Rainfall frequency and extreme forecasts

Wet days and Wet spells Outlooks October to December 2018

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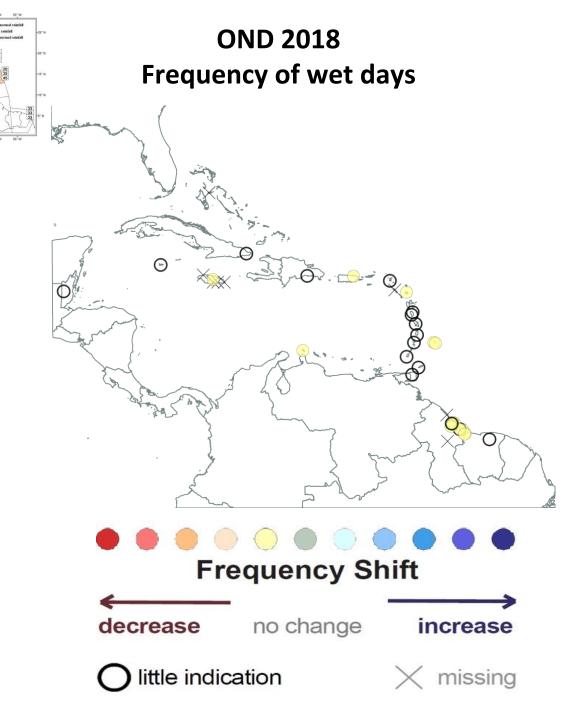




Wet day frequency shifts

Precipitation outlook

Forecast for: October to December 2018



USUALLY: Out of 92 days in Oct-Nov-Dec, there are about 35 to 50 wet days (coastal Guianas: 20-40; ABC Islands: 15-35).

FORECAST: OND rainfall may be drier than usual in the Lesser Antilles, but wetter than usual in Belize. The forecast indicates the usual number or slightly fewer wet days across the region (low confidence).

IMPLICATIONS:

- Frequent rainfall disruptions of outdoor activities (from Dec. in the Guianas).
- Surface wetness keeps environmental conditions more conducive to mosquito breeding and moisture related pests.
- Surface dryness possibly enhanced in the Guianas until the November.

Wet spells frequency shifts

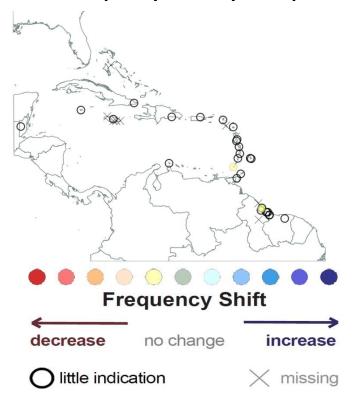
Forecast for: October to December 2018

Precipitation outlook

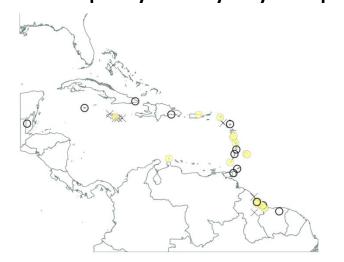




OND 2018 frequency of 7-day wet spells



OND 2018 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).

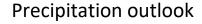
FORECAST: OND rainfall may be drier than usual in the Lesser Antilles, but wetter than usual in Belize. The forecast indicates the usual number or slightly fewer wet days, wet spells and very wet spells across the region (low confidence).

IMPLICATIONS:

- Recharge rates of large water reservoirs associated with the wet season potentially slightly slower than usual.
- Flood potential slightly reduced during peak season for long-term flooding in Belize and the islands.

Extreme wet spells frequency shifts

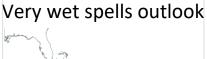
Forecast for: October to December 2018





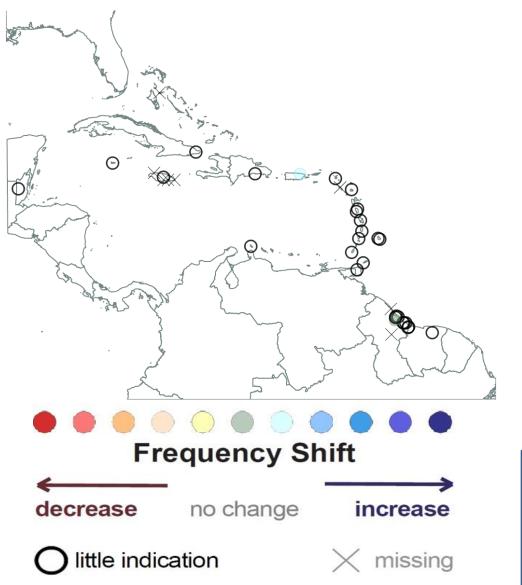








OND 2018 frequency of extreme (top 1%) 3-day wet spells



USUALLY: Up to 2 extreme wet spell occur from October to December (Guianas: up to 1).

FORECAST: : OND rainfall may be drier than usual in the Lesser Antilles, but wetter than usual in Belize. The forecast indicates the usual number or slightly fewer wet days, wet spells, very wet spells and extreme wet spells across the region (low confidence).

IMPLICATION:

Flash flood potential is a concern throughout the region, including the coastal Guianas from November onwards.