

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

September 2019

Station: Hato, Airport

Rain			
Rainfall total	:	50.4 (31.5)	mm
Rainfall percentage total/long-term average	:	-2 (-39)	%
Rainfall 24 hour's maximum date:	September 22	:	16.9 (7.6) mm
Rainfall amount of days \geq 1.0 mm	:	7 (6)	days
Hours with rainfall	:	25 (14)	hours
Hours with rainfall percentage/long-term average	:	-15 (-52)	%
Rainfall cumulative	:	135.8 (260.2)	mm
Rainfall percentage cumulative/long-term average	:	-53 (-10)	%
Evaporation			
Evaporation daily average	:	8.5 (7.4)	mm
Evaporation monthly total	:	254.5 (220.5)	mm
Evaporation maximum/month date:	September 26	:	12.6 (12.6) mm
Sunshine			
Sunshine duration monthly average	:	9 36	hours:min
Sunshine percentage total/normal	:		%
Sunshine absolute max./month date	September 07	:	11 18 hours:min
Sunshine absolute min./month date:	September 21	:	5 18 hours:min
Solar radiation monthly average	:	18753	Whr/m ² /dav
Solar radiation absolute max./month date:	September 29	:	69951 Whr/m ² /dav
Solar radiation absolute min./month date:	September 12	:	5004 Whr/m ² /dav
Temperature			
Temperature monthly average	:	29.4 (29.2)	°C
Temperature monthly maximum average	:	33.2 (33.2)	°C
Temp. abs. max. date/time:	September 07 13:06	:	36.2 (35.1) °C
Temperature monthly minimum average	:	26.9 (26.8)	°C
Temp. abs. min. date/time:	September 20 3:03	:	23.8 (24.9) °C
Relative humidity monthly	:	73.9 (73.0)	%
Wind			
Wind speed monthly average	:	10.2 (11.3)	kt
Wind speed avg. max	:	21.8 (23.4)	kt
Wind speed abs. max. date/time:	September 25 21:13	:	37.0 (37.0) kt
Wind vector monthly average	:	104 (102)	°
Wind energy potential total *	:	84968 (97897)	Whr/m ²
Wind energy monthly average *	:	3035 (3263)	Whr/m ² /dav
Wind energy potential maximum * date:	:	6374 (6154)	Whr/m ² /dav
Wind energy potential minimum * date:	:	170 (191)	Whr/m ² /dav
Remarks			

The maximum temperature was extremely high. The humidity was extremely low. The absolute wind speed was extremely high. All in comparison with the 30 year average.

* 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

() Same month previous year data

