

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

August 2016

Station: HATO, Airport

RAIN			
Rainfall total		3.0	mm
Rainfall percentage total / (long-term average)		-92	%
Rainfall 24 hour's maximum date:	4-Aug	2.4	mm
Rainfall amount of days >= 1.0 mm		1	day(s)
Hours with rainfall		5	hrs
Hours with rainfall percentage / (long-term average)		-83	%
Rainfall cumulative	January till August	62.9	mm
Rainfall percentage cumulative / (long-term average)		-73	%

EVAPORATION			
Evaporation daily average		9.1	mm
Evaporation monthly total		282.3	mm
Evaporation maximum / month date:	1-Aug	13.8	mm

SUNSHINE			
Sunshine duration monthly average		10	3 hrs min
Sunshine percentage total / normal		2.6	%
Sunshine absolute max. / month date:	7-Aug	11	30 hrs min
Sunshine absolute min. / month date:	13-Aug	3	48 hrs min
Solar radiation monthly average		5970	W hr / m <sup>2</sup> /day
Solar radiation absolute max. / month date:		7245	W hr / m <sup>2</sup> /day
Solar radiation absolute min. / month date:		3446	W hr / m <sup>2</sup> /day

TEMPERATURE			
Temperature monthly average		29.5	°C
Temperature monthly max. average		33.4	°C
Temperature absolute max. date / time:	26-Aug	13:22	37.0 °C
Temperature monthly min. average		27.4	°C
Temperature absolute min. date / time:	3-Aug	11:44	26.0 °C
Relative humidity monthly average		75.6	%

WIND			
Wind speed monthly average		12.9	kts
Wind speed average max.		25.3	kts
Wind speed absolute max. date / time:	3-Aug	10:32	33 kts
Wind vector monthly average		96	°
Wind energy potential total *		138	KW hr / m <sup>2</sup>
Wind energy monthly average *		4445	W hr / m <sup>2</sup> /day
Wind energy potential maximum * date:	29-Aug	7288	W hr / m <sup>2</sup> /day
Wind energy potential minimum * date:	5-Aug	1167	W hr / m <sup>2</sup> /day

### REMARKS

All temperature measurements were extremely high in comparison with the 30 years averages.  
The absolute minimum temperature broke the 30 years averages measurements with 0.3 °C,  
in the opposite direction making it the warmest august.

\* 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

