

Rainfall frequency and extreme forecasts

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Wet days and Wet spells Outlooks October to December 2020

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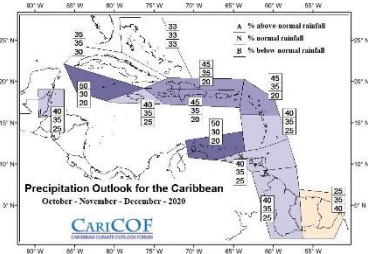
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Wet day frequency shifts

Forecast for: October to December 2020

Precipitation outlook



OND 2020
Frequency of wet days



USUALLY: Out of 92 days in Oct-Nov-Dec, there are about 35 to 50 wet days (coastal Guianas: 20-40; ABC Islands: 15-35).

FORECAST: OND rainfall may be wetter than usual across most of the region, with little indication of any change in wet days from the usual numbers (*low confidence*).

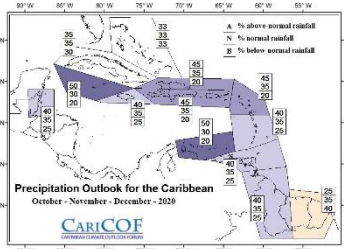
IMPLICATIONS:

- The usual, favourable conditions for moisture-related pests and diseases in view of frequent wet days (from late-November onwards in the coastal Guianas).
- Fewer disruptions of outdoor activities and drier conditions in the Guianas up until mid-November.

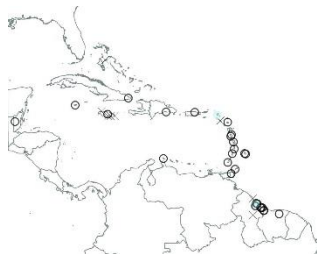
Wet spells frequency shifts

Forecast for: October to December 2020

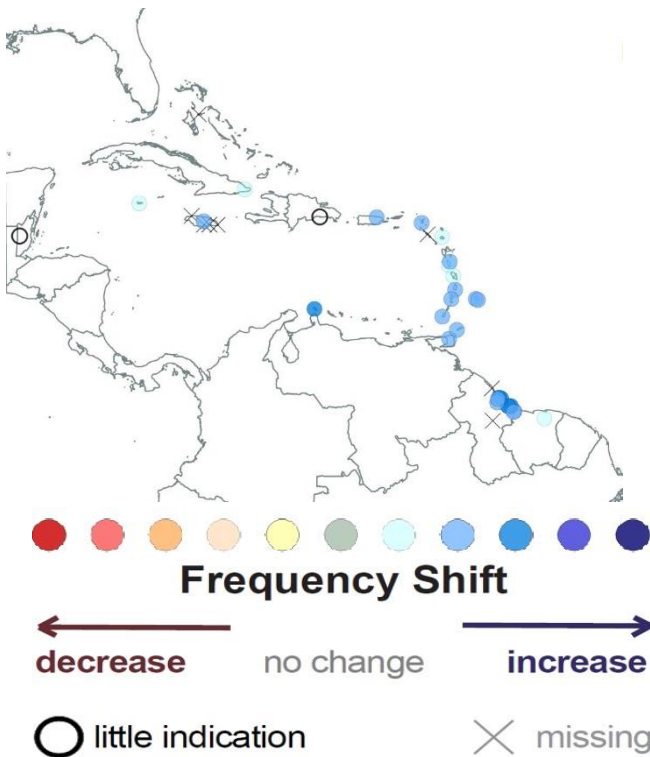
Precipitation outlook



Wet days outlook



OND 2020 frequency of 7-day wet spells



OND 2020 frequency of 7-day very wet spells



USUALLY: Between 3 and 6 wet spells (coastal Guianas: 1-4) occur from October to December, with 1 to 4 of them ending up very wet (coastal Guianas: up to 2).

FORECAST: OND rainfall may be wetter than usual across most of the region, with little indication of any change in wet days from the usual numbers (*low confidence*). An increase compared to the usual number of wet spells is forecasted across the eastern Caribbean (*medium confid.*) along with a possible slight increase in very wet spells across most of the region (*low confid.*).

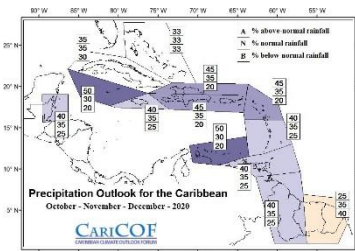
IMPLICATIONS:

- Potentially faster recharge rates of water reservoirs related to frequent wet spells.
- High flooding potential across the region (except in October and early-November in the coastal Guianas).

Extreme wet spells frequency shifts

Forecast for: October to December 2020

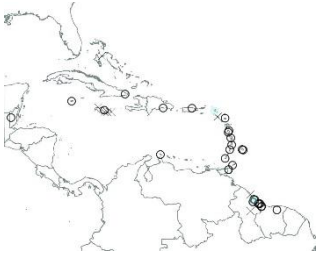
Precipitation outlook



OND 2020 frequency of *extreme (top 1%) 3-day wet spells*



Wet days outlook



Wet spells outlook



Very wet spells outlook



USUALLY: Up to 2 extreme wet spell occur from October to December (Guianas: up to 1).

FORECAST: OND rainfall may be wetter than usual across most of the region, with little indication of any change in wet days from the usual numbers (*low confidence*). An increase compared to the usual number of wet spells is forecasted across the eastern Caribbean (*medium confid.*) along with a possible slight increase in very wet spells across most of the region (*low confid.*).

Similarly, an increase in the number of extreme wet spells has been forecasted for most Caribbean Islands (*medium confidence*).

IMPLICATION:

- High flash flood potential, land slide/rock fall and soil erosion potential in Belize and the islands throughout the period and from late-November onwards in the coastal Guianas.

October to December 2020								
	No. of wet days		No. of 7-day wet spells (20% wettest)		No. of 7-day very wet spells (10% wettest)		No. of 3-day extremely wet spells (1% wettest)	
	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast
Antigua (VC Bird)	32-44	31-45	3-5.5	2.9-6.1	1.3-3.2	1.4-3.9	0-1	0-1.6
Aruba (Beatrix)	18-44	21-41	3.3-8.6	4.6-10	1.3-6.9	1.8-6.9	0-2.8	0.3-3
Barbados (CIMH)	35-48	35-49	3.4-5.6	3.5-6.4	1.3-3.9	1.7-4.4	0-2	0-2.5
Barbados (GAIA)	35-49	35-49	3.3-5.6	3.5-6.3	1.5-3.4	1.8-4	0-2	0-2.3
Belize (C. Farm)	32-49	31-50	2.8-5.4	2.7-5.6	1.4-2.6	1.5-3.1	0-1	0-1.5
Cayman	22-39	22-41	2.2-4.7	2.2-5.9	1-3.7	1.1-3.8	0-2.5	0-2.4
Cuba (Punta Maisi)	18-32	17-33	2.6-5.7	3.1-7	1.3-4.3	1.5-4.5	0-2	0-2.1
Dom. Republic (Las Americas)	25-35	24-38	2.5-4.9	2.2-5.6	0.4-3	0.7-3.5	0-2	0-1.8
Dominica (Canefield)	40-54	39-53	2.6-4.7	2.4-5.3	1-2.6	1-3.1	0-1.2	0-1.9
Dominica (Douglas Charles)	57-69	56-70	3-5.8	3.3-6.7	1.7-3.7	1.7-4	0-1.2	0-1.7
Grenada (MBIA)	33-48	33-48	3.4-5.5	3.3-6.5	1.4-3.4	1.4-4.2	0-2	0-2.1
Guyana_73	13-26	14-26	1.3-3.4	1.4-3.8	0.2-2.4	0.5-2.7	0-1.2	0-0.8
Guyana (Albion)	18-40	17-41	0.8-4.5	1.2-6	0-2.3	0.4-2.5	0-1.3	0-1.1
Guyana (Blairmont)	20-41	20-41	1-3.9	1.5-4.3	0.4-2.1	0.5-2.5	0-1	0-1.5
Guyana (Charity)								
Guyana (Enmore)	17-49	20-47	0.9-4.3	1.5-5.4	0.4-3	0.6-3.2	0-1.9	0-1.8
Guyana (Georgetown)	28-46	31-49	1.2-4.4	1.8-5.1	0.4-2.7	0.8-3.1	0-1.8	0-2.2
Guyana (Greatfall)								
Guyana (New Amsterdam)	23-40	22-41	1.2-3.9	1.5-4.7	0.4-2.2	0.7-2.6	0-1	0-1.7
Guyana (Skeldon)	26-39	24-41	1.3-3.6	1.5-4.1	0.4-1.9	0.5-2.2	0-1.5	0-1.3
Guyana (Timehri)	40-51	38-53	1.7-4	2.1-4.5	0.4-2.3	0.7-2.6	0-1	0-0.8
Guyana_Wales	30-48	34-52	1.7-4.4	2-5.2	0.4-2.6	0.9-3.3	0-1	0-1.4
Jamaica (Worthy Park)	24-39	23-40	2.6-5.1	2.8-5.3	1.1-2.6	1.2-3.3	0-1	0-1.4
Martinique (FDF Desaix)	49-61	48-64	3.3-6.2	3.1-6.8	1.4-3.2	1.5-3.5	0-2	0-1.9
Puerto Rico (San Juan)	39-52	37-55	3-5.9	3.3-6.2	0.9-3.4	1.2-3.9	0-1	0-1.1
St. Lucia (Hewanorra)	41-54	39-54	3-5.5	3.3-5.9	1.3-3.6	1.3-3.5	0-1.4	0-1.7
St. Maarten (TNM)	36-50	36-52	2.8-5.6	3.4-6.6	1.6-3.9	1.6-3.8	0-2	0-2.5
St. Vincent (ET Joshua)	52-64	51-65	3.4-6.5	3.6-7.5	1.7-4	1.7-4	0-2.3	0-2.8

grey none are expected

blue an increase,

brown is a decrease in frequency,



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