METEOROLOGICAL DEPARTMENT CURAÇAO
CLIMATOLOGICAL SUMMARY

December 2016

Station: HATO, Airport

RAIN			
Rainfall total		106.1	mm
Rainfall percentage total /(long-term average)		11	%
Rainfall 24 hour's maximum date:	10-Dec	39.0	mm
Rainfall amount of days >= 1.0 mm		14	day(s)
Hours with rainfall		83	hrs
Hours with rainfall percentage / (long-term average)		8.2	%
Rainfall cumulative	January till December	542.7	mm
Rainfall percentage cumulative / (long-term average)		-11	%

EVAPORATION			
Evaporation daily average		5.6	mm
Evaporation monthly total		163.4	mm
Evaporation maximum / month date:	3-Dec	8.2	mm

SUNSHINE					
Sunshine duration monthly average		8	25	hrs	min
Sunshine percentage total / normal		5.3		%	
Sunshine absolute max. / month date:	5-Dec	10	48	hrs	min
Sunshine absolute min. / month date:	9-Dec	0	6	hrs	min
Solar radiation monthly average		4547	Whr /	m²	/day
Solar radiation absolute max. / month date:		5848	Whr /	m²	/day
Solar radiation absolute min. / month date:		48	Whr /	m²	/day

TEMPERATURE				
Temperature monthly average			27.3	°C
Temperature monthly max. average			30.0	°C
Temperature absolute max. date / time:	2-Dec	11:38	31.7	°C
Temperature monthly min. average			24.9	°C
Temperature absolute min. date / time:	9-Dec	10:44	22.9	°C
Relative humidity monthly average			80.6	%

WIND					
Wind speed monthly average			11.5	kts	
Wind speed average max.			26.6	kts	
Wind speed absolute max. date / time:	9-Dec	10:36	39	kts	
Wind vector monthly average			89	°	
Wind energy potential total *			99	KWhr /	m²
Wind energy monthly average *			3181	Whr /	m²	/day
Wind energy potential maximum * date:	10-Dec		6155	Whr /	m²	/day
Wind energy potential minimum * date:	30-Dec		631	Whr /	m²	/day

REMARKS
The amount of rainfall for this month was above normal. The 24 hours max rainfall was extremely high.
The absolute and average max windspeed were extremely high 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