

Rainfall frequency and extreme forecasts

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Wet days and Wet spells Outlooks August to October 2025

Coordination: Caribbean Institute for Meteorology & Hydrology

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Participating territories

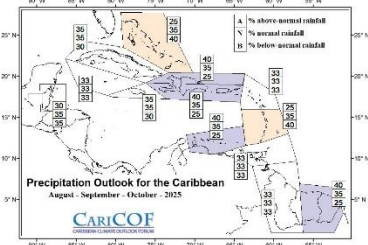
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Aprtinique, Puerto Rico, St. Barth's, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Aprtin, St. Vincent & the Grenadines, Suriname,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



Wet spells frequency shifts

Forecast for: August to October 2025

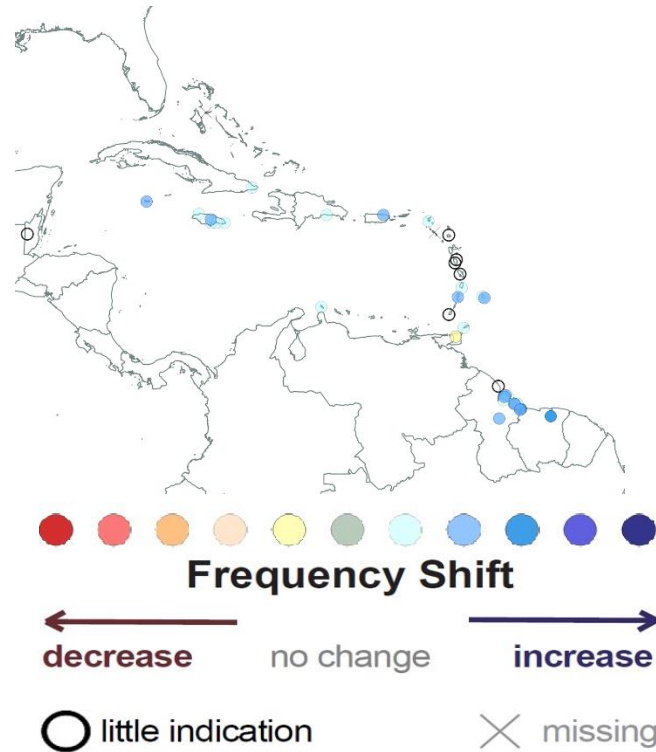
Precipitation outlook



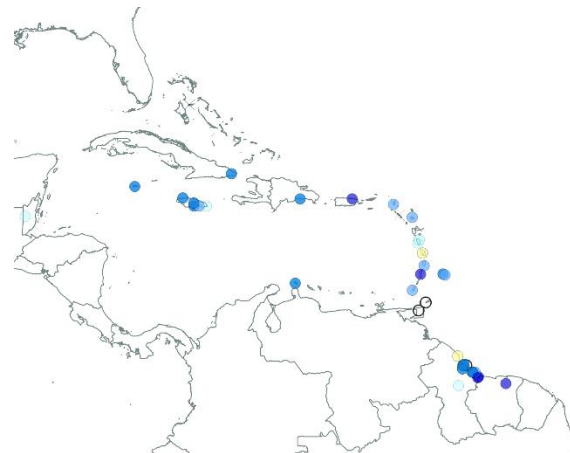
Wet days outlook



ASO 2025 frequency of 7-day wet spells



ASO 2025 frequency of 7-day very wet spells



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

FORECAST: ASO may be drier than usual in The Bahamas, Belize and along the windward islands, but at least as wet as usual elsewhere.

- An increase from the usual numbers of wet spells and very wet spells is expected across most of the region (*medium to high confidence*).

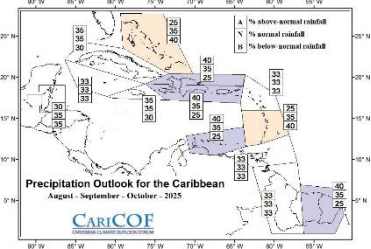
IMPLICATIONS:

- Recharge rates of large water reservoirs and soil moisture may be even faster than usual in the Lesser Antilles and coastal Guianas in view of the recurrence of wet spells.
- The chance of recurrent very wet spells translates to flood potential (1) being *high* in Belize and the islands; (2) *moderate* in the Guianas.

Extreme wet spells frequency shifts

Forecast for: August to October 2025

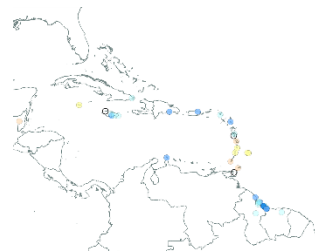
Precipitation outlook



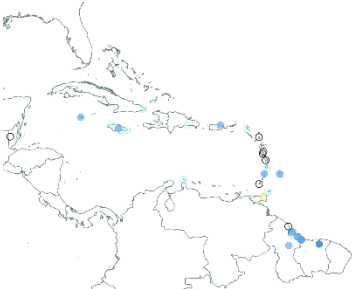
ASO 2025 frequency of extreme (top 1%) 3-day wet spells



Wet days outlook



Wet spells outlook



Very wet spells outlook



USUALLY: Up to 2 extreme wet spell occur between August to October, except in the Guianas where it is the dry season.

FORECAST: ASO may be drier than usual in The Bahamas, Belize and along the windward islands, but at least as wet as usual elsewhere.

- An increase from the usual numbers of extreme wet spells is expected in Aruba, Barbados, Belize, Grand Cayman, Grenada, Puerto Rico, Saint Lucia and Tobago (*low to medium confidence*). Low confidence of a change in extreme wet spells is expected elsewhere.

IMPLICATIONS:

- The chance for one or more extreme wet spells in Belize and the islands translates to *high* potential for flash floods and associated hazards.
- Limited to moderate flash flood potential in the Guianas which enter their long dry season in August.



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

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