



Heat Outlook for July 2020 to January 2021

Frequent excessive heat from August to October

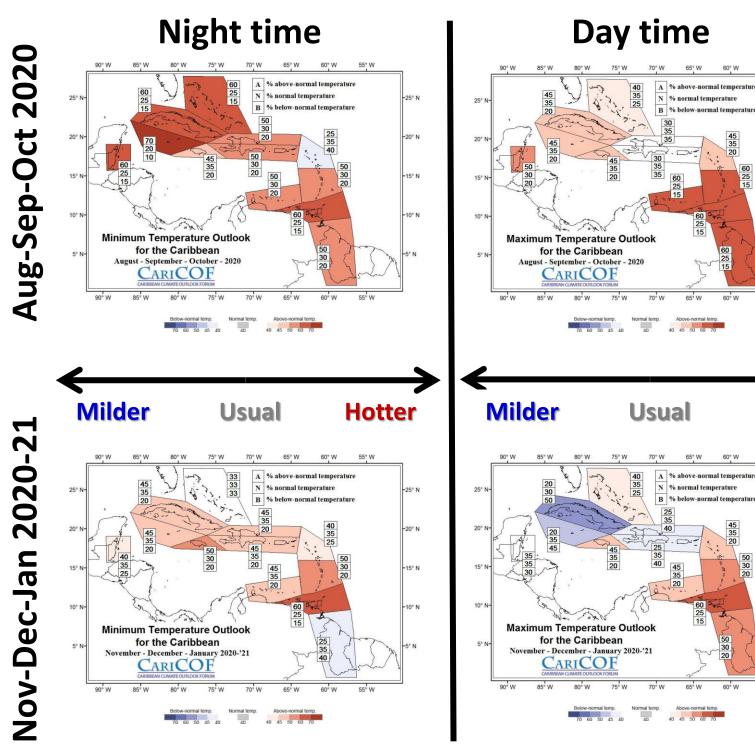
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How hot will the next three to six months be?



FORECAST:

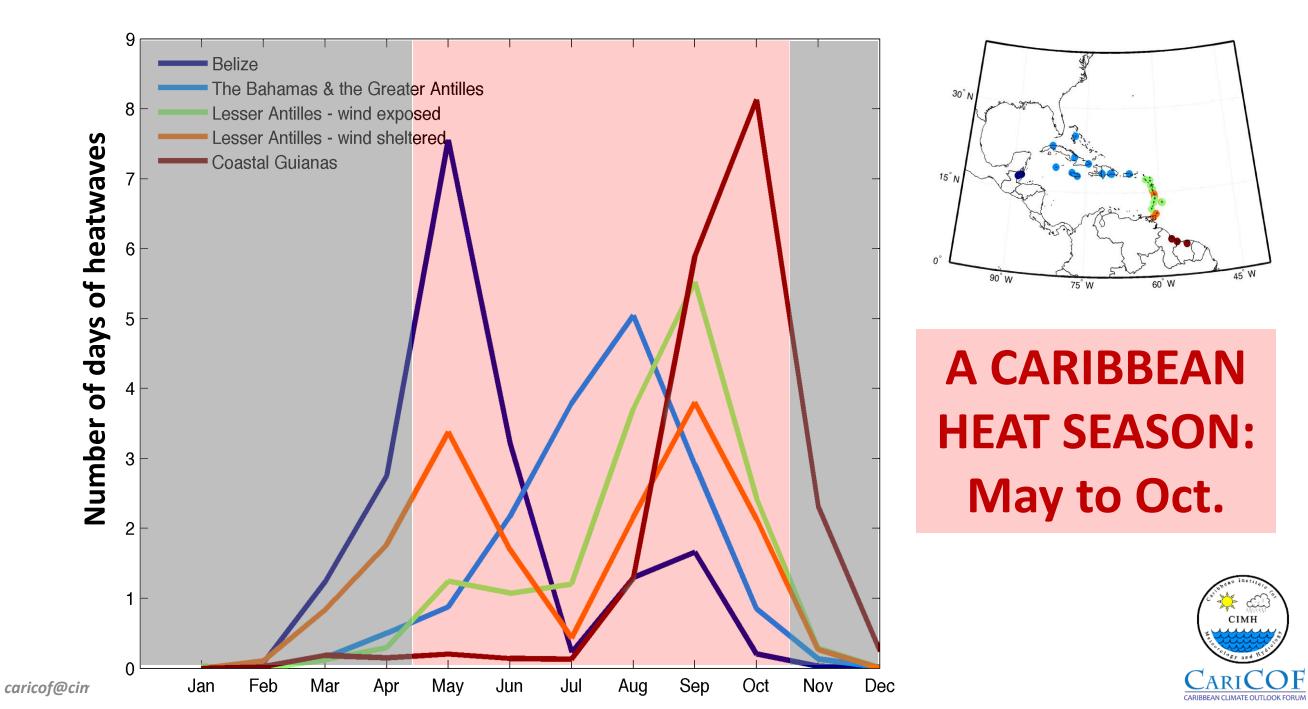
Hotter

 The usual or higher night- and daytime temperatures on forecast for most areas through January 2021, with the notable, potential exception of much of the Greater Antilles between November and January, which may end up slightly cooler than usual.

IMPLICATIONS:

- Heat stress in the vulnerable population & small livestock through September (Bahamas and Greater Antilles) or October (rest of the region)
- Higher than usual temperatures combined with high humidity in Belize and the Islands means higher cooling need until October.

HEATWAVES: SEASONALITY



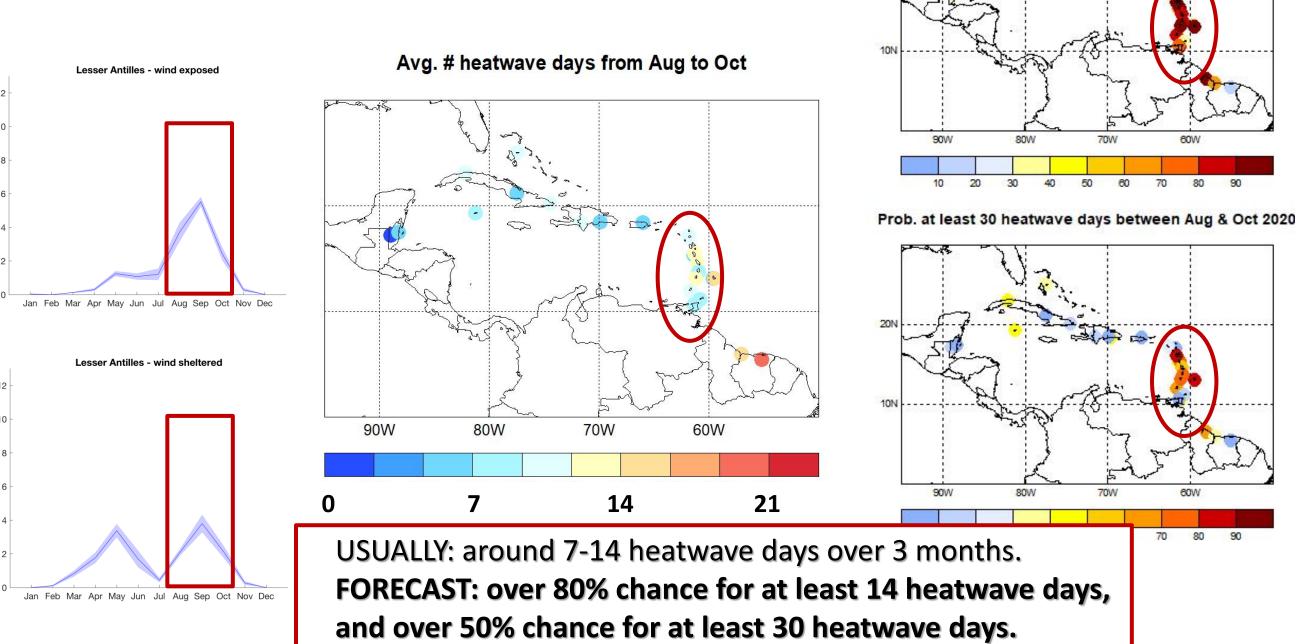
What does the peak of the heat season look like in the **Lesser Antilles**, i.e. August to October?

month

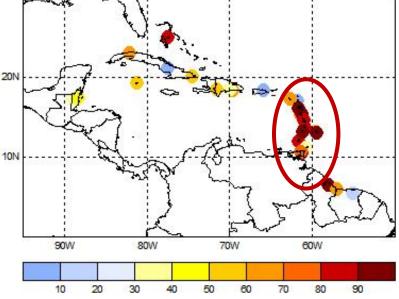
Number of hot days per

month

Number of hot days per



Prob. at least 14 heatwave days between Aug & Oct 2020



How many heatwave days from August till October 2020?

USUALLY:

• Usually, there are about 10-15 heatwave days between August and October, forming the region-wide peak of the Caribbean heat season.

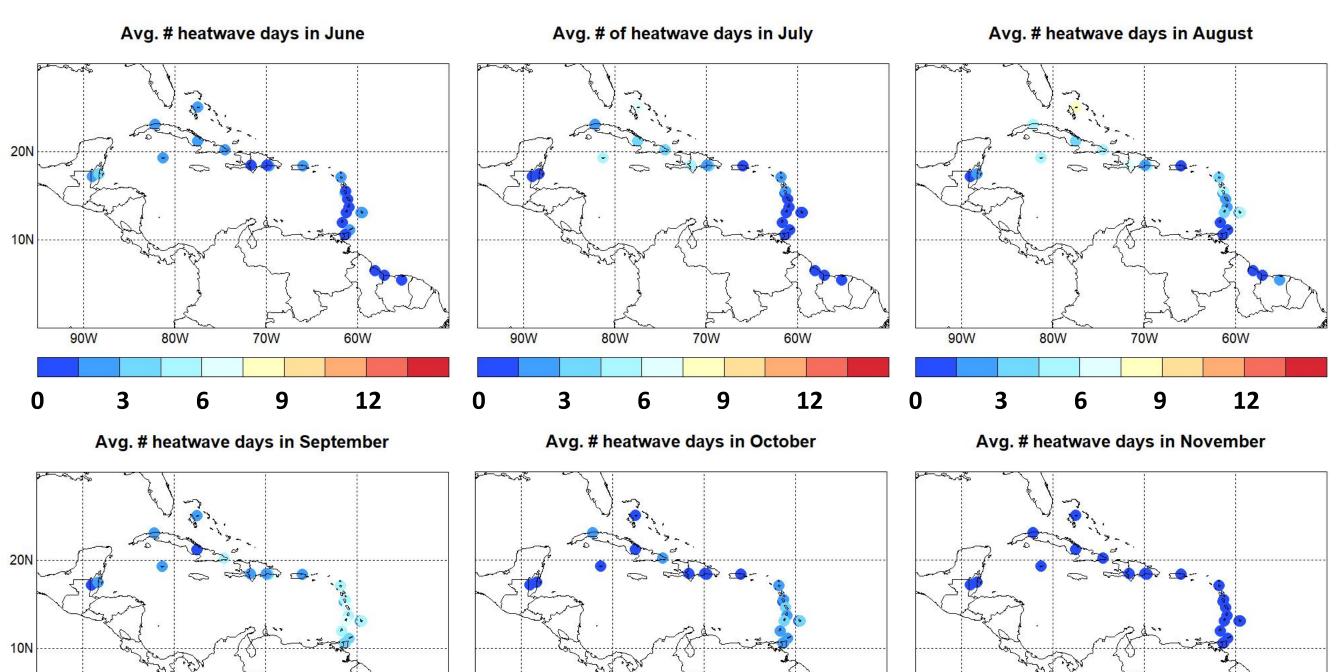
FORECAST:

- The number of heatwave days is expected to be up to twice the usual number or higher during the peak of the 2020 heat season in the Lesser Antilles.
- 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.
- Heat stress at the peak of the heat season on par with hottest years in the Bahamas and Lesser Antilles (e.g. 2016).

Historically, how many heatwave days on average per month?



90W

80W

70W

60W

90W

80W

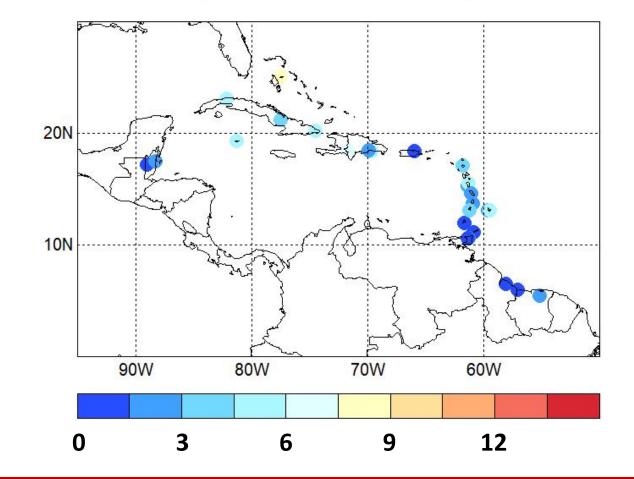
70W

60W



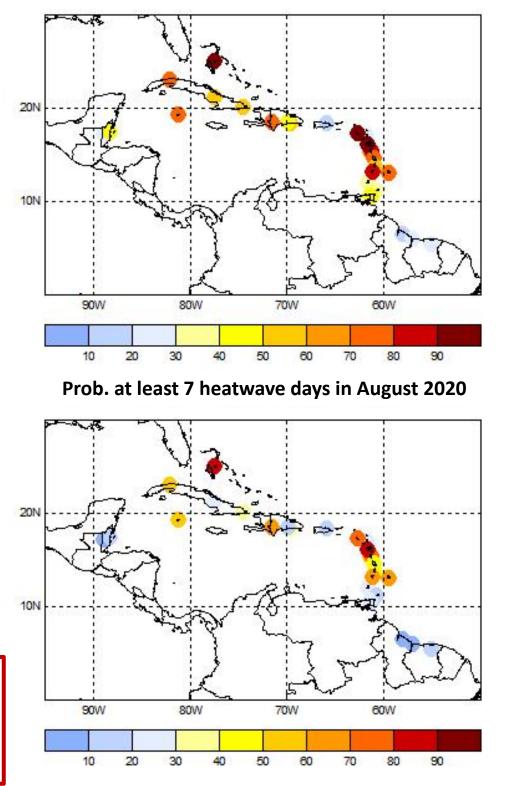
How many heatwave days to expect in August 2020?

Avg. # heatwave days in August



USUALLY: Generally 3 to 6 heatwave days in the islands. FORECAST: 40-90% chance of 7 or more heatwave days in August this year in the islands.

Prob. at least 3 heatwave days in August 2020







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