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EASTERN DIVISION

ANNUAL

METEOROLOGICAL SUMMARY

1940

PAN AMERICAN AIRWAYS SYSTEM

COMMUNICATIONS DEPARTMENT

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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(Hurricane Chart Attached)

98509

METEOR FORM 8 1M 12-39

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION JANUARY-1940	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	NNW 11	3.73	2	1	7	0	0	8
NASSAU	N 9	2.15	1	0	1	1	0	1
HAVANA	N 9	2.19	1	3	3	0	1	5
ANTILLA	ENE 6	2.86	0	4	7	0	2	9
SANTIAGO	N 5	1.27	0	0	2	1	0	5
PORT AU PRINCE	E 6	0.47	0	0	1	0	0	2
MACORIS	SE 7	0.42	0	0	0	0	0	4
SAN JUAN	E 7	3.50	0	1	0	0	0	12
ST. JOHNS	E 7	2.73	0	1	0	0	0	12
FORT DE FRANCE*	ENE 8	-	0	0	0	0	0	-
PORT OF SPAIN	SE 5	0.82	0	0	0	0	0	8
GEORGETOWN	E 6	4.94	0	3	7	0	1	18
PARAMARIBO	ENE 8	3.34	0	1	1	0	0	12
CAYENNE	NE 12	8.22	0	0	0	0	0	17
SAN JULIAN	N 7	3.82	1	5	5	1	0	9
CIENFUEGOS	NE 7	1.04	0	0	0	0	0	2
KINGSTON	SE 4	0.16	0	0	0	0	0	7
CAMAGUEY	NE 4	2.15	0	0	1	0	0	3
BARACOA	NE 2	9.20	0	4	4	0	0	9

*No precipitation data available

STRONG WINDS - 30 MPH OR MORE

San Julian Jan. 23 NNW 35

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

Havana	Jan.	5	1300-1530
Antilla	"	5	1100-1310
Antilla	"	6	1030-1500
Georgetown	"	5	0830-1150

METEOR FORM 6 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION FEBRUARY-1940	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	3.22	3	0	6	0	0	4
NASSAU	ENE 10	2.00	0	1	2	0	0	2
HAVANA	N 10	1.55	1	1	2	0	0	5
ANTILLA	E 7	0.26	0	1	1	0	1	2
SANTIAGO	N 5	0	0	0	1	2	0	0
PORT AU PRINCE	E 7	0.14	0	0	0	0	0	1
MACORIS	SE 7	1.40	0	1	1	0	0	6
SAN JUAN	E 10	4.20	0	2	2	0	0	15
ST. JOHNS	E 7	3.47	0	1	2	0	0	10
PORT DE FRANCE*	E 9	-	0	0	1	0	0	-
PORT OF SPAIN	SE 8	0.57	2	0	0	0	0	6
GEORGETOWN	NE 9	1.00	0	1	2	0	0	6
PARAMARIBO	E 9	0.19	0	1	1	0	0	3
CAYENNE	NE 14	1.78	0	0	0	0	0	10
SAN JULIAN	E 8	2.05	0	1	1	0	0	3
CIENFUEGOS	NE 8	1.42	1	1	2	0	0	3
KINGSTON	SE 7	1.26	0	0	1	0	0	5
CAMAGUEY	NE 5	0.56	2	0	1	0	0	3
BARACOA	NNE 2	2.77	0	1	1	0	0	6

* No precipitation data available

STRONG WINDS - 30 MPH OR MORE

Miami	Feb. 17	ESE 31
Miami	" 19	WSW 30
Havana	" 17	SE 30
Cienfuegos	" 17	SE 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

Antilla Feb. 11 0830-1400

METEOR FORM 8 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION MARCH-1940	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	2.82	3	0	6	0	0	11
NASSAU	E 9	0.85	2	0	2	0	0	1
HAVANA	NE 10	2.54	1	0	3	2	0	8
ANTILLA	E 7	6.46	1	0	3	0	0	5
SANTIAGO	S 5	0.53	0	0	2	6	0	1
PORT AU PRINCE	E 7	0	0	0	0	0	0	0
MACORIS	SE 8	0.97	0	0	0	0	0	1
SAN JUAN	E 11	2.37	0	0	0	0	0	9
ST. JOHNS	E 10	2.68	2	0	1	0	0	10
PORT DE FRANCE*	E 10	-	0	0	1	0	0	-
PORT OF SPAIN	SE 8	1.26	1	0	0	0	0	7
GEORGETOWN	E 9	0.98	0	0	2	0	0	6
PARAMARIBO	E 9	1.01	0	5	0	0	0	7
CAYENNE	NE 13	2.83	0	0	0	0	0	15
SAN JULIAN	E 8	3.38	0	2	2	0	2	4
CIENFUEGOS	S 8	3.10	3	1	2	1	0	2
KINGSTON	SE 6	0.03	0	0	0	0	0	2
CAMAGUEY	NE 6	6.16	1	2	3	0	0	8
BARACOA	NE 3	0.74	0	0	0	0	0	1

*No precipitation data available

STRONG WINDS - 30 MPH OR MORE

Miami	Mar.	8	W 40
Miami	"	26	ENE 30
Nassau	"	9	W 45
Antilla	"	8	WSW 30
Cienfuegos	"	8	WSW 35
Camaguey	"	8	SW 35

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

San Julian	Mar. 14	1130-1500
San Julian	Mar. 29	1000-1300

METEOR FORM 8 1M 12-39

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION APRIL - 1940	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	0.98	5	0	2	1	0	5
NASSAU	E 9	1.14	0	0	1	1	0	5
HAVANA	NE 9	1.70	0	0	2	1	0	4
ANTILLA	ENE 5	0.73	0	1	2	0	1	3
SANTIAGO	S 5	0.74	0	0	2	4	0	1
PORT AU PRINCE	E 7	6.65	0	0	1	0	0	9
MACORIS	SE 8	0.91	0	0	0	0	0	4
SAN JUAN	E 9	11.68	0	0	2	0	0	20
ST. JOHNS	E 9	1.22	0	0	1	0	0	8
FORT DE FRANCE*	ENE 9	-	0	0	0	0	0	-
PORT OF SPAIN	SE 7	0	0	0	0	0	0	0
GEORGETOWN	E 8	0.72	0	2	5	0	1	8
PARAMARIBO	E 8	4.66	0	3	1	0	0	15
CAYENNE	ENE 12	6.99	0	0	1	0	0	20
SAN JULIAN	E 9	3.06	0	1	2	4	0	4
CIENFUEGOS	S 9	0.95	0	0	0	1	0	3
KINGSTON	SE 6	0.18	0	0	0	0	0	5
CAMAGUEY	NE 6	0.92	1	0	0	0	0	3
BARACOA	NE 3	1.27	0	1	1	0	0	4

* No precipitation data available.

STRONG WINDS - 30 MPH OR MORE

Miami	Apr. 21	W 30
Camaguey	" 30	NE 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

Antilla	Apr. 26	1115-1200
Georgetown	" 19	0930-1330

METEOR FORM 6 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION MAY - 1940	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 12	5.87	0	2	3	2	0	0
NASSAU	NE 8	2.08	0	0	0	1	0	7
HAVANA	E 5	4.22	0	2	2	2	0	4
ANTILLA	E 5	4.08	0	1	3	3	0	10
SANTIAGO	S 4	3.71	0	0	1	8	0	2
PORT AU PRINCE	E 6	7.37	0	0	0	1	0	13
MACORIS	SE 7	8.84	0	0	0	2	0	14
SAN JUAN	E 13	7.49	1	0	4	1	0	17
ST. JOHNS	E 10	4.76	0	2	2	0	0	17
FORT DE FRANCE*	E 11	-	1	0	2	0	0	-
PORT OF SPAIN	SE 9	0.99	0	1	2	0	0	8
GEORGETOWN	E 9	8.74	0	8	14	0	0	20
PARAMARIBO	E 7	11.21	0	1	7	0	0	21
CAYENNE	ENE 10	25.18	0	0	7	0	0	29
SAN JULIAN	ESE 7	2.86	0	0	2	2	0	8
CIENFUEGOS	S 8	7.61	1	2	3	8	0	8
KINGSTON	SE 6	1.16	0	0	0	1	0	10
CAMAGUEY	NE 8	3.27	1	0	1	0	0	6
BARACOA	NNE 2	16.27	0	4	4	0	0	14

* NO precipitation data available.

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 6 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION JUNE - 1940	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	WSW	10	10.02	2	3	2	3	0	12
NASSAU	E	8	2.94	0	0	0	1	0	6
HAVANA	NE	8	3.23	0	2	5	1	0	11
ANTILLA	E	7	0.69	0	0	3	1	0	6
SANTIAGO	S	3	3.54	0	0	0	6	0	3
PORT AU PRINCE	E	6	5.96	0	0	0	0	0	7
MACORIS	SE	7	3.51	0	1	1	2	0	9
SAN JUAN	E	11	3.47	0	0	0	0	0	15
ST. JOHNS	E	10	2.72	3	1	2	1	0	13
FORT DE FRANCE*	SSE	13	-	2	0	2	1	0	-
PORT OF SPAIN	SE	6	8.08	0	2	4	0	0	16
GEORGETOWN	E	7	9.17	0	6	13	1	0	21
PARAMARIBO	E	5	16.63	0	4	4	0	0	24
CAYENNE	E	8	15.31	0	0	3	0	0	25
SAN JULIAN	ESE	9	12.50	0	2	5	1	0	11
CIENFUEGOS	S	7	3.13	1	0	1	6	0	7
KINGSTON	SE	10	0.08	0	0	0	0	0	5
CAMAGUEY	NE	6	5.40	0	0	1	0	0	10
BARACOA	NNE	3	1.95	0	0	0	0	0	4

*No precipitation data available

STRONG WINDS - 30 MPH OR MORE
Cienfuegos Jun. 27 NE 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS
None

METEOR FORM 8 1M 12-39

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION JULY - 1940	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	SE	9	0.81	0	0	1	2	0	8
NASSAU	E	7	3.10	0	0	0	0	0	12
HAVANA	N	7	3.77	0	1	1	3	0	10
ANTILLA	E	8	0.13	0	0	0	1	0	2
SANTIAGO	N	4	0.80	0	0	0	4	0	1
PORT AU PRINCE	E	9	1.06	0	0	0	0	0	4
MACORIS	SE	8	1.64	0	0	0	6	0	7
SAN JUAN	E	11	3.23	0	0	1	1	0	16
ST. JOHNS	E	12	1.88	0	1	4	0	0	14
FORT DE FRANCE*	ENE	12	-	0	0	1	0	0	-
PORT OF SPAIN	SE	5	4.07	0	0	3	0	0	21
GEORGETOWN	E	7	7.70	0	4	15	3	0	21
PARAMARIBO	E	6	10.77	0	4	6	4	0	28
CAYENNE	E	7	4.32	0	0	7	0	0	20
SAN JULIAN	ESE	8	6.06	0	0	3	2	0	4
CIENFUEGOS	NE	6	4.30	0	0	0	9	0	13
KINGSTON	SE	8	2.59	0	1	1	5	0	5
CAMAGUEY	NE	9	2.06	0	1	2	0	0	6
BARACOA	NNE	3	1.27	0	1	1	0	0	3

*No precipitation data available.

STRONG WINDS - 50 MPH OR MORE
None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS
None

METEOR FORM 6 (M 12-39)

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION AUGUST-1940	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	8	5.28	1	3	1	17	0	17
NASSAU	E	7	2.57	0	2	0	6	0	12
HAVANA	NE	6	2.95	0	0	0	4	0	10
ANTILLA	E	5	0.30	0	0	0	5	0	4
SANTIAGO	S	3	0	0	0	0	7	0	0
PORT AU PRINCE	E	8	1.89	0	0	0	0	0	7
MACORIS	SE	9	1.69	0	0	2	4	0	6
SAN JUAN	ENE	10	5.53	0	0	0	1	0	20
ST. JOHNS	E	12	4.06	2	1	4	0	0	13
FORT DE FRANCE*	ENE	10	-	0	0	1	0	0	-
PORT OF SPAIN	SE	6	0.41	2	1	2	0	0	20
GEORGETOWN	E	6	8.76	1	6	14	4	0	19
PARAMARIBO	E	6	10.93	0	2	5	1	0	20
CAYENNE	E	7	3.87	0	0	0	0	0	16
SAN JULIAN	E	8	2.76	0	1	0	2	0	5
CIENFUEGOS	S	6	6.19	0	1	3	10	0	17
KINGSTON	SE	7	0.24	0	0	0	0	0	2
CANAGUEY	E	3	4.22	0	0	1	0	0	14
BARACOA	NNE	2	1.48	0	0	1	0	0	3

*No precipitation data available

STRONG WINDS - 30 MPH OR MORE

Miami	Aug.	1	WNW 30
St. Johns	"	5	SE 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION SEPTEMBER-1940	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	9	15.15	0	1	4	1	0	24
NASSAU	E	7	14.09	0	2	0	2	0	23
HAVANA	N	8	7.73	0	4	4	6	0	20
ANTILLA	E	5	3.45	0	1	2	4	0	11
SANTIAGO	S	3	3.61	0	0	1	8	0	5
PORT AU PRINCE	E	6	5.29	0	0	0	0	0	11
GACORIS	SE	7	3.46	0	0	1	6	0	8
SAN JUAN	ENE	6	1.33	0	0	0	1	0	11
ST. JOHNS	SE	10	2.48	0	0	2	5	0	14
FORT DE FRANCE*	ENE	5	-	0	0	0	4	0	-
PORT OF SPAIN	SE	6	2.14	0	0	0	0	0	11
GEORGETOWN	E	6	3.13	0	1	6	0	0	6
PARAMARIBO	E	8	4.60	0	2	4	0	0	18
CAYENNE	E	8	2.66	0	0	0	0	0	8
SAN JULIAN	ESE	5	15.55	0	3	4	2	0	14
CIENFUEGOS	S	6	7.63	1	4	6	8	0	19
KINGSTON	SE	6	2.55	0	1	0	5	0	8
GAMAGUEY	E	3	3.66	0	0	0	3	0	11
BARACOA	NNE	2	2.45	0	0	2	0	0	5

*No precipitation data available.

STRONG WINDS - 30 MPH OR MORE
Cienfuegos. Sep. 23 WNW 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS
None

METEOR FORM 8 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION OCTOBER - 1940	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	1.76	2	1	0	0	0	5
NASSAU	NE 11	2.33	1	1	0	0	0	10
HAVANA	NE 9	2.86	1	0	0	0	0	12
ANTILLA	E 6	4.82	0	3	4	1	0	10
SANTIAGO	N 3	11.67	0	0	5	7	0	5
PORT AU PRINCE	E 6	12.44	0	0	0	1	0	10
MACORIS	SE 6	20.30	0	3	4	3	0	17
SAN JUAN	ESE 7	3.71	0	1	1	1	0	24
ST. JOHNS	E 11	1.82	2	0	3	2	0	14
FORT DE FRANCE*	ENE 9	-	0	0	2	2	0	-
PORT OF SPAIN	SE 5	1.34	0	0	3	0	0	7
GEORGETOWN	E 6	1.03	0	0	6	3	0	5
PARAMARIBO	E 7	3.66	1	1	0	2	0	11
CAYENNE	E 8	1.60	0	0	0	0	0	9
SAN JULIAN	ENE 8	1.74	0	1	1	0	0	6
CIENFUEGOS	NE 7	0.69	1	0	0	1	0	2
KINGSTON	SE 2	6.46	0	2	2	1	0	7
CAMAGUEY	NE 5	2.64	0	0	1	3	0	9
BARACOA	N 2	10.99	0	2	3	0	0	12

*No precipitation data available.

STRONG WINDS - 50 MPH OR MORE

Paramaribo	Oct. 19	E 55
Havana	" 3	NE 50

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION NOVEMBER - 1940	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	E 12	0.68	3	0	1	0	0	4
NASSAU	ENE 11	0.13	1	0	0	0	0	4
HAVANA	NE 11	1.99	2	1	1	1	0	8
ANTILLA	E 8	13.14	0	3	4	0	0	14
SANTIAGO	N 6	0.40	0	0	1	1	0	1
PORT AU PRINCE	E 6	2.85	0	0	1	0	0	3
MACORIS	SE 6	5.29	0	1	1	1	0	7
SAN JUAN	ENE 10	4.00	0	1	0	4	0	21
ST. JOHNS	E 10	8.60	0	2	7	2	0	14
FORT DE FRANCE*	ENE 9	-	0	0	2	5	0	-
PORT OF SPAIN	SE 7	3.99	0	0	0	1	0	11
GEORGETOWN	E 7	3.56	0	4	8	2	0	15
PARAMARIBO	E 7	3.59	0	1	1	0	0	15
CAYENNE	NE 8	3.26	0	0	0	0	0	15
SAN JULIAN	E 9	0.70	0	0	0	0	0	2
CIENFUEGOS	NE 9	0	0	0	0	0	0	0
KINGSTON	SE 1	2.32	0	1	0	2	0	6
CAMAGUEY	NE 7	1.42	0	1	5	0	0	6
BARACOA	N 4	15.45	0	2	2	0	0	11

*No precipitation data available.

STRONG WINDS - 30 MPH OR MORE
None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS
None

METEOR FORM 6 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION DECEMBER - 1940	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	E 11	3.97	2	0	2	2	1	7
NASSAU	E 10	2.10	1	0	2	2	0	5
HAVANA	E 10	4.02	2	0	0	0	0	13
ANTILLA	E 7	5.48	0	2	4	4	1	16
SANTIAGO	N 6	3.80	1	1	1	0	0	3
PORT AU PRINCE	E 7	0	0	0	0	0	0	0
MACORIS	SE 6	1.45	0	0	0	0	0	9
SAN JUAN	ENE 10	3.27	0	0	1	0	0	21
ST. JOHNS	E 12	1.24	3	1	5	0	0	12
FORT DE FRANCE*	ENE 10	-	0	0	0	0	0	-
PORT OF SPAIN	E 4	6.73	0	2	4	0	0	24
GEORGETOWN	E 6	15.02	0	7	14	2	0	28
PARAMARIBO	E 5	5.21	0	2	3	0	0	24
CAYENNE	NE 10	11.69	0	5	10	0	0	25
SAN JULIAN	E 9	4.56	1	0	0	0	0	5
CIENFUEGOS	S 8	1.97	2	1	3	0	0	3
KINGSTON	SE 5	3.44	1	2	5	0	0	12
CAMAGUEY	NE 7	3.93	1	0	4	1	0	4
BARACOA	NNE 3	18.62	0	1	1	0	0	11

*NO precipitation data available

STRONG WINDS - 50 MPH OR MORE

Miami	Dec.	25	S 34
Havana	"	26	SE 32
Havana	"	28	SSW 35
Cienfuegos	"	28	N 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

Miami	Dec.	3	Early AM
Antilla	"	25	0900-1230

METEOR FORM 6 1M 12-39

PAA

YEARLY ~~MONTHLY~~ SUMMARY OF WEATHER OBSERVATIONS

EASTERN DIVISION STATION YEARLY - 1940	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	54.09	21	11	35	28	1	111
NASSAU	E 9	35.28	6	6	8	14	0	86
HAVANA	NE 9	38.75	8	14	21	20	1	110
ANTILLA	E 6	42.40	1	16	33	19	5	92
SANTIAGO	N 4	30.07	1	1	16	54	0	27
PORT AU PRINCE	E 7	44.11	0	0	3	2	0	67
MACORIS	SE 7	49.86	0	6	10	24	0	92
SAN JUAN	E 10	53.78	1	5	11	9	0	200
ST. JOHNS	E 10	37.66	12	10	33	8	0	153
FORT DE FRANCE*	ENE 10	-	3	0	12	12	-0	-
PORT OF SPAIN	SE 6	38.40	5	6	18	1	0	139
GEORGETOWN	E 7	64.75	1	42	108	14	2	163
PARAMARIBO	E 7	75.60	1	27	33	7	0	198
CAYENNE	NE 10	87.71	0	5	22	0	0	209
SAN JULIAN	E 8	59.03	2	16	25	14	2	75
CIENFUEGOS	S 7	38.08	10	10	20	44	0	79
KINGSTON	SE 6	20.47	1	7	9	14	0	74
CAMAGUEY	NE 6	36.39	6	4	20	7	0	83
BARACOA	NNE 3	82.46	0	16	20	0	0	83

*No precipitation data available.

METEOR FORM 8 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

MIAMI STATION 1940	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	NNW 11	3.73	2	1	7	0	0	8
FEBRUARY	ESE 14½	3.22	3	0	6	0	0	4
MARCH	SSE 12	2.62	3	0	6	0	0	11
APRIL	SSE 12	0.98	3	0	2	1	0	5
MAY	ENE 12	5.87	0	2	3	2	0	6
JUNE	ESE 10	10.02	2	3	2	3	0	12
JULY	SE 9	0.81	0	0	1	2	0	8
AUGUST	SSE 8	5.28	1	3	1	17	0	17
SEPTEMBER	ENE 9	15.15	0	1	4	1	0	24
OCTOBER	ENE 11	1.76	2	1	0	0	0	5
NOVEMBER	E 12	0.68	3	0	1	0	0	4
DECEMBER	E 11	3.97	2	0	2	2	1	7

STRONG WINDS 30 MPH OR MORE

February 17	ESE 31
February 19	WSW 30
March 8	W 40
March 26	ENE 30
April 21	W 30
August 1	WNW 30
December 28	S 34

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

December 3	Early AM

METEOR FORM B 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

NASSAU STATION 1940	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 9	2.15	1	0	1	1	0	1
FEBRUARY	ENE 10	2.00	0	1	2	0	0	2
MARCH	E 9	0.65	2	0	2	0	0	1
APRIL	E 9	1.14	0	0	1	1	0	5
MAY	NE 8	2.08	0	0	0	1	0	7
JUNE	E 8	2.94	0	0	0	1	0	6
JULY	E 7	3.10	0	0	0	0	0	12
AUGUST	E 7	2.57	0	2	0	6	0	12
SEPTEMBER	E 7	14.09	0	2	0	2	0	23
OCTOBER	NE 11	2.33	1	1	0	0	0	10
NOVEMBER	ENE 11	0.13	1	0	0	0	0	4
DECEMBER	E 10	2.10	1	0	2	2	0	3

STRONG WINDS - 30 MPH OR MORE

March 9 W 45

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1M 12-39

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

HAVANA STATION 1940	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 9	2.19	1	3	3	0	1	5
FEBRUARY	N 10	1.55	1	1	2	0	0	5
MARCH	NE 10	2.54	1	0	3	2	0	8
APRIL	NE 9	1.70	0	0	2	1	0	4
MAY	N 5	4.22	0	2	2	2	0	4
JUNE	NE 8	3.23	0	2	3	1	0	11
JULY	N 7	3.77	0	1	1	3	0	10
AUGUST	NE 6	2.95	0	0	0	4	0	10
SEPTEMBER	N 8	7.73	0	4	4	6	0	20
OCTOBER	NE 9	2.86	1	0	0	0	0	12
NOVEMBER	NE 11	1.99	2	1	1	1	0	6
DECEMBER	E 10	4.02	2	0	0	0	0	13

STRONG WINDS - 30 MPH OR MORE

February 17	SE 30
October 3	NE 30
December 26	SE 32
December 28	SSW 35

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

January 5	1200-1530

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

ANTILLA STATION 1940	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	6	2.86	0	4	7	0	2	9
FEBRUARY	E	7	0.26	0	1	1	0	1	2
MARCH	E	7	6.46	1	0	3	0	0	5
APRIL	ENE	5	0.73	0	1	2	0	1	3
MAY	E	5	4.05	0	1	3	3	0	10
JUNE	E	7	0169	0	0	3	1	0	6
JULY	E	8	0.13	0	0	0	1	0	2
AUGUST	E	5	0.30	0	0	0	5	0	4
SEPTEMBER	E	5	3.45	0	1	2	4	0	11
OCTOBER	E	6	4.82	0	3	4	1	0	10
NOVEMBER	E	8	13.14	0	3	4	0	0	14
DECEMBER	E	7	5.48	0	2	4	4	1	16

STRONG WINDS - 30 MPH OR MORE

March 8	WSW 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

January 5	1100-1310
January 6	1030-1500
February 11	0830-1400
April 28	1115-1200
December 25	0900-1230

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SANTIAGO STATION 1940	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	5	1.27	0	0	2	1	0	5
FEBRUARY	N	5	0	0	0	1	2	0	0
MARCH	S	5	0.55	0	0	2	6	0	1
APRIL	S	5	0.74	0	0	2	4	0	1
MAY	S	4	3.71	0	0	1	8	0	2
JUNE	S	3	3.54	0	0	0	6	0	3
JULY	N	4	0.80	0	0	0	4	0	1
AUGUST	S	3	0	0	0	0	7	0	0
SEPTEMBER	S	3	3.61	0	0	1	8	0	5
OCTOBER	N	3	11.67	0	0	5	7	0	5
NOVEMBER	N	0	0.40	0	0	1	1	0	1
DECEMBER	N	6	3.80	1	1	1	0	0	3

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PORT AU PRINCE STATION 1940	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	0.47	0	0	1	0	0	2
FEBRUARY	E 7	0.14	0	0	0	0	0	1
MARCH	E 7	0	0	0	0	0	0	0
APRIL	E 7	6.65	0	0	1	0	0	9
MAY	E 6	7.37	0	0	0	1	0	13
JUNE	E 8	5.95	0	0	0	0	0	7
JULY	E 9	1.06	0	0	0	0	0	4
AUGUST	E 8	1.89	0	0	0	0	0	7
SEPTEMBER	E 6	5.29	0	0	0	0	0	11
OCTOBER	E 6	12.44	0	0	0	1	0	10
NOVEMBER	E 6	2.85	0	0	1	0	0	3
DECEMBER	E 7	0	0	0	0	0	0	0

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

MACORIS STATION 1940	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 7	0.42	0	0	0	0	0	4
FEBRUARY	SE 7	1.40	0	1	1	0	0	6
MARCH	SE 8	0.97	0	0	0	0	0	1
APRIL	SE 8	0.91	0	0	0	0	0	4
MAY	SE 7	8.84	0	0	0	2	0	14
JUNE	SE 7	3.51	0	1	1	2	0	9
JULY	SE 8	1.64	0	0	0	6	0	7
AUGUST	SE 9	1.69	0	0	2	4	0	6
SEPTEMBER	SE 7	3.46	0	0	1	6	0	8
OCTOBER	SE 6	20.30	0	3	4	3	0	17
NOVEMBER	SE 6	5.29	0	1	1	1	0	7
DECEMBER	SE 6	1.45	0	0	0	0	0	9

STRONG WINDS - 50 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SAN JUAN STATION 1940	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	3.50	0	1	0	0	0	12
FEBRUARY	E 10	4.20	0	2	2	0	0	15
MARCH	E 11	2.57	0	0	0	0	0	9
APRIL	E 9	11.68	0	0	2	0	0	20
MAY	E 13	7.49	1	0	4	1	0	17
JUNE	E 11	3.47	0	0	0	0	0	15
JULY	E 11	3.23	0	0	1	1	0	15
AUGUST	ENE 10	5.53	0	0	0	1	0	20
SEPTEMBER	ENE 8	1.33	0	0	0	1	0	11
OCTOBER	ESE 7	3.71	0	1	1	1	0	24
NOVEMBER	ENE 10	4.00	0	1	0	4	0	21
DECEMBER	ENE 10	3.27	0	0	1	0	0	21

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

ST. JOHNS STATION 1040	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	2.73	0	1	0	0	0	12
FEBRUARY	E 7	3.47	0	1	2	0	0	10
MARCH	E 10	2.68	2	0	1	0	0	10
APRIL	E 9	1.22	0	0	1	0	0	8
MAY	E 10	4.76	0	2	2	0	0	17
JUNE	E 10	2.72	3	1	2	1	0	13
JULY	E 12	1.66	0	1	4	0	0	14
AUGUST	E 12	4.06	2	1	4	0	0	15
SEPTEMBER	SE 10	2.48	0	0	2	3	0	14
OCTOBER	E 11	1.82	2	0	3	2	0	14
NOVEMBER	E 10	8.60	0	2	7	2	0	14
DECEMBER	E 12	1.24	3	1	5	0	0	12

STRONG WINDS - 30 MPH OR MORE

August 5 SE 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 6 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

FORT DE FRANCE STATION 1940	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	-*	0	0	0	0	0	-*
FEBRUARY	E 9	-	0	0	1	0	0	-
MARCH	E 10	-	0	0	1	0	0	-
APRIL	ENE 9	-	0	0	0	0	0	-
MAY	E 11	-	1	0	2	0	0	-
JUNE	ENE 13	-	2	0	2	1	0	-
JULY	ENE 12	-	0	0	1	0	0	-
AUGUST	ENE 10	-	0	0	1	0	0	-
SEPTEMBER	ENE 5	-	0	0	0	4	0	-
OCTOBER	ENE 9	-	0	0	2	2	0	-
NOVEMBER	ENE 9	-	0	0	2	5	0	-
DECEMBER	ENE 10	-	0	0	0	0	0	-

* No precipitation data available.

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PORT OF SPAIN STATION 1940	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	5	0.82	0	0	0	0	0	8
FEBRUARY	SE	8	0.57	2	0	0	0	0	6
MARCH	SE	8	1.26	1	0	0	0	0	7
APRIL	SE	7	0	0	0	0	0	0	0
MAY	SE	9	0.99	0	1	2	0	0	8
JUNE	SE	6	8.08	0	2	4	0	0	16
JULY	SE	5	4.07	0	0	3	0	0	21
AUGUST	SE	6	8.41	2	1	2	0	0	20
SEPTEMBER	SE	6	2.14	0	0	0	0	0	11
OCTOBER	SE	5	1.54	0	0	3	0	0	7
NOVEMBER	SE	7	5.99	0	0	0	1	0	11
DECEMBER	E	4	6.73	0	2	4	0	0	24

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

GEORGETOWN STATION 1940	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	4.94	0	3	7	0	1	8
FEBRUARY	NE 9	1.00	0	1	2	0	0	6
MARCH	E 9	0.98	0	0	2	0	0	6
APRIL	E 8	0.72	0	2	5	0	1	8
MAY	E 9	8.74	0	8	14	0	0	20
JUNE	E 7	9.17	0	6	13	1	0	21
JULY	E 7	7.70	0	4	15	2	0	21
AUGUST	E 6	8.76	1	6	14	4	0	19
SEPTEMBER	E 8	3.13	0	1	8	0	0	6
OCTOBER	E 6	1.03	0	0	6	3	0	5
NOVEMBER	E 7	3.56	0	4	8	2	0	15
DECEMBER	E 6	15.02	0	7	14	2	0	28

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

January 5	0830-1200
April 19	0930-1330

METEOR FORM 8 1500 2.40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

PARAMARIBO STATION 1940	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	8	3.34	0	1	1	0	0	12
FEBRUARY	E	9	0.19	0	1	1	0	0	3
MARCH	E	9	1.01	0	5	0	0	0	7
APRIL	E	8	4.66	0	3	1	0	0	15
MAY	E	7	11.21	0	1	7	0	0	21
JUNE	E	5	16.63	0	4	4	0	0	24
JULY	E	6	10.77	0	4	6	4	0	28
AUGUST	E	6	10.93	0	2	5	1	0	20
SEPTEMBER	E	6	4.60	0	2	4	0	0	18
OCTOBER	E	7	3.66	1	1	0	2	0	11
NOVEMBER	E	7	3.59	0	1	1	0	0	15
DECEMBER	E	5	5.21	0	2	3	0	0	24

STRONG WINDS - 30 MPH OR MORE

October 19 E 35

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CAYENNE STATION 1940	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 12	8.22	0	0	0	0	0	17
FEBRUARY	NE 14	1.78	0	0	0	0	0	10
MARCH	NE 13	2.53	0	0	0	0	0	15
APRIL	ENE 12	6.99	0	0	1	0	0	20
MAY	ENE 10	25.18	0	0	7	0	0	29
JUNE	E 6	15.31	0	0	3	0	0	25
JULY	E 7	4.32	0	0	1	0	0	20
AUGUST	E 7	3.87	0	0	0	0	0	16
SEPTEMBER	E 8	2.66	0	0	0	0	0	8
OCTOBER	E 8	1.60	0	0	0	0	0	9
NOVEMBER	NE 8	3.26	0	0	0	0	0	15
DECEMBER	NE 10	11.69	0	5	10	0	0	25

STRONG WINDS - 30 M.P.H OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM B 1500 2-40

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

SAN JULIAN STATION 1940	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	7	3.82	1	5	5	1	0	9
FEBRUARY	N	8	2.05	0	1	1	0	0	3
MARCH	E	8	3.38	0	2	2	0	2	4
APRIL	E	9	3.08	0	1	2	4	0	4
MAY	ESE	7	2.86	0	0	2	2	0	8
JUNE	ESE	9	12.50	0	2	5	1	0	11
JULY	ESE	8	6.06	0	0	3	2	0	4
AUGUST	E	8	2.76	0	1	0	2	0	5
SEPTEMBER	ESE	5	15.55	0	3	4	2	0	14
OCTOBER	ENE	8	1.74	0	1	1	0	0	6
NOVEMBER	E	9	0.70	0	0	0	0	0	2
DECEMBER	E	9	4.55	1	0	0	0	0	5

STRONG WINDS - 30 MPH OR MORE

January 23	NNW 35

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

March 14	1130-1500
March 29	1000-1300

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CIENFUEGOS STATION 1940	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	7	1.04	0	0	0	0	0	2
FEBRUARY	NE	8	1.42	1	1	2	0	0	3
MARCH	S	8	3.10	3	1	2	1	0	2
APRIL	S	9	0.95	0	0	0	1	0	3
MAY	S	8	7.61	1	2	3	6	0	8
JUNE	S	7	3.13	1	0	1	6	0	7
JULY	NE	6	4.30	0	0	0	9	0	13
AUGUST	S	6	6.19	0	1	3	10	0	17
SEPTEMBER	S	6	7.63	1	4	6	8	0	19
OCTOBER	NE	7	0.69	1	0	0	1	0	2
NOVEMBER	NE	9	0	0	0	0	0	0	0
DECEMBER	S	8	1.97	2	1	3	0	0	3

STRONG WINDS - 30 MPH OR MORE

February 17	SE 30
March 8	WSW 35
June 27	NE 30
September 23	WNW 30
December 28	N 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

PAA

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

KINGSTON STATION 1940	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 4	0.16	0	0	0	0	0	7
FEBRUARY	SE 7	1.26	0	0	1	0	0	5
MARCH	SE 6	0.03	0	0	0	0	0	2
APRIL	SE 6	0.18	0	0	0	0	0	5
MAY	SE 6	1.16	0	0	0	1	0	10
JUNE	SE 10	0.08	0	0	0	0	0	5
JULY	SE 8	2.59	0	1	1	5	0	5
AUGUST	SE 7	0.24	0	0	0	0	0	2
SEPTEMBER	SE 6	2.55	0	1	0	5	0	8
OCTOBER	SE 2	6.46	0	2	2	1	0	7
NOVEMBER	SE 1	2.32	0	1	0	2	0	6
DECEMBER	SE 5	3.44	1	2	5	0	0	12

STRONG WINDS - 30 MPH OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

CARAGUBY STATION 1940	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	2.15	0	0	1	0	0	3
FEBRUARY	NE	5	0.56	2	0	1	0	0	5
MARCH	NE	6	6.16	1	2	3	0	0	8
APRIL	NE	6	0.92	1	0	0	0	0	3
MAY	NE	8	3.27	1	0	1	0	0	6
JUNE	NE	6	5.40	0	0	1	0	0	10
JULY	NE	9	2.06	0	1	2	0	0	6
AUGUST	E	3	4.22	0	0	1	0	0	14
SEPTEMBER	E	3	3.66	0	0	0	3	0	11
OCTOBER	NE	5	2.64	0	0	1	3	0	9
NOVEMBER	NE	7	1.42	0	1	5	0	0	6
DECEMBER	NE	7	3.93	1	0	4	1	0	4

STRONG WINDS - 30 MPH OR MORE

March 8	SW 35
April 30	NE 30

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

METEOR FORM 8 1500 2-40

MONTHLY SUMMARY OF WEATHER OBSERVATIONS

MARACUA STATION 1940	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	2	9.20	0	4	4	0	0	9
FEBRUARY	NNE	2	2.77	0	1	1	0	0	6
MARCH	NE	3	0.74	0	0	0	0	0	1
APRIL	NE	3	1.27	0	1	1	0	0	4
MAY	NNE	2	16.27	0	4	4	0	0	14
JUNE	NNE	3	1.95	0	0	0	0	0	4
JULY	NNE	3	1.27	0	1	1	0	0	3
AUGUST	NNE	2	1.40	0	0	1	0	0	3
SEPTEMBER	NNE	2	2.45	0	0	2	0	0	5
OCTOBER	N	2	10.99	0	2	3	0	0	12
NOVEMBER	N	4	16.45	0	2	2	0	0	11
DECEMBER	NNE	3	16.62	0	1	1	0	0	11

STRONG WINDS - 50 M.P.H. OR MORE

None

DENSE FOG WITH VISIBILITY 1000 FEET OR LESS

None

PREVAILING WIND DIRECTIONS AND AVERAGE VELOCITIES - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	NNW11	ESE12	SSE12	SSE12	ENE12	ESE10	SE 9	SSE 8	ENE 9	ENE11	E12	E11
NASSAU	N 9	ENE10	E 9	E 9	NE 8	E 8	E 7	E 7	E 7	NE11	ENE11	E10
HAVANA	N 9	N10	NE10	NE 9	N 8	NE 8	N 7	NE 6	N 8	NE 9	NE11	E10
ANTILLA	ENE 6	E 7	E 7	ENE 5	E 5	E 7	E 8	E 5	E 5	E 6	E 8	E 7
SANTIAGO	N 5	N 5	S 5	S 5	S 4	S 3	N 4	S 3	S 3	N 3	N 6	N 6
PORT AU PRINCE	E 6	E 7	E 7	E 7	E 6	E 8	E 9	E 8	E 6	E 6	E 6	E 7
MACORIS	SE 7	SE 7	SE 8	SE 8	SE 7	SE 7	SE 8	SE 9	SE 7	SE 6	SE 6	SE 6
SAN JUAN	E 7	E10	E11	E 9	E13	E11	E11	ENE10	ENE 8	ESE 7	ENE10	ENE10
ST. JOHNS	E 7	E 7	E10	E 9	E10	E10	E12	E12	SE10	E11	E10	E12
FORT DE FRANCE	E 8	E 9	E10	ENE 9	E11	ENE13	ENE12	ENE10	ENE 5	ENE 9	ENE 9	ENE10
PORT OF SPAIN	SE 5	SE 8	SE 8	SE 7	SE 9	SE 6	SE 5	SE 6	SE 6	SE 5	SE 7	E 4
GEORGETOWN	E 6	NE 9	E 9	E 8	E 9	E 7	E 7	E 6	E 6	E 6	E 7	E 6
PARAMARIBO	ENE 8	E 9	E 9	E 8	E 7	E 5	E 6	E 6	E 8	E 7	E 7	E 5
CAYENNE	NE12	NE14	NE13	ENE12	ENE10	E 8	E 7	E 7	E 8	E 8	NE 8	NE10
SAN JULIAN	N 7	E 8	E 8	E 9	ESE 7	ESE 9	ESE 8	E 8	ESE 5	ENE 8	E 9	E 9
CIENFUEGOS	NE 7	NE 8	S 8	S 9	S 8	S 7	NE 6	S 6	S 6	NE 7	NE 9	S 8
KINGSTON	SE 4	SE 7	SE 6	SE 6	SE 6	SE10	SE 8	SE 7	SE 6	SE 2	SE 1	SE 5
CAMAGUEY	NE 4	NE 5	NE 6	NE 6	NE 8	NE 6	NE 9	E 3	E 3	NE 5	NE 7	NE 7
BARACOA	NE 2	NNE 2	NE 3	NE 3	NNE 2	NNE 3	NNE 3	NNE 2	NNE 2	N 2	N 4	NNE 3

TOTAL PRECIPITATION - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	3.73	3.22	2.62	0.98	5.87	10.02	0.81	5.28	15.15	1.76	0.68	3.97
NASSAU	2.15	2.00	0.65	1.14	2.08	2.94	3.10	2.57	14.09	2.33	0.13	2.10
HAVANA	2.19	1.55	2.54	1.70	4.22	3.23	3.77	2.95	7.73	2.86	1.99	4.02
ANTILLA	2.86	0.26	6.46	0.73	4.08	0.69	0.13	0.30	3.45	4.82	13.14	5.46
SANTIAGO	1.27	0	0.53	0.74	3.71	3.54	0.80	0	3.61	11.67	0.40	3.80
PORT AU PRINCE	0.47	0.14	0	6.65	7.37	5.95	1.06	1.89	5.29	12.44	2.85	0
MACORIS	0.42	1.40	0.97	0.01	8.84	3.51	1.64	1.69	3.46	20.30	5.29	1.45
SAN JUAN	3.50	4.20	2.37	11.68	7.49	3.47	3.23	5.53	1.33	3.71	4.00	3.27
ST. JOHNS	2.72	3.47	2.68	1.22	4.76	2.72	1.88	4.06	2.48	1.82	8.60	1.24
FORT DE FRANCE	No precipitation data available.											
PORT OF SPAIN	0.82	0.57	1.26	0	0.99	8.08	4.07	8.41	2.14	1.34	3.99	6.73
GEORGETOWN	4.94	1.00	0.98	0.72	8.74	9.17	7.70	8.78	3.13	1.03	3.56	15.02
PARAMARIBO	3.34	0.19	1.01	4.66	11.21	16.63	10.77	10.93	4.80	3.66	3.59	5.21
CAYENNE	8.22	1.78	2.83	6.99	25.18	15.31	4.32	3.87	2.66	1.60	5.26	11.69
SAN JULIAN	3.82	2.05	3.38	3.06	2.86	12.50	6.06	2.76	15.55	1.74	0.70	4.55
CIENFUEGOS	1.04	1.42	3.10	0.95	7.61	3.13	4.30	6.19	7.63	0.69	0	1.97
KINGSTON	0.16	1.26	0.03	0.18	1.16	0.08	2.59	0.24	2.55	6.46	2.32	3.44
CAMAGUEY	2.15	0.56	6.16	0.92	3.27	5.40	2.06	4.22	3.66	2.64	1.42	3.93
BARACOA	9.20	2.77	0.74	1.27	16.27	1.95	1.27	1.48	2.45	10.99	15.45	18.62

NUMBER OF DAYS WITH WIND - 25 M/H OR MORE - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOVE	DEC
MIAMI	2	3	3	3	0	2	0	1	0	2	3	2
NASSAU	1	0	2	0	0	0	0	0	0	1	1	1
HAVANA	1	1	1	0	0	0	0	0	0	1	2	2
ANTILLA	0	0	1	0	0	0	0	0	0	0	0	0
SANTIAGO	0	0	0	0	0	0	0	0	0	0	0	1
PORT AU PRINCE	0	0	0	0	0	0	0	0	0	0	0	0
MACORIS	0	0	0	0	0	0	0	0	0	0	0	0
SAN JUAN	0	0	0	0	1	0	0	0	0	0	0	0
ST. JOHNS	0	0	2	0	0	3	0	2	0	2	0	3
FORT DE FRANCE	0	0	0	0	1	2	0	0	0	0	0	0
PORT OF SPAIN	0	2	1	0	0	0	0	2	0	0	0	0
GEORGETOWN	0	0	0	0	0	0	0	1	0	0	0	0
PARAMARIBO	0	0	0	0	0	0	0	0	0	1	0	0
CAYENNE	0	0	0	0	0	0	0	0	0	0	0	0
SAN JULIAN	1	0	0	0	0	0	0	0	0	0	0	1
CIENFUEGOS	0	1	3	0	1	1	0	0	1	1	0	2
KINGSTON	0	0	0	0	0	0	0	0	0	0	0	1
CAMAGUEY	0	2	1	1	1	0	0	0	0	0	0	1
BARACOA	0	0	0	0	0	0	0	0	0	0	0	0

NUMBER OF DAYS WITH VISIBILITY - ONE MILE OR LESS - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	1	0	0	0	2	3	0	3	1	1	0	0
NASSAU	0	1	0	0	0	0	0	2	2	1	0	0
HAVANA	3	1	0	0	2	2	1	0	4	0	1	0
ANTILLA	4	1	0	1	1	0	0	0	1	3	3	2
SANTIAGO	0	0	0	0	0	0	0	0	0	0	0	1
PORT AU PRINCE	0	0	0	0	0	0	0	0	0	0	0	0
LAGORIS	0	1	0	0	0	1	0	0	0	3	1	0
SAN JUAN	1	2	0	0	0	0	0	0	0	1	1	0
ST. JOHNS	1	1	0	0	2	1	1	1	0	0	2	1
FORT DE FRANCE	0	0	0	0	0	0	0	0	0	0	0	0
PORT OF SPAIN	0	0	0	0	1	2	0	1	0	0	0	2
GEORGETOWN	3	1	0	2	8	6	4	6	1	0	4	7
PARAMARIBO	1	1	5	3	1	4	4	2	2	1	1	2
CAYENNE	0	0	0	0	0	0	0	0	0	0	0	5
SAN JULIAN	5	1	2	1	0	2	0	1	3	1	0	0
CIENFUEGOS	0	1	1	0	2	0	0	1	4	0	0	1
KINGSTON	0	0	0	0	0	0	1	0	1	2	1	2
CAMAGUEY	0	0	2	0	0	0	1	0	0	0	1	0
BARACOA	4	1	0	1	4	0	1	0	0	2	2	1

NUMBER OF DAYS WITH CEILING - 1000 FEET OR LESS - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	7	6	6	2	3	2	1	1	4	0	1	2
NASSAU	1	2	2	1	0	0	0	0	0	0	0	2
HAVANA	3	2	3	2	2	3	1	0	4	0	1	0
ANTILLA	7	1	3	2	3	3	0	0	2	4	4	4
SANTIAGO	2	1	2	2	1	0	0	0	1	5	1	1
PORT AU PRINCE	1	0	0	1	0	0	0	0	0	0	1	0
MACORIS	0	1	0	0	0	1	0	2	1	4	1	0
SAN JUAN	0	2	0	2	4	0	1	0	0	1	0	1
ST. JOHNS	0	2	1	1	2	2	4	4	2	3	7	5
FORT DE FRANCE	0	1	1	0	2	2	1	1	0	2	2	0
PORT OF SPAIN	0	0	0	0	2	4	3	2	0	3	0	4
GEORGETOWN	7	2	2	5	14	13	15	14	8	6	5	14
PARAMARIBO	1	1	0	1	7	4	6	5	4	0	1	3
CAYENNE	0	0	0	1	7	3	7	0	0	0	0	10
SAN JULIAN	5	1	2	2	2	5	3	0	4	1	0	0
CIENFUEGOS	0	2	2	0	3	1	0	3	6	0	0	3
KINGSTON	0	1	0	0	0	0	1	0	0	2	0	5
CAMAGUEY	1	1	3	0	1	1	2	1	0	1	5	4
BARACOA	4	1	0	1	4	0	1	1	2	3	2	1

NUMBER OF DAYS WITH THUNDERSTORMS - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	0	0	0	1	2	3	2	17	1	0	0	2
NASSAU	1	0	0	1	1	1	0	6	2	0	0	2
HAVANA	0	0	2	1	2	1	3	4	6	0	1	0
ANTILLA	0	0	0	0	3	1	1	5	4	1	0	4
SANTIAGO	1	2	6	4	8	6	4	7	8	7	1	0
PORT AU PRINCE	0	0	0	0	1	0	0	0	0	1	0	0
MACORIS	0	0	0	0	2	2	6	4	6	3	1	0
SAN JUAN	0	0	0	0	1	0	1	1	1	1	4	0
ST. JOHNS	0	0	0	0	0	1	0	0	3	2	2	0
FORT DE FRANCE	0	0	0	0	0	1	0	0	4	2	5	0
PORT OF SPAIN	0	0	0	0	0	0	0	0	0	0	1	0
GEORGETOWN	0	0	0	0	0	1	2	4	0	3	2	2
PARAMARIBO	0	0	0	0	0	0	4	1	0	2	0	0
CAYENNE	0	0	0	0	0	0	0	0	0	0	0	0
SAN JULIAN	1	0	0	4	2	1	2	2	2	0	0	0
CIENFUEGOS	0	0	1	1	8	6	9	10	8	1	0	0
KINGSTON	0	0	0	0	1	0	5	0	5	1	2	0
CAMAGUEY	0	0	0	0	0	0	0	0	3	3	0	1
BARACOA	0	0	0	0	0	0	0	0	0	0	0	0

NUMBER OF DAYS WITH DENSE FOG - 1940
(Visibility 1000 Feet or Less)

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	0	0	0	0	0	0	0	0	0	0	0	1
NASSAU	0	0	0	0	0	0	0	0	0	0	0	0
HAVANA	1	0	0	0	0	0	0	0	0	0	0	0
ANTILLA	2	1	0	1	0	0	0	0	0	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
MACORIS	0	0	0	0	0	0	0	0	0	0	0	0
SAN JUAN	0	0	0	0	0	0	0	0	0	0	0	0
ST. JOHNS	0	0	0	0	0	0	0	0	0	0	0	0
FORT DE FRANCE	0	0	0	0	0	0	0	0	0	0	0	0
PORT OF SPAIN	0	0	0	0	0	0	0	0	0	0	0	0
GEORGETOWN	1	0	0	1	0	0	0	0	0	0	0	0
PARAMARIBO	0	0	0	0	0	0	0	0	0	0	0	0
CAYENNE	0	0	0	0	0	0	0	0	0	0	0	0
SAN JULIAN	0	0	2	0	0	0	0	0	0	0	0	0
CIENFUEGOS	0	0	0	0	0	0	0	0	0	0	0	0
KINGSTON	0	0	0	0	0	0	0	0	0	0	0	0
CAMAGUEY	0	0	0	0	0	0	0	0	0	0	0	0
BARACOA	0	0	0	0	0	0	0	0	0	0	0	0

NUMBER OF DAYS WITH PRECIPITATION - 0.01 INCH OR MORE - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	0	4	11	5	6	12	9	17	24	5	4	7
NASSAU	1	2	1	5	7	6	12	12	23	10	4	3
HAVANA	5	5	8	4	4	11	10	10	20	12	6	13
ANTILLA	9	2	5	3	10	6	2	4	11	10	14	16
SANTIAGO	5	0	1	1	2	5	1	0	5	5	1	3
PORT AU PRINCE	2	1	0	9	13	7	4	7	11	10	3	0
MACORIS	4	6	1	4	14	9	7	6	8	17	7	9
SAN JUAN	12	15	9	20	17	17	15	20	11	24	21	21
ST. JOHNS	12	10	10	8	17	13	14	15	14	14	14	12
FORT DE FRANCE	No precipitation data available.											
PORT OF SPAIN	8	6	7	0	8	16	21	20	11	7	11	24
GEORGETOWN	8	6	6	8	20	21	21	19	6	5	15	28
PARAMARIBO	12	3	7	15	21	24	28	20	18	11	16	24
CAYENNE	17	10	15	20	29	25	20	16	8	9	15	25
SAN JULIAN	9	3	4	4	8	11	4	5	14	6	2	5
CIENFUEGOS	2	3	2	3	8	7	13	17	19	2	0	3
KINGSTON	7	5	2	5	10	5	5	2	8	7	6	12
CAMAGUEY	3	3	8	3	6	10	6	14	11	9	6	4
BARACOA	9	6	1	4	14	4	3	3	5	12	11	11

WINDS AT SURFACE - HIGHEST VELOCITIES - 1940

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MIAMI	**	ESE31 17	W40 8	W30 21	**	**	**	WNW30 1	**	**	**	SS4 28
NASSAU	**	**	W45 9	**	**	**	**	**	**	**	**	**
HAVANA	**	SESO 17	**	**	**	**	**	**	**	NE30 3	**	SSW25 28
ANTILLA	**	**	WSW30 8	**	**	**	**	**	**	**	**	**
SANTIAGO	**	**	**	**	**	**	**	**	**	**	**	**
PORT AU PRINCE	**	**	**	**	**	**	**	**	**	**	**	**
MACORIS	**	**	**	**	**	**	**	**	**	**	**	**
SAN JUAN	**	**	**	**	**	**	**	**	**	**	**	**
ST. JOHNS	**	**	**	**	**	**	**	SE30 5	**	**	**	**
FORT DE FRANCE	**	**	**	**	**	**	**	**	**	**	**	**
PORT OF SPAIN	**	**	**	**	**	**	**	**	**	**	**	**
GEORGETOWN	**	**	**	**	**	**	**	**	**	**	**	**
PARAMARIBO	**	**	**	**	**	**	**	**	**	E35 19	**	**
CAYENNE	**	**	**	**	**	**	**	**	**	**	**	**
SAN JULIAN	NNW35 23	**	**	**	**	**	**	**	**	**	**	**
CIENFUEGOS	**	SE30 17	WSW35 5	**	**	NE30 27	**	**	WNW30 23	**	**	N30 28
KINGSTON	**	**	**	**	**	**	**	**	**	**	**	**
CAMAGUEY	**	**	SW35 8	NE30 30	**	**	**	**	**	**	**	**
BARACOA	**	**	**	**	**	**	**	**	**	**	**	**

**Under 30 miles per hour.
Highest underscored.
Date below velocity.

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

MIAMI (DINNER KEY) - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL								DIRECTION — COMPASS POINTS					SPEED — KNOTS							
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1100	NW 8	NW 20	N 14	NW 20	W 17	W 15	W 17	W 18	W 22	W 26	W 25	W 33	W 38								
	1400	N 9	N 11	NW 20	NW 19	NW 19	NW 21	W 14	W 16	W 22	W 22	W 24	W 26	W 25	W 25	W 6						
	1700	NW 13	NW 13	NW 12	NW 14	W 11	W 14	W 17	W 19	W 26	W 25	W 30	W 33	W 33								
FEBRUARY	1100	N 8	E 13	E 14	E 14	W 32	W 26	W 20	W 18	NW 19	W 20	NW 17	W 29	W 26								
	1400	N 8	NW 14	NW 14	E 16	W 26	W 24	W 23	W 22	SW 14	NW 15	W 17	W 19	W 18	SW 28							
	1700	E 12	NW 12	W 17	W 18	W 20	W 26	W 33	SW 16	W 31	W 24	W 18	W 12	W 9								
MARCH	1100	SE 10	SE 16	E 13	E 12	NW 12	W 12	W 11	W 14	W 12	W 13	NW 13	NW 23	W 20								
	1400	E 14	SE 14	SE 13	E 13	E 14	SE 12	W 10	NW 14	SW 12	W 13	W 14	W 16	W 16								
	1700	SE 11	SE 13	SE 12	SE 17	SE 12	S 13	SW 15	W 16	SW 18	SW 16	SW 21	W 13	W 14	W 18							
APRIL	1100	E 10	SE 16	SE 16	SE 13	SE 10	SE 14	NW 12	W 21	W 23	W 26	NW 12	W 13	NW 15	N 18							
	1400	E 12	SE 14	S 15	SE 11	SE 10	E 11	NW 10	NW 16	NW 14	NW 18	W 16	NW 18	NW 21								
	1700	E 11	SE 11	SE 12	SE 12	NW 9	E 9	NW 15	NW 18	W 20	W 16	W 9	W 22	W 14								
MAY	1100	NW 6	S 11	S 11	E 13	S 11	S 10	SW 12	W 13	SW 10	SW 12	NW 10	NW 11	NW 9	N 10	NW 14	W 20	NW 14	NW 34			
	1600	E 11	S 9	S 11	S 9	SW 13	SW 15	W 9	W 9	NW 6	W 12	W 10	NW 10	SW 15	SW 26	S 9	S 14	SW 18				
	1800	E 12	E 13	E 12	E 15	SW 9	W 12	W 15	NW 7	W 15	W 13	W 12	W 16	W 17	SW 11	S 10	S 16					
JUNE	1100	E 11	SE 13	SE 13	SE 12	SE 11	SE 11	SE 11	E 9	E 9	E 11	E 8	E 10	E 11	SW 10	SW 11	W 12					
	1500	E 10	SE 13	SE 12	SE 13	SE 12	SE 16	E 7	E 8	E 7	E 6	S 10	S 12	S 13	W 7	W 3	W 8	NW 2				
	1800	E 10	SE 11	SE 10	SE 10	SE 8	SE 8	NE 7	NE 9	SE 8	SE 9	E 7	E 9	SE 11	SW 12	NE 6						
JULY	1100	SE 11	SE 10	SE 10	SE 10	SE 10	SE 10	SE 11	E 9	SE 10	E 9	E 8	E 6	E 8	S 15	S 14	S 9	E 8	E 10			
	1500	E 8	SE 9	SE 12	SE 10	SE 10	SE 11	SE 7	SE 7	SE 7	SE 7	SE 7	SE 7	SE 8	SE 8	S 15	E 12	SW 7	SE 5			
	1800	SE 10	SE 10	SE 10	SE 10	SE 9	SE 9	SE 8	SE 8	SE 8	SE 7	SE 7	E 7	E 8	SE 5	SE 5	SW 1	CALM	CALM			
AUGUST	1100	SW 4	SE 10	SW 7	S 7	SW 11	SW 11	SW 12	SW 9	SW 11	SW 9	SW 11	W 8	SW 10	NW 10	NW 3	N 15	NE 15				
	1400	S 7	S 9	S 9	S 7	S 8	SE 8	S 5	S 6	SW 10	S 7	S 5	SE 7	SW 5	E 10	E 11	E 15					
	1800	SE 9	SE 6	S 8	S 5	S 4	NW 7	W 4	SW 5	S 6	SW 8	S 7	S 11	S 12	SE 10	E 10	W 20	E 20	E 12			

FORM PAA METEOR-7-1931

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

MIAMI (DINNER KEY) - 1940 cont'd

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																			
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
SEPTEMBER	1400	NE 6	E 11	E 13	E 11	NE 7	N 7	E 12	E 11	E 8	E 6	E 8	E 10	E 13	SW 15	W 8	NW 18	NW 6	SW 22			
	1800	E 9	E 9	E 6	E 7	NE 6	E 11	E 13	E 11	E 12	E 5	E 7	SE 6	SE 7	SW 12	S 15						
OCTOBER	1400	NE 13	NE 11	NE 13	NE 16	NE 13	NE 13	NE 14	N 8	N 11	N 10	N 12	W 15	NW 7	SW 17	SW 16	W 17	W 12				
	1900	NE 11	NE 10	NE 11	N 14	N 10	N 21	NW 14	W 9	W 20	W 19	W 19	W 5	W 5								
NOVEMBER	1400	E 13	E 15	E 18	E 15	E 15	E 15	E 14	SW 10	E 9	E 11	E 9	E 10	E 9	W 15	W 17	SW 29	SW 24	NW 28			
	1800	E 12	E 15	E 15	E 15	E 16	E 16	NE 11	SW 10	W 9	NW 15	W 7	W 13	W 14	NW 25	W 25	SW 35	W 32				
DECEMBER	1400	E 14	E 16	E 15	E 17	E 16	E 15	SW 13	SW 13	SW 10	SW 11	SE 9	W 13	W 12	W 11	E 8	W 5					
	1800	E 13	E 16	E 16	E 15	E 15	E 15	SW 12	SW 16	SW 14	SW 15	SW 17	SW 22	SW 13	SW 19	NW 17	W 10	W 17	W 26			
YEARLY AVERAGE		E 11	SE 12	SE 12	E 13	SE 10	SE 11	W 16	W 16	W 20	W 19	W 17	W 18	W 21	SW 17	W12	W 13	W 20	NW 31			

WINDS ALOFT - HIGHEST VELOCITIES - MIAMI - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	WSW 22 5	WSW 30 1	WSW 32 1	NW 38 24	W 40 27	NW 45 27	W 42 26	WSW 50 1	WSW 48 1
FEBRUARY	E 24 17	WSW 38 14	NW 46 14	WSW 43 19	W 45 14	WSW 47 18	WSW 50 14	NW 30 3	NW 38 3
MARCH	W 30 8	W 68 8	WNW 57 8	WSW 49 8	NW 29 9	NW 30 9	WNW 34 9	WNW 31 9	WSW 30 25
APRIL	E 25 28	S 30 8	E 38 30	E 32 30	SW 38 20	WNW 40 21	WNW 44 21	WNW 40 21	W 30 9
MAY	NE 20 12	W 35 4	S 25 2	NE 30 12	W 22 2	W 28 3	WNW 29 4	WNW 22 4	W 26 10
JUNE	E 20 4	ESE 23 5	SE 21 3	SSE 24 4	SE 21 3	SE 21 3	WSW 24 26	WSW 24 26	SSW 29 1
JULY	E 20 20	ESE 24 18	SE 20 4	SE 18 4	ENE 23 20	SE 20 14	ESE 35 21	SSW 20 3	SW 17 3
AUGUST	SE 18 5	SSW 18 3	SSW 18 3	SSW 20 3	SSW 20 3	SSW 20 3	SSW 15 3	SSW 15 26	S 16 26
SEPTEMBER	E 17 4	S 20 11	SW 26 12	SW 28 12	SSW 30 11	SSW 25 11	SW 32 26	W 20 29	SW 22 26
OCTOBER	NE 30 6	NE 20 6	ENE 22 5	ENE 22 5	N 23 15	NNW 28 15	W 20 2	WNW 32 2	W 28 2
NOVEMBER	ENE 20 4	NNW 32 15	ESE 30 15	ESE 28 12	ESE 28 12	ESE 20 12	ESE 16 11	WNW 21 8	WNW 21 8
DECEMBER	ESE 25 11	SW 26 28	SW 37 28	W 26 29	S 28 26	S 28 26	SSW 30 26	SSW 27 25	SSW 26 25

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

FORM PAA METEOR-7-1

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

KEY WEST - 1940 (U.S. Weather Bureau Observations)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1000	N 9	N 15	N 14	N 9	SW 14	NW 10	W 11	W 16	W 16	N 18	N 16	W 24	W 22	W 24							
	1600	N 10	N 16	N 14	NW 15	NW 15	W 12	W 13	W 12	W 21	SW 14	N 19	W 25	W 31	W 30							
FEBRUARY	1000	N 10	E 16	S 15	SE 13	W 25	W 17	W 15	W 12	W 16	W 20	SW 20	W 21	W 29	NW 31							
	1600	N 11	SE 25	SE 22	SE 21	W 21	W 28	W 25	NW 12	NW 11	NW 13	W 26	W 26	W 16	W 18							
MARCH	1000	SE 7	E 19	SE 18	SE 16	SE 15	W 8	W 9	SW 13	SW 13	SW 12	SW 15	W 16	W 15	W 21							
	1600	SE 10	SE 15	SE 14	SE 12	SE 12	S 9	S 8	W 9	S 9	SW 17	SW 17	W 18	W 17	W 21							
APRIL	1000	SE 9	SE 15	SE 14	SE 13	E 12	S 16	W 9	E 6	W 9	NE 10	SW 18	SW 14	W 13	W 17							
	1600	SE 11	SE 11	SE 16	SE 16	E 13	E 13	SE 14	W 18	SW 25	W 25	W 23	W 13	W 19	NW 10							
MAY	1000	N 7	E 12	SE 11	E 11	E 10	S 6	W 12	SW 10	W 11	NW 4	N 4	N 6	NW 6	NW 11							
	1600	E 11	E 12	E 13	E 12	E 10	S 6	S 10	S 8	E 13	W 5	W 15	W 11	N 7	N 8							
JUNE	1000	E 9	SE 17	SE 17	SE 14	SE 13	SE 11	E 10	E 10	E 8	E 8	E 10	E 12	E 9	E 15							
	1600	E 10	E 12	SE 16	SE 15	E 12	E 12	E 11	E 10	E 8	E 13	SE 12	SE 14	S 20	SE 10							
JULY	1000	E 6	E 12	SE 12	SE 11	SE 10	E 9	E 9	SE 7	E 11	E 11	E 8	E 9	E 6	E 3							
	1600	SE 8	SE 11	SE 12	E 11	E 11	E 11	E 10	E 11	E 11	E 12	E 12	E 11	E 9	E 7							
AUGUST	1000	SE 5	SE 10	SE 9	SE 10	SE 8	SE 6	S 5	S 5	SW 5	S 5	S 4	NE 12	SW 6	E 9							
	1600	W 7	E 12	E 10	S 10	SE 6	E 10	E 10	E 10	E 9	SW 16	SW 12	S 14	S 13	SW 13							
SEPTEMBER	1000	NE 7	E 13	E 10	SE 10	E 9	E 8	SE 9	E 8	E 9	SE 9	SE 8	SE 8	SE 7	SE 7							
	1600	NE 8	E 13	E 11	E 9	E 9	E 8	SW 13	SW 13	SW 10	SW 9	NW 3	S 7	E 8	S 7							
OCTOBER	1000	NE 8	NE 19	E 17	E 16	NE 13	E 14	E 11	NE 11	N 8	E 5	W 14	W 16	W 14	W 10	N 12						
	1600	NE 11	NE 18	E 15	E 15	E 14	E 11	NE 15	N 10	E 7	NE 10	W 10	W 11	NW 10	NW 9	-	SE 13					
NOVEMBER	1000	NE 7	E 19	E 22	E 19	E 16	E 14	SE 11	NE 11	E 11	N 10	N 9	E 6	N 14	W 13							
	1600	NE 9	E 21	E 25	E 24	E 22	E 19	NE 16	E 20	NE 15	E 12	E 13	E 14	NE 12	NE 14	NE 10	W 13					
DECEMBER	1000	E 10	E 15	E 25	E 23	E 21	E 16	SE 13	SW 13	S 9	N 10	N 14	NW 14	NW 16	W 8							
	1600	E 12	E 25	E 26	E 20	E 21	E 23	E 19	E 17	E 11	NE 13	NE 15	W 22	W 26	SW 29							
YEARLY AVERAGE		E 10	E 15	SE 15	SE 14	E 14	E 13	E 11	E 11	E 9	E 9	W 18	W 18	W 21	W 18	N 12	W 13					

WINDS ALOFT - HIGHEST VELOCITIES - KEY WEST - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NW 21 24	S 37 23	S 39 23	SSW 37 23	WNW 37 26	WNW 28 26	W 35 26	W 37 21	W 56 21
FEBRUARY	NW 27 22	SSW 45 7	SSW 51 7	WNW 38 7	WSW 38 19	W 38 7	W 44 20	WSW 56 20	WNW 29 28
MARCH	W 22 6	WSW 33 6	WSW 35 6	W 39 6	W 48 6	WNW 36 6	WNW 38 6	WSW 28 21	WSW 30 20
APRIL	E 18 29	E 40 29	E 39 29	E 34 29	WSW 30 20	WSW 31 20	WSW 35 20	WSW 41 20	W 35 13
MAY	SSW 15 30	ENE 28 13	ENE 27 13	NNW 20 4	NNW 25 4	SW 24 3	WSW 36 3	WSW 37 3	NW 28 4
JUNE	E 16 17	ESE 26 4	ESE 30 4	E 27 17	SSW 27 1	SE 24 14	SE 21 14	E 20 29	SSE 26 15
JULY	E 12 22	ESE 20 5	ESE 23 5	SE 23 4	E 19 21	E 18 21	S 24 3	S 21 4	SSW 14 29
AUGUST	E 15 24	E 20 16	S 17 4	SSW 21 4	SW 22 4	SSW 21 4	SSW 21 4	SSW 18 4	SSW 21 4
SEPTEMBER	SSW 21 9	SSW 27 9	SSW 31 9	SSW 30 9	SW 27 10	SSW 25 12	WSW 18 28	E 14 18	E 15 18
OCTOBER	NE 18 6	ENE 33 5	ENE 29 5	ENE 30 5	E 29 5	NE 24 3	NNE 28 3	W 20 31	W 16 31
NOVEMBER	N 18 16	N 36 15	E 37 20	E 33 4	E 39 4	E 36 4	NNE 25 22	E 23 19	E 25 19
DECEMBER	SSW 28 28	SW 35 28	SSE 35 26	SSE 42 25	S 39 26	N 47 4	W 27 29	W 40 29	W 54 29

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

U. S. Weather Bureau Observations.

FORM PAA METEOR-7-1931

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

HAVANA - 1940 (Cuban National Observatory Observations)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL																			
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
		DIRECTION — COMPASS POINTS / SPEED — KNOTS																			
JANUARY*																					
FEBRUARY	1200	N 18	E 18	SE 23	E 20	SE 14	S 24	S 17	S 10	S 8	W 20	W 25	W 27	W 35	SW 20	SW 21	SW 23	NW 27	N 35		
MARCH	1200	E 7	SE 17	SE 13	E 12	E 9	SE 12	S 11	S 12	S 12	S 13	S 13	SW 15	E 11	W 19	W 22	W 24	W 27	SW 33		
APRIL	1200	E 6	SE 18	E 22	E 18	E 9	E 7	E 7	E 7	E 8	E 10	N 9	N 9	N 15	NW 19	N 16	N 19	NW 23	NW 39		
MAY	1200	E 6	E 19	E 21	E 15	E 9	E 8	E 7	E 7	SE 6	SW 14	E 7	E 9	E 10	E 7	NE 11	W 22	W 23	NW 25		
JUNE	1200	E 5	SE 15	SE 16	SE 16	SE 13	SE 14	SE 15	SE 14	SE 13	SE 14	E 14	SE 14	E 14	E 14	E 13	E 15	E 12	E 18		
JULY	1200	E 4	E 16	E 16	E 12	E 11	E 11	E 10	SE 10	SE 11	SE 11	E 11	E 11	E 11	E 12	E 14	E 14	E 14	E 12		
AUGUST	1200	E 5	SE 11	SE 13	E 10	S 6	S 8	S 8	S 8	S 7	SW 7	SW 8	E 6	E 6	E 7	E 8	NE 11	NE 12	E 12		
SEPTEMBER	1200	E 4	SE 14	E 15	S 16	SE 9	SE 9	SE 10	S 14	SE 11	SE 9	SE 9	SE 8	SE 11	SE 10	SW 8	SW 9	SE 6	S 7		
OCTOBER	1200	S 3	E 15	NE 17	NE 16	E 16	NE 16	NE 12	E 9	NE 11	NE 8	SW 10	SW 11	W 11	W 7	W 13	W 14	W 17	W 18		
NOVEMBER	1200	E 5	E 25	E 33	E 22	E 18	E 15	E 16	E 16	E 18	NE 10	NE 11	NE 14	E 11	NE 11	N 14	N 18	N 15	NE 16		
DECEMBER*																					
YEARLY AVERAGE		E 5	E 9	E 21	E 16	E 12	E 10	E 10	S 11	SE 10	SE 11	E 11	E 8	E 10	E 10	E 12	W 20	W 22	E 14		

* No winds aloft available.

WINDS ALOFT - HIGHEST VELOCITIES * HAVANA - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	No winds aloft available.								
FEBRUARY	SE 36 17	SE 39 17	SSE 43 17	SSE 37 17	S 43 17	NNE 33 21	NW 39 22	WSW 27 25	WSW 35 25
MARCH	NNW 25 15	SW 31 6	SW 45 6	SW 47 6	SE 26 27	SW 30 6	WNW 35 22	S 22 20	SSW 23 28
APRIL	NNW 23 31	E 31 29	E 33 29	S 31 19	S 30 8	S 26 8	S 23 8	SSW 19 26	SSW 28 8
MAY	N 20 5	E 33 14	E 33 14	E 22 14	SSW 16 30	SSW 19 30	SW 19 31	SW 22 31	WSW 25 31
JUNE	SE 15 14	SSE 33 14	SSE 33 14	SSE 27 14	SE 25 15	SE 23 15	SSE 23 14	SSE 31 14	SSE 33 15
JULY	E 8 25	E 27 5	SSE 30 3	ESE 25 21	ESE 20 21	SSE 22 3	SE 23 4	SE 22 4	ENE 22 30
AUGUST	E 10 30	ESE 25 25	ESE 23 24	ESE 19 24	SSW 21 4	ENE 22 6	ENE 19 6	SSW 17 4	NNE 15 31
SEPTEMBER	NNE 17 9	SSW 30 9	SW 31 9	SSW 29 11	SW 33 9	SSW 33 6	ESE 17 20	ESE 17 20	ENE 37 20
OCTOBER	NE 22 5	ENE 30 5	ENE 31 5	ENE 27 5	ENE 22 25	NE 17 14	NNE 16 14	SW 17 30	SW 17 3
NOVEMBER	N 33 16	N 45 16	N 39 16	E 37 21	E 23 4	E 19 4	E 27 4	SE 25 14	NNW 23 2
DECEMBER	No winds aloft available.								

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

Cuban National Observatory Observations.

FORM PAA METEOR-7-1

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

ANTILLA, CUBA - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1100	E 4	E 14	E 15	E 14	E 11	E 13	E 16	E 14	E 11	E 14	SW 16	W 16	SW 15	W 21							
	1500	S 2	E 14	E 16	E 11	NE 12	E 11	S 12	S 16	S 15	S 9	S 12	W 8	NW 12	W 14	NW 11						
FEBRUARY	1100	E 6	E 19	E 22	E 18	E 13	SE 16	W 14	S 11	SW 14	W 9	S 11	SW 17	SW 16	W 30							
	1500	E 7	E 19	E 23	E 18	E 13	S 8	SW 13	SW 25	SW 11	SW 8	SW 20	S 10	W 23	W 21	SW 24						
	1800	E 7	E 11	E 15	S 14	S 16	S 15	SW 19	SW 23	S 23	S 10	SW 37	SW 21	W 16								
MARCH	1100	E 5	E 20	E 21	E 18	E 16	E 20	S 14	SW 16	E 10	E 12	W 7	N 11	N 7	W 24							
	1500	E 9	E 15	E 18	E 18	E 18	E 15	S 7	E 13	NE 8	NE 11	NE 11	W 17	SW 15	SW 16	NW 22						
	1800	E 6	E 12	E 13	E 13	W 5	SW 13	SW 18	NE 8	NE 10	NE 10	N 4	N 14	N 9	SW 7							
APRIL	1100	E 3	E 15	E 15	E 15	E 13	E 11	NE 7	W 4	W 7	SW 12	W 9	SW 13	N 6	W 13							
	1500	E 6	E 15	E 15	E 14	E 12	E 13	E 11	SE 10	NW 6	S 9	W 5	NE 7	SW 16	NW 8	NW 22	NW 14					
	1800	E 6	NE 15	E 13	E 12	E 8	SW 12	SW 8	S 10	SW 17	W 10	SW 7	SW 8	SW 4	W 13	S 5						
MAY	1100	E 2	E 15	E 18	E 19	E 13	E 13	SE 7	SW 6	S 11	SE 8	SW 10	SW 13	SW 14	SW 11	SW 11	NW 12	W 10				
	1500	E 6	E 12	E 13	E 17	S 14	S 9	S 8	S 11	S 12	S 10	SW 11	S 9	SW 10	SW 14	SW 14	SW 15					
	1800	E 5	NE 11	NE 11	NE 9	SW 7	S 11	SW 9	S 17	S 18	SW 11	SW 9	S 10	SW 11	SW 9	W 14	W 13	W 11	W 21	W 34	NW 44	
JUNE	1000	E 15	E 18	E 18	E 18	E 14	E 14	SE 11	E 10	SE 12	SE 12	E 14	E 10	E 13	SE 10	SW 6						
	1500	E 7	E 17	E 17	E 18	E 14	E 14	E 12	SE 9	SE 10	SE 11	E 12	E 15	E 16	E 14	SE 13	SE 18	SE 11	SW 4			
	1800	E 10	E 12	E 13	E 15	SE 10	SE 11	SE 13	SE 12	SE 12	E 14	SE 12	SE 9	SE 8	SE 7	SE 10	SE 20	SE 10				
JULY	1100	E 5	E 17	E 21	E 21	E 17	E 16	E 15	E 17	E 17	E 16	SE 13	SE 12	SE 13	SE 17	E 12	SE 13					
	1500	E 8	E 16	E 17	E 17	E 14	E 17	E 13	E 14	SE 14	E 14	SE 13	SE 11	SE 11	E 20	E 13	SE 7	E 8				
	1800	E 11	E 16	E 14	E 13	SE 11	E 12	SE 12	E 11	E 12	E 11	E 10	E 9	E 9	SE 13	E 9	E 9	E 8				
	2100	E 10	E 27	E 26	E 20	E 16	E 13	E 11	E 12	E 14	E 14	E 17	E 20	E 35	N 7							
AUGUST	1000	W 4	E 15	E 17	E 17	E 13	E 13	E 12	E 9	E 8	E 9	E 8	E 8	E 9	E 9	E 7	S 8	SE 6	NE 12			
	1500	E 5	E 13	E 16	E 15	E 12	E 13	E 10	E 9	E 8	E 9	E 8	E 9	SE 8	SE 8	E 9	E 6	SE 7	E 16	S 26		
	1800	E 7	E 12	E 15	E 8	E 8	E 11	E 8	SE 6	SE 7	E 8	E 10	E 10	E 7	E 6	E 5	E 2	E 5	E 7			
	2100	E 9	NE 19	NE 24	E 18	E 7	E 7	SE 10	E 10	E 10	E 9	SE 14	SE 8	S 4								

FORM PAA METEOR-7-15

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

AMTILLA, CUBA. - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																			
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
SEPTEMBER	1100	W 4	E 11	E 13	E 14	E 14	E 14	E 10	SE 11	SE 11	E 11	E 12	SE 10	S 12	E 14	E 13	NE 10	SW 12				
	1500	S 2	E 12	E 14	E 18	E 15	E 13	E 11	E 12	SE 9	E 12	SE 12	SE 16	SE 11	SE 9	E 10	E 10	E 6	E 14			
	1800	E 8	E 11	E 15	E 11	E 13	E 11	SE 16	SE 16	S 10	S 7	S 9	S 7	SE 11	E 18	S 6	S 7	NE 9	E 8			
	2100	E 9	E 16	E 15	E 18	E 15	E 15	SE 5	S 10	SW 7	SW 11	S 5	E 5	E 9	S 10	S 10	SE 20	S 10				
OCTOBER	1100	W 5	E 11	E 14	E 16	E 13	E 12	E 6	E 10	SW 10	SW 12	SW 10	SW 12	SW 14	SW 8	SW 10	SW 5	W 20	SW 14			
	1500	S 3	E 10	E 12	E 12	E 11	E 11	SE 7	SW 6	SW 8	SW 7	SE 6	W 5	W 6	SW 10	SW 13	W 14	SW 17	W 24			
	1800	NE 5	NE 8	NE 10	N 6	E 2	SW 5	SW 9	SW 9	SW 10	SW 10	SW 15	SW 13	SW 13	S 17	S 19	S 4					
	2100	E 9	NE 16	NE 14	NE 12	NE 13	E 8	E 10	SW 10	SW 10	W 14	W 13	W 15	W 11	W 13	SW 11	S 9					
NOVEMBER	1100	E 9	E 22	E 24	E 25	E 22	E 19	E 18	E 19	E 18	E 17	E 16	E 8	W 8	W 9							
	1500	E 9	E 18	E 21	E 28	E 23	E 22	E 21	E 15	SE 6	NE 14	NW 4	E 13	E 13	E 10	E 10	E 11	E 22	W 15	S 2		
	1700	E 8	NE 22	E 18	E 21	E 21	S 7	SE 11	S 10	S 18	SE 7	SE 14	SE 9	NW 6	E 6	E 12	W 10	NE 19				
	2100	E 9	E 19	E 23	E 23	E 20	E 19	E 19	E 16	E 15	E 17	E 15	E 16	E 11	E 11	E 12	SW 14					
DECEMBER	1100	E 8	E 24	E 26	E 20	E 22	E 21	E 20	E 19	E 15	E 17	SE 8	SE 8	SW 21	SW 13	E 7						
	1500	E 9	E 19	E 22	E 23	E 22	E 16	S 16	SW 11	SE 8	S 12	S 11	S 10	S 13	SW 19	SW 17	SW 20	SW 14	SW 24			
	1700	E 13	E 14	E 18	S 11	S 10	S 12	SW 10	SW 15	SW 30	SW 12	SW 11	SW 15	SW 16	SW 21	SW 23	W 12	W 13				
	2100	E 14	E 17	E 23	E 21	E 20	E 18	E 17	E 18	S 11	SW 16	SW 17	S 12	S 13	SW 18	SW 24	SW 14					
YEARLY AVERAGE		E 8	E 15	E 18	E 17	E 15	E 14	E 13	E 14	E 13	E 15	SW 15	E 11	SW 14	SW 13	E 10	SW 12	E 10	E 11	S 14	NW 44

WINDS ALOFT - HIGHEST VELOCITIES - ANTILLA - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NNE 16 22	ENE 22 12	E 26 8	NW 23 23	E 16 7	W 18 24	S 23 19	WSW 26 3	WSW 25 3
FEBRUARY	E 16 27	NE 28 4	E 35 9	E 34 9	E 27 27	SW 27 19	SW 24 28	SW 37 25	W 26 28
MARCH	W 22 8	ENE 34 17	NW 37 9	WSW 32 8	E 47 14	WSW 46 8	WSW 22 8	WSW 19 5	WSW 27 6
APRIL	E 14 30	ENE 34 30	ENE 29 3	E 26 3	WSW 25 21	WSW 24 21	SW 25 22	SSW 19 27	SW 20 25
MAY	ENE 14 8	ENE 27 8	ENE 30 14	E 30 15	E 25 15	SSE 25 31	SSE 29 31	SSE 20 30	SSE 21 31
JUNE	E 18 20	ENE 43 28	E 48 28	E 49 28	E 30 28	SE 23 1	E 22 28	ENE 25 16	E 26 4
JULY	E 20 12	E 56 1	E 52 1	E 39 12	E 37 12	E 35 4	ESE 26 21	E 23 1	ESE 38 26
AUGUST	E 16 19	NE 27 6	ENE 40 23	ENE 26 23	E 30 5	ENE 26 6	SSW 17 8	SSW 24 8	E 32 18
SEPTEMBER	W 18 14	E 29 3	E 37 3	E 29 17	E 24 2	E 19 2	ESE 21 27	ESE 25 26	ESE 23 26
OCTOBER	ENE 16 23	ENE 36 3	NE 39 23	NE 31 23	ENE 25 22	NW 29 17	ENE 26 22	SW 29 17	SW 22 16
NOVEMBER	N 15 5	ENE 40 10	ENE 39 12	ENE 43 12	E 46 12	E 36 21	ENE 35 5	ENE 31 5	E 18 14
DECEMBER	E 16 14	ENE 35 18	E 40 19	E 45 14	E 46 15	SSW 33 27	SW 30 25	ESE 37 16	ESE 44 16

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

98509

FORM PAA METEOR-7-103

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

*PORT AU PRINCE, HAITI. - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL: SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
		DIRECTION — COMPASS POINTS														SPEED — KNOTS						
MARCH	1000	E 21	E 14	E 15	E 12	E 13	E 13	E 12	E 14	E 11	E 6	E 7	E 6	E 7	N 21	E 4	NE 12					
	1400	E 5	E 8	E 9	E 8	E 9	SE 7	E 8	NE 6	E 9	SE 9	E 10	E 8	E 9	W 20	N 29	NW 25					
APRIL	1000	E 5	E 13	E 15	E 13	E 11	E 12	E 11	NE 10	NE 8	E 10	SW 9	W 8	N 9	SW 10	W 17	W 21					
	1400	E 7	E 9	E 8	E 8	E 11	E 10	E 10	E 11	E 12	E 10	NE 9	E 8	SW 11	W 11	W 11	W 17					
MAY	1000	E 5	E 10	E 10	E 14	E 11	E 12	E 6	NE 9	SE 13	E 9	SW 9	SW 15	SW 14	SW 10	SW 9	W 12	SW 13				
	1400	E 6	E 8	E 9	E 8	E 7	SE 5	SE 6	SE 10	SE 10	SE 10	S 7	SW 13	SW 13	SW 10	W 10	W 13	SW 17	NW 12			
JUNE	1000	E 5	E 14	E 15	E 17	E 15	E 16	E 15	NE 14	E 11	E 11	E 10	E 13	E 12	E 17	S 7	S 11	SW 20				
	1400	E 11	E 16	E 14	E 14	E 11	E 18	SE 12	SE 13	SE 13	SE 13	E 13	E 14	SE 16	SE 14	SE 11	S 15	NE 11				
JULY	1000	E 7	E 16	E 16	E 15	E 16	E 15	E 11	NE 14	SE 13	E 12	SE 14	SE 14	SE 14	E 13	E 15	E 12	NW 11				
	1400	E 10	E 13	E 12	E 11	E 9	E 9	E 12	NE 15	E 14	E 14	E 14	E 14	E 15	E 19	E 15	SE 14	E 19				
	1700	E 10	E 12	E 11	E 11	E 10	E 9	E 9	E 12	E 13	E 14	E 12	E 15	E 16	E 19	E 19	E 17	E 10				
AUGUST	1000	E 5	E 13	E 16	E 14	E 13	E 10	E 9	E 13	E 14	E 13	E 14	E 13	E 13	E 12	E 8	NE 9	NE 11	S 8	SE 12		
	1400	E 8	E 11	E 11	E 9	E 11	E 12	E 13	E 13	E 13	E 14	E 13	E 15	E 14	E 11	E 9	E 7	E 11	NW 7			
	1700	E 10	E 9	E 10	E 8	E 9	E 9	E 11	SE 9	E 13	E 14	E 13	E 13	E 14	E 10	E 9	E 11	E 12	E 2			
SEPTEMBER	1100	E 5	E 12	E 12	E 11	E 10	E 9	E 7	E 9	E 10	SE 7	SE 8	SE 9	E 12	E 11	E 9	E 12	S 14	E 7			
	1400	E 8	E 11	E 10	E 9	E 9	E 8	E 10	SE 9	SE 10	SE 10	SE 10	SE 12	SE 10	NE 9	E 10	S 6	SE 8				
	1700	W 9	W 4	NW 3	E 7	E 6	E 8	E 7	SE 8	SE 10	SE 8	E 9	E 10	SE 7	NE 8	NE 8	NE 12	SE 4				
	2100	W 9	W 7	W 7	W 7	E 10	E 10	E 11	E 13	E 14	E 13	SE 11	SE 9	SE 10	SE 9	SE 10	NE 11	N 10				
OCTOBER	1100	E 4	E 11	E 10	E 12	E 10	E 9	E 7	E 7	SE 6	E 8	S 10	SE 7	S 11	S 10	S 7	E 5	W 3				
	1400	E 6	E 9	E 8	E 10	E 9	E 6	E 7	E 7	S 11	S 11	S 10	S 7	SE 8	SE 6	SE 7	E 6	E 7				
	1700	E 6	E 8	E 7	E 6	E 5	E 6	S 7	S 7	S 12	SE 8	E 8	S 8	SE 6	E 6	SE 6	W 7	SW 8				
	2100	W 7	W 6	W 6	W 4	E 8	E 9	E 9	SE 8	E 9	SE 10	S 9	S 10	S 11	SW 8	SW 7	SE 8	NE 9				
NOVEMBER	1100	E 6	E 13	E 13	E 13	E 14	E 14	E 13	E 16	E 13	E 13	E 11	E 11	E 11	E 11	E 8	E 18	N 11				
	1400	E 9	E 10	E 14	E 15	E 14	E 14	E 14	E 14	E 15	E 15	E 14	E 13	E 12	E 9	N 11	N 18	NE 14				
	1700	E 8	E 12	E 10	E 8	E 15	E 13	SE 7	E 12	E 13	E 12	E 10	E 10	E 11	NE 6	E 10	NE 9	NE 18				
	2100	W 9	W 6	W 5	E 7	E 11	E 14	E 11	E 12	E 15	E 13	E 20	E 13	E 11	E 14	SE 12	E 8	E 7				
DECEMBER	1100	E 7	E 16	E 17	E 18	E 19	E 17	E 18	E 17	E 17	E 16	E 12	E 13	E 13	E 14	SE 7	S 6	SW 13				
	1400	E 9	E 13	E 14	E 18	E 18	E 17	E 17	E 17	E 16	E 16	E 14	E 14	SE 14	E 14	S 10	SE 11	NW 9				
	1700	E 9	E 10	E 9	E 10	E 10	E 11	E 13	E 14	E 14	E 14	E 17	E 23	E 16	S 7	SE 6	W 9	SW 20				
	2100	W 8	W 5	E 13	E 11	E 14	E 14	E 15	E 16	E 16	E 15	E 14	SE 7	SE 10	E 18	E 16	SW 9	W 13				
YEARLY AVERAGE		E 8	E 12	E 12	E 11	E 11	E 12	E 11	E 13	E 13	E 12	E 12	E 13	E 12	E 13	E 11	E 10	NE 12	NE 7	SE 12		

*Observations began March 19, 1940.

WINDS ALOFT - HIGHEST VELOCITIES - PORT AU PRINCE - 1940

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

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

*Observations began March 19, 1940/

FORM PAA METEOR-7-19

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

MACORIS, D. R. - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																			
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1100	NE 3	E 14	E 15	E 15	E 15	E 11	SE 14	E 14	E 12	S 9	E 12	NE 12	S 9	SW 7						
	1400	E 5	E 12	E 14	E 14	E 15	SE 13	SE 12	E 13	E 11	E 11	E 12	E 13	S 11	SW 11	NW 6	W 11	NW 9			
	1800	SE 12	SE 13	SE 12	SE 15	NE 8	SE 14	E 11	E 10	E 13	E 10	SE 9	S 11	S 12	S 19	W 13					
FEBRUARY	1000	NE 3	E 21	E 19	E 18	E 14	SE 13	SE 16	SE 17	S 12	S 9	W 10	W 19	S 10							
	1400	NE 5	NE 12	NE 14	E 18	E 16	SE 16	SE 15	SE 14	E 19	S 7	SE 15	SE 18	SE 17	SW 20	S 25	E 12				
	1800	SE 15	SE 15	SE 18	SE 19	SE 19	SE 18	SE 17	SE 18	SE 15	SE 15	SE 18	SW 16	SW 14	S 21	SE 20					
MARCH	1000	NE 2	E 19	NE 18	SE 16	E 15	E 15	E 12	E 12	NE 11	E 9	E 11	E 11	W 11	NW 11	NW 17					
	1400	NE 6	SE 15	NE 14	SE 13	E 13	E 12	SE 12	E 11	E 12	E 12	E 13	E 9	E 10	SE 9	NW 20					
	1800	SE 17	SE 19	SE 17	NE 11	NE 12	NE 13	NE 13	E 14	NE 13	NE 12	SW 18	SE 7	W 24	SW 6	W 12	W 19				
APRIL	1100	NE 2	E 18	E 15	SE 15	SE 15	SE 12	E 15	E 12	E 10	E 11	E 10	SE 10	E 8							
	1400	SE 8	SE 12	E 9	E 14	E 13	E 12	SE 13	E 11	E 11	SE 6	SE 8	S 13	S 10	NW 16	NW 13	NW 15	SE 21			
	1800	SE 14	SE 20	SE 18	SE 15	E 12	E 14	E 13	E 12	E 10	S 11	S 9	SE 11	SE 13	W 18	NW 20	NW 24				
MAY	1100	E 2	E 15	SE 17	SE 16	SE 17	SE 16	SE 18	SE 16	SE 14	SW 14	SE 11	SE 10	SE 12	SW 30	W 6	W 11	NW 9			
	1400	SE 7	SE 15	SE 16	SE 15	SE 15	SE 14	SE 16	SE 16	SE 16	SE 14	SE 17	SW 10	S 9	W 15	W 18	W 30				
	1800	SE 12	SE 17	SE 16	SE 18	SE 15	E 14	E 12	SE 12	SE 10	SE 12	SW 11	SW 13	SW 14	SW 17	W 11	W 29				
JUNE	1100	NE 2	E 19	E 20	E 18	E 18	SE 17	E 17	SE 16	E 16	E 16	E 18	E 13	SE 13	E 12	E 16	E 22	SE 28			
	1500	SE 9	E 12	E 13	E 17	E 17	E 18	E 19	SE 15	SE 15	SE 15	SE 17	SE 16	SE 15	SE 9	E 11	E 19				
	1900	SE 11	SE 19	SE 18	E 17	E 15	E 16	E 18	E 14	SE 13	SE 14	SE 13	SE 12	E 13	E 10	NE 7	CALM				
JULY	1100	E 2	E 19	E 18	E 18	SE 18	E 20	E 22	E 20	E 18	SE 17	E 17	E 16	E 19	E 15	SE 16	NE 12	SE 5	SE 8		
	1400	SE 8	E 17	E 15	E 16	E 16	E 17	E 16	SE 16	SE 17	E 17	SE 15	SE 14	SE 11	E 14	E 15	E 4	SE 8			
	1700	SE 11	SE 19	SE 18	E 16	E 16	E 17	E 17	E 16	SE 19	SE 21	SE 19	SE 17	SE 12	SE 17	SE 11	E 12	SE 9			
AUGUST	1100	E 2	SE 16	SE 14	SE 16	E 17	SE 16	E 19	E 17	E 16	E 16	E 18	SE 15	E 18	E 17	E 14	SE 10	SE 7	S 10		
	1400	SE 10	SE 15	E 10	E 13	E 15	E 16	E 16	E 17	E 15	E 15	E 17	E 16	E 16	E 14	E 11	SE 12	E 10			
	1700	SE 14	SE 17	SE 16	SE 18	E 15	E 14	E 14	E 15	E 13	SE 15	SE 10	E 12	E 14	E 15	SE 12	SE 18	SE 16			

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

MACORIS, D. K. - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
SEPTEMBER	1100	E 2	SE 12	SE 12	SE 13	SE 14	SE 15	SE 14	SE 13	E 14	E 14	SE 12	E 14	E 12	SE 12	SE 12	SE 10	NE 9	SE 6			
	1400	SE 7	E 14	SE 11	SE 10	SE 12	SE 13	SE 13	SE 14	SE 5	NE 5	SE 6	SE 6	SE 8	S 10	S 16	SW 17					
	1700	S 10	SE 16	SE 15	SE 14	SE 12	SE 13	SE 13	SE 13	SE 11	SE 13	SE 13	SE 15	S 9	SE 12	SW 11	SE 10	SE 9				
	2100	SE 10	S 13	SE 14	SE 15	SE 13	SE 11	E 13	E 9	E 10	SE 13	SE 13	E 10	SE 13	SE 12	SE 7	S 9	SW 10	SW 22			
OCTOBER	1100	E 2	SE 12	SE 13	SE 13	SE 13	S 12	SE 12	SE 12	S 10	S 11	SE 10	S 11	S 11	SE 7	S 8	SW 9	SW 15	SE 12			
	1600	SE 9	SE 16	SE 12	SE 12	SE 12	SE 12	SE 12	SE 13	SE 13	SE 13	S 10	S 9	S 11	SW 6	S 10						
	2000	SE 8	S 10	S 12	SE 11	SE 13	SE 13	S 12	SE 11	S 11	S 12	S 9	S 9	S 8	SW 7	SE 5	S 6	SW 8	NW 10			
NOVEMBER	1100	NE 3	E 15	NE 19	E 20	E 17	E 18	E 16	E 17	E 17	E 17	E 16	E 16	E 14	SE 8	SW 9	NE 13	NE 18	N 21			
	1700	NE 6	E 8	E 8	E 15	E 18	E 17	NE 12	E 17	E 19	S 13	S 6	SW 10	SW 10	S 7	SE 8						
	2000	NE 7	NE 19	E 15	E 13	E 14	E 13	E 14	E 16	NE 15	NE 12	E 15	E 15	E 15	E 15	E 14	NE 14	SW 8	SW 12			
DECEMBER	1100	NE 3	E 21	E 24	E 24	E 22	E 21	E 13	E 19	E 18	E 18	E 19	E 20	SE 15	SE 17	E 19	E 19	W 15	W 26			
	1700	E 8	E 6	E 17	E 18	E 18	E 18	E 19	E 19	E 15	E 14	E 11	SE 11	SE 14	SW 12	NW 14	NW 10					
	2100	SE 11	SE 16	E 14	E 15	E 13	E 15	E 16	E 17	E 18	E 16	E 18	E 14	E 18	SE 13	E 14	E 15	E 15	E 12	SW 18		
YEARLY AVERAGE		SE 11	SE 16	SE 15	E 17	E 16	E 16	E 16	E 15	E 14	SE 14	SE 13	SE 13	SE 13	SE 12	E 14	E 15	SE 13	SE 9	SW 18		

WINDS ALOFT - HIGHEST VELOCITIES - MACORIS - 1940

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

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

FORM PAA METEOR-7-1939

PAA

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

SAN JUAN, P. R. - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	0900	CALM	E 14	E 14	E 14	E 16	E 15	E 15	E 16	E 13	E 13	E 13	SW 9	E 10	NW 9	SW 10						
	1200	CALM	E 12	E 13	E 12	E 13	E 18	E 17	E 12	E 12	E 11	NE 16	NE 14	NE 12	N 6	SE 16	S 11	E 5	CALM	W 13	W 32	
	1600	E 10	E 9	E 9	SE 12	SE 14	SE 14	SE 14	E 11	E 12	E 20	SE 6	E 9	E 9	N 16							
	1900	E 12	E 15	E 12	SE 11	SE 11	S 9	SE 10	E 11	E 10	E 8	E 8	SW 11	S 9	S 13	S 14	S 15	W 18	SW 19	W 21	W42	
FEBRUARY	0800	SE 4	E 19	E 20	E 16	E 16	E 14	E 17	N 10	E 9	N 9	N 8	E 13	SW 19								
	1200	SW 3	E 14	E 17	E 16	E 15	E 15	E 18	W 5	W 8	W 9	SW 10										
	1600	E 15	E 15	E 15	E 15	SE 14	SE 13	SE 15	W 13	S 17	S 15	S 7	W 18	SW 13								
	1900	E 15	E 15	E 17	SE 13	SE 13	SE 15	SE 15	SE 12	S 11	S 11	S 12	S 10	S 12	NE 15							
MARCH	0800	NE 12	E 16	E 16	NE 11	E 12	SE 16	NE 10	SE 9	SW 16	SW 20	SW 14	SW 20	SW 17								
	1200	SE 10	E 13	E 12	E 16	NE 13	E 12	E 12	E 12	E 10	SE 8	N 9	N 10	N 8								
	1600	E 13	E 15	E 14	SE 14	SE 11	SE 11	SE 15	SE 14	E 12	E 13	E 13	E 8	E 9								
	1900	E 15	E 25	E 21	E 18	SE 14	SE 15	SE 15	S 11	E 19	E 16	E 11	E 10	NE 10								
APRIL	0800	CALM	E 14	E 17	E 17	E 18	E 13	E 14	E 12	E 12	E 11	E 14	SW 19	SW 15								
	1100	CALM	E 13	E 18	SE 18	E 15	E 12	SE 5	SE 10	E 13	SE 7	E 5	E 5	SW 15	NW 16							
	1600	E 14	E 17	E 15	SE 14	SE 14	SE 14	SE 10	SE 9	E 8	E 8	E 10	E 7	E 6	SW 12							
	1900	E 13	E 17	E 17	SE 14	SE 16	SE 14	SE 15	S 6	SE 9	E 10	E 12	E 13	E 8								
MAY	0800	SE 6	E 16	E 17	SE 17	SE 16	SE 17	E 16	SE 14	SE 13	SE 8	E 10	S 6	SW 9								
	1100	SE 5	E 14	E 15	E 15	SE 18	SE 18	SE 18	SE 16	SE 15	E 13	E 10	S 11	SE 10	W 20	W 7	SW 5					
	1600	E 12	E 17	SE 12	SE 14	SE 14	SE 13	SE 15	S 14	SE 10	E 12	S 12	SE 9	SW 17	W 11							
	1900	E 14	E 18	SE 14	SE 15	SE 15	SE 14	SE 16	SE 14	SE 12	SE 10	SW 8	SW 13	SW 20								
JUNE	0800	CALM	E 15	E 16	E 20	E 20	E 20	E 17	E 16	E 19	E 21	E 19	SE 14	E 14								
	1100	E 6	E 15	E 17	E 18	E 17	E 19	E 18	E 15	E 14	E 14	SE 12	SE 9	SE 9								
	1600	E 12	E 18	E 17	SE 14	SE 16	SE 16	SE 18	SE 16	SE 11	SE 11	E 19	E 20	E 19								
	1900	E 14	E 21	E 20	E 21	SE 18	E 17	E 16	SE 15	SE 13	SE 15	SE 13	SE 14	SE 13								

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PAA

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

SAN JUAN, P. R. - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JULY	0300	E 8	E 16	E 18	E 20	E 21	E 19	E 19	E 20	E 20	E 20	E 15	E 12	E 14	S 10	E 2	E 12					
	1200	E 10	E 15	E 18	E 20	E 19	E 20	E 20	E 19	E 17	E 19	E 20	E 15	E 13	E 12	E 10	SE 8	E 7	SE 6			
	1700	E 15	E 20	E 18	E 18	E 20	E 20	E 21	E 21	E 20	E 16	E 19	E 16	E 16	E 15	SE 10						
	1900	E 16	E 20	E 15	SE 16	SE 14	SE 14	SE11	E 18	E 18	E 16	E 18	E 18	E 21	NE 25							
AUGUST	0900	E 6	E 16	E 17	E 19	E 19	E 20	E 18	E 19	E 19	E 17	E 16	E 15	E 13	NE 8	E 14	SE 12					
	1300	E 7	E 14	E 16	E 17	E 19	E 19	E 17	E 17	E 14	E 18	E 11	SE 12	SE 12	E 15	E 14	E 10	SE 16	SE 16			
	1700	E 14	E 18	E 16	SE 11	SE 14	SE 14	E 16	SE 14	E 19	E 18	E 15	E 15	E 14	E 16	E 15	E 10	E 9				
	2000	E 12	E 17	E 14	E 14	E 9	E 6	E 9	E 9	E 9	E 10	E 10	NE 9	NE 9	E 6							
SEPTEMBER	0900	CALM	E 11	E 11	E 14	SE 15	E 16	E 13	E 16	E 15	E 15	E 13	E 12	E 12	SE 15	SE 14	SE 15	E 10				
	1300	E 8	E 10	E 13	E 15	SE 14	SE 15	SE 13	SE 13	SE 12	SE 11	E 13	E 11	SE 10	SE 9	SE 11	SE 11	SE 12	E 17			
	1700	E 11	E 14	SE 9	SE 11	SE 13	SE 11	SE 12	SE 14	SE 16	E 14	SE 14	E 10	E 10	NE 11	NE 12	N 11	NE 11				
	2100	E 10	E 13	SE 11	SE 11	SE 11	SE 11	SE 9	SE 12	E 8	E 8	E 11	E 12	E 9	E 12	E 13	SE 9	E 15				
OCTOBER	0900	SE 3	E 10	SE 10	SE 14	SE 15	SE 14	SE 12	SE 11	S 11	S 11	S 13	SE 10	SE 11	S 11	SW 9	SE 10	SE 6				
	1300	SE 8	E 9	SE 13	SE 13	SE 15	SE 14	SE 15	SE 14	SE 14	SE 12	S 11	S 15	S 10	S 13	S 13	SW 7	SW 7	W 13			
	1700	SE 8	SE 10	SE 12	SE 11	SE 12	SE 12	SE 11	SE 10	S 16	S 13	S 10	S 14	S 12	SE 7	E 10	E 8	E 8				
	2100	SE 9	SE 14	SE 15	S 13	S 11	S 10	SE 10	SE 12	SE 10	SE 10	SE 8	SE 9	SE 8								
NOVEMBER	0900	E 15	E 18	E 18	E 19	E 16	E 17	E 16	E 18	E 15	E 15	E 11	E 15	E 12	E 12	SE 13	SE 10	E 13				
	1300	E 11	E 17	E 17	E 18	E 18	E 17	E 18	E 17	E 14	E 14	E 15	E 18	E 16	E 17	E 12	E 20	E 13				
	1700	E 14	E 17	E 16	E 17	E 16	E 17	E 17	E 17	E 15	E 18	E 12	S 6	S 8	S 5	SW 6	S 9	S 8				
	2100	E 11	E 14	E 15	E 12	SE 13	SE 11	E 11	E 14	S 7	E 16	E 16	E 13	E 11	E 11							
DECEMBER	1000	E 9	E 18	E 17	E 17	E 19	E 21	E 19	E 18	E 12	E 14	E 15	E 10	E 12	E 11	E 12	E 12					
	1300	E 10	E 15	E 17	E 20	E 20	E 21	E 21	E 18	E 17	E 14	E 17	E 15	E 17	E 15	E 15	E 8	NE 7				
	1700	E 14	E 16	E 19	E 20	E 17	E 18	E 16	E 21	E 22	E 18	E 17	E 15	E 16	E 20	E 6	E 10					
	2100	E 16	E 18	E 19	E 19	SE 16	SE 16	E 18	E 18	E 19	E 19	E 16	E 17	E 17	E 17							
YEARLY AVERAGE		E 12	E 16	E 16	E 17	SE 14	SE 14	E 15	E 16	E 15	E 15	E 14	E 15	E 15	E 15	E 11	E 11	E 10	SE 11	W 17	W 37	

WINDS ALOFT - HIGHEST VELOCITIES - SAN JUAN - 1940

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

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

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

ST. JOHNS, ANTIGUA - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	0600	E 6	E 14	E 14	E 16	E 17	E 17	E 17	E 12	N 8	E 14	NE 14	NE 11	NE 8								
	1300	E 6	E 14	E 17	E 16	SE 14	SE 16	E 14	E 12	E 17	E 18	E 18	E 16	E 17	E 6	NE 6	NE 6					
	1900	E 10	E 14	E 16	E 16	E 15	E 15	E 15	E 14	SE 12	SE 12	SE 8	S 11	S 10								
FEBRUARY	0600	E 6	E 14	E 15	E 16	E 16	E 18	N 7	N 9	NE 9	E 16	NE 9	NE 7	NE 8	NE 7							
	1300	E 8	E 14	E 18	E 18	E 19	E 20	E 17	E 19	E 13	SE 8	SE 14	E 10	SE 10	SE 13							
	1900	E 10	E 16	E 16	E 16	E 14	NE 13	NE 12	E 7	E 6	S 13	SE 11	W 12	W 13								
MARCH	0600	E 6	E 17	E 19	E 20	E 16	E 17	S 12	SE 11	SE 9	SE 10	N 16	NW 11	N 17								
	1300	E 10	E 19	E 24	E 23	E 19	E 22	E 13	E 17	N 6	E 15	E 13	SW 18	S 11								
	1900	E 12	E 17	E 18	SE 15	E 14	E 15	SW 9	SW 10	SW 8	SW 7	NW 13	NW 16	NW 17	NW 26							
APRIL	0600	E 7	E 18	E 20	E 19	E 17	E 18	E 16	E 11	E 12	E 9	NE 9	E 8	NE 11								
	1300	E 11	E 12	E 16	E 18	E 18	E 18	E 12	E 13	E 14	E 8	NE 10	S 18	S 14								
	1900	E 11	E 17	E 18	E 17	E 16	E 17	E 12	SE 13	S 9	SW 12	SW 11	SW 11	SW 11								
MAY	0600	E 5	E 18	E 18	E 20	E 19	E 19	E 18	E 13	E 11	E 10	E 8	S 7	E 7								
	1300	E 11	E 18	E 18	E 19	E 19	E 20	E 17	E 13	E 12	NE 10	NE 10	N 6	NE 7	E 8							
	1900	E 11	E 14	SE 15	SE 17	SE 13	SE 14	SE 13	SE 7	SE 9	SE 8	SE 8	S 8	SE 8								
JUNE	0600	E 7	E 18	E 20	E 21	E 21	E 19	E 20	E 17	E 14	E 15	E 20	NE 20	NE 20								
	1300	E 11	E 18	E 19	E 22	E 20	E 22	E 21	SE 12	E 15	SE 10	SE 14										
	1900	E 14	E 16	E 17	E 18	E 18	E 16	E 16	E 18	E 20	E 12	E 14	E 15	E 17								
JULY	0600	E 11	E 20	E 20	E 23	E 24	E 23	E 19	E 16	E 16	E 18	E 17	E 11	E 13								
	1100	E 11	E 20	E 21	E 24	E 23	E 23	E 21	E 20	E 20	E 20	SE 19	SE 19	E 15	SW 21	SW 21	S 28	S 29				
	1700	E 11	E 17	E 17	E 19	E 18	E 20	E 19	E 18	E 18	SE 13	E 17	E 18	E 16	SW 16	S 21	S 16	S 16				
AUGUST	0600	E 8	E 17	E 19	E 22	E 21	E 21	E 20	E 16	E 15	E 14	SE 16	E 17	E 14								
	1100	E 11	E 16	E 18	E 17	E 19	E 19	E 17	E 16	E 15	E 14	SE 13	NE 11	E 13	E 5							
	1400	E 15	E 12	E 19	E 20	SE 15	E 18	E 19	SE 17	SE 18	E 19	SE 19	SE 16									
	1700	E 15	E 14	E 17	E 17	E 15	E 16	E 16	E 15	SE 14	SE 14	E 11	E 14	E 14	E 15							

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

ST. JOHNS, ANTIGUA - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL												DIRECTION — COMPASS POINTS								SPEED — KNOTS							
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000							
SEPTEMBER	0800	E 5	E 15	E 16	E 16	E 18	E 17	E 16	E 15	SE 13	SE 17	E 14	E 13	SE 11	SE 7	E 6													
	1200	SE 7	SE 12	SE 13	SE 16	E 16	E 14	E 12	E 11	E 11	SE 15	SE 10	E 12	E 8	SE 15	SE 11	N 6	E 11											
	1700	E 15	E 15	E 15	E 11	SE 12	SE 9	SW 16	SW 14	S 12	SW 20	E 11	SW 15	SE 9	E 10	NE 10	N 7	N 16											
	2100	E 10	E 11	E 13	E 13	E 13	E 14	E 15	E 10	E 12	E 9	E 11	E 10	E 12	SW 10	NW 11	SE 12	SE 13											
OCTOBER	0800	E 4	E 14	E 15	E 15	E 15	E 15	E 14	E 15	E 12	E 12	E 14	SE 14	SE 18	SE 11	W 7													
	1200	SE 9	E 14	SE 18	SE 16	E 16	E 14	E 13	E 11	E 11	SE 11	E 14	E 11	E 13	SE 6	SE 9	NE 9	NE 6											
	1600	E 11	E 15	E 15	SE 13	SE 15	SE 12	SE 13	SE 10	SE 11	E 4	E 6	NE 7	NE 8	NE 8	E 8	E 7	E 9											
	2100	E 10	E 14	E 15	E 15	E 15	E 14	SE 12	SE 12	SE 11	E 11	SE 11	SE 10	E 10	SE 7	E 13	E 10	SE 6	NW 5										
NOVEMBER	0800	E 9	E 17	E 19	E 21	E 21	E 19	E 19	E 17	E 15	E 14	E 17	E 6	E 14	NE 15	S 8	S 8												
	1100	E 11	E 18	E 18	E 18	E 21	E 21	E 21	E 19	E 15	E 13	E 18	E 15	S 9	SW 8	S 6	S 9	S 7											
	1700	E 16	E 16	E 19	E 15	E 21	E 20	E 16	E 14	E 15	E 15	E 16	E 18	SW 9	SW 12	SW 12	SW 15	SW 13											
	2100	E 9	E 18	E 17	E 18	E 17	E 17	E 15	E 14	E 11	E 13	E 12	E 16	E 16	NE 11	NE 13	NE 6	NE 9											
DECEMBER	0900	E 9	E 18	E 19	E 20	E 23	E 23	E 21	E 16	NE 13	E 15	NE 9	E 11	E 12	E 14	E 21													
	1200	E 12	E 19	E 19	E 20	E 20	E 22	E 19	E 18	E 15	E 15	E 17	E 14	E 17	E 20	E 11	S 7	NW 13											
	1700	E 13	E 19	E 21	E 23	E 21	E 19	E 19	E 22	E 18	E 19	E 21	E 12	E 18	E 10	NE 1	NE 8	NE 10											
	2100	E 11	E 19	E 20	E 19	E 20	E 20	E 19	E 18	E 15	E 16	E 16	E 14	E 16	NE 7	N 18	N 15	W 20											
YEARLY AVERAGE		E 10	E 16	E 16	E 18	E 18	E 18	E 17	E 15	E 14	E 14	E 15	E 13	E 13	E 11	E 12	S 14	S 17	NW 5										

WINDS ALOFT - HIGHEST VELOCITIES - ST. JOHNS - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	ENE 20 18	E 25 23	E 27 24	E 26 30	E 26 30	E 23 18	ENE 22 5	SE 22 3	ESE 22 3
FEBRUARY	SE 16 14	ENE 33 6	ENE 32 6	ENE 32 6	ENE 27 24	E 28 10	SSE 19 14	SSE 20 22	S 17 22
MARCH	S 22 8	E 35 28	ESE 32 22	E 35 28	E 30 25	E 26 27	SW 19 9	WSW 18 9	NW 25 14
APRIL	E 18 9	E 32 25	E 28 5	E 25 4	SE 26 27	E 24 9	SW 22 21	S 24 23	NNE 16 16
MAY	E 18 31	E 31 31	SE 33 20	SE 29 20	E 27 31	E 27 31	E 24 30	SE 12 16	WSW 20 22
JUNE	E 23 12	E 39 12	E 33 28	E 30 28	ENE 30 13	E 27 1	E 25 17	E 24 20	E 26 27
JULY	ESE 22 23	E 46 12	E 30 17	ESE 35 17	ESE 34 22	ESE 29 16	SE 32 12	SE 30 12	ESE 30 28
AUGUST	SE 28 5	SSE 28 18	ESE 34 19	ESE 35 26	ESE 28 26	E 31 26	ESE 33 25	E 22 2	ESE 29 6
SEPTEMBER	SE 25 1	ENE 25 8	ESE 21 7	ESE 30 7	ESE 28 6	ESE 27 6	ESE 29 6	ESE 27 6	ESE 25 5
OCTOBER	SE 22 6	ESE 28 7	E 24 13	E 31 13	E 24 7	E 24 7	ESE 19 22	ESE 23 13	ESE 22 23
NOVEMBER	S 20 14	ENE 29 29	ENE 28 29	NE 28 11	NE 39 4	E 35 30	ENE 26 28	ENE 34 29	E 23 29
DECEMBER	ENE 22 16	E 34 18	ENE 37 18	E 40 18	E 36 18	E 28 2	ESE 31 5	E 30 2	E 24 5

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

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

*FORT DE FRANCE, MARTINIQUE - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	0800	E 6	E 19	E 24	E 25	E 24	E 27	E 26	E 28	E 26	E 24	E 24	E 19	E 20								
	1200	E 9	E 17	E 20	E 26	E 26	E 26	E 24	E 20	SE 24	SE 23	SE 21	SE 21	SE 28	SE 22							
	1900	E 9	E 17	E 19	E 21	E 22	E 21	E 20	E 19	E 18	E 18	E 16	SE 24	SE 18								
FEBRUARY	0800	E 6	E 21	E 24	E 26	E 24	E 25	E 21	E 16	E 18	E 21	E 23	SE 26	S 12								
	1200	E 11	E 17	E 23	E 30	E 30	E 31	E 28	E 28	E 32	E 30	E 25	SE 29	E 18								
	1900	E 10	E 21	E 20	E 22	E 23	E 24	E 26	E 26	E 26	E 15	E 18	W 9									
MARCH	0700	E 8	E 20	E 24	E 22	E 22	E 19	E 21	E 15	E 16	E 18	S 11	S 14	E 18								
	1200	E 12	E 20	E 25	E 26	E 28	E 26	E 31	E 29	E 23	E 16	E 8	E 8	E 9								
	1900	E 10	E 19	E 24	E 23	E 22	E 24	E 21	E 21	E 24	E 28	E 22	S 4									
APRIL	0700	E 6	E 18	E 25	E 27	E 28	E 25	E 23	E 19	E 17	E 17	E 13	SE 23	W 18								
	1200	E 15	E 16	E 23	E 30	E 30	E 27	E 25	E 19	NE 5	NE 10	NW 4	NW 15	N 6								
	1900	E 11	E 19	E 24	E 23	E 24	SE 20	E 14	E 11	E 19	SW 23	SW 22	W 27	W 30								
MAY	0800	E 10	E 20	E 26	E 30	E 30	E 28	E 23	E 20	E 17	E 11	E 14	SE 14	E 9								
	1200	E 14	E 17	E 20	E 26	E 28	E 27	E 21	E 23	E 23	E 16	SE 7										
	1900	E 14	E 17	E 20	E 22	E 25	E 20	E 27	SE 26	SE 21	E 21	SE 17										
JUNE	0800	E 13	E 21	E 27	E 30	E 30	E 28	E 25	E 26	E 27	E 27	E 10	W 11	W 14								
	1200	E 15	E 18	E 24	E 28	E 28	E 27	E 25	E 24	E 20	E 19	E 17	W 14									
	1900	E 14	E 16	E 20	E 22	E 25	E 20	E 19	E 17	E 20	E 18	W 14										
JULY	0700	E 12	E 18	E 24	E 27	E 28	E 26	E 24	E 22	E 23	E 13	SE 2										
	1100	E 15	E 17	E 23	E 30	E 29	E 29	E 29	E 30	E 28	E 22	E 27	E 38									
	1700	E 13	E 17	E 23	E 24	E 25	E 27	E 25	E 23	SE 11	SE 8	E 17										
AUGUST	0600	E 9	E 16	E 20	E 22	E 24	E 23	E 21	E 19	E 20	E 19	E 16	E 13									
	1000	E 9	E 16	E 22	E 24	E 26	E 22	E 24	E 22	E 17	E 17	SE 12	S 15									
	1700	E 12	E 13	E 17	E 18	E 20	E 21	E 21	SE 21	SE 19	SE 23	E 23										

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

*FORT DE FRANCE, MARTINIQUE - 1940

STATION	TIME OCT	ALTITUDE — FEET ABOVE SEA-LEVEL																						DIRECTION — COMPASS POINTS / SPEED — KNOTS
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000	
SEPTEMBER	0900	E 7	E 14	E 17	E 18	E 18	E 16	E 17	E 18	E 8	E 6	E 5											
	1200	E 6	E 11	E 16	E 19	E 17	E 17	SE 18	S 15	S 13	E 16	E 14	S 16	NW 3									
	1700	E 9	E 15	E 13	E 12	E 15	E 13	E 11	S 13	S 15	E 10	SE 16	S 12	SE 15									
	2100	E 7	E 11	E 15	E 17	E 16	E 13	E 12	E 15	E 13	E 15	SE 7											
OCTOBER	0900	E 8	E 14	E 19	E 22	E 20	E 19	E 21	SE 17	SE 13	SE 11	SE 7	SE 6	SE 4									
	1100	E 9	E 13	E 19	E 22	E 22	E 22	E 15	SE 15	SE 15	SE 11	E 12	SE 28										
	1600	E 9	E 13	E 14	E 18	E 18	E 20	E 16	E 18	E 16	SE 17	SE 13											
	2100	E 8	E 13	E 17	E 18	E 20	E 18	E 17	E 18	E 15	E 13	E 10											
NOVEMBER	0900	E 10	E 17	E 19	E 23	E 20	E 18	E 15	E 15	E 14	E 10	S 23	N 10	N 9									
	1200	E 9	E 12	E 20	E 24	E 22	E 22	E 22	E 19	E 15	E 15	E 17											
	1700	E 9	E 15	E 21	E 21	E 24	E 32	SE 21	SE 21	SE 10	E 6	SE 10											
	2100	E 10	E 12	E 20	E 21	E 19	E 19	E 19	E 15	E 14	E 10	E 13	E 13	E 9									
DECEMBER	0900	E 10	E 18	E 22	E 24	E 23	E 24	E 21	E 11	E 11	E 5	NE 11											
	1200	E 11	E 17	E 22	E 25	E 25	E 23	E 20	E 22	E 15	E 15	E 15											
	1700	E 15	E 22	E 24	E 25	E 24	E 25	E 24	E 13	E 17	E 20	E 21											
	2100	E 11	E 17	E 21	E 24	E 23	E 22	E 21	E 20	E 16	E 17	E 15											
YEARLY AVERAGE		E 10	E 17	E 21	E 23	E 24	E 23	E 22	E 21	E 20	E 17	E 16	SE 21	E 14	SE 22								

*All observations made by local Government Observatory.

WINDS ALOFT - HIGHEST VELOCITIES - FORT DE FRANCE - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	E 16 4	E 32 8	E 40 30	E 40 30	E 47 30	E 41 30	E 40 8	SE 32 2	ESE 28 24
FEBRUARY	E 22 8	ENE 32 6	ENE 45 10	ENE 52 10	ESE 46 10	E 45 7	E 42 7	E 45 10	E 18 17
MARCH	E 22 28	E 36 29	E 40 29	E 3 8 29	E 40 27	E 40 27	ENE 45 27	E 53 26	E 16 29
APRIL	E 22 11	ESE 34 17	ENE 43 8	E 47 11	E 40 1	SE 42 27	E 32 25	E 32 25	W 30 19
MAY	ENE 22 30	E 41 30	ENE 47 30	ENE 60 31	E 52 30	ESE 42 28	ENE 46 31	E 26 14	E 9 2
JUNE	ENE 28 11	ENE 35 11	NE 40 1	ENE 55 13	E 49 11	E 55 11	E 86 11	NE 24 14	W 14 7
JULY	ENE 22 15	ENE 40 13	ENE 40 13	E 42 13	E 46 17	E 42 13	E 40 23	ENE 29 19	
AUGUST	ENE 18 25	ENE 37 17	E 34 26	ESE 38 1	ESE 42 10	ESE 45 10	SE 31 6	E 29 20	
SEPTEMBER	E 13 7	ENE 22 25	ESE 24 30	ESE 27 7	E 31 25	ESE 38 7	ESE 33 7	SE 31 7	SE 15 29
OCTOBER	SE 20 16	E 22 13	ENE 31 28	ESE 28 23	E 35 28	E 35 28	ENE 30 28	ENE 35 28	SE 4 12
NOVEMBER	ENE 20 20	ENE 30 26	E 36 30	E 42 26	ESE 57 27	E 42 26	ESE 33 18	SSE 44 14	E 13 16
DECEMBER	E 20 18	E 44 1	E 35 17	E 37 18	ESE 45 1	E 43 1	ESE 32 2	E 28 5	

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

Local Government Observatory Observations.

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

PORT OF SPAIN, TRINIDAD - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL								DIRECTION — COMPASS POINTS					SPEED — KNOTS								
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	0800	CALM	E 8	E 12	E 17	E 17	E 14	E 13	E 13	E 14	E 15	E 14	E 13	E 13	W 14							
	1200	E 7	E 10	E 14	E 18	E 20	E 19	E 19	E 17	E 17	E 20	E 23										
	2100	E 11	E 10	E 11	E 11	E 13	E 13	E 15	E 14	SE 13	SE 18	E 18	E 17	E 20								
FEBRUARY	0800	E 4	E 10	E 13	E 20	E 17	E 16	E 16	E 12	E 11	E 10	E 11	E 13	E 15								
	1300	SE 14	SE 18	E 15	E 17	SE 16	E 20	SE 15	NE 10	E 12	NE 9	NE 16	NE 16	E 17								
	2000	E 14	E 14	E 11	E 10	E 10	E 12	E 10	E 13	E 11	E 10	E 9	E 10	E 10								
MARCH	0800	E 7	E 13	E 18	E 19	E 19	E 16	E 18	E 14	NE 7	E 11	E 13	E 12	E 3								
	1200	SE 5	E 12	E 12	E 22	E 21	E 16	E 10	E 10	SE 13	SE 11	SE 11	SE 15	SE 13	SE 10							
	1500	E 5	E 8	E 26	E 9	E 13	E 16	E 14	E 17	E 13	E 13	E 9	E 9									
	2100	E 16	E 18	E 20	E 17	E 16	E 14	E 14	SE 10	E 12	E 14	NE 5										
APRIL	0800	E 8	E 11	E 14	E 19	E 20	E 18	E 16	SE 16	E 16	E 21	E 18	E 15	E 19								
	1200	E 6	E 9	E 10	E 15	E 15	E 20	E 14	SE 14	E 16	SE 5	S 8										
	1500	SE 16	SE 14	E 10	E 11	SE 24	E 16	E 14	E 16	E 40	E 22	E 20										
	2000	E 13	E 13	E 16	E 13	E 13	E 12	E 13	SE 11	E 14	SE 30											
MAY	0800	E 7	E 10	E 14	E 22	E 20	E 19	E 19	E 16	E 12	E 10	E 10	E 12	E 8	N 7	N 8						
	1200	SE 10	E 14	E 14	E 16	E 21	E 23	E 17	SE 13	SE 11	SE 10	SE 14	SE 10	SE 9	SE 6	E 6	E 4	NE 7				
	1600	SE 11	E 17	E 12	E 11	E 17	E 14	SE 14	SE 17	SE 14	E 18	SE 17	NE 4	E 4								
	1900	SE 15	SE 12	E 13	E 11	E 11	E 13	E 12	E 10	SE 14	E 14	E 9	E 7	SE 10	N 6	NE 5	W 5	W 2				
JUNE	0800	E 6	E 10	E 12	E 19	E 20	E 19	E 19	E 20	E 16	SE 10	E 16	SE 11	E 15								
	1200	E 7	E 11	E 14	E 17	E 23	E 21	E 19	E 19	E 22	E 24	E 19										
	1500	SE 15	SE 16	E 14	E 10	E 17	SE 18	E 16	E 16	E 20	E 14											
	1800	E 12	E 12	E 11	E 13	E 14	E 17	E 14	E 17	E 19	E 22	E 14	E 15	E 15								
JULY	0800	E 7	E 11	E 14	E 20	E 21	E 21	E 20	E 20	E 20	E 20	E 19	E 24	E 23	E 20							
	1500	E 5	E 10	E 10	E 13	E 18	E 17	E 18	E 18	E 20	E 21	E 22	E 19	E 24								
	1700	SE 12	E 9	E 9	E 11	E 14	E 15	E 18	E 18	SE 21	E 21	SE 22	SE 28	E 24								

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

PORT OF SPAIN, TRINIDAD - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
AUGUST	0600	E 6	E 8	E 11	E 15	E 15	E 16	E 14	E 15	E 18	E 18	E 19	E 19	E 18	E 22							
	1100	E 6	E 9	E 11	E 15	E 15	E 16	E 17	E 18	E 20	E 21	E 23	E 19	E 19								
	1700	SE 5	E 5	E 9	E 11	SE 11	SE 11	SE 13	SE 14	E 15	E 17	E 18	E 16	E 15								
SEPTEMBER	0600	E 10	E 10	E 14	E 17	E 15	E 14	SE 10	E 14	SE 8	E 12	E 13	SE 11	SE 11	E 13							
	1200	E 8	E 12	E 12	E 15	SE 23	SE 21	SE 19	SE 18	SE 13	SE 12	SE 12	SE 13	SE 13	SE 9							
	1700	SE 10	SE 19	SE 13	E 10	E 11	E 8	E 11	E 14	E 15	E 12	E 11	SE 14	E 16	E 10	E 6						
	2100	E 8	E 10	E 10	E 13	SE 14	SE 15	SE 18	E 14	E 14	E 12	E 14	SE 13	E 17	E 17	E 15	E 15					
OCTOBER	0900	E 10	E 13	E 13	E 15	E 16	E 17	E 13	E 12	SE 8	SE 10	SE 8	SE 8	E 11	E 13	E 12						
	1200	E 12	SE 6	E 12	E 15	SE 23	E 19	SE 17	E 14	E 11	SE 15	E 12	E 13	E 12	SE 10	SE 7	SE 9	E 8				
	1700	E 14	E 14	E 10	E 9	E 11	E 14	SE 12	E 8	SE 15	SE 16	S 20	SE 15	SE 15								
	2100	E 10	E 12	E 11	E 12	E 13	E 13	SE 15	E 11	E 16	E 17	E 16	E 15	E 11	NE 12	NE 10	NE 12					
NOVEMBER	0900	E 5	E 7	E 11	E 14	E 16	E 16	E 13	E 16	E 12	E 9	E 13	E 12	E 12	E 14	E 14	E 20					
	1200	E 6	E 11	E 13	E 13	E 15	E 14	E 14	E 14	E 13	E 13	E 15	E 14	NE 12	E 10	E 6	SE 10					
	1700	SE 9	E 10	SE 13	SE 12	E 14	SE 16	SE 14	SE 13	SE 16	E 16	SE 17	S 11	S 11								
	2100	E 13	E 12	E 15	E 14	E 15	E 17	E 17	E 16	E 15	E 14	E 16	E 15	SE 12	E 17	SE 14	SE 11	SE 6				
DECEMBER	1000	E 7	E 12	E 13	E 16	E 18	E 17	E 15	E 15	E 14	SE 16	E 14	E 15	E 13	SW 5	SW 13	W 4	NW 6	W 12			
	1200	E 6	E 8	E 13	E 18	E 21	E 20	E 17	E 15	E 13	E 14	NE 14	E 15	NE 10	CALM	W 8	W 6					
	1600	NE 3	E 8	E 10	E 15	E 18	E 20	E 15	E 20	E 16	E 26											
	2100	CALM	E 9	E 10	E 13	E 17	E 17	E 16	E 16	E 19	E 15	E 15	NE 7	SE 18	NE 8	SE 8	SW 6	NW 16				
YEARLY AVERAGE		E 8	E 11	E 13	E 15	E 16	E 17	E 15	E 15	E 16	E 16	E 16	E 14	E 15	E 15	E 10	E 13	NW 10	W 12			

WINDS ALOFT - HIGHEST VELOCITIES - PORT OF SPAIN - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	E 20 23	SE 20 14	E 29 3	E 29 5	E 25 30	ESE 28 2	E 29 2	ESE 30 3	ESE 29 4
FEBRUARY	ESE 30 12	ESE 36 22	E 30 21	ESE 31 14	ESE 30 22	ESE 27 22	ENE 18 1	SE 20 15	E 21 13
MARCH	E 24 12	ESE 29 10	ESE 37 20	E 31 11	ESE 29 21	ENE 27 29	SE 23 8	SE 15 26	ESE 20 26
APRIL	E 28 22	ESE 30 19	ESE 38 28	ESE 30 27	ESE 40 25	SE 35 23	E 40 25	ENE 22 25	E 25 5
MAY	ESE 30 2	ESE 36 10	E 28 13	ENE 32 31	ESE 39 28	E 40 31	ESE 20 28	SE 17 9	SE 15 9
JUNE	E 30 9	ESE 31 18	ESE 24 25	E 28 29	E 33 1	E 31 1	E 25 22	E 19 28	ESE 15 21
JULY	ESE 20 1	ESE 20 1	E 30 21	E 43 12	E 30 14	ENE 36 10	E 30 14	E 25 27	E 30 27
AUGUST	ESE 12 5	ESE 21 5	ESE 22 6	ESE 24 19	E 25 20	E 27 24	E 32 20	E 35 25	ENE 25 7
SEPTEMBER	ESE 20 16	ESE 37 14	ESE 27 14	SE 30 14	SE 33 14	SE 28 29	E 27 24	E 19 20	ESE 21 19
OCTOBER	ESE 25 24	ESE 30 25	ESE 34 25	ESE 30 6	SE 44 25	ESE 31 6	ESE 30 26	E 21 5	NE 19 6
NOVEMBER	ESE 22 17	ESE 32 17	ESE 39 17	SE 31 17	NE 25 10	ESE 33 17	E 31 17	E 39 17	E 47 17
DECEMBER	E 14 7	E 23 9	E 24 6	SE 30 9	E 30 1	E 24 1	SE 30 6	ESE 20 9	ESE 24 22

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

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

GEORGETOWN, D.C. - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL								DIRECTION — COMPASS POINTS						SPEED — KNOTS						
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1100	NE 3	NE 13	NE 13	NE 13	NE 14	NE 13	NE 14	NE 10	E 15	SE 11	SW 13	E 16	E 20								
	1600	NE 9	NE 15	NE 17	E 14	E 16	E 10	E 10	E 10													
FEBRUARY	1100	NE 10	NE 16	NE 19	NE 17	NE 16	NE 16	NE 15	E 13	E 18	E 20	E 23										
	1500	NE 9	E 16	E 15	E 19	E 15	E 16	E 21	E 18	E 15	E 19											
MARCH	0600	NE 5	NE 15	NE 16	NE 15	E 18	E 21	E 15	SE 13	NW 9	SW 8	W 9	SE 8	E 7								
	1200	E 8	E 15	E 16	E 18	E 19	E 22	E 23	E 37	E 33	E 28	E 20	NE 13	NE 19								
	1500	NE 10	NE 12	NE 13	E 13	E 13	SW 16	SW 30	N 9	E 19	E 17	W 13	W 16	W 13								
APRIL	0600	NE 11	E 20	E 17	E 20	E 17	E 18	E 23	E 22	E 27	E 28	SE 8	SE 6	SE 6								
	1300	NE 7	E 17	E 12	E 14	E 17	NE 16	E 14	E 17	E 23	E 24	E 20	E 20	NE 11								
	1700	E 12	E 23	E 24	E 15	E 14	E 17	E 16	E 20	E 28												
MAY	0700	E 9	NE 16	E 17	E 21	E 20	E 19	E 15	E 21	E 17	E 17											
	1200	E 9	E 14	E 15	E 18	E 19	E 16	E 16	E 17	E 12	E 14											
	1900	NE 15	NE 5	E 13	E 14	E 13	E 13	E 15	E 19	E 20	E 18	E 20	E 18	E 16	SE 9	NE 6	SE 14	NE 10	NE 10			
JUNE	0700	E 4	E 12	E 17	E 18	E 18	E 20	E 18	E 24	E 20	E 19	E 18	E 19	E 20								
	1200	E 8	E 13	E 14	E 15	E 17	E 18	E 21	E 20	E 18	E 33	E 28	E 27	E 12	SE 10							
	1900	E 6	E 14	E 14	E 12	E 11	E 15	E 14	E 15	E 24	E 23	E 24	E 18	E 20								
JULY	0700	E 10	E 17	E 16	E 18	E 16	E 15	E 16	E 17	E 18	E 20	E 20	E 21	E 22								
	1200	E 12	E 12	E 14	E 15	E 13	E 13	E 16	E 18	E 20	E 21	E 21	E 24	E 20	E 17	E 25	NE 22	E 20				
	1700	E 14	E 13	E 13	E 14	SE 16	SE 19	SE 15	E 10	E 25	E 17	SE 13	E 8									
AUGUST	0700	E 7	E 16	E 17	E 16	E 14	E 12	E 12	SE 15	E 14	E 15	E 21	E 24	E 25								
	1300	E 11	E 10	E 11	E 12	E 11	E 9	E 11	E 14	E 18	E 23	E 20	E 20	SE 21	E 29	E 20	E 19					
	1700	E 12	E 14	E 14	E 9	E 10	SE 13	SE 15	SE 15	E 18	E 19	E 24	E 23	E 19	E 20	E 24	E 16					

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

GEORGETOWN, B.G. - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
SEPTEMBER	0800	E 8	E 17	E 18	E 18	E 20	E 17	E 19	E 18	E 16	E 18	E 18	SE 18	E 16								
	1200	E 12	E 12	E 15	E 16	E 18	SE 14	SE 16	SE 24	E 30	E 23	E 20	E 22	E 22	SE 17	E 13						
	1500	E 25	E 13	E 14	E 12	SE 10	E 16	E 20	SE 27	SE 25	SE 26	SE 17										
	2100	E 6	E 16	E 16	E 16	E 14	E 15	E 16	E 16	E 16	E 14	E 17	E 19	E 17	E 15	E 14	E 13	E 13	E 9			
OCTOBER	1000	E 15	E 16	E 17	E 17	E 12	E 12	E 15	E 15	E 19	E 21	E 30	E 32	E 24								
	1400	SE 9	E 11	E 13	E 14	E 7	E 8	E 12	E 16	E 12	NE 13	E 17	E 15	NE 15								
	2100	E 6	E 17	E 16	E 15	E 12	E 13	E 14	E 15	E 14	E 17	E 17	E 15	E 17	E 15	E 16						
NOVEMBER	1000	E 19	E 17	E 16	E 16	E 20	SE 10	E 11	E 14	E 12	E 12	E 15	NE 9	E 9	E 7	NE 10	NE 12	NE 10				
	2100	E 21	E 17	E 16	E 10	E 9	E 9	E 10	E 8	SE 10	SE 11	NE 11	SE 11	E 10	E 14	SE 12	SE 10	SE 9				
DECEMBER	0900	E 16	NE 12	E 16	NE 16	E 18	E 19	E 17	E 12	E 11	E 10	E 9	E 7	N 5								
	1100	E 13	E 9	E 14	E 17	E 20	E 19	E 16	E 13	E 6	E 8	SE 8	E 9	NE 10	E 4	E 5	SE 20					
	1500	E 16	E 12	E 9	E 15	E 11	SE 15	E 19	E 20													
	2100	NE 11	NE 12	NE 18	E 21	E 19	E 20	E 17	E 18	E 17	E 18	E 18	E 28	E 20	NE 11	E 9	NE 7	NE 10				
YEARLY AVERAGE		E 12	E 15	E 15	E 15	E 15	E 15	E 12	E 17	E 16	E 19	E 20	E 19	E 18	E 15	E 13	E 16	NE 10	NE 10			

WINDS ALOFT - HIGHEST VELOCITIES - GEORGETOWN - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NE 14 22	ENE 30 4	NE 23 4	ENE 23 22	NE 17 24	NE 18 5	E 15 13	ESE 13 24	ENE 20 24
FEBRUARY	NE 22 27	NE 27 23	NE 27 23	ENE 27 21	ENE 20 12	ENE 21 12	ENE 18 10	E 23 10	
MARCH	NW 20 6	ENE 29 7	ENE 26 8	NW 37 6	ENE 30 19	E 30 7	ESE 33 20	E 20 20	NE 19 20
APRIL	E 20 23	ENE 38 29	ENE 45 29	ENE 23 30	E 28 29	ENE 32 25	ENE 31 25	E 20 24	ENE 19 24
MAY	SSE 21 8	NE 25 7	ENE 24 29	ENE 29 31	E 26 7	E 22 31	E 27 10	E 28 10	E 21 10
JUNE	ENE 20 4	NE 26 13	NE 21 13	E 27 12	E 26 12	E 30 12	ESE 29 22	E 36 25	E 20 21
JULY	ESE 32 13	ESE 29 13	ESE 35 13	ESE 35 13	ESE 32 13	ESE 29 13	E 29 13	E 29 13	E 22 7
AUGUST	ESE 22 31	ENE 30 23	ENE 35 23	E 25 23	SE 18 1	SE 21 1	ESE 29 22	E 33 27	E 30 23
SEPTEMBER	ESE 38 3	E 25 8	E 24 16	E 25 16	E32 16	ESE 29 15	ESE 31 16	ESE 29 14	E 29 23
OCTOBER	E 28 6	ENE 29 2	ENE 29 14	ESE 27 14	E 24 25	E 26 5	E 27 25	E 30 25	E 30 5
NOVEMBER	E 36 3	E 30 14	ENE 29 13	E 30 14	ESE 22 14	E 30 14	E 20 14	NE 15 10	ESE 11 1
DECEMBER	ENE 24 3	ENE 21 11	NE 30 22	E 31 6	ESE 35 6	ENE 32 8	ESE 27 7	ENE 29 8	E 20 7

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

FORM PAA METEOR-7-1939

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

*PARAMARIBO, N.G. - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
		DIRECTION — COMPASS POINTS																				
		SPEED — KNOTS																				
JANUARY	1100	E 3	NE 16	NE 21	NE 22		NE 19	E 17		E 14		E 13	E 14	E 14								
FEBRUARY	1100	E 2	E 16	NE 22	NE 23		E 19	E 19		E 20		E 18	E 17	E 17								
MARCH	1100	E 3	NE 14	NE 18	E 20		E 16	E 18		E 14		E 15	E 16	E 11								
APRIL	1100	E 2	E 11	E 19	E 20		E 19	E 25		E 22		E 20	E 23	E 12								
MAY	1100	E 3	E 12	E 22	E 20		E 20	E 19		E 19		E 19	E 19	E 20 (12000)								
JUNE	1100	SE 3	E 15	E 17	E 19	E 19	E 16	E 17	E 20	E 17	E 21	E 19	NE 21	E 19	E 22	E 30						
JULY	0700	E 3	E 21	E 25	E 21	E 19	E 19	E 18	E 16	E 15	E 19	E 23	E 21	E 20	E 19	E 15	E 10	E 17				
	1200	E 5	E 12	E 14	E 15	E 17	SE 14	SE 14	E 16	E 18	E 18	E 20	E 20	E 22	E 17	E 19						
AUGUST	1200	E 6	E 12	E 15	E 14	SE 15	SE 14	SE 15	SE 14	SE 15	E 17	E 17	E 19	E 19	E 19	E 16	E 23	NE 11				
SEPTEMBER	1100	E 6	E 17	E 17	E 17	E 16	E 17	SE 18	SE 18	E 16	E 17	E 17	E 18	E 17	E 15	E 17	E 16	E 16	E 15	W 10	W 24	W 37
	2100	NE 7	NE 15	E 14	E 12	SE 10	SE 12	SE 16	E 13	E 16	E 17	E 17	E 18	E 19	E 15	E 15	E 14	E 12	SW 8	W 13	W 35	
OCTOBER	1100	E 5	E 15	E 17	E 15	E 14	E 14	SE 14	SE 14	E 16	E 16	E 17	E 17	E 16	E 15	NE 11	E 13	E 11	NW 13	NW 17	W 17	W 24
	2000	NE 4	NE 13	NE 12	E 11	E 10	SE 10	SE 14	E 11	E 14	E 15	E 16	E 18	E 18	E 12	E 11	SE 12	E 8	W 11	NW 14	NW 26	SW 12
NOVEMBER	1100	E 5	E 18	E 19	E 17	E 17	E 15	E 14	E 15	E 15	E 14	E 16	E 15	E 15	E 17	E 14	E 17	E 11	NW 9	NW 13	N 10	W 26
	2100	NE 5	NE 14	E 15	E 14	E 12	SE 12	SE 15	E 14	E 14	E 15	E 16	E 15	E 14	E 13	E 12	SE 13	NE 9	NE 8	NW 11	E 19	NW 11
DECEMBER	1100	SE 2	E 16	E 19	E 21	E 19	E 19	E 20	E 17	E 16	E 18	E 18	E 15	E 15	NE 5	E 9	NW 12	W 14	NW 20			
	2100	NE 7	NE 15	E 16	E 18	E 18	E 17	E 18	E 19	E 19	E 19	E 17	E 14	E 15	E 13	E 12	NE 10	NE 9	NE 9	W 5	NE 19	N 29
YEARLY AVERAGE		E 4	E 14	E 18	E 17	E 16	E 19	E 18	E 16	E 16	E 17	E 18	E 17	E 17	E 16	E 15	E 12	E 12	NW 14	NW 14	W 25	W 29

* All observations made by local Government Observatory.

WINDS ALOFT - HIGHEST VELOCITIES - PARAMARIBO - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	E 4 18	ENE 32 29	NE 30 8	E 38 9	ENE 26 9	ENE 24 5	ENE 24 5	E 24 5	(13000) E 22 26
FEBRUARY	ENE 8 22	ENE 20 16	E 26 5	ENE 32 23	E 24 23	ENE 28 26	ENE 36 8	ENE 36 9	(13000) E 24 20
MARCH	E 6 29	ENE 20 19	ENE 26 8	E 30 7	ENE 22 19	E 32 7	E 22 19	E 24 19	(13000) E 18 18
APRIL	NE 6 5	NE 22 26	ENE 24 1	E 26 23	E 30 23	E 38 23	E 36 22	ESE 38 22	(13000) E 24 23
MAY	E 6 30	ENE 18 30	E 32 28	E 30 28	E 24 21	E 36 30	E 34 30	E 34 30	(13000) E 22 20
JUNE	E 6 4	ESE 20 17	ENE 24 4	ESE 24 6	E 22 25	E 24 10	ENE 34 10	ENE 38 10	E 36 10
JULY	ESE 8 21	ESE 29 13	ESE 39 13	ESE 39 14	ESE 31 14	ESE 30 15	E 29 13	ESE 39 13	ESE 42 13
AUGUST	ESE 12 5	E 21 2	ESE 29 25	ESE 28 21	ESE 22 27	ESE 22 27	E 28 22	E 28 22	E 31 22
SEPTEMBER	ENE 12 28	ESE 32 14	ESE 32 14	ESE 32 2	ESE 33 28	ESE 29 28	ESE 30 15	ESE 39 14	E 29 24
OCTOBER	ESE 12 8	SE 30 13	ESE 34 14	ESE 29 14	E 20 25	E 28 25	E 30 25	E 35 25	E 27 3
NOVEMBER	ENE 12 18	ESE 27 13	ESE 31 13	ESE 30 13	E 28 19	E 28 14	SE 25 21	E 28 15	E 26 22
DECEMBER	ENE 15 31	ESE 24 14	ESE 29 14	ESE 31 14	E 32 6	E 30 6	ESE 34 9	ESE 31 9	ESE 31 5

DATE Below velocity.
Highest underscored.
*At time of wind aloft observation only.

Local Government Observatory Observations.

FORM PAA METEOR-7-

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

CAYENNE, F.G. - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1000	NE 13	NE 18	NE 20	NE 19	NE 15	NE 15	E 16	E 23	NE 22	E 20	E 11	E 16	NE 14								
	1300	NE 14	NE 18	NE 15	NE 18	NE 18	NE 14	E 17	E 20	E 23	E 20											
	1800	NE 12	NE 10	NE 13	NE 16	E 19	E 17															
FEBRUARY	1000	NE 14	NE 22	NE 20	NE 21	NE 20	E 20	E 20	NE 29	NE 6	NE 8											
	1300	NE 16	NE 22	NE 20	NE 20	E 21	E 20	E 19	NE 27	NE 23	NE 20											
	1700	NE 16	NE 17	NE 18	E 15	E 18	E 17	E 10														
MARCH	1000	NE 14	NE 15	NE 17	NE 15	NE 15	NE 13	E 11	E 19	E 9	NE 12	NE 12										
	1400	NE 15	NE 13	NE 16	NE 15	NE 14	E 19	NE 16	E 13	E 16	E 14	SE 3	E 7	NE 6	NE 2							
	1700	NE 13	NE 16	NE 14	E 14	E 17	E 21	E 21														
APRIL	0800	NE 11	NE 18	NE 18	NE 17	E 19	E 20	E 30	E 39	E 39	E 36	E 34										
	1300	NE 14	NE 17	NE 19	E 17	E 16	E 20	E 20	E 20													
	1700	NE 12	NE 16	NE 18	NE 18	NE 12	E 9	E 11	E 14	E 15	E 13	E 13	E 15									
MAY	0800	NE 11	NE 19	NE 19	NE 18	NE 16	E 15	E 14	E 20	E 15	E 10											
	1300	NE 13	NE 18	NE 16	NE 17	E 19	E 17	E 16	E 18	E 17	E 22	E 17	E 20	E 20	E 9							
	1700	NE 12	NE 14	NE 16	E 17	E 17	E 17	E 16	E 17	E 20	E 19	E 16	E 12	E 12								
JUNE	0800	E 5	SE 14	E 14	SE 15	E 16	E 16	E 16	E 14	E 14	E 16	E 21	E 26	E 17	E 19							
	1200	SE 7	E 12	E 13	E 16	E 19	E 19	E 21	E 23	E 22	E 25	E 21	E 20	E 21	NE 8	E 17	E 7	E 10	NE 17			
	1700	E 13	E 16	E 14	E 17	E 16	E 22	E 18	E 22	E 25	E 23	E 19	E 22	E 18	E 14	E 17	E 15	E 14	SE 35			
JULY	0800	SE 5	E 16	E 15	E 16	E 16	E 17	E 19	E 19	E 20	E 20	E 20	E 21	E 22	E 20	E 9						
	1200	SE 7	E 11	E 14	E 14	E 14	E 16	E 15	E 17	E 18	E 18	E 19	E 18	E 20	E 18	E 17	E 13	E 17	E 10			
	1700	E 13	E 13	E 14	SE 15	SE 16	SE 17	SE 18	E 18	E 18	E 18	E 19	E 21	E 24	E 22	E 21	E 12	E 12	E 12			
AUGUST	0800	SE 2	E 13	E 19	E 16	E 18	E 17	E 14	E 14	E 13	E 15	E 17	E 22	E 20	E 22	NE 30						
	1200	SE 5	SE 10	E 12	SE 14	SE 16	SE 16	SE 14	SE 13	SE 13	E 17	E 19	E 20	E 21	E 20	E 22	E 20	E 19	E 16			
	1700	E 11	E 14	E 10	E 14	SE 13	SE 13	SE 16	SE 15	E 13	E 15	E 20	E 19	E 17	E 18	E 16						

FORM PAA METEOR-7-

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

CAYENNE, F. G. - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
		DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
SEPTEMBER	0800	SE 4	E 14	E 18	E 20	E 21	E 22	E 23	E 23	E 19	E 19	E 19	E 17	E 22	E 20	E 28	SE 13	SE 16				
	1100	E 6	E 13	E 15	E 18	E 19	E 16	E 18	E 18	E 16	E 18	E 19	E 20	E 19	E 16	E 16	NE 15	NE 6	W 10			
	1500	E 11	E 13	E 14	SE 18	SE 16	SE 16	SE 19	SE 21	E 17	SE 13	E 17	E 19	E 17	E 18	E 14						
	2100	E 12	E 18	E 16	E 13	SE 15	SE 18	SE 17	SE 21	SE 24	SE 26	SE 25	E 20	E 20	E 19	E 17	E 18	N 5				
OCTOBER	0800	E 4	E 14	E 14	E 16	E 16	E 20	E 17	E 20	E 21	E 22	E 15	E 15	E 20	E 16	NE 18	SE 10					
	1100	SE 5	E 11	E 14	E 14	E 17	E 17	E 18	E 15	E 15	E 16	E 18	E 18	E 16	E 14	E 13	E 18	NE 11	W 10			
	2100	E 11	E 17	E 18	E 17	SE 15	SE 14	SE 17	SE 16	SE 18	E 18	E 17	E 17	E 18	NE 20	NE 14	E 13	E 11	NE 9			
NOVEMBER	0900	E 2	E 10	E 14	E 17	E 15	E 17	E 14	E 16	E 20	E 22	E 15	NE 12	NE 13	E 14	E 8						
	1100	E 6	E 21	E 14	E 18	E 17	E 15	E 15	E 16	E 13	E 15	E 18	E 14	E 12	E 11	E 11	NE 9	NE 9	N 8			
	1500	E 8	E 8	E 10	E 9	SE 8	SE 8	E 9	E 9	E 8	NE 7	N 4	NW 9	NW 14	W 12	W 9	SW 9	NW 5				
	2100	E 9	E 13	E 14	E 13	E 18	SE 11	SE 14	SE 14	E 15	SE 13	E 14	E 15	E 14	E 18	E 17	E 15	S 9	E 6			
DECEMBER	0800	NE 7	E 15	E 16	E 20	E 17	E 17	E 21	E 24	SE 16	SE 6	S 6	E 14	NE 2								
	1100	E 8	E 16	E 18	E 19	E 18	E 18	E 21	E 21	E 22	SE 9	SE 9	E 6	E 7	NE 4	NE 4	E 6	E 5				
	2100	NE 11	NE 13	E 18	E 18	E 17	E 18	E 16	E 17	SE 22	E 16	SE 17	E 16	E 15	SE 10	E 11	E 11	E 15	E 21	E 20	E 21	
YEARLY AVERAGE		NE 13	E 14	E 15	E 16	E 17	E 18	E 18	E 19	E 18	E 19	E 18	E 17	E 18	E 17	E 16	E 13	E 13	E 15	E 20	E 21	

WINDS ALOFT - HIGHEST VELOCITIES - CAYENNE - 1940

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

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

FORM PAA METEOR-7-

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

SAN JUAN, PRA. - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1100	E 6	E 19	N 18	S 10	W 5	N 9	SW 7	W 13	SE 9	W 18	W 11	SW 14	SW 8								
	1400	E 10	E 18	SE 13	S 8	N 13	S 6	NW 14	SW 9	SW 8	SW 11	SW 17	W 7	SW 19	W 18							
	2000	SE 6	E 9	E 12	SE 17	S 7	NE 7	W 8	W 9	W 15	W 17	W 20	W 27	W 24	N 9							
FEBRUARY	1100	E 11	E 19	E 18	S 24	NW 19	NW 23	W 15	NW 12	NW 17	W 21	W 13	NW 11	NW 12								
	1400	E 10	E 19	E 14	N 18	N 18	NW 15	NW 10	NW 13	E 18	NW 14	N 15	N 14	SW 15	W 20							
	2000	SE 6	E 9	NE 13	N 13	NW 16	NW 16	W 17	W 21	W 21	W 25	NW 23	N 16	N 23	NE 14							
MARCH	1100	E 7	SE 17	SE 19	SE 20	SE 18	S 18	W 24	S 9	SW 23	W 9	W 16	SW 8	SE 12	SE 9							
	1400	E 11	SE 17	SE 16	S 14	SE 23	SE 7	N 5	W 15	NW 15	NW 11	NW 13	W 9	W 15	W 17							
	2000	SE 6	SE 12	SE 13	SE 16	SE 17	SE 13	S 11	W 17	SE 12	W 22	NW 9	NW 13	NW 12	W 10							
APRIL	1100	E 6	E 20	E 17	SE 19	SE 20	SE 14	SE 11	SE 6	E 8	SE 9	SE 10	SE 8	E 13	E 10							
	1400	E 9	E 18	E 17	E 16	SE 15	SE 15	SE 11	SE 9	SE 12	NE 8	E 2	NW 13	NW 17	NW 19	NW 6						
	2100	E 11	SE 14	SE 14	E 9	E 7	NE 7	E 6	E 10	NE 6	E 11	E 13	NE 5	E 20								
MAY	1100	E 7	E 25	E 23	E 17	SE 14	SE 13	S 12	SW 9	W 10	W 10	SE 7	E 7	W 12	W 9	NW 12						
	1400	E 7	E 14	E 16	NE 10	E 11	E 11	NE 5	W 8	N 6	NW 7	SW 12	SW 8	N 7	W 11	W 17	W 16					
	2000	E 9	SE 10	SE 11	SE 11	SE 8	E 10	E 10	E 8	E 9	E 10	NE 7	NE 8	N 6								
JUNE	1100	E 10	SE 16	SE 20	SE 22	SE 18	SE 19	SE 17	SE 12	SE 11	SE 11	SE 12	E 9	E 10	E 9							
	1400	E 10	E 15	E 16	SE 19	SE 17	SE 17	E 10	E 12	E 12	E 12	SE 19	E 16	NE 12	E 7							
	2000	E 13	E 13	SE 10	E 12	SE 14	SE 14	SE 13	E 12	SE 11	E 12	E 21	E 11	SE 7								
JULY	1100	E 8	E 15	SE 14	SE 14	SE 12	SE 12	SE 13	E 10	E 10	E 10	SE 9	SE 11	E 8	SE 11							
	1500	E 9	E 15	E 15	E 12	SE 15	SE 11	SE 13	E 12	E 12	E 10	E 11	E 10	E 9	E 7							
	1700	E 9	E 11	SE 10	SE 9	SE 8	SE 8	E 9	E 10	E 9	E 10	SE 8	E 9	SE 9								
AUGUST	1100	E 6	E 13	SE 9	SE 10	SE 9	SE 8	SE 8	SE 7	SE 9	SE 7	SE 8	E 8	E 10	SE 9							
	1400	E 7	E 11	SE 10	SE 11	SE 11	SE 9	E 6	SE 7	S 5	S 6	E 8	SE 6	SE 7	SE 7							
	1700	E 7	E 8	E 9	E 9	SE 7	SE 8	E 10	SE 5	S 8	SE 8	SE 11	E 7	SE 10								

FORM PAA METEOR-7

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

SAN JULIAN, CUBA - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL																					DIRECTION — COMPASS POINTS / SPEED — KNOTS
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000	
SEPTEMBER	1100	E 8	E 14	E 14	SE 13	SE 9	SE 10	S 8	S 7	S 8	SE 9	S 6	S 7	SE 7	SE 16								
	1400	E 8	E 19	SE 11	SE 11	SE 11	SE 9	SE 11	SE 10	E 7	E 8	SE 7	SE 5	SE 8	E 13								
	2100	S 8	SE 8	E 10	E 10	E 8	SE 8	SE 8	SE 8	SE 6	E 3	SE 21	SE 14	SE 9									
OCTOBER	1100	E 10	E 19	E 22	NE 13	NE 10	NE 11	NE 9	E 10	SW 10	SE 9	NE 10	N 7	NE 12	W 26								
	1400	E 12	E 18	E 19	E 17	E 18	NE 16	NE 9	NE 11	N 8	E 6	NW 7	N 11	N 12	W 16								
	2100	E 9	E 12	E 12	NE 13	NE 12	NE 12	NE 9	N 11	NW 13	NW 9	NW 10	NW 11	NW 11									
NOVEMBER	1100	E 11	E 27	E 23	E 20	E 19	E 15	E 10	E 13	E 15	NE 13	NE 10	SE 9	NE 12									
	1400	E 11	E 19	E 20	NE 14	E 11	E 19	NE 11	SE 12	NE 10	N 17	NE 13	NE 10	NE 9	N 14								
	2100	E 9	E 18	E 17	E 16	E 16	E 15	NE 12	NE 8	NE 10	NE 9	NE 7	E 8	E 7	NE 7								
DECEMBER	1100	E 9	E 25	E 27	E 25	E 15	E 15	S 11	W 20	N 11	N 13	W 15	SE 6	SE 7									
	1400	E 11	E 13	E 26	E 23	SE 17	E 19	NE 17	NE 17	NE 14	E 8	NE 12	NE 15	SE 15	SE 10								
	2100	E 9	E 21	E 21	E 19	E 17	E 16	E 16	E 11	SE 8	SE 7	NE 14	SE 8	SE 8									
YEARLY AVERAGE		E 9	E 18	E 18	E 16	SE 14	SE 11	SE 13	E 11	E 10	E 9	SE 11	E 9	SE 9	W 15	NW 9	W 16						

WINDS ALOFT - HIGHEST VELOCITIES - SAN JULIAN - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	N 12 27	NNW 30 9	NNE 30 16	NNW 32 24	NNW 22 30	WNW 29 1	SW 32 18	SW 42 1	WSW 38 1
FEBRUARY	S 18 17	S 35 17	S 43 17	S 49 17	WNW 32 21	N 33 26	N 34 7	NW 25 22	N 24 3
MARCH	N 20 15	WNW 34 8	N 38 9	WNW 35 6	WNW 36 8	WSW 31 6	SSE 32 12	WNW 34 7	WNW 31 9
APRIL	SSE 18 18	E 34 29	SSE 36 18	SE 30 18	SSW 33 19	S 30 18	S 27 8	ENE 20 5	WNW 26 15
MAY	S 16 30	E 38 13	E 37 13	E 32 13	SSE 22 24	SSE 25 24	ESE 22 14	SW 18 31	ESE 20 13
JUNE	ESE 18 14	SE 29 14	SE 32 14	SE 37 14	SE 49 15	SE 38 14	S 31 1	ESE 31 17	ESE 24 17
JULY	E 12 1	ESE 25 13	E 25 17	ESE 20 4	SE 25 4	SSE 28 4	SE 22 18	SSE 20 4	NE 15 13
AUGUST	ESE 12 7	E 20 7	E 22 7	E 18 7	S 15 5	S 18 5	SSE 17 5	ESE 18 17	SE 15 17
SEPTEMBER	S 15 11	SSW 25 9	SSW 29 9	S 27 10	SW 28 9	SW 20 9	ESE 17 20	SE 21 20	E 18 20
OCTOBER	E 18 23	E 30 23	ENE 40 5	ENE 35 5	ENE 40 5	ENE 30 5	NNW 18 6	NE 17 11	WNW 20 26
NOVEMBER	N 18 15	ENE 43 5	E 41 20	E 36 21	ESE 29 21	S 25 11	NNW 20 8	W 21 16	NNE 22 6
DECEMBER	SSE 28 26	SSE 40 26	WSW 43 26	WSW 41 26	WSW 38 26	ENE 25 6	WSW 27 25	ENE 21 15	SSE 22 20

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

FORM PAA METEOR-7-1

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

CIENFUEGOS, CUBA • 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1100	NE 6	NE 17	NE 14	NE 22	NE 14	N 12	NW 17	SW 9	W 13	W 16	W 18	W 12	W 16								
	1500	NE 9	NE 11	NE 9	NE 15	E 7	SE 6	SW 9	SW 7	W 16	W 18	W 24	SW 10	W 21	W 16	W 19	W 20	W 23				
	1900	N 12	N 14	N 10	N 17	NE 7	NE 10	S 15	NW 14	W 15	W 17	W 24	SW 14	SW 17	W 24	W 35						
FEBRUARY	1100	NE 5	E 17	S 10	SE 14	S 17	S 16	S 15	S 16	S 8	S 8	SW 15	SW 11	W 23	W 15	W 21						
	1500	NE 7	NE 12	NE 6	N 20	W 10	W 14	W 22	NW 15	NW 18	SW 17	NW 12	NW 11	NW 12								
	1900	S 9	W 7	NE 11	NE 12	NW 11	NE 11	NW 15	S 24	S 20	S 15	S 15	SW 7	W 17	W 21	W 24	W 31					
MARCH	1100	NE 5	S 11	S 9	E 9	SE 7	SE 8	SE 8	SE 10	SE 9	W 7	SW 6	W 7	W 10								
	1500	E 9	NE 9	SE 5	E 11	E 7	SE 12	S 8	S 12	S 11	SE 11	W 15	W 17	W 15								
	1900	S 10	S 10	S 10	NE 11	NE 11	NE 9	E 10	E 7	W 19	W 17	W 11	W 11	W 12	W 17	W 21	W 19					
APRIL	1100	NE 6	E 15	E 21	E 14	S 13	E 8	E 8	SW 11	S 12	S 15	N 5	NW 10	NW 14								
	1500	E 10	E 12	NE 10	NE 16	SE 9	E 15	S 15	SE 11	SE 10	SE 8	NE 5	NW 5	W 20								
	2000	S 13	S 10	S 11	NE 13	NE 10	NE 11	NE 10	E 8	W 14	SE 9	NW 8	SW 11	W 13								
MAY	1100	NE 6	E 16	E 17	E 13	SE 5	SE 6	E 11	E 8	E 6	NE 8	S 7	W 7	SW 8	W 19	W 25	W 19	SW 30	W 20			
	1500	NE 6	NE 7	NE 9	NE 11	NE 9	S 8	NE 8	NE 7	SW 14	SW 9	E 3	SW 7	W 11								
	1900	S 12	S 11	S 10	S 12	NE 10	E 11	NE 8	NE 6	N 7	W 8	W 9	W 12	W 13	SW 4							
JUNE	1100	NE 5	SE 7	SE 9	SE 16	SE 15	SE 15	E 10	E 8	E 11	E 13	E 12	E 12	E 14	SE 11	E 7	S 10	SW 9	NW 9			
	1500	E 7	E 6	E 7	SE 9	E 11	E 11	E 11	E 8	SE 11	E 12	SE 12	SE 11	SE 12								
	1900	S 12	S 8	S 9	E 11	E 9	E 10	E 12	E 8	E 12	E 11	SE 11	E 11	S 12	S 15	S 5	NE 3					
JULY	1100	NE 6	E 10	S 6	SE 9	E 12	E 10	E 12	E 11	SE 11	SE 11	E 10	E 12	E 12	NE 10	SE 14	SE 15	SE 9	E 8			
	1300	NE 5	E 9	E 14	E 12	E 13	E 15	E 15	E 11	SE 11	SE 13	E 12	E 10	SE 12	NE 10	E 10	E 8	E 5				
	1600	SW 5	E 9	E 9	E 10	E 11	E 10	E 11	SE 11	E 7	E 10	SE 9	SE 9	S 7								
	1800	S 8	S 6	E 9	E 10	NE 8	NE 8	E 12	E 11	E 10	E 13	E 8	E 9	E 13	NE 11	E 21	CALM					
AUGUST	1000	NE 6	E 9	E 11	E 12	SE 5	E 12	E 11	NE 6	SE 8	SE 8	E 7	E 8	E 10	SW 6	SE 7	S 16					
	1500	NE 5	E 10	E 13	E 15	E 10	E 11	E 12	SE 6	E 10	E 12	E 10	SE 7	E 9	E 10	E 5	N 8	E 5	SE 10			
	1700	SW 5	S 7	NE 8	E 13	NE 8	E 11	E 9	E 8	E 10	E 10	E 9	E 10	S 8	S 9	SW 5	W 6	W 9	NW 20			
	2000	S 8	S 7	S 8	S 11	E 4	S 7	S 8	SE 5	SE 10	SE 6	S 5	S 6	SE 11	CALM							

FORM PAA METEOR-7-1

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

CIENFUEGOS, CUBA - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
SEPTEMBER	1000	NE 5	E 6	SE 8	SE 9	SE 9	SE 10	SE 10	SE 7	SE 9	E 12	E 11	E 11	SE 9	E 12	SW 5	SW 7	S 2	SW 16			
	1300	NE 3	NE 4	SE 8	SE 16	S 10	S 10	SE 12	E 12	SW 5	SW 9	SW 6	SW 5	SE 11	SE 7	E 10	E 11	S 16	SE 20			
	1600	S 8	S 8	E 6	E 7	SE 7	S 13	S 17	SE 10	SE 9	SE 9	E 8	S 6	SE 7	E 9	SE 4	E 2	E 9	SW 18			
	2000	S 9	S 8	S 11	S 12	S 11	S 7	SE 7	E 8	SE 9	SE 9	SE 10	SE 6	S 6	SE 19	SW 6	W 9	SE 4				
OCTOBER	1000	NE 6	NE 16	NE 18	NE 17	NE 14	NE 16	NE 13	NW 7	NW 7	E 10	W 8	W 11	SW 10	W 11	W 13	W 9	W 18	NW 21			
	1500	NE 10	NE 12	NE 16	NE 16	NE 12	NE 12	NE 10	NE 3	W 9	W 6	W 11	W 11	W 14	W 14	W 14	W 18	SW 26	NW 30			
	1800	N 7	NE 11	NE 11	NE 17	NE 10	NE 12	NE 14	NE 9	N 9	N 14	N 7	W 10	SW 10	SW 11	SW 11	SW 10					
	2100	NE 12	NE 17	NE 17	NE 18	NE 12	NE 13	NE 11	E 6	N 9	E 6	W 10	SW 8	W 9	W 11	W 19	W 25	W 27				
NOVEMBER	1000	NE 7	E 18	E 24	E 26	E 18	E 19	NE 15	NE 13	N 6	NE 8	NE 6	N 9	N 14	NW 9	NW 13						
	1400	NE 9	NE 16	E 19	E 22	E 14	E 13	E 17	E 16	E 14	E 15	NE 6	NE 6	E 16	N 10	N 7	NE 6	N 18	N 12			
	1800	NE 9	NE 12	NE 13	NE 16	E 10	NE 11	E 12	E 13	E 9	E 9	E 8	SE 8	E 16	CALM	CALM	S 6	SW 6				
	2100	NE 12	NE 17	NE 16	NE 19	NE 16	E 14	E 15	NE 13	NE 21	E 13	NE 15	NE 11	N 8	N 13	N 13	N 22	N 22				
DECEMBER	1100	NE 7	E 17	E 20	E 20	E 17	SE 11	E 16	N 9	E 10	N 15	SW 20	SW 15	W 14	SW 10	W 23						
	1500	E 7	E 12	E 14	E 20	E 12	E 16	E 15	SE 13	SE 8	SE 8	SW 9	W 13	W 13	W 12	SW 13	W 17	SW 12	W 24			
	1800	E 11	E 8	E 10	E 18	E 17	E 16	E 16	SE 12	S 16	S 19	SW 13	SW 26	W 5								
	2100	S 8	SW 11	SW 13	NE 18	NE 11	S 19	E 12	S 15	SW 11	SW 18	SW 15	SW 15	SW 20	SW 34	W 20	SW 20	SW 40				
YEARLY AVERAGE		NE 7	E 12	E 14	E 14	E 11	E 12	E 12	E 9	SE 9	E 11	E 9	SW 12	W 14	W 16	W 21	W 17	SW 20	NW 20			

WINDS ALOFT - HIGHEST VELOCITIES - CIENFUEGOS - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	NE 18 16	NNE 27 21	NNE 25 21	NW 34 27	N 35 24	SSW 38 23	W 29 1	WNW 38 27	W 40 1
FEBRUARY	SE 26 17	N 30 26	SSE 25 17	SSE 55 17	SSE 34 17	W 35 19	W 32 19	SSW 28 17	WSW 31 20
MARCH	WSW 22 8	ENE 25 26	S 28 21	SW 36 6	NW 30 9	WNW 30 8	WNW 40 6	W 40 6	W 34 6
APRIL	SE 18 18	ENE 25 11	ENE 32 29	E 38 29	SSE 25 25	WNW 32 21	WNW 38 21	W 26 20	WNW 25 14
MAY	S 17 27	E 25 6	ENE 30 13	ENE 34 13	S 22 31	WSW 20 2	SSW 25 30	WSW 22 3	W 20 11
JUNE	SSE 18 1	E 22 18	SSE 26 1	SSE 40 1	SE 26 3	S 33 1	SSE 28 3	S 28 1	E 24 21
JULY	ENE 16 15	E 18 21	E 30 12	E 26 21	ESE 20 1	E 21 21	SSE 21 3	SSE 24 3	ESE 22 21
AUGUST	S 14 14	E 18 19	E 22 6	E 28 6	ENE 24 6	E 26 6	E 18 6	SSE 20 25	SSE 18 25
SEPTEMBER	S 16 11	SSE 20 11	SSW 25 11	SSW 26 11	S 28 10	S 34 10	S 28 8	SW 20 8	SE 19 3
OCTOBER	NE 24 5	NE 25 13	NE 35 12	ENE 36 6	ENE 27 6	ENE 38 6	NE 21 4	S 20 2	W 21 17
NOVEMBER	N 20 16	E 31 10	E 36 22	ENE 44 20	NE 30 6	ESE 44 13	ESE 31 12	SE 22 14	NE 23 3
DECEMBER	S 18 27	E 30 18	S 35 27	S 45 27	S 45 25	S 38 26	S 40 25	SSW 36 26	SW 29 30

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

FORM PAA METEOR-7-1

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

KINGSTON, JAMAICA - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
JANUARY	1000	CALM	NW 3	E 11	E 17	E 15	E 17	E 14	N 16	E 13	E 11	E 8	NE 8	SE 8	SE 10							
	1400	CALM	SE 7	E 11	E 16	E 14	E 15	E 14	E 14	E 17	E 11	SE 6	E 9	SE 8	E 12	SE 15	SE 8	S 15	W 20			
	1700	SE 9	SE 12	SE 12	SE 20	E 13	E 10	SE 15	NW 5	E 11	E 6	NE 5	SW 15	SE 14	E 11							
FEBRUARY	1000	E 7	E 12	E 14	E 16	E 16	E 17	E 13	E 14	E 19	E 10	W 5	E 12									
	1500	E 8	SE 12	E 12	E 15	E 13	SE 17	SE 14	SE 18	SE 23	S 12	SE 14	SE 9	SE 11	SE 11	S 12	SE 16	S 20				
	1700	SE 12	E 12	E 9	E 15	E 19	E 17	E 17	E 16	E 23	E 28	SE 16	E 20	S 16	S 11	S 13	W 9	NW 21	NW 24	NW 36	W 21	
MARCH	1100	CALM	SE 7	E 11	E 13	E 17	E 13	E 16	E 17	E 16	E 10	SW 5	NE 15	NE 16								
	1500	SE 12	SE 16	SE 13	E 12	E 14	E 13	E 12	SE 18	E 13	SE 13	E 9	E 6	S 8								
	1700	SE 11	SE 18	SE 14	SE 8	E 10	E 10	E 13	E 9	SE 11	E 10	E 15	E 11	E 11	NE 7							
APRIL	1000	CALM	E 10	E 11	E 16	E 18	E 16	E 14	E 16	E 12	E 14	E 14	S 4	W 8	W 10							
	1500	SE 9	SE 15	E 15	E 14	E 15	E 15	E 14	E 14	E 17	E 18	SE 6	E 11	E 12	W 7							
	1700	SE 17	SE 20	SE 10	SE 11	E 13	E 11	E 10	SE 9	SE 4	SE 8	S 6	SW 9	SW 9								
MAY	1100	CALM	SE 5	E 12	E 16	E 17	E 15	SE 11	E 12	E 10	E 10	E 7	E 10	N 3	W 7	W 12	SW 22	SW 22	W 28			
	1500	SE 10	SE 14	SE 12	E 12	E 13	E 12	E 9	E 15	E 14	E 12	W 6	W 10	SW 13	SW 11							
	1700	S 6	SE 9	E 11	E 9	E 11	E 12	E 11	E 9	E 8	E 7	SW 11	SW 17	SW 18								
JUNE	1100	CALM	E 12	E 14	E 20	E 25	E 24	E 24	E 23	SE 25	SE 22	SE 22	SE 11	SE 12	SE 10	S 6	E 6	E 6				
	1500	SE 12	E 20	E 17	E 20	E 23	E 24	E 22	E 24	SE 20	SE 19	SE 18	E 15	E 14	E 13	E 11	SE 18	SE 20	-	SE 12	SE 19	E 24
	1700	SE 15	E 18	E 20	E 23	E 22	E 24	E 20	SE 16	E 11	SE 20	SE 16	E 14	E 14	NE 5	SE 8	S 10	S 17	S 15			
JULY	1100	CALM	E 13	E 14	E 16	E 20	E 21	E 23	E 20	E 18	E 16	E 15	E 14	E 14	SE 18	SE 20						
	1500	SE 11	E 19	E 17	E 18	E 21	E 25	E 26	E 22	E 21	E 24	E 15	E 11	E 17	SE 13	SE 12						
	1700	SE 15	E 17	E 19	E 17	E 20	E 18	E 19	E 20	E 19	E 16	E 16	E 16	E 16	E 17	E 14						
AUGUST	1100	CALM	SE 5	E 11	E 12	E 15	E 17	E 14	E 15	E 14	E 14	E 12	E 13	E 11	E 5	S 8	SW 9					
	1400	SE 8	E 14	E 13	E 12	E 16	E 17	E 20	E 18	E 15	E 15	E 12	E 13	E 13	E 10	SE 8	S 18	S 20	SE 7			
	1700	SE 13	SE 17	SE 16	E 13	E 13	E 15	E 16	E 16	E 18	E 16	E 16	E 11	SE 12	E 14	SE 9	SE 8	SE 15	S 14			

FORM PAA METEOR-7

MONTHLY AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

KINGSTON, JAMAICA - 1940 (cont'd)

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
SEPTEMBER	1100	CALM	E 11	E 13	E 14	E 16	E 14	SE 16	E 17	SE 14	SE 12	E 11	E 13	SE 12	SE 9	NE 26	NE 16	NE 15	N 10			
	1400	SE 9	SE 8	SE 10	E 16	E 19	E 16	SE 19	SE 18	SE 15	SE 11	E 13	E 10	E 9	E 13	E 15	E 6	SW 7	NE 12			
	1600	SE 15	SE 18	SE 14	E 14	E 13	E 14	E 16	SE 12	SE 11	SE 10	SE 8	E 11	E 8	E 10	SE 12	S 19	S 11				
	2100	SE 13	SE 16	E 13	E 12	E 13	SE 12	SE 8	E 9	SE 9	SE 9	E 12	SE 11	E 10	E 13	E 12	E 9					
OCTOBER	1100	CALM	E 5	E 7	E 11	E 17	E 16	E 15	SE 11	E 14	E 11	E 11	SW 5	SE 6	E 24	E 11	E 19	W 4	N 5			
	1400	CALM	SE 8	SE 9	E 13	E 15	SE 13	E 9	E 12	SE 13	SE 13	SE 13	E 13	SE 12	S 10	SE 11	W 7	NW 15	W 20			
	1600	CALM	SE 13	SE 10	E 15	E 13	E 12	E 11	E 10	E 9	E 7	E 5	E 6	E 7	E 10	NW 5	NW 5	W 20				
	2100	CALM	SE 11	E 14	E 15	E 14	E 12	E 10	E 12	E 10	E 11	E 11	SW 9	SW 8	E 4	E 5	E 6					
NOVEMBER	1000	CALM	NW 5	NW 4	E 11	E 16	E 17	E 13	E 15	E 13	E 15	E 13	E 11	E 10	E 8	N 5	N 10	E 8				
	1400	CALM	CALM	SE 5	E 12	E 12	E 14	E 12	E 25	NE 8	NE 8	NE 9	NE 10	E 12	NE 15	E 14	NE 13	NE 16	E 28			
	1600	S 4	SE 5	SE 4	E 8	E 11	E 12	E 14	E 19	E 13	E 11	E 13	NE 8	E 9	E 11	NE 8	E 18	NE 20	NE 7	N E 5		
	2100	SE 7	SE 6	SE 8	E 8	E 11	E 15	E 13	E 16	E 16	E 17	E 14	E 18	E 15	E 12	E 11	NE 7	NE 8	NE 20			
DECEMBER	1100	CALM	E 12	E 11	E 14	E 18	E 20	E 20	E 23	E 21	E 21	E 13	E 14	E 18								
	1400	W 2	E 13	E 12	E 13	E 21	E 24	E 22	E 20	E 22	E 22	E 21	E 16	E 20	E 13	E 10	E 9	W 16	SW 35			
	1600	SE 8	SE 11	E 12	E 13	E 17	E 20	E 23	E 19	E 18	E 17	E 15	E 18	E 13	E 17	E 15	E 10	E 15	E 19			
	2100	SE 8	E 12	E 13	E 20	E 18	E 16	E 14	E 14	E 15	E 11	NE 9	NE 12	NE 15	E 10	SE 3	SE 8	S 10				
YEARLY AVERAGE		SE 11	SE 12	E 13	E 14	E 16	E 16	E 16	E 16	E 15	E 14	E 13	E 13	E 13	E 10	E 12	E 10	S 15	NE 13	NE 6	W 21	E 24

WINDS ALOFT - HIGHEST VELOCITIES - KINGSTON - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
JANUARY	ESE 15 23	ESE 25 23	ESE 26 23	E 45 23	E 30 7	E 30 9	SE 39 8	SW 22 28	SW 25 28
FEBRUARY	ESE 20 10	SE 38 17	E 29 17	ESE 39 17	ESE 38 10	SE 30 10	ESE 35 12	ESE 23 12	S 20 17
MARCH	SE 16 25	SE 28 22	E 24 21	ESE 30 30	ESE 28 21	E 26 31	ESE 33 26	SW 21 6	SW 17 6
APRIL	ESE 22 24	SE 34 9	ESE 27 5	E 27 25	E 31 24	ESE 30 24	ENE 24 9	E 22 9	E 20 2
MAY	SE 18 28	SE 22 30	ESE 29 30	ESE 27 31	E 24 14	E 22 16	ENE 17 7	SW 17 21	WSW 23 21
JUNE	SE 20 2	ESE 35 2	ESE 35 3	E 39 27	E 40 12	E 46 10	ESE 33 5	ESE 33 12	E 24 4
JULY	E 20 2	ESE 33 17	E 31 4	ESE 39 13	E 41 2	E 46 4	E 29 26	ESE 30 29	SE 28 29
AUGUST	SE 20 26	SE 28 26	ESE 28 4	ESE 28 4	ESE 28 26	E 34 30	ESE 32 4	E 22 5	E 24 5
SEPTEMBER	SE 18 24	SE 28 15	SE 28 9	ESE 28 21	ESE 26 26	ESE 32 26	ESE 32 26	ESE 20 26	E 16 17
OCTOBER	SE 14 1	ESE 22 6	ESE 25 3	ESE 30 3	ESE 30 1	E 31 2	ESE 20 30	SSW 26 8	SSW 33 8
NOVEMBER	SE 11 26	ESE 21 20	ESE 16 30	E 20 27	E 26 19	E 32 20	ESE 33 30	SSE 21 17	ENE 22 14
DECEMBER	SE 14 19	E 26 21	ESE 25 26	E 34 19	E 38 19	E 37 15	ENE 34 12	E 25 31	E 24 18

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

FORM PAA METEOR-7-1937

YEARLY [redacted] AVERAGES OF WIND ALOFT OBSERVATIONS

(Prevailing direction and average speed of prevailing direction)

EASTERN DIVISION - 1940

STATION	TIME GCT	ALTITUDE — FEET ABOVE SEA-LEVEL / DIRECTION — COMPASS POINTS / SPEED — KNOTS																				
		SURFACE	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	14000	16000	18000	20000	25000	30000	35000	40000
MIAMI		E 11	SE 12	SE 12	E 13	SE 10	SE 11	W 16	W 18	W 20	W 19	W 17	W 18	W 21	SW 17	W 12	W 13	W 20	NW 31			
KEY WEST [1]		E 10	E 15	SE 15	SE 14	E 14	E 13	E 11	E 11	E 9	E 9	W 18	W 18	W 21	W 18	W 12	W 13					
HAVANA [2]		E 6	E 9	E 21	E 16	E 12	E 10	E 10	S 11	SE 10	SE 11	E 11	E 8	E 10	E 10	E 12	W 20	W 22	E 14			
ANTILLA		E 8	E 15	E 18	E 17	E 15	E 14	E 13	E 14	E 13	E 13	SW 15	E 11	SW 14	SW 13	E 10	SW 12	E 10	E 11	S 14	NW 44	
PORT AU PRINCE [3]		E 8	E 12	E 12	E 11	E 11	E 12	E 11	E 13	E 13	E 12	E 12	E 13	E 12	E 13	E 11	E 10	NE 12	NE 7	SE 12		
MACORIS		SE 11	SE 16	SE 15	E 17	E 16	E 16	E 16	E 15	E 14	SE 14	SE 13	SE 13	SE 13	SE 12	E 14	E 15	SE 13	SE 9	SW 18		
SAN JUAN		E 12	E 16	E 15	E 17	SE 14	SE 14	E 13	E 16	E 15	E 15	E 14	E 13	E 13	E 13	E 11	E 11	E 10	SE 11	W 17	W 37	
ST. JOHNS		E 10	E 18	E 18	E 18	E 18	E 18	E 17	E 15	E 14	E 14	E 15	E 13	E 13	E 11	E 12	S 14	S 17	NW 5			
FORT DE FRANCE [4]		E 10	E 17	E 21	E 23	E 24	E 25	E 22	E 21	E 20	E 17	e 16	SE 21	E 14	SE 22							
PORT OF SPAIN		E 8	E 11	E 13	E 15	E 16	E 17	E 15	E 15	E 16	E 16	E 15	E 14	E 15	E 15	E 10	E 15	NW 10	N 12			
GEORGETOWN		E 12	E 15	E 15	E 15	E 15	E 15	E 12	E 17	E 18	E 19	E 20	E 19	E 18	E 15	E 16	E 16	NE 10	NE 10			
PARAMARIBO [5]		E 4	E 14	E 18	E 17	E 16	E 19	E 18	E 15	E 16	E 17	E 18	E 17	E 17	E 18	E 15	E 12	E 12	NW 14	NW 14	W 25	W 29
CAYENNE		NE 15	E 14	E 15	E 16	E 17	E 18	E 18	E 19	E 18	E 19	E 18	E 17	E 18	E 17	E 16	E 13	E 13	E 13	E 20	E 21	
SAN JULIAN		E 9	E 16	E 18	E 16	SE 14	SE 11	SE 13	E 11	E 10	E 10	SE 11	E 9	SE 9	W 15	NW 9	W 16					
CIENFUEGOS		NE 7	E 12	E 14	E 14	E 11	E 12	E 12	E 9	SE 9	E 11	E 9	SW 12	W 14	W 16	W 21	W 17	SW 20	NW 20			
KINGSTON		SE 11	SE 12	E 13	E 14	E 16	E 16	E 16	E 16	E 15	E 14	E 13	E 13	E 13	E 10	E 12	E 10	S 15	NE 13	NE 5	W 21	E 24

1 - U. S. Weather Bureau Observations.
2 - Cuban National Observatory Observations.
3 - Observations began March 19, 1940.
4 - Local Government Observatory Observations.
5 - Local Government Observatory Observations.

WINDS ALOFT - HIGHEST VELOCITIES - 1940

	Surface*	1000	2000	3000	5000	6000	8000	10000	12000
MIAMI	W 30 3/8**	W 68 3/8	WNW 57 3/8	WSW 49 3/8	W 45 2/14	WSW 47 2/18	WSW 50 2/14	WSW 50 1/1	WSW 48 1/1
KEY WEST[1]	SSW 28 12/28	SSW 45 2/7	SSW 51 2/7	SSE 42 12/26	W 48 3/8	N 47 12/4	W 44 2/20	WSW 56 2/20	W 56 1/21
HAVANA[2]	SE 36 2/17	N 45 11/16	SW 45 3/16	SW 47 3/6	S 43 2/17	NNE 33 2/21**	NW 39 2/22	SSE 31 6/14	ENE 37 9/20
ANTILLA	W 22 3/8	E 56 7/1	E 52 7/1	E 49 6/28	E 47 3/14	WSW 46 3/8	ENE 35 11/5	SW 37 2/25**	ESE 44 12/16
PORT AU PRINCE[3]	SE 25 6/29	E 40 7/3	E 39 7/3	NNE 38 7/23	E 40 7/3**	E 39 6/28	ESE 36 7/3	E 40 12/15	ESE 30 12/16
MACORIS	SSE 26 8/6	SSE 38 8/6	E 39 2/10	NNE 35 2/27	NE 35 11/11	E 39 6/27	E 37 8/5	WSW 33 3/8	WSW 40 3/8
SAN JUAN	ENE 30 8/15	E 35 7/18**	ESE 37 5/27	SE 40 8/6	E 37 12/18	E 35 8/18	E 38 8/18	ESE 30 7/23**	SE 30 9/7
ST. JOHNS	SE 28 8/5	E 48 7/12	ENE 37 12/18	E 40 12/18	NE 39 11/4	E 35 11/30	ESE 33 8/25	ENE 34 11/29	ESE 30 7/28
FORT DE FRANCE[4]	ENE 28 6/11	E 44 12/1	ENE 47 5/30	ENE 60 5/31	ESE 57 11/27	E 55 6/11	E 86 6/11	E 45 2/10	W 30 4/19
PORT OF SPAIN	ESE 30 2/12**	ESE 37 9/14	ESE 39 11/7	E 45 7/12	SE 44 10/25	E 40 6/31	E 40 4/25	E 39 11/17	E 47 11/17
GEORGETOWN	ESE 38 9/3**	ENE 38 4/29	ENE 45 4/29	NW 37 3/8	ESE 35 12/6	ENE 32 4/25**	ESE 33 3/20	E 36 6/25	E 30 8/23**
PARAMARIBO[5]	ENE 15 12/31	ENE 32 1/29**	ESE 39 7/13	ESE 39 7/14	ESE 33 9/26	E 38 4/23	E 36 4/22**	ESE 39 7/13	ESE 42 7/13
CAYENNE	NNE 20 5/17	ESE 36 7/14	ENE 30 1/8**	NE 38 5/4	ESE 34 9/8	E 37 9/15	ESE 45 9/15	ESE 39 9/14	ESE 35 9/14**
SAN JULIAN	SSE 28 12/26	ENE 45 11/5	WSW 43 12/28**	S 49 2/17	SE 49 6/15	SE 38 6/14	W 34 2/7	SW 42 1/1	WSW 38 1/1
CIENFUEGOS	SE 26 2/17	E 31 11/10	E 36 11/22	SSE 55 2/17	S 45 12/26	ESE 44 11/12	WNW 40 3/6**	W 40 3/6	W 40 1/1
KINGSTON	ESE 22 4/24	SE 38 2/17	ESE 35 6/5	E 45 1/23	E 41 7/2	E 46 6/10**	SE 39 1/8	ESE 33 6/12	SSW 33 10/8

Date below velocity.
Highest underscored.
*At time of wind aloft observation only.
**Same velocity also on other dates.
1. U.S. Weather Bureau Observations
2. Cuban National Observatory Observations.
3. Observations began 3/19/40.
4. Local Gov't. Observatory.
5. Local Gov't. Observatory.

HURRICANES - 1940

During 1940 were was a total of seven tropical disturbances of which three attained full hurricane intensity.

I - Tropical Disturbance - Aug. 2-10

The first tropical disturbance of the season occurred in August and had its inception along the southern end of a cold front which moved off the coast of South Carolina and Georgia and extended across the Florida Peninsula. A depression developed on Aug. 2nd off Jacksonville, Florida and moved westsouthwestward across Florida into the Gulf of Mexico and was centered in the vicinity of Tampa by 1200 GCT on the 3rd. At this time, the pressure at the center of the disturbance was 1012.5 mb. (29.90") and a definite cyclonic circulation was observed. The depression continued to move westsouthwestward across the Gulf for the next 24 hours and increased in intensity. After the 5th, movement was west to westnorthwestward and the disturbance entered the United States between Galveston and Port Arthur, Texas at approximately 0000 GCT on the 8th. Movement after the 8th was in a north to northeasterly direction.

Heavy rain squalls and fresh to strong shifting gales were encountered by ships in the north to north central portion of the Gulf of Mexico. Wind velocity as high asBeaufort Force 11 and pressure as low as 1003.7 mb. (29.64"), were reported by the S. S. Connecticut near Lat. 26°45'N. and Long. 88°06'W. on the 5th. The storm at the time it entered the continental United States was of small diameter and the path of hurricane winds about 20 miles wide. Lowest pressure and highest wind were reported at Port Arthur, Texas at 1747 GCT on the 7th where the barometer was 977.7 mb. (28.87") and the 5 minute maximum wind velocity was northeast 82 mph, the extreme maximum being 91 mph.

II - Tropical Disturbance - Aug. 4-17

On Aug. 4th the surface map indicated a wave on the inter-tropical front in the vicinity of Fort de France. This wave moved in a northerly direction and by Aug. 5th (1200 GCT) was in the vicinity of St. Martin and had assumed a cyclonic circulation. From Aug. 5th to 7th the disturbance moved westnorthwestward and meanwhile, increased in area and intensity. At 0000 GCT of the 7th the depression was located just west of Turks Island. The pressure at the center was 1006.4 mb. (29.65") and was accompanied by a wind velocity of 50 mph. From the 7th to the 9th movement was in a northward direction so that by 1200 GCT of the 9th the center was located approximately at Lat. 29°30'N. and Long. 75°W. and there was some increase in intensity. From the 9th to 11th the disturbance moved westnorthwestward as a storm of full hurricane intensity, passing inland in the vicinity of Savannah, Georgia on Aug. 11th. Savannah, Georgia reported a north wind of 75 mph and a barometric pressure of 974.6 mb. (28.78") which was the lowest pressure reading reported anywhere along the path of the storm.

III - Tropical Disturbance - Aug.30-Sep.3

From Aug. 22nd to 30th a slight low pressure area appeared on the charts east of the Bahama Islands. The exact location and intensity of this depression was difficult to determine due to lack of information. However, occasionally there were indications during this time of a cyclonic circulation. The 0000 GCT map of Aug. 31st showed a definite cyclonic circulation central about Lat. 31°N. and Long. 72°W. This disturbance had moved northnorthwestward to about Lat. 34°N., Long.74°W. by 0000 GCT, Sep. 1st. From this point it recurved to the northnortheast passing parallel to the coastline in the vicinity of Newfoundland. The lowest recorded barometric reading of 965.1 mb. (28.50") was reported by the tanker, Franklin K. Lane at approximately Lat. 38°17'N. and Long. 70°32'W. during the evening of Sep. 1st. Several ships reported wind velocity of Beaufort Force 8 and the S. S. Dungannon encountered northnortheast winds of Beaufort Force 10 at 1300 GCT, Sep. 1st near Lat. 35°50'N. and Long. 73°45'W. The Nantucket station recorded a maximum velocity for a five minute period of 57 mph from the northeast and an extreme velocity of 65 mph on Sep. 2nd.

IV - Tropical Disturbance - Sep. 6-18

Surface vessel reports received at 0000 GCT on Sep. 6th indicated a slight disturbance in the vicinity of Lat. 15°N., Long. 35°W. and another report received at 1600 GCT on Sep. 7th from Lat. 15°N., Long.48°W. indicated that the disturbance was moving westnorthwestward with a velocity of approximately 12 knots. No further surface vessel reports were received from the vicinity of the disturbance but on Sep. 9th wind aloft reports from St. Johns and Fort de France indicated the approach of the disturbance from the east.

On Sep. 11th a definite cyclonic circulation aloft was evident from the reports from St. Johns, St. Thomas and San Juan and on the 1200 GCT map of Sep. 12th, the center was definitely indicated just north of Puerto Rico. A ship report received at 1800 GCT on the 12th indicated the disturbance now of hurricane intensity centered approximately at Lat. 21°30'N., Long. 66°30'W. The disturbance continued its westnorthwestward movement to approximately Lat. 29°N., Long. 71°W. where it recurved moving to the north and northnortheast. The center passed to the west of Bermuda and was over Nova Scotia and NewBrunswick on the 17th as a storm of severe intensity. The lowest recorded pressure was 988.5 mb. (29.19") which was reported by a ship at 2200 GCT at Lat. 30°N., Long. 71°W., on Sep. 14th. This vessel was also reporting a northnortheast wind of Beaufort Force 12.

V - Tropical Disturbance - Sep. 19-24

A weak tropical disturbance, 1006 mb. (29.71") was indicated on the 1200 GCT map of Sep. 19th in the vicinity of Bluefields, Nicaragua. This disturbance moved northnorthwest across the Yucatan Peninsula on the 21st. attended by winds of Beaufort Force 4 to 5. It then continued across the western Gulf of Mexico toward the northwest on the 23rd and finally entered the continent in the vicinity of Port Arthur, Texas on the night of Sep. 23rd-24th. This storm did not attain hurricane intensity. Lowest

reported pressure was 1004 mb. (29.65") at 0000 GCT Sep. 24th at Lat. 28°N., Long. 95°W., (a tanker Dannedarke).

VI - Tropical Disturbance - Sep. 28-Oct. 2

A well developed cyclonic circulation appeared on the 2400 GCT map of Sep. 28th approximately Lat. 31°N., Long. 78°W. This disturbance evidently had its inception along a polar cold front which previously had moved off continental United States. This disturbance moved toward the northwest until 0000 GCT of the 3rd, (center approximately Lat. 32°N., Long. 76°W.) at which time it recurved and proceeded in a northeasterly direction. A good many ships in the path of this disturbance reported winds of Beaufort Force 8, squalls and rain. The highest velocity reported was northnortheast Beaufort Force 10 at approximately Lat. 34°N., Long. 76°W. at 1800 GCT on the 30th. The lowest reported pressure was 1003 mb. (29.62") and was reported by a ship approximately Lat. 38°N., Long. 72°W. on the Oct. 1st map at 2400 GCT.

VII - Tropical Disturbance - Oct. 20-23

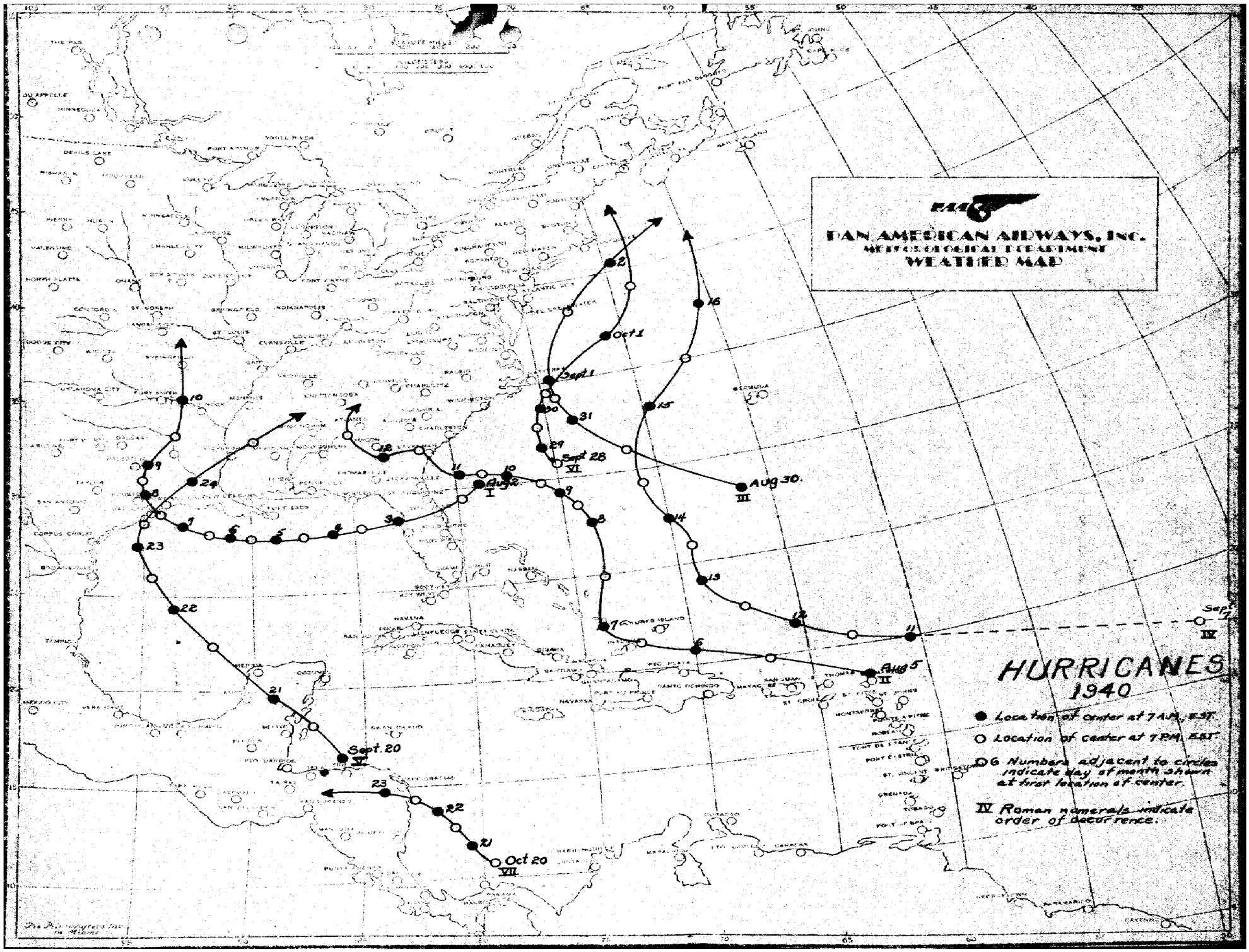
On Oct. 20th a wave developed in the western Caribbean just north of the Canal Zone which appeared to be due to the conjunction of the intertropical and polar fronts in that region. This wave developed into a disturbance of moderate intensity with a pressure of 995.3 mb. (29.39") and northeast wind Beaufort Force 9 being reported on the afternoon of the 21st near Lat. 12°35'N., Long. 80°25'W. After developing the storm moved toward the westnorthwest entering Nicaragua north of Bluefields and rapidly losing intensity over land. Reports indicated that the storm did not cross the mountains to enter the Pacific. The lowest recorded barometer reading during the disturbance was 982.7 mb. (29.02") which was reported by a ship during the morning of the 22nd at Lat. 12°50'N., Long. 81°45'W.

The above mentioned storm of Oct. 20-23 was the only tropical disturbance which caused delay in the Eastern Division during the 1940 hurricane season. On Oct. 22nd the Miami - Cristobal plane cancelled out for a period of 24 hours because of weather conditions associated with this disturbance.

SUMMARY OF TROPICAL STORMS 1940

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

STORM	DATE	MAXIMUM WIND REPORTED	LOWEST BAROMETER	INTENSITY
I	Aug. 2-10	91 mph Port Arthur, Texas	977.7 mb. (28.87")	Hurricane
II	Aug. 4-17	72 mph Savannah, Georgia	974.6 mb. (28.78")	Hurricane
III	Aug. 30-Sep. 3	55-63 mph (Force 10) S. S. Dungarmon	965.1 mb. (28.50")	Not hurricane intensity
IV	Sep. 6-18	Above 75 mph (Force 12) Ship report (unidentified)	988.5 mb. (29.19")	Hurricane
V	Sep. 19-24	39-46 mph (Force 8) S. S. Dannedarke	1004 mb. (29.65")	Not hurricane intensity
VI	Sep. 28-Oct. 2	55-63 mph (Force 10) Ship report (unidentified)	1003 mb. (29.62")	Not hurricane Intensity
VII	Oct. 20-23	47-54 mph (Force 9) S. S. Contessa, and Ship report (unidentified)	982.7 mb. (29.02")	Not hurricane intensity


PAA
PAN AMERICAN AIRWAYS, INC.
METEOROLOGICAL DEPARTMENT
WEATHER MAP
HURRICANES
1940
● Location of center at 7 A.M. EST.
○ Location of center at 7 P.M. EST.
Numbers adjacent to circles indicate day of month shown at first location of center.
IV Roman numerals indicate order of occurrence.
Aug 2
I
Aug 5
II
Aug 30.
III
Sept 28
VI
Sept 20
V
Oct 20
VII
Sept 1
Oct 1
Sept 7
IV