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EASTERN DIVISION

ANNUAL

METEOROLOGICAL SUMMARY

1937

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WEATHER BUREAU

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MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION JANUARY-1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
NASSAU	E 11	-	0	0	0	0	0	-
MIAMI	ENE 15	1.64	2	0	0	0	0	10
HAVANA	NE 13	0.43	3	1	0	0	0	2
NUEVITAS	ENE 11	1.96	1	0	0	0	0	12
SANTIAGO	NE 4	1.25	0	0	0	0	0	2
PORT AU PRINCE	E 7	0.48	0	0	0	2	0	2
BARBADOS	E 6	4.32	0	1	0	0	0	15
SAN JUAN	E 16	15.47	1	1	6	0	0	23
ST. JOHNS	E 8	9.01	2	1	10	0	0	22
PORT CASTRIES	NE 13	7.69	6	0	7	0	0	25
PORT OF SPAIN	SE 3	5.07	0	0	1	0	0	16
GEORGETOWN	NE 10	14.33	0	2	13	0	0	17
SAN JULIAN	E 9	1.89	0	2	0	0	0	4
CIENFUEGOS	NE 8	0.01	0	1	0	1	1	1
KINGSTON	E 7	0.99	0	0	0	0	0	7
B. ARRANQUILLA	NE 13	0	1	0	0	0	0	0
MARACAIBO	N 6	0	0	0	0	0	0	0
LA GUAIRA	E 6	0.80	0	0	11	0	0	2
CUENTA	ENE 4	0.32	0	0	2	0	0	4
CARIPITO	E 4	8.61	0	0	15	0	0	25
BELIZE	E 8	3.00	0	0	0	0	0	5

STRONG WINDS - 30 MPH OR MORE

Miami Jan. 7 ENE 32
Port Castries " 13 ENE 32
Port Castries " 22 NE 30

DENSE FOGS

Cienfuegos Jan. 26 0700-0800
(on the sea)

Page 1.

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION FEBRUARY 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
NASSAU	E 9	-	0	0	2	0	0	-
MIAMI	ESE 15	3.76	2	1	4	0	0	7
HAVANA	SE 14	3.53	4	2	7	2	0	9
MORVITAS	ENE 10	2.80	0	0	4	0	0	3
SANTIAGO	NE 2	0.25	0	0	0	0	0	1
PORT AU PRINCE	E 5	0.87	0	0	0	1	0	4
LACONIS	SE 7	0.33	0	0	0	0	0	4
SAN JUAN	NE 12	1.33	0	0	1	0	0	11
ST. JOHNS	E 5	3.38	0	0	7	0	0	10
PORT CASTRIES	ENE 9	3.02	0	0	5	0	0	13
T OF SPAIN	SE 4	0.88	0	1	3	0	0	9
GEORGETOWN	NE 12	0.70	0	2	13	0	1	9
SAN JULIAN	E 8	2.04	0	4	2	1	0	4
CIENFUEGOS	S 8	3.75	0	0	0	7	0	7
KINGSTON	SE 7	0.39	0	0	0	0	0	3
BARRANQUILLA	ENE 11	0	0	0	0	0	0	0
MARACAIBO	ENE 7	0	0	0	0	0	0	0
LA GUAIRA	NE 6	1.80	0	1	7	0	0	2
CUMANA	ENE 4	0	0	0	0	0	0	0
CARIPITO	E 4	2.80	0	0	3	0	0	3
BELIZE	ENE 7	0.75	0	1	1	1	0	3

STRONG WINDS - 50 MPH OR MORE

Miami Feb. 12 NE 52

DENSE FOGS

Georgetown Feb. 27 0830-0930*

*90th Meridian Time.

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

STERN DIVISION STATION ARCH 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
NASSAU	SE 9	0	0	0	2	0	0	0
MIAMI	NE 13	10.81	3	6	7	0	1	12
HAVANA	N 13	3.48	3	4	6	5	1	8
NUEVITAS	NE 11	3.72	0	0	4	0	0	2
SANTIAGO	NE 2	0.40	0	0	1	0	0	2
PORT AU PRINCE	E 6	5.19	0	0	0	0	0	7
MACORIS	SE 8	0.03	0	0	0	0	0	1
SAN JUAN	ENE 14	0.33	0	0	0	0	0	8
ST. JOHNS	E 7	0.71	0	0	0	0	0	9
PORT CASTRIES	ENE 12	1.87	1	0	6	0	0	17
PT OF SPAIN	SE 6	0.22	0	0	6	0	0	5
GEORGETOWN	NE 11	1.49	0	1	21	0	0	15
SAN JULIAN	E 8	2.47	0	2	4	2	0	2
CIENFUEGOS	S 8	5.85	0	0	3	6	2	6
KINGSTON	ESE 7	0.30	0	0	0	0	0	2
BARRANQUILLA	ENE 12	0	3	0	0	0	0	0
MARACAIBO	NNE 6	0	0	0	0	0	0	0
LA GUAIRA	NE 7	0	0	0	6	0	0	0
GUANTA	ENE 5	0	0	0	0	0	0	0
CARUPITO	E 5	0.24	0	0	9	0	0	3
BELIZE	NNE 10	3.09	0	0	0	0	0	7

STRONG WINDS 25 MPH OR MORE

Miami	March 30	NNE 36
Havana	March 30	S 35
Bqlla.	March 30	ENE 30

* * * *

DENSE FOG 1000 FEET OR LESS

Miami	Mar. 21	0800-0900
Havana	Mar. 25	0800-0900
Glen'gas	Mar. 17	0700-1100
Glen'gas	Mar. 20	0800-1100

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

[illegible] DIVISION STATION [illegible]RIL 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
NASSAU	SE 9	0	0	0	0	0	0	0
MIAMI	ENE 14	1.37	3	0	0	0	0	6
HAVANA	SE 15	1.17	4	3	6	4	0	7
MANZANILLO	ENE 11	0	0	0	2	0	0	0
SANTIAGO	NE 3	0.25	0	0	0	0	0	1
PORT AU PRINCE	E 8	2.66	0	0	0	3	0	13
LA CORIS	SE 7	2.99	0	1	2	0	0	5
SAN JUAN	ENE 14	1.34	0	0	1	0	0	13
ST. JOHNS	E 7	5.78	1	0	2	0	1	12
PORT CASTRIES	ENE 12	1.42	1	0	1	0	0	15
PORT OF SPAIN	SE 10	3.15	0	2	9	0	0	9
GEORGETOWN	NE 12	5.33	0	4	20	0	0	12
SAN JULIAN	E 10	0.18	0	0	1	3	0	5
CIENFUEGOS	S 9	2.56	0	0	0	3	0	3
KINGSTON	ESE 8	0.89	0	0	0	0	0	2
BARRANQUILLA	ENE 12	0.08	1	0	0	2	0	1
MARACAIBO	NNE 7	0	0	0	2	1	0	0
LA GUAIRA	E 6	0	0	0	6	0	0	0
CUENTA	ENE 5	0	0	0	0	0	0	0
CARIPITO	E 4	1.34	0	0	1	0	0	7
BELIZE	E 10	5.48	0	0	4	0	0	8
[illegible]AGUEY	E 4	4.10	0	3	1	0	0	3
MANAGUA	E 6	14.75	1	1	1	0	0	6

STRONG WINDS 25 MPH OR MORE
Havana April 15 E 32
DENSE FOG 1000 FEET OR LESS
None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

TERN DIVISION STATION MAY 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	ENE 13	2.72	1	0	0	0	0	7
HAVANA	NE 14	1.86	4	2	4	10	0	5
NUEVITAS	NE 9	10.70	2	2	4	0	0	6
SANTIAGO	NE 2	7.76	0	0	2	16	0	9
PORT AU PRINCE	E 5	17.21	0	0	1	7	0	19
MACORIS	SE 6	16.18	0	1	2	0	0	6
SAN JUAN	SE 14	1.50	0	0	0	0	0	10
ST. JOHNS	E 8	1.72	0	0	0	0	0	8
PORT CASTRIES	E 11	0.64	0	0	7	0	0	9
PORT OF SPAIN	SE 6	0.35	0	0	0	0	0	4
GEORGETOWN	NE 11	12.16	0	3	19	0	0	26
SAN JULIAN	E 7	11.24	0	1	1	5	0	9
CIENFUEGOS	NE 6	11.34	0	0	0	19	0	19
KINGSTON	ESE 9	4.40	0	1	4	2	0	10
MARANQUILLA	ENE 8	4.16	0	0	0	11	0	10
MARACAIBO	ESE 5	0.11	0	0	2	1	0	3
LA GUAIRA	NE 6	0.50	0	0	5	0	0	1
CUMANA	N 3	1.00	0	0	0	0	0	2
CARIPITO	E 4	5.39	0	0	9	0	0	18
BELIZE	E 8	1.77	0	0	2	0	0	9
CARAGUEY	E 3	6.15	0	9	9	0	0	9
BARACOA	ENE 2	22.21	0	0	0	0	0	18

STRONG WINDS 30 MPH OR MORE
None

DENSE FOG 1000 FEET OR LESS
None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

STREN DIVISION STATION JUNE 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	SSE 12	4.07	2	0	2	0	0	12
HAVANA	E 10	11.58	1	2	2	11	0	12
NUEVITAS	ENE 10	3.96	0	1	3	0	0	3
SANTIAGO	NE 2	0.40	0	0	0	0	0	1
PORT AU PRINCE	E 6	1.71	0	0	0	5	0	4
MACORIS	SE 7	4.66	1	3	4	4	0	10
SAN JUAN	ENE 15	3.83	0	0	1	0	0	15
ST. JOHNS	E 9	1.33	0	1	0	1	0	7
PORT CASTRIES	E 11	4.51	0	0	8	0	0	21
PORT OF SPAIN	SE 6	3.75	0	2	11	0	0	10
GEORGETOWN	ENE 8	16.99	0	5	15	2	0	20
SAN JULIAN	E 8	3.52	1	1	2	8	0	8
CIENFUEGOS	S 7	12.33	2	2	4	27	0	27
KINGSTON	E 11	4.39	0	0	0	0	0	3
BARRANQUILLA	ENE 8	4.47	0	0	0	9	0	9
MARACAIBO	N 6	0.40	0	0	2	2	0	1
LA GUAIRA	NE 4	0.30	0	0	4	0	0	3
CUANTA	N 2	0.45	0	0	2	0	0	5
CARIPITO	E 4	8.18	0	0	7	0	0	28
BELIZE	E 8	9.53	0	0	5	1	0	13
CAMAGUEY	E 8	7.70	0	0	4	8	0	7
BARACOA	E 3	3.17	0	0	0	0	0	10

STRONG WINDS 30 MPH OR MORE
Chan'gas Mass NY SSE SE
DENSE FOG 1000 FEET OR MORE
None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

STATION	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	ESE 12	10.34	1	1	2	0	0	11
HAVANA	N 10	4.54	3	1	2	6	0	11
ANTILLA	E 9	1.03	0	0	3	0	0	2
SANTIAGO	NE 3	2.45	0	0	0	18	0	5
PORT AU PRINCE	E 6	0.59	1	0	0	5	0	4
MACORIS	NE 8	4.56	0	0	0	2	0	12
SAN JUAN	ENE 15	5.76	0	0	2	0	0	16
ST. JOHNS	E 8	5.10	0	0	0	1	0	15
PORT CASTRIES	E 9	2.93	0	0	7	0	0	14
PORT OF SPAIN	SE 6	7.87	0	3	7	0	0	17
GEORGETOWN	NE 6	14.90	0	6	20	1	0	20
SAN JULIAN	E 8	1.43	0	0	0	2	0	2
CIENFUEGOS	NE 7	2.47	4	1	3	14	0	10
KINGSTON	ESE 11	0.09	0	0	0	0	0	1
BUENAVENTURA	NE 10	1.33	0	0	0	3	0	3
MARACAIBO	N 8	0	0	0	0	0	0	0
LA GUAIRA	NE 4	0.10	0	0	3	0	0	2
GUANTA	N 2	5.30	0	0	0	0	0	5
CARIPITO	E 2	11.24	0	4	6	0	0	20
BELIZE	E 10	8.07	1	0	0	0	0	12
CAMAGUEY	E 5	0.60	0	1	1	5	0	1
[illegible]OCA	E 6	3.03	0	0	1	0	0	8

STRONG WINDS 25 MPH OR MORE

Miami	July 1	SSE 30
Havana	" 4	NE 30
Puerto Cabello	" 4	SW 30

DENSE FOG 1000 FEET OR LESS

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION AUGUST 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	ENE 11	9.41	1	1	1	3	0	12
NASSAU	S 10	0	0	0	4	3	0	0
HAVANA	E 10	2.79	4	3	3	10	0	6
ANTILLA	E 9	1.77	0	0	8	0	0	3
SANTIAGO	NE 4	3.98	0	0	0	13	0	4
PORT AU PRINCE	E 7	7.15	1	0	0	11	0	10
MACORIS	SE 6	6.97	2	3	3	2	0	14
SAN JUAN	ENE 13	6.08	0	1	1	1	0	24
ST. JOHNS	E 6	6.60	0	1	2	0	0	15
PORT CASTRIES	E 8	5.86	0	0	3	0	0	20
PORT OF SPAIN	SE 4	7.12	0	1	5	0	0	10
GEORGETOWN	NE 7	7.06	0	4	13	3	0	14
BARBADOS	SE 6	1.03	0	0	1	2	0	7
CIENFUEGOS	NE 7	19.52	0	0	0	23	1	23
SAN JULIAN	E 6	4.80	0	0	2	10	0	8
KINGSTON	ESE 9	4.80	0	0	0	0	0	6
BARRANQUILLA	NE 11	0.18	0	0	0	7	0	2
MARACAIBO	SE 7	0	0	0	2	0	0	0
LA GUAIRA	NE 5	0.50	0	0	2	0	0	1
GUANTA	E 6	3.21	0	0	0	0	0	3
CARIPITO	E 2	11.88	0	1	1	0	0	25
BELIZE	E 7	6.41	0	3	2	0	0	17
CAMAGUEY	E 5	4.10	0	0	1	5	0	2
BACOA	E 5	4.65	0	0	1	0	0	12

[redacted]

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

TERR DIVISION STATION SEPTEMBER 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	ESE 11	10.72	2	2	3	0	0	16
NASSAU	NE 8	5.06	2	0	3	2	0	8
HAVANA	NE 13	2.38	3	0	1	11	0	11
ANTILLA	E 7	4.67	0	0	5	0	2	3
SANTIAGO	NE 2	0	0	0	0	12	0	0
PORT AU PRINCE	W 5	13.55	0	0	0	16	0	19
MACORIS	NE 6	2.80	0	0	0	2	0	12
SAN JUAN	ENE 10	2.73	0	0	0	0	0	13
ST. JOHNS	NE 5	5.02	0	0	0	1	0	16
PORT CASTRIES	E 5	5.04	1	0	1	1	0	14
PORT OF SPAIN	N 5	2.92	0	1	2	1	0	4
GEORGETOWN	E 9	5.80	0	1	6	0	0	7
PARAMARIBO	SE 8	1.86	1	1	1	2	1	8
SAN JULIAN	E 6	4.80	0	0	0	9	0	7
CIENFUEGOS	SW 5	6.39	0	0	0	16	0	16
KINGSTON	ESE 7	0.06	0	0	0	0	0	2
BARRANQUILLA	ENE 8	4.47	0	0	0	17	2	14
MARACAIBO	N 5	0	0	0	1	0	0	0
LA GUAIRA	NE 5	0.35	0	0	1	0	0	3
GUAIRA	N 5	2.20	0	0	0	0	0	2
CARIPITO	E 2	3.24	0	0	7	1	0	15
BELIZE	E 6	8.90	0	0	2	0	0	15
CAMAGUEY	E 3	7.35	0	4	4	0	4	3
BARACOA	NE 3	3.50	0	1	2	0	0	8

STRONG WINDS 30 MPH OR MORE

Miami	Sept. 24	NE 30	Cienfuegos	Sept. 8	NE 35	Barranquilla	Sept. 4	1030-1105
Nassau	Sept. 24	E 30	Paramaribo	Sept. 4	SW 30	Barranquilla	Sept.17	1030-1130
Nassau	Sept. 25	NE 30	DENSE FOG 1000 FEET OR LESS			Camaguey	Sept. 5	1130-1230
Nassau	Sept. 26	NE 28	Antilla	Sept. 9	1005-1045	Camaguey	Sept. 9	1130-1215
Havana	Sept. 29	ENE 35	Antilla	Sept.16	1030-1045	Camaguey	Sept.10	1130-1215
			Paramaribo	Sept.20	1215-1230	Camaguey	Sept.24	1045-1230

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

STERN DIVISION STATION TOBER 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	NE	12	4.65	0	0	1	0	0	14
NASSAU	E	9	2.26	0	0	0	1	0	8
HAVANA	NE	12	1.83	1	0	1	6	0	9
ANTILLA	E	6	5.63	0	0	7	0	0	5
SANTIAGO	NE	3	11.75	0	0	2	1	0	5
PORT AU PRINCE	W	5	3.94	1	0	0	7	0	13
MACORIS	SE	6	3.43	0	0	0	1	0	12
SAN JUAN	ENE	12	5.98	0	0	0	0	0	17
ST. JOHNS	E	5	5.42	0	0	0	1	0	16
PORT CASTRIES	ENE	5	5.17	0	0	3	2	0	11
PORT OF SPAIN	N	6	5.95	0	2	2	2	0	6
GEORGETOWN	E	8	2.99	0	2	7	3	0	4
PARAMARIBO	SE	8	2.29	0	1	1	3	1	6
SAN JULIAN	ENE	6	10.06	0	0	1	4	0	8
CIENFUEGOS	NE	6	5.43	1	2	2	6	0	6
KINGSTON	ESE	8	6.25	0	0	3	0	0	8
BARRANQUILLA	S	8	4.84	0	0	0	12	0	12
MARACAIBO	NE	5	0	0	0	3	0	0	0
LA GUAIRA	NE	3	0	0	0	0	0	0	0
GUANTA	N	4	0	0	0	0	0	0	0
CARIPITO	E	3	1.52	0	2	2	1	0	6
BELIZE	E	7	6.29	0	0	2	0	0	16
CAMAGUEY	E	6	7.96	0	2	7	0	2	8
BACOA	E	3	10.58	0	2	3	0	0	17

STRONG WINDS 50 MPH OR MORE

None

DENSE FOG 1000 FEET OR LESS

Paramaribo October 1. 0800-1100
Camaguey October 9. 0800-0715
Camaguey October 10. 0800-0720

Form 96

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION NOVEMBER 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	NNE	15	0.16	5	1	6	0	1	3
NASSAU	NE	12	3.67	4	0	6	1	0	4
HAVANA	NE	13	2.05	6	0	4	6	0	14
ANTILLA	E	6	23.54	0	7	10	0	0	13
SANTIAGO	N	4	3.52	0	3	7	1	0	2
PORT AU PRINCE	E	5	14.16	0	0	0	4	0	10
MACORIS	S	6	4.51	0	0	0	0	0	11
SAN JUAN	E	11	8.80	0	0	2	0	0	20
ST. JOHNS	E	7	8.43	0	1	2	2	0	15
PORT OF SPAIN	E	4	10.58	0	4	5	0	0	8
GEORGETOWN	E	9	2.47	0	1	5	1	0	5
PARAMARIBO	SE	7	2.88	0	2	2	2	2	10
SAN JULIAN	ENE	7	0	0	3	2	0	0	0
CIENFUEGOS	NE	8	2.08	1	1	1	9	2	9
KINGSTON	ESE	8	8.29	1	0	1	0	0	10
BARRANQUILLA	SW	8	7.31	0	0	0	19	0	21
MARACAIBO	NE	3	0	0	0	0	0	0	0
LA GUAIRA	NE	3	0.80	0	0	0	0	0	3
GUANTA	N	3	0.20	0	0	0	0	0	1
CARIPITO	E	4	2.78	0	2	6	1	1	12
BELIZE	WNW	6	1.95	0	0	3	0	0	1
CAMAGUEY	N	7	7.43	2	5	10	0	0	5
BANACOA	N	4	19.37	1	4	15	0	0	20

STRONG WINDS 30 MPH OR MORE		
Miami	Nov. 3	NNE 30
Miami	Nov. 24	NNE 30
Miami	Nov. 25	NNE 30
Nassau	Nov. 2	NE 30
Nassau	Nov. 3	E 30
Camagney	Nov. 23	N 32

DENSE FOG 1000 FEET OR LESS		
Miami	Nov. 30	1100-1200
Pinar.	Nov. 15	0900-1100
Pinar.	Nov. 20	1000-1100
Cien'gos	Nov. 22	1200-1300
Cienegos	Nov. 29	1300-1400
Caripito	Nov. 4	0900-1000

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

WESTERN DIVISION STATION DECEMBER 1957	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	NNE 12	0.52	0	2	3	0	1	5
NASSAU	E 9	0.11	0	0	3	0	0	1
HAVANA	E 3	1.79	0	1	4	1	0	6
ANTILLA	ENE 7	0.77	0	0	7	0	1	3
SANTIAGO	N 5	0	0	0	3	0	0	0
PORT AU PRINCE	E 7	1.43	0	0	1	0	0	9
MACORIS	NE 4	3.84	0	0	0	1	0	7
SAN JUAN	ENE 13	2.95	0	0	1	0	0	19
ST. JOHNS	E 9	2.56	0	0	1	0	0	16
FORT DE FRANCE	NE 4	0	0	0	0	0	0	0
PORT OF SPAIN	N 4	9.72	0	5	3	1	0	9
GEORGETOWN	E 8	11.01	0	4	12	0	0	13
PARAMARIBO	SE 8	8.36	0	4	5	0	2	17
SAN JULIAN	ENE 9	1.36	0	2	1	0	0	2
CIENFUEGOS	NE 7	0	0	0	0	0	1	0
KINGSTON	SE 6	0	0	0	1	0	0	0
BARRANQUILLA	NE 10	2.06	0	0	0	6	0	8
MARACAIBO	NE 4	0.13	0	0	1	0	0	2
LA GUAIRA	NE 4	0	0	0	2	0	0	0
GUANTA	N 6	0	0	0	0	0	0	0
CARIPITO	NE 5	2.24	0	0	4	0	0	16
BELIZE	WNW 9	3.69	0	0	3	0	0	5
GUANAGUSY	NE 5	0	2	1	2	0	0	0
BARACOA	E 8	6.95	2	2	5	0	0	12

STRONG WINDS 30 MPH OR MORE

Guantanamo Dec. 14 NE 30

DENSE FOG 1000 FEET OR LESS

Miami Dec. 10 1300-1500

Antilla Dec. 7 1130-1330
Paramaribo " 1 0920-1145
Paramaribo " 24 1000-1100
Cienfuegos " 18 1230-1440

YEARLY

SUMMARY OF WEATHER OBSERVATIONS

STERN DIVISION STATION ARLY 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
MIAMI	ENE	13	59.96	22	14	29	3	3	115
NASSAU*	E	10	11.10	6	0	18	7	0	21
*(May,June,July not included)									
HAVANA	NE	12	37.40	36	19	40	72	1	102
NUEVITAS*	ENE	10	23.16	3	3	17	0	0	26
*(Jan.June,inclusive)									
ANTILLA*	E	7	38.01	0	7	36	0	3	29
*(Jul,Dec. inclusive)									
SANTIAGO	NE	3	32.01	0	3	15	89	0	32
PORT AU PRINCE	E	6	68.94	3	0	2	61	0	114
MACORIS	SE	6	80.58	3	9	11	11	0	102
SAN JUAN	ENE	13	56.50	1	2	15	1	0	192
ST. JOHNS	E	7	53.03	3	4	24	6	1	161
PORT CASTRIES*	E	10	37.95	9	0	48	3	0	155
*(J Oct.,inclusive)									
FORT DE FRANCE*	NE	4	0	0	0	0	0	0	0
*(December)									
PORT OF SPAIN	SE	6	57.38	0	19	54	4	0	107
GEORGETOWN	NE	9	95.25	0	35	186	10	1	162
PARAMARIBO*	SE	7	16.42	1	8	10	9	6	48
*(Aug.Dec.,inclusive)									
SAN JUAN	E	8	48.79	1	15	16	44	0	80
CIENFUEGOS	NE	7	71.71	8	7	13	151	7	127
KINGSTON	ESE	8	30.85	1	1	9	2	0	84
BARRANQUILLA	ENE	10	29.30	5	0	0	88	2	80
MARACAIBO	ENE	6	0.64	0	9	13	4	0	6
LA GUAIRA	NE	5	4.65	0	1	47	0	0	17
CUANTA	N	4	10.77	0	0	5	0	0	22
CARIPITO	E	4	59.96	0	9	68	3	1	187
LIZE	E	8	60.91	1	4	24	2	0	111
CAMAGUEY*	E	4	45.38	4	25	39	18	6	38
*(Apr.Dec.,inclusive)									
BARACOA*	E	5	96.94	4	10	26	0	0	111
*(Apr.Dec.,inclusive)									

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

MIAMI STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	ENE 15	1.64	2	0	0	0	0	10
FEBRUARY	ESE 15	3.75	2	1	4	0	0	7
MARCH	NE 13	10.81	3	6	7	0	1	12
APRIL	ENE 14	1.37	3	0	0	0	0	6
MAY	ENE 13	2.72	1	0	0	0	0	7
JUNE	ESE 12	4.07	2	0	2	0	0	12
JULY	ESE 12	10.34	1	1	2	0	0	11
AUGUST	ENE 11	9.41	1	1	1	3	0	12
SEPTEMBER	ESE 11	10.72	2	2	3	0	0	16
OCTOBER	NE 12	4.65	0	0	1	0	0	14
NOVEMBER	NNE 15	0.16	5	1	6	0	1	3
DECEMBER	NNE 12	0.32	0	2	3	0	1	5

STRONG WINDS - 30 MPH OR MORE

Jan. 7 ENE 32
Feb. 12 NE 32
Mar. 30 ESE 34
Jul. 1 SSE 30
Sep. 24 NE 30
Nov. 3 ENE 30
" 24 ENE 30
" 25 ENE 30

DENSE FOGS - 1000 FEET OR LESS

Mar. 21 0530-0700
Nov. 30 1100-1230
Dec. 10 1100-1630

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

NASSAU STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E 11	0	0	0	0	0	0	0
FEBRUARY	E 9	0	0	0	0	0	0	0
MARCH	SE 9	0	0	0	2	0	0	0
APRIL	SE 9	0	0	0	0	0	0	0
MAY								
JUNE								
JULY								
AUGUST	E 10	0	0	0	4	3	0	0
SEPTEMBER	NE 8	5.06	2	0	3	2	0	8
OCTOBER	E 9	2.28	0	0	0	1	0	8
NOVEMBER	NE 12	3.57	4	0	6	1	0	4
DECEMBER	E 9	0.11	0	0	3	0	0	1

STRONG WINDS - 30 MPH OR MORE

Sept. 24 E 30
Sept. 25 NE 30
Nov. 2 NE 30

DENSE FOG 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

HAVANA STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 15	0.43	3	1	0	0	0	2
FEBRUARY	SE 14	3.53	4	2	7	2	0	9
MARCH	E 13	3.48	3	4	6	5	1	8
APRIL	SE 15	1.17	4	3	6	4	0	7
MAY	NE 14	1.86	4	2	4	10	0	5
JUNE	E 10	11.57	1	2	2	11	0	12
JULY	E 10	4.54	3	1	2	6	0	11
AUGUST	E 10	2.79	4	3	3	10	0	8
SEPTEMBER	NE 13	2.36	3	0	1	11	0	11
OCTOBER	NE 12	1.63	1	0	1	6	0	9
NOVEMBER	NE 13	2.03	6	0	4	6	0	14
DECEMBER	E 13	1.79	0	1	4	1	0	6

STRONG WINDS - 30 MPH OR MORE

Mar. 30 S 38
Apr. 13 E 32
Jul. 4 NE 30
Aug. 3 S 31
Sep. 24 NE 36
Sep. 29 ENE 33
Nov. 2 E 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

March 25 0600-0930

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

BUENTIAS STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	ENE 11	1.98	1	0	0	0	0	12
FEBRUARY	ENE 10	2.00	0	0	4	0	0	3
MARCH	NE 11	3.72	0	0	4	0	0	2
APRIL	ENE 11	0	0	0	2	0	0	0
MAY	NE 9	10.70	2	2	4	0	0	6
JUNE	ENE 10	3.96	0	1	3	0	0	3
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER								

23 16

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

ANTILLA STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY								
FEBRUARY								
MARCH								
APRIL								
MAY								
JUNE								
JULY	E 9	1.63	0	0	3	0	0	2
AUGUST	E 9	1.77	0	0	8	0	0	3
SEPTEMBER	E 7	4.67	0	0	5	0	2	3
OCTOBER	E 6	5.63	0	0	3	0	0	5
NOVEMBER	E 6	23.54	0	7	10	0	0	13
DECEMBER	ENE 7	0.77	0	0	7	0	1	3

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Sept. 9 1200-1215
Sept. 14 1200-1345
Dec. 7 1130-1330

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SANTIAGO STATION 1957	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	NE	4	1.25	0	0	0	0	0	2
FEBRUARY	NE	2	0.25	0	0	0	0	0	1
MARCH	NE	2	0.40	0	0	1	0	0	2
APRIL	NE	3	0.25	0	0	0	0	0	1
MAY	NE	2	7.76	0	0	2	16	0	9
JUNE	NE	2	0.40	0	0	0	0	0	1
JULY	NE	3	2.45	0	0	0	16	0	5
AUGUST	NE	4	3.98	0	0	0	15	0	4
SEPTEMBER	NE	2	0	0	0	0	12	0	0
OCTOBER	NE	3	11.75	0	0	2	1	0	5
NOVEMBER	N	4	3.52	0	3	7	1	0	2
DECEMBER	N	5	0	0	0	3	0	0	0

STRONG WINDS - 50 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PORT AU PRINCE STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	7	0.48	0	0	0	2	0	2
FEBRUARY	E	5	0.87	0	0	0	1	0	4
MARCH	E	6	5.19	0	0	0	0	0	7
APRIL	E	8	2.56	0	0	0	3	0	13
MAY	E	5	17.21	0	0	1	7	0	19
JUNE	E	6	1.71	0	0	0	5	0	4
JULY	E	6	0.59	1	0	0	5	0	4
AUGUST	E	7	7.15	1	0	0	11	0	10
SEPTEMBER	W	5	13.55	0	0	0	16	0	19
OCTOBER	W	5	3.94	1	0	0	7	0	13
NOVEMBER	E	8	14.16	0	0	0	4	0	10
DECEMBER	E	7	1.43	0	0	1	0	0	9

STRONG WINDS - 30 MPH OR MORE

July. 4 SW 30
Aug. 30 E 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SAN PEDRO DE MACORIS STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	6	4.32	0	1	0	0	0	15
FEBRUARY	SE	7	0.33	0	0	0	0	0	4
MARCH	SE	8	0.03	0	0	0	0	0	1
APRIL	SE	7	2.90	0	1	2	0	0	5
MAY	SE	6	16.16	0	1	2	0	0	6
JUNE	SE	7	4.66	1	3	4	4	0	10
JULY	SE	8	4.56	0	0	0	2	0	12
AUGUST	SE	6	6.97	2	3	3	2	0	14
SEPTEMBER	NE	6	2.60	0	0	0	2	0	13
OCTOBER	SE	6	3.43	0	0	0	1	0	12
NOVEMBER	S	6	4.51	0	0	0	0	0	11
DECEMBER	NE	4	~~3.84~~ 5.42	0	0	0	1	0	~~7~~ 10

STRONG WINDS - 30 MPH OR MORE
Aug. 9 SE 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY
None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SAN JUAN STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E 16	15.47	1	1	6	0	0	28
FEBRUARY	NE 12	1.33	0	0	1	0	0	11
MARCH	ENE 14	0.93	0	0	0	0	0	8
APRIL	ENE 14	1.34	0	0	1	0	0	13
MAY	SE 14	1.50	0	0	0	0	0	10
JUNE	ENE 15	3.83	0	0	1	0	0	13
JULY	ENE 15	5.76	0	0	2	0	0	16
AUGUST	ENE 13	6.08	0	1	1	1	0	24
SEPTEMBER	ENE 10	2.73	0	0	0	0	0	13
OCTOBER	ENE 12	5.96	0	0	0	0	0	17
NOVEMBER	E 11	8.60	0	0	2	0	0	20
DECEMBER	ENE 13	2.96	0	0	1	0	0	19

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

ST. JOHNS STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	8	9.01	2	1	10	0	0	22
FEBRUARY	E	5	3.38	0	0	7	0	0	10
MARCH	E	7	0.71	0	0	0	0	0	9
APRIL	E	7	3.76	1	0	2	0	1	12
MAY	E	6	1.72	0	0	0	0	0	8
JUNE	E	9	1.33	0	1	0	1	0	7
JULY	E	8	5.10	0	0	0	1	0	15
AUGUST	E	6	6.80	0	1	2	0	0	15
SEPTEMBER	NE	5	5.02	0	0	0	1	0	16
OCTOBER	E	5	3.42	0	0	0	1	0	16
NOVEMBER	E	7	6.43	0	1	2	2	0	15
DECEMBER	E	9	2.65	0	0	1	0	0	16

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PORT CASTRIES* STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 13	7.89	6	0	7	0	0	23
FEBRUARY	ENE 9	3.02	0	0	5	0	0	13
MARCH	ENE 12	1.87	1	0	6	0	0	17
APRIL	ENE 12	1.42	1	0	1	0	0	13
MAY	E 11	0.64	0	0	7	0	0	9
JUNE	E 11	4.51	0	0	8	0	0	21
JULY	E 9	2.93	0	0	7	0	0	14
AUGUST	E 8	5.66	0	0	3	0	0	20
SEPTEMBER	E 5	5.04	1	0	1	1	0	14
OCTOBER	ENE 5	5.17	0	0	3	2	0	11
NOVEMBER								
DECEMBER								

STRONG WINDS - 30 MPH OR MORE

Jan. 15 NNE 32
Jan. 22 NE 30
Sep. 8 NE 35

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

* Station discontinued in November, 1937.

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PORT DE FRANCE STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY								
FEBRUARY								
MARCH								
APRIL								
MAY								
JUNE								
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER	NE 4	0	0	0	0	0	0	0

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

Station opened December, 1937.

075581

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PORT OF SPAIN STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	SE	3	5.07	0	0	1	0	0	16
FEBRUARY	SE	4	0.88	0	1	3	0	0	9
MARCH	SE	6	0.22	0	0	6	0	0	5
APRIL	SE	10	3.15	0	2	9	0	0	9
MAY	SE	8	0.15	0	0	0	0	0	4
JUNE	SE	6	3.75	0	2	11	0	0	10
JULY	SE	6	7.87	0	3	7	0	0	17
AUGUST	SE	4	7.12	0	1	6	0	0	10
SEPTEMBER	N	5	2.92	0	1	2	1	0	4
OCTOBER	N	6	5.95	0	2	2	2	0	6
NOVEMBER	E	4	10.58	0	4	5	0	0	8
DECEMBER	N	4	9.72	0	3	3	1	0	9

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

GEORGETOWN STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 10	14.33	0	2	13	0	0	17
FEBRUARY	NE 12	0.70	0	2	13	0	1	9
MARCH	NE 11	1.49	0	1	21	0	0	15
APRIL	NE 12	5.33	0	4	20	0	0	12
MAY	NE 11	12.16	0	3	19	0	0	26
JUNE	ENE 8	16.99	0	5	15	2	0	20
JULY	NE 6	14.90	0	6	20	1	0	20
AUGUST	NE 7	7.06	0	4	13	3	0	14
SEPTEMBER	E 9	5.80	0	1	8	0	0	7
OCTOBER	E 6	2.99	0	2	7	3	0	4
NOVEMBER	E 9	2.47	0	1	5	1	0	5
DECEMBER	E 8	11.01	0	4	12	0	0	13
		9523						167

STRONG WINDS - 30 M.P.H. OR MORE

None

DENSE FOGS- 1000 FEET OR LESS VISIBILITY

Feb. 27 0830-0830

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PARAMARIBO STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY								
FEBRUARY								
MARCH								
APRIL								
MAY								
JUNE								
JULY								
AUGUST	SE 6	1.03	0	0	1	2	0	7
SEPTEMBER	SE 6	1.86	1	1	1	2	1	8
OCTOBER	SE 6	2.29	0	1	1	3	1	6
NOVEMBER	SE 7	2.88	0	2	2	2	2	10
DECEMBER	SE 8	8.36	0	4	5	0	2	17

STRONG WINDS - 30 MPH OR MORE

Sept. 4. SW 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Sep. 20 1215-1830
Oct. 8 0945-1100
Nov. 15 0930-1100
Nov. 20 1000-1130
Dec. 1 0920-1145
Dec. 24 1000-1100

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SAN JULIAN STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	9	1.59	0	2	0	0	0	4
FEBRUARY	E	8	2.04	0	4	2	1	0	4
MARCH	E	8	2.47	0	2	4	2	0	2
APRIL	E	10	0.18	0	0	1	3	0	5
MAY	E	7	11.24	0	1	1	5	0	9
JUNE	E	8	8.52	1	1	2	8	0	8
JULY	E	8	1.43	0	0	0	2	0	2
AUGUST	E	6	4.80	0	0	2	10	0	8
SEPTEMBER	E	6	4.80	0	0	0	9	0	7
OCTOBER	ENE	6	10.06	0	0	1	4	0	8
NOVEMBER	ENE	7	0	0	3	2	0	0	0
DECEMBER	ENE	9	1.36	0	2	1	0	0	2

4849

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CIENFUEGOS STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	NE	8	0.01	0	1	0	1	1	1
FEBRUARY	S	8	3.73	0	0	0	7	0	7
MARCH	S	8	5.85	0	0	3	6	2	6
APRIL	S	9	2.56	0	0	0	3	0	3
MAY	NE	6	11.34	0	0	0	19	0	19
JUNE	S	7	12.33	2	2	4	27	0	27
JULY	NE	7	2.47	4	1	3	14	0	10
AUGUST	NE	7	19.52	0	0	0	23	0	23
SEPTEMBER	SW	5	6.39	0	0	0	16	0	16
OCTOBER	NE	6	5.43	1	2	2	6	0	6
NOVEMBER	NE	8	2.08	1	1	1	9	2	9
DECEMBER	NE	7	0	0	0	0	0	1	0

STRONG WINDS - 30 MPH OR MORE

June 27 SSE 32

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Jan. 25 0700-0900
Mar. 17 0700-1100
Mar. 20 0800-1100
Aug. 17 1230-1400
Nov. 28 1200-1530
Nov. 29 1200-1400
Dec. 18 1230-1440

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

KINGSTON STATION 1957	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	7	0.99	0	0	0	0	0	7
FEBRUARY	SE	7	0.39	0	0	0	0	0	3
MARCH	ESE	7	0.30	0	0	0	0	0	2
APRIL	ESE	8	0.89	0	0	0	0	0	2
MAY	ESE	9	4.40	0	1	4	2	0	10
JUNE	E	11	4.39	0	0	0	0	0	3
JULY	ESE	11	0.09	0	0	0	0	0	1
AUGUST	ESE	9	4.80	0	0	0	0	0	6
SEPTEMBER	ESE	7	0.06	0	0	0	0	0	2
OCTOBER	ESE	8	6.25	0	0	3	0	0	8
NOVEMBER	ESE	8	8.29	1	0	1	0	0	10
DECEMBER	SE	6	0	0	0	1	0	0	0

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

TANANARIVE STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	NE 13	0	1	0	0	0	0	0
FEBRUARY	ENE 11	0 0	0	0	0	0	0	0
MARCH	ENE 12	0	3	0	0	0	0	0
APRIL	ENE 12	0.08	1	0	0	2	0	1
MAY	ENE 8	4.16	0	0	0	11	0	10
JUNE	ENE 8	4.47	0	0	0	9	0	9
JULY	NE 10	1.33	0	0	0	3	0	3
AUGUST	NE 11	0.18	0	0	0	7	0	2
SEPTEMBER	ENE 8	4.47	0	0	0	17	2	14
OCTOBER	S 8	4.84	0	0	0	12	0	12
NOVEMBER	SW 8	7.31	0	0	0	19	0	21
DECEMBER	NE 10	2.66	0	0	0	8	0	8

STRONG WINDS - 30 MPH OR MORE

Mar. 30 ENE 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Sep. 4 1030-1105
Sep. 17 1030-1130

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

LAHACAIBO STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	N	6	0	0	0	0	0	0	0
FEBRUARY	NNE	7	0	0	0	0	0	0	0
MARCH	NNE	6	0	0	0	0	0	0	0
APRIL	NNE	7	0	0	0	2	1	0	0
MAY	NNE	5	0.11	0	0	2	1	0	3
JUNE	N	6	0.40	0	0	2	2	0	1
JULY	N	6	0	0	0	0	0	0	0
AUGUST	SE	7	0	0	0	2	0	0	0
SEPTEMBER	N	5	0	0	0	1	0	0	0
OCTOBER	NE	5	0	0	0	3	0	0	0
NOVEMBER	NE	3	0	0	0	0	0	0	0
DECEMBER	NE	4	0.13	0	0	1	0	0	2

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

LA GUAIRA STATION 1037	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	6	0.80	0	0	11	0	0	2
FEBRUARY	NE	6	1.50	0	1	7	0	0	2
MARCH	NE	7	0	0	0	6	0	0	0
APRIL	E	6	0	0	0	6	0	0	0
MAY	NE	6	0.50	0	0	5	0	0	1
JUNE	NE	4	0.30	0	0	4	0	0	3
JULY	NE	4	0.10	0	0	3	0	0	2
AUGUST	NE	5	0.50	0	0	2	0	0	1
SEPTEMBER	NE	5	0.15	0	0	1	0	0	3
OCTOBER	NE	3	0	0	0	0	0	0	0
NOVEMBER	NE	3	0.60	0	0	0	0	0	3
DECEMBER	NE	4	0	0	0	2	0	0	0

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

GUANTA STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	ENE	4	0.32	0	0	2	0	0	4
FEBRUARY	ENE	4	0	0	0	0	0	0	0
MARCH	ENE	5	0	0	0	0	0	0	0
APRIL	ENE	5	0	0	0	0	0	0	0
MAY	N	3	1.00	0	0	1	0	0	2
JUNE	N	2	0.45	0	0	2	0	0	5
JULY	N	2	3.39	0	0	0	0	0	5
AUGUST	N	6	3.21	0	0	0	0	0	3
SEPTEMBER	N	5	2.20	0	0	0	0	0	2
OCTOBER	N	6	0	0	0	0	0	0	0
NOVEMBER	N	3	0.20	0	0	0	0	0	1
DECEMBER	N	6	0	0	0	0	0	0	0

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CARIPITO STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE		VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	4	8.61	0	0	0	13	0	0	25
FEBRUARY	E	4	2.40	0		0	3	0	0	3
MARCH	E	5	0.24	0		0	9	0	0	3
APRIL	E	4	1.34	0		0	1	0	0	7
MAY	E	4	5.39	0		0	9	0	0	18
JUNE	E	4	8.18	0		0	7	0	0	28
JULY	E	2	11.24	0		4	6	0	0	29
AUGUST	E	2	11.68	0		1	1	0	0	25
SEPTEMBER	E	2	3.24	0		0	7	1	0	15
OCTOBER	E	3	1.62	0		2	2	1	0	6
NOVEMBER	E	4	2.78	0		2	6	1	1	12
DECEMBER	NE	5	2.24	0		0	4	0	0	16

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Nov. 4 0920-1050

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

BELIZE STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY	E	8	3.00	0	0	0	0	0	5
FEBRUARY	ESE	7	0.73	0	1	1	1	0	3
MARCH	ESE	10	3.09	0	0	0	0	0	7
APRIL	E	10	5.48	0	0	4	0	0	8
MAY	E	8	1.77	0	0	2	0	0	9
JUNE	E	8	9.53	0	0	5	1	0	13
JULY	E	10	8.07	1	0	0	0	0	12
AUGUST	E	7	6.41	0	3	2	0	0	17
SEPTEMBER	E	6	8.90	0	0	2	0	0	15
OCTOBER	E	7	8.29	0	0	2	0	0	16
NOVEMBER	WNW	6	1.95	0	0	3	0	0	1
DECEMBER	WNW	9	3.69	0	0	3	0	0	5

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

None

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CAMAGUEY STATION 1937	WIND AVERAGE M P H	PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY								
FEBRUARY								
MARCH								
APRIL	E 4	4.10	0	3	1	0	0	3
MAY	E 3	6.15	0	9	9	0	0	9
JUNE	E 6	7.70	0	0	4	8	0	7
JULY	E 5	0.60	0	1	1	5	0	1
AUGUST	E 5	4.10	0	0	1	5	0	2
SEPTEMBER	E 3	7.35	0	4	4	0	4	3
OCTOBER	E 6	7.95	0	2	7	0	2	8
NOVEMBER	N 7	7.43	2	5	10	0	0	6
DECEMBER	NE 5	0	2	1	2	0	0	0

STRONG WINDS - 30 MPH OR MORE

Nov. 25 N 32
Dec. 14 NE 30

DENSE FOGS - 1000 FEET OR LESS VISIBILITY

Sep. 5 1130-1230
Sep. 9 1130-1215
Sep. 10 1130-1215
Sep. 24 1045-1230
Oct. 9 1140-1215
Oct. 20 1135-1220

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

LARACOA STATION 1937	WIND AVERAGE M P H		PRECIP. TOTAL INCHES	NUMBER OF DAYS WITH: WIND 25 MPH OR MORE	VISBY. ONE MILE OR LESS	CEILING 1000 FT. OR LESS	THUNDER STORMS	DENSE FOGS 1000 FEET OR LESS	PRECIP. 0.01 IN. OR MORE
JANUARY									
FEBRUARY									
MARCH									
APRIL	E	6	14.75	1	1	1	0	0	6
MAY	ENE	2	22.21	0	0	0	0	0	18
JUNE	E	3	5.17	0	0	0	0	0	10
JULY	E	6	5.03	0	0	1	0	0	8
AUGUST	E	5	4.45	0	0	1	0	0	12
SEPTEMBER	NE	3	3.50	0	1	2	0	0	8
OCTOBER	E	3	19.53	0	2	3	0	0	17
NOVEMBER	E	4	19.37	1	4	13	0	0	20
DECEMBER	E	8	6.93	2	2	5	0	0	12

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STRONG WINDS 30 MPH OR MORE

None

DENSE FOGS 1000 FEET OR LESS VISIBILITY

None

PREVAILING WIND DIRECTIONS AND AVERAGE VELOCITIES - 1937

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	NNE 15	SSE15	NE15	ENE14	ENE13	NNE12	NNE12	ENE11	ESE11	NE12	NNE15	NNE12
NASSAU	E11	E9	SE9	SE9	-	-	-	E10	NNE8	E9	NE12	E9
HAVANA	NE15	SE14	E15	SE15	NE14	E10	E 10	E10	NE15	NE12	NE15	E15
GUANTANAMO	ENE11	ENE10	NE11	ENE11	NE9	ENE10						
ANTILLA							E9	E9	E7	E6	E6	ENE7
SANTIAGO	NE4	NE2	NE2	NE3	NE2	NE2	NE 3	NE4	NE2	NE3	N4	N5
PORT AU PRINCE	E7	E5	E6	E6	E5	E6	E6	E7	W6	W6	E5	E7
MACORIS	N6	SE7	SE8	SE7	SE6	SE7	SE8	SE6	NNE6	SE6	S6	NE4
SAN JUAN	E16	NE12	ENE14	ENE14	SE14	ENE15	ENE15	ENE13	ENE10	ENE12	E11	ENE13
ST. JOHNS	E8	E6	E7	E7	E6	E9	E8	E6	NE5	E5	E7	E9
PORT CASTRIES	NE13	ENE9	ENE12	ENE12	E11	E11	E9	E8	E5	ENE5		
PORT DE FRANCE												NE4
PORT OF SPAIN	SE3	SE4	SE6	SE10	SE8	SE6	SE6	SE4	N5	N6	N4	N4
GEORGETOWN	NE10	NE12	NE11	NE12	E11	ENE8	NE8	NE7	E9	E8	E9	E8
PARAMARIBO								SE6	SE8	SE6	SE7	SE8
SAN JULIAN	E9	E8	E8	E10	E7	E6	E8	E6	E6	ENE6	ENE8	ENE9
CIENFUEGOS	NE6	S6	S6	S9	NE6	S7	NE7	NE7	SW5	NE6	N E6	NE7
KINGSTON	E7	SE7	ESE7	ESE8	ESE9	E11	ESE11	ESE9	ESE7	ESE8	ESE8	SE6
BARRANQUILLA	NE15	ENE11	ENE12	ENE12	ENE8	ENE6	NE10	NE11	ENE8	S6	SW6	NE10
MARACAIBO	N6	NNE7	NNE6	NNE7	NNE5	N6	N6	SE7	E5	NE5	N E5	NE4
LA GUAIRA	E6	NE6	NE7	E6	NE6	NE4	NE4	N E5	NE5	NE3	N E5	NE4
GUANTA	ENE4	ENE4	ENE5	ENE5	N3	N2	N2	N3	N6	E6	N3	N6
CARUPITO	E4	E4	E5	E4	E4	E4	E2	E2	E2	E3	E4	NE5
BELIZE	E8	ENE7	ESE10	E10	E8	E8	E10	E7	E6	E7	WNW8	WNW9
CAMAGUEY				E4	E5	E6	E5	E5	E5	E6	E7	NE5
BANACOA				E6	ENE2	E3	E6	E5	NE3	E3	N4	E6

TOTAL PRECIPITATION - 1957

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	1.64	3.75	10.81	1.37	2.72	4.07	10.34	9.41	10.72	4.65	0.16	0.32
NASSAU	-	-	-	-				-	5.05	2.26	3.67	0.11
HAVANA	0.43	3.53	3.48	1.17	1.86	11.87	4.54	2.79	2.38	1.83	2.03	1.79
GUANTANAMO	1.98	2.80	3.72	0	10.79	3.96						
ANTILLA							1.83	1.77	4.67	5.63	23.54	0.77
SANTIAGO	1.25	0.25	0.40	0.25	7.76	0.40	3.45	3.08	0	11.75	3.52	0
PORT AU PRINCE	0.48	0.67	5.19	2.66	17.21	1.71	0.89	7.15	13.55	3.34	14.16	1.43
MACORIS	4.32	0.35	0.05	2.99	16.18	4.66	4.58	6.97	2.60	3.43	4.51	3.84
SAN JUAN	15.47	1.33	0.93	1.34	1.50	3.83	5.76	6.06	2.73	3.36	6.60	2.95
ST. JOHN	9.01	3.38	0.71	3.76	1.72	1.33	5.10	6.60	5.02	5.42	6.43	2.55
PORT CASTRIES	7.69	3.02	1.87	1.42	0.64	4.51	2.93	5.65	8.04	5.17		
PORT DE FRANCE												0
PORT OF SPAIN	5.07	0.86	0.22	3.15	0.15	3.75	7.87	7.12	2.92	5.95	10.56	9.72
GEORGETOWN	14.35	0.70	1.49	5.33	12.16	16.99	14.90	7.06	5.80	2.99	2.47	11.01
PARAMARIBO								1.03	1.86	2.29	2.80	8.36
SAN JULIAN	1.89	2.04	2.47	0.18	11.24	8.52	1.43	4.80	4.80	10.06	0	1.36
CIENFUEGOS	0.01	3.73	5.85	2.86	11.34	12.38	2.47	19.52	6.39	5.45	2.06	0
KINGSTON	0.99	0.39	0.30	0.89	4.40	4.89	0.09	4.80	0.06	6.25	8.29	0
BARRANQUILLA	0	0	0	0.08	4.16	4.47	1.35	0.18	4.47	4.84	7.31	2.66
MARACAIBO	0	0	0	0	0.11	0.40	0	0	0	0	0	0.15
LA GUAIRA	0.80	1.80	0	0	0.80	0.80	0.10	0.50	0.15	0	0.60	0
CUMANA	0.32	0	0	0	1.00	0.45	3.39	3.21	2.20	0	0.20	0
CARUPITO	8.61	2.40	0.24	1.34	5.39	8.18	11.24	11.68	3.24	1.62	2.78	2.24
BELIZE	3.30	0.75	3.09	5.48	1.77	9.53	8.07	6.41	8.90	8.29	1.95	3.69
CAMAGUEY				4.10	6.15	7.70	0.60	4.10	7.35	7.95	7.43	0
HAVACOA				14.75	22.21	3.17	3.05	4.45	3.60	10.53	19.37	6.93

NUMBER OF DAYS WITH WIND - 25 MPH OR MORE - 1957

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	2	2	3	3	1	2	1	1	2	0	5	0
NASSAU	0	0	0	0				0	2	0	4	0
HAVANA	3	4	3	4	4	1	3	4	3	1	6	0
NUEVITAS	1	0	0	0	2	0						
ANTILLA							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	1	1	0	1	0	0
MACORIS	0	0	0	0	0	1	0	2	0	0	0	0
SAN JUAN	1	0	0	0	0	0	0	0	0	0	0	0
ST. JOHNS	2	0	0	1	0	0	0	0	0	0	0	0
PORT CASTRIES	6	0	1	1	0	0	0	0	1	0		
FORT DE FRANCE												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
PARAMARIBO								0	1	0	0	0
SAN JULIAN	0	0	0	0	0	1	0	0	0	0	0	0
CIENFUEGOS	0	0	0	0	0	2	4	0	0	1	1	0
KINGSTON	0	0	0	0	0	0	0	0	0	0	1	0
BARRANQUILLA	1	0	3	1	0	0	0	0	0	0	0	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	0	0	0	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	1	0	0	0	0	0
CAMAGUEY				0	0	0	0	0	0	0	2	2
BARACOA				1	0	0	0	0	0	0	1	2

NUMBER OF DAYS WITH VISIBILITY - ONE MILE OR LESS - 1937

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	0	1	6	0	0	0	1	1	2	0	1	2
NASSAU	0	0	0	0				0	0	0	0	0
HAVANA	1	2	4	3	2	2	1	3	0	0	0	1
NUEVITAS	0	0	0	0	2	1						
ANTILLA							0	0	0	0	7	0
SANTIAGO	0	0	0	0	0	0	0	0	0	0	3	0
PORT AU PRINCE	0	0	0	0	0	0	0	0	0	0	0	0
MACORIS	1	0	0	1	1	3	0	3	0	0	0	0
SAN JUAN	1	0	0	0	0	0	0	1	0	0	0	0
ST. JOHNS	1	0	0	0	0	1	0	1	0	0	1	0
PORT CASTRIES	0	0	0	0	0	0	0	0	0	0		
PORT DE FRANCE												0
PORT OF SPAIN	0	1	0	2	0	2	3	1	1	2	4	3
GEORGETOWN	2	2	1	4	3	5	6	4	1	2	1	4
PARAMARIBO								0	1	1	2	4
SAN JULIAN	2	4	2	0	1	1	0	0	0	0	3	2
CIENFUEGOS	1	0	0	0	0	2	1	0	0	2	1	0
KINGSTON	0	0	0	0	1	0	0	0	0	0	0	0
BARRANQUILLA	0	0	0	0	0	0	0	0	0	0	0	0
MARACAIBO	0	0	0	0	0	0	0	0	0	0	0	0
LA GUAIRA	0	1	0	0	0	0	0	0	0	0	0	0
GUANTA	0	0	0	0	0	0	0	0	0	0	0	0
CARIPITO	0	0	0	0	0	0	4	1	0	2	2	0
BELIZE	0	1	0	0	0	0	0	3	0	0	0	0
CAMAGUEY				3	9	0	1	0	4	2	3	1
BARACOA				1	0	0	0	0	1	2	4	2

NUMBER OF DAYS WITH CEILING - 1000 FEET OR LESS - 1937

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	0	4	7	0	0	2	2	1	3	1	6	3
NASSAU	0	0	2	0				4	3	0	6	3
HAVANA	0	7	6	6	4	2	2	3	1	1	4	4
GUANTANAMO	0	4	4	2	4	3						
ANTILLA							3	8	5	3	10	7
SANTIAGO	0	0	1	0	2	0	0	0	0	2	7	3
PORT AU PRINCE	0	0	0	0	1	0	0	0	0	0	0	1
MACOURIS	0	0	0	2	2	4	0	3	0	0	0	0
SAN JUAN	6	1	0	1	0	1	2	1	0	0	2	1
ST. JOHNS	10	7	0	2	0	0	0	2	0	0	2	1
PORT CASTRIES	7	5	6	1	7	8	7	3	1	3		
PORT DE FRANCE												0
PORT OF SPAIN	1	3	6	0	0	11	7	5	2	2	5	3
GEORGETOWN	13	13	21	20	19	15	20	13	8	7	6	12
PARAMARIBO								1	1	1	2	5
SAN JULIAN	0	2	4	1	1	2	0	2	0	1	2	1
CIENFUEGOS	0	0	3	0	0	4	3	0	0	2	1	0
KINGSTON	0	0	0	0	4	0	0	0	0	3	1	1
BARRANQUILLA	0	0	0	0	0	0	0	0	0	0	0	0
MARACAIBO	0	0	0	2	2	2	0	2	1	3	0	1
LA GUAIRA	11	7	6	6	5	4	3	2	1	0	0	2
GUAYA	2	0	0	0	1	2	0	0	0	0	0	0
CARUPITO	13	3	9	1	9	7	6	1	7	2	6	4
BELIZE	0	1	0	4	2	5	0	2	2	2	3	3
CAMAGUEY				1	9	4	1	1	4	7	10	2
BARACOA				1	0	0	1	1	2	3	15	5

NUMBER OF DAYS WITH THUNDERSTORMS - 1957

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	0	0	0	0	0	0	0	3	0	0	0	0
NASSAU	0	0	0	0				3	2	1	1	0
HAVANA	0	2	5	4	10	11	6	10	11	6	6	1
HUEVITAS	0	0	0	0	0	0						
ANTILLA							0	0	0	0	0	0
SANTIAGO	0	0	0	0	16	0	16	13	12	1	1	0
PORT AU PRINCE	2	1	0	3	7	5	5	11	16	7	4	0
MACORIS	0	0	0	0	0	4	2	2	2	1	0	1
SAN JUAN	0	0	0	0	0	0	0	1	0	0	0	0
ST. JOHNS	0	0	0	0	0	1	1	0	1	1	2	0
PORT CASTRIES	0	0	0	0	0	0	0	0	1	2		
PORT DE FRANCE												0
PORT OF SPAIN	0	0	0	0	0	0	0	0	1	2	0	1
GEORGETOWN	0	0	0	0	0	2	1	3	0	3	1	0
PARAMARIBO								2	2	3	2	0
SAN JULIAN	0	1	2	3	5	8	2	10	9	4	0	0
CIENFUEGOS	1	7	6	3	19	27	14	23	16	6	9	0
KINGSTON	0	0	0	0	2	0	0	0	0	0	0	0
BARRANQUILLA	0	0	0	2	11	9	3	7	17	12	19	8
MARACAIBO	0	0	0	1	1	2	0	0	0	0	0	0
LA GUAIRA	0	0	0	0	0	0	0	0	0	0	0	0
GUANTA	0	0	0	0	0	0	0	0	0	0	0	0
CARIPITO	0	0	0	0	0	0	0	0	1	1	1	0
BELIZE	0	1	0	0	0	1	0	0	0	0	0	0
CAMAGUEY				0	0	6	5	5	0	0	0	0
BARACOA				0	0	0	0	0	0	0	0	0

NUMBER OF DAYS WITH DENSE FOGS - 1937
(Visibility 1000 feet or less)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	0	0	1	0	0	0	0	0	0	0	1	1
NASSAU	0	0	0	0				0	0	0	0	0
HAVANA	0	0	1	0	0	0	0	0	0	0	0	0
KINGSTON	0	0	0	0	0	0						
ANTILLA							0	0	2	0	0	1
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
SAGORIS	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	1	0	0	0	0	0	0	0	0
PORT CASTRIES	0	0	0	0	0	0	0	0	0	0		
PORT DE FRANCE												0
PORT OF SPAIN	0	0	0	0	0	0	0	0	0	0	0	0
GEORGETOWN	0	1	0	0	0	0	0	0	0	0	0	0
PARAMARIBO								0	1	1	2	2
SAN JULIAN	0	0	0	0	0	0	0	0	0	0	0	0
CIENFUEGOS	1	0	2	0	0	0	0	1	0	0	2	1
KINGSTON	0	0	0	0	0	0	0	0	0	0	0	0
BARRANQUILLA	0	0	0	0	0	0	0	0	2	0	0	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	0	0	0	0	0	0	0	0	0	0	0
CARIPITO	0	0	0	0	0	0	0	0	0	0	1	0
BELIZE	0	0	0	0	0	0	0	0	0	0	0	0
CAMAGUEY				0	0	0	0	0	4	2	0	0
MANACCA				0	0	0	0	0	0	0	0	0

N MBER OF DAYS WITH PRECIPITATION - 0.01 INCH OR MORE - 1937

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
HAVANA	10	7	12	6	7	12	11	12	16	14	3	5
MATANZAS	0	0	0	0				0	8	8	4	1
HAVANA	2	5	5	8	5	12	11	6	11	9	14	6
BUENVIDAS	12	3	2	0	6	5						
ANTILLA							2	5	3	5	15	3
SANTIAGO	2	1	2	1	9	1	5	4	0	5	2	0
PORT AU PRINCE	2	4	7	15	19	4	4	10	19	15	10	9
MACORIS	15	4	1	5	6	10	12	14	15	12	11	7
SAN JUAN	28	11	8	13	10	15	16	24	15	17	20	19
ST. JOHNS	22	10	9	12	5	7	16	15	16	16	15	16
PORT CASTRIES	23	13	17	15	5	21	14	20	14	11		
PORT DE FRANCE												0
PORT OF SPAIN	16	0	5	9	4	10	17	10	4	6	8	9
GEORGETOWN	17	9	15	12	26	20	20	14	7	4	5	13
LA CABAIRIDO								7	5	6	10	17
SAN JULIAN	4	4	2	5	9	5	2	5	7	8	0	2
CIENFUEGOS	1	7	6	5	15	27	10	23	16	6	9	0
KINGSTON	7	3	2	2	10	5	1	6	2	8	10	0
BARRANQUILLA	0	0	0	1	10	9	3	2	14	12	21	5
MARACAIBO	0	0	0	0	3	1	0	0	0	0	0	2
LA GUAIRA	2	2	0	0	1	3	2	1	5	9	3	0
CURAZA	4	0	0	0	2	5	5	3	2	0	1	0
CARUPITO	25	3	3	7	18	28	29	25	15	6	12	16
BELIZE	5	3	7	8	9	15	12	17	15	16	1	5
CAMAGUEY				3	9	7	1	2	3	5	5	0
BARACOA				6	18	10	5	12	8	17	20	12

WINDS AT SURFACE - HIGHEST VELOCITIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	ENE32 7	NNE32 12	ESE34 30	**	**	**	SSE30 1	**	NNE30 24	**	ENE30 24	**
NASSAU	**	**	**	**				**	ENE30 24	**	NNE30 2	**
HAVANA	**	**	SSE 30	ESE2 13	**	**	NNE30 4	SSE1 3	NNE36 24	**	ENE30 2	**
GUANTANAMO	**	**	**	**	**	**						
SANTILLA							**	**	**	**	**	**
SANTIAGO	**	**	**	**	**	**	**	**	**	**	**	**
PORT AU PRINCE	**	**	**	**	**	**	SSE30 4	NNE30 20	**	**	**	**
SAGORIS	**	**	**	**	**	**	**	NNE30 9	**	**	**	**
SAN JUAN	**	**	**	**	**	**	**	**	**	**	**	**
ST. JOHNS	**	**	**	**	**	**	**	**	**	**	**	**
PORT CASTRIES	NNE32 15	**	**	**	**	**	**	**	NNE35 8	**		
PORT DE FRANCE												**
PORT OF SPAIN	**	**	**	**	**	**	**	**	**	**	**	**
GEORGETOWN	**	**	**	**	**	**	**	**	**	**	**	**
PARAMARIBO								**	NNE30 4	**	**	**
SAN JULIAN	**	**	**	**	**	**	**	**	**	**	**	**
CIENFUEGOS	**	**	**	**	**	SSE32 27	**	**	**	**	**	**
KINGSTON	**	**	**	**	**	**	**	**	**	**	**	**
BARRANQUILLA	**	**	ENE30 30	**	**	**	**	**	**	**	**	**
MARACAIBO	**	**	**	**	**	**	**	**	**	**	**	**
LA GUAIRA	**	**	**	**	**	**	**	**	**	**	**	**
GUANTA	**	**	**	**	**	**	**	**	**	**	**	**
CARUPITO	**	**	**	**	**	**	**	**	**	**	**	**
BELIZE	**	**	**	**	**	**	**	**	**	**	**	**
CARAGUEY				**	**	**	**	**	**	**	NNE2 25	NNE30 14
PANAMACOA				**	**	**	**	**	**	**	**	**

** Under 30 miles per hour.

Highest underscored * * * Date below velocity

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

MIAMI STATION 1937	TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	1015	E 10	ESE 21	ESE 22	ESE 21	ESE 19	ESE 18	ESE 17	ESE 17	SE 14	SE 14	SE 15	SE 14
	1615	ESE 17	ESE 20	ESE 20	SE 21	E 20	E 17	ESE 18	ESE 15	ESE 18	ESE 16	ESE 16	E 16
FEBRUARY	1000	NNW 7	SSE 20	SSE 21	E 18	WNW 16	WSW 16	WNW 16	W 18	W 20	W 22	W 28	W 29
	1615	SSE 14	E 16	SSE 18	W 18	SSE 16	W 16	W 16	NNW 19	WNW 25	WNW 22	WNW 27	WNW 32
MARCH	1000	N 6	N 17	ENE 17	ENE 15	WSW 14	WSW 14	W 15	WSW 17	W 20	W 24	W 26	W 26
	1615	SSE 12	ENE 14	E 14	E 12	SW 12	WNW 16	WNW 17	W 19	WNW 19	W 26		
APRIL	1145	ESE 12	S 16	S 17	S 16	SSE 13	SSW 15	WNW 15	W 13	WNW 15	WNW 18	W 16	W 20
	1900	ESE 15	ESE 15	SE 16	SE 14	WSW 13	WSW 11	WNW 15	WNW 16	NNW 16	W 14	W 16	NNW 23
MAY	1145	ENE 10	ESE 10	ESE 10	E 16	ENE 10	ENE 12	NE 13	WNW 12	W 12	WNW 12	NW 14	W 11
	1900	ENE 13	E 13	E 12	ENE 12	NE 12	NE 12	NE 12	NW 12	ENE 13	W 12	WNW 12	NW 7
JUNE	1145	ESE 9	SE 12	SE 12	SE 12	SE 11	SE 11	SE 11	ESE 10	ESE 10	WNW 10	WNW 11	NW 14
	1945	ESE 12	SE 11	SE 13	ESE 13	E 12	ENE 11	ENE 11	SE 8	E 9	NNE 9	ENE 8	WSW 10
JULY	1130	ENE 9	SE 10	SSE 12	ESE 12	ESE 12	ESE 12	ESE 11	E 11	ESE 11	SSE 10	ESE 7	ESE 10
	1880	ESE 11	SSE 12	SE 12	ESE 13	ESE 11	ENE 11	E 11	E 11	E 11	NE 10	SSW 11	WNW 6
AUGUST	1130	ENE 4	E 5	ESE 5	ESE 6	ESE 6	ESE 6	E 4	E 4	E 4	ESE 4	SE 4	
	1900	ENE 12	SE 12	SE 13	SE 12	ESE 12	ESE 11	ESE 10	ESE 10	ESE 10	E 12	E 15	
SEPTEMBER	1145	ENE 9	E 12	SE 12	SE 12	ESE 11	SE 11	ESE 10	SSE 10	SSW 11	WSW 10	WSW 10	
	1900	ESE 12	SSE 11	SE 12	SE 12	ENE 11	SE 12	WNW 12	ESE 12	ENE 11	ESE 9	E 11	SE 6
OCTOBER	1145	WNW 9	SE 14	SSE 15	SE 14	SE 14	SE 11	E 14	SW 13	S 12	SW 11	NW 10	
	1900	ESE 12	ENE 14	E 14	E 13	ENE 13	ENE 11	ENE 12	WNW 8	WSW 9	WNW 10	WSW 12	NNW 23
NOVEMBER	1145	WNW 14	ENE 22	ENE 23	ENE 24	E 21	E 21	NE 18	W 17	WSW 19	E 7		
	1900	NNE 16	NE 18	ENE 20	E 20	NE 20	ENE 18	W 17	WNW 19	W 16	W 18	W 24	WSW 30
DECEMBER	1145	WNW 10	E 20	E 20	E 19	ENE 16	NE 18	NE 16	SSW 15	NW 15	NW 18	WNW 15	
	1915	ENE 13	ENE 16	ENE 16	E 17	NE 16	E 15	E 13	W 14	NW 14	WSW 19	WSW 22	WNW 20
Year		ENE 11	E 15	SE 15	E 15	ESE 14	ESE 14	ESE 13	W 13	W 14	W 14	W 15	W 17

Greenwich Civil Time.

WINDS ALOFT - HIGHEST VELOCITIES - MIAMI 1937

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	ESE 25 17	ENE 36 30	ESE 30 20	ESE 30 20	ENE 31 9	ESE 31 9	ESE 25 9	NW 22 31	ESE 22 9
FEBRUARY	WSW 27 16	NW 30 22	N 30 17	NNW 31 14	NNW 32 15	WNW 29 15	NW 37 17	N 34 17	WNW 38 4
MARCH	NW 24 31	NNW 38 31	NNW 50 31	N 34 28	N 36 27	WNW 42 31	WNW 35 29	N 39 1	NNW 43 10
APRIL	SSE 24 6	SSW 28 6	WSW 42 9	WSW 30 9	WNW 30 28	WSW 35 9	WNW 31 26	NW 30 12	NW 30 12
MAY	SE 22 2	ESE 25 13	ESE 24 13	ENE 22 11	N 25 6	NW 22 15	N 23 5	ENE 25 21	NW 30 3
JUNE	SSE 24 30	N 26 23	ENE 29 24	SW 35 30	SW 38 30	SW 42 30	SE 22 18	N 20 2	WSW 25 20
JULY	SSE 18 1	SE 22 5	SE 24 5	ESE 25 9	S 32 1	SSW 36 1	SW 25 1	SW 28 1	SE 24 6
AUGUST	SSE 22 30	S 24 30	S 25 30	ESE 24 20	ESE 19 21	WNW 26 29	E 30 21	E 18 8	E 22 20
SEPTEMBER	NE 26 24	WSW 30 13	E 28 24	E 35 24	ENE 35 24	ENE 35 24	ENE 32 24	WNW 24 14	NNE 20 25
OCTOBER	ENE 24 9	N 30 28	NW 35 28	WNW 30 28	W 30 28	WNW 39 28	NNE 24 30	WSW 25 24	WSW 28 24
NOVEMBER	NNE 34 24	ENE 34 24	ENE 40 24	E 42 24	WSW 40 17	W 40 17	WNW 45 17	W 30 21	W 33 21
DECEMBER	WNW 30 4	NNE 40 3	NNE 35 3	WNW 42 6	N 42 6	NE 24 29	NSW 31 19	WSW 35 19	WNW 40 7

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

U. S. Weather Bureau Observations to March 17.
March 17 - December, incl. PAA observations.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

KEYWEST STATION 1937	TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	1030*	E 11	E 23	ESE 24	ESE 23	ESE 19	ESE 17	ESE 16	ESE 16	ESE 16	ESE 11	WSW 11	WSW 6
	1630	ESE 14	ESE 23	ESE 23	ESE 21	ESE 19	ESE 18	SE 19	ESE 17	E 16	ESE 15	ESE 13	ESE 8
FEBRUARY	1030	SE 11	SE 20	SE 20	S 18	S 16	WNW 13	W 14	W 16	W 17	W 16	WSW 16	
	1830	E 12	ESE 18	SE 18	SE 17	WSW 15	WSW 15	NW 15	W 15	SW 17	SW 20	WNW 18	W 33
MARCH	1030	N 10	NE 16	SSE 16	S 13	SE 12	S 10	S 10	WSW 10	W 10	W 12	W 16	W 16
	1815	N 10	SSE 16	SE 17	SE 17	S 15	SSW 13	WSW 12	W 12	WSW 14	W 14	NW 19	W 22
APRIL	1030	SE 10	SE 18	SE 17	SE 16	S 13	SW 12	WSW 12	W 13	WNW 12	NW 13	WNW 12	WNW 19
	1830	SE 12	SE 16	SE 16	SE 16	E 12	SW 13	SW 14	WSW 13	WSW 15	SSW 15	W 17	SW 28
MAY	1030	E 7	E 13	E 13	E 13	E 13	ENE 12	ENE 11	ENE 14	ENE 14	ENE 16	WSW 12	W 6
	1830	SSE 11	E 13	ENE 12	ENE 12	ENE 13	E 13	ENE 12	E 11	ENE 11	NE 10	WNW 10	WNW 5
JUNE	1100	E 8	ESE 12	ESE 12	ESE 12	ESE 12	ESE 11	ESE 10	S 10	ENE 10	SW 13	W 12	SW 12
	1815	SE 10	ESE 13	ESE 12	ESE 10	ESE 9	E 9	E 9	SW 10	ESE 9	E 10	S 10	SW 6
JULY	1030	ESE 8	ESE 14	ESE 15	ESE 15	SE 14	E 13	E 11	E 10	ESE 9	ESE 8	SSW 10	ESE 9
	1815	SE 10	ESE 12	ESE 13	ESE 12	ESE 12	ESE 12	ESE 13	ESE 13	E 14	ESE 14	ESE 8	Calm
AUGUST	1045	E 7	E 13	ESE 14	ESE 13	ESE 12	ESE 11	ESE 12	ESE 10	SE 9	ESE 9	E 10	E 8
	1815	ESE 10	ESE 13	E 12	E 11	E 11	E 12	E 12	E 10	ESE 10	ESE 10	SE 10	
SEPTEMBER	1045	NE 9	E 14	ESE 14	SE 14	E 13	E 12	E 11	E 12	E 11	E 12	W 13	WSW 9
	1815	NE 10	SSE 14	ENE 14	E 12	E 11	E 10	WSW 10	WSW 10	WSW 10	W 10	SW 10	W 24
OCTOBER	1045	ENE 9	ENE 16	SE 16	E 14	SE 13	ESE 14	E 14	SE 15	SE 14	E 11	ENE 11	WSW 10
	1630	NE 10	NE 16	SE 15	SE 14	SE 13	SE 13	ESE 14	SSE 18	SSE 13	SE 14	SE 12	WNW 15
NOVEMBER	1030	ENE 12	ENE 24	ENE 24	E 22	E 20	ENE 16	ENE 14	ENE 13	E 11	WSW 13	WNW 13	WNW 18
	1630	NNE 13	NNE 22	NNE 23	E 22	E 19	ENE 16	NE 16	SW 16	NE 15	W 12	W 14	SW 17
DECEMBER	1030	NE 10	ENE 21	E 20	ENE 18	E 17	ESE 14	SE 14	E 14	NNW 12	NW 15	WSW 15	W 25
	1630	NNE 12	ENE 21	E 20	ESE 19	ENE 18	SE 17	SE 16	SW 16	W 14	W 13	W 18	WNW 11
Year.		E 10	ESE 17	ESE 17	ESE 15	E 14	ESE 13	ESE 13	E 13	E 13	ESE 13	W 13	W 14

Greenwich Civil Time.

WINDS ALOFT - HIGHEST VELOCITIES - KEY WEST 1937

	Surface	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	E 20 8	E 37 6	E 39 8	ESE 35 7	SE 33 20	SSE 34 18	ESE 34 20	SSE 40 22	ESE 23 7
FEBRUARY	WSW 20 16	ENE 38 12	SE 30 20	W 37 16	WSW 24 21	W 27 16	W 34 16	W 36 16	WSW 30 23
MARCH	N 22 16	WSW 28 27	WSW 31 27	E 29 13	WSW 28 27	SSW 32 30	WSW 27 16	WSW 20 27	E 35 2
APRIL	N MI19 26	ENE 31 13	ENE 33 13	WSW 31 9	W 29 26	S 30 4	WSW 31 26	WSW 31 26	W 27 27
MAY	NNW 16 8	E 26 26	ESE 20 25	ENE 20 17	NW 27 3	WNW 26 3	ENE 23 18	ENE 29 21	W 21 15
JUNE	WSW 22 29	WSW 25 24	SW 27 29	SW 27 29	NNE 19 17	WSW 19 23	ESE 20 17	SW 22 20	SW 22 20
JULY	ESW 18 29	ESE 25 5	ESE 26 5	SSE 31 1	S 30 1	SSW 28 1	SSW 28 1	SSW 29 1	E 26 11
AUGUST	ESE 12 15	SSE 26 20	ESE 24 22	SE 25 12	SE 26 12	SE 27 12	SE 29 12	SE 20 23	SE 22 23
SEPTEMBER	ENE 15 23	ENE 35 24	ENE 35 24	ENE 34 24	WSW 27 13	WSW 26 13	WSW 27 14	WSW 24 14	WSW 23 14
OCTOBER	NW 26 23	ESE 34 17	ESE 32 17	ESE 35 17	ESE 29 17	NW 27 25	WSW 27 26	WNW 32 26	W 35 26
NOVEMBER	NW 22 17	ENE 46 24	ENE 50 24	ENE 45 24	WSW 32 12	WSW 32 12	N E 24 2	NE 24 2	WNW 26 29
DECEMBER	NNW 30 6	NNW 62 6	NNW 44 6	NW 36 6	WNW 37 6	W 42 6	W 46 6	WNW 32 9	WNW 33 9

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

U. S. Weather Bureau Observations.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

HAVANA STATION 1937	G.C.T. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	1215	E 7	ESE 27	ESE 28	ESE 22	E 21	ESE 19	ESE 19	E 19	ENE 18	ESE 18	E 20	
FEBRUARY	1230	ESE 10	SE 21	E 20	SSE 16	SSE 15	S 15	S 14	W 14	W 14	W 14	WNW 18	
MARCH	1215	SE 7	E 17	E 16	ENE 14	S 13	SSW 11	SSE 12	SSE 12	WSW 11	W 11	WSW 16	
APRIL	1200	SE 8	SSE 19	ESE 18	SSE 16	SSE 15	S 16	S 15	SSW 15	SW 13	WNW 15	W 17	
MAY	1200	E 7	E 17	E 16	E 13	E 12	ENE 11	E 10	E 12	E 13	ENE 14	ENE 14	
JUNE	1215	E 6	ESE 18	ESE 16	SE 15	SE 14	SSE 14	ESE 13	E 13	SW 13	E 12	SE 11	
JULY	1200	E 5	ESE 16	E 19	E 17	ESE 16	E 17	E 16	E 14	E 16	ESE 15	SE 13	
AUGUST	1200	E 6	E 16	E 18	E 15	E 12	E 12	E 12	E 11	E 11	E 10	ENE 10	
SEPTEMBER	1215	SE 7	SE 17	E 15	E 14	E 14	E 14	E 13	E 13	E 13	ENE 11	ENE 12	
OCTOBER	1200	SE 6	SE 16	SE 18	SE 16	SE 14	E 13	ESE 12	ESE 13	E 14	SE 13	ENE 14	
NOVEMBER	1300	E 12	ENE 21	ENE 22	NE 22	NE 19	ENE 18	NNE 19	NE 18	NNW 16	SW 17	WSW 18	
DECEMBER	1300	E 12	E 23	ENE 24	ENE 21	ENE 20	E 19	ESE 18	E 17	ENE 17	ENE 16	WSW 16	
YEAR		E 8	E 19	E 19	E 17	E 14	E 15	ESE 14	E 14	E 14	ENE 14	ENE 15	

NATIONAL OBSERVATORY OBSERVATIONS

WINDS ALOFT - HIGHEST VELOCITIES - HAVANA 1937

	Surface	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NE 16 11	ESE 36 20	ESE 40 8	E 37 6	ESE 31 7	ESE 29 7	NNE 29 7	NNE 31 7	NNE 40 22
FEBRUARY	SE 22 8	SE 32 20	SSE 29 8	SSE 29 9	NW 36- 25	NNW 34 25	WNW 29- 18	NW 31 17	NW 34 17
MARCH	NNW 16 17	E 29 4	SSE 36 30	S 31 30	NE 22 18	NW 25 18	NW 27 18	NW 27 18	WNW 34 11
APRIL	NNE 16 1	SSE 34 5	SSE 36 5	SSE 31 5	S 35 5	S 34 5	S 29 5	NW 29 13	W 34 3
MAY	E 21 27	ESE 27 13	E 26 17	ENE 26 28	E 25 28	E 20 31	ENE 22 28	WSW 27 5	WNW 31 7
JUNE	S 16 29	ESE 29 10	S 38 30	S 37 30	SSW 38 30	SSW 27 30	WSW 29 30	WSW 31 30	E 25 11
JULY	SSE 15 2	ESE 30 22	ESE 33 19	ESE 33 19	NNE 30 4	ENE 29 4	E 45 4	ESE 40 4	ENE 38 4
AUGUST	SE 18 14	ESE 27 14	ESE 29 9	ESE 27 10	ESE 25 10	ENE 20 7	SE 28 12	ESE 20 20	ENE 22 9
SEPTEMBER	SSW 28 13	WSW 27 13	WSW 31 13	WSW 34 13	WSW 35 13	WSW 33 13	WSW 36 13	WSW 25 13	WSW 22 13
OCTOBER	NNW 12 24	ESE 32 17	ESE 34 17	ESE 35 17	SE 25 1	SSE 22 1	SSE 27 1	W 31 26	W 29 26
NOVEMBER	WNW 22 4	E 34 24	ESE 38 25	ESE 45 25	WSW 28 12	ESW 34 12	WSW 37 12	SW 44 12	NNW 46 12
DECEMBER	NNW 20 2	NNE 34 3	ESE 35 14	ESE 36 14	ENE 36 26	N 27 5	N 34 5	W 40 5	NW 39 9

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

National Observatory Observations.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

MUSVITAS STATION 1937	75th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0900	ENE 10	ENE 25	NE 28	ENE 31	ENE 27	ENE 28	ENE 23	ENE 25	ENE 21	ENE 18	ENE 14	WNW 8
FEBRUARY	0730	NE 6	ENE 15	ENE 16	ENE 13	E 12	ENE 10	SSW 10	SW 10	SW 13	WSW 10	SW 9	W 13
MARCH	0800	NE 6	ENE 16	ENE 17	ENE 14	ENE 11	SW 12	SW 12	SW 11	W 12	SW 12	WSW 10	WSW 12
APRIL	0730	E 8	E 17	E 17	E 13	E 10	NE 10	NE 12	NE 11	NNE 9	SSW 8	SSW 11	WSW 12
	1300	NE 10	NE 21	E 11	E 11	SW 11	SE 10	S 9	S 7	ESE 11	ESE 12	ESE 9	
MAY	0730	E 6	ENE 11	NNE 12	ENE 11	E 9	NE 9	E 8	N 7	ESE 7	ESE 7	S 9	W 8
	1130	NNW 8	NE 12	NE 10	S 12	NE 12	NE 14	NE 13	SW 9				
JUNE	0730	E 6	NE 11	NE 13	ENE 14	NE 11	NE 10	NE 12	NE 11	NE 12	NE 13	SE 13	SSE 13
	1215	NE 7	NE 16	ENE 13	ENE 15	ENE 15	ENE 16	E 15	ENE 13	ENE 10	ENE 10	NE 13	E 11
JULY													
AUGUST													
SEPTEMBER													
OCTOBER													
NOVEMBER													
DECEMBER													
YEAR		NE 7	ENE 16	NE 16	ENE 15	ENE 13	NE 13	NE 13	NE 20	ENE 10	ESE 11	SSW 11	W 11

WINDS ALOFT - HIGHEST VELOCITIES - HUNTSVILLE - 1957

	Surface*	1000	2000	3000	4000	5000	6000	10000	12000
JANUARY	ENE 17 8	N 35 6	NE 35 8	NE 36 8	E 38 5	ENE 37 19	ENE 38 21	ENE 30 21	ENE 28 5
FEBRUARY	NE 20 4	NNE 20 4	ENE 28 9	NE 20 18	SW 20 25	SSW 18 25	N 18 2	N 18 16	SW 15 14
MARCH	N 10 2	ENE 25 4	N 30 30	ENE 25 4	N E 20 4	SW 20 16	WSW 20 31	SW 30 31-	SW 12 14
APRIL	NE 14 1	NE 30 13	E 30 5	NE 30 15	NNE 18 18	NNE 20 18	SSW 14 27	NNE 18 18	NNE 20 18
MAY	ESE 10 2	NNE 20 27	ENE 21 20	ENE 20 20	NE 20 21	NE 18 21	WSW 25 9	WSW 20 9	WSW 25 9
JUNE	NE 14 11	ENE 28 28	NE25 10	ENE 30 17	NE 20 10	NE 25 10	SSE 25 29	SE 30 29	NE 30 27
JULY	ENE 20 2	NE 30 2	E 30 1	ESE 30 1	NE 30 4	E 35 1	NE 15 5	NE 25 5	NE 10 5
AUGUST									
SEPTEMBER									
OCTOBER									
NOVEMBER									
DECEMBER									

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

Station Discontinued.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

ANTILLA STATION 1937	75th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY													
FEBRUARY													
MARCH													
APRIL													
MAY													
JUNE													
JULY	0730	E 5	E 22	E 25	E 24	E 21	E 20	E 17	E 17	E 11	ESE 12	ESE 24	ESE 18
AUGUST	0830	E 18	E 16	E 18	E 19	E 18	E 17	E 18	E 16	E 16	E 13	E 11	ENE 10
SEPTEMBER	0745	SW 5	E 13	E 16	E 15	ENE 14	ENE 14	ESE 13	ESE 14	E 10	E 9	SSW 11	SW 11
OCTOBER	0715	E 4	E 14	E 19	E 18	ENE 18	ESE 17	ENE 13	E 14	ESE 12	E 12	E 11	ENE 8
NOVEMBER	0730	E 7	NE 14	NE 17	NE 17	E 17	NE 17	NE 13	SW 13	S 15	SSW 15	SW 16	SW 18
	1430	E 6	ENE 17	ESE 15	ESE 11	WNW 10	E 8	E 10	E 13	E 18	SW 18	WSW 14	WSW 15
DECEMBER	0800	NE 7	ENE 18	ENE 21	ENE 19	E 16	ENE 14	E 12	E 12	ENE 13	ENE 12	NE 11	NE 17
	1430	ENE 11	ENE 20	ENE 21	ENE 17	E 13	ENE 16	E 11	NE 18	ENE 5	Calm	NW 15	NW 15
YEAR		E 8	E 17	E 19	E 18	E 16	E 15	E 13	E 15	E 12	E 11	E 13	ENE 14

WINDS ALOFT - HIGHEST VELOCITIES - ANTILLA 1937

	Surface*	1000	2000	3000	4000	5000	6000	8000	10000	12000
JANUARY										
FEBRUARY										
MARCH										
APRIL										
MAY										
JUNE										
JULY	E 10 18	E 30 18	E 40 18	E 35 18	E 32 18	E 30 18	ESE 12 25	ESE 15 29	ESE 16 29	
AUGUST	E 12 22	E 28 5	E 28- 12	E 30 12	E 30 10	E 30 20	E 40 10	ENE 25 26	E 18 12	
SEPTEMBER	SW 13 12	E 20 7	E 30 7	E 26 7	ESE 35 7	ESE 30 7	SE 18 5	SSW 15 2	SSW 30 2	
OCTOBER	NE 10 24	E 25 17	E 32 17	E 35 17	E 34 17	ENE 30 5	ENE 30 17	E 30 17	E 20 5	
NOVEMBER	NNE 20 25	NE 35 25	NE 40 25	NE 35 25	NE 35 25	ENE 22 7	SSW 25 14	SSW 20 15	WSW 25 16	
DECEMBER	NE 15 29	NE 35 29	NE 35 29	NE 39 29	ENE 23 26	ESE 20 21	WNW 21 9	ENE 16 28	WSW 17 9	

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

Station opened first of July.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

MACOMB STATION 1957	TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	1230	ENE 5	ENE 22	ENE 26	E 29	E 29	E 28	ESE 27	ESE 22	E 21	NE 16	NNE 12	WNW 10
	1830	E 11	ENE 17	E 21	E 23	E 22	ESE 23	E 22	E 23	E 22	S 14	SE 10	
FEBRUARY	1230	NE 3	E 16	E 18	E 17	SE 13	ESE 12	ENE 10	ESE 11	NE 12	N 13	N 15	W 12
	1830	S 14	SE 14	SSE 13	ENE 13	ENE 12	ENE 12	NE 12	NE 11	SE 10	N 7	NNW 9	WNW 10
MARCH	1215	ENE 2	ESE 14	E 17-	ESE 18	SE 17	SE 16	ENE 16	ESE 17	SE 14	SE 11	W 14	W 16
	1830	S 16	SSE 17	SE 18	SE 15	SE 14	ESE 15	ENE 13	NE 14	ESE 14	S 14	WSW 13	WNW 14
APRIL	1230	E 4	ESE 18	SE 16	SE 17	SSE 16	NE 16	ENE 14	E 13	ESE 11	SE 9	E 10	N 8
	1815	SE 15	SE 15	SE 15	E 14	E 13	ENE 15	NNE 13	NE 12	NE 8	ESE 8	E 9	WNW 9
MAY	1230	ESE 6	SE 12	SE 15	SE 14	SE 13	SE 12	SSE 12	SE 11	SE 9	SSE 9	WSW 9	WSW 14
	1815	S 15	SSE 16	SSE 17	SSE 16	SSE 13	SE 12	ESE 9	ESE 8	WSW 9	S 9	WSW 10	
JUNE	1230	E 4	E 14	ESE 17	ESE 19	ESE 19	ESE 19	SE 18	SE 16	SE 16	ESE 16	S 9	
	1815	SE 14	SE 16	SE 19	E 17	ENE 19	E 20	E 19	ENE 17	ESE 17	SE 15	E 14	E 11
JULY	1230	E 5	E 15	E 18	E 20	ESE 22	ESE 23	ESE 23	ESE 21	ESE 21	SE 16	SE 12	
	1800	SE 16	SE 15	ESE 16	E 26	ENE 17	ENE 17	ENE 17	ENE 19	ESE 20	SSE 19		
AUGUST	1245	NE 6	ENE 17	E 18	ESE 20	ESE 21	ESE 20	SE 19	E 20	ESE 20	ESE 15	E 14	E 10
	1815	SE 15	SE 14	ESE 14	ENE 16	E 16	E 16	ESE 15	ESE 14	E 16	ESE 15	E 11	E 11
SEPTEMBER	1230	NE 4	NE 11	ENE 19	ENE 13	E 13	E 13	ENE 14	ENE 14	ENE 13	E 14	ENE 13	ESE 12
	1745	S 15	SSE 11	SE 10	ESE 10	ENE 10	E 10	E 9	ENE 9	NE 10	E 10	E 10	E 10
OCTOBER	1245	NE 5	E 12	E 13	E 14	E 13	E 12	E 11	E 10	ESE 11	ESE 11	ESE 10	SW 10
	1745	S 12	SSE 11	E 11	E 12	ENE 11	ENE 11	ENE 10	E 10	ESE 8	ESE 9	ENE 6	E 11
NOVEMBER	1215	NE 3	E 12	E 12	E 11	E 11	ESE 10	ESE 10	ENE 10	ESE 10	SE 10	NSE 8	ESE 9
	1800	SSW 14	SE 9	SE 9	E 6	ENE 8	SW 8	SE 9	ENE 9	SSE 8	SSE 8	SSW 10	WSW 6
DECEMBER	1230	NE 4	ENE 23	E 20	ENE 20	E 19	ESE 16	E 14	ENE 17	ENE 15	ENE 15	E 13	S 16
	1845	ENE 10	NE 16	NE 14	ENE 14	ENE 16	ENE 16	ENE 15	ENE 16	ENE 15	Calm	S 9	
YEAR		NE 9	SE 15	E 16	E 16	E 16	ESE 15	ENE 15	ENE 14	ESE 14	ESE 12	E 11	E 11

WINDS ALOFT - HIGHEST VELOCITIES - MACON IS 1937

	Surface	1000	2000	3000	5000	6000	8000	10000	12000
	*								
JANUARY	SE 18 24	E 28 20	E 38 20	ENE 38 2	E 45 5	ESE 37 14	ESE 27 17	NE 18 29	NNE 12 31
FEBRUARY	S 17 25	ENE 23 9	E 25 10	E 27 12	E 24 12	ESE 20 28	SSW 21 25	SSW 19 14	S 20 14
MARCH	SSE 20 17	SE 30 21	ESE 31 21	E 28 4	SE 25 31	ENE 25 4	E 23 4	SSW 24 17	W 20 17
APRIL	SW 18 29	SE 27 9	SE 33 9	SE 36 9	SE 36 9	SE 26 9	SE 23 14	ESE 18 14	NNW 20 30
MAY	S 18 1	SSE 24 23	S 23 25	S 27 25	SSE 20 11	SSE 18 26	SSE 24 23	S 20 26	SSW 27 26
JUNE	E 14 7	SE 20 1	E 25 11	SE 28 27	SSE 26 1	SSE 26 1	SSE 29 1	SSE 20 22	S 11 15
JULY	SE 20 17	NE 24 31	ENE 26 30	E 26 2	ESE 36 1	SE 34 1	ESE 31 15	SSE 25 24	SE 12 25
AUGUST	SE 18 26	ENE 26 5	ESE 26 1	ESE 27 1	SSE 27 1	E 25 8	ESE 31 8	ENE 20 8	E 20 13
SEPTEMBER	SE 17 21	SSE 20 21	SSE 15 26	NE 22 21	S 19 30	ESE 35 8	ESE 30 8	NE 22 9	NE 19 9
OCTOBER	SW 27 26	E 35 14	E 27 14	E 28 14	E 20 5	E 20 5	ENE 21 3	NNE 21 3	ESE 17 7
NOVEMBER	SE 18 27	ENE 22 26	E 22 29	E 21 29	ESE 25 27	ESE 27 27	ESE 26 27	SSE 31 23	SE 30 23
DECEMBER	ENE 15 26	WSW 36 17	ENE 30 27	ENE 26 26	E 30 26	E 30 26	ENE 27 26	ESE 27 26	E 20 26

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

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

SAN JUAN STATION 1937	20th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0630	E 19	E 25	E 27	E 26	E 27	E 25	E 22	ENE 20	ENE 16	ENE 24		
	1730	E 18	E 24	E 25	E 25	E 24	ESE 24	E 23	E 18	NE 16	NNE 14	NNE 15	NNE 10
FEBRUARY	0630	SSE 8	ESE 12	E 14	ENE 13	ENE 12	ENE 10	E 12	NW 10	NW 5	W 7		
	1730	ENE 14	E 17	E 16	ENE 14	SE 10	SE 9	E 8	SE 10	SW 10	WSW 12	WSW 16	N 5
MARCH	0630	SSE 7	ESE 14	E 17	E 18	E 18	E 17	ESE 17	S 17	E 16	E 15	NNE 12	NNE 9
	1730	ENE 15	E 21	SE 18	SE 16	SE 13	SE 11	ENE 11	E 12	E 15	ESE 14	E 10	ESE 15
APRIL	0630	SE 7	ESE 14	ESE 17	ESE 15	ESE 16	ESE 13	E 12	E 13	ENE 13	NE 13	SSW 5	SW 4
	1730	E 14	E 20	ESE 19	SE 16	SE 14	ESE 11	ESE 11	NNE 9	ENE 9	NE 10	S 9	ENE 5
MAY	0630	S 5	ESE 13	SE 17	SE 18	SE 16	ESE 15	SSE 15	SSW 14	SE 13	SE 12	SW 12	W 14
	1730	SE 11	SE 17	SE 17	SE 13	SE 11	SE 11	S 11	S 11	SW 11	SW 9	SW 12	SW 12
JUNE	0630	SE 7	E 17	E 22	ESE 22	ESE 21	ESE 21	ESE 19	ESE 21	ESE 20	E 15	E 14	E 25
	1730	E 17	E 22	E 21	ESE 18	ESE 17	ESE 16	ESE 16	ESE 17	ESE 17	E 13	SE 9	SE 14
JULY	0630	SE 8	E 16	E 20	E 22	ESE 23	ESE 23	ESE 23	ESE 22	ESE 22	E 22	ESE 17	
	1730	ENE 16	E 20	E 21	E 19	ESE 19	E 17	E 18	ESE 17	ESE 18	ESE 14	ESE 14	SE 16
AUGUST	0630	ESE 7	ESE 16	E 21	E 21	E 22	E 20	ESE 20	E 19	E 16	E 16	E 6	E 9
	1730	E 13	E 17	E 18	E 17	ESE 16	ESE 17	ESE 16	ESE 14	E 15	E 13	E 12	ENE 12
SEPTEMBER	0630	SW 6	E 9	E 12	E 13	E 14	ENE 14	NE 13	NE 13	NE 12	NE 15	S 6	S 17
	1730	NNE 11	NNE 13	ENE 13	E 13	NE 11	NE 10	NE 10	NE 10	NE 10	ENE 11	NE 12	ENE 11
OCTOBER	0630	S 6	ESE 10	E 12	E 13	E 13	E 13	ESE 11	E 11	NE 10	NE 10	ENE 10	ENE 12
	1730	E 11	E 16	E 16	E 14	E 10	E 10	E 8	E 8	ENE 9	NE 10	E 10	E 10
NOVEMBER	0415	E 3	E 11	E 13	E 12	E 12	E 12	E 12	ESE 10	E 10	E 7	E 10	SW 11
	0645	S 6	SE 12	ESE 14	E 13	SE 12	SE 11	ESE 10	ESE 10	SE 9	SW 9	SW 9	W 10
	1515	E 4	SE 6	SE 6	E 6	ESE 5	SE 4	E 3	NE 4	NE 4	NW 5	NNW 6	W 6
DECEMBER	0445	SE 6	E 18	E 19	E 19	ENE 19	NE 12	ENE 11	ENE 12	ESE 10	S 9	SSW 10	S 15
	0845	S 10	E 19	E 19	ENE 19	ENE 17	ENE 15	E 14	E 14	ESE 12	NNE 11	W 12	wd6
	1500	E 13	ENE 16	ENE 17	E 16	E 14	E 13	E 15	ENE 13	ENE 12	ENE 13	W 13	ENE 20
YEAR		E 10	E 16	E 17	E 17	E 16	ESE 14	E 14	E 13	ESE 13	E 12	E 11	ENE 12

WINDS ALOFT - HIGHEST VELOCITIES - SAN JUAN 1957

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	ENE 26 9	E 37 3	E 42 3	E 39 3	ESE 40 10	ESE 38 10	E 29 17	E 29 17	E 31 17
FEBRUARY	ENE 21 21	ENE 28 8	ENE 25 8	ENE 29 9	E 34 26	E 34 26	WSW 15 6	W 19 6	WSW 24 6
MARCH	ENE 22 4	E 28 21	E 31 24	E 26 3	E 31 20	ENE 30 3	SE 30 25	ENE 21 29	ENE 20 31
APRIL	E 24 25	ESE 32 6	ESE 35 9	ESE 32 22	ESE 24 21	SSE 27 22	SE 26 16	SE 25 16	S 11 17
MAY	E 22 7	SE 34 27	SE 42 27	SSE 28 27	SE 30 22	S 35 30	S 36 28	SW 18 25	S 34 28
JUNE	E 24 30	E 28 5	E 32 20	ESE 28 21	ESE 30 2	E 32 22	E 33 29	E 30 21	E 21 28
JULY	ENE 22 24	ENE 28 24	E 30 24	E 32 19	ESE 34 19	ESE 44 1	ESE 38 1	E 37 2	E 31 18
AUGUST	ENE 22 23	ENE 27 23	ESE 36 1	ESE 34 1	E 29 10	NE 28 24	E 26 29	E 25 17	ENE 21 14
SEPTEMBER	ENE 22 6	E 25 6	E 28 7	E 26 6	ENE 34 6	ENE 28 6	ENE 37 8	NE 30 9	NE 27 19
OCTOBER	E 20 13	ENE 27 9	ENE 26 9	ESE 23 7	SSE 22 30	ENE 20 17	ENE 20 17	SSE 22 30	SSE 22 30
NOVEMBER	E 20 27	E 35 7	E 32 29	E 29 29	SSE 22 25	E 22 26	ENE 19 19	E 18 25	NE 30 7
DECEMBER	ENE 27 25	ENE 31 25	ENE 38 26	E 32 29	ENE 26 27	E 26 20	E 26 20	ENE 18 19	E 16 17

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

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

ST. JOHNS STATION	20th Year. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY													
FEBRUARY	0915	NE 8	NE 17	NE 19	ENE 19	ENE 17	E 16	ENE 13	ESE 11	ENE 11	ENE 11	ENE 12	ENW 8
	1600	NE 10	NE 18	ENE 16	ENE 15	E 11	ENE 11	ENE 10	S 8	S 9			
MARCH	0915	E 9	E 17	E 20	E 20	E 20	E 19	ENE 18	ENE 20	ENE 17	ENE 15	ENE 14	E 16
	1515	ENE 10	E 14	E 15	E 16	ESE 16	ESE 15	E 14	NNE 18	ESE 14	NE 16	ENE 11	NE 18
APRIL	0645	E 7	E 16	E 19	E 20	E 19	E 17	E 23	E 23	ENE 15	ENE 11	NE 8	NNE 13
MAY	0815	E 9	ESE 22	ENE 21	ESE 20	SE 21	SE 18	SSE 14	SSE 12	E 12	NE 11	SE 10	SE 15
JUNE	0800	E 9	E 19	E 20	E 18	E 18	E 17	E 19	ESE 18	E 17	E 19	E 12	ENE 8
JULY	0700	E 7	E 20	E 22	E 23	E 24	E 24	E 24	E 16	E 23	E 19	ENE 19	ESE 17
AUGUST	0700	E 4	E 18	E 18	E 21	E 19	E 20	E 17	E 16	E 17	ENE 13	E 12	ENE 17
	1630	E 9	E 18	E 17	ESE 18	ESE 17	ESE 14	E 14	SSE 8	SE 9	SE 8	SE 6	
SEPTEMBER	0700	NE 4	ENE 14	ENE 15	ENE 16	ENE 16	NE 16	E 14	E 13	E 14	NW 13	NW 12	NE 9
	1315	NE 10	NE 13	NE 13	NE 14	N 12	N 12	N 15	ESE 18	NNE 12	ESE 18	ESE 7	WNW 7
OCTOBER	0930	E 3	ENE 13	E 14	E 14	ENE 14	ENE 12	E 10	ESE 10	ENW 8	E 9	NNW 9	NNW 10
NOVEMBER	0445	E 6	E 15	E 16	E 16	E 16	E 15	E 11	ENE 9	ENE 8	ESE 7	S 7	S 8
DECEMBER	0615	ENE 9	ENE 21	ENE 22	ENE 21	E 21	ENE 21	ENE 18	NE 14	ENE 11	ENE 13	N 11	ESE 5
	1115	ENE 16	ENE 19	ENE 24	ENE 26	ENE 26	E 24	E 24	ENE 22	ENE 25			
YEAR		E 8	E 17	E 18	E 19	E 18	E 17	E 16	ENE 15	ENE 14	ENE 12	ENE 11	ENE 12

WINDS ALOFT - HIGHEST VELOCITIES - ST. JOHNS - 1937

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY									
FEBRUARY	NNE 12 22	SSE 27 22	ENE 29 22	ENE 27 23	ENE 27 23	ENE 24 23	ENE 15 23	ENE 13 26	ESE 19 26
MARCH	E 20 1	E 27 1	SE 33 14	ENE 29 4	ENE 28 4	ENE 31 4	NW 34 30	NE 25 30	ENE 24 18
APRIL	E 10 23	E 27 23	ESE 32 12	E 27 15	E 32 15	E 31 15	NNE 30 1	NE 22 1	ENE 16 10
MAY	SE 16 21	E 44 6	E 32 6	ENE 27 20	ENE 25 18	SSE 22 28	SSE 25 28	SSE 25 28	SE 27 28
JUNE	E 12 28	E 26 26	E 25 28	E 25 21	E 24 17	ENE 26 17	ENE 28 28	ESE 13 6	ENE 10 7
JULY	NE 14 6	E 34 10	E 32 19	E 36 19	E 42 19	E 42 19	ESE30 17	E 30 15	SSE 22 22
AUGUST	E 12 9	E 34 6	E 28 22	E 31 22	E 31 27	E 31 23	E 32 7	ENE 22 22	E 20 5
SEPTEMBER	ENE 14 7	ENE 37 7	ENE 36 7	ENE 32 7	ENE 38 6	ENE 40 7	ENE 34 7	ENE 38 7	ENE 29 5
OCTOBER	ENE 10 18	ENE 26 17	E 31 17	ENE 25 18	ENE 25 17	E 22 6	NNW 17 27	NNW 12 27	NNW 15 27
NOVEMBER	NE 20 28	ESE 31 22	ESE 36 22	ESE 35 22	E 32 28	SE 28 22	ESE 17 22	NE 20 24	ENE 17 24
DECEMBER	ENE 20 20	NE 35 26	ENE 31 23	ENE 30 27	ENE 33 20	E 36 27	ENE 25 20	ENE 29 20	ENE 20 16

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

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

PORT CASTRIES STATION	60th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY													
FEBRUARY	0800	E 12	E 14	E 17	E 20	E 17	E 16	E 15	NE 20	ENE 20	E 14	ENE 12	NW 18
	1530	NE 15	E 19	ENE 21	ENE 21	ENE 17	ENE 16	ESE 21	E 21				
MARCH	0815	ENE 15	E 20	E 25	E 25	ENE 20	ENE 20	E 19	E 20	ENE 18	ENE 14	ENE 9	N 9
	1515	E 15	E 15	E 16	E 20	ESE 16	ESE 16	SE 17	ENE 17	ESE 22	NE 10	NE 9	
APRIL	0815	E 14	E 20	E 20	E 19	E 16	E 18	E 13	E 10	E 12	NE 14	ENE 10	NNE 10
	1630	E 12	E 18	E 19	E 19	ESE 18	E 17	E 11	ESE 9	E 14	E 18	E 9	E 8
MAY	0945	E 11	E 16	E 16	ESE 19	E 21	E 25	ESE 20	SE 19	SE 8	NNW 12	W 15	SSW 11
JUNE	0800	E 13	E 19	E 22	E 22	E 22	E 21	E 22	ESE 25	ENE 20	E 21		
JULY	0845	E 10	E 16	E 19	E 22	E 23	E 23	E 21	E 19	E 21	ESE 19	ESE 22	E 18
AUGUST	0830	E 7	E 15	E 19	E 20	E 20	E 19	E 19	E 20	E 20	ESE 14	E 16	E 14
	1515	E 11	E 15	E 15	E 19	E 18	E 18	E 17	SE 16	SE 14	SSE 17	SSE 14	SE 12
SEPTEMBER	0715	E 5	E 10	E 13	E 13	E 14	ESE 14	ENE 14	ENE 13	ENE 14	E 13	WSW 12	SW 11
	1515	ENE 8	ENE 10	ENE 10	NE 11	NE 9	ENE 8	E 7	W 8	WSW 9	WSW 8		
OCTOBER	0615	ENE 6	ENE 11	E 13	ESE 13	ENE 10	ENE 10	E 9	E 8	SE 7	ENE 7	NE 6	NNE 4
NOVEMBER													
DECEMBER													
YEAR		E 11	E 15	E 18	E 19	E 17	E 17	E 16	E 16	E 15	E 14	ENE 12	E 12

WINDS ALOFT - HIGHEST VELOCITIES - FORT CASTRIES 1937

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY									
FEBRUARY	ENE 22 11	E 27 11	ENE 25 14	NE 30 12	NE 23 12	E 23 16	E 28 14	E 19 12	ENE 13 18
MARCH	E 26 23	E 41 23	E 50 25	E 38 9	ENE 29 4	ENE 31 18	ENE 36 19	E 21 1	ENE 10 29
APRIL	E 21 16	ESE 38 18	ESE 37 18	E 29 16	ESE 29 9	ESE 29 9	ENE 30 19	E 24 15	E 14 20
MAY	E 14 28	E 20 28	E 22 7	E 29 7	SE 29 21	ESE 24 21	SE 15 10	WNW 13 14	W 15 14
JUNE	E 20 15	E 28 15	ESE 31 18	E 30 17	ESE 30 16	ESE 27 26	ESE 30 26	ENE 38 28	
JULY	ENE 26 2	ENE 36 2	E 27 19	ENE 33 18	E 36 3	ENE 33 15	E 34 28	E 25 26	ESE 30 23
AUGUST	ENE 22 7	ENE 22 7	E 22 8	E 24 1	E 27 15	E 30 1	E 32 1	E 20 30	ENE 32 20
SEPTEMBER	SW 14 14	E 18 6	NE 28 8	NE 32 8	NE 30 8	ESE 25 3	NE 26 21	ESE 26 29	NE 24 8
OCTOBER	ENE 14 17	ENE 23 17	ESE 25 6	ENE 24 17	E 20 6	E 19 6	WNW 14 24	ESE 14 6	NE 10 5
NOVEMBER									
DECEMBER									

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

From February to October, 1937 inclusive.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

FORT DE FRANCE STATION	G.C.T. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY													
FEBRUARY													
MARCH													
APRIL													
MAY													
JUNE													
JULY													
AUGUST													
SEPTEMBER													
OCTOBER													
NOVEMBER													
DECEMBER	1215	ENE 3	ENE 23	ENE 23	E 26	E 24	E 20	E 19	ENE 16	NE 16	ENE 14	E 13	

Station opened first of December.

WIND DRAFT - HIGHEST VELOCITIES - FORT DE FRANCE 1957

	Surface	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY									
FEBRUARY									
MARCH									
APRIL									
MAY									
JUNE									
JULY									
AUGUST									
SEPTEMBER									
OCTOBER									
NOVEMBER									
DECEMBER	ENE 8 27	ENE 38 27	ENE 38 25	ENE 39 24	E 38 27	E 27 28	E 18 30	ENE 22 20	E 24 20

Date below velocity

Station opened first of December.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

BONT OF SPAIN STATION 1937	60th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0645	NE 2	NNE 13	NE 14	ENE 16	ENE 17	ENE 15	E 16	ENE 14	ENE 11	ENE 14	ENE 12	ENE 11
FEBRUARY	0745	NNE 1	NNE 10	ENE 13	E 19	E 18	E 19	E 17	NNE 15	NNE 16	E 21	E 13	ESE 12
MARCH	0630	ENE 1	ENE 9	ENE 12	E 21	E 20	ENE 18	ENE 13	ENE 10	SE 12	ESE 11	ENE 11	SE 7
	1300	ESE 11	ESE 14	E 14	E 13	E 16	E 15	E 17	E 22	E 14	ESE 11	ESE 17	ESE 13
APRIL	0615	SE 2	E 9	E 13	E 19	E 17	E 14	E 12	E 11	ESE 16	ESE 11	SSE 13	S 11
	1230	SE 10	ESE 10	ESE 11	E 12	ESE 10	ESE 8	ESE 7	S 9	SW 6	S 6	ENE 10	ENE 4
MAY	0630	SE 4	ENE 13	E 12	E 18	ENE 18	E 18	ESE 14	ESE 15	ESE 17	ESE 15	ESE 17	ESE 25
	1315	SE 13	ESE 17	ESE 15	E 15	E 15	ESE 18	ESE 19	ESE 20	ESE 15	SSW 7	SSE 6	SSW 6
JUNE	0730	ESE 6	ESE 13	ENE 13	ENE 13	ESE 15	E 21	E 22	ENE 25	E 16	E 29	E 24	
JULY	0800	SE 2	ENE 8	ESE 9	E 11	E 16	ESE 15	SE 15	ESE 17	E 15	ESE 15	SSE 20	ESE 20
AUGUST	0700	E 1	NNE 7	E 9	E 19	E 20	E 19	ESE 17	ESE 17	ESE 15	E 17	E 17	ESE 18
	1420	ESE 2	E 8	E 9	ESE 9	SE 13	SE 14	ESE 15	ESE 13	ESE 11	ESE 12	E 22	NE 15
SEPTEMBER	0645	SE 3	ESE 11	ESE 13	SE 13	SE 11	SE 12	SSE 10	SSE 10	ENE 10	NNE 11	ESE 12	S 10
	1515	SE 5	ESE 9	E 8	E 12	ESE 10	ESE 9	E 10	E 10	E 9	NNE 11	NE 8	NE 10
OCTOBER	0500	S 2	E 9	ESE 9	ENE 11	SE 7	SSE 7	SE 9	SE 8	E 10	E 11	ESE 11	E 7
	0930	SE 2	ESE 8	ESE 10	ESE 12	SE 11	ESE 12	E 10	E 11	E 12	E 11	E 13	E 22
	1400	N 4	N 7	ENE 8	ESE 6	SSE 6	SSE 7	SSE 7	SE 6	SSE 7	SE 12	SE 15	
NOVEMBER	0530	ESE 2	ESE 9	ESE 12	E 13	E 11	E 11	E 12	E 10	E 12	E 12	E 13	ESE 15
	0745	SE 2	E 6	E 12	E 16	SE 15	SE 13	ESE 12	E 11	E 12	ENE 13	E 14	ENE 14
	1230	ESE 2	ESE 11	ESE 13	SE 12	SE 10	SE 10	SE 14	ESE 11	ESE 12	E 14	E 15	
DECEMBER	0545	ENE 6	NE 10	ENE 11	NE 19	NE 20	ENE 17	ENE 14	ENE 8	ENE 11	ENE 19	ENE 17	
	0745	SE 2	ESE 11	ESE 14	ENE 17	E 15	ESE 12	E 10	E 9	E 9	ENE 12	ENE 13	ESE 11
	1345	E 2	NE 10	NE 8	E 8	E 11	E 12	E 11	ENE 12	ENE 5	E 8	E 8	
YEAR		SE 4	ESE 10	ESE 11	E 14	E 14	E 14	E 13	ESE 13	E 12	E 13	E 14	ESE 13

WINDS ALOFT - HIGHEST VELOCITIES - PORT OF SPAIN 1957

	Surface *	1000	2000	3000	4000	6000	8000	10000	12000
JANUARY	NE 6 6	ENE 28 4	ESE 18 22	ESE 24 12	ENE 31 21	E 24 12	ENE 16 18	E 21 4	ENE 14 6
FEBRUARY	SSW 5 5	ENE 18 5	NE 20 1	E 23 5	E 28 8	ESE 31 8	E 35 6	E 46 5	E 19 15
MARCH	ESE 24 17	ENE 29 25	ESE 33 12	E 25 25	NE 27 4	ESE 23 12	ENE 26 22	ENE 20 23	ESE 17 10
APRIL	ESE 16 16	ESE 17 9	E 22 16	E 20 27	ENE 20 11	E 16 20	ESE 23 26	S 14 19	SSE 14 19
MAY	SE 20 28	ESE 36 30	ESE 30 28	ESE 33 23	E 32 31	E 40 31	ENE 32 31	ESE 28 26	ESE 30 28
JUNE	ESE 16 2	ESE 26 2	ESE 21 2	ENE 16 1	ENE 29 1	ENE 29 1	E 16 1	E 29 1	E 24 1
JULY	SE 12 18	ENE 25 19	ESE 30 19	ENE 20 25	E 25 23	E 25 23	E 25 23	ESE 20 28	ESE 22 26
AUGUST	SE 5 21	ENE 20 9	ESE 25 24	E 22 7	E 30 7	E 30 7	E 19 7	ENE 20 23	E 22 15
SEPTEMBER	SE 15 11	ESE 19 9	ESE 21 9	SE 22 29	SE 30 29	ENE 17 12	ESE 16 9	SE 21 9	ENE 20 21
OCTOBER	SSE 15 16	ESE 26 20	ESE 22 20	E 20 15	SE 16 15	SE 15 18	E 33 1	E 25 1	E 30 1
NOVEMBER	ESE 8 17	NNE 20 7	NE 38 19	NNE 25 7	NE 23 16	NE 35 19	NE 20 8	E 21 23	E 30 23
DECEMBER	ENE 12 9	ESE 16 6	ESE 25 6	ESE 33 5	ESE 25 6	ENE 29 21	ENE 17 28	ENE 20 28	ENE 17 28

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

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

GEORGETOWN STATION 1937	30th Mar. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY													
FEBRUARY	0645	ENE 9	ENE 16	ENE 16	ENE 19	ENE 24	ENE 25	ENE 37	E 15				
	1215	NE 18	NE 21	ENE 15	ENE 12	E 8	N 6						
MARCH	0615	ENE 16	ENE 19	ENE 20	ENE 20	ENE 18	ENE 18	ENE 14	E 16	E 14	E 12	ENE 10	
	1400	NE 16	NE 16	NE 18	ENE 12	ENE 17	E 18	E 20	E 25				
APRIL	0730	ENE 12	ENE 17	ENE 16	ENE 18	ENE 17	E 16	E 13	N 15	NE 15	E 14	NE 15	
	1330	ENE 13	ENE 14	ENE 16	NE 13								
MAY	0700	ENE 13	ENE 17	ENE 21	E 19	E 18	E 18	E 21	ESE 16	ESE 22	E 17	ENE 11	E 15
	1345	ENE 16	ENE 18	E 16	E 18	ESE 18	ESE 19	E 24	E 33	E 40	E 39		
JUNE	0200	ENE 10	ENE 13	ENE 12	ENE 15	E 14	E 15	E 14	ESE 18	E 26	E 26	NE 41	
JULY	0630	E 9	ESE 7	E 12	ESE 12	ESE 13	ESE 11	ESE 13	E 14	E 20	E 26	E 22	NE 9
	1230	NE 12	NE 10	ENE 11	ENE 10	ENE 7	E 9	E 11	ENE 16	ENE 16	ENE 37		
AUGUST	0630	SSW 5	SE 8	ESE 11	ESE 11	E 11	E 10	E 11	ESE 14	ESE 15	ESE 16	E 15	ESE 12
SEPTEMBER	0630	E 11	E 10	E 11	ESE 9	SE 10	SE 8	E 8	E 9	E 9	E 10	E 9	E 12
OCTOBER	0645	E 11	E 10	ESE 12	E 10	SE 8	SE 9	ESE 8	ES E10	E 14	E 20		
NOVEMBER	0630	ESE 16	E 13	E 13	E 12	E 8	E 9	E 11	E 13	ESE 14	ESE 11	E 11	E 13
DECEMBER	0630	ENE 12	ENE 11	E 12	E 13	ENE 15	ENE 14	E 12	NE 14	NE 16	NE 15	ENE 14	ENE 14
YEAR		ENE 12	ENE 14	ENE 14	ENE 14	ENE 14	E 14	E 16	E 16	E 18	E 20	E 15	E 12

WINDS ALOFT - HIGHEST VELOCITIES - GREAGHTON 1957

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY									
FEBRUARY	NE 27 24	ENE 26 24	ENE 20 9	ENE 24 9	ENE 35 9	ENE 37 9			
MARCH	ENE 21 23	ENE 26 16	NE 30 16	NE 27 2	ENE 23 13	ENE 20 9	ESE 24 20	E 14 23	ENE 10 23
APRIL	ENE 19 9	NE 25 14	NE 27 14	E 23 27	NE 27 38	E 19 9	NE 19 6	E 14 6	NE 5 6
MAY	E 28 26	ENE 24 30	E 25 23	E 23 15	E 26 15	E 28 30	E 40 20	E 39 30	ENE 11 18
JUNE	ENE 20 6	ENE 23 6	ENE 20 8	ENE 26 8	ENE 22 8	ESE 20 2	E 38 2	NNE 39 2	NE 41 2
JULY	NE 24 11	NE 21 10	S 18 27	S 20 27	E 18 10	E 21 10	E 30 10	ENE 37 10	E 28 20
AUGUST	ENE 10 8	ESE 17 4	ESE 19 4	ESE 26 4	E 25 10	ESE 21 24	E 26 10	ESE 30 24	ENE 22 17
SEPTEMBER	E 24 11	E 19 11	E 18 11	ESE 12 7	SSE 12 17	SSE 18 17	E 13 7	ENE 17 17	E 11 18
OCTOBER	ESE 26 12	E 24 19	ESE 24 12	ESE 27 12	SE 14 12	ESE 16 16	ENE 14 8	E 20 2	
NOVEMBER	E 25 5	ENE 32 22	E 29 22	ESE 28 22	ESE 20 13	SE 24 13	ESE 28 13	ENE 30 13	E 18 20
DECEMBER	ENE 20 31	ENE 21 31	E 22 31	E 20 7	SE 20 25	ESE 16 7	ESE 26 7	NE 23 24	ENE 21 24

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

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

CAYENNE STATION 1957	90th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY													
FEBRUARY	0945	NE 18	NE 18	NE 22	NE 22	NE 20	NE 21	NE 19	NE 25	E 20			
	1800	NE 15	N E 14	NE 18	NE 17	NE 16	E 16	ESE 12	ESE 9	ESE 13			
MARCH	1000	NE 18	NE 22	NE 25	NE 25	ENE 17	NE 17	ENE 10					
	1400	NE 16	NNE 25	NE 26	ENE 22	ENE 19	ENE 21						
APRIL	1000	NE 16	ENE 16	ENE 14	ENE 16	NE 10	ENE 9	ENE 7	E 6	W 5	WSW 8		
MAY	0930	NE 19	ENE 19	ENE 21	ENE 22	E 20	E 21	ENE 19	E 16	E 19			
	1315	NE 11	ENE 14	E 18	E 13	E 17	ESE 14	ESE 15	E 16	E 17	ESE 17	E 17	ESE 16
JUNE	0930	ENE 10	E 10	E 10	E 14	ESE 16	ENE 12	E 13	E 11	E 7			
	1430	E 8	E 12	E 13	E 15	E 17	E 18	E 17	E 16	E 18	ENE 19	ENE 13	E 9
JULY	1400	E 10	E 10	E 11	ESE 14	ESE 17	ENE 17	ES E 18	ESE 18	E 16	E 15	E 16	E 16
AUGUST	0945	SSE 3	SE 7	SE 9	SE 12	SE 14	ESE 12	ESE 9	SE 8	SE 10	ESE 16	E 17	ESE 20
	1400	E 10	E 11	E 12	SE 12	ESE 12	SSE 13	SE 11	ESE 9	ESE 12	E 11	E 17	E 15
SEPTEMBER	0930	ESE 6	SE 9	ESE 11	ESE 14	E 17	E 22	ESE 16	ESE 16	ENE 16	E 19	ENE 18	ENE 19
	1330	E 12	E 14	ESE 13	ESE 15	SE 16	SE 18	SE 21	ESE 18	SE 17	ESE 14	ESE 14	E 8
OCTOBER	0945	SE 7	SE 9	SE 9	ESE 13	ESE 14	ESE 15	ESE 15	ESE 14	E 14	E 14	ESE 18	E 11
	1315	E 7	E 10	ESE 10	ESE 12	SSE 13	SSE 13	S 12	SE 13	SE 15	ESE 14	ESE 16	ESE 15
NOVEMBER	0745	E 10	ESE 10	ESE 11	SE 11	ESE 13	E 14	ESE 14	E 13	E 12	ENE 11	ESE 10	ENE 5
	1415	E 12	E 12	E 12	ESE 13	SE 14	SE 15	SE 15	ESE 16	ESE 14	E 15	E 13	E 10
DECEMBER	0830	ENE 9	ENE 10	ENE 12	ENE 14	ENE 14	ENE 14	ENE 14	E 12	ESE 9	SSE 12	ENE 10	E 12
	1300	NE 10	ENE 11	ENE 10	E 13	E 13	E 12	ESE 12	ESE 12	ESE 17	ENE 14	ESE 12	ENE 13
YEAR		NE 11	E 13	E 14	ESE 15	E 15	E 16	ESE 14	ESE 14	E 14	E 14	E 14	E 13

WINDS ALOFT - HIGHEST VELOCITIES - CAYENNE 1937

	Surface *	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY									
FEBRUARY	NE 25 28	NE 25 28	NNE 30 25	NNE 35 25	N E 34 21	NE 30 21	N 20 25		
MARCH	NE 30 6	N E 31 15	NE 39 15	NE 30 12	NNE 30 16	NNE 10 22			
APRIL	NE 25 5	ENE 21 7	NE 20 5	NE 20 5	ENE 11 7	ENE 10 7	W 5 2	WSW 8 2	
MAY	ENE 21 6	ENE 29 10	ENE 33 10	ENE 25 5	SSE 34 17	ENE 20 9	E 22 27	ESE 24 25	E 24 25
JUNE	ENE 17 28	E 18 26	E 26 23	E 25 23	E 27 23	E 25 23	E 22 23	ENE 30 29	ENE 16 11
JULY	E 20 15	ESE 25 15	ESE 22 15	SE 20 6	ESE 25 26	ESE 29 26	ESE 24 26	E 21 27	E 21 10
AUGUST	E 21 2	E 20 3	E 20 2	E 20 2	SSE 23 24	SE 25 25	SE 15 28	ESE 25 28	E 24 26
SEPTEMBER	E 20 6	E 21 16	ESE 20 16	ESE 28 22	SE 30 26	SE 40 22	SSE 36 22	ESE 25 7	ENE 32 25
OCTOBER	E 11 18	E 20 16	E 20 18	ESE 20 24	SSE 21 11	ESE 24 20	SE 35 18	ENE 21 20	ESE 24 2
NOVEMBER	SE 20 1	ENE 18 25	ESE 29 27	ENE 25 27	SE 30 12	SE 30 12	ESE 24 30	E 24 18	E 29 18
DECEMBER	NE 16 31	ENE 20 31	ENE 22 31	ESE 25 5	ESE 20 22	SE 25 5	ESE 30 6	SSE 30 5	E 20 6

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

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

SAN JULIAN STATION 1997	75th Mer's TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0900	E 14	E 23	ESE 23	ESE 24	ESE 20	ESE 20	E 17	E 16	SE 13	SE 13	ESE 10	
FEBRUARY	0915	E 8	E 20	E 23	ENE 16	SSE 11	SSW 9	S 7	SSE 8	WSW 8	WSW 5	NNE 7	
MARCH	0915	E 5	SE 17	E 16	SSE 13	SSE 12	SSE 13	SSE 11	SSE 9	SSE 10	NW 12	W 14	WNW 10
APRIL	0900	E 11	ESE 20	SE 20	SE 16	SSE 15	SSE 15	SSE 14	SSE 12	SSW 12	WSW 14	W 14	WNW 16
MAY	0915	E 7	E 14	E 12	SE 11	SE 11	ESE 9	E 10	E 11	E 12	ESE 12		
JUNE	0900	E 8	E 16	E 18	SE 16	SE 14	SE 14	E 12	ESE 11	E 10	ESE 12	E 9	
JULY	0745	ENE 7	E 17	E 18	ESE 16	SE 16	ESE 17	ESE 18	ESE 17	ESE 15	SE 14	E 14	
AUGUST	0745	ENE 4	E 14	E 14	E 11	E 9	E 9	E 8	ESE 9	E 9	E 9	ESE 9	
SEPTEMBER	0745	ENE 3	E 15	E 15	ESE 14	SE 12	SE 11	SE 11	ESE 10	ESE 10	SE 10	ESE 10	
OCTOBER	0730	ENE 5	E 18	E 19	E 16	E 14	E 14	NE 12	E 11	E 13	ESE 16	ESE 13	
NOVEMBER	0800	ENE 6	NNE 20	NNE 23	NE 21	NE 18	NE 16	NE 13	NNE 13	NNE 14	NE 12	WNW 14	
DECEMBER	0800	E 9	E 22	E 24	E 20	E 18	ENE 17	ENE 16	N 14	E 17	N 21	W 25	
YEAR		E 7	E 18	E 19	ESE 16	SE 14	ESE 14	E 12	ESE 12	E 12	ESE 12	ESE 12	WNW 13

WINDS ALOFT - HIGHEST VELOCITIES - SAN JULIAN 1957

	Surface *	1000	2000	3000	5000	6000	8000	10000	11250000
JANUARY	E 32 3	E 36 9	E 36 7	ESE 32 5	E 34 7	E 35 7	ESE 22 7	SSE 20 5	ESE 14 7
FEBRUARY	E 16 27	E 34 27	ESE 35 27	SSE 26 29	SSW 20 20	SSE 22 20	WNW 20 11	WNW 12 4	W 15 4
MARCH	E 14 4	E 32 4	E 36 4	E 20 4	SSE 20 24	S 22 25	W 16 11	WSW 20 11	WSW 25 11
APRIL	E 16 13	ENE 35 14	E 32 13	S 28 5	S 28 5	S 28 5	SSW 25 21	SW 28 21	SSW 24 15
MAY	S 12 24	E 20 24	E 22 26	SE 20 5	E 25 21	ESE 20 28	SW 18 5	WNW 22 15	WSW 25 15
JUNE	E 12 11	E 26 21	E 28 12	SE 26 21	SE 26 7	ESE 26 10	SE 16 21	ENE 24 9	E 19 11
JULY	E 16 3	E 30 5	SSE 32 2	SSE 35 2	SSE 38 2	SSE 42 2	SSE 40 2	SSE 34 2	E 32 12
AUGUST	E 16 21	E 25 9	E 25 9	E 20 21	E 19 20	E 20 20	E 22 20	NE 20 16	ENE 22 16
SEPTEMBER	WSW 12 13	E 24 8	ENE 30 24	ENE 35 24	SE 20 16	SE 27 18	SSE 22 20	ESE 20 1	ESE 20 8
OCTOBER	ENE 18 8	NNW 35 23	NNW 37 23	E 25 8	NNE 20 29	S 23 4	ENE 25 7	W 32 25	WSW 32 25
NOVEMBER	NNE 16 4	E 38 24	E 48 24	W 35 12	WSW 35 12	SW 20 12	WSW 25 12	WNW 30 17	ENE 28 6
DECEMBER	E18 16	ENE 32 29	ENE 32 29	E 35 29	ENE 30 30	NW 30 11	E 30 29	N 37 11	N 35 11

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

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

KINGSTON STATION 1937	79th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	0815	WSW 4	ESE 7	ESE 10	E 20	E 23	E 25	ESE 26	E 25	E 22	E 16	E 16	E 15
	1245	SE 6	W 9	WNW 9	E 12	E 19	E 21	E 25	E 23	ESE 24	E 11	E 13	ENE 10
FEBRUARY	0900	WSW 4	ESE 7	ESE 7	ESE 10	ESE 13	ESE 14	ESE 15	ESE 14	SE 11	ENE 11	SSW 11	SSW 10
	1345	SE 8	SE 12	E 10	ESE 8	E 8	SE 11	ENE 11	ENE 12	E 16	E 12	ENE 18	NE 6
MARCH	0800	ESE 2	ESE 7	ESE 8	E 12	E 15	E 16	ESE 15	ESE 14	ESE 12	ESE 12	NE 11	W 18
	1230	ESE 8	SE 12	SE 13	ESE 11	ESE 12	ESE 14	E 14	E 10	ENE 11	E 8	ESE 5	SW 5
APRIL	0908	ESE 5	ESE 8	ESE 10	ESE 13	E 16	E 16	ESE 17	ESE 14	ESE 11	ESE 10	ENE 9	SSE 8
	1215	ESE 11	SE 16	SE 16	ESE 14	E 12	E 11	ENE 12	E 9	ESE 11	ESE 12	NW 11	NW 10
MAY	0830	SE 3	ESE 7	ESE 9	ESE 11	ESE 13	ESE 12	ESE 12	ESE 10	SE 11	S 10	ESE 9	N 8
	1215	ESE 7	SE 15	SE 13	SE 12	SE 12	SE 13	SE 10	S 9	SSE 13	S 14	S 10	WSW 22
JUNE	0800	ESE 7	E 14	E 16	ESE 23	ESE 27	ESE 28	ESE 28	ESE 24	ESE 21	ESE 16	E 15	ENE 10
	1145	ESE 12	ESE 19	ESE 22	ESE 25	E 29	ESE 23	E 24	ESE 20	ESE 16	ESE 18	SE 15	ESE 13
JULY	0800	ESE 5	ESE 10	E 13	E 19	E 26	E 27	E 29	E 26	E 23	E 20	E 15	E 11
	1215	ESE 13	ESE 19	ESE 18	E 16	ESE 18	E 17	E 20	E 21	E 20	E 19	ESE 18	ESE 17
AUGUST	1215	SE 2	ESE 7	ESE 9	E 16	E 21	ESE 22	E 22	ESE 20	ESE 20	E 16	E 12	E 12
	1615	ESE 10	ESE 17	ESE 14	E 12	ENE 13	ENE 16	E 15	E 17	E 17	E 19	E 16	E 17
SEPTEMBER	1315	SSE 1	SE 5	ESE 6	ESE 10	E 14	E 16	ENE 15	ESE 14	E 12	ESE 12	SE 10	SE 12
	1715	ESE 5	SSE 8	SSE 7	ESE 6	ESE 6	E 9	ESE 9	SE 9	ESE 8	ENE 10	E 13	
OCTOBER	0815	ESE 2	SE 7	ESE 8	E 13	E 14	ESE 15	ESE 14	ESE 13	E 11	SE 10	E 10	ESE 9
	1130	ESE 9	ESE 13	ESE 13	ESE 14	E 15	E 16	SE 16	ESE 17	ESE 19	ESE 18	E 18	ENE 13
NOVEMBER	1200	SE 6	ESE 9	ESE 9	E 9	E 11	E 11	E 14	ESE 14	ESE 14	E 12	SSE 11	SE 10
	0815	NNW 2	NW 6	ESE 8	E 11	ESE 13	ESE 14	ESE 14	E 13	E 13	SE 12	S 12	SSW 20
DECEMBER	0800	ESE 1	NW 3	NW 3	E 6	E 11	E 12	ESE 13	E 13	ESE 13	E 11	E 11	W 13
	1200	ESE 4	W 8	WNW 6	ESE 7	ENE 8	E 10	E 11	E 15	E 14	ENE 13	E 15	
YEAR		ESE 6	ESE 10	ESE 11	ESE 13	E 16	E 16	ESE 17	ESE 16	ESE 15	E 13	E 13	ESE 12

WINDS ALOFT - HIGHEST VELOCITIES - KINGSTON 1957

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	E 14 25	ESE 35 19	ESE 30 25	E 45 19	E 41 19	ESE 32 19	ENE 35 9	E 30 9	ENE 25 8
FEBRUARY	E 16 25	SE 25 25	ESE 25 13	ESE 26 28	ESE 30 28	ESE 27 28	ESE 24 27	NE 21 5	SSW 22 25
MARCH	ESE 12 9	SE 25 30	ESE 28 25	ESE 27 5	SE 32 31	SE 37 31	ENE 20 10	W 20 14	WSW 28 14
APRIL	ESE 18 7	E 27 4	E 32 4	ESE 32 4	ESE 30 4	ESE 35 4	ESE 22 11	E 21 17	NW 16 24
MAY	SE 12 6	E 21 23	ESE 28 13	ESE 40 23	ESE 29 23	SE 30 23	SE 30 23	NNW 30 25	SE 16 9
JUNE	ESE 18 20	ESE 30 2	ESE 35 30	ESE 45 29	SE 45 1	SE 30 1	ESE 40 27	E 30 20	ESE 30 29
JULY	SE 20 25	SE 35 17	ESE 35 17	ENE 40 1	ESE 35 20	ESE 35 20	ESE 40 29	E 35 22	SE 30 20
AUGUST	ESE 15 3	ESE 36 3	ESE 28 14	E 30 14	ESE 37 19	ESE 38 20	E 30 25	E 31 24	ENE 28 25
SEPTEMBER	NW 12 1	ESE 20 30	SE 25 30	ESE 32 7	ESE 35 7	ESE 31 2	NSE 34 6	ENE 38 8	ESE 28 29
OCTOBER	ESE 14 22	ESE 27 1	ESE 30 1	SE 24 2	SE 28 2	SE 29 2	SSE 32 2	SSE 23 2	WSW 22 23
NOVEMBER	NW 25 35	NW 25 20	ESE 25 25	E 30 35	E 25 27	E 29 27	ESE 24 19	SW 27 15	WSW 20 15
DECEMBER	ESE 12 5	ESE 24 18	ESE 26 18	ESE 34 18	ESE 27 19	ESE 35 28	ENE 28 20	ENE 35 20	E 30 22

Date below velocity.
Highest underscored.
*At the time free wind aloft observation only.

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

BARRANQUILLA STATION 1957	75th Mer. TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
JANUARY	1345	ENE 14	ENE 16	NE 10	WNW 6	SSW 8	WSW 7	SSW 6	SSW 6	SSE 12	ESE 9	E 9	
FEBRUARY	0700	E 10	E 17	SE 14	SSE 10	SSW 6	SSW 6	SE 3	SE 7	SE 8	E 11	ESE 15	
	1345	ENE 15	ENE 19	NE 11	ENE 6	SSW 8	SW 8	SW 6	SE 5	E 8	E 10	E 12	
MARCH	0730	ENE 10	ENE 22	E 17	E 5	SSE 5	SSE 3	ESE 6	E 14	E 18	ENE 11	NE 6	
	1330	ENE 15	ENE 18	ENE 9	E 5	NNE 6	SSE 6	SSE 5	S 7	E 7	SSE 9	ESE 18	
APRIL	0700	ENE 7	E 14	E 8	WSW 7	S 7	S 7	S 5	SE 3	ENE 7	SE 4	E 5	
	1315	ENE 13	NE 18	NNE 14	S 9	SSW 6	S 5	WSW 5	NE 7	SSE 9	ESE 7	E 8	
MAY	1315	ENE 11	NE 15	NNE 10	SSW 8	S 9	SSW 6	SSW 7	SSE 8	SSW 10	SSE 12	SSE 9	
JUNE	0630	E 6	E 12	ESE 12	SE 9	W 6	WNW 9	S 12	S 12	SSE 8	NE 10	SE 9	
	1315	ENE 10	ENE 10	ENE 7	SSW 3	SW 8	S 9	S 9	S 10	SE 8	ESE 7	SE 9	
JULY	0645	ENE 5	E 11	ESE 10	SSE 7	SW 6	SW 6	SSW 9	NNW 13	NE 7	NNW 15	NW 26	
	1300	NE 12	ENE 13	NE 8	SW 8	SW 9	SW 8	WSW 8	SE 12	SSE 9	SSE 10	SSE 16	
AUGUST	0845	SSE 7	SSE 11	SE 16	SSE 12	SSE 10	SSE 6	SSE 10	SSE 10	ESE 16			
	1230	NE 11	E 12	SE 7	WSW 12	WSW 8	W 8	SW 7	SE 6	ESE 6	SE 10	SE 14	
SEPTEMBER	0845	S 5	SSE 9	SSE 8	S 10	SSE 11	W 10	SW 5	SSE 7				
	1215	N 8	ESE 8	ESE 6	WNW 7	NW 6	WNW 8	W 7	W 6	WSW 8			
OCTOBER	0630	S 5	SE 11	SE 12	ESE 10	SW 9	WSW 8	W 7	W 6	NNE 4	N 6	SSE 9	
	1215	SE 7	SW 11	SSW 9	SW 8	SW 10	SW 10	SW 8	ENE 9	ENE 10	S 6	SSW 17	
NOVEMBER	0630	SSW 4	ENE 10	ENE 10	SSW 11	SSE 9	ENE 5	NW 4	WSW 3	NW 7			
	1230	SSW 7	SSW 8	SSW 8	SSW 7	SSW 7	SSW 7	SSE 9	S 9	SSE 8	SE 5	ESE 9	
DECEMBER	0615	NE 7	NE 13	NE 12	SE 8	S 8	SSW 8	ESE 6	ESE 8	ENE 9	ENE 8	E 8	
	1215	NE 9	NE 10	NE 8	SW 6	WSW 7	SSW 5	S 10	ENE 8	SE 11	NNW 12	NE 9	ESE 15
YEAR		ENE 9	ENE 13	NE 10	SSW 8	SSW 9	SSW 7	S 7	SE 8	SSE 9	SE 9	E 12	ESE 15

WINDS ALOFT - HIGHEST VELOCITIES - BARRANQUILLA 1957

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	ENE 18 9	ENE 20 26	NE 15 25	NNE 8 25	WSW 13 16	WSW 9 16	SSW 16 25	SSE 16 5	E 13 5
FEBRUARY	ENE 20 3	ENE 26 3	ENE 20 2	ENE 16 27	NNE 12 27	SW 9 9	NW 11 5	W 16 5	E 27 23
MARCH	NE 26 2	ENE 33 2	E 22 2	NE 14 20	ENE 12 3	SE 10 9	NSE 16 2	ENE 19 2	SSE 20 20
APRIL	ENE 25 15	ENE 38 13	ENE 36 15	S 16 7	S 12 24	WSW 9 24	NSE 14 10	E 11 10	SSE 14 17
MAY	ENE 15 11	ENE 22 5	ENE 16 5	SSW 14 1	WSW 24 4	SSE 13 18	SSE 18 18	SSE 17 8	SE 14 1
JUNE	N 20 9	ENE 22 9	SSW 20 16	SSE 12 19	E 15 16	E 33 16	ENE 14 16	NE 13 9	SSE 13 19
JULY	NE 10 28	S 20 7	S 25 7	S 16 7	S 20 10	SSW 19 10	NE 17 4	NNE 34 4	NE 40 4
AUGUST	ENE 16 7	SSE 24 24	ENE 27 24	SSW 48 3	WSW 14 2	NW 16 10	SSE 22 28	SE 15 10	SE 14 14
SEPTEMBER	N 12 4	SSE 14 18	SSW 12 21	WSW 18 28	SSW 14 21	WSW 13 28	W 14 20		
OCTOBER	NNW 10 30	WNW 18 9	SW 24 28	SE 22 1	WSW 27 26	SW 19 26	ENE 16 19	S 7 6	SSW 23 5
NOVEMBER	SSW 12 15	SSW 21 16	SSW 18 16	SSW 23 16	SW 19 16	S 13 18	SSE 16 18	SE 8 5	ESE 7 6
DECEMBER	ENE 20 26	NE 26 26	NE 24 29	SW 28 30	S 15 10	E 16 21	SE 16 23	SE 27 30	NE 16 23

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

ANNUAL AVERAGES OF WIND ALOFT OBSERVATIONS

EASTERN STATION SUMMARY 1937	TIME	ALTITUDES IN FEET ABOVE SEA-LEVEL											
		SURF.	1000	2000	3000	4000	5000	6000	7000	8000	10000	12000	14000
MIAMI[1]		ENE 11	E 18	SE 15	E 15	ESE 14	ESE 14	ESE 13	W 13	W 14	W 14	W 15	W 17
KEY WEST[2]		E 10	ESE 17	ESE 17	ESE 15	E 14	ESE 13	ESE 13	E 13	E 13	ESE 13	W 13	W 14
HAVANA[3]		E 8	E 19	E 19	E 17	E 14	E 15	ESE 14	E 14	E 14	ENE 14	ENE 16	
NUEVITAS[4]		NE 7	ENE 16	NE 15	ENE 15	ENE 13	NE 13	NE 13	NE 20	ENE 10	ESE 11	SSW 11	W 11
ANTILLA[5]		E 8	E 17	E 19	E 18	E 16	E 15	E 13	E 15	E 12	E 11	E 13	ENE 14
SAN PEDRO DE MACORIS		NE 9	SE 16	E 16	E 16	E 16	ESE 15	ENE 15	ENE 14	ESE 14	ESE 12	E 11	E 11
SAN JUAN[7]		E 10	E 16	E 17	E 17	E 16	ESE 14	E 14	E 15	ESE 15	E 12	E 11	ENE 12
ST. JOHN[6]		E 8	E 17	E 18	E 19	E 18	E 17	E 16	ENE 15	ENE 14	ENE 12	ENE 11	ENE 12
FORT CASTRIES[8]		E 11	E 15	E 18	E 19	E 17	E 17	E 16	E 16	E 15	E 14	ENE 12	E 12
FORT DE FRANCE[9]		ENE 3	ENE 23	ENE 23	E 26	E 24	E 20	E 19	ENE 15	NE 16	ENE 14	E 18	
PORT OF SPAIN		SE 4	ESE 10	ESE 11	E 14	E 14	E 14	E 13	ESE 13	E 12	E 13	E 14	ESE 13
GEORGETOWN[6]		ENE 12	ENE 16	ENE 14	ENE 14	ENE 14	E 14	E 16	E 16	E 18	E 20	E 18	E 12
CAYENNE[6]		NE 11	E 13	E 14	ESE 15	E 15	E 16	ESE 14	ESE 14	E 14	E 14	E 14	E 13
SAN JULIAN		E 7	E 18	E 19	ESE 16	SE 14	ESE 14	E 12	ESE 12	E 12	ESE 12	ESE 12	WNW 13
KINGSTON		ESE 6	ESE 10	ESE 11	ESE 13	E 18	E 18	ESE 17	ESE 16	ESE 15	E 13	E 13	ESE 12
BARRANQUILLA		ENE 9	ENE 13	NE 10	SSW 8	SSW 9	SSW 7	S 7	SE 8	SSE 9	SE 9	E 12	ESE 15

1-Jan. Mar.-Mar. Dec.-Apr. Dec.-PAA Obs.
2-Weather Bureau Observations.
3-National Observatory Observations.
4-6 Months (Jan.-June., inclusive).
5-6 Months (July-Dec., inclusive).
6-Jan. Oct.-Mar. Bur.-Nov. & Dec.-PAA Obs.
7-11 months (Feb. to Dec., inclusive).
8-9 months (Feb. to Oct., inclusive).
9-December only.

WIND ALOFT - HIGHEST VELOCITIES - 1957

	Surface	1000	2000	3000	5000	6000	8000	10000	12000
MIAMI[1]	NNE 34 11/24	NNE 40 12/3	NNW 50 3/31	E 42 11/24*	W 42 12/6	WNW 42 3/31*	WNW 45 11/17	N 39 3/1	NNW 43 3/10
KEY WEST[2]	NNW 30 12/6	NNW 42 12/6	NNE 50 11/24	NNW 45 11/24	NNW 37 12/6	W 42 12/6	W 46 12/6	SSE 40 1/22	N 34 3/2*
HAVANA[3]	SSW 38 9/12	ESE 36 1/20	ESE 40 1/8	ENE 45 11/25	SSW 38 6/20	WNW 34 11/12*	E 45 7/4	SW 44 11/12	NNW 46 11/12
HUEVITAS[4]	NE 20 2/4	NE 35 1/8	NE 35 1/8	NE 36 1/8	E 38 1/8	ENE 37 1/19	ENE 38 1/21	ENE 30 1/21†	SE 30 6/27
ANTILLA[5]	NNE 20 11/23	NE 35 11/23*	NE 40 11/23*	NE 39 12/29	ENE 35 9/7*	ENE 30 10/3*	N 40 8/10	E 30 10/17	SSW 30 9/2
MACORIS	SW 27 10/26	WSW 36 12/17	E 38 1/20	ENE 36 1/2	E 45 1/8	ENE 37 1/24	ENE 31 7/15	SSE 31 11/23	SE 30 11/23
SAN JUAN[6]	ENE 27 12/23	E 37 1/3	E 42 1/3*	E 39 1/5	ESE 40 1/10	ESE 44 7/1	ESE 36 7/1*	E 37 7/2	S 34 5/26
ST. JOHNS[7]	ENE 20 12/20*	E 44 5/8	ENE 36 9/7*	E 36 7/19	E 42 7/19	E 42 7/19	ENE 34 9/7	ENE 38 9/7	ENE 29 9/5
ST. CASTRIES[8]	E 26 3/22*	E 41 3/22	E 50 3/22	E 36 5/9	E 36 7/3	ENE 35 7/15	ENE 28 5/19	ENE 30 6/28	ENE 32 8/20
PORT DE FRANCE[9]	ENE 8 12/27	ENE 38 12/27	ENE 38 12/23	ENE 39 12/24	E 38 12/27	E 37 12/23	E 18 12/20	ENE 22 12/20	E 24 12/20
PORT OF SPAIN	ESE 24 5/17	ESE 36 5/20	NE 35 11/19	ESE 35 12/6	E 32 5/21	E 40 5/21	E 35 2/8	E 46 2/8	ESE 30 5/28*
GEORGETOWN[7]	E 28 11/5	ENE 32 11/22	NE 30 2/16	ESE 28 11/22	ENE 35 2/9	ENE 37 2/9	E 49 5/20	ENE 39 6/2	NE 41 6/2
CAYENNE[7]	NE 30 5/8	NE 31 3/15	NE 39 3/15	NNE 36 2/25	NE 34 2/21	SE 40 9/22	SSE 36 9/22	SSE 30 12/3*	ENE 32 9/29
SAN JULIAN	E 32 1/9	E 38 11/24	E 45 11/24	SSE 35 7/3*	SSE 38 7/2	SSE 42 7/2	SSE 40 7/2	W 37 12/11	W 35 12/11
KINGSTON	NW 25 11/20	ESE 36 8/3	ESE 35 6/20	ENE 48 6/20	ESE 35 7/20	ESE 35 7/20	ESE 40 7/20*	ESE 38 9/2	SE 30 7/20*
BARRANQUILLA	NE 26 5/2	ENE 38 4/13	ENE 36 4/13	SSW 42 8/3	WSW 37 10/26	E 38 8/16	SSE 22 8/28	NNW 34 7/4	NW 40 7/4

Date below velocity.
Highest underscored.
*) At time of wind aloft observation only.
* Same Velocity also on other dates.
1- Jan.-Mar.-Apr.-Apr.-Apr. Dec.-PAA Obs.
2- Weather Bureau Observations.
3- National Observatory Observations.
4 - 6 months (Jan. Jun.,incl.)
5 - 6 months (Jul. Dec.,incl.)
6 - Jan. Oct. Nov.-Nov.-Nov. Dec. PAA Obs.
7 - 11 months (Feb. Dec.,incl.)
8 - 9 months (Feb. Oct.,incl.)
9 - December only.

HURRICANES - 1937

During the hurricane season of 1937, 9 tropical disturbances were charted over the North Atlantic, including the Caribbean Sea and the Gulf of Mexico. The season was of comparatively short duration with the first disturbance originating during the latter part of July and the last disturbance disintegrating early in October. The final disturbance of the season was the only one on waters of the Caribbean Sea and that over only the extreme northwestern part. The year 1937 was decidedly deficient as to occurrences in the Caribbean.

As in 1936, the percentage of storms for 1937 which reached full hurricane intensity was unusually small. Thus for two consecutive years the percentage of disturbances of full hurricane force was far below the normal of about 50 percent based on records for the past 51 years. The two hurricanes of the year occurred in September. Of the nine disturbances charted, seven occurred wholly or partly in September. Four were charted in the Gulf of Mexico, and the tracks of three, two of which were hurricanes, lay almost entirely in Atlantic waters. Five of the disturbances dissipated over land, one at sea south of Nova Scotia, and three continued to move toward the upper waters of the Atlantic or into the Arctic Ocean.

The only disturbance of the year to cause any considerable amount of damage was that of August 24-September 2 (track III in the chart). The damage occurred partly as the result of wind and rain in northern Florida on August 30. However, loss of life and damage to property during the season were relatively small. Warnings and advices were timely and accurate and further improvement was noted due to the increased facilities for reporting weather observations both from land and sea.

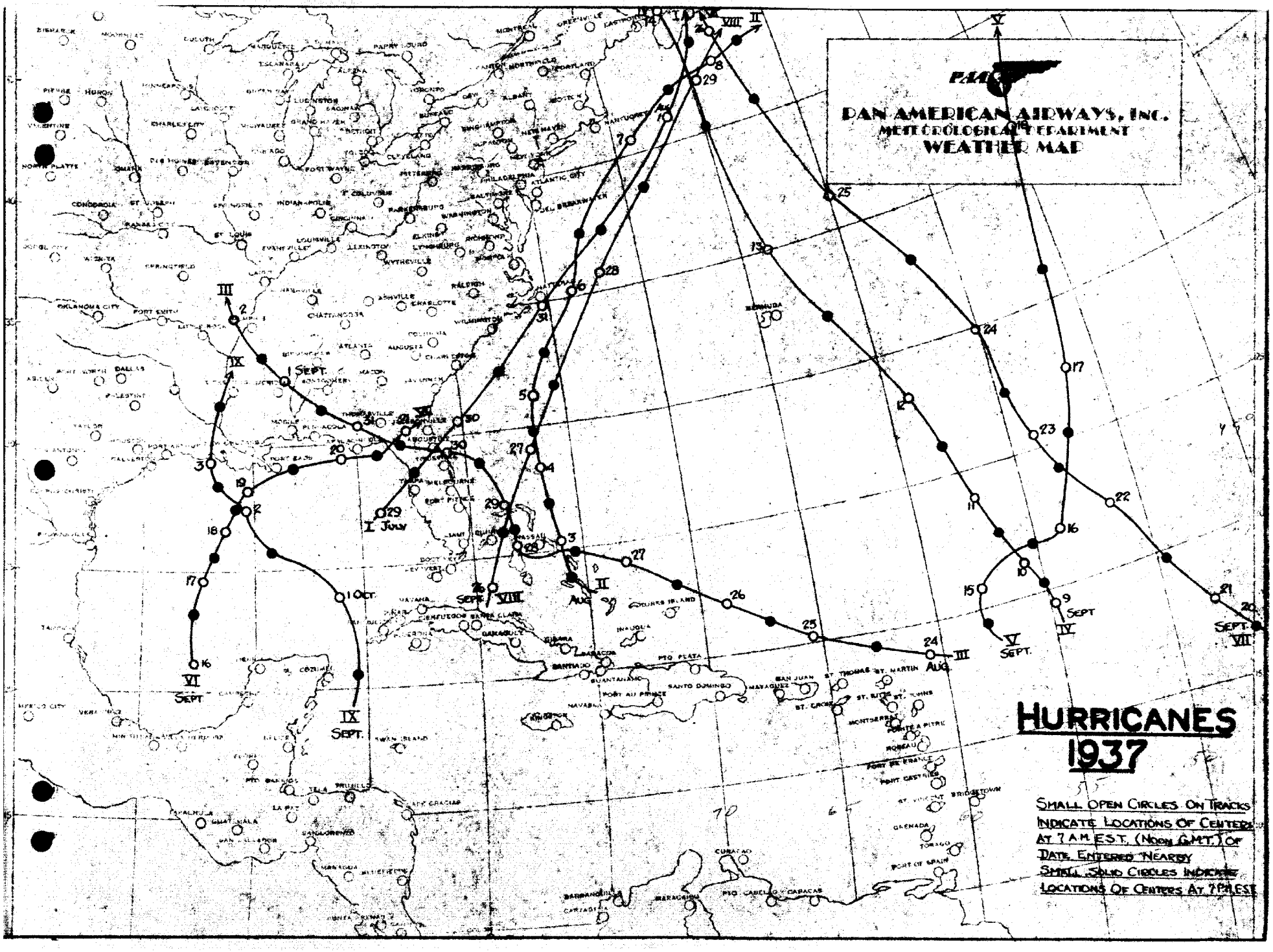
SYNOPSIS OF TROPICAL STORMS 1957

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

STORM	DATE	MAXIMUM WIND REPORTED	LOWEST BAROMETER	INTENSITY
I	Jul.29-Aug. 2	Force 10 SW S. S. Clarke	29.44 S. S. Clarke	Not of hurricane force
II	Aug.2 - 8	Force 10 Three Vessels	29.67 S.S. American Trader	Not of hurricane force
III	Aug. 24-Sep. 2	Force 10 S. S. Solarm	29.58 U.S. Coast Guard Stn. Daytona Beach, Fla.	Not of hurricane force
IV	Sept. 9 - 14[1]	Force 10 S. S. Winamac	29.30 Three vessels	Not of hurricane force
V	Sept. 14-19[2]	Force 12 Several Vessels	28.20 M.S.California Express	Hurricane
VI	Sept. 16-21	Force 10 S.S.Oliver Olson	29.04 Port Eads, La.	Not of hurricane force
VII	Sept. 20-26	Force 12 S. S. Nordenham	28.94	Hurricane
VIII	Sept. 26-30	Force 8 S. S. Gulfhawk	29.83	Not of hurricane force
IX	Sept.30-Oct.4	Force 8 S. S. Gulfprince	29.82	Not of hurricane force

1. Disturbed conditions were reported in the vicinity as early as the 6th, but no evidences until the 9th of a storm center.

2. On September 10th the S. S. Chinsha near 18½° N., 40° W., reported a fresh to strong east-southeast gale and signs of a tropical cyclone.


PAA
PAN AMERICAN AIRWAYS, INC.
METEOROLOGICAL DEPARTMENT
WEATHER MAP
HURRICANES
1937
SMALL OPEN CIRCLES ON TRACKS INDICATE LOCATIONS OF CENTERS AT 7 A.M. E.S.T. (NOON G.M.T.) OF DATE ENTERED NEARBY
SMALL SOLID CIRCLES INDICATE LOCATIONS OF CENTERS AT 7 P.M. E.S.T.
I JULY
II AUG.
III AUG.
IV SEPT.
V SEPT.
VI SEPT.
VII SEPT.
VIII SEPT.
IX SEPT.
X SEPT.
XI SEPT.
1 OCT.