

Rainfall frequency and extreme forecasts

— Wet days and Wet spells Outlooks February to April 2026

Coordination: Caribbean Institute for Meteorology & Hydrology

Dr. Cédric J. Van Meerbeeck - Climatologist

Dr. Teddy Allen – Asst. Climatologist

caricof@cimb.edu.bb

Participating territories

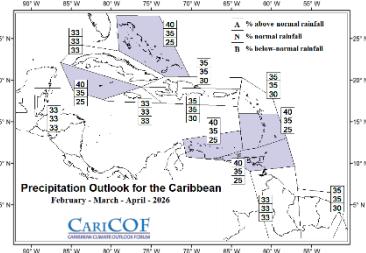
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Puerto Rico, St. Barth's, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname, Trinidad & Tobago and the US Virgin Islands



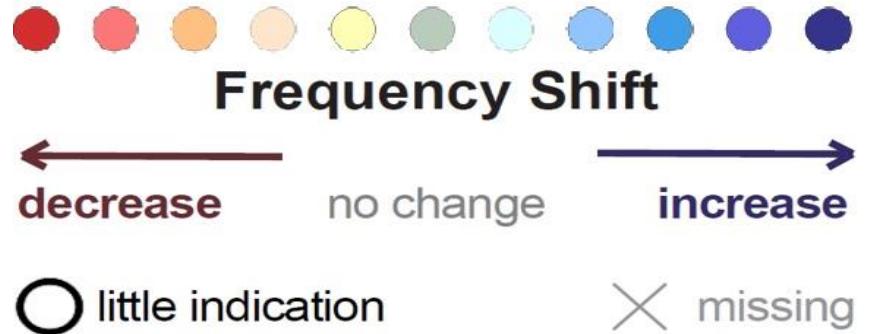
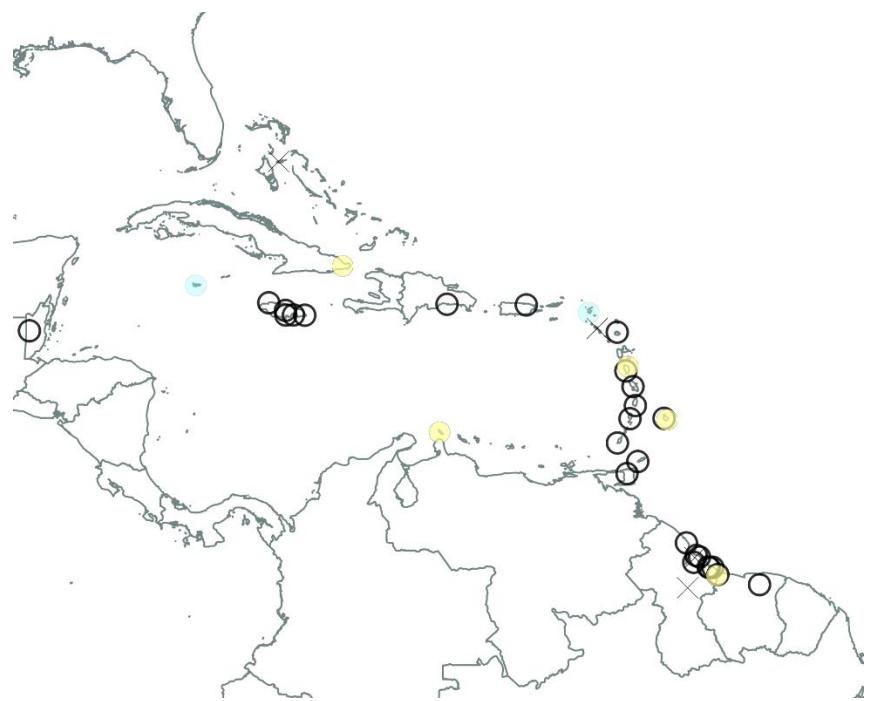
Wet day frequency shifts

Forecast for: February to April 2026

Precipitation outlook



FMA 2026 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 ABC Islands, The Bahamas, Barbados, Grand Cayman, Trinidad & Tobago, and the Windward Islands.

- The forecast does not suggest significant differences from the usual number of wet days (*low confidence*).

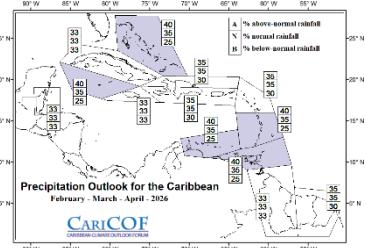
IMPLICATIONS:

- 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.

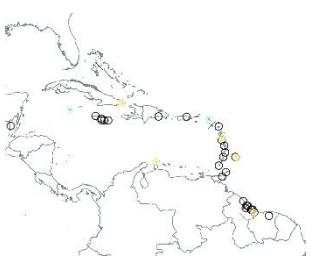
Wet spells frequency shifts

Forecast for: February to April 2026

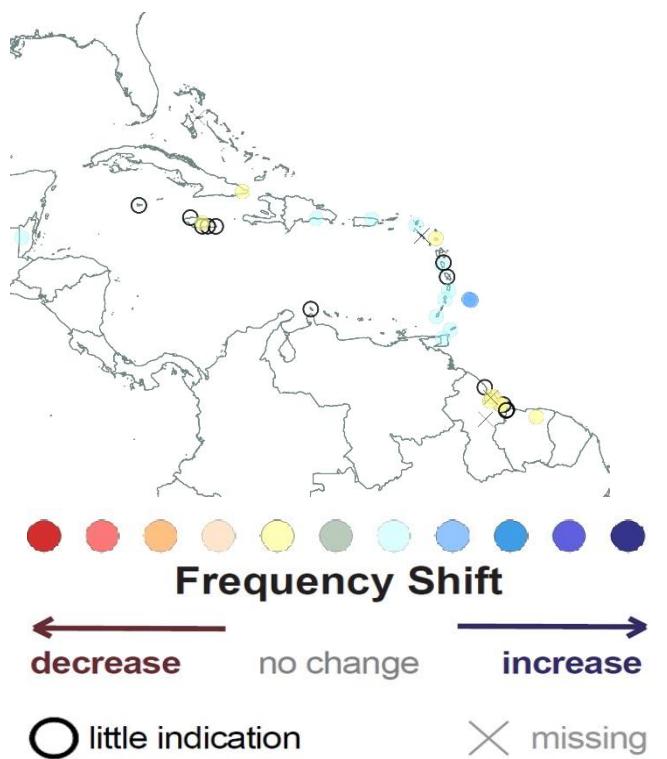
Precipitation outlook



Wet days outlook



FMA 2026 frequency of 7-day wet spells



FMA 2026 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 ABC Islands, The Bahamas, Barbados, Grand Cayman, Trinidad & Tobago, and the Windward Islands.

- A slightly lower than usual number of 7-day wet and very spells is expected coastal Guyana and Suriname with possibly slightly fewer 7-day wet spells expected in eastern Cuba, Jamaica and Antigua (*low confidence*) but, possibly, a slightly more than usual in most islands from Hispaniola south and eastward to Trinidad (*low to medium confidence*).

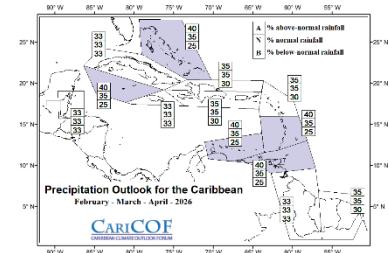
IMPLICATIONS:

- Flooding potential should be *limited to moderate* in the islands and Belize, seasonably increasing by April.
- By comparison, *moderate* potential is forecast in the coastal Guianas – esp. where soils are saturated – during the short dry season.
- Water depletion rates in surface reservoirs and in rivers close to usual in the Lesser Antilles.

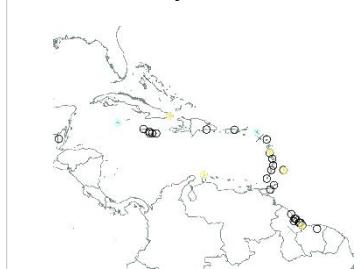
Extreme wet spells frequency shifts

Forecast for: February to April 2026

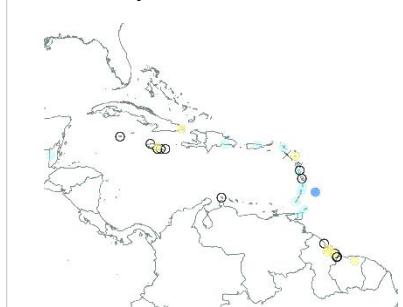
Precipitation outlook



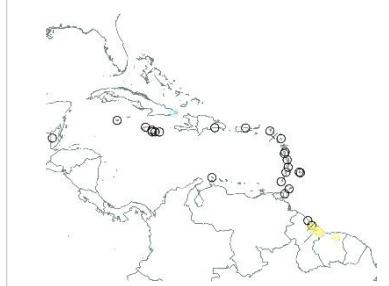
Wet days outlook



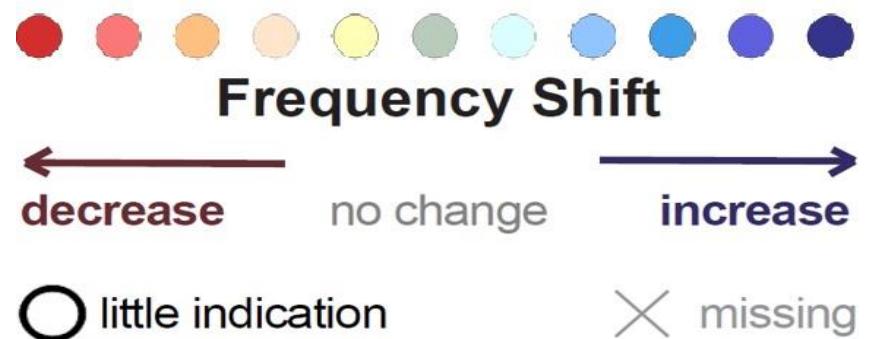
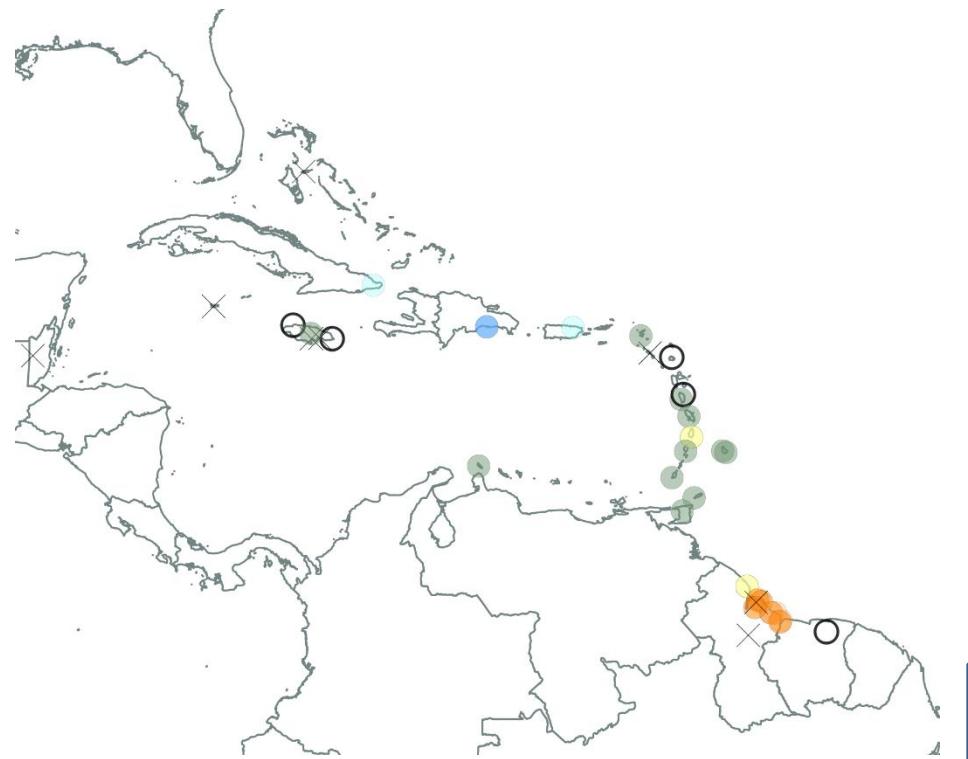
Wet spells outlook



Very wet spells outlook



FMA 2026 frequency of extreme (top 1%) 3-day wet spells



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 ABC Islands, The Bahamas, Barbados, Grand Cayman, Trinidad & Tobago, and the Windward Islands.

- A lower than usual chance of extremely wet spells is forecast for the coastal Guyana (*medium confidence*), but a slightly increased chance in the Dominican Republic, eastern Cuba, and eastern Puerto Rico (*low to medium confidence*).

IMPLICATIONS:

- The low chance of occurrence of extreme wet spells at this time in the Caribbean Islands and Belize, but moderate chance in the coastal Guianas and in mountainous areas, translates to a *limited to moderate* potential for flash floods and cascading hazards.

February to April 2026

	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	15-34	0.9-2.6	0.6-2.9	0.2-1.3	0-1.4	0-1	0-1
Aruba (Beatrix)	4-15	2-14	0.4-2.6	0.4-2.4	0-1.3	0-1	0-0	0-0
Barbados (CIMH)	15-29	14-31	0.4-1.7	0.3-2.2	0-0.9	0-1	0-0	0-0
Barbados (GAIA)	18-29	15-33	0.4-2.2	0.4-2.9	0-0.9	0-1	0-0	0-0
Belize (C. Farm)	9-17	7-20	0.4-1.4	0.2-2.1	0-0.9	0-0.8	0-0	0-0
Cayman	7-16	7-21	0-1.3	0-2.3	0-0.8	0-1		
Cuba (Punta Maisi)	10-16	7-17	1.7-3.1	1.2-3.6	0.4-1.8	0.4-1.9	0-1	0-0.6
Dom. Republic (Las Americas)	12-21	10-24	0.9-2.3	0.8-4	0.4-1.5	0.3-1.6	0-0	0-0.1
Dominica (Canefield)	25-35	22-43	0-2.2	0.1-3.1	0-1	0-1	0-0	0-0
Dominica (Douglas Charles)	38-56	33-58	0.4-2.4	0.5-3.2	0-1.7	0-1.6	0-0.6	0-0.4
Grenada (MBIA)	11-24	11-26	0-1.8	0.1-3	0-0.8	0-1	0-0	0-0
Guyana_73	16-27	15-30	1.3-4.3	1-4.6	0.4-2.6	0.3-2.1	0-1.1	0-0.2
Guyana (Albion)	23-37	20-40	0.9-3.5	0.7-3.3	0-1.8	0.1-1.7	0-1	0-0.4
Guyana (Blairmont)	24-43	21-45	0.9-3.3	0.6-3.1	0.4-1.7	0.1-1.6	0-1	0-0.2
Guyana (Charity)								
Guyana (Enmore)	24-38	23-40	1.3-3	1-2.8	0.4-2	0.3-1.6	0-1.1	0-0.5
Guyana (Georgetown)	23-42	22-44	0.7-3.4	0.5-2.8	0-2.1	0.1-1.7	0-1	0-0.3
Guyana (Greatfall)								
Guyana (New Amsterdam)	24-41	22-45	0.9-3.4	0.6-3.5	0.3-2.2	0.1-1.8	0-1	0-0.5
Guyana (Skeldon)	23-41	22-43	1.3-3.9	0.9-4.5	0.4-2.4	0.2-2	0-1	0-0.1
Guyana (Timehri)	25-45	24-49	0.4-3.1	0.4-3.2	0-2	0.1-1.6	0-1	0-0.3
Guyana_Wales								
Jamaica (Worthy Park)	14-25	13-29	0.9-3.1	0.5-4.2	0-2.1	0-1.9	0-0	0-0
Martinique (FDF Desaix)	30-47	28-51	0.4-1.8	0.3-2.4	0-0.9	0-1.3	0-0	0-0
Puerto Rico (San Juan)	21-35	20-39	0.9-2.8	0.9-3.7	0.4-1.7	0.2-2.2	0-1	0-1.1
St. Lucia (Hewanorra)	21-35	18-38	0-2.6	0.3-3.2	0-1.3	0-1.5	0-1	0-0.2
St. Maarten (TNCM)	22-38	22-44	0.9-2.9	0.8-5.5	0.2-1.3	0-1.5	0-0	0-0
St. Vincent (ET Joshua)	31-48	29-53	0-2.6	0.3-3.2	0-1.3	0-1.5	0-0	0-0
Suriname (Zanderij)	37-55	32-59	1.5-4.9	1.1-4.7	0.9-2.7	0.7-3.3	0-1	0-1.2
Tobago (ANR RobinNDJ)	12-31	13-31	0-1.3	0-1.3	0-0.4	0-1	0-0	0-0
Trinidad (Piarco)	11-32	11-30	0.2-2	0.1-2.7	0-1.3	0-1.4	0-0	0-0

grey is a decrease in frequency, **light blue** is an increase, **brown** is a decrease in frequency, **red** is an increase, **black** is no change.



CARI^{COF}
CARIBBEAN CLIMATE OUTLOOK FORUM

**Regional climate data, information, tools,
experimental and operational products
are available at**

<https://rcc.cimh.edu.bb>

Coordination: Caribbean Institute for Meteorology & Hydrology
Contact: caricof@cimh.edu.bb

Author(s): Dr. Teddy Allen – *Asst. Climatologist*
Dr. Cédric J. Van Meerbeeck – *Climatologist*
[\(cmeerbeeck@cimh.edu.bb\)](mailto:cmeerbeeck@cimh.edu.bb)

The prototype for this product was developed in 2015 with the generous support of (1) the American People through the USAID funded BRCCC Programme.

Development Team: Dr. Cedric J. VAN MEERBEECK¹, Dr. Teddy Allen^{1,2}, Dr. Simon MASON²

¹Caribbean Institute for Meteorology and Hydrology (CIMH), Barbados;

²Formerly at: International Research Institute for Climate and Society (IRI), USA