

Rainfall frequency and extreme forecasts

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Wet days and Wet spells Outlooks September to November 2023

**Dr. Cedric VAN MEERBEECK¹, Dr. Teddy ALLEN¹, Dr. Simon MAOND²,
Dr. Ángel MUÑOZ², Wazita Scott¹, Dale Destin³**

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

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

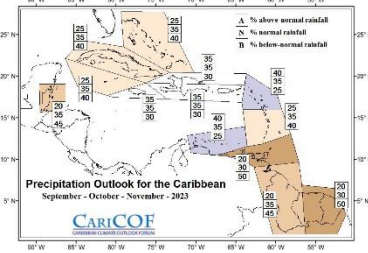
³Antigua and Barbuda Meteorological Services



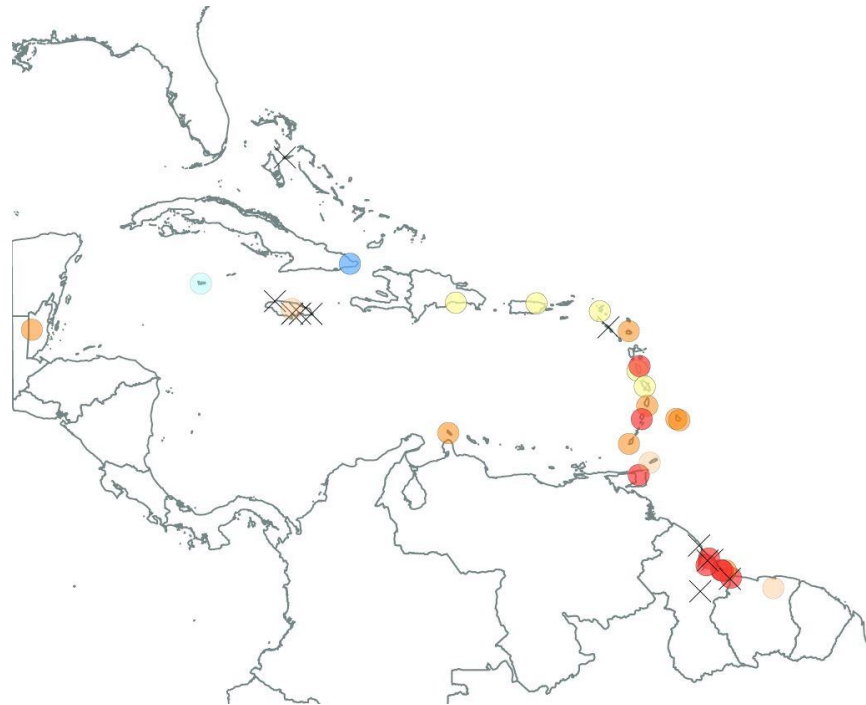
Wet day frequency shifts

Forecast for: September to November 2023

Precipitation outlook



SON 2023 Frequency of wet days



USUALLY: Out of 91 days in Sep-Oct-Nov, there are about 35 to 50 wet days (coastal Guianas: 20-35; ABC Islands: 10-20).

FORECAST: SON may be wetter than usual in the ABC Islands and Windward Islands and drier than usual elsewhere.

- Fewer wet days than usual may be expected across the region (medium to high confidence), but a slightly increased number of wet days in the Cayman Islands and eastern Cuba compared to usual (medium confidence).*

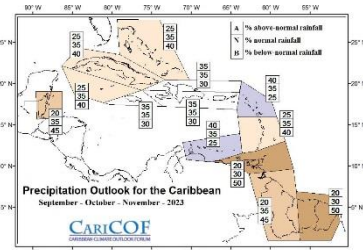
IMPLICATIONS:

- Few outdoor activity disruptions due to rainfall across the Guianas until mid-November, but frequent disruptions across Belize and the islands in view of the annual peak in rainfall frequency.
- Surface wetness with consecutive wet days could make environmental conditions more conducive to moisture-related pests across Belize and the islands, though the risk is somewhat reduced in the Lesser Antilles.

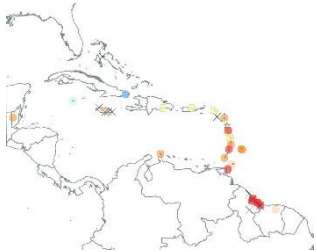
Wet spells frequency shifts

Forecast for: September to November 2023

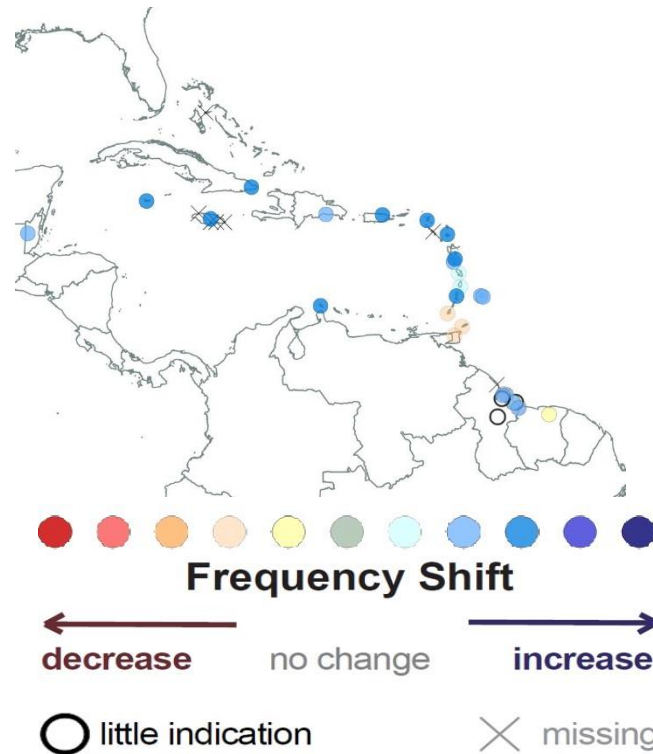
Precipitation outlook



Wet days outlook



SON 2023 frequency of 7-day wet spells



SON 2023 frequency of 7-day very wet spells



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

FORECAST: SON may be wetter than usual in the ABC Islands and Windward Islands and drier than usual elsewhere.

- Slightly fewer wet spells are expected in Grenada, Trinidad & Tobago and parts of Suriname (low to medium confidence), but more wet spells elsewhere (medium confidence).*
- An increase from the usual numbers of very wet spells is expected across most of the region (low to medium confidence) except in St. Vincent and in Trinidad where fewer are expected (medium confidence).*

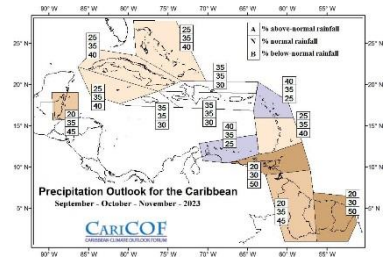
IMPLICATIONS:

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

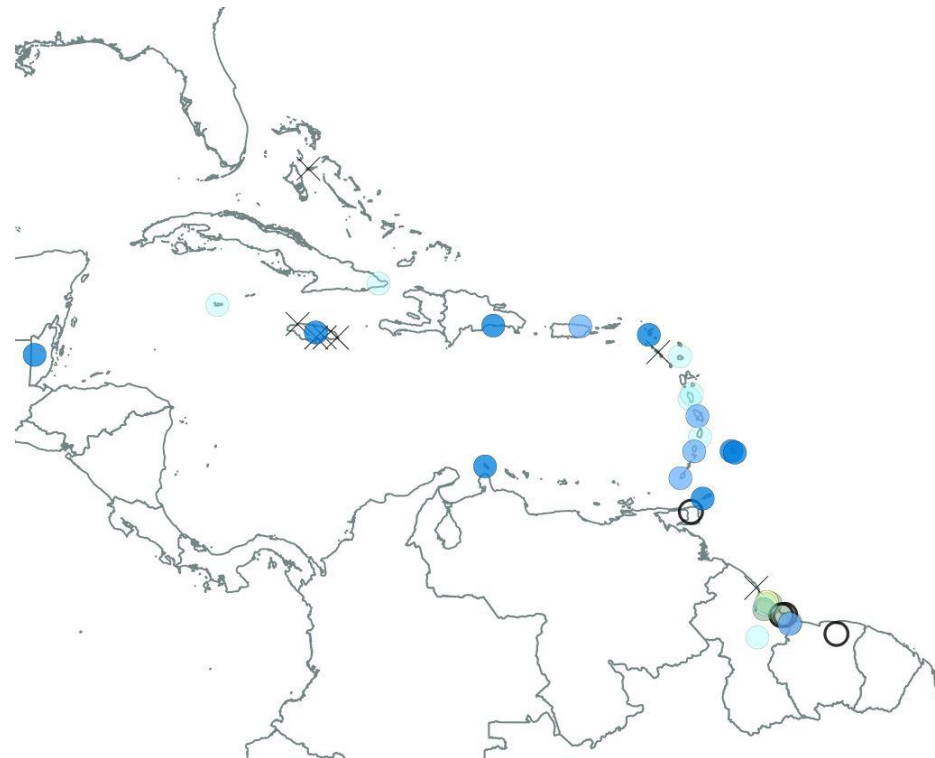
Extreme wet spells frequency shifts

Forecast for: September to November 2023

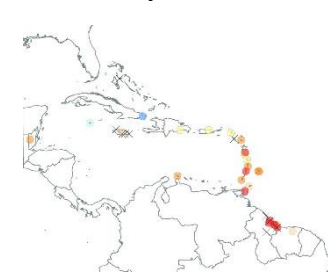
Precipitation outlook



SON 2023 frequency of *extreme (top 1%) 3-day wet spells*



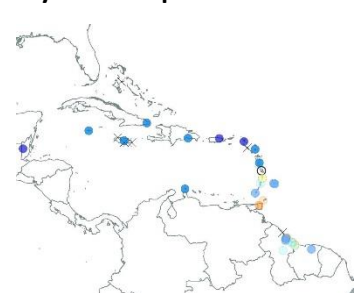
Wet days outlook



Wet spells outlook



Very wet spells outlook



USUALLY: Up to 2 extreme wet spells occur from September to November, except in the Guianas where it is the dry season.

FORECAST: SON may be wetter than usual in the ABC Islands and Windward Islands and drier than usual elsewhere.

- *An increase in the number of extreme wet spells is expected across the region (medium confidence).*

IMPLICATIONS:

- In view of the high chance of extreme wet spells in Belize and the islands, the potential for flash floods and associated hazards is expected to be high to extremely high. Moderate potential is expected in the Guianas.



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