

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

August 2017

Station: Hato, Airport

Rain			
Rainfall total	:	32.4	mm
Rainfall percentage total/long-term average	:	-18	%
Rainfall 24 hour's maximum date:	August 21	:	12.0 mm
Rainfall amount of days \geq 1.0 mm	:	6	days
Hours with rainfall	:	24	hours
Hours with rainfall percentage/long-term average	:	-20	%
Rainfall cumulative	:	272.1	mm
Rainfall percentage cumulative/long-term average	:	15	%
Evaporation			
Evaporation daily average	:	7.9	mm
Evaporation monthly total	:	245.0	mm
Evaporation maximum/month date:	August 23	:	15.0 mm
Sunshine			
Sunshine duration monthly average	:	9 19	hours:min
Sunshine percentage total/normal	:	-4	%
Sunshine absolute max./month date	August 22	:	11 24 hours:min
Sunshine absolute min./month date:	August 19	:	1 36 hours:min
Solar radiation monthly average	:	5727	Whr/m ² /dav
Solar radiation absolute max./month date:	:	7250	Whr/m ² /dav
Solar radiation absolute min./month date:	:	3420	Whr/m ² /dav
Temperature			
Temperature monthly average	:	29.2	°C
Temperature monthly maximum average	:	32.9	°C
Temp. abs. max. date/time:	August 24 12:39	:	34.9 °C
Temperature monthly minimum average	:	26.9	°C
Temp. abs. min. date/time:	August 04 4:15	:	24.2 °C
Relative humidity monthly	:	76.0	%
Wind			
Wind speed monthly average	:	10.9	kt
Wind speed avg. max	:	23.4	kt
Wind speed abs. max. date/time:	August 04 3:17	:	32.0 kt
Wind vector monthly average	:	102	°
Wind energy potential total *	:	83692	Whr/m ²
Wind energy monthly average *	:	2700	Whr/m ² /dav
Wind energy potential maximum * date:	:	5357	Whr/m ² /dav
Wind energy potential minimum * date:	:	627	Whr/m ² /dav
Remarks			
August 2017 will be characterised with 3 extremes. The temperature minimum average, wind speed average and the relative humidity.			

* 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

