

# METEOROLOGICAL DEPARTMENT CURAÇAO CLIMATOLOGICAL SUMMARY

**August 2015**

**Station: HATO, Airport**

<b>RAIN</b>			
Rainfall total		6.3	mm
Rainfall percentage total /(long-term average)		-84	%
Rainfall 24 hour's maximum date:	21 August	4.6	mm
Rainfall amount of days $\geq$ 1.0 mm		2	
Hours with rainfall		9	hrs
Hours with rainfall percentage / (long-term average)		-70	
Rainfall cumulative	January till August	159.1	mm
Rainfall percentage cumulative / (long-term average)		-32.8	

<b>EVAPORATION</b>			
Evaporation daily average		9.94	mm
Evaporation monthly total		308	mm
Evaporation maximum / month date:	1 August	18.30	mm

<b>SUNSHINE</b>				
Sunshine duration monthly average		10	19	hrs min
Sunshine percentage total / normal		10.40		%
Sunshine absolute max. / month date:	12 August	11	18	hrs min
Sunshine absolute min. / month date:	20 August	7	42	hrs min
Solar radiation monthly average		-	Whr /	m <sup>2</sup> /day
Solar radiation absolute max. / month date:		-	Whr /	m <sup>2</sup> /day
Solar radiation absolute min. / month date:		-	Whr /	m <sup>2</sup> /day

<b>TEMPERATURE</b>				
Temperature monthly average		29.1		°C
Temperature monthly max. average		32.6		°C
Temperature absolute max. date / time:	28 August	12:06	35.5	°C
Temperature monthly min. average		27.0		°C
Temperature absolute min. date / time:	18 August	7:49	25.8	°C
Relative humidity monthly average		76.0		%

<b>WIND</b>				
Wind speed monthly average		11.3		kts
Wind speed average max.		23.2		kts
Wind speed absolute max. date / time:	1 August	12:25	28	kts
Wind vector monthly average		104 °	11.1	kts
Wind energy potential total *		97	KWhr /	m <sup>2</sup>
Wind energy monthly average *		3217	Whr /	m <sup>2</sup> /day
Wind energy potential maximum * date:	4 August	4723	Whr /	m <sup>2</sup> /day
Wind energy potential minimum * date:	27 August	0	Whr /	m <sup>2</sup> /day

**REMARKS**  
The atmospheric conditions on the island for the month of August was characterized as one warm and dry. Both average and absolute minimum temperature were extreme.

\* 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

