

# Rainfall frequency and extreme forecasts

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## Wet days and Wet spells Outlooks February to April 2025

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

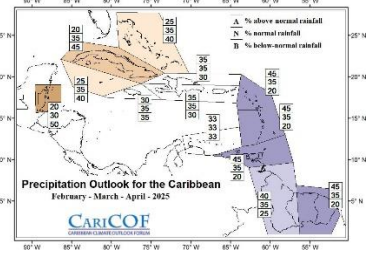
<sup>3</sup>Antigua and Barbuda Meteorological Services



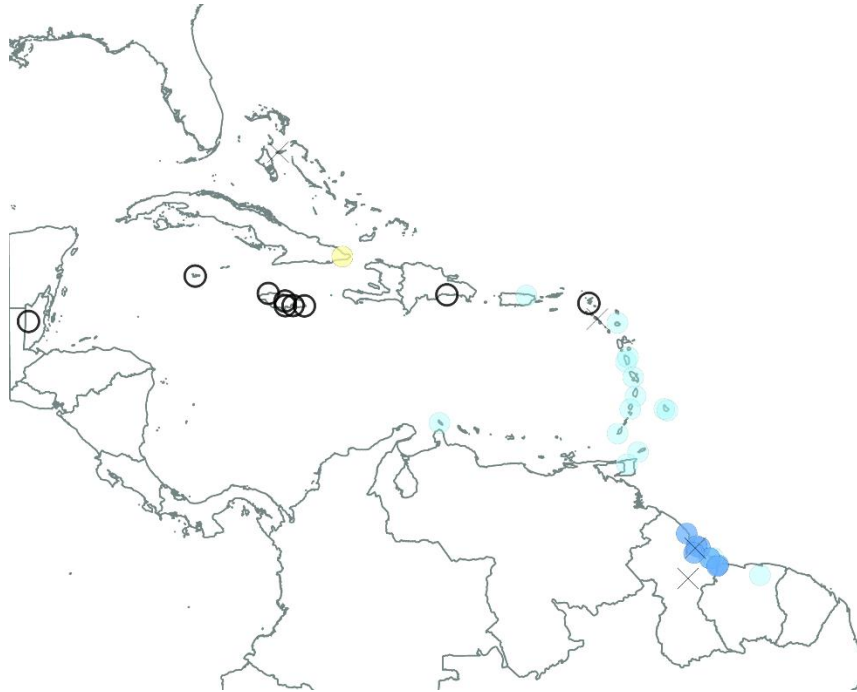
# Wet day frequency shifts

## Forecast for: February to April 2025

Precipitation outlook



**FMA 2025**  
**Frequency of wet days**



**USUALLY:** Out of 90 days in Feb-Mar-Apr, there are about 15 to 30 wet days (ABC Islands: 5-15; coastal Guianas: 20-45).

**FORECAST:** FMA may be wetter than usual along the Lesser Antilles and the Guianas, but drier than usual in Belize and towards the NW part of the region.

- An increase in wet days is expected in most islands east of Puerto Rico and the ABC islands (*low to medium confidence*) and in the coastal Guianas (*medium confidence*).

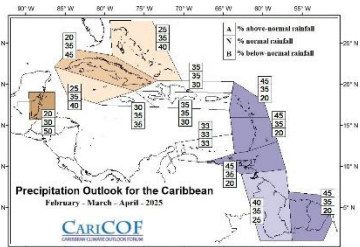
### IMPLICATIONS:

- Few wet days during the core of the dry season, leading to fewer outdoor activity disruptions, as well as to drier surfaces and vegetation, in turn making environmental conditions less conducive to moisture-related pests, but with heightened wildfire potential by March.

# Wet spells frequency shifts

## Forecast for: February to April 2025

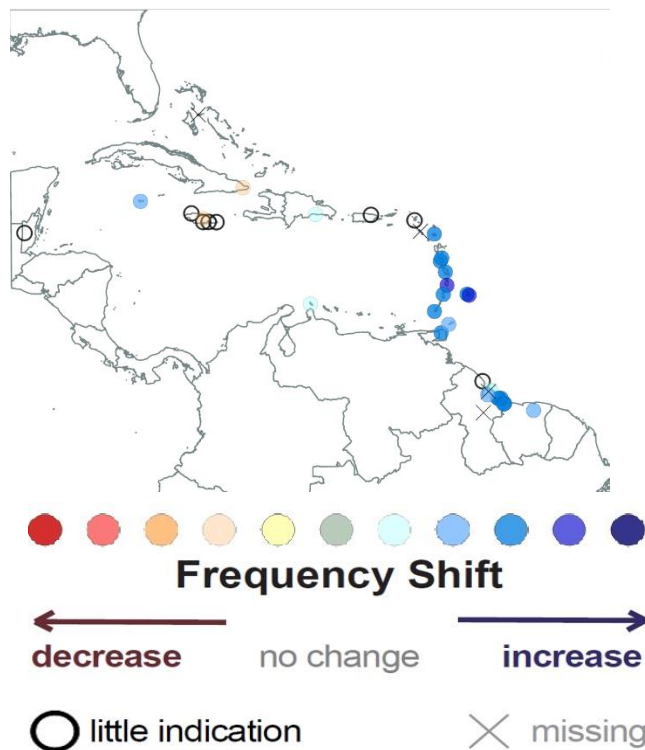
Precipitation outlook



Wet days outlook



FMA 2025 frequency of 7-day wet spells



FMA 2025 frequency of 7-day very wet spells



**USUALLY:** Up to three 7-day wet spells (coastal Guianas: up to 4) occur from Feb to Apr, with up to 1 of them ending up very wet (coastal Guianas: up to 2).

**FORECAST:** FMA may be wetter than usual along the Lesser Antilles and the Guianas, but drier than usual in Belize and towards the NW part of the region.

- A higher than usual number of 7-day wet and very spells is expected for most of the Lesser Antilles, the coastal Guianas, and the ABC Islands (*medium confidence*).

### IMPLICATIONS:

- Though flooding potential should be low to moderate in the islands and Belize, it may more significantly increase by April than in most years.
- By comparison, moderate potential is forecast in the coastal Guianas – esp. where soils are saturated – in the short dry season.
- Water depletion rates in smaller and larger surface reservoirs and in rivers may be slower than usual in the Lesser Antilles.

# Extreme wet spells frequency shifts

## Forecast for: February to April 2025

**USUALLY:** Up to 1 extreme wet spells occur from February to April in the coastal Guianas and in mountainous areas of other countries.

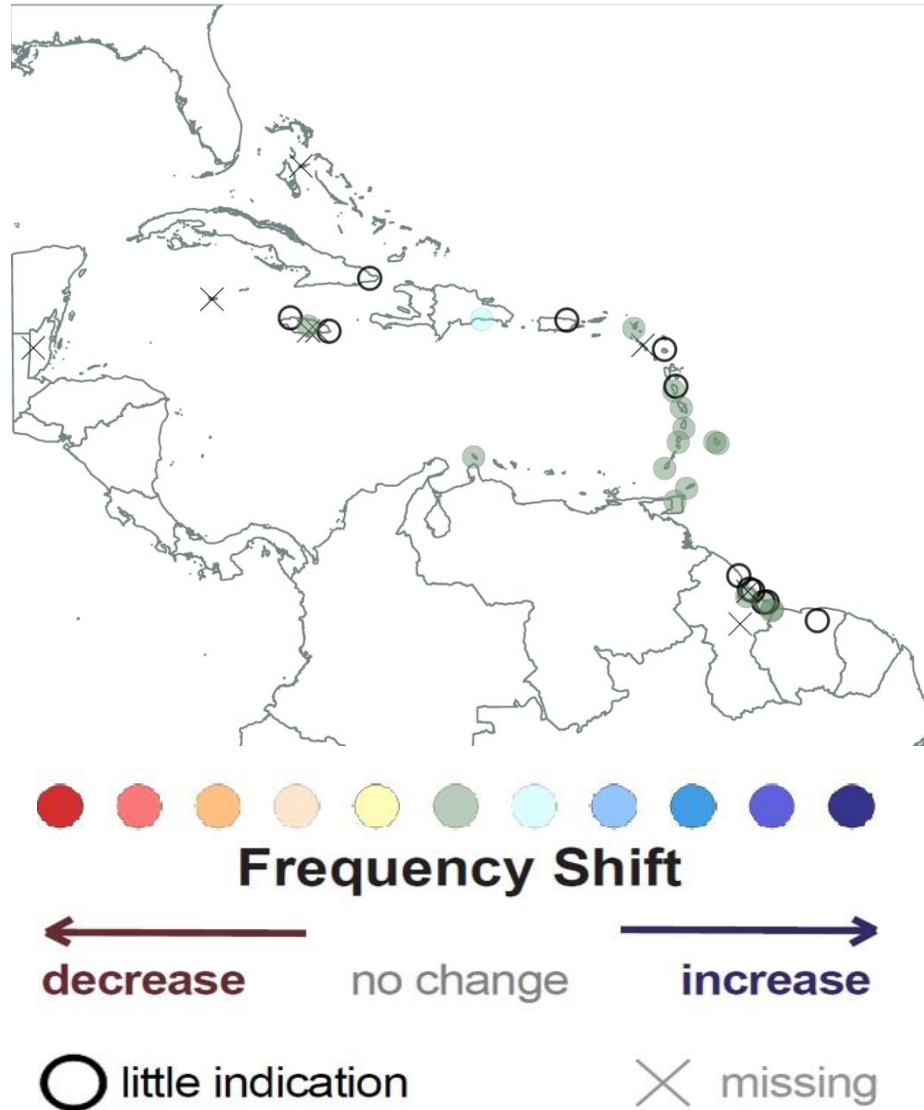
**FORECAST:** FMA may be wetter than usual along the Lesser Antilles and the Guianas, but drier than usual in Belize and towards the NW part of the region.

- There is little indication of any significant change in the chance of occurrence of extreme wet spells across most of the region at this time (*low confidence*).

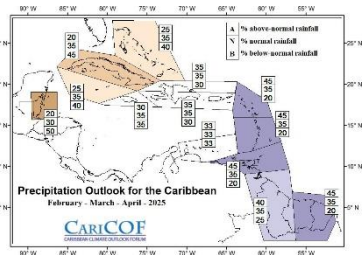
**IMPLICATIONS:**

- While not absent, the low chance of occurrence of extreme wet spells at this time in the Caribbean Islands and Belize (moderate in the coastal Guianas and in mountainous areas) translates to a *limited to moderate* potential for flash floods and cascading hazards.

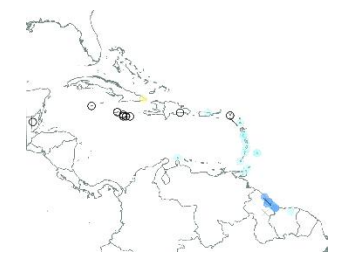
### FMA 2025 frequency of extreme (top 1%) 3-day wet spells



### Precipitation outlook



### Wet days outlook



### Wet spells outlook



### Very wet spells outlook





# February to April 2025

	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)	15-29	16-32	0.9-2.6	1-3.4	0.2-1.3	0.1-1.5	0-1	0-1
Aruba (Beatrix)	4-15	4-17	0.4-2.6	0.5-2.5	0-1.3	0-1.4	0-0	0-0
Barbados (CIMH)	15-29	17-33	0.4-1.7	0.6-2.3	0-0.9	0-1.2	0-0	0-0
Barbados (GAIA)	18-29	18-34	0.4-2.2	0.8-3	0-0.9	0.1-1.2	0-0	0-0
Belize (C. Farm)	9-17	7-19	0.4-1.4	0.1-1.8	0-0.9	0-0.8	0-0	0-0
Cayman	7-16	6-18	0-1.3	0-2.3	0-0.8	0-1.1	#DIV/0!	#DIV/0!
Cuba (Punta Maisi)	10-16	8-17	1.7-3.1	1.2-3.3	0.4-1.8	0.3-1.6	0-1	0-0.5
Dom. Republic (Las Americas)	12-21	11-22	0.9-2.3	0.7-3.1	0.4-1.5	0.3-1.6	0-0	0-0.1
Dominica (Canefield)	25-35	23-43	0-2.2	0.2-3	0-1	0-1	0-0	0-0
Dominica (Douglas Charles)	38-56	38-60	0.4-2.4	0.9-3.6	0-1.7	0.1-1.9	0-0.6	0-0.4
Grenada (MBIA)	11-24	13-27	0-1.8	0.2-3	0-0.8	0-1.6	0-0	0-0
Guyana_73	16-27	17-31	1.3-4.3	1.7-5.5	0.4-2.6	0.6-2.9	0-1.1	0-0.3
Guyana (Albion)	23-37	23-41	0.9-3.5	1.4-4	0-1.8	0.4-2.4	0-1	0-0.8
Guyana (Blairmont)	24-43	25-47	0.9-3.3	1.2-4.3	0.4-1.7	0.5-2.4	0-1	0-0.3
Guyana (Charity)								
Guyana (Enmore)	24-38	26-41	1.3-3	1.3-3.2	0.4-2	0.5-2.1	0-1.1	0-0.8
Guyana (Georgetown)	23-42	26-46	0.7-3.4	0.9-3.6	0-2.1	0.3-2.3	0-1	0-0.8
Guyana (Greatfall)								
Guyana (New Amsterdam)	24-41	26-47	0.9-3.4	1.3-4.6	0.3-2.2	0.5-2.7	0-1	0-0.9
Guyana (Skeldon)	23-41	26-46	1.3-3.9	1.6-5.4	0.4-2.4	0.7-2.7	0-1	0-0.2
Guyana (Timehri)	25-45	28-52	0.4-3.1	0.9-4.2	0-2	0.6-2.3	0-1	0-0.8
Guyana_Wales								
Jamaica (Worthy Park)	14-25	12-26	0.9-3.1	0.5-3.3	0-2.1	0-1.6	0-0	0-0
Martinique (FDF Desaix)	30-47	30-52	0.4-1.8	0.7-2.8	0-0.9	0.1-1.5	0-0	0-0
Puerto Rico (San Juan)	21-35	21-38	0.9-2.8	0.8-3	0.4-1.7	0.2-2.4	0-1	0-0.8
St. Lucia (Hewanorra)	21-35	21-39	0-2.6	0.9-3.5	0-1.3	0.1-1.8	0-1	0-0.5
St. Maarten (TNCM)	22-38	21-39	0.9-2.9	0.7-3.5	0.2-1.3	0.1-1.6	0-0	0-0
St. Vincent (ET Joshua)	31-48	32-54	0-2.6	0.8-3.6	0-1.3	0.1-1.8	0-0	0-0
Suriname (Zanderij)	37-55	36-60	1.5-4.9	1.7-5.5	0.9-2.7	0.8-3.6	0-1	0-1.3
Tobago (ANR RobinNDJ)	12-31	15-31	0-1.3	0-1.3	0-0.4	0-1.1	0-0	0-0
Trinidad (Piarco)	11-32	14-33	0.2-2	0.4-2.7	0-1.3	0.1-1.6	0-0	0-0

**brown** is a decrease in frequency, **light blue** an increase, **grey** none are expected



**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