

Rainfall frequency and extreme forecasts

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Wet days and Wet spells Outlooks April to June 2025

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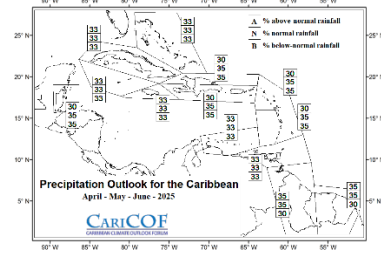
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Wet day frequency shifts

Forecast for: March to May 2025

Precipitation outlook



AMJ 2025 Frequency of wet days



USUALLY: Across the region during April-May-June, about 25 to 40 days out of a total of 91 days are wet days (coastal Guianas: 45 to 60 days; ABC Islands: 10 or less).

FORECAST: The seasonal rainfall forecast for AMJ provide little information on rainfall totals.

- A slightly faster than usual increase in the number of wet days towards June is expected across most of the region (*low confidence*).

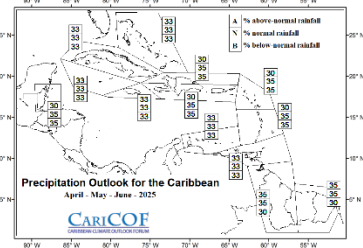
IMPLICATIONS:

- Where wet days end up more frequent than usual, a *possible* early transition into the wet season may result in increased outdoor activity disruptions, but replenishing moisture to surfaces and vegetation.
- The above impacts make environmental conditions increasingly conducive to moisture-related pests but decrease wildfire potential towards May and June.

Wet spells frequency shifts

Forecast for: April to June 2025

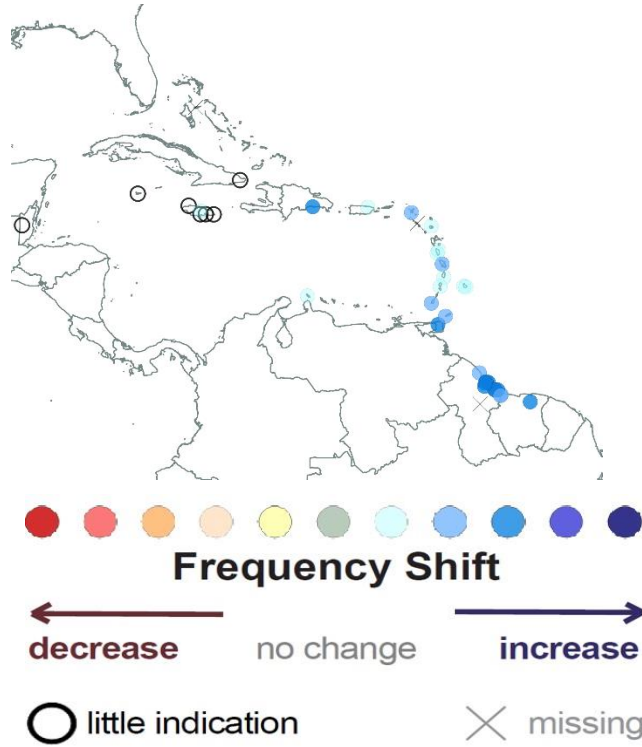
Precipitation outlook



Wet days outlook



AMJ 2025 frequency of 7-day wet spells



AMJ 2025 frequency of 7-day very wet spells



USUALLY: 1 to 4 wet spells (ABC Islands up to 2; coastal Guianas: 3 to 6) occur from April to June, with 1 or 2 of them ending up very wet (ABC Islands: up to 1; coastal Guianas: 1 to 4).

FORECAST: The seasonal rainfall forecast for AMJ provide little information on rainfall totals.

- A faster than usual increase in the number of 7-day wet and very spells is expected across the region (*medium confidence*).

IMPLICATIONS:

- Water recharge rates in smaller and larger surface reservoirs and in rivers will *likely* accelerate into April and May (Greater Antilles & Guianas) or into June (Belize & Lesser Antilles).
- The potential for long-term flooding potential associated with recurrent very wet spells is expected to rapidly increase to *high* in May and June when the wet season returns.
- These trends *may* manifest much faster than in most years.

Extreme wet spells frequency shifts

Forecast for: April to June 2025

USUALLY: Up to 1 or 2 extreme wet spells occur between April to June (Guianas: up to 2 or 3).

FORECAST: The seasonal rainfall forecast for AMJ provide little information on rainfall totals.

- Little to no change in the frequency of extreme wet spells is expected across the region (*low confidence*).

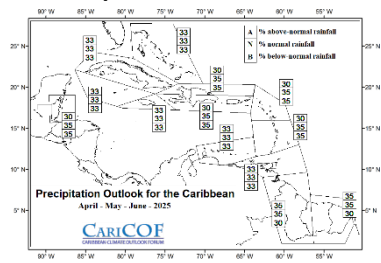
IMPLICATIONS:

- A rapid increase in the chance of extreme wet spells and the associated potential for flash floods and cascading hazards in April and May is forecasted to lead to high potential across most of the region (with the *likely* exception of the ABC Islands).

AMJ 2025 frequency of extreme (top 1%) 3-day wet spells



Precipitation outlook



Wet days outlook



Wet spells outlook



Very wet spells outlook



April to June 2025

	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)	18-32	18-36	1.5-4.3	1.2-4.9	0.4-2.6	0.7-3.3	0-1	0-1.3
Aruba (Beatrix)	4-9	3-11	0.4-1.7	0.2-2.2	0-1.3	0.1-1.4	0-1	0-0.1
Barbados (CIMH)	18-36	20-39	0.9-4.1	1-4.4	0.4-1.9	0.6-2.6	0-0.5	0-0.1
Barbados (GAIA)	19-37	21-39	0.9-4.1	1.2-4.5	0.4-2.6	0.6-3	0-1	0-1
Belize (C. Farm)	17-28	18-30	1.3-3	1-3.6	0.5-2.1	0.5-2.4	0-1	0-0.7
Cayman	18-29	16-30	2.1-3.9	1.5-4.7	0.9-2.6	0.7-3.4	0-1	0-1.4
Cuba (Punta Maisi)	8-18	7-19	1.3-3.4	0.9-4.3	0.4-2.1	0.1-2.1	0-1	0-1.3
Dom. Republic (Las Americas)	17-31	18-35	1.7-4.8	2-6.4	0.6-3.4	1.1-4.9	0-1	0-1.3
Dominica (Canefield)	29-45	28-51	1-3.5	1-5.1	0-2.5	0.2-2.9	0-0	0-0
Dominica (Douglas Charles)	41-64	42-68	1.1-5.1	1.3-5.3	0.4-2.9	0.4-3.3	0-2	0-1.6
Grenada (MBIA)	19-35	20-40	1.3-3.6	1.3-4.9	0.2-2.2	0.5-2.9	0-1	0-0.7
Guyana_73	27-41	27-42	2.8-6	3.2-7.7	1.5-3.4	1.5-4.6	0-1	0-1.5
Guyana (Albion)	38-52	39-55	2.6-5.8	3-7.3	1.3-3	1.8-3.9	0-2	0-1.9
Guyana (Blairmont)	44-58	42-60	2.8-6.2	3.5-7.4	1.3-3.4	1.5-4.9	0-1.1	0-1.5
Guyana (Charity)								
Guyana (Enmore)	42-54	43-57	2.7-5.6	3.4-7.5	1.3-3	1.2-3.8	0-1	0-1.7
Guyana (Georgetown)	46-59	46-61	3-6.4	3.4-7.4	1.3-3.6	1.4-4.3	0-1	0-1.2
Guyana (Greatfall)								
Guyana (New Amsterdam)	43-60	43-62	3-6.2	3.5-7.5	1.5-3.9	1.6-4.6	0-2	0-1.6
Guyana (Skeldon)	41-57	43-60	3.2-6.4	3.3-7.8	1.1-3.9	1.4-5.2	0-1	0-1.3
Guyana (Timehri)	49-61	48-64	3-6.4	3.3-8.3	1.1-3.6	1.6-5	0-2	0-2.2
Guyana_Wales								
Jamaica (Worthy Park)	20-37	21-40	2.4-4.9	2-5.7	0.9-3	0.8-3.6	0-2	0-1.8
Martinique (FDF Desaix)	35-51	34-56	1.3-3.6	1.4-4.5	0.4-2.1	0.6-2.4	0-1	0-1
Puerto Rico (San Juan)	25-42	26-45	1.8-4.9	1.7-5.6	0.9-3.9	0.9-3.9	0-1.5	0-1.5
St. Lucia (Hewanorra)	26-43	25-46	1.1-4.3	1.2-4.8	0.2-2.1	0.4-2.4	0-1	0-0.6
St. Maarten (TNM)	22-33	22-34	1.3-3.4	1.4-4.1	0.4-2.1	0.5-2.4	0-1	0-0.8
St. Vincent (ET Joshua)	33-56	35-59	1.1-4.1	1-4.4	0.4-2.1	0.7-2.2	0-1	0-1
Suriname (Zanderij)	57-69	57-71	3.4-7.1	3.8-8.4	1.8-4.3	1.8-5.1	0-2	0-2.2
Tobago (ANR RobinNDJ)	27-44	29-49	1.3-4.1	1.7-5.4	0.4-1.9	0.8-2.4	0-1	0-1.2
Trinidad (Piarco)	22-36	23-40	1.3-3.4	1.5-5.1	0.4-2.1	0.5-2.6	0-1	0-1.2

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



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