

Heat Outlook for September 2021 to February 2022

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Frequent excessive heat in October in the Guianas and the southeastern Caribbean Islands

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How hot will the next three to six months be?

Night time

Day time

FORECAST:

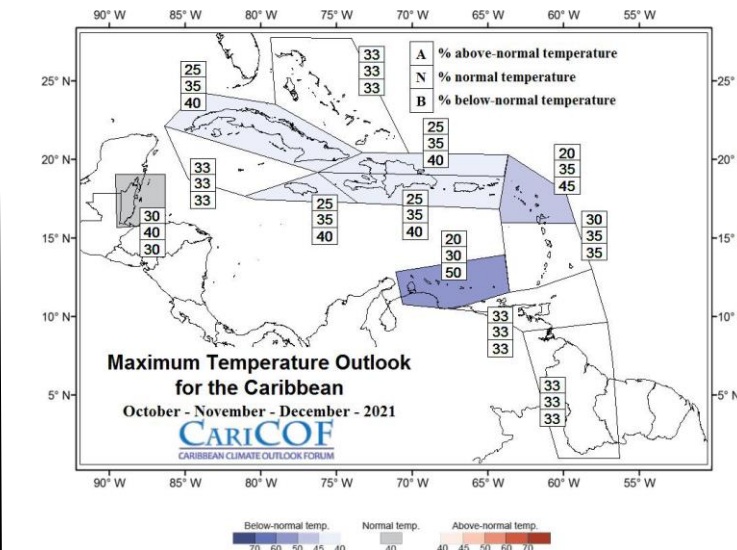
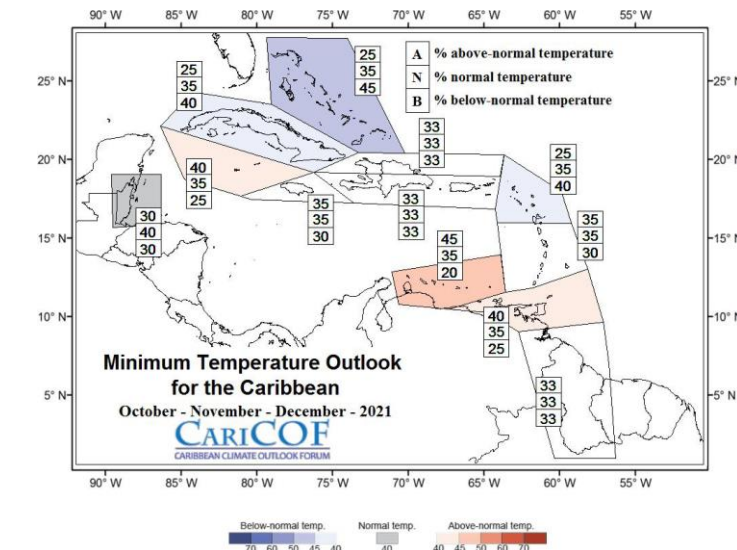
1. Temperatures are expected to hover around the usual as the region transitions out of the 2021 Heat Season (April/May to October) and into to the cool season (December to March).
2. Cold nights may be more frequent than usual from January, with the likely exception of islands south of Guadeloupe.

IMPLICATIONS:

- Recurrent heat stress in the vulnerable population & small livestock through October in the ABC Is. and the Lesser Antilles and from mid-November in the Guianas.
- High temperatures and humidity increase cooling need until October.

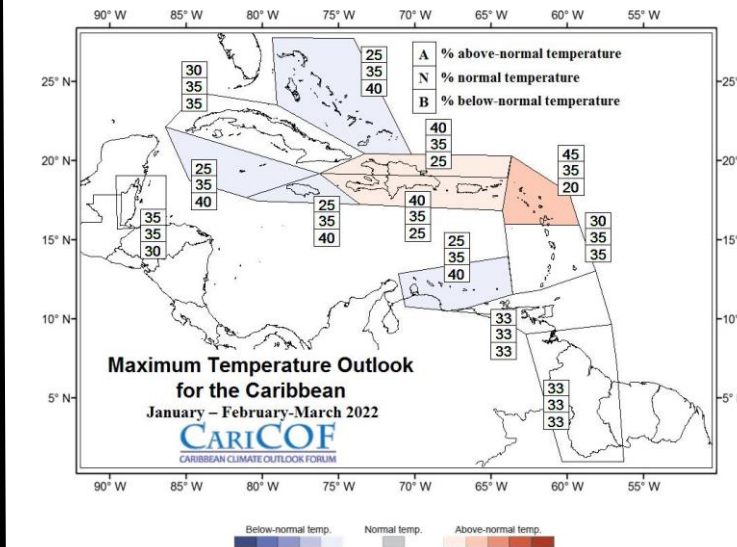
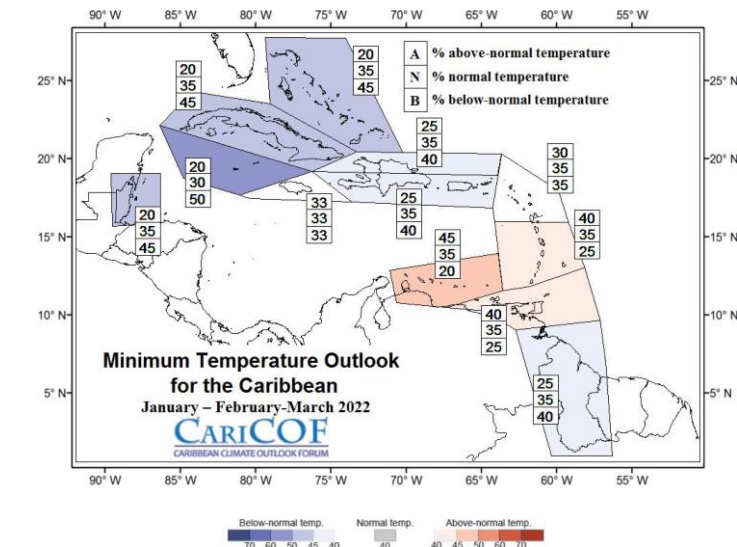
Oct-Nov-Dec 2021

Jan-Feb-Mar 2022

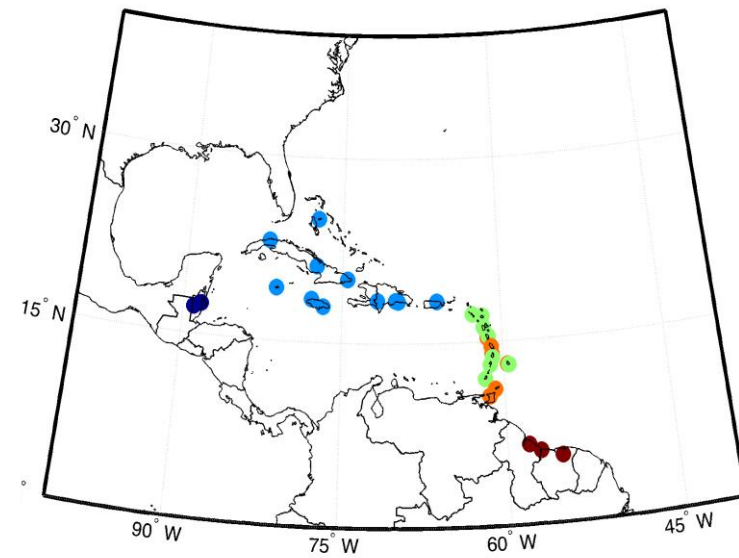
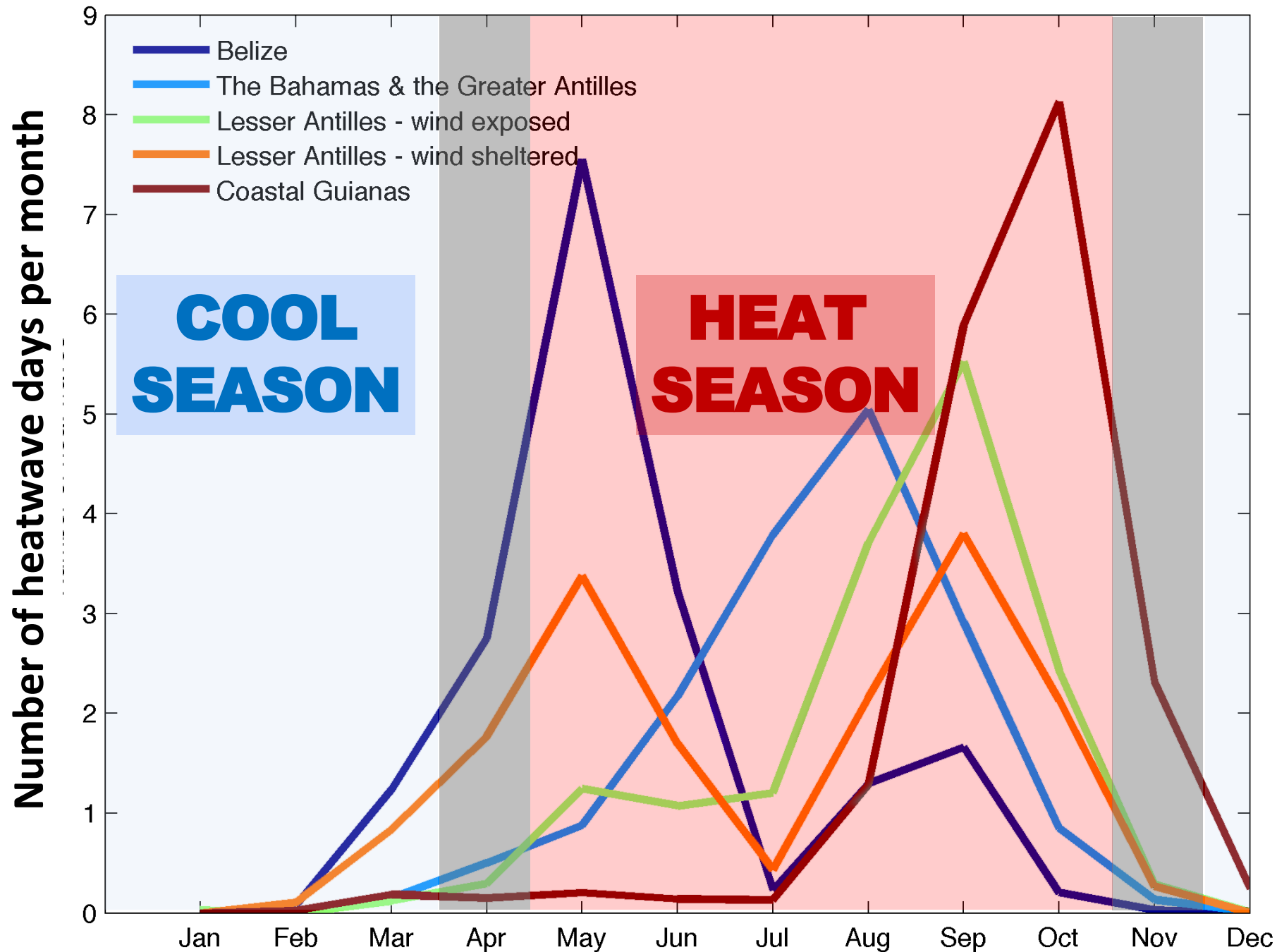


← Milder Usual Hotter →

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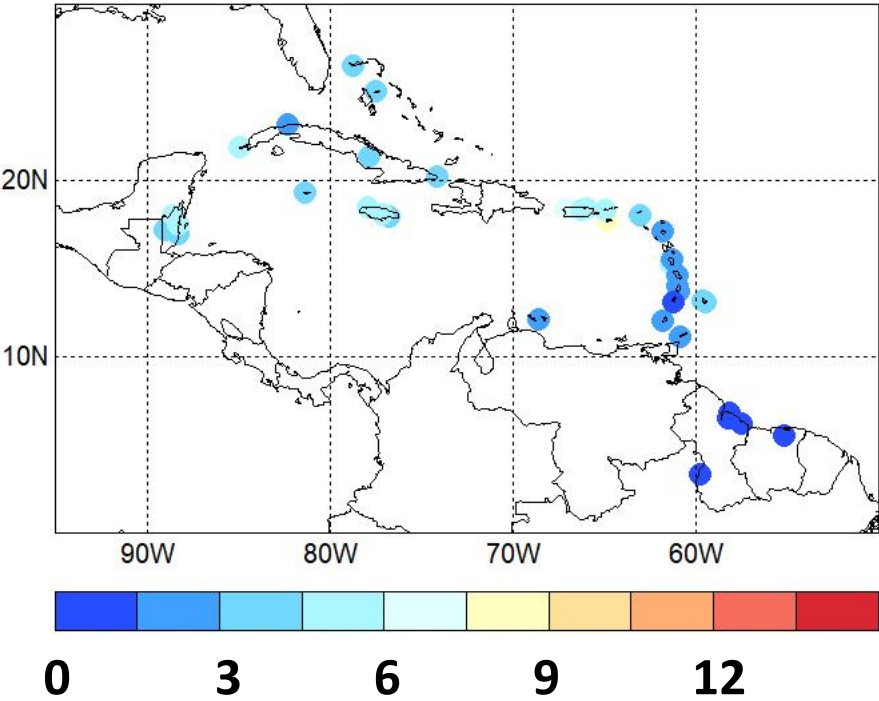


The Caribbean Heat Season: April/May to October

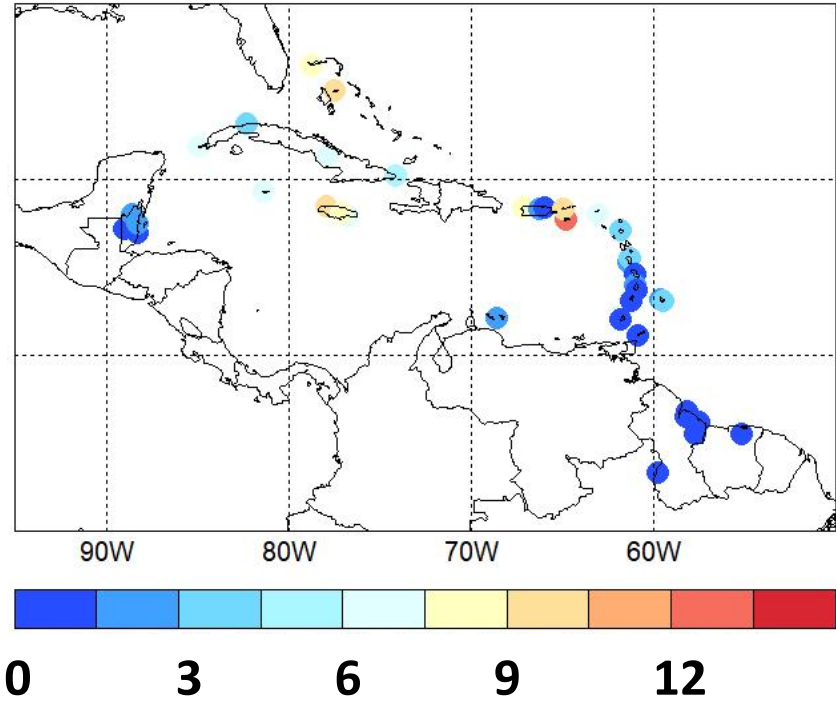


How many heatwave days on average per month?

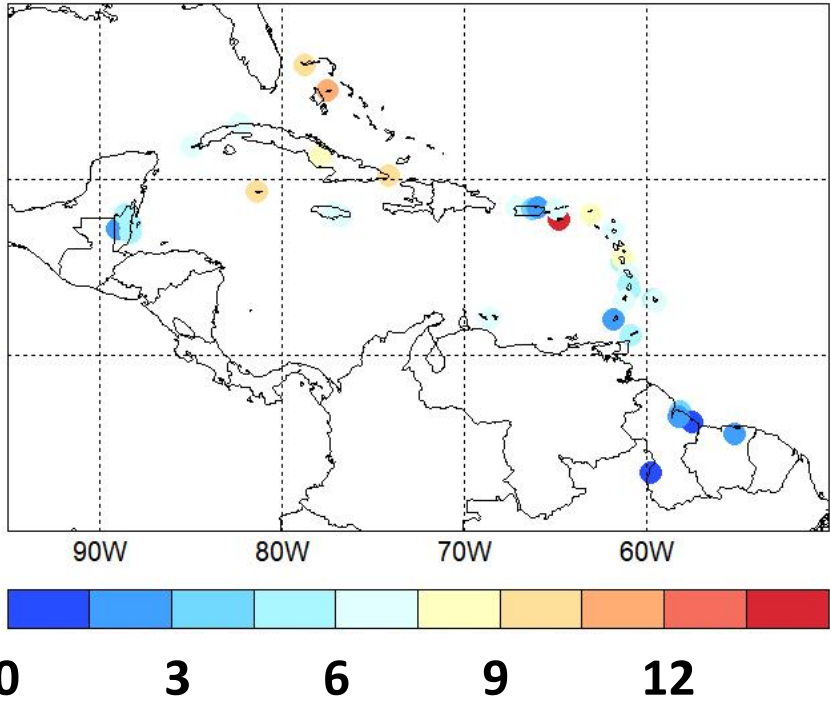
Heatwave days in June (1991-2020 avg.)



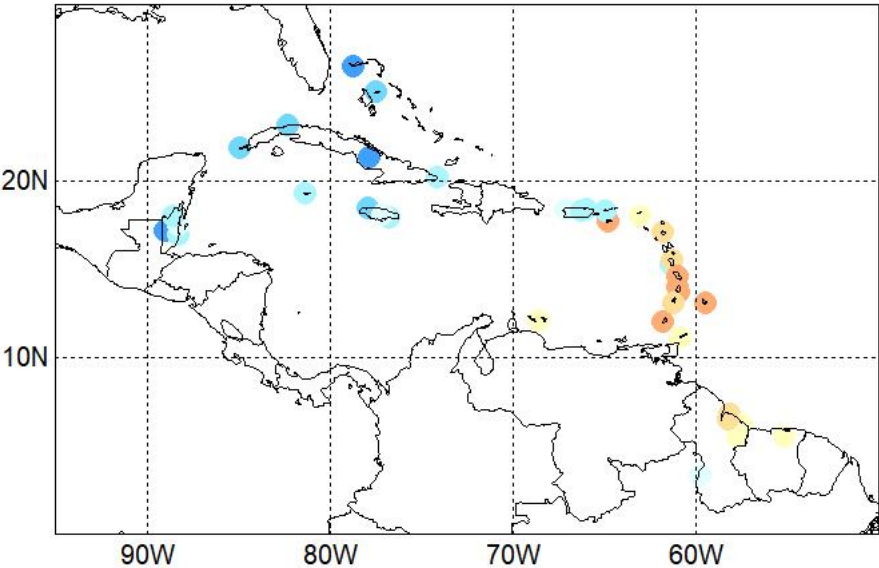
Heatwave days in July (1991-2020 avg.)



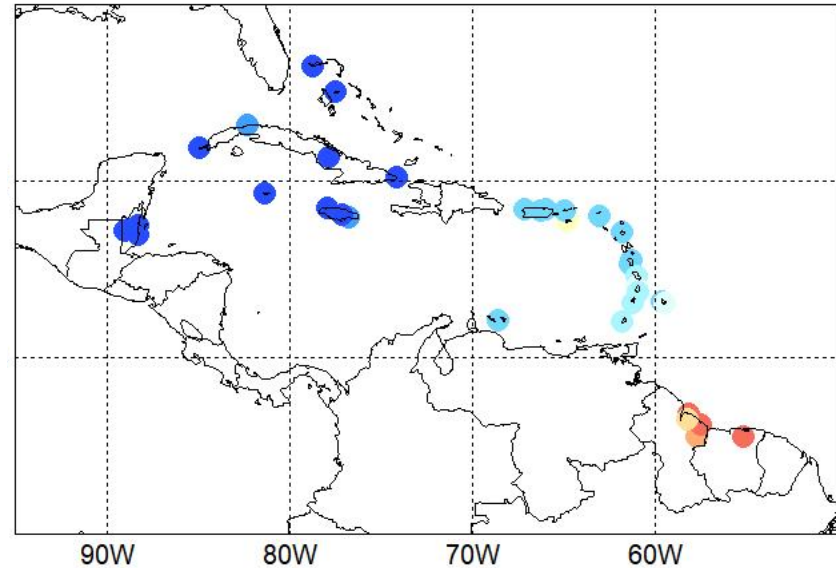
Heatwaves in August (1991-2020 avg.)



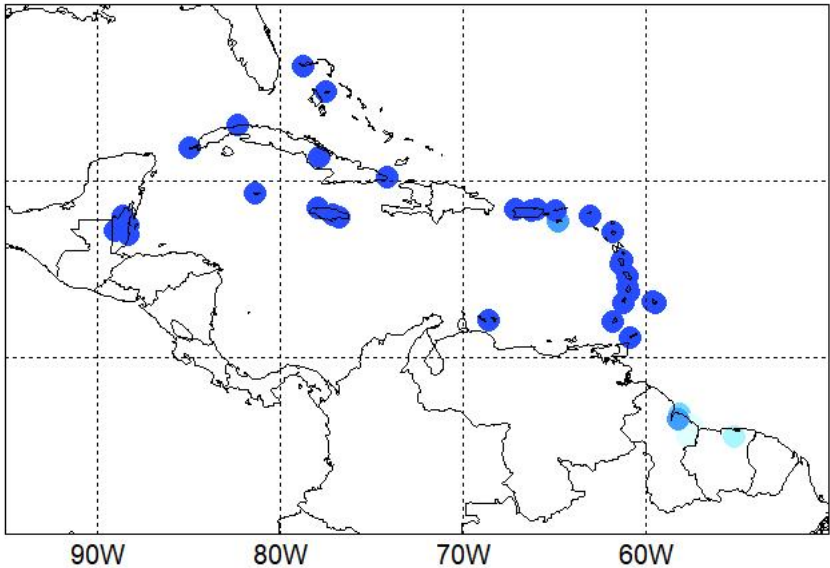
Heatwaves in September (1991-2020 avg.)



Heatwaves in October (1991-2020 avg.)

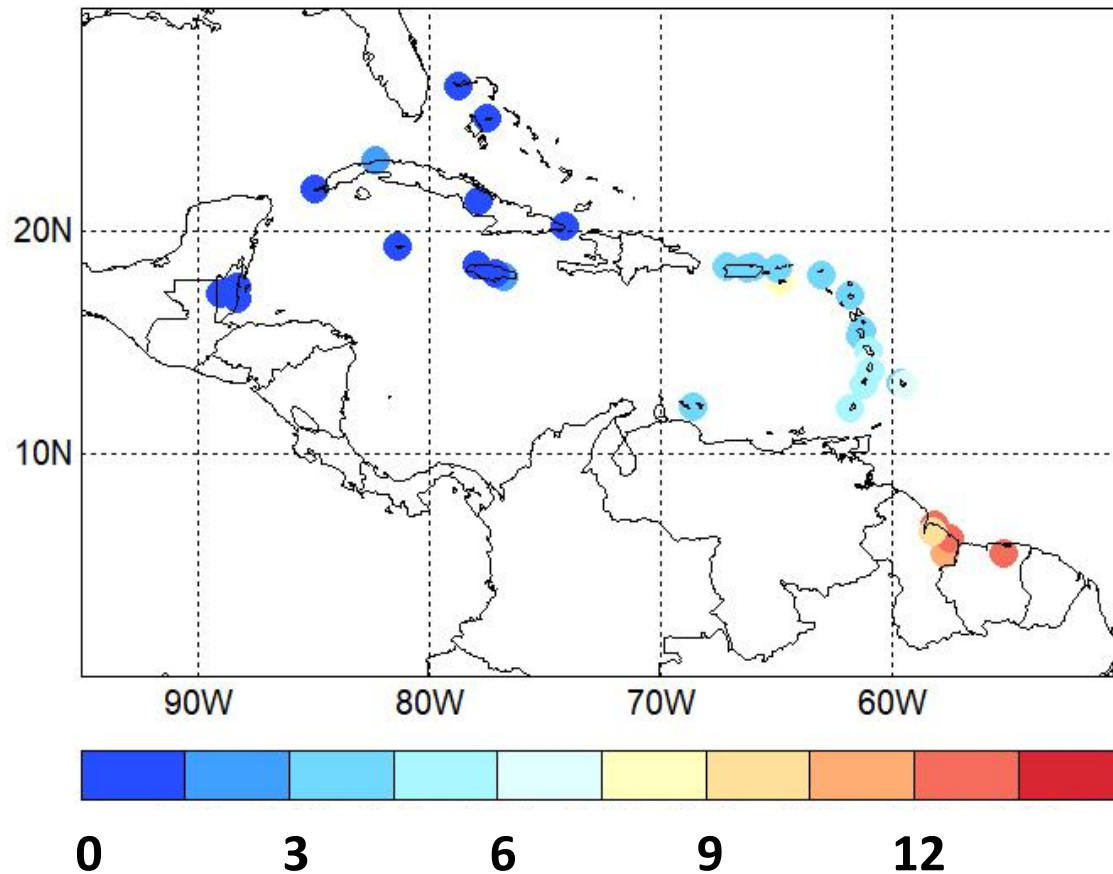


Heatwaves in November (1991-2020 avg.)



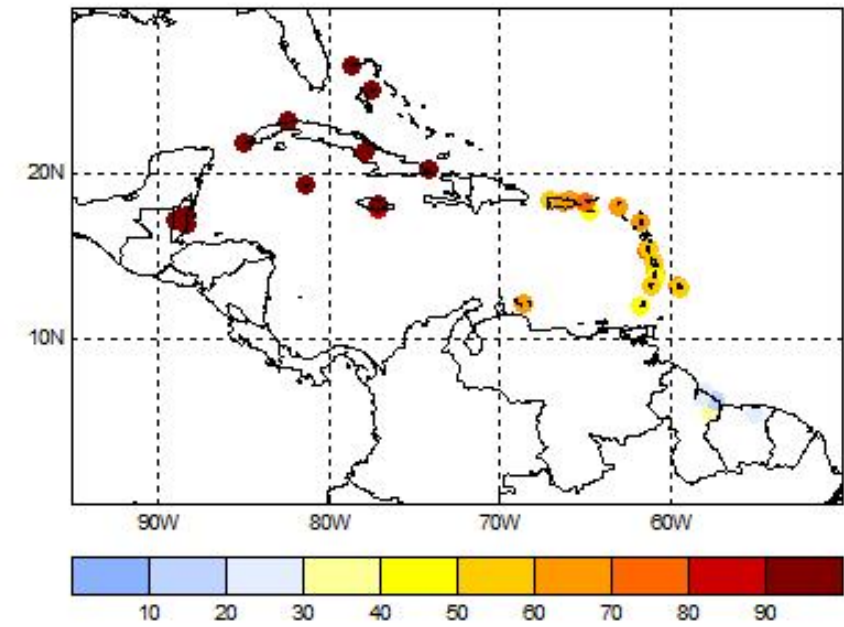
How many heatwave days to expect in **October 2021**?

Heatwaves in October (1991-2020 avg.)

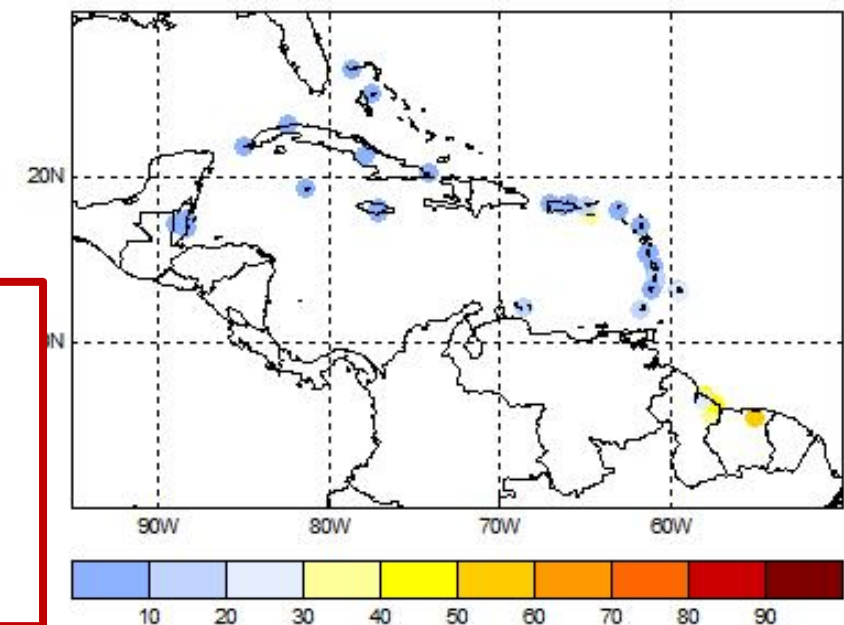


USUALLY: 3-7 heatwave days in October in the islands east- and southwards of Puerto Rico, 9-15 heatwave days in the Guianas, but fewer than 3 elsewhere.
FORECAST: 5-15 heatwave days are forecast for October 2021 in the Guianas, up to around 7 heatwave days in Barbados, St. Croix and in the Windward Islands. Other areas are likely to observe fewer than 5.

Prob. no more than 5 heatwave days in Oct. 2021



Prob. at least 15 heatwave days in Oct. 2021



How many heatwave days from August till October 2021?

USUALLY:

- 1) In most years, there are 3-7 heatwave days in October in the islands east- and southwards of Puerto Rico, 9-15 heatwave days in the Guianas, but fewer than 3 elsewhere.

FORECAST:

- The number of heatwave days during the last month of the 2021 heat season (October) is expected to be average or fewer.
- Note that areas with more abundant rainfall than usual will see daytime temperatures and the frequency of heatwaves tempered.

IMPLICATIONS:

- In the event of heatwaves, of which up to 3 can occur in October in the Lesser Antilles and up to 5 in the Guianas (especially during dry spells), heat stress in human populations or livestock will sharply increase.
- Beyond October, heat stress should rapidly subside.



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