

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

July 2017

Station: Hato, Airport

Rain			
Rainfall total	:	33.5	mm
Rainfall percentage total/long-term average	:	-19	%
Rainfall 24 hour's maximum date:	July 20	:	11.8 mm
Rainfall amount of days $\geq$ 1.0 mm	:	5	days
Hours with rainfall	:	10	hours
Hours with rainfall percentage/long-term average	:	-72	%
Rainfall cumulative	:	239.7	mm
Rainfall percentage cumulative/long-term average	:	22	%
Evaporation			
Evaporation daily average	:	7.8	mm
Evaporation monthly total	:	241.8	mm
Evaporation maximum/month date:	July 08	:	15.3 mm
Sunshine			
Sunshine duration monthly average	:	9 53	hours:min
Sunshine percentage total/normal	:	6	%
Sunshine absolute max./month date	July 13	:	11 30 hours:min
Sunshine absolute min./month date:	July 19	:	0 42 hours:min
Solar radiation monthly average	:	5638	Whr/m <sup>2</sup> /dav
Solar radiation absolute max./month date:	:	7266	Whr/m <sup>2</sup> /dav
Solar radiation absolute min./month date:	:	1278	Whr/m <sup>2</sup> /dav
Temperature			
Temperature monthly average	:	28.8	°C
Temperature monthly maximum average	:	32.3	°C
Temp. abs. max. date/time:	July 28 13:08	:	34.2 °C
Temperature monthly minimum average	:	26.4	°C
Temp. abs. min. date/time:	July 30 18:16	:	23.9 °C
Relative humidity monthly	:	76.1	%
Wind			
Wind speed monthly average	:	11.9	kt
Wind speed avg. max	:	24.6	kt
Wind speed abs. max. date/time:	July 10 6:39	:	31.0 kt
Wind vector monthly average	:	106	°
Wind energy potential total *	:	108249	Whr/m <sup>2</sup>
Wind energy monthly average *	:	3492	Whr/m <sup>2</sup> /dav
Wind energy potential maximum * date:	:	5797	Whr/m <sup>2</sup> /dav
Wind energy potential minimum * date:	:	1273	Whr/m <sup>2</sup> /dav
Remarks			
The relative humidity was extremely low and the minimum average temperature was extremely high for the month July 2017.			

\* 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

