

# Rainfall frequency and extreme forecasts

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## wet days and wet spells outlooks

### February to April 2016

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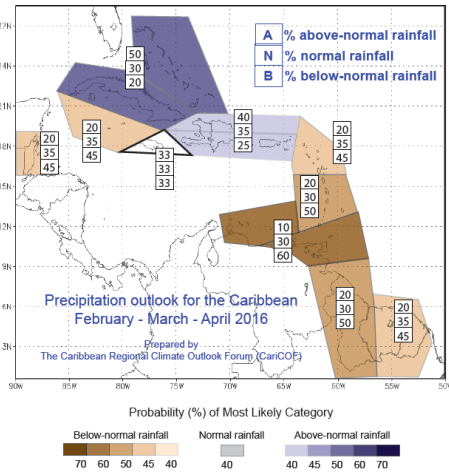
# Wet day frequency shifts

## Forecast for: February to April 2016

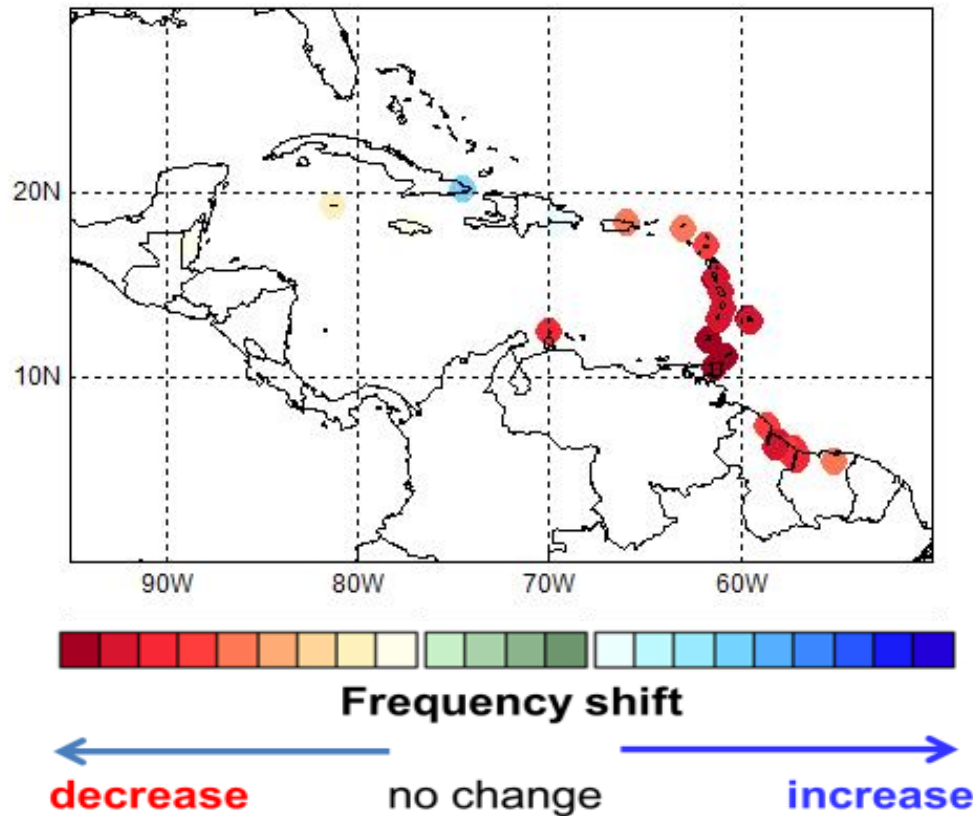
**USUALLY:** Number of wet days is low from February to April, except Guianas which, initially, are in their secondary wet season.

**FORECAST:** February to April rainfall expected to be below- to normal in eastern and southern Caribbean with fewer wet days (*high confidence*), but above- to normal in Cuba, parts of Hispaniola and Lucayan Islands.

**IMPLICATION:** Increasing surface dryness; fewer disruptions of outdoor activities and limited recharge of water reservoirs in Guianas.



FMA 2016 Wet Days Frequency Shift



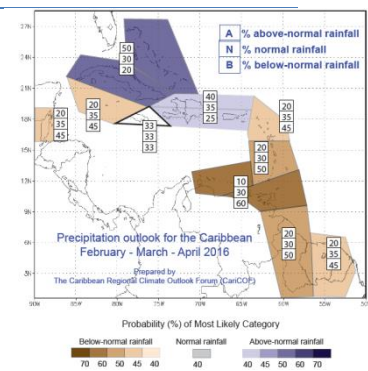
# Extreme wet spells frequency shifts

Forecast for: February to April 2016

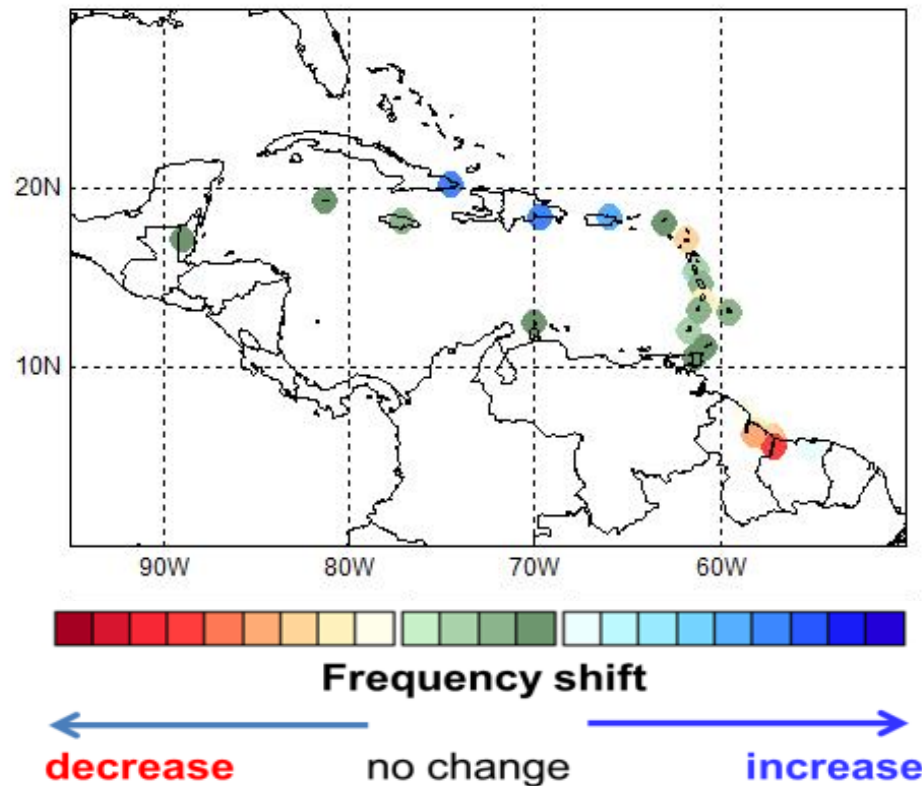
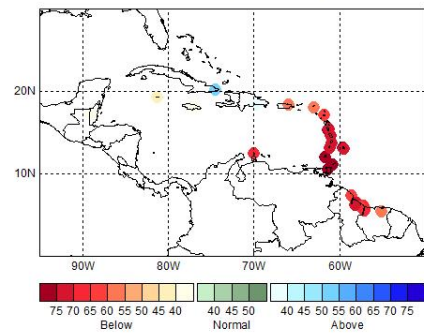
FMA 2015 frequency of *extreme (top 1%)*  
3-day wet spells

**USUALLY:** Very few wet spells occur between February and April, except in the Guianas.

**FORECAST:** February to April rainfall expected to be below- to normal in eastern and southern Caribbean with fewer wet days (*high confidence*), wet spells (*medium confidence*), and extreme wet spells (*medium confidence*) in the Guianas, but above- to normal in Cuba, parts of Hispaniola and Lucayan Islands.



FMA 2016 Wet Days Frequency Shift



February to April 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)	
	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast	Climatology	Forecast
	Antigua (VC Bird)	15-29	<b>13-25</b>	0.9-2.6	<b>0.5-2.6</b>	0.2-1.3	<b>0-1.3</b>	0-1
Aruba (Beatrix)	3-15	<b>0-9</b>	0.4-2.6	<b>0-2.1</b>	0-1.3	<b>0-0.8</b>	0-0	<b>0-0</b>
Barbados (CIMH)	15-30	<b>11-23</b>	0.4-1.7	<b>0-1.6</b>	0-0.9	<b>0-0.7</b>	0-0	<b>0-0</b>
Barbados (GAIA)	17-29	<b>12-25</b>	0.4-2.2	<b>0-1.8</b>	0-0.9	<b>0-0.9</b>	0-0	<b>0-0</b>
Belize (C. Farm)	9-19	<b>8-19</b>	0.4-1.5	<b>0-1.5</b>	0-0.9	<b>0-0.8</b>	0-0	<b>0-0</b>
Cayman	7-16	<b>6-17</b>	0-1.3	<b>0-1.5</b>	0-0.8	<b>0-0.9</b>		
Cuba (Punta Maisi)	10-18	<b>10-20</b>	1.7-3.3	<b>1.4-3.5</b>	0.4-1.9	<b>0.5-2</b>	0-1	<b>0-1</b>
Dominica (Canefield)	12-21	<b>12-23</b>	0-2.2	<b>0-1.7</b>	0.4-1.7	<b>0.2-1.5</b>	0-0	<b>0-0.2</b>
Dominica (Douglas Charles)	22-37	<b>14-29</b>	0.4-2.6	<b>0.4-2.6</b>	0-1.1	<b>0-0.9</b>	0-0	<b>0-0</b>
Dom. Republic (Las Americas)	37-56	<b>29-47</b>	0.9-2.4	<b>0.8-3</b>	0-1.7	<b>0-1.4</b>	0-0.5	<b>0-0.1</b>
Grenada (MBIA)	11-25	<b>8-16</b>	0-1.7	<b>0-1.6</b>	0-0.8	<b>0-0.7</b>	0-0	<b>0-0</b>
Guyana (Station 73)	14-27	<b>11-22</b>	0.9-4.3	<b>0-2.4</b>	0.4-2.8	<b>0-1.6</b>	0-1.5	<b>0-0</b>
Guyana (Albion)	22-38	<b>18-33</b>	0.9-3.5	<b>0-2.3</b>	0-2.2	<b>0-1.3</b>	0-1	<b>0-0.2</b>
Guyana (Blairmont)	23-45	<b>18-34</b>	0.9-3.7	<b>0-2.1</b>	0.2-1.7	<b>0-1.1</b>	0-1	<b>0-0</b>
Guyana (Charity)	19-35	<b>13-29</b>	0.9-2.6	<b>0-2.1</b>	0-1.7	<b>0-1.2</b>	0-1	<b>0-0.7</b>
Guyana (Enmore)	24-39	<b>20-31</b>	1.2-3	<b>0-2.3</b>	0.4-2.3	<b>0-1.4</b>	0-1.5	<b>0-0.4</b>
Guyana (Georgetown)	23-43	<b>18-32</b>	0.4-3.5	<b>0-1.7</b>	0-2.2	<b>0-1.3</b>	0-1	<b>0-0</b>
Guyana (New Amsterdam)	24-42	<b>18-35</b>	0.9-3.5	<b>0-2.1</b>	0.3-2.6	<b>0-1.3</b>	0-1	<b>0-0.1</b>
Guyana (Timehri)	21-42	<b>18-33</b>	0.9-3.9	<b>0-2.5</b>	0.2-2.7	<b>0-1.7</b>	0-1	<b>0-0</b>
Jamaica (Worthy Park)	23-46	<b>18-36</b>	0.4-3.2	<b>0-2</b>	0-1.9	<b>0-1.2</b>	0-1	<b>0-0</b>
Martinique (FDF Desaix)	14-25	<b>13-26</b>	0.9-3.2	<b>0.5-3.4</b>	0-2.1	<b>0-2</b>	0-0	<b>0-0</b>
Puerto Rico (San Juan)	30-47	<b>19-38</b>	0.2-1.9	<b>0-1.6</b>	0-1.1	<b>0-0.8</b>	0-0	<b>0-0</b>
St. Lucia (Hewanorra)	20-35	<b>18-32</b>	0.9-2.8	<b>0.9-3.4</b>	0.4-1.7	<b>0.2-1.8</b>	0-1	<b>0-1.3</b>
St. Maarten (TNCM)	21-37	<b>15-29</b>	0-2.6	<b>0-1.7</b>	0-1.3	<b>0-0.9</b>	0-1	<b>0-0</b>
St. Vincent (ET Joshua)	21-38	<b>18-33</b>	0.9-3.4	<b>0.5-3.1</b>	0.2-1.3	<b>0-1.2</b>	0-0	<b>0-0</b>
Suriname (Zanderij)	31-50	<b>22-42</b>	0-2.6	<b>0-2.1</b>	0-1.3	<b>0-0.9</b>	0-0	<b>0-0</b>
Tobago (ANR Robinson)	33-56	<b>30-49</b>	1.1-5	<b>0-3.2</b>	0.9-2.6	<b>0-2.4</b>	0-1	<b>0-1.1</b>
Trinidad (Piarco)	12-31	<b>8-18</b>	0-2.4	<b>0-1.6</b>	0-0.4	<b>0-0.4</b>	0-0	<b>0-0</b>

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