

Rainfall frequency and extreme forecasts

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wet days and wet spells outlooks

May to July 2016

Dr. Cedric VAN MEERBEECK¹ , Wazita Scott¹, Dr. Simon MASON²,
Ángel MUÑOZ², Dr. Teddy ALLEN², 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

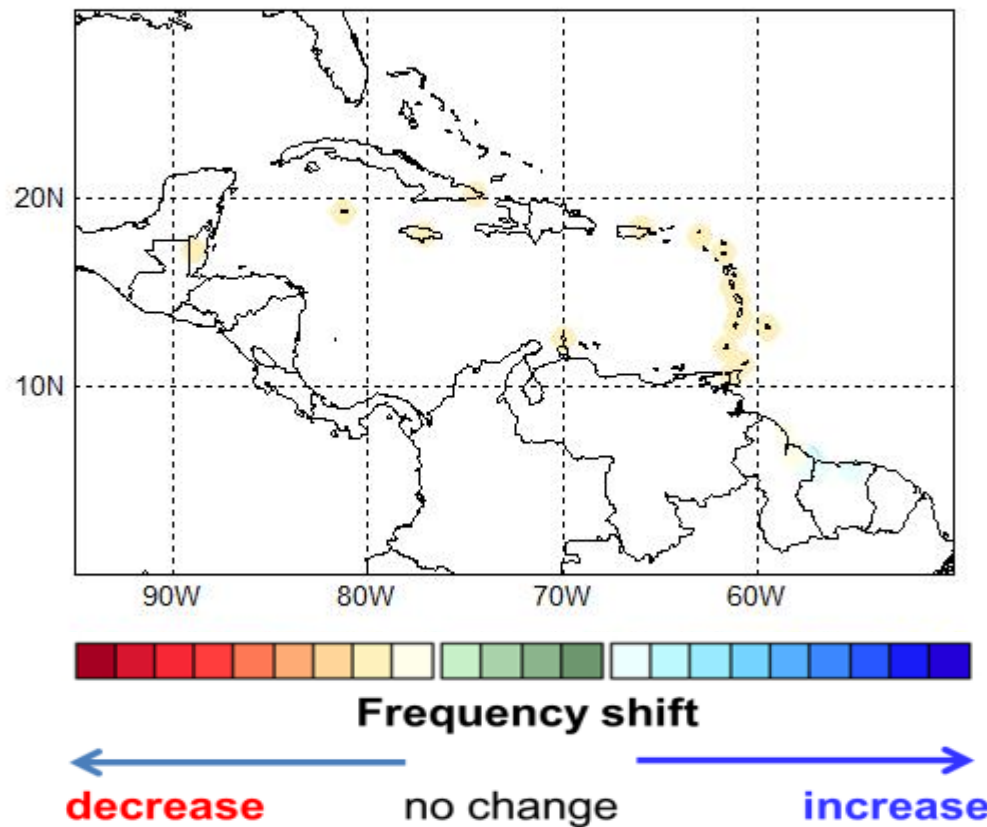
Forecast for: May to July 2016

USUALLY: Roughly, between 30 and 60 days during May-June-July are wet days.

FORECAST: MJJ rainfall is likely to be above- to normal in the north-western islands and the Guianas, but below- to normal in ABC Islands, Belize, Hispaniola and the US C'bean Territories. **Fewer wet days** (*low confidence*) are expected across the region.

IMPLICATION:
Decreasing surface dryness;
disruption of outdoor activities
on several occasions.

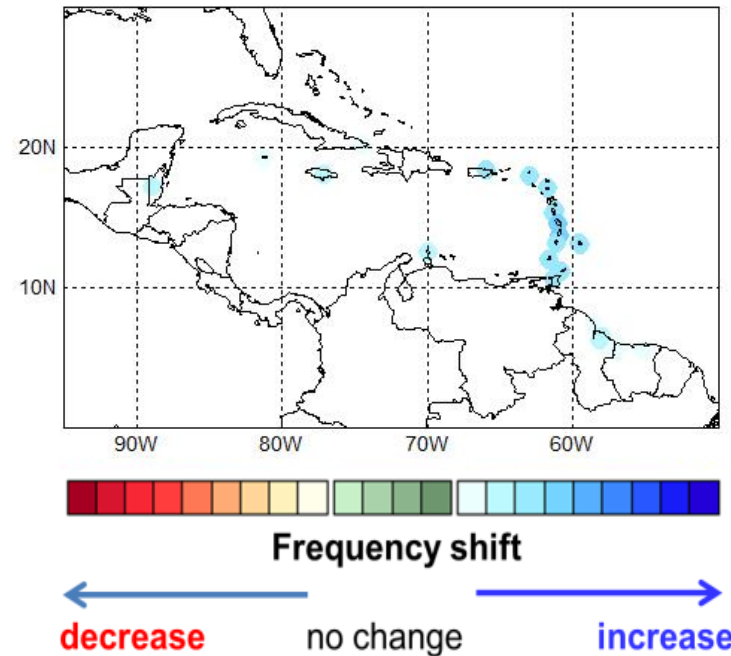
MJJ 2016 Wet Days Frequency Shift



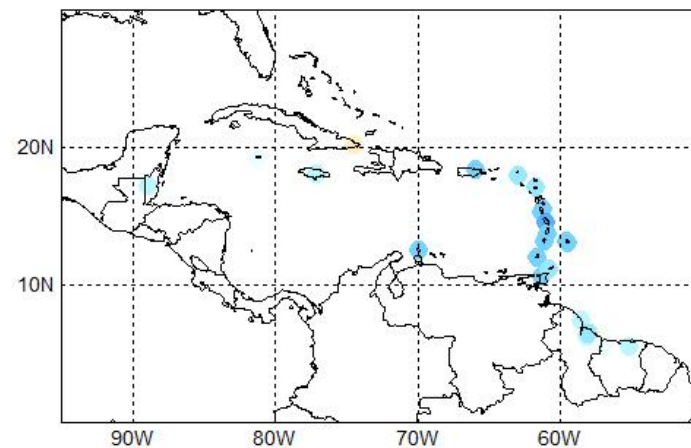
Wet spells frequency shifts

Forecast for: May to July 2016

MJJ 2016 frequency of 7-day wet spells



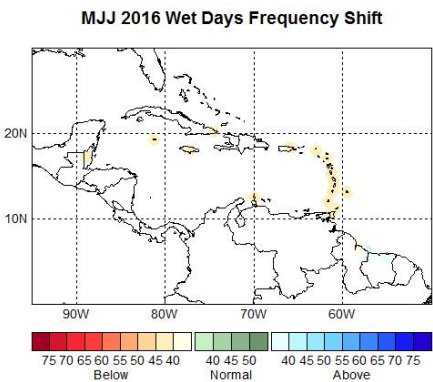
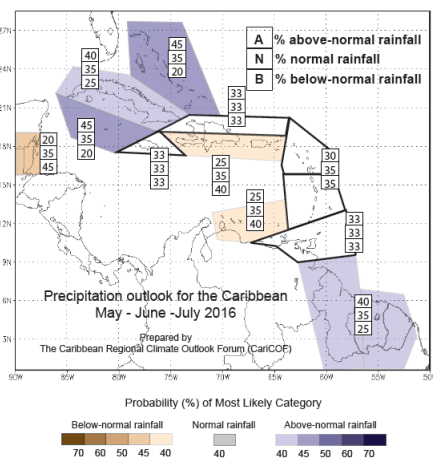
MJJ 2016 frequency of 7-day very wet spells



USUALLY: Roughly 2 to 6 wet spells occur between May & July, of which 1 to 4 are very wet.

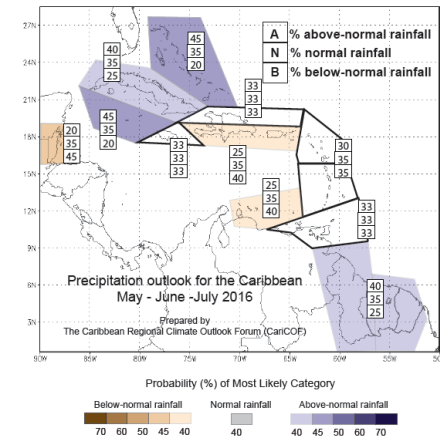
FORECAST: MJJ rainfall is likely to be above- to normal in the north-western islands and the Guianas, but below- to normal in ABC Islands, Belize, Hispaniola and the US C'bean Territories. Fewer wet days (*low confidence*) are expected across the region, but with more wet and very spells in the Lesser Antilles (*medium confidence*).

IMPLICATION:
Recharge of large water reservoirs after a prolonged drought.

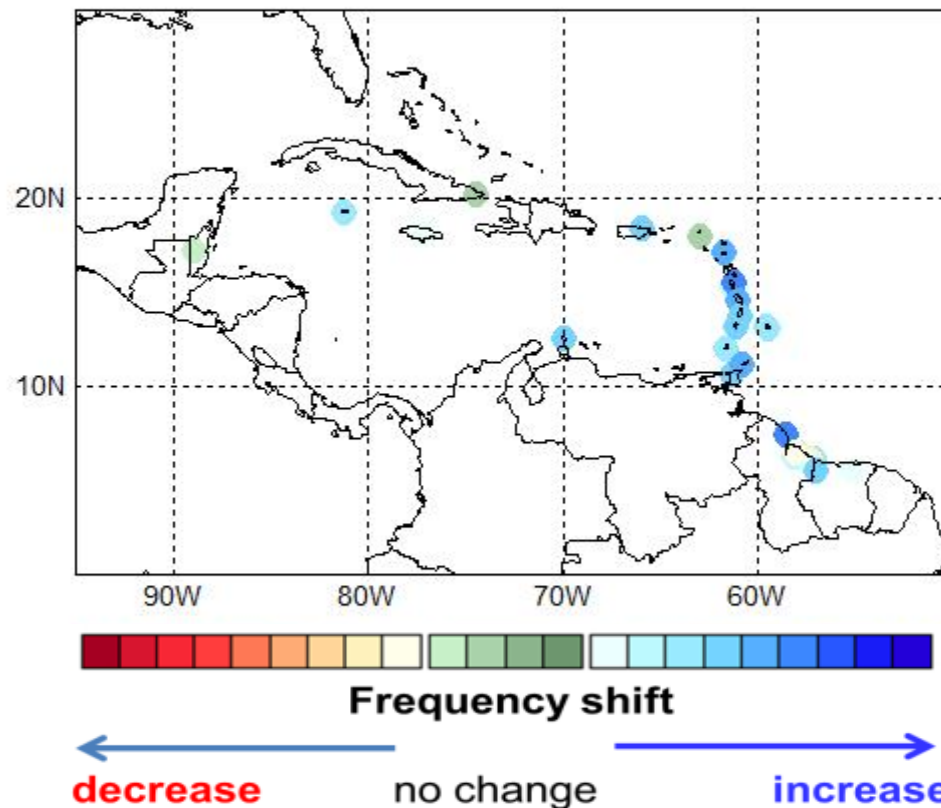
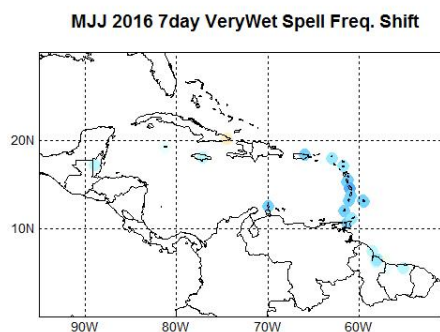
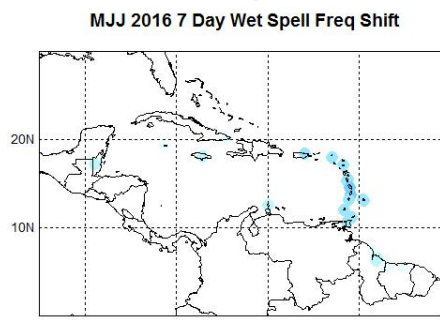
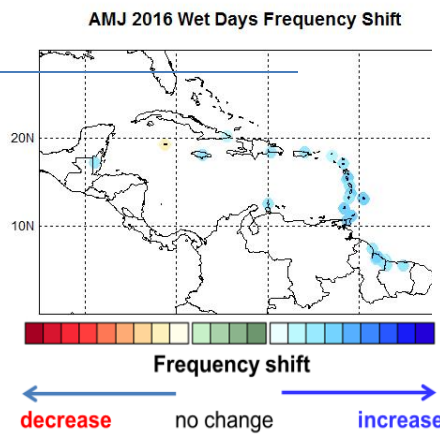


Extreme wet spells frequency shifts

Forecast for: May to July 2016



MJJ 2016 frequency of *extreme (top 1%)*
3-day wet spells



USUALLY: Up to 1 or 2 extreme wet spells between May & July.

FORECAST: MJJ rainfall is likely to be above- to normal in the north-western islands and the Guianas, but below- to normal in ABC Islands, Belize, Hispaniola and the US C'bean Territories. Fewer wet days (*low confidence*) are expected across the region, but with more wet and very spells in the Lesser Antilles (*medium confidence*) and increased chance of extreme wet spells, especially in the east (*medium to high confidence*).

IMPLICATION: Serious flash flood potential developing.

May to July 2016	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)		brown is a decrease in frequency, dark blue an increase, grey none are expected
	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast	
Antigua (VC Bird)	20-38	19-37	1.3-4.9	1.8-5.6	0.4-3.2	0.7-3.5	0-1	0-1.4	
Aruba (Beatrix)	6-13	5-13	0.4-2.6	0.7-3.2	0-1.4	0.4-1.7	0-1	0-0.7	
Barbados (CIMH)	24-42	22-40	1.3-5.2	2-5.9	0.4-2.4	0.9-2.9	0-1	0-0.6	
Barbados (GAIA)	26-45	25-42	2.1-4.7	2.3-5.5	0.4-2.6	0.8-3.1	0-1	0-1.4	
Belize (C. Farm)	28-40	27-41	2-5.1	2.4-5.5	1.1-3	1.2-3.5	0-1	0-1.4	
Cayman	24-36	22-38	2.9-5.5	2.7-6.1	1.1-3.4	1.2-3.6	0-1	0-1.5	
Cuba (Punta Maisi)	8-18	6-18	1.3-3.6	1-3.7	0.3-2.1	0-1.8	0-1	0-1	
Dom. Republic (Las Americas)									
Dominica (Canefield)	35-60	34-58	2.1-5.4	2.7-6.9	0.8-3.4	1.4-4.1	0-1.1	0-1.2	
Dominica (Douglas Charles)	45-66	43-66	1.7-5	2.1-6.1	0.5-2.3	0.9-3.4	0-1	0-1.8	
Grenada (MBIA)	30-48	28-46	2-4.9	2.3-6	0.7-2.7	1.1-3.6	0-1	0-1.4	
Guyana_73	30-42	29-44	3.9-6.9	3.7-6.9	1.6-3.4	1.4-4.5	0-1	0-1.5	
Guyana (Albion)	44-57	43-59	3.9-7.2	3.8-7.8	2-3.9	1.7-4.6	0-1.4	0-2.2	
Guyana (Blairmont)	50-67	49-68	3.4-7.4	3.7-7.7	1.3-4.9	1.4-4.9	0-2	0-1.5	
Guyana (Charity)	40-65	34-72	3.4-6.8	2.7-8	1.3-4.1	1.2-4.4	0-1	0-1.7	
Guyana (Enmore)	47-63	45-65	3.4-7	3.2-8.4	0.9-4.3	1-5.1	0-1.4	0-1.3	
Guyana (Georgetown)	54-68	52-71	3.4-7.3	3.8-7.8	1.3-4	1.5-5.4	0-1	0-1.3	
Guyana (New Amsterdam)	50-65	48-66	3.8-7.3	3.9-7.6	1.7-4.7	1.6-4.5	0-1.7	0-1.6	
Guyana (Skeldon)	49-63	47-65	3.7-7.3	3.7-7.5	1.7-4.4	1.6-4.6	0-2	0-2.1	
Guyana (Timehri)	56-71	56-74	3.9-7.3	3.7-7.2	1.7-4.3	1.5-4.7	0-2	0-2.2	
Guyana_Wales	55-69	54-71	3.7-7.4	3.8-8.4	0.9-4.6	1.3-6	0-2.3	0-1.9	
Jamaica (Worthy Park)	25-41	22-41	2.4-5.6	2.5-6.3	1.3-3	1.1-3.5	0-2	0-1.7	
Martinique (FDF Desaix)	42-59	39-58	2.1-5.1	2.6-6.1	0.7-3	1.1-3.5	0-1	0-1.4	
Puerto Rico (San Juan)	29-47	26-47	2.1-5.7	2.3-6.8	0.9-3.9	1.3-4.4	0-1	0-1.9	
St. Lucia (Hewanorra)	30-52	31-49	1.7-5.3	2.4-5.8	0.4-2.6	0.8-3.1	0-1	0-0.5	
St. Maarten (TNM)	24-39	21-38	1.1-4	1.6-4.7	0.4-3	0.6-3	0-1	0-0.7	
St. Vincent (ET Joshua)	44-66	42-61	2-5.1	2.1-5.7	0.7-2.9	0.9-3.4	0-1	0-1.3	
Suriname (Zanderij)	58-70	56-74	4.3-6.7	3.8-7.5	1.7-3.9	1.7-4.9	0-2	0-1.9	
Tobago (ANR Robinson)	40-57	39-56	3.3-6.2	3.4-6.4	1.3-3	1.6-3.3	0-1	0-1.4	
Trinidad (Piarco)	31-46	30-45	2.1-5.2	2.3-6.1	0.7-3	1-4.3	0-1	0-2	