

# Rainfall frequency and extreme forecasts

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## wet days and wet spells outlooks

### October to December 2017

**Dr. Cedric VAN MEERBEECK<sup>1</sup> , Wazita Scott<sup>1</sup>**, Dr. Simon MASON<sup>2</sup>,  
Ángel MUÑOZ<sup>2</sup>, Dr. Teddy ALLEN<sup>2</sup>, Dale Destin<sup>3</sup>

<sup>1</sup>Caribbean Institute for Meteorology and Hydrology (CIMH), Barbados

<sup>2</sup>International Research Institute for Climate and Society (IRI), USA

<sup>3</sup>Antigua and Barbuda Meteorological Services

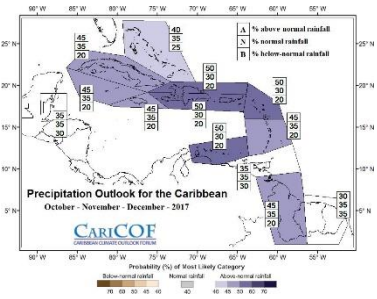




**FORECAST: OND rainfall is likely to be above- to normal in the Antilles, The Bahamas, Belize, and W Guianas, but below- or normal in E Guianas. The forecast indicates no change from the usual number of wet days (*low confidence*).**

## IMPLICATION:

- **Frequent rainfall disruptions of outdoor activities.**
- **Surface wetness keeps environmental conditions more conducive to mosquito breeding and moisture related pests.**



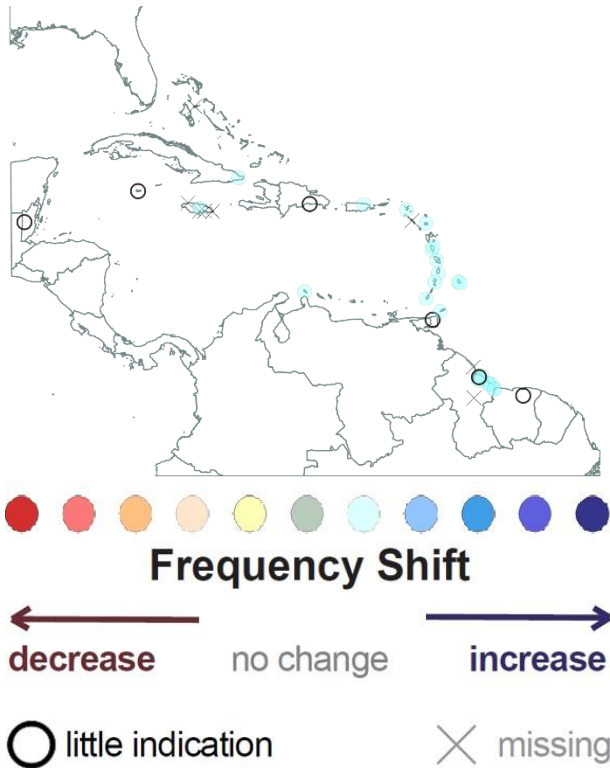
Wet days outlook



# Wet spells frequency shifts

## Forecast for: October to December 2017

OND 2017 frequency of 7-day wet spells



OND 2017 frequency of 7-day very wet spells



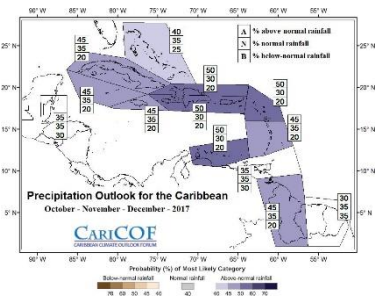
**USUALLY:** Between 3 and 6 wet spells (coastal Guianas: 1-4) occur from October to December, with 1 to 4 of them ending up very wet (coastal Guianas: up to 2).

**FORECAST:** OND rainfall is likely to be above- to normal in the Antilles, The Bahamas, Belize, and W Guianas, but below- or normal in E Guianas. The forecast indicates no change from the usual number of wet days (*low confidence*). **By contrast, a few more wet and very wet spells are forecast for many locations (*low to medium confid.*).**

### IMPLICATION:

- Ample recharge of large water reservoirs ahead of the coming dry season in Belize and the islands, and into the wet season in the Guianas.

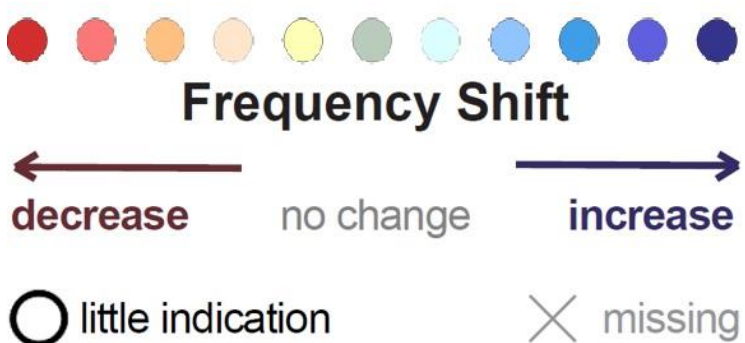
Precipitation outlook



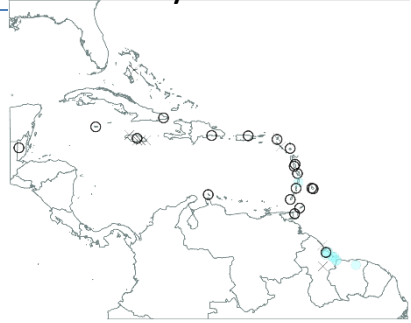
# Extreme wet spells frequency shifts

Forecast for: October to December 2017

**OND 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 October to December (Guianas: up to 1).

**FORECAST:** OND rainfall is likely to be above- to normal in the Antilles, The Bahamas, Belize, and W Guianas, but below- or normal in E Guianas. The forecast indicates no change from the usual number of wet days **or extreme wet spells** (*low confidence*). By contrast, a few more wet and very wet spells are forecast for many locations (*low to medium confid.*).

**IMPLICATION:** Flash flood potential is a concern throughout the region, incl. coastal Guianas from November onwards.

October to December 2017	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)		grey none are expected  dark blue an increase,  brown is a decrease in frequency,
	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast	
Antigua (VC Bird)	32-44	31-46	3-5.7	2.9-6.1	1.2-3.4	1.4-4.8	0-1.1	0-1.5	
Aruba (Beatrix)	15-36	16-37	2.7-7.5	3.2-8.1	1-5.7	1.1-4.4	0-2.3	0-2.2	
Barbados (CIMH)	36-49	35-51	3.7-6.1	3.7-6.6	1.6-4	2-4.3	0-2	0-2	
Barbados (GAIA)	37-49	36-50	3.6-6	3.8-6.4	1.6-3.6	2-4.2	0-2	0-1.9	
Belize (C. Farm)	33-49	32-51	2.9-5.7	2.8-5.8	1.3-3	1.4-3.8	0-1.3	0-1.6	
Cayman	27-41	27-44	2.9-5.4	2.9-6.1	1.2-3.9	2-5	0-2.4	0-2.1	
Cuba (Punta Maisi)	16-31	16-32	2.6-5.6	2.8-6.4	1.2-4	1.8-4.6	0-2	0-1.8	
Dom. Republic (Las Americas)		23-37		2.2-5.6		1.7-4.8		0-1.3	
Dominica (Canefield)	42-56	42-57	2.9-5.2	2.7-5.9	1.2-3.2	1.4-4.1	0-1.6	0-1.8	
Dominica (Douglas Charles)	57-69	57-72	3.1-6.1	3.3-6.8	1.7-3.7	1.8-4	0-1.1	0-1.5	
Grenada (MBIA)	34-48	34-49	3.5-5.8	3.2-6.4	1.3-3.6	1.4-4.1	0-1.8	0-1.8	
Guyana_73	12-23	12-26	1.1-3.1	1.2-3.5	0.1-2.2	0.1-1.5	0-1.2	0-0.5	
Guyana (Albion)	17-36	16-40	0.8-4.2	1-4.7	0.1-2.1	0.2-1.3	0-0.9	0-0.6	
Guyana (Blairmont)	20-38	20-39	0.9-3.6	1.2-3.8	0.3-1.8	0.2-1.3	0-0.7	0-0.9	
Guyana (Enmore)									
Guyana (Georgetown)	17-43	19-45	0.9-3.8	1.2-4.4	0.4-2.3	0.2-1.1	0-1.3	0-1.1	
Guyana (New Amsterdam)	26-43	28-47	0.9-3.8	1.3-4.1	0.3-2.3	0.1-1.1	0-1.3	0-1.3	
Guyana (Skeldon)						0.2-1.6			
Guyana (Timehri)	22-36	21-39	0.9-3.6	1.1-4	0.3-1.9	0-1.4	0-0.7	0-1.1	
Jamaica (Worthy Park)	24-36	23-39	1.2-3.4	1.3-3.7	0.4-1.8	0.4-1.5	0-1.3	0-1	
Martinique (FDF Desaix)	38-49	37-51	1.7-3.9	1.8-4.1	0.4-2.1	0.5-1.8	0-0.7	0-0.5	
Puerto Rico (San Juan)		34-53		2.2-5.8		0.2-1.8		0-1.3	
St. Lucia (Hewanorra)	26-42	26-43	2.9-5.5	2.7-5.6	1.2-3	1.4-4.1	0-1.3	0-1.4	
St. Maarten (TNM)	50-62	49-64	3.5-6.5	3.3-6.9	1.5-3.5	1.9-4	0-2	0-1.8	
St. Vincent (ET Joshua)	39-51	37-54	3.1-5.8	3-5.9	0.9-3.3	1.5-3.7	0-1	0-1.2	
Suriname (Zanderij)	42-55	41-56	3.3-5.7	3.2-6.3	1.6-3.5	1.6-4.2	0-1.4	0-1.6	
Tobago (ANR Robinson)	35-50	35-52	2.7-5.6	2.9-6.3	1.3-3.6	1.6-4.3	0-1.7	0-2	
Trinidad (Piarco)	52-64	52-66	3.4-6.6	3.3-7.2	1.7-3.6	1.8-4.1	0-2	0-2.2	





**CARICOF**  
CARIBBEAN CLIMATE OUTLOOK FORUM

*caricof@cimh.edu.bb*

*rcc.cimh.edu.bb*

Caribbean Institute for Meteorology and Hydrology

TEL: (246) 425-1362/3 | FAX: (246) 424-4733