

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

September 2023

Station: Hato, Airport

Rain			
Rainfall total	:	0.2 (108.3)	mm
Rainfall percentage total/long-term average	:	-100 (121)	%
Rainfall 24 hour's maximum date:	September 23	:	0.2 (60.6) mm
Rainfall amount of days \geq 1.0 mm	:	0 (7)	days
Hours with rainfall	:	1 (42)	hours
Hours with rainfall percentage/long-term average	:	-97 (43)	%
Rainfall cumulative	:	152.9 (371.8)	mm
Rainfall percentage cumulative/long-term average	:	-46 (32)	%
Evaporation			
Evaporation daily average	:	()	mm
Evaporation monthly total	:	()	mm
Evaporation maximum/month date:	:	()	mm
Sunshine			
Sunshine duration monthly average	:	10 3	hours:min
Sunshine percentage total/normal	:	82	%
Sunshine absolute max./month date:	September 12	:	10 48 hours:min
Sunshine absolute min./month date:	September 08	:	8 0 hours:min
Solar radiation monthly average	:	6628	Whr/m ² /dav
Solar radiation absolute max./month date:	:	7321	Whr/m ² /dav
Solar radiation absolute min./month date:	:	5647	Whr/m ² /dav
Temperature			
Temperature monthly average	:	30.4 (29.2)	°C
Temperature monthly maximum average	:	34.1 (33.4)	°C
Temp. abs. max. date/time:	September 14 11:39	:	36.8 (37.2) °C
Temperature monthly minimum average	:	28.3 (26.1)	°C
Temp. abs. min. date/time:	September 28 3:26	:	27.1 (21.5) °C
Relative humidity monthly	:	76.4 (72.4)	%
Wind			
Wind speed monthly average	:	10.7 (8.7)	kt
Wind speed avg. max	:	21.1 (21.6)	kt
Wind speed abs. max. date/time:	September 24 9:04	:	27.0 (45.0) kt
Wind vector monthly average	:	97 (100)	°
Wind energy potential total *	:	77 (48)	Whr/m ²
Wind energy monthly average *	:	2576 (1761)	Whr/m ² /dav
Wind energy potential maximum * date:	:	4428 (3872)	Whr/m ² /dav
Wind energy potential minimum * date:	:	481 (42)	Whr/m ² /dav
Remarks			

All temperature measurements except absolute minimum were extremely high in comparison with the 30 years data. The absolute minimum temperature is set for a new record: 27.1 C which is 0.7 C higher than the last record making it the warmest month ever recorded. The average maximum windspeed was extremely low in comparison with the 30 years data. For the month september with the lowest rainfall measurement of 0.2 mm since 1960 (0.2 mm). Sun duration was also an extreme.

* 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

