

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

**March 2016**

**Station: HATO, Airport**

<b>RAIN</b>			
Rainfall total		5.0	mm
Rainfall percentage total /(long-term average)		-65	
Rainfall 24 hour's maximum date:	10-Mar	5.0	mm
Rainfall amount of days >= 1.0 mm		1	
Hours with rainfall		9	hrs
Hours with rainfall percentage / (long-term average)		-59	
Rainfall cumulative	January till March	17.3	mm
Rainfall percentage cumulative / (long-term average)		-81	

<b>EVAPORATION</b>			
Evaporation daily average		9.0	mm
Evaporation monthly total		280.4	mm
Evaporation maximum / month date:	8-Mar	11.9	mm

<b>SUNSHINE</b>				
Sunshine duration monthly average		9	53	hrs min
Sunshine percentage total / normal		12.5		%
Sunshine absolute max. / month date:	8-Mar	11	6	hrs min
Sunshine absolute min. / month date:	10-Mar	7	6	hrs min
Solar radiation monthly average		6199	Whr /	m <sup>2</sup> /day
Solar radiation absolute max. / month date:		7313	Whr /	m <sup>2</sup> /day
Solar radiation absolute min. / month date:		4745	Whr /	m <sup>2</sup> /day

<b>TEMPERATURE</b>				
Temperature monthly average		27.7		°C
Temperature monthly max. average		31.2		°C
Temperature absolute max. date / time:	22-Mar	12:27	32.7	°C
Temperature monthly min. average		25.7		°C
Temperature absolute min. date / time:	10-Mar	5:18	24.1	°C
Relative humidity monthly average		75.2		%

<b>WIND</b>				
Wind speed monthly average		13.0		kts
Wind speed average max.		23.6		kts
Wind speed absolute max. date / time:	10-Mar	13:26	33	kts
Wind vector monthly average		87		°
Wind energy potential total *		143	KWhr /	m <sup>2</sup>
Wind energy monthly average *		4623	Whr /	m <sup>2</sup> /day
Wind energy potential maximum * date:	10-Mar	9302	Whr /	m <sup>2</sup> /day
Wind energy potential minimum * date:	7-Mar	1020	Whr /	m <sup>2</sup> /day

**REMARKS**  
 All temperature parameters except for maximum average were extremely high in comparison with the 30 year average.

- \* 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

