10.9	19.3	13.9	3.6	.0	.9	.6	49.8	50.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.0	.0	.0	.0	4.9	94.2	103
06009	.0	.0	.0	.0	6.6	93.4	91
12015	1.0	.0	.0	1.9	2.9	94.3	105
18021	.0	.0	1.1	.0	2.3	96.6	88
TOT	2	0	1	2	16	366	387
PCT	.5	.0	.3	.5	4.1	94.6	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	1.2	2.5	16.0	35.8	48.1	81
06009	.0	1.3	17.3	45.3	37.3	75
12015	1.1	1.1	10.0	37.8	52.2	90
18021	.0	.0	7.5	37.5	55.0	80
TOT	2	4	41	127	158	326
PCT	.6	1.2	12.6	39.0	48.5	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
80/84	.0	.0	.0	.0	.3	.3	.0	.0	2	.6
75/79	.0	.0	.6	.6	1.3	3.2	.6	.0	20	6.3
70/74	.0	.0	.3	4.7	26.2	26.8	7.9	1.9	215	67.8
65/69	.0	.0	.0	.0	3.5	10.1	8.5	2.8	79	24.9
60/64	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
TOTAL	0	0	3	17	99	129	54	15	317	100.0
PCT	.0	.0	.9	5.4	31.2	40.7	17.0	4.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0
75/79	.0	.3	1.7	3.7	.0	.0	.0	.0	.0	.6
70/74	.0	.4	19.6	41.4	4.8	.8	.6	.0	.0	.3
65/69	.0	.3	6.2	15.9	1.5	.6	.0	.0	.0	.3
60/64	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
TOTAL	.0	1.0	27.8	61.7	6.3	1.4	.6	.0	.0	1.3

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	81	74	73	70	67	64	63	70.0	349
06009	76	75	74	70	67	64	62	70.1	189
12015	82	80	77	72	68	66	62	72.5	446
18021	81	77	74	71	68	66	63	70.8	221
TOT	82	78	75	71	67	65	62	71.1	1205

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.5	14.8	52.5	23.8	2.5	74	80		
06009	.0	2.5	24.7	45.7	19.8	7.4	75	81		
12015	.0	12.0	34.9	34.9	12.0	6.0	71	83		
18021	.0	7.9	47.4	27.6	14.5	2.6	71	76		
TOT	0	20	100	129	56	15	73	320		

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

JUNE

AREA 0022 ST. HELENA
15.35 5.28

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	TOT	W FOG	WM FOG
6	.0	.0	.3	.3	.0	.0	2	.0	.6
5	.0	.0	.0	.6	.3	.0	3	.0	.9
4	.0	.0	.0	1.2	.0	.3	5	.0	1.5
3	.0	.0	.6	1.2	.9	.0	9	.0	2.6
2	.0	.0	1.2	2.9	.3	.0	15	.0	4.4
1	.0	.3	1.2	2.9	.0	.0	15	.0	4.4
0	.0	.0	8.2	4.1	.0	.3	43	.0	12.6
-1	.0	.3	10.8	2.6	.0	.0	47	.0	13.7
-2	.0	3.8	13.2	2.0	.0	.0	65	.0	19.0
-3	.0	1.5	11.1	.9	.0	.0	46	.0	13.5
-4	.0	4.4	10.2	.6	.0	.0	52	.0	15.2
-5	.0	1.2	2.3	.3	.0	.0	13	.0	3.8
-6	.0	2.3	2.0	.6	.0	.0	17	.0	5.0
-7/-8	.3	.9	.9	.3	.0	.0	8	.0	2.3
-9/-10	.3	.0	.3	.0	.0	.0	2	.0	.6
TOTAL	2		213		5		342	0	342
PCT	.6	14.6	62.3	20.5	1.5	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N					PCT	NE					PCT	
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.6	.5	.0	.0	.0	1.3
7	.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
10-11	.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
13-16	.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
20-22	.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
26-32	.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
41-48	.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
61-70	.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
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.3

HGT	E					PCT	SE					PCT		
	1-3	4-10	11-21	22-33	34-47		48+	1-3	4-10	11-21	22-33		34-47	48+
<1	.6	1.1	.5	.0	.0	.0	2.2	.0	1.8	.2	.0	.0	.0	1.9
1-2	.5	4.6	2.2	.0	.0	.0	7.4	1.1	6.4	1.0	.0	.0	.0	8.5
3-4	.0	4.2	6.7	.5	.0	.0	11.4	.2	7.4	13.9	.2	.0	.0	21.6
5-6	.0	1.3	3.0	.5	.0	.0	4.8	.0	.0	16.2	.8	.0	.0	17.0
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.6	4.3	1.3	.0	.0	6.4
8-9	.0	.5	.0	.0	.0	.0	.5	.0	.8	1.9	1.9	.0	.0	4.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.0	1.3
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	.6	.0	.0	.6
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	1.1	11.7	13.8	1.0	.0	.0	27.6	1.3	17.0	37.7	5.4	.6	.0	62.0

PERIOD: (OVER-ALL) 1963-1975

JUNE

AREA 0022 ST. HELENA
13.35 5.2W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.5	1.0	.0	.0	.0	.0	1.4	.2	.0	.0	.0	.0	.0	.2
1-2	1.0	2.4	.0	.0	.0	.0	3.4	.0	.8	.6	.0	.0	.0	1.4
3-4	.5	.0	.5	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
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	1.9	3.4	.5	.0	.0	.0	5.8	.2	.8	.6	.0	.0	.0	1.6

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.5	.0	.0	.0	.0	.5	.0	.0	.6	.0	.0	.0	.6	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	1.9	3.8	.6	.0	.0	.0	6.4	
1-2	2.5	15.3	3.8	.0	.0	.0	21.7	
3-4	.6	12.1	22.3	.6	.0	.0	35.7	
5-6	.0	1.3	19.1	1.3	.0	.0	21.7	
7	.0	.6	5.7	1.3	.0	.0	7.6	
8-9	.0	1.3	1.9	1.9	.0	.0	5.1	
10-11	.0	.0	.0	.6	.6	.0	1.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.6	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	34.4	53.5	6.4	.6	.0	100.0	157

PERIOD: (OVER-ALL) 1949-1975

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	5.2	12.8	8.3	1.4	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	4
6-7	.3	1.4	6.9	10.4	7.6	2.8	1.4	.3	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	6
8-9	.0	.0	2.4	4.2	5.2	4.2	2.4	.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	7
10-11	.0	.0	.7	.7	.3	1.7	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	8
12-13	.0	.0	1.0	.3	.3	1.0	.3	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
>13	.0	.0	.0	1.4	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
INDET	1.7	1.7	.3	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	3
TOTAL	11	24	70	75	46	32	22	2	6	1	0	0	0	0	0	0	0	0	0	0	289	5
PCT	3.8	8.3	24.2	26.0	15.9	11.1	7.6	.7	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY	NO SIG
N	57.1	.0	.0	.0	.0	.0	.0	57.1	.0	.0	.0	.0	.0	.0	.0	42.9
NE	.0	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	95.8
E	1.4	.0	3.1	.0	.0	.0	.0	4.5	1.9	.0	.0	.0	.0	.0	.0	93.5
SE	2.0	3.1	.6	.0	.0	.0	.0	5.7	2.2	.0	.0	.0	.0	.0	.0	92.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.9	1.9	1.4	.0	.0	.0	.0	5.1	1.9	.0	.0	.0	.0	.0	.0	93.0
TOT OBS:	369															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	BLWG DUST	SPRAY	NO SIG
00003	1.9	1.9	2.9	.0	.0	.0	.0	6.8	3.9	.0	.0	.0	.0	.0	.0	89.3
06009	3.2	1.1	1.1	.0	.0	.0	.0	5.3	2.1	.0	.0	.0	.0	.0	.0	92.6
12015	1.2	1.2	.0	.0	.0	.0	.0	2.4	1.2	.0	.0	.0	.0	.0	.0	96.4
18021	1.1	3.2	1.1	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	94.7
TOT PCT	1.9	1.9	1.3	.0	.0	.0	.0	5.1	1.9	.0	.0	.0	.0	.0	.0	93.1
TOT OBS:	375															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.3	*	.0	.0	.0	.3	8.0	.5	.0	.9	.0	.1	1.2	.0	.4
NE	.3	1.6	.7	.0	.0	.0	2.5	8.9	3.0	3.0	3.9	.5	3.2	1.9	2.3	1.1
E	.5	9.1	11.8	2.0	.1	.0	23.6	13.1	24.5	20.9	25.0	15.6	25.1	21.0	31.3	22.6
SE	1.0	21.6	34.1	6.8	.3	.0	63.8	13.8	62.3	63.3	62.8	71.6	62.8	66.4	58.3	66.2
S	.6	3.2	2.3	.4	.0	.0	6.5	11.0	5.5	8.7	4.8	9.9	5.8	7.7	4.6	6.7
SW	.2	1.0	.1	.0	.0	.0	1.2	7.4	1.5	2.2	.0	.5	.9	.6	2.3	1.5
W	.4	.1	.0	.0	.0	.0	.5	2.5	.8	1.1	.0	1.0	.1	.0	.0	.7
NW	.1	.1	.0	.0	.0	.0	.2	5.6	.5	.0	.3	.0	.1	.0	.0	.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	1.5	.7	2.4	1.0	1.9	1.2	1.1	.0
TOT OBS	52	443	587	110	5	0	1197	13.0	200	135	84	104	372	81	87	134
TOT PCT	4.3	37.0	49.0	9.2	.4	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	.2	.1	*	.0	.0	.3	8.0	.3	.4	.3	.2	
NE	1.1	1.1	.4	.0	.0	2.5	8.9	3.0	2.0	2.9	1.6	
E	2.9	13.7	6.6	.4	.0	23.6	13.1	23.1	19.8	24.3	26.0	
SE	5.4	37.3	20.0	1.2	.0	63.8	13.8	62.7	67.7	63.4	63.1	
S	1.1	4.3	1.0	.1	.0	6.5	11.0	6.8	7.6	6.1	5.9	
SW	.6	.5	.1	.0	.0	1.2	7.4	1.6	.3	.9	1.8	
W	.5	.0	.0	.0	.0	.5	2.5	.9	.5	.1	.5	
NW	.1	.1	.0	.0	.0	.2	5.6	.3	.1	.1	.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3					1.3	.0	1.2	1.6	1.8	.5	
TOT OBS	158	683	336	20	0	1197	13.0	395	188	453	221	
TOT PCT	13.2	57.1	28.1	1.7	.0	100.0		100.0	100.0	100.0	100.0	

JULY

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1859-1975

AREA 0022 ST. HELENA
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	1.2	5.4	36.4	44.5	11.9	.6	.0	13.2	100.0	335
0609	1.6	1.6	40.4	50.0	5.9	.5	.0	12.6	100.0	188
12015	1.8	2.0	34.2	53.2	8.6	.2	.0	13.0	100.0	453
18021	.5	2.7	40.7	46.6	9.0	.5	.0	12.8	100.0	221
TOT	1.6	3.6	44.3	58.7	11.0	.5	.0	13.0		1197
PCT	1.3	3.0	37.0	49.0	9.2	.4	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL DBSCD	MEAN CLOUD COVER
N	.0	.0	.2	.3		6.7
NE	.0	.3	1.4	1.2		6.9
E	3.6	3.8	14.5	6.5		5.6
SE	0.2	13.1	23.1	14.3		5.2
S	.7	1.0	1.4	1.4		5.5
SW	.0	.6	.0	.0		3.5
W	.0	.0	.0	.0		.0
NW	.3	.0	.1	.0		1.0
VAR	.0	.0	.0	.0		.0
CALM	.3	.3	1.0	.3		4.8
TOT OBS	41	66	130	75	312	5.4
TOT PCT	13.1	21.2	41.7	24.0	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <4/8 ANY HGT	TOTAL OBS					
													149	299	599	999	1999
N	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0					
NE	.0	.0	.0	.2	.7	.4	.0	.3	.0	.0	.0	1.3					
E	.3	.3	.0	4.6	8.8	2.9	.8	.2	.0	.0	.0	10.3					
SE	.0	.0	1.3	7.1	14.3	6.3	.8	.4	.6	.3	.3	29.4					
S	.0	.0	.0	.6	1.8	.0	.0	.0	.0	.0	.0	2.2					
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6					
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
NW	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CALM	.3	.3	.0	.3	.6	.0	.0	.0	.0	.0	.0	1.0					
TOT OBS	41	66	130	75	312	5	3	2	1	1	141	312					
TOT PCT	13.1	21.2	41.7	24.0	100.0	.3	.3	1.3	12.8	26.3	10.3	1.6	1.0	.6	.3	45.2	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>5000	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9
>3500	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8
>2000	13.0	14.3	14.3	14.3	14.3	14.3	14.3	14.3
>1000	38.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3
>600	49.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0
>300	50.5	54.3	54.3	54.3	54.3	54.3	54.3	54.3
>150	50.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
>0	50.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9
TOTAL	159	173	173	173	173	173	173	173

TOTAL NUMBER OF OBS: 315

PCT FREQ NH <5/8: 45.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL OBS
3.1	6.4	9.5	14.0	11.3	7.4	10.7	16.6	20.6	.0	326

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.5
	TOT %	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.5
5<10	PCP	.0	.0	.1	2.3	.0	.0	.0	.0	.0	.0	.0	2.4
	NO PCP	.0	.3	2.4	5.4	1.2	.0	.0	.0	.0	.0	.0	9.2
	TOT %	.0	.3	2.5	7.7	1.2	.0	.0	.0	.0	.0	.0	11.7
10+	PCP	.3	.1	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	2.7
	NO PCP	.2	2.8	24.2	31.7	3.4	.8	.0	.3	.0	1.6	.0	85.1
	TOT %	.5	3.0	25.3	32.8	3.4	.8	.0	.3	.0	1.6	.0	87.8
TOT OBS													369
TOT PCT													.5 3.3 28.3 60.6 4.5 .8 .0 .3 .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	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.5
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.5
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.3	.6	1.7	.9	.0	.0	.0	.0	.0	.0	3.1
	11-21	.0	.0	1.7	4.9	.6	.0	.0	.0	.0	.0	.0	7.2
	22+	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8
	TOT %	.0	.3	2.4	7.3	1.1	.0	.0	.0	.0	.0	.0	11.1
10+	0-3	.0	.3	.3	.6	.2	.3	.0	.0	.0	1.5	.0	3.1
	4-10	.5	2.3	13.1	20.6	2.3	.3	.0	.3	.0	.0	.0	39.2
	11-21	.0	.5	11.6	27.1	.8	.3	.0	.0	.0	.0	.0	40.2
	22+	.0	.0	1.3	4.6	.0	.0	.0	.0	.0	.0	.0	5.9
	TOT %	.5	3.0	26.2	52.9	3.2	.8	.0	.3	.0	1.5	.0	88.4
TOT OBS													388
TOT PCT													.5 3.2 29.1 60.3 4.3 .8 .0 .3 .0 1.5 100.0

JULY

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
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TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	1.3	3.8	11.3	20.0	7.5	1.3	.0	.0	.0	45.0	55.0	80
06009	.0	.0	1.3	14.1	39.7	6.4	2.6	3.8	2.6	.0	70.5	29.5	78
12015	.0	.0	.0	11.0	23.3	15.1	1.4	.0	.0	1.4	52.1	47.9	73
18021	1.1	.0	.0	13.6	20.5	12.5	2.3	.0	.0	.0	50.0	50.0	88
TOT	1	1	4	40	82	33	6	3	2	1	173	146	319
PCT	.3	.3	1.3	12.5	25.7	10.3	1.9	.9	.6	.3	54.2	45.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	14.3	85.7	112
06009	.0	.0	.0	.0	10.4	89.6	96
12015	.0	.0	.0	.0	8.0	92.0	88
18021	.0	.0	.0	2.1	12.4	85.6	97
TOT	0	0	0	2	45	346	393
PCT	.0	.0	.0	.5	11.5	88.0	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	5.1	16.5	29.1	54.4	79
06009	.0	1.3	15.6	55.8	28.6	77
12015	.0	.0	11.1	41.7	47.2	72
18021	1.1	1.1	14.9	35.6	49.4	87
TOT	1	6	46	127	142	315
PCT	.3	1.9	14.6	40.3	45.1	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
75/79	.0	.0	.0	.9	1.2	1.2	.0	.0	11	3.4
70/74	.0	.0	.0	1.2	9.1	13.1	5.5	1.2	99	30.2
65/69	.0	.0	.0	2.7	14.0	21.0	18.6	6.1	205	62.5
60/64	.0	.0	.0	.6	.0	.0	1.2	2.1	13	4.0
TOTAL	0	0	0	14	80	116	83	31	328	100.0
PCT	.0	.0	.0	5.5	24.4	35.4	25.3	9.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	1.0	1.8	.3	.0	.0	.0	.0	.0
.0	1.4	8.8	19.4	.6	.0	.0	.0	.0	.0
.3	1.1	18.4	36.4	4.0	.9	.0	.3	.0	1.2
.0	.3	.8	2.6	.0	.0	.0	.0	.0	.3
.3	3.0	29.0	60.1	4.9	.9	.0	.3	.0	1.5

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	73	71	68	64	61	59	67.7	319
06009	74	73	71	68	65	62	61	68.0	182
12015	81	77	74	70	66	64	64	70.3	454
18021	78	76	73	69	66	64	62	69.0	213
TOT	81	76	73	69	65	63	59	69.0	1148

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	4.3	15.2	38.0	30.4	12.0	77	92
06009	.0	7.2	18.1	25.3	38.6	10.8	77	83
12015	.0	10.8	36.5	35.1	12.2	5.4	71	74
18021	.0	.0	28.9	42.2	18.1	10.8	75	83
TOT	0	18	80	117	84	33	75	332

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

JULY

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TABLE 17

PCT FRQ 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	TOT	% FOG	% FOG
7/8	.0	.0	.3	.6	.3	4	.0	1.2
6	.0	.0	.6	.9	.0	5	.0	1.5
5	.0	.0	.3	.3	.0	2	.0	.6
4	.0	.3	1.5	1.2	.0	10	.0	2.9
3	.0	.0	.6	.6	.0	4	.0	1.2
2	.0	.3	2.9	.9	.0	14	.0	4.1
1	.0	1.2	5.5	.6	.0	25	.0	7.3
0	.0	6.4	7.9	.9	.3	53	.0	15.5
-1	.0	5.2	7.0	.0	.0	42	.0	12.2
-2	.0	9.6	7.3	.3	.0	59	.0	17.2
-3	.0	10.8	5.0	.0	.0	54	.0	15.7
-4	.3	5.2	2.3	.0	.0	27	.0	7.9
-5	.6	4.7	1.2	.0	.0	22	.0	6.4
-6	.3	1.2	.6	.0	.0	7	.0	2.0
-7/-8	2.0	.9	.3	.0	.0	11	.0	3.2
-9/-10	.6	.3	.0	.0	.0	3	.0	.9
-14/-16	.0	.0	.3	.0	.0	1	.0	.3
TOTAL	13	158	149	21	2	343	0	343
PCT	3.8	46.1	43.4	6.1	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.6	1.6	.0	.0	.0	.0	.0	2.2
1-2	.0	.6	.0	.0	.0	.0	.6	.0	1.3	.6	.0	.0	.0	.0	1.9
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.4
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.6	3.1	.9	.0	.0	.0	.0	4.6

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.6	2.9	.0	.0	.0	.0	3.5	.0	2.5	.0	.0	.0	.0	.0	2.5
1-2	.0	7.1	1.5	.0	.0	.0	8.5	.0	8.2	.9	.0	.0	.0	.0	9.1
3-4	.0	4.1	6.8	.4	.0	.0	11.3	.0	6.5	13.5	.1	.0	.0	.0	20.1
5-6	.0	.0	2.9	.0	.0	.0	2.9	.0	1.8	10.4	1.2	.0	.0	.0	13.4
7	.0	.9	1.8	.6	.0	.0	3.2	.0	.9	5.3	1.2	.0	.0	.0	7.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.5	.0	.0	.0	4.1
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	15.0	12.9	1.0	.0	.0	29.6	.0	19.9	30.7	6.0	.0	.0	.0	56.6

PERIOD: (OVER-ALL) 1963-1975

JULY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.4	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.2	.0	.0	.0	.0	2.2	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.6	1.3	.0	.0	.0	1.9	.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	.0	3.2	1.3	.0	.0	.0	4.6	.0	.6	.0	.0	.0	.0	.6

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	97.1

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	7.0	.0	.0	.0	.0	11.0	
1-2	1.2	17.4	2.9	.0	.0	.0	21.5	
3-4	.0	13.4	20.3	.6	.0	.0	34.3	
5-6	.0	2.9	14.5	1.2	.0	.0	18.6	
7	.0	1.7	7.0	1.7	.0	.0	10.5	
8-9	.0	.0	.6	3.3	.0	.0	4.1	
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	5.2	42.4	45.3	7.0	.0	.0	100.0	172

PERIOD: (OVER-ALL) 1949-1975

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	8.5	15.3	6.0	3.6	.7	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	4
6-7	.0	1.4	8.9	12.1	7.1	2.5	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	5
8-9	.0	.0	1.4	4.6	5.0	3.2	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	7
10-11	.0	.7	.4	2.5	.7	.4	1.1	.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	7
12-13	.0	.0	.7	.4	.4	1.1	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
>13	.0	.0	.0	.7	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	8	20
INDET	.0	.7	.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
TOTAL	1	32	76	76	48	22	13	5	7	0	0	0	0	0	0	0	0	1	0	281	6
PCT	.4	11.4	27.0	27.0	17.1	7.8	4.6	1.8	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG W0 PCPN	FGG W0 PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	2.4	.0	.0	.0	.0	.0	2.4	3.6	.0	.0	.0	.0	.0	94.0
SE	.7	1.3	.7	.0	.0	.0	.0	2.4	2.3	.0	.0	.0	.0	.0	95.4
S	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	95.2
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	.7	1.5	.5	.0	.0	.0	.0	2.5	2.5	.0	.0	.0	.0	.0	95.1
TOT OBS:	406														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG W0 PCPN	FGG W0 PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00003	.0	2.1	.0	.0	.0	.0	.0	2.1	2.1	.0	.0	.0	.0	.0	95.7
06009	1.0	1.9	1.9	.0	.0	.0	.0	3.9	4.9	.0	.0	.0	.0	.0	91.3
12015	1.9	.0	.0	.0	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	96.3
18021	.0	1.9	.0	.0	.0	.0	.0	1.9	1.0	.0	.0	.0	.0	.0	97.1
TOT PCT	.7	1.5	.5	.0	.0	.0	.0	2.4	2.4	.0	.0	.0	.0	.0	95.1
TOT OBS:	409														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.1	.1	.0	.0	.0	.0	.2	4.0	.0	.4	.0	.5	.4	.0	.0	.0
NE	.1	.4	.5	.0	.0	.0	1.1	9.0	.8	2.3	.0	1.1	.6	1.3	1.5	2.1
E	.4	5.4	14.8	2.1	.2	.0	22.8	14.5	23.0	22.6	22.3	21.8	22.9	26.3	26.3	18.9
SE	1.6	12.8	45.5	7.7	.8	.0	68.4	15.0	68.9	64.7	71.3	69.1	67.9	66.4	68.3	71.8
S	.4	1.9	3.4	.5	*	.0	6.3	12.8	7.2	8.6	4.3	6.9	6.8	3.9	2.8	6.3
SW	.1	.2	.2	.0	.0	.0	.5	8.7	.1	.4	.0	.5	.8	.7	.0	.8
W	.0	.2	.0	.0	.0	.0	.2	6.0	.0	.0	.0	.0	.3	.0	1.0	.0
NW	.1	.1	.0	.0	.0	.0	.2	3.7	.0	.4	.0	.0	.4	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.0	.8	2.1	.0	.0	1.3	.0	.0
TOT OBS	35	233	717	115	11	0	1111	14.5	184	133	94	94	314	76	97	119
TOT PCT	3.2	21.0	64.5	10.4	1.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-6	7-16	17-27	28-40					00	03	06	12	18	21	
N	.1	.1	.0	.0	.0	.2	4.0	.2	.3	.3	.0				
NE	.5	.5	*	.0	.0	1.1	9.0	1.4	.5	.7	1.9				
E	1.6	13.3	7.2	.5	.1	22.8	14.5	22.8	22.1	23.5	22.2				
SE	4.7	37.8	23.9	1.6	.4	68.4	15.0	67.1	70.2	67.6	70.3				
S	1.2	3.4	1.5	.2	.0	6.3	12.8	7.8	5.6	6.2	4.7				
SW	.2	.3	.0	.0	.0	.5	8.7	.2	.3	.8	.5				
W	.1	.1	.0	.0	.0	.2	6.0	.0	.0	.3	.0				
NW	.1	*	.0	.0	.0	.2	3.7	.2	.0	.3	.0				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CALM	.4					.4	.0	.3	1.1	.3	.0				
TOT OBS	99	617	364	26	5	1111	14.5	317	188	390	216				
TOT PCT	8.9	55.5	32.8	2.3	.5	100.0		100.0	100.0	100.0	100.0				

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AUGUST

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00203	.3	3.5	18.9	63.7	11.7	1.9	.0	15.0	100.0	317
06209	1.1	3.2	19.7	68.1	8.0	.0	.0	14.1	100.0	188
12215	.3	1.8	23.1	63.3	10.8	.8	.0	14.4	100.0	390
18221	.0	3.2	21.3	64.8	9.7	.9	.0	14.2	100.0	216
TOT	4	31	233	717	115	11	0	14.5		1111
PCT	.4	2.8	21.0	64.5	10.4	1.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	.0	.3	.0	.1	5.0	5.0
E	.5	1.6	10.9	11.9	6.8	6.8
SE	3.8	4.4	30.8	29.6	6.5	6.5
S	.4	1.2	1.0	2.2	6.1	6.1
SW	.0	.0	.0	.1	8.0	8.0
W	.0	.0	.3	.0	7.0	7.0
NW	.0	.0	.1	.0	7.0	7.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.6	8.0	8.0
TOT OBS	17	27	155	159	398	6.6
TOT PCT	4.7	7.5	43.3	44.4	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3
.0	.0	.0	3.8	9.4	4.0	1.1	.9	.0	.2	5.4	
.8	.3	1.4	13.5	24.8	8.4	4.7	.2	.0	.1	14.4	
.0	.0	.0	.2	1.7	1.0	.3	.0	.0	.0	1.6	
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0
.3	1	5	63	132	48	22	5	0	1	78	358
.8	.3	1.4	17.6	36.9	13.4	6.1	1.4	.0	.3	21.8	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.3	.3	.3	.3	.3	.3	.3	.3
>5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
>3500	6.6	7.8	7.8	7.8	7.8	7.8	7.8	7.8
>2000	19.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1
>1000	53.7	57.3	57.6	57.6	57.6	57.6	57.6	57.6
>600	70.9	75.1	75.6	75.6	75.6	75.6	75.6	75.6
>300	72.3	76.5	77.0	77.0	77.0	77.0	77.0	77.0
>150	72.6	76.7	77.3	77.3	77.3	77.3	77.3	77.3
>0	73.1	77.6	78.1	78.1	78.1	78.1	78.1	78.1
TOTAL	264	280	282	282	282	282	282	282

TOTAL NUMBER OF OBS: 361 PCT FREQ NH <5/8: 21.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
1.8	3.1	6.5	5.7	4.7	8.8	14.5	18.2	36.4	385

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1859-1975

AUGUST

AREA 0022 ST. HELENA
15.35 5.2W

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 DBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	TOT %	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	2.0	6.0	.1	.0	.0	.0	.0	.0	.0	8.1
	TOT %	.0	.0	2.0	6.0	.1	.0	.0	.0	.0	.0	.0	8.1
10+	PCP	.0	.0	.6	1.4	.2	.0	.0	.0	.0	.0	.0	2.2
	NO PCP	.2	.4	23.0	59.9	4.7	.1	.2	.1	.0	.5	.5	89.2
	TOT %	.2	.4	23.6	61.3	5.0	.1	.2	.1	.0	.5	.5	91.4
TOT DBS													406
TOT PCT		.2	.4	23.6	61.3	5.0	.1	.2	.1	.0	.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 DBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5
5<10	0-3	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.5
	4-10	.0	.0	.1	1.8	.0	.0	.0	.0	.0	.0	.0	1.9
	11-21	.0	.0	1.1	2.5	.0	.0	.0	.0	.0	.0	.0	3.6
	22+	.0	.0	.5	1.6	.1	.0	.0	.0	.0	.0	.0	2.2
	TOT %	.0	.0	1.9	6.1	.1	.0	.0	.0	.0	.0	.0	8.1
10+	0-3	.0	.0	.4	1.6	.4	.0	.0	.0	.0	.5	.5	2.9
	4-10	.2	.2	6.2	14.2	1.9	.1	.2	.1	.0	.0	.0	23.0
	11-21	.0	.2	15.7	40.6	3.3	.0	.0	.0	.0	.0	.0	59.8
	22+	.0	.0	1.0	4.5	.2	.0	.0	.0	.0	.0	.0	5.7
	TOT %	.2	.4	23.3	60.8	5.8	.1	.2	.1	.0	.5	.5	91.4
TOT DBS													418
TOT PCT		.2	.4	23.3	60.8	5.8	.1	.2	.1	.0	.5	100.0	

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PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0024 ST. HELENA
15.35 5.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

HRUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999				
00003	2.3	.0	1.1	18.4	35.6	9.2	10.3	1.1	.0	1.1	79.3	20.7	87
06009	1.2	1.2	3.5	16.3	36.0	19.8	5.8	1.2	.0	.0	84.9	15.1	86
12015	.0	.0	.0	19.4	36.6	9.7	4.3	3.2	.0	.0	73.1	26.9	93
18021	.0	.0	1.0	17.0	36.0	14.0	4.0	.0	.0	.0	72.0	28.0	100
TOT	3	1	5	65	132	48	22	5	0	1	282	84	366
PCT	.8	.3	1.4	17.8	36.1	13.1	6.0	1.4	.0	.3	77.0	23.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	9.2	90.8	98
06009	.0	.0	.0	1.0	8.6	90.5	105
12015	.0	.0	.0	.9	7.1	92.0	112
18021	.0	.0	.0	.0	7.5	92.5	106
TOT	0	0	0	2	34	385	421
PCT	.0	.0	.0	.5	8.1	91.4	100.0

TABLE 12

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

HRUR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	2.3	3.5	22.1	58.1	19.8	86
06009	1.2	5.9	22.4	63.5	14.1	85
12015	.0	.0	20.7	53.3	26.1	92
18021	.0	1.0	18.4	55.1	26.5	98
TOT	3	9	73	207	79	361
PCT	.8	2.5	20.8	57.3	21.9	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
75/79	.0	.0	.0	.3	.8	.3	.6	.0	7	1.9
70/74	.0	.0	.0	1.4	9.1	6.6	3.3	1.1	78	21.5
65/69	.0	.0	.0	1.9	14.0	27.3	22.9	5.0	258	71.1
60/64	.0	.0	.0	.0	.3	.6	2.2	2.5	20	5.5
TOTAL	0	0	0	13	88	126	105	31	363	100.0
PCT	.0	.0	.0	3.6	24.2	34.7	28.9	8.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.6	1.1	.3	.0	.0	.0	.0	.0
70/74	.2	.1	5.4	15.1	.4	.0	.0	.1	.0	.3
65/69	.0	.3	18.5	47.7	3.9	.1	.3	.0	.0	.3
60/64	.0	.0	1.6	3.7	.3	.0	.0	.0	.0	.0
TOTAL	.2	.4	26.0	67.6	4.8	.1	.3	.1	.0	.6

TABLE 15

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

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	72	71	70	67	64	62	60	66.8	301
06009	71	70	70	67	64	63	63	66.9	186
12015	79	77	74	69	66	64	62	69.5	384
18021	76	75	72	68	65	63	62	67.8	213
TOT	79	75	73	68	64	63	60	68.0	1084

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	3.4	12.5	39.8	33.0	11.4	77	88		
06009	.0	4.4	18.7	27.5	35.2	14.3	77	91		
12015	.0	5.3	43.6	25.5	21.3	4.3	72	94		
18021	.0	1.1	20.4	46.2	28.0	4.3	75	93		
TOT	0	13	88	127	107	31	75	366		

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PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.35 5.2W

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	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WD FOG
11/13	.0	.0	.0	.0	.3	1	.0	.3
9/10	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.5	.0	1.3	.3	8	.0	2.1
6	.0	.0	.3	.8	.0	4	.0	1.1
5	.0	.5	.8	1.1	.0	9	.0	2.4
4	.0	.3	.8	.5	.0	6	.0	1.6
3	.0	.5	1.6	.8	.0	11	.0	2.9
2	.0	.8	6.6	.0	.0	28	.0	7.4
1	.0	2.4	5.6	.5	.0	32	.0	8.5
0	.3	6.1	3.2	.5	.0	38	.0	10.1
-1	.0	12.7	4.5	.0	.0	65	.0	17.2
-2	.3	11.9	2.6	.0	.0	56	.0	14.8
-3	.5	9.3	1.3	.0	.0	42	.0	11.1
-4	.8	8.5	.5	.0	.0	37	.0	9.8
-5	1.1	3.2	.5	.0	.0	18	.0	4.8
-6	1.3	1.3	.0	.0	.0	10	.0	2.6
-7/-8	1.3	1.6	.0	.0	.0	11	.0	2.9
-9/-10	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	21	226	107	22	2	378	0	378
PCT	5.6	59.8	28.3	5.8	.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1
1-2	.0	2.8	2.5	.0	.0	.0	5.3	1.1	6.2	4.3	.0	.0	.0	.0	11.6
3-4	.0	1.2	8.7	.4	.0	.0	10.3	.5	5.7	13.6	.7	.0	.0	.0	20.4
5-6	.0	.0	7.0	.0	.0	.0	7.0	.5	.5	18.8	1.1	.0	.0	.0	20.9
7	.0	.0	4.5	.0	.0	.0	4.5	.0	.0	6.1	3.7	.0	.0	.0	9.7
8-9	.0	.0	.9	.4	.0	.0	1.3	.0	.0	1.7	2.2	.0	.0	.0	3.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.1	.0	.0	.0	1.6
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	23.6	.8	.0	.0	28.3	2.1	13.4	45.0	9.2	.0	.0	.0	69.7

PERIOD: (OVER-ALL) 1963-1974

AUGUST

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	.0	.9	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	1.0	1.0	.0	.0	.0	.0	2.1	
1-2	1.6	8.9	6.8	.0	.0	.0	17.3	
3-4	.5	6.8	22.5	1.0	.0	.0	30.9	
5-6	.5	.5	26.2	1.0	.0	.0	28.3	
7	.0	.0	10.5	3.7	.0	.0	14.1	
8-9	.0	.0	2.6	2.6	.0	.0	5.2	
10-11	.0	.0	.0	.5	.0	.0	.5	
12	.0	.0	.5	1.0	.0	.0	1.6	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	17.3	69.1	9.9	.0	.0	100.0	191

PERIOD: (OVER-ALL) 1949-1975

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	.6	6.2	13.0	5.6	1.9	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96	4	
8-9	.0	.6	6.2	11.1	9.0	5.6	1.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	113	6
10-11	.0	.0	1.5	4.0	6.5	2.8	.9	1.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	7
12-13	.0	.0	1.2	2.5	1.2	2.8	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	7
13	.0	.0	.3	.0	1.2	.6	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	8
13	.0	.0	.0	.3	1.2	.3	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
INDET	.0	.3	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
TOTAL	3	23	75	77	69	44	17	12	3	0	1	0	0	0	0	0	0	0	0	0	324	6	
PCT	.9	7.1	23.1	23.8	21.3	13.6	5.2	3.7	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

SEPTEMBER

AREA 0022 ST. HELENA
15.35 5.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DR TIME	PCPN PAST HOUR	THDR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
E	4.5	1.2	2.4	.0	.0	.0	.0	6.9	7.3	.0	.0	.0	.0	.0	85.8
SE	.4	1.9	1.9	.0	.0	.0	.0	3.8	3.4	.0	.0	.0	.0	.0	92.9
S	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	96.3
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	1.1	1.6	1.9	.0	.0	.0	.0	4.0	4.0	.0	.0	.0	.0	.0	92.0
TOT OBS:	377														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DR TIME	PCPN PAST HOUR	THDR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	2.2	2.2	2.2	.0	.0	.0	.0	5.4	3.2	.0	.0	.0	.0	.0	91.4
06009	1.1	1.1	3.4	.0	.0	.0	.0	4.5	2.3	.0	.0	.0	.0	.0	93.2
12015	1.0	2.0	1.0	.0	.0	.0	.0	4.0	3.0	.0	.0	.0	.0	.0	92.9
18021	.0	1.0	1.0	.0	.0	.0	.0	2.0	7.0	.0	.0	.0	.0	.0	91.0
TOT PCT	1.1	1.6	1.8	.0	.0	.0	.0	3.9	3.9	.0	.0	.0	.0	.0	92.1
TOT OBS:	380														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	*	.0	.0	.0	.1	10.6	.0	.0	.9	.0	.2	.0	.0	.0
NE	.1	.4	.2	.0	.0	.0	.6	7.7	.6	.4	.3	.0	1.2	1.2	.0	.4
E	.3	5.5	9.6	1.8	.1	.0	17.3	14.0	19.9	15.1	14.8	17.2	18.8	15.9	16.0	15.4
SE	.9	20.8	43.6	7.1	.6	.0	73.1	14.3	73.5	73.9	72.2	75.0	71.3	70.9	77.2	73.3
S	.1	2.6	4.1	.2	.0	.0	7.1	12.4	5.0	10.5	6.5	6.8	6.3	10.3	3.4	10.0
SW	.0	.4	.2	.0	.0	.0	.6	8.5	.0	.0	1.2	.0	.7	.6	2.2	.8
W	.2	.2	.0	.0	.0	.0	.4	3.7	.0	.0	1.2	.0	.7	1.2	.0	.0
NW	.0	*	.0	.0	.0	.0	*	9.0	.0	.0	.3	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	1.1	.0	2.5	1.0	.7	.0	1.1	.0
TOT OBS	25	316	610	96	8	0	1055	13.9	181	119	81	96	284	85	89	120
TOT PCT	2.4	30.0	57.8	9.1	.8	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-6	7-16	17-27	28-40				00	06	12	18	21		
N	.0	.1	.0	.0	.0	.1	10.6	.0	.4	.1	.0			
NE	.3	.3	.0	.0	.0	.6	7.7	.5	.1	1.2	.2			
E	2.1	9.3	5.3	.6	*	17.3	14.0	18.0	16.1	18.2	15.7			
SE	6.6	38.7	25.9	1.8	*	73.1	14.3	73.7	73.7	71.2	75.0			
S	1.0	4.2	1.9	.0	.0	7.1	12.4	7.2	6.6	7.2	7.2			
SW	.3	.3	.0	.0	.0	.6	8.5	.0	.6	.7	1.4			
W	.4	.0	.0	.0	.0	.4	3.7	.0	.9	.8	.0			
NW	.0	*	.0	.0	.0	*	9.0	.0	.1	.0	.0			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	.8					.8	.0	.7	1.7	.5	.5			
TOT OBS	121	559	349	25	1	1055	13.9	300	177	369	209			
TOT PCT	11.5	53.0	33.1	2.4	.1	100.0		100.0	100.0	100.0	100.0			

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.35 5.3H

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47					
0000	.7	.7	33.0	53.7	11.0	1.0	.0	14.0	100.0	300	
0600	1.7	3.4	28.2	56.5	10.2	.0	.0	13.7	100.0	177	
1200	.5	2.2	27.9	61.5	7.0	.8	.0	13.8	100.0	369	
1800	.5	.5	30.6	58.4	9.1	1.0	.0	14.2	100.0	209	
TOT	.8	1.7	31.6	61.0	9.6	.8	.0	13.9		1055	
PCT	.8	1.6	30.0	57.8	9.1	.8	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.1	.0	.0	6.0
E	.0	1.2	9.5	10.7	7.2	7.2
SE	3.5	4.9	20.7	45.4	6.9	6.9
S	.5	.5	1.2	2.8	6.6	6.6
SW	.0	.3	.0	.6	6.3	6.3
W	.0	.0	.0	.3	8.0	8.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.3	1.5	7.8	7.8
TOT OBS	13	22	90	199	324	7.0
TOT PCT	4.0	6.8	27.8	61.4	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
.0	.2	.3	4.6	4.6	3.2	1.4	.2	.0	.0	.0	2.9
.0	1.1	1.5	14.7	31.7	10.7	4.5	.1	.0	.0	.0	11.1
.0	.0	.3	.7	.8	1.8	.0	.0	.0	.0	.0	1.5
.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.3
.0	.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	.9	.6	.0	.0	.0	.0	.0	.3	.0
.0	1	7	68	125	51	19	1	0	1	51	324
.0	.3	2.2	21.0	38.6	15.7	5.9	.3	.0	.3	15.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.3	.3	.3	.3	.3	.3	.3	.3
>5000	.6	.6	.6	.6	.6	.6	.6	.6
>3500	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
>2000	21.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
>1000	57.4	60.7	61.0	61.0	61.0	61.0	61.0	61.0
>600	75.8	81.6	81.9	81.9	81.9	81.9	81.9	81.9
>300	77.9	83.7	84.0	84.0	84.0	84.0	84.0	84.0
>150	78.2	84.0	84.4	84.4	84.4	84.4	84.4	84.4
>0	78.2	84.0	84.4	84.4	84.4	84.4	84.4	84.4
TOTAL	255	274	275	275	275	275	275	275

TOTAL NUMBER OF OBS: 326

PCT FREQ NH <5/8: 15.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.9	2.0	3.8	5.5	4.3	4.3	9.0	17.9	51.4	.0	346

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5
	NO PCP	.0	.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	.8
	TOT %	.0	.0	.3	1.1	.0	.0	.0	.0	.0	.0	.0	1.3
5<10	PCP	.0	.0	.5	1.3	.0	.0	.0	.0	.0	.0	.0	1.9
	NO PCP	.2	.1	1.2	7.6	.9	.1	.0	.1	.0	.0	.0	10.1
	TOT %	.2	.1	1.7	8.9	.9	.1	.0	.1	.0	.0	.0	11.9
10+	PCP	.0	.0	.6	1.0	.0	.0	.0	.0	.0	.0	.0	1.6
	NO PCP	.0	.0	13.8	64.3	4.4	.8	.3	.0	.0	1.6	.0	85.1
	TOT %	.0	.0	14.4	65.3	4.4	.8	.3	.0	.0	1.6	.0	86.7
TOT OBS													377
TOT PCT		.2	.1	16.4	75.2	5.3	.9	.3	.1	.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	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.5
	11-21	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.3	1.0	.0	.0	.0	.0	.0	.0	.0	1.3
5<10	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8
	4-10	.2	.1	.7	2.3	.3	.0	.0	.1	.0	.0	.0	3.6
	11-21	.0	.0	.8	5.0	.5	.1	.0	.0	.0	.0	.0	6.4
	22+	.0	.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	1.0
	TOT %	.2	.1	1.8	8.8	.8	.1	.0	.1	.0	.0	.0	11.9
10+	0-3	.0	.0	.5	.8	.0	.0	.0	.0	.0	1.5	.0	2.8
	4-10	.0	.0	5.1	18.2	2.5	.8	.3	.0	.0	.0	.0	26.8
	11-21	.0	.0	8.2	42.3	1.8	.0	.0	.0	.0	.0	.0	52.3
	22+	.0	.0	.7	3.9	.3	.0	.0	.0	.0	.0	.0	4.9
	TOT %	.0	.0	14.5	65.2	4.6	.8	.3	.0	.0	1.5	.0	86.9
TOT OBS													388
TOT PCT		.2	.1	16.6	75.0	5.4	.9	.3	.1	.0	1.5	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1854-1975

AREA 0022 ST. HELENA
15.85 5.3W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	3.8	21.8	34.6	14.1	5.1	.0	.0	.0	79.5	20.5	78
06009	.0	1.3	2.6	20.5	41.0	15.4	6.4	1.3	.0	.0	88.5	11.5	78
12015	.0	.0	2.2	17.8	43.3	16.7	5.6	.0	.0	1.1	86.7	13.3	90
18021	.0	.0	.0	22.1	32.6	16.3	5.8	.0	.0	.0	76.7	23.3	86
TOT	0	1	7	68	126	52	19	1	0	1	275	57	332
PCT	.0	.3	2.1	20.5	38.0	15.7	5.7	.3	.0	.3	82.8	17.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	1.0	15.6	83.3	96
06009	.0	.0	.0	1.1	15.4	83.5	91
12015	.0	.0	.0	1.0	10.7	88.3	103
18021	.0	.0	.0	2.0	6.9	91.1	101
TOT	0	0	0	5	47	339	391
PCT	.0	.0	.0	1.3	12.0	86.7	100.0

TABLE 12

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

HR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	3.9	26.3	55.3	18.4	76
06009	.0	3.8	25.6	64.1	10.3	78
12015	.0	2.3	21.6	67.0	11.4	88
18021	.0	.0	23.8	56.0	20.2	84
TOT	0	8	79	198	49	326
PCT	.0	2.5	24.2	60.7	15.0	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	.3	.0	.0	1	.3
75/79	.0	.0	.0	.3	.6	.0	.0	.0	3	.9
70/74	.0	.0	.9	6.7	5.8	2.9	.9	.0	59	17.3
65/69	.0	.0	.6	9.6	33.9	24.0	5.3	.0	251	73.4
60/64	.0	.0	.3	.8	3.2	2.9	1.2	.0	28	8.2
TOTAL	0	0	6	59	149	103	25	.0	342	100.0
PCT	.0	.0	.0	1.8	17.3	43.6	30.1	7.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.3	.1	.5	.0	.0	.0	.0	.0
70/74	.0	.0	3.2	12.1	.4	.6	.0	.0	.0	.9
65/69	.2	.1	12.0	33.9	3.8	.4	.3	.1	.0	.6
60/64	.0	.0	.9	6.1	.9	.0	.0	.0	.0	.3
TOTAL	.2	.1	16.4	74.6	5.6	1.0	.3	.1	.0	1.8

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	77	72	69	66	64	62	62	66.5	285
06009	77	76	69	66	63	62	62	66.5	168
12015	80	76	74	69	66	64	63	69.1	361
18021	84	74	71	67	64	63	63	67.4	200
TOT	84	76	72	67	64	63	62	67.6	1014

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	14.8	45.5	35.2	4.5	.0	.0	77	88
06009	.0	1.3	15.4	38.5	32.1	12.8	.0	.0	78	78
12015	.0	3.3	25.3	42.9	24.2	4.4	.0	.0	74	91
18021	.0	2.3	11.6	45.5	28.4	10.2	.0	.0	77	88
TOT	0	6	60	149	103	27	.0	.0	77	345

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.35 5.3W

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	TOT	N FOG	NO FOG
7/8	.0	.0	.0	1.2	4	.0	1.2
6	.0	.0	.0	.3	1	.0	.3
5	.0	.6	.0	.9	5	.0	1.4
4	.3	.3	1.7	1.2	12	.0	3.5
3	.0	.0	.9	.0	3	.0	.9
2	.0	4.0	3.5	.3	27	.0	7.8
1	.3	6.9	3.8	.0	38	.0	11.0
0	.3	9.8	2.6	.3	45	.0	13.0
-1	.3	12.4	3.2	.0	55	.0	15.9
-2	1.7	11.0	1.4	.3	30	.0	14.5
-3	1.7	7.5	2.0	.3	40	.0	11.6
-4	.9	6.9	.6	.0	29	.0	8.4
-5	1.4	2.9	.6	.0	17	.0	4.9
-6	.6	2.9	.0	.0	12	.0	3.5
-7/-8	.3	.3	.3	.3	4	.0	1.2
-9/-10	.0	.3	.3	.0	2	.0	.6
-11/-13	.0	.3	.0	.0	1	.0	.3
-14/-16	.3	.0	.0	.0	1	.0	.3
TOTAL	28	72			346	0	346
PCT	8.1	229 66.2	20.8	4.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.2	.6	.0	.0	.0	.0	1.7	1.2	1.2	.0	.0	.0	.0	.0	2.3
1-2	.0	3.2	1.4	.0	.0	.0	4.6	.0	5.1	5.6	.0	.0	.0	.0	10.7
3-4	.0	1.0	3.0	.0	.0	.0	4.0	.0	6.1	16.3	1.2	.0	.0	.0	23.6
5-6	.0	1.0	2.3	.0	.0	.0	3.3	.0	2.0	17.5	1.2	.0	.0	.0	20.7
7	.0	.0	1.0	.4	.0	.0	1.4	.0	.0	9.0	3.0	.6	.0	.0	12.6
8-9	.0	.0	.6	.0	.0	.0	.6	.0	.0	2.3	.6	.0	.0	.0	2.9
10-11	.0	.0	.6	.0	.0	.0	.6	.0	.0	2.9	.0	.0	.0	.0	2.9
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	5.8	9.0	.4	.0	.0	16.3	1.2	14.3	54.2	5.9	.6	.0	.0	76.2

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER
TABLE 18 (CONT)

AREA 0022 ST. HELENA
15.3S 5.3W

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

HGT	S							SW							PCT
	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	2.0	.4	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.4	.9	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.4	.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.4	.0	.0	.0	.4	.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	.0	2.9	2.2	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	

HGT	W							NW							PCT	TOTAL PCT
	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	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.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	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	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	4.0	1.7	.0	.0	.0	.0	5.8	
1-2	.0	10.4	7.5	.0	.0	.0	17.9	
3-4	.0	8.1	20.2	1.2	.0	.0	29.5	
5-6	.0	3.5	20.2	1.2	.0	.0	24.9	
7	.0	.0	10.4	3.5	.6	.0	14.5	
8-9	.0	.0	2.9	.6	.0	.0	3.5	
10-11	.0	.0	3.5	.0	.0	.0	3.5	
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	.6	.0	.0	.0	.6	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.0	23.7	65.3	6.4	.6	.0	100.0	173

PERIOD: (OVER-ALL) 1949-1975

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	
4-6	2.1	4.8	13.0	8.6	3.8	.0	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	4	
6-7	.0	.0	3.8	12.3	6.8	1.0	2.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	6
8-9	.0	.7	1.0	5.5	5.5	3.4	.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	7
10-11	.0	2.1	.3	.7	2.7	1.0	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	7
12-13	.0	.0	1.4	.7	2.1	.3	.3	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	16	9
>13	.0	.0	.0	.0	1.7	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	7	10
INDET	1.4	.0	.3	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
TOTAL	10	22	58	83	68	18	21	8	1	0	0	1	2	0	0	0	0	0	0	0	292	6
PCT	3.4	7.5	19.9	28.4	23.3	6.2	7.2	2.7	.3	.0	.0	.3	.7	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	TPDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.9	.0	.0	.0	.0	.0	.9	.7	.0	.0	.0	.0	.0	98.4
SE	.0	2.3	1.2	.0	.0	.0	.0	3.5	4.4	.0	.0	.0	.0	.0	92.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	1.9	.8	.0	.0	.0	.0	2.7	3.2	.0	.0	.0	.0	.0	94.1
TOT OBS:	372														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	TPDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	1.9	1.0	.0	.0	.0	.0	2.9	1.9	.0	.0	.0	.0	.0	95.2
06009	.0	2.1	1.0	.0	.0	.0	.0	3.1	5.2	.0	.0	.0	.0	.0	91.7
12015	.0	1.1	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	.0	.0	.0	96.7
18021	.0	2.4	1.2	.0	.0	.0	.0	3.6	3.6	.0	.0	.0	.0	.0	92.9
TOT PCT	.0	1.9	.8	.0	.0	.0	.0	2.7	3.2	.0	.0	.0	.0	.0	94.1
TOT OBS:	374														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	.0	.0	.0	.0	.1	10.0	.0	.0	.0	.0	.0	.0	1.2	.0
NE	.0	.4	.5	.0	.0	.0	1.0	12.7	1.0	1.2	.0	.0	1.3	1.6	.0	1.5
E	.1	6.7	13.9	1.7	.0	.0	22.4	13.6	23.5	13.7	26.2	17.2	23.7	31.3	25.3	23.5
SE	.5	17.0	47.6	6.1	.2	.0	71.4	14.3	70.8	76.8	73.8	76.6	70.9	60.4	71.3	68.4
S	.*	1.6	2.3	.2	.0	.0	4.2	12.2	3.8	6.3	.0	5.4	3.6	5.7	2.1	4.8
SW	.0	.4	.1	.0	.0	.0	.5	8.7	.2	1.2	.0	.4	.5	.0	.0	1.5
W	.0	.*	.2	.0	.0	.0	.2	13.1	.2	.3	.0	.4	.0	1.0	.0	.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7						.2	.0	.5	.6	.0	.0	.0	.0	.0	.0
TOT OBS	10	318	783	97	2	0	1210	14.0	210	168	86	129	303	96	82	136
TOT PCT	.8	26.3	64.7	8.0	.2	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	06	12	18	21	
N	.0	.1	.0	.0	.0	.1	10.0	.0	.0	.0	.0	.0	.5
NE	.2	.4	.4	.0	.0	1.0	12.7	1.1	.0	1.4	.9	.9	.9
E	1.4	14.9	5.8	.3	.0	22.4	13.6	19.1	20.8	25.5	24.2	24.2	
SE	3.3	42.2	25.2	.8	.0	71.4	14.3	73.5	75.5	68.4	69.5	69.5	
S	.4	2.9	.9	.0	.0	4.2	12.2	4.9	3.3	4.1	3.8	3.8	
SW	.2	.3	.*	.0	.0	.5	8.7	.7	.2	.4	.9	.9	
W	.0	.2	.*	.0	.0	.2	13.1	.3	.2	.3	.2	.2	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2					.2	.0	.5	.0	.0	.0	.0	
TOT OBS	68	738	391	13	0	1210	14.0	378	215	399	218	218	
TOT PCT	5.6	61.0	32.3	1.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.45 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	.5	.3	28.6	63.0	7.7	.0	.0	13.8	100.0	378
0600	.0	.9	25.1	65.1	8.4	.5	.0	14.2	100.0	215
1200	.0	1.0	25.6	64.9	8.3	.3	.0	14.0	100.0	399
1800	.0	.5	24.8	67.0	7.8	.0	.0	14.2	100.0	218
TOT	2	8	318	783	97	2	0	14.0		1210
PCT	.2	.7	26.3	64.7	8.0	.2	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.3	8.0	.0
E	1.9	1.0	10.2	16.2	6.8	.0
SE	4.0	4.5	25.2	33.0	6.7	.0
S	.0	.7	.3	.2	5.1	.0
SW	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	20	21	120	175	336	6.7
TOT PCT	6.0	6.3	35.7	52.1	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
.0	.2	.7	7.4	11.3	3.1	.6	.0	.0	.0	.3	5.7
.0	.4	1.3	14.4	26.5	9.1	3.0	.9	.6	.0	.0	12.6
.0	.0	.0	.2	.0	.0	.0	.0	.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	.2	.7	7.5	12.8	4.1	1.2	.3	.2	.1	.6	6.5
.0	.6	2.1	22.3	38.1	12.2	3.6	.9	.6	.3	19.3	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 >50YD	= OR >0
= OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
= OR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
= OR >3500	5.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6
= OR >2000	15.4	17.5	17.8	17.8	17.8	17.8	17.8	17.8
= OR >1000	50.1	55.5	55.8	55.8	55.8	55.8	55.8	55.8
= OR >600	71.2	77.7	78.0	78.0	78.0	78.0	78.0	78.0
= OR >300	73.0	79.8	80.1	80.1	80.1	80.1	80.1	80.1
= OR >150	73.6	80.4	80.7	80.7	80.7	80.7	80.7	80.7
= OR >0	73.6	80.4	80.7	80.7	80.7	80.7	80.7	80.7
TOTAL	248	271	272	272	272	272	272	272

TOTAL NUMBER OF OBS: 337

PCT FREQ NH <5/8 19.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.8	3.3	5.8	4.7	6.1	6.6	11.3	17.4	43.9	.0	362

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.3	1.3	.0	.0	.0	.0	.0	.0	.0	1.6
	NO PCP	.0	.0	1.1	5.6	.2	.0	.0	.0	.0	.0	.0	7.0
	TOT %	.0	.0	1.4	7.0	.2	.0	.0	.0	.0	.0	.0	8.6
10+	PCP	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1
	NO PCP	.3	.3	27.8	60.6	.9	.3	.0	.0	.0	.0	.0	90.1
	TOT %	.3	.3	27.8	61.6	.9	.3	.0	.0	.0	.0	.0	91.1
TOT OBS												372	
TOT PCT												.3	
												.3	
												29.2	
												68.9	
												1.1	
												.3	
												.0	
												.0	
												.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.3	1.1	.2	.0	.0	.0	.0	.0	.0	1.5
	11-21	.0	.0	1.3	4.9	.0	.0	.0	.0	.0	.0	.0	6.3
	22+	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8
	TOT %	.0	.0	1.6	6.8	.2	.0	.0	.0	.0	.0	.0	8.5
10+	0-3	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.5
	4-10	.3	.0	10.0	19.9	.6	.3	.0	.0	.0	.0	.0	31.0
	11-21	.0	.3	14.3	37.0	.3	.0	.0	.0	.0	.0	.0	51.8
	22+	.0	.0	2.9	5.1	.0	.0	.0	.0	.0	.0	.0	8.0
	TOT %	.3	.3	27.4	62.2	.9	.3	.0	.0	.0	.0	.0	91.3
TOT OBS												400	
TOT PCT												.3	
												.3	
												29.0	
												69.2	
												1.1	
												.3	
												.0	
												.0	
												.0	
												100.0	

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.4S 5.2W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0000	1.49	2.99	5.99	11.98	23.96	47.92	95.84	191.68	383.36	766.72	72.0	28.0	93
0600	0.0	0.0	3.4	27.6	40.2	13.8	2.3	1.1	0.0	1.1	89.7	10.3	87
1200	0.0	1.2	1.2	20.0	31.8	17.6	5.9	1.2	1.2	0.0	80.0	20.0	85
1800	0.0	0.0	2.4	16.9	39.8	10.8	2.4	0.0	0.0	0.0	72.3	27.7	83
TOT	0	2	7	75	128	42	13	3	2	1	273	75	348
PCT	0.0	0.6	2.0	21.6	36.8	12.1	3.7	0.9	0.6	0.3	78.4	21.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	0.0	0.0	0.0	0.9	12.4	86.7	113
0600	0.0	0.0	0.0	0.0	5.9	94.1	101
1200	0.0	0.0	0.0	0.0	5.1	94.9	99
1800	0.0	0.0	0.0	0.0	10.1	89.9	89
TOT	0	0	0	1	34	367	402
PCT	0.0	0.0	0.0	0.2	8.5	91.3	100.0

TABLE 12

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

HR	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
0000	0.0	2.2	25.3	48.4	26.4	91
0600	0.0	3.5	31.8	58.8	9.4	85
1200	0.0	2.5	23.5	60.5	16.0	81
1800	0.0	2.5	20.0	55.0	25.0	80
TOT	0	9	85	187	65	337
PCT	0.0	2.7	25.2	55.5	19.3	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
75/79	0.0	0.0	0.3	1.2	0.3	0.6	0.0	0.0	8	2.4
70/74	0.0	0.0	0.0	0.9	6.8	9.1	1.0	0.0	61	18.4
65/69	0.0	0.0	0.0	0.6	7.3	28.1	28.7	8.8	243	73.4
60/64	0.0	0.0	0.0	0.0	0.3	2.1	1.5	1.8	19	5.7
TOTAL	0	0	1	9	48	132	106	35	331	100.0
PCT	0.0	0.0	0.3	2.7	14.5	39.9	32.0	10.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	0.0	0.0	0.5	1.7	0.0	0.3	0.0	0.0	0.0	0.0
70/74	0.3	0.3	6.3	11.3	0.3	0.0	0.0	0.0	0.0	0.0
65/69	0.0	0.0	21.0	51.7	0.8	0.0	0.0	0.0	0.0	0.0
60/64	0.0	0.0	1.6	3.9	0.2	0.0	0.0	0.0	0.0	0.0
TOT	0.3	0.3	29.3	68.5	1.3	0.3	0.0	0.0	0.0	0.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	80	74	70	67	64	62	58	66.9	351
0600	80	74	71	67	64	63	61	67.1	205
1200	80	76	74	69	66	65	64	69.6	380
1800	81	74	72	68	65	63	61	67.9	203
TOT	81	75	73	68	64	63	58	68.0	1139

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	0.0	0.0	7.9	36.0	38.2	18.0	80	89		
0600	0.0	1.1	14.8	28.4	40.9	14.8	79	88		
1200	0.0	9.9	27.2	46.9	12.3	3.7	72	81		
1800	0.0	1.3	9.3	50.7	34.7	4.0	77	75		
TOT	0	10	49	133	106	35	77	333		

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
19.4S 152W

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	TOT	W FOG	WD FOG
9/10	.0	.0	.0	.3	.6	3	.0	.9
7/8	.0	.0	.0	3.5	.3	13	.0	3.8
6	.0	.0	.3	.6	.0	3	.0	.9
5	.0	.0	.6	.6	.0	4	.0	1.2
4	.0	.3	2.6	.9	.0	13	.0	3.8
3	.0	.6	2.6	.9	.0	14	.0	4.1
2	.0	2.6	3.8	.0	.0	22	.0	6.4
1	.0	3.5	2.0	.0	.0	19	.0	5.6
0	.3	14.3	3.8	.0	.0	63	.0	18.4
-1	.6	14.6	2.6	.0	.0	61	.0	17.8
-2	.6	15.5	1.5	.0	.0	60	.0	17.5
-3	1.5	6.1	.6	.0	.0	28	.0	8.2
-4	1.8	2.9	.3	.0	.0	17	.0	5.0
-5	.3	2.3	.0	.0	.0	9	.0	2.6
-6	.9	1.5	.0	.3	.0	9	.0	2.6
-7/-8	.6	.3	.0	.0	.0	3	.0	.9
-11/-13	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	22	222	71	24	3	342	0	342
PCT	6.4	64.9	20.8	7.0	.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.4	8.6	.0	.0	.0	7.0	.6	7.6	4.1	.0	.0	.0	.0	12.3
3-4	.0	1.8	8.5	.0	.0	.0	10.2	.0	5.3	19.6	.0	.0	.0	.0	24.9
5-6	.0	.0	7.5	1.0	.0	.0	8.5	.0	1.8	20.6	1.9	.0	.0	.0	23.7
7	.0	.0	1.6	1.9	.0	.0	3.5	.0	.0	1.9	2.2	.0	.0	.0	4.1
8-9	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.4	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.6	.0	.0	.0	1.8
12	.0	.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	.6	.0	.0	.0	.0	.6
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	8.2	18.1	4.2	.0	.0	30.6	.6	15.2	48.5	4.5	.0	.0	.0	68.9

PERIOD: (OVER-ALL) 1963-1975

OCTOBER
TABLE 18 (CONT)

AREA 0022 ST. HELENA
13.4S 5.2W

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

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

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.6	.6	.0	.0	.0	1.2	
1-2	.6	14.6	4.7	.0	.0	.0	19.9	
3-4	.0	7.0	28.1	.0	.0	.0	35.1	
5-6	.0	1.8	28.1	2.3	.0	.0	32.2	
7	.0	.0	3.5	4.1	.0	.0	7.6	
8-9	.0	.0	.0	1.8	.0	.0	1.8	
10-11	.0	.0	1.2	.6	.0	.0	1.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.6	.0	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	24.0	66.7	8.8	.0	.0	100.0	171

PERIOD: (OVER-ALL) 1949-1975

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	.0	5.5	20.6	8.9	1.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	108	4
6-7	.0	1.4	4.1	13.8	8.6	3.1	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	104	6
8-9	.0	.0	1.4	3.1	3.1	3.1	1.4	.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	7
10-11	.0	.0	.3	1.7	1.0	1.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
12-13	.0	.0	.3	1.0	.0	.3	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
>13	.0	.0	.0	.3	1.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
INDET	.7	.0	1.7	.3	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
TOTAL	2	20	83	91	47	25	17	2	4	0	0	0	0	0	0	0	0	0	0	0	291	5
PCT	.7	6.9	28.5	31.3	16.2	8.6	5.8	.7	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG PCPN	FGG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	1.0	1.0	.0	.0	.0	.0	2.1	1.8	.0	.0	.0	.0	.0	96.1
SE	.5	.0	.5	.0	.0	.0	.0	1.0	2.5	.0	.0	.0	.0	.0	96.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	.3	.3	.6	.0	.0	.0	.0	1.2	2.1	.0	.0	.0	.0	.0	96.7
TOT DBS:	331														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG PCPN	FGG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	93.3
0600	1.4	.0	2.9	.0	.0	.0	.0	4.3	1.4	.0	.0	.0	.0	.0	94.3
1200	.0	.0	1.1	.0	.0	.0	.0	1.1	2.7	.0	.0	.0	.0	.0	96.7
1800	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	98.9
TOT PCT	.3	.3	.9	.0	.0	.0	.0	1.5	2.1	.0	.0	.0	.0	.0	96.4
TOT DBS:	335														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.1	.1	.2	.0	.0	.0	.3	8.2	.0	.0	.0	.0	.0	.0	2.3	.3
NE	.0	.7	.5	.1	.0	.0	1.3	10.9	2.1	.8	.0	1.8	1.0	1.6	.0	1.6
E	.1	7.9	12.8	1.2	.0	.0	22.0	12.9	21.5	14.4	25.7	18.0	25.3	22.4	32.5	21.4
SE	.8	22.4	43.7	9.6	.0	.0	70.6	13.1	68.0	77.2	71.3	75.0	68.6	72.8	57.5	71.1
S	.2	2.5	2.2	.1	.0	.0	5.0	10.6	5.8	6.8	1.1	3.5	5.1	3.1	5.5	3.6
SW	.1	.3	.*	.0	.0	.0	.5	6.8	.9	.8	.4	1.8	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.1	.0	.0	.0	.0	.1	5.5	.4	.0	.0	.0	.0	.0	1.1	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2						.2	.0	.4	.0	1.5	.0	.0	.0	1.1	.0
TOT DBS	21	456	793	66	0	0	1336	12.8	224	191	67	142	311	127	87	187
TOT PCT	1.6	34.1	59.4	4.9	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	.1	.1	.*	.0	.0	.3	8.2	.4	.0	.0	.9
NE	.3	.7	.2	.0	.0	1.3	10.9	1.5	1.2	1.2	1.1
E	1.8	14.2	5.9	.0	.0	22.0	12.9	18.3	20.5	24.5	24.9
SE	5.7	45.6	19.1	.1	.0	70.6	13.1	72.2	73.8	69.8	66.8
S	.9	3.6	.5	.0	.0	5.0	10.6	6.3	2.8	4.5	3.6
SW	.2	.2	.0	.0	.0	.5	6.8	.8	1.3	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.1	.0	.0	.0	.0	.1	5.5	.2	.0	.0	.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2					.2	.0	.2	.5	.0	.4
TOT DBS	127	862	345	2	0	1336	12.8	415	209	438	274
TOT PCT	9.5	64.5	25.8	.1	.0	100.0	100.0	100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1863-1973
(OVER-ALL) 1854-1973

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GKT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.2	2.2	33.0	59.3	5.3	.0	.0	12.8	100.0	415
06009	.5	.5	34.0	60.3	4.8	.0	.0	12.9	100.0	209
12015	.0	.7	34.7	59.8	4.8	.0	.0	12.7	100.0	438
18021	.4	1.8	35.0	58.0	4.7	.0	.0	12.8	100.0	274
TOT	.3	1.8	45.6	79.3	6.6	.0	.0	12.8		1336
PCT	.2	1.3	34.1	59.4	4.9	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL OBS	MEAN CLOUD COVER
NE	.7	.1	.4	.5	4.1	4.1
E	3.0	3.8	9.5	13.6	6.2	6.2
SE	5.3	7.5	17.4	31.9	6.4	6.4
S	.7	.8	1.5	.8	5.1	5.1
SW	.4	.0	.0	.0	1.0	1.0
W	.0	.0	.0	.0	.0	.0
NW	.0	.0	.3	.3	6.5	6.5
VAR	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.3	.0	3.5	3.5
TOT OBS	34	38	90	144	306	6.2
TOT PCT	11.1	12.4	29.4	47.1	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
NE	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	1.4	
E	.7	.7	.7	3.8	10.3	3.5	.6	.3	.0	.0	.0	9.7	
SE	.1	.0	1.2	6.5	23.8	9.3	2.4	.4	.0	.0	.0	16.4	
S	.0	.0	.0	.8	.7	.5	.0	.2	.0	.0	.0	1.6	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
TOT OBS	1	2	8	41	108	42	9	3	0	0	0	306	
TOT PCT	.3	.7	2.0	13.4	35.3	13.7	2.9	1.0	.0	.0	.0	30.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>3500	3.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6
>2000	17.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3
>1000	32.0	32.6	32.6	32.6	32.6	32.6	32.6	32.6
>600	63.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0
>300	65.7	67.6	68.0	68.0	68.0	68.0	68.0	68.0
>150	65.7	68.3	68.6	68.6	68.6	68.6	68.6	68.6
>0	66.0	68.6	69.0	69.0	69.0	69.0	69.0	69.0
TOTAL	202	210	211	211	211	211	211	211

TOTAL NUMBER OF OBS: 306

PCT FREQ NH <5/8: 31.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.2	6.9	5.6	6.0	10.0	7.2	7.5	15.4	39.2	.0	319

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.9
	NO PCP	.0	.0	1.4	2.7	.2	.0	.0	.0	.0	.0	.3	4.5
	TOT %	.0	.0	1.7	3.3	.2	.0	.0	.0	.0	.0	.3	5.5
10+	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3
	NO PCP	.8	1.5	27.1	59.5	3.6	.4	.0	.6	.0	.0	.3	93.9
	TOT %	.8	1.5	27.4	59.5	3.6	.4	.0	.6	.0	.0	.3	94.2
TOT OBS													330
TOT PCT		.8	1.5	29.1	63.1	3.9	.4	.0	.6	.0	.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	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.2	1.0	.2	.0	.0	.0	.0	.0	.0	1.5
	11-21	.0	.0	1.4	3.3	.0	.0	.0	.0	.0	.0	.0	4.7
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.6	4.3	.2	.0	.0	.0	.0	.0	.0	6.4
10+	0-3	.3	.0	.4	1.0	.2	.4	.0	.0	.0	.0	.3	2.6
	4-10	.3	1.2	11.1	23.7	2.5	.0	.0	.6	.0	.0	.3	39.4
	11-21	.2	.2	14.2	32.1	.8	.0	.0	.0	.0	.0	.0	47.5
	22+	.0	.0	1.1	2.7	.0	.0	.0	.0	.0	.0	.0	3.8
	TOT %	.8	1.5	26.8	59.5	3.5	.4	.0	.6	.0	.0	.3	93.3
TOT OBS													363
TOT PCT		.8	1.5	28.4	64.1	3.7	.4	.0	.6	.0	.6	100.0	

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TABLE 10

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

HR	000	100	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000	6000	8000+	TOTAL	NH <5/8	TOTAL
(GMT)	149	299	599	999	1999	3999	4999	6499	7999											ANY HGT	DBS
00003	.0	1.3	2.5	12.7	31.6	11.4	2.5	.0	.0	.0	62.0	38.0	79								
06009	.0	.0	4.5	12.1	45.5	15.2	4.5	3.0	.0	.0	84.8	15.2	66								
12015	1.2	1.2	1.2	12.3	33.3	16.0	3.7	1.2	.0	.0	70.4	29.6	81								
18021	.0	.0	.0	15.3	30.6	12.9	1.2	.0	.0	.0	60.0	40.0	85								
TOT	1	2	6	41	108	43	9	3	0	0	213	98	311								
PCT	.3	.6	1.9	13.2	34.7	13.8	2.9	1.0	.0	.0	68.5	31.5	100.0								

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							DBS
00003	.0	.0	.0	.0	9.1	90.9	88
06009	.0	.0	.0	.0	9.6	90.4	73
12015	.0	.0	.0	.0	7.4	92.6	95
18021	.0	.0	.0	1.1	2.2	96.7	91
TOT	0	0	0	1	24	322	347
PCT	.0	.0	.0	.3	6.9	92.8	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<50YD	<1	<5	AND5+	AND 5+	DBS
00003	.0	3.8	16.5	45.6	38.0	79
06009	.0	4.6	16.9	69.2	13.8	65
12015	1.3	3.8	16.5	54.4	29.1	79
18021	.0	.0	15.7	44.6	39.8	83
TOT	1	9	50	161	95	306
PCT	.3	2.9	16.3	52.6	31.0	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	PCT
									DBS	FREQ
80/84	.0	.0	.0	.3	.7	.3	.0	.0	4	1.3
75/79	.0	.0	.0	.7	3.7	1.3	.7	.3	20	6.6
70/74	.0	.0	.0	.7	8.4	13.3	8.0	1.7	97	32.2
65/69	.0	.0	.0	.7	4.3	24.9	22.6	7.0	179	59.5
60/64	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	7	52	120	95	27	301	100.0
PCT	.0	.0	.0	2.3	17.3	39.9	31.6	9.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.8	.5	.0	.0	.0	.0	.0	.0
75/79	.2	.5	1.9	3.7	.0	.0	.0	.0	.0	.3
70/74	.3	.3	9.4	20.5	1.0	.0	.0	.7	.0	.0
65/69	.3	.7	16.8	37.6	3.2	.4	.0	.0	.0	.3
60/64	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
TOTAL	.9	1.6	28.9	62.6	4.2	.4	.0	.7	.0	.7

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									DBS
00003	77	72	71	68	65	64	63	67.9	396
06009	75	73	71	68	66	64	64	68.4	205
12015	83	79	76	71	67	66	65	70.9	427
18021	80	76	73	69	66	65	63	69.2	265
TOT	83	77	73	69	66	65	63	69.3	1293

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										DBS
00003	.0	1.3	6.4	35.9	43.6	12.8	80	78		
06009	.0	1.5	7.7	40.0	38.5	12.3	78	65		
12015	.0	3.7	38.3	34.6	17.3	6.2	72	81		
18021	.0	2.5	13.9	49.4	27.8	6.3	76	79		
TOT	0	7	52	121	95	28	77	303		

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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	TOT	% FOG	WD FOG
11/13	.0	.0	.0	.0	.6	.3	3	.0	.9
9/10	.0	.0	.3	.9	.9	.0	7	.0	2.2
7/8	.0	.0	.0	1.3	.3	.0	5	.0	1.6
6	.0	.0	.3	.9	.0	.3	5	.0	1.6
5	.0	.0	.6	1.3	.6	.0	8	.0	2.5
4	.0	.0	1.9	1.3	.0	.0	10	.0	3.1
3	.0	.3	2.8	1.3	.0	.0	17	.0	5.3
2	.3	.9	5.9	.6	.3	.0	26	.0	8.1
1	.0	2.8	9.4	1.3	.3	.0	44	.0	13.8
0	.0	6.6	8.8	1.3	.0	.0	53	.0	16.6
-1	.0	9.1	5.3	.3	.0	.0	47	.0	14.7
-2	.0	10.6	3.8	.3	.0	.0	47	.0	14.7
-3	.0	4.4	2.8	.0	.0	.0	23	.0	7.2
-4	.0	3.1	.3	.0	.0	.0	11	.0	3.4
-5	.0	2.2	.3	.0	.0	.0	8	.0	2.5
-6	.3	.9	.0	.0	.0	.0	4	.0	1.3
-7/-8	.3	.3	.0	.0	.0	.0	2	.0	.6
TOTAL	3	132	139	34	10	2	320	0	920
PCT	.9	41.3	43.4	10.6	3.1	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	1.2
1-2	.0	.6	.0	.0	.0	.0	.6	.0	.1	.0	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.0	1.9	.0	.0	.0	.0	.0	1.9

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.2	.0	.0	.0	.0	1.2	.6	2.7	.0	.0	.0	.0	.0	3.3
1-2	.4	8.0	2.3	.0	.0	.0	10.9	1.9	7.7	3.0	.0	.0	.0	.0	12.6
3-4	.0	3.7	5.3	.0	.0	.0	9.0	.0	7.0	16.6	.0	.0	.0	.0	23.5
5-6	.0	1.2	5.6	.9	.0	.0	7.7	.0	1.2	9.2	.3	.0	.0	.0	10.7
7	.0	.9	2.4	.4	.0	.0	3.7	.0	.3	3.8	.7	.0	.0	.0	4.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.4	.0	.0	.0	.4	.0	.0	.1	1.2	.0	.0	.0	1.3
12	.0	.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	.0
17-19	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	14.9	16.9	1.3	.0	.0	33.6	2.5	18.8	32.7	2.2	.0	.0	.0	56.2

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TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.4	2.5	.4	.0	.0	.0	3.4	.7	.0	.0	.0	.0	.0	.0	.7	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.4	3.4	1.3	.0	.0	.0	5.2	.7	.0	.0	.0	.0	.0	.0	.7	

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.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	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	98.8	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	5.9	.0	.0	.0	.0	7.6	
1-2	3.5	19.4	5.9	.0	.0	.0	28.8	
3-4	.6	10.6	21.8	.0	.0	.0	32.9	
5-6	.0	2.4	14.7	1.2	.0	.0	18.2	
7	.0	1.8	7.1	1.2	.0	.0	10.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.6	1.2	.0	.0	1.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.6	.0	.0	.0	.6	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	40.0	50.6	3.5	.0	.0	100.0	170

PERIOD: (OVER-ALL) 1949-1975

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	1.1	12.8	17.4	8.2	3.9	.7	.7	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	127	4
6-7	.0	1.4	8.5	9.6	5.7	2.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	5
8-9	.0	.7	1.8	3.9	3.5	3.2	2.5	1.4	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	50	7
10-11	.0	.4	.7	.4	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
12-13	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
>13	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	.7	1.8	.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	2
TOTAL	5	48	85	65	41	19	12	4	1	1	1	0	0	0	0	0	0	0	0	0	282	5
PCT	1.8	17.0	30.1	23.0	14.5	6.7	4.3	1.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1853-1975

AREA 0022 ST. HELENA
15.45 5.2M

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.0	.0	2.3	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	96.7
SE	.5	.9	1.4	.0	.0	.0	.0	2.8	.9	.0	.0	.0	.4	.0	96.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	100.0
TOT PCT	.6	.6	1.5	.0	.0	.0	.0	2.8	.6	.0	.0	.0	.3	.0	96.3
TOT OBS:	325														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	97.5
06009	.0	2.4	2.4	.0	.0	.0	.0	4.9	1.2	.0	.0	.0	.0	.0	93.9
12015	2.1	.0	1.0	.0	.0	.0	.0	3.1	1.0	.0	.0	.0	.0	.0	95.9
18021	.0	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	98.5
TOT PCT	.6	.6	1.5	.0	.0	.0	.0	2.8	.6	.0	.0	.0	.3	.0	96.3
TOT OBS:	326														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.2	.5	.2	.1	.0	.0	1.0	9.6	.6	.0	.0	.6	1.9	2.6	.0	.0	1.1
E	.5	7.9	11.1	1.1	.0	.0	20.6	12.5	17.2	18.4	25.0	18.6	25.5	16.5	25.0	21.3	
SE	.5	26.9	44.3	2.6	.0	.0	74.3	12.6	78.9	77.3	69.9	76.7	68.6	76.1	69.8	74.3	
S	.0	1.4	2.1	.0	.0	.0	3.5	11.7	3.4	3.9	3.8	3.3	3.4	3.5	5.2	2.8	
SW	.0	.0	.0	.0	.0	.0	.0	9.0	.0	.0	.0	.3	.0	.0	.0	.0	
W	.1	.0	.0	.0	.0	.0	.1	2.0	.0	.0	.0	.0	.0	.6	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.0	.0	.0	.0	.0	.5	.0	.0	.4	1.3	.6	.6	.6	.6	.5	
TOT OBS	29	568	892	58	0	0	1547	12.5	265	243	78	181	345	155	62	218	
TOT PCT	1.9	36.7	57.7	3.7	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40	41+				03	06	12	18		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.3	.5	.2	.0	.0	.0	1.0	9.6	.3	.4	2.1	.9		
E	2.0	13.6	5.0	.1	.0	.0	20.6	12.5	17.8	20.6	22.7	22.1		
SE	5.3	51.6	17.4	.0	.0	.0	74.3	12.6	78.1	74.6	71.0	73.3		
S	.3	2.8	.4	.0	.0	.0	3.5	11.7	3.6	3.5	3.5	3.3		
SW	.0	.0	.0	.0	.0	.0	.0	9.0	.0	.0	.2	.0		
W	.1	.0	.0	.0	.0	.0	.1	2.0	.0	.0	.0	.2		
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.5	.0	.0	.0	.0	.0	.5	.0	.2	.8	.6	.6		
TOT OBS	132	1059	355	1	0	1547	100.0	12.5	508	259	500	280		
TOT PCT	8.5	68.5	22.9	.1	.0	100.0			100.0	100.0	100.0	100.0		

DECEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.45 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	.2	1.4	38.4	56.3	3.7	.0	.0	12.3	100.0	908
0600	.8	2.3	38.6	56.4	1.9	.0	.0	12.3	100.0	259
1200	.6	1.4	34.4	59.0	4.6	.0	.0	12.7	100.0	900
1800	.4	.7	36.1	58.9	3.9	.0	.0	12.6	100.0	280
TOT	.7	2.2	36.8	58.2	3.8	.0	.0	12.5		1947
PCT	.5	1.4	36.7	57.7	3.7	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.1	.3		7.8
E	2.3	3.6	8.8	9.4		6.3
SE	10.9	10.4	21.9	28.0		5.8
S	.8	1.0	2.0	.0		4.8
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.3		8.0
TOT OBS	40	43	94	109	286	5.9
TOT PCT	14.0	15.0	32.9	38.1	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	4.0	8.5	2.2	1.6	.2	.0	.0	.0	.0	7.7
SE	.3	.1	1.4	11.5	18.9	8.7	3.0	.9	.0	.0	.0	.3	26.2
S	.0	.3	.0	.3	.9	.3	.0	.0	.0	.0	.0	.0	2.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	1	4	46	82	32	13	3	0	1	103	286	
TOT PCT	.3	.3	1.4	16.1	28.7	11.2	4.5	1.0	.0	.3	36.0	100.0	

TABLE 7

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

CEILING (FEET)	VSBY (NM)			
	>10	>5	>2	>1
>6500	.3	.3	.3	.3
>5000	1.4	1.4	1.4	1.4
>3500	3.2	5.9	5.9	5.9
>2000	13.0	16.8	16.8	16.8
>1000	41.6	45.5	45.5	45.5
>500	55.9	61.5	61.5	61.5
>300	57.3	62.9	62.9	62.9
>150	57.7	63.3	63.3	63.3
>0	58.0	63.6	63.6	63.6
TOTAL	166	182	182	182

TOTAL NUMBER OF OBS: 286

PCT FREQ NH <5/8: 36.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
3.2	8.1	10.4	8.4	7.1	7.8	10.7	15.2	29.1	309

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	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	PCP	.0	.0	.5	.8	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	1.7	7.9	.0	.0	.0	.0	.0	.0	9.6	
	TOT %	.0	.0	2.2	8.6	.0	.0	.0	.0	.0	.0	10.8	
10+	PCP	.0	.0	.3	.9	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.5	21.0	62.5	3.4	.0	.0	.0	.0	.3	87.7	
	TOT %	.0	.5	21.3	63.4	3.4	.0	.0	.0	.0	.3	88.9	
TOT OBS													324
TOT PCT		.0	.5	23.5	72.4	3.4	.0	.0	.0	.0	.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	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	4-10	.0	.0	1.4	3.9	.0	.0	.0	.0	.0	.0	5.3	
	11-21	.0	.0	1.1	4.2	.0	.0	.0	.0	.0	.0	5.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	2.5	8.4	.0	.0	.0	.0	.0	.0	10.9	
10+	0-3	.0	.0	.6	.9	.0	.0	.0	.0	.0	.3	1.8	
	4-10	.0	.4	9.0	27.7	1.2	.0	.0	.0	.0	.0	38.4	
	11-21	.0	.0	11.4	34.1	2.0	.0	.0	.0	.0	.0	47.5	
	22+	.0	.0	.3	.9	.0	.0	.0	.0	.0	.0	1.2	
	TOT %	.0	.4	21.3	63.6	3.2	.0	.0	.0	.0	.3	88.9	
TOT OBS													341
TOT PCT		.0	.4	23.8	72.2	3.2	.0	.0	.0	.0	.3	100.0	

DECEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1855-1975

APEA 0022 ST. HELENA
15.4S 5.2W

TABLE 10

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

HRUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	2.7	9.6	21.9	6.8	4.1	.0	.0	1.4	46.6	53.4	73
06009	.0	1.4	.0	23.0	40.5	10.8	8.1	1.4	.0	.0	85.1	14.9	74
12015	1.1	.0	2.3	16.1	27.6	13.8	2.3	2.3	.0	.0	65.5	34.5	87
18021	.0	.0	.0	12.5	18.8	10.9	3.1	.0	.0	.0	45.3	54.7	64
TOT	1	1	4	46	82	32	13	3	0	1	183	115	298
PCT	.3	.3	1.3	15.4	27.5	10.7	4.4	1.0	.0	.3	61.4	38.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	10.7	89.3	84
06009	.0	.0	.0	1.2	16.3	82.6	86
12015	.0	.0	.0	.0	9.9	90.1	101
18021	.0	.0	.0	.0	5.6	94.4	71
TOT	0	0	0	1	37	304	342
PCT	.0	.0	.0	.3	10.8	88.9	100.0

TABLE 12

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

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	2.9	13.2	36.8	50.0	68
06009	.0	1.4	24.7	61.6	13.7	73
12015	1.2	3.6	20.5	47.0	32.5	83
18021	.0	.0	12.9	33.9	53.2	62
TOT	1	6	52	130	104	286
PCT	.3	2.1	18.2	45.5	36.4	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	.3	.3	.0	.0	.0	.0	2	.7
80/84	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
75/79	.0	.0	.0	1.0	3.1	5.4	2.0	.0	34	11.5
70/74	.0	.0	.0	2.0	13.2	24.4	14.2	5.4	175	59.3
65/69	.0	.0	.0	.0	2.0	8.1	12.9	4.7	82	27.8
60/64	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	1	10	35	112	86	31	295	100.0
PCT	.0	.0	.3	3.4	11.6	38.0	29.2	10.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	3.1	8.0	.5	.0	.0	.0	.0	.0
.0	.4	12.2	44.7	1.7	.0	.0	.0	.0	.3
.0	.1	7.6	19.3	.8	.0	.0	.0	.0	.0
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.5	23.2	73.0	3.0	.0	.0	.0	.0	.3

TABLE 15

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

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	75	73	70	67	65	64	69.7	480
06009	86	76	74	70	67	66	65	70.3	243
12015	85	80	77	73	69	68	64	72.8	480
18021	85	79	75	71	67	66	66	70.9	271
TOT	86	79	76	71	67	66	64	71.0	1474

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	10.7	33.3	37.3	17.3			80	75
06009	.0	2.8	19.4	36.1	30.6	11.1			78	72
12015	.0	6.6	30.8	38.5	17.6	6.6			74	91
18021	.0	3.4	10.3	44.8	34.5	6.9			78	58
TOT	0	11	56	112	86	31			77	296

DECEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1855-1975

APLA 0022 ST. HELENA
15.45 5.2W

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	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WD FOG
14/16	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
11/13	.0	.0	.0	.0	.3	.3	.0	2	.0	.7
9/10	.0	.0	.0	.0	.3	.0	.0	1	.0	.3
7/8	.0	.0	.0	.3	2.0	.0	.0	7	.0	2.3
6	.0	.0	.0	.7	.3	.0	.0	3	.0	1.0
5	.0	.0	.3	2.3	1.0	.0	.0	11	.0	3.7
4	.0	.0	1.0	2.3	1.7	.0	.0	15	.0	5.0
3	.0	.7	4.0	2.0	.0	.0	.0	20	.0	6.7
2	.0	.7	2.7	3.3	.0	.0	.0	20	.0	6.7
1	.0	.0	8.0	2.0	.0	.0	.0	30	.0	10.0
0	.0	1.3	18.0	2.0	.0	.0	.0	64	.0	21.3
-1	.0	1.7	14.0	2.3	.0	.0	.0	34	.0	18.0
-2	.0	3.0	7.7	.2	.0	.0	.0	32	.0	11.0
-3	.0	2.3	3.0	.7	.0	.0	.0	18	.0	6.0
-4	.0	1.7	2.0	.0	.0	.0	.0	11	.0	3.7
-5	.0	.7	1.7	.0	.0	.0	.0	7	.0	2.3
-6	.0	.0	.3	.0	.0	.0	.0	1	.0	.3
-9/-10	.0	.0	.3	.0	.0	.0	.0	1	.0	.3
-11/-13	.3	.0	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	1	36	189	16	1	2		300	0	300
PCT	.3	12.0	63.0	18.3	5.3	.3	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7
1-2	.0	5.5	2.9	.0	.0	.0	8.4	1.4	14.4	6.8	.0	.0	.0	.0	22.6
3-4	.0	1.9	6.2	.0	.0	.0	8.0	.0	8.6	21.2	.0	.0	.0	.0	29.8
5-6	.0	.0	1.7	.0	.3	.0	1.7	.0	5.5	12.7	1.4	.0	.0	.0	19.5
7	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	.9	.0	.0	.0	.0	.9
8-9	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.4	12.7	.0	.0	.0	20.0	2.1	28.4	41.6	1.4	.0	.0	.0	73.5

PERIOD: (OVER-ALL) 1963-1975

DECEMBER

AREA 0022 ST. HELENA
15.4S 5.2W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.5	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.5	2.1	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	2.4	2.6	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	S							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	2.0	.0	.0	.0	.0	.0	2.0	
1-2	1.4	22.4	10.2	.0	.0	.0	34.0	
3-4	.0	10.9	29.3	.0	.0	.0	40.1	
5-6	.0	3.4	14.3	1.4	.0	.0	21.1	
7	.0	.0	2.0	.0	.0	.0	2.0	
8-9	.0	.0	.7	.0	.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	3.4	38.8	56.5	1.4	.0	.0	100.0	147

PERIOD: (OVER-ALL) 1949-1974

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	11.0	18.5	9.8	2.8	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	115	4
6-7	.0	2.0	8.3	13.8	7.5	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	5
8-9	.0	.0	1.2	8.3	2.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	5
10-11	.0	.0	.0	.8	.8	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	8
12-13	.0	.0	.0	.8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
>13	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
INDET	.4	1.2	.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
TOTAL	5	36	73	91	35	8	3	3	0	0	0	0	0	0	0	0	0	0	0	0	254	4
PCT	2.0	14.2	28.7	35.8	13.8	3.1	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	61.9
NE	.8	.0	.3	.0	.0	.0	.0	1.2	8.3	.0	.0	.0	.0	.0	90.5
E	1.0	1.6	1.4	.0	.0	.0	.0	3.9	2.0	.1	.0	.0	.0	.0	94.1
SE	.6	1.8	.8	.0	.0	.0	.0	3.1	2.4	*	*	.0	.1	.0	94.4
S	.4	1.3	1.6	.0	.0	.0	.0	3.3	.8	.0	1.0	.0	.0	.0	94.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	66.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	1.4	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	90.3
TOT PCT	.6	1.8	1.0	.0	.0	.0	.0	3.3	2.1	*	.1	.0	.1	.0	94.4
TOT OBS:	4255														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.7	1.4	1.0	.0	.0	.0	.0	3.0	1.7	.0	.3	.0	.1	.0	94.8
06609	.7	2.2	1.7	.0	.0	.0	.0	4.5	3.4	.0	.0	.0	.1	.0	92.0
12015	.7	1.6	.6	.0	.0	.0	.0	2.9	1.5	.0	.1	.0	.0	.0	95.5
18021	.4	1.8	.7	.0	.0	.0	.0	2.9	1.8	.1	.1	.0	.0	.0	95.2
TOT PCT	.6	1.8	1.0	.0	.0	.0	.0	3.3	2.1	*	.1	.0	.1	.0	94.4
TOT OBS:	4291														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	*	.1	*	.0	.0	.0	.2	6.2	.3	.1	.2	.2	.2	.2	.3	.1
NE	.1	.9	.4	*	.0	.0	1.5	9.5	1.4	1.4	.6	1.7	1.8	1.9	.9	1.5
E	.4	7.3	11.8	1.5	*	.0	21.0	13.1	20.7	17.6	22.0	19.2	23.4	21.3	25.5	18.8
SE	1.1	22.6	41.1	4.8	.2	.0	69.8	13.3	70.3	71.8	71.3	70.9	67.8	68.7	68.0	71.3
S	.4	2.6	2.6	.2	*	.0	5.8	11.0	5.8	7.3	3.6	6.7	5.3	6.1	3.8	6.5
SW	.1	.4	.1	.0	.0	.0	.7	7.9	.6	.8	.6	.7	.6	.8	.4	.9
W	.1	.1	*	.0	.0	.0	.2	3.8	.2	.2	.1	.2	.2	.4	.2	.2
NW	*	.1	*	.0	.0	.0	.1	5.4	.1	.1	.3	.1	.1	.1	.2	.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.6	.7	1.3	.4	.6	.4	.8	.5
TOT OBS							16368	12.9	2788	2248	942	1711	4216	1426	958	2079
TOT PCT	3.0	34.1	56.1	6.5	.3	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	06	12	18	21	
N	.1	.1	*	.0	.0	.2	6.2	.2	.2	.2	.2	.2	.2
NE	.6	.8	.2	*	.0	1.5	9.5	1.4	1.3	1.8	1.8	1.3	1.3
E	2.2	12.8	5.7	.3	*	21.0	13.1	19.4	20.3	22.8	21.0	21.0	21.0
SE	6.5	43.0	19.6	.7	*	69.8	13.3	71.0	70.9	68.0	70.3	70.3	70.3
S	1.3	3.6	.9	*	.0	5.8	11.0	6.4	5.5	5.6	5.6	5.6	5.6
SW	.4	.3	*	.0	.0	.7	7.9	.7	.7	.6	.8	.8	.8
W	.2	*	*	.0	.0	.2	3.8	.2	.2	.3	.2	.2	.2
NW	.1	*	*	.0	.0	.1	5.4	.1	.1	.1	.1	.1	.1
VAR	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6					.6	.0	.6	.8	.8	.6	.6	.6
TOT OBS						16368	12.9	5036	2653	5642	3037	3037	3037
TOT PCT	11.9	60.6	26.4	1.0	.1	100.0		100.0	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)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.6	2.6	34.1	55.2	7.0	.3	.0	12.9	100.0	5036
06009	.8	2.3	34.7	56.0	6.0	.1	.0	12.8	100.0	2633
12015	.6	2.2	33.4	57.0	6.5	.3	.0	13.0	100.0	5642
18021	.6	2.6	34.8	55.8	6.0	.2	.0	12.9	100.0	3037
TOT								12.9		16368
PCT	.6	2.4	34.1	56.1	6.5	.3	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.2	.2	.3	.2	3.0	3.0
E	3.6	4.2	9.2	7.8	3.6	3.6
SE	10.4	12.1	23.8	22.4	3.6	3.6
S	.9	.7	1.3	.9	3.0	3.0
SW	.1	.1	.1	.1	3.0	3.0
W	*	.0	*	*	1.8	1.8
NW	.1	*	*	.1	2.3	2.3
VAR	.0	.0	.0	.0	.0	.0
CALM	.3	.2	.2	.2	4.0	4.0
TOT OBS					3699	5.5
TOT PCT	15.7	17.6	35.0	31.8	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	*	.1	.0	*	*	.0	.0	.0	.2
NE	.0	.0	.0	.1	.2	*	*	*	.0	.0	.0	.6
E	.1	.1	.3	3.7	6.7	2.6	.7	.2	.0	.1	10.2	
SE	.2	.1	1.1	9.6	18.7	7.7	2.6	.3	.2	.2	28.0	
S	.0	*	*	.5	.8	.6	.1	*	*	.0	1.8	
SW	.0	.0	.0	*	.1	*	.1	*	.0	.0	.2	
W	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
NW	.0	.0	.0	*	*	*	.0	.0	.0	.0	.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
TOT OBS											3699	
TOT PCT	.3	.3	1.4	14.0	26.7	11.0	3.5	.6	.2	.3	41.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.5	.5	.5	.5	.5	.5	.5	.5
>4000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
>3500	4.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6
>2000	14.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6
>1000	39.7	42.0	42.2	42.2	42.2	42.2	42.2	42.2
>600	52.3	56.0	56.2	56.2	56.2	56.2	56.2	56.2
>300	53.7	57.4	57.6	57.6	57.6	57.6	57.6	57.6
>150	53.8	57.7	57.9	57.9	57.9	57.9	57.9	57.9
>0	54.1	57.9	58.2	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBS: 3715

PCT FREQ NH <5/8: 41.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.6	8.5	11.3	11.0	8.8	7.7	9.5	14.9	25.8	*	3907

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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	.0
	ND PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	*	.1	*	.0	.0	.0	.0	*	.1	.1
	ND PCP	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.1	.1
	TOT %	.0	.0	*	.1	.1	.0	.0	.0	.0	*	.2	.2
1<2	PCP	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*
	ND PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*
2<5	PCP	.0	.0	*	.1	.0	.0	.0	.0	.0	.0	.2	.2
	ND PCP	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.5	.5
5<10	PCP	.0	.0	.3	.9	.1	.0	.0	.0	.0	.0	1.3	1.3
	ND PCP	*	.1	1.5	5.1	.6	.2	.0	*	.0	.1	7.5	7.5
	TOT %	*	.1	1.7	6.0	.7	.2	.0	*	.0	.1	8.8	8.8
10+	PCP	*	*	.6	1.0	.1	.0	.0	.0	.0	.0	1.7	1.7
	ND PCP	.2	.9	21.8	61.0	3.4	.4	.2	.2	.0	.7	88.8	88.8
	TOT %	.2	.9	22.4	62.0	3.5	.4	.2	.2	.0	.7	90.5	90.5
TOT OBS													4251
TOT PCT		.3	.9	24.3	68.5	4.3	.6	.2	.2	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.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	*	*
1/2<1	0-3	.0	.0	.0	.1	*	.0	.0	.0	.0	*	.1	.1
	4-10	.0	.0	*	*	*	.0	.0	.0	.0	.0	.1	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.1	.1	.0	.0	.0	.0	*	.2	.2
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.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	.0	.0	.0
	TOT %	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2
	11-21	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.2	.2
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
	TOT %	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.4	.4
5<10	0-3	*	*	.1	.4	.2	.1	.0	.0	*	.1	.8	.8
	4-10	*	*	.5	1.7	.4	.1	.0	*	.0	.1	2.7	2.7
	11-21	.0	.0	1.1	3.2	.1	*	.0	.0	.0	.0	4.5	4.5
	22+	.0	.0	.1	.6	*	.0	.0	.0	.0	.0	.7	.7
	TOT %	*	*	1.8	5.9	.7	.2	.0	*	.0	.1	8.7	8.7
10+	0-3	.1	*	.5	1.2	.4	.1	.1	*	.0	.8	3.2	3.2
	4-10	.1	.6	9.2	22.5	1.7	.3	.1	.1	.0	.7	34.6	34.6
	11-21	*	.1	11.8	35.5	1.3	*	.0	*	.0	.7	48.9	48.9
	22+	.0	.0	.9	2.9	.1	.0	.0	.0	.0	.0	3.9	3.9
	TOT %	.2	.8	22.4	62.1	3.5	.4	.2	.2	.0	.8	90.7	90.7
TOT OBS													4514
TOT PCT		.2	.9	24.3	68.5	4.3	.6	.2	.2	.0	.9	100.0	

PERIOD: (PRIMARY) 1862-1976
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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0000	149	209	599	999	1999	3499	4999	6499	7999				
0003	.2	.4	1.7	14.1	23.0	8.9	2.9	.3	.3	.2	52.0	48.0	984
0609	.4	.3	2.3	16.6	32.9	11.9	4.5	1.2	.2	.4	70.8	29.2	904
1205	.2	.3	.8	12.5	26.8	11.8	3.7	.7	.2	.5	57.4	42.6	956
1801	.4	.0	.8	11.6	21.8	10.7	2.9	.2	.1	.1	48.7	51.3	961
TOT													3805
PCT	.3	.3	1.4	13.7	26.0	10.8	3.4	.6	.2	.3	57.0	43.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
0003	.1	.4	.0	.3	10.3	88.9	1224
0609	.0	.1	.0	.4	10.0	89.5	1074
1205	.1	.2	.0	.3	8.0	91.4	1175
1801	.0	.2	.2	.6	6.7	92.3	1077
TOT							4550
PCT	.1	.2	.0	.4	8.8	90.5	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
0003	.5	2.4	17.2	35.9	46.9	963
0609	.4	3.1	20.2	31.8	28.0	888
1205	.3	1.5	14.6	44.5	40.9	928
1801	.4	1.3	13.2	36.7	50.0	936
TOT						3715
PCT	.4	2.0	16.3	42.0	41.6	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	PCT
90/94	.0	.0	*	.1	*	.0	.0	.0		.1
85/89	.0	.0	*	.1	.2	.1	.0	.0		.5
80/84	.0	.0	.0	.4	1.4	.8	.1	.1		2.7
75/79	.0	.0	.1	1.2	4.4	9.9	3.6	1.0		20.1
70/74	.0	.0	*	1.2	10.0	16.5	9.8	3.4		40.9
65/69	.0	.0	.0	.6	4.6	13.0	11.8	3.6		33.6
60/64	.0	.0	.0	.1	.1	.5	.7	.7		2.0
TOTAL									3755	100.0
PCT	.0	.0	.2	3.6	20.8	40.8	26.0	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
85/89	.0	*	.1	.4	*	.0	.0	.0	.0	.0
80/84	.0	*	.9	1.7	.1	.0	.0	.0	.0	.1
75/79	.0	.3	4.5	14.0	.9	.1	*	.1	.0	.2
70/74	.2	.3	9.9	28.1	1.7	.2	.1	.1	.0	.4
65/69	.1	.3	8.7	22.5	1.5	.2	*	*	.0	.2
60/64	.0	*	.4	1.4	.1	.0	.0	.0	.0	*
TOTAL	.3	.9	24.5	68.2	4.3	.6	.1	.2	.0	.9

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
0003	81	75	73	70	67	65	58	70.5	4774
0609	86	76	74	70	67	66	61	70.8	2559
1205	94	81	78	73	69	67	62	73.2	5462
1801	93	78	75	71	68	66	61	71.5	2927
TOT	94	79	76	71	68	66	58	71.7	15722

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
0003	.0	1.9	11.2	41.5	33.9	11.5	78	1012		
0609	.0	2.5	16.6	36.7	32.0	12.2	78	916		
1205	.0	7.6	34.2	38.3	15.0	4.9	72	950		
1801	.0	3.0	21.5	45.8	23.1	6.6	75	905		
TOT	0	143	791	1530	985	334	76	3789		

ANNUAL

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

TABLE 17

AREA 0022 ST. HELENA
15.35 5.24

PCT FRQ 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	WD FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
17/19	.0	.0	.0	.0	.0	.0	.0	.0	*	2	.0	.1
14/16	.0	.0	.0	.0	.0	*	*	.0	.0	3	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.2	.1	.0	17	.0	.4
9/10	.0	.0	*	.1	.2	.2	.1	.0	.0	24	.0	.6
7/8	.0	*	.1	.7	.3	.6	.1	.0	.0	71	.0	1.9
6	.0	.0	.1	.4	.4	.2	.0	.0	.0	45	.0	1.2
5	.0	.1	.2	.6	.7	.4	.0	.0	.0	79	.0	2.1
4	*	.1	.8	1.0	.9	.2	.0	.0	.0	115	.0	3.0
3	.0	.2	1.2	1.3	1.0	.1	.0	.0	.0	147	.0	3.8
2	*	.8	2.3	1.7	1.2	*	.0	.0	.0	240	.0	6.1
1	*	1.4	3.3	2.8	1.5	*	.0	.0	.0	351	*	9.0
0	.1	3.7	5.3	5.7	1.3	.1	.0	.0	.0	629	.0	16.2
-1	.1	4.7	5.2	5.4	.6	.0	.0	.0	.0	619	*	15.9
-2	.2	5.3	4.7	3.7	.3	.0	.0	.0	.0	571	*	14.4
-3	.3	3.5	3.7	2.6	*	.0	.0	.0	.0	401	.0	10.1
-4	.3	2.8	2.6	1.4	.1	.0	.0	.0	.0	286	.0	7.2
-5	.3	1.5	1.2	.7	.1	.0	.0	.0	.0	148	.0	3.7
-6	.3	.9	.7	.3	.0	.0	.0	.0	.0	87	.0	2.2
-7/-8	.4	.5	.3	.2	.0	.0	.0	.0	.0	56	.0	1.4
-9/-10	.1	.1	.2	.1	.0	.0	.0	.0	.0	18	.0	.5
-11/-13	*	*	.0	*	.0	.0	.0	.0	.0	4	.0	.1
-14/-16	*	.0	*	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL										3916		
PCT	2.1	25.8	32.0	28.8	8.8	1.8	.5	.1	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.1	.0	.0	.0	.0	.0	.1	*	.2	.0	.0	.0	.0	.0	.0	.3
1-2	.0	.1	.0	.0	.0	.0	.1	.0	.5	*	.0	.0	.0	.0	.0	.5
3-4	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.2
5-6	.0	.0	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.0	.0	.0	.0	.2	*	.8	.1	.0	.0	.0	.0	.0	1.0

HGT	E						PCT	SE						PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.3	.8	.1	.0	.0	.0	1.2	.5	1.4	.1	.0	.0	.0	.0	.0	2.0
1-2	.1	5.1	2.1	.0	.0	.0	7.3	.7	9.4	4.2	.0	.0	.0	.0	.0	14.3
3-4	.0	3.6	6.1	.3	.0	.0	9.9	.1	7.8	16.2	.4	.0	.0	.0	.0	24.4
5-6	.0	.3	4.1	.2	.0	.0	4.7	*	1.7	14.8	1.1	.1	.0	.0	.0	17.8
7	.0	.1	1.4	.3	.0	.0	1.9	.0	.2	4.5	1.4	*	.0	.0	.0	6.2
8-9	.0	.1	.4	.2	.0	.0	.7	.0	.1	1.1	.9	.0	.0	.0	.0	2.1
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.6	.2	.1	.0	.0	.0	.9
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.1	.0	.0	.0	.0	.1
17-19	.0	.0	*	*	.0	.0	.1	.0	.0	*	.0	.0	.0	.0	.0	*
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	10.0	14.4	1.0	.0	.0	25.9	1.3	20.7	41.6	4.3	.2	.0	.0	.0	68.0

PERIOD: (OVER-ALL) 1963-1976

ANNUAL
TABLE 18 (CONT)

AREA 0022 ST. HELENA
19.35 5.2W

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.1	.2	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.2	1.1	.1	.0	.0	.0	1.4	.1	.1	.1	.0	.0	.0	.0	.0	.3
3-4	*	.4	.5	.0	.0	.0	.9	.0	*	.0	.0	.0	.0	.0	.0	*
5-6	.0	.1	.5	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.1	.2	.1	.0	.0	.3	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.8	1.2	.1	.0	.0	3.4	.1	.2	.1	.0	.0	.0	.0	.0	.3

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	*	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	*	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.2	99.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.0	2.5	.2	.0	.0	.0	4.7	
1-2	1.2	16.4	6.5	.0	.0	.0	24.0	
3-4	.2	12.0	22.8	.6	.0	.0	35.6	
5-6	*	2.2	19.4	1.4	.1	.0	23.1	
7	.0	.5	6.1	1.8	*	.0	8.4	
8-9	.0	.2	1.5	1.1	.0	.0	2.8	
10-11	.0	.0	.7	.2	.1	.0	1.0	
12	.0	.0	*	.1	.0	.0	.1	
13-16	.0	.0	*	.1	.0	.0	.1	
17-19	.0	.0	*	.0	.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	3.5	33.8	57.3	5.3	.2	.0	100.0	1881

PERIOD: (OVER-ALL) 1949-1975

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	1.4	8.3	17.5	7.8	2.5	1.0	.5	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1276	4
6-7	.1	1.0	7.9	13.3	8.3	2.5	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1073	5
8-9	.0	.3	1.5	4.7	4.2	2.3	1.0	.4	.2	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	495	7
10-11	.0	.5	.4	1.3	.9	1.1	.7	.2	.2	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	182	7
12-13	.0	.0	.7	.7	.6	.4	.3	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	94	7
>13	.0	.0	.0	.5	.6	.1	.2	.1	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	9
INDET	.7	.6	.8	1.0	.5	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	4
TOTAL																					3295	5
PCT	2.1	10.7	28.9	29.3	15.6	7.4	3.6	1.3	.8	.1	.1	*	.1	.0	.0	.0	.0	.0	*	.0	100.0	

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	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	2	.*
83/84	.1	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	6	.*
81/82	.0	.2	.7	1.1	.4	.4	.0	.0	.2	.0	.0	.0	38	.3
79/80	.4	1.4	3.3	3.1	1.5	.4	.2	.0	.1	.0	.1	.1	135	1.0
77/78	3.5	15.4	25.5	14.4	4.6	.5	.1	.1	.8	.2	.1	.3	847	6.0
75/76	11.3	34.9	45.3	42.7	18.9	6.6	1.1	.6	.6	.5	.6	1.6	2108	14.9
73/74	35.4	37.7	21.4	30.8	45.8	30.9	5.9	2.4	1.5	1.4	2.4	7.6	2833	20.1
71/72	33.4	8.6	3.1	6.8	25.1	38.4	29.5	11.6	4.7	5.9	13.1	32.2	2564	18.1
69/70	13.2	1.7	.4	.8	3.2	17.9	39.7	35.0	22.6	23.9	35.2	36.7	2563	18.1
67/68	1.7	.1	.1	.1	.1	4.5	19.8	39.0	44.3	46.0	38.7	18.3	2239	15.8
65/66	.1	.0	.1	.0	.0	.4	3.3	9.5	22.2	18.5	8.0	2.6	658	4.7
63/64	.4	.0	.0	.0	.2	.0	.4	1.6	2.4	3.6	.9	.0	105	.7
61/62	.1	.0	.0	.0	.0	.0	.0	.1	.6	.1	.8	.3	21	.1
59/60	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.4	9	.1
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
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	1390	1262	1371	1178	1357	1128	1075	952	908	1062	1169	1276	14128	100.0
MEAN	72.4	74.6	75.5	75.0	73.5	71.9	69.8	68.6	67.8	67.8	68.7	70.0	71.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1016	1014	1015	1017	1016	1015	1014	1016	1015	380
FEB	1015	1014	1014	1016	1015	1014	1013	1015	1015	374
MAR	1015	1014	1014	1015	1015	1012	1014	1014	1015	493
APR	1016	1016	1015	1016	1016	1015	1015	1016	1016	408
MAY	1017	1015	1016	1017	1018	1015	1016	1016	1017	493
JUN	1019	1018	1018	1020	1020	1017	1019	1018	1019	469
JUL	1020	1019	1019	1020	1021	1020	1019	1020	1020	488
AUG	1020	1020	1020	1021	1020	1019	1019	1021	1020	476
SEP	1019	1018	1018	1019	1019	1017	1018	1019	1019	459
OCT	1019	1018	1017	1019	1018	1016	1017	1018	1018	429
NOV	1017	1016	1017	1018	1018	1016	1016	1017	1017	401
DEC	1016	1016	1016	1017	1017	1015	1015	1015	1016	381
ANN	1017	1017	1017	1018	1018	1016	1016	1017	1017	5251
OBS	1153	143	939	157	1616	140	990	153		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1010	1011	1012	1014	1015	1017	1018	1020	1022
FEB	1009	1010	1011	1013	1015	1016	1018	1019	1020
MAR	1007	1010	1011	1013	1015	1016	1017	1020	1022
APR	1010	1012	1013	1015	1016	1017	1019	1021	1026
MAY	1007	1011	1014	1016	1017	1018	1020	1021	1027
JUN	1007	1014	1016	1018	1019	1020	1023	1024	1026
JUL	1012	1016	1017	1019	1020	1021	1023	1024	1026
AUG	1014	1015	1017	1019	1020	1021	1023	1024	1025
SEP	1010	1010	1016	1018	1019	1020	1022	1023	1024
OCT	1009	1011	1014	1017	1018	1019	1021	1022	1023
NOV	1010	1012	1014	1016	1017	1018	1020	1020	1022
DEC	1010	1012	1013	1015	1016	1017	1019	1020	1021

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.9
S	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	100.0
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	99.2
TOT OBS:	248														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0003	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	98.4
0609	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	98.4
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	99.2
TOT OBS:	251														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.0	.0	.0	.0	.3	.0
NE	.1	.2	.0	.0	.0	.0	.2	4.1	.8	.0	.4	.0	.0	.0	.1	.0
E	.1	3.1	4.9	.1	.0	.0	8.2	12.3	7.9	.0	8.3	5.7	12.6	.0	6.5	5.0
SE	.2	26.3	55.3	1.9	.0	.0	83.8	12.9	83.2	.0	83.8	87.7	81.0	.0	83.5	86.0
S	.2	3.2	3.8	.1	.0	.0	7.3	11.4	6.9	.0	7.2	6.6	6.2	.0	9.0	8.8
SW	.0	*	*	.0	.0	.0	.1	10.2	.0	.0	.0	.0	.1	.0	.1	.1
W	.0	.2	.0	.0	.0	.0	.2	6.3	.4	.0	.4	.0	.0	.0	.3	.0
NW	.0	*	.0	.0	.0	.0	*	5.0	.0	.0	.0	.0	.0	.0	.1	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1						.1	.0	.8	.0	.0	.0	.0	.0	.0	.0
TOT OBS	11	482	933	32	0	0	1458	12.7	244	0	272	159	348	0	217	218
TOT PCT	.8	33.1	64.0	2.2	.0	.0	100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.0	.2
NE	.2	*	.0	.0	.0	.2	4.1	.8	.2	.0	.1
E	.9	5.7	1.6	.0	.0	8.2	12.3	7.9	7.3	12.6	5.7
SE	4.1	59.5	20.0	.1	.0	83.8	12.9	83.2	85.3	81.0	84.8
S	1.2	4.8	1.4	.0	.0	7.3	11.4	6.9	7.0	6.2	8.9
SW	*	.1	.0	.0	.0	.1	10.2	.0	.0	.1	.1
W	.1	.1	.1	.0	.0	.2	6.3	.4	.2	.0	.2
NW	*	.0	.0	.0	.0	*	5.0	.0	.0	.0	.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1					.1	.0	.8	.0	.0	.0
TOT OBS	99	1022	336	1	0	1458	12.7	244	431	348	435
TOT PCT	6.8	70.1	23.0	.1	.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)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.8	.9	34.0	60.7	3.7	.0	.0	12.6	100.0	244
06009	.0	1.6	31.3	64.7	7.3	.0	.0	12.6	100.0	431
12015	.0	.0	37.4	61.5	1.1	.0	.0	12.3	100.0	348
18021	.0	.0	30.8	67.1	2.1	.0	.0	13.1	100.0	425
TOT	2	9	482	933	32	0	0	12.7		1458
PCT	.1	.6	33.1	64.0	2.2	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.6	.0	4.2	
E	5.4	6.8	3.0	2.0	3.6	
SE	26.0	21.0	17.3	9.3	3.9	
S	2.5	2.2	1.7	.7	3.5	
SW	.1	.0	.0	.0	2.0	
W	.3	.4	.4	.0	3.8	
NW	.0	.1	.0	.0	4.0	
VAR	.0	.0	.0	.0	.0	
CALM	.4	.4	.0	.0	2.0	
TOT OBS	79	69	52	27	227	3.8
TOT PCT	34.8	30.4	22.9	11.9	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+	
	149	299	599	999	1999	3499	4999	6499	7999		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
NE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.9
E	.0	.0	.3	2.4	.8	.0	.3	.0	.0	.0	13.3
SE	.0	.0	1.9	3.0	9.3	3.5	.6	.4	.0	.0	55.0
S	.0	.0	.0	.7	1.0	.0	.0	.0	.0	.0	4.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
TOT OBS	0	0	5	14	25	8	2	1	0	0	172
TOT PCT	.0	.0	2.2	6.2	11.0	3.5	.9	.4	.0	.0	75.8

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.4	.4	.4	.4	.4	.4	.4	.4
>3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
>2000	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
>1000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
>600	21.6	22.0	22.0	22.0	22.0	22.0	22.0	22.0
>300	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2
>150	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2
>0	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2
TOTAL	54	55	55	55	55	55	55	55

TOTAL NUMBER OF OBS: 227

PCT FREQ NH <5/8: 75.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	6.7	18.9	18.5	18.9	12.2	4.6	6.3	5.0	8.8	.0	238

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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	.4	1.2
	TOT %	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	.4	1.2
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.1	.3	.4	.0	.0	.0	.0	.0	.4	.4	1.2
	TOT %	.0	.1	.3	.4	.0	.0	.0	.0	.0	.4	.4	1.2
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.3	.8	16.3	73.2	5.5	.2	.7	.1	.0	.4	.4	97.6
	TOT %	.3	.8	16.3	73.2	5.5	.2	.7	.1	.0	.4	.4	97.6
TOT OBS													248
TOT PCT		.3	1.3	16.6	74.0	5.5	.2	1.1	.1	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	.4	1.2
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	.4	1.2
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
	4-10	.0	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.7
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.1	.3	.4	.0	.0	.0	.0	.0	.4	.4	1.1
10+	0-3	.0	.4	.4	.4	.0	.0	.0	.0	.0	.4	.4	1.5
	4-10	.3	.4	8.0	34.6	3.1	.2	.6	.1	.0	.0	.4	47.3
	11-21	.0	.0	6.9	38.4	2.7	.0	.0	.0	.0	.0	.4	48.0
	22+	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1
	TOT %	.3	.7	15.2	74.5	5.9	.2	.6	.1	.0	.4	.4	97.8
TOT OBS													273
TOT PCT		.3	1.2	15.5	75.2	5.9	.2	1.0	.1	.0	.7	100.0	

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00Z03	.0	.0	.0	8.3	8.3	1.7	.0	.0	.0	.0	18.3	81.7	60
06Z09	.0	.0	7.0	7.0	19.3	3.5	1.8	.0	.0	.0	38.6	61.4	57
12Z15	.0	.0	1.4	5.7	10.0	5.7	1.4	1.4	.0	.0	25.7	74.3	70
18Z21	.0	.0	.0	2.1	4.3	2.1	.0	.0	.0	.0	8.5	91.5	47
TOT	0	0	5	14	25	8	2	1	0	0	55	179	234
PCT	.0	.0	2.1	6.0	10.7	3.4	.9	.4	.0	.0	23.5	76.5	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00Z03	.0	.0	.0	1.5	1.5	97.1	68
06Z09	.0	.0	.0	1.4	1.4	97.2	71
12Z15	.0	.0	.0	.0	.0	100.0	78
18Z21	.0	.0	.0	1.7	1.7	96.6	59
TOT	0	0	0	3	3	270	276
PCT	.0	.0	.0	1.1	1.1	97.8	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<5000	<1	<5	AND5+	AND 5+	OBS
00Z03	.0	.0	8.5	10.2	81.4	59
06Z09	.0	7.1	16.1	25.0	58.9	56
12Z15	.0	1.5	7.4	19.1	73.5	68
18Z21	.0	.0	2.3	6.8	90.9	44
TOT	0	5	20	36	171	227
PCT	.0	2.2	8.8	15.9	75.3	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	PCT
									OBS	FREQ
85/89	.0	.0	.0	.0	1.7	1.3	.0	.0	7	3.0
80/84	.0	.0	.0	.4	3.4	8.2	3.4	.9	38	16.4
75/79	.0	.0	.0	.0	3.4	38.4	25.9	4.7	168	72.4
70/74	.0	.0	.0	.0	.4	.4	4.3	3.0	19	8.2
TOTAL	0	0	0	1	21	112	78	20	232	100.0
PCT	.0	.0	.0	.4	9.1	48.3	33.6	8.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.1	1.2	.8	.0	.0	.0	.0	.0
.3	.5	3.1	10.5	1.4	.0	.4	.1	.0	.0
.0	.9	11.1	55.3	3.8	.2	.8	.0	.0	.4
.0	.0	.9	6.6	.3	.0	.0	.0	.0	.4
.3	1.4	16.2	73.5	6.3	.2	1.2	.1	.0	.9

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00Z03	82	81	79	76	74	70	70	76.2	229
06Z09	84	82	80	76	73	71	70	76.3	410
12Z15	89	87	84	79	76	73	73	79.6	340
18Z21	89	85	82	78	74	72	70	77.9	415
TOT	89	85	82	77	74	72	70	77.6	1394

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00Z03	.0	.0	.0	45.0	43.3	11.7	81	60
06Z09	.0	.0	5.1	44.1	37.3	13.6	81	59
12Z15	.0	1.5	19.4	52.2	23.9	3.0	75	67
18Z21	.0	.0	10.6	53.2	29.8	6.4	77	47
TOT	0	1	21	113	78	20	79	233

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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	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	#0 FDG
11/13	.0	.0	.0	.0	.9	.4	3	.0	1.3
9/10	.0	.0	.0	.0	.4	.0	1	.0	.4
7/8	.0	.0	.0	.9	.9	.0	4	.0	1.8
6	.0	.0	.0	.9	.4	.0	3	.0	1.3
5	.0	.0	.4	.9	.0	.0	3	.0	1.3
4	.0	.0	.9	2.2	.0	.0	7	.0	3.1
3	.0	.0	4.4	2.2	.0	.0	15	.0	6.6
2	.0	.4	3.5	2.2	.0	.0	14	.0	6.2
1	.0	.4	9.3	.9	.0	.0	24	.0	10.6
0	.0	3.1	9.7	.4	.0	.0	30	.0	13.3
-1	.0	6.2	10.6	.4	.0	.0	39	.0	17.3
-2	.0	5.8	9.3	.4	.0	.0	35	.0	15.5
-3	.0	4.9	2.7	.0	.0	.0	17	.0	7.5
-4	.0	3.1	2.2	.0	.0	.0	12	.0	5.3
-5	.0	3.5	.4	.0	.0	.0	9	.0	4.0
-6	.0	2.2	.4	.0	.0	.0	6	.0	2.7
-7/-8	.4	1.3	.0	.0	.0	.0	4	.0	1.8
TOTAL	1		122		6		226		0
		70		26		1	100.0		100.0
PCT	.4	31.0	54.0	11.5	2.7	.4			

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.9	5.9	.9	.0	.0	.0	7.6	.9	22.0	2.8	.0	.0	.0	25.7
3-4	.0	3.7	4.3	.0	.0	.0	8.0	.0	14.6	25.2	.0	.0	.0	39.8
5-6	.0	.0	2.2	.0	.0	.0	2.2	.0	.9	6.5	.0	.0	.0	7.4
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	1.7	.0	.0	1.7
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	9.6	8.3	.0	.0	.0	18.7	.9	37.4	34.6	1.7	.0	.0	74.6

PERIOD: (OVER-ALL) 1963-1976

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TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.7	1.5	.0	.0	2.2	.0	.2	.0	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	2.4	.0	.0	.0	3.0	.0	.2	.0	.0	.0	.0	.0	.2

HGT	W						PCT	NW						TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	1.7	32.2	5.2	.0	.0	.0	39.1	
3-4	.0	18.3	29.6	.0	.0	.0	47.8	
5-6	.0	.9	9.6	.0	.0	.0	10.4	
7	.0	.0	.9	1.7	.0	.0	2.6	
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	1.7	51.3	45.2	1.7	.0	.0	100.0	115

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

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

PERIOD (SEC)	<6	6-7	7-9	9-11	11-13	13-16	16-19	19-22	22-25	25-28	28-32	32-40	40-48	48-60	60-70	70-86	87+	TOTAL	MEAN HGT
<6	1.5	12.9	32.7	12.9	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	127	3
6-7	.0	.5	6.4	9.4	2.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	5
7-9	.0	1.0	3.0	.5	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
9-11	.0	.5	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
11-13	.0	.0	2.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
>13	.0	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
INDFT	.5	1.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
TOTAL	4	32	96	48	18	2	1	1	0	0	0	0	0	0	0	0	0	202	4
PCT	2.0	15.8	47.5	23.8	8.9	1.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1853-1976

APEA 0023 ASCENSION
7.25 14.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	97.7
SE	.0	.8	.0	.0	.0	.0	.0	.8	1.1	.0	.0	.0	.0	.0	98.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	.0	.6	.0	.0	.0	.0	.0	.6	1.2	.0	.0	.0	.0	.0	98.2
TOT OBS:	336														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	2.8	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	97.2
06009	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	97.8
12015	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	98.8
18021	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	98.9
TOT PCT	.0	.6	.0	.0	.0	.0	.0	.6	1.2	.0	.0	.0	.0	.0	98.2
TOT OBS:	338														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	*	.1	.0	.0	.1	16.0	.0	.0	.3	.0	.1	.0	.3	.0
NE	.0	.1	.1	*	.0	.0	.2	13.6	.0	.0	.1	.6	.3	.0	.0	.0
E	.2	5.0	9.7	.1	.0	.0	11.0	11.0	12.3	50.0	12.8	11.3	10.4	.0	10.5	8.6
SE	.9	32.5	44.5	1.5	.0	.0	79.4	12.0	78.6	50.0	76.0	77.7	81.4	100.0	79.8	82.2
S	.4	3.4	4.7	*	.0	.0	8.6	11.5	8.7	.0	8.9	9.8	7.1	.0	8.8	9.3
SW	.0	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.0	.0	.3	.0	.0	.0
W	.0	.1	.0	.0	.0	.0	.1	10.0	.0	.0	.3	.0	.0	.0	.0	.0
NW	.0	.2	*	.0	.0	.0	.2	10.0	.0	.0	.1	.6	.4	.0	.1	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.4	.0	1.5	.0	.0	.0	.4	.0
TOT OBS	28	607	806	25	0	0	1466	11.8	232	2	267	164	342	2	230	227
TOT PCT	1.9	41.4	53.0	1.7	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	
N	.0	.1	.1	.0	.0	.1	16.0	.0	.0	.2	.1	.1	.2
NE	.0	.1	.1	.0	.0	.2	13.6	.0	.0	.3	.3	.3	.3
E	1.8	8.2	1.1	.0	.0	11.0	11.0	12.6	12.2	10.3	9.6	9.6	
SE	7.3	57.1	14.9	.1	.0	79.4	12.0	78.3	76.7	81.5	81.0	81.0	
S	1.0	6.1	1.5	.0	.0	8.6	11.5	8.7	9.2	7.0	9.0	9.0	
SW	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.0	.3	.0	
W	.0	.1	.0	.0	.0	.1	10.0	.0	.0	.2	.0	.0	
NW	.0	.2	.0	.0	.0	.2	10.0	.0	.0	.3	.4	.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4					.4	.0	.4	.9	.0	.0	.2	
TOT OBS	154	1053	257	2	0	1466	11.8	234	431	344	457	457	
TOT PCT	10.5	71.8	17.5	.1	.0	100.0		100.0	100.0	100.0	100.0	100.0	

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PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1859-1976

AREA 0023 ASCENSION
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
0000Z	.4	2.6	39.7	55.1	2.1	.0	.0	11.7	100.0	234
0600Z	.9	2.8	43.6	50.6	2.1	.0	.0	11.4	100.0	431
1201Z	.0	.3	41.0	57.0	1.7	.0	.0	12.0	100.0	344
1802Z	.2	.7	40.5	57.5	1.1	.0	.0	12.0	100.0	457
TOT	.6	2.2	60.7	80.6	2.5	.0	.0	11.8		1466
PCT	.4	1.5	41.4	55.0	1.7	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	.1	.0	.0	.0	1.0	1.0
E	9.5	6.9	2.6	.8	2.8	2.8
SE	36.5	19.7	14.8	4.4	3.1	3.1
S	.8	1.1	.3	.0	3.1	3.1
SW	.0	.0	.0	.0	.0	.0
W	.3	.0	.0	.0	1.0	1.0
NW	.1	.0	.0	.0	2.6	2.6
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.9	.0	.0	3.5	3.5
TOT OBS	110	68	41	12	231	3.0
TOT PCT	47.6	29.4	17.7	5.2	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
.0	.0	.0	.3	.9	.0	.0	.0	.0	.0	18.4	
.0	.0	.9	3.1	5.7	3.5	.9	.0	.2	.0	61.1	
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.8	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.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	.2	.8	1.6	.8	.2	.0	.1	.0	19.6	231
.0	.0	.9	3.5	6.9	3.5	.9	.0	.4	.0	84.0	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.4	.4	.4	.4	.4	.4	.4	.4
>5000	.4	.4	.4	.4	.4	.4	.4	.4
>3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
>2000	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8
>1000	10.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7
>400	13.9	15.2	15.2	15.2	15.2	15.2	15.2	15.2
>300	14.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0
>150	14.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0
>0	14.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0
TOTAL	34	37	37	37	37	37	37	37

TOTAL NUMBER OF OBS: 231

PCT FREQ NH <5/8: 84.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
10.3	18.5	27.2	18.5	9.9	3.7	6.2	2.1	3.7	.0	243

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

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APEA 0023 ASCENSION
7.25 14.1W

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.1	4.8	17.8	4.8	.0	.0	.0	.0	1.5	29.0	.0
	TOT %	.0	.1	4.8	17.8	4.8	.0	.0	.0	.0	1.5	29.0	.0
10+	PCP	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6
	NO PCP	.6	.1	14.4	52.0	1.5	.3	.2	.9	.0	.3	70.4	.0
	TOT %	.6	.1	14.4	52.6	1.5	.3	.2	.9	.0	.3	71.0	.0
TOT OBS													334
TOT PCT		.6	.2	19.2	70.4	6.3	.3	.2	.9	.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
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.7	2.0	1.3	.0	.0	.0	.0	1.4	5.4	.0
	4-10	.0	.1	2.7	5.2	2.1	.0	.0	.0	.0	.0	14.2	.0
	11-21	.0	.0	1.1	5.7	1.1	.0	.0	.0	.0	.0	8.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.1	4.5	16.9	4.5	.0	.0	.0	.0	1.4	27.6	.0
10+	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	.6	.0
	4-10	.2	.0	9.2	29.2	.3	.3	.2	.7	.0	.0	40.1	.0
	11-21	.1	.0	4.8	25.1	1.1	.0	.0	.1	.0	.0	31.3	.0
	22+	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
	TOT %	.6	.1	13.9	54.5	1.4	.3	.2	.9	.0	.3	72.2	.0
TOT OBS													352
TOT PCT		.6	.2	18.5	71.7	6.0	.3	.2	.9	.0	1.7	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

AREA 0023 ASCENSION
7.23 14.14

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	<5/8 HGT	TOTAL OBS
0000	149	299	599	999	1999	3499	4999	6499	7999		14.0	86.0	57
0600			3.4	1.7	5.2	1.7	1.7				13.8	86.2	58
1200				1.6	10.9	4.7	1.6				18.8	81.3	64
1800				3.1	4.7	6.3		1.6			15.6	84.4	64
TOT	0	0	2	8	16	9	2	0	1	0	38	205	243
PCT	.0	.0	.8	3.3	6.6	3.7	.8	.0	.4	.0	15.6	84.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/8	1/8<1	1<2	2<5	5<10	10+	TOTAL
0000	.0	.0	.0	.0	23.3	76.7	73
0600	.0	.0	.0	.0	33.0	67.0	91
1200	.0	.0	.0	.0	17.4	82.6	86
1800	.0	.0	.0	1.0	33.7	65.4	104
TOT	0	0	0	1	97	256	354
PCT	.0	.0	.0	.3	27.4	72.3	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
0000	.0	.0	7.5	5.7	86.8	53
0600	.0	3.6	5.5	9.1	85.5	55
1200	.0	.0	1.6	17.5	81.0	63
1800	.0	.0	5.0	13.3	81.7	60
TOT	0	2	11	27	193	231
PCT	.0	.9	4.8	11.7	83.5	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	PCT
95/99	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
90/94	.0	.0	.0	1.0	1.0	.0	.0	.0	6	2.1
85/89	.0	.0	.0	.0	1.7	2.1	.7	.0	13	4.5
80/84	.0	.0	.0	.7	10.3	18.2	3.8	1.7	101	34.6
75/79	.0	.0	.0	.0	1.4	38.4	15.1	2.7	168	57.5
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	3	1.0
TOTAL	0	0	0	5	43	171	57	16	292	100.0
PCT	.0	.0	.0	1.7	14.7	58.6	19.5	5.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	1.7	.0	.3	.0	.0	.0	.0
.0	.0	.6	3.9	.0	.0	.0	.0	.0	.0
.3	.0	5.5	25.2	2.6	.0	.3	.5	.0	.3
.3	.3	14.0	37.8	3.6	.0	.0	.0	.0	1.7
.0	.0	.0	.9	.2	.0	.0	.0	.0	.0
.5	.3	20.4	69.3	6.3	.3	.3	.5	.0	2.1

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
0000	83	82	81	78	76	74	74	78.0	223
0600	84	82	82	78	75	74	73	78.2	409
1200	95	93	86	81	78	73	71	81.5	334
1800	92	86	83	80	76	76	75	79.6	437
TOT	95	87	84	79	76	75	71	79.4	1403

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
0000	.0	1.5	1.5	67.2	22.4	7.5	78	67		
0600	.0	.0	3.9	55.3	31.6	9.2	79	76		
1200	.0	5.8	36.2	44.9	11.6	1.4	72	69		
1800	.0	.0	18.3	65.9	12.2	3.7	75	82		
TOT	0	5	44	172	57	16	76	294		

FEBRUARY

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

AREA 0023 ASCENSION
7.25 14.1W

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	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	WD FOG
17/19	.0	.0	.0	.0	.0	.4	1	.0	.4
14/16	.0	.0	.0	.0	.0	1.3	3	.0	1.3
11/13	.0	.0	.0	.9	.4	.0	3	.0	1.3
9/10	.0	.4	.0	.0	.9	.0	3	.0	1.3
7/8	.0	.0	.9	1.3	.0	.0	5	.0	2.2
6	.0	.0	.9	1.3	.0	.0	5	.0	2.2
5	.0	.4	1.3	.9	.0	.0	6	.0	2.6
4	.0	.4	2.6	.0	.0	.0	7	.0	3.0
3	.0	1.3	.9	.9	.0	.0	7	.0	3.0
2	.4	3.0	3.0	.9	.0	.0	17	.0	7.3
1	.4	4.3	4.3	.0	.0	.0	21	.0	9.1
0	.9	11.2	4.7	.0	.0	.0	39	.0	16.8
-1	.9	17.7	2.2	.0	.0	.0	48	.0	20.7
-2	1.3	10.3	.4	.0	.0	.0	28	.0	12.1
-3	1.3	5.2	.4	.0	.0	.0	16	.0	6.9
-4	3.0	2.6	.9	.0	.0	.0	15	.0	6.5
-5	.0	1.3	.0	.0	.0	.0	3	.0	1.3
-6	.4	.9	.0	.0	.0	.0	3	.0	1.3
-7/-8	.9	.0	.0	.0	.0	.0	2	.0	.9
TOTAL	22	137	52	14	3	4	232	0	232
PCT	9.5	59.1	22.4	6.0	1.3	1.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.2	.0	.0	.0	.2
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.7	.0	.7	.0	.0	1.4	.0	.0	.0	.2	.0	.0	.0	.2

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.9	.0	.0	.0	.0	.9	.0	2.7	.0	.0	.0	.0	.0	2.7
1-2	.0	7.2	2.9	.0	.0	.0	10.1	.0	13.5	13.3	.0	.0	.0	.0	26.8
3-4	.0	4.3	2.7	.0	.0	.0	7.0	.0	11.9	22.1	.0	.0	.0	.0	34.0
5-6	.0	.9	1.6	.0	.0	.0	2.5	.0	.9	5.0	.0	.0	.0	.0	5.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.3	7.2	.0	.0	.0	20.5	.0	29.1	43.9	.0	.0	.0	.0	73.0

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

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.7	.0	.0	.0	.7	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.9	2.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	N							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	98.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	4.5	.0	.0	.0	.0	6.3	
1-2	.0	22.3	16.1	.0	.0	.0	38.4	
3-4	.0	16.1	25.9	.9	.0	.0	42.9	
5-6	.0	1.8	7.1	.0	.0	.0	8.9	
7	.0	.0	2.7	.0	.0	.0	2.7	
8-9	.0	.0	.9	.0	.0	.0	.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	1.8	44.6	52.7	.9	.0	.0	100.0	112

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	17.2	23.0	6.4	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	108	3
6-7	.0	.0	10.3	9.8	2.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	4
8-9	.5	2.0	1.5	4.4	.5	.0	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	5
10-11	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
12-13	.0	.0	2.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
>13	.0	.0	.0	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDET	.0	.0	3.9	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
TOTAL	8	39	85	30	18	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	204	4
PCT	3.9	19.1	41.7	24.5	8.8	.0	1.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1853-1976

MARCH

AREA 0023 ASCENSION
7.25 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	3.8	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	96.2
SE	.8	.9	.4	.0	.0	.0	.0	2.0	1.1	.0	.0	.0	.0	.0	96.9
S	.0	4.7	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	95.3
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	66.7
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	.0	.0	.0	.0	.0	100.0
TOT PCT	.6	.9	.9	.0	.0	.0	.0	2.4	.9	.0	.0	.0	.3	.0	96.5
TOT OBS:	340														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	1.3	1.3	.0	.0	.0	.0	2.6	1.3	.0	.0	.0	.0	.0	96.2
06009	1.2	2.4	1.2	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	95.3
12015	1.1	.0	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	.0	.0	.0	96.8
18021	.0	.0	1.2	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	.0	97.6
TOT PCT	.6	.9	.9	.0	.0	.0	.0	2.3	.9	.0	.0	.0	.3	.0	96.5
TOT OBS:	341														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.1	.0	*	.0	.0	.0		1.0	8.0	.0	.0	.4	.3	.0	.0	.0	.0
NE	.0	.4	.6	.0	.0	.0		1.0	12.0	1.2	.0	.7	1.2	.8	16.7	.2	1.7
E	.3	6.0	7.8	.1	.0	.0		14.1	12.0	16.8	37.5	11.9	12.4	15.1	.0	14.0	13.9
SE	1.5	29.0	46.4	1.8	.0	.0		78.7	12.4	76.4	62.5	81.3	78.1	77.6	83.3	80.6	78.2
S	.3	1.9	2.9	.0	.0	.0		5.1	11.5	4.5	.0	4.7	7.3	5.2	.0	3.8	5.7
SW	.3	.1	*	.0	.0	.0		.4	3.9	.0	.0	.4	.6	.7	.0	.5	.5
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.2	.0	.1	.0	.0		.3	14.0	.4	.0	.4	.0	.3	.0	1.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3							.3	.0	.8	.0	.4	.0	.3	.0	.0	.0
TOT OBS	40	557	856	30	0	0	1483		12.2	259	2	284	161	356	6	206	209
TOT PCT	2.7	37.6	57.7	2.0	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	.1	.0	*	.0	.0		.1	8.0	.0	.3	.0	.0
NE	.0	.9	.1	.0	.0		1.0	12.0	1.1	.9	1.1	1.0
E	1.4	9.8	2.8	.1	.0		14.1	12.0	17.0	12.1	14.8	13.9
SE	7.9	52.3	18.2	.3	.0		78.7	12.4	76.2	80.2	77.7	79.4
S	.6	3.7	.8	.0	.0		5.1	11.5	4.5	5.6	5.1	4.8
SW	.3	.1	.0	.0	.0		.4	3.9	.0	.4	.7	.5
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.1	.1	.1	.0	.0		.3	14.0	.4	.2	.3	.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.3						.3	.0	.8	.2	.3	.0
TOT OBS	159	991	328	5	0	1483		12.2	261	445	362	415
TOT PCT	10.7	66.8	22.1	.3	.0	100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GPH)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.8	1.9	36.4	59.0	1.9	.0	.0	12.3	100.0	261
06009	.2	3.4	36.6	58.2	1.6	.0	.0	11.9	100.0	445
12015	.3	2.5	38.7	55.8	2.8	.0	.0	12.3	100.0	362
18021	.0	1.7	38.3	58.1	1.9	.0	.0	12.4	100.0	415
TOT	.4	3.6	55.7	56.6	3.0	0	0	12.2		1483
PCT	.3	2.4	37.6	57.7	2.0	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0	.0	.0
E	5.4	5.2	5.0	1.2	3.9	
SE	30.1	28.0	15.9	2.2	3.2	
S	1.4	1.6	1.8	.0	4.1	
SW	.0	.3	.0	.0	3.0	
W	.0	.0	.0	.0	.0	.0
NW	.3	.0	.0	.3	4.0	
CALM	.7	.0	.0	.0	.0	.0
TOT OBS	111	102	66	11	290	3.3
TOT PCT	38.3	35.2	22.8	3.8	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.3	1.1	1.5	1.3	.0	.0	.0	.0	.3	12.3
.0	.0	.3	3.0	7.3	3.5	.0	.0	.0	.0	.1	62.0
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	4.3
.0	.0	.0	.0	.0	.0	.0	.0	.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	.7
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
.0	.0	2	12	27	14	0	0	0	0	1	234
.0	.0	.7	4.1	9.3	4.8	.0	.0	.0	.0	.3	80.7
											100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.3	.3	.3	.3	.3	.3	.3	.3
>5000	.3	.3	.3	.3	.3	.3	.3	.3
>3500	.3	.3	.3	.3	.3	.3	.3	.3
>2000	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
>1000	14.1	14.5	14.5	14.5	14.5	14.5	14.5	14.5
>600	17.9	18.3	18.3	18.3	18.3	18.3	18.3	18.3
>300	18.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
>150	18.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
>0	18.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
TOTAL	53	53	53	53	53	53	53	53

TOTAL NUMBER OF OBS: 290

PCT FREQ NH <5/8: 81.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.3	14.6	25.9	23.6	10.6	6.6	4.3	5.3	2.7	.0	301

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.9
	TOT %	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.2
5<10	PCP	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.9
	NO PCP	.0	.0	.7	5.3	.4	.0	.0	.3	.0	.0	.0	6.8
	TOT %	.0	.0	1.0	5.9	.4	.0	.0	.3	.0	.0	.0	7.7
10+	PCP	.0	.0	.3	.7	.0	.0	.0	.0	.0	.0	.0	1.2
	NO PCP	.3	.3	13.8	70.1	4.1	.3	.0	.6	.0	.0	.6	90.0
	TOT %	.3	.3	14.1	70.7	4.3	.3	.0	.6	.0	.0	.6	91.2
TOT OBS													339
TOT PCT		.3	.6	15.1	77.5	4.7	.3	.0	.9	.0	.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	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	1.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	1.1
5<10	0-3	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6
	4-10	.0	.0	.4	2.8	.4	.0	.0	.3	.0	.0	.0	3.9
	11-21	.0	.0	.6	1.7	.0	.0	.0	.0	.0	.0	.0	2.2
	22+	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6
	TOT %	.0	.0	1.0	5.6	.4	.0	.0	.3	.0	.0	.0	7.3
10+	0-3	.3	.0	.5	1.3	.2	.0	.0	.0	.0	.0	.6	2.8
	4-10	.0	.0	7.2	25.4	1.7	.3	.0	.6	.0	.0	.6	15.1
	11-21	.0	.3	5.8	44.3	2.2	.0	.0	.0	.0	.0	.6	52.5
	22+	.0	.0	.2	.9	.0	.0	.0	.0	.0	.0	.0	1.1
	TOT %	.3	.3	13.7	71.8	4.1	.3	.0	.6	.0	.0	.6	91.6
TOT OBS													356
TOT PCT		.3	.6	14.7	78.3	4.5	.3	.0	.8	.0	.6	100.0	

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	1.4	1.4	9.9	2.8	.0	.0	.0	.0	15.5	84.5	71
06009	.0	.0	1.4	5.5	11.0	8.2	.0	.0	.0	.0	26.0	74.0	73
12015	.0	.0	.0	3.6	10.7	3.6	.0	.0	.0	.0	17.9	82.1	84
18021	.0	.0	.0	5.6	4.2	4.2	.0	.0	.0	1.4	15.3	84.7	72
TOT	0	0	2	12	27	14	0	0	0	1	56	244	300
PCT	.0	.0	.7	4.0	9.0	4.7	.0	.0	.0	.3	18.7	81.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	.0	.0	.0	.0	3.8	96.3	80
06009	.0	.0	.0	1.1	7.5	91.4	93
12015	.0	.0	.0	1.0	8.3	90.6	96
18021	.0	.0	.0	2.3	9.1	88.6	88
TOT	0	0	0	4	26	327	357
PCT	.0	.0	.0	1.1	7.3	91.6	100.0

TABLE 12

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

HR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	1.4	2.9	13.0	84.1	69
06009	.0	1.4	6.8	19.2	74.0	73
12015	.0	.0	2.5	15.2	82.3	79
18021	.0	.0	5.8	10.1	84.1	69
TOT	0	2	13	42	235	290
PCT	.0	.7	4.5	14.5	81.0	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 DBS	PCT FREQ
100/104	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
90/94	.0	.0	.0	.7	.7	.3	.0	.0	5	1.7
85/89	.0	.0	.0	.0	3.7	2.7	1.7	.0	24	8.0
80/84	.0	.0	.0	.3	6.3	28.2	20.6	4.7	181	60.1
75/79	.0	.0	.0	.0	.3	7.3	16.6	4.7	87	28.9
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	3	1.0
TOTAL	0	0	0	4	33	116	117	31	301	100.0
PCT	.0	.0	.0	1.3	11.0	38.5	38.9	10.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
100/104	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.2	1.2	.2	.0	.0	.0	.0	.0
85/89	.0	.0	.7	7.0	.2	.0	.0	.0	.0	.0
80/84	.0	.3	8.0	47.4	3.4	.3	.0	.7	.0	.0
75/79	.3	.7	6.2	20.4	.6	.0	.0	.0	.0	.7
70/74	.0	.0	.2	.4	.0	.0	.0	.3	.0	.0
TOTAL	.3	1.0	15.8	76.4	4.5	.3	.0	1.0	.0	.7

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	86	83	82	79	76	74	72	79.1	241
06009	90	85	82	79	76	73	73	79.3	422
12015	100	90	87	82	79	77	77	82.4	352
18021	92	88	85	80	78	77	76	80.7	393
TOT	100	88	85	80	77	75	72	80.4	1408

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	4.2	33.3	47.2	15.3	82	72		
06009	.0	.0	.0	37.7	50.6	11.7	82	77		
12015	.0	4.9	17.1	41.5	28.0	8.5	76	82		
18021	.0	.0	22.5	42.3	29.6	5.6	77	71		
TOT	0	4	33	117	117	31	79	302		

MARCH

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

APEA 0023 ASCENSION
7.25 14.2W

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	69 72	73 76	77 80	81 84	85 88	89 92	>92	TCT	N FOG	#D FOG
23/25	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
14/16	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
11/13	.0	.0	.0	.0	.0	.3	.3	2	.0	.6
9/10	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.0	.0	.3	1.0	.6	.0	6	.0	1.9
6	.0	.0	.0	.3	1.0	.0	.0	4	.0	1.3
5	.0	.0	.0	.6	1.0	.0	.0	5	.0	1.6
4	.0	.0	.0	1.0	1.6	.0	.0	8	.0	2.5
3	.0	.0	.0	2.2	1.9	.0	.0	13	.0	4.1
2	.0	.0	.3	4.1	1.0	.0	.0	17	.0	5.4
1	.0	.0	1.6	7.6	.6	.0	.0	31	.0	9.8
0	.0	.0	5.7	9.8	.0	.0	.0	49	.0	15.6
-1	.0	.6	9.8	6.0	.6	.0	.0	54	.0	17.1
-2	.0	.0	11.4	3.5	.0	.0	.0	47	.0	14.9
-3	.0	.3	12.7	1.6	.0	.0	.0	46	.0	14.6
-4	.0	.0	3.2	1.0	.0	.0	.0	13	.0	4.1
-5	.0	.0	3.2	.0	.0	.0	.0	10	.0	3.2
-6	.0	.3	.0	.0	.0	.0	.0	1	.0	.3
-7/-8	.3	.6	.6	.0	.0	.0	.0	5	.0	1.6
-9/-10	.0	.3	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	1	7	153	120	8.6	1.6	.6	315	.0	315
PCT	.3	2.2	48.6	38.1	8.6	1.6	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.5	.0	.0	.0	.0	.5	1.4	2.2	.0	.0	.0	.0	3.5
1-2	.7	3.9	2.2	.0	.0	.0	6.8	.0	10.5	5.2	.0	.0	.0	15.7
3-4	.0	3.9	5.2	.0	.0	.0	9.1	.0	6.3	24.5	.0	.0	.0	30.7
5-6	.0	1.0	2.0	.5	.0	.0	3.5	.0	1.7	16.6	.8	.0	.0	19.1
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	2.0	.0	.0	.0	2.0
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	2.0	.0	.0	.0	2.0
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	.7	9.3	10.1	.5	.0	.0	20.6	1.4	20.6	50.3	.8	.0	.0	73.1

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	1.4	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0
7	.0	.0	1.4	.0	.0	.0	1.4	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	3.7	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	
5-6	.0	.0	.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	.0	.0	
8-9	.0	.0	.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	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4 99.3	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.7	2.7	.0	.0	.0	.0	5.4	
1-2	.7	15.4	8.7	.0	.0	.0	24.8	
3-4	.0	10.7	29.5	.0	.0	.0	40.3	
5-6	.0	2.7	19.5	1.3	.0	.0	23.5	
7	.0	.0	4.0	.0	.0	.0	4.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	2.0	.0	.0	.0	2.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	31.5	63.8	1.3	.0	.0	100.0	149

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	8.4	20.2	10.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	3	
6-7	.0	2.5	13.0	13.9	5.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	4
8-9	.0	.4	4.2	3.8	2.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	5
10-11	.0	.4	.8	.8	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
12-13	.0	.0	.8	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
>13	.0	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
INDET	.4	.8	.8	.8	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
TOTAL	5	30	95	79	23	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	238	4	
PCT	2.1	12.6	39.9	33.2	9.7	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

APRIL

AREA 0023 ASCENSION
7.35 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD 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	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	33.3
E	.0	1.5	1.2	.0	.0	.0	.0	2.7	4.5	.0	.0	.0	.0	.0	92.9
SE	.0	2.0	.0	.0	.0	.0	.0	2.0	2.9	.0	.0	.0	.0	.0	95.1
S	8.3	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	91.7
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0
TOT PCT	.3	1.8	.3	.0	.0	.0	.0	2.3	3.6	.0	.0	.0	.0	.0	94.1
TOT OBS:	388														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	2.7	1.3	.0	.0	.0	.0	4.0	9.3	.0	.0	.0	.0	.0	86.7
06009	.9	2.6	.0	.0	.0	.0	.0	3.5	2.6	.0	.0	.0	.0	.0	93.9
12015	.0	.8	.0	.0	.0	.0	.0	.8	1.7	.0	.0	.0	.0	.0	97.5
18021	.0	1.2	.0	.0	.0	.0	.0	1.2	2.3	.0	.0	.0	.0	.0	96.5
TOT PCT	.3	1.8	.3	.0	.0	.0	.0	2.3	3.6	.0	.0	.0	.0	.0	94.2
TOT OBS:	394														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.0	.2	.0	.0	.0	.0	.0	.2	7.6	.0	.0	.4	.0	.5	.0	.0	.0
NE	.1	.2	.*	.0	.0	.0	.0	.3	6.2	.9	.0	.2	.3	.3	.0	.3	.2
E	.1	5.2	10.7	.7	.1	.0	.0	16.8	13.4	17.5	33.3	15.7	15.3	16.9	.0	16.8	18.5
SE	.3	25.1	48.8	3.4	.1	.0	.0	77.6	13.2	77.7	66.7	78.6	77.5	76.9	100.0	78.1	77.0
S	.0	1.6	2.7	.3	.0	.0	.0	4.6	13.1	3.8	.0	4.4	6.9	4.9	.0	3.8	4.2
SW	.0	.1	.*	.0	.0	.0	.0	.1	10.3	.0	.0	.0	.0	.4	.0	.0	.0
W	.0	.1	.*	.0	.0	.0	.0	.1	10.3	.0	.0	.0	.0	.1	.0	.5	.0
NW	.0	.1	.1	.0	.0	.0	.0	.1	8.5	.0	.0	.4	.0	.0	.0	.5	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.4	.0	.0	.0	.0	.0
TOT OBS	7	473	908	64	2	0	1454		13.2	228	3	274	178	375	1	186	209
TOT PCT	.5	32.5	62.4	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 DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	06	12	18	
N	.1	.1	.0	.0	.0	.0	.2	7.6	.0	.2	.5	.0
NE	.2	.1	.0	.0	.0	.0	.3	6.2	.9	.2	.3	.3
E	1.3	10.5	4.8	.2	.0	.0	16.8	13.4	17.7	15.3	16.8	17.7
SE	3.6	54.1	19.6	.3	.0	.0	77.6	13.2	77.6	78.2	77.0	77.5
S	.2	3.4	1.0	.1	.0	.0	4.6	13.1	3.8	5.4	4.9	4.0
SW	.0	.1	.0	.0	.0	.0	.1	10.3	.0	.0	.0	.4
W	.0	.1	.0	.0	.0	.0	.1	10.3	.0	.0	.1	.3
NW	.1	.1	.0	.0	.0	.0	.1	8.5	.0	.2	.0	.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0
TOT OBS	81	996	368	9	0	1454		13.2	231	452	376	395
TOT PCT	5.6	68.5	25.3	.6	.0	100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

APRIL

AREA 0023 ASCENSION
7.35 14.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00603	.0	.9	32.9	60.2	6.1	.0	.0	13.1	100.0	231	
06609	.2	.0	34.1	61.7	4.0	.0	.0	12.8	100.0	452	
12615	.0	.0	29.0	66.2	4.5	.3	.0	13.7	100.0	376	
18621	.0	1.0	33.9	61.0	3.8	.3	.0	13.0	100.0	395	
TOT	1	6	473	908	64	2	0	13.2		1454	
PCT	.1	.4	32.5	62.4	4.4	.1	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.7	.4		6.6
E	7.3	9.4	4.5	1.2		3.4
SE	26.7	24.3	17.9	3.1		3.4
S	1.2	.0	.0	.7		4.8
SW	.0	.4	.0	.0		3.0
W	.0	.0	.0	.4		8.0
NW	.0	.4	.0	.0		3.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.0	.0		.0
TOT OBS	99	96	67	17	279	3.5
TOT PCT	35.5	34.4	24.0	6.1	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.7	.4	.0	.0	.0	.0	.0	.0
E	.0	.0	.3	1.0	1.3	2.2	.4	.0	.0	.0	.0	17.2
SE	.0	.0	.4	1.9	4.8	3.3	.9	.0	.0	.0	.0	60.7
S	.0	.4	.0	.0	.4	.2	.2	.0	.0	.0	.0	1.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
TOT OBS	0	1	2	8	21	17	4	0	0	0	0	226
TOT PCT	.0	.4	.7	2.9	7.5	6.1	1.4	.0	.0	.0	.0	81.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
>2000	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1
>1000	12.1	14.9	14.9	14.9	14.9	14.9	14.9	14.9
>600	14.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7
>300	15.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4
>150	15.2	18.8	18.8	18.8	18.8	18.8	18.8	18.8
>0	15.2	18.8	18.8	18.8	18.8	18.8	18.8	18.8
TOTAL	43	53	53	53	53	53	53	53

TOTAL NUMBER OF OBS: 282

PCT FREQ NH <5/8: 81.2

TABLE 7A

PERCENTAGE FREQ OF LDW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.8	18.8	27.0	19.1	12.3	5.1	5.9	3.8	4.8	.0	293

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

APRIL

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7.35 14.2W

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
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.1	.9	.3	.0	.0	.0	.0	.0	.0	1.3
	NO PCP	.3	.3	1.4	3.7	.6	.0	.0	.0	.0	.0	.0	6.2
	TOT %	.3	.3	1.5	4.6	.9	.0	.0	.0	.0	.0	.0	7.5
10+	PCP	.0	.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	1.0
	NO PCP	.3	.5	19.8	67.9	2.2	.3	.3	.3	.0	.0	.0	91.5
	TOT %	.3	.5	20.3	68.5	2.2	.3	.3	.3	.0	.0	.0	92.5
TOT OBS													387
TOT PCT		.5	.8	21.8	73.1	3.1	.3	.3	.3	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.2	.2	.5	.8	.6	.0	.0	.0	.0	.0	.0	2.4
	11-21	.0	.0	.9	2.8	.2	.0	.0	.0	.0	.0	.0	3.9
	22+	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7
	TOT %	.2	.2	1.4	4.3	.9	.0	.0	.0	.0	.0	.0	7.1
10+	0-3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.5	.5
	4-10	.2	.5	8.5	24.0	1.2	.2	.2	.2	.0	.0	.0	35.1
	11-21	.0	.0	10.9	43.8	.9	.0	.0	.0	.0	.0	.0	55.6
	22+	.0	.0	.2	1.5	.0	.0	.0	.0	.0	.0	.0	1.7
	TOT %	.2	.5	19.6	69.5	2.1	.2	.2	.2	.0	.2	.0	92.9
TOT OBS													410
TOT PCT		.5	.7	21.0	73.8	2.9	.2	.2	.2	.0	.2	100.0	

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	6.9	11.1	1.4	.0	.0	.0	.0	19.4	80.6	72
06009	.0	1.3	1.3	2.5	8.8	11.3	.0	.0	.0	.0	25.0	75.0	80
12015	.0	.0	.0	1.1	6.9	5.7	2.3	.0	.0	.0	16.1	83.9	87
18021	.0	.0	1.9	.0	1.9	3.6	3.8	.0	.0	.0	11.5	88.5	92
TOT	0	1	2	8	22	17	4	0	0	0	54	237	291
PCT	.0	.3	.7	2.7	7.6	5.6	1.4	.0	.0	.0	18.6	81.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	8.9	91.1	79
06009	.0	.0	.0	.0	7.4	92.6	122
12015	.0	.0	.0	.0	4.2	95.8	120
18021	.0	.0	.0	.0	8.4	91.6	95
TOT	0	0	0	0	29	387	416
PCT	.0	.0	.0	.0	7.0	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 <50VD	<600 <1	<1000 <3	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	7.1	12.9	80.0	70
06009	.0	2.6	5.1	20.5	74.4	78
12015	.0	.0	1.2	14.3	84.5	84
18021	.0	2.0	2.0	10.0	88.0	90
TOT	0	3	11	42	229	282
PCT	.0	1.1	3.9	14.9	81.2	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
95/99	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
90/94	.0	.0	.0	.3	.6	.3	.0	.0	4	1.1
85/89	.0	.0	.0	.0	.8	2.8	1.1	.0	17	4.7
80/84	.0	.0	.0	.6	9.5	39.9	17.6	2.2	250	69.8
75/79	.0	.0	.0	.0	1.7	8.1	11.7	2.2	85	23.7
70/74	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	0	3	45	184	109	17	358	100.0
PCT	.0	.0	.0	.8	12.6	51.4	30.4	4.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.0	.0	.9	.2	.0	.0	.0	.0	.0
.0	.0	1.7	3.0	.0	.0	.0	.0	.0	.0
.0	.3	13.8	53.4	1.7	.0	.3	.3	.0	.0
.3	.3	5.6	16.2	1.0	.3	.0	.0	.0	.3
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.3	.6	21.0	74.1	2.9	.3	.3	.3	.0	.3

TABLE 15

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

HOUR (GMT)	MAX	99%	95%	50%	3%	1%	MIN	MEAN	TOTAL OBS
00003	83	82	82	80	77	75	72	79.5	224
06009	89	83	82	80	77	74	70	79.6	442
12015	93	90	87	82	79	76	70	82.3	370
18021	99	87	84	81	78	76	71	80.7	390
TOT	99	87	85	80	77	75	70	80.6	1426

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
00003	.0	.0	4.8	57.1	28.6	9.5	79	63		
06009	.0	.0	9.8	45.5	40.2	4.5	79	112		
12015	.0	3.8	21.9	51.4	21.0	1.9	74	105		
18021	.0	.0	12.2	53.7	29.3	4.9	78	82		
TOT	0	4	47	185	109	17	78	362		

APRIL

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

AREA 0023 ASCENSION
7.35 14.24

TABLE 17

PCT FRQ 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	TCT	N FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
14/16	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
9/10	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.0	.3	.3	.6	.6	.0	6	.0	1.9
6	.0	.0	.0	.3	.6	.0	.0	3	.0	.9
5	.0	.0	.6	.0	.9	.0	.0	5	.0	1.5
4	.0	.0	.0	.3	1.9	.0	.0	7	.0	2.2
3	.0	.0	1.5	1.9	.9	.0	.0	14	.0	4.3
2	.0	.0	1.2	4.0	.3	.0	.0	18	.0	5.6
1	.0	.0	2.5	6.2	.0	.0	.0	28	.0	8.6
0	.0	.0	6.5	9.9	.6	.0	.0	55	.0	17.0
-1	.0	.0	10.8	8.6	.0	.0	.0	63	.0	19.4
-2	.0	.0	13.3	3.7	.0	.0	.0	55	.0	17.0
-3	.0	.0	5.6	.6	.0	.0	.0	20	.0	6.2
-4	.0	.0	3.6	1.2	.0	.0	.0	22	.0	6.8
-5	.0	.6	4.0	.0	.0	.0	.0	15	.0	4.6
-6	.0	.0	.9	.0	.0	.0	.0	3	.0	.9
-7/-8	.0	1.5	.0	.0	.0	.0	.0	5	.0	1.5
-9/-10	.3	.0	.0	.0	.0	.0	.0	1	.0	.3
-11/-13	.3	.0	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	2	7	171	120	19	3	2	324	0	324
PCT	.6	2.2	52.8	37.0	5.9	.9	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.6	.0	.0	.0	.0	.6	.8	2.8	.8	.0	.0	.0	.0	4.5
1-2	.0	4.3	5.9	.0	.0	.0	9.8	.0	7.9	8.3	.0	.0	.0	.0	16.3
3-4	.0	2.8	4.7	.0	.0	.0	7.5	.0	6.1	20.5	.0	.0	.0	.0	26.6
5-6	.0	1.4	2.0	.0	.0	.0	3.5	.0	2.6	13.4	.0	.0	.0	.0	16.1
7	.0	.6	2.4	.0	.0	.0	3.0	.0	.2	4.1	1.6	.0	.0	.0	5.9
8-9	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	9.8	15.9	.0	.0	.0	23.6	.8	19.7	49.2	1.6	.0	.0	.0	71.3

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
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	.0	.6	.8	.0	.0	.0	1.4	.0	.8	.0	.0	.0	.0	.8

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8 100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.6	4.8	.8	.0	.0	.0	7.3	
1-2	.0	12.1	14.5	.0	.0	.0	26.6	
3-4	.0	8.9	25.0	.0	.0	.0	33.9	
5-6	.0	4.8	15.3	.0	.0	.0	20.2	
7	.0	.8	6.3	1.6	.0	.0	8.9	
8-9	.0	.0	2.4	.0	.0	.0	2.4	
10-11	.0	.0	.8	.0	.0	.0	.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	31.5	65.3	1.6	.0	.0	100.0	124

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	41-49	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	1.3	6.1	15.7	11.8	4.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92	4
6-7	.0	.0	11.8	15.7	5.7	.9	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	5
8-9	.0	.0	1.3	3.9	4.4	2.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	6
10-11	.0	.9	.4	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
12-13	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	.0	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDET	.4	.4	.9	.4	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
TOTAL	4	17	71	76	41	13	5	1	1	0	0	0	0	0	0	0	0	0	0	0	229	5
PCT	1.7	7.4	31.0	33.2	17.9	5.7	2.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

AREA 0023 ASCENSION
7.95 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	66.7	.0	.0	.0	.0	.0	.0	66.7	.0	66.7	.0	.0	.0	.0	33.3
E	1.8	.9	.0	.0	.0	.0	.0	2.7	1.2	.6	.0	.0	1.2	.0	95.0
SE	.0	1.8	.0	.0	.0	.0	.0	1.8	1.0	.5	.0	.0	.0	.0	96.7
S	.0	6.1	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	93.9
SW	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	100.0
TOT PCT	1.0	1.6	.0	.0	.0	.0	.0	2.6	1.0	.7	.0	.0	.3	.0	95.7
TOT OBS:	305														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	97.0
0600	1.2	2.4	.0	.0	.0	.0	.0	3.7	1.2	1.2	.0	.0	.0	.0	95.1
1200	1.3	2.6	.0	.0	.0	.0	.0	3.9	1.3	.0	.0	.0	1.3	.0	93.6
1800	1.3	1.3	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	97.5
TOT PCT	1.0	1.6	.0	.0	.0	.0	.0	2.6	1.0	.7	.0	.0	.3	.0	95.7
TOT OBS:	305														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	.0	.0	.0	.0	.1	9.6	.0	.0	.0	.0	.4	.0	.0	
NE	.0	.0	.4	.0	.0	.0	.4	16.0	.0	.0	.6	.4	.5	.0	.3	
E	.1	5.5	11.8	1.6	.0	.0	19.1	13.7	20.6	.0	18.8	15.0	21.0	.0	19.6	
SE	.1	18.6	33.3	3.9	.0	.0	76.0	14.0	76.7	100.0	74.8	79.3	74.4	100.0	75.4	
S	.0	1.6	2.5	.0	.0	.0	4.1	12.9	2.7	.0	5.3	5.3	3.4	.0	3.5	
SW	.0	.1	.0	.0	.0	.0	.1	9.0	.0	.0	.0	.0	.0	.0	.6	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.1	.0	.0	.0	.0	.1	4.0	.0	.0	.0	.0	.3	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.5	.0	.0	.0	.6	
TOT OBS	5	315	824	67	0	0	1211	13.9	176	3	215	123	379	2	177	
TOT PCT	.4	26.0	68.0	5.5	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	.0	.1	.0	.0	.0	.1	9.6	.0	.0	.4	.0		
NE	.0	.1	.2	.0	.0	.4	16.0	.0	.5	.5	.2		
E	1.2	11.7	6.1	.0	.0	19.1	13.7	20.3	17.5	20.9	17.9		
SE	3.4	43.8	26.6	.2	.0	76.0	14.0	77.1	76.4	74.5	76.6		
S	.3	2.6	1.3	.0	.0	4.1	12.9	2.7	5.3	3.3	4.7		
SW	.0	.1	.0	.0	.0	.1	9.0	.0	.0	.0	.3		
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
NW	.1	.0	.0	.0	.0	.1	4.0	.0	.0	.3	.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.2	.0	.0	.0	.0	.2	.0	.0	.3	.0	.3		
TOT OBS	62	732	414	3	0	1211	13.9	179	338	381	313		
TOT PCT	5.1	60.4	34.2	.2	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

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7.35 14.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GNT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	22.3	72.1	5.6	.0	.0	14.3	100.0	179
06009	.3	.3	29.3	65.1	5.0	.0	.0	13.5	100.0	338
12015	.0	.5	26.5	67.5	5.5	.0	.0	13.9	100.0	361
18021	.3	.0	24.0	69.6	6.1	.0	.0	14.1	100.0	313
TOT	.2	.3	31.5	82.4	6.7	.0	.0	13.9		1211
PCT	.2	.2	26.0	68.0	5.5	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.1	.2	.0		5.6
E	10.0	11.3	6.7	1.0		3.4
SE	25.1	22.5	15.7	2.7		3.3
S	1.0	1.5	.4	.0		2.7
SW	.0	.0	.4	.0		7.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.4	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.4	.0	.0		2.0
TOT OBS	97	95	64	10	266	3.4
TOT PCT	36.5	35.7	24.1	3.8	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
E	.0	.0	.4	1.1	2.6	1.4	.3	.0	.0	.2	22.9
SE	.0	.0	.0	2.3	5.6	3.5	.8	.0	.0	.0	53.8
S	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2.5
SW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
TOT OBS	0	0	1	9	25	13	3	0	0	1	214
TOT PCT	.0	.0	.4	3.4	9.4	4.9	1.1	.0	.0	.4	80.5

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>OR >5000	.0	.0	.4	.4	.4	.4	.4	.4
>OR >5000	.0	.0	.4	.4	.4	.4	.4	.4
>OR >3500	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5
>OR >2000	5.7	5.7	6.4	6.4	6.4	6.4	6.4	6.4
>OR >1000	14.7	15.1	15.8	15.8	15.8	15.8	15.8	15.8
>OR >600	18.1	18.5	19.2	19.2	19.2	19.2	19.2	19.2
>OR >300	18.5	18.9	19.6	19.6	19.6	19.6	19.6	19.6
>OR >150	18.5	18.9	19.6	19.6	19.6	19.6	19.6	19.6
>OR >0	18.5	18.9	19.6	19.6	19.6	19.6	19.6	19.6
TOTAL	49	50	52	52	52	52	52	52

TOTAL NUMBER OF OBS: 265

PCT FREQ NH <5/8: 80.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
7.3	16.4	19.7	23.4	13.9	8.8	4.7	3.6	2.2	.0	274

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

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7.35 14.2W

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
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.7	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.7	.0
5<10	PCP	.0	.0	.0	.8	.2	.0	.0	.0	.0	.0	1.0	.0
	NO PCP	.0	.0	.0	2.4	.2	.0	.0	.0	.0	.0	2.6	.0
	TOT %	.0	.0	.0	3.2	.4	.0	.0	.0	.0	.0	3.6	.0
10+	PCP	.0	.0	.2	.4	.0	.3	.0	.0	.0	.0	1.0	.0
	NO PCP	.3	.1	27.0	64.0	2.3	.0	.0	.3	.0	.7	94.8	.0
	TOT %	.3	.1	27.3	64.4	2.3	.3	.0	.3	.0	.7	95.7	.0
TOT OBS													305
TOT PCT													.3 .1 27.3 64.4 2.3 .3 .0 .3 .0 .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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	.0
	11-21	.0	.0	.0	2.4	.4	.0	.0	.0	.0	.0	2.8	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	3.0	.4	.0	.0	.0	.0	.0	3.4	.0
10+	0-3	.0	.0	.5	.5	.0	.0	.0	.0	.0	.6	1.5	.0
	4-10	.3	.0	9.7	17.1	.9	.3	.0	.3	.0	28.7	.0	
	11-21	.0	.1	15.5	45.8	1.2	.0	.0	.0	.0	62.7	.0	
	22+	.0	.0	1.2	1.9	.0	.0	.0	.0	.0	3.1	.0	
	TOT %	.3	.1	26.9	65.4	2.2	.3	.0	.3	.0	66.0	.0	
TOT OBS													324
TOT PCT													.3 .1 27.3 68.4 2.5 .3 .0 .3 .0 .6 100.0

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

AREA 0023 ASCENSION
7.35 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	1.6	6.5	4.8	.0	.0	.0	.0	12.9	87.1	62
06009	.0	.0	.0	5.8	13.0	2.9	.0	.0	.0	1.4	23.2	76.8	69
12015	.0	.0	.0	4.1	8.2	4.1	4.1	.0	.0	.0	20.5	79.5	73
18021	.0	.0	1.4	1.4	8.7	7.2	.0	.0	.0	.0	18.8	81.2	69
TOT	0	0	1	9	25	13	3	0	0	1	52	221	273
PCT	.0	.0	.4	3.3	9.2	4.8	1.1	.0	.0	.4	19.0	81.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	1.5	98.5	68
06009	.0	.0	.0	1.1	2.2	96.8	93
12015	.0	.0	.0	1.2	3.7	95.1	81
18021	.0	.0	.0	.0	6.1	93.9	82
TOT	0	0	0	2	11	311	324
PCT	.0	.0	.0	.6	3.4	96.0	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <3/8 AND 3+	TOTAL OBS
00003	.0	.0	1.6	11.5	86.9	61
06009	.0	.0	7.6	16.7	75.8	66
12015	.0	.0	5.6	15.5	78.9	71
18021	.0	1.5	3.0	16.4	80.6	67
TOT	0	1	12	40	213	265
PCT	.0	.4	4.3	15.1	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
95/99	.0	.0	.4	.0	.0	.0	.0	.0	1	.4
90/94	.0	.0	.0	.0	.8	.0	.0	.0	2	.8
85/89	.0	.0	.0	.8	2.6	1.5	.0	.0	13	4.9
80/84	.0	.0	.0	.8	12.0	27.1	12.4	3.0	147	55.3
75/79	.0	.0	.0	.0	4.1	16.5	13.9	4.1	103	38.7
TOTAL	0	0	1	4	32	120	70	19	266	100.0
PCT	.0	.0	.4	1.5	19.5	45.1	26.3	7.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CAL ^W
95/99	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.4	1.1	.3	.0	.0	.0	.0	.0
85/89	.0	.0	.8	4.0	.0	.0	.0	.0	.0	.0
80/84	.4	.0	15.2	36.7	1.9	.0	.0	.4	.0	.8
75/79	.0	.0	10.5	27.3	.9	.0	.0	.0	.0	.0
TOTAL	.4	.0	27.0	68.4	3.1	.0	.0	.4	.0	.8

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	82	81	78	76	75	75	78.6	174
06009	84	83	81	78	76	75	72	78.5	328
12015	95	90	86	81	78	76	73	81.5	376
18021	90	86	83	79	77	75	75	79.7	307
TOT	95	88	84	79	77	75	72	79.8	1185

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	4.8	46.8	35.5	12.9	81	62		
06009	.0	.0	10.1	44.9	40.6	4.3	79	69		
12015	.0	6.0	37.3	40.3	11.9	4.5	72	67		
18021	.0	1.5	25.0	48.5	17.6	7.4	75	68		
TOT	0	5	52	120	70	19	77	266		

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

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7.3S 14.2W

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	69 72	73 76	77 80	81 84	85 88	89 92	>92	TCT	W FOG	WD FOG
14/16	.0	.0	.0	.0	.0	.0	.4	1	.0	.4
9/10	.0	.0	.0	.0	.0	.7	.0	2	.0	.7
7/8	.0	.0	.0	.4	1.5	.0	.0	5	.0	1.8
6	.0	.0	.0	.4	.0	.0	.0	1	.0	.4
5	.0	.0	.4	.7	1.1	.4	.0	7	.0	2.6
4	.0	.0	1.1	1.8	.7	.0	.0	10	.0	3.6
3	.0	.0	.4	3.6	.7	.0	.0	13	.0	4.7
2	.0	.0	.4	4.7	.4	.0	.0	15	.0	5.5
1	.0	.0	2.9	5.1	.0	.0	.0	22	.0	8.0
0	.0	.4	5.8	5.8	.0	.0	.0	33	.0	12.0
-1	.0	.0	13.1	6.2	.0	.0	.0	53	.0	19.3
-2	.0	.7	13.5	3.6	.0	.0	.0	49	.0	17.9
-3	.0	.0	11.7	.7	.0	.0	.0	34	.0	12.4
-4	.0	.4	4.0	.4	.0	.0	.0	13	.0	4.7
-5	.0	.0	2.2	.0	.0	.0	.0	6	.0	2.2
-6	.0	1.1	.7	.0	.0	.0	.0	5	.0	1.8
-7/-8	.4	.4	.0	.0	.0	.0	.0	2	.0	.7
-9/-10	.0	.4	.7	.0	.0	.0	.0	3	.0	1.1
TOTAL	1	9	156	92	12	3	1	274	0	274
PCT	.4	3.3	56.9	33.6	4.4	1.1	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
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	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
1-2	.0	6.9	4.0	.0	.0	.0	10.9	.0	6.5	3.0	.0	.0	.0	9.5
3-4	.0	3.3	6.5	.7	.0	.0	10.6	.0	5.8	13.9	.7	.0	.0	20.4
5-6	.0	2.5	3.9	.0	.0	.0	6.3	.0	2.5	20.2	1.4	.0	.0	24.1
7	.0	.0	3.7	.7	.0	.0	4.4	.0	.0	4.8	.0	.0	.0	4.8
8-9	.0	.0	.7	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.7
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	1.4	.0	.0	.0	1.4
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	.0	12.7	18.8	1.4	.0	.0	32.9	.0	15.5	44.0	2.1	.0	.0	61.6

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	2.1	1.2	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.7	.7	.0	.0	.0	.0	1.4	
1-2	.0	16.2	7.0	.0	.0	.0	23.2	
3-4	.0	9.9	21.1	1.4	.0	.0	32.4	
5-6	.0	4.9	24.6	1.4	.0	.0	31.0	
7	.0	.0	8.5	.7	.0	.0	9.2	
8-9	.0	.0	1.4	.0	.0	.0	1.4	
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	1.4	.0	.0	.0	1.4	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	31.7	64.1	3.5	.0	.0	100.0	142

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	.0	8.2	14.3	10.4	3.5	1.3	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	89	4
6-7	.0	.0	9.5	18.2	3.9	2.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	5
8-9	.0	.0	1.3	3.9	5.6	3.9	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	7
10-11	.0	.0	.9	.4	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
12-13	.0	.0	.0	.4	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	16
INDET	.4	.0	.9	1.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
TOTAL	1	19	62	81	38	21	5	1	1	0	2	0	0	0	0	0	0	0	0	0	231	5
PCT	.4	8.2	26.8	35.1	16.5	9.1	2.2	.4	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	1.4	.0	1.1	.0	93.7
SE	.0	1.5	1.0	.0	.0	.0	.0	2.5	.1	.0	.0	.0	.1	.0	97.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	1.1	.7	.0	.0	.0	.0	1.8	1.1	.0	.4	.0	.4	.0	96.5
TOT OBS:	284														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
0000	.0	1.3	1.3	.0	.0	.0	.0	2.6	1.3	.0	.0	.0	1.3	.0	94.8
0600	.0	2.8	.0	.0	.0	.0	.0	2.8	2.8	.0	1.4	.0	.0	.0	93.1
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1800	.0	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	98.3
TOT PCT	.0	1.1	.7	.0	.0	.0	.0	1.8	1.1	.0	.4	.0	.4	.0	96.5
TOT OBS:	285														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0	.0	13.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
NE	.0	.2	.4	.0	.0	.0	.0	12.6	.0	.0	.8	1.0	.8	.0	.0	.6	.0
E	.0	3.2	16.0	1.6	.0	.0	.0	19.0	23.5	18.8	20.4	19.4	23.0	.0	19.0	16.7	.0
SE	.0	14.4	53.3	5.9	.3	.0	.0	73.9	72.0	81.3	73.3	73.5	72.6	100.0	76.7	77.0	.0
S	.0	.8	3.4	.2	.0	.0	.0	13.8	4.5	.0	4.8	6.1	3.5	.0	3.3	5.7	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
TOT OBS	1	245	961	101	4	0	1312	14.7	205	4	240	147	384	1	172	159	.0
TOT PCT	.1	18.7	73.2	7.7	.3	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	06	12	18		
N	.0	.0	.0	.0	.0	.0	13.0	.0	.0	.0	.0	.0	.0
NE	.1	.4	.2	.0	.0	.0	12.6	.0	.9	.8	.0	.0	.6
E	.6	11.2	8.9	.1	.0	.0	19.0	23.4	20.0	23.0	.0	17.9	.0
SE	1.4	44.0	27.9	.6	.0	.0	73.9	72.1	73.5	72.7	76.9	.0	.0
S	.4	2.8	1.2	.1	.0	.0	13.8	4.4	5.3	3.5	4.5	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.0	.0
TOT OBS	34	767	501	10	0	1312	14.7	209	387	385	331	.0	.0
TOT PCT	2.6	58.5	38.2	.8	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00603	.0	.0	21.5	69.9	8.1	.5	.0	14.8	100.0	209
06609	.3	.0	19.6	72.1	7.8	.3	.0	14.6	100.0	387
12615	.0	.0	19.0	72.7	7.8	.5	.0	14.8	100.0	385
18621	.0	.0	15.4	77.3	7.3	.0	.0	14.7	100.0	331
TOT	1	0	245	961	101	4	0	14.7		1312
PCT	.1	.0	18.7	73.2	7.7	.3	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CBS	MEAN CLOUD COVER
NE	.0	.1	.8	.0	.0	6.5
E	6.2	9.7	6.6	1.8	.0	3.8
SE	28.5	19.4	18.4	4.3	.0	3.5
S	2.3	.8	1.2	.0	.0	3.2
SW	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	96	78	70	16	260	3.6
TOT PCT	36.9	30.0	26.9	6.2	100.0	

TABLE 6

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

OBS	CEILING HEIGHTS (FT)										NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999	8000+		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.5
E	.0	.0	.4	1.4	2.8	.6	.3	.0	.0	.0	.0	18.8
SE	.0	.0	.4	5.1	4.5	3.7	.9	.4	.4	.4	.0	55.3
S	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	3.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	0	0	2	18	22	11	3	1	1	0	202	260
TOT PCT	.0	.0	.8	6.9	8.5	4.2	1.2	.4	.4	.0	77.7	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.4	.4	.4	.4	.4	.4	.4	.4
>3000	.4	.8	.8	.8	.8	.8	.8	.8
>2500	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
>2000	5.7	6.1	6.1	6.1	6.1	6.1	6.1	6.1
>1000	12.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6
>600	19.9	21.1	21.5	21.5	21.5	21.5	21.5	21.5
>300	20.3	21.8	22.2	22.2	22.2	22.2	22.2	22.2
>150	20.3	21.8	22.2	22.2	22.2	22.2	22.2	22.2
>0	20.3	21.8	22.2	22.2	22.2	22.2	22.2	22.2
TOTAL	33	57	58	58	58	58	58	58

TOTAL NUMBER OF OBS: 261 PCT FREQ NH <5/8: 77.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL CBS
5.8	16.3	23.6	19.2	13.0	8.3	5.8	3.6	4.3	.0	276

JUNE

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4
	TOT %	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4
5<10	PCP	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	1.4
	NO PCP	.0	.0	1.2	.9	.0	.0	.0	.0	.0	.0	.0	2.1
	TOT %	.0	.0	1.2	2.3	.0	.0	.0	.0	.0	.0	.0	3.5
10+	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4
	NO PCP	.0	.8	23.5	67.6	3.9	.0	.0	.0	.0	.0	.0	95.8
	TOT %	.0	.8	23.5	68.0	3.9	.0	.0	.0	.0	.0	.0	96.1
TOT OBS												284	
TOT PCT												.0 .8 23.1 70.2 3.9 .0 .0 .0 .0 .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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	1.0
	11-21	.0	.0	.8	1.4	.0	.0	.0	.0	.0	.0	.0	2.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.1	2.1	.0	.0	.0	.0	.0	.0	.0	3.2
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.3	6.4	22.7	2.0	.0	.0	.0	.0	.0	.0	31.4
	11-21	.0	.4	14.7	40.6	1.7	.0	.0	.0	.0	.0	.0	57.4
	22+	.0	.0	1.3	6.1	.3	.0	.0	.0	.0	.0	.0	7.7
	TOT %	.0	.7	22.4	69.4	4.0	.0	.0	.0	.0	.0	.0	96.5
TOT OBS												312	
TOT PCT												.0 .7 23.8 71.5 4.0 .0 .0 .0 .0 .0 100.0	

JUNE

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1859-1975

AREA 0023 ASCENSION
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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0000	149	209	599	999	1999	3499	4999	6499	7999		13.5	86.5	74
0600	.0	.0	.0	10.8	12.3	3.1	4.6	.0	.0	.0	30.8	69.2	65
1200	.0	.0	.0	7.6	11.4	2.5	.0	.0	1.3	.0	22.8	77.2	79
1800	.0	.0	.0	7.3	5.5	5.5	.0	.0	.0	.0	18.2	81.8	55
TOT	0	0	2	18	22	11	3	1	1	0	58	215	273
PCT	.0	.0	.7	6.6	8.1	4.0	1.1	.4	.4	.0	21.2	78.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL
0000	.0	.0	.0	.0	4.7	95.3	85
0600	.0	.0	.0	.0	4.9	95.1	82
1200	.0	.0	.0	1.2	.0	98.8	83
1800	.0	.0	.0	.0	3.2	96.8	63
TOT	0	0	0	1	10	302	313
PCT	.0	.0	.0	.3	3.2	96.5	100.0

TABLE 12

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

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL
0000	.0	2.9	4.4	10.3	85.3	68
0600	.0	.0	10.9	20.3	68.8	64
1200	.0	.0	7.8	15.6	76.6	77
1800	.0	.0	7.7	11.5	80.8	52
TOT	0	2	20	38	203	261
PCT	.0	.8	7.7	14.6	77.8	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	PCT
85/89	.0	.0	.0	.8	.4	1.2	.0	.4	7	2.7
80/84	.0	.0	.0	.4	15.0	12.7	2.3	1.2	82	31.5
75/79	.0	.0	.0	.0	7.7	33.5	15.4	5.8	162	62.3
70/74	.0	.0	.0	.0	.4	1.9	1.2		9	3.5
TOTAL	0	0	0	3	60	124	51	22	260	100.0
PCT	.0	.0	.0	1.2	23.1	47.7	19.6	8.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	1.7	.3	.0	.0	.0	.0	.0
.0	.5	7.4	22.7	1.0	.0	.0	.0	.0	.0
.0	.4	16.4	43.3	2.2	.0	.0	.0	.0	.0
.0	.0	.9	2.6	.0	.0	.0	.0	.0	.0
.0	.9	25.4	70.3	3.5	.0	.0	.0	.0	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
0000	82	81	80	77	75	74	74	77.3	197
0600	82	81	80	77	74	74	71	77.3	365
1200	89	87	85	80	77	75	72	80.2	367
1800	86	85	81	78	74	74	74	78.3	311
TOT	89	85	83	78	75	74	71	78.4	1240

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
0000	.0	.0	10.0	52.9	28.6	8.6	78	70		
0600	.0	.0	10.4	44.8	32.8	11.9	79	67		
1200	.0	2.7	38.4	47.9	5.5	5.5	71	73		
1800	.0	2.0	35.3	45.1	9.8	7.8	73	51		
TOT	0	3	60	125	51	22	76	261		

JUNE

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

TABLE 17

AREA 0023 ASCENSION
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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	TOT	N FOG	NO FOG
9/10	.0	.0	.4	.0	.0	1	.0	.4
7/8	.0	.0	.4	.0	.7	3	.0	1.1
6	.0	.0	.0	.0	.7	2	.0	.7
5	.0	.0	.4	.4	.0	2	.0	.7
4	.0	.0	.7	1.1	1.1	8	.0	3.0
3	.0	.0	.7	3.4	.0	11	.0	4.1
2	.0	.4	.7	3.4	.4	13	.0	4.9
1	.0	1.1	5.2	3.4	.0	26	.4	9.4
0	.0	.0	10.1	2.2	.0	33	.0	12.4
-1	.0	3.0	12.4	2.6	.0	48	.0	18.0
-2	.0	4.1	13.1	1.5	.0	50	.0	18.7
-3	.0	1.9	9.7	.4	.0	32	.0	12.0
-4	.0	2.6	6.0	.0	.0	23	.0	8.6
-5	.0	1.1	1.5	.0	.0	7	.0	2.6
-6	.0	1.1	.7	.0	.0	5	.0	1.9
-7/-8	.0	.4	.4	.0	.0	2	.0	.7
-9/-10	.4	.0	.0	.0	.0	1	.0	.4
TOTAL	1	42	49	8	8	267	1	266
PCT	.4	15.7	62.5	18.4	3.0	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	2.1
1-2	.0	3.6	3.8	.0	.0	.0	7.3	.0	3.6	3.4	.0	.0	.0	.0	7.0
3-4	.0	2.9	9.1	.7	.0	.0	12.7	.0	5.7	20.9	.7	.0	.0	.0	27.3
5-6	.0	.0	4.3	.0	.0	.0	4.3	.0	.7	14.5	1.4	.0	.0	.0	16.6
7	.0	.0	2.0	.0	.0	.0	2.0	.0	4.3	6.6	.0	.0	.0	.0	10.9
8-9	.0	.0	.0	.7	.0	.0	.7	.0	1.4	.7	.0	.0	.0	.0	2.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	6.4	20.5	1.4	.0	.0	28.4	.0	17.9	45.1	3.6	.7	.0	.0	68.2

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.7	.0	.0	.7	.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	.0	.0
10-11	.0	.0	.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	.0	.0
13-16	.0	.0	.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	.0	.0
20-22	.0	.0	.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	.0	.0
26-32	.0	.0	.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	.0	.0
41-48	.0	.0	.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	.0	.0
61-70	.0	.0	.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	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	1.3	.7	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.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	.0	.0	
8-9	.0	.0	.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	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.7	2.1	.0	.0	.0	.0	2.8	
1-2	.0	7.8	7.8	.0	.0	.0	15.6	
3-4	.0	8.5	30.5	1.4	.0	.0	40.4	
5-6	.0	.7	19.1	1.4	.0	.0	21.3	
7	.0	4.3	8.5	.7	.0	.0	13.5	
8-9	.0	1.4	.7	1.4	.0	.0	3.5	
10-11	.0	.0	.0	.7	.0	.0	1.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	1.4	.0	.0	.0	1.4	
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	.7	24.8	68.1	5.7	.7	.0	100.0	141

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	.0	6.8	14.0	10.9	3.6	4.1	.9	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	5
6-7	.0	.9	6.3	14.9	5.9	4.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	5
8-9	.0	.0	4.1	3.2	5.4	2.3	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	6
10-11	.0	.0	1.8	.3	.0	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
INDET	.3	.9	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
TOTAL	1	19	61	67	34	25	7	5	2	0	0	0	0	0	0	0	0	0	0	0	221	5
PCT	.3	8.6	27.6	30.3	15.4	11.3	3.2	2.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FOG W0 PCPN	FOG W0 PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.7	.0	.0	.0	.0	.0	1.7	1.0	.0	.0	.0	1.0	.0	96.3
SE	.0	.8	.5	.0	.0	.0	.0	1.2	2.8	.0	.0	.0	.1	.0	95.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	100.0
TOT PCT	.0	1.0	.3	.0	.0	.0	.0	1.3	2.6	.0	.0	.0	.3	.0	95.8
TOT OBS:	306														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FOG W0 PCPN	FOG W0 PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	95.1
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1200	.0	2.2	1.1	.0	.0	.0	.0	3.3	4.3	.0	.0	.0	1.1	.0	91.3
1800	.0	1.3	.0	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	97.4
TOT PCT	.0	1.0	.3	.0	.0	.0	.0	1.3	2.6	.0	.0	.0	.3	.0	95.8
TOT OBS:	308														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.4	.5	.0	.0	.0	.0	.9	11.6	.6	.0	.7	1.0	.8	.0	.9	2.2
E	.2	4.9	11.9	1.8	.0	.0	.0	18.9	14.3	16.5	.0	20.3	15.8	20.1	50.0	17.9	19.3
SE	.1	12.8	59.0	8.2	.0	.0	.0	74.2	15.2	76.9	100.0	72.3	73.1	74.2	50.0	76.6	71.5
S	.0	1.3	4.1	.3	.0	.0	.0	5.8	13.6	6.0	.0	6.6	10.2	4.5	.0	4.0	6.9
SW	.0	.0	.1	.0	.0	.0	.0	.1	13.0	.0	.0	.0	.0	.3	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.0	.0	.6	.0
TOT OBS	6	330	825	123	0	0	1184	14.9		167	1	207	103	394	2	173	187
TOT PCT	.5	19.4	69.7	10.4	.0	.0	100.0	14.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-6	7-16	17-27	28-40				00	06	12	18	21		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.8	.1	.0	.0	.0	.9	11.6	.6	.0	.7	1.0	.8	1.5
E	1.4	10.5	6.6	.3	.0	.0	18.9	14.3	16.5	.0	20.3	15.8	20.2	18.5
SE	1.2	42.7	29.0	1.3	.0	.0	74.2	15.2	76.9	100.0	72.3	73.1	74.1	74.4
S	.3	4.0	1.5	.0	.0	.0	5.8	13.6	6.0	.0	6.6	10.2	4.5	5.3
SW	.0	.1	.0	.0	.0	.0	.1	13.0	.0	.0	.0	.0	.3	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.0	.3
TOT OBS	37	887	441	19	0	1184	14.9		167	1	207	103	394	310
TOT PCT	3.1	58.0	37.2	1.6	.0	100.0	14.9		100.0	100.0	100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	21.4	67.3	11.3	.0	.0	15.0	100.0	168
06009	.0	1.0	20.0	68.4	10.6	.0	.0	14.6	100.0	310
12015	.3	.3	16.2	72.2	11.1	.0	.0	15.2	100.0	398
18021	.3	.0	21.9	69.0	8.7	.0	.0	14.7	100.0	310
TOT	.2	.4	23.0	69.7	10.4	.0	.0	14.9		1184
PCT	.2	.3	19.4	69.7	10.4	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0	.0	.0
E	9.5	7.6	7.2	.4		3.3
SE	23.1	19.2	23.2	7.1		4.0
S	.9	.0	1.3	.0		3.9
SW	.0	.0	.0	.4		8.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	90	72	85	21	268	3.8
TOT PCT	33.5	26.9	31.7	7.8	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.4	.4	2.5	.8	.2	.0	.0	.0	.0	20.4
SE	.0	.0	.4	4.1	9.1	4.8	.9	.0	.0	.0	.4	53.0
S	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.4	1.6
SW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	0	0	2	12	35	15	3	0	0	2	201	268
TOT PCT	.0	.0	.7	4.5	12.3	5.6	1.1	.0	.0	.7	75.0	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>5CYD	>0
>6500	.7	.7	.7	.7	.7	.7	.7	.7
>5000	.7	.7	.7	.7	.7	.7	.7	.7
>3500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
>2000	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
>1000	19.0	19.0	19.0	19.3	19.7	19.7	19.7	19.7
>600	23.0	23.4	23.4	23.8	24.2	24.2	24.2	24.2
>300	23.8	24.2	24.2	24.5	24.9	24.9	24.9	24.9
>150	23.8	24.2	24.2	24.5	24.9	24.9	24.9	24.9
>0	23.8	24.2	24.2	24.5	24.9	24.9	24.9	24.9
TOTAL	64	65	65	66	67	67	67	67

TOTAL NUMBER OF OBS: 269 PCT FREQ NM <5/8: 75.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.9	15.2	21.2	20.5	13.4	6.0	8.8	4.6	5.3	.0	203

PERIOD (PRIMARY) 1865-1975
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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.2	.5	.0	.0	.0	.0	.0	.0	.7	.7
	NO PCP	.0	.0	1.2	4.0	.0	.0	.0	.0	.0	.0	5.2	5.2
	TOT %	.0	.0	1.4	4.5	.0	.0	.0	.0	.0	.0	5.9	5.9
10+	PCP	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	22.6	67.4	2.8	.0	.0	.0	.0	.3	93.1	93.1
	TOT %	.0	.0	22.9	67.5	2.8	.0	.0	.0	.0	.3	93.5	93.5
TOT OBS													306
TOT PCT		.0	.0	24.3	72.3	2.8	.3	.0	.0	.0	.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	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.7	2.4	.0	.0	.0	.0	.0	.0	3.1	3.1
	11-21	.0	.0	.6	1.5	.0	.0	.0	.0	.0	.0	2.2	2.2
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	1.3	4.3	.0	.0	.0	.0	.0	.0	5.6	5.6
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
	4-10	.0	.0	8.2	18.0	1.9	.0	.0	.0	.0	.0	28.2	28.2
	11-21	.0	.0	14.6	46.3	1.0	.0	.0	.0	.0	.0	61.9	61.9
	22+	.0	.0	.5	2.9	.0	.0	.0	.0	.0	.0	3.4	3.4
	TOT %	.0	.0	23.4	67.2	2.9	.0	.0	.0	.0	.3	93.8	93.8
TOT OBS													323
TOT PCT		.0	.0	24.7	71.7	2.9	.3	.0	.0	.0	.3	100.0	

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.25 14.1W

TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	7.5	3.8	1.9	.0	.0	.0	.0	13.2	86.8	53
06009	.0	.0	1.4	4.2	15.5	4.2	1.4	.0	.0	2.8	29.6	70.4	71
12015	.0	.0	1.2	3.5	9.4	7.1	.0	.0	.0	.0	21.2	78.8	85
18021	.0	.0	.0	2.8	16.9	7.0	2.8	.0	.0	.0	29.6	70.4	71
TOT	0	0	2	12	33	15	3	0	0	2	67	213	280
PCT	.0	.0	.7	4.3	11.8	5.4	1.1	.0	.0	.7	23.9	76.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL
(GMT)							OBS
00003	.0	.0	.0	.0	3.2	96.8	63
06009	.0	.0	.0	.0	4.8	95.2	84
12015	.0	1.0	1.0	.0	4.2	93.8	96
18021	.0	.0	.0	.0	9.8	90.2	82
TOT	0	1	1	0	18	305	325
PCT	.0	.3	.3	.0	5.5	93.8	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<50YD	<1	<5	AND5+	AND 5+	OBS
00003	.0	.0	7.8	5.9	86.3	51
06009	.0	1.5	6.2	26.2	67.7	65
12015	.0	2.4	7.2	14.5	78.3	83
18021	.0	.0	2.9	27.1	70.0	70
TOT	0	3	16	51	202	269
PCT	.0	1.1	5.9	19.0	75.1	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	PCT
									OBS	FREQ
90/94	.0	.0	.0	.4	.0	.0	.0	.0	1	.4
85/89	.0	.0	.0	.4	.4	.4	.0	.0	3	1.1
80/84	.0	.0	.0	1.8	4.4	4.0	1.5	.0	32	11.6
75/79	.0	.0	.0	1.1	14.9	39.6	12.4	3.3	196	71.3
70/74	.0	.0	.0	.7	1.1	4.7	6.5	2.5	43	15.6
TOTAL	0	0	0	12	57	134	56	16	273	100.0
PCT	.0	.0	.0	4.4	20.7	48.7	20.4	5.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.6	.1	.4	.0	.0	.0	.0	.0
80/84	.0	.0	3.3	8.4	.0	.0	.0	.0	.0	.0
75/79	.0	.0	16.6	51.4	2.5	.4	.0	.0	.0	.4
70/74	.0	.0	4.1	11.4	.2	.0	.0	.0	.0	.0
TOTAL	.0	.0	24.6	71.5	3.1	.4	.0	.0	.0	.4

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	79	78	77	75	73	71	71	75.3	132
06009	81	79	78	75	73	71	70	75.4	293
12015	90	85	83	78	75	74	71	78.4	384
18021	85	82	80	76	73	72	66	76.6	292
TOT	90	84	81	76	73	72	66	76.7	1121

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	.0	9.1	58.2	21.8	10.9			78	53
06009	.0	.0	15.9	50.7	27.5	5.8			77	69
12015	.0	12.0	32.5	37.3	13.3	4.8			71	83
18021	.0	2.9	20.3	53.6	20.3	2.9			74	69
TOT	0	12	57	135	56	16			75	276

JULY

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

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7.25 14.1W

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	TOT	% FOG	NO FOG
11/13	.0	.0	.0	.0	.0	.4	1	.0	.4
9/10	.0	.0	.4	.0	.7	.0	3	.0	1.1
7/8	.0	.0	.4	1.1	.0	.0	4	.0	1.4
6	.0	.0	.4	1.1	.0	.0	4	.0	1.4
5	.0	.0	.7	.0	.0	.0	2	.0	.7
4	.0	.7	.4	1.4	.0	.0	7	.0	2.5
3	.0	1.1	1.4	1.1	.0	.0	10	.0	3.6
2	.0	1.4	6.1	1.1	.4	.0	25	.0	8.9
1	.0	3.6	3.9	.7	.0	.0	23	.0	8.2
0	.0	7.5	9.3	.4	.0	.0	48	.0	17.1
-1	.0	7.1	7.5	.0	.0	.0	41	.0	14.6
-2	.4	12.1	5.0	.0	.0	.0	49	.0	17.5
-3	1.1	8.2	1.1	.0	.0	.0	29	.0	10.4
-4	.7	6.1	.4	.0	.0	.0	20	.0	7.1
-5	.0	3.9	.0	.0	.0	.0	11	.0	3.9
-6	.0	.4	.0	.0	.0	.0	1	.0	.4
-7/-8	.4	.4	.0	.0	.0	.0	2	.0	.7
TOTAL	7	147	103	19	3	1	280	0	280
PCT	2.5	52.5	36.8	6.8	1.1	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.6	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0	.6	.0	.6
1-2	.0	4.7	1.2	.0	.0	.0	5.9	.0	5.9	5.4	.0	.0	.0	11.3	.0
3-4	.0	3.6	8.7	.0	.0	.0	12.3	.0	6.8	21.4	.0	.0	.0	28.2	.0
5-6	.0	.6	4.1	.5	.0	.0	5.1	.0	1.2	15.8	.8	.0	.0	17.8	.0
7	.0	.0	2.7	.0	.0	.0	2.7	.0	.0	6.3	1.2	.0	.0	7.5	.0
8-9	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	2.9	.0	.0	.0	2.9	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.0	.0	1.2	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	9.5	18.1	.5	.0	.0	28.0	.0	14.5	52.4	2.6	.0	.0	69.4	.0

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.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	.0	.0	
8-9	.0	.0	.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	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	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	.6	1.2	.0	.0	.0	.0	1.8	
1-2	.0	11.4	6.6	.0	.0	.0	18.1	
3-4	.0	11.4	30.1	.0	.0	.0	41.6	
5-6	.0	1.8	19.9	1.2	.0	.0	22.9	
7	.0	.0	9.0	1.2	.0	.0	10.2	
8-9	.0	.0	4.2	.0	.0	.0	4.2	
10-11	.0	.0	.6	.6	.0	.0	1.2	
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	.6	25.9	70.5	3.0	.0	.0	100.0	166

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	5.3	12.8	9.1	3.3	1.2	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	5	
6-7	.0	.0	8.2	12.8	8.2	2.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	5
8-9	.0	.0	.8	3.7	4.5	7.0	.8	.8	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	8
10-11	.0	.4	.4	.8	1.2	.4	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	7
12-13	.0	.0	.0	.8	.8	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	9
>13	.0	.0	.0	.8	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
INDPT	.4	1.2	.8	.8	.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
TOTAL	2	17	36	69	47	30	12	2	8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	243	6
PCT	.8	7.0	23.0	28.4	19.3	12.3	4.9	.8	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1855-1975

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	99.2
SE	1.0	.4	.4	.0	.0	.0	.0	1.4	2.7	.0	.0	.0	.0	.0	95.9
S	5.6	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	94.4
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.9	.3	.3	.0	.0	.0	.0	1.2	2.1	.0	.0	.0	.0	.0	96.8
TOT OBS:	339														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	2.4	1.2	.0	.0	.0	.0	.0	3.7	1.2	.0	.0	.0	.0	.0	95.1
06009	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	97.4
12015	1.0	.0	1.0	.0	.0	.0	.0	1.0	2.1	.0	.0	.0	.0	.0	96.9
18021	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	97.6
TOT PCT	.9	.3	.3	.0	.0	.0	.0	1.2	2.1	.0	.0	.0	.0	.0	96.8
TOT OBS:	341														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47				48+	00	03	06	09	12	15	18
N	.0	.1	.0	.0	.0	.0	.1	9.0	.0	.0	.0	.0	.3	.0	.0	.0
NE	.0	.2	.3	.0	.0	.0	.5	12.4	.0	.0	.0	.0	.9	.0	.0	1.2
E	.2	3.0	14.9	1.9	.0	.0	22.0	14.8	23.7	.0	20.1	21.6	23.1	30.0	21.1	20.0
SE	.1	14.0	51.2	6.1	.0	.0	71.3	14.7	69.1	.0	71.5	74.3	70.3	30.0	74.0	72.1
S	.0	.8	4.3	.8	.0	.0	5.8	15.2	6.6	.0	7.5	4.1	5.2	.0	4.5	6.7
SW	.0	.0	.3	.0	.0	.0	.3	15.0	.0	.0	.8	.0	.2	.0	.4	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	190	675	83	0	0	950	14.8	138	.0	180	74	303	2	129	104
TOT PCT	.2	20.0	71.1	8.7	.0	.0	100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	06	12	18	
N	.0	.1	.0	.0	.0	.1	9.0	.0	.0	.3	.0	.0	.0
NE	.0	.4	.1	.0	.0	.5	12.4	.0	.0	.9	.0	.0	.5
E	1.3	11.4	8.8	.4	.0	22.0	14.8	23.7	20.6	23.3	20.6		
SE	1.7	44.9	23.9	.9	.0	71.3	14.7	69.1	72.3	70.2	73.2		
S	.0	3.8	2.0	.1	.0	5.8	15.2	6.6	6.5	5.2	5.5		
SW	.0	.2	.1	.0	.0	.3	15.0	.0	.6	.2	.2		
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT OBS	28	577	332	13	0	950	14.8	138	254	305	233		
TOT PCT	2.9	60.7	34.9	1.4	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1855-1975

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	18.4	72.2	9.5	.0	.0	14.8	100.0	158
06009	.0	.4	20.5	68.1	11.0	.0	.0	14.8	100.0	254
12015	.0	.3	22.0	70.8	6.9	.0	.0	14.6	100.0	305
18021	.0	.0	18.0	73.8	8.2	.0	.0	14.9	100.0	233
TOT	0	2	190	675	63	0	0	14.8		950
PCT	.0	.2	20.0	71.1	8.7	.0	.0		100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.1	.0	.0	7.0
E	8.0	7.3	5.2	4.3		4.1
SE	17.6	15.9	25.5	11.9		4.6
S	1.1	.6	1.6	.5		4.8
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	75	67	93	47	282	4.5
TOT PCT	26.6	23.8	33.0	16.7	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS						
													149	299	599	999	1999	3499
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						
NE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0						
E	.0	.0	.0	1.4	2.8	2.0	.3	.5	.0	.0	.0	18.3						
SE	.4	.0	.0	6.4	12.4	5.9	2.2	1.6	.0	.0	.0	41.9						
S	.0	.0	.0	.0	1.1	.5	.0	.0	.0	.0	.0	2.2						
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						
VAR	.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						
TOT OBS	75	67	93	47	282	4.5	1	0	0	22	46	24	7	6	0	0	176	282
TOT PCT	26.6	23.8	33.0	16.7	100.0		.4	.0	.0	7.8	16.2	8.5	2.5	2.1	.0	.0	62.4	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)			VSBY (NM)				
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	1.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1
>3500	4.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6
>2000	12.8	13.1	13.1	13.1	13.1	13.1	13.1	13.1
>1000	27.7	29.4	29.4	29.4	29.4	29.4	29.4	29.4
>600	35.5	37.2	37.2	37.2	37.2	37.2	37.2	37.2
>300	35.5	37.2	37.2	37.2	37.2	37.2	37.2	37.2
>150	35.5	37.2	37.2	37.2	37.2	37.2	37.2	37.2
>0	35.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6
TOTAL	101	106	106	106	106	106	106	106

TOTAL NUMBER OF OBS: 262 PCT FREQ NH <5/8: 62.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.7	11.5	18.6	14.9	11.1	8.4	6.1	6.8	12.8	.0	296

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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	1.0	4.6	.0	.0	.0	.0	.0	.0	.0	5.6
	TOT %	.0	.0	1.0	4.6	.0	.0	.0	.0	.0	.0	.0	5.6
10+	PCP	.0	.0	.0	1.0	.2	.0	.0	.0	.0	.0	.0	1.2
	NO PCP	.0	.2	25.1	62.9	3.8	.6	.0	.0	.0	.0	.0	92.6
	TOT %	.0	.2	25.1	63.9	4.0	.6	.0	.0	.0	.0	.0	93.8
TOT OBS													339
TOT PCT		.0	.2	26.2	69.0	4.0	.6	.0	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.6	4.1	.0	.0	.0	.0	.0	.0	.0	4.7
	22+	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6
	TOT %	.0	.0	1.0	4.5	.0	.0	.0	.0	.0	.0	.0	5.5
10+	0-3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3
	4-10	.0	.1	9.2	16.5	1.2	.0	.0	.0	.0	.0	.0	27.0
	11-21	.0	.1	15.0	46.1	2.8	.6	.0	.0	.0	.0	.0	64.5
	22+	.0	.0	.6	1.5	.0	.0	.0	.0	.0	.0	.0	2.0
	TOT %	.0	.2	25.1	64.1	3.9	.6	.0	.0	.0	.0	.0	93.9
TOT OBS													344
TOT PCT		.0	.2	26.1	69.2	3.9	.6	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.25 14.14

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >478) AND OCCURRENCE OF NH <578 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <578 ANY HGT	TOTAL OBS
00003	1.4	.0	.0	7.0	16.9	7.0	2.8	2.8	.0	.0	38.0	62.0	71
06009	.0	.0	.0	8.6	12.1	3.4	1.7	1.7	.0	.0	27.6	72.4	58
12015	.0	.0	.0	9.5	20.2	15.5	2.4	2.4	.0	.0	50.0	50.0	84
18021	.0	.0	.0	5.3	13.2	5.3	2.6	1.3	.0	.0	27.6	72.4	76
TOT	1	0	0	22	46	24	7	6	0	0	106	183	289
PCT	.3	.0	.0	7.6	15.9	8.3	2.4	2.1	.0	.0	36.7	63.3	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	1.2	.0	3.7	95.1	82
06009	.0	.0	.0	.0	6.4	93.6	78
12015	.0	.0	.0	.0	4.1	95.9	98
18021	.0	.0	.0	1.1	9.1	89.8	88
TOT	0	0	1	1	20	324	346
PCT	.0	.0	.3	.3	5.8	93.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NH) AND/OR CEILING HGT (FEET, NH >478), BY HOUR

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <578 AND 5+	TOTAL OBS
00003	1.5	1.5	10.3	30.9	58.8	68
06009	.0	.0	8.8	19.3	71.9	57
12015	.0	.0	9.6	41.0	49.4	83
18021	.0	.0	5.4	23.0	71.6	74
TOT	1	1	24	83	175	282
PCT	.4	.4	8.5	29.4	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
85/89	.0	.0	.6	.6	.3	.3	.0	.0	6	1.9
80/84	.0	.0	.0	1.3	5.8	1.9	1.6	.0	33	10.7
75/79	.0	.0	.0	1.0	11.0	24.0	9.7	4.9	156	50.6
70/74	.0	.0	.0	.0	3.6	16.2	11.7	4.9	112	36.4
65/69	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	2	9	64	131	71	31	308	100.0
PCT	.0	.0	.6	2.9	20.8	42.5	23.1	10.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.8	.9	.2	.0	.0	.0	.0	.0
80/84	.0	.0	3.1	7.4	.2	.0	.0	.0	.0	.0
75/79	.0	.2	14.8	33.1	2.6	.0	.0	.0	.0	.0
70/74	.0	.1	8.5	27.0	.7	.0	.0	.0	.0	.0
65/69	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
TOTAL	.0	.2	27.2	68.8	3.8	.0	.0	.0	.0	.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	77	77	74	71	70	69	74.1	155
06009	79	78	77	74	71	69	67	74.0	246
12015	88	86	82	76	73	71	69	77.6	300
18021	88	86	81	75	72	69	68	75.7	229
TOT	88	84	80	75	72	69	67	75.4	930

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	7.9	52.6	27.6	10.5	78	76		
06009	.0	1.4	8.7	42.0	33.3	14.5	80	69		
12015	.0	7.0	30.2	41.9	14.0	7.0	73	86		
18021	.0	3.8	34.6	33.3	19.2	9.0	74	78		
TOT	0	11	65	131	71	31	76	309		

AUGUST

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.25 14.1W

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	TOT	W FOG	WJ FOG
14/16	.0	.0	.0	.0	.3	1	.0	.3
11/13	.0	.0	.0	.0	.7	2	.0	.7
9/10	.0	.0	.0	.0	.3	1	.0	.3
7/A	.0	.0	.0	2.0	.3	7	.0	2.3
6	.0	.0	.7	1.0	.3	6	.0	2.0
5	.0	.7	1.0	2.3	.0	12	.0	3.9
4	.0	.0	4.2	1.6	.0	18	.0	5.9
3	.0	.3	3.6	.3	.0	13	.0	4.2
2	.0	3.3	1.6	.0	.0	15	.0	4.9
1	.3	3.3	3.9	.0	.0	23	.0	7.5
0	.0	14.4	4.9	.0	.0	59	.0	19.3
-1	.0	13.7	2.6	.0	.0	50	.0	16.3
-2	.3	8.8	.3	.0	.0	29	.0	9.5
-3	1.0	6.2	.7	.0	.0	24	.0	7.8
-4	1.6	7.2	.3	.0	.0	28	.0	9.2
-5	1.0	2.9	.0	.0	.0	12	.0	3.9
-6	.0	.7	.0	.0	.0	2	.0	.7
-7/-8	1.0	.0	.0	.0	.0	3	.0	1.0
-11/-13	.3	.0	.0	.0	.0	1	.0	.3
TOTAL	17	73	73	6	6	306	0	306
PCT	5.6	61.4	23.9	7.2	2.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.6	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.6
1-2	.0	4.0	.9	.0	.0	.0	4.9	.0	6.7	9.7	.0	.0	.0	16.4
3-4	.0	2.4	8.6	.0	.0	.0	11.0	.0	7.4	15.3	.0	.0	.0	22.8
5-6	.0	.9	9.4	.0	.0	.0	10.3	.0	2.1	11.8	.0	.0	.0	13.8
7	.0	.0	1.3	.6	.0	.0	1.9	.0	.0	8.8	1.2	.0	.0	10.0
8-9	.0	.0	.4	.0	.0	.0	.4	.0	.0	2.2	.0	.0	.0	2.2
10-11	.0	.0	.6	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.6
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	.0	7.9	21.3	.6	.0	.0	29.8	.0	16.8	48.4	1.2	.0	.0	66.4

TABLE 18 (CONT)

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

HGT	S							SW							TOTAL PCT
	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	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.9	1.4	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	2.8	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							NW							TOTAL PCT
	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	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	1.2	.0	.0	.0	.0	1.2	
1-2	.0	10.7	10.7	.0	.0	.0	21.4	
3-4	.0	10.7	24.4	.0	.0	.0	35.1	
5-6	.0	3.0	22.6	.0	.0	.0	25.6	
7	.0	.0	10.1	1.8	.0	.0	11.9	
8-9	.0	.0	3.6	.0	.0	.0	3.6	
10-11	.0	.0	1.2	.0	.0	.0	1.2	
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	.0	25.6	72.6	1.8	.0	.0	100.0	168

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	4.8	19.4	8.7	5.6	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	4
6-7	.0	.8	6.7	10.7	7.5	3.6	2.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	6
8-9	.0	.0	2.4	5.6	3.6	2.8	2.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	7
10-11	.0	.0	.0	.4	.8	1.6	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	8
12-13	.0	.0	.0	.4	.0	.8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
>13	.0	.0	.0	.0	.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
INDET	.0	.8	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
TOTAL	2	16	72	66	46	28	14	3	5	0	0	0	0	0	0	0	0	0	0	0	292	5
PCT	.8	6.3	28.6	26.2	18.3	11.1	5.6	1.2	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.15 14.2H

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	3.9	2.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	94.1
SE	.0	2.5	.4	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.8	.4	92.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	33.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
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	.0	.0	.0
TOT PCT	.6	2.3	.3	.0	.0	.0	.0	3.2	3.2	.0	.0	.0	.6	.3	92.6
TOT OBS:	310														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	3.9	.0	.0	.0	.0	.0	3.9	6.6	.0	.0	.0	.0	.0	89.5
06009	1.1	3.4	1.1	.0	.0	.0	.0	5.6	1.1	.0	.0	.0	1.1	.0	92.1
12015	1.2	.0	.0	.0	.0	.0	.0	1.2	2.4	.0	.0	.0	.0	.0	96.4
18021	.0	1.6	.0	.0	.0	.0	.0	1.6	3.2	.0	.0	.0	1.6	1.6	91.9
TOT PCT	.6	2.3	.3	.0	.0	.0	.0	3.2	3.2	.0	.0	.0	.6	.3	92.6
TOT OBS:	311														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.2	*	.0	.0	.0	.3	6.6	.8	.0	.8	.0	.3	.0	.0	.0
E	.0	3.0	11.0	1.5	.0	.0	15.5	15.0	14.4	.0	15.0	16.4	17.3	20.0	15.7	12.5
SE	*	19.9	54.4	5.4	.0	.0	79.7	14.3	79.1	100.0	79.9	80.5	78.2	70.0	80.5	82.1
S	*	1.1	2.6	.5	.0	.0	4.2	14.8	5.8	.0	3.8	3.2	3.7	.0	3.8	5.4
SW	.0	.1	*	.0	.0	.0	.1	8.3	.0	.0	.0	.0	.5	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.5	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	252	704	76	0	0	1034	14.4	165	3	192	110	294	5	145	120
TOT PCT	.2	24.4	68.1	7.4	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	03	09	18		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.2	.1	*	.0	.0	.0	.3	6.6	.7	.0	.5	.3	.0
E	.6	8.5	6.3	.1	.0	.0	15.5	15.0	14.1	15.5	17.6	14.2	
SE	3.3	46.7	29.4	.3	.0	.0	79.7	14.3	79.5	80.1	78.1	81.2	
S	*	2.4	1.7	.0	.0	.0	4.2	14.8	5.7	3.6	3.6	4.5	
SW	.1	*	.0	.0	.0	.0	.1	8.3	.0	.0	.5	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.1	.0	.0	.0	.0	.0	.1	5.0	.0	.3	.0	.0	
VAR	.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	
TOT OBS	45	597	388	4	0	1034	14.4		168	302	299	263	
TOT PCT	4.4	57.7	37.5	.4	.0	100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00603	.0	.0	23.8	66.7	9.5	.0	.0	14.8	100.0	168
06609	.0	.7	26.2	64.2	8.9	.0	.0	14.5	100.0	302
12615	.0	.0	22.1	71.9	6.0	.0	.0	14.1	100.0	299
18621	.0	.0	25.3	69.1	5.7	.0	.0	14.3	100.0	265
TOT	0	2	252	704	76	0	0	14.4		1034
PCT	.0	.2	24.4	68.1	7.4	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.6	.2	.0	.0	.0	3.3
E	4.6	2.8	6.4	4.9		5.0
SE	9.4	15.7	27.3	23.9		5.5
S	.6	.3	1.0	.8		5.1
SW	.0	.0	.2	.4		7.0
W	.0	.0	.0	.0		.0
NW	.4	.0	.0	.0		2.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	38	46	35	73	242	5.4
TOT PCT	15.7	19.0	35.1	30.2	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <4/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.8
E	.0	.0	1.1	1.3	4.2	2.3	.0	.0	.0	.0	.0	9.7
SE	.0	.0	.9	7.7	20.1	10.5	1.4	.4	.4	.8	.8	34.0
S	.0	.0	.0	.0	1.0	.6	.2	.0	.0	.0	.0	.9
SW	.0	.0	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.4
VAR	.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
TOT OBS	0	0	5	23	62	33	4	1	1	2	111	242
TOT PCT	.0	.0	2.1	9.5	25.6	13.6	1.7	.4	.4	.8	45.9	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
>5000	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
>3500	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
>2000	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
>1000	41.2	42.8	42.8	42.8	42.8	42.8	42.8	42.8
>600	49.4	52.3	52.3	52.3	52.3	52.3	52.3	52.3
>300	51.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
>150	51.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
>0	51.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
TOTAL	124	132	132	132	132	132	132	132

TOTAL NUMBER OF OBS: 243

PCT FREQ NH <5/8: 45.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.0	7.0	11.6	11.6	10.5	8.5	13.6	8.5	23.6	.0	258

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PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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7.16 14.24

TABLE 8

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

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.3	1.3	.0	.0	.0	.0	.0	.0	.0	1.6
	NO PCP	.0	.0	1.4	7.9	.5	.3	.0	.0	.0	.0	.0	10.1
	TOT %	.0	.0	1.7	9.2	.5	.3	.0	.0	.0	.0	.0	11.7
10+	PCP	.0	.0	.7	1.0	.0	.0	.0	.0	.0	.0	.0	1.6
	NO PCP	.0	1.1	14.3	66.9	3.1	.2	.0	.3	.0	.0	.0	86.0
	TOT %	.0	1.1	15.0	67.9	3.1	.2	.0	.3	.0	.0	.0	87.6
TOT OBS													307
TOT PCT		.0	1.1	16.7	77.8	3.6	.5	.0	.3	.0	.0	100.0	

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6
	22+	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6
	TOT %	.0	.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	.6
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	2.2	.0	.3	.0	.0	.0	.0	.0	2.5
	11-21	.0	.0	1.6	6.6	.5	.0	.0	.0	.0	.0	.0	8.7
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.6	8.7	.5	.3	.0	.0	.0	.0	.0	11.1
10+	0-3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
	4-10	.0	.6	4.5	21.4	.2	.0	.0	.3	.0	.0	.0	26.9
	11-21	.0	.2	9.8	43.6	2.5	.2	.0	.0	.0	.0	.0	56.2
	22+	.0	.0	.9	1.6	.3	.0	.0	.0	.0	.0	.0	2.8
	TOT %	.0	1.1	15.2	68.6	2.9	.2	.0	.3	.0	.0	.0	86.2
TOT OBS													323
TOT PCT		.0	1.1	16.8	77.9	3.4	.5	.0	.3	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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TABLE 10

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

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	12.3	24.6	10.5	3.5	1.8	.0	.0	52.6	47.4	57
06009	.0	.0	4.4	5.9	27.9	14.7	2.9	.0	1.5	1.5	58.8	41.2	68
12015	.0	.0	2.8	8.3	25.0	13.9	.0	.0	.0	1.4	51.4	48.6	72
18021	.0	.0	.0	11.3	20.8	19.1	.0	.0	.0	.0	47.2	52.8	53
TOT	0	0	5	23	62	34	4	1	1	2	132	118	250
PCT	.0	.0	2.0	9.2	24.8	13.6	1.6	.4	.4	.8	52.8	47.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	.0	.0	.0	15.8	84.2	76
06009	.0	.0	1.1	.0	11.7	87.2	94
12015	.0	.0	.0	.0	9.7	94.3	87
18021	.0	.0	1.9	.0	11.9	86.6	67
TOT	0	0	2	0	36	286	324
PCT	.0	.0	.6	.0	11.1	88.3	100.0

TABLE 12

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

HR	<150	<600	<1000	1000+	NM <5/8	TOTAL
(GMT)	<50VD	<1	<5	AND5+	AND 5+	OBS
00003	.0	.0	12.7	41.8	45.5	55
06009	.0	4.5	10.6	50.0	59.4	66
12015	.0	2.9	11.4	41.4	47.1	70
18021	.0	.0	11.5	36.5	51.9	52
TOT	0	5	28	104	111	249
PCT	.0	2.1	11.5	42.8	45.7	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	PCT
									OBS	FREQ
85/99	.0	.0	.0	.3	.3	.0	.0	.0	2	.7
80/84	.0	.0	.0	.0	.7	2.4	.3	.0	10	3.5
75/79	.0	.0	.0	.7	4.2	25.1	9.1	3.1	121	42.2
70/74	.0	.0	.0	.9	1.0	22.0	23.7	6.6	154	53.7
TOTAL	0	0	0	4	18	142	95	28	287	100.0
PCT	.0	.0	.0	1.4	6.3	49.5	33.1	9.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/99	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
80/84	.0	.1	1.5	1.9	.0	.0	.0	.0	.0	.0
75/79	.0	.3	7.3	32.3	1.9	.3	.0	.0	.0	.0
70/74	.0	.9	7.8	42.9	1.6	.2	.0	.3	.0	.0
TOT	.0	1.2	16.6	77.8	3.5	.5	.0	.3	.0	.0

TABLE 15

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

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	76	75	75	74	70	66	65	73.3	161
06009	79	77	76	73	70	69	66	73.3	289
12015	87	82	80	76	73	72	70	76.5	291
18021	83	80	78	75	72	69	66	74.7	246
TOT	87	81	79	74	71	69	65	74.6	987

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	1.4	2.8	44.4	34.7	16.7			81	72
06009	.0	.0	2.5	45.7	39.5	12.3			80	81
12015	.0	2.6	13.2	53.9	25.0	5.3			76	76
18021	.0	1.7	8.5	54.2	32.2	3.4			77	59
TOT	0	4	19	142	95	28			79	288

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.13 14.2W

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	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	WD FPG
11/13	.0	.0	.0	.0	.3	1	.0	.3
9/10	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.0	.3	.7	.0	3	.0	1.0
6	.0	.0	1.4	.0	.0	4	.0	1.4
5	.0	1.0	.7	.0	.0	5	.0	1.7
4	.0	.7	2.1	.0	.0	8	.0	2.8
3	.3	1.7	3.4	.0	.0	16	.0	5.5
2	.0	2.4	4.1	.0	.0	19	.0	6.6
1	.0	6.6	2.4	.0	.0	26	.0	9.0
0	.3	15.2	2.1	.0	.0	51	.0	17.6
-1	1.0	13.4	.7	.0	.0	44	.0	15.2
-2	3.4	11.7	.3	.0	.0	45	.0	15.5
-3	2.4	8.3	.0	.0	.0	31	.0	10.7
-4	4.8	2.8	.7	.0	.0	24	.0	8.3
-5	2.4	.3	.0	.0	.0	8	.0	2.8
-6	.7	.0	.0	.0	.0	2	.0	.7
-7/-8	.3	.3	.0	.0	.0	2	.0	.7
TOTAL	46	187	53	2	2	290	0	290
PCT	15.9	64.5	18.3	.7	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.5
5-6	.0	.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	.2	.0	.0	.0	.2
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.7	2.0	.0	.0	.0	5.8	.0	8.3	6.8	.0	.0	.0	.0	15.1
3-4	.0	2.0	6.6	1.0	.0	.0	10.0	.0	10.5	16.3	.7	.0	.0	.0	27.6
5-6	.0	.0	3.1	.0	.0	.0	3.1	.0	2.0	19.7	.0	.0	.0	.0	21.8
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	7.1	.0	.0	.0	.0	7.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.4	.0	.0	.0	2.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	5.8	12.8	1.4	.0	.0	19.9	.0	20.9	51.4	2.7	.0	.0	.0	75.0

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER
TABLE 18 (CONT)

AREA 0023 ASCENSION
7.15 14.2W

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

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7
5-6	.0	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.5	.0	.0	.0	.0	.5	.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	.0	.0	.0
10-11	.0	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	2.9	.7	.0	.0	.0	3.6	.0	.7	.0	.0	.0	.0	.0	.0	.7

HGT	M							PCT	NW							TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.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	.0	.0	.0
8-9	.0	.0	.0	.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	.0	.0	.0
12	.0	.0	.0	.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	.0	.0	.0
17-19	.0	.0	.0	.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	.0	.0	.0
23-25	.0	.0	.0	.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	.0	.0	.0
33-40	.0	.0	.0	.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	.0	.0	.0
49-60	.0	.0	.0	.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	.0	.0	.0
71-86	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	12.2	8.8	.0	.0	.0	21.1	.0
3-4	.0	13.6	23.1	2.0	.0	.0	38.8	.0
5-6	.0	2.0	25.2	.0	.0	.0	27.2	.0
7	.0	.0	8.8	.0	.0	.0	8.8	.0
8-9	.0	.0	.7	1.4	.0	.0	2.0	.0
10-11	.0	.0	.0	.7	.0	.0	.7	.0
12	.0	.0	.0	.7	.0	.0	.7	.0
13-16	.0	.0	.7	.0	.0	.0	.7	.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	.0	27.9	67.3	4.8	.0	.0	100.0	147

PERIOD: (OVER-ALL) 1951-1975

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	6.3	22.5	11.7	3.2	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	4
6-7	.0	.9	5.4	11.7	8.1	4.1	.0	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	6
8-9	.0	.0	2.3	4.5	4.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6
10-11	.0	.5	.0	1.4	.9	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
12-13	.0	.0	.5	.9	.0	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
>13	.0	.0	.0	.9	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDPT	.5	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
TOTAL	3	17	68	70	38	13	7	4	2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	222	5
PCT	1.4	7.7	30.6	31.5	17.1	5.9	3.2	1.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WQ PCPN	FGG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.9	.7	1.3	.0	.0	.0	.0	2.8	5.9	.0	.0	.0	.0	.0	91.3
SE	.7	.8	1.6	.0	.0	.0	.0	3.1	8.8	.0	.0	.0	.0	.0	96.1
S	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	.0	91.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	100.0
TOT PCT	.7	.7	1.5	.0	.0	.0	.0	2.9	2.4	.0	.0	.0	.0	.0	94.7
TOT OBS:	412														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WQ PCPN	FGG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.9	1.8	2.7	.0	.0	.0	.0	5.5	2.7	.0	.0	.0	.0	.0	91.8
06009	2.1	.0	2.1	.0	.0	.0	.0	4.2	2.1	.0	.0	.0	.0	.0	93.7
12015	.0	.0	1.0	.0	.0	.0	.0	1.0	1.9	.0	.0	.0	.0	.0	97.1
18021	.0	.9	.0	.0	.0	.0	.0	.9	2.8	.0	.0	.0	.0	.0	96.3
TOT PCT	.7	.7	1.4	.0	.0	.0	.0	2.9	2.4	.0	.0	.0	.0	.0	94.7
TOT OBS:	417														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	.1	.0	.0	.0	.2	12.5	.0	.0	.5	.0	.3	.0	.0	.0
NE	.0	.2	.2	.1	.0	.0	.5	13.1	.3	.0	.9	.5	1.0	.0	.0	.0
E	.0	3.5	16.0	1.5	.0	.0	21.0	15.0	23.8	.0	19.9	19.8	22.1	75.0	21.1	15.4
SE	.0	17.6	52.9	3.6	.0	.0	74.1	13.9	71.4	.0	73.3	75.2	72.5	25.0	74.4	79.7
S	.0	1.4	2.3	.4	.0	.0	4.1	13.5	4.4	.0	2.9	4.3	4.1	.0	4.6	4.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1						.1	.0	.0	.0	.5	.0	.0	.0	.0	.0
TOT OBS	1	270	846	66	0	0	1183	14.1	225	0	221	111	305	1	197	123
TOT PCT	.1	22.8	71.5	5.6	.0	.0	100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	03	06	12	18	21
N	.1	.2	.0	.0	.0	.0	.2	12.5	.0	.3	.3	.0	
NE	.1	.3	.1	.0	.0	.0	.5	13.1	.3	.8	1.0	.0	
E	.5	12.2	8.1	.1	.0	.0	21.0	15.0	23.8	19.9	22.3	75.0	18.9
SE	2.2	48.8	23.0	.1	.0	.0	74.1	13.9	71.4	73.3	75.3	72.5	76.4
S	.3	2.6	1.2	.0	.0	.0	4.1	13.5	4.4	3.5	4.1	.0	4.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1						.1	.0	.0	.3	.0	.0	.0
TOT OBS	38	758	384	3	0	1183	14.1		225	392	306	320	
TOT PCT	3.2	64.1	32.5	.3	.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	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0003	.0	.0	24.0	69.8	6.2	.0	.0	14.2	100.0	225	
0609	.3	.0	24.7	69.0	6.0	.0	.0	13.8	100.0	332	
1215	.0	.0	22.9	72.2	4.9	.0	.0	14.1	100.0	306	
1821	.0	.0	20.0	74.7	5.3	.0	.0	14.4	100.0	320	
TOT	.1	.0	27.0	84.6	6.6	.0	.0	14.1		1183	
PCT	.1	.0	22.8	71.5	5.6	.0	.0		100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	.3	.3	.1	.1	3.8	
E	3.7	3.3	12.5	8.5	5.7	
SE	7.2	10.8	29.9	19.9	5.7	
S	.3	.4	1.7	.3	5.3	
SW	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	
CALM	.3	.0	.0	.0	1.0	
TOT OBS	46	57	172	111	386	5.7
TOT PCT	11.9	14.8	44.6	28.8	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3000	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	
NE	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.5	
E	.0	.0	.5	2.7	8.2	7.4	.0	.0	.0	.1	9.1	
SE	.0	.3	.8	7.4	21.2	10.8	.8	1.4	.3	.4	24.9	
S	.0	.0	.0	.2	.4	.8	.0	.2	.0	.0	1.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
TOT OBS	0	1	5	40	116	74	3	6	1	2	138	386
TOT PCT	.0	.3	1.3	10.4	30.1	19.2	.8	1.6	.3	.5	35.8	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.8	.8	.8	.8	.8	.8	.8	.8
>5000	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
>3500	2.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>2000	21.1	21.9	22.7	22.7	22.7	22.7	22.7	22.7
>1000	47.2	49.5	52.3	52.3	52.3	52.3	52.3	52.3
>600	55.9	59.8	62.6	62.6	62.6	62.6	62.6	62.6
>300	57.2	61.1	63.9	63.9	63.9	63.9	63.9	63.9
>150	57.5	61.3	64.2	64.2	64.2	64.2	64.2	64.2
>0	57.5	61.3	64.2	64.2	64.2	64.2	64.2	64.2
TOTAL	223	238	249	249	249	249	249	249

TOTAL NUMBER OF OBS: 386

PCT FREQ NH <5/8: 35.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.5	7.9	5.9	8.1	10.1	10.1	17.5	13.6	23.2	.0	405

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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.7	1.8	.1	.0	.0	.0	.0	.0	.2	2.7
	TOT %	.0	.0	.7	2.1	.1	.0	.0	.0	.0	.0	.2	2.9
5<10	PCP	.0	.0	.4	.5	.0	.0	.0	.0	.0	.0	.0	1.0
	NO PCP	.2	.0	.4	2.8	.2	.0	.0	.0	.0	.0	.2	3.6
	TOT %	.2	.0	.8	3.3	.2	.0	.0	.0	.0	.0	.2	4.6
10+	PCP	.0	.0	.4	1.3	.0	.0	.0	.0	.0	.0	.0	1.7
	NO PCP	.2	.8	26.0	61.0	2.5	.0	.0	.0	.0	.0	.2	90.8
	TOT %	.2	.8	26.4	62.3	2.5	.0	.0	.0	.0	.0	.2	92.5
TOT OBS													412
TOT PCT		.5	.8	28.0	67.7	2.8	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3
	11-21	.0	.0	.5	1.6	.0	.0	.0	.0	.0	.0	.2	2.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.7	2.1	.1	.0	.0	.0	.0	.0	.0	2.9
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.2	.0	.2	1.1	.0	.0	.0	.0	.0	.0	.0	1.6
	11-21	.0	.0	.6	2.7	.2	.0	.0	.0	.0	.0	.0	3.4
	22+	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	TOT %	.2	.0	.8	4.0	.2	.0	.0	.0	.0	.0	.0	5.2
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
	4-10	.0	.3	4.1	14.5	1.2	.0	.0	.0	.0	.0	.2	20.1
	11-21	.2	.4	19.1	45.4	1.4	.0	.0	.0	.0	.0	.2	66.5
	22+	.0	.0	1.8	3.2	.0	.0	.0	.0	.0	.0	.0	5.0
	TOT %	.2	.7	24.9	63.1	2.7	.0	.0	.0	.0	.0	.2	91.9
TOT OBS													442
TOT PCT		.5	.7	26.4	69.2	2.9	.0	.0	.0	.0	.0	.2	100.0

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
0000	149	299	599	999	1999	3499	4999	6499	7999				
0000	.0	.0	1.9	14.6	32.0	15.5	1.9	1.9	.0	.0	68.0	32.0	103
0600	.0	1.1	1.1	18.2	34.1	19.3	.0	1.1	.0	.0	75.0	25.0	88
1200	.0	.0	1.0	5.1	28.3	23.2	1.0	1.0	1.0	1.0	61.6	38.4	99
1800	.0	.0	1.0	3.8	23.8	19.0	1.0	1.9	.0	1.0	51.4	48.6	105
TOT	0	1	5	40	116	76	4	6	1	2	251	144	395
PCT	.0	.3	1.3	10.1	29.4	19.2	1.0	1.5	.3	.5	63.5	36.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000	.0	.0	.0	4.3	6.0	89.7	117
0600	.0	.0	.0	4.8	6.7	88.6	105
1200	.0	.0	.0	1.8	4.5	93.7	111
1800	.0	.0	.0	.9	3.5	95.6	114
TOT	0	0	0	13	23	411	447
PCT	.0	.0	.0	2.9	5.1	91.9	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <3/8 AND 5+	TOTAL OBS
0000	.0	2.0	22.2	47.5	30.3	99
0600	.0	2.3	25.6	51.2	23.3	86
1200	.0	1.0	8.2	54.1	37.8	98
1800	.0	1.0	5.7	45.7	48.6	105
TOT	0	6	58	192	138	388
PCT	.0	1.5	14.9	49.5	35.6	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
85/89	.0	.0	.0	.3	.6	.3	.0	.0	4	1.3
80/84	.0	.0	.0	.6	1.9	1.6	.6	.0	15	4.7
75/79	.0	.0	.0	.6	10.3	21.3	7.8	4.7	143	44.8
70/74	.0	.0	.0	.3	4.1	14.4	20.1	10.0	156	48.9
65/69	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	6	54	120	92	47	319	100.0
PCT	.0	.0	.0	1.9	16.9	37.6	28.8	14.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0
80/84	.0	.0	1.3	3.3	.2	.0	.0	.0	.0	.0
75/79	.0	.5	11.6	31.5	.9	.0	.0	.0	.0	.3
70/74	.3	.5	13.6	33.2	1.3	.0	.0	.0	.0	.0
65/69	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0
TOTAL	.3	1.0	27.5	68.5	2.4	.0	.0	.0	.0	.3

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000	79	77	76	73	71	68	68	73.6	208
0600	86	79	76	74	71	68	67	73.5	309
1200	87	85	82	77	73	71	68	76.7	299
1800	90	85	79	75	72	70	69	75.3	302
TOT	90	84	80	74	71	69	67	74.9	1118

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000	.0	1.0	10.2	32.7	42.9	13.3	81	98		
0600	.0	1.5	4.5	29.9	35.8	28.4	83	67		
1200	.0	3.8	35.0	35.0	17.5	8.8	74	80		
1800	.0	2.5	16.5	54.4	15.2	11.4	77	79		
TOT	0	7	54	123	92	48	79	324		

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1859-1975

AREA 0023 ASCENSION
7.25 14.2W

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	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	% FOG
14/16	.0	.0	.0	.0	.0	.3	1	.0	.3
11/13	.0	.0	.0	.0	.3	.6	3	.0	.9
9/10	.0	.0	.0	.3	.9	.9	7	.0	2.1
7/8	.0	.0	.0	.3	.6	.0	3	.0	.9
6	.0	.0	.0	.6	.6	.0	4	.0	1.2
5	.0	.0	.3	2.1	.3	.0	9	.0	2.6
4	.0	.0	.9	2.6	.0	.0	12	.0	3.5
3	.0	.0	2.9	2.6	.3	.0	20	.0	5.9
2	.0	.3	3.2	2.6	.0	.0	21	.0	6.2
1	.0	.3	7.6	2.6	.0	.0	36	.0	10.6
0	.3	1.2	17.1	2.1	.0	.0	70	.0	20.6
-1	.0	1.8	17.9	.9	.0	.0	70	.0	20.6
-2	.0	2.1	7.6	.3	.0	.0	34	.0	10.0
-3	.0	2.6	3.5	.0	.0	.0	21	.0	6.2
-4	.3	2.9	1.5	.3	.0	.0	17	.0	5.0
-5	.0	2.1	.6	.0	.0	.0	9	.0	2.6
-6	.0	.6	.3	.0	.0	.0	3	.0	.9
TOTAL	2	47	216	59	10	6	340	0	34.0
PCT	.6	13.8	63.5	17.4	2.9	1.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.7	.0	.0	.0	.7
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
1-2	.0	1.3	6.6	.0	.0	.0	7.9	.0	3.1	5.9	.0	.0	.0	9.0
3-4	.0	2.9	10.1	.0	.0	.0	13.1	.0	15.4	23.2	.0	.0	.0	38.6
5-6	.0	.0	5.5	.0	.0	.0	5.5	.0	.7	7.2	.7	.0	.0	10.7
7	.0	.0	.6	.7	.0	.0	1.3	.0	.0	6.8	.7	.0	.0	7.5
8-9	.0	.0	.6	.0	.0	.0	.6	.0	.0	.2	.0	.0	.0	.2
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	.0	4.2	23.3	.7	.0	.0	28.3	.0	20.0	45.2	1.5	.0	.0	66.7

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.3	1.3	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0
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	.0	2.2	1.3	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.7	.7	.0	.0	.0	.0	1.5	
1-2	.0	5.1	12.5	.0	.0	.0	17.6	
3-4	.0	19.9	34.6	.0	.0	.0	54.4	
5-6	.0	.7	14.7	.7	.0	.0	16.2	
7	.0	.0	8.1	1.5	.0	.0	9.6	
8-9	.0	.0	.7	.0	.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	.7	26.5	70.6	2.2	.0	.0	100.0	136

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	31.7	22.6	6.5	4.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	226	3
6-7	.0	.0	4.7	7.9	8.8	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	6
8-9	.0	.3	1.2	1.8	.6	.6	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	5
10-11	.0	.0	.3	.6	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
12-13	.0	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
>13	.0	.0	.0	.3	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
INDET	.0	.3	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
TOTAL	1	110	101	60	54	11	3	0	1	0	0	0	0	0	0	0	0	0	0	0	341	4
PCT	.3	32.3	29.6	17.6	15.8	3.2	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

AREA 0023 ASCENSION
7.25 14.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.3	.0	.0	.0	.0	.0	1.3	2.6	.0	.0	.0	.0	.0	96.1
SE	.4	1.4	1.9	.0	.0	.0	.0	3.7	.6	.0	.0	.0	.0	.0	95.7
S	.0	7.9	.0	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	92.1
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	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.3	2.0	1.4	.0	.0	.0	.0	3.8	.9	.0	.0	.0	.0	.0	95.4
TOT OBS	346														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	.0	1.3	1.3	.0	.0	.0	.0	2.5	1.3	.0	.0	.0	.0	.0	96.2
0600Z	.0	1.1	3.4	.0	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	95.4
1201Z	.0	4.6	.0	.0	.0	.0	.0	4.6	2.3	.0	.0	.0	.0	.0	93.1
1802Z	1.1	1.1	1.1	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	96.8
TOT PCT	.3	2.0	1.4	.0	.0	.0	.0	3.7	.9	.0	.0	.0	.0	.0	95.4
TOT OBS	347														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.0	.1	.0	.0	.0	.1	14.0	.0	.0	.0	.0	.2	.0	.0	.0
NE	.0	.1	.1	.0	.0	.0	.1	10.0	.0	.0	.7	.1	.0	.0	.0	.0
E	.0	3.6	9.4	1.0	.0	.0	13.9	14.3	16.3	.0	13.8	11.6	13.6	.0	15.3	12.1
SE	.2	16.2	58.4	3.2	.0	.0	78.0	14.0	77.0	.0	78.2	78.0	77.9	.0	78.1	78.8
S	.0	2.4	4.8	.2	.0	.0	7.4	13.0	6.3	.0	7.2	9.7	7.3	.0	6.2	9.1
SW	.0	.1	.0	.0	.0	.0	.1	3.0	.0	.0	.0	.0	.0	.0	.5	.0
W	.0	.1	.1	.0	.0	.0	.2	11.5	.0	.0	.4	.0	.3	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.0	.0	.0	.0	.3	.0	.3	.0	.4	.0	.7	.0	.0	.0
TOT OBS	7	251	942	56	0	0	1296	13.9	216	0	237	134	306	0	221	182
TOT PCT	.5	22.2	72.7	4.3	.0	.0	100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.0	.1	.0	.0	.0	.1	14.0	.0	.0	.2	.0	
NE	.0	.1	.0	.0	.0	.1	10.0	.0	.3	.1	.0	
E	.8	7.7	5.3	.2	.0	13.9	14.3	16.3	13.0	13.6	13.8	
SE	2.5	30.6	24.6	.3	.0	78.0	14.0	77.0	78.1	77.9	78.4	
S	.3	5.2	1.9	.1	.0	7.4	13.0	6.3	8.1	7.3	7.5	
SW	.1	.0	.0	.0	.0	.1	3.0	.0	.0	.0	.2	
W	.0	.2	.0	.0	.0	.2	11.5	.0	.3	.3	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3	.0	.0	.0	.0	.3	.0	.3	.3	.7	.0	
TOT OBS	52	826	411	7	0	1296	13.9	216	371	306	403	
TOT PCT	4.0	63.7	31.7	.3	.0	100.0		100.0	100.0	100.0	100.0	

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PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00603	.5	.5	21.3	72.7	5.1	.0	.0	13.9	100.0	216	
06609	.3	.3	26.1	68.5	4.9	.0	.0	13.7	100.0	371	
12615	.7	.0	20.6	75.5	3.3	.0	.0	13.9	100.0	306	
18621	.0	.2	21.1	74.4	4.2	.0	.0	14.1	100.0	403	
TOT	.4	.3	29.1	94.2	5.6	.0	.0	13.9		1296	
PCT	.3	.2	22.5	72.7	4.3	.0	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.1		8.0
E	1.3	4.1	6.8	6.8		6.0
SE	11.7	9.6	32.3	22.0		5.7
S	.5	.5	1.2	.8		5.6
SW	.0	.0	.0	.3		8.0
W	.0	.0	.0	.3		8.0
NH	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.7	.0	.0	.7		4.7
TOT OBS	42	42	119	93	286	5.7
TOT PCT	14.2	14.2	40.2	31.4	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.3	.5	2.5	5.6	2.7	.5	.0	.2	.0	.0	.0	6.8
SE	.3	.4	1.9	9.6	22.3	8.6	3.4	1.0	.2	.3	.0	.0	27.6
S	.0	.0	.0	.0	.8	.5	.7	.0	.0	.0	.0	.0	1.0
SW	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
NH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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	.0
TOT OBS	2	2	7	37	86	36	13	3	1	1	108		296
TOT PCT	.7	.7	2.4	12.5	29.1	12.2	4.4	1.0	.3	.3	36.5		100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0
>6500	.7	.7	.7	.7	.7	.7	.7	.7
>5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
>3500	5.8	6.1	6.1	6.1	6.1	6.1	6.1	6.1
>2000	16.7	18.4	18.4	18.4	18.4	18.4	18.4	18.4
>1000	44.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9
>600	56.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>300	57.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>150	58.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>0	58.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3
TOTAL	173	186	186	186	186	186	186	186

TOTAL NUMBER OF OBS: 294

PCT FREQ NH <5/8: 36.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	1.6	6.6	9.2	11.2	8.2	6.6	11.5	17.4	27.0	.7	304

PERIOD: (PRIMARY) 1863-1973
(OVER-ALL) 1854-1973

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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	
	ND 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	
	ND 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	
	ND 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	
	ND 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	1.9	.4	.0	.0	.0	.0	.0	.0	2.3
	ND PCP	.0	.0	1.0	9.0	2.2	.0	.3	.0	.0	.0	.0	12.5
	TOT %	.0	.0	1.0	10.9	2.6	.0	.3	.0	.0	.0	.0	14.8
10+	PCP	.2	.1	.2	.9	.0	.0	.0	.0	.0	.0	.0	1.4
	ND PCP	.0	.0	15.1	64.3	2.9	.3	.0	.0	.0	1.2	.0	83.8
	TOT %	.2	.1	15.4	65.2	2.9	.3	.0	.0	.0	1.2	.0	85.2
TOT OBS												345	
TOT PCT		.2	.1	16.4	76.1	5.5	.3	.3	.0	.0	1.2	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	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	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	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.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	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	2.0	1.7	.0	.3	.0	.0	.0	.0	3.9
	11-21	.0	.0	.8	9.0	.8	.0	.0	.0	.0	.0	.0	10.6
	22+	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.6
	TOT %	.0	.0	1.0	11.1	2.5	.0	.3	.0	.0	.0	.0	15.1
10+	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.1	.0	2.0
	4-10	.0	.0	5.0	16.7	1.2	.3	.0	.0	.0	.0	.0	23.2
	11-21	.2	.1	9.9	46.7	1.6	.0	.0	.0	.0	.0	.0	58.5
	22+	.0	.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	1.1
	TOT %	.2	.1	15.3	65.1	2.8	.3	.0	.0	.0	1.1	.0	84.9
TOT OBS												357	
TOT PCT		.2	.1	16.2	76.5	5.3	.3	.3	.0	.0	1.1	100.0	

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PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

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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	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.4	17.4	30.4	8.7	2.9	.0	1.4	1.4	63.8	36.2	69
06009	1.4	.0	4.1	13.7	34.2	9.6	6.8	1.4	.0	.0	71.2	28.8	73
12015	1.3	1.3	1.3	11.5	29.5	14.1	1.3	1.3	.0	.0	61.5	38.5	78
18021	.0	1.3	2.5	7.5	21.3	15.0	6.3	1.3	.0	.0	55.0	45.0	80
TOT	2	2	7	37	86	36	13	3	1	1	188	112	300
PCT	.7	.7	2.3	12.3	28.7	12.0	4.3	1.0	.3	.3	62.7	37.3	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	13.8	86.3	80
06009	.0	.0	.0	.0	21.5	78.5	93
12015	.0	.0	.0	.0	7.9	92.1	89
18021	.0	.0	.0	.0	17.7	82.3	96
TOT	0	0	0	0	55	303	358
PCT	.0	.0	.0	.0	15.4	84.6	100.0

TABLE 12

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

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	1.5	19.7	45.5	34.8	66
06009	1.4	5.6	19.7	52.1	28.2	71
12015	1.3	3.8	15.4	46.2	38.5	78
18021	.0	3.8	11.4	44.3	44.3	79
TOT	2	11	48	138	108	294
PCT	.7	3.7	16.3	46.9	36.7	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	.3	.3	.0	.0	.0	2	.7
85/89	.0	.0	.0	.0	1.3	.7	.3	.0	7	2.3
80/84	.0	.0	.0	1.1	3.3	1.0	.3	.0	18	6.0
75/79	.0	.0	.0	.7	5.7	30.7	16.0	4.7	173	57.7
70/74	.0	.0	.0	1.0	7.7	16.3	8.3	.0	100	33.3
TOTAL	0	0	0	3	28	127	101	40	300	100.0
PCT	.0	.0	.0	1.0	9.7	42.3	33.7	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.4	.3	.0	.0	.0	.0	.0
.0	.0	1.1	.9	.0	.0	.0	.0	.0	.0
.3	.1	.6	4.2	.6	.0	.0	.0	.0	.3
.0	.0	7.6	46.8	2.7	.0	.0	.0	.0	.7
.0	.0	7.5	22.7	2.8	.0	.3	.0	.0	.0
.3	.1	16.8	74.9	6.3	.0	.3	.0	.0	1.3

TABLE 15

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

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	79	78	77	74	72	68	68	74.3	211
06009	86	78	77	74	72	70	70	74.2	362
12015	90	86	82	77	73	72	70	77.3	300
18021	90	81	79	76	74	72	71	75.8	394
TOT	90	83	80	75	72	71	68	75.4	1267

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
00003	.0	.0	5.9	32.4	45.6	16.2	81	68		68
06009	.0	.0	2.7	27.0	47.3	23.0	63	74		74
12015	.0	1.3	21.1	51.3	19.7	6.6	76	76		76
18021	.0	2.4	8.4	55.4	24.1	9.6	78	83		83
TOT	0	3	27	127	101	41	79	301		301

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PERIOD: (PRIMARY) 1863-1975
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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	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TCT	W FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.7	.3	3	.0	1.0
9/10	.0	.0	.0	.0	.3	1.3	.0	5	.0	1.7
7/8	.0	.0	.0	.0	1.0	.0	.3	4	.0	1.3
6	.0	.0	.0	.7	.3	.0	.0	3	.0	1.0
5	.0	.0	.0	1.7	.3	.0	.0	6	.0	2.0
4	.0	.0	.0	3.3	.0	.0	.0	10	.0	3.3
3	.0	.0	1.3	2.6	.0	.3	.0	13	.0	4.3
2	.0	.3	1.7	3.3	.3	.0	.0	17	.0	5.6
1	.0	.0	3.0	7.3	.0	.0	.0	31	.0	10.3
0	.0	.0	11.9	4.6	.3	.0	.0	51	.0	16.9
-1	.0	.3	13.6	2.6	.0	.0	.0	50	.0	16.6
-2	.0	1.7	8.3	1.7	.0	.0	.0	35	.0	11.6
-3	.0	.7	9.3	.3	.0	.0	.0	31	.0	10.3
-4	.0	2.3	4.3	.3	.3	.0	.0	22	.0	7.3
-5	.0	.7	1.7	.3	.0	.0	.0	8	.0	2.6
-6	.0	2.0	.7	.3	.0	.0	.0	9	.0	3.0
-7/-8	.3	.3	.7	.0	.0	.0	.0	4	.0	1.3
TOTAL	1	25	170	88	9	7	2	302	0	302
PCT	.3	8.3	56.3	29.1	3.0	2.3	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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
TGT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	1.3	.0	.0	.0	5.1	1.7	7.2	9.9	.0	.0	.0	16.4
3-4	.0	3.2	4.3	.4	.0	.0	8.9	.0	6.5	22.8	.1	.0	.0	29.2
5-6	.0	3.6	4.0	.0	.0	.0	4.3	.0	2.8	18.5	1.1	.0	.0	22.5
7	.0	.0	.4	.6	.0	.0	1.0	.0	.0	4.2	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6
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
TGT PCT	.0	7.6	10.2	1.0	.0	.0	18.8	1.7	17.1	54.8	1.8	.0	.0	75.4

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6
1-2	.0	.8	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.4	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	1.3	1.7	.0	.0	.0	3.0	.0	.6	.0	.0	.0	.0	.0	.6

HGT	N						PCT	NW						PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	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	2.3	1.1	.0	.0	.0	.0	3.4	
1-2	1.7	11.9	10.7	.0	.0	.0	24.3	
3-4	.0	10.2	27.1	.6	.0	.0	37.9	
5-6	.0	3.4	23.7	1.1	.0	.0	28.2	
7	.0	.0	5.1	.6	.0	.0	5.6	
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	4.0	26.6	66.7	2.8	.0	.0	100.0	177

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	9.1	20.2	13.7	2.7	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	4
6-7	.0	1.5	10.6	8.4	8.4	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	5
8-9	.0	.4	3.0	3.4	4.9	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	6
10-11	.0	.4	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
12-13	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
>13	.0	.0	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
INDGT	1.5	.0	1.5	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	3
TOTAL	5	30	96	72	45	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	269	4
PCT	1.9	11.4	36.5	27.4	17.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.25 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	30.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	98.6
S	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.0	.8	.0	.0	.0	.0	.0	.8	1.1	.0	.0	.0	.0	.0	98.1
TOT OBS:	263														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06009	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	98.6
12015	.0	1.5	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	.0	97.1
18021	.0	1.5	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	.0	97.1
TOT PCT	.0	.8	.0	.0	.0	.0	.0	.8	1.1	.0	.0	.0	.0	.0	98.1
TOT OBS:	264														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.1	.1	.1	.0	.0	.0	.0	.2	8.4	.0	.0	.7	.3	.0	.0	.5	.0
E	.0	2.9	6.5	.2	.0	.0	.0	9.6	13.1	8.5	.0	11.1	11.8	12.7	.0	7.5	4.7
SE	.2	20.9	60.1	2.7	.0	.0	.0	63.9	13.5	85.5	100.0	82.9	82.0	80.2	100.0	87.0	87.3
S	.1	1.5	4.1	.4	.0	.0	.0	6.1	13.7	6.0	.0	5.2	6.0	6.7	.0	4.8	6.0
SW	.0	.0	.1	.0	.0	.0	.0	.1	18.0	.0	.0	.0	.0	.2	.0	.2	.0
W	.0	.0	.1	.0	.0	.0	.0	.1	13.0	.0	.0	.0	.0	.3	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.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	.0	.0	.0	.0	.0
TOT OBS	5	359	1002	46	0	0	1412		13.5	226	1	277	176	304	1	214	213
TOT PCT	.4	25.4	71.0	3.3	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	06	12	18		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.2	.0	.0	.0	.0	.2	8.4	.0	.0	.6	.0	.2
E	.4	5.9	2.2	.0	.0	.0	9.6	13.1	8.3	11.4	12.6	6.1	.0
SE	2.4	57.7	23.8	.1	.0	.0	63.9	13.5	85.5	82.6	80.2	87.2	.0
S	.2	4.1	1.7	.1	.0	.0	6.1	13.7	5.9	5.5	6.6	6.4	.0
SW	.0	.0	.1	.0	.0	.0	.1	18.0	.0	.0	.2	.1	.0
W	.0	.1	.0	.0	.0	.0	.1	13.0	.0	.0	.3	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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	.0
TOT OBS	44	974	392	2	0	1412		13.5	227	453	305	427	.0
TOT PCT	3.1	69.0	27.8	.1	.0	100.0			100.0	100.0	100.0	100.0	.0

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

APEA 0023 ASCENSION
7.25 14.2M

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00603	.0	.4	23.8	73.1	2.6	.0	.0	13.7	100.0	227	
06609	.0	.2	26.9	70.0	2.9	.0	.0	13.2	100.0	453	
12615	.0	.3	25.2	71.1	3.3	.0	.0	13.4	100.0	305	
18621	.0	.5	24.8	70.7	4.0	.0	.0	13.7	100.0	427	
TOT	0	5	359	1002	46	0	0	13.5		1412	
PCT	.0	.4	25.4	71.0	3.3	.0	.0	100.0			

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.4	.4	.0		5.5
E	3.4	5.9	4.6	4.3		4.9
SE	20.1	22.9	19.3	17.3		4.5
S	.3	.3	.8	.0		4.3
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	53	66	56	48	223	4.6
TOT PCT	23.8	29.6	25.1	21.5	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	3.0	3.6	.0	.0	.0	.0	.0	.0	11.5
.0	.0	.0	6.4	14.3	7.3	.9	.9	.9	.9	.0	48.8
.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.1
.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	21	40	18	2	2	2	2	.0	138
.0	.0	.0	9.4	17.9	8.1	.9	.9	.9	.9	.0	61.9
											223
											100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>8500	.9	.9	.9	.9	.9	.9	.9	.9
>5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>3500	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
>2000	10.4	10.8	10.8	10.8	10.8	10.8	10.8	10.8
>1000	27.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8
>600	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
>300	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
>150	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
>0	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
TOTAL	79	85	85	85	85	85	85	85

TOTAL NUMBER OF OBS: 222

PCT FREQ NH <5/8: 61.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL OBS
3.9	9.5	17.7	16.5	14.7	6.9	6.9	6.9	16.9	.0	231

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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7.25 14.2W

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
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	1.4	5.8	.4	.0	.0	.0	.0	.0	.0	7.6
	TOT %	.0	.0	1.4	5.8	.4	.0	.0	.0	.0	.0	.0	7.6
10+	PCP	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.8
	NO PCP	.0	.4	16.5	73.6	1.1	.0	.0	.0	.0	.0	.0	91.6
	TOT %	.0	.8	16.5	73.6	1.5	.0	.0	.0	.0	.0	.0	92.4
TOT OBS													263
TOT PCT		.0	.8	18.0	79.4	1.9	.0	.0	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.5	1.7	.0	.0	.0	.0	.0	.0	.0	2.2
	11-21	.0	.0	.9	3.8	.4	.0	.0	.0	.0	.0	.0	5.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.4	5.5	.4	.0	.0	.0	.0	.0	.0	7.2
10+	0-3	.0	.4	.0	.7	.4	.0	.0	.0	.0	.0	.0	1.4
	4-10	.0	.0	6.1	30.8	.8	.0	.0	.0	.0	.0	.0	37.7
	11-21	.0	.4	9.6	42.3	.3	.0	.0	.0	.0	.0	.0	52.5
	22+	.0	.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	1.1
	TOT %	.0	.7	15.9	74.6	1.4	.0	.0	.0	.0	.0	.0	92.8
TOT OBS													276
TOT PCT		.0	.7	17.3	80.2	1.8	.0	.0	.0	.0	.0	100.0	

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	6.8	13.6	11.4	.0	.0	2.3	.0	34.1	65.9	44
06009	.0	.0	.0	13.1	23.0	9.8	1.6	.0	1.6	.0	49.2	50.8	61
12015	.0	.0	.0	7.9	17.5	4.8	1.6	.0	.0	.0	31.7	68.3	63
18021	.0	.0	.0	8.2	14.8	6.6	.0	3.3	.0	.0	32.8	67.2	61
TOT	0	0	0	21	40	18	2	2	2	0	85	144	229
PCT	.0	.0	.0	9.2	17.5	7.9	.9	.9	.9	.0	37.1	62.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	7.3	92.7	55
06009	.0	.0	.0	.0	14.3	85.7	77
12015	.0	.0	.0	.0	4.2	95.8	71
18021	.0	.0	.0	.0	2.7	97.3	74
TOT	0	0	0	0	20	257	277
PCT	.0	.0	.0	.0	7.2	92.8	100.0

TABLE 12

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

HR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	7.1	28.6	64.3	42
06009	.0	.0	13.6	37.3	49.2	59
12015	.0	.0	8.3	25.0	66.7	60
18021	.0	.0	8.2	24.6	67.2	61
TOT	0	0	21	64	137	222
PCT	.0	.0	9.5	28.8	61.7	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	.0	.0	.4	.0	.0	.0	1	.4
90/94	.0	.0	.0	.4	.0	.0	.0	.0	1	.4
85/89	.0	.0	.0	.0	1.3	1.7	.0	.0	7	3.0
80/84	.0	.0	.0	.4	2.5	8.1	.8	.0	28	11.9
75/79	.0	.0	.0	.4	6.8	33.5	20.3	3.4	152	64.4
70/74	.0	.0	.0	.0	1.3	5.9	9.3	3.4	47	19.9
TOTAL	0	0	0	3	29	116	72	16	236	100.0
PCT	.0	.0	.0	1.3	12.3	49.2	30.5	6.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
85/89	.0	.0	1.3	1.7	.0	.0	.0	.0	.0	.0
80/84	.0	.4	2.6	7.7	1.1	.0	.0	.0	.0	.0
75/79	.0	.4	9.6	53.9	.4	.0	.0	.0	.0	.0
70/74	.0	.0	5.2	14.7	.0	.0	.0	.0	.0	.0
TOTAL	.0	.8	18.8	78.9	1.5	.0	.0	.0	.0	.0

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	79	78	75	72	70	68	75.0	206
06009	82	80	78	75	73	71	68	75.1	416
12015	95	87	84	78	74	73	72	78.3	295
18021	92	85	81	76	73	72	71	76.7	397
TOT	95	85	81	76	73	72	68	76.3	1314

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	6.3	33.3	52.1	8.3	80	48		
06009	.0	1.4	4.3	43.5	44.9	5.8	80	69		
12015	.0	3.3	19.7	63.9	8.2	4.9	74	61		
18021	.0	.0	18.6	54.2	18.6	6.3	76	59		
TOT	0	3	29	117	72	16	77	237		

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PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
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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	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	.4	1	.0	.4
14/16	.0	.0	.0	.0	.0	.4	.0	1	.0	.4
11/13	.0	.0	.0	.0	.4	.4	.0	2	.0	.8
9/10	.0	.0	.0	.4	.8	.0	.0	3	.0	1.2
7/8	.0	.0	.0	1.3	1.7	.0	.0	7	.0	2.9
6	.0	.0	.0	1.3	.4	.0	.0	4	.0	1.7
5	.0	.0	.0	.4	.0	.0	.0	1	.0	.4
4	.0	.4	1.3	.8	.0	.0	.0	6	.0	2.5
3	.0	.0	2.9	.8	.0	.0	.0	9	.0	3.8
2	.0	.8	3.3	.8	.0	.0	.0	12	.0	5.0
1	.0	4.6	8.8	.8	.0	.0	.0	34	.0	14.2
0	.0	7.9	3.3	.4	.0	.0	.0	28	.0	11.7
-1	.0	13.0	3.8	.0	.0	.0	.0	40	.0	16.7
-2	.4	10.5	2.5	.4	.0	.0	.0	33	.0	13.8
-3	.4	9.2	2.5	.0	.0	.0	.0	29	.0	12.1
-4	.4	5.4	.4	.0	.0	.0	.0	15	.0	6.3
-5	1.7	2.1	.4	.0	.0	.0	.0	10	.0	4.2
-6	.4	1.3	.0	.0	.0	.0	.0	4	.0	1.7
TOTAL	8	132	70	18	8	2	1	239	0	239
PCT	3.3	55.2	29.3	7.5	3.3	.8	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	.0	1.9
1-2	.0	2.8	1.9	.0	.0	.0	4.7	.0	12.3	4.7	.0	.0	.0	.0	17.0
3-4	.0	1.7	5.6	.0	.0	.0	8.3	.0	11.6	24.5	.9	.0	.0	.0	37.0
5-6	.0	.0	2.8	.0	.0	.0	2.8	.0	1.9	20.8	.9	.0	.0	.0	23.6
7	.0	.0	.0	.7	.0	.0	.7	.0	.9	.9	.2	.0	.0	.0	2.1
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	4.5	11.3	.7	.0	.0	16.5	.9	27.6	50.9	2.1	.0	.0	.0	81.6

TABLE 18 (CONT)

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

HGT	S							SW							PCT	TOTAL PCT
	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	.0	
1-2	.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.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	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	

HGT	W							NW							PCT	TOTAL PCT
	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	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.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	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	1.9	.9	.0	.0	.0	.0	2.8	
1-2	.9	15.1	6.6	.0	.0	.0	22.6	
3-4	.0	13.2	31.1	.9	.0	.0	45.3	
5-6	.0	1.9	23.6	.9	.0	.0	26.4	
7	.0	.9	.9	.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	.3	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.8	32.1	62.3	2.8	.0	.0	100.0	106

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	.0	9.7	30.3	8.6	5.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	103	4
4-7	.5	.5	11.4	8.1	7.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	5
8-9	.0	.5	2.7	3.2	3.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	5
10-11	.0	.0	1.1	.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
INDET	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
TOTAL	1	20	86	40	33	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	185	4
PCT	.5	10.8	46.5	21.6	17.8	2.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1962-1976
(OVER-ALL) 1954-1976

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7.25 14.24

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	8.3	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	50.0
NE	5.6	12.5	.0	.0	.0	.0	.0	18.1	5.6	5.6	.0	.0	.0	.0	68.1
E	.5	.7	.5	.0	.0	.0	.0	1.7	1.8	*	.1	.0	.3	.0	96.0
SE	.2	1.1	.5	.0	.0	.0	.0	1.8	1.6	*	.0	.0	.1	*	96.4
S	1.2	3.2	.0	.0	.0	.0	.0	4.4	.7	.0	.0	.0	.0	.0	94.9
SW	8.3	.0	.0	.0	.0	.0	.0	8.3	13.9	.0	.0	.0	.0	.0	52.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	47.2
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	.0	.0	.0	.0	.0	58.3
TOT PCT	.4	1.1	.5	.0	.0	.0	.0	1.9	1.7	.1	*	.0	.2	*	96.1
TOT OBS:	3877														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.3	1.4	.7	.0	.0	.0	.0	2.3	2.6	.1	.0	.0	.1	.0	94.8
06009	.5	1.2	.7	.0	.0	.0	.0	2.4	1.5	.1	.1	.0	.1	.0	95.9
12015	.4	1.0	.3	.0	.0	.0	.0	1.5	1.7	.0	.0	.0	.2	.0	96.5
18021	.2	.7	.3	.0	.0	.0	.0	1.3	1.2	.0	.0	.0	.2	.1	97.2
TOT PCT	.4	1.1	.5	.0	.0	.0	.0	1.9	1.7	.1	*	.0	.2	*	96.1
TOT OBS:	3902														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)					48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47					00	03	06	09	12	15	18
N	*	*	*	*	.0	.0	.1	7.9	.0	.0	.1	*	.2	.0	.1	.0
NE	*	.2	.2	*	.0	.0	.4	10.5	.4	.0	.5	.5	.5	1.4	.2	.5
E	.1	4.3	10.6	1.0	*	.0	15.9	13.7	16.8	11.6	15.7	14.7	17.3	17.1	15.4	13.5
SE	.3	20.6	52.6	4.0	*	.0	77.5	13.7	77.0	33.0	77.4	78.1	76.4	64.9	78.7	79.2
S	.1	1.8	3.5	.3	.0	.0	5.6	13.2	5.5	.0	5.7	6.6	5.1	.0	5.0	6.7
SW	*	*	*	.0	.0	.0	.1	8.1	.0	.0	.1	.1	.2	.0	.2	*
W	.0	*	*	.0	.0	.0	*	4.2	*	.0	.1	.0	.1	.0	.1	.0
NW	.0	.1	*	*	.0	.0	.1	3.8	*	.0	.1	.1	.1	.0	.1	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1						.1	.0	.2	.0	.3	.0	.1	.0	.1	.0
TOT OBS						15443		13.7	2301	19	2866	1640	4090	23	2267	2037
TOT PCT	.7	27.0	67.0	5.3	*	.0	100.0		100.0	66.7	100.0	100.0	100.0	83.3	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	00					03	06	12	18
N	*	.1	*	.0	.0	.1	7.9	.0	.1	.2	*		
NE	.1	.3	.1	.0	.0	.4	10.5	.4	.5	.5	.4		
E	1.0	9.5	5.2	.1	.0	15.9	13.7	16.8	15.3	17.3	14.6		
SE	3.4	30.3	23.4	.4	.0	77.5	13.7	77.0	77.6	76.4	78.9		
S	.4	3.8	1.4	*	.0	5.6	13.2	5.5	6.1	5.1	5.8		
SW	*	.1	*	.0	.0	.1	8.1	.0	.1	.2	.1		
W	*	*	.0	.0	.0	*	4.2	*	.1	.1	*		
NW	*	*	*	.0	.0	.1	3.8	*	.1	.1	.1		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.1					.1	.0	.2	.2	.1	.1		
TOT OBS						15443		13.7	2320	4306	4113	4304	
TOT PCT	5.2	64.1	30.2	.5	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	.2	.6	26.6	66.5	6.0	*	.0	13.8	100.0	2520
06009	.2	.9	28.2	65.0	5.6	*	.0	13.5	100.0	4506
12015	.1	.4	26.7	67.9	4.9	.1	.0	13.7	100.0	4113
18021	.1	.3	26.2	68.5	4.9	*	.0	13.8	100.0	4304
TOT	.0	.0	.0	.0	.0	.0	.0	13.7		15443
PCT	.1	.5	27.0	67.0	5.3	*	.0	13.7	100.0	

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL OBS	MEAN CLOUD COVER
N	.1	.1	.1	.1		2.9
NE	.1	.1	.2	.1		4.3
E	6.2	6.7	6.0	3.1		4.2
SE	21.8	19.1	21.5	10.7		4.2
S	1.1	.7	1.2	.3		4.2
SW	*	.1	*	.1		3.1
W	.1	*	*	.1		1.7
NW	.1	.1	*	*		1.8
VAR	.0	.0	.0	.0		.0
CALM	.2	.1	.0	.1		1.1
TOT OBS					3250	4.2
TOT PCT	29.6	26.9	29.0	14.4	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	*	.0	.0	.0	.1	.0	.0	.0	.0	.1	
NE	*	.0	.0	*	.1	.1	.0	.0	.0	*	
E	.0	*	.3	1.6	3.1	1.7	.2	*	*	*	14.9
SE	21.8	19.1	21.5	10.7	4.2	1.1	.7	3.0	11.4	5.7	1.1
S	1.1	.7	1.2	.3	4.2	.0	.1	.6	.2	.1	*
SW	*	.1	*	.1	3.1	.0	.0	.0	.1	*	.0
W	.1	*	*	.1	1.7	.0	.0	.0	.0	*	.0
NW	.1	.1	*	*	1.8	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.1	.0	.1	1.1	.0	.0	.0	.0	.0	.0
TOT OBS											3250
TOT PCT	29.6	26.9	29.0	14.4	100.0	.1	.1	1.0	6.8	15.3	7.8
											1.4
											.6
											.2
											.3
											66.4
											100.0

TABLE 7

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

CEILING (FEET)	OR			VSBY (NM)				
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.5	.5	.5	.5	.5	.5	.5	.5
>5000	.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1
>3500	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
>2000	9.8	10.2	10.3	10.3	10.3	10.3	10.3	10.3
>1000	24.0	25.3	25.6	25.6	25.6	25.6	25.6	25.6
>600	30.1	31.9	32.3	32.3	32.3	32.3	32.3	32.3
>300	31.0	32.9	33.3	33.3	33.3	33.3	33.3	33.3
>150	31.0	33.1	33.4	33.4	33.4	33.4	33.4	33.4
>0	31.1	33.1	33.5	33.5	33.5	33.5	33.5	33.5

TOTAL NUMBER OF OBS: 3254

PCT FREQ NH <5/8: 66.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.4	13.4	18.8	17.1	11.7	7.0	6.3	6.9	11.3	.1	3402

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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TABLE 8

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

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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
	NO PCP	.0	.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	.0
	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
2<5	PCP	.0	*	*	*	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.1	.1	.3	*	.0	*	.0	.0	.0	.5	.5
	TOT %	.0	.1	.1	.3	*	.0	*	.0	.0	.0	.6	.6
5<10	PCP	.0	.0	.1	.7	.1	.0	.0	.0	.0	.0	.8	.8
	NO PCP	*	*	1.2	5.4	.8	*	*	*	.0	.2	7.7	7.7
	TOT %	*	*	1.4	6.0	.9	*	*	*	.0	.2	8.6	8.6
10+	PCP	*	*	.2	.6	.1	*	.0	.0	.0	.0	.9	.9
	NO PCP	.2	.4	19.6	65.9	3.0	.2	.1	.2	.0	.3	89.8	89.8
	TOT %	.2	.5	19.8	66.5	3.0	.2	.1	.2	.0	.3	90.8	90.8
TOT OBS													3869
TOT PCT		.2	.6	21.3	72.9	3.9	.3	.2	.2	.0	.5	100.0	

TABLE 9

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

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.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<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.1	.0	*	.0	.0	.0	.0	.1	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	.0	*	.0	.0	.0	.0	.1	.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.1	*	.2	.0	*	.0	.0	.0	.0	.3	.3
	11-21	.0	*	.1	.2	.0	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.1	.1	.3	*	.0	*	.0	.0	.0	.6	.6
5<10	0-3	.0	.0	.1	.2	.1	.0	.0	.0	.0	.1	.6	.6
	4-10	*	*	.5	2.0	.4	*	*	*	.0	.0	3.0	3.0
	11-21	.0	.0	.7	3.5	.3	.0	.0	.0	.0	.0	4.5	4.5
	22+	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.2	.2
	TOT %	*	*	1.3	5.9	.8	*	*	*	.0	.1	8.3	8.3
10+	0-3	*	.1	.1	.3	*	.0	.0	.0	.0	.3	1.0	1.0
	4-10	.1	.2	7.2	22.6	1.3	.1	.1	.2	.0	.0	31.7	31.7
	11-21	*	.2	11.4	42.5	1.6	.1	.0	*	.0	.0	55.8	55.8
	22+	*	*	.6	1.9	.1	.0	.0	.0	.0	.0	2.5	2.5
	TOT %	.2	.4	19.3	67.3	3.0	.2	.1	.2	.0	.3	91.0	91.0
TOT OBS													4092
TOT PCT		.2	.5	20.7	73.6	3.8	.2	.1	.2	.0	.5	100.0	

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TABLE 10

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

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.1	.0	.6	7.7	13.8	6.1	.9	.7	.3	.1	30.3	69.7	793
06009	.1	.2	2.0	8.1	18.0	7.7	1.9	.4	.3	.5	39.1	60.9	821
12015	.1	.1	.6	5.8	15.7	8.7	1.3	.3	.2	.2	33.3	66.7	938
18021	.0	.1	.6	4.9	11.7	8.1	1.4	.6	.1	.2	27.6	72.4	805
TOT													3357
PCT	.1	.1	1.0	6.6	14.9	7.7	1.4	.6	.2	.3	32.8	67.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.1	.5	7.8	91.7	926
06009	.0	.0	.1	.7	10.1	89.1	1083
12015	.0	.1	.1	.4	5.4	94.0	1096
18021	.0	.0	.1	.6	9.7	89.6	1012
TOT							4117
PCT	.0	*	.1	.6	8.3	91.0	100.0

TABLE 12

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

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.1	.8	9.3	22.0	68.7	761
06009	.1	2.4	11.4	28.9	59.7	796
12015	.1	1.0	7.2	26.6	66.2	914
18021	.0	.7	5.9	22.5	71.6	783
TOT						3254
PCT	.1	1.2	8.4	25.3	66.3	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		*
95/99	.0	.0	*	.0	.1	*	.0	.0		.1
90/94	.0	.0	.0	.3	.3	.1	.0	.0		.6
85/89	.0	.0	.1	.3	1.3	1.2	.3	*		3.2
80/84	.0	.0	.0	.6	6.1	13.0	5.5	1.2		26.3
75/79	.0	.0	.0	.4	6.0	26.4	14.5	4.0		51.2
70/74	.0	.0	.0	.1	1.0	6.0	7.8	3.5		18.5
65/69	.0	.0	.0	.0	.0	.0	*	*		.1
TOT-L									3434	100.0
PCT	.0	.0	.1	1.6	14.7	46.6	28.2	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
100/104	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
95/99	.0	.0	*	.1	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.1	.4	.1	*	.0	.0	.0	.0
85/89	.0	.0	.9	2.1	.2	.0	.0	.0	.0	*
80/84	.1	.2	5.4	19.1	1.2	*	.1	.2	.0	.1
75/79	.1	.3	10.9	37.4	1.9	.1	.1	.0	.0	.4
70/74	*	.1	4.1	13.5	.6	*	*	.1	.0	*
65/69	.0	.0	*	*	.0	.0	.0	.0	.0	.0
TOT-L										
PCT	.2	.6	21.4	72.7	3.9	.2	.2	.2	.0	.6

TABLE 15

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

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	86	80	79	76	74	71	65	76.3	2381
06009	90	81	79	76	74	72	66	76.5	4291
12015	100	87	84	79	76	74	68	79.5	4008
18021	99	85	81	77	75	73	66	77.9	4113
TOT	100	85	82	77	74	72	65	77.7	14793

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.4	5.6	46.3	35.9	11.8	80		811	
06009	.0	.4	8.5	42.6	38.5	12.1	80		889	
12015	.0	4.6	26.8	46.8	16.6	3.2	74		929	
18021	.0	1.4	19.2	51.2	21.5	6.7	76		828	
TOT	0	62	510	1607	969	305	77		3453	

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TABLE 17

PCT FRQ 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 HGG	WD FOG
23/25	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
17/19	.0	.0	.0	.0	.0	.0	.1	.1	2	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.1	.2	9	.0	.3
11/13	.0	.0	.0	.0	*	.4	.2	*	20	.0	.6
9/10	.0	.0	.0	.1	.1	.4	.2	*	29	.0	.8
7/8	.0	.0	.0	.1	.8	.7	.1	.0	57	.0	1.7
6	.0	.0	.0	.3	.6	.4	.0	.0	43	.0	1.3
5	.0	.0	.0	.7	.6	.3	*	.0	63	.0	1.8
4	.0	.0	.2	1.4	1.1	.4	.0	.0	108	.0	3.2
3	.0	*	.6	2.1	1.4	.4	.0	.0	134	.0	4.5
2	.0	.1	1.2	2.3	2.0	.3	.0	.0	203	.0	6.0
1	.0	.1	2.6	4.6	2.4	.1	.0	.0	323	*	9.6
0	*	.1	6.5	6.3	2.8	.1	.0	.0	546	.0	13.9
-1	.0	.3	7.5	7.7	2.2	.1	.0	.0	600	.0	17.7
-2	.0	.7	5.9	6.8	1.1	.0	.0	.0	489	.0	14.5
-3	.0	.7	4.4	4.3	.3	.0	.0	.0	330	.0	9.8
-4	*	1.1	3.0	2.2	.3	.0	.0	.0	224	.0	6.6
-5	.0	.6	1.4	1.1	.0	.0	.0	.0	108	.0	3.2
-6	.0	.3	.7	.3	.0	.0	.0	.0	44	.0	1.3
-7/-8	*	.3	.5	.1	.0	.0	.0	.0	31	.0	.9
-9/-10	.0	.1	.1	.1	.0	.0	.0	.0	6	.0	.2
-11/-13	.0	.1	.0	.0	.0	.0	.0	.0	2	.0	.1
TOTAL									3395		
PCT	.1	4.3	34.8	40.7	15.8	3.5	.6	.3	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

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

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
41	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
1-2	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.2	
3-4	.0	.1	.0	.1	.0	.0	.0	.0	*	*	*	.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	.1	.0	.1	.0	.0	.2	.1	.1	.2	*	.0	.0	.0	.4	

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
41	.0	.3	.0	.0	.0	.0	.3	.3	1.2	.1	.0	.0	.0	.0	1.3	
1-2	.1	4.3	2.8	.0	.0	.0	7.2	.2	9.0	6.5	.0	.0	.0	.0	15.7	
3-4	.0	3.1	6.5	.3	.0	.0	9.8	.0	9.1	20.9	.3	.0	.0	.0	30.2	
5-6	.0	.7	3.7	.1	.0	.0	4.5	.0	1.7	14.3	.6	.0	.0	.0	16.6	
7	.0	.1	1.3	.3	.0	.0	1.6	.0	.5	4.3	.8	.0	.0	.0	5.5	
8-9	.0	.0	.4	.1	.0	.0	.4	.0	.1	.8	.2	.0	.0	.0	1.1	
10-11	.0	.0	*	.0	.0	.0	*	.0	.0	.3	.1	.1	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1	
17-19	.0	.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	.1	.0	.0	.0	.0	.1	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.1	8.4	14.8	.7	.0	.0	24.0	.5	21.4	47.6	1.8	.1	.0	.0	71.4	

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.1	.6	.3	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.3	.4	.0	.0	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0	.0	.0	.1	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.1	1.0	1.7	.1	.0	.0	2.9	.0	.2	.0	.0	.0	.0	.0	.0	.2

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
1-2	.0	.2	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.1	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
5-6	.0	.0	.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	.0	.0	
8-9	.0	.0	.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	.0	.0	
12	.0	.0	.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	.0	.0	
17-19	.0	.0	.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	.0	.0	
23-25	.0	.0	.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	.0	.0	
33-40	.0	.0	.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	.0	.0	
49-60	.0	.0	.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	.0	.0	
71-86	.0	.0	.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	.0	.0	
TOT PCT	.0	.2	.0	.0	.0	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.3 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	1.1	1.7	.1	.0	.0	.0	2.8	
1-2	.4	14.4	9.6	.0	.0	.0	24.4	
3-4	.0	12.6	27.7	.6	.0	.0	40.9	
5-6	.0	2.4	18.7	.7	.0	.0	21.8	
7	.0	.5	6.1	.9	.0	.0	7.5	
8-9	.0	.1	1.2	.3	.0	.0	1.6	
10-11	.0	.0	.4	.2	.1	.0	.6	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.2	.0	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.1	.0	.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	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.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	31.7	64.1	2.7	.1	.0	100.0	1683

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	10.5	20.6	10.1	3.5	1.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1346	4
6-7	.*	.6	8.7	11.8	6.1	1.8	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	845	5
8-9	.*	.4	2.3	3.5	3.5	1.8	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	338	6
10-11	.0	.3	.8	.5	.8	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	6
12-13	.0	.0	.7	.5	.4	.1	.1	.*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	6
>13	.0	.0	.0	.6	.4	.3	.2	.*	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	8
INDET	.4	.5	1.0	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	4
TOTAL PCT	1.4	12.3	34.1	27.7	15.2	5.7	2.1	.7	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2891	5

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

APEA 0023 ASCENSION
7.25 14.2W

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	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	.0	0	.0
87/88	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	2	*
85/86	.0	.2	1.0	.9	.3	.2	.0	.0	.0	.0	.0	.0	32	.2
83/84	.4	2.0	6.2	9.6	6.0	1.1	.2	.3	.0	.2	.5	.2	315	2.4
81/82	3.4	17.5	39.9	44.0	32.3	13.4	2.4	.0	.7	1.1	.9	.9	1849	14.2
79/80	17.2	42.4	39.9	35.0	45.4	44.1	14.6	3.9	1.4	1.2	4.3	7.7	2958	22.7
77/78	36.3	29.8	11.3	8.7	14.4	32.0	40.1	19.7	11.2	8.4	18.2	28.1	2836	21.8
75/76	30.8	6.2	1.1	1.3	1.3	7.1	33.2	77.1	40.0	35.5	43.9	41.7	2958	22.7
73/74	8.7	1.2	.2	.3	.2	1.3	8.3	24.6	38.8	45.5	26.7	17.3	1710	13.1
71/72	1.0	.5	.1	.1	.0	.4	1.0	3.0	6.1	7.3	4.6	2.4	263	2.0
69/70	.9	.2	.3	.0	.0	.3	.3	1.3	.8	.7	.7	.5	61	.5
67/68	.5	.0	.0	.0	.0	.0	.0	.3	.5	.1	.1	.4	18	.1
65/66	.7	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.9	24	.2
63/64	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
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	1221	1207	1246	1270	1014	1116	1043	798	882	989	1100	1141	13027	100.0
MEAN	76.8	79.0	80.3	80.6	80.1	78.7	76.8	75.3	74.6	74.5	75.3	75.8	77.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1013		1013	1013	1013		1012	1010	1013	285
FEB	1013	1009	1012	1014	1013	1013	1011	1013	1013	362
MAR	1013	1013	1012	1014	1013	1011	1011	1014	1012	394
APR	1013	1012	1012	1013	1013	1011	1011	1012	1012	440
MAY	1014	1012	1013	1014	1014	1011	1013	1013	1014	383
JUN	1016	1013	1015	1016	1016	1013	1014	1015	1015	391
JUL	1017	1017	1015	1018	1017	1016	1015	1018	1016	410
AUG	1017		1016	1019	1017	1017	1015	1017	1017	393
SEP	1017	1015	1015	1017	1016	1015	1015	1016	1016	381
OCT	1016		1014	1016	1015	1014	1014	1015	1015	482
NOV	1014		1013	1015	1015		1013	1014	1014	366
DEC	1014	1014	1013	1013	1014	1012	1012	1011	1013	275
ANN	1015	1013	1014	1015	1015	1013	1013	1014	1014	4582
OBS	910	18	908	159	1539	22	865	141		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1005	1006	1009	1012	1013	1014	1016	1017	1018
FEB	1006	1008	1009	1011	1013	1014	1016	1018	1020
MAR	1006	1008	1009	1011	1012	1014	1016	1018	1020
APR	1005	1008	1009	1011	1013	1014	1015	1016	1019
MAY	1008	1009	1010	1012	1013	1015	1017	1018	1020
JUN	1004	1010	1012	1014	1015	1017	1018	1020	1023
JUL	1006	1012	1013	1015	1017	1018	1019	1021	1023
AUG	1010	1012	1014	1015	1016	1018	1020	1021	1023
SEP	1008	1011	1013	1015	1016	1017	1019	1020	1023
OCT	1008	1011	1012	1014	1015	1016	1018	1019	1024
NOV	1005	1009	1011	1013	1014	1015	1016	1018	1019
DEC	1004	1006	1009	1012	1013	1015	1016	1018	1022

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1857-1973

JANUARY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.0	15.0	8.3	.0	.0	.0	.0	35.3	2.3	9.0	1.5	.0	4.5	.0	53.4
NE	13.7	13.7	1.1	.0	.0	.0	.0	28.4	4.6	10.1	.4	.0	.4	.0	61.7
E	8.0	8.6	1.1	.0	.0	.0	.0	17.2	7.9	6.2	.9	.0	.0	.0	69.6
SE	2.4	8.2	.4	.0	.0	.0	.0	11.0	3.2	3.5	1.1	.0	.0	.0	81.6
S	2.6	11.2	.0	.0	.0	.0	.0	13.7	1.0	1.9	.6	.0	.0	.0	83.4
SW	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	84.6
W	.0	40.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8	.0	.0	.0	.0	.0	.0	4.8	9.5	.0	4.8	.0	.0	.0	81.0
TOT PCT	6.2	9.7	1.0	.0	.0	.0	.0	16.7	4.4	5.2	1.0	.0	.3	.0	74.2
TOT OBS:	699														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	5.7	7.0	1.3	.0	.0	.0	.0	13.9	3.2	8.9	.0	.0	.0	.0	76.6
0600	8.6	10.9	.9	.0	.0	.0	.0	20.0	3.6	7.3	1.4	.0	.5	.0	69.5
1200	8.0	11.9	.6	.0	.0	.0	.0	20.5	7.4	.6	.6	.0	.6	.0	71.0
1800	4.6	9.1	1.8	.0	.0	.0	.0	15.5	2.7	3.7	1.4	.0	.0	.0	78.1
TOT PCT	6.7	9.8	1.2	.0	.0	.0	.0	17.6	4.1	5.0	.9	.0	.3	.0	73.7
TOT OBS:	773														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FRFQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	1.4	2.5	.7	.1	.0	.0	4.7	6.6	5.6	6.0	3.3	4.5	4.0	4.5	5.1	5.3
NE	2.2	9.6	2.8	.1	.0	.0	14.7	7.8	13.6	14.2	13.7	15.3	16.8	14.7	14.1	16.5
E	3.5	16.6	3.4	.1	.0	.0	23.6	7.3	23.9	25.1	20.0	23.6	25.7	22.9	26.0	23.6
SE	3.0	26.1	9.4	.3	.0	.0	38.8	8.6	41.0	34.9	40.9	40.7	39.3	40.8	38.5	35.0
S	1.9	6.7	1.4	.*	.0	.0	10.0	7.0	6.9	10.9	12.1	10.3	7.2	8.7	8.8	11.3
SW	.3	.9	.*	.0	.0	.0	1.3	5.2	.4	.3	1.0	.9	1.3	2.0	1.7	1.0
W	.2	.6	.1	.0	.0	.0	.8	6.6	.4	1.2	1.3	.7	.7	1.0	.6	.4
NW	.2	.4	.2	.*	.0	.0	.9	7.3	2.1	.7	1.1	1.1	.3	.5	.8	.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.2						5.2	.0	6.0	5.8	6.7	3.0	4.7	4.9	4.4	6.0
TOT OBS	521	1847	525	18	0	0	2911	7.4	134	381	522	404	150	408	526	386
TOT PCT	17.9	63.4	18.0	.6	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.7	1.9	.1	.*	.0	4.7	6.6	5.9	3.8	4.4	5.2
NE	6.7	7.3	.2	.*	.0	14.7	7.8	14.1	14.4	15.3	15.1
E	11.5	11.5	.6	.*	.0	23.6	7.3	24.8	21.5	23.7	23.0
SE	13.8	23.0	2.0	.*	.0	38.8	8.6	36.5	40.8	40.4	37.0
S	3.4	4.3	.3	.0	.0	10.0	7.0	9.9	11.3	8.3	9.9
SW	1.0	.2	.0	.0	.0	1.3	5.2	1.1	.9	1.8	1.4
W	.4	.4	.*	.0	.0	.8	6.6	1.0	1.1	.9	.5
NW	.5	.3	.*	.0	.0	.9	7.3	1.1	1.1	.4	.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.2					5.2	.0	5.8	5.1	4.8	5.0
TOT OBS	1372	1422	115	2	0	2911	7.4	313	926	358	912
TOT PCT	47.1	48.8	4.0	.1	.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	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	5.8	14.4	62.5	16.9	.4	.0	.0	7.0	100.0	515
06009	5.1	13.2	64.1	16.7	.9	.0	.0	7.4	100.0	926
12015	4.8	9.7	62.2	22.6	.7	.0	.0	8.0	100.0	558
18021	5.0	13.3	64.0	17.2	.4	.0	.0	7.3	100.0	912
TOT	190	371	1847	525	18	0	0	7.4		2911
PCT	5.2	12.7	63.4	18.0	.6	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	2.1	4.1	6.6	4.7	5.5	
E	3.9	8.0	8.8	5.3	4.9	
SE	8.5	10.2	13.2	4.4	4.5	
S	1.8	2.2	4.0	.3	4.5	
SW	.0	.0	.5	.0	6.0	
W	.0	.0	.1	.0	7.0	
NH	.0	.9	.4	.1	6.1	
VAR	.0	.0	.0	.0	.0	
CALM	.8	1.0	2.0	1.0	4.8	
TOT OBS	69	104	152	71	386	
TOT PCT	17.4	26.3	38.4	17.9	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.0	.2	.2	.4	.8	.6	.3	.0	.0	.0	.0	1.3
NE	.0	.1	.6	2.1	3.2	.9	.8	.0	.0	.0	.0	9.2
E	.0	.3	.4	3.0	2.7	1.1	1.2	.0	.0	.0	.3	17.0
SE	.0	.0	.1	1.8	5.6	1.7	1.3	.3	.0	.0	.0	27.7
S	.0	.0	.0	1.6	.0	.3	.3	.0	.0	.0	.0	5.9
SW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
NH	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4
VAR	.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
TOT OBS	0	2	5	5	3	8	0	0	0	0	0	3.3
TOT PCT	.0	.5	1.3	9.6	12.9	5.3	3.8	.5	.0	1.0	65.2	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.7	.9	.9	.9	.9	.9	.9	.9
>5000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
>3300	4.4	5.5	5.5	5.5	5.5	5.8	5.8	5.8
>2000	8.5	11.5	11.8	11.8	11.8	12.0	12.0	12.0
>1000	17.5	23.7	24.7	25.3	25.3	25.6	25.6	25.6
>600	23.7	32.0	33.4	34.3	34.6	35.0	35.0	35.0
>300	24.2	33.4	34.8	35.7	35.9	36.4	36.4	36.4
>150	24.7	33.9	35.3	36.2	36.4	36.9	36.9	36.9
>0	24.7	33.9	35.3	36.2	36.4	36.9	36.9	36.9
TOTAL	107	147	153	157	158	160	160	160

TOTAL NUMBER OF OBS: 434

PCT FREQ NH <5/8: 63.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	TOTAL OBS
	4.1	10.5	14.6	18.5	14.2	9.7	9.0	6.2	13.1	463

TABLE 8

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

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.3	
1/2<1	PCP	.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.4	
	TOT %	.1	.8	.3	.1	.1	.0	.0	.0	.0	.0	1.3	
1<2	PCP	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	
2<5	PCP	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.4	.1	.3	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.2	.4	.2	.4	.0	.0	.0	.0	.0	.0	1.3	
5<10	PCP	1.4	3.1	2.9	3.1	1.4	.1	.1	.0	.0	.0	12.2	
	NO PCP	1.6	3.2	8.3	12.3	5.2	.3	.1	.0	.0	.7	31.8	
	TOT %	2.9	6.3	11.2	15.4	6.7	.4	.3	.0	.0	.7	43.9	
10+	PCP	.1	.8	.5	.9	.1	.0	.0	.0	.0	.1	2.6	
	NO PCP	1.4	8.0	11.9	21.2	4.4	.5	.1	.5	.0	2.1	30.1	
	TOT %	1.5	8.7	12.5	22.1	4.5	.5	.1	.5	.0	2.3	32.6	
TOT DBS												699	
TOT PCT		4.8	16.2	24.9	38.1	11.2	.9	.4	.5	.0	3.0	100.0	

TABLE 9

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

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<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	.0	.0	.1	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	0-3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.1	.0	*	*	.0	.0	.0	.0	.0	.2	
	11-21	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	.4	.1	*	*	.0	.0	.0	.0	.0	.6	
1<2	0-3	.0	.1	.0	*	*	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.2	*	.0	.0	*	.0	.0	.0	.2	
	11-21	.0	.0	.2	*	.0	.0	*	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.3	.1	*	.0	*	*	.0	.0	.6	
2<5	0-3	.1	.1	.1	*	.1	.0	*	*	.0	.1	.5	
	4-10	*	.2	.3	.6	.1	.0	.0	.1	.0	.1	1.3	
	11-21	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.5	.6	.8	.2	.0	*	.1	.1	.0	2.5	
5<10	0-3	.3	.5	1.2	.6	.7	*	.1	.1	.0	.5	4.0	
	4-10	1.2	3.4	5.2	6.9	2.6	.3	.3	.1	.0	.0	19.9	
	11-21	.3	.7	1.2	2.8	.3	.0	.0	.1	.0	.0	5.5	
	22+	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.3	
	TOT %	1.8	4.6	7.6	10.5	3.6	.3	.3	.3	.0	.5	29.7	
10+	0-3	.4	1.2	1.6	2.1	1.1	.2	.0	.2	.0	3.2	9.9	
	4-10	1.5	5.9	13.1	21.5	3.9	.8	.3	.5	.0	.0	47.5	
	11-21	.3	1.0	1.4	5.7	.3	.0	.0	.2	.0	.0	8.9	
	22+	*	*	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	2.3	8.1	16.1	29.3	5.4	1.0	.3	.9	.0	3.2	66.5	
TOT DBS												1500	
TOT PCT		4.4	13.6	24.9	40.8	9.2	1.3	.7	1.3	.0	3.8	100.0	

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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	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.0	7.1	11.2	7.1	4.1	.0	.0	.0	30.6	69.4	98
06009	.0	.0	.0	13.2	16.0	3.8	4.7	.0	.0	1.9	39.6	60.4	106
12015	.0	1.6	4.0	8.9	12.1	5.6	1.6	.8	.0	.8	35.5	64.5	124
18021	.0	.0	.0	7.5	13.3	7.5	6.7	.8	.0	.0	36.7	63.3	120
TOT	0	2	6	41	59	27	19	2	0	4	160	288	448
PCT	.0	.4	1.3	9.2	13.2	6.0	4.2	.4	.0	.9	35.7	64.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.3	.7	3.4	28.2	67.4	298
06009	.2	.8	.0	2.1	36.1	60.7	476
12015	.0	.9	.9	2.4	25.5	70.3	330
18021	.2	.2	.9	2.3	30.0	66.4	470
TOT	2	9	9	39	481	1034	1574
PCT	.1	.6	.6	2.5	30.6	65.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) 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
00003	.0	1.1	9.9	24.2	65.9	91
06009	.0	1.0	15.5	25.2	59.2	103
12015	.0	7.3	17.1	19.5	63.4	123
18021	.0	.9	11.1	26.5	62.4	117
TOT	0	12	59	103	272	434
PCT	.0	2.8	13.6	23.7	62.7	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	.0	.0	1.9	.7	.0	11	2.6
80/84	.0	.0	.0	.0	.2	19.5	28.9	4.2	225	52.8
75/79	.0	.0	.0	.0	.0	4.5	27.9	11.7	188	44.1
70/74	.0	.0	.0	.0	.0	.0	.0	.5	2	.5
TOTAL	0	0	0	0	1	110	245	70	426	100.0
PCT	.0	.0	.0	.0	.2	25.8	57.5	16.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.4	.3	.9	.8	.0	.0	.0	.0	.0	.2
80/84	1.1	9.5	12.2	21.8	5.0	.4	.0	.3	.0	2.6
75/79	1.9	6.9	11.8	17.3	3.8	.6	.1	.2	.0	1.4
70/74	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
TOTAL	3.3	16.7	25.4	39.8	8.9	.9	.1	.5	.0	4.2

TABLE 15

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

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	82	81	79	76	74	73	78.8	517
06009	84	82	81	79	76	74	67	78.7	928
12015	90	88	85	81	76	74	72	80.7	545
18021	89	87	84	80	76	74	69	80.1	894
TOT	90	86	83	79	76	74	67	79.5	2884

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
00003	.0	.0	.0	.0	.0	8.4	67.3	24.3	86	107
06009	.0	.0	.0	.0	.0	21.4	65.1	13.5	85	126
12015	.0	.0	.0	.0	.0	33.9	50.0	16.1	83	124
18021	.0	.0	.9	36.8	49.1	13.2	82	114	114	
TOT	0	0	1	120	272	78	84	471		

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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	% FOG	NO FOG
11/13	.0	.0	.0	.0	.0	.1	.0	1	.0	.1
9/10	.0	.0	.0	.0	.0	.1	.0	1	.0	.1
7/8	.0	.0	.0	.0	.0	.4	.0	3	.0	.4
6	.0	.0	.0	.0	.0	.3	.0	2	.0	.3
5	.0	.0	.0	.1	.0	.4	.1	5	.0	.7
4	.0	.0	.0	.1	.6	.4	.0	8	.0	1.2
3	.0	.0	.1	.6	1.6	.1	.0	17	.3	2.2
2	.0	.0	.0	.4	3.5	.3	.0	29	.0	4.2
1	.0	.0	.0	3.0	5.6	.3	.0	62	.0	8.9
0	.0	.0	.0	12.0	8.2	.0	.0	140	.4	19.7
-1	.0	.0	.4	25.1	2.7	.0	.0	196	.0	28.2
-2	.0	.0	.1	14.8	1.6	.0	.0	115	.0	16.6
-3	.0	.0	.7	6.2	.1	.0	.0	49	.0	7.1
-4	.0	.0	1.4	3.2	.4	.0	.0	35	.0	5.0
-5	.0	.0	1.6	.4	.0	.0	.0	14	.0	2.0
-6	.0	.0	.9	.3	.0	.0	.0	8	.0	1.2
-7/-8	.0	.0	.6	.4	.0	.0	.0	7	.1	.9
-9/-10	.0	.0	.1	.0	.0	.0	.0	1	.0	.1
-14/-16	.1	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL	1		42	169	18	1		694	.6	688
PCT	.1	.0	6.1	66.7	24.4	2.6	.1	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

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

HGT	N							NE						
	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	.9	.1	.9	.0	.0	.0	1.9
1-2	.3	.3	.3	.0	.0	.0	1.0	.7	6.9	.6	.0	.0	.0	8.1
3-4	.0	.3	.7	.0	.0	.0	1.0	.0	7.9	2.5	.0	.0	.0	10.4
5-6	.0	.8	.5	.0	.0	.0	1.3	.0	.9	.0	.0	.0	.0	.9
7	.0	.0	.3	.0	.0	.0	.3	.0	.0	.6	.0	.0	.0	.6
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	.3	1.5	1.8	.0	.0	.0	3.7	1.6	15.8	4.6	.0	.0	.0	22.0

HGT	E							SE						
	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	.5	.0	.0	.0	4.6	.6	3.0	.0	.0	.0	.0	3.6
1-2	.3	10.4	.5	.0	.0	.0	11.2	.6	8.4	2.3	.0	.0	.0	11.2
3-4	.0	3.8	1.3	.0	.0	.0	5.0	.0	12.4	6.5	.0	.0	.0	18.9
5-6	.0	1.9	.8	.0	.0	.0	2.8	.0	1.8	1.9	.0	.0	.0	3.8
7	.0	.0	.5	.0	.0	.0	.5	.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	1.1	19.3	3.4	.0	.0	.0	24.1	1.1	25.6	10.8	.0	.0	.0	37.5

PERIOD: (OVER-ALL) 1963-1973

JANUARY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.5	.5	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0		
1-2	.3	2.4	.5	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0		
3-4	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0		
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	.8	3.7	.5	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0		

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
5-6	.0	.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	.0		
8-9	.0	.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	.0		
12	.0	.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	.0		
17-19	.0	.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	.0		
23-25	.0	.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	.0		
33-40	.0	.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	.0		
49-60	.0	.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	.0		
71-86	.0	.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	.0		
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92.2		

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	6.9	1.3	.0	.0	.0	20.8	
1-2	3.5	27.7	3.9	.0	.0	.0	35.1	
3-4	.0	24.2	10.4	.0	.0	.0	34.6	
5-6	.0	5.2	3.0	.0	.0	.0	8.2	
7	.0	.0	1.3	.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	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	16.0	64.1	19.9	.0	.0	.0	100.0	231

PERIOD: (OVER-ALL) 1949-1973

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	1.9	11.7	13.0	5.4	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	3	
6-7	.0	1.3	7.6	10.5	2.5	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	5
8-9	.0	1.0	4.1	1.3	1.3	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	5
10-11	.0	1.0	.6	2.2	1.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
12-13	.0	.0	.3	.6	.0	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	6.0	4.8	7.3	6.3	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	3
TOTAL	25	62	104	83	25	13	3	0	0	0	0	0	0	0	0	0	0	0	0	0	315	4
PCT	7.9	19.7	33.0	26.3	7.9	4.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.1	14.7	.5	.0	.0	.0	.0	27.3	2.8	5.6	.5	.0	.0	.0	65.7
NE	7.3	13.2	1.3	.0	.0	.0	.0	21.6	4.8	6.8	1.9	.0	.0	.4	65.5
E	5.3	13.6	.5	.0	.0	.0	.0	19.4	3.4	7.2	3.5	.0	.4	.0	68.0
SE	7.8	8.3	.0	.0	.0	.0	.0	16.1	4.8	3.6	4.4	.0	.6	.0	72.7
S	12.3	2.7	.0	.0	.0	.0	.0	15.1	2.1	11.0	5.5	.0	.0	.0	70.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	16.3	.0	.0	.0	.0	.0	16.3	.0	12.2	4.1	.0	.0	.0	67.3
NW	15.4	6.0	.0	.0	.0	.0	.0	21.4	.0	1.7	1.7	.0	.0	.0	75.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8	9.5	4.8	.0	.0	.0	.0	19.0	4.8	9.5	.0	.0	.0	.0	66.7
TOT PCT	7.7	11.8	.7	.0	.0	.0	.0	20.2	3.8	6.3	2.8	.0	.2	.1	68.3
TOT OBS:	871														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	5.8	10.1	1.4	.0	.0	.0	.0	17.4	5.3	9.2	2.4	.0	.0	.0	67.6
06009	9.8	12.5	.0	.0	.0	.0	.0	22.3	2.7	9.8	2.7	.0	.4	.4	65.2
12015	7.3	13.7	.5	.0	.0	.0	.0	21.5	6.4	.5	1.8	.0	.0	.0	69.9
18021	8.2	10.8	1.4	.0	.0	.0	.0	20.4	2.2	5.4	2.9	.0	.4	.0	70.6
TOT PCT	7.9	11.8	.8	.0	.0	.0	.0	20.5	4.0	6.2	2.5	.0	.2	.1	68.4
TOT OBS:	961														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	3.1	7.7	1.5	.1	.0	.0	12.4	6.5	8.1	12.4	12.3	14.3	10.9	13.1	12.3	12.5
NE	4.5	19.8	4.6	*	.0	.0	29.0	7.4	24.2	28.6	26.9	29.2	35.6	30.2	28.6	30.2
E	3.7	15.1	3.1	.1	.0	.0	22.0	7.0	27.4	22.4	19.9	22.2	19.4	24.7	20.7	21.8
SE	2.7	14.0	3.3	*	.0	.0	20.0	7.4	24.8	17.8	22.1	20.5	21.4	19.1	20.9	16.5
S	1.2	3.2	.4	.0	.0	.0	4.8	6.0	6.8	5.1	4.7	3.0	5.2	3.8	5.9	5.1
SW	.4	.7	*	.0	.0	.0	1.1	4.7	.6	2.5	1.2	.4	.3	.8	1.2	1.2
W	.3	.8	.1	.0	.0	.0	1.1	5.6	.0	1.2	1.7	.9	.6	.4	1.8	1.1
NW	.7	1.4	.3	.0	.0	.0	2.5	6.0	2.4	2.1	1.9	3.1	2.8	2.0	2.7	2.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.1						7.1	.0	5.7	8.0	9.4	6.3	3.8	5.9	5.8	8.7
TOT OBS	688	1822	384	7	0	0	2901	6.5	158	376	501	381	160	392	532	401
TOT PCT	23.7	62.8	13.2	.2	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	06	12	18	
N	7.6	4.4	.4	.0	.0	12.4	6.5	11.1	13.2	12.5	12.4	
NE	13.4	14.9	.7	.0	.0	29.0	7.4	27.3	27.9	31.7	29.3	
E	12.1	9.2	.6	*	.0	22.0	7.0	23.9	20.9	23.2	21.2	
SE	9.9	9.7	.5	.0	.0	20.0	7.4	19.9	21.4	19.7	19.0	
S	3.1	1.7	*	.0	.0	4.8	6.0	5.6	4.0	4.2	5.6	
SW	1.0	.1	*	.0	.0	1.1	4.7	2.0	.9	.6	1.2	
W	.9	.3	*	.0	.0	1.1	5.6	.8	1.4	.5	1.5	
NW	1.7	.6	.1	.0	.0	2.5	6.0	2.2	2.4	2.3	2.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.1					7.1	.0	7.3	8.0	5.3	7.1	
TOT OBS	1645	1187	68	1	0	2901	6.5	534	882	552	933	
TOT PCT	56.7	40.9	2.3	*	.0	100.0		100.0	100.0	100.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.8N 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	7.3	16.5	62.7	13.3	.2	.0	.0	6.5	100.0	534
06009	8.0	16.6	62.8	12.4	.2	.0	.0	6.4	100.0	882
12015	5.3	14.9	63.2	16.5	.2	.0	.0	7.0	100.0	552
18021	7.1	17.9	62.6	12.1	.3	.0	.0	6.4	100.0	933
TOT	205	483	1822	384	7	0	0	6.5		2901
PCT	7.1	16.6	62.6	13.2	.2	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL	MEAN CLOUD COVER
N	1.3	2.1	3.5	2.6		5.2
NE	4.6	4.4	16.1	5.6		5.3
E	4.1	5.8	10.0	5.8		5.1
SE	5.0	6.1	5.8	4.7		4.5
S	.6	2.2	1.2	.5		4.1
SW	.1	.0	.1	.0		4.0
W	.0	.0	1.2	.2		7.0
NW	.1	.3	1.6	.7		6.2
VAR	.0	.0	.0	.0		.0
CALM	.7	.7	1.6	.5		4.8
TOT OBS	72	95	180	90	437	5.1
TOT PCT	16.5	21.7	41.2	20.6	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.6	.9	1.3	.4	.3	.0	.0	.0	6.1
.2	.0	.7	3.8	4.7	3.7	1.6	.2	.1	.2	.2	15.4
.0	.0	.5	2.7	3.8	2.2	1.2	.5	.2	.2	.2	14.5
.0	.0	.2	.5	1.9	2.6	.7	.0	.0	.1	.1	15.7
.0	.0	.0	.5	.2	.7	.0	.0	.0	.0	.0	3.2
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
.0	.0	.0	.0	.7	.0	.1	.2	.0	.0	.0	.4
.0	.0	.0	.3	.9	.2	.0	.0	.0	.0	.0	1.3
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.2	.9	.2	.0	.0	.0	.0	.0	2.1
1	0	6	38	61	48	18	5	1	2	257	437
.2	.0	1.4	8.7	14.0	11.0	4.1	1.1	.2	.5	58.3	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.4	.6	.6	.6	.6	.6	.6	.6
>5000	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
>3500	5.0	5.9	6.1	6.1	6.1	6.1	6.1	6.1
>2000	13.0	16.4	16.6	16.6	16.6	16.6	16.6	16.6
>1000	23.0	29.4	30.0	30.0	30.0	30.0	30.2	30.2
>600	29.1	38.6	39.4	39.4	39.4	39.4	39.6	39.6
>400	30.2	40.5	41.3	41.3	41.3	41.3	41.5	41.5
>150	30.2	40.5	41.3	41.3	41.3	41.3	41.5	41.5
>0	30.2	40.5	41.3	41.3	41.3	41.3	41.5	41.7
TOTAL	144	193	197	197	197	197	198	199

TOTAL NUMBER OF OBS: 477

PCT FREQ NH <5/8: 58.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.2	10.1	15.6	17.8	9.9	11.5	9.5	7.5	13.8	.2	506

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	.0
	NO PCP	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
	TOT %	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
1/2<1	PCP	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.1	.4	.9	.8	.2	.0	.1	.1	.0	.0	.0	2.5
	TOT %	.1	.5	1.1	.8	.2	.0	.1	.1	.0	.0	.0	2.8
1<2	PCP	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.7
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.8
2<5	PCP	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.5
	NO PCP	.2	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.7
	TOT %	.2	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.2
5<10	PCP	3.0	4.2	4.3	2.3	.6	.0	.2	.5	.0	.3	.0	15.4
	NO PCP	4.7	8.9	11.3	3.7	1.3	.2	.6	1.7	.0	.7	.0	33.1
	TOT %	7.7	13.0	15.6	6.0	1.9	.2	.9	2.2	.0	1.0	.0	48.6
10+	PCP	.4	1.6	1.1	.4	.0	.0	.0	.2	.0	.1	.0	3.8
	NO PCP	4.0	11.9	11.5	11.0	2.0	.1	.5	.9	.0	1.3	.0	43.2
	TOT %	4.4	13.5	12.7	11.4	2.0	.1	.5	1.1	.0	1.4	.0	47.0
TOT OBS													869
TOT PCT		12.3	27.8	29.8	18.3	4.2	.3	1.4	3.4	.0	2.4	.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	.0
	4-10	.1	.0	.1	.*	.0	.0	.0	.0	.0	.0	.0	.2
	11-21	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3
1/2<1	0-3	.0	.*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.*	.2	.5	.4	.1	.0	.*	.*	.0	.0	.0	1.3
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.*	.2	.6	.5	.1	.0	.*	.*	.0	.0	.0	1.5
1<2	0-3	.*	.*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.*	.2	.1	.1	.0	.0	.1	.1	.0	.0	.0	.5
	11-21	.0	.0	.0	.0	.0	.0	.*	.1	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.1	.2	.1	.1	.0	.0	.1	.1	.0	.0	.0	.7
2<5	0-3	.1	.2	.1	.*	.1	.0	.0	.1	.0	.4	.0	1.0
	4-10	.1	.7	.3	.4	.2	.1	.1	.0	.0	.0	.0	1.8
	11-21	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.4	.9	.5	.5	.3	.1	.1	.1	.0	.4	.0	3.3
5<10	0-3	1.6	2.3	2.3	.9	.6	.2	.2	.3	.0	1.4	.0	9.8
	4-10	3.2	4.9	6.1	3.4	1.6	.2	.3	.8	.0	.0	.0	20.0
	11-21	.5	1.4	1.4	.7	.2	.0	.0	.1	.0	.0	.0	4.4
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	5.4	8.6	9.8	5.0	1.9	.4	.5	1.2	.0	1.4	.0	34.2
10+	0-3	.9	1.8	2.2	1.9	.4	.2	.0	.2	.0	3.0	.0	10.8
	4-10	4.1	12.2	10.6	10.5	2.3	.5	.5	1.0	.0	.0	.0	41.6
	11-21	.7	2.9	1.7	1.9	.1	.0	.1	.1	.0	.0	.0	7.6
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	5.8	16.9	14.5	14.3	2.9	.7	.6	1.3	.0	3.0	.0	60.0
TOT OBS													1682
TOT PCT		11.6	27.0	25.6	20.5	5.2	1.2	1.3	2.7	.0	4.8	.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 10

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

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	.0	9.2	11.8	9.2	3.4	.8	.0	.8	35.3	64.7	119
06009	1.0	.0	1.0	7.2	9.3	9.3	5.2	2.1	.0	.0	35.1	64.9	97
12015	.0	.0	4.3	11.6	15.9	11.6	4.3	1.4	.0	.7	50.0	50.0	138
18021	.0	.0	1.5	8.1	14.7	10.3	4.4	.0	.7	.0	39.7	60.3	136
TOT	1	0	9	45	65	50	21	5	1	2	199	291	490
PCT	.2	.0	1.6	9.2	13.3	10.2	4.3	1.0	.2	.4	40.6	59.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	.0	2.0	.0	5.1	33.6	59.3	351
06009	.2	1.6	.8	2.4	40.0	53.0	505
12015	.3	.8	1.1	2.2	29.8	65.9	369
18021	.5	1.5	.7	3.3	35.2	58.8	548
TOT	5	26	12	56	623	1051	1773
PCT	.3	1.5	.7	3.2	35.1	59.3	100.0

TABLE 12

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

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	.0	10.2	26.3	63.6	118
06009	1.1	2.2	10.9	26.1	63.0	92
12015	.0	4.4	16.1	34.3	49.6	137
18021	.0	2.3	12.3	29.2	58.5	130
TOT	1	11	60	140	277	477
PCT	.2	2.3	12.6	29.4	58.1	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 DBS	PCT FREQ
85/89	.0	.0	.0	.0	.6	1.0	1.0	.2	14	2.9
80/84	.0	.0	.0	.0	.2	20.9	36.6	5.2	304	62.9
75/79	.0	.0	.0	.0	.2	2.1	19.5	12.2	164	34.0
70/74	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	0	0	0	9	116	276	86	483	100.0
PCT	.0	.0	.0	.0	1.0	24.0	57.1	17.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.5	1.2	.8	.5	.0	.0	.0	.0	.0	.0
80/84	7.3	19.6	15.2	13.6	2.6	.1	.7	1.4	.0	2.5
75/79	3.1	10.5	9.6	6.2	1.2	.1	.6	1.1	.0	1.7
70/74	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
TOTAL	10.9	31.2	25.6	20.4	3.8	.2	1.3	2.5	.0	4.1

TABLE 15

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

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	87	82	82	79	76	73	73	79.1	547
06009	85	83	82	79	76	73	70	79.0	891
12015	90	88	85	81	76	75	74	81.1	547
18021	89	88	85	80	76	75	73	80.5	936
TOT	90	86	84	80	76	74	70	79.9	2921

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	.0	15.0	59.1	26.0	86	127		
06009	.0	.0	.0	10.6	69.9	19.3	86	113		
12015	.0	.0	.7	28.9	53.7	16.8	83	149		
18021	.0	.0	2.8	41.4	43.4	12.4	81	145		
TOT	0	0	3	134	297	98	84	534		

PERIOD: (PRIMARY) 1909-1973
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AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 17

PCT FRQ 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	TOT	W FOG	NO FOG
7/8	.0	.0	.0	.2	.1	3	.0	.4
6	.0	.0	.1	.2	.0	3	.0	.4
5	.0	.0	.1	.4	.0	4	.0	.5
4	.0	.0	.6	.6	.0	10	.1	1.1
3	.0	.2	1.9	.4	.0	21	.2	2.3
2	.0	.1	5.0	.2	.0	45	.1	5.3
1	.0	1.0	8.5	.2	.0	81	.4	9.4
0	.0	9.1	10.1	.1	.0	161	1.1	18.3
-1	.0	17.5	5.9	.1	.0	196	.2	23.3
-2	.0	15.1	1.9	.0	.0	142	.7	16.3
-3	1.3	8.5	.6	.0	.0	87	.0	10.5
-4	.6	3.0	.6	.0	.0	35	.0	4.2
-5	1.7	1.6	.2	.0	.0	29	.0	3.5
-6	.1	.6	.0	.0	.0	6	.0	.7
-7/-8	.5	.5	.0	.0	.0	8	.0	1.0
-11/-13	.1	.0	.0	.0	.0	1	.0	.1
TOTAL	36	477	297	21	1	832	2.4	868
PCT	4.3	57.3	35.7	2.5	.1	100.0	2.9	97.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.7	.3	.0	.0	.0	.0	1.0	.7	.9	.0	.0	.0	.0	.0	1.7
1-2	.3	2.9	.3	.0	.0	.0	3.5	.2	12.4	.5	.0	.0	.0	.0	13.1
3-4	.0	2.8	.6	.0	.0	.0	3.4	.0	6.3	5.3	.0	.0	.0	.0	11.6
5-6	.0	.0	.6	.0	.0	.0	.6	.0	2.9	1.0	.0	.0	.0	.0	3.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.0	.0	.0	.0	.9
8-9	.3	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.1
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	6.0	1.3	.0	.0	.0	8.9	1.0	23.0	7.2	.0	.0	.0	.0	31.3

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.8	2.3	.0	.0	.0	.0	4.0	.6	.3	.0	.0	.0	.0	.0	.9
1-2	1.0	13.1	.7	.0	.0	.0	14.9	.9	9.6	1.4	.0	.0	.0	.0	12.0
3-4	.0	3.7	1.3	.0	.0	.0	5.1	.4	3.4	1.4	.0	.0	.0	.0	5.3
5-6	.0	.4	.7	.0	.0	.0	1.1	.0	1.2	1.3	.0	.0	.0	.0	2.6
7	.0	.3	.0	.0	.0	.0	.3	.0	.4	.1	.0	.0	.0	.0	.5
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	2.8	19.8	2.8	.0	.0	.0	25.4	2.0	15.0	4.3	.0	.0	.0	.0	21.3

PERIOD: (OVER-ALL) 1963-1973

FEBRUARY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.3	.3	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.3	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.4	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.3	.0	.0	.0	.3	.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	.3	3.6	.6	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	.0	.0	.8	1.3	.0	.0	.0	.0	.0	2.2
3-4	.0	.4	.0	.0	.0	.0	.4	.0	.6	.4	.0	.0	.0	.0	1.0
5-6	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.4	.0	.0	.0	.8	1.2	2.0	.4	.0	.0	.0	3.6	95.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	9.8	5.1	.0	.0	.0	.0	14.8	
1-2	4.7	39.5	3.1	.0	.0	.0	47.3	
3-4	.8	17.6	8.6	.0	.0	.0	27.0	
5-6	.0	4.7	3.9	.0	.0	.0	8.6	
7	.0	1.2	.8	.0	.0	.0	2.0	
8-9	.4	.0	.0	.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.6	68.0	16.4	.0	.0	.0	100.0	256

PERIOD: (OVER-ALL) 1949-1973

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	2.0	15.4	10.2	4.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	115	3
6-7	.0	.9	9.6	9.0	3.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	4
8-9	.0	.9	2.9	3.5	3.2	.3	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	5
10-11	.0	1.5	1.5	2.0	.0	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
12-13	.0	.0	.6	.6	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
>13	.0	.0	.0	1.5	.9	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	7
INDET	3.8	3.2	7.6	2.9	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	3
TOTAL	20	75	111	84	38	9	3	2	2	0	0	0	0	0	0	0	0	0	0	0	344	4
PCT	5.8	21.8	32.3	24.4	11.0	2.6	.9	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

MARCH

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	5.2	11.8	2.1	.0	.0	.0	.0	19.0	2.3	1.0	1.6	.0	.0	.0	76.2
NE	4.4	14.3	1.7	.0	.0	.0	.3	20.7	5.8	2.0	1.4	.0	.7	.0	69.7
E	7.8	16.1	1.7	.0	.0	.0	.0	24.6	4.4	2.0	.2	.0	.0	.0	69.3
SE	8.2	12.4	.3	.0	.0	.0	.0	20.9	4.4	4.0	1.3	.0	.0	.0	69.4
S	13.7	5.5	.0	.0	.0	.0	.0	19.2	.0	1.4	.0	.0	.0	.0	79.5
SW	17.9	.0	.0	.0	.0	.0	.0	17.9	.0	10.7	.0	.0	.0	.0	78.6
W	12.5	8.3	.0	.0	.0	.0	.0	20.8	.0	4.2	4.2	.0	.0	.0	70.8
NW	7.3	8.3	.0	.0	.0	.0	.0	13.9	4.9	.0	2.4	.0	.0	.0	76.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	3.0	6.1	.0	.0	.0	.0	9.1	9.1	3.0	.0	.0	3.0	.0	75.8
TOT PCT	6.5	12.8	1.3	.0	.0	.0	.1	20.7	4.3	2.3	1.1	.0	.3	.0	71.6
TOT OBS:	921														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	5.7	10.4	.9	.0	.0	.0	.5	17.5	4.7	3.3	.9	.0	.5	.0	73.0
0600Z	8.5	17.4	1.3	.0	.0	.0	.0	27.2	4.6	5.6	.0	.0	.0	.0	63.9
1201Z	6.9	11.2	1.7	.0	.0	.0	.0	19.8	3.4	.0	.9	.0	.9	.0	75.0
1802Z	8.5	11.8	1.0	.0	.0	.0	.0	21.3	4.9	2.0	.0	.0	.0	.0	70.2
TOT PCT	7.6	13.0	1.2	.0	.0	.0	.1	21.9	4.5	2.8	.9	.0	.3	.0	70.0
TOT OBS:	1053														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	2.5	8.8	2.6	.1	.0	.0	13.9	7.3	11.3	13.1	13.3	15.5	14.6	13.9	15.0	12.9
NE	3.9	20.4	6.3	.2	.0	.0	30.7	7.9	34.0	30.8	27.7	30.7	30.0	32.6	31.4	30.8
E	3.0	15.1	3.4	.1	.0	.0	21.5	7.4	21.3	20.3	21.6	20.6	23.8	21.7	22.7	21.1
SE	2.4	12.6	3.3	*	.0	.0	18.4	7.6	18.6	19.3	18.9	20.4	15.4	18.9	16.0	18.4
S	1.2	2.3	.3	.0	.0	.0	3.7	5.6	5.3	5.1	3.5	3.0	2.8	3.1	2.6	5.3
SW	.4	.9	.1	.0	.0	.0	1.4	5.9	1.2	1.6	2.3	.9	2.1	1.0	1.2	1.3
W	.5	.9	.1	.0	.0	.0	1.4	5.5	.6	1.2	1.1	1.1	2.7	.9	2.1	1.5
NW	.6	1.8	.1	.0	.0	.0	2.5	5.6	2.0	2.2	3.1	2.6	4.4	2.0	2.7	1.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.4						6.4	7.0	5.6	6.4	8.4	5.2	4.1	6.0	6.3	6.7
TOT OBS	668	2017	317	14	0	0	3216	7.0	161	424	560	445	169	432	384	421
TOT PCT	20.8	62.7	16.1	.4	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-6	7-16	17-27	28-40	41+					00	03	06	09	12	15	18
N	6.9	6.6	.4	.0	.0	.0	13.9	7.3	12.6	14.3	14.1	14.1				
NE	13.7	15.8	1.2	*	.0	.0	30.7	7.9	31.7	29.0	31.9	31.2				
E	10.5	10.2	.7	*	.0	.0	21.5	7.4	20.6	21.1	22.3	22.1				
SE	8.4	9.4	.5	.0	.0	.0	18.4	7.6	19.1	19.6	18.0	17.0				
S	2.5	1.2	*	.0	.0	.0	3.7	5.6	5.2	3.3	3.0	3.7				
SW	1.0	.4	*	.0	.0	.0	1.4	5.9	1.5	1.7	1.3	1.3				
W	.9	.5	.0	.0	.0	.0	1.4	5.5	1.0	1.1	1.4	1.8				
NW	1.7	.8	.0	.0	.0	.0	2.5	5.6	2.2	2.9	2.7	2.4				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CALM	6.4						6.4	7.0	6.2	7.0	5.5	6.5				
TOT OBS	1674	1446	94	2	0	3216	7.0		585	1005	621	1005				
TOT PCT	52.1	45.0	2.9	.1	.0	100.0			100.0	100.0	100.0	100.0				

MARCH

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			4R+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	6.2	16.1	63.8	13.3	.7	.0	.0	6.7	100.0	585
06009	7.0	15.2	61.6	15.8	.4	.0	.0	6.8	100.0	1005
12015	5.5	12.9	62.5	18.8	.3	.0	.0	7.3	100.0	621
18021	6.5	13.5	63.4	16.2	.4	.0	.0	7.1	100.0	1005
TOT	205	463	2017	517	14	0	0	7.0		3216
PCT	6.4	14.4	62.7	16.1	.4	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	6.7	10.6	12.3	5.8	4.7	4.7
E	3.3	6.2	7.6	3.3	4.8	4.8
SE	2.3	4.1	4.6	3.4	5.0	5.0
S	.6	.6	1.5	.5	3.0	3.0
SW	.1	.7	.6	.6	3.6	3.6
W	.3	.0	.9	.3	3.6	3.6
NW	.5	.5	1.2	.5	3.3	3.3
VAR	.0	.0	.0	.0	.0	.0
CALM	.9	1.1	3.0	.6	5.0	5.0
TOT OBS	81	127	177	84	469	4.9
TOT PCT	17.3	27.1	37.7	17.9	100.0	

TABLE 6

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

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.4	2.1	.9	.9	.5	.2	.0	.0	.0	9.9
NE	.0	.0	.3	2.9	4.5	1.7	1.7	.2	.0	.1	.1	24.1
E	.0	.0	.2	1.5	2.7	1.2	.4	.0	.0	.4	.4	13.8
SE	.0	.0	.1	1.2	1.7	1.3	.5	.0	.2	.2	.2	9.3
S	.0	.0	.0	.4	.2	.2	.3	.0	.1	.0	.1	2.0
SW	.0	.0	.0	.0	.1	.4	.3	.1	.1	.0	.1	1.0
W	.0	.0	.2	.2	.4	.0	.3	.1	.0	.0	.0	.3
NW	.0	.0	.0	.5	.2	.3	.0	.1	.0	.0	.0	1.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.6	.6	.4	.0	.0	.0	.0	.0	3.8
TOT OBS	0	0	5	44	53	20	3	2	3	3	309	469
TOT PCT	.0	.0	1.1	9.4	11.3	6.4	4.3	.6	.4	.6	65.9	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >5000	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
= OR >3500	5.0	6.3	6.3	6.5	6.5	6.5	6.5	6.5
= OR >2000	10.2	13.2	13.8	14.0	14.0	14.0	14.0	14.0
= OR >1000	18.2	24.6	25.5	25.7	25.7	25.7	25.7	25.7
= OR >600	24.2	32.8	34.4	34.5	34.5	34.5	34.5	34.5
= OR >300	25.1	34.0	35.7	35.9	35.9	35.9	35.9	35.9
= OR >150	25.1	34.0	35.7	35.9	35.9	35.9	35.9	35.9
= OR >0	25.1	34.2	35.9	36.1	36.1	36.1	36.1	36.1
TOTAL	131	178	187	188	188	188	188	188

TOTAL NUMBER OF OBS: 521

PCT FREQ NH <5/8: 63.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	2.6	10.8	17.6	18.8	12.9	9.2	8.6	6.3	13.2	.0	544

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	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.3	.4	.1	.2	.0	.0	.1	.1	.0	.0	1.1	
	TOT %	.4	.4	.1	.2	.0	.0	.1	.1	.0	.0	1.2	
1<2	PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	*	.1	.2	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.8	
5<10	PCP	2.6	5.1	4.9	2.6	.5	.1	.3	.2	.0	.0	16.3	
	NO PCP	6.2	9.0	8.7	6.4	1.8	.4	.2	.9	.0	.4	24.0	
	TOT %	8.8	14.1	13.6	9.0	2.3	.5	.5	1.1	.0	.4	40.3	
10+	PCP	.4	1.1	.7	.7	.2	.2	.0	.1	.0	.3	3.7	
	NO PCP	7.1	14.9	8.5	6.4	1.4	.8	.8	1.0	.0	2.8	43.7	
	TOT %	7.5	16.0	9.1	7.1	1.7	1.0	.8	1.1	.0	3.2	47.4	
TOT OBS												920	
TOT PCT	16.8	31.0	23.1	16.5	4.0	1.5	1.3	2.2	.0	3.6	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	.0	.0	.0	.0	
	4-10	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
1/2<1	0-3	.0	*	*	.0	.0	.0	*	*	.0	.0	.1	
	4-10	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.2	*	.1	.0	.0	*	*	.0	.0	.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.1	.2	.0	.0	.0	.0	.0	.1	.6	
2<5	0-3	*	.2	.1	.0	.1	*	.0	.0	.0	.3	.7	
	4-10	.2	.3	.3	.6	.2	*	*	.2	.0	.0	1.8	
	11-21	.0	*	.3	.1	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.6	.7	.7	.2	.1	*	.2	.0	.3	3.0	
5<10	0-3	.5	1.2	.8	.9	.5	*	.1	.1	.0	1.1	5.1	
	4-10	4.1	5.7	5.5	3.9	.8	.4	.2	.6	.0	.0	21.2	
	11-21	1.1	2.3	2.2	1.6	.1	.0	.1	.1	.0	.0	7.5	
	22+	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	5.7	9.2	8.5	6.4	1.4	.4	.4	.8	.0	1.1	33.9	
10+	0-3	1.8	2.0	1.9	1.6	.7	.2	.2	.5	.0	3.5	12.3	
	4-10	5.3	14.6	10.6	7.9	1.1	.4	.7	.9	.0	.0	41.4	
	11-21	1.3	3.0	1.5	1.7	.2	.1	*	.1	.0	.0	8.0	
	22+	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	8.4	19.7	14.1	11.2	2.0	.7	.9	1.5	.0	3.5	61.9	
TOT OBS												1807	
TOT PCT	14.6	29.9	23.4	18.5	3.6	1.1	1.3	2.6	.0	5.0	100.0		

MARCH

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.34

TABLE 10

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

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.8	8.3	15.7	5.8	3.3	.8	.8	.0	35.5	64.5	121
06009	.8	.0	1.6	8.5	10.1	8.5	5.4	1.6	.8	.8	38.0	62.0	129
12015	.0	.0	2.1	8.3	12.5	9.0	4.2	2.1	.0	.0	38.2	61.8	144
18021	.0	.0	.7	10.9	8.0	5.8	3.6	.7	.0	1.5	31.4	68.6	137
TOT	1	0	7	48	61	39	22	7	2	3	190	341	531
PCT	.2	.0	1.3	9.0	11.5	7.3	4.1	1.3	.4	.6	35.8	64.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.6	1.7	3.0	39.1	55.7	361
06009	.2	.0	.3	3.2	39.3	57.0	598
12015	.0	.7	.5	3.4	29.3	66.1	413
18021	.0	1.1	.0	2.6	35.4	60.9	568
TOT	1	11	10	59	698	1161	1940
PCT	.1	.6	.5	3.0	36.0	59.8	100.0

TABLE 12

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

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.8	10.8	25.8	63.3	120
06009	.8	2.4	13.6	27.2	59.2	125
12015	.0	2.1	12.1	26.2	61.7	141
18021	.0	.7	12.6	19.3	68.1	135
TOT	1	8	64	128	329	521
PCT	.2	1.5	12.3	24.6	63.1	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	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
85/89	.0	.0	.0	.0	1.4	3.1	.8	.2	28	5.5
80/84	.0	.0	.0	.0	1.0	20.9	34.4	4.9	311	61.7
75/79	.0	.0	.0	.0	.0	2.4	18.1	12.0	165	32.5
70/74	.0	.0	.0	.0	.0	.0	.0	.6	3	.6
TOTAL	0	0	0	0	12	133	271	90	508	100.0
PCT	.0	.0	.0	.0	2.4	26.6	53.3	17.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
85/89	.8	2.1	1.6	.7	.0	.2	.0	.0	.0	.0
80/84	7.9	23.4	13.5	8.9	2.5	.9	.6	1.3	.0	2.4
75/79	5.5	9.0	7.4	3.7	.8	.9	1.1	.8	.0	3.1
70/74	.3	.1	.0	.2	.0	.0	.0	.0	.0	.0
TOTAL	14.5	34.6	22.6	13.8	3.1	2.0	1.8	2.2	.0	5.5

TABLE 15

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

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	87	83	82	79	76	73	71	79.3	604
06009	86	83	82	79	76	74	73	79.2	1046
12015	92	87	86	82	77	75	74	81.4	625
18021	91	87	85	81	76	75	71	80.6	1012
TOT	92	86	84	80	76	74	71	80.1	3287

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.8	14.7	59.7	24.8	86	129
06009	.0	.0	.0	12.0	60.7	27.3	86	150
12015	.0	.0	3.5	29.9	53.5	13.2	82	144
18021	.0	.0	4.1	40.4	43.8	11.6	81	146
TOT	0	0	12	139	309	109	84	569

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FDG	WO FDG
7/8	.0	.0	.1	.6	.0	7	.0	.7
6	.0	.0	.2	.4	.1	7	.0	.7
5	.0	.0	.0	1.2	.1	13	.0	1.3
4	.0	.1	.3	1.3	.0	17	.0	1.7
3	.0	.0	.7	.7	.0	14	.1	1.3
2	.0	.2	5.2	1.2	.0	65	.0	6.7
1	.0	1.0	8.4	.2	.0	94	.1	9.5
0	.0	6.8	11.4	.2	.0	179	.3	18.0
-1	.0	14.4	7.1	.0	.0	210	.2	21.3
-2	.2	14.1	2.9	.0	.0	168	.1	17.1
-3	.4	8.2	1.1	.0	.0	95	.1	9.6
-4	1.1	4.3	.3	.0	.0	56	.1	5.6
-5	1.0	1.8	.3	.0	.0	31	.0	3.2
-6	.6	.5	.1	.0	.0	12	.0	1.2
-7/-8	.2	.3	.2	.0	.0	7	.0	.7
-9/-10	.2	.0	.0	.0	.0	2	.0	.2
TOTAL	37		374	58	2	977	1.0	96.7
PCT	3.8	51.8	38.3	5.9	.2	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

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

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	2.9	3.1	.0	.0	.0	.0	6.0	2.2	2.0	.0	.0	.0	.0	4.2
1-2	1.1	3.5	.4	.0	.0	.0	5.0	.8	15.1	.9	.0	.0	.0	16.8
3-4	.0	1.5	3.2	.0	.0	.0	4.7	.0	7.6	2.4	.0	.0	.0	12.0
5-6	.0	.0	1.0	.0	.0	.0	1.0	.0	2.0	1.6	.0	.0	.0	3.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6
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	4.0	8.1	4.6	.0	.0	.0	16.8	3.0	26.7	8.7	.0	.0	.0	38.5

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	2.0	1.5	.0	.0	.0	.0	3.5	.0	1.7	.0	.0	.0	.0	1.7
1-2	1.6	4.5	.3	.0	.0	.0	6.4	.8	4.3	.0	.0	.0	.0	5.1
3-4	.0	6.3	.6	.0	.0	.0	6.9	.0	1.4	.9	.0	.0	.0	2.3
5-6	.0	.3	1.1	.0	.0	.0	1.4	.4	.1	.1	.0	.0	.0	.6
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	.1	.0	.0	.0	.1
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	3.6	12.7	2.7	.0	.0	.0	19.0	1.2	7.5	1.1	.0	.0	.0	9.8

PERIOD: (OVER-ALL) 1969-1973

MARCH

AREA 0024 ST. PETER AND PAUL ROCKS
16N 29.3W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.4	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.4
1-2	.4	.7	.0	.6	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.1	.4	.0	.0	.0	.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	.8	.7	.4	.0	.0	.0	1.9	.0	.5	.4	.0	.0	.0	.9

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.4	.0	.0	.0	.0	.4	.1	.5	.0	.0	.0	.0	.6	
1-2	.0	.8	.0	.0	.0	.0	.8	.1	.8	.0	.0	.0	.0	.9	
3-4	.0	.3	.0	.0	.0	.0	.3	.0	.0	.5	.0	.0	.0	.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	.0	1.5	.0	.0	.0	.0	1.5	.2	1.3	.5	.0	.0	.0	2.0 90.4	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	19.3	9.3	.0	.0	.0	.0	28.6	
1-2	5.0	29.3	1.5	.0	.0	.0	35.9	
3-4	.0	16.6	10.0	.0	.0	.0	26.6	
5-6	.4	2.3	3.9	.0	.0	.0	6.6	
7	.0	.0	2.3	.0	.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	
TOT PCT	24.7	57.5	17.8	.0	.0	.0	100.0	259

PERIOD: (OVER-ALL) 1949-1973

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	10.9	11.8	5.6	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	120	3
6-7	.0	1.7	8.7	9.8	2.5	.6	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	5
8-9	.0	.6	3.1	3.4	3.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	5
10-11	.0	1.1	1.1	.6	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	5
12-13	.0	.0	.3	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
13-15	.0	.0	.0	.6	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
INDEX	6.2	4.5	8.1	4.2	1.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	3
TOTAL	35	67	118	87	37	7	5	.0	.0	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	397	4
PCT	9.8	18.8	33.1	24.4	10.4	2.0	1.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	10.3	10.9	3.3	.0	.0	.0	.9	25.4	5.6	.0	1.8	.0	.0	.0	67.2
NE	7.7	12.1	.9	.0	.0	.0	.0	20.8	4.5	3.5	.8	.0	.0	.0	71.4
E	6.0	16.0	1.0	.0	.0	.0	.0	23.1	5.2	2.9	2.4	.0	.0	.0	68.2
SE	11.0	12.4	1.4	.0	.0	.0	.0	24.9	5.0	1.4	3.2	.0	.0	.0	65.4
S	11.3	9.3	.0	.0	.0	.0	.0	20.6	2.1	.0	6.2	.0	.0	.0	71.1
SW	33.7	.0	1.1	.0	.0	.0	.0	34.8	.0	4.3	.0	.0	.0	.0	65.2
W	42.3	10.3	3.8	.0	.0	.0	.0	56.4	.0	.0	.0	.0	.0	.0	43.6
NW	25.5	9.2	.0	.0	.0	.0	.0	34.6	5.2	2.6	.0	.0	.0	.0	57.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.7	9.7	6.5	.0	.0	.0	.0	25.8	6.5	.0	.0	.0	.0	.0	67.7
TOT PCT	10.8	12.1	1.5	.0	.0	.0	.1	24.6	4.6	2.1	1.9	.0	.0	.0	67.5
TOT OBS:	841														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	9.2	10.2	2.4	.0	.0	.0	.0	21.4	5.8	3.9	1.9	.0	.0	.0	68.4
0600	12.1	15.2	.7	.0	.0	.0	.0	28.0	4.8	4.2	3.1	.0	.0	.0	60.9
1200	11.1	10.1	.5	.0	.0	.0	.0	21.6	5.8	.0	.5	.0	.0	.0	72.1
1800	10.0	14.7	2.2	.0	.0	.0	.4	27.2	3.2	2.2	1.8	.0	.0	.0	66.7
TOT PCT	10.7	12.9	1.4	.0	.0	.0	.1	25.1	4.8	2.6	1.9	.0	.0	.0	68.5
TOT OBS:	982														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	2.1	7.2	2.2	.1	.0	.0		11.6	7.5	15.5	11.5	10.7	10.2	10.3	11.1	13.6	10.8
NE	3.8	19.1	4.3	.1	.0	.0		27.2	7.4	28.0	28.3	25.7	27.6	29.7	27.0	25.3	29.5
E	3.6	16.1	3.6	*	.0	.0		23.3	7.2	20.2	24.9	22.3	21.7	20.5	25.8	23.3	24.3
SE	2.7	12.0	2.9	*	.0	.0		17.7	7.4	14.0	17.1	16.8	19.4	19.0	17.9	18.6	16.9
S	1.5	3.1	.4	.0	.0	.0		5.0	5.6	5.0	4.1	6.2	5.2	6.0	4.9	5.1	3.9
SW	.7	1.7	.1	.0	.0	.0		2.5	5.6	2.7	2.2	2.8	3.5	1.6	2.1	2.3	2.2
W	.3	1.6	.1	.0	.0	.0		1.9	6.5	1.7	1.7	2.1	1.9	2.2	2.2	2.0	1.3
NW	.7	1.9	.3	.0	.0	.0		3.0	6.3	5.0	2.1	4.0	2.5	4.2	2.7	2.8	2.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.9							7.9	.0	8.0	8.1	9.4	8.2	6.5	6.4	7.0	8.6
TOT OBS	683	1848	410	5	0	0	2946		6.6	150	382	499	403	138	407	559	408
TOT PCT	23.2	62.7	13.9	.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	06	12	18	
N	5.5	5.8	.3	.0	.0		11.6	7.5	12.6	10.4	10.9	12.4	
NE	13.1	13.5	.6	.0	.0		27.2	7.4	28.2	26.6	27.7	27.1	
E	11.6	11.2	.5	.0	.0		23.3	7.2	23.5	22.0	24.4	23.7	
SE	8.2	9.1	.3	*	.0		17.7	7.4	16.3	18.0	18.2	17.9	
S	3.4	1.6	.0	.0	.0		5.0	5.6	4.3	5.8	5.1	4.6	
SW	1.7	.7	*	.0	.0		2.5	5.6	2.3	3.1	2.0	2.3	
W	1.1	.8	*	.0	.0		1.9	6.5	1.7	2.0	2.2	1.7	
NW	1.8	1.2	*	.0	.0		3.0	6.3	2.9	3.3	3.1	2.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	7.9						7.9	.0	8.1	8.9	6.4	7.7	
TOT OBS	1599	1291	55	1	0	2946		6.6	532	902	545	967	
TOT PCT	54.3	43.8	1.9	*	.0		100.0		100.0	100.0	100.0	100.0	

APRIL

PERIOD: (PRIMARY) 1910-1971
(OVER-ALL) 1862-1971

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	8.1	14.5	64.5	13.0	.0	.0	.0	6.5	100.0	532
0609	8.9	16.4	61.6	12.9	.2	.0	.0	6.5	100.0	902
1215	6.4	14.1	63.7	15.6	.2	.0	.0	6.8	100.0	545
1821	7.7	15.4	62.3	14.5	.2	.0	.0	6.6	100.0	967
TOT	232	451	1848	410	5	0	0	6.6		2946
PCT	7.9	15.3	62.7	13.9	.2	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
NE	3.8	5.1	11.7	6.2		5.4
E	3.5	5.4	6.9	4.5		5.1
SE	2.4	5.1	4.2	4.0		5.0
S	1.7	1.7	1.3	1.2		4.3
SW	.3	.7	.3	1.3		5.9
W	.0	.6	.8	1.7		6.7
NW	.3	.8	.8	2.4		6.4
VAR	.0	.0	.0	.0		.0
CALM	1.5	2.1	1.0	1.0		4.1
TOT OBS	58	90	133	109	390	5.3
TOT PCT	14.9	23.1	34.1	27.9	100.0	

TABLE 6

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

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
	149	299	399	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	2.1	3.4	2.6	.5	.0	.0	.3	6.8	
NE	.0	.0	.3	2.8	3.1	2.2	1.4	.4	.0	.0	16.7	
E	.0	.0	.3	3.6	2.2	1.2	.7	.4	.0	.0	12.1	
SE	.0	.0	.3	1.4	2.2	.9	.7	.3	.0	.0	10.0	
S	.3	.0	.2	.4	1.0	.1	.0	.3	.0	.0	3.7	
SW	.0	.0	.5	.3	.1	.6	.0	.0	.0	.0	1.2	
W	.0	.0	.0	.8	.6	.1	.5	.0	.0	.0	1.1	
NW	.0	.0	.5	.4	1.6	.2	.0	.0	.0	.0	1.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.5	2.1	1.0	1.0							4.4	
TOT OBS	58	90	133	109	390	577	31	5	0	3	224	390
TOT PCT	14.9	23.1	34.1	27.9	100.0	14.6	7.9	3.8	1.3	.0	57.4	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.7	.9	.9	.9	.9	.9	.9	.9
>5000	1.6	1.8	2.0	2.2	2.2	2.2	2.2	2.2
>3500	3.6	4.9	5.4	5.6	5.6	5.6	5.6	5.6
>2000	8.3	11.9	12.3	12.6	12.6	12.6	12.6	12.6
>1000	17.3	24.7	25.8	26.0	26.0	26.0	26.0	26.0
>600	23.8	35.4	37.7	37.9	38.1	38.1	38.1	38.1
>300	24.9	36.8	39.5	39.7	39.9	39.9	39.9	39.9
>150	24.9	36.8	39.5	39.7	39.9	39.9	39.9	39.9
>0	24.9	37.0	39.7	39.9	40.1	40.1	40.1	40.1
TOTAL	111	165	177	178	179	179	179	179

TOTAL NUMBER OF OBS: 446

PCT FREQ NH <5/8: 59.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
3.1	9.4	16.5	17.1	12.1	7.9	7.1	8.1	18.3	480

PERIOD: (PRIMARY) 1910-1971
(OVER-ALL) 1862-1971

APRIL

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

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	.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	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.1	.2	.5	.5	.4	.0	.0	.0	.0	.0	1.7	
	TOT %	.2	.4	.5	.6	.4	.0	.0	.0	.0	.0	2.0	
1<2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.1	.4	.3	.3	.0	*	.2	.1	.0	.0	1.4	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.5	.3	.3	.0	*	.2	.1	.0	.0	1.5	
5<10	PCP	2.8	4.3	3.8	3.7	1.2	.8	.6	1.0	.0	.7	18.8	
	NO PCP	1.8	12.1	8.3	4.3	1.8	.8	.5	1.9	.0	.4	33.8	
	TOT %	6.6	16.3	12.1	7.9	3.0	1.7	1.1	2.9	.0	1.1	52.6	
10+	PCP	.3	1.1	1.0	*	.0	.1	.5	.5	.0	.2	3.8	
	NO PCP	6.0	10.2	8.6	7.7	2.4	1.0	.5	1.0	.0	2.4	39.9	
	TOT %	6.3	11.3	9.6	7.7	2.4	1.0	1.0	1.5	.0	2.6	43.7	
TOT OBS													840
TOT PCT													19.2 28.5 22.7 16.5 5.8 2.7 2.3 4.6 .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	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.1	.0	*	.1	.1	.0	.0	.0	.0	.0	.3	
	4-10	.1	.1	.2	.2	*	.0	.0	.0	.0	.0	.6	
	11-21	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.2	.2	.3	.2	.0	.0	.0	.0	.0	1.0	
1<2	0-3	.0	.1	.1	*	*	.0	.0	.0	.0	.1	.2	
	4-10	.1	.1	.1	.1	.0	.1	*	.0	.0	.0	.5	
	11-21	.0	*	*	*	*	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.2	.2	.1	.1	.1	*	.0	.0	.1	.8	
2<5	0-3	.1	.1	*	.0	.0	.0	.0	.1	.0	.2	.4	
	4-10	.2	.4	.3	.3	.1	*	.2	*	.0	.0	1.4	
	11-21	*	.2	.1	.1	.0	.0	.0	.0	.0	.0	.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.3	.7	.5	.4	.1	*	.2	.1	.0	.2	2.3	
5<10	0-3	.7	1.3	1.1	.6	.8	.2	.1	.5	.0	.9	6.4	
	4-10	2.7	7.1	4.5	3.2	1.2	.8	.5	.9	.0	.0	21.0	
	11-21	.6	1.8	1.5	1.0	.2	.1	.1	.2	.0	.0	5.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	4.0	10.2	7.1	4.8	2.2	1.1	.6	1.6	.0	.9	32.7	
10+	0-3	1.3	2.6	2.2	1.6	.8	.5	.2	.5	.0	4.4	14.1	
	4-10	4.5	11.0	12.1	9.4	2.2	.9	.9	.9	.0	.0	41.9	
	11-21	1.1	1.8	1.6	2.4	.2	.1	.0	.0	.0	.0	7.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	6.9	15.4	15.9	13.4	3.2	1.4	1.1	1.4	.0	4.4	63.1	
TOT OBS													1729
TOT PCT													11.4 26.8 23.9 19.0 5.7 2.7 1.9 3.1 .0 5.6 100.0

APRIL

PERIOD: (PRIMARY) 1910-1971
(OVER-ALL) 1862-1971

AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 10

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

HRUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	3.6	15.5	10.9	7.3	3.6	.9	.0	.9	42.7	57.3	110
06009	.9	.0	.0	14.2	10.4	9.4	2.8	.0	.0	1.9	39.6	60.4	106
12015	.0	.0	2.4	7.3	14.6	4.9	3.3	1.6	.0	.0	34.1	65.9	123
18021	.0	.0	1.7	10.7	16.5	5.8	3.3	2.5	.0	.8	41.3	58.7	121
TMT	1	0	9	54	61	31	15	6	0	4	181	279	460
PCT	.2	.0	2.0	11.7	13.3	6.7	3.3	1.3	.0	.9	39.3	60.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	1.1	.6	2.8	37.9	57.6	354
06009	.4	1.3	1.3	2.0	37.1	58.0	552
12015	.0	.5	1.1	2.1	28.9	67.4	377
18021	.0	1.0	.3	2.5	33.2	62.9	590
TOT	2	19	15	44	644	1149	1873
PCT	.1	1.0	.8	2.3	34.4	61.3	100.0

TABLE 12

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

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	2.8	19.6	23.4	57.0	107
06009	1.0	1.0	16.3	24.0	59.6	104
12015	.0	3.4	11.8	23.5	64.7	119
18021	.0	1.7	14.7	27.6	57.8	116
TOT	1	10	69	110	267	446
PCT	.2	2.2	15.5	24.7	59.9	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	.0	.0	.2	.0	.0	1	.2
85/89	.0	.0	.0	.0	.4	2.2	.4	.2	16	3.2
80/84	.0	.0	.0	.0	.6	20.5	35.6	7.8	321	64.6
75/79	.0	.0	.0	.0	.0	1.4	16.1	13.9	156	31.4
70/74	.0	.0	.0	.0	.0	.0	.0	.6	3	.6
TOTAL	0	0	0	0	5	121	259	112	497	100.0
PCT	.0	.0	.0	.0	1.0	24.3	52.1	22.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
85/89	.0	1.4	.5	.3	.0	.0	.0	.2	.0	.8
80/84	8.9	18.9	13.0	12.1	4.1	1.2	.7	2.3	.0	3.4
75/79	5.1	7.4	6.2	3.7	2.1	1.4	1.5	2.3	.0	1.8
70/74	.3	.0	.0	.0	.0	.1	.2	.1	.0	.0
TOTAL	14.3	27.7	19.7	16.1	6.2	2.6	2.3	5.0	.0	6.0

TABLE 15

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

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	83	82	82	80	77	76	73	79.7	557
06009	87	84	82	80	76	74	73	79.5	947
12015	91	88	86	82	77	74	73	81.5	559
18021	90	87	85	81	77	74	71	80.8	993
TOT	91	86	84	80	77	74	71	80.3	3056

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.7	19.3	56.4	23.6	85	140		
06009	.0	.0	.0	12.3	58.7	29.0	86	155		
12015	.0	.0	.7	39.3	44.4	15.6	82	135		
18021	.0	.0	2.7	30.0	48.0	19.3	83	130		
TOT	0	0	6	144	302	128	84	580		

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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	TOT	N FOG	WD FOG
9/10	.0	.0	.1	.0	.0	1	.0	.1
7/8	.0	.2	.0	.2	.1	5	.0	.6
5	.0	.0	.0	.2	.1	3	.0	.3
4	.0	.0	.3	.5	.1	8	.0	.9
3	.0	.0	1.8	1.2	.0	27	.0	3.0
2	.0	.2	2.4	.9	.0	31	.1	3.4
1	.0	.9	6.2	.6	.0	68	.0	7.7
0	.0	2.5	12.2	.2	.0	132	.7	14.2
-1	.0	8.5	11.0	.0	.0	173	.6	18.9
-2	.1	14.1	9.2	.0	.0	172	.2	19.2
-3	.2	11.2	1.7	.0	.0	116	.2	12.9
-4	1.2	6.8	.9	.0	.0	79	.2	8.7
-5	1.0	2.5	.7	.0	.0	37	.0	4.2
-6	1.6	1.2	.0	.0	.0	25	.0	2.8
-7/-8	.5	.5	.0	.0	.0	8	.0	.9
-9/-10	.0	.1	.0	.0	.0	1	.0	.1
-11/-13	.1	.0	.0	.0	.0	1	.0	.1
TOTAL	42	431	377	34	.3	887	18	869
PCT	4.7	48.6	42.5	3.8	.3	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

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

HGT	N					PCT	NE					PCT
	1-3	4-10	11-21	22-33	34-47		1-3	4-10	11-21	22-33	34-47	
<1	.0	2.4	.0	.0	.0	2.4	.0	2.9	.0	.0	.0	2.9
1-2	1.1	6.3	.3	.0	.0	7.7	1.7	13.9	1.0	.0	.0	16.6
3-4	.0	2.7	1.4	.0	.0	4.1	.9	6.3	1.7	.0	.0	8.9
5-6	.0	.0	1.1	.0	.0	1.1	.0	.4	1.5	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4
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
13-16	.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
20-22	.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
33-40	.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
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
71-86	.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
TOT PCT	1.1	11.4	2.8	.0	.0	15.3	2.6	23.5	4.7	.0	.0	30.7

HGT	E					PCT	SE					PCT
	1-3	4-10	11-21	22-33	34-47		1-3	4-10	11-21	22-33	34-47	
<1	.0	.8	.0	.0	.0	.8	1.5	.9	.0	.0	.0	2.4
1-2	1.5	12.9	.9	.0	.0	15.3	.2	5.6	.4	.0	.0	6.3
3-4	.0	1.9	1.5	.0	.0	3.5	.4	3.7	1.0	.0	.0	5.1
5-6	.0	.0	.8	.0	.0	.8	.0	.0	.5	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4
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
13-16	.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
20-22	.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
33-40	.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
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
71-86	.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
TOT PCT	1.5	15.6	3.1	.0	.0	20.2	2.2	10.2	2.4	.0	.0	14.7

PERIOD: (OVER-ALL) 1963-1971

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TABLE 18 (CONT)

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

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.6	.3	.0	.0	.0	.0	1.0	.0	.2	.0	.0	.0	.0	.0	.2	
1-7	.4	2.1	.0	.0	.0	.0	2.5	.4	.6	.0	.0	.0	.0	.0	1.1	
3-4	.0	1.2	.0	.0	.0	.0	1.2	.0	.5	.0	.0	.0	.0	.0	.5	
5-6	.0	.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	.0	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	1.1	3.6	.0	.0	.0	.0	4.7	.4	1.4	.0	.0	.0	.0	.0	1.8	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.9		
1-2	.0	1.4	.0	.0	.0	.0	1.4	.6	2.7	.0	.0	.0	.0	.0	3.4		
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1		
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4		
7	.0	.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	.0		
10-11	.0	.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	.0		
13-16	.0	.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	.0		
20-22	.0	.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	.0		
26-32	.0	.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	.0		
41-48	.0	.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	.0		
61-70	.0	.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	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.0	1.7	.0	.0	.0	.0	1.7	1.5	3.2	.0	.0	.0	.0	.0	4.8 93.9		

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.0	9.4	.0	.0	.0	.0	22.4	
1-2	6.7	41.7	2.4	.0	.0	.0	50.8	
3-4	1.6	15.0	5.1	.0	.0	.0	21.7	
5-6	.0	.8	3.5	.0	.0	.0	4.3	
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	21.3	66.9	11.8	.0	.0	.0	100.0	254

PERIOD: (OVER-ALL) 1949-1971

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	15.5	12.5	3.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	118	3
6-7	.0	3.5	6.3	8.0	2.4	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	73	4
8-9	.0	.9	1.5	4.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
10-11	.0	1.2	1.8	.3	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
12-13	.0	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
>13	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	5.1	6.8	9.8	3.6	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	3
TOTAL	25	94	111	70	28	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	336	3
PCT	7.4	28.0	33.0	20.8	8.3	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1855-1973

MAY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	15.8	14.6	.0	.0	.0	.0	.0	30.4	5.1	.0	.0	.0	.0	.0	64.6
NE	6.0	14.5	1.8	.0	.0	.0	.0	22.4	5.6	1.8	.9	.0	.0	.0	70.2
E	2.5	7.6	1.2	.0	.0	.0	.0	10.9	3.8	.4	4.7	.0	.0	.0	80.2
SE	2.3	4.9	.4	.0	.0	.0	.0	7.6	3.1	.4	2.9	.0	.0	.0	86.1
S	5.5	5.5	.0	.0	.0	.0	.0	11.0	2.5	.0	.0	.0	.0	.0	86.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	97.7
W	18.2	18.2	.0	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
NW	16.9	11.3	5.6	.0	.0	.0	.0	28.2	.0	.0	.0	.0	.0	.0	71.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	5.6	.0	.0	.0	.0	77.9
TOT PCT	4.6	7.8	.9	.0	.0	.0	.0	13.0	3.5	.6	2.6	.0	.0	.0	80.3
TOT OBS:	798														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00003	7.9	8.4	2.1	.0	.0	.0	.0	17.4	4.2	2.6	1.1	.0	.0	.0	75.8
06009	5.4	7.4	.4	.0	.0	.0	.0	13.2	2.7	.4	3.5	.0	.0	.0	80.2
12015	6.9	6.3	1.1	.0	.0	.0	.0	14.3	4.2	.0	1.1	.0	.0	.0	80.4
18021	5.6	9.9	.0	.0	.0	.0	.0	13.5	4.4	.0	3.6	.0	.0	.0	76.6
TOT PCT	6.3	8.1	.8	.0	.0	.0	.0	13.0	3.8	.7	2.5	.0	.0	.0	78.3
TOT OBS:	888														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	1.2	2.6	.8	*	.0	.0		4.7	6.4	3.5	6.2	4.6	4.1	3.3	3.7	5.2	5.0
NE	2.2	7.1	1.5	*	.0	.0		10.8	6.8	14.5	10.0	10.4	12.3	12.9	9.8	11.2	9.1
E	2.5	16.4	5.9	*	.0	.0		24.8	8.3	33.5	26.0	24.2	23.7	25.0	22.4	25.1	25.1
SE	2.8	23.3	12.8	.5	.0	.0		39.4	9.4	31.8	39.5	37.6	39.8	40.0	42.8	38.6	41.0
S	1.5	5.5	1.7	*	.0	.0		8.8	7.4	7.2	7.6	9.4	9.8	9.2	9.9	8.1	8.3
SW	.5	1.5	.3	.0	.0	.0		2.2	6.3	2.2	2.8	3.0	1.7	1.3	1.8	1.4	2.8
W	.3	1.0	.2	.0	.0	.0		1.5	6.5	.6	1.2	1.4	1.5	2.9	1.1	2.0	1.1
NW	.6	1.6	.2	.0	.0	.0		2.4	5.7	.2	2.1	1.4	1.9	2.8	2.6	3.4	3.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.5							5.5	.0	6.6	4.6	8.0	5.0	2.6	5.9	5.0	4.2
TOT OBS	541	1868	744	19	0	0	3172		7.8	136	410	561	438	153	473	595	406
TOT PCT	17.1	58.9	23.5	.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	2.9	1.7	.1	.0	.0		4.7	6.4	5.5	4.4	3.6	5.1	
NE	6.0	4.5	.2	.0	.0		10.8	6.8	11.1	11.3	10.5	10.3	
E	9.4	14.4	1.1	.0	.0		24.8	8.3	27.8	24.0	23.0	25.1	
SE	11.9	24.4	3.1	*	.0		39.4	9.4	37.6	38.6	42.1	39.6	
S	4.6	3.8	.4	*	.0		8.8	7.4	7.5	9.6	9.7	8.2	
SW	1.5	.6	.1	.0	.0		2.2	6.3	2.7	2.5	1.7	2.0	
W	.9	.5	*	.0	.0		1.5	6.5	1.1	1.4	1.5	1.6	
NW	1.7	.7	*	.0	.0		2.4	5.7	1.6	1.6	2.7	3.3	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	5.5						5.5	.0	5.1	6.7	5.1	4.7	
TOT OBS	1407	1604	160	1	0	3172		7.8	546	999	626	1001	
TOT PCT	44.4	50.6	5.0	*	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1859-1973

MAY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CAL-1	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00603	5.1	12.6	61.9	20.0	.4	.0	.0	7.6	100.0	346
06009	6.7	11.0	56.9	24.8	.6	.0	.0	7.8	100.0	999
12615	5.1	11.8	55.6	27.2	.3	.0	.0	8.1	100.0	626
18621	4.7	11.4	61.3	21.7	.9	.0	.0	7.8	100.0	1001
TOT	174	367	1868	744	19	0	0	7.8		3172
PCT	5.5	11.6	58.9	23.5	.6	.0	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	2.0	3.8	4.7	2.9		4.9
E	8.9	9.6	6.7	4.1		4.1
SE	9.1	8.9	11.5	3.8		4.3
S	.9	1.3	3.1	1.1		3.3
SW	.0	.1	1.2	.5		6.5
W	.0	.7	.5	1.1		6.2
NW	.0	.6	1.3	.3		3.6
VAR	.0	.0	.0	.0		.0
CALM	1.8	.8	.5	1.3		4.0
TOT OBS	92	116	123	66	397	4.5
TOT PCT	23.2	29.2	31.0	16.6	100.0	

TABLE 6

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

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.5	.7	.9	.2	.0	.0	.0	.0	.0	2.8
.0	.5	.3	.8	2.5	.3	.7	.0	.0	.0	.0	10.9
.0	.0	.8	1.2	2.3	.5	1.1	.6	.0	.0	.0	22.8
.0	.3	.0	1.3	4.2	1.9	1.7	.6	.0	.0	.3	23.0
.3	.2	.0	.0	.4	1.0	.0	.4	.0	.0	.0	4.0
.0	.1	.0	.0	.6	.6	.0	.1	.0	.0	.0	.4
.0	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	1.0
.0	.0	.0	.1	.4	.5	.0	.0	.0	.0	.0	1.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.3	.5	.5	.0	.0	.0	.0	.0	.0	3.0
1	4	7	20	49	21	13	7	0	1	274	397
.3	1.0	1.8	5.0	12.3	5.3	3.3	1.8	.0	.3	69.0	100.0

TABLE 7

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

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0
>6500	.2	.2	.2	.2	.2	.2	.2	.2
>5000	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>3500	4.8	6.2	6.2	6.2	6.2	6.2	6.2	6.2
>2000	9.2	11.5	11.5	11.5	11.5	11.5	11.5	11.5
>1000	17.5	22.1	23.3	23.3	23.5	23.5	23.5	23.5
>600	21.0	27.2	28.6	29.0	29.3	29.5	29.5	29.5
>300	21.9	29.0	30.6	31.1	31.6	31.8	31.8	31.8
>150	22.4	30.0	31.6	32.0	32.5	32.7	32.7	32.7
>0	22.6	30.2	31.8	32.3	32.7	32.9	32.9	32.9
TOTAL	98	131	138	140	142	143	143	143

TOTAL NUMBER OF OBS: 436

PCT FREQ NH <5/8: 67.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.6	12.7	20.2	17.4	13.5	7.1	8.2	6.0	12.4	.0	466

MAY

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.2W

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
<1/2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.3	
	NO PCP	.0	.1	1.4	.4	.0	.0	.0	.0	.0	.0	1.9	
	TOT %	.0	.1	1.4	.5	.0	.0	.0	.0	.0	.1	2.1	
1<2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.0	.5	.3	.0	.0	.0	.0	.0	.0	.1	.9	
	NO PCP	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	.5	
	TOT %	.0	.6	.3	.1	.0	.0	.0	.0	.0	.4	1.4	
5<10	PCP	1.4	2.3	2.5	1.4	.5	.0	.2	.6	.0	.1	9.0	
	NO PCP	1.2	4.3	11.9	14.9	3.4	.4	.2	.8	.0	.0	37.1	
	TOT %	2.6	6.6	14.4	16.3	3.9	.4	.4	1.4	.0	.1	46.1	
10+	PCP	.1	.3	.4	1.1	.3	.0	.3	.1	.0	.0	2.4	
	NO PCP	2.2	6.4	14.9	15.8	3.1	1.0	.7	.8	.0	1.6	47.5	
	TOT %	2.3	6.6	15.4	17.9	3.5	1.0	1.0	.8	.0	1.6	50.1	
TOT OBS												798	
TOT PCT		4.9	14.0	31.7	34.8	7.4	1.3	1.4	2.2	.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	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.1	.3	.*	.0	.0	.0	.0	.0	.0	.4	
	11-21	.*	.*	.4	.2	.0	.0	.0	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.*	.1	.7	.2	.0	.0	.0	.0	.0	.0	1.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.0	.1	.1	.*	.0	.0	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.1	.*	.0	.0	.0	.0	.0	.1	.3
2<5	0-3	.0	.1	.1	.*	.0	.0	.0	.0	.0	.3	.5	
	4-10	.*	.2	.2	.5	.0	.0	.1	.1	.0	.0	1.0	
	11-21	.0	.2	.1	.1	.*	.1	.0	.0	.0	.0	.5	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.*	.5	.4	.7	.*	.1	.1	.1	.0	.0	.3	2.1
5<10	0-3	.4	.6	1.0	.7	.4	.2	.2	.2	.0	.7	4.3	
	4-10	.9	2.4	4.8	5.7	1.9	.3	.2	.6	.0	.0	16.6	
	11-21	.4	.8	2.0	3.3	.4	.0	.*	.2	.0	.0	7.0	
	22+	.0	.*	.*	.3	.*	.0	.0	.0	.0	.0	.4	
	TOT %	1.6	3.8	7.8	10.0	2.7	.5	.3	1.0	.0	.7	28.3	
10+	0-3	.7	1.2	1.6	2.0	1.0	.2	.2	.2	.0	3.1	10.4	
	4-10	1.9	4.9	13.9	17.5	2.9	.8	.5	.8	.0	.0	43.2	
	11-21	.5	.9	4.2	7.5	.8	.2	.2	.1	.0	.0	14.4	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	3.1	7.1	19.8	27.0	4.6	1.1	.9	1.2	.0	3.1	68.0	
TOT OBS												1652	
TOT PCT		4.8	11.4	28.9	38.0	7.4	1.6	1.3	2.2	.0	4.4	100.0	

MAY

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 10

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

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00203	.0	.0	3.7	7.3	9.2	3.7	7.3	2.8	.0	.9	34.9	65.1	109
06209	.0	.0	.9	5.5	12.8	8.3	3.7	.9	.0	.0	32.1	67.9	109
12215	.9	.9	.9	3.4	12.1	5.2	4.3	1.7	.0	.0	29.3	70.7	116
18221	.0	2.5	3.4	6.8	11.9	3.4	1.7	.8	.0	.0	30.5	69.5	118
TOT	1	4	10	26	52	23	19	7	0	1	143	309	432
PCT	.2	.9	2.2	5.8	11.5	5.1	4.2	1.5	.0	.2	31.6	68.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00203	.3	1.2	.9	1.5	32.7	63.9	324
06209	.0	1.1	.2	1.9	34.4	62.4	526
12215	.0	.8	.8	1.9	23.4	73.1	364
18221	.2	1.1	.2	2.6	29.3	66.5	529
TOT	2	19	6	36	527	1153	1743
PCT	.1	1.1	.3	2.1	30.2	66.2	100.0

TABLE 12

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

HOUR (GMT)	<150 <30YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL DBS
00203	.0	4.8	12.4	23.8	63.8	105
06209	.0	1.0	9.8	24.5	64.7	102
12215	.9	3.5	8.0	22.1	69.9	113
18221	.0	6.1	14.9	17.5	67.5	114
TOT	1	17	49	96	289	434
PCT	.2	3.9	11.3	22.1	66.6	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 DBS	PCT FRFQ
90/94	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
85/89	.0	.0	.0	.0	.4	2.9	.9	.0	19	4.2
80/84	.0	.0	.0	.0	.9	28.9	34.2	6.0	317	70.0
75/79	.0	.0	.0	.0	.0	2.2	14.3	9.1	116	25.6
TOTAL	0	0	0	0	6	155	224	68	452	100.0
PCT	.0	.0	.0	.0	1.3	34.2	49.4	15.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
85	.3	.3	1.1	1.4	.4	.0	.0	.2	.0	.4
80	2.4	11.0	20.8	26.5	4.6	.9	.7	.8	.0	2.2
75	2.2	2.9	7.3	7.0	2.4	1.2	1.1	1.1	.0	.4
TOT	4.9	14.3	29.2	34.9	7.4	2.1	1.8	2.2	.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 DBS
00203	83	82	82	80	77	75	74	79.7	535
06209	86	84	82	80	77	75	73	79.7	1004
12215	91	87	85	82	78	76	73	81.7	615
18221	92	88	85	81	77	76	73	81.1	1000
TOT	92	86	84	81	77	75	73	80.5	3174

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 DBS
00203	.0	.0	.0	25.0	55.8	19.2	84	120
06209	.0	.0	.8	18.5	58.5	22.3	85	130
12215	.0	.0	2.6	43.5	42.6	11.3	81	115
18221	.0	.0	2.3	44.3	37.4	16.0	82	131
TOT	0	0	7	162	241	86	83	496

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	TOT	N FOG	WU FOG
7/8	.0	.0	.0	.0	.3	2	.0	.3
6	.0	.0	.1	.1	.0	2	.0	.3
5	.0	.0	.3	.3	.4	7	.0	.9
4	.0	.0	.8	.7	.0	11	.0	1.4
3	.0	.5	.7	.9	.0	16	.0	2.1
2	.0	.5	3.5	1.4	.0	42	.1	5.3
1	.0	1.0	8.7	.1	.0	76	.5	9.4
0	.0	6.0	11.1	.1	.0	132	.9	16.3
-1	.0	12.5	11.7	.0	.0	186	1.0	23.1
-2	.0	10.8	4.7	.0	.0	119	.1	15.3
-3	.0	8.8	1.7	.1	.0	82	.0	10.7
-4	1.0	3.4	.8	.0	.0	40	.0	5.2
-5	.7	2.0	.3	.0	.0	22	.0	2.9
-6	.9	1.6	.0	.0	.0	19	.0	2.5
-7/-8	.9	.8	.0	.0	.0	13	.0	1.7
TOTAL	27	368	340	29	5	769	2.1	74.8
PCT	3.5	47.9	44.2	3.8	.7	100.0	2.7	97.3

TABLE 18

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

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.5	.0	.0	.0	.0	.0	.5	1.9	1.7	.0	.0	.0	.0	.0	3.2
1-2	.0	3.4	1.2	.0	.0	.0	4.6	.5	9.5	.1	.0	.0	.0	.0	10.1
3-4	.0	.9	.0	.0	.0	.0	.9	.0	2.1	2.0	.0	.0	.0	.0	4.1
5-6	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5	.0	.0	.0	.0	1.1
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.2	1.2	.0	.0	.0	6.0	2.1	13.8	2.6	.0	.0	.0	.0	18.5

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.9	2.1	.0	.0	.0	.0	3.0	1.1	2.4	.0	.0	.0	.0	.0	3.5
1-2	1.0	11.7	1.2	.0	.0	.0	13.9	.6	12.1	1.9	.0	.0	.0	.0	14.6
3-4	.0	7.2	3.7	.0	.0	.0	10.9	.0	5.8	3.2	.0	.0	.0	.0	11.1
5-6	.4	.9	.7	.0	.0	.0	2.0	.0	1.1	.7	.0	.0	.0	.0	1.8
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	21.9	5.7	.0	.0	.0	29.9	1.7	21.4	7.8	.0	.0	.0	.0	31.0

PERIOD: (OVER-ALL) 1963-1973

MAY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 18 (CONT)

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

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
1-2	.4	2.1	.9	.0	.0	.0	3.4	.0	.2	.0	.0	.0	.0	.2
3-4	.0	1.2	.5	.0	.0	.0	1.7	.0	.1	.5	.0	.0	.0	.6
5-6	.0	.5	.5	.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	.4	4.6	1.9	.0	.0	.0	6.8	.0	.4	.5	.0	.0	.0	.9

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.4	.0	.0	.0	.0	.4	.0	.5	.1	.0	.0	.0	.6	.0
3-4	.0	.5	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.5	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.9	.0	.0	.0	.0	.9	.0	1.0	.1	.0	.0	.0	1.1	95.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.5	7.3	.0	.0	.0	.0	17.7	
1-2	4.5	38.2	5.0	.0	.0	.0	47.7	
3-4	.5	17.7	10.9	.0	.0	.0	29.1	
5-6	.5	2.7	2.3	.0	.0	.0	5.5	
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	15.9	65.9	18.2	.0	.0	.0	100.0	220

PERIOD: (OVER-ALL) 1949-1973

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	2.0	12.2	14.6	6.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	106	3
6-7	.0	3.4	10.5	9.9	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	4
8-9	.0	.7	3.7	4.1	2.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
10-11	.0	.0	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
12-13	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	4
INDET	2.0	8.8	4.1	3.1	1.4	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	3
TOTAL	12	76	101	80	19	4	2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	294	4
PCT	4.1	25.9	34.4	27.2	6.5	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1967-1973
(OVER-ALL) 1854-1973

JUNE

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.7	2.6	.0	.0	.0	.0	.0	3.3	.8	2.6	3.4	.0	.0	.0	89.9
SE	.6	2.7	.5	.0	.0	.0	.0	3.6	1.4	.3	1.8	.0	.0	.0	93.0
S	1.1	2.8	.0	.0	.0	.0	.0	4.0	3.1	1.1	.6	.0	.0	.0	92.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
NW	.0	16.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	84.0
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	9.1	.0	.0	.0	.0	.0	90.9
TOT PCT	.7	2.8	.3	.0	.0	.0	.0	3.5	1.4	1.0	2.0	.0	.0	.0	92.1
TOT OBS:	762														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.6	4.3	.0	.0	.0	.0	.0	4.9	1.2	3.1	3.1	.0	.0	.0	88.3
0600	.9	3.2	.9	.0	.0	.0	.0	4.5	1.4	1.4	1.8	.0	.0	.0	90.9
1200	1.2	1.7	.0	.0	.0	.0	.0	2.9	2.3	.0	1.2	.0	.0	.0	93.6
1800	.0	2.7	.0	.0	.0	.0	.0	2.7	.9	.0	1.8	.0	.0	.0	94.6
TOT PCT	.6	3.0	.3	.0	.0	.0	.0	3.7	1.4	1.0	1.9	.0	.0	.0	92.0
TOT OBS:	778														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.2	.3	.1	.0	.0	.0	.6	6.7	2.0	.2	.6	.6	1.2	.3	.6	.4
NE	.3	1.7	.8	.0	.0	.0	2.9	8.5	4.3	2.9	3.9	3.1	2.2	2.5	2.5	2.1
E	.7	13.2	10.0	.3	.0	.0	26.2	10.2	30.2	28.5	27.8	25.8	21.0	24.3	23.4	25.7
SE	1.3	30.1	22.9	1.0	.0	.0	55.3	10.6	48.4	54.0	52.0	57.1	60.2	58.4	56.1	55.6
S	.8	6.1	4.3	.2	.0	.0	11.4	10.0	10.1	10.4	12.0	10.3	11.5	11.1	12.4	12.0
SW	.2	1.1	.2	.0	.0	.0	1.4	6.9	.7	1.3	2.0	1.0	1.3	1.8	1.1	1.6
W	.1	.4	.1	.0	.0	.0	.5	6.7	.5	.5	.7	.9	.3	.7	.3	.3
NW	.0	.3	.1	.0	.0	.0	.4	8.4	.2	.5	.1	.4	.8	.2	.4	.8
VAR	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	3.6	1.7	1.1	.8	1.3	.7	1.2	1.4
TOT OBS	149	1701	1186	46	1	0	3083	10.1	139	414	537	400	149	442	570	437
TOT PCT	4.8	55.2	38.5	1.5	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	06	12	18	
N	.3	.3	.0	.0	.0	.6	6.7	.7	.0	.5	.5		
NE	1.2	1.4	.3	.0	.0	2.9	8.5	3.3	3.5	2.4	2.4		
E	5.7	17.9	2.6	.0	.0	26.2	10.2	28.9	26.9	23.4	25.5		
SE	10.0	39.0	6.3	.1	.0	55.3	10.6	52.6	54.2	58.8	55.8		
S	3.3	6.8	1.3	.0	.0	11.4	10.0	10.3	11.3	11.3	12.2		
SW	.8	.6	.0	.0	.0	1.4	6.9	1.2	1.5	1.7	1.3		
W	.3	.2	.0	.0	.0	.5	6.7	.5	.7	.6	.3		
NW	.1	.3	.0	.0	.0	.4	8.4	.4	.2	.4	.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	1.3					1.3	.0	2.2	1.0	.8	1.3		
TOT OBS	712	2047	321	3	0	3083	10.1	553	937	591	1002		
TOT PCT	23.1	66.4	10.4	.1	.0	100.0		100.0	100.0	100.0	100.0		

JUNE

PERIOD: (PRIMARY) 1907-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	2.2	4.7	57.3	34.4	1.3	.2	.0	9.6	100.0	533
06009	1.0	3.8	56.2	37.7	1.3	.0	.0	10.0	100.0	937
12015	.8	2.0	51.9	42.6	2.5	.0	.0	10.6	100.0	591
18021	1.3	3.6	54.9	39.0	1.2	.0	.0	10.1	100.0	1002
TOT	39	110	1701	1186	46	1	0	10.1		3083
PCT	1.3	3.6	55.2	38.5	1.5	.	.0	100.0		

TABLE 5

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION												
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS	
N	.3	.6	.6	.0		3.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.4
NE	2.2	.9	.2	.9		2.8	.0	.0	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.1
E	10.5	9.8	4.2	1.6		3.1	.0	.0	.2	1.1	1.7	.5	.9	.1	.0	.0	.0	.2	22.0
SE	18.4	17.7	12.3	2.3		3.4	.0	.0	.1	1.4	4.7	1.1	1.0	.3	.0	.0	.0	.5	41.6
S	3.8	4.6	3.9	.5		3.7	.0	.0	.0	.5	.5	.1	.2	.0	.0	.0	.0	.0	11.5
SW	.0	.2	.5	.0		5.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.5
W	.0	.2	.3	.2		6.2	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4
NW	.0	.3	.6	.2		6.1	.0	.0	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.6
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6	.2	.5	.2		2.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3
TOT OBS	161	151	101	24	437	3.4	.0	.0	3	16	34	8	7	2	0	3	0	3	364
TOT PCT	36.8	34.6	23.1	5.5	100.0		.0	.0	.7	3.7	7.8	1.8	1.6	.5	.0	.7	.0	.7	83.3

TABLE 6

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

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION												
							000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS	
N	.3	.6	.6	.0		3.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.4
NE	2.2	.9	.2	.9		2.8	.0	.0	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.1
E	10.5	9.8	4.2	1.6		3.1	.0	.0	.2	1.1	1.7	.5	.9	.1	.0	.0	.0	.2	22.0
SE	18.4	17.7	12.3	2.3		3.4	.0	.0	.1	1.4	4.7	1.1	1.0	.3	.0	.0	.0	.5	41.6
S	3.8	4.6	3.9	.5		3.7	.0	.0	.0	.5	.5	.1	.2	.0	.0	.0	.0	.0	11.5
SW	.0	.2	.5	.0		5.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.5
W	.0	.2	.3	.2		6.2	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4
NW	.0	.3	.6	.2		6.1	.0	.0	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.6
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6	.2	.5	.2		2.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3
TOT OBS	161	151	101	24	437	3.4	.0	.0	3	16	34	8	7	2	0	3	0	3	364
TOT PCT	36.8	34.6	23.1	5.5	100.0		.0	.0	.7	3.7	7.8	1.8	1.6	.5	.0	.7	.0	.7	83.3

TABLE 7

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

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.7	.7	.7	.7	.7	.7	.7	.7
>5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
>3500	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
>2000	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7
>1000	11.7	12.4	12.4	12.4	12.4	12.4	12.4	12.4
>600	14.6	15.7	16.0	16.0	16.0	16.0	16.0	16.0
>300	15.1	16.4	16.6	16.6	16.6	16.6	16.6	16.6
>150	15.1	16.4	16.6	16.6	16.6	16.6	16.6	16.6
>0	15.1	16.4	16.6	16.6	16.6	16.6	16.6	16.6
TOTAL	67	73	74	74	74	74	74	74

TOTAL NUMBER OF OBS: 445 PCT FREQ NH <5/8: 83.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
7.7	17.8	24.1	22.2	11.0	6.7	1.9	3.9	4.7	.0	465

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.2	.5	.1	.0	.0	.0	.0	.0	.0	.8
	TOT %	.0	.0	.2	.5	.1	.0	.0	.0	.0	.0	.0	.8
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.1	*	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.8	1.0	.5	.0	.1	.1	.0	.0	.0	2.5
	NO PCP	.1	.6	11.3	19.1	2.9	.1	.1	.1	.0	.1	.1	34.4
	TOT %	.1	.6	12.0	20.1	3.4	.1	.2	.2	.0	.1	.1	36.9
10+	PCP	.0	.0	.1	.8	.0	.0	.0	.0	.0	.0	.0	.9
	NO PCP	.8	2.1	16.4	30.9	8.1	.5	.5	.6	.0	1.3	1.3	61.2
	TOT %	.8	2.1	16.5	31.7	8.1	.5	.5	.6	.0	1.3	1.3	62.1
TOT OBS													762
TOT PCT		1.0	2.7	28.8	52.5	11.5	.7	.7	.8	.0	1.4	100.0	

TABLE 9

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

VSRY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.1	.2	*	.0	.0	.0	.0	.0	.0	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.1	.2	*	.0	.0	.0	.0	.0	.0	.4
1<2	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
2<5	0-3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.2
	11-21	.0	*	.1	*	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.4
5<10	0-3	.0	.0	.1	.2	.1	.0	.1	.1	.0	.1	.0	.8
	4-10	.1	.3	3.7	6.7	1.1	.2	.1	.1	.0	.0	.0	12.1
	11-21	.0	*	2.3	4.1	.9	.0	.0	.0	.0	.0	.0	7.3
	22+	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4
	TOT %	.1	.3	6.4	11.2	2.1	.2	.2	.2	.0	.1	.1	20.6
10+	0-3	.2	.5	.8	1.1	.8	.1	.0	.0	.0	1.2	.0	4.5
	4-10	.4	1.6	12.9	24.9	5.4	.9	.1	.2	.0	.0	.0	46.3
	11-21	.1	.4	7.5	16.2	2.5	.2	.2	.1	.0	.0	.0	27.2
	22+	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.4
	TOT %	.6	2.5	21.3	42.4	8.8	1.2	.2	.3	.0	1.2	1.2	78.5
TOT OBS													1634
TOT PCT		.7	2.8	28.0	54.1	10.9	1.4	.4	.4	.0	1.3	100.0	

JUNE

PERIOD: (PRIMARY) 1907-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 10

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

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.0	2.9	10.5	3.8	1.0	1.0	.0	1.9	21.9	78.1	105
06009	.0	.0	1.9	.9	9.3	1.9	.0	.0	.0	.0	14.0	86.0	107
12015	.0	.0	.0	5.6	6.5	.0	2.4	.0	.0	.8	15.3	84.7	124
18021	.0	.0	.0	4.1	4.1	1.6	3.3	.8	.0	.0	13.8	86.2	123
TOT	0	0	3	16	34	8	8	2	0	3	74	385	459
PCT	.0	.0	.7	3.5	7.4	1.7	1.7	.4	.0	.7	16.1	83.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.7	.0	.7	22.4	76.3	304
06009	.0	.4	.0	.6	23.8	75.2	495
12015	.0	.3	.3	.0	14.2	85.3	346
18021	.0	.2	.0	.4	21.6	77.8	305
TOT	0	6	1	7	344	1292	1850
PCT	.0	.4	.1	.4	20.8	78.3	100.0

TABLE 12

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

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	1.0	3.9	18.6	77.5	102
06009	.0	1.9	2.9	11.5	85.6	104
12015	.0	.0	5.7	9.8	84.4	122
18021	.0	.0	4.3	10.3	85.5	117
TOT	0	3	19	55	371	445
PCT	.0	.7	4.3	12.4	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
85/89	.0	.0	.0	.4	.4	1.0	.6	.0	12	2.5
80/84	.0	.0	.0	.0	2.9	29.2	14.3	1.9	233	48.2
75/79	.0	.0	.0	.0	.0	16.4	26.9	5.6	236	48.9
70/74	.0	.0	.0	.0	.0	.0	.4	.0	2	.4
TOTAL	0	0	0	2	16	225	204	36	483	100.0
PCT	.0	.0	.0	.4	3.3	46.6	42.2	7.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	1.7	.3	.0	.0	.0	.0	.2
.9	.9	10.8	26.4	6.0	.5	.4	.5	.0	1.9
.6	2.3	15.2	22.6	6.8	.4	.4	.5	.0	.2
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
1.5	3.2	26.3	51.0	13.1	.9	.7	1.0	.0	2.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	82	81	79	76	75	73	78.7	352
06009	91	84	82	79	76	74	72	78.9	934
12015	95	87	85	81	78	75	73	80.8	578
18021	89	85	83	80	77	76	74	79.9	996
TOT	95	85	83	79	76	75	72	79.5	3060

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.9	38.4	49.1	11.6	82	112
06009	.0	.0	.8	36.0	52.8	10.4	83	125
12015	.0	.8	6.5	56.1	33.3	3.3	78	123
18021	.0	.8	4.5	55.3	34.1	5.3	79	132
TOT	0	2	16	230	207	37	80	492

JUNE

PERIOD: (PRIMARY) 1907-1973
(OVER-ALL) 1854-1973

APEA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

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	73 76	77 80	81 84	85 88	TOT	W FOG	NO FOG
7/8	.0	.0	.1	.1	2	.0	.3
6	.0	.0	.1	.3	3	.0	.4
5	.0	.0	.1	.3	3	.0	.4
4	.0	.1	1.2	.1	10	.1	1.3
3	.0	.4	1.3	.4	15	.0	2.2
2	.0	.7	4.0	.3	35	.0	5.1
1	.0	3.8	4.0	.1	55	.0	7.9
0	.6	10.4	7.6	.0	129	.6	18.0
-1	1.7	19.8	4.6	.0	181	.4	25.7
-2	1.2	12.6	3.8	.0	121	.4	17.0
-3	1.2	9.1	.6	.0	75	.3	10.5
-4	.7	3.9	.6	.0	36	.0	5.2
-5	.1	1.6	.6	.0	16	.0	2.3
-6	.0	.4	.0	.0	3	.0	.4
-7/-8	.3	.6	.0	.0	6	.0	.9
-9/-10	.4	.0	.0	.0	3	.0	.4
TOTAL	43	199	12	693	13	680	
PCT	6.2	63.3	28.7	1.7	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0	.0
1-2	.0	1.7	.0	.0	.0	.0	1.7	.0	1.0	.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.4	.1	.0	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	.4	.0	.0	.0	2.1	.7	1.8	.2	.0	.0	.0	.0	2.2

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.6	1.1	.0	.0	.0	.0	1.7	.8	2.0	.0	.0	.0	.0	.0	2.8
1-2	.4	8.1	.8	.0	.0	.0	9.3	.4	16.4	4.8	.0	.0	.0	.0	21.6
3-4	.0	6.3	2.6	.0	.0	.0	8.9	.0	9.2	6.8	.0	.0	.0	.0	16.1
5-6	.0	1.0	3.0	.0	.0	.0	4.0	.0	2.2	2.6	.0	.0	.0	.0	4.8
7	.0	.0	.8	.0	.0	.0	.8	.0	1.6	2.0	.0	.0	.0	.0	3.6
8-9	.0	.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	.4	.0	.0	.0	.0	.4
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	1.0	16.6	7.2	.0	.0	.0	24.8	1.2	31.4	16.7	.0	.0	.0	.0	49.3

PERIOD: (OVER-ALL) 1963-1973

JUNE

AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT
	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	.9	.4	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	
1-2	.8	6.0	1.2	.0	.0	.0	8.0	.0	.4	.0	.0	.0	.0	.4	
3-4	.0	2.5	2.1	.0	.0	.0	4.6	.0	.4	.0	.0	.0	.0	.8	
5-6	.0	.0	.7	.0	.0	.0	.7	.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	9.4	4.4	.0	.0	.0	14.7	.0	.8	.4	.0	.0	.0	1.2	

HGT	N							NW							TOTAL PCT
	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	.3	.7	.0	.0	.0	1.0	.0	.6	.1	.0	.0	.0	.7	
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.4	
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	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.3	1.1	.0	.0	.0	1.4	.0	.6	.5	.0	.0	.0	1.1 96.8	

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	4.3	.4	.0	.0	.0	9.8	
1-2	2.8	34.3	7.5	.0	.0	.0	44.5	
3-4	.0	18.5	13.0	.0	.0	.0	31.5	
5-6	.0	3.1	6.3	.0	.0	.0	9.4	
7	.0	1.6	2.8	.0	.0	.0	4.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.4	.0	.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	7.9	61.8	30.3	.0	.0	.0	100.0	254

PERIOD: (OVER-ALL) 1949-1973

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	12.5	16.8	8.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	131	3
6-7	.3	1.5	6.1	10.7	5.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	5
8-9	.0	.6	2.4	4.0	2.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
10-11	.0	.3	.3	.9	1.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
12-13	.0	.0	.9	.3	.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
>13	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	2.1	4.0	4.9	4.3	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	3
TOTAL	11	62	103	95	39	14	4	0	0	0	0	0	0	0	0	0	0	0	0	0	328	4
PCT	3.4	18.9	31.4	29.0	11.9	4.3	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	97.1
E	.0	1.0	.0	.0	.0	.0	.0	1.0	.4	.0	.5	.0	.0	.0	98.1
SE	.1	2.0	.2	.0	.0	.0	.0	2.4	.9	.0	.9	.0	.2	.0	95.5
S	1.3	.4	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	2.7	.0	95.5
SW	13.8	.0	.0	.0	.0	.0	.0	13.8	.0	.0	.0	.0	.0	.0	86.2
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	.0	.0	.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	.0	.0	100.0
TOT PCT	.4	1.5	.1	.0	.0	.0	.0	2.0	.7	.0	.7	.0	.5	.0	96.1
TOT OBS:	747														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	2.7	.7	.0	.0	.0	.0	3.4	1.4	.0	.0	.0	1.4	.0	93.8
06009	.5	1.9	.0	.0	.0	.0	.0	2.4	.5	.0	.5	.0	.5	.0	96.1
12015	.5	.0	.0	.0	.0	.0	.0	.5	.5	.0	.9	.0	.0	.0	98.4
18021	.5	1.4	.0	.0	.0	.0	.0	1.9	.5	.0	1.4	.0	.5	.0	95.8
TOT PCT	.4	1.5	.1	.0	.0	.0	.0	2.0	.7	.0	.7	.0	.5	.0	96.2
TOT OBS:	754														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.1	.0	.0	.0	.0	.1	6.3	.0	.0	.1	.0	.3	.0	.0	.1
NE	.0	.9	.4	.0	.0	.0	1.3	8.9	1.1	2.0	1.4	1.3	.4	1.3	.9	1.2
E	.7	14.8	9.0	.1	.0	.0	24.6	9.9	29.7	25.4	26.0	23.3	17.9	24.2	24.3	25.1
SE	1.1	28.9	28.8	1.1	.0	.0	59.9	11.3	54.8	60.8	57.9	60.9	63.4	59.5	61.9	58.6
S	.3	6.6	5.6	.2	.0	.0	12.7	10.8	13.5	10.2	13.7	12.9	16.7	13.6	11.2	12.5
SW	.*	.6	.5	.0	.0	.0	1.1	10.3	.8	1.0	.8	.9	1.3	1.1	1.1	1.5
W	.0	.*	.1	.0	.0	.0	.1	9.8	.0	.0	.0	.0	.0	.3	.1	.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3						.3	.0	.0	.6	.2	.5	.0	.0	.4	.6
TOT OBS	67	1438	1230	37	0	0	2772	10.6	155	345	477	375	172	375	534	339
TOT PCT	2.4	51.9	44.4	1.3	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.*	.*	.0	.0	.0	.1	6.3	.*	.1	.1	.1	
NE	.4	.8	.*	.0	.0	1.3	8.9	1.1	1.3	1.1	1.0	
E	5.5	17.3	1.8	.*	.0	24.6	9.9	26.7	24.8	22.2	24.6	
SE	7.2	43.5	9.0	.2	.0	59.9	11.3	59.0	59.2	60.7	60.7	
S	1.9	9.2	1.6	.*	.0	12.7	10.8	11.3	13.4	14.6	11.7	
SW	.2	.8	.1	.0	.0	1.1	10.3	1.0	.9	1.1	1.3	
W	.*	.1	.0	.0	.0	.1	9.8	.0	.0	.2	.2	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3					.3	.0	.4	.4	.0	.5	
TOT OBS	431	1988	347	6	0	2772	10.6	500	852	547	873	
TOT PCT	15.5	71.7	12.5	.2	.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	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	.4	3.2	55.6	40.6	.8	.0	.0	10.3	100.0	500	
06009	.4	2.2	54.2	42.1	1.1	.0	.0	10.6	100.0	852	
12015	.0	1.3	46.1	50.8	1.8	.0	.0	11.7	100.0	547	
18021	.5	1.8	51.4	44.7	1.6	.0	.0	10.8	100.0	873	
TOT	.9	5.8	143.8	123.0	3.7	.0	.0	10.8		2772	
PCT	.3	2.1	51.9	44.4	1.3	.0	.0	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 8 BSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.2	.3	.1	.0		3.3
E	12.0	8.2	3.3	.4		2.7
SE	24.9	22.5	10.4	2.4		3.1
S	5.5	4.1	3.9	.8		3.5
SW	.1	.0	.5	.3		5.5
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.2	.0		5.0
TOT OBS	211	174	91	19	495	3.1
TOT PCT	42.6	35.2	18.4	3.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS	
	000	150	300	600	1000	2000	3500	5000	6500	8000+			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5
E	.0	.0	.0	.5	.7	.2	.4	.2	.0	.0	.0	.0	21.9
SE	.0	.0	.0	1.2	2.6	2.0	.4	.4	.0	.0	.0	.2	53.4
S	.0	.0	.0	.0	1.7	.5	.1	.0	.0	.0	.0	.0	12.0
SW	.0	.0	.0	.0	.1	.5	.1	.0	.0	.0	.0	.0	.2
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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	.2
TOT OBS	211	174	91	19	25	16	5	3	0	1	436	495	
TOT PCT	42.6	35.2	18.4	3.8	100.0						88.1	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.2	.2	.2	.2	.2	.2	.2	.2
>4000	.8	.8	.8	.8	.8	.8	.8	.8
>3500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>2000	4.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0
>1000	9.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2
>600	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
>300	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
>150	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
>0	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
TOTAL	54	60	60	60	60	60	60	60

TOTAL NUMBER OF OBS: 498 PCT FREQ NH <5/8: 88.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	8 BSCD	TOTAL OBS
8.3	20.5	25.1	24.9	9.5	4.2	2.7	2.3	2.5	.0	518

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.5
	TOT %	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.5
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.5
	TOT %	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.5
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	1.1	.2	.1	.0	.0	.0	.0	.0	1.5
	NO PCP	.0	.8	8.1	14.2	4.4	.1	.0	.0	.0	.0	.0	27.4
	TOT %	.0	.8	8.1	15.3	4.6	.2	.0	.0	.0	.0	.0	28.9
10+	PCP	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.5
	NO PCP	.0	.4	17.3	40.9	9.9	.8	.1	.0	.0	.0	.1	69.5
	TOT %	.0	.4	17.6	41.1	10.0	.8	.1	.0	.0	.0	.1	70.0
TOT OBS													747
TOT PCT		.0	1.1	25.8	57.0	15.0	1.0	.1	.0	.0	.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.0	.2
	22+	.0	.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	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.2
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.4
2<5	0-3	.0	.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	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.1
5<10	0-3	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.1	.4
	4-10	.0	.1	2.3	3.8	.8	*	.1	.0	.0	.0	.0	7.1
	11-21	.0	.3	2.0	4.7	1.6	.1	.0	.0	.0	.0	.0	8.7
	22+	.0	.0	.0	.3	*	.0	.0	.0	.0	.0	.0	.4
	TOT %	.0	.3	4.4	9.0	2.5	.2	.1	.0	.0	.0	.1	16.5
10+	0-3	.0	.0	.7	1.0	.2	.0	.0	.0	.0	.0	.2	2.0
	4-10	.1	.7	13.0	26.2	5.3	.4	.0	.0	.0	.0	.0	45.8
	11-21	.0	.2	7.4	22.5	3.8	.5	*	.0	.0	.0	.0	34.4
	22+	.0	.0	.1	.5	*	.0	.0	.0	.0	.0	.0	.7
	TOT %	.1	1.0	21.2	50.2	9.3	.9	*	.0	.0	.0	.2	82.8
TOT OBS													1650
TOT PCT		.1	1.3	25.6	59.6	12.0	1.1	.1	.0	.0	.2	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	2.8	6.5	3.7	.9	.0	.0	.0	14.0	86.0	107
06009	.0	.0	.0	2.3	4.5	4.5	1.5	.8	.0	.0	13.5	86.5	133
12015	.0	.0	.0	1.4	4.2	2.1	.0	.7	.0	.7	9.1	90.9	143
18021	.0	.0	.0	.7	5.2	2.2	1.5	.7	.0	.0	10.4	89.6	134
TOT	0	0	0	9	26	16	5	3	0	1	60	457	517
PCT	.0	.0	.0	1.7	5.0	3.1	1.0	.6	.0	.2	11.6	88.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.6	.0	17.5	81.9	309
06009	.0	.0	.4	.0	18.2	81.4	494
12015	.0	.3	.0	.3	14.7	84.7	353
18021	.0	.6	.4	.0	16.0	83.0	501
TOT	0	4	6	1	276	1370	1657
PCT	.0	.2	.4	.1	16.7	82.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR CEILING HGT (FEET) NH >4/8) BY HOUR

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	3.0	11.9	85.1	101
06009	.0	.0	2.3	11.6	86.0	129
12015	.0	.0	1.4	8.0	90.6	138
18021	.0	.0	.8	10.0	89.2	130
TOT	0	0	9	51	438	498
PCT	.0	.0	1.8	10.2	88.0	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
85/89	.0	.0	.0	.0	.2	.2	.0	.0	2	.4
80/84	.0	.0	.0	.2	3.2	13.5	4.1	.2	114	21.2
75/79	.0	.0	.0	1.3	35.4	34.1	5.8	.4	413	76.6
70/74	.0	.0	.0	.0	.0	1.5	.4	.0	10	1.9
TOTAL	0	0	0	1	25	265	214	34	539	100.0
PCT	.0	.0	.0	.2	4.6	49.2	39.7	6.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.1	.1	.1	.0	.0	.0	.0	.0
.0	.1	4.6	12.0	4.0	.2	.0	.0	.0	.2
.0	.8	20.7	43.9	10.4	.7	.0	.0	.0	.0
.0	.0	.5	1.0	.4	*	.0	.0	.0	.0
.0	1.0	25.9	57.1	14.9	1.0	.0	.0	.0	.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	80	77	75	74	71	77.5	496
06009	84	82	80	78	75	74	72	77.7	850
12015	86	83	83	79	77	75	73	79.5	538
18021	88	84	82	79	75	75	73	78.8	863
TOT	88	84	82	78	76	74	71	78.4	2747

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	1.8	35.1	54.1	9.0	82	111
06009	.0	.0	2.1	38.2	52.1	7.6	81	144
12015	.0	.0	6.9	37.6	30.6	4.9	78	144
18021	.0	.7	6.9	60.7	26.9	4.8	78	143
TOT	0	1	25	265	218	35	80	944

PERIOD: (PRIMARY) 1911-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

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	73 76	77 80	81 84	85 88	TOT	M FOG	NO FOG
11/13	.0	.0	.0	.1	1	.0	.1
7/8	.0	.3	.0	.0	2	.0	.3
6	.0	.0	.3	.0	2	.0	.3
5	.0	.0	.6	.1	5	.0	.7
4	.0	.0	1.3	.0	10	.1	1.3
3	.0	.9	1.2	.0	14	.0	2.1
2	.0	1.9	.4	.1	17	.0	2.5
1	.3	9.4	2.1	.0	80	.1	11.6
0	1.5	16.5	2.9	.0	142	.1	20.8
-1	3.4	18.7	1.2	.0	158	.3	23.0
-2	2.7	14.7	.6	.0	122	.0	18.0
-3	1.8	6.8	.4	.0	61	.0	9.0
-4	1.6	2.8	.1	.0	31	.0	4.6
-5	2.2	1.3	.0	.0	24	.0	3.5
-6	.4	.0	.0	.0	3	.0	.4
-7/-8	.4	.4	.0	.0	6	.0	.9
-9/-10	.0	.1	.0	.0	1	.0	.1
TOTAL	97	77	3	679	5	674	
PCT	14.3	73.9	11.3	.4	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SFA HEIGHTS (FT)

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.6	.3	.0	.0	.0	.9	.5	2.6	.1	.0	.0	.0	.0	3.2
1-2	.0	6.7	.9	.0	.0	.0	7.6	.7	13.9	3.9	.0	.0	.0	.0	18.5
3-4	.0	2.2	7.1	.0	.0	.0	9.3	.1	8.2	15.6	.0	.0	.0	.0	23.9
5-6	.0	1.1	3.7	.3	.0	.0	5.1	.0	1.1	8.7	.1	.0	.0	.0	9.8
7	.0	.7	.0	.0	.0	.0	.7	.0	.0	3.9	.0	.0	.0	.0	3.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.3	12.0	.3	.0	.0	23.6	1.3	25.8	32.5	.1	.0	.0	.0	59.7

PERIOD: (OVER-ALL) 1963-1974

JULY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.2	.3	.0	.0	.0	4.5	.0	.2	.0	.0	.0	.0	.2
3-4	.3	2.6	4.3	.0	.0	.0	7.2	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.4	2.1	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.8	.0	.0	.0	.8	.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	.4	.0	.0	.0	.4	.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	7.2	7.9	.0	.0	.0	15.6	.0	.2	.0	.0	.0	.0	.2

HGT	W						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.1	3.2	.4	.0	.0	.0	4.7	
1-2	.7	25.6	5.1	.0	.0	.0	31.4	
3-4	.4	13.0	27.1	.0	.0	.0	40.4	
5-6	.0	2.5	14.4	.4	.0	.0	17.3	
7	.0	.7	4.7	.0	.0	.0	5.4	
8-9	.0	.0	.4	.0	.0	.0	.4	
10-11	.0	.0	.4	.0	.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	2.2	45.1	52.3	.4	.0	.0	100.0	277

PERIOD: (OVER-ALL) 1949-1974

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	6.8	12.0	9.6	4.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	4	
6-7	.0	.3	11.2	15.0	3.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	5
8-9	.0	.8	2.5	3.6	4.9	1.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	6
10-11	.0	.3	.8	1.1	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
12-13	.0	.0	.5	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.5	3.8	6.8	1.9	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	3
TOTAL	4	44	124	115	60	14	4	1	0	0	0	0	0	0	0	0	0	0	0	0	366	4	
PCT	1.1	12.0	33.9	31.4	16.4	3.8	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1855-1974

AUGUST

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	98.0
SE	.0	1.1	.0	.0	.0	.0	.0	1.1	.1	.2	.6	.0	.1	.2	97.7
S	.0	1.5	.9	.0	.0	.0	.0	2.4	.7	.0	1.7	.0	.6	.0	94.8
SW	21.1	.0	.0	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0	.0	78.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.1	1.0	.1	.0	.0	.0	.0	1.3	.1	.1	1.0	.0	.1	.1	97.2
TOT OBS:	707														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00Z03	.0	1.4	.0	.0	.0	.0	.0	1.4	.0	.0	.7	.0	.0	.0	98.0
06Z09	.0	.6	.6	.0	.0	.0	.0	1.1	.6	.6	1.7	.0	.0	.6	95.5
12Z15	.6	1.1	.0	.0	.0	.0	.0	1.7	.0	.0	1.1	.0	.6	.0	96.7
18Z21	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.5	.0	.0	.0	98.5
TOT PCT	.1	1.0	.1	.0	.0	.0	.0	1.3	.1	.1	1.0	.0	.1	.1	97.2
TOT OBS:	707														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	*	.0	.0	.0	.0	.0		2.0	.0	.0	.2	.0	.0	.0	.0	.0
NE	*	.1	.1	.0	.0	.0		9.0	.3	.3	.3	.3	.0	.1	.2	.7
E	.2	8.4	5.8	.1	.0	.0	14.5	10.3	15.7	16.7	15.3	19.8	12.3	14.6	12.9	15.0
SE	.3	31.0	35.7	1.3	.0	.0	68.3	11.7	64.9	65.5	64.4	68.9	70.4	69.5	72.4	68.6
S	.1	7.6	8.1	.4	.0	.0	16.2	11.6	17.4	16.9	18.4	16.8	16.1	15.6	14.3	15.5
SW	.0	.2	.3	*	.0	.0	.5	12.5	.5	.6	1.2	.6	1.2	.3	.2	.1
W	.0	*	.0	.0	.0	.0	*	5.0	.7	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.7	.0	.0	.0	.0	.0	.0	.0
TOT OBS	19	1277	1946	49	0	0	2691	11.5	191	320	437	341	191	371	522	338
TOT PCT	.7	47.5	50.0	1.8	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	*	.0	.0	.0	.0		2.0	.0	.1	.0	.0	.0
NE	.1	.2	*	.0	.0		9.0	.3	.3	.1	.4	.4
E	2.2	11.3	1.1	.0	.0	14.5	10.3	16.4	14.8	13.8	13.8	13.8
SE	5.9	52.5	9.7	.2	.0	68.3	11.7	65.3	66.2	69.8	70.9	70.9
S	1.8	11.8	2.6	*	.0	16.2	11.6	17.0	17.7	15.7	14.8	14.8
SW	*	.4	.1	.0	.0	.5	12.5	.5	.9	.6	.2	.2
W	*	.0	.0	.0	.0	*	5.0	.2	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	*	.0	.0	.0	.0	*	.0	.2	.0	.0	.0	.0
TOT OBS	271	2051	362	7	0	2691	11.5	471	798	562	860	860
TOT PCT	10.1	76.2	13.5	.3	.0	100.0		100.0	100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1855-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.0N 29.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.2	.6	57.5	40.3	1.3	.0	.0	10.6	100.0	471
06009	.0	1.1	49.6	47.7	1.5	.0	.0	11.3	100.0	798
12015	.0	.2	41.8	55.5	2.5	.0	.0	12.0	100.0	562
18021	.0	.6	43.6	53.8	2.0	.0	.0	11.7	100.0	860
TOT	1	18	1277	1346	49	0	0	11.5		2891
PCT	*	.7	47.5	50.0	1.8	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 8	TOTAL	MEAN CLOUD COVER
N	.0	.0	.2	.0		7.0
NE	.1	.1	.2	.0		3.8
E	7.0	3.6	1.9	.1		2.7
SE	28.6	29.1	11.9	2.1		3.0
S	6.7	6.9	4.1	.7		3.4
SW	.0	.3	.3	.2		3.4
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	208	176	91	15	490	3.1
TOT PCT	42.4	35.9	18.6	3.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.2	.4	.2	.0	.2	.0	.0	.2	.2	11.6
.1	.0	.2	1.3	3.3	1.7	.8	.5	.0	.3	.3	39.3
.1	.0	.0	.0	.7	.6	.2	.3	.0	.0	.0	16.6
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.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	0	2	8	20	12	6	4	0	2	.4	43.5
.2	.0	.4	1.6	4.1	2.4	1.2	.8	.0	.4	.8	88.8
											490
											100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.4	.4	.4	.4	.4	.4	.4	.4
>5000	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
>3500	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
>2000	4.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
>1000	8.2	9.0	9.0	9.0	9.0	9.0	9.0	9.0
>600	9.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
>300	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
>150	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
>0	10.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
TOTAL	50	55	55	55	55	55	55	55

TOTAL NUMBER OF OBS: 490

PCT FREQ NH <5/8: 88.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.1	20.9	27.0	20.7	13.8	5.0	3.4	1.1	1.9	.0	522

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.3	.7	.3	.0	.0	.0	.0	.0	.0	1.3
	TOT %	.0	.0	.3	.7	.3	.0	.0	.0	.0	.0	.0	1.3
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
2<5	PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
5<10	PCP	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.6
	NO PCP	.0	.1	4.0	16.1	2.2	.4	.0	.0	.0	.0	.0	22.8
	TOT %	.0	.1	4.0	16.5	2.3	.4	.0	.0	.0	.0	.0	23.4
10+	PCP	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.6
	NO PCP	.1	.2	9.9	30.6	13.4	.2	.0	.0	.0	.0	.0	74.5
	TOT %	.1	.2	9.9	31.0	13.6	.2	.0	.0	.0	.0	.0	75.1
TOT OBS		.1	.4	14.3	68.2	16.3	.7	.0	.0	.0	.0	100.0	707
TOT PCT		.1	.4	14.3	68.2	16.3	.7	.0	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.5
	22+	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.6
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.8	3.2	.6	.0	.0	.0	.0	.0	.0	4.6
	11-21	.0	.0	1.3	3.9	1.0	.1	.0	.0	.0	.0	.0	6.3
	22+	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.5
	TOT %	.0	.1	2.1	7.5	1.7	.2	.0	.0	.0	.0	.0	13.6
10+	0-3	.1	.1	.2	.3	.0	.0	.0	.0	.0	.0	.1	.6
	4-10	.0	.1	7.1	27.5	7.2	.1	.1	.0	.0	.0	.0	42.1
	11-21	.0	.0	4.5	30.4	6.6	.2	.0	.0	.0	.0	.0	41.6
	22+	.0	.0	.1	.7	.3	.0	.0	.0	.0	.0	.0	1.1
	TOT %	.1	.2	11.9	58.9	14.1	.2	.1	.0	.0	.0	.1	85.3
TOT OBS		.1	.3	14.1	68.9	16.0	.5	.1	.0	.0	.1	100.0	1354
TOT PCT		.1	.3	14.1	68.9	16.0	.5	.1	.0	.0	.1	100.0	

AUGUST

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1853-1974

AREA 0024 ST. PETER AND PAUL ROCKS
LN 29.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.9	.0	.0	.9	2.6	1.7	1.7	.0	.0	.0	7.8	92.2	116
06009	.0	.0	.0	2.6	5.3	1.8	1.8	.0	.0	.0	11.4	88.6	114
12015	.0	.0	.7	2.0	3.3	2.6	1.3	1.3	.0	.7	11.9	88.1	131
18021	.0	.0	.7	.7	4.4	2.9	.0	1.5	.0	.7	11.0	89.0	136
TOT	1	0	2	8	20	12	6	4	0	2	55	462	517
PCT	.2	.0	.4	1.5	3.9	2.3	1.2	.8	.0	.4	10.6	89.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	.0	.3	.0	.3	14.3	35.0	287
06009	.0	.7	.0	.2	15.0	84.1	421
12015	.0	.5	.3	.5	10.9	87.7	366
18021	.0	.6	.0	.2	14.0	85.2	480
TOT	0	9	1	5	211	1328	1594
PCT	.0	.6	.1	.3	13.6	85.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR CEILING HGT (FEET) NH >4/8) BY HOUR

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00003	1.0	1.0	1.9	6.7	91.3	104
06009	.0	.0	2.9	9.7	87.4	103
12015	.0	.7	3.4	9.4	87.2	149
18021	.0	.7	1.5	9.7	88.8	134
TOT	1	3	12	44	434	490
PCT	.2	.6	2.4	9.0	88.6	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 DBS	PCT FREQ
85/89	.0	.0	.0	.0	.4	.0	.0	.0	2	.4
80/84	.0	.0	.0	.2	2.2	13.3	1.2	1.6	94	18.6
75/79	.0	.0	.0	.0	.8	38.6	35.6	4.4	401	79.4
70/74	.0	.0	.0	.0	.0	.0	.8	.8	8	1.6
TOTAL	0	0	0	1	17	263	190	34	505	100.0
PCT	.0	.0	.0	.2	3.4	52.1	37.6	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
80/84	.0	.0	2.1	11.6	4.7	.2	.0	.0	.0	.0
75/79	.2	.1	12.3	54.4	11.9	.4	.0	.0	.0	.0
70/74	.0	.2	.4	.8	.2	.0	.0	.0	.0	.0
TOTAL	.2	.3	14.8	67.2	16.8	.6	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	85	81	79	77	75	73	72	77.3	467
06009	85	81	80	77	75	74	72	77.3	791
12015	85	84	82	79	77	75	73	79.2	551
18021	88	85	82	78	76	75	73	78.6	843
TOT	88	84	81	78	75	74	72	78.1	2652

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	.0	.8	35.8	54.2	9.2	82	120	
06009	.0	.0	.0	.0	38.1	55.7	8.2	82	122	
12015	.0	.7	5.7	72.1	16.4	5.0	77	140		
18021	.0	.0	6.5	61.0	27.6	4.9	78	123		
TOT	0	1	17	263	190	34	80	505		

AUGUST

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1855-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

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	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WD FOG
9/10	.0	.0	.0	.0	.2	1	.0	.2
7/8	.0	.0	.2	.0	.0	1	.0	.2
6	.0	.0	.0	.2	.0	1	.0	.2
5	.0	.0	.2	.8	.3	8	.0	1.3
4	.0	.0	.2	.2	.0	2	.0	.3
3	.0	.0	.8	1.8	.0	16	.0	2.6
2	.0	.2	3.3	1.1	.0	28	.0	4.6
1	.0	.5	10.1	1.6	.0	75	.0	12.2
0	.0	2.3	18.5	1.1	.0	135	.2	21.8
-1	.0	3.9	19.3	.8	.0	148	.2	23.9
-2	.0	5.0	12.7	.2	.0	110	.0	17.9
-3	.2	2.8	4.9	.2	.0	49	.0	8.0
-4	.0	1.3	2.4	.0	.0	23	.3	3.4
-5	.0	1.0	1.5	.0	.0	15	.0	2.4
-6	.0	.0	.2	.0	.0	1	.0	.2
-7/-8	.0	.0	.3	.0	.0	2	.0	.3
TOTAL	1	104	438	49	3	615	4	611
PCT	.2	16.9	74.5	8.0	.5	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.9	.0	.0	.0	.0	.9	.0	.3	.0	.0	.0	.0	.0	.3
1-2	.0	3.2	.5	.0	.0	.0	3.7	.0	15.9	5.3	.0	.0	.0	.0	21.2
3-4	.0	2.2	2.5	.0	.0	.0	4.7	.0	9.8	21.7	.0	.0	.0	.0	31.6
5-6	.0	.3	.3	.0	.0	.0	.7	.0	2.8	9.7	.1	.0	.0	.0	12.5
7	.0	.0	1.2	.3	.0	.0	1.5	.0	.0	3.1	.2	.0	.0	.0	3.3
8-9	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	4.8	.3	.0	.0	11.7	.0	28.8	39.9	.3	.0	.0	.0	69.0

PERIOD: (OVER-ALL) 1963-1974

AUGUST

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	1.7	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.8	3.6	.0	.0	.0	6.5	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.7	4.7	.3	.0	.0	5.7	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.5	.6	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.7	.0	.0	.0	.7	.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	.0	6.8	11.3	.9	.0	.0	19.0	.0	.0	.2	.0	.0	.0	.2

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	1.4	.0	.0	.0	.0	1.4	
1-2	.0	22.4	7.6	.0	.0	.0	30.0	
3-4	.0	14.8	27.9	.0	.0	.0	42.8	
5-6	.0	3.8	14.8	.3	.0	.0	19.0	
7	.0	.0	4.8	1.0	.0	.0	5.9	
8-9	.0	.0	1.0	.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	.0	42.4	56.2	1.4	.0	.0	100.0	290

PERIOD: (OVER-ALL) 1949-1974

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	1.0	7.7	14.4	8.2	2.7	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	142	4
6-7	.0	.2	8.2	13.4	6.2	1.5	.5	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	5
8-9	.0	.5	1.0	7.7	4.0	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	6
10-11	.0	.0	.0	1.5	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
12-13	.0	.0	.5	.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
>13	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	.0	2.5	6.0	3.0	2.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	4
TOTAL	4	44	121	137	69	18	6	1	0	2	0	0	0	0	0	0	0	0	0	0	402	5
PCT	1.0	10.9	30.1	34.1	17.2	4.5	1.5	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	81.8
E	.4	2.2	.0	.0	.0	.0	.0	2.7	.0	.0	.4	.0	.0	.0	96.9
SE	.4	1.8	.2	.0	.0	.0	.0	2.3	1.3	.0	1.2	.0	.0	.0	95.1
S	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	98.8
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	33.3	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
TOT PCT	.4	1.6	.2	.0	.0	.0	.0	2.2	.9	.0	1.0	.0	.0	.0	96.0
TOT OBS:	816														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	.0	1.1	.0	.0	.0	.0	.0	1.1	.6	.0	1.1	.0	.0	.0	97.1
0600Z	1.3	2.2	.4	.0	.0	.0	.0	3.9	.9	.0	1.3	.0	.0	.0	93.9
1201Z	.0	1.0	.5	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	.0	97.1
1802Z	.0	1.9	.0	.0	.0	.0	.0	1.9	.5	.0	1.4	.0	.0	.0	96.3
TOT PCT	.4	1.6	.2	.0	.0	.0	.0	2.2	.9	.0	1.0	.0	.0	.0	96.0
TOT OBS:	821														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.1	.1	.0	.0	.0	.0	.2	7.5	.6	.0	.4	.5	.0	.1	.1
E	.1	7.3	4.7	.3	.0	.0	.0	12.4	10.6	15.3	15.2	14.1	11.1	10.2	11.4	10.6
SE	.7	29.9	38.4	.7	.0	.0	.0	67.8	11.7	63.7	67.6	63.5	67.0	69.0	70.5	71.4
S	.3	9.5	8.6	.3	.0	.0	.0	18.8	11.0	19.1	18.0	21.2	20.5	20.4	17.3	17.2
SW	.0	.4	.2	.1	.0	.0	.0	.6	10.5	.1	.6	.7	.9	.4	.7	.6
W	.0	.0	.0	.0	.0	.0	.0	.0	9.0	.0	.0	.0	.0	.0	.1	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0	.0	.0	.2	.0	1.2	.6	.2	.0	.0	.0	.0
TOT OBS	37	1290	1363	36	0	0	2726	11.4		170	335	486	324	189	348	304
TOT PCT	1.4	47.3	50.0	1.3	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-6	7-16	17-27	28-40				00	03	09	12	18	21
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.1	.0	.0	.0	.0	.2	7.5	.2	.4	.1	.1	.1
E	2.1	9.0	1.4	.0	.0	.0	12.4	10.6	15.2	12.9	10.9	11.2	11.2
SE	6.9	49.8	11.0	.1	.0	.0	67.8	11.7	66.3	64.9	70.0	70.0	70.0
S	2.2	14.6	1.8	.1	.0	.0	18.8	11.0	17.0	20.9	18.4	18.0	18.0
SW	.2	.4	.0	.0	.0	.0	.6	10.5	.4	.8	.6	.7	.7
W	.0	.0	.0	.0	.0	.0	.0	9.0	.0	.0	.0	.0	.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0	.0	.2	.0	.8	.1	.0	.0	.0
TOT OBS	320	2014	388	4	0	2726	11.4		505	810	537	874	874
TOT PCT	11.7	73.9	14.2	.1	.0	100.0			100.0	100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.8	1.2	51.5	45.0	1.6	.0	.0	10.9	100.0	505
06009	.1	1.2	51.4	46.0	1.2	.0	.0	11.1	100.0	810
12015	.0	.9	40.8	56.8	1.5	.0	.0	12.0	100.0	537
18021	.0	1.3	49.2	52.4	1.1	.0	.0	11.5	100.0	874
TOT	.5	.32	1290	1363	36	0	0	11.4		2728
PCT	.2	1.2	47.3	50.0	1.3	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.0	.0	.0	.0	.0	3.0
E	6.5	3.3	2.8	.4		2.9
SE	29.7	22.0	12.4	2.2		3.1
S	6.9	7.4	4.8	.8		3.5
SW	.1	.3	.1	.0		4.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.2		8.0
TOT OBS	254	195	118	21	588	3.1
TOT PCT	43.2	33.2	20.1	3.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.6	1.1	.7	.0	.0	.0	.0	.0	10.5
.0	.0	.2	1.4	4.3	1.4	.3	.2	.3	.0	.0	58.1
.0	.0	.0	1.1	2.1	.6	.2	.2	.0	.0	.0	16.6
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.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	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	1	14	45	16	3	2	3	0	.0	504
.0	.0	.2	2.4	7.7	2.7	.5	.3	.5	.0	.0	85.7

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.5	.5	.5	.5	.5	.5	.5	.5
>5000	.7	.8	.8	.8	.8	.8	.8	.8
>3500	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
>2000	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
>1000	10.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
>600	12.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1
>300	12.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2
>150	12.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2
>0	12.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2
TOTAL	76	84	84	84	84	84	84	84

TOTAL NUMBER OF OBS: 590

PCT FREQ NH <5/8: 85.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.1	21.5	26.6	18.5	12.9	5.4	3.5	3.5	2.1	.0	606

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.1	.8	.1	.0	.0	.0	.0	.0	.0	1.0
	TOT %	.0	.0	.1	.8	.1	.0	.0	.0	.0	.0	.0	1.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.1	.4	1.2	.1	.0	.0	.0	.0	.1	.1	1.8
	NO PCP	.0	.1	3.7	13.8	4.7	.2	.0	.0	.0	.0	.0	22.4
	TOT %	.0	.1	4.1	15.0	4.8	.2	.0	.0	.0	.1	.1	24.3
10+	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4
	NO PCP	.0	.2	9.7	49.2	14.7	.4	.0	.0	.0	.0	.2	74.4
	TOT %	.0	.2	9.7	49.5	14.7	.4	.0	.0	.0	.0	.2	74.8
TOT OBS													816
TOT PCT		.0	.3	13.8	65.3	19.6	.6	.0	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.2
	11-21	.0	.0	*	.2	*	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.4	.1	.0	.0	.0	.0	.0	.0	.5
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.2
5<10	0-3	.0	*	*	.1	.1	.0	.0	.0	.0	.1	.1	.2
	4-10	.0	*	.8	3.6	1.8	.1	.0	.0	.0	.0	.0	6.4
	11-21	.0	.0	1.2	5.7	1.2	.0	.0	.0	.0	.0	.0	8.1
	22+	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4
	TOT %	.0	.1	2.2	9.5	3.0	.1	.0	.0	.0	.1	.1	15.1
10+	0-3	.0	.0	*	.3	.2	.0	.0	.0	.0	.1	.1	.7
	4-10	.0	.0	*	6.0	25.6	8.4	.4	.0	.0	.0	.0	40.4
	11-21	.0	.1	3.8	31.0	7.3	.2	.0	.0	.0	.0	.0	42.4
	22+	.0	.0	.1	.2	.3	.0	.0	.0	.0	.0	.0	.6
	TOT %	.0	.1	9.9	57.2	16.2	.6	.0	.0	.0	.1	.1	84.2
TOT OBS													1660
TOT PCT		.0	.2	12.2	67.3	19.4	.7	.0	.0	.0	.2	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.7	2.9	6.6	3.6	.7	.0	.7	.0	15.3	84.7	137
06009	.0	.0	.0	3.9	9.8	3.3	.7	.7	.7	.0	19.0	81.0	153
12015	.0	.0	.0	1.2	7.1	2.4	.0	.0	.6	.0	11.2	88.8	169
18021	.0	.0	.0	1.4	6.3	1.4	.7	.7	.0	.0	10.5	89.5	143
TOT	0	0	1	14	45	16	3	2	3	0	84	518	602
PCT	.0	.0	.2	2.3	7.5	2.7	.5	.3	.5	.0	14.0	86.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	.6	.0	.6	14.9	83.9	329
06009	.0	.6	.0	.2	18.3	80.9	492
12015	.0	.0	.0	.0	10.5	89.5	361
18021	.0	.8	.0	.2	15.7	83.2	483
TOT	0	9	0	4	253	1399	1665
PCT	.0	.5	.0	.2	15.2	84.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8) BY HOUR

HR	<150	<600	<1000	1000+	NH <5/8	TOTAL
(GMT)	<500D	<1	<5	AND5+	AND 5+	OBS
00003	.0	.7	3.7	11.8	84.6	136
06009	.0	.0	4.0	15.4	80.5	149
12015	.0	.0	1.2	10.2	88.6	166
18021	.0	.0	1.4	9.4	89.2	139
TOT	0	1	15	69	506	590
PCT	.0	.2	2.5	11.7	85.8	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	PCT
									OBS	FREQ
85/89	.0	.0	.0	.0	.2	.2	.0	.0	2	.4
80/84	.0	.0	.0	.0	1.9	15.3	2.5	.6	105	20.3
75/79	.0	.0	.0	.0	.8	36.1	34.7	6.4	404	78.0
70/74	.0	.0	.0	.0	.2	.8	.4	.4	7	1.4
TOTAL	0	0	0	0	15	268	197	38	518	100.0
PCT	.0	.0	.0	.0	2.9	51.7	38.0	7.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0
80/84	.0	.0	1.3	14.1	4.5	.4	.0	.0	.0	.0
75/79	.0	.2	12.2	45.6	19.5	.3	.0	.0	.0	.2
70/74	.0	*	.3	.6	.2	.0	.0	.0	.0	.2
TOTAL	.0	.2	13.9	60.6	24.2	.7	.0	.0	.0	.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	82	81	79	77	75	74	70	77.4	501
06009	85	82	80	77	75	74	69	77.6	797
12015	88	85	83	79	77	76	74	79.6	521
18021	89	86	82	78	76	75	70	78.9	854
TOT	89	84	82	78	76	74	69	78.4	2673

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00003	.0	.0	.0	35.7	56.3	7.9	82	126
06009	.0	.0	2.3	40.2	47.0	10.6	82	132
12015	.0	.0	5.2	71.1	19.3	4.4	77	135
18021	.0	.0	4.7	58.3	30.7	6.3	79	127
TOT	0	0	16	268	198	38	80	520

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
60N 29.5W

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	73 76	77 80	81 84	85 88	TOT	% FOG	% FDG
7/8	.0	.0	.1	.0	1	.0	.1
5	.0	.0	.1	.1	2	.0	.3
4	.0	.4	1.1	.0	11	.0	1.5
3	.0	.7	1.2	.1	15	.0	2.0
2	.1	2.6	1.2	.0	29	.0	3.9
1	.3	7.7	2.3	.0	76	.1	10.2
0	3.4	19.2	1.9	.0	177	.1	23.9
-1	3.7	25.7	.4	.0	219	.8	28.9
-2	2.0	11.4	.1	.0	100	.0	13.6
-3	1.4	6.1	.0	.0	55	.0	7.5
-4	1.4	2.6	.1	.0	30	.0	4.1
-5	.8	.7	.0	.0	11	.0	1.5
-6	.5	.3	.0	.0	6	.0	.8
-7/-8	.3	.3	.0	.0	4	.0	.5
TOTAL	102	571	61	2	736	8	728
PCT	13.9	77.6	8.3	.3	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3
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	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.5	.0	.0	.0	.0	.5	.0	1.0	.0	.0	.0	.0	1.0
1-2	.2	3.2	.3	.0	.0	.0	3.7	.1	13.3	4.1	.0	.0	.0	17.5
3-4	.0	3.0	1.9	.0	.0	.0	4.8	.0	9.9	18.7	.0	.0	.0	28.6
5-6	.0	.5	3.2	.0	.0	.0	3.7	.0	.6	17.5	.0	.0	.0	18.1
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	3.2	.0	.0	.0	3.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.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
23-25	.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	.8	.0	.0	.0	.8
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	7.2	6.2	.0	.0	.0	13.6	.1	24.9	43.6	.0	.0	.0	68.6

PERIOD: (OVER-ALL) 1963-1974

SEPTEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.2	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1
1-2	.3	3.7	1.3	.0	.0	.0	5.3	.0	.1	.0	.0	.0	.0	.1
3-4	.0	2.4	3.9	.0	.0	.0	6.3	.0	.1	.0	.0	.0	.0	.1
5-6	.0	1.0	2.4	.0	.0	.0	3.4	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.3	.0	.0	.0	.0	.3	.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	.3	7.5	9.1	.0	.0	.0	16.9	.0	.3	.1	.0	.0	.0	.3

HGT	K						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.3	1.8	.0	.0	.0	.0	2.1	
1-2	.5	20.4	5.7	.0	.0	.0	26.5	
3-4	.0	15.5	24.7	.0	.0	.0	40.2	
5-6	.0	2.1	23.2	.0	.0	.0	25.3	
7	.0	.0	5.4	.0	.0	.0	5.4	
8-9	.0	.0	.3	.0	.0	.0	.3	
10-11	.0	.3	.0	.0	.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	39.9	59.3	.0	.0	.0	100.0	388

PERIOD: (OVER-ALL) 1949-1974

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	1.3	7.6	20.6	16.8	2.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	4
6-7	.0	.4	7.4	10.5	5.5	2.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	129	5
8-9	.0	.4	1.7	4.0	2.3	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	6
10-11	.0	.0	.4	.8	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
12-13	.0	.0	.0	.2	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.2	3.2	3.6	2.7	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50	4
TOTAL	.7	95	160	167	55	24	6	1	0	0	0	0	0	0	0	0	0	0	0	0	475	4
PCT	1.5	11.6	33.7	35.2	11.6	5.1	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.9	.0	.0	.0	.0	.0	.9	2.0	.6	.0	.0	.0	.0	96.6
SE	1.0	2.6	.2	.0	.0	.0	.0	3.7	3.0	.4	.9	.0	.0	.0	92.0
S	.9	2.6	.0	.0	.0	.0	.0	3.5	.7	.0	.4	.0	.0	.0	95.4
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.7	2.2	.1	.0	.0	.0	.0	3.0	2.4	.4	.6	.0	.0	.0	93.6
TOT OBS:	823														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
0000	.0	2.1	.0	.0	.0	.0	.0	2.1	2.6	1.0	.0	.0	.0	.0	94.3
0600	.9	1.9	.5	.0	.0	.0	.0	2.3	3.6	.5	1.4	.0	.0	.0	92.3
1200	.6	2.8	.0	.0	.0	.0	.0	3.3	1.1	.0	.0	.0	.0	.0	95.6
1800	1.3	3.1	.0	.0	.0	.0	.0	4.4	2.2	.0	.9	.0	.0	.0	92.6
TOT PCT	.7	2.2	.1	.0	.0	.0	.0	3.0	2.4	.4	.6	.0	.0	.0	93.6
TOT OBS:	823														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0	.1	5.5	.0	.1	.2	.0	.3	.0	.0	.0	
NE	.0	.5	.1	.0	.0	.0	.6	7.5	1.2	.4	.7	.2	1.4	.3	.8	.3	
E	.2	9.5	4.9	.2	.0	.0	14.7	10.0	14.4	15.2	15.6	12.9	19.3	12.6	13.6	15.3	
SE	.6	32.2	32.8	.7	.0	.0	66.2	11.3	64.6	64.9	65.7	66.1	59.2	68.6	67.5	67.7	
S	.1	9.1	8.3	.3	.0	.0	17.8	11.0	14.8	18.6	16.8	19.9	19.8	18.1	18.0	16.2	
SW	.0	.3	.1	.0	.0	.0	.4	9.2	.9	.5	.7	.8	.0	.3	.1	.4	
W	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.2	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.0	.0	.0	.0	.1	.0	.0	.3	.4	.0	.0	.0	.0	.0	
TOT OBS	33	1601	1430	35	0	0	3099	11.0	187	380	538	409	174	433	582	396	
TOT PCT	1.1	51.7	48.1	1.1	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40				00	03	06	09	12	18		
N	.0	.0	.0	.0	.0	.0	.1	5.5	.1	.1	.1	.0	.0	.0	.0
NE	.3	.3	.0	.0	.0	.0	.6	7.5	.7	.4	.6	.6	.6	.6	.6
E	3.2	10.2	1.2	.0	.0	.0	14.7	10.0	16.3	14.4	14.3	14.3	14.3	14.3	14.3
SE	8.5	48.3	9.4	.1	.0	.0	66.2	11.3	64.6	65.9	65.9	67.6	67.6	67.6	67.6
S	2.8	12.9	2.2	.0	.0	.0	17.8	11.0	17.4	18.2	18.6	17.3	17.3	17.3	17.3
SW	.1	.3	.0	.0	.0	.0	.4	9.2	.7	.7	.2	.2	.2	.2	.2
W	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.1	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.0	.0	.0	.1	.0	.2	.2	.0	.0	.0	.0	.0
TOT OBS	465	2233	397	4	0	3099		11.0	567	947	607	978	978	978	978
TOT PCT	15.0	72.1	12.8	.1	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1911-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.2	1.6	55.6	41.3	1.4	.0	.0	10.7	100.0	567
06009	.2	1.2	55.3	42.6	.7	.0	.0	10.6	100.0	947
12015	.0	.7	47.0	51.4	1.0	.0	.0	11.5	100.0	607
18021	.0	.6	48.8	49.2	1.4	.0	.0	11.2	100.0	978
TOT	3	30	1601	1430	35	0	0	11.0		3099
PCT	.1	1.0	51.7	46.1	1.1	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.6	.3	.4	.0		3.0
E	9.2	7.2	4.1	.9		3.2
SE	20.0	22.4	15.8	4.8		3.7
S	4.7	4.6	3.5	1.1		3.7
SW	.0	.0	.3	*		6.2
W	.0	.0	.0	.0		.0
NH	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	199	200	140	40	579	3.6
TOT PCT	34.4	34.5	24.2	6.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	CEILING HEIGHTS (FT/NH >4/8)										NH <5/8 ANY HGT	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.1
E	.0	.0	.0	.0	1.4	.8	.5	.1	.0	.0	.2	18.4
SE	.0	.0	.2	1.9	4.7	2.8	1.3	.1	.0	1.3	50.7	
S	.0	.0	.0	.2	1.3	.3	.1	.2	.0	.1	11.7	
SW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NH	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	149	299	599	999	1999	3499	4999	6499	7999		9	476
TOT PCT	.0	.0	.2	2.1	7.6	4.1	1.9	.3	.0	1.6	82.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)								
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	
>8500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
>8000	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
>3500	3.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
>2000	7.3	7.8	8.0	8.0	8.0	8.0	8.0	8.0	
>1000	14.0	15.4	15.6	15.6	15.6	15.6	15.6	15.6	
>800	15.4	17.3	17.5	17.7	17.7	17.7	17.7	17.7	
>300	15.6	17.5	17.7	17.9	17.9	17.9	17.9	17.9	
>150	15.6	17.5	17.7	17.9	17.9	17.9	17.9	17.9	
>0	15.6	17.5	17.7	17.9	17.9	17.9	17.9	17.9	
TOTAL	90	101	102	103	103	103	103	103	

TOTAL NUMBER OF OBS: 577

PCT FREQ NH <5/8: 82.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	DBSCD	TOTAL OBS
	5.0	19.8	22.8	21.9	13.1	6.0	3.7	3.5	4.2	.0	597

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
1<2	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
2<5	PCP	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.2
	TOT %	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.1	1.7	.4	.0	.0	.0	.0	.0	.0	2.2
	NO PCP	.0	.2	4.9	16.2	3.3	.1	.0	.0	.0	.0	.0	24.7
	TOT %	.0	.2	5.0	17.9	3.7	.1	.0	.0	.0	.0	.0	26.9
10+	PCP	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.6
	NO PCP	.0	.8	16.0	45.0	10.0	.2	.0	.0	.0	.0	.0	71.9
	TOT %	.0	.8	16.2	45.4	10.0	.2	.0	.0	.0	.0	.0	72.5
TOT OBS													823
TOT PCT		.0	1.0	21.1	63.7	13.9	.3	.0	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	4-10	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.1	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.1	*	.0	.0	.0	.0	.0	.1	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	*	.0	.0	.0	.0	.0	.0	.1
2<5	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	.1
	4-10	.0	.0	.0	.1	*	*	.1	.0	.0	.0	.2	.2
	11-21	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.2	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.1	.2	.1	*	.1	.0	.0	.0	.0	.5
5<10	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.1
	4-10	*	.2	1.9	4.8	1.0	.0	.0	.1	.0	.0	8.0	8.0
	11-21	.0	.0	.9	5.9	1.3	*	.0	.0	.0	.0	8.1	8.1
	22+	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.2	.2
	TOT %	*	.2	2.8	10.8	2.4	*	.0	.1	.0	.1	16.3	16.3
10+	0-3	.1	.0	.2	.4	.1	*	.0	.0	.0	.1	.8	.8
	4-10	*	.4	8.3	27.1	7.8	.4	.0	.0	.0	.0	44.1	44.1
	11-21	.0	.1	4.6	26.8	6.2	.1	.0	.0	.0	.0	37.7	37.7
	22+	.0	.0	*	.2	*	.0	.0	.0	.0	.0	.3	.3
	TOT %	.1	.5	13.2	54.5	14.1	.5	.0	.0	.0	.1	82.9	82.9
TOT OBS													1695
TOT PCT		.1	.6	16.1	63.7	16.7	.5	.1	.1	.0	.1	100.0	

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PERIOD: (PRIMARY) 1911-1973
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AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00Z03	.0	.0	.0	2.0	6.7	5.3	2.7	.0	.0	3.3	20.0	80.0	150
06Z09	.0	.0	.7	2.1	10.4	3.5	2.1	.0	.0	1.4	20.1	79.9	144
12Z15	.0	.0	.0	2.1	6.2	2.1	.7	.7	.0	.0	11.6	88.4	146
18Z21	.0	.0	.0	1.9	6.4	5.1	1.9	.6	.0	1.3	17.3	82.7	156
TOT	0	0	1	12	44	24	11	2	0	9	103	493	596
PCT	.0	.0	.2	2.0	7.4	4.0	1.8	.3	.0	1.5	17.3	82.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00Z03	.0	.0	.0	.9	16.7	82.4	336
06Z09	.0	.2	.0	.4	18.2	81.2	495
12Z15	.0	.0	.0	.6	12.1	87.3	363
18Z21	.0	.0	.4	.2	17.8	81.6	501
TOT	0	1	2	8	279	1405	1695
PCT	.0	.1	.1	.5	16.5	82.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL DBS
00Z03	.0	.0	3.4	17.9	78.6	145
06Z09	.0	.7	2.9	18.1	79.0	138
12Z15	.0	.0	2.8	9.7	87.5	144
18Z21	.0	.0	2.0	16.0	82.0	150
TOT	0	1	16	89	472	577
PCT	.0	.2	2.8	15.4	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 DBS	PCT FREQ
85/89	.0	.0	.0	.2	.2	.2	.0	.0	3	.6
80/84	.0	.0	.0	.0	2.2	21.3	6.7	2.0	174	32.2
75/79	.0	.0	.0	.0	.0	25.6	35.9	5.6	362	67.0
70/74	.0	.0	.0	.0	.0	.0	.2	.2	1	.2
TOTAL	0	0	0	1	13	254	230	42	540	100.0
PCT	.0	.0	.0	.2	2.4	47.0	42.6	7.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.1	.1	.3	.0	.0	.0	.0	.0
.0	.3	5.0	20.5	6.3	.1	.0	.0	.0	.0
.0	.6	13.6	43.1	9.4	.3	.0	.0	.0	.0
.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
.0	.8	18.8	64.0	16.0	.4	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00Z03	84	81	80	78	76	75	72	78.1	561
06Z09	85	82	81	78	76	75	72	78.2	937
12Z15	88	86	84	80	78	77	74	80.4	591
18Z21	89	85	83	79	77	76	74	79.6	958
TOT	89	85	82	79	76	75	72	79.0	3047

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00Z03	.0	.0	.0	42.3	51.5	6.2	82	130		
06Z09	.0	.0	.7	31.4	56.9	10.9	83	137		
12Z15	.0	.7	3.7	59.3	28.9	7.4	79	135		
18Z21	.0	.0	5.1	55.1	33.3	6.5	79	138		
TOT	0	1	13	254	230	42	80	540		

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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	69 72	73 76	77 80	81 84	85 88	TOT	% FOG	% FOG
11/13	.0	.0	.0	.0	.1	1	.0	.1
9/10	.0	.0	.0	.0	.1	1	.0	.1
7/8	.0	.0	.0	.1	.3	3	.0	.4
5	.0	.0	.1	.3	.1	4	.0	.5
4	.0	.0	.1	1.5	.3	14	.0	1.9
3	.0	.0	.8	1.9	.0	20	.0	2.7
2	.0	.0	1.6	3.0	.1	35	.0	4.7
1	.0	.1	8.7	3.0	.0	88	.0	11.8
0	.1	.3	20.4	2.7	.0	175	.4	23.1
-1	.0	1.1	25.2	2.0	.0	211	.1	28.2
-2	.0	.8	11.5	.7	.0	97	.1	12.9
-3	.0	.5	3.6	.0	.0	46	.0	6.2
-4	.0	.5	2.8	.0	.0	25	.0	3.4
-5	.0	.3	2.0	.0	.0	17	.0	2.3
-6	.0	.1	.0	.0	.0	1	.0	.1
-7/-8	.0	.1	.8	.0	.0	7	.0	.9
TOTAL	1	29	99.5	112	8	745	.5	74.0
PCT	.1	3.9	79.9	15.0	1.1	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.3
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT		
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.7	.0	.0	.0	.0	.7	.0	.1	.1	.0	.0	.0	.0	.0	.1
1-2	.2	6.5	1.7	.0	.0	.0	8.3	.1	10.6	7.5	.0	.0	.0	.0	.0	18.2
3-4	.0	3.1	4.4	.2	.0	.0	9.7	.0	10.3	19.9	.3	.0	.0	.0	.0	30.5
5-6	.0	.5	5.4	.0	.0	.0	5.0	.0	.6	11.1	.0	.0	.0	.0	.0	11.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	2.4
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.2	12.8	11.5	.2	.0	.0	24.7	.1	21.6	41.0	.3	.0	.0	.0	.0	63.0

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.5	.2	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.7	1.5	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.9	2.7	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.7	1.7	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0	.1	
8-9	.0	.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	.0	
12	.0	.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	.0	
17-19	.0	.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	.0	
23-25	.0	.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	.0	
33-40	.0	.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	.0	
49-60	.0	.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	.0	
71-86	.0	.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	.0	
TOT PCT	.0	4.9	6.4	.0	.0	.0	11.3	.0	.0	.1	.0	.0	.0	.0	.1	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+				
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
5-6	.0	.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	.0		
8-9	.0	.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	.0		
12	.0	.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	.0		
17-19	.0	.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	.0		
23-25	.0	.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	.0		
33-40	.0	.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	.0		
49-60	.0	.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	.0		
71-86	.0	.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	.0		
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	1.6	.3	.0	.0	.0	1.9	
1-2	.3	20.2	10.8	.0	.0	.0	31.2	
3-4	.0	16.4	27.2	.5	.0	.0	44.1	
5-6	.0	1.9	18.3	.0	.0	.0	20.2	
7	.0	.0	2.7	.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	.3	40.1	59.1	.5	.0	.0	100.0	372

PERIOD: (OVER-ALL) 1949-1973

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	11.1	24.1	16.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	251	4
6-7	.0	.2	6.8	10.4	5.1	.2	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	110	5
8-9	.0	.0	1.3	3.6	2.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	6
10-11	.0	.4	.2	1.3	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
12-13	.0	.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	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	.6	3.4	4.1	1.3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	3
TOTAL	4	71	171	154	55	7	6	0	1	0	0	0	0	0	0	0	0	0	0	0	469	4
PCT	.9	15.1	36.5	32.8	11.7	1.5	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973

NOVEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	4.1	.0	.0	.0	.0	.0	4.1	1.6	.0	5.6	.0	.0	.0	88.7
SE	.7	4.6	.6	.0	.0	.0	.0	5.9	2.1	.7	1.7	.0	.0	.0	89.8
S	.0	1.6	.0	.0	.0	.0	.0	1.6	3.5	.0	.0	.0	.0	.0	94.9
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	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.0	.0
TOT PCT	.5	4.2	.4	.0	.0	.0	.0	5.1	2.1	.5	2.3	.0	.0	.0	90.1
TOT OBS:	769														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.6	5.1	1.1	.0	.0	.0	.0	6.9	1.7	1.1	1.7	.0	.0	.0	89.1
0600	1.0	4.5	.0	.0	.0	.0	.0	5.6	3.0	.0	3.0	.0	.0	.0	88.4
1200	.6	2.3	.6	.0	.0	.0	.0	3.4	.6	.0	2.3	.0	.0	.0	93.8
1800	.0	5.2	.4	.0	.0	.0	.0	5.6	2.6	.9	2.6	.0	.0	.0	88.3
TOT PCT	.5	4.4	.5	.0	.0	.0	.0	5.4	2.1	.5	2.4	.0	.0	.0	89.7
TOT OBS:	780														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18
N	.0	*	.0	.0	.0	.0	*	9.0	.0	.0	.1	.0	.0	.0	.0	.0
NE	.1	.5	.2	*	.0	.0	.8	8.2	3.0	.5	1.6	.2	.9	.6	.4	.6
E	.4	9.0	7.2	.2	.0	.0	16.8	10.7	19.6	17.0	18.2	16.7	20.4	15.2	16.6	14.7
SE	.5	30.0	39.2	1.2	.0	.0	70.9	11.8	64.1	70.6	68.8	70.4	69.1	73.3	72.3	72.9
S	.2	4.2	6.3	.2	*	.0	11.1	12.0	12.9	11.2	10.7	12.5	9.4	10.6	10.4	11.2
SW	*	.1	*	.0	.0	.0	.1	9.3	.4	.0	.1	.0	.2	.0	.1	.2
W	*	.0	.0	.0	.0	.0	*	2.0	.0	.0	.0	.1	.2	.1	.0	.0
NW	*	.0	.0	.0	.0	.0	*	2.0	.0	.0	.0	.1	.0	.1	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3						.3	.0	.0	.7	.5	.0	.0	.0	.2	.4
TOT OBS	51	1401	1692	51	1	0	3196	11.6	167	414	548	431	141	464	583	448
TOT PCT	1.6	43.8	52.9	1.6	*	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	.0	*	.0	.0	.0	*	9.0	.0	.1	.0	.0
NE	.4	.4	*	.0	.0	.8	8.2	1.2	1.0	.7	.5
E	2.6	12.3	1.7	.0	.0	16.8	10.7	17.7	17.3	16.4	13.7
SE	6.1	53.0	11.7	.1	.0	70.9	11.8	68.7	69.3	72.3	72.6
S	1.1	7.9	2.1	*	.0	11.1	12.0	11.7	11.3	10.3	10.8
SW	*	.1	*	.0	.0	.1	9.3	.1	.1	*	.1
W	*	.0	.0	.0	.0	*	2.0	.0	.1	.1	.0
NW	*	.0	.0	.0	.0	*	2.0	.0	.1	.1	.0
VAR	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0
CALM	.3					.3	.0	.5	.3	.0	.3
TOT OBS	335	2359	497	5	0	3196	11.6	581	979	605	1031
TOT PCT	10.5	73.8	15.6	.2	.0	100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	.5	1.4	48.9	48.0	1.2	.0	.0	11.1	100.0	581
0600	.3	1.2	48.9	48.2	1.3	.0	.0	11.2	100.0	979
1200	.0	.8	37.5	38.7	2.8	.2	.0	12.3	100.0	603
1800	.3	1.6	39.9	36.8	1.4	.0	.0	11.8	100.0	1031
TOT	.9	4.2	1401	1692	51	1	0	11.6		3196
PCT	.3	1.3	43.8	52.9	1.6	*	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
NE	.6	.5	.0	.0	.0	2.4
E	6.7	7.4	4.6	.6	.6	3.5
SE	21.3	26.7	16.3	5.8	.8	3.8
S	2.3	3.7	2.8	.7	.7	3.8
SW	.1	.0	.1	.0	.0	3.5
W	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	134	166	103	31	434	3.7
TOT PCT	30.9	38.2	23.7	7.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <4/8 ANY HGT	TOTAL OBS
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
E	.0	.0	.0	.7	.8	.0	.1	.2	.0	.4	.4	16.9
SE	.0	.0	.2	3.3	5.5	1.8	1.8	.3	.0	.1	.1	57.0
S	.0	.0	.0	.5	.4	.5	.6	.1	.0	.0	.0	7.4
SW	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.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
TOT OBS	0	0	1	20	29	10	11	3	0	2	358	434
TOT PCT	.0	.0	.2	4.6	6.7	2.3	2.5	.7	.0	.5	82.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.5	.5	.5	.5	.5	.5	.5	.5
>5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
>3500	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
>2000	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9
>1000	11.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8
>600	16.2	17.4	17.4	17.4	17.4	17.4	17.4	17.4
>300	16.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
>150	16.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
>0	16.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
TOTAL	72	77	77	77	77	77	77	77

TOTAL NUMBER OF OBS: 438

PCT FREQ NH <5/8: 82.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.5	13.1	25.5	24.0	15.7	5.7	5.2	2.8	4.6	.0	459

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973

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AREA 0024 ST. PETER AND PAUL ROCKS
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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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	1.8
	TOT %	.0	.0	.9	1.0	.0	.0	.0	.0	.0	.0	.0	2.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.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	.0
	NO PCP	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.3
	TOT %	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.3
5<10	PCP	.0	.0	.7	3.3	.1	.0	.0	.0	.0	.0	.0	4.2
	NO PCP	.0	.5	5.7	23.1	2.0	.0	.0	.0	.0	.0	.0	31.3
	TOT %	.0	.5	6.4	26.4	2.2	.0	.0	.0	.0	.0	.0	35.5
10+	PCP	.0	.0	.1	.7	.0	.0	.0	.0	.0	.0	.0	.8
	NO PCP	.0	.6	13.2	41.6	6.1	.1	.0	.0	.0	.0	.0	61.5
	TOT %	.0	.6	13.3	42.3	6.1	.1	.0	.0	.0	.0	.0	62.3
TOT OBS													767
TOT PCT		.0	1.0	20.7	69.9	8.3	.1	.0	.0	.0	.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	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.4
	11-21	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.6
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	1.1
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.4
	11-21	.0	.0	.1	.2	*	.0	.0	.0	.0	.0	.0	.3
	22+	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.2	.6	*	.0	.0	.0	.0	.0	.0	.8
5<10	0-3	.0	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.4
	4-10	.0	.1	1.6	5.4	.6	*	.0	.0	.0	.0	.0	7.7
	11-21	.0	.0	2.0	9.3	.7	.0	.0	.0	.0	.0	.0	12.0
	22+	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.4
	TOT %	.0	.3	3.7	15.1	1.3	*	.0	.0	.0	.0	.0	20.5
10+	0-3	.0	.1	.3	.2	*	.0	.0	.0	.0	.0	.3	1.1
	4-10	*	.3	8.2	26.7	2.8	*	.0	.0	.0	.0	.0	38.1
	11-21	.0	*	5.7	28.0	4.1	.0	.0	.0	.0	.0	.0	37.8
	22+	.0	.0	.2	.3	.1	.0	.0	.0	.0	.0	.0	.6
	TOT %	*	.4	14.4	55.2	7.2	.1	.0	.0	.0	.0	.3	77.7
TOT OBS													1602
TOT PCT		*	.7	18.8	71.5	8.6	.1	.0	.0	.0	.3	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1954-1973

APEA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	.9	1.7	7.7	3.4	2.6	.9	.0	.9	17.9	72.1	117
06009	.0	.0	.0	4.1	9.3	2.1	2.1	2.1	.0	.0	19.6	80.4	97
12015	.0	.0	.0	6.0	6.0	1.7	.9	.0	.0	.0	14.5	85.5	117
18021	.0	.0	.0	5.8	4.1	1.7	4.1	.0	.0	.8	16.5	83.5	121
TOT	0	0	1	20	30	10	11	3	0	2	77	375	452
PCT	.0	.0	.2	4.4	6.6	2.2	2.4	.7	.0	.4	17.0	83.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL DBS
00003	.0	.9	.0	1.9	21.1	76.2	323
06009	.0	.9	.0	.7	22.7	75.7	449
12015	.0	1.2	.0	.6	16.2	82.0	334
18021	.0	1.4	.0	.4	21.5	76.7	507
TOT	0	18	0	13	333	1249	1613
PCT	.0	1.1	.0	.8	20.6	77.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HR	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 3+	TOTAL DBS
00003	.0	.9	2.7	15.9	81.4	113
06009	.0	.0	4.2	15.8	80.0	95
12015	.0	.0	6.2	8.8	85.0	113
18021	.0	.0	6.0	11.1	82.9	117
TOT	0	1	21	56	361	438
PCT	.0	.2	4.6	12.8	82.4	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 DBS	PCT FREQ
85/89	.0	.0	.0	.0	1.0	.8	.0	.0	9	1.8
90/84	.0	.0	.0	.2	1.0	25.8	16.7	1.4	224	45.1
75/79	.0	.0	.0	.0	.0	13.5	32.0	7.6	264	53.1
TOTAL	0	0	0	1	10	199	242	45	497	100.0
PCT	.0	.0	.0	.2	2.0	40.0	48.7	9.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.5	1.1	.3	.0	.0	.0	.0	.0
90/84	.0	.2	9.7	31.2	3.9	.1	.0	.0	.0	.0
75/79	.0	.5	10.0	36.8	5.5	.1	.0	.0	.0	.0
TOT	.0	1.1	20.1	69.0	9.7	.1	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	84	82	81	79	77	73	71	78.7	577
06009	85	83	81	79	77	73	71	78.8	969
12015	91	86	84	81	78	77	76	81.0	579
18021	89	86	83	80	78	76	75	80.0	1000
TOT	91	85	83	79	77	76	71	79.6	3125

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	.8	27.3	62.9	9.1	83	132		
06009	.0	.0	.0	24.8	58.7	16.5	84	121		
12015	.0	.8	3.4	56.8	34.7	4.2	78	118		
18021	.0	.0	3.8	31.1	38.9	6.1	80	131		
TOT	0	1	10	200	246	45	81	502		

NOVEMBER

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

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	73	77	81	85	89	TOT	W FOG	WD FNG
	76	80	84	88	92			
7/8	.0	.0	.1	.0	.0	1	.0	.1
6	.0	.0	.1	.4	.1	5	.0	.7
5	.0	.1	.6	.4	.0	8	.0	1.1
4	.0	.0	.9	.6	.0	10	.0	1.4
3	.0	.4	2.7	.1	.0	23	.3	3.0
2	.0	2.2	4.0	.3	.0	45	.4	6.0
1	.0	8.5	5.7	.0	.0	85	.4	11.8
0	.0	21.2	5.6	.0	.0	187	.6	26.3
-1	.0	22.4	1.0	.0	.0	163	.4	23.0
-2	.1	11.9	1.4	.0	.0	94	.3	13.2
-3	.1	6.0	.0	.0	.0	43	.0	6.2
-4	.4	2.0	.1	.0	.0	18	.0	2.6
-5	.4	1.1	.0	.0	.0	11	.0	1.6
-6	.1	.1	.0	.0	.0	2	.0	.3
-7/-8	.0	.3	.0	.0	.0	2	.0	.3
TOTAL	9	518	156	13	1	697	17	650
PCT	1.3	74.3	22.4	1.9	.1	100.0	2.4	97.6

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.9
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	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.3	.0	.0	.0	.0	.3	.0	.1	.4	.0	.0	.0	.5
1-2	.0	5.1	1.0	.0	.0	.0	6.1	.3	18.9	6.8	.0	.0	.0	26.0
3-4	.0	4.3	3.1	.3	.0	.0	7.7	.0	13.5	14.4	.1	.0	.0	28.0
5-6	.0	.0	4.4	.0	.0	.0	4.4	.0	1.9	11.9	.0	.0	.0	13.8
7	.0	.0	.3	.0	.0	.0	.3	.0	.4	1.8	.0	.0	.0	2.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.0	.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	.0	9.6	9.2	.3	.0	.0	19.1	.3	34.7	35.4	.1	.0	.0	70.9

PERIOD: (OVER-ALL) 1963-1973

NOVEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.3	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1
1-2	.9	1.9	1.0	.0	.0	.0	3.7	.0	.1	.0	.0	.0	.0	.1
3-4	.0	2.0	1.5	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.4	1.2	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.6	.0	.0	.0	.6	.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	.7	.0	.0	.0	.0	.0
TOT PCT	.9	4.6	4.3	.0	.0	.0	9.7	.0	.2	.0	.0	.0	.0	.2

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.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	.0	.8	.4	.0	.0	.0	1.1	
1-2	1.1	20.0	8.8	.0	.0	.0	33.9	
3-4	.4	19.8	19.1	.4	.0	.0	39.7	
5-6	.0	2.3	17.6	.0	.0	.0	19.8	
7	.0	.4	2.7	.0	.0	.0	3.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.4	.0	.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	1.5	49.2	48.9	.4	.0	.0	100.0	262

PERIOD: (OVER-ALL) 1949-1973

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
4-6	1.2	9.9	20.0	11.3	2.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	150	3
6-7	.0	.0	7.8	10.7	4.8	1.3	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	3
8-9	.0	.0	2.4	5.7	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	5
10-11	.0	.0	.6	.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
12-13	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
13-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.3	3.0	8.7	3.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	4
TOTAL	5	43	132	107	38	5	3	.0	2	0	0	0	0	0	0	0	0	0	0	333	4
PCT	1.5	12.8	39.4	31.9	11.3	1.5	.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	25.0	12.5	.0	.0	.0	.0	.0	37.5	.0	.0	.0	.0	.0	.0	62.5
NE	19.8	11.0	.0	.0	.0	.0	.0	30.8	4.4	4.4	.0	.0	.0	.0	64.8
E	1.5	5.9	.0	.0	.0	.0	.0	7.4	1.0	3.6	1.3	.0	.0	.0	86.6
SE	1.7	5.9	.2	.0	.0	.0	.0	7.7	2.2	1.5	3.7	.0	.0	.0	85.2
S	3.1	9.0	2.0	.0	.0	.0	.0	14.0	2.8	2.2	1.1	.0	.0	.0	80.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
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	33.3	.0	.0	.0	.0	.0	66.7
TOT PCT	2.5	6.4	.4	.0	.0	.0	.0	9.2	2.1	2.1	2.7	.0	.0	.0	84.2
TOT OBS:	847														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
0000	2.2	2.7	.3	.0	.0	.0	.0	5.4	3.2	4.9	1.6	.0	.0	.0	85.9
0600	3.6	8.0	.4	.0	.0	.0	.0	12.0	1.2	2.8	3.2	.0	.0	.0	81.5
1200	1.5	5.7	.3	.0	.0	.0	.0	7.7	2.1	.0	2.1	.0	.0	.0	88.1
1800	2.6	8.2	.0	.0	.0	.0	.0	10.8	2.2	1.7	3.4	.0	.0	.0	81.9
TOT PCT	2.6	6.4	.3	.0	.0	.0	.0	9.3	2.1	2.3	2.7	.0	.0	.0	84.1
TOT OBS:	860														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.2	.2	.1	.0	.0	.0	.4	5.9	.4	.4	.5	.8	.0	.7	.4	.0	
NE	.5	1.8	.6	*	.0	.0	2.9	7.6	5.2	3.0	3.1	2.8	2.6	2.5	1.9	3.9	
E	1.3	13.0	4.7	.1	.0	.0	19.1	8.9	20.4	19.9	20.3	16.7	26.1	19.3	18.3	17.1	
SE	1.7	36.9	25.6	.4	.0	.0	64.6	10.3	62.1	64.3	63.2	65.7	60.5	65.1	66.2	65.3	
S	.6	6.3	4.6	.2	.0	.0	11.6	10.2	9.5	10.9	11.3	13.1	10.8	11.4	11.8	12.5	
SW	*	.1	*	.0	.0	.0	.2	8.7	.2	.1	.1	.4	.0	.1	.1	.2	
W	*	.0	.0	.0	.0	.0	*	2.0	.0	.0	.2	.0	.0	.0	.0	.0	
NW	.0	*	.0	.0	.0	.0	*	9.0	.0	.2	.0	.0	.0	.1	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	
CALM	1.0	.0	.0	.0	.0	.0	1.0	.0	1.8	1.2	1.4	.4	.0	.6	1.4	1.0	
TOT OBS	170	1869	1138	23	0	0	3200	9.8	168	403	577	443	155	474	567	411	
TOT PCT	5.3	58.4	35.6	.7	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	.3	.2	.0	.0	.0	.4	5.9	.4	.6	.6	.2
NE	1.4	1.5	.1	.0	.0	2.9	7.6	3.6	3.0	2.5	2.7
E	5.8	12.3	1.0	*	.0	19.1	8.9	20.1	18.7	21.0	17.8
SE	11.7	46.7	6.1	*	.0	64.6	10.3	63.6	64.3	64.0	65.8
S	2.7	7.5	1.5	.0	.0	11.6	10.2	10.5	12.1	11.3	12.1
SW	.1	.1	*	.0	.0	.2	8.7	.2	.2	.1	.2
W	*	.0	.0	.0	.0	*	2.0	.0	.1	.0	.0
NW	.0	*	.0	.0	.0	*	9.0	.2	.0	.1	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0	.0	.0	.0	.0	1.0	.0	1.4	1.0	.5	1.2
TOT OBS	738	2182	279	1	0	3200	9.8	571	1022	629	978
TOT PCT	23.1	68.2	8.7	*	.0	100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
LN 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			4R+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000Z	1.4	4.6	62.7	31.0	.4	.0	.0	9.3	100.0	571
0600Z	1.7	4.6	56.8	30.8	.8	.0	.0	9.8	100.0	1022
1201Z	.5	2.5	54.7	40.5	1.7	.0	.0	10.5	100.0	629
1802Z	1.7	4.9	59.9	33.7	.2	.0	.0	9.5	100.0	978
TOT	23	137	1869	1138	23	0	0	9.8		3200
PCT	1.0	4.3	58.4	35.6	.7	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	.8	.2	1.2	.6		4.8
E	9.1	7.5	7.5	.7		3.5
SE	19.2	20.0	18.1	4.9		3.9
S	2.9	1.8	3.5	1.6		4.5
SW	.0	.0	.1	.0		6.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.2	.2	.0	.2		4.0
TOT OBS	145	134	138	34	491	3.9
TOT PCT	32.2	29.7	30.6	7.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL OBS
N	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.3	.5	.0	.1	.0	.0	.0	.0	1.5
E	.0	.0	.2	.0	1.8	.9	.4	.1	.0	.0	.0	21.3
SE	.0	.0	.5	2.1	5.3	2.1	2.1	.3	.0	.0	.2	49.2
S	.0	.0	.0	.5	1.9	.3	.9	.0	.0	.0	.0	6.0
SW	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4
TOT OBS	0	0	3	15	45	15	16	2	0	1	354	451
TOT PCT	.0	.0	.7	3.3	10.0	3.3	3.5	.4	.0	.2	78.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)			
	>10	>5	>2	>1
>6500	.2	.2	.2	.2
>5000	.7	.7	.7	.7
>3500	3.3	3.7	3.7	4.2
>2000	6.4	7.0	7.0	7.5
>1000	15.8	17.1	17.1	17.5
>600	17.8	20.4	20.4	21.1
>300	18.4	21.1	21.1	21.7
>150	18.4	21.1	21.1	21.7
>0	18.4	21.1	21.1	21.7
TOTAL	84	96	96	99

TOTAL NUMBER OF OBS: 456

PCT FREQ NH <5/8: 78.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.6	11.1	25.1	23.4	12.6	7.7	4.0	4.6	5.9	.0	478

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	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.3	2.3	.1	.0	.0	.0	.0	.0	.0	2.7
	TOT %	.0	.0	.4	2.5	.1	.0	.0	.0	.0	.0	.0	3.0
1<2	PCP	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
5<10	PCP	.2	.6	1.5	3.9	1.4	.0	.1	.1	.0	.0	.0	7.7
	NO PCP	.1	.5	7.6	21.1	4.2	*	.0	.1	.0	.0	.2	33.9
	TOT %	.3	1.1	9.0	25.0	5.5	*	.1	.2	.0	.0	.2	41.6
10+	PCP	.0	.1	.2	.7	.1	.0	.0	.0	.0	.0	.0	1.1
	NO PCP	.2	1.3	13.4	34.0	4.8	.1	.0	.0	.0	.0	.1	54.0
	TOT %	.2	1.4	13.6	34.7	4.9	.1	.0	.0	.0	.0	.1	55.0
TOT OBS													847
TOT PCT		.5	2.7	23.0	62.5	10.5	.1	.1	.2	.0	.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	.0
	4-10	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4
	11-21	.0	.0	.1	1.1	.1	.0	.0	.0	.0	.0	.0	1.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.2	1.3	.1	.0	.0	.0	.0	.0	.0	1.6
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2
	11-21	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.1	.2	.5	.3	.0	.0	.0	.0	.0	.0	1.0
	11-21	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.3	.2	.6	.4	.0	.0	.0	.0	.0	.0	1.3
5<10	0-3	.1	.1	.5	.5	.1	.0	.1	.0	.0	.2	.0	1.5
	4-10	*	.6	3.5	7.6	2.0	*	.0	.1	.0	.0	.0	13.8
	11-21	*	.1	1.8	7.9	1.1	.0	.0	.0	.0	.0	.0	11.0
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.2	.8	5.9	16.1	3.2	*	.1	.1	.0	.2	.0	26.4
10+	0-3	.1	.1	.7	.9	*	.0	.0	.0	.0	.2	.0	2.0
	4-10	.1	.7	10.5	30.3	4.1	.1	.0	.0	.0	.0	.0	45.8
	11-21	*	.3	3.5	16.4	1.8	.0	.0	.0	.0	.0	.0	22.0
	22+	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2
	TOT %	.2	1.2	14.7	47.7	6.0	.1	.0	.0	.0	.2	.0	70.1
TOT OBS													1633
TOT PCT		.3	2.5	21.1	65.9	9.6	.1	.1	.1	.0	.4	100.0	

DECEMBER

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
.8N 29.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	.9	4.3	9.5	1.7	1.7	.9	.0	.9	19.0	80.2	116
06209	.0	.0	.8	2.5	7.5	1.7	3.3	.0	.0	.0	15.8	84.2	120
12215	.0	.0	.0	4.8	7.1	5.6	2.4	.0	.0	.0	19.8	80.2	126
18221	.0	.0	.9	1.8	15.6	3.7	6.4	.9	.0	.0	27.4	70.6	109
TOT	0	0	3	16	46	15	16	2	0	1	99	372	471
PCT	.0	.0	.6	3.4	9.8	3.2	3.4	.4	.0	.2	21.0	79.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00203	.3	1.2	.6	2.7	25.5	69.7	330
06209	.0	1.8	.2	1.0	29.5	67.5	501
12215	.0	1.2	.6	1.2	22.0	75.1	346
18221	.0	1.9	.4	1.3	27.7	68.7	469
TOT	1	26	7	24	438	1150	1646
PCT	.1	1.6	.4	1.5	26.6	69.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NH) AND/OR CEILING HGT (FEET) NH >4/8) BY HOUR

HOURL (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00203	.0	.9	5.4	15.3	79.3	111
06209	.0	.8	3.4	12.7	83.9	118
12215	.0	.0	6.5	14.5	79.0	124
18221	.0	1.0	3.9	27.2	68.9	103
TOT	0	3	22	78	356	456
PCT	.0	.7	4.8	17.1	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
90/94	.0	.0	.0	.0	.2	.0	.0	.0	1	.2
85/89	.0	.0	.0	.0	.4	.6	.2	.0	6	1.2
80/84	.0	.0	.0	.0	1.0	22.4	19.4	3.0	227	43.9
75/79	.0	.0	.0	.0	.0	7.1	37.0	8.5	260	52.5
70/74	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	0	0	0	8	149	280	58	495	100.0
PCT	.0	.0	.0	.0	1.6	30.1	56.6	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.3	.9	.0	.0	.0	.0	.0	.0
80/84	.0	1.2	10.8	29.3	4.6	.1	.0	.0	.0	.0
75/79	.2	1.5	13.1	32.5	4.7	.0	.0	.0	.0	.6
70/74	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
TOTAL	.2	2.7	24.4	62.7	9.3	.1	.0	.0	.0	.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00203	85	82	81	79	77	75	73	78.8	569
06209	86	82	81	79	77	75	72	78.8	1010
12215	92	86	84	81	78	75	72	80.8	611
18221	89	86	83	80	78	76	73	80.1	966
TOT	92	85	82	79	77	75	72	79.6	3156

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00203	.0	.0	.0	.0	.0	9.8	76.4	13.8	85	123
06209	.0	.0	.0	.0	15.1	70.6	14.3		84	126
12215	.0	.0	.0	.0	30.0	38.5	7.7		80	130
18221	.0	.0	2.5	45.1	41.0	11.5			81	122
TOT	0	0	8	131	283	59	83		501	

DECEMBER

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973

APEA 0024 ST. PETER AND PAUL ROCKS
08N 29.3W

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 TEMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WD FOG
9/10	.0	.0	.0	.1	.0	1	.0	.1
7/8	.0	.0	.1	.0	.0	1	.0	.1
6	.0	.0	.0	.1	.1	2	.0	.3
5	.0	.3	.0	.3	.0	4	.0	.5
4	.0	.0	.4	.1	.0	4	.0	.5
3	.0	.1	1.8	.3	.0	17	.3	2.0
2	.0	.7	3.8	.0	.0	34	.1	4.3
1	.0	5.1	6.5	.0	.0	89	.4	11.2
0	.0	19.1	8.1	.0	.0	209	1.2	26.0
-1	.0	25.1	2.2	.0	.0	210	.8	26.6
-2	.0	12.9	1.3	.0	.0	109	.1	14.1
-3	.5	5.2	.0	.0	.0	44	.0	5.7
-4	1.0	2.5	.1	.0	.0	28	.0	3.6
-5	.4	1.2	.0	.0	.0	12	.0	1.6
-6	.0	.1	.0	.0	.0	1	.0	.1
-7/-8	.1	.3	.0	.0	.0	3	.0	.4
TOTAL	16	597	187	7	1	768	22	746
PCT	2.1	72.5	24.3	.9	.1	100.0	2.9	97.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.3	.0	.0	.0	.0	.0	.0	1.0	.4	.0	.0	.0	.0	2.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.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	.0
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.0	.3	.0	.0	.0	.0	.3	.8	1.0	.4	.0	.0	.0	.0	2.1

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.1	.8	.0	.0	.0	.0	1.9	.5	3.1	.0	.0	.0	.0	.0	3.6
1-2	.4	8.8	1.0	.0	.0	.0	10.2	.8	20.0	3.8	.0	.0	.0	.0	24.6
3-4	.4	7.8	3.5	.0	.0	.0	11.7	.0	14.7	10.4	.0	.0	.0	.0	25.1
5-6	.0	2.4	.4	.0	.0	.0	2.8	.0	2.9	4.5	.0	.0	.0	.0	7.4
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4
8-9	.0	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	1.9	19.8	4.9	.0	.0	.0	26.6	1.3	40.8	19.0	.0	.0	.0	.0	61.1

PERIOD: (OVER-ALL) 1963-1973

DECEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	E						PCT	SW						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.3	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1
1-2	.0	3.1	.3	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.2	.6	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.9	.6	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.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	.0
10-11	.0	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.5	1.5	.0	.0	.0	9.0	.0	.1	.0	.0	.0	.0	.0	.1

HGT	W						PCT	NW						PCT	TOTAL PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.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	.0	.0
8-9	.0	.0	.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	.0	.0
12	.0	.0	.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	.0	.0
17-19	.0	.0	.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	.0	.0
23-25	.0	.0	.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	.0	.0
33-40	.0	.0	.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	.0	.0
49-60	.0	.0	.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	.0	.0
71-86	.0	.0	.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	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	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	2.3	4.3	.0	.0	.0	.0	6.6	
1-2	1.9	33.1	5.4	.0	.0	.0	40.5	
3-4	.4	26.1	14.4	.0	.0	.0	40.9	
5-6	.0	6.2	3.4	.0	.0	.0	11.7	
7	.0	.0	.4	.0	.0	.0	.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	4.7	69.6	25.7	.0	.0	.0	100.0	257

PERIOD: (OVER-ALL) 1949-1973

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	15.1	8.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	133	3
6-7	.0	.9	8.8	15.4	2.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	5
8-9	.0	.0	1.7	3.7	2.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	6
10-11	.0	.3	.6	.9	.6	.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	6
12-13	.0	.0	.9	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	1.7	5.7	6.3	4.0	1.4	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	3
TOTAL	12	67	117	112	31	7	3	1	1	0	0	0	0	0	0	0	0	0	0	0	331	4
PCT	3.4	19.1	33.3	31.9	8.8	2.0	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1897-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	6.7	6.6	1.2	.0	.0	.0	.1	14.6	1.5	1.3	.4	.0	.4	.0	49.1
NE	6.4	6.6	.6	.0	.0	.0	*	13.6	2.7	2.4	.5	.0	.1	*	81.9
E	2.7	6.6	.4	.0	.0	.0	.0	9.6	2.5	2.1	2.1	.0	*	.0	84.2
SE	3.0	5.6	.4	.0	.0	.0	.0	8.9	2.6	1.3	2.0	.0	.1	*	85.3
S	4.3	4.4	.2	.0	.0	.0	.0	9.0	1.5	1.5	1.4	.0	.3	.0	86.9
SW	7.2	1.3	.1	.0	.0	.0	.0	8.6	.2	1.3	.0	.0	.0	.0	90.9
W	14.4	9.4	.3	.0	.0	.0	.0	24.2	.0	1.4	.7	.0	.0	.0	40.5
NW	5.4	7.0	.5	.0	.0	.0	.0	12.4	.8	.4	.3	.0	.0	.0	44.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0	1.9	4.2	.0	.0	.0	.0	9.1	6.0	1.5	.4	.0	.3	.0	57.8
TOT PCT	3.4	6.1	.6	.0	.0	.0	*	10.1	2.5	1.7	1.6	.0	.1	*	84.3
TOT OBS:	8601														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	3.1	5.5	.9	.0	.0	.0	*	9.4	2.8	3.2	1.2	.0	.2	.0	84.0
06009	4.4	7.1	.5	.0	.0	.0	.0	11.9	2.5	2.7	2.0	.0	.1	.1	81.5
12015	3.8	5.7	.5	.0	.0	.0	.0	9.9	2.9	.1	1.0	.0	.2	.0	86.0
18021	3.4	6.6	.6	.0	.0	.0	*	10.7	2.2	1.3	2.0	.0	.1	.0	84.2
TOT PCT	3.7	6.3	.6	.0	.0	.0	*	10.6	2.6	1.8	1.6	.0	.1	*	83.8
TOT OBS:	10180														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.9	2.5	.7	*	.0	.0	4.0	5.8	3.9	4.2	3.8	4.2	3.7	3.9	4.3	3.9	
NE	1.5	6.8	1.8	*	.0	.0	10.1	7.9	10.8	10.1	9.6	10.3	11.1	10.1	9.8	10.4	
E	1.6	13.0	3.9	.1	.0	.0	20.3	9.0	23.0	21.4	20.4	19.3	20.1	19.9	20.0	20.1	
SE	1.7	25.6	21.1	.6	.0	.0	48.9	9.9	46.1	48.0	47.6	49.7	48.9	50.4	50.0	48.7	
S	.8	5.9	4.2	.2	*	.0	11.0	9.0	10.7	10.6	11.7	11.4	11.3	10.7	10.5	11.1	
SW	.2	.7	.2	*	.0	.0	1.1	7.9	.9	1.2	1.3	1.0	.9	1.0	.9	1.1	
W	.1	.4	.1	.0	.0	.0	.6	5.8	.4	.6	.7	.6	.8	.5	.7	.5	
NW	.3	.6	.1	*	.0	.0	1.0	4.6	1.0	.8	1.0	1.0	1.3	.9	1.1	1.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.9						2.9	.0	3.3	3.2	3.8	2.4	1.9	2.5	2.6	3.1	
TOT OBS							35913	9.3	1876	4584	6263	4796	1941	5039	6658	4756	
TOT PCT	10.0	55.5	33.5	1.0	*	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+					00	06	12	18	21
N	2.2	1.7	.1	*	.0	4.0	5.8	4.1	4.0	3.9	4.2			
NE	4.7	5.1	.3	*	.0	10.1	7.9	10.3	9.9	10.4	10.1			
E	6.8	12.2	1.2	*	.0	20.3	9.0	21.8	20.0	19.9	20.0			
SE	9.0	34.0	5.8	.1	.0	48.9	9.9	47.5	48.5	50.0	49.5			
S	2.9	6.9	1.1	*	.0	11.0	9.0	10.6	11.6	10.9	10.7			
SW	.6	.4	*	*	.0	1.1	7.9	1.1	1.2	1.0	1.0			
W	.4	.2	*	.0	.0	.6	5.8	.5	.7	.6	.6			
NW	.6	.3	*	.0	.0	1.0	4.6	.9	1.0	1.0	1.1			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CALM	2.9					2.9	.0	3.2	3.2	2.4	2.9			
TOT OBS						35913	9.3	6660	11059	6980	11414			
TOT PCT	30.3	60.9	8.7	.1	.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	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	3.2	7.6	58.7	29.7	.8	*	.0	8.9	100.0	6460
06009	3.2	7.3	56.6	32.0	.9	.0	.0	9.1	100.0	11059
12015	2.4	6.0	52.2	38.1	1.3	*	.0	9.8	100.0	6980
18021	2.9	7.2	54.8	34.3	.9	.0	.0	9.3	100.0	11414
TOT								9.3		35913
PCT	2.9	7.1	59.5	33.5	1.0	*	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
NE	2.0	2.7	4.5	2.2		4.1
E	7.0	6.9	5.7	2.3		3.8
SE	15.8	15.9	11.5	3.7		3.9
S	3.2	3.4	3.1	.8		4.1
SW	.1	.2	.4	.2		5.3
W	.1	.1	.3	.3		3.2
NW	.1	.2	.5	.4		2.9
VAR	.0	.0	.0	.0		.0
CALM	.6	.5	.7	.4		3.5
TOT OBS					5563	4.0
TOT PCT	29.3	30.7	28.4	11.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	CEILING HEIGHTS (FT, NH >4/8)										NH <5/8	TOTAL OBS
	000	150	300	600	1000	2000	3500	5000	6500	8000+		
	149	299	599	999	1999	3999	4999	6499	7999			
N	.0	*	.1	.5	.6	.5	.1	*	.0	*	2.4	
NE	*	*	.2	1.1	1.6	.8	.5	.1	*	*	.1	7.0
E	.0	*	.2	1.3	1.8	.8	.6	.2	*	*	.1	16.9
SE	*	*	.2	1.6	3.8	1.8	1.1	.3	*	*	.2	37.9
S	.1	*	.4	.9	.4	.7	.1	*	*	*	.4	8.4
SW	.0	*	.1	.1	.2	.2	*	*	*	*	.0	.4
W	.0	.0	.1	.2	*	.1	*	.0	.0	.0	.3	
NW	.0	.0	.1	.3	.3	.1	.0	*	.0	.0	.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	.2	.3	.1	.0	.0	.0	*	1.6	
TOT OBS												5563
TOT PCT	.1	.1	.8	5.3	9.5	4.7	2.6	.8	.1	.6	75.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.6	.6	.6	.6	.6	.6	.6	.6
>4000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
>3500	3.4	4.1	4.1	4.2	4.2	4.2	4.2	4.2
>2000	7.1	8.7	8.8	8.9	8.9	8.9	8.9	8.9
>1000	14.6	17.8	18.2	18.3	18.3	18.3	18.3	18.3
>600	18.2	22.8	23.4	23.7	23.7	23.8	23.8	23.8
>300	18.8	23.6	24.3	24.6	24.6	24.7	24.7	24.7
>150	18.9	23.7	24.5	24.7	24.8	24.8	24.8	24.8
> 0	18.9	23.8	24.5	24.8	24.8	24.9	24.9	24.9

TOTAL NUMBER OF OBS: 5806

PCT FREQ NH <5/8: 75.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.9	14.8	21.7	20.4	12.6	7.2	5.6	4.7	8.1	*	6106

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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	*	
	TOT %	.0	*	*	*	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	*	.1	*	*	.0	.0	.0	.0	.0	*	.2	
	NO PCP	*	.1	.4	.6	.1	.0	*	*	*	.0	.0	1.3
	TOT %	.1	.2	.4	.7	.1	.0	*	*	*	.0	*	1.5
1<2	PCP	.0	*	.1	*	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	*	*	*	*	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.1	.1	*	.0	.0	.0	.0	.0	.2	
2<5	PCP	*	.1	.1	.1	*	*	*	*	.0	*	.3	
	NO PCP	*	.1	*	.1	*	*	.0	.0	.0	.0	.3	
	TOT %	*	.2	.1	.2	*	*	*	*	.0	*	.6	
5<10	PCP	.9	1.6	1.8	2.1	.6	.1	.1	.2	.0	.1	7.7	
	NO PCP	1.5	3.3	7.8	13.8	3.1	.2	.1	.5	.0	.2	30.6	
	TOT %	2.4	5.0	9.6	15.9	3.7	.3	.3	.7	.0	.3	38.2	
10+	PCP	.1	.4	.4	.6	.1	*	.1	.1	.0	.1	1.8	
	NO PCP	1.8	4.7	12.6	29.6	6.7	.5	.3	.4	.0	1.0	57.6	
	TOT %	1.9	5.2	13.0	30.1	6.8	.5	.3	.5	.0	1.1	59.4	
TOT OBS		4.5	10.6	23.3	46.9	10.6	.9	.6	1.2	.0	1.4	100.0	9595
TOT PCT		4.5	10.6	23.3	46.9	10.6	.9	.6	1.2	.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	.0	.0	.0	.0	.0	.0	
	4-10	*	*	*	*	*	.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	.0	
	TOT %	*	*	*	*	*	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	*	*	*	*	*	.0	*	*	.0	*	.1	
	4-10	*	*	.1	.1	*	.0	*	*	.0	*	.3	
	11-21	*	*	.1	.2	*	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	*	
	TOT %	*	.1	.2	.4	.1	.0	*	*	*	.0	*	.8
1<2	0-3	*	*	*	*	*	.0	.0	.0	.0	*	.1	
	4-10	*	*	*	*	*	*	*	*	.0	*	.2	
	11-21	.0	*	*	*	*	.0	*	*	.0	.0	.1	
	22+	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	
	TOT %	*	.1	.1	.1	*	*	*	*	*	.0	*	.3
2<5	0-3	*	.1	*	*	*	*	*	*	.0	.1	.3	
	4-10	*	.2	.1	.3	.1	*	*	*	.0	.0	.8	
	11-21	*	.1	.1	.1	*	*	.0	.0	.0	.0	.3	
	22+	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.1	.3	.3	.4	.1	*	*	*	*	.0	.1	1.4
5<10	0-3	.3	.5	.6	.4	.3	.1	.1	.1	.0	.4	2.7	
	4-10	1.0	2.1	3.4	4.8	1.3	.2	.1	.3	.0	.0	13.2	
	11-21	.2	.6	1.7	4.4	.7	*	*	.1	.0	.0	7.8	
	22+	.0	*	.1	.2	*	*	.0	.0	.0	.0	.3	
	TOT %	1.6	3.2	5.7	9.8	2.3	.3	.2	.4	.0	.4	24.0	
10+	0-3	.5	.8	1.0	1.1	.5	.1	.1	.1	.0	1.6	5.8	
	4-10	1.5	4.4	10.5	21.3	4.5	.3	.3	.3	.0	.0	43.2	
	11-21	.3	.9	4.0	13.9	2.8	.1	*	.1	.0	.0	24.1	
	22+	*	*	.1	.2	.1	.0	.0	.0	.0	.0	.4	
	TOT %	2.3	6.1	15.6	38.5	7.8	.7	.3	.5	.0	1.6	73.4	
TOT OBS		4.0	9.8	21.9	49.1	10.4	1.0	.6	1.0	.0	2.2	100.0	19798
TOT PCT		4.0	9.8	21.9	49.1	10.4	1.0	.6	1.0	.0	2.2	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.1	.0	1.0	5.4	9.1	4.7	2.8	.7	.1	.8	24.7	75.3	1405
06009	.2	.0	.6	5.6	9.6	4.8	2.8	.7	.1	.5	24.8	75.2	1415
12015	.1	.2	1.2	5.2	9.0	4.4	2.1	.9	*	.3	23.4	76.6	1621
18021	.0	.2	.7	5.0	9.2	4.3	3.1	.8	.1	.5	24.0	76.0	1354
TOT													5995
PCT	.1	.1	.9	5.3	9.2	4.6	2.7	.8	.1	.5	24.2	75.8	100.0

TABLE 11

PERCENT FREQUENCY VS BY (NM) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.8	.4	1.9	25.3	71.6	3906
06009	.1	.8	.3	1.2	27.7	69.9	6004
12015	*	.6	.9	1.3	19.8	77.9	4322
18021	.1	.9	.3	1.3	24.8	72.6	6191
TOT							20383
PCT	.1	.8	.3	1.4	24.7	72.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VS BY (NM) AND/OR CEILING HGT (FEET, NH >4/8) BY HOUR

HR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.1	1.2	7.2	18.5	74.3	1353
06009	.2	.9	7.4	18.6	74.0	1362
12015	.1	1.8	7.7	16.4	76.0	1589
18021	.0	1.1	7.1	17.8	75.1	1502
TOT						5806
PCT	.1	1.3	7.4	17.8	74.9	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	.0	*	.1	.0	.0		.1
85/89	.0	.0	.0	*	.5	1.2	.4	.1		2.1
80/84	.0	.0	.0	*	1.4	21.0	19.6	3.2		45.2
75/79	.0	.0	.0	.0	.3	15.4	27.7	8.6		51.9
70/74	.0	.0	.0	.0	.0	*	.3	.3		.6
TOTAL									5944	100.0
PCT	.0	.0	.0	.1	2.2	37.6	47.9	12.2		

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
.2	.4	.5	.7	.1	*	.0	*	.0	.1
2.4	7.1	9.9	19.0	4.4	.4	.3	.6	.0	1.3
1.6	3.6	11.6	26.4	6.9	.5	.4	.5	.0	.8
*	*	.1	.3	.1	*	*	*	.0	*
4.2	11.2	22.2	46.4	11.1	1.0	.7	1.1	.0	2.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	87	82	81	79	76	74	70	78.6	6303
06009	91	83	81	79	76	74	67	78.7	11104
12015	95	86	84	81	77	75	72	80.7	6860
18021	92	86	84	80	77	75	69	80.0	11315
TOT	95	85	83	79	76	75	67	79.5	35782

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.5	25.6	58.6	15.4	84	1477		
06009	.0	.0	.6	24.7	58.9	15.9	84	1581		
12015	.0	.3	3.6	49.9	37.2	9.2	80	1592		
18021	.0	.1	3.9	48.3	37.9	9.8	80	1604		
TOT	0	6	136	2330	2993	789	82	6254		

ANNUAL

PERIOD: (PRIMARY) 1897-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.8N 29.4W

TABLE 17

PCT FRQ 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	86 92	TOT	M FOG	WD FOG
11/13	.0	.0	.0	.0	.0	*	.0	3	.0	*
9/10	.0	.0	.0	.0	*	*	.0	5	.0	.1
7/8	.0	.0	.0	.1	.1	.2	*	31	.0	.3
6	.0	.0	.0	.0	.1	.2	*	27	.0	.3
5	.0	.0	.0	.1	.2	.4	.1	66	.0	.7
4	.0	.0	.0	.1	.8	.4	*	115	*	1.2
3	.0	.0	*	.5	1.5	.4	.0	215	.1	2.3
2	.0	.0	*	1.2	3.1	.4	.0	435	.1	4.7
1	.0	.0	.1	4.9	5.2	.1	.0	929	.2	10.1
0	.0	*	.7	13.5	6.9	.1	.0	1898	.5	20.3
-1	.0	.0	1.2	19.5	4.2	*	.0	2251	.4	24.5
-2	.0	.0	1.0	13.1	2.0	.0	.0	1469	.2	15.9
-3	.0	*	.9	7.2	.5	*	.0	802	.1	8.6
-4	.0	.0	1.0	3.3	.3	.0	.0	436	.1	4.6
-5	.0	.0	.9	1.5	.2	.0	.0	239	.0	2.6
-6	.0	.0	.4	.4	*	.0	.0	87	.0	.9
-7/-8	.0	.0	.3	.5	*	.0	.0	73	*	.8
-9/-10	.0	.0	.1	*	.0	.0	.0	8	.0	.1
-11/-13	.0	.0	*	.0	.0	.0	.0	2	.0	*
-14/-16	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL								9092		
PCT	*	*	6.7	65.7	25.3	7.1	.1	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1953-1974

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.3	.5	.0	.0	.0	.0	.8	.5	.7	.1	.0	.0	.0	.0	1.2
1-2	.2	1.5	.2	.0	.0	.0	2.0	.4	5.1	.3	.0	.0	.0	.0	5.7
3-4	.0	.7	.5	.0	.0	.0	1.2	.1	2.6	1.4	.0	.0	.0	.0	4.1
5-6	.0	.1	.3	.0	.0	.0	.3	*	.6	.4	.0	.0	.0	.0	1.0
7	.0	.0	*	.0	.0	.0	.0	.0	*	.3	.0	.0	.0	.0	.3
8-9	*	.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	.0
12	.0	.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	.0
17-19	.0	.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	.0
23-25	.0	.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	.0
33-40	.0	.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	.0
49-60	.0	.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	.0
71-86	.0	.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	.0
TOT PCT	.6	2.8	1.0	.0	.0	.0	4.4	1.0	8.9	2.4	.0	.0	.0	.0	12.3

HGT	E						PCT	SE						PCT	
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.6	1.2	.1	.0	.0	.0	1.9	.5	1.5	*	.0	.0	.0	.0	2.0
1-2	.6	7.8	.8	.0	.0	.0	9.2	.5	12.4	3.5	.0	.0	.0	.0	16.4
3-4	*	4.5	2.8	*	.0	.0	7.4	.1	8.5	10.2	*	.0	.0	.0	18.9
5-6	.0	.8	2.0	*	.0	.0	2.9	*	1.4	5.9	*	.0	.0	.0	7.3
7	.0	.1	.4	*	.0	.0	.5	.0	.2	1.5	*	.0	.0	.0	1.7
8-9	.0	.0	*	.0	.0	.0	*	.0	.0	*	.0	.0	.0	.0	*
10-11	.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	.0
13-16	.0	.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	.0
20-22	.0	.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	.0
26-32	.0	.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	.0
41-48	.0	.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	.0
61-70	.0	.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	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	14.5	6.1	.1	.0	.0	21.9	1.0	24.0	21.2	.1	.0	.0	.0	46.3

PERIOD: (OVER-ALL) 1963-1974

ANNUAL

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.2	.3	.1	.0	.0	.0	.6	.0	.1	.0	.0	.0	.0	.1
1-2	.3	2.9	.7	.0	.0	.0	3.9	*	.1	.0	.0	.0	.0	.2
3-4	*	1.7	1.6	.0	.0	.0	3.4	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.4	1.2	*	.0	.0	1.6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.3	.1	.0	.0	.4	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	*	*	.0	.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	.5	5.3	4.0	.1	.0	.0	9.9	*	.3	.1	.0	.0	.0	.5

HGT	H						PCT	NW						TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.1	.0	.0	.0	.0	.1	.1	*	.0	.0	.0	.0	.2
1-2	.0	.2	.1	.0	.0	.0	.3	.1	.5	*	.0	.0	.0	.6
3-4	.0	.1	*	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.2
5-6	.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	.0	.4	.1	.0	.0	.0	.5	.2	.7	.1	.0	.0	.0	1.1 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	6.2	4.6	.2	.0	.0	.0	11.0	
1-2	2.6	29.9	5.6	.0	.0	.0	38.1	
3-4	.3	17.9	16.5	.1	.0	.0	34.9	
5-6	.1	3.1	9.7	.1	.0	.0	13.0	
7	.0	.3	2.4	.1	.0	.0	2.8	
8-9	*	.0	.1	.0	.0	.0	.2	
10-11	.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	9.2	55.9	34.7	.2	.0	.0	100.0	3320

PERIOD: (OVER-ALL) 1949-1974

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	11.1	15.4	8.8	1.8	.2	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1731	3
6-7	*	1.2	8.2	11.1	3.8	1.0	.3	*	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1139	5
8-9	.0	.5	2.4	4.0	2.8	.7	.3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	472	5
10-11	.0	.6	.7	1.1	.9	.4	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	164	5
12-13	.0	.0	.5	.3	.2	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	6
>13	.0	.0	.0	.3	.1	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	7
INDET	2.4	4.5	6.4	3.5	1.5	.2	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	790	3
TOTAL PCT	4.0	17.9	33.7	29.1	11.1	2.8	1.1	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	4372	4

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	.1	*	.1	.1	.2	.0	*	.0	.0	*	.0	.0	17	*
85/86	.3	.7	.7	1.8	1.5	.7	.5	.2	.2	.1	.2	.1	193	.6
83/84	1.8	3.5	7.1	12.8	11.5	4.4	1.4	.6	.7	1.6	1.5	1.2	1437	4.1
81/82	30.7	41.9	53.1	60.9	59.4	34.3	15.3	8.4	9.0	17.8	19.9	24.1	11113	32.0
79/80	56.7	47.8	34.3	22.4	24.3	43.9	40.7	33.3	40.2	44.6	34.4	38.7	14487	41.8
77/78	9.6	5.4	4.1	1.8	2.6	14.2	35.0	45.2	41.7	32.9	21.7	14.9	6375	18.4
75/76	.6	.5	.4	.2	.5	2.2	6.6	11.4	8.0	2.7	1.9	.8	975	2.8
73/74	.2	*	.2	.0	.1	*	.5	.9	.2	.2	.1	.2	79	.2
71/72	*	*	.2	.1	.0	.0	.2	.1	*	.1	.1	.0	18	.1
69/70	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
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
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	2793	2793	3279	2970	3026	2948	2857	2593	2597	2966	3029	3043	34696	100.0
MEAN	79.9	80.3	80.7	81.3	81.1	80.0	78.8	78.2	78.5	79.1	79.4	79.6	79.7	

TABLE 21
PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1012	1012	1011	1012	1012	1012	1010	1012	1011	1309
FEB	1012	1012	1010	1012	1011	1012	1010	1012	1011	1450
MAR	1012	1012	1010	1012	1013	1012	1010	1012	1011	1696
APR	1012	1012	1010	1012	1013	1012	1010	1012	1011	1347
MAY	1013	1013	1011	1013	1013	1013	1011	1012	1012	1353
JUN	1014	1014	1013	1014	1014	1014	1012	1014	1013	1422
JUL	1015	1015	1014	1015	1015	1015	1013	1014	1014	1428
AUG	1015	1015	1014	1015	1015	1015	1013	1014	1014	1295
SEP	1015	1014	1013	1014	1015	1014	1013	1014	1014	1462
OCT	1014	1013	1012	1013	1014	1013	1011	1013	1013	1369
NOV	1012	1012	1010	1012	1012	1012	1010	1012	1011	1347
DEC	1012	1012	1010	1012	1012	1012	1010	1012	1011	1351
ANN	1013	1013	1012	1013	1013	1013	1011	1013	1012	17619
OBS	1831	1766	3338	1758	1928	1783	3447	1768		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1001	1007	1008	1010	1011	1013	1015	1017	1021
FEB	1005	1006	1008	1010	1011	1013	1014	1016	1023
MAR	1000	1004	1008	1010	1011	1013	1014	1017	1025
APR	1001	1006	1008	1010	1011	1013	1015	1016	1024
MAY	1003	1007	1009	1011	1012	1013	1015	1016	1020
JUN	1001	1008	1010	1012	1013	1015	1016	1019	1022
JUL	999	1004	1011	1013	1014	1016	1017	1020	1025
AUG	1005	1008	1011	1013	1014	1016	1017	1019	1023
SEP	1003	1009	1011	1013	1014	1015	1017	1018	1022
OCT	999	1007	1009	1011	1013	1014	1016	1017	1019
NOV	999	1006	1008	1010	1011	1013	1015	1017	1022
DEC	1003	1006	1008	1010	1011	1012	1014	1016	1019

Volume	Area	Name	Approximate Central Location
1	1	Georgetown	08.5°N 57.5°W
	2	Cayenne	06.5°N 52.2°W
	3	Amazon Delta	01.3°N 47.3°W
	4	Farratajeza NW	01.1°S 41.1°W
	5	Natal	04.2°S 34.5°W
	6	Recife	09.4°S 33.7°W
	7	Salvador	14.4°S 36.8°W
	8	Vitoria ME	19.0°S 37.5°W
2	9	Rio De Janeiro	23.2°S 40.8°W
	10	Florianopolis	27.0°S 46.0°W
	11	Porto Alegre	31.0°S 48.7°W
	12	Buenos Aires	35.3°S 53.5°W
	13	Bahia Bianca	40.0°S 58.2°W
	14	Rawson	44.1°S 52.4°W
	15	Puerto Deseado	48.0°S 64.0°W
	16	Magellan Strait East	51.5°S 65.0°W
3	17	Tierra Del Fuego	55.0°S 66.0°W
	18	Falkland Islands	51.9°S 58.9°W
	19	South Georgia	54.5°S 37.0°W
	20	Tristan da Cunha Group	39.0°S 10.4°W
	21	Trindade	20.5°S 29.0°W
	22	St. Helena	15.5°S 05.5°W
	23	Ascension	07.5°S 14.5°W
	24	St. Peter and Paul Rocks	01.0°N 29.5°W