

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

September 2017

Station: Hato, Airport

Rain			
Rainfall total	:	23.6	mm
Rainfall percentage total/long-term average	:	-54	%
Rainfall 24 hour's maximum date:	September 01	:	12.2 mm
Rainfall amount of days >= 1.0 mm	:	3	days
Hours with rainfall	:	9	hours
Hours with rainfall percentage/long-term average	:	-69	%
Rainfall cumulative	:	295.7	mm
Rainfall percentage cumulative/long-term average	:	3	%
Evaporation			
Evaporation daily average	:	9.2	mm
Evaporation monthly total	:	274.4	mm
Evaporation maximum/month date:	September 26	:	14.0 mm
Sunshine			
Sunshine duration monthly average	:	9 17	hours:min
Sunshine percentage total/normal	:	5	%
Sunshine absolute max./month date:	September 05	:	11 24 hours:min
Sunshine absolute min./month date:	September 09	:	0 0 hours:min
Solar radiation monthly average	:	5881	Whr/m2 /day
Solar radiation absolute max./month date:	:	7301	Whr/m2 /day
Solar radiation absolute min./month date:	:	2087	Whr/m2 /day
Temperature			
Temperature monthly average	:	29.8	°C
Temperature monthly maximum average	:	34.0	°C
Temp. abs. max. date/time:	September 07 13:56	:	36.8 °C
Temperature monthly minimum average	:	27.2	°C
Temp. abs. min. date/time:	September 06 6:38	:	25.4 °C
Relative humidity monthly	:	73.0	%
Wind			
Wind speed monthly average	:	9.6	kt
Wind speed avg. max	:	21.4	kt
Wind speed abs. max. date/time:	September 09 5:22	:	27.0 kt
Wind vector monthly average	:	105	°
Wind energy potential total *	:	66387	Whr/m2
Wind energy monthly average *	:	2213	Whr/m2 /day
Wind energy potential maximum * date:	:	5280	Whr/m2 /day
Wind energy potential minimum * date:	:	144	Whr/m2 /day
Remarks			

All temperatures were extremely high in comparison with the 30 year averages. Wind speeds were also extremely low. September marks the hottest month of the year and ranks as second hottest month on record.

* 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

