

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

**February 2016**

**Station: HATO, Airport**

RAIN			
Rainfall total		4.3	mm
Rainfall percentage total / (long-term average)		-85	
Rainfall 24 hour's maximum date:		4.3	mm
Rainfall amount of days >= 1.0 mm		1	
Hours with rainfall		1	hrs
Hours with rainfall percentage / (long-term average)		-97	
Rainfall cumulative	January till February	12.3	mm
Rainfall percentage cumulative / (long-term average)		-84	

EVAPORATION			
Evaporation daily average		8.1	mm
Evaporation monthly total		226.1	mm
Evaporation maximum / month date:	5-Feb	11.5	mm

SUNSHINE				
Sunshine duration monthly average		9	45	hrs min
Sunshine percentage total / normal			10.3	%
Sunshine absolute max. / month date:	21-Feb	11	0	hrs min
Sunshine absolute min. / month date:	29-Feb	6	54	hrs min
Solar radiation monthly average		5628	Whr /	m <sup>2</sup> /day
Solar radiation absolute max. / month date:		6544	Whr /	m <sup>2</sup> /day
Solar radiation absolute min. / month date:		4073	Whr /	m <sup>2</sup> /day

TEMPERATURE				
Temperature monthly average		27.1		°C
Temperature monthly max. average		30.7		°C
Temperature absolute max. date / time:	11-Feb	12:41	31.4	°C
Temperature monthly min. average		25.3		°C
Temperature absolute min. date / time:	5-Feb	7:01	23.2	°C
Relative humidity monthly average		77.0		%

WIND				
Wind speed monthly average		13.5		kts
Wind speed average max.		25.6		kts
Wind speed absolute max. date / time:	Feb-16	12:57	35	kts
Wind vector monthly average		97		°
Wind energy potential total *		151	KWhr /	m <sup>2</sup>
Wind energy monthly average *		5207	Whr /	m <sup>2</sup> /day
Wind energy potential maximum * date:		9342	Whr /	m <sup>2</sup> /day
Wind energy potential minimum * date:		1582	Whr /	m <sup>2</sup> /day

REMARKS
Four extreme events were observed this month (All data in comparison with 30 year average). The maximum average temperature was extremely high. The minimum average temperature was extremely high in fact nearly broke the record. The absolute max windspeed was extremely high. Rainfall was also extremely low

\* 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

