

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

August 2019

Station: Hato, Airport

Rain			
Rainfall total	:	19.6	( 21.5 ) mm
Rainfall percentage total/long-term average	:	-51	( -46 ) %
Rainfall 24 hour's maximum date:	August 18	:	14.6 ( 12.1 ) mm
Rainfall amount of days $\geq$ 1.0 mm	:	3	( 4 ) days
Hours with rainfall	:	13	( 14 ) hours
Hours with rainfall percentage/long-term average	:	-57	( -53 ) %
Rainfall cumulative	:	85.4	( 228.7 ) mm
Rainfall percentage cumulative/long-term average	:	-64	( -3 ) %
Evaporation			
Evaporation daily average	:	8.9	( 7.9 ) mm
Evaporation monthly total	:	276.1	( 243.2 ) mm
Evaporation maximum/month date:	August 22	:	12.0 ( 10.3 ) mm
Sunshine			
Sunshine duration monthly average	:	10 0	hours:min
Sunshine percentage total/normal	:		%
Sunshine absolute max./month date	August 07	:	11 48 hours:min
Sunshine absolute min./month date:	August 15	:	0 30 hours:min
Solar radiation monthly average	:	10729	Whr/m <sup>2</sup> /dav
Solar radiation absolute max./month date:	August 28	:	24871 Whr/m <sup>2</sup> /dav
Solar radiation absolute min./month date:	August 15	:	4225 Whr/m <sup>2</sup> /dav
Temperature			
Temperature monthly average	:	29.3	( 28.8 ) °C
Temperature monthly maximum average	:	32.8	( 32.3 ) °C
Temp. abs. max. date/time:	August 06 14:02	:	35.3 ( 34.5 ) °C
Temperature monthly minimum average	:	27.2	( 26.5 ) °C
Temp. abs. min. date/time:	August 18 4:48	:	24.0 ( 23.1 ) °C
Relative humidity monthly	:	71.4	( 72.5 ) %
Wind			
Wind speed monthly average	:	13.8	( 12.9 ) kt
Wind speed avg. max	:	25.7	( 24.5 ) kt
Wind speed abs. max. date/time:	August 06 15:40	:	36.0 ( 30.0 ) kt
Wind vector monthly average	:	108	( 105 ) °
Wind energy potential total *	:	166876	( 136635 ) Whr/m <sup>2</sup>
Wind energy monthly average *	:	5383	( 4408 ) Whr/m <sup>2</sup> /dav
Wind energy potential maximum * date:	:	9583	( 7470 ) Whr/m <sup>2</sup> /dav
Wind energy potential minimum * date:	:	2079	( 2413 ) Whr/m <sup>2</sup> /dav
Remarks			

\* 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

