

Rainfall frequency and extreme forecasts

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Wet days and Wet spells Outlooks June to August 2025

Dr. Cedric VAN MEERBEECK¹, Dr. Teddy ALLEN¹, Dr. Simon MASON²,
Dr. Ángel MUÑOZ², Wazita Scott¹, Dale Destin³

¹Caribbean Institute for Meteorology and Hydrology (CIMH), Barbados

²International Research Institute for Climate and Society (IRI), USA

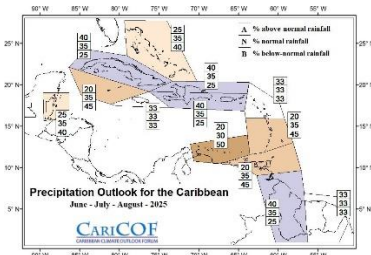
³Antigua and Barbuda Meteorological Services



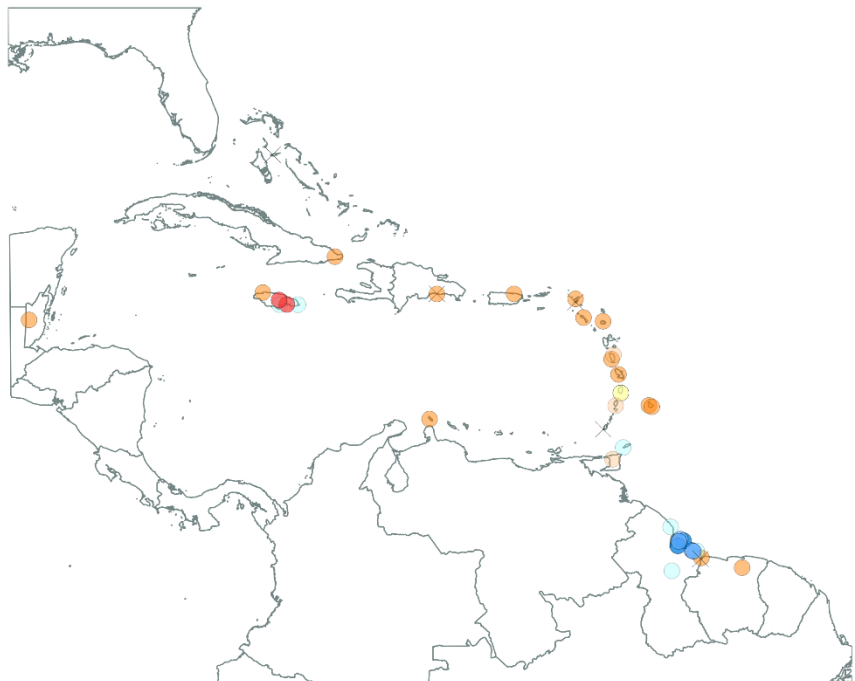
Wet day frequency shifts

Forecast for: June-July-August (JJA) 2025

Precipitation outlook



Frequency of wet days in JJA 2025



USUALLY: Out of 92 days in JJA, there are about 30 to 45 wet days in relatively flat areas of Belize and the islands, but 50 to 65 in mountainous areas and in the coastal Guianas (ABC Islands: 5-15).

FORECAST: Rainfall totals in JJA are likely to be at least as high as usual across Cuba, Hispaniola, Puerto Rico, and Guyana, but the usual or less elsewhere.

- Fewer wet days than usual are forecast across the Antilles, in Belize and coastal Suriname (*medium confidence*); more frequent wet days than usual are forecast for northern Guyana (*medium confidence*).

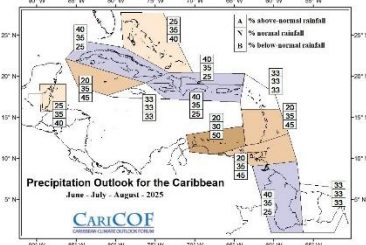
IMPLICATIONS:

- Fewer rainfall disruptions of outdoor activity, but increased wildfire potential in the Antilles, Belize and coastal Suriname.
- A faster increase in surface wetness than usual could make environmental conditions more conducive to moisture related pests.

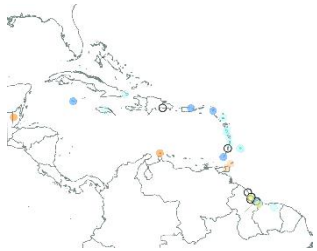
Wet spells frequency shifts

Forecast for: June-July-August (JJA) 2025

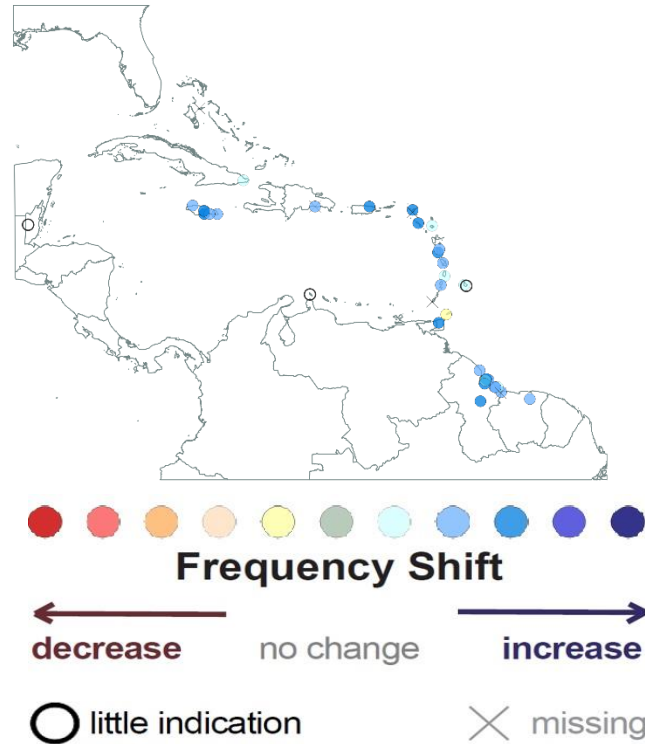
Precipitation outlook



Wet days outlook



JJA 2025 frequency of 7-day wet spells



JJA 2025 frequency of 7-day very wet spells



USUALLY: 3 to 6 wet spells (ABC Islands: up to 3) occur from June to August, with 1 to 3 of them ending up very wet (ABC Islands: up to 2).

FORECAST: Rainfall totals in JJA are likely to be at least as high as usual across Cuba, Hispaniola, Puerto Rico, and Guyana, but the usual or less elsewhere.

- A larger number of wet spells and very wet spells than usual may be expected across the region (*medium to high confidence*).

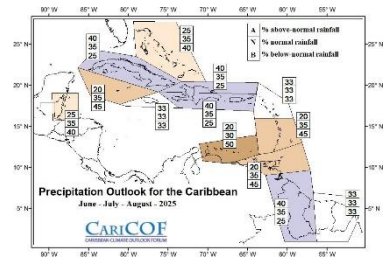
IMPLICATIONS:

- Accelerating recharge rates of large water reservoirs and soil moisture throughout the region in view of the faster than usual increasing number of wet spells into the wet season.
- More frequent very wet spells translate to increased surface water runoff. Hence, flood potential is expected to (1) increase from *moderate* in June and July to *high* in August in Belize and the islands; (2) decrease from *high* to *moderate* in August in the Guianas.

Extreme wet spells frequency shifts

Forecast for: June-July-August (JJA) 2025

Precipitation outlook



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



Wet days outlook



Wet spells outlook



Very wet spells outlook



USUALLY: Up to 1 extreme wet spell occurs between June to August (ABC Islands: up to 1).

FORECAST: Rainfall totals in JJA are likely to be at least as high as usual across Cuba, Hispaniola, Puerto Rico, and Guyana, but the usual or less elsewhere.

- No significant changes in the chance of occurrence of extreme wet spells is expected across most of the region (*low confidence*).

IMPLICATIONS:

- In view of the chance of extreme wet spells increasing towards August in Belize and the islands the potential for flash floods and associated hazards is expected to increase from moderate to high. The inverse trend is expected in the Guianas by the end of August.

June to August 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)	26-41	26-42	1.8-4.7	2.1-5.4	0.9-3	0.7-2.9	0-1	0-0
Aruba (Beatrix)	6-16	4-16	0.4-3.4	0.4-4.3	0-2.1	0.1-2	0-0.5	0-0.1
Barbados (CIMH)	34-49	33-49	2.6-6.4	2.9-7.9	0.9-3	1-3.4	0-1	0-1
Barbados (GAIA)	37-47	35-49	3-5.4	3.1-6.2	0.9-2.6	0.9-3.2	0-1	0-1.2
Belize (C. Farm)	33-49	30-47	2.6-5.4	2-6.7	1.3-3.4	1.1-3.8	0-1.5	0-1.6
Cayman	28-40	28-45	3-5.8	2.9-7.3	0.9-3.5	1.2-4.4	0-1	0-0.8
Cuba (Punta Maisi)	7-15	7-18	0.9-3.4	1-4.1	0-1.3	0-1.8	0-0.5	0-0
Dom. Republic (Las Americas)	19-33	20-34	1.8-4.7	1.9-7.1	0.5-2.6	0.7-3.5	0-0.9	0-0.7
Dominica (Canefield)	49-66	47-70	4-6.7	4.1-7.9	1.7-4.6	1.4-5.1	0-1.3	0-1.5
Dominica (Douglas Charles)	53-68	53-72	2.2-5.6	2.3-6.5	0.9-2.8	0.8-3.4	0-0	0-0
Grenada (MBIA)	42-51	41-55	3.9-6.4	3.8-7.3	1.7-3.6	1.1-4.1	0-1	0-1.5
Guyana_73	25-35	26-40	3.2-5.6	2.7-6	1.3-3.2	1-4.2	0-1	0-1.1
Guyana (Albion)	37-52	37-59	3.4-6.7	3.2-6.3	1.7-3.6	1.5-3.9	0-1	0-1.5
Guyana (Blairmont)	44-60	44-64	3.5-6.9	2.8-7.8	1.5-3.9	1.5-4.3	0-1	0-1.7
Guyana (Charity)								
Guyana (Enmore)	41-57	41-62	3.2-6	3-6.8	1.1-3.4	0.9-4	0-1.3	0-1.2
Guyana (Georgetown)	51-63	48-66	3.2-5.6	2.8-6.2	1.3-3	1.3-3.7	0-1	0-1.1
Guyana (Greatfall)								
Guyana (New Amsterdam)	46-60	43-60	3.9-6.2	3-6.7	1.4-3.4	1.4-3.7	0-1	0-1.1
Guyana (Skeldon)	45-52	43-54	3.3-6	2.5-6.6	1.1-3.9	0.9-4.1	0-2	0-1.6
Guyana (Timehri)	55-68	54-71	3.4-6	3.2-6.8	1.3-3.6	1.3-4	0-1	0-1.4
Guyana_Wales								
Jamaica (Worthy Park)	25-38	23-43	2.1-4.7	2.2-6	1.1-3	1-3.2	0-1	0-1.4
Martinique (FDF Desaix)	51-63	49-66	3-6	3.6-6.6	1.3-3	1.2-2.8	0-1	0-1.6
Puerto Rico (San Juan)	31-49	32-55	2.4-5.2	2.6-6	1.1-2.8	1-3.4	0-1	0-0.7
St. Lucia (Hewanorra)	41-57	40-58	2.8-5.6	3.5-7.2	0.9-2.6	1-3.4	0-1	0-0.4
St. Maarten (TNCM)	29-45	27-49	1.8-4.7	1.9-5.9	0.4-2.6	0.4-3.3	0-1	0-0.3
St. Vincent (ET Joshua)	55-67	52-69	3-5.5	2.9-6.3	0.9-3	0.8-2.8	0-1.1	0-1.3
Suriname (Zanderij)	52-63	50-66	3.2-5.1	3.1-6	1.3-3.2	1.2-4.1	0-1	0-1.6
Tobago (ANR Robinson)	53-64	48-63	4.5-6.6	4.4-6.9	2.2-3.4	1.7-3.2	0-1.5	0-1.6
Trinidad (Piarco)	44-50	35-54	3.9-6	3.2-6.5	1.3-3.4	1.3-3.2	0-1	0-1.1

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



CARICOF
CARIBBEAN CLIMATE OUTLOOK FORUM

caricof@cimh.edu.bb

rcc.cimh.edu.bb

Caribbean Institute for Meteorology and Hydrology

TEL: (246) 425-1362/3 | FAX: (246) 424-4733