



Heat Outlook for June to November 2017

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Frequent excessive heat

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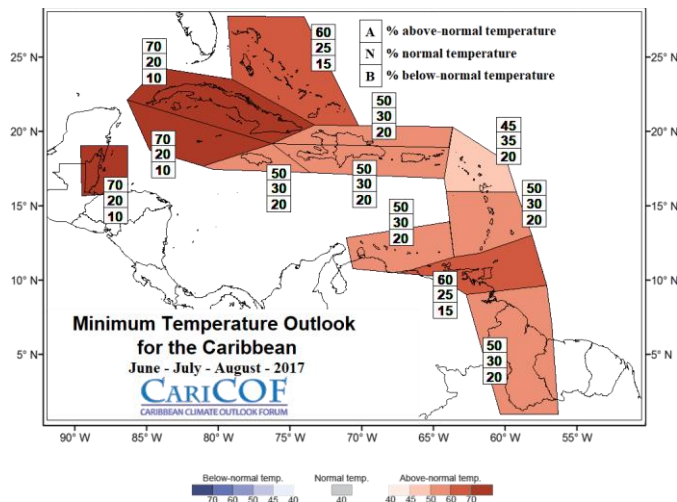
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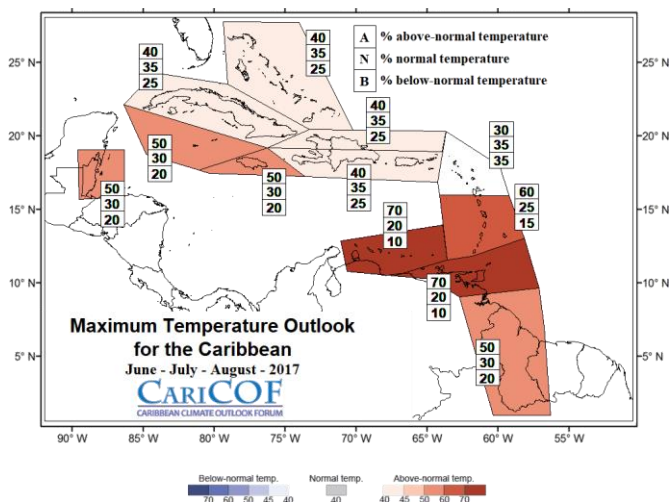


How hot will the next three to six months be?

Night time



Day time



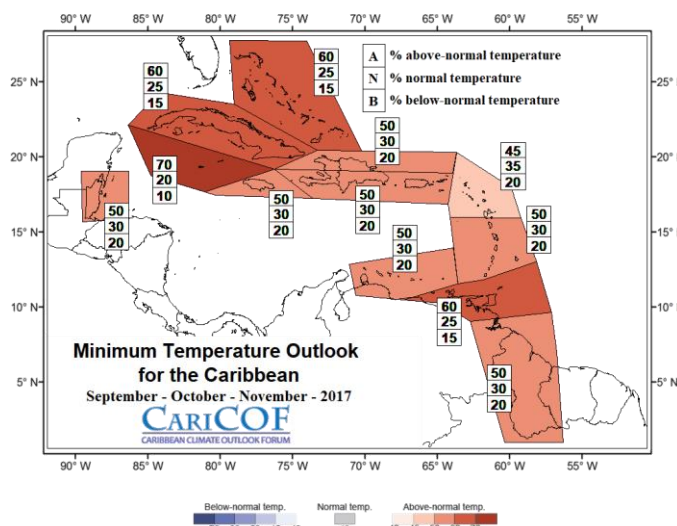
FORECAST:

- 1) temperatures from July to November during both night & day likely warmer than usual.
- 2) The **hottest part of the year** (Aug. to Sep.) will be warmer than usual.

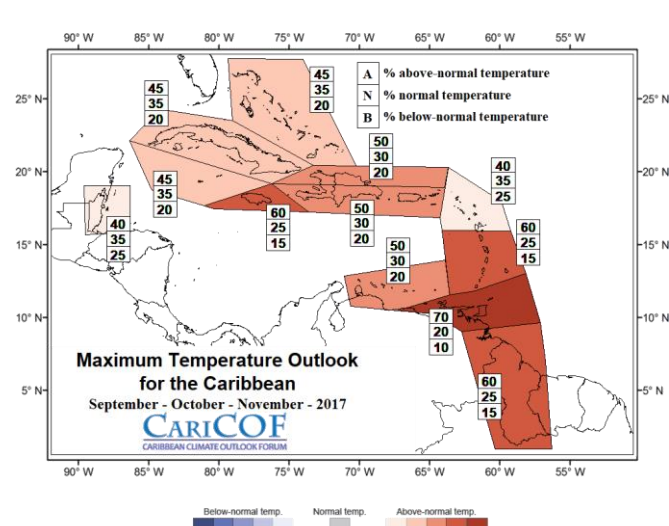
IMPLICATIONS:

- Elevated heat stress in the vulnerable population.
- Elevated heat stress in small livestock is possible.
- Increased cooling need.

← Milder Usual Hotter →



← Milder Usual Hotter →



Jun-Jul-Aug 2017

Sep-Oct-Nov 2017

How many heatwave days from June to November 2017?

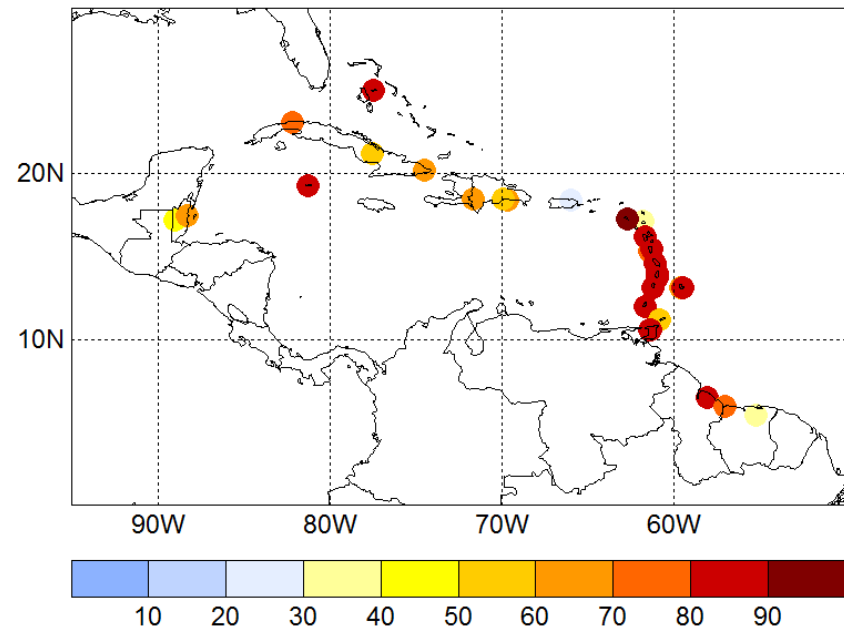
June to November

| | No. of heatwave days | |
|-------------------------------|----------------------|---------------|
| | Climatology | 2017 Forecast |
| Antigua_VCBird | 0-26 | 0-538 |
| Bahamas_LPIA | 11-46 | 9-12245 |
| Barbados_CIMH | 0-26 | 0-4617 |
| Barbados_GAIA | 4-53 | 10-14355 |
| Belize_Cfarm | 0-11 | 0-289 |
| Belize_PGIA | 1-21 | 1-4516 |
| Cayman | 5-45 | 6-11240 |
| Cuba_Camagüey | 2-26 | 0-4614 |
| Cuba_Casablanca | 7-29 | 8-7029 |
| Cuba_Punta_Maisi | 4-39 | 3-5923 |
| Dominica_Canefield | 2-36 | 4-7026 |
| Dominica_Douglas_Charles | 5-54 | 8-14956 |
| Dominican_Republic_Jimani | 10-31 | 3-9527 |
| Dominican_Rep_Las_Americas | 7-33 | 3-6122 |
| Dominican_Rep_Santo_Domingo | 2-20 | 1-3011 |
| Grenada_MBIA | 4-31 | 4-7028 |
| Guadeloupe_Petit-bourg | 5-39 | 1-17356 |
| Guyana_Georgetown | 5-47 | 6-18366 |
| Martinique_FDF_Desaix | 4-30 | 12-7636 |
| Puerto_Rico_SAN_JUAN | 1-11 | 0-4511 |
| St_Kitts_National_AgriStation | 12-29 | 16-7840 |
| St_Lucia_GFL_Charles | 2-30 | 6-10239 |
| St_Lucia_Hewanorra | 3-34 | 1-10737 |
| St_Vincent_ET_Joshua | 8-50 | 10-13554 |
| Suriname_Nickerie | 7-41 | 1-10230 |
| Suriname_Zanderij | 1-35 | 0-7711 |
| Tobago_ANR_Rob | 0-23 | 0-3914 |
| Trinidad_Piarco | 3-29 | 4-5926 |
| Trinidad_St_Augustine | 0-24 | 6-5425 |

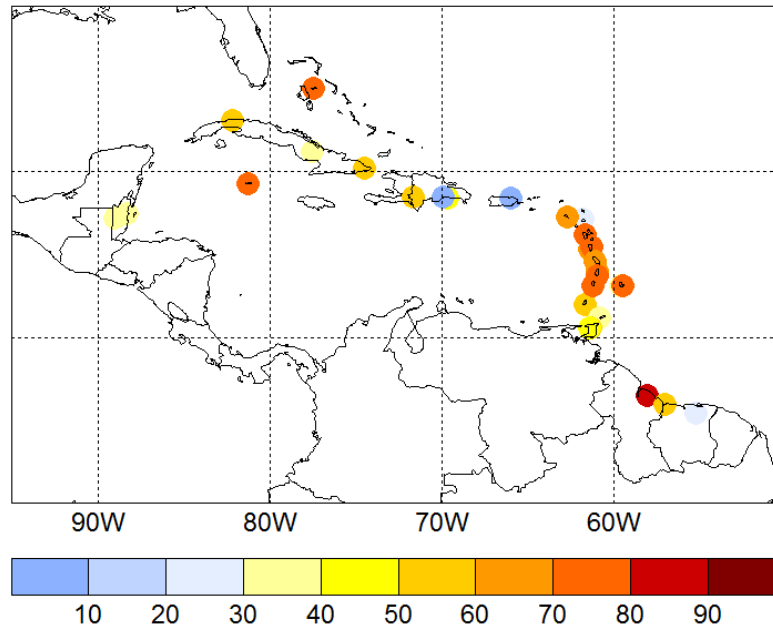
red is an increase in frequency; blue a decrease; grey none are expected

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

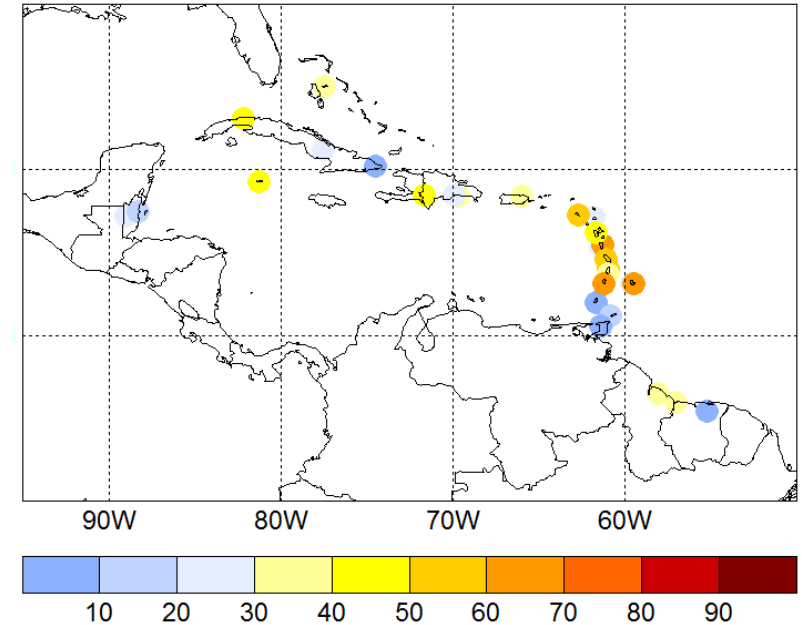
Prob. at least 14 heatwave days between Jun & Nov



Prob. at least 30 heatwave days between Jun & Nov



Prob. at least 60 heatwave days between Jun & Nov



FORECAST:

- More than 50% chance of having at least 30 heatwave days in many places.
- Lesser Antilles (except Grenada and Trinidad & Tobago): 80% and 50% chance for at least 14 and 60 heatwave days, resp.

How many heatwave days from June to November 2017?

USUALLY:

- 1) At least a few heatwave days are counted in most locations between June and November.
- 2) Most heatwave days during this time tend to occur between August and October

FORECAST:

There is an increase in heatwave days forecast for JJASON 2017, with some locations possibly experiencing heatwaves 1/3 of the time.

IMPLICATIONS:

- **Very likely increase in heat stress from heatwaves in human populations or livestock.**
- **Much more discomfort related to very warm temperatures than in recent months.**

Thank you

**All climate data, information, tools and products are available at
rcc.cimh.edu.bb**

