

Rainfall frequency and extreme forecasts

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wet days and wet spells outlooks

November to January 2017-'18

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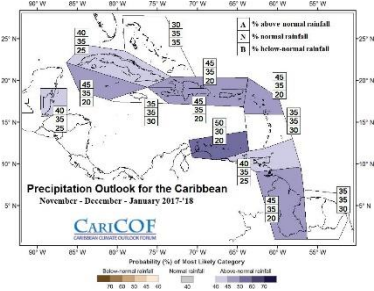
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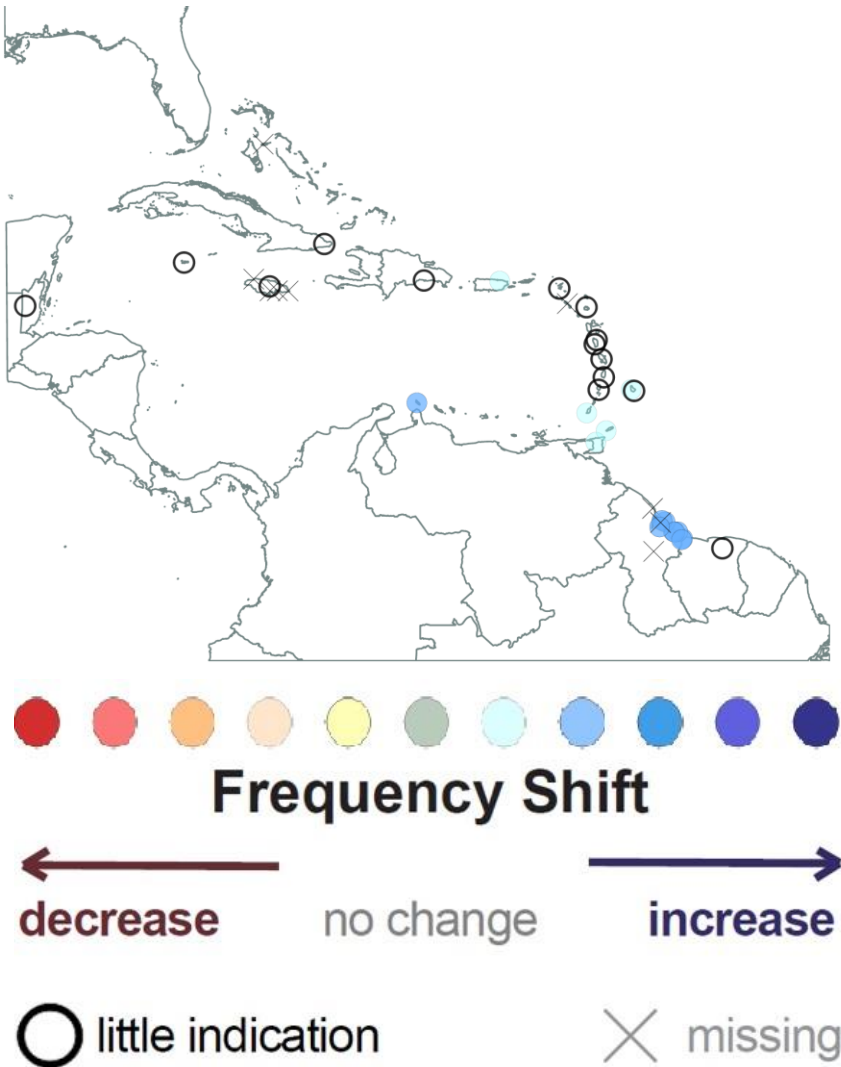


Wet day frequency shifts

Forecast for: November to January 2017-'18



NDJ 2017
Frequency of wet days



USUALLY: Out of 92 days in Nov-Dec-Jan, there are about 35 to 50 wet days (coastal Guianas: 30-50; ABC Islands: 20-45).

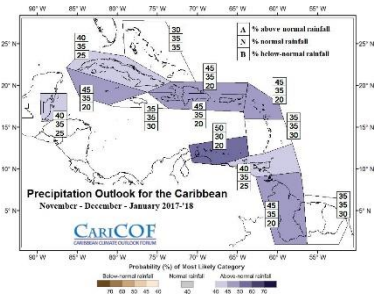
FORECAST: NDJ rainfall is likely to be above-normal except in The Bahamas. The forecast indicates an increase in the number of wet days in ABC Islands, Grenada, Guyana and Trinidad & Tobago (*low to medium confidence*).

IMPLICATION:

- Frequent rainfall disruptions of outdoor activities, becoming less frequent towards January except in ABC Islands & Guianas.
- Surface wetness (during the wet season) keeps environmental conditions more conducive to mosquito breeding and moisture related pests.

Wet spells frequency shifts

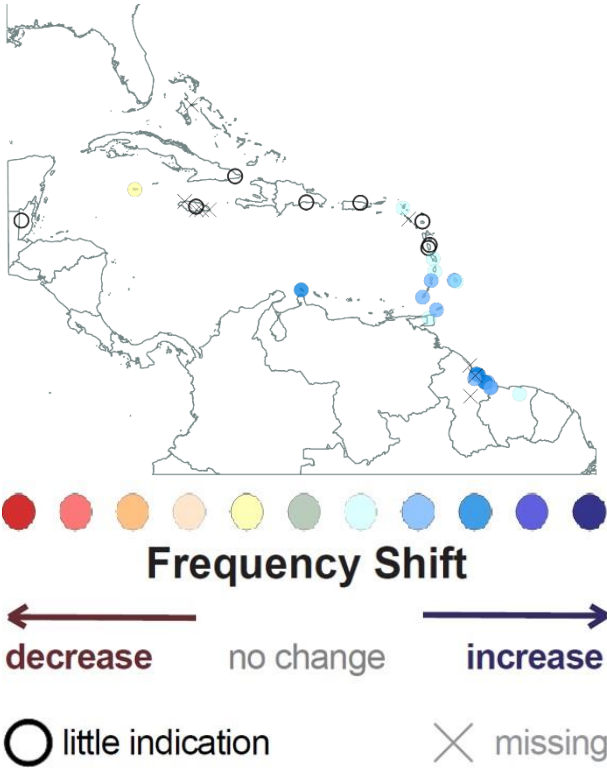
Forecast for: November to January 2017-'18



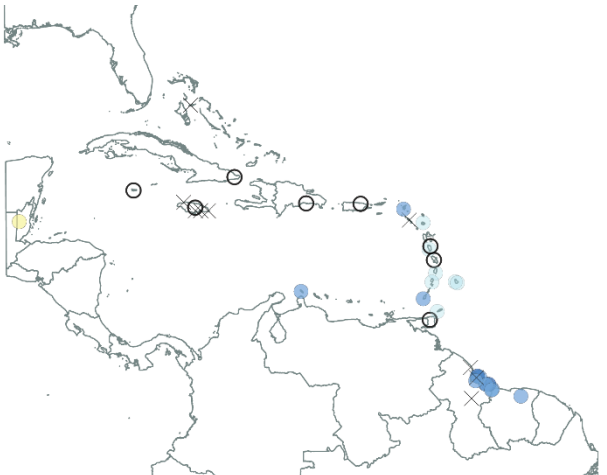
Wet days outlook



NDJ 2017 frequency of 7-day wet spells



NDJ 2017 frequency of 7-day very wet spells



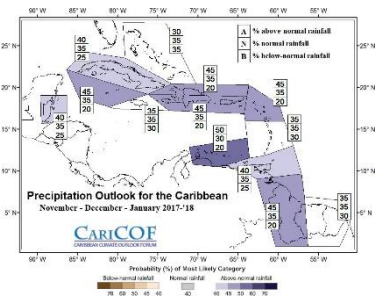
USUALLY: Between 2 and 5 wet spells occur from November to January, with 1 to 3 of them ending up very wet (coastal Guianas: up to 3).

FORECAST: NDJ rainfall is likely to be above-normal except in The Bahamas. The forecast indicates an increase in the number of wet days in ABC Islands, Grenada, Guyana and Trinidad & Tobago (*low to medium confidence*). Similarly, an increase in the number of wet spells is forecast from the Windwards southward (*medium confid.*).

IMPLICATION:

- Ample recharge of large water reservoirs ahead of the coming dry season in the southern Caribbean.

Precipitation outlook



Extreme wet spells frequency shifts

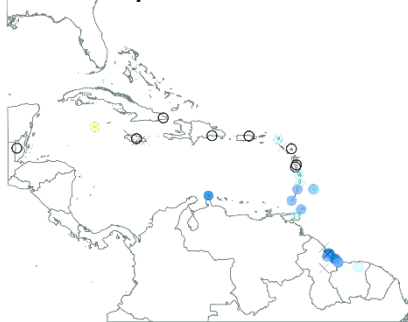
Forecast for: November to January 2017-'18

NDJ 2017 frequency of extreme (top 1%) 3-day wet spells

Wet days outlook



Wet spells outlook



Very wet spells outlook



USUALLY: Up to 2 extreme wet spells occur from November to January (Belize and the Greater Antilles up to 1).

FORECAST: NDJ rainfall is likely to be above- to normal except in The Bahamas. The forecast indicates an increase in the number of wet days in ABC Islands, Grenada, Guyana and Trinidad & Tobago (*low to medium confidence*). Similarly, an increase in the number of wet spells is forecast from the Windwards southward (*medium confid.*).

By contrast, the forecast indicates no change from the usual number of wet days or extreme wet spells (*low confidence*).

IMPLICATION: Flash flood potential remains a concern, especially in the ABC and Windward Islands and Guianas.

November to January 2017-'18	No. of wet days		No. of 7-day wet spells (20% wettest)		No. of 7-day very wet spells (10% wettest)		No. of 3-day extremely wet spells (1% wettest)	
	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast
Antigua (VC Bird)	29-44	28-45	2.1-4.7	2-4.8	0.9-2.6	0.8-3	0-1	0-0.9
Aruba (Beatrix)	19-45	22-49	2.6-8.1	4-10.1	0.9-5.4	1.8-6.6	0-2	0-2.3
Barbados (CIMH)	30-47	31-50	1.7-4.7	2.1-5.4	0.9-2.7	0.8-3.4	0-1	0-1.4
Barbados (GAIA)	31-45	29-46	2-4.7	2.1-5.3	0.9-3	0.9-3.2	0-1.3	0-1.8
Belize (C. Farm)	30-46	26-47	1.7-5.1	1.9-4.9	0.9-2.7	0.7-2.6	0-1	0-0.9
Cayman	18-26	15-30	0.9-3	0.8-3.2	0.4-2.1	0.3-2.1	0-1	0-1.6
Cuba (Punta Maisi)	17-28	16-30	2.6-4.7	2.6-5.1	0.9-2.7	0.8-3	0-1	0-1.3
Dom. Republic (Las Americas)	20-28	18-30	1.8-3.5	1.5-3.8	0.4-1.7	0.3-1.8	0-0.8	0-0.2
Dominica (Canefield)	41-53	40-55	1.9-3.4	1.7-4.3	0.6-2.2	0.7-2.3	0-1	0-0.8
Dominica (Douglas Charles)	55-66	53-69	1.7-4.7	1.7-5.1	0.5-2.6	0.6-3	0-1	0-1.4
Grenada (MBIA)	29-43	29-49	2-4.7	2.3-5.7	0.9-2.6	1-3.4	0-1.1	0-1.7
Guyana_73	15-31	19-33	1.3-4.6	1.6-5.1	0.4-3.1	0.7-3.8	0-2	0-1.6
Guyana (Albion)	26-49	30-52	1.3-5.1	2.2-6.3	0.4-3	1-3.7	0-1	0-1.5
Guyana (Blairmont)	31-55	34-57	1.7-4.8	2.2-6	0.5-2.6	1-3.8	0-2	0-1.8
Guyana (Enmore)	27-52	34-60	1.7-4.9	2.4-6.1	0.9-3.4	1.3-4	0-1.4	0-1.8
Guyana (Georgetown)	36-60	40-61	1.3-5.6	2.1-7.1	0.8-4.1	1.2-4.9	0-2.9	0-2.7
Guyana (New Amsterdam)	30-51	34-55	1.6-4.3	2.1-5.8	0.6-3.2	1.1-3.9	0-2	0-2
Guyana (Skeldon)	32-45	31-51	1.7-4.3	1.9-4.9	0.4-2.5	0.7-2.8	0-1.7	0-1.5
Guyana (Timehri)	40-64	46-65	1.6-5.2	2.3-6.3	0.9-3.1	0.9-3.7	0-1	0-1.6
Jamaica (Worthy Park)	21-28	18-31	1.6-3	1.4-3.1	0.1-2.1	0.1-1.9	0-1	0-0
Martinique (FDF Desaix)	50-62	48-66	2.5-4.7	1.9-5.5	0.9-2.6	0.8-2.7	0-1	0-1
Puerto Rico (San Juan)	36-51	38-55	2.6-5.2	2.7-5.5	0.9-2.6	0.9-2.9	0-1	0-1.2
St. Lucia (Hewanorra)	38-50	36-54	1.7-3.6	2-4.6	0.8-2.6	0.7-2.9	0-1	0-0.9
St. Maarten (TNCM)	34-52	34-53	2.1-5.2	2.5-6.1	1.3-3.1	1.2-3.8	0-1	0-2.1
St. Vincent (ET Joshua)	50-66	50-66	2-4.7	2.1-6	0.9-2.6	1-3.5	0-1	0-1.5
Suriname (Zanderij)	39-52	37-54	1.7-3.5	1.6-3.7	0.4-1.7	0.6-2.3	0-1	0-1.3
Tobago (ANR Robinson)	36-51	36-51	2.1-4.1	1.6-4.9	0.9-2.4	0.8-2.5	0-1	0-1.4
Trinidad (Piarco)	36-46	34-49	2.6-4.6	2.5-5.3	1.3-3	1.1-3.4	0-1	0-1.5

dark blue an increase,
 brown is a decrease in frequency,

grey none are expected



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