

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

January 2019

Station: Hato, Airport

Rain

Rainfall total	:	3.3	(	36.1	)	mm
Rainfall percentage total/long-term average	:	-93	(	-27)	%	
Rainfall 24 hour's maximum date:	January 23	:	1.8	(9.0)	mm
Rainfall amount of days >= 1.0 mm	:	1	(	8	)	days
Hours with rainfall	:	10	(	33	)	hours
Hours with rainfall percentage/long-term average	:	-84	(	-46)	%	
Rainfall cumulative	:	3.3	(	36.1	)	mm
Rainfall percentage cumulative/long-term average	:	-93	(	-27)	%	

Evaporation

Evaporation daily average	:	5.8	(	5.9	)	mm
Evaporation monthly total	:	179.4	(	182.0	)	mm
Evaporation maximum/month date:	January 14	:	8.7	(11.2)	mm

Sunshine

Sunshine duration monthly average	:	9	53	hours:min	
Sunshine percentage total/normal	:			%	
Sunshine absolute max./month date	January 14	:	10	48	hours:min
Sunshine absolute min./month date:	January 10	:	6	42	hours:min
Solar radiation monthly average	:	4182		Whr/m ² /dav	
Solar radiation absolute max./month date:	January 26	:	5106		Whr/m ² /dav
Solar radiation absolute min./month date:	January 10	:	3069		Whr/m ² /dav

Temperature

Temperature monthly average	:	26.5	(	27.2	)	°C
Temperature monthly maximum average	:	30.0	(	30.3	)	°C
Temp. abs. max. date/time:	January 29 12:25	:	31.5	(31.9)	°C
Temperature monthly minimum average	:	24.5	(	24.9	)	°C
Temp. abs. min. date/time:	January 11 4:25	:	22.4	(22.3)	°C
Relative humidity monthly	:	70.9	(	75.1)	%	

Wind

Wind speed monthly average	:	12.6	(	12.3	)	kt
Wind speed avg. max	:	23.5	(	25.1	)	kt
Wind speed abs. max. date/time:	January 04 14:55	:	30.0	(37.0)	kt
Wind vector monthly average	:	105	(	105)	°	
Wind energy potential total *	:	131371	(	#####	)	Whr/m ²
Wind energy monthly average *	:	4238	(	3799	)	Whr/m ² /dav
Wind energy potential maximum * date:	:	7174	(	5847	)	Whr/m ² /dav
Wind energy potential minimum * date:	:	884	(	1655	)	Whr/m ² /dav

Remarks

The total and max 24 hr rainfall were extremely low for the month January. The relative humidity was also extremely low. 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

() Same month previous year data

