

Rainfall frequency and extreme forecasts

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Wet days and Wet spells Outlooks October to December 2024

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Wet day frequency shifts

Forecast for: October to December 2024

OND 2024

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).

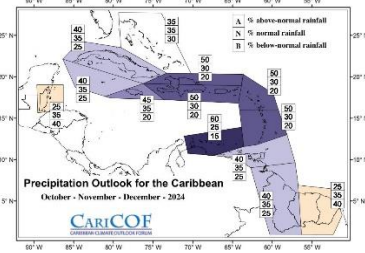
FORECAST: OND may be drier than usual in Belize, French Guiana and Suriname and at least as wet as usual elsewhere.

- Fewer wet days than usual may be expected across Belize, Dominica and Suriname (*low confidence*), but a slight increase in the number of wet days may be expected elsewhere (*low to medium confidence*).

IMPLICATIONS:

- Frequent rainfall disruptions across Belize and the islands.
- Relatively few outdoor activity disruptions due to rainfall across the Guianas through mid-November but increasing after that.
- Surface wetness due to consecutive wet days make environmental conditions more conducive to moisture-related pests across Belize and the islands, especially through November.

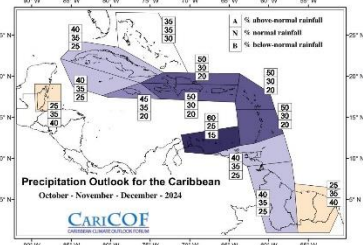
Precipitation outlook



Wet spells frequency shifts

Forecast for: October to December 2024

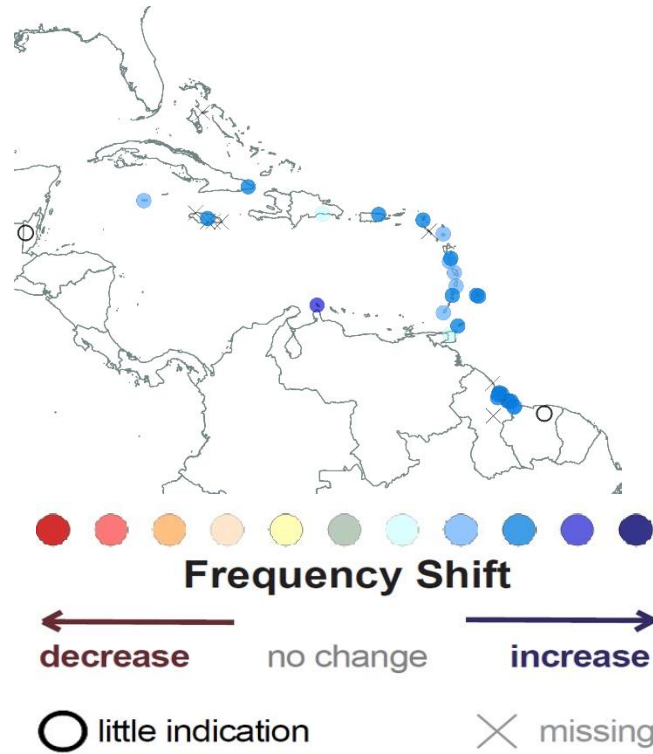
Precipitation outlook



Wet days outlook



OND 2024 frequency of 7-day wet spells



OND 2024 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 may be drier than usual in Belize, French Guiana and Suriname and at least as wet as usual elsewhere.

- An increase from the usual numbers of wet and very wet spells is expected across the region (*medium confidence*).

IMPLICATIONS:

- Recharge rates of large water reservoirs and soil moisture by wet spells may be even faster than usual in the Lesser Antilles and coastal Guianas.
- The chance of recurrent very wet spells translates to flood potential (1) being *high* throughout the period in Belize and the islands; (2) increasing from *moderate* to *high* in the coastal Guianas after November.

Extreme wet spells frequency shifts

Forecast for: October to December 2024

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

FORECAST: OND may be drier than usual in Belize, French Guiana and Suriname and at least as wet as usual elsewhere.

- No change in the number of extreme wet spells is expected in Trinidad and parts of northern Guyana, while an increase in the number of extreme wet spells is expected elsewhere across the region (*low to medium confidence*).

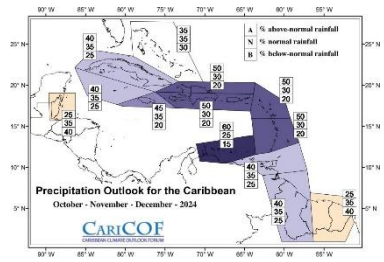
OND 2024 frequency of extreme (top 1%) 3-day wet spells



IMPLICATIONS:

- In view of the high chance of extreme wet spells in Belize and the islands, the potential for flash floods and associated hazards is expected to be *high*.
- In the Guianas, *moderate* flash flood potential is expected through November, increasing to *high* thereafter.

Precipitation outlook



Wet days outlook



Wet spells outlook



Very wet spells outlook



October to December 2024

	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	33-48	3-5.6	3.1-6.2	1.3-3.1	1.4-4.5	0-1	0-1.6
Aruba (Beatrix)	19-44	24-48	3.4-8.6	5-10.4	1.3-6.9	2.3-8.2	0-3	0.4-3.1
Barbados (CIMH)	35-48	35-51	3.4-5.7	3.5-6.9	1.3-3.9	2-5.1	0-2	0.2-2.4
Barbados (GAIA)	35-49	36-51	3.4-5.6	3.6-6.8	1.3-3.4	1.9-4.7	0-2	0-2
Belize (C. Farm)	32-49	28-51	2.6-5.4	2.5-5.9	1.3-2.6	1.5-3.5	0-1	0-1.7
Cayman	22-40	22-45	2.1-4.7	2.3-6.8	0.9-3.8	1.4-4.6	0-2.5	0-2.6
Cuba (Punta Maisi)	18-32	20-37	2.6-5.6	3.4-7.8	1.3-4.3	1.7-5.1	0-2	0-2.2
Dom. Republic (Las Americas)	25-35	24-40	2.6-4.9	2.2-5.7	0.4-3	0.7-4	0-2	0-1.8
Dominica (Canefield)	40-55	39-54	2.6-4.7	2.4-5.8	1-2.7	1.1-3.2	0-1.1	0-1.7
Dominica (Douglas Charles)	58-69	55-71	3-5.9	3.7-7.4	1.7-3.7	1.8-4.6	0-1.2	0-1.4
Grenada (MBIA)	33-48	34-51	3.4-5.6	3.3-6.9	1.3-3.4	1.5-5	0-2	0-2.1
Guyana_73	13-27	15-29	1.3-3.9	1.4-3.7	0.1-2.6	0.5-2.9	0-1.1	0-0.4
Guyana (Albion)	18-40	18-44	0.9-4.4	1.3-6.1	0-2.2	0.6-2.9	0-1.1	0-1
Guyana (Blairmont)	20-40	22-42	1.1-3.9	1.5-4.6	0.4-2.1	0.7-2.9	0-1	0-0.7
Guyana (Charity)								
Guyana (Enmore)	18-49	22-53	0.9-4.3	1.6-6.5	0.4-2.9	0.7-3.7	0-1.9	0-1.3
Guyana (Georgetown)	28-46	33-51	1.3-4.4	1.8-5.8	0.4-2.6	1.1-3.5	0-2	0-2.2
Guyana (Greatfall)								
Guyana (New Amsterdam)	24-40	25-43	1.3-3.9	1.6-5.2	0.4-2.2	0.9-3.2	0-1	0-1.5
Guyana (Skeldon)	26-39	27-44	1.3-3.8	1.7-4.6	0.4-2.1	0.6-2.7	0-2	0-1.5
Guyana (Timehri)	40-51	40-54	1.7-3.9	2.2-5.2	0.4-2.2	0.9-3	0-1	0-0.9
Guyana_Wales								
Jamaica (Worthy Park)	23-39	23-43	2.6-5.1	2.7-5.4	1.1-2.6	1.2-3.6	0-1	0-1.3
Martinique (FDF Desaix)	49-61	46-66	3.4-6.1	3-7.2	1.5-3.1	1.5-4.1	0-2	0-1.8
Puerto Rico (San Juan)	39-52	40-59	3-5.7	3.5-6.5	0.9-3.4	1.5-4.5	0-1	0-1.2
St. Lucia (Hewanorra)	41-54	38-56	3-5.6	3.2-6.3	1.3-3.5	1.3-3.7	0-1.2	0.1-1.6
St. Maarten (TNM)	36-50	36-50	2.6-5.6	3.5-6.8	1.7-3.9	1.7-4.2	0-2	0-2.7
St. Vincent (ET Joshua)	52-64	50-67	3.4-6.5	3.6-8.1	1.7-3.9	1.9-5.3	0-2.1	0-2.9
Suriname (Zanderij)	28-45	26-46	1.3-2.6	1.2-2.6	0-1.7	0.1-2.4	0-1	0-0.8
Tobago (ANR RobinOND)	41-53	41-54	3-5.6	2.8-6.1	1.3-3.4	1.5-3	0-1	0-1.4
Trinidad (Piarco)	39-50	40-51	3.4-6.1	3.9-6.9	1.7-3.7	1.7-3.7	0-2	0-2

brown is a decrease in frequency, **light blue** an increase, **grey** none are expected



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