

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

March 2019

Station: Hato, Airport

Rain			
Rainfall total	:	28.9 (1.2)	mm
Rainfall percentage total/long-term average	:	103 (-92)	%
Rainfall 24 hour's maximum date:	March 12	:	18.7 (1.2) mm
Rainfall amount of days \geq 1.0 mm	:	4 (1)	days
Hours with rainfall	:	21 (1)	hours
Hours with rainfall percentage/long-term average	:	-5 (-96)	%
Rainfall cumulative	:	36.6 (134.3)	mm
Rainfall percentage cumulative/long-term average	:	-61 (44)	%
Evaporation			
Evaporation daily average	:	6.6 (7.7)	mm
Evaporation monthly total	:	205.4 (239.3)	mm
Evaporation maximum/month date:	March 25	:	10.3 (16.9) mm
Sunshine			
Sunshine duration monthly average	:	8 41	hours:min
Sunshine percentage total/normal	:		%
Sunshine absolute max./month date	March 04	:	10 30 hours:min
Sunshine absolute min./month date:	March 31	:	4 0 hours:min
Solar radiation monthly average	:	4985	Whr/m ² /dav
Solar radiation absolute max./month date:	March 12	:	6046 Whr/m ² /dav
Solar radiation absolute min./month date:	March 21	:	3615 Whr/m ² /dav
Temperature			
Temperature monthly average	:	27.0 (27.0)	°C
Temperature monthly maximum average	:	30.6 (30.5)	°C
Temp. abs. max. date/time:	March 23 12:58	:	31.8 (31.5) °C
Temperature monthly minimum average	:	24.9 (24.9)	°C
Temp. abs. min. date/time:	March 03 5:20	:	23.5 (21.8) °C
Relative humidity monthly	:	72.8 (72.9)	%
Wind			
Wind speed monthly average	:	12.1 (12.5)	kt
Wind speed avg. max	:	23.9 (24.2)	kt
Wind speed abs. max. date/time:	March 05 13:08	:	31.0 (36.0) kt
Wind vector monthly average	:	101 (99)	°
Wind energy potential total *	:	112745 (134319)	Whr/m ²
Wind energy monthly average *	:	3637 (4333)	Whr/m ² /dav
Wind energy potential maximum * date:	:	6322 (9721)	Whr/m ² /dav
Wind energy potential minimum * date:	:	2219 (122)	Whr/m ² /dav
Remarks			

The total and the maximum 24 hour rainfall were extremely high 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

