

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

March 2017

Station: Hato, Airport

Rain			
Rainfall total	:	24.6	mm
Rainfall percentage total/long-term average	:	73	%
Rainfall 24 hour's maximum date:	March 01	:	8.7 mm
Rainfall amount of days $\geq$ 1.0 mm	:	7	days
Hours with rainfall	:	26	hours
Hours with rainfall percentage/long-term average	:	17	%
Rainfall cumulative	:	132.5	mm
Rainfall percentage cumulative/long-term average	:	43	%
Evaporation			
Evaporation daily average	:	6.2	mm
Evaporation monthly total	:	192.1	mm
Evaporation maximum/month date:	March 08	:	9.7 mm
Sunshine			
Sunshine duration monthly average	:	7 39	hours:min
Sunshine percentage total/normal	:	-13	%
Sunshine absolute max./month date	March 18	:	10 42 hours:min
Sunshine absolute min./month date:	March 24	:	0 48 hours:min
Solar radiation monthly average	:	5427	Whr/m <sup>2</sup> /dav
Solar radiation absolute max./month date:	March 18	:	7466 Whr/m <sup>2</sup> /dav
Solar radiation absolute min./month date:	March 24	:	1934 Whr/m <sup>2</sup> /dav
Temperature			
Temperature monthly average	:	27.2	°C
Temperature monthly maximum average	:	30.5	°C
Temp. abs. max. date/time:	March 19 12:40	:	32.3 °C
Temperature monthly minimum average	:	25.2	°C
Temp. abs. min. date/time:	March 16 7:57	:	23.8 °C
Relative humidity monthly	:	76.0	%
Wind			
Wind speed monthly average	:	12.0	kt
Wind speed avg. max	:	22.5	kt
Wind speed abs. max. date/time:	March 09 5:31	:	33.0 kt
Wind vector monthly average	:	84	°
Wind energy potential total *	:	111884	Whr/m <sup>2</sup>
Wind energy monthly average *	:	3609	Whr/m <sup>2</sup> /dav
Wind energy potential maximum * date:	:	8439	Whr/m <sup>2</sup> /dav
Wind energy potential minimum * date:	:	394	Whr/m <sup>2</sup> /dav
Remarks			
The rainfall amount was extreme for the month March 2017.			

\* 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

