

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

Oktober 2016

Station: HATO, Airport

RAIN			
Rainfall total		36.9	mm
Rainfall percentage total / (long-term average)		-64	%
Rainfall 24 hour's maximum date:	19-Oct	17.6	mm
Rainfall amount of days \geq 1.0 mm		7	day(s)
Hours with rainfall		18	hrs
Hours with rainfall percentage / (long-term average)		-61	%
Rainfall cumulative	January till Oktober	152.6	mm
Rainfall percentage cumulative / (long-term average)		-61	%

EVAPORATION			
Evaporation daily average		7.1	mm
Evaporation monthly total		220.9	mm
Evaporation maximum / month date:	6-Oct	15.0	mm

SUNSHINE				
Sunshine duration monthly average		8	55	hrs min
Sunshine percentage total / normal		11.5		%
Sunshine absolute max. / month date:	5-Oct	10	54	hrs min
Sunshine absolute min. / month date:	1-Oct	0	0	hrs min
Solar radiation monthly average		5089	Whr /	m ² /day
Solar radiation absolute max. / month date:		6378	Whr /	m ² /day
Solar radiation absolute min. / month date:		1965	Whr /	m ² /day

TEMPERATURE				
Temperature monthly average		29.4		°C
Temperature monthly max. average		33.0		°C
Temperature absolute max. date / time:	3-Oct	13:32	35.8	°C
Temperature monthly min. average		26.9		°C
Temperature absolute min. date / time:	19-Oct	0:00	23.3	°C
Relative humidity monthly average		77.7		%

WIND				
Wind speed monthly average		9.5		kts
Wind speed average max.		20.8		kts
Wind speed absolute max. date / time:	1-Oct	12:35	31	kts
Wind vector monthly average		97		°
Wind energy potential total *		65	KWhr /	m ²
Wind energy monthly average *		2111	Whr /	m ² /day
Wind energy potential maximum * date:	1-Oct	6981	Whr /	m ² /day
Wind energy potential minimum * date:	18-Oct	43	Whr /	m ² /day

REMARKS

The amount of rainfall was below normal. All temperature measurements except absolute minimum were extremely high, compared to the 30 years average. The wind average was also below normal. As observed the sunshine duration total was 11.5% above normal, making it in combination with a below normal wind average and high temperatures, Oktober 2016 very warm and uncomfortable.

* 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

