

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

October 2018

Station: Hato, Airport

### Rain

Rainfall total	:	261.5	(	69.2	)	mm	
Rainfall percentage total/long-term average	:	158	(	-32	)	%	
Rainfall 24 hour's maximum date:	October 05	:	74.1	(	22.7	)	mm
Rainfall amount of days >= 1.0 mm	:	13	(	7	)	days	
Hours with rainfall	:	11	(	25	)	hours	
Hours with rainfall percentage/long-term average	:	-76	(	-46	)	%	
Rainfall cumulative	:	521.7	(	359.9	)	mm	
Rainfall percentage cumulative/long-term average	:	34	(	-8	)	%	

### Evaporation

Evaporation daily average	:	4.5	(	8.0	)	mm	
Evaporation monthly total	:	139.0	(	247.1	)	mm	
Evaporation maximum/month date:	October 31	:	10.6	(	13.4	)	mm

### Sunshine

Sunshine duration monthly average	:	7	2	hours:min	
Sunshine percentage total/normal	:			%	
Sunshine absolute max./month date	October 29	:	11	6	hours:min
Sunshine absolute min./month date:	October 05	:	0	0	hours:min
Solar radiation monthly average	:	3940		Whr/m <sup>2</sup> /dav	
Solar radiation absolute max./month date:	October 15	:	5504		Whr/m <sup>2</sup> /dav
Solar radiation absolute min./month date:	October 10	:	849		Whr/m <sup>2</sup> /dav

### Temperature

Temperature monthly average	:	28.1	(	29.0	)	°C	
Temperature monthly maximum average	:	31.0	(	32.7	)	°C	
Temp. abs. max. date/time:	October 02 10:20	:	32.8	(	35.4	)	°C
Temperature monthly minimum average	:	25.6	(	26.5	)	°C	
Temp. abs. min. date/time:	October 14 2:09	:	21.5	(	24.2	)	°C
Relative humidity monthly	:	78.5	(	75.3	)	%	

### Wind

Wind speed monthly average	:	9.5	(	10.4	)	kt	
Wind speed avg. max	:	21.8	(	22.4	)	kt	
Wind speed abs. max. date/time:	October 14 0:44	:	31.0	(	33.0	)	kt
Wind vector monthly average	:	98	(	106	)	°	
Wind energy potential total *	:	59532	(	86477	)	Whr/m <sup>2</sup>	
Wind energy monthly average *	:	1920	(	2790	)	Whr/m <sup>2</sup> /dav	
Wind energy potential maximum * date:	:	4663	(	8808	)	Whr/m <sup>2</sup> /dav	
Wind energy potential minimum * date:	:	347	(	120	)	Whr/m <sup>2</sup> /dav	

### Remarks

A remarkable month with one record. The maximum average and absolute temperature were extremely high. The average minimum temperature was extremely low. The absolute minimum temperature broke the absolute 30 year minimum temperature (21.9 °C) for the month of october with 0.4 °C. The amount of rainfall was extremely high and took the third place within the 30 years. The rainfall record is still 373.1 mm for the month of October. The 24hr max rainfall was also extremely high.

\* 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

