

Heat Outlook for May to October 2021

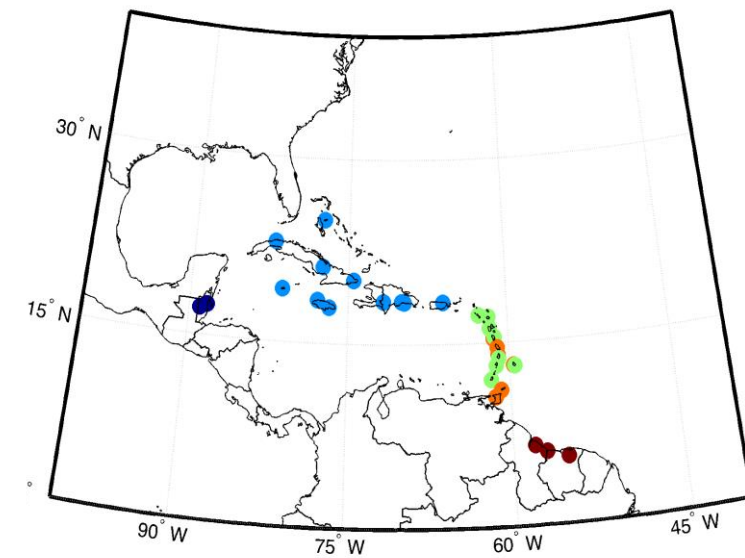
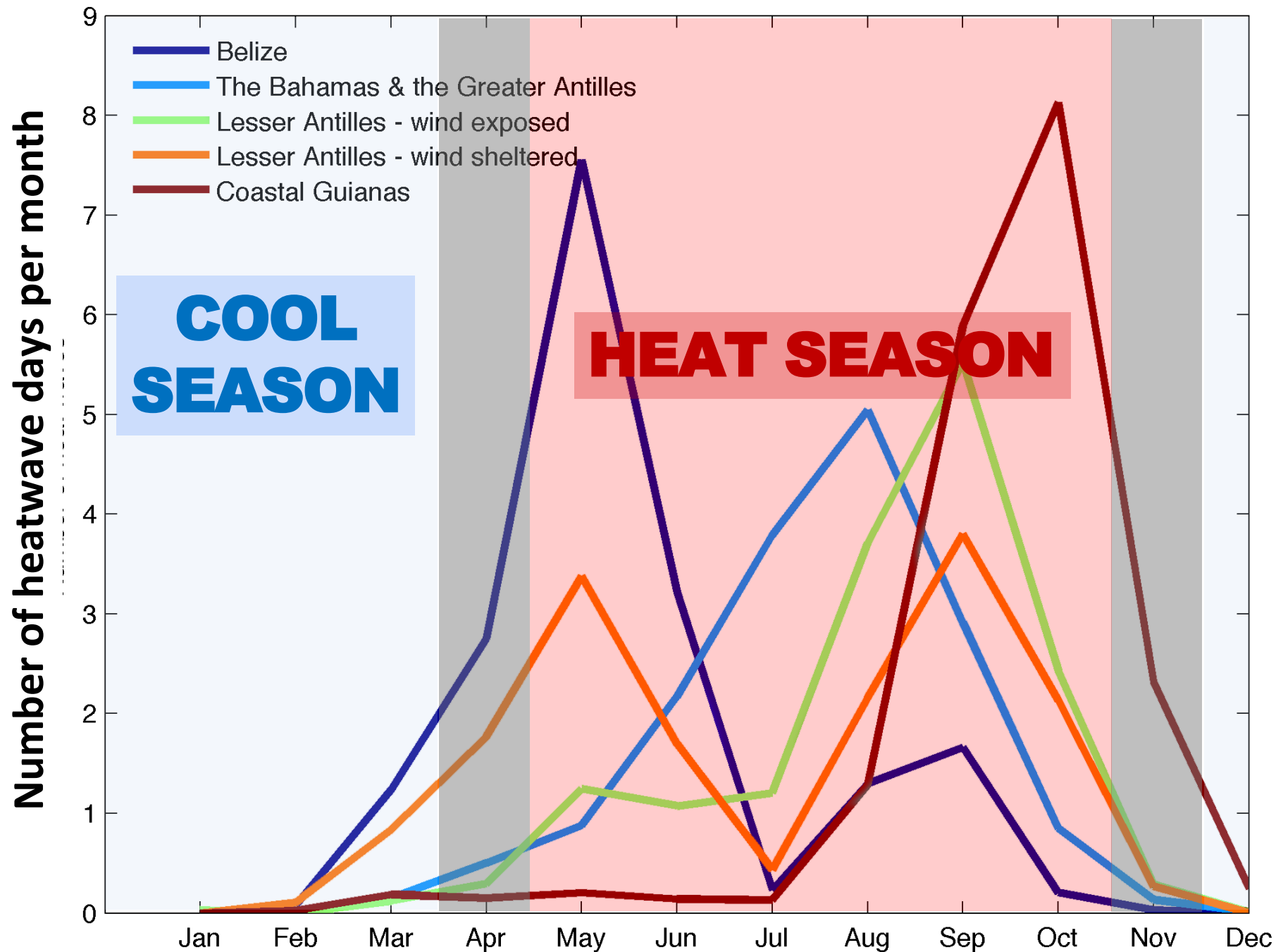
— Excessive heat at times, especially in August and September

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The Caribbean Heat Season: May to October



How hot will the next three to six months be?

Night time

Day time

FORECAST:

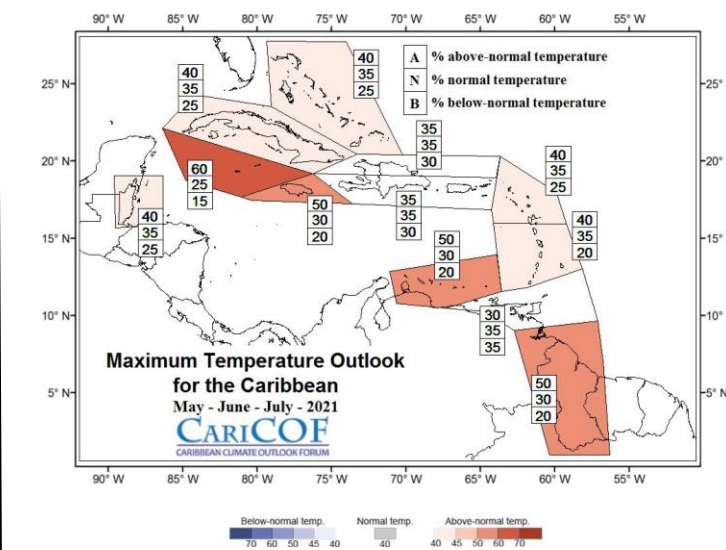
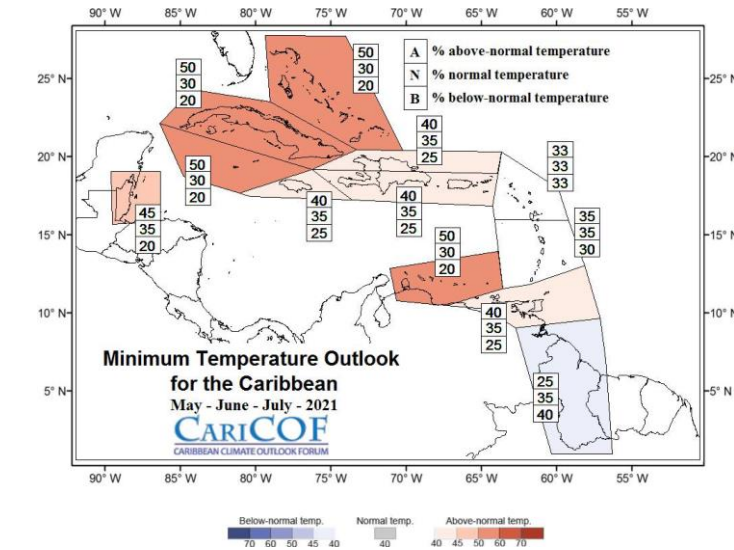
1. The usual or higher night- and daytime temperatures in the ABC Islands, and the western and northern Caribbean over the period May to July.
2. Intense night-time heat is expected throughout Belize and most of the Islands from August to October. Daytime temperatures may be even higher than usual in Belize, Cayman Is., Jamaica, and from Dominica southwards.

IMPLICATIONS:

- Significant heat stress in the vulnerable population & small livestock because of high temperature and increasing humidity from May through October, increasing cooling need.

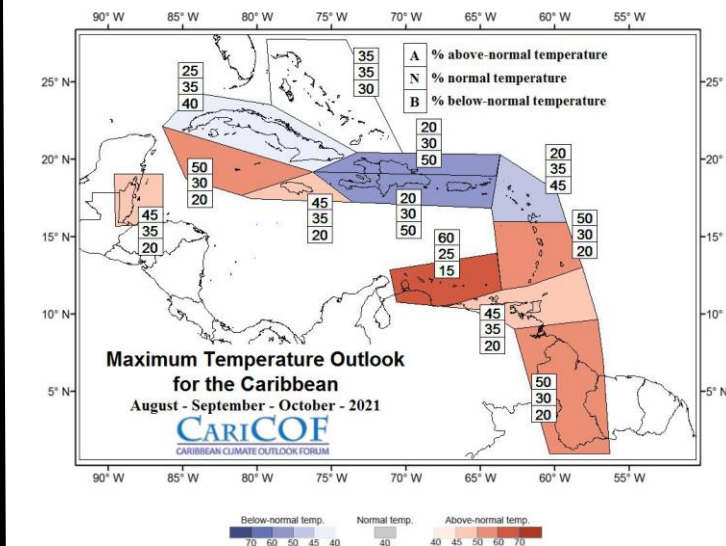
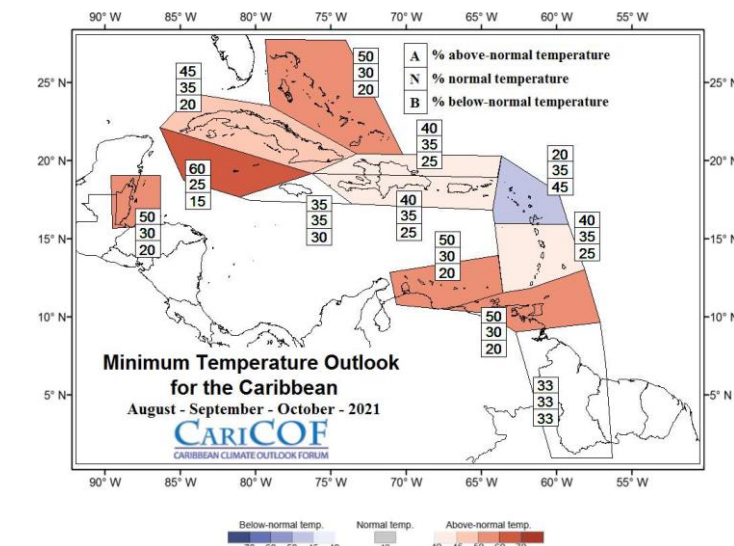
May-Jun-Jul 2021

Aug-Sep-Oct 2021

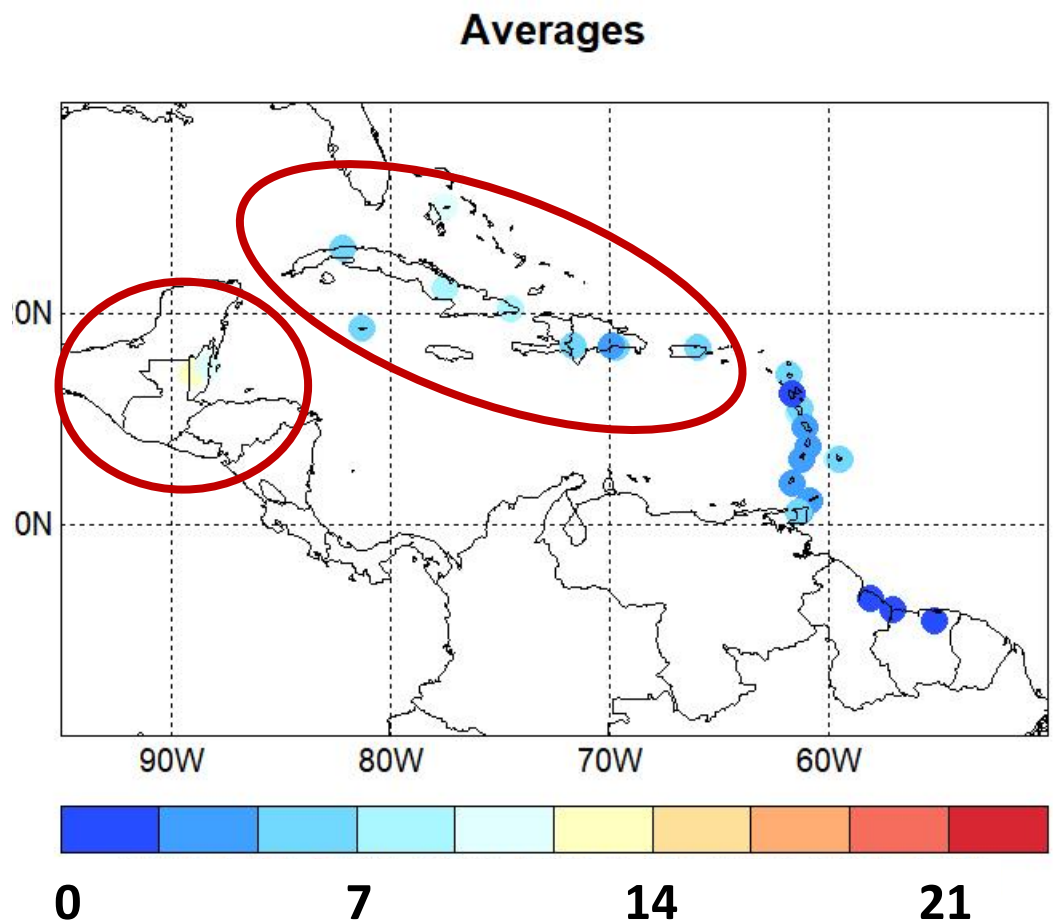
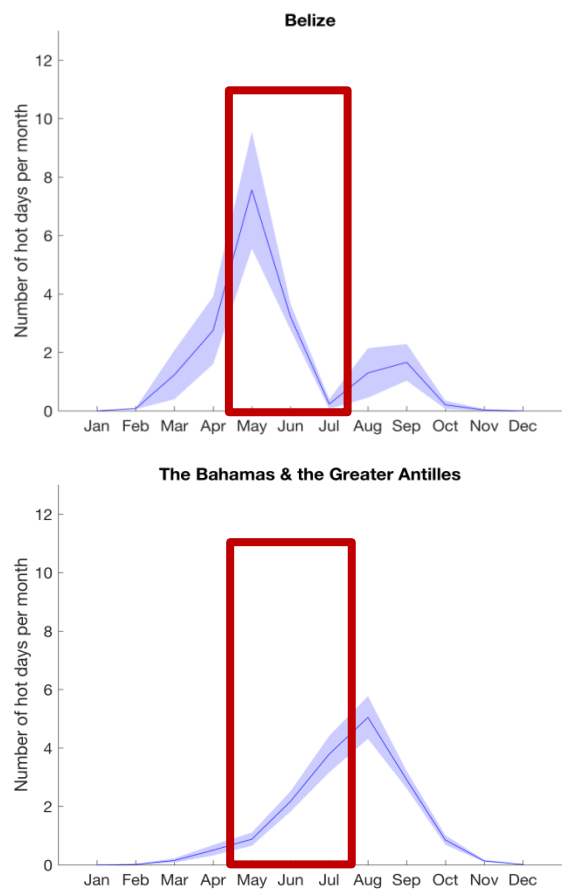


← Milder Usual Hotter →

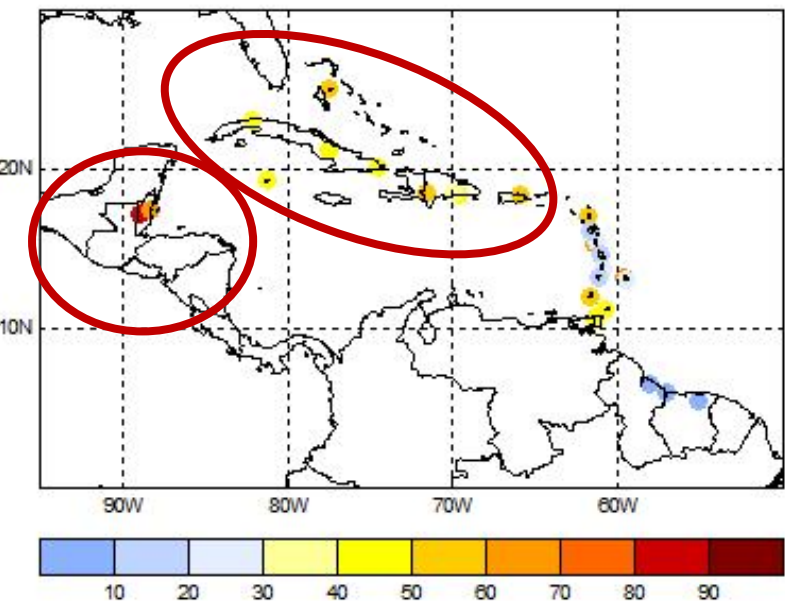
← Milder Usual Hotter →



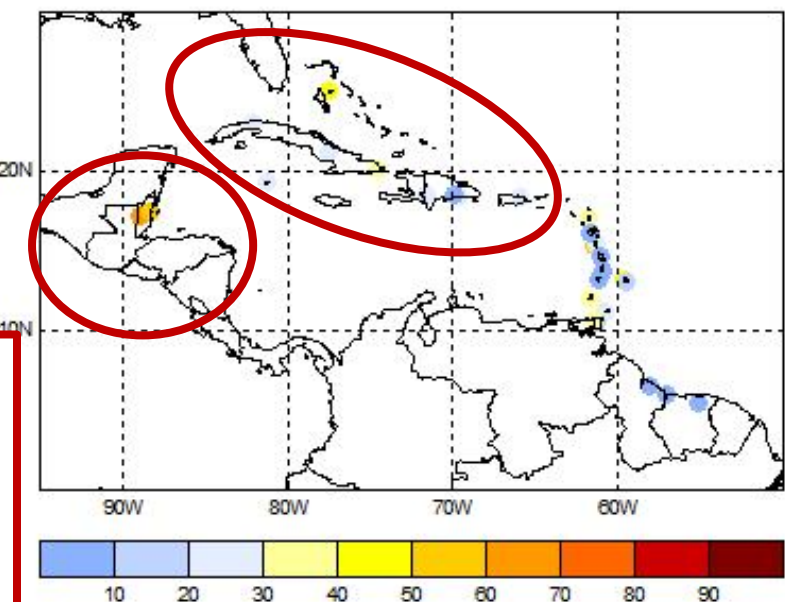
What does the early Heat Season look like, i.e. May to July?



Prob. at least 7 heatwave days between May & Jul 2021



Prob. at least 14 heatwave days between May & Jul 2021



USUALLY: 7 to 14 heatwave days over 3 months in The Bahamas, Belize and the Greater Antilles.

FORECAST: 60-70% chance for at least 14 heatwave days in Belize. 40-60% chance for at least 7 heatwave days in The Bahamas, the Greater Antilles and wind sheltered areas in the Lesser Antilles.

How many heatwave days from May to July 2021?

USUALLY:

- Usually, during the first half of heat season, there are 7 to 14 heatwave days in The Bahamas, Belize and the Greater Antilles and wind-sheltered areas in the Lesser Antilles, but very few in wind-exposed areas of the Lesser Antilles and virtually none in the Guianas.

FORECAST:

- More than 14 heatwave days expected in Belize and more than 7 heatwave days in the wind-sheltered areas of the Lesser Antilles, which is somewhat more than the usual numbers for the period May to July.
- 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 several can occur (especially during dry spells), heat stress in human populations or livestock will sharply increase.
- Region-wide, heat stress during the May to July period is expected to potentially be stronger than usual, though significantly less intense than in 2010, 2016 and 2020.



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