

Heat Outlook for July to December 2020

— Frequent excessive heat from August to October

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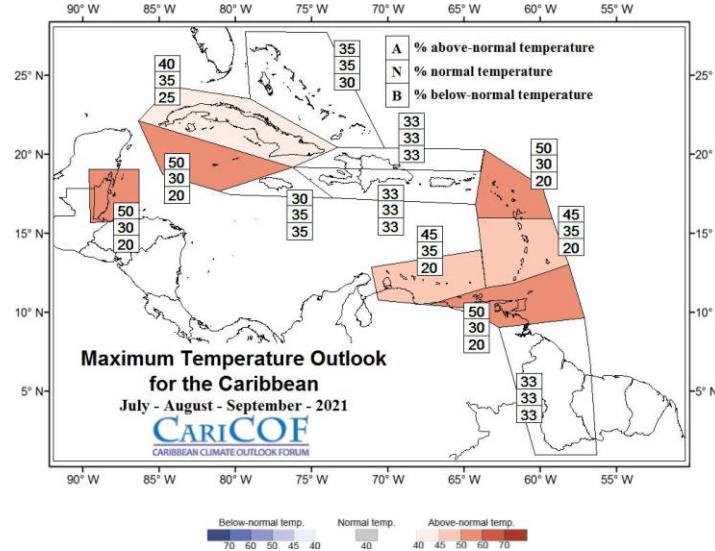
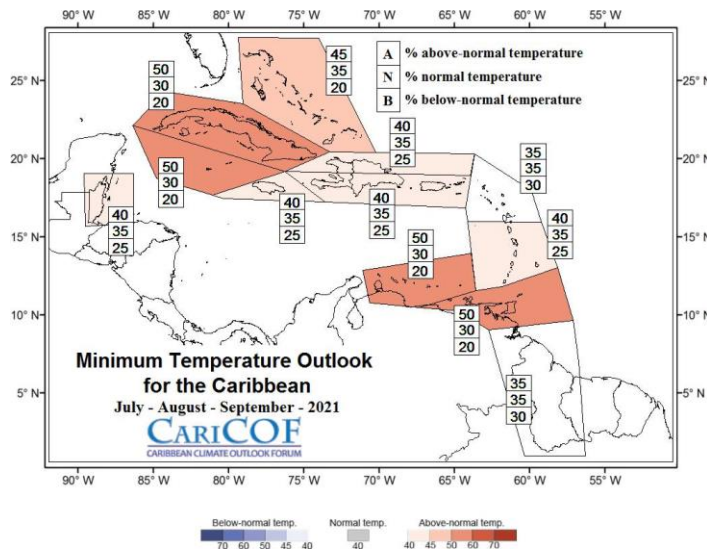
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How hot will the next three to six months be?

Night time

Day time



Milder

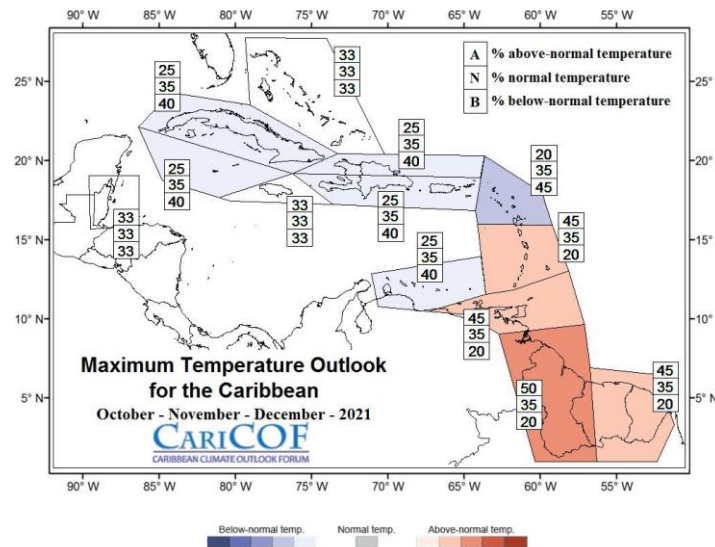
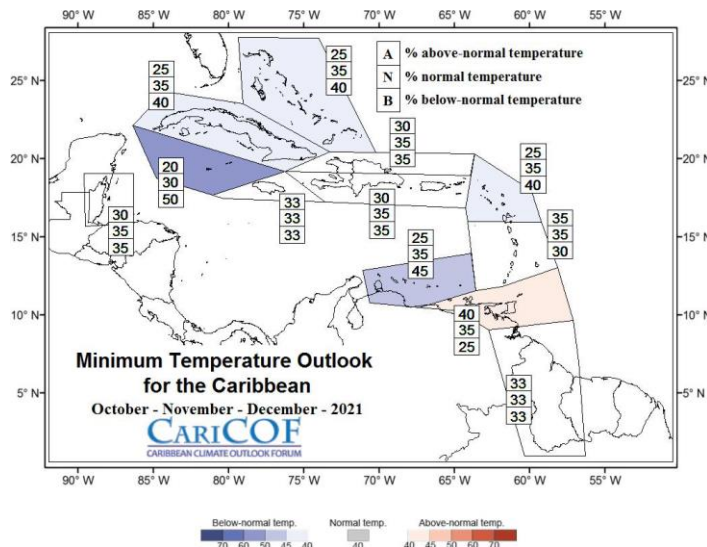
Usual

Hotter

Milder

Usual

Hotter



FORECAST:

1. Overall, at least as warm as usual in most areas between July and September 2021.
2. At least as warm as usual daytime conditions expected from Oct. to Dec. in Barbados, the Guianas, Trinidad and Tobago, and the Windward Is.

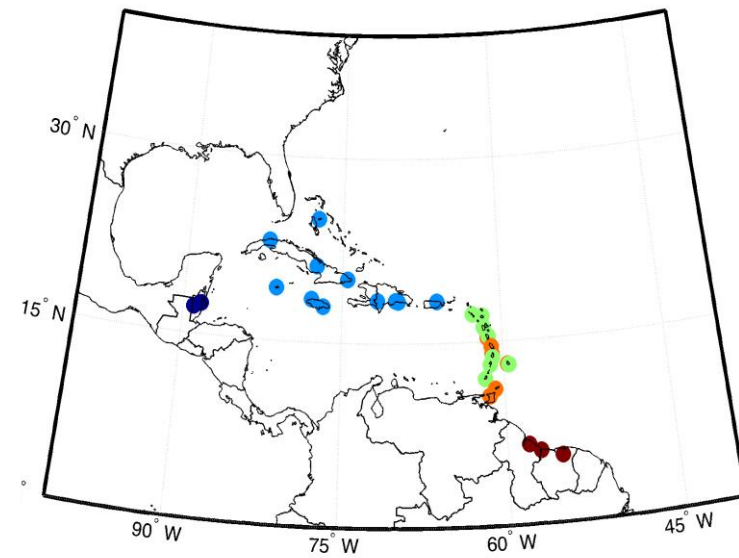
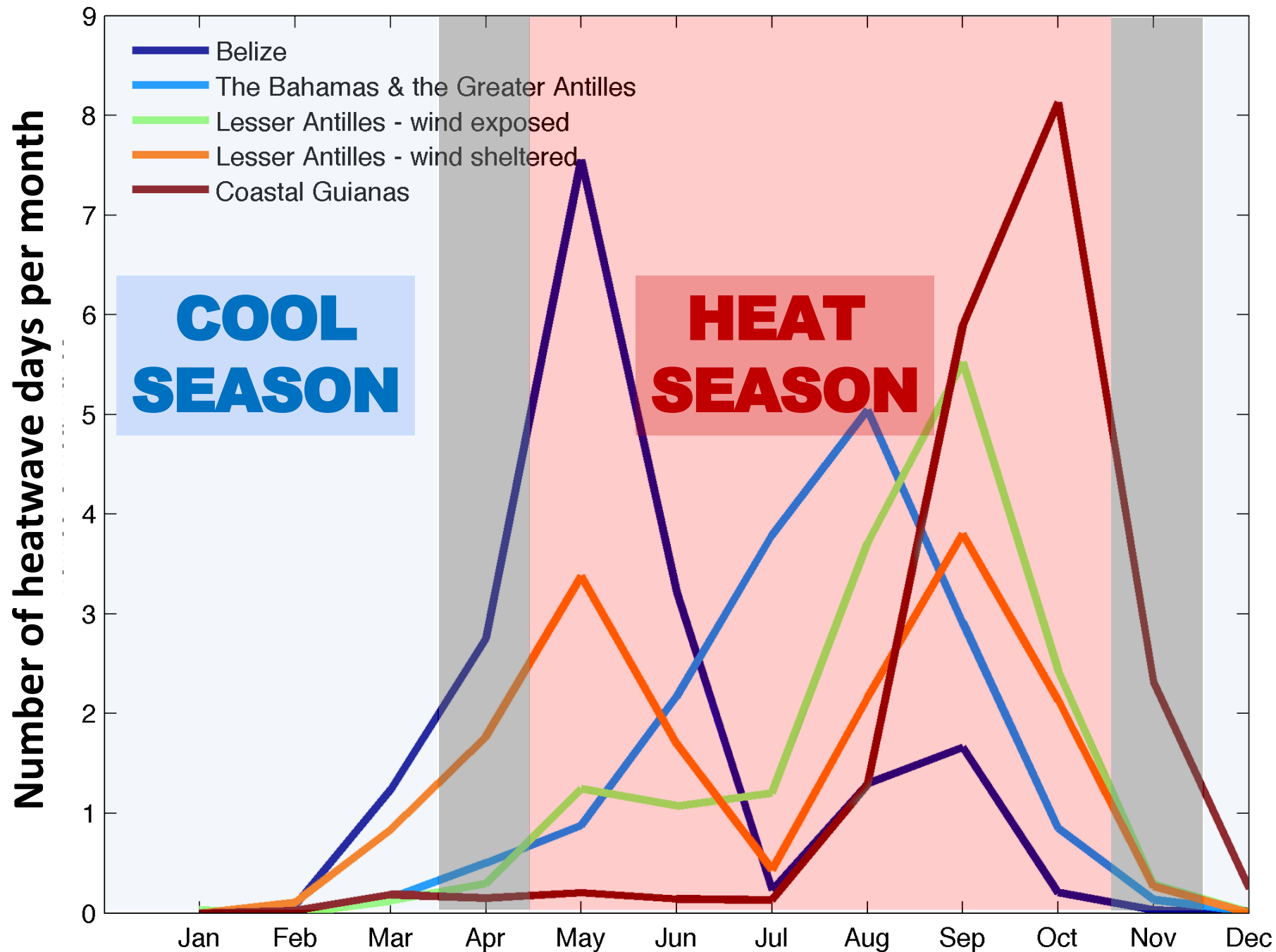
IMPLICATIONS:

- Heat stress in the vulnerable population & small livestock through September (Bahamas and Greater Antilles), October (ABC Is., Guianas, and Lesser Antilles).
- Higher than usual temperatures combined with high humidity means higher cooling need until October, particularly at night, but also during the day in most places.

Jul-Aug-Sep 2021

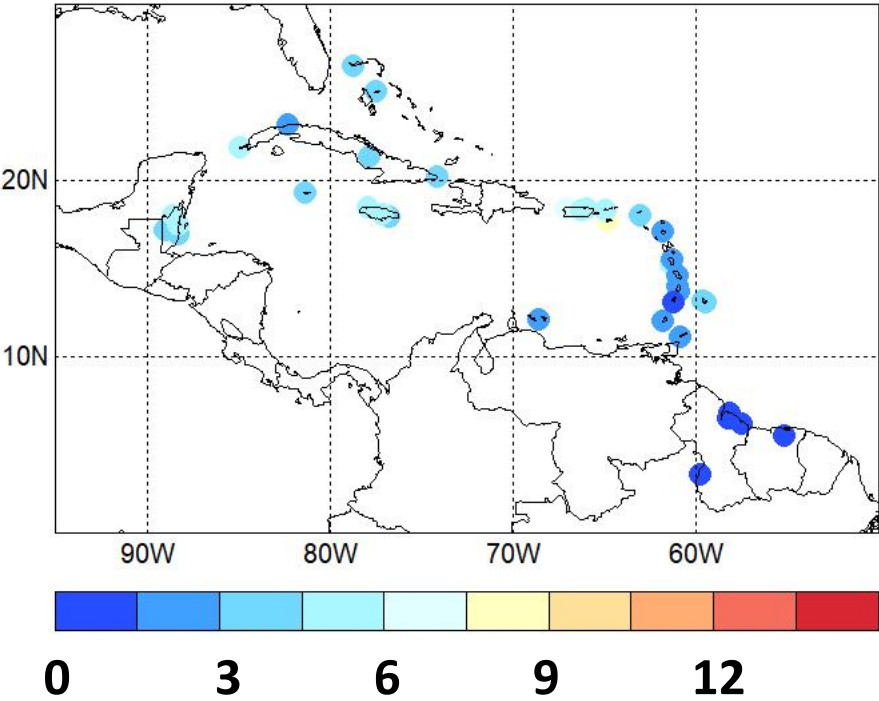
Oct-Nov-Dec 2021

The Caribbean Heat Season: April/May to October

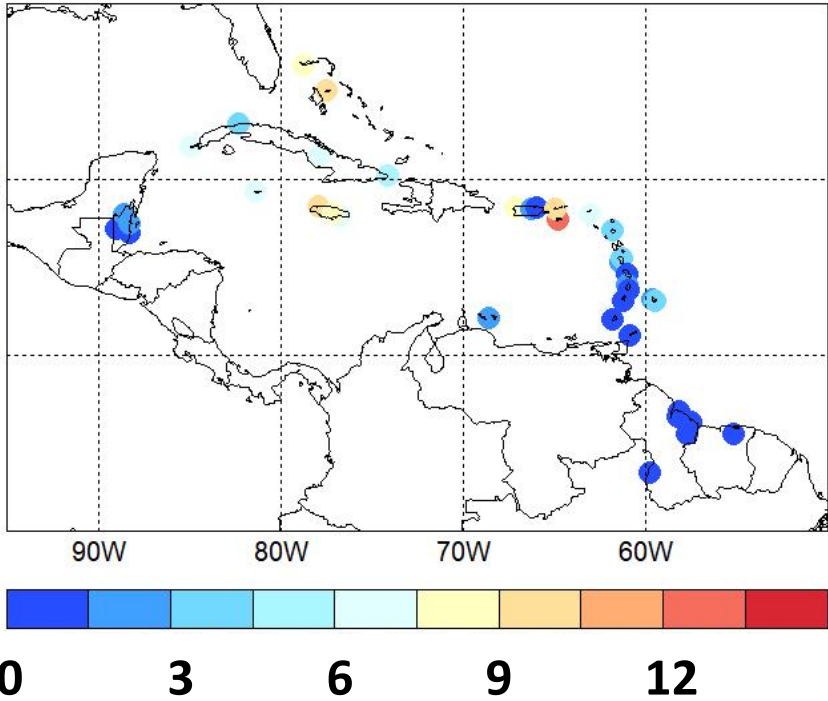


How many heatwave days on average per month?

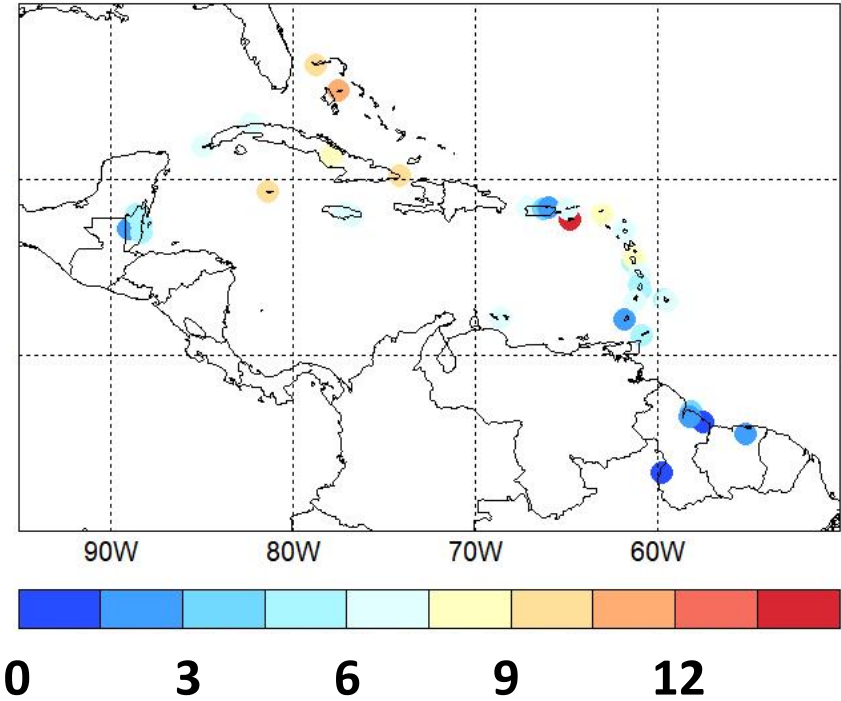
Heatwave days in June (1991-2020 avg.)



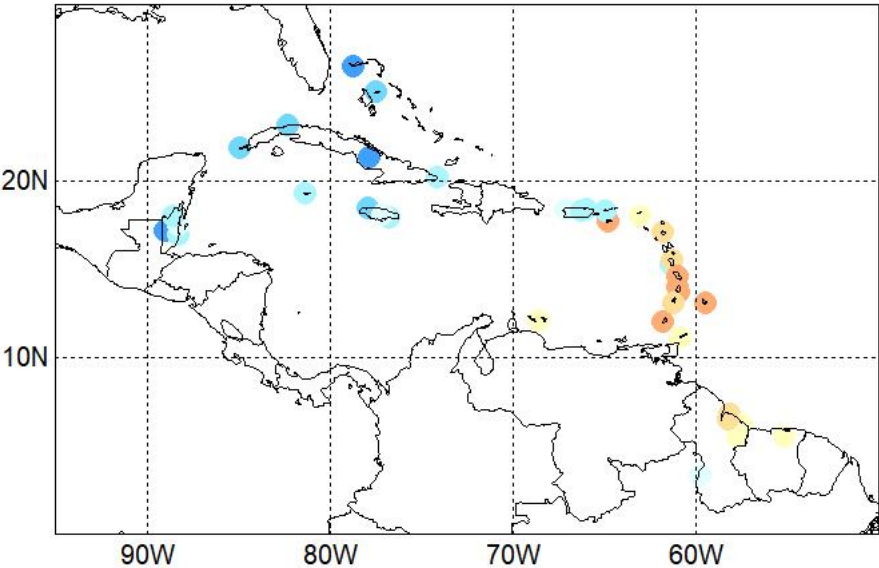
Heatwave days in July (1991-2020 avg.)



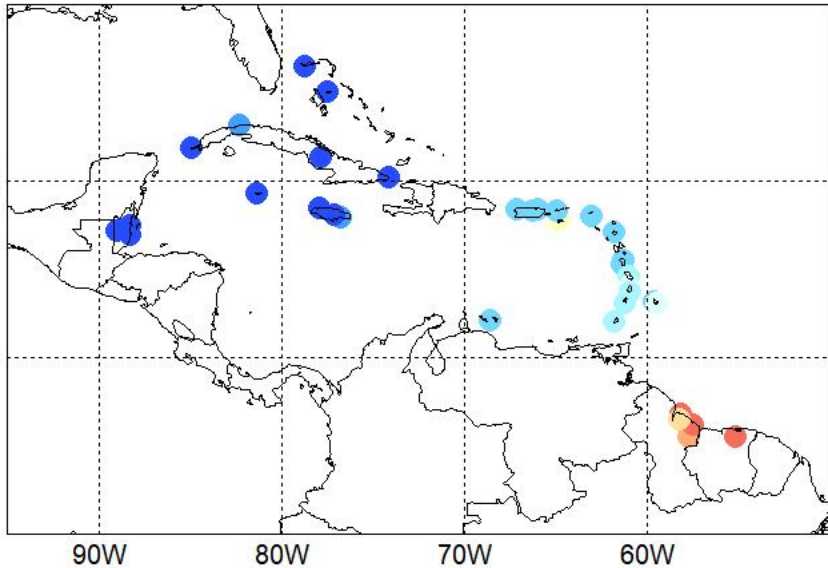
Heatwaves in August (1991-2020 avg.)



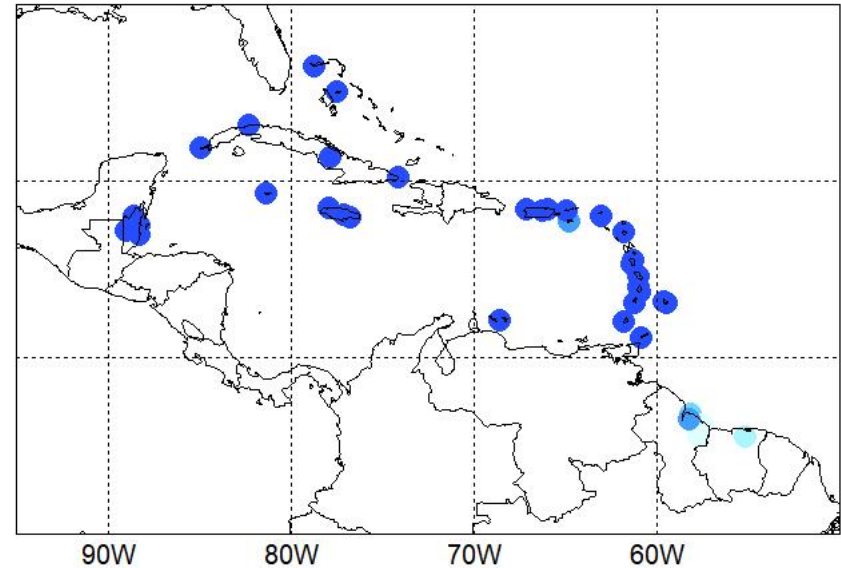
Heatwaves in September (1991-2020 avg.)



Heatwaves in October (1991-2020 avg.)

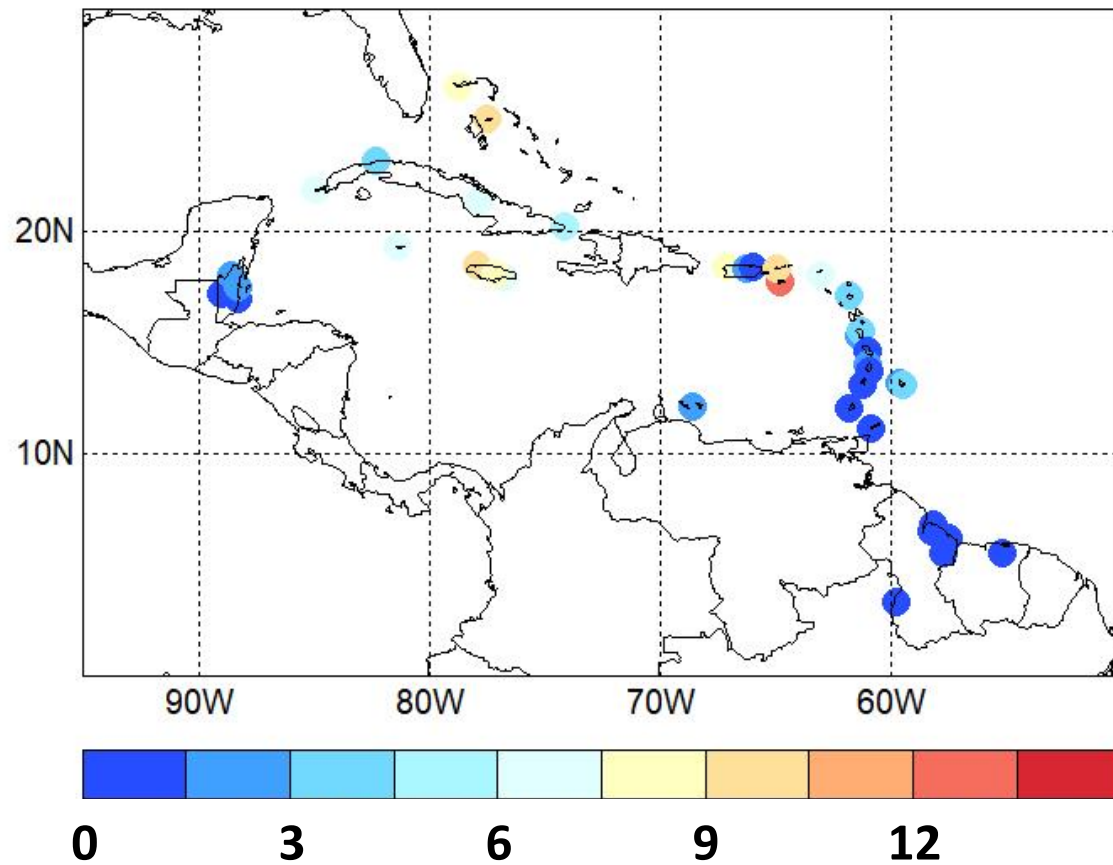


Heatwaves in November (1991-2020 avg.)

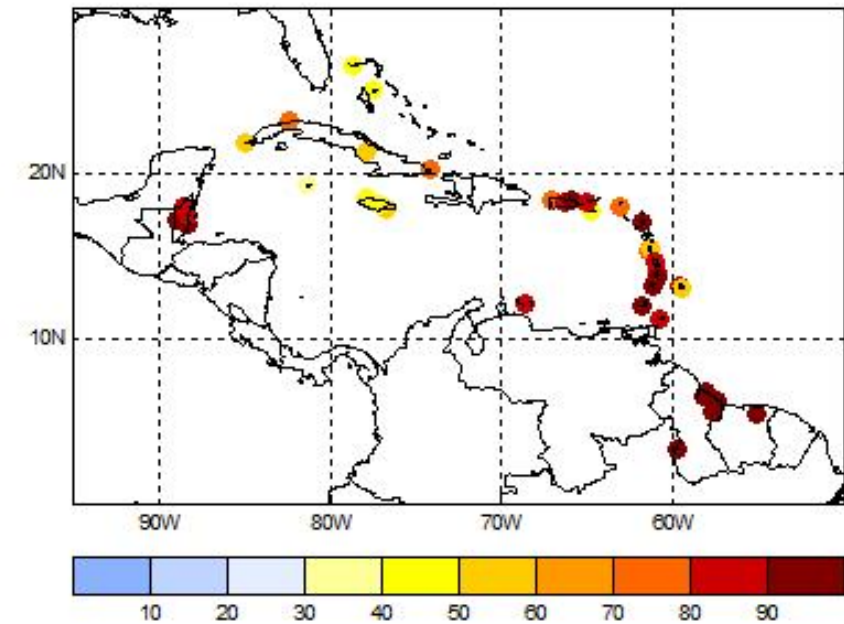


How many heatwave days to expect in July 2021?

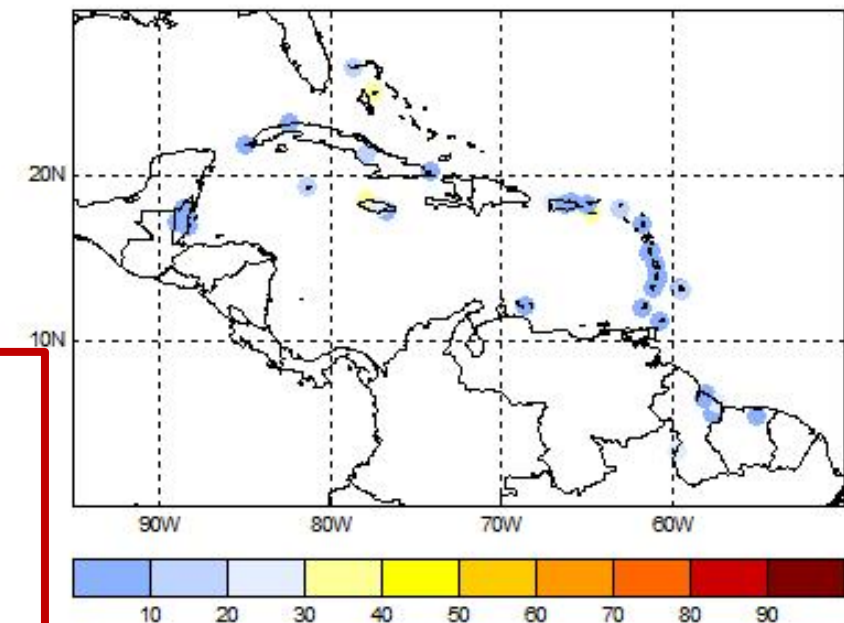
Heatwave days in July (1991-2020 avg.)



Prob. no more than 5 heatwave days in July 2021

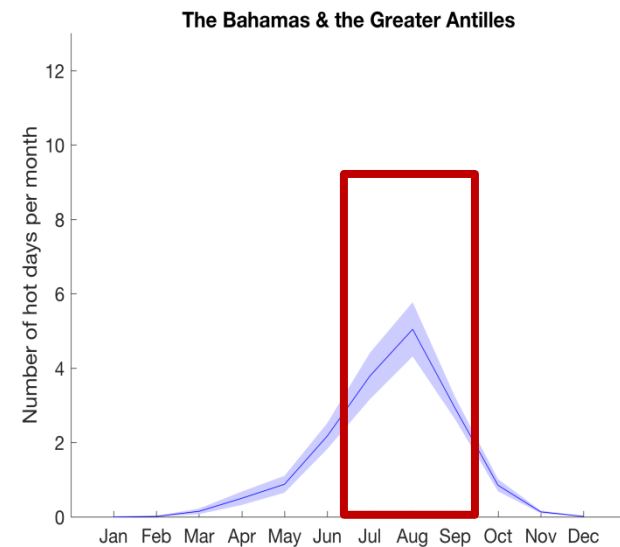


Prob. at least 15 heatwave days in July 2021

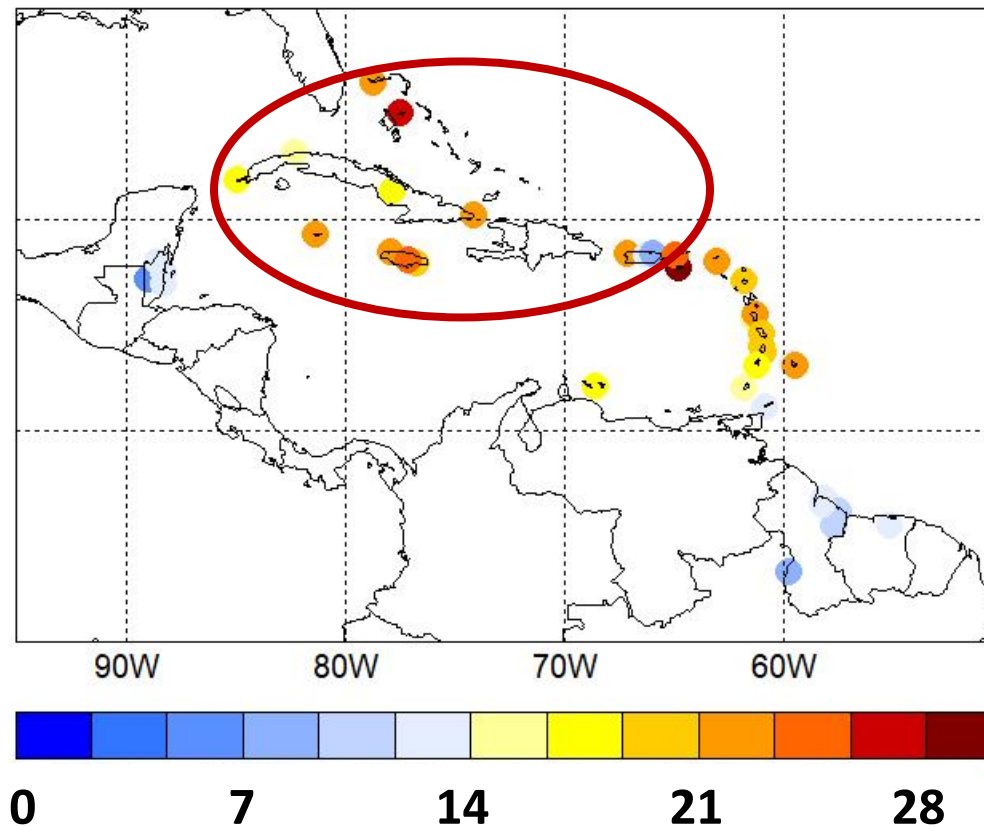


USUALLY: 6-12 heatwave days in the islands north of Martinique.
FORECAST: Except in the Bahamas, Barbados, Dominica, Cayman Is., parts of Cuba, Jamaica and Sint Maarten, where up to 15 heatwave days are possible, no more than 5 heatwave days are

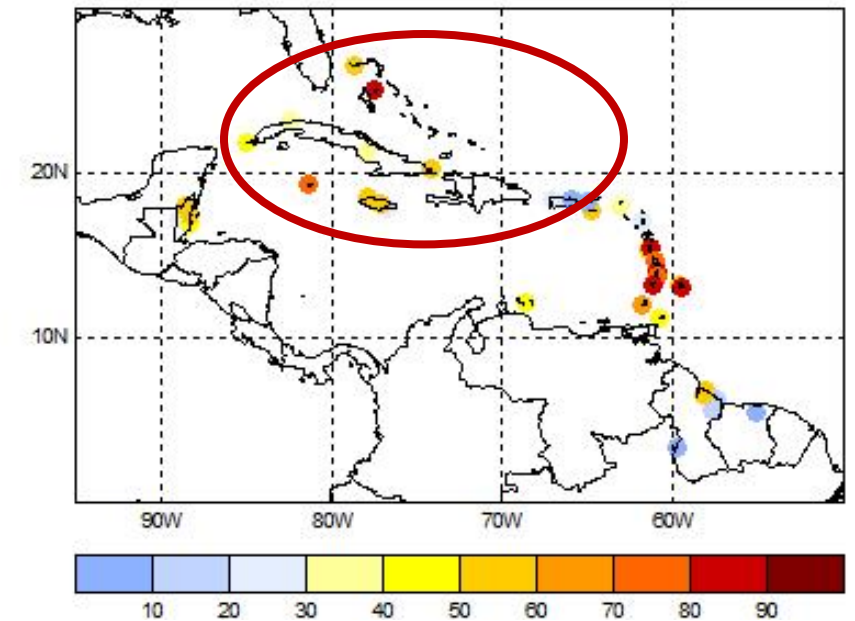
What do we expect for July to September 2021, i.e. the peak of the heat season in The Bahamas and the Greater Antilles?



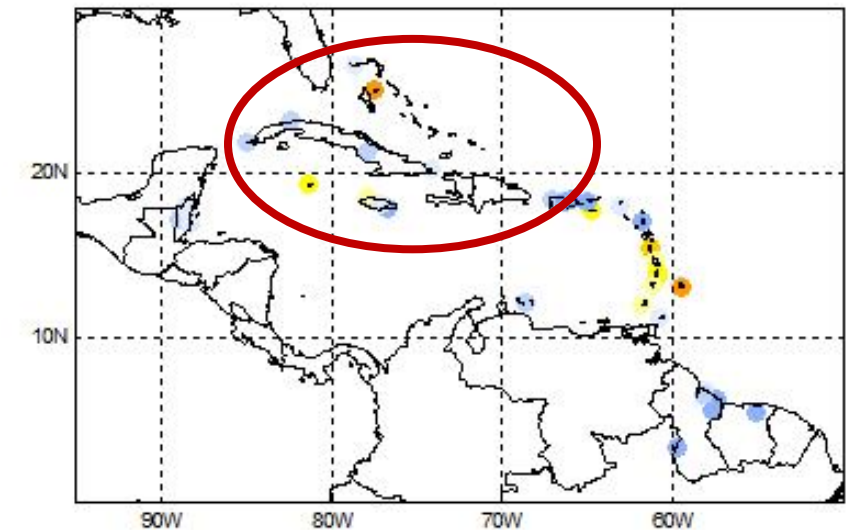
Heatwave days from Jul. to Sep. (1991-2020 avg.)



Prob. at least 15 heatwave days between Jul & Sep 2021



Prob. at least 30 heatwave days between Jul & Sep 2021



USUALLY: around 15-25 heatwave days over 3 months.

FORECAST: Over 50% chance for at least 15 heatwave days, except in Belize and the Guianas. 30 heatwave days or more are likely in the Bahamas and Barbados.

How many heatwave days from July till September 2021?

USUALLY:

- 1) In most years, 15-25 heatwave days occur from July to September across the Caribbean islands, but fewer than 15 occur in Belize and the Guianas.
- 2) There are between 6 and 12 heatwave days on average in July in the islands north and west of Martinique, but fewer than 6 in most other locations.

FORECAST:

- The number of heatwave days during the peak of the 2021 heat season in the Bahamas and the Lesser Antilles (July to September) is expected to be close to the usual.
- 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 more than 5 can occur (especially during dry spells), heat stress in human populations or livestock will sharply increase.
- While episodes of heat stress are expected in the Caribbean Islands, particularly in August and September, it should be less severe than during the hottest years (e.g. 2020).



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