METEOROLOGICAL DEPARTMENT CURAÇAO
CLIMATOLOGICAL SUMMARY

May 2018

Station: Hato, Airport

Rain				
Rainfall total		:	1.5	mm
Rainfall percentage total/long-term average		:	-93	%
Rainfall 24 hour's maximum date:	May 11	:	1.3	mm
Rainfall amount of days >= 1.0 mm		:	1	days
Hours with rainfall		:	2	hours
Hours with rainfall percentage/long-term average		:	-92	%
Rainfall cumulative		:	142.2	mm
Rainfall percentage cumulative/long-term average		:	7	%

Evaporation				
Evaporation daily average		:	8.4	mm
Evaporation monthly total		:	261.0	mm
Evaporation maximum/month date:	May 29	:	15.3	mm

Sunshine					
Sunshine duration monthly average		:	8	33	hours:min
Sunshine percentage total/normal		:			%
Sunshine absolute max./month date	May 12	:	11	12	hours:min
Sunshine absolute min./month date:	May 06	:	1	24	hours:min
Solar radiation monthly average		:		4958	Whr/m2 /day
Solar radiation absolute max./month date:	May 24	:		5747	Whr/m2 /day
Solar radiation absolute min./month date:	May 05	:		3047	Whr/m2 /day

Temperature				
Temperature monthly average		:	27.9	°C
Temperature monthly maximum average		:	31.0	°C
Temp. abs. max. date/time:	May 15 13:05	:	31.8	°C
Temperature monthly minimum average		:	26.2	°C
Temp. abs. min. date/time:	May 10 22:58	:	25.4	°C
Relative humidity monthly		:	72.6	%

Wind				
Wind speed monthly average		:	14.0	kt
Wind speed avg. max		:	26.8	kt
Wind speed abs. max. date/time:	May 28 11:21	:	31.0	kt
Wind vector monthly average		:	105	°
Wind energy potential total *		:	171645	Whr/m2
Wind energy monthly average *		:	5537	Whr/m2 /day
Wind energy potential maximum * date:		:	6735	Whr/m2 /day
Wind energy potential minimum * date:		:	4227	Whr/m2 /day

Remarks

A month with many extremes in temperature and wind category. The average, maximum average and absolute maximum temperature were extremely low. The absolute maximum broke a record with 0.1 C. Even the relative humidity was extremely low. The windspeed average and maximum average were extremely high. All in comparison with the 30 year average.

* Wind energy at a height of 10 m for wind speeds of 4 m/s or more.
** Sunshine duration in hrs (solar time)
*** Solar radiation (local time)
__ Blank field - No data available