

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

December 2015

Station: HATO, Airport

RAIN			
Rainfall total		11.8	mm
Rainfall percentage total /(long-term average)		-88	%
Rainfall 24 hour's maximum date:	28-Dec-15	6.8	mm
Rainfall amount of days >= 1.0 mm		3	day(s)
Hours with rainfall		10	hrs
Hours with rainfall percentage / (long-term average)		-87	%
Rainfall cumulative	January till December	340.4	mm
Rainfall percentage cumulative / (long-term average)		-44	%

EVAPORATION			
Evaporation daily average		6.2	mm
Evaporation monthly total		191	mm
Evaporation maximum / month date:	23-Dec-15	9.5	mm

SUNSHINE					
Sunshine duration monthly average		8	11	hrs	min
Sunshine percentage total / normal		5.1		%	
Sunshine absolute max. / month date:	5-Dec-15	11	0	hrs	min
Sunshine absolute min. / month date:	3-Dec-15	0	0	hrs	min
Solar radiation monthly average		-	Whr /	m ²	/day
Solar radiation absolute max. / month date:		-	Whr /	m ²	/day
Solar radiation absolute min. / month date:		-	Whr /	m ²	/day

TEMPERATURE			
Temperature monthly average		27.7	°C
Temperature monthly max. average		30.4	°C
Temperature absolute max. date / time:	2-Dec-15	31.8	°C
Temperature monthly min. average		26.1	°C
Temperature absolute min. date / time:	27-Dec-15	23.7	°C
Relative humidity monthly average		80.2	%

WIND			
Wind speed monthly average		15.0	kts
Wind speed average max.		29.4	kts
Wind speed absolute max. date / time:	22-Dec-15	36	kts
Wind vector monthly average		118 °	14.9 Kts
Wind energy potential total *		212	KWhr / m ²
Wind energy monthly average *		6860	Whr / m ² /day
Wind energy potential maximum * date:	17-Dec-15	9599	Whr / m ² /day
Wind energy potential minimum * date:	4-Dec-15	3654	Whr / m ² /day

REMARKS

Three 30 year records were broken;

1. The monthly windspeed average (14.3 knots).
2. The average maximum windspeed (28.0 knots).
3. The average minimum temperature (25.9 °C).

* 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

