Pan American World Airways, Inc.

LIBRARY

NOV 14 2001

National Oceanic &
Atmospheric Administration
U.S. Dept. of Commerce

QC
981
.A57
1936

EASTERN DIVISION

ANNUAL

METEOROLOGICAL SUMMARY

1936

LIBRARY
OCT 29 1930
WEATHER BUREAU

PAA

PAN AMERICAN AIRWAYS SYSTEM

COMMUNICATIONS DEPARTMENT

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Climate Database Modernization Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

LASON
Imaging Subcontractor
12200 Kiln Court
Beltsville, MD 20704-1387
March 28, 2002

TABLE OF CONTENTS

	Page
MONTHLY SUMMARIES	1-12
YEARLY SUMMARY	13
MIAMI	14
NASSAU	15
HAVANA	16
GUANTANAMO	17
SANTIAGO	18
PORT AU PRINCE	19
SAN PEDRO DE MACORIS	20
SAN JUAN	21
ST. JOHNS	22
PORT CASTRIES	23
PORT OF SPAIN	24
GEORGETOWN	25
SAN JULIAN	26
CIENFUEGOS	27
KINGSTON	28
BARRANQUILLA	29
MARACAIBO	30
LA GUAIRA	31
GUANTA	32
CARIPITO	33
BELIZE	34
WINDS, AVERAGE	35
PRECIPITATION, TOTAL	36
WINDS, STRONG	37
VISIBILITY, POOR	38
CEILING, LOW	39
THUNDERSTORMS	40
FOGS, TYPES	41
PRECIPITATION, FREQUENCY	42
WINDS AT SURFACE, HIGHEST VELOCITIES	43
WINDS ALOFT, AVERAGES AND HIGHEST VELOCITIES	44-66
MIAMI	44-45
KEY WEST	46-47
HAVANA	48-49
GUANTANAMO	50-51
SAN PEDRO DE MACORIS	52-53
SAN JUAN	54-55
PORT OF SPAIN	56-57
BARRANQUILLA	58-59
KINGSTON	60-61
SAN JULIAN	62-63
EASTERN SUMMARY	64-65
HURRICANES	66-68

075580

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

WESTERN DIVISION STATION JANUARY, 1958	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
NASSAU	E 7	--	0	0	0	0	0	--
MIAMI	SSE 13	3.94	2	2	2	1	0	8
HAVANA	SE 12	2.23	3	1	0	0	0	9
KUEVITAS	E 8	1.97	0	2	2	0	1	3
SANTIAGO	NE 3	0.00	0	0	1	0	0	0
PORT AU PRINCE	E 6	0.30	0	0	0	0	0	1
MACORIS	NE 6	0.63	0	0	0	0	0	8
SAN JUAN	NNE 13	2.09	0	0	0	0	0	14
ST. JOHN	E 8	1.96	0	0	0	0	0	16
PORT CASTRIES	NE 11	2.51	0	0	1	0	0	14
PORT OF SPAIN	NE 5	1.33	0	0	1	0	0	11
GEORGETOWN	NE 9	8.75	0	0	5	0	0	12
SAN JULIAN	E 9	1.00	1	2	10	0	2	1
CIENFUEGOS	SE 8	0.49	1	0	0	0	0	5
KINGSTON	SE 9	0.86	2	0	0	0	0	4
BARRANQUILLA	SSE 13	0.00	1	0	0	0	0	0
MARACAIBO	NE 4	0.00	0	0	0	0	0	0
LA GUAIRA	NE 4	0.00	0	0	3	0	0	0
CARIPITO	E 5	1.46	0	0	10	0	0	11
BELIZE	E 9	3.11	0	0	5	0	0	6

STRONG WINDS - 30 MPH OR MORE

Miami	Jan. 19	SW	36
San Julian	" 31	N	30

DENSE FOGS - 1000 FEET OR LESS

Kuevitas	Jan. 13	0630 to 0800
San Julian	" 3	0700 to 1000
"	" 4	0700 to 0900

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] DIVISION STATION FEBRUARY, 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
NASSAU	E 8	--	0	0	0	0	0	--
MIAMI	SSW 15	3.[illegible]	9	4	6	0	2	13
HAVANA	S 10	3.67	10	2	4	3	0	7
GUANTANAMO	NE 10	0.[illegible]	3	0	1	0	1	7
SANTIAGO	S 5	0.[illegible]	2	0	0	3	0	2
PORT AU PRINCE	E 6	2.[illegible]	0	0	0	0	0	6
MACORIS	SE 7	1.[illegible]	1	1	2	0	0	8
SAN JUAN	ENE 13	1.[illegible]	0	0	0	0	0	9
ST. JOHNS	E 8	1.[illegible]	1	0	0	0	0	11
PORT CASTRIES	NE 8	2.[illegible]	0	0	0	0	0	15
PORT OF SPAIN	NE 5	0.[illegible]	0	0	2	0	0	7
GEORGETOWN	NE 8	4.[illegible]	0	1	5	0	0	9
SAN JULIAN	S 11	2.07	4	0	3	0	0	4
CIENFUEGOS	S 11	3.[illegible]	2	0	0	6	0	6
KINGSTON	SE 7	0.[illegible]	0	0	0	0	0	4
BARRANQUILLA	NE 14	0.[illegible]	8	0	0	0	0	0
MARACAIBO	NE 5	0.[illegible]	1	0	0	0	0	0
LA GUAIRA	NE 4	0.[illegible]	0	0	2	0	0	1
CARIPITO	E 5	1.[illegible]	0	0	6	0	0	5
BELIZE	E 10	1.[illegible]	0	3	1	0	1	4

STRONG WINDS - 50 MPH OR MORE

Miami	Feb. 15	SSE 50	Havana	Feb. 21	N 50	Cienfuegos	Feb. 13	SE 52
"	" 21	SSW 50	"	" 22	N 50	Barranquilla	" 24	NE 50
Havana	" 4	S 54	Guantanamo	" 22	NE 50	"	" 25	NE 54
"	" 15	S 50	Cienfuegos	" 4	SE 50	"	" 26	NNE 52

DENSE FOGS - 1000 FEET OR LESS

Miami	Feb. 5	0600 to 0800	Nassau	Feb. 15	0600 to 0800
"	" 17	0700 to 0800	Belize	" 5	Early AM to 0800

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION MARCH, 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
NASSAU	E 9	--	0	0	0	0	0	--
MIAMI	SSW 13	3.83	2	1	5	1	1	6
HAVANA	SE 13	3.31	2	3	4	3	0	8
MANZANILLO	NE 9	0.81	0	0	0	0	0	2
SANTIAGO	SE 4	2.20	0	0	2	5	0	2
PORT AU PRINCE	E 6	2.06	0	0	0	0	0	7
MAGORIS	[illegible] 7	0.10	0	0	0	0	0	1
SAN JUAN	ENE 13	1.43	0	0	0	0	0	5
ST. JOHNS	E 6	1.58	0	0	1	0	0	8
PORT CASTRIES	NE 9	0.47	0	0	0	0	0	3
PORT OF SPAIN	NE 4	0.42	0	0	2	0	0	8
GEORGETOWN	NE 9	16.01	0	1	3	0	0	17
SAN JULIAN	E 9	6.66	0	1	4	0	1	5
CIENFUEGOS	E 9	1.58	2	0	0	3	0	3
KINGSTON	SE 8	0.20	0	0	0	0	0	3
BARRANQUILLA	NE 14	0.00	6	0	0	0	0	0
MARACAIBO	NE 6	0.53	0	1	3	1	0	1
LA GUAIRA	NE 5	0.00	0	0	1	0	0	0
CARIPITO	E 5	1.87	0	0	5	0	0	7
BELIZE	E 9	1.67	0	0	0	0	0	3

STRONG WINDS - 30 MPH OR MORE

Miami	March 10	SSW 34
Havana	" 9	S 44

DENSE FOGS - 1000 FEET OR LESS

Miami	March 6	Early AM to 0730
San Julian	" 15	0630 to 0800

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION APRIL, 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
NASSAU	SE 10	--	0	0	0	0	0	--
MIAMI	SSE 14	3.47	2	2	4	0	2	8
HAVANA	N 11	1.49	1	0	3	3	0	4
HUEVITAS	NE 11	1.43	0	0	5	0	0	4
SANTIAGO	SE 5	1.50	0	0	1	7	0	2
PORT AU PRINCE	E 8	0.42	0	0	0	5	0	11
MACORIS	SE 7	1.35	0	0	2	0	0	9
SAN JUAN	WSW 16	2.37	1	0	0	0	0	14
ST. JOHNS	E 8	4.46	0	1	4	0	0	14
PORT CASTRIES	NE 14	1.50	1	0	0	0	0	13
PORT OF SPAIN	SE 6	0.48	0	2	5	0	0	7
GEORGETOWN	NE 8	16.54	0	1	9	0	0	25
SAN JULIAN	E 8	2.71	1	0	0	0	0	4
CIENFUEGOS	E 9	4.17	1	0	0	10	0	10
KINGSTON	SE 9	1.10	0	0	0	0	0	1
BARRANQUILLA	NE 14	0.00	2	0	0	0	0	0
MARACAIBO	NE 6	0.61	0	0	1	0	0	2
LA GUAIRA	ENE 5	0.04	0	0	8	0	0	1
CARIPITO	E 5	6.52	0	0	14	4	0	19
BELIZE	E 9	4.27	0	0	1	0	0	7

STRONG WINDS - 30 MPH OR MORE

Havana	Apr. 2	S 35
Cienfuegos	" 2	S 32

DENSE FOGS - 1000 FEET OR LESS

Miami	Apr. 23	0530 to 0800
"	" 24	0700 to 1100

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION MAY, 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	NNE 17	7.29	5	0	5	1	0	12
HAVANA	E 11	1.02	0	2	5	7	0	3
MUNITAS	NE 10	6.62	0	0	4	0	0	6
SANTIAGO	[illegible] 3	11.40	0	0	1	19	0	11
PORT AU PRINCE	E 6	20.29	0	0	0	10	0	20
MACORIS	[illegible] 7	3.06	1	0	0	0	0	11
SAN JUAN	[illegible] 10	16.38	1	3	6	7	0	23
ST. JOHNS	[illegible] 6	8.76	0	0	5	1	0	16
PORT CASTRIES	[illegible] 7	7.92	0	0	8	0	0	16
PORT OF SPAIN	[illegible] 6	4.83	0	1	4	0	0	11
GEORGETOWN	[illegible] 8	21.74	0	0	7	0	0	21
SAN JULIAN	E 7	7.45	0	0	8	0	0	5
CIENFUEGOS	NE 8	3.52	0	0	0	11	0	11
KINGSTON	SE 7	5.23	0	0	1	5	0	8
BARRANQUILLA	NE 8	8.10	0	0	0	3	0	12
MARACAIBO	SE 4	1.41	0	1	1	2	0	6
LA GUAIRA	NE 6	0.80	0	0	0	0	0	2
GUANTA	E 6	0.15	0	0	2	0	0	2
CARUPITO	E 3	3.78	0	0	16	0	0	15
BELIZE	E 7	2.65	0	0	2	0	0	9

STRONG WINDS - 30MPH OR MORE

Miami	May 22	NNE	45
"	" 23	NE	40
"	" 24	NE	38
San Juan	" 25	SE	35

DENSE FOGS - 1000 FEET OR LESS

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION JUNE, 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	S 13	27.43	4	1	6	0	0	21
HAVANA	[illegible] 11	12.51	1	4	9	16	0	17
MORVITAS	[illegible] 6	15.00	0	2	7	6	0	19
SANTIAGO	[illegible] 2	10.75	0	0	2	22	0	7
PORT AU PRINCE	[illegible] 7	2.95	1	0	1	4	0	10
MACORIS	[illegible] 7	1.49	1	0	1	0	0	9
SAN JUAN	[illegible] 15	3.63	0	0	0	2	0	17
ST. JOHNS	[illegible] 7	3.51	0	0	4	2	0	10
PORT CASTRIES	[illegible] 9	7.75	0	0	9	0	0	18
PORT OF SPAIN	[illegible] 5	11.22	1	2	5	1	0	22
GEORGETOWN	[illegible] 7	15.99	0	0	3	0	0	16
SAN JULIAN	[illegible] 7	14.03	0	2	19	0	0	10
CIENFUEGOS	[illegible] 3	15.02	3	0	3	13	0	18
KINGSTON	[illegible] 8	16.70	0	1	4	0	0	19
BARRANQUILLA	N 7	5.75	0	0	0	16	0	17
MARACAIBO	[illegible] 2	2.53	1	0	3	2	0	5
LA GUAIRA	[illegible] 5	4.35	0	1	4	0	0	3
GUANTA	E 6	0.23	0	1	5	0	1	6
CARUPITO	[illegible] 3	7.59	0	0	4	0	0	22
BELIZE	E 9	15.96	0	0	2	1	0	18

STRONG WINDS - 50 MPH OR MORE

Miami	June 12	E 50	Port of Spain	June 26	SE 40
"	" 14	ENE 36	Cienfuegos	" 2	S 32
Havana	" 12	SE 35	"	" 14	SSE 30
Port Au Prince	" 24	E 32	Maracaibo	" 11	SE 30
Macoris	" 24	SSE 40			

DENSE FOGS - 1000 FEET OR LESS

Guantanamo June 16 [illegible]

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] DIVISION STATION JULY, 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	SSE 13	9.07	2	0	3	1	0	15
HAVANA	[illegible] 11	5.41	0	3	3	11	0	13
MONTEREY	[illegible] 10	4.72	2	2	2	4	0	9
SANTIAGO	SE 3	2.26	0	0	1	10	0	2
PORT AU PRINCE	[illegible] 6	2.71	3	0	0	6	0	2
KINGSTON	[illegible] 0	9.79	0	1	0	2	0	13
SAN JUAN	ENE 14	7.52	0	1	3	0	0	18
ST. JOHNS	[illegible] 3	8.13	0	0	4	2	0	15
PORT CASTRIES	[illegible] 10	10.07	0	0	2	1	0	20
PORT OF SPAIN	[illegible] 5	11.08	0	3	6	0	0	25
GEORGETOWN	NE 3	12.03	0	1	4	4	0	17
SAN JULIAN	[illegible] 3	7.05	0	0	7	4	0	8
CIENFUEGOS	[illegible] 8	1.04	0	0	0	14	0	14
KINGSTON	[illegible] 8	2.05	0	0	0	0	0	6
BARRANQUILLA	E 9	3.85	0	0	0	6	0	6
MARACAIBO	[illegible] 5	.92	1	0	2	1	0	3
LA GUAIRA	NE 4	1.42	0	0	3	0	0	9
CUARTA	E 5	.27	0	1	3	1	0	5
CARIPITO	NE 3	11.53	0	0	6	0	0	23
BELIZE	E 10	12.11	0	0	2	1	0	15

STRONG WINDS - 30 MPH OR MORE

Miami	July 28	SE 31
"	" 29	SE 45
Monterey	" 27	E 35
Port Au Prince	" 3	NNE 30
" " "	" 4	E 30
" " "	" 14	E 30
Maracaibo	" 25	E 30

DENSE FOGS - 1000 FEET OR LESS - None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] DIVISION STATION AUGUST, 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	SSE 12	11.03	2	0	5	1	0	12
HAVANA	E 11	7.51	1	2	3	18	0	10
[illegible]	NE 9	3.08	0	0	0	2	0	9
SANTIAGO	SE 3	6.76	0	0	0	15	0	5
PORT AU PRINCE	E 3	7.07	1	0	0	12	0	17
MACORIS	SE 6	4.76	0	1	1	3	0	14
SAN JUAN	NNE 12	9.30	0	0	5	0	0	25
ST. JOHN	E 6	5.78	0	0	2	1	0	16
PORT CASTRIES	NE 3	5.64	0	0	0	0	0	15
PORT OF SPAIN	SE 3	4.37	0	0	5	1	0	14
ORANGESTADT	NE 3	.40	0	0	1	0	0	4
SAN JULIAN	E 3	10.32	0	1	11	3	0	8
CINCHVROOK	SW 7	2.21	0	0	0	19	0	19
KINGSTON	SE 3	3.92	0	0	0	0	0	5
BARRANQUILLA	E 3	6.92	0	0	0	7	0	7
MARACAIBO	S 5	.15	0	0	2	3	0	1
LA GUAIRA	NE 4	.06	0	0	0	0	0	1
GUANTA	N 2	2.01	0	0	2	0	0	6
CARIPITO	E 3	4.30	0	0	0	2	0	18
BELIZE	E 3	7.97	0	0	0	0	0	12

STRONG WINDS - 50 MPH OR MORE

Miami Aug. 2 NNE 50

Port Au Prince " 25 E 32

DENSE FOGS - 1000 FEET OR LESS

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] DIVISION STATION SEPTEMBER, 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	ENE 10	7.47	1	1	2	0	0	16
HAVANA	E 9	2.14	0	0	2	13	0	5
NUEVITAS	NE 8	1.50	0	0	0	2	0	7
SANTIAGO	NE 2	4.50	0	0	0	19	0	6
PORT AU PRINCE	E 5	15.82	2	0	0	15	0	18
MACORIS	NE 6	3.53	0	1	1	4	0	12
SAN JUAN	ENE 13	5.84	1	0	1	0	0	22
ST. JOHNS	E 6	11.96	0	1	3	3	0	19
PORT CASTRIES	NE 6	7.46	0	0	2	3	0	13
PORT OF SPAIN	NE 6	8.15	0	0	3	0	0	15
GEORGETOWN	NE 5	1.89	0	0	0	0	0	4
SAN JULIAN	E 7	4.54	0	0	4	2	0	3
CIENFUEGOS	SE 6	3.31	0	0	0	16	0	16
KINGSTON	NE 6	1.10	0	0	0	0	0	3
BARRANQUILLA	E 7	7.71	0	0	0	11	0	10
MARACAIBO	NE 4	1.57	3	0	0	8	0	5
LA GUAIRA	NE 4	1.45	0	0	3	0	0	4
GUANTA	E 4	2.17	0	0	0	0	0	5
CARUPITO	E 2	3.46	0	0	2	1	0	11
BELIZE	E 8	15.62	0	1	2	0	0	14

STRONG WINDS - 30 MPH OR MORE

San Juan Sept. 4 E 30 Maracaibo Sept. 3 E 38
" " 20 E 35
" " 27 E 30

DENSE FOGS - 1000 FEET OR LESS

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION

STATION

OCTOBER, 1936

	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	NE 12	7.77	3	0	1	0	0	16
HAVANA	NE 11	1.28	3	0	1	7	0	7
NUEVITAS	NE 7	3.33	0	1	1	1	0	14
SANTIAGO	NE 4	7.80	0	0	3	7	0	6
PORT AU PRINCE	E 5	6.28	0	0	0	7	0	8
MAGORIS	SE 6	10.61	0	2	2	2	0	12
SAN JUAN	ENE 12	5.84	0	0	0	0	0	23
ST. JOHNS	E 5	12.57	0	0	1	1	0	23
PORT CASTRIES	NE 7	11.43	0	0	3	1	0	20
PORT OF SPAIN	SE 4	4.28	0	0	0	0	0	12
GEORGETOWN	NE 9	3.74	0	0	1	3	0	8
SAN JULIAN	ENE 8	2.05	0	0	1	2	0	6
CIENFUEGOS	NE 6	1.09	0	0	0	12	0	12
KINGSTON	SE 6	4.40	0	1	2	0	0	9
BARRANQUILLA	NE 7	3.88	0	1	0	12	1	12
MARACAIBO	SE 4	3.69	2	1	6	7	0	7
LA GUAIRA	NE 4	.50	0	0	2	0	0	1
GUANTA	N 4	3.24	0	0	0	0	0	11
CARIPITO	E 3	8.40	0	0	5	0	0	17
BELIZE	NE 7	18.63	0	1	5	1	0	23

STRONG WINDS - 30 MPH OR MORE

Havana	Oct. 10	S 36
Nuevitas	" 5	NE 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Barranquilla Oct. 24 1130-1240

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CARIBBEAN DIVISION STATION NOVEMBER, 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	NE 15	7.96	2	1	1	0	0	9
HAVANA	NE 15	2.38	3	4	3	8	0	7
GUANTANAMO	NE 10	7.56	0	0	3	0	0	15
SANTIAGO	NE 5	1.40	0	0	0	0	0	2
PORT AU PRINCE	E 5	4.31	0	0	0	3	0	6
MACORIS	SE 6	5.19	0	0	0	1	0	9
SAN JUAN	ESE 13	5.35	2	2	2	0	0	15
ST. JOHNS	E 6	5.51	0	0	5	0	0	16
PORT CASTRIES	NE 20	17.32	0	0	3	1	0	16
PORT OF SPAIN	SE 4	5.08	0	0	1	0	0	12
GEORGETOWN	NE 8	4.60	0	0	5	1	0	10
SAN JULIAN	E 9	0	0	1	1	0	0	0
CIENFUEGOS	NE 8	1.23	2	0	3	0	1	9
KINGSTON	SE 6	1.08	0	0	0	0	0	3
BARRANQUILLA	NE 9	.84	0	1	0	3	1	5
MARACAIBO	NE 6	.26	2	0	4	2	0	2
LA GUAIRA	NE 5	2.30	0	0	7	0	0	3
CUANZA	E 4	1.21	0	0	1	0	0	4
CARIPITO	E 4	10.28	0	0	9	0	0	20
BELIZE	NW 8	27.96	0	3	5	0	1	19

STRONG WINDS - 30 MPH OR MORE

Havana Nov. 4 ENE 31

DENSE FOGS - 1000 FEET OR LESS

Cienfuegos Nov. 5 1130-1230
Barranquilla " 18 0645-0730
Belize " 1 0700-0900

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] DIVISION STATION [illegible], 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
MIAMI	[illegible] 13	.03	1	1	1	0	1	7
HAVANA	[illegible] 15	.84	1	1	10	0	0	7
NUEVITAS	[illegible] 11	5.78	1	0	1	0	0	10
SANTIAGO	[illegible] 4	5.00	0	0	0	0	0	3
PORT AU PRINCE	[illegible] 5	3.15	0	0	0	4	0	8
MACORIS	[illegible] 6	2.36	0	0	0	0	0	8
SAN JUAN	[illegible] 13	9.87	1	1	2	1	0	20
ST. JOHNS	[illegible] 5	8.52	0	0	1	0	0	15
PORT CASTRIES	[illegible] 8	7.76	0	0	3	0	0	16
PORT OF SPAIN	[illegible] 5	6.88	0	1	4	0	0	22
GEORGETOWN	[illegible] 8	27.11	0	3	7	1	0	22
SAN JULIAN	[illegible] 10	0	1	0	0	1	0	0
CIENFUEGOS	[illegible] 8	1.38	0	0	1	0	0	5
KINGSTON	[illegible] 6	1.47	0	0	0	0	0	5
BARRANQUILLA	[illegible] 11	0	0	0	0	0	0	0
MARACAIBO	[illegible] 7	1.00	0	0	2	1	0	1
LA GUAIRA	[illegible] 6	2.70	0	0	9	0	0	4
CUARTA	[illegible] 3	1.16	0	0	0	0	0	5
CARIPITO	[illegible] 4	11.26	0	0	7	0	0	20
BELIZE	[illegible] 7	2.25	0	1	2	0	0	3

STRONG WINDS - 50 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS

Miami Dec. 13 0700-0830

YEARLY

~~MONTHLY~~ SUMMARY OF WEATHER OBSERVATIONS

[illegible] DIVISION STATION YEARLY 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
NASSAU **	E 8	—	0	0	0	0	0	—
MIAMI	NNE 13	94.07	35	13	39	5	6	147
HAVANA	E 12	43.61	25	22	53	89	0	97
MUNITAS	NE 9	50.27	6	7	26	15	2	111
SANTIAGO	NE 4	83.55	2	0	11	113	0	48
PORT AU PRINCE	E 6	75.65	7	0	1	72	0	114
MACORIS	SE 6	42.73	3	6	9	12	0	114
SAN JUAN	ENE 13	71.35	6	7	19	10	0	206
ST. JOHNS	E 7	74.29	1	2	30	10	0	179
PORT CASTRIES	NE 9	85.30	1	0	29	6	0	179
PORT OF SPAIN	SE 5	54.21	1	9	36	2	0	166
GEORGETOWN	NE 8	151.90	0	7	56	9	0	165
SAN JULIAN	E 8	58.73	7	7	74	12	3	54
CIENFUEGOS	NE 8	41.95	11	0	7	128	1	128
KINGSTON	SE 7	38.62	2	2	7	5	0	70
BARRANQUILLA	NE 10	40.45	17	2	0	63	2	67
MARACAIBO	NE 5	17.97	10	3	24	27	0	33
LA GUAIRA	NE 5	13.53	0	1	42	0	0	29
GUANTA*	E 4	10.43	0	2	13	1	1	44
CARIPITO	E 4	72.15	0	0	36	7	0	182
BELIZE	E 8	116.84	0	9	30	3	2	131

* 8 months only (May-Dec.)
** 4 " " (Jan-Apr.)

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

BLANK STATION 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	ESE 15	3.94	2	2	2	1	0	8
FEBRUARY	SSE 15	3.86	9	4	6	0	2	13
MARCH	ESE 13	3.83	2	1	5	1	1	6
APRIL	ESE 14	3.47	2	2	4	0	2	8
MAY	ENE 17	7.29	5	0	5	1	0	12
JUNE	E 13	27.43	4	1	6	0	0	21
JULY	ENE 15	9.07	2	0	3	1	0	13
AUGUST	ENE 13	11.63	2	0	3	1	0	18
SEPTEMBER	ENE 10	7.47	1	1	2	0	0	16
OCTOBER	NE 12	7.77	3	0	1	0	0	16
NOVEMBER	NE 13	7.66	2	1	1	0	0	9
DECEMBER	ENE 13	.65	1	1	1	0	1	7

STRONG WINDS - 30 MPH OR MORE

Jan.	19	SE 56	June	12	E 30
Feb.	13	SSE 30	"	14	ENE 36
"	21	SSW 30	July	28	SE 91
Mar.	10	SSE 34	"	29	SE 46
May	22	ENE 48	Aug.	2	ENE 30
"	23	NE 40			
"	24	NE 38			

DENSE FOGS - 1000 FEET OR LESS

Feb. 5	0830 to 0900	Apr. 26	0830 to 0900
" 17	0700 to 0800	" 24	0900 to 1100
Mar. 6	Early AM to 0730	Dec. 13	0700 to 0800

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION MASSAU, 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	E 7	—	0	0	0	0	0	—
FEBRUARY	E 8	—	0	0	0	0	0	—
MARCH	E 9	—	0	0	0	0	0	—
APRIL	E 10	—	0	0	0	0	0	—
MAY								
JUNE								
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER								

STRONG WINDS - 50 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

HAVANA STATION 1336	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 12	2.26	3	1	6	0	0	9
FEBRUARY	E 18	3.57	10	2	4	3	0	7
MARCH	NE 13	3.51	2	3	4	3	0	8
APRIL	E 11	1.69	1	0	3	5	0	4
MAY	E 11	1.02	0	2	5	7	0	3
JUNE	SE 11	12.51	1	4	9	16	0	17
JULY	E 11	6.51	0	3	3	11	0	13
AUGUST	E 11	7.31	1	2	3	18	0	10
SEPTEMBER	E 9	2.18	0	0	2	13	0	6
OCTOBER	NE 11	1.25	3	0	1	7	0	7
NOVEMBER	NE 13	2.25	3	4	9	8	0	7
DECEMBER	E 13	.36	1	1	10	0	0	7

STRONG WINDS - 30 MPH OR MORE

Feb. 4	S 34	Mar. 9	S 44
" 15	S 30	Apr. 2	S 35
" 21	N 30	Jun. 12	SE 35
" 22	N 30	Oct. 10	S 36
		Nov. 4	ENE 31

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] STATION 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	[illegible] 8	1.87	0	1	2	0	1	8
FEBRUARY	[illegible] 10	.68	3	0	1	0	1	7
MARCH	[illegible] 9	.01	0	0	0	0	0	2
APRIL	[illegible] 11	1.43	0	0	5	0	0	4
MAY	[illegible] 10	6.62	0	0	4	0	0	6
JUNE	[illegible] 8	12.00	0	2	7	6	0	10
JULY	[illegible] 10	4.72	2	2	2	4	0	9
AUGUST	[illegible] 9	3.09	0	0	0	2	0	9
SEPTEMBER	[illegible] 8	1.50	0	0	0	2	0	7
OCTOBER	[illegible] 7	3.48	0	1	1	1	0	14
NOVEMBER	[illegible] 10	7.88	0	0	3	0	0	15
DECEMBER	[illegible] 11	5.76	1	0	1	0	0	16

6047

STRONG WINDS - 30 MPH OR MORE

Feb. 22 NW 30
Jul. 27 W 35

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Jan. 13 0650-0800
Feb. 13 0600-0800

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] STATION 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	[illegible] 3	0	0	0	1	0	0	0
FEBRUARY	5	.20	2	0	0	3	0	2
MARCH	[illegible] 4	2.20	0	0	2	6	0	2
APRIL	[illegible] 3	1.00	0	0	1	7	0	2
MAY	[illegible] 3	11.40	0	0	1	18	0	11
JUNE	[illegible] 2	10.76	0	0	2	22	0	7
JULY	[illegible] 3	2.98	0	0	1	10	0	2
AUGUST	[illegible] 3	6.78	0	0	0	16	0	8
SEPTEMBER	[illegible] 2	4.90	0	0	0	19	0	6
OCTOBER	[illegible] 4	7.60	0	0	3	7	0	6
NOVEMBER	[illegible] 5	1.40	0	0	0	0	0	2
DECEMBER	[illegible] 4	5.00	0	0	0	0	0	3

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] AU PRINCE STATION 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	[illegible] 6	.30	0	0	0	6	0	1
FEBRUARY	[illegible] 6	2.95	0	0	0	0	0	8
MARCH	[illegible] 6	2.09	0	0	0	0	0	7
APRIL	[illegible] 6	6.48	0	0	0	5	0	11
MAY	[illegible] 6	20.29	0	0	0	10	0	20
JUNE	[illegible] 7	2.96	1	0	1	4	0	10
JULY	[illegible] 6	2.71	3	0	0	6	0	2
AUGUST	[illegible] 6	7.87	1	0	0	12	0	17
SEPTEMBER	[illegible] 5	15.82	2	0	0	15	0	18
OCTOBER	[illegible] 5	6.98	0	0	0	7	0	8
NOVEMBER	[illegible] 5	4.21	0	0	0	3	0	6
DECEMBER	[illegible] 5	3.15	0	0	0	4	0	8

STRONG WINDS - 30 MPH OR MORE

June	24	E 36
July	3	ENE 30
"	4	E 30
"	14	E 30
Aug.	23	E 32

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SAN PEDRO DE MACORIS STATION 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	[illegible] 6	.[illegible]	0	0	0	0	0	8
FEBRUARY	[illegible] 7	1.[illegible]	1	1	2	0	0	8
MARCH	[illegible] 7	.[illegible]	0	0	0	0	0	1
APRIL	[illegible] 7	1.[illegible]	0	0	2	0	0	9
MAY	[illegible] 7	3.[illegible]	1	0	0	0	0	11
JUNE	[illegible] 7	1.49	1	0	1	0	0	9
JULY	[illegible] 6	9.73	0	1	0	2	0	15
AUGUST	[illegible] 6	4.73	0	1	1	3	0	14
SEPTEMBER	[illegible] 6	3.[illegible]	0	1	1	4	0	12
OCTOBER	[illegible] 6	10.[illegible]	0	2	2	2	0	12
NOVEMBER	[illegible] 6	3.[illegible]	0	0	0	1	0	9
DECEMBER	NE 6	2.[illegible]	0	0	0	0	0	8
		4178						114

STRONG WINDS - 30 MPH OR MORE

June 24 SSE 40

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

STATION 1950	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
[illegible]	[illegible] 13	2.09	0	0	0	0	0	14
[illegible]	[illegible] 13	1.53	0	0	0	0	0	9
[illegible]	[illegible] 13	1.43	0	0	0	0	0	5
[illegible]	[illegible] 16	2.57	1	0	0	0	0	14
[illegible]	[illegible] 10	10.83	1	2	6	7	0	23
[illegible]	[illegible] 15	1.83	0	0	0	2	0	17
[illegible]	[illegible] 14	7.52	0	1	3	0	0	18
[illegible]	[illegible] 12	3.00	0	0	6	0	0	25
[illegible]	[illegible] 13	5.84	1	0	1	0	0	22
[illegible]	[illegible] 12	5.84	0	0	0	0	0	25
[illegible]	[illegible] 13	5.56	2	2	2	0	0	18
[illegible]	[illegible] 15	9.87	1	1	2	1	0	20

STRONG WINDS - 30 MPH OR MORE

May 25 SR 35
Sept. 4 E 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

ST. JOHNS STATION 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	6	1.96	0	0	0	0	0	16
FEBRUARY	6	1.46	1	0	0	0	0	11
MARCH	6	1.38	0	0	1	0	0	8
APRIL	5	4.45	0	1	4	0	0	14
MAY	5	5.76	0	0	5	1	0	16
JUNE	7	3.31	0	0	4	2	0	10
JULY	8	2.21	0	0	4	2	0	15
AUGUST	6	5.73	0	0	2	1	0	18
SEPTEMBER	6	11.36	0	1	3	5	0	19
OCTOBER	5	12.67	0	0	1	1	0	23
NOVEMBER	6	5.81	0	0	5	0	0	16
DECEMBER	5	0.55	0	0	1	0	0	15

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

ST CASERIES STATION 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 11	2.51	0	0	1	0	0	16
FEBRUARY	NE 8	2.02	0	0	0	0	0	15
MARCH	NE 9	.47	0	0	0	0	0	3
APRIL	NE 14	1.50	1	0	0	0	0	15
MAY	NE 7	7.92	0	0	6	0	0	16
JUNE	NE 8	7.75	0	0	9	0	0	18
JULY	NE 10	16.87	0	0	2	1	0	20
AUGUST	NE 6	5.44	0	0	0	0	0	19
SEPTEMBER	NE 5	7.46	0	0	2	5	0	15
OCTOBER	NE 7	11.49	0	0	5	1	0	20
NOVEMBER	NE 10	17.22	0	0	5	1	0	18
DECEMBER	NE 8	7.75	0	0	3	0	0	16

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PORT OF SPAIN STATION 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	SE 5	1.38	0	0	1	0	0	11
FEBRUARY	SE 5	.69	0	0	2	0	0	7
MARCH	NE 4	.42	0	0	2	0	0	8
APRIL	SE 5	.48	0	2	5	0	0	7
MAY	SE 6	4.83	0	1	4	0	0	11
JUNE	SE 5	11.22	1	2	5	1	0	22
JULY	SE 5	11.06	0	3	6	0	0	25
AUGUST	SE 6	4.37	0	0	3	1	0	14
SEPTEMBER	SE 6	5.15	0	0	3	0	0	15
OCTOBER	SE 5	4.86	0	0	0	0	0	12
NOVEMBER	SE 4	3.58	0	0	1	0	0	12
DECEMBER	SE 5	6.85	0	1	4	0	0	22

STRONG WINDS - 30 MPH OR MORE

June 26 SE 40

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CHARLESTOWN STATION 1336	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 9	8.75	0	0	5	0	0	12
FEBRUARY	NE 8	4.16	0	1	5	0	0	9
MARCH	NE 9	15.01	0	1	9	0	0	17
APRIL	NE 8	16.54	0	1	9	0	0	25
MAY	NE 8	21.74	0	0	7	0	0	21
JUNE	NE 7	15.99	0	0	3	0	0	16
JULY	NE 8	12.08	0	1	4	4	0	17
AUGUST	NE 8	.49	0	0	1	0	0	4
SEPTEMBER	NE 8	1.89	0	0	0	0	0	4
OCTOBER	NE 9	3.74	0	0	1	3	0	8
NOVEMBER	NE 8	4.40	0	0	5	1	0	10
DECEMBER	NE 8	27.11	0	5	7	1	0	22
		131.96						165

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

075580

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

JULIAN STATION 1966	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	E 9	1.00	1	2	10	0	2	1
FEBRUARY	S 11	2.07	4	0	3	0	0	4
MARCH	E 9	6.06	0	1	4	0	1	5
APRIL	E 8	2.71	1	0	6	0	0	4
MAY	E 7	7.45	0	0	8	0	0	5
JUNE	E 7	14.03	0	2	19	0	0	10
JULY	E 8	7.05	0	0	7	4	0	8
AUGUST	E 8	10.32	0	1	11	3	0	8
SEPTEMBER	E 7	4.54	0	0	4	2	0	3
OCTOBER	ENE 8	2.95	0	0	1	2	0	6
NOVEMBER	E 9	0	0	1	1	0	0	0
DECEMBER	ENE 10	0	1	0	0	1	0	0
		5878						54

STRONG WINDS - 30 MPH OR MORE

Jan. 31 E 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Jan. 3 0700 to 1000
" 4 0700 to 0800
Mar.15 0630 to 0800

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

BENFURGOS STATION 1938	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	SW 8	.49	1	0	0	5	0	5
FEBRUARY	S 11	3.01	2	0	0	6	0	6
MARCH	S 9	1.58	2	0	0	3	0	3
APRIL	S 9	4.17	1	0	0	10	0	10
MAY	NE 8	3.52	0	0	0	11	0	11
JUNE	S 8	18.02	3	0	3	18	0	18
JULY	NE 8	1.04	0	0	0	14	0	14
AUGUST	SW 7	2.21	0	0	0	19	0	19
SEPTEMBER	SE 6	3.31	0	0	0	16	0	16
OCTOBER	NE 6	1.99	0	0	0	12	0	12
NOVEMBER	NE 8	1.23	2	0	3	9	1	9
DECEMBER	NE 8	1.36	0	0	1	5	0	5

STRONG WINDS - 30 MPH OR MORE

Feb.	6	SE 30
"	15	SE 32
Apr.	2	S 32
June	2	S 32
"	14	SSE 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Nov. 5 1130 to 1200

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

KINGSTON STATION 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	SE 9	.86	2	0	0	0	0	4
FEBRUARY	SE 7	.66	0	0	0	0	0	4
MARCH	SE 8	.20	0	0	0	0	0	3
APRIL	SE 9	1.10	0	0	0	0	0	1
MAY	SE 7	5.28	0	0	1	5	0	8
JUNE	SE 8	16.70	0	1	4	0	0	19
JULY	ENE 8	2.06	0	0	0	0	0	6
AUGUST	SE 6	3.92	0	0	0	0	0	5
SEPTEMBER	SE 6	1.10	0	0	0	0	0	3
OCTOBER	SE 6	4.40	0	1	2	0	0	9
NOVEMBER	SE 6	1.03	0	0	0	0	0	3
DECEMBER	SE 6	1.47	0	0	0	0	0	5

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

BARRANQUILLA STATION 1938	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	ENE 15	0	1	0	0	0	0	0
FEBRUARY	NE 14	0	8	0	0	0	0	0
MARCH	NE 14	0	6	0	0	0	0	0
APRIL	NE 14	0	2	0	0	0	0	0
MAY	NE 8	8.10	0	0	0	8	0	12
JUNE	N 7	2.78	0	0	0	16	0	17
JULY	N 9	3.85	0	0	0	6	0	6
AUGUST	N 8	6.92	0	0	0	7	0	7
SEPTEMBER	N 7	7.71	0	0	0	11	0	10
OCTOBER	NE 7	3.88	0	1	0	12	1	12
NOVEMBER	NE 9	.24	0	1	0	3	1	3
DECEMBER	NE 11	0	0	0	0	0	0	0

STRONG WINDS - 30 MPH OR MORE

Feb. 24	NE 30
" 25	NE 34
" 26	ENE 32

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Oct. 24	1150 to 1240
Nov. 18	0545 to 0720

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

MARACAIBO STATION 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 4	0	0	0	0	0	0	0
FEBRUARY	NE 5	0	1	0	0	0	0	0
MARCH	NE 6	.53	0	1	3	1	0	1
APRIL	NE 6	.51	0	0	1	0	0	2
MAY	SE 4	1.41	0	1	1	2	0	6
JUNE	SE 2	2.93	1	0	3	2	0	5
JULY	SE 5	.92	1	0	2	1	0	3
AUGUST	S 5	.15	0	0	2	3	0	1
SEPTEMBER	SE 4	1.57	3	0	0	8	0	5
OCTOBER	SE 4	8.69	2	1	6	7	0	7
NOVEMBER	NE 6	.26	2	0	4	2	0	2
DECEMBER	NE 7	1.00	0	0	2	1	0	1

STRONG WINDS - 30 MPH OR MORE

June 11	SE 30
July 25	E 30
Sept. 3	E 32
" 20	E 35
" 27	E 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

LA GUAIRA STATION 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 4	0	0	0	3	0	0	0
FEBRUARY	NE 4	.01	0	0	2	0	0	1
MARCH	NE 5	0	0	0	1	0	0	0
APRIL	ENE 5	.04	0	0	8	0	0	1
MAY	NE 6	.80	0	0	0	0	0	2
JUNE	NE 5	4.35	0	1	4	0	0	3
JULY	NE 4	1.42	0	0	3	0	0	9
AUGUST	NE 4	.08	0	0	0	0	0	1
SEPTEMBER	NE 4	1.45	0	0	3	0	0	4
OCTOBER	NE 4	.50	0	0	2	0	0	1
NOVEMBER	NE 5	2.30	0	0	7	0	0	3
DECEMBER	NE 6	2.70	0	0	9	0	0	4

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 3000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

GUANTA STATION 1956	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY								
FEBRUARY								
MARCH								
APRIL								
MAY	E 6	.15	0	0	2	0	0	2
JUNE	E 6	.28	0	1	5	0	1	8
JULY	E 5	.27	0	1	3	1	0	5
AUGUST	E 2	2.01	0	0	2	0	0	8
SEPTEMBER	E 4	2.17	0	0	0	0	0	5
OCTOBER	E 4	3.34	0	0	0	0	0	11
NOVEMBER	E 4	1.21	0	0	1	0	0	4
DECEMBER	E 3	1.16	0	0	0	0	0	5

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

June 16 0830-0900

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CARIPITO STATION 1936	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	E 5	1.48	0	0	10	0	0	11
FEBRUARY	E 5	1.55	0	0	8	0	0	5
MARCH	E 5	1.87	0	0	5	0	0	7
APRIL	E 5	6.32	0	0	14	4	0	19
MAY	E 3	3.78	0	0	16	0	0	15
JUNE	NE 3	7.89	0	0	4	0	0	22
JULY	NE 3	11.33	0	0	6	0	0	25
AUGUST	E 3	4.80	0	0	0	2	0	12
SEPTEMBER	E 2	3.45	0	0	2	1	0	11
OCTOBER	E 3	8.40	0	0	5	0	0	17
NOVEMBER	E 4	10.28	0	0	9	0	0	20
DECEMBER	E 4	11.28	0	0	7	0	0	20

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

BELIZE STATION [illegible]	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH:					
			WIND 25 MPH OR MORE	VISBY. LESS THAN ONE MILE	CEILING BELOW 1000 FT.	THUNDER STORMS	FOGS DENSE	PRECIP. 0.01 IN. OR MORE
JANUARY	E 9	3.11	0	0	5	0	0	6
FEBRUARY	E 10	1.62	0	3	1	0	1	4
MARCH	E 9	1.67	0	0	0	0	0	3
APRIL	E 9	4.27	0	0	1	0	0	7
MAY	E 7	9.65	0	0	2	0	0	9
JUNE	E 9	13.96	0	0	2	1	0	16
JULY	E 10	12.11	0	0	2	1	0	15
AUGUST	E 8	7.97	0	0	0	0	0	12
SEPTEMBER	E 8 -	13.82	0	1	2	0	0	14
OCTOBER	[illegible] 7	18.63	0	1	5	1	0	25
NOVEMBER	[illegible] 8	27.98	0	3	6	0	1	19
DECEMBER	E 7	2.25	0	1	2	0	0	3

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Feb. 5 Early AM to [illegible]
Nov. 1 [illegible] to [illegible]

PREVAILING WIND DIRECTIONS AND AVERAGE VELOCITIES - 1936

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	E7	E8	E9	SE10								
MIAMI	ESE13	SSE13	SSE13	SSE14	ENE17	E13	ENE13	ENE13	ENE10	NE12	NE13	ENE13
HAVANA	SE12	S16	SE13	E11	E11	SE11	E11	E11	E9	NE11	NE13	E13
KINGSTON	E8	NE10	NE9	NE11	NE10	NE6	E10	NE9	NE8	NE7	NE10	ENE11
SANTIAGO	NE3	S5	SE4	NE5	NE3	SE2	SE3	SE3	NE2	NE4	NE5	NE4
PORT AU PRINCE	E6	E6	E6	E6	E6	E7	E6	E6	E5	E5	E5	E5
MACORIS	SE5	SE7	E7	SE7	SE7	SE7	SE6	SE6	SE5	SE6	SE6	NE8
SAN JUAN	ENE13	ENE13	ENE13	ENE16	ENE10	ENE15	ENE14	ENE12	ENE13	ENE12	ENE13	ENE13
ST. JOHNS	E8	E8	E6	E6	E6	E7	E5	E6	E6	E5	E6	E5
PORT CASTRIES	NE11	NE8	NE9	NE14	NE7	NE8	NE10	NE8	NE5	NE7	NE10	NE8
PORT OF SPAIN	SE5	SE5	SE4	SE8	SE6	SE5	SE5	SE6	SE6	SE5	SE4	SE5
GEORGETOWN	NE9	NE8	NE9	NE8	NE8	NE7	NE8	NE8	NE8	NE9	NE8	NE8
SAN JULIAN	E9	S11	E9	E8	E7	E7	E8	E8	E7	ENE8	E9	ENE10
CIENFUEGOS	SE8	S11	S9	S9	NE8	S8	NE8	SW7	SW6	NE6	[illegible]	NE8
KINGSTON	SE9	SE7	SE8	SE9	SE7	SE8	SSE8	SE6	SE6	SE6	SE8	SE6
BARRANQUILLA	ENE13	NE14	NE14	NE14	NE8	E7	E9	E8	E7	NE7	NE9	NE11
MARACAIBO	NE4	NE5	NE6	NE6	SE4	SE2	SE5	S5	SE4	SE4	NE6	NE7
LA GUAIRA	NE4	NE4	NE5	ENE5	NE6	NE5	NE4	NE4	NE4	NE4	NE5	NE8
GUANTA					E6	E6	E5	E2	E4	E4	E4	E5
CARIPITO	E5	E6	E6	E5	E3	NE3	NE5	E3	E2	E3	E4	E4
BELIZE	E9	E10	E9	E9	E7	E9	E10	E8	E8	NE7	NE8	E7

TOTAL PRECIPITATION - 1956

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	-	-	-	-								
MIAMI	3.94	3.88	3.85	3.47	7.29	27.45	9.07	11.63	7.47	7.77	7.26	.63
HAVANA	2.23	3.67	3.31	1.49	1.02	12.51	5.61	7.31	2.14	1.23	2.25	.84
GUANTANAMO	1.97	.86	.61	1.43	5.52	13.00	4.72	3.09	1.50	3.33	7.58	5.76
SANTIAGO	0	.20	2.20	1.60	11.40	10.75	2.25	6.75	4.50	7.60	1.40	5.00
PORT AU PRINCE	.80	2.95	2.06	5.46	20.29	2.95	2.71	7.87	15.82	6.20	4.31	3.13
MACORIS	.65	1.36	.10	1.38	3.06	1.49	9.79	4.73	3.58	10.61	3.19	2.86
SAN JUAN	2.09	1.05	1.43	2.37	16.88	3.63	7.82	9.80	5.94	5.84	5.55	9.87
ST. JOHNS	1.96	1.56	1.68	4.46	8.76	3.31	8.61	8.78	11.86	12.57	5.51	8.53
FORT CASTRIES	2.51	2.02	.47	1.60	7.92	7.75	10.87	5.64	7.46	11.49	17.92	7.75
PORT OF SPAIN	1.36	.69	.42	.48	4.83	11.22	11.06	4.37	5.15	4.88	3.58	6.85
GEORGETOWN	8.75	4.16	15.01	16.54	21.74	15.99	12.08	.49	1.89	2.74	4.40	27.11
SAN JULIAN	1.00	2.07	6.66	2.71	7.45	14.03	7.05	10.32	4.54	2.95	0	0
CIENFUEGOS	.49	3.01	1.89	4.17	3.82	18.02	1.04	2.21	5.31	1.99	1.23	1.36
KINGSTON	0.66	.56	.20	1.10	5.28	16.70	2.05	3.92	1.10	4.40	1.08	1.47
BARRANQUILLA	0	0	0	0	8.10	9.78	3.86	6.92	7.71	3.55	.24	0
MARACAIBO	0	0	.55	.51	1.41	2.93	.92	.15	1.57	5.69	.26	1.00
LA GUAIRA	0	.01	0	.04	.50	4.38	1.42	.08	1.45	.50	2.30	2.70
GUANTA	-	-	-	-	.15	.28	.87	2.01	2.17	3.24	1.21	1.16
CARIPITO	1.48	1.55	1.87	6.32	3.78	7.59	11.35	4.80	3.45	8.40	10.28	11.28
BELIZE	3.11	1.62	1.67	4.27	9.65	18.96	18.11	7.97	13.62	18.65	27.98	2.25

NUMBER OF DAYS WITH WIND - 25 MPH OR MORE - 1936

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	0	0	0	0								
MIAMI	2	9	2	2	5	4	2	2	1	3	2	1
HAVANA	3	10	2	1	0	1	0	1	0	3	3	1
HUSVITAS	0	3	0	0	0	0	2	0	0	0	0	1
SANTIAGO	0	2	0	0	0	0	0	0	0	0	0	0
PORT AU PRINCE	0	0	0	0	0	1	3	1	2	0	0	0
MAGORIS	0	1	0	0	1	1	0	0	0	0	0	0
SAN JUAN	0	0	0	1	1	0	0	0	1	0	2	1
ST. JOHNS	0	1	0	0	0	0	0	0	0	0	0	0
PORT CASTRIES	0	0	0	1	0	0	0	0	0	0	0	0
PORT OF SPAIN	0	0	0	0	0	1	0	0	0	0	0	0
GEORGETOWN	0	0	0	0	0	0	0	0	0	0	0	0
SAN JULIAN	1	4	0	1	0	0	0	0	0	0	0	1
CIENFUEGOS	1	2	2	1	0	3	0	0	0	0	2	0
KINGSTON	2	0	0	0	0	0	0	0	0	0	0	0
BARRANQUILLA	1	8	6	2	0	0	0	0	0	0	0	0
MARACAIBO	0	1	0	0	0	1	1	0	3	2	2	0
LA GUAIRA	0	0	0	0	0	0	0	0	0	0	0	0
CUANTA					0	0	0	0	0	0	0	0
CARIPITO	0	0	0	0	0	0	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0	0	0	0	0	0	0

NUMBER OF DAYS WITH VISIBILITY - ONE MILE OR LESS - 1956

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	0	0	0	0								
MIAMI	2	4	1	2	0	1	0	0	1	0	1	1
HAVANA	1	2	3	0	2	4	3	2	0	0	4	1
GUANTANAMO	2	0	0	0	0	2	2	0	0	1	0	0
SANTIAGO	0	0	0	0	0	0	0	0	0	0	0	0
PORT AU PRINCE	0	0	0	0	0	0	0	0	0	0	0	0
MACORIS	0	1	0	0	0	0	1	1	1	2	0	0
SAN JUAN	0	0	0	0	3	0	1	0	0	0	2	1
ST. JOHNS	0	0	0	1	0	0	0	0	1	0	0	0
PORT CASTRIES	0	0	0	0	0	0	0	0	0	0	0	0
PORT OF SPAIN	0	0	0	2	1	2	3	0	0	0	0	1
GEORGETOWN	0	1	1	1	0	0	1	0	0	0	0	3
SAN JULIAN	2	0	1	0	0	2	0	1	0	0	1	0
CIENFUEGOS	0	0	0	0	0	0	0	0	0	0	0	0
KINGSTON	0	0	0	0	0	1	0	0	0	1	0	0
BARRANQUILLA	0	0	0	0	0	0	0	0	0	1	1	0
MARACAIBO	0	0	1	0	1	0	0	0	0	1	0	0
LA GUAIRA	0	0	0	0	0	1	0	0	0	0	0	0
GUANTA					0	1	1	0	0	0	0	0
CARUPITO	0	0	0	0	0	0	0	0	0	0	0	0
BELIZE	0	3	0	0	0	0	0	0	1	1	3	1

NUMBER OF DAYS WITH CEILING - 1000 FEET OR LESS - 1956

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	0	0	0	0								
MIAMI	2	5	5	4	5	6	3	3	2	1	1	1
HAVANA	0	4	4	3	5	9	3	3	2	1	9	10
NUEVITAS	2	1	0	3	4	7	2	0	0	1	3	1
SANTIAGO	1	0	2	1	1	2	1	0	0	3	0	0
PORT AU PRINCE	0	0	0	0	0	1	0	0	0	0	0	0
MACOMB	0	2	0	2	0	1	0	1	1	2	0	0
SAN JUAN	0	0	0	0	6	0	3	5	1	0	2	2
ST. JOHNS	0	0	1	4	5	4	4	2	3	1	5	1
PORT CASTRIES	1	0	0	0	6	9	2	0	2	3	3	3
PORT OF SPAIN	1	2	2	5	4	5	6	3	3	0	1	4
GEORGETOWN	5	5	9	9	7	3	4	1	0	1	5	7
SAN JULIAN	10	3	4	6	8	19	7	11	4	1	1	0
CIENFUEGOS	0	0	0	0	0	3	0	0	0	0	3	1
KINGSTON	0	0	0	0	1	4	0	0	0	2	0	0
BARRANQUILLA	0	0	0	0	0	0	0	0	0	0	0	0
MARACAIBO	0	0	3	1	1	3	2	2	0	6	4	2
LA GUAIRA	3	2	1	8	0	4	3	0	3	2	7	9
GUANTA					2	5	3	2	0	0	1	0
CARIPITO	10	8	5	14	18	4	6	0	2	5	9	7
BELIZE	5	1	0	1	2	2	2	0	2	5	8	2

NUMBER OF DAYS WITH THUNDERSTORMS - 1956

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	0	0	0	0								
MIAMI	1	0	1	0	1	0	1	1	0	0	0	0
HAVANA	0	3	3	3	7	16	11	18	15	7	8	0
HUEVITAS	0	0	0	0	0	6	4	2	2	1	0	0
SANTIAGO	6	3	8	7	19	22	10	15	19	7	0	0
PORT AU PRINCE	6	0	0	5	10	4	6	12	15	7	3	4
MACORIS	0	0	0	0	0	0	2	3	4	2	1	0
SAN JUAN	0	0	0	0	7	2	0	0	0	0	0	1
ST. JOHNS	0	0	0	0	1	2	2	1	3	1	0	0
PORT CASTRIES	0	0	0	0	0	0	1	0	3	1	1	0
PORT OF SPAIN	0	0	0	0	0	1	0	1	0	0	0	0
GEORGETOWN	0	0	0	0	0	0	4	0	0	3	1	1
SAN JULIAN	0	0	0	0	0	0	4	3	2	2	0	1
CIENFUEGOS	5	6	3	10	11	18	14	19	16	12	9	5
KINGSTON	0	0	0	0	5	0	0	0	0	0	0	0
BARRANQUILLA	0	0	0	0	8	16	6	7	11	12	3	0
MARACAIBO	0	0	1	0	2	2	1	3	8	7	2	1
LA GUAIRA	0	0	0	0	0	0	0	0	0	0	0	0
GUANTA					0	0	1	0	0	0	0	0
CARIPITO	0	0	0	4	0	0	0	2	1	0	0	0
BELIZE	0	0	0	0	0	1	1	0	0	1	0	0

NUMBER OF DAYS WITH DENSE FOGS - 1956

(Visibility 1000 feet or less)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	0	0	0	0								
MIAMI	0	2	1	2	0	0	0	0	0	0	0	1
HAVANA	0	0	0	0	0	0	0	0	0	0	0	0
MIEVITAS	1	1	0	0	0	0	0	0	0	0	0	0
SANTIAGO	0	0	0	0	0	0	0	0	0	0	0	0
PORT AU PRINCE	0	0	0	0	0	0	0	0	0	0	0	0
MACORIS	0	0	0	0	0	0	0	0	0	0	0	0
SAN JUAN	0	0	0	0	0	0	0	0	0	0	0	0
ST. JOHNS	0	0	0	0	0	0	0	0	0	0	0	0
PORT CASTRIES	0	0	0	0	0	0	0	0	0	0	0	0
PORT OF SPAIN	0	0	0	0	0	0	0	0	0	0	0	0
GEORGETOWN	0	0	0	0	0	0	0	0	0	0	0	0
SAN JULIAN	2	0	1	0	0	0	0	0	0	0	0	0
CIENFUEGOS	0	0	0	0	0	0	0	0	0	0	1	0
KINGSTON	0	0	0	0	0	0	0	0	0	0	0	0
BARRANQUILLA	0	0	0	0	0	0	0	0	0	1	1	0
MARACAIBO	0	0	0	0	0	0	0	0	0	0	0	0
LA GUAIRA	0	0	0	0	0	0	0	0	0	0	0	0
GUANTA					0	1	0	0	0	0	0	0
CARIPITO	0	0	0	0	0	0	0	0	0	0	0	0
BELIZE	0	1	0	0	0	0	0	0	0	0	1	0

NUMBER OF DAYS WITH PRECIPITATION - 0.01 INCH OR MORE - 1956

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	-	-	-	-								
MIAMI	8	13	6	8	12	21	13	18	16	16	9	7
HAVANA	9	7	8	4	3	17	13	10	5	7	7	7
MANZANILLO	3	7	2	4	6	19	9	9	7	14	15	16
SANTIAGO	0	2	2	2	11	7	2	5	6	6	2	3
PORT AU PRINCE	1	6	7	11	20	10	2	17	18	8	6	8
MAGORIS	8	5	1	9	11	9	13	14	12	12	9	8
SAN JUAN	14	9	5	14	23	17	18	26	22	23	18	20
ST. JOHNS	16	11	8	14	16	10	15	16	19	23	16	15
PORT CASTRIES	14	15	5	13	16	18	20	15	15	20	16	16
PORT OF SPAIN	11	7	8	7	11	22	25	14	15	12	12	22
GEORGETOWN	12	9	17	26	21	16	17	4	4	8	10	22
SAN JULIAN	1	4	5	4	5	10	8	8	3	6	0	0
CIENFUEGOS	5	6	3	10	11	16	14	19	16	12	9	5
KINGSTON	4	4	3	1	8	19	6	5	3	9	3	5
BARRANQUILLA	0	0	0	0	12	17	6	7	10	12	3	0
MARACAIBO	0	0	1	2	6	5	3	1	5	7	2	1
LA GUAIRA	0	1	0	1	2	3	9	1	4	1	3	4
GUANTA					2	6	5	6	5	11	4	5
CARIPITO	11	5	7	19	15	22	23	12	11	17	20	20
BELIZE	6	4	3	7	9	16	15	12	14	23	19	3

WINDS AT SURFACE - HIGHEST VELOCITIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NASSAU	**	**	**	**								
MIAMI	NW 56 19	SSE30 13*	SSE34 10	**	NNE46 22	NNE38 14	SE 91 23	NNE30 2	**	**	**	**
HAVANA	**	S 34 4	S 44 9	S 35 2	**	SE 35 12	**	**	**	S 36 10	ENE31 4	**
PUERTO RICO	**	NW 30 22	**	**	**	**	E 35 27	**	**	**	**	**
SANTIAGO	**	**	**	**	**	**	**	**	**	**	**	**
PORT AU PRINCE	**	**	**	**	**	E 36 24	ENE30 3*	E 32 23	**	**	**	**
MACORIS	**	**	**	**	**	SSE40 24	**	**	**	**	**	**
SAN JUAN	**	**	**	**	SE 35 25	**	**	**	E 30 4	**	**	**
ST. JOHNS	**	**	**	**	**	**	**	**	**	**	**	**
PORT CASTRIES	**	**	**	**	**	**	**	**	**	**	**	**
PORT OF SPAIN	**	**	**	**	**	SE 40 26	**	**	**	**	**	**
GEORGETOWN	**	**	**	**	**	**	**	**	**	**	**	**
SAN JULIAN	E 30 31	**	**	**	**	**	**	**	**	**	**	**
CIENFUEGOS	**	SE 32 15	**	S 32 2	**	S 32 2	**	**	**	**	**	**
KINGSTON	**	**	**	**	**	**	**	**	**	**	**	**
BARRANQUILLA	**	NE 34 25	**	**	**	**	**	**	**	**	**	**
MARACAIBO	**	**	**	**	**	SE 30 11	E 30 25	**	E 35 20	SE 30 5	**	**
LA GUAIRA	**	**	**	**	**	**	**	**	**	**	**	**
GUANTA					**	**	**	**	**	**	**	**
CARIPITO	**	**	**	**	**	**	**	**	**	**	**	**
BELIZE	**	**	**	**	**	**	**	**	**	**	**	**

* Same velocity also on other dates.
** Under 30 miles per hour.

Highest underscored.
Date below velocity.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

MIAMI STATION 1944	EST TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0600	NNW 7	NNE 20	S 20	SW 17	S 14	WNW 14	WSW 16	SW 17	SW 17	WSW 22	W 22	W 2[illegible]
	1115	SE 13	SE 17	SE 19	SSW 18	SW 18	WSW 17	W 18	WNW 18	WNW 20	WNW 23	W 27	WNW 2[illegible]
FEBRUARY	0600	S 9	ENE 23	ENE 24	WSW 23	WSW 21	WSW 20	WNW 20	W 22	WSW 24	W 23	W 25	W 3[illegible]
	1115	NNE 15	ENE 20	ENE 25	ENE 24	SW 23	SW 22	SSW 20	W 18	W 17	W 16	W 34	W 42
MARCH	0600	N 6	SSE 19	SE 20	S 19	W 18	W 18	WNW 16	WSW 16	W 15	W 21	W 25	W 33
	1130	SSE 13	S 16	SSE 15	SW 17	WSW 18	WSW 17	W 17	WNW 20	WNW 22	WNW 26	WNW 25	W 26
APRIL	0600	NNW 7	NNE 14	ENE 18	SE 16	ENE 14	WSW 13	W 14	W 14	W 16	WSW 16	W 16	SW 15
	1130	ENE 13	E 16	ENE 14	W 15	WNW 14	WSW 14	W 15	W 16	W 16	WSW 17	WNW 17	W 24
MAY	0600	ENE 6	E 17	E 18	E 19	ENE 14	ENE 14	ENE 14	ENE 14	ENE 12	ENE 12	WSW 12	WSW 16
	1145	E 15	E 19	E 19	E 17	ENE 16	ENE 15	E 14	NE 13	NE 12	ENE 14	WNW 13	WSW 15
JUNE	0600	ESE 4	SE 14	S 14	SSE 14	S 14	SW 12	SW 12	SW 12	SW 12	SSW 13	WSW 12	WSW 12
	1146	SE 11	NE 13	SSE 12	SSE 11	SE 10	SSW 11	S 11	S 11	W 12	SW 13	SSW 12	WSW 17
JULY	0600	E 5	ESE 14	ESE 15	ESE 13	SE 12	ESE 12	ESE 12	ENE 12	ENE 12	S 13	SSW 13	SSW 12
	1146	ESE 15	E 13	ESE 13	SSE 12	E 12	E 12	E 13	E 15	E 15	ESE 14	ESE 14	WSW 17
AUGUST	0600	ENE 5	ESE 14	ESE 15	ESE 13	ESE 12	ESE 11	ESE 11	ESE 10	ESE 10	ESE 9	ESE 9	E 9
	1115	ESE 10	ESE 14	ESE 14	ENE 13	E 12	SE 12	ESE 13	E 12	ESE 12	ESE 11		
SEPTEMBER	0600	N 5	ESE 10	SE 11	ESE 11	ESE 11	ESE 10	E 10	E 11	SE 10	E 10	E 10	NE 10
	1100	ENE 9	E 12	E 12	ENE 11	NE 11	E 11	E 10	SE 10	E 11	E 13	E 16	E 20
OCTOBER	0600	NNW 6	ENE 13	E 15	E 14	E 12	E 11	E 10	E 11	ENE 11	SW 11	WNW 11	NE 12
	1115	ENE 10	ENE 15	ENE 14	E 13	E 11	E 11	NE 11	E 9	WNW 8	SW 8	WSW 8	WSW 9
NOVEMBER	0600	N 6	ENE 19	E 20	E 19	E 18	E 15	E 14	WSW 14	WSW 16	W 17	W 16	WSW 16
	1100	E 13	E 17	ENE 19	E 15	E 16	ESE 16	E 16	ESE 15	NW 16	W 18	WSW 21	W 19
DECEMBER	0600	E 7	ESE 17	ESE 19	ESE 18	ESE 16	E 14	W 12	WSW 12	W 12	WSW 14	WNW 16	W 20
	1115	E 12	ESE 16	ESE 17	ENE 17	ENE 16	ESE 14	ESE 15	ENE 12	NW 12	W 16	NW 14	W 26
YEAR		SSE 9	ESE 14	ESE 17	ESE 16	E 15	E 14	E 14	E 14	W 14	W 15	W 16	W 23

U. S. Weather Bureau observations.

WIND ALOFT - HIGHWAY VERIFICATION - MIAMI 1936

	Surface *	1000	2000	3000	4000	6000	8000	10000	12000
JANUARY	SW 26 19	SW 38 2	SW 46 2	SSW 46 19	SSW 44 19	SSW 43 19	SW 42 19	W 50 31	W 60 31
FEBRUARY	SW 28 21	SW 40 7	SW 47 7	SSW 48 13	SW 47 13	SSW 48 13	W 47 22	NNW 56 22	WNW 60 22
MARCH	SW 25 17	E 33 2	NNW 38 21	WNW 43 10	NNW 47 10	SW 44 10	SSW 44 9	SW 44 12	W 50 14
APRIL	NNE 22 9	NW 32 12	SSW 30 6	SSW 40 2	SE 27 9	SSW 28 2	SSW 30 9	SSW 32 18	W 38 26
MAY	ENE 32 24	E 48 24	E 42 23	ENE 44 23	E 41 23	ESE 41 23	SW 33 29	SSW 39 30	WSW 34 31
JUNE	NW 18 16	SW 31 12	SSE 35 13	SSW 40 13	NNE 34 8	NE 29 8	NNW 26 16	SSW 26 24	SSW 27 23
JULY	NE 20 29	ENE 29 31	ESE 28 20	SSE 38 23	NNE 29 12	WNW 28 12	W 34 12	W 29 20	W 31 20
AUGUST	ENE 22 23	SSE 29 22	SSE 36 22	SSE 30 22	ENE 26 23	ESE 26 23	ESE28 23	SE 30 21	SSE 18 23
SEPTEMBER	NE 18 16	ENE 34 6	ESE 34 6	SE 32 6	SE 22 6	NE 21 16	E 25 15	E 26 15	E 31 15
OCTOBER	S 22 11	NNE 37 31	NNE 32 31	NNE 38 31	SSW 24 11	SSW 25 11	SSW 22 11	SW 24 11	NNE 23 6
NOVEMBER	E 24 1	E 34 5	NE 36 22	NE 36 27	NNW 32 15	NNW 36 15	NNW 30 26	W 30 26	NNW 33 15
DECEMBER	NNW 26 24	E 36 27	ENE 44 27	E 37 27	NNW 30 17	W 28 18	W 34 18	W 33 18	SSW 32 19

Data below velocity.
Highest underscored.
*At time of wind aloft observations only.

U. S. Weather Bureau observations.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

KEY WEST STATION 1935	EST TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0530	SE 10	ESE 19	ESE 20	SE 17	SE 14	SE 12	W 13	SSW 14	SW 14	SW 14	WSW 18	WSW 24
	1530	ESE 11	ENE 18	SE 19	SE 18	SE 16	ESE 14	SSW 14	W 15	W 17	SW 18	WSW 22	
FEBRUARY	0530	SSW 12	SSW 24	SSW 24	ESE 24	WSW 22	SSW 20	SW 20	SW 20	SW 21	W 23	W 28	
	1515	E 12	SSW 20	SSW 23	ESE 23	SW 20	SW 19	WSW 19	WSW 19	SW 17	SW 22	WSW 23	
MARCH	0530	ESE 11	ESE 20	SE 20	SE 17	WSW 14	S 14	S 14	SW 14	W 15	W 18	W 20	W 19
	1530	SE 12	SE 18	SE 18	SSE 15	ESE 14	SSW 14	WSW 14	W 15	W 17	W 18	W 19	
APRIL	0530	E 10	E 17	ESE 17	SE 16	ENE 13	WSW 13	WSW 13	WSW 12	WSW 14	W 13	WSW 15	W 24
	1530	SE 12	E 16	SSE 16	ESE 16	SE 14	WSW 14	WSW 14	W 13	WSW 13	W 13	WSW 13	
MAY	0530	ENE 9	ENE 17	E 17	E 16	E 16	SSE 16	ENE 14	E 14	ENE 13	ENE 12	ENE 12	SW 25
	1530	E 13	ESE 17	E 17	E 16	E 14	E 14	E 13	E 15	E 12	E 11	W 11	W 16
JUNE	0530	SSE 7	SSE 15	S 14	SSE 12	S 11	S 11	SW 11	SSW 10	WSW 10	SW 10	WSW 12	SW 15
	1530	SSE 11	SSE 15	S 14	SSW 14	SSW 14	S 11	SW 13	SSW 12	SSW 12	SW 11	SW 11	SW 11
JULY	0530	E 9	E 15	E 16	ESE 16	ESE 15	ESE 15	E 14	E 14	E 15	E 15	SW 15	WSW 12
	1515	SE 11	E 15	E 16	ESE 16	E 16	E 16	E 13	E 16	E 16	E 14	S 12	W 15
AUGUST	0530	ENE 8	E 15	SE 15	ESE 14	ESE 13	ESE 12	E 12	E 11	E 12	ESE 11	ESE 8	NW 11
	1530	ESE 9	E 13	E 14	E 14	E 13	ESE 12	E 12	ENE 13	ENE 12	ENE 11	NE 12	NE 13
SEPTEMBER	0530	E 6	E 10	E 10	E 11	E 10	ESE 9	ESE 9	ENE 10	ENE 11	ENE 12	ENE 9	E 9
	1530	E 9	ESE 11	E 11	E 11	E 11	E 11	E 10	E 9	ESE 9	ESE 9	ESE 11	WNW 9
OCTOBER	0530	ENE 7	NE 13	E 13	E 12	ESE 11	E 10	ENE 8	ENE 8	ENE 9	ENE 8	ENE 7	WNW 9
	1530	ENE 9	ENE 12	NE 11	ENE 10	ENE 10	ENE 9	ENE 9	SSE 9	SSW 8	SSW 8	SSE 10	ENE 20
NOVEMBER	0530	NE 11	ENE 22	E 21	E 20	E 17	E 16	E 14	ENE 13	NE 14	NE 12	W 15	WNW 20
	1530	NE 12	ENE 20	E 21	E 19	E 17	E 15	E 14	W 10	W 14	W 16	WNW 12	
DECEMBER	0530	NE 10	ENE 20	ESE 19	ESE 18	ESE 17	ESE 15	ESE 13	ESE 11	SE 11	WSW 14	SW 13	SSW 19
	1530	NE 11	E 18	E 18	E 18	ENE 16	E 15	E 12	E 11	ESE 10	E 10	WSW 12	SW 10
YEAR		E 10	E 17	E 17	E 16	E 15	E 14	E 13	E 13	E 13	WSW 13	WSW 14	W 16

U. S. Weather Bureau observations.

WINDS ALOFT - HIGHEST VELOCITIES - KEY WEST 1946

	Surface *	1000	2000	3000	4000	5000	6000	10000	15000
JANUARY	S 24 19	S 38 19	SSW 47 19	ESE 50 19	ESE 46 19	SSW 42 19	WSW 34 25	W 40 31	W 47 31
FEBRUARY	SE 22 15	E 40 24	SSE 41 15	SSE 39 13	S 43 15	SSW 42 15	W 40 10	SW 44 15	WSW 45 15
MARCH	NW 30 10	WSW 41 10	WSW 41 10	WSW 40 10	WSW 41 10	WSW 35 10	W 36 20	W 43 12	SW 40 14
APRIL	W 20 19	W 35 19	SSW 33 2	SSW 37 2	SSW 39 2	S 36 2	SSW 25 2	W 29 19	WSW 34 3
MAY	E 22 24	E 43 23	E 46 23	E 44 25	E 37 25	WSW 26 28	SW 32 29	W 41 31	W 44 31
JUNE	SSE 26 13	SSE 44 13	SSE 48 13	SSE 49 13	NNE 29 16	NE 26 8	SE 25 3	SW 25 1	WSW 22 1
JULY	S 30 29	SW 30 29	E 31 24	E 30 24	ESE 31 25	ESE 34 25	E 35 24	E 31 25	SSE 27 17
AUGUST	E 15 25	NNE 27 3	E 28 26	E 29 26	ENE 31ESE 26	29 27	E 27 26	SW 20 6	ENE 22 2
SEPTEMBER	E 18 8	E 29 15	E 27 15	ENE 28 15	ENE 25 15	E 26 15	ESE 26 7	E 22 7	ESE 26 6
OCTOBER	E 15 31	ENE 27 31	ENE 29 31	E 28 31	SW 24 11	SW 24 11	SSW 22 11	SSW 23 11	W 25 15
NOVEMBER	ESE 35 11	NNE 38 16	ENE 40 19	ENE 37 19	E 30 17	W 31 26	W 26 15	WSW 36 15	WSW 23 29
DECEMBER	NW 24 17	ENE 38 26	E 41 26	E 38 27	ESE 26 27	ESE 25 27	WSW 32 19	WSW 44 19	SW 27 15

Date below velocity.
Highest underscored.
* At time of wind aloft observation.

U. S. Weather Bureau observations.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

HAVANA STATION	75 Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0730	E 9	ESE 23	SE 19	ESE 16	ESE 14	ESE 12	ESE 12	SSE 13	SSE 14	SSE 15	WSW 18	
FEBRUARY	0730	S 11	S 24	SSW 24	SSW 23	SSW 23	S 22	SSW 19	SSW 18	SSW 19	WSW 25	W 23	
MARCH	0730	SE 6	ESE 18	SE 17	SSE 16	S 14	S 15	S 12	SSW 14	W 14	W 16	W 16	
APRIL	0715	E 7	E 19	ESE 18	ESE 16	SE 15	SE 16	S 15	WSW 14	SW 14	WSW 15	WSW 15	
MAY	0715	E 6	E 17	E 19	E 15	E 15	E 12	ENE 11	ESE 12	ESE 13	ESE 11	ESE 10	
JUNE	0715	E 6	SSE 16	S 17	S 14	SSE 13	SE 11	SSE 11	SSE 12	S 11	SSW 12	SSW 12	
JULY	0700	E 5	ESE 20	ESE 21	ESE 18	E 17	E 18	E 17	E 16	ESE 17	ESE 16	ESE 16	
AUGUST	0700	E 4	ESE 18	E 18	E 17	E 16	ESE 14	ESE 14	E 14	E 14	SSW 13	SSW 13	
SEPTEMBER	0700	E 3	ESE 14	E 15	E 15	E 13	E 12	ESE 12	ESE 11	E 11	E 12	E 11	
OCTOBER	0700	E 4	E 15	ENE 14	E 15	E 15	E 12	E 10	E 10	E 11	ESE 11	ENE 11	
NOVEMBER	0730	E 9	E 21	ENE 22	ENE 19	ENE 18	ENE 17	ENE 16	E 14	ENE 13	E 14	WSW 13	
DECEMBER	0730	E 7	E 21	E 20	E 17	E 15	E 13	E 13	E 12	E 12	W 14	SW 12	
YEAR		E 7	ESE 19	E 18	E 16	E 15	E 14	ESE 14	E 13	E 14	SSW 14	WSW 14	

NATIONAL OBSERVATORY OBSERVATIONS

WINDS ALOFT - HIGHEST VELOCITIES - HAVANA 1956

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NNE 26 23	SE 39 18	SSW 45 19	SSW 39 19	SSW 37 19	SE 39 19	SSE 29 6	SSE 30 6	SSW 29 15
FEBRUARY	NE 50 25	ESE 40 24	SE 43 26	ESE 38 25	SSW 36 21	SSW 31 21	WSW 29 21	E 42 14	SSW 38 5
MARCH	SSE 20 10	WSW 31 10	SSW 38 9	ESE 40 9	WSW 38 10	SSW 42 9	SSW 44 9	SSW 34 9	W 36 20
APRIL	E 20 19	E 40 21	S 34 2	S 36 2	S 47 2	S 36 2	SSW 28 2	SW 27 2	WSW 34 18
MAY	SSW 14 28	SSW 29 28	SSW 36 28	SSW 30 30	SSW 25 30	SSW 27 30	SSW 34 30	WSW 22 29	WSW 18 29
JUNE	SW 26 15	SW 36 15	SW 44 15	WSW 46 15	SE 18 22	SSE 22 22	S 22 22	SW 22 1	WSW 29 1
JULY	E 9 25	E 34 5	E 40 24	E 41 24	E 38 24	E 37 6	NW 40 24	SW 31 24	NE 35 24
AUGUST	E 9 25	ESE 34 27	E 36 23	ESE 36 27	ESE 36 27	ESE 37 27	SE 31 28	SE 32 28	ESE 29 14
SEPTEMBER	E 8 20	E 29 7	E 31 7	ESE 31 7	ESE 24 7	ESE 31 7	ESE 28 7	ESE 28 7	E 27 8
OCTOBER	NE 25 31	NE 27 25	S 27 11	S 31 11	ESE 29 10	S 22 11	SSE 29 6	SSE 27 10	SSE 29 10
NOVEMBER	ENE 22 17	E 34 2	E 40 2	E 29 2	WSW 29 26	ENE 31 4	ESE 27 1	W 27 24	NE 22 2
DECEMBER	NNE 17 21	ESE 36 6	E 40 26	E 38 26	E 31 26	ESE 29 6	SW 27 19	WSW 35 19	SW 37 19

Date below velocity.
Highest underscored.
* At time of wind aloft observations only.

National Observatory observations.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

NUEVITAS STATION 1000	75 Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0830	E 6	E 21	E 21	E 17	E 16	S 15	SSE 16	E 15	SE 16	SSW 12	SSE 15	SW 16
FEBRUARY	0815	NE 6	SE 19	SSE 16	SSE 16	E 14	ENE 12	SSE 11	SSE 10	SSW 12	SSW 11	NNE 11	SE 10
MARCH	0845	E 8	E 17	E 19	E 16	E 14	E 11	ENE 11	SSW 11	WSW 12	WSW 12	WSW 17	SW 20
APRIL	0830	E 10	E 15	E 15	ENE 16	ENE 14	NE 14	NE 12	SSW 11	SSW 14	S 15	SSW 17	SW 21
MAY	0815	E 8	ENE 15	ENE 16	E 13	ENE 11	ENE 9	S 9	S 8	S 10	SSW 11	SW 11	WSW 14
JUNE	0830	E 5	ESE 13	ESE 14	SE 14	SE 15	SE 16	SE 14	S 15	SSE 15	SSE 13	S 10	SW 14
JULY	0815	E 8	E 17	E 17	E 16	E 15	ESE 15	SSE 15	ESE 15	SSE 16	SSE 14	SSW 17	S 17
AUGUST	0815	E 8	ENE 15	NE 16	NE 16	NE 14	NE 12	ESE 10	E 10	ESE 11	E 12	E 12	S 9
SEPTEMBER	0815	ENE 7	NE 15	NE 13	ENE 12	NE 11	ENE 11	NE 10	NE 9	NE 8	S 8	ESE 6	SE 7
OCTOBER	0830	E 6	ENE 15	NE 13	NE 12	NE 10	ENE 9	ENE 10	ENE 10	ENE 10	ENE 10	NE 15	SSE 12
NOVEMBER	0715	NE 7	NE 19	NE 19	NE 18	ENE 12	NE 12	E 11	SSW 10	NNE 10	NE 8	NNE 9	ESE 8
DECEMBER	0745	ENE 8	NNE 19	NE 20	NE 20	NE 16	NE 16	ENE 14	NNE 4	NNE 11	NNE 12	E 13	SSE 11
YEAR		E 7	E 16	NE 17	E 15	NE 14	NE 13	ENE 12	SSW 11	SSE 12	SSW 12	E 13	SW 15

WINDS ALOFT - HIGHEST VELOCITIES - HUMVITAS 1936

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NNE 18 26	E 36 7	E 38 7	E 32 26	ESE 27 6	SSE 30 25	E 20 7	E 26 7	SSE 24 15
FEBRUARY	NE 27 23	E 33 26	NE 29 1	E 33 26	NE 30 23	SSE 19 4	S 20 9	SW 20 15	WSW 20 20
MARCH	NE 18 13	E 30 10	SSW 38 10	SSW 43 10	SSW 35 10	SSW 32 10	WSW 28 17	SW 30 10	W 32 8
APRIL	E 20 7	E 32 7	E 30 5	E 33 21	ESE 36 5	NE 33 30	S 27 12	S 25 15	SSW 23 17
MAY	WNW 20 31	SSE 32 28	NNW 35 31	WNW 40 31	N 28 9	SSW 23 28	S 20 23	WSW 23 28	SW 23 30
JUNE	E 12 27	NNW 26 23	SE 26 2	SE 35 2	SE 32 2	SE 33 13	S 27 14	S 36 27	SW 18 4
JULY	E 18 5	ENE 45 25	NNE 43 23	NNE 38 23	SSE 25 17	SSE 40 17	SSE 35 17	S 25 5	SSE 40 4
AUGUST	E 15 4	ENE 25 11	ENE 36 14	NE 38 23	ENE 27 14	NE 18 6	SSW 22 27	SE 25 27	E 20 15
SEPTEMBER	E 16 7	NE 32 7	ENE 25 6	NE 27 13	NE 27 7	NE 30 13	NE 12 15	S 15 22	NE 12 11
OCTOBER	ENE 14 27	ENE 28 9	NNE 27 8	ENE 25 8	NNE 20 8	ENE 25 8	NNE 23 8	ENE 22 8	E 27 16
NOVEMBER	NE 16 17	NE 26 1	NE 27 1	NE 30 1	NE 18 1	E 17 5	ESE 20 5	SW 14 22	E 14 5
DECEMBER	NNE 26 23	NNE 32 23	NNE 35 23	ENE 37 27	ENE 32 6	NE 32 6	SSW 22 20	SSW 22 17	SSW 42 17

Date below velocity.
Highest velocity underscored.
* At time of wind aloft observations only.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

MACUMIS STATION 1956	75 Hour TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0645	NE 2	E 22	ENE 23	E 20	E 19	E 18	E 18	E 17	E 15			
	1330	E 11	ENE 15	E 18	E 16	E 15	ENE 14	SE 11	ESE 12	SSE 12	ENE 11		
FEBRUARY	0615	NE 3	E 20	E 19	ENE 20	ESE 22	ENE 19	E 18	ESE 15	E 16			
MARCH	0600	NE 3	SE 15	SE 16	ENE 17	NE 15	NE 16	NE 15	ENE 14	NE 13	NE 3		
APRIL	0615	NE 3	E 19	E 22	E 19	E 19	E 18	E 16	E 15	E 16	E 13		
	1400	SSE 16	SE 26	SE 22	SE 18	SE 22	SE 22	ENE 18	SE 9	SE 22			
MAY	0630	E 4	ENE 14	ESE 15	SE 12	SE 11	ESE 10	ESE 8	SE 8	ESE 8	SSE 11	WNW 16	
	1400	S 16	SSE 16	SE 16	SE 11	SE 11	E 8	SSE 11	WSW 6	W 6	W 14	W 19	
JUNE	0630	E 4	SE 19	SE 19	SE 20	SE 20	SE 19	SE 17	SE 16	ESE 15	ESE 13	SSE 6	
	1415	SE 17	SE 17	SSE 19	SSE 16	SSE 16	SE 16	SSE 15	SE 17	SE 18	SSE 18		
JULY	0630	ENE 4	E 22	E 24	ESE 25	ESE 25	ESE 23	ESE 24	ESE 24	SE 25	SE 18	ESE 17	
	1415	SSE 14	SE 22	ESE 21	E 17	ENE 16	ENE 17	E 19	SSE 21	ESE 20	ESE 23		
AUGUST	0700	E 4	E 16	E 17	ESE 17	ESE 17	SE 18	ESE 18	E 16	NE 16	SE 14	SE 8	
	1345	S 9	SE 14	ESE 15	E 16	ENE 15	E 15	E 14	ESE 15	ESE 13	ENE 12	ENE 10	
SEPTEMBER	0730	NE 4	ENE 14	SE 16	E 16	ESE 17	E 16	E 15	E 15	ESE 14	ESE 9	ESE 6	
	1345	S 9	SE 15	SE 16	S 16	S 15	ESE 16	E 16	SSE 15	SSE 16	SSE 12	ESE 14	
OCTOBER	0700	E 4	E 18	E 20	E 20	E 19	E 17	E 17	E 17	E 15	SSE 13	SSE 12	
	1345	SE 12	SE 15	SE 15	ENE 16	SSE 17	SSE 15	ENE 15	ESE 15	ESE 15	SE 15	ESE 16	
NOVEMBER	0715	NE 3	E 15	E 19	E 18	E 18	ENE 17	E 16	E 15	ENE 14	ESE 13	SSE 9	WNW 8
	1330	S 15	SE 15	E 14	ENE 13	ENE 11	ENE 11	E 10	E 10	ESE 11	SE 8	ENE 12	
DECEMBER	0745	NE 3	ENE 17	E 20	E 18	E 17	ENE 17	ENE 15	ENE 15	E 15	E 18	E 8	ESE 5
	1330	SE 12	ESE 15	ENE 12	NW 14	ENE 14	ENE 13	ENE 13	NE 13	E 15	E 16	SE 14	ESE14
YEAR		NE 8	SE 17	E 18	E 17	E 17	ENE 16	E 15	ESE 16	ESE 16	ESE 13	SSE 12	ESE 9

WINDS ALOFT - HIGHEST VELOCITIES - MADORIS 1956

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NE 16 30	NE 39 9	NE 44 8	ESE 34 10	E 34 2	ENE 42 8	ESE 24 17	SSE 19 9	
FEBRUARY	NE 17 6	E 40 4	ENE 35 26	ENE 35 26	ENE 35 25	N 27 23	NE 29 20	NE 17 20	NNE 19 20
MARCH	[illegible] 16 13	NE 30 11	NE 33 10	NE 30 10	NE 34 25	NNE 27 24	NE 24 24	SSE 9 21	NNE 12 21
APRIL	SSE 16 2	SSE 35 13	E 37 7	ENE 35 9	E 30 5	E 30 9	S 25 10	E 20 1	
MAY	SSE 16 29	E 27 27	SE 22 29	SSE 25 29	SSE 25 29	SSE 19 1	ESE 19 1	SSW 19 21	W 19 7
JUNE	S 30 26	ESE 27 24	SE 32 24	SE 37 24	SE 45 24	SSE 34 11	SSE 27 11	ESE 22 25	ENE 10 14
JULY	E 16 30	ESE 33 5	ESE 40 5	SSE 40 25	SSE 35 7	ESE 35 16	ESE 40 16	ESE 25 2	ENE 17 19
AUGUST	S 17 11	ENE 25 21	ESE 25 25	E 27 1	E 25 1	SE 25 30	ENE 34 9	ESE 29 9	ENE 24 30
SEPTEMBER	SE 16 24	E 27 26	ESE 30 28	E 32 28	ENE 27 6	SE 28 24	ENE 29 6	SE 15 1	SW 20 8
OCTOBER	SE 15 11	SE 34 4	E 50 7	ESE 30 6	ESE 32 6	ESE 35 6	E 27 10	E 22 8	ENE 20 30
NOVEMBER	SSE 16 15	NE 25 17	E 23 18	E 25 1	ENE 25 19	ENE 24 17	E 25 18	ENE 20 1	N 24 1
DECEMBER	SSW 16 3	ENE 26 11	ENE 30 6	ENE 30 8	NE 35 9	E 25 6	SE 23 20	E 20 4	E 15 15

Data below velocity.
Highest underscored.
* At time of wind aloft observations only.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

SAN JUAN STATION 1000	60 Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0630	SSE 8	ESE 16	ENE 21	E 21	E 19	ESE 19	E 18	E 18	E 18	E 19	E 16	
FEBRUARY	0630	SSE 9	ESE 16	ESE 18	NE 19	ENE 19	E 18	E 16	E 15	E 14	ESE 14	SSW 13	SW 16
MARCH	0630	SSE 5	ESE 10	ESE 14	E 14	ENE 14	E 14	E 12	NE 10	NE 9	ENE 10	W 11	W 15
	1730	ENE 15	E 20	E 19	SE 13	SE 9	SSE 8	SSE 6	NE 8	ENE 9	ENE 11	ENE 12	NNW 14
APRIL	0630	SSE 7	E 16	E 19	E 19	E 18	E 16	E 15	E 13	E 11	E 11	E 9	SW 15
	1730	ENE 17	ENE 21	E 19	SE 17	SE 14	ESE 12	ENE 11	E 12	E 12	ENE 8	SE 14	NE 15
MAY	0630	SSE 5	SE 10	ESE 12	SE 12	ESE 11	ESE 12	SE 9	ESE 10	ESE 9	W 8	SW 8	SW 9
	1730	SE 10	ESE 13	SE 12	SE 11	SE 10	E 8	SE 9	SE 9	SE 8	SSE 8	SW 13	WSW 16
JUNE	0630	SSE 4	ESE 12	ESE 17	SE 17	ESE 17	SE 15	SE 14	SE 13	ESE 11	E 12	E 12	E 9
	1730	E 15	E 18	ESE 17	SE 14	ESE 12	ESE 11	ESE 11	ESE 12	E 14	E 15	E 17	ESE 7
JULY	0630	ESE 8	E 20	E 23	E 25	E 25	E 26	E 25	E 26	E 23	ESE 23	ENE 16	
	1730	E 18	E 24	E 24	ESE 22	ESE 23	ESE 23	ESE 23	ESE 23	ESE 22	E 17	ESE 12	SE 12
AUGUST	0630	SE 8	E 16	E 18	ESE 19	ESE 19	E 18	ESE 18	ESE 16	E 14	ESE 13	E 12	W 8
	1730	E 14	E 19	E 18	ESE 17	ESE 15	ESE 14	ESE 15	ESE 14	E 13	ESE 13	ENE 14	E 19
SEPTEMBER	0630	SSE 8	ESE 12	E 15	E 16	E 16	ENE 15	E 13	E 13	E 11	ESE 10	ESE 11	ENE 11
	1730	E 13	ENE 16	ENE 18	E 18	E 15	ENE 17	ENE 16	ENE 16	ENE 16	E 15	ESE 8	ESE 10
OCTOBER	0630	SE 7	E 15	E 19	E 18	E 17	E 16	E 13	E 13	E 12	ENE 12	ENE 9	ENE 10
	1730	E 11	E 15	E 17	E 18	E 16	E 14	E 14	E 16	E 15	ESE 13	ESE 11	ENE 15
NOVEMBER	0630	SSE 7	E 15	E 19	E 19	E 19	E 18	ESE 17	ESE 14	E 14	ESE 10	N 10	NNW 14
	1730	E 14	E 18	E 18	E 15	E 15	ESE 13	ESE 13	ESE 13	ESE 12	SE 12	SE 12	NNW 14
DECEMBER	0630	SW 8	E 13	E 16	E 17	E 17	E 16	ENE 15	ESE 14	ENE 14	E 12	NE 8	SW 5
	1730	E 14	E 17	E 17	E 13	E 13	E 13	ENE 11	ENE 10	ENE 12	NE 11	NE 9	NE 9
YEAR		SSE 10	E 16	E 18	E 17	E 16	E 15	E 14	E 14	E 13	E 13	E 12	SW 12

U. S. Weather Bureau observations.

WINDS ALOFT - HIGHEST VELOCITIES - SAN JUAN 1956

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NNE 24 5	NE 28 9	NNE 38 6	ENE 34 4	NE 32 2	NE 36 2	SE 30 23	SSE 20 23	SSE 20 24
FEBRUARY	ENE 32 24	NE 44 24	NE 40 24	NE 40 24	E 30 6	SE 32 14	SSE 34 14	SSE 22 18	NNW 26 18
MARCH	E 20 10	E 25 10	ENE 26 10	ESE 25 11	ENE 22 10	E 24 9	SSE 18 13	NNE 20 23	SSW 22 18
APRIL	NNE 28 11	SE 30 18	E 28 11	E 30 11	E 26 6	ESE 32 12	E 22 2	ESE 20 2	SSE 18 18
MAY	ENE 20 12	SE 30 21	SE 30 21	SE 28 20	ESE 22 20	ESE 22 20	ESE 18 20	E 14 20	W 18 25
JUNE	E 22 4	ESE 24 17	ESE 34 24	ENE 34 24	SE 32 24	E 30 18	ENE 22 30	NE 20 25	WSW 26 1
JULY	E 24 3	E 32 14	ENE 34 30	E 35 30	ESE 36 18	ESE 37 5	E 36 18	E 38 18	ESE 34 4
AUGUST	E 23 20	E 26 20	E 26 20	E 29 12	E 26 12	ESE 26 12	E 26 20	ESE 25 12	SE 20 14
SEPTEMBER	E 22 6	ENE 26 3	E 24 18	ENE 25 10	SE 32 4	ENE 30 11	ENE 28 18	E 34 6	ESE 14 8
OCTOBER	NNE 19 11	ENE 26 11	E 34 6	E 36 6	E 28 7	ENE 26 22	ESE 30 23	ENE 20 22	NNE 20 22
NOVEMBER	E 22 3	E 27 3	E 29 2	E 26 3	E 32 3	E 32 3	E 25 3	ESE 18 26	ESE 21 29
DECEMBER	E 24 31	E 35 31	E 44 31	E 27 19	ESE 26 25	ESE 26 26	ENE 25 10	E 24 19	NE 14 4

Date below velocity.
Highest underscored.
* At time of wind aloft observations only.

U. S. Weather Bureau observations.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

PORT OF STATION SPAIN 1936	00 Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY													
FEBRUARY	0715	NE 2	ENE 11	E 16	E 18	E 21	E 19	E 14	ENE 12	E 14	NNE 9	NNW 10	NE 6
	1100	SE 12	ESE 15	S 12	E 14	E 15	E 16	ESE 15	ESE 9	ESE 9	S 9	NNE 7	W 15
MARCH	1515	W 6	WNW 9	SE 7	ENE 8	ENE 12	E 13	E 5	ENE 13	WNW 14	SW 12	SW 13	SE 3
APRIL	0645	SE 1	E 9	E 12	E 21	E 19	E 20	E 19	E 19	E 14	ENE 16	E 14	E 14
	1145	SE 9	ESE 9	ENE 11	ESE 14	ENE 17	E 22	ENE 15	ESE 14	ESE 13	ENE 6	NE 9	
MAY	0715	ESE 2	E 9	ESE 15	ESE 19	ESE 21	ESE 20	SE 15	ESE 14	ESE 16	ENE 13	E 14	E 12
	1500	SE 6	ESE 11	ESE 10	ENE 10	ENE 14	ESE 15	SE 15	ESE 18	ESE 17	ESE 15	ESE 20	ESE 5
JUNE	0715	ENE 2	E 12	E 20	ESE 19	ESE 22	ESE 21	E 19	ESE 19	ENE 13	ESE 16	ENE 15	ESE 17
	1200	ESE 9	ESE 14	ESE 16	E 18	E 21	E 22	ESE 20	ESE 25	ESE 30	ESE 18	E 19	
JULY	0700	SE 2	NE 9	ENE 12	E 18	E 19	E 19	E 20	E 19	E 19	E 20	E 17	E 16
	1200	ESE 6	SE 6	ESE 9	ESE 10	E 15	E 16	E 18	E 20	ESE 15	ESE 14	ESE 10	ESE 14
AUGUST	0645	SE 1	ESE 8	ESE 12	ESE 15	E 14	E 14	ESE 15	ENE 12	E 13	E 13	ESE 14	ENE 15
SEPTEMBER	0645	SE 2	ESE 11	ESE 12	E 15	E 16	E 15	E 13	E 13	E 15	E 17	ESE 16	E 14
	1100	ESE 10	SE 12	SE 10	ENE 12	SE 10	SE 11	SE 11	SE 16	SE 10	ESE 6	ENE 11	E 7
OCTOBER	0630	Calm	SE 6	ESE 8	ESE 12	ESE 9	ESE 9	ESE 7	ENE 8	ENE 7	ENE 9	ESE 10	SE 11
	1030	S 6	SSW 6	SSW 4	S 12	SSW 14	SSW 12	ENE 17					
NOVEMBER	0745	ENE 2	ESE 10	ENE 14	ENE 18	ENE 19	ENE 18	E 15	ESE 16	NE 11	NNE 10	ENE 12	
DECEMBER	0630	Calm	ENE 6	ENE 11	E 14	E 18	E 15	E 18	E 18	E 16	E 14	ENE 15	
	1100	SE 10	SSW 21	SSE 14	ESE 12	E 10	ENE 8	ENE 10	NE 4	W 9	SW 16	ENE 11	NNE 12
YEAR		SE 5	ESE 10	ESE 12	ESE 16	E 16	E 16	E 15	ESE 16	E 15	ESE 15	ESE 15	E 12

WIND ALOFT - HIGHEST VELOCITIES - PORT OF SPAIN 1936

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY									
FEBRUARY	NNE 20 27	ESE 30 23	E 31 4	E 31 4	NE 35 7	E 25 5	E 30 5	ENE 15 7	NNE 15 17
MARCH	NE 21 8	SE 17 2	NNE 15 20	ESE 13 2	E 22 2	E 5 2	NNW 18 2	NW 17 2	SE 13 2
APRIL	ESE 15 20	E 22 13	ESE 20 20	ESE 27 30	E 36 5	ESE 28 13	ESE 22 20	E 23 22	ENE 26 4
MAY	ESE 16 8	ESE 18 21	ESE 28 21	SE 29 23	SE 30 26	SE 24 21	ESE 28 27	ESE 23 27	ESE 30 25
JUNE	ESE 15 10	ESE 35 10	ESE 31 10	E 29 2	E 30 10	ESE 33 10	ESE 30 10	E 30 9	ENE 23 16
JULY	ESE 12 29	ENE 20 10	E 27 25	ESE 34 25	ESE 30 25	E 34 25	E 36 11	ENE 34 13	ENE 26 13
AUGUST	ESE 10 2	ESE 15 15	SE 19 21	E 24 4	ESE 26 2	ESE 31 2	E 23 4	E 20 4	ESE 28 4
SEPTEMBER	SE 18 30	E 22 21	ESE 26 13	ESE 22 21	E 24 21	E 20 21	E 23 24	ENE 30 24	SE 28 4
OCTOBER	S 7 16	SE 19 17	SE 15 17	SE 20 17	SSE 20 17	ENE 17 21	SE 10 17	SE 9 17	SE 15 24
NOVEMBER	ESE 10 7	ESE 22 9	ESE 27 9	ESE 27 9	ESE 37 9	ESE 25 9	E 15 16	E 18 16	ENE 23 16
DECEMBER	SE 14 27	SE 47 6	ENE 24 6	E 24 15	E 27 15	E 28 15	E 27 15	E 24 15	E 20 15

Date below velocity.
Highest underscored
* At time of wind aloft observations only.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

BARRANQUILLA STATION 1958	75 Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0745	ENE 8	E 17	NE 5	W 7	SSW 6	S 6	S 6	SSE 7	ENE 9	E 15	SW 9	E15
FEBRUARY	0745	ENE 12	ENE 19	ENE 13	SSE 10	SSE 5	SSE 9	ESE 10	SW 5	S 9	SSW 12	E 10	ESE22
MARCH	0900	NE 6	ENE 14	ENE 11	S 12	SSE 9	SSW 8	SSE 5	SE 9	E 7	ENE 9	S 23	E19
APRIL	0745	ENE 13	ENE 18	E 12	SSE 8	S 7	S 6	S 6	SSW 6	SSW 6	S 8	SSE 14	ESE18
MAY	0815	SE 7	ESE 10	ENE 9	SE 8	S 7	S 7	SSE 9	SW 7	ESE 8	SE 9	SSE 6	ENE 1
JUNE	0730	S 7	SSW 11	SSE 9	E 9	S 11	S 10	S 9	SW 10	SW 13	SW 12	SSE 14	ESE11
JULY	0730	ENE 6	ENE 9	ESE 8	SSW 8	SW 6	SSW 8	NNE 6	E 7	SSW 8	SW 12	ESE 16	ESE14
AUGUST	0815	S 8	SSE 13	SE 10	SW 8	S 8	NNE 8	ENE 8	ENE 11	E 16	E 23		
	1545	ENE 8	NE 10	NE 6	SSW 7	SSW 6	S 5	ESE 7	S 8	S 8	SSE 12	SSE 18	
SEPTEMBER	0730	SSE 6	SSE 11	E 12	SE 14	S 6	S 5	S 6	S 7	S 9	SE 11	NW 10	
	1545	E 8	ENE 8	E 7	SW 4	ESE 6	SSE 5	S 6	E 7	ENE 12	S 12	SE 10	
OCTOBER	1545	E 9	NE 11	ENE 9	SW 7	SSW 7	SSW 8	SSW 9	SW 10	SSE 9	S 9	S 10	
NOVEMBER	0730	ESE 6	ENE 12	E 13	SE 8	SSW 5	WSW 7	WNW 7	NNW 8	SSE 12	SW 8	SW 13	
	1545	ENE 12	ENE 13	ENE 10	SW 8	WSW 9	ESE 10	SW 9	SSE 10	SSW 11	SSW 8	SSE 5	
DECEMBER	1545	NE 14	ENE 17	ENE 13	NW 9	N 9	WSW 7	E 8	ENE 10	ENE 11	NE 7	E 8	
YEAR		ENE 9	ENE 13	ENE 10	SW 8	SSW 8	S 7	S 8	SW 8	ENE 10	SE 11	SSE 12	ESE14

WIND ALOFT - HIGHEST VELOCITIES - BARRANQUILLA 1956

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	ENE 16 29	S 27 16	S 18 18	ENE 16 26	SE 12 22	S 15 7	ENE 19 8	N 34 4	SSE 15 7
FEBRUARY	NE 27 26	ENE 37 26	ENE 27 26	S 16 1	ENE 22 29	ENE 16 29	S 11 12	S 17 12	E 20 19
MARCH	NE 11 21	NE 18 2	NE 16 2	S 18 28	SSW 12 28	SW 14 2	NW 10 4	ENE 23 14	E 23 14
APRIL	ENE 25 3	ENE 35 8	ENE 19 8	SSE 18 26	S 14 26	W 12 6	N 18 16	SSE 17 11	SSE 20 11
MAY	NE 14 2	ENE 22 2	S 20 13	S 16 16	NE 15 30	ENE 15 30	ESE 15 8	S 13 27	SSE 10 2
JUNE	ENE 10 24	ENE 21 24	ENE 17 20	SSW 20 14	S 22 27	S 22 27	SSE 23 15	ESE 19 14	SE 23 15
JULY	ENE 15 26	ENE 18 4	ESE 16 19	SSW 15 11	SSW 18 11	SSW 12 19	SE 21 4	ESE 29 15	ESE 24 15
AUGUST	NE 16 30	ENE 30 30	SE 14 5	SE 12 5	E 20 5	ESE 20 5	E 23 5	E 26 30	S 26 25
SEPTEMBER	ENW 10 1	SE 16 6	SE 16 6	E 20 16	S 6 6	SW 10 11	S 19 19	E 18 8	SS 10 8
OCTOBER	N15 27	NW 17 14	E 19 20	SW 14 10	SW 12 10	S 15 15	SSE 15 13	SSE 10 15	SSE 15 31
NOVEMBER	NE 18 28	ENE 25 28	ENE 24 26	ENE 17 26	SW 15 14	SSE 20 10	S 30 10	SW 14 4	SW 13 4
DECEMBER	NE 18 8	NE 24 8	E 19 8	E 14 22	E 16 22	E 18 22	ENE 22 22	WSW 14 29	WSW 14 29

Date below velocity.
Highest underscored.
* At time of wind aloft observations only.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

KINGSTON STATION 1936	75 Year TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0715	NE 2	ESE 9	E 14	E 17	E 19	E 17	E 18	E 19	E 17	E 15	E 14	E19
	1330	SE 13	ESE 16	E 14	ENE 14	E 14	E 16	ESE 16	E 15	ESE 12	E 10	ENE 11	ESE14
FEBRUARY	0715	E 1	ESE 8	E 10	ESE 14	ESE 17	ESE 18	E 15	SW 11	NE 9	W 10	W 15	SW18
	1330	SE 7	SE 13	ESE 14	ESE 14	E 13	ESE 14	ESE 12	NE 9	E 10	E 19		
MARCH	0815	W 1	ESE 7	E 10	E 12	E 14	E 13	E 12	SE 9	E 9	W 13	NW 14	
	1330	SE 9	SW 16	ESE 15	E 12	E 7	E 10	SW 10	S 9	S 11	SE 10		
APRIL	0730	ESE 5	ESE 6	ESE 6	ESE 14	E 17	E 18	E 19	ENE 19	ENE 18	E 13	ESE 14	S 9
	1245	SE 12	SE 18	ESE 16	E 14	E 12	E 12	E 14	ESE 15	ESE 10	E 15		
MAY	0730	SE 5	SE 5	SW 6	E 8	E 10	E 13	ESE 12	ESE 8	ESE 6	ESW 8	W 11	W13
	1245	SE 9	SE 13	SE 11	ESE 12	ESE 11	ESE 11	ENE 9	ENE 6	ESE 9	W 6	WSW 12	
JUNE	0800	ESE 5	ESE 16	ESE 20	ESE 25	ESE 26	ESE 26	ESE 26	ESE 24	ESE 19	ENE 18	ESE 18	
	1230	ESE 10	ESE 18	ESE 19	E 21	ENE 22	ESE 22	ESE 21	E 21	E 15	E 17	E 14	ESE 7
JULY	0800	ESE 6	ESE 14	E 16	E 23	ESE 25	E 28	ESE 28	ESE 27	ENE 26	ENE 21	ESE 19	E20
	1230	ESE 13	ESE 24	ESE 23	E 24	E 26	E 27	E 27	ESE 23	SE 22	SE 27	ESE 26	ESE26
AUGUST	0800	ESE 2	ESE 7	ENE 8	E 14	E 18	E 19	E 20	E 19	E 18	E 14	ENE 11	E 9
	1245	ESE 9	ESE 14	ENE 11	E 12	E 13	ESE 15	E 15	E 16	E 17	E 14	E 16	
SEPTEMBER	0730	SE 3	SSE 8	ESE 9	E 12	E 15	E 16	ESE 18	ESE 16	ESE 14	ESE 13	ESE 12	E 4
	1330	SE 9	SE 16	ESE 16	ENE 13	ENE 13	ESE 15	ESE 12	ESE 14	ESE 15	ESE 10	ESE 10	
OCTOBER	0930	E 2	NE 8	ESE 9	E 14	E 16	E 17	ESE 17	ESE 17	ESE 14	ENE 13	SE 13	
	1245	ESE 6	ESE 11	ESE 11	ESE 14	E 17	E 20	ESE 18	ESE 16	SE 16	SE 15	ESE 14	
NOVEMBER	0900	SW 3	ESE 5	ESE 7	E 11	E 14	E 15	E 15	ESE 13	ESE 12	ESE 11	ESE 11	SE10
	1245	SE 5	SE 11	ESE 9	ENE 10	ENE 10	NE 10	ESE 14	ESE 12	ESE 10	SE 10	ESE 6	
DECEMBER	0845	SW 4	WSW 5	ESE 5	ESE 10	ESW 11	E 11	ENE 11	E 11	E 12	ENE 10	ESE 6	SW 7
	1215	ESE 7	SE 13	WSW 8	ESE 8	ESE 7	E 9	E 10	E 9	E 12	W 6		
YEAR		ESE 6	ESE 12	ESE 12	E 14	E 15	E 16	ESE 16	ESE 15	ESE 15	E 13	ESE 13	E14

WINDS ALOFT - HIGHEST VELOCITIES - KINGSTON 1956

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	SSE 20 3	ESE 35 16	ESE 40 22	E 33 18	E 36 18	E 27 1	E 28 18	E 20 18	E 25 9
FEBRUARY	ESE 15 5	ESE 30 26	ESE 50 26	E 34 4	ESE 34 13	E 30 5	ESE 27 26	WNW 26 11	ENE 20 23
MARCH	SE 20 10	SE 35 10	ESE 40 24	ESE 40 10	ESE 22 14	E 22 25	ENE 20 25	W 20 11	WNW 21 11
APRIL	SE 20 1	ESE 35 16	ESE 32 16	ESE 30 16	ESE 27 1	ESE 27 2	ESE 30 22	ESE 22 8	ESE 25 8
MAY	SE 16 26	SE 34 30	ESE 30 28	ESE 35 28	ESE 30 27	SSE 25 28	SE 20 27	SSW 15 29	ESE 30 29
JUNE	ESE 14 4	ESE 39 12	ESE 37 12	ESE 33 26	E 30 26	E 37 26	ESE 30 26	SSE 30 26	SSE 20 26
JULY	ESE 18 7	ESE 40 14	ESE 30 1	E 48 15	E 42 15	ESE 50 25	ESE 38 29	SE 43 12	ESE 45 12
AUGUST	SE 16 22	ESE 25 16	ESE 30 26	ESE 34 11	ESE 30 18	ESE 30 11	E 36 1	E 23 1	E 22 1
SEPTEMBER	SE 16 10	ESE 30 6	ESE 37 6	ESE 35 22	ESE 36 6	ESE 30 22	E 30 7	ESE 28 22	ESE 30 22
OCTOBER	ESE 14 11	ESE 29 10	ESE 35 10	ESE 40 10	ESE 40 10	ESE 40 10	ESE 26 7	ESE 25 7	ESE 27 7
NOVEMBER	ESE 12 10	ESE 25 10	E 20 11	E 35 11	E 34 11	E 42 11	E 24 11	NE 24 3	ESE 30 11
DECEMBER	N 18 2	SE 32 19	E 21 19	ESE 20 19	E 22 6	E 25 6	ESE 27 3	ENE 20 29	N 15 13

Date below velocity.
Highest underscored.
* At time of wind aloft observations only.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

SAN JULIAN STATION 1936	75 Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0930	E 9	ESE 17	SE 16	SSE 14	SSE 14	S 14	S 11	NNE 12	S 13	WSW 17	W 12	
FEBRUARY	0900	S 13	S 21	S 18	S 17	SSE 15	S 13	WSW 10	SW 13	SW 11	NNE 12	WSW 13	
MARCH	0930	E 9	E 13	ENE 13	SSE 14	SSE 15	SE 10	SSE 11	WNW 8	WNW 11	W 13	W 14	
APRIL	0900	E 6	E 16	E 16	E 14	E 11	E 12	SE 11	E 10	WNW 9	WNW 10	WNW 11	
MAY	0915	E 9	E 15	E 17	E 12	E 12	E 12	SSE 11	E 10	ESE 11	ESE 11	ESE 8	
JUNE	0930	E 8	E 16	ESE 17	SE 17	SE 17	ESE 16	ENE 16	SE 10	E 5	W 5	W 7	
JULY	0915	ENE 8	E 18	E 21	E 22	ESE 22	ESE 19	ESE 16	ESE 14	ESE 16	ESE 18	ESE 15	
AUGUST	0930	E 9	ESE 13	ESE 17	ESE 17	SE 16	SE 16	SSE 14	SSE 19	SE 14	SE 11	SE 10	
SEPTEMBER	0930	ENE 6	E 11	ESE 12	SE 10	SE 10	SE 9	SE 9	ESE 8	SE 8	SE 8	E 9	
OCTOBER	0945	ENE 8	ENE 22	SE 21	ESE 19	ESE 15	NE 16	NE 14	ENE 12	ENE 11	ENE 13	NE 13	
NOVEMBER	0945	ENE 8	NE 18	NE 19	NE 18	NE 15	NE 14	NE 12	NE 12	ENE 9	ENE 7	SW 13	
DECEMBER	0945	E 8	E 19	ESE 21	E 19	E 14	E 13	ENE 16	ENE 12	SW 12	ENE 14	SSW 16	
YEAR		E 8	E 17	ESE 17	E 16	SE 15	SE 14	SSE 13	E 12	SE 11	ENE 12	W 12	

WIND ALOFT - HIGHEST VELOCITIES - SAN JULIAN 1956

	Surface *	1000	2000	3000	4000	6000	8000	10000	12000
JANUARY	NE 14 26	SSW 22 19	SE 28 6	SSE 32 5	SSW 30 19	SSE 20 5	S 20 5	NNW 28 24	W 18 10
FEBRUARY	NNE 22 23	ENE 36 25	ENE 30 25	E 32 23	E 22 28	ENE 18 23	NW 14 16	NNW 18 16	WSW 22 16
MARCH	SE 18 27	E 28 22	E 23 22	SSE 30 27	SE 18 29	SSE 20 29	NE 18 1	NNW 18 19	W 30 19
APRIL	NNE 12 8	NNE 26 19	NNE 28 19	SE 26 5	E 25 8	SE 20 6	NW 15 19	NW 20 12	W 23 19
MAY	E 16 17	E 25 17	E 58 17	ESE 20 8	SSE 26 8	ESE 26 8	W 20 21	NNW 20 21	WNW 10 21
JUNE	SE 12 19	ESE 30 12	ENE 28 12	ESE 30 12	SE 25 19	ENE 25 12	S 5 28	S 5 28	W 7 26
JULY	SSE 12 23	E 24 5	E 24 23	ESE 28 3	ESE 50 5	ESE 25 5	ENE 18 23	ENE 22 5	ESE 15 18
AUGUST	E 22 27	ESE 20 14	E 20 27	ESE 25 29	SE 25 29	SSE 20 1	SE 25 1	SE 25 1	SSE 14 14
SEPTEMBER	ENE 10 10	E 15 24	ENE 17 12	SE 18 24	SE 15 12	SE 15 24	SE 10 19	SE 15 24	NE 14 26
OCTOBER	E 12 8	ENE 32 31	ENE 56 31	SSE 56 31	SE 42 10	SSE 50 9	ENE 21 29	SSE 50 10	NE 20 31
NOVEMBER	SSE 12 12	NNE 26 21	NNE 24 21	NE 30 5	NE 40 8	NE 24 5	NW 15 28	NNW 15 28	WNW 15 28
DECEMBER	E 14 10	E 40 5	E 42 5	ENE 36 5	ENE 18 31	ENE 28 17	SE 25 19	SE 30 19	SSW 32 19

Date below velocity.
Highest underscored.
* At time of wind aloft observations only.

[redacted] MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

[redacted] STATION [redacted]	TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
MIAMI ♯		ENE 9	ENE 14	ESE 17	ESE 16	E 15	E 14	E 14	E 14	E 14	E 15	E 16	W25
KEY WEST ♯		E 10	E 17	E 17	E 16	E 15	E 14	E 13	E 13	E 13	WSW 13	WSW 14	W16
HAVANA ♯♯		E 7	ESE 19	E 18	E 16	E 15	E 14	SSE 14	E 13	E 14	SSW 14	WSW 14	
MANZANAS		E 7	E 16	NE 17	E 15	NE 14	NE 13	ENE 12	SSW 11	SSE 12	SSW 12	E 13	SE13
SAN PEDRO DE MACORIS		NE 8	SE 17	E 18	E 17	E 17	ENE 16	E 15	ESE 15	ESE 15	ESE 13	ESE 12	ESE 9
SAN JUAN ♯		SSE 10	E 16	E 18	E 17	E 16	E 15	E 14	E 14	E 13	E 13	E 12	SE12
PORT OF SPAIN *		SE 6	ESE 10	ESE 12	ESE 15	E 16	E 16	E 15	ESE 15	E 15	ESE 13	ESE 13	E12
BARRANQUILLA		ESE 9	ENE 13	ENE 10	SE 8	SSW 8	S 7	S 8	SW 8	ENE 10	SE 11	SSE 12	ESE14
KINGSTON		ESE 6	ESE 12	ESE 12	E 14	E 15	E 16	ESE 16	ESE 15	ESE 13	E 13	ESE 13	E14
SAN JULIAN		E 6	E 17	ESE 17	E 16	SE 15	SE 14	SSE 13	E 12	SE 11	ENE 12	W 12	

* 11 months (Feb.-Dec.)
♯ U. S. Weather Bureau observations.
♯♯ National Observatory observations.

WIND ALOFT - HIGHEST VELOCITIES - 1956

STATION	SURFACE *	1000	2000	3000	5000	6000	8000	10000	12000
MIAMI #	NNE 32 5/24	ENE 37 10/31	ENE 32 10/31	SSW 48 2/15	SW 47 2/15	SSW 48 2/15	W 47 2/22	WNW 58 2/22	NW 60 2/22
KEY WEST #	ESE 33 11/11	SSE 44 6/13	SSE 48 6/13	SSW 50 1/19	SSW 46 1/19	SSW 42 2/13	W 40 2/10	SW 44 2/13	W 47 1/31
HAVANA ##	NE 30 2/23	ESE 40 2/24	SSW 46 1/19	WSW 46 6/15	S 47 4/2	SSW 42 3/9	SSW 44 3/9	W 42 2/14	SSW 36 2/8
NUEVITAS	NE 27 2/23	ENE 45 7/23	ENE 43 7/23	SSW 45 3/10	ESE 35 4/5	ENE 40 7/17	ESE 35 7/17	E 35 6/27	SSW 42 12/17
MAGORIS	S 39 6/24	N 40 2/4	NE 44 1/9	SSE 40 7/25	SE 45 6/24	ENE 42 1/2	ENE 40 7/16	ESE 29 8/9	ENE 24 8/30
SAN JUAN #	NNE 36 2/24	NE 44 2/24	E 44 12/31	NE 40 2/24	ENE 36 7/16	ENE 37 7/5	E 36 7/16	E 36 7/16	ESE 34 7/4
** PORT OF SPAIN	NE 21 2/8	NE 47 12/6	ENE 51 6/10	ESE 34 7/25	ESE 37 11/9	E 34 7/25	ESE 50 6/10	ENE 34 7/13	ESE 30 5/25
BARRANQUILLA	NE 27 2/26	ENE 37 2/26	ENE 27 2/26	SSW 20 6/14	S 22 6/27	S 22 6/27	S 30 11/10	E 34 1/4	S 26 8/25
KINGSTON	SE 20 3/10	ENE 40 7/14	ESE 50 2/26	E 42 7/16	E 42 7/15	ESE 50 7/25	ESE 38 7/29	SE 43 7/12	ESE 45 7/12
SAN JULIAN	ENE 22 2/23	E 40 12/5	E 42 12/5	ENE 38 10/31	SE 42 10/10	SSE 30 10/9	SW 25 12/19	SW 30 12/19	SSW 32 12/19

Data below velocity.
Highest underscored.
* At time of wind aloft observation only.
** 11 months only (Feb.-Dec. inclusive)

\# U. S. Weather Bureau observations.
\#\# National Observatory observations.

HURRICANES - 1936

During the hurricane season of 1936 (June to November, inclusive), 17 tropical disturbances were charted over the North Atlantic Ocean, including the Caribbean Sea and Gulf of Mexico. This is the second largest number ever recorded in a single season, having been exceeded only by 21 in 1933.

The percentage which reached full hurricane intensity was unusually small in 1936. During the 30-year period, 1907 to 1936, inclusive, slightly more than 50 percent of all tropical disturbances of record were of full hurricane intensity, whereas during 1936 only 5 out of 17, or slightly less than 30 percent, were of known hurricane force. There was only one hurricane out of 6 disturbances in August; during that month more than 70 percent normally are fully developed hurricanes.

While the number of disturbances during 1936 was unusually large and many of them were of minor character, it is not believed that the excess is due in any considerable measure to increased facilities for reporting them. In fact there were three disturbed conditions in tropical waters during the 1936 season that have not been listed in the table. The first of these reached the southern coast of Haiti on June 24, causing some loss of life and the grounding of one ship. There were insufficient reports in this case to show definite cyclonic character. On July 18 and 19, and again on July 21 and 22, there were disturbed conditions in the southwestern Gulf and near Puerto Rico, respectively, which were probably cyclonic but of very mild character. On the whole it must be considered an extraordinarily active season for the genesis of tropical disturbance, but one in which conditions were infrequently favorable for full development.

In respect to another feature, also, the season was an unusual one: From an examination of the accompanying track chart it will be seen that there was a remarkable deficiency of tropical storms in the Caribbean Sea. While it appears that several which crossed the Gulf had their origin in the extreme western Caribbean, the causes of nearly all of the season's disturbances lay wholly, or almost entirely, outside the Caribbean.

Of the five hurricanes, two crossed the coast of the United States, and one, the great hurricane of mid-September, passed very near the Middle and North Atlantic coast. Loss of life and damage to property during the season were relatively small, however. Warnings and advices were timely, frequent, and accurate.

SYNOPSIS OF TROPICAL STORMS 1936

(Number of storm in table corresponds with number of track on accompanying chart)

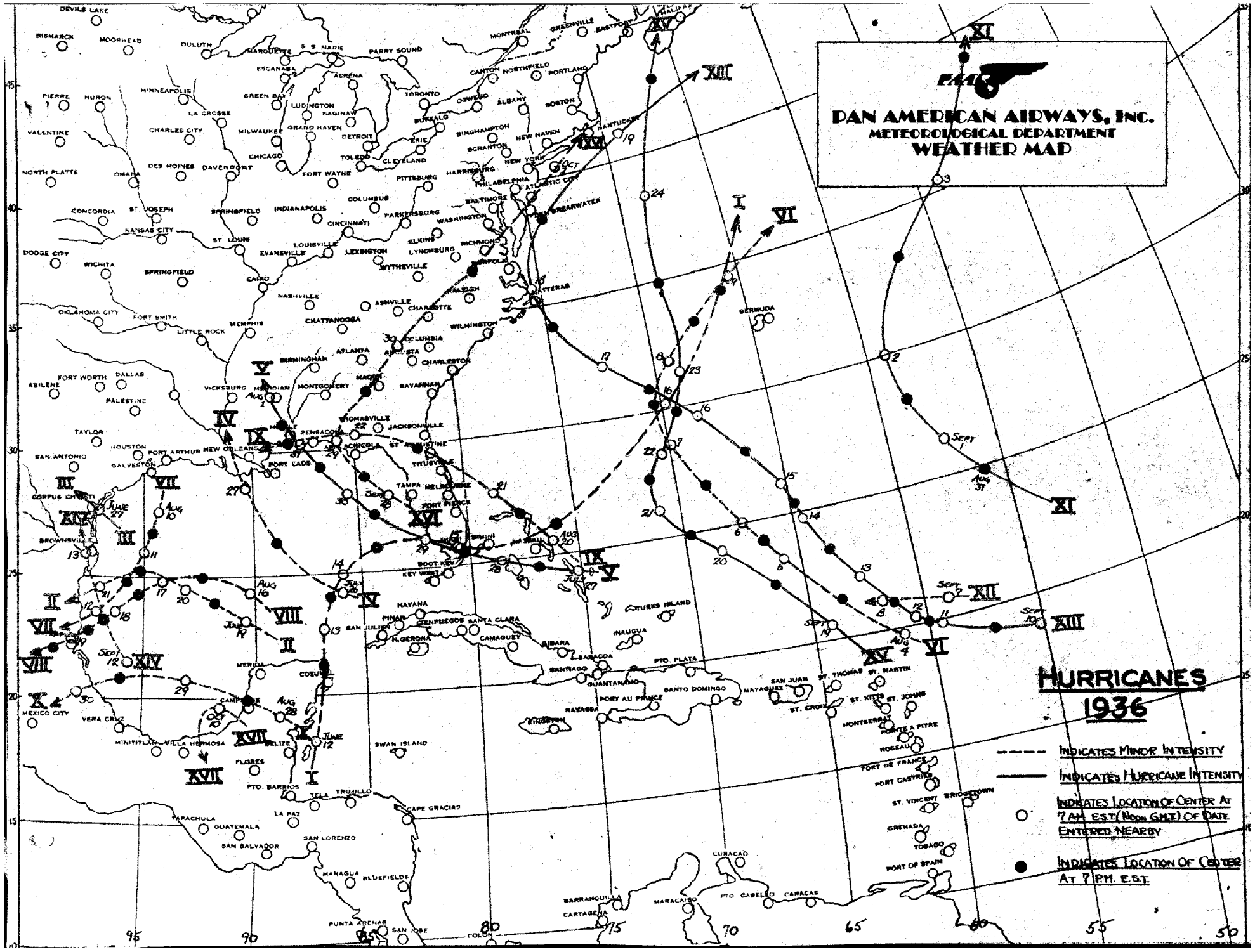
STORM	DATE	MAXIMUM WIND VELOCITY	LOWEST BAROMETER	INTENSITY
I	June 11-17	50 2 Steamships	29.46 S.S. Duquesne	Not of hurricane intensity
II	June 19-21	43 S.S. Cayo Sambi	29.52 S.S. Cayo Sambi	Not of hurricane intensity
III	June 26-27	80+ NNW Port Aransas, Texas	29.16 Ship - Sea Gull	Probably of hurricane intensity
IV	July 26-28	50+ Delta Farms, La.	29.82 Delta Farms, La.	Not of hurricane intensity
V	July 27 - Aug. 1	90-100+ ENE Valparaiso, Fla.	28.75 Valparaiso, Fla.	Hurricane
VI	Aug. 4-9			Minor
VII	Aug. 8-12			Not of hurricane intensity
VIII	Aug. 15-19	50 S.S. Gauto	29.86 S.S. Gauto	Doubtful, but near hurricane intensity
IX	Aug. 20-22	56 SW Titusville, Fla.	29.60 Titusville, Fla.	Not of hurricane intensity
X	Aug. 28-30	70 S.S. Cayo Manbie	29.52 S.S. Cayo Manbie	Doubtful, but near hurricane intensity
XI	Aug. 25 - Sept. 5	Over 75 S.S. East Lashenny	28.32 S.S. Mike	Hurricane
XII	Sept. 7-8			Minor
XIII	Sept. 8-26	80 NW Cape Hatteras	28.49 S.S. Limon	Hurricane
XIV	Sept. 11-13	43 S.S. Nemaha	29.54 Brownsville, Texas	Not of hurricane intensity
XV	Sept. 19-24	Over 75 S.S. Saramacca	28.94 S.S. Saramacca	Hurricane
XVI	Sept. 25-Oct. 1			Minor
XVII	Oct. 9-10			Minor

*Estimated

STRONG WINDS ASSOCIATED WITH HURRICANES 1956

STORM NO.	DATE	STATION	DIRECTION AND VELOCITY	
I	June 14	Miami	ENE	36
V	July 27	Huevitas	W	55
	28	Miami	SE	91
	29	Miami	SE	45
VIII	August 19	Tampico	SW	30
XIV	September 15	Corpus Christi	SE	35
XVI	September 16	Tarpon Springs, Fla.	S	35

Storm numbers refer to attached


PAN AMERICAN AIRWAYS, INC.
METEOROLOGICAL DEPARTMENT
WEATHER MAP
HURRICANES
1936
INDICATES MINOR INTENSITY
INDICATES HURRICANE INTENSITY
INDICATES LOCATION OF CENTER AT 7 A.M. E.S.T. (NOON G.M.T.) OF DATE ENTERED NEARBY
INDICATES LOCATION OF CENTER AT 7 P.M. E.S.T.