

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

June 2017

Station: Hato, Airport

Rain			
Rainfall total	:	32.7	mm
Rainfall percentage total/long-term average	:	46	%
Rainfall 24 hour's maximum date:	June 30	:	9.7 mm
Rainfall amount of days $\geq$ 1.0 mm	:	8	days
Hours with rainfall	:	25	hours
Hours with rainfall percentage/long-term average	:	-10	%
Rainfall cumulative	:	206.2	mm
Rainfall percentage cumulative/long-term average	:	32	%
Evaporation			
Evaporation daily average	:	8.9	mm
Evaporation monthly total	:	265.5	mm
Evaporation maximum/month date:	June 12	:	10.8 mm
Sunshine			
Sunshine duration monthly average	:	8 45	hours:min
Sunshine percentage total/normal	:	-2	%
Sunshine absolute max./month date	June 01	:	11 48 hours:min
Sunshine absolute min./month date:	June 14	:	4 24 hours:min
Solar radiation monthly average	:	2878	Whr/m <sup>2</sup> /day
Solar radiation absolute max./month date:	:	6781	Whr/m <sup>2</sup> /day
Solar radiation absolute min./month date:	:	171	Whr/m <sup>2</sup> /day
Temperature			
Temperature monthly average	:	28.6	°C
Temperature monthly maximum average	:	32.1	°C
Temp. abs. max. date/time:	June 16 11:25	:	33.2 °C
Temperature monthly minimum average	:	26.4	°C
Temp. abs. min. date/time:	June 21 0:15	:	24.8 °C
Relative humidity monthly	:	73.6	%
Wind			
Wind speed monthly average	:	12.3	kt
Wind speed avg. max	:	26.7	kt
Wind speed abs. max. date/time:	June 20 22:07	:	41.0 kt
Wind vector monthly average	:	104	°
Wind energy potential total *	:	119723	Whr/m <sup>2</sup>
Wind energy monthly average *	:	3991	Whr/m <sup>2</sup> /day
Wind energy potential maximum * date:	:	8395	Whr/m <sup>2</sup> /day
Wind energy potential minimum * date:	:	1995	Whr/m <sup>2</sup> /day
Remarks			
<p>The absolute maximum wind speed was extremely high. This was due to the remnants of tropical storm Bret which passed at a close distance of the island, Curacao. The relative humidity was extreme low for the month June 2017.</p>			

\* Wind energy at a height of 10 m for wind speeds of 4 m/s or more.

\*\* Sunshine duration in hrs (solar time)

\*\*\* Solar radiation (local time)

\_\_ Blank field - No data available

