Rainfall frequency and extreme forecasts

Wet days and Wet spells Outlooks June to August 2018

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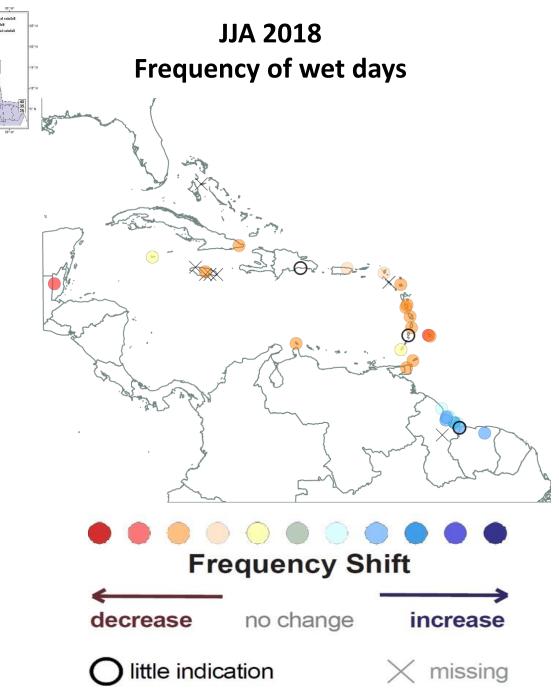




Wet day frequency shifts

Precipitation outlook

Forecast for: June to August 2018



USUALLY: Out of 92 days in June-July-August, there are about 30 to 45 wet days in relatively flat areas of Belize and the islands, but 50 to 65 in mountainous areas and in coastal Guianas (ABC Islands: 5-15).

FORECAST: JJA rainfall may be drier than usual with fewer wet days, except in the Guianas which are likely to be at least as wet as usual, with an increase in wet days (medium confidence).

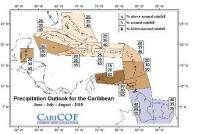
IMPLICATIONS:

- Surface wetness increasing slower than usual after the dry season in Belize and the islands.
- Less reliable rains for agriculture than usual in Belize and the islands.
- Increasing frequency of rainfall disruptions of outdoor activities.

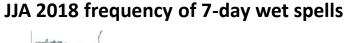
Wet spells frequency shifts

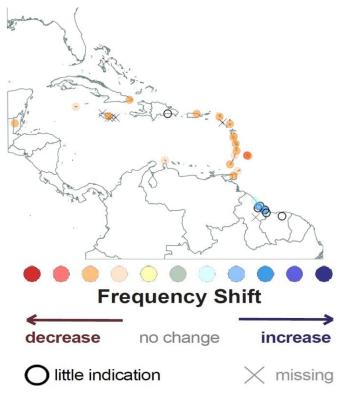
Forecast for: June to August 2018

Precipitation outlook

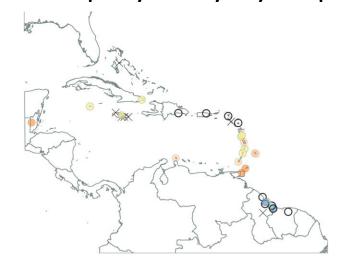








JJA 2018 frequency of 7-day very wet spells



USUALLY: 3 to 6 wet spells (ABC Islands: up to 3) occur from June to August, with 1 to 3 of them ending up very wet (ABC Islands: up to 2).

FORECAST: JJA rainfall may be drier than usual with fewer wet days, wet spells and very wet spells (medium confidence), except in the Guianas which are likely to be at least as wet as usual, with an increase in wet days, wet spells and very wet spells (low to medium confid.).

IMPLICATIONS:

- Recharge rates of large water reservoirs associated with the wet season potentially slower than usual.
- Flooding potential in the Guianas associated with many very wet spells.

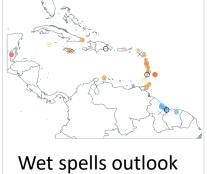
Extreme wet spells frequency shifts

Forecast for: June to August 2018









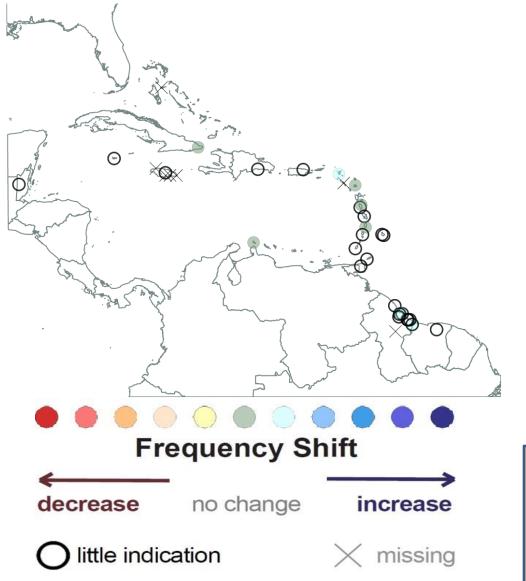
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Very wet spells outlook



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



USUALLY: Up to 1 extreme wet spell occur between June to August (ABC Islands: up to 1).

FORECAST: JJA rainfall may be drier than usual with fewer wet days, wet spells and very wet spells (medium confidence), except in the Guianas which are likely to be at least as wet as usual, with an increase in wet days, wet spells and very wet spells (low to medium confid.).

By contrast, no substantial shift in extreme wet spells is forecast (low confid.).

IMPLICATION: Flash flood potential is becoming a concern across the region.



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