

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

September 2018

Station: Hato, Airport

Rain			
Rainfall total	:	31.5 (23.6)	mm
Rainfall percentage total/long-term average	:	-39 (-54)	%
Rainfall 24 hour's maximum date:	September 30	:	7.6 (12.2) mm
Rainfall amount of days >= 1.0 mm	:	6 (3)	days
Hours with rainfall	:	14 (9)	hours
Hours with rainfall percentage/long-term average	:	-52 (-69)	%
Rainfall cumulative	:	260.2 (290.7)	mm
Rainfall percentage cumulative/long-term average	:	-10 (1)	%
Evaporation			
Evaporation daily average	:	7.4 (9.2)	mm
Evaporation monthly total	:	220.5 (274.4)	mm
Evaporation maximum/month date:	September 16	:	12.6 (14.0) mm
Sunshine			
Sunshine duration monthly average	:	9 9	hours:min
Sunshine percentage total/normal	:		%
Sunshine absolute max./month date	September 08	:	11 12 hours:min
Sunshine absolute min./month date:	September 14	:	3 48 hours:min
Solar radiation monthly average	:	5063	Whr/m ² /dav
Solar radiation absolute max./month date:	September 08	:	6251 Whr/m ² /dav
Solar radiation absolute min./month date:	September 14	:	3400 Whr/m ² /dav
Temperature			
Temperature monthly average	:	29.2 (29.8)	°C
Temperature monthly maximum average	:	33.2 (34.0)	°C
Temp. abs. max. date/time:	September 15 13:31	:	35.1 (36.8) °C
Temperature monthly minimum average	:	26.8 (27.2)	°C
Temp. abs. min. date/time:	September 23 2:49	:	24.9 (25.4) °C
Relative humidity monthly	:	73.0 (73.0)	%
Wind			
Wind speed monthly average	:	11.3 (9.6)	kt
Wind speed avg. max	:	23.4 (21.4)	kt
Wind speed abs. max. date/time:	September 30 7:13	:	37.0 (27.0) kt
Wind vector monthly average	:	102 (105)	°
Wind energy potential total *	:	97897 (66387)	Whr/m ²
Wind energy monthly average *	:	3263 (2213)	Whr/m ² /dav
Wind energy potential maximum * date:	:	6154 (5280)	Whr/m ² /dav
Wind energy potential minimum * date:	:	191 (144)	Whr/m ² /dav
Remarks			

The month of September has 2 extremes. The humidity and the absolute maximum wind speed were extremely high in comparison with 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

