

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

October 2017

Station: Hato, Airport

Rain			
Rainfall total	:	69.2	mm
Rainfall percentage total/long-term average	:	-32	%
Rainfall 24 hour's maximum date:	October 30	:	22.7 mm
Rainfall amount of days >= 1.0 mm	:	7	days
Hours with rainfall	:	25	hours
Hours with rainfall percentage/long-term average	:	-46	%
Rainfall cumulative	:	364.9	mm
Rainfall percentage cumulative/long-term average	:	-6	%
Evaporation			
Evaporation daily average	:	7.7	mm
Evaporation monthly total	:	239.9	mm
Evaporation maximum/month date:	October 17	:	13.4 mm
Sunshine			
Sunshine duration monthly average	:	9 6	hours:min
Sunshine percentage total/normal	:	14	%
Sunshine absolute max./month date:	October 05	:	10 48 hours:min
Sunshine absolute min./month date:	October 19	:	3 12 hours:min
Solar radiation monthly average	:	5163	Whr/m2 /day
Solar radiation absolute max./month date:	:	6912	Whr/m2 /day
Solar radiation absolute min./month date:	:	2604	Whr/m2 /day
Temperature			
Temperature monthly average	:	29.0	°C
Temperature monthly maximum average	:	32.7	°C
Temp. abs. max. date/time:	October 05 13:16	:	35.4 °C
Temperature monthly minimum average	:	26.5	°C
Temp. abs. min. date/time:	October 29 18:49	:	24.2 °C
Relative humidity monthly	:	75.3	%
Wind			
Wind speed monthly average	:	10.4	kt
Wind speed avg. max	:	22.4	kt
Wind speed abs. max. date/time:	October 04 12:32	:	33.0 kt
Wind vector monthly average	:	106	°
Wind energy potential total *	:	86477	Whr/m2
Wind energy monthly average *	:	2790	Whr/m2 /day
Wind energy potential maximum * date:	:	8808	Whr/m2 /day
Wind energy potential minimum * date:	:	120	Whr/m2 /day
Remarks			

The average, absolute maximum and minimum temperature were extremely high in comparison with the 30 year average. The relative humidity was also extremely low (79.6% avg 30 yr).

\* 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

