

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

April 2016

Station: HATO, Airport

RAIN			
Rainfall total		2.0	mm
Rainfall percentage total /(long-term average)		-90	%
Rainfall 24 hour's maximum date:	11-Apr	2.0	mm
Rainfall amount of days >= 1.0 mm		1	
Hours with rainfall		2	hrs
Hours with rainfall percentage / (long-term average)		-91	
Rainfall cumulative	January till April	19.3	mm
Rainfall percentage cumulative / (long-term average)		-83	%

EVAPORATION			
Evaporation daily average		-	mm
Evaporation monthly total		-	mm
Evaporation maximum / month date:	-	-	mm

SUNSHINE				
Sunshine duration monthly average		8	50	hrs min
Sunshine percentage total / normal		-2.7		%
Sunshine absolute max. / month date:	13-Apr	11	6	hrs min
Sunshine absolute min. / month date:	20-Apr	2	0	hrs min
Solar radiation monthly average		5652	Whr /	m ² /day
Solar radiation absolute max. / month date:		7961	Whr /	m ² /day
Solar radiation absolute min. / month date:		3033	Whr /	m ² /day

TEMPERATURE				
Temperature monthly average		28.3		°C
Temperature monthly max. average		31.7		°C
Temperature absolute max. date / time:	27-Apr	13:50	32.9	°C
Temperature monthly min. average		26.5		°C
Temperature absolute min. date / time:	14-Apr	6:17	24.5	°C
Relative humidity monthly average		79.6		%

WIND				
Wind speed monthly average		11.5		kts
Wind speed average max.		21.6		kts
Wind speed absolute max. date / time:	23-Apr	11:24	30	kts
Wind vector monthly average		89		°
Wind energy potential total *		96	KWhr /	m ²
Wind energy monthly average *		3188	Whr /	m ² /day
Wind energy potential maximum * date:	21-Apr	5694	Whr /	m ² /day
Wind energy potential minimum * date:	13-Apr	853	Whr /	m ² /day

REMARKS

Compared to the amount of the 30 year average rainfall it can be concluded that this month was extremely dry. The monthly average temperature and the minimum temperature were extremely high. As a matter of fact, a new record for the minimum average temperature has been established for the month of April (26.5 °C) with an 0.1 °C increase. Even the average maximum wind speed for this month was extremely high.

* Wind energy at a height of 10 m for windspeeds of 4 m/s or more.

** Sunshine duration in hrs (solar time)

*** Solar radiation (local time)

_ Blank field - No data available

