

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

**January 2017**

**Station: HATO, Airport**

<b>RAIN</b>			
Rainfall total		96.8	mm
Rainfall percentage total /(long-term average)		110	%
Rainfall 24 hour's maximum date:	13-Jan	21.4	mm
Rainfall amount of days $\geq$ 1.0 mm		13	
Hours with rainfall		85	hrs
Hours with rainfall percentage / (long-term average)		40	%
Rainfall cumulative	January till January	96.8	mm
Rainfall percentage cumulative / (long-term average)		110	%

<b>EVAPORATION</b>			
Evaporation daily average		5.1	mm
Evaporation monthly total		156.5	mm
Evaporation maximum / month date:	7-Jan	9.5	mm

<b>SUNSHINE</b>				
Sunshine duration monthly average		8	19	hrs min
Sunshine percentage total / normal		-2.1		%
Sunshine absolute max. / month date:	4-Jan	10	24	hrs min
Sunshine absolute min. / month date:	7-Jan	3	12	hrs min
Solar radiation monthly average		4683	Whr /	m <sup>2</sup> /day
Solar radiation absolute max. / month date:		6098	Whr /	m <sup>2</sup> /day
Solar radiation absolute min. / month date:		2913	Whr /	m <sup>2</sup> /day

<b>TEMPERATURE</b>				
Temperature monthly average		26.2		°C
Temperature monthly max. average		29.0		°C
Temperature absolute max. date / time:	5-Jan	13:03	29.9	°C
Temperature monthly min. average		23.9		°C
Temperature absolute min. date / time:	10-Jan	0:44	21.9	°C
Relative humidity monthly average		79.5		%

<b>WIND</b>				
Wind speed monthly average		10.6		kts
Wind speed average max.		23.6		kts
Wind speed absolute max. date / time:	16-Jan	9:52	33	kts
Wind vector monthly average		86		°
Wind energy potential total *		80	KWhr /	m <sup>2</sup>
Wind energy monthly average *		2576	Whr /	m <sup>2</sup> /day
Wind energy potential maximum * date:	13-Jan		6103	Whr / m <sup>2</sup> /day
Wind energy potential minimum * date:	24-Jan		393	Whr / m <sup>2</sup> /day

**REMARKS**

Rainfall was extremely high in comparison with 30 year averages.  
 The absolute maximum temperature was extreme, below the 30 year Climatological data and the absolute min temperature almost reach the 30 years absolute minimum. In conclusion temperatures in January were cooler than normal.  
 Wind speed monthly average was extremely low in comparison with the 30 year averages.

\* 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

