



Heat Outlook for September to November 2017

Frequent excessive heat

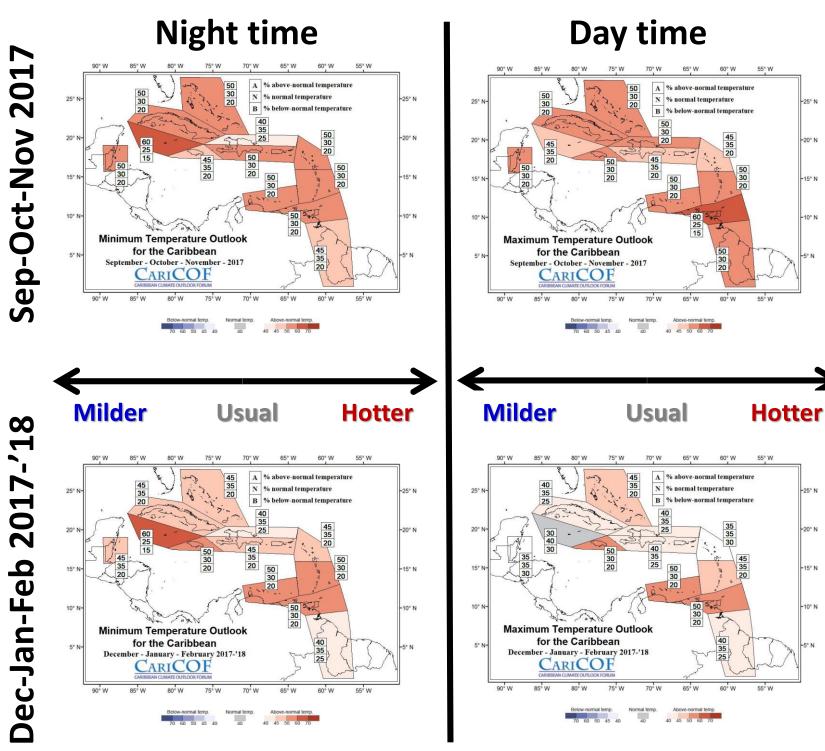
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How hot will the next three to six months be?



FORECAST:

-15° N

- temperatures from 1) September to February during both night & day likely warmer than usual.
- 2) The hottest part of the year (incl. September and early October) will be warmer than usual.

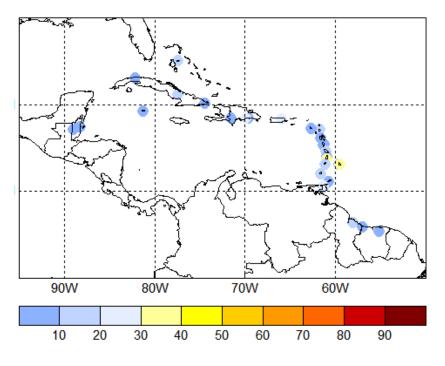
IMPLICATIONS:

- **Elevated heat stress until end** of October in the vulnerable population & small livestock.
- **Increased cooling need until November compared to most** years.

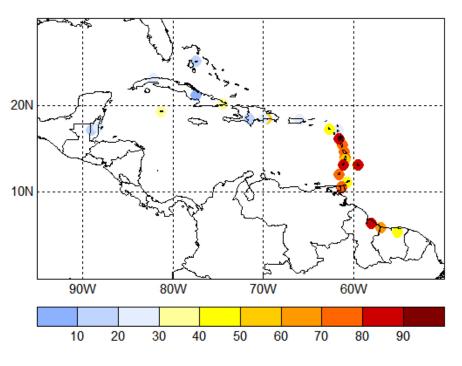
What's the chance of having at least ... heatwave days from September to November 2017?

20N

Prob. at least 60 heatwave days between Sep & Nov



Prob. at least 14 heatwave days between Sep & Nov



FORECAST:

30

20

80W

40

90W

10

Prob. at least 30 heatwave days between Sep & Nov

70W

60

50

60W

80

90

70

- >60% chance for at least 14 heatwave days in many places in Guyana and the Lesser Antilles.
- More than 40% chance of having at least 30 heatwave days in many places in the Lesser Antilles and coastal Guianas.

How many heatwave days from September to November 2017?

USUALLY:

- 1) A few heatwave days are counted in most locations between September and November, but the Lesser Antilles and coastal Guianas usually experience more heatwave days than other areas.
- 2) Most heatwave days tend to occur before the end of October, coinciding with high humidity.

FORECAST:

There is an increase in heatwave days forecast for ASON 2017. Some locations may experience heatwaves 25% of the time.

IMPLICATIONS:

- Very likely increase in heat stress from heatwaves in human populations or livestock, especially in the Lesser Antilles and Guianas.
- Discomfort peaking due to the combination of very warm temperatures and high humidity until the end of October, after which temperatures gradually decrease.