

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

August 2018

Station: Hato, Airport

### Rain

Rainfall total	:	21.5	(	32.4	)	mm
Rainfall percentage total/long-term average	:	-46	(	-18	)	%
Rainfall 24 hour's maximum date:	August 02	:	12.1	(	12.0)	mm
Rainfall amount of days $\geq$ 1.0 mm	:	4	(	6)	)	days
Hours with rainfall	:	14	(	24)	)	hours
Hours with rainfall percentage/long-term average	:	-53	(	-20)	)	%
Rainfall cumulative	:	228.7	(	267.1)	)	mm
Rainfall percentage cumulative/long-term average	:	-3	(	13)	)	%

### Evaporation

Evaporation daily average	:	7.9	(	7.9)	)	mm
Evaporation monthly total	:	243.2	(	245.0)	)	mm
Evaporation maximum/month date:	August 02	:	10.3	(	15.0)	mm

### Sunshine

Sunshine duration monthly average	:	10	1	hours:min	
Sunshine percentage total/normal	:			%	
Sunshine absolute max./month date	August 02	:	11	36	hours:min
Sunshine absolute min./month date:	August 26	:	2	18	hours:min
Solar radiation monthly average	:	7047		Whr/m <sup>2</sup> /dav	
Solar radiation absolute max./month date:	August 17	:	25277	Whr/m <sup>2</sup> /dav	
Solar radiation absolute min./month date:	August 26	:	1808	Whr/m <sup>2</sup> /dav	

### Temperature

Temperature monthly average	:	28.8	(	29.2)	)	°C
Temperature monthly maximum average	:	32.3	(	32.9)	)	°C
Temp. abs. max. date/time:	August 23 12:23	:	34.5	(	34.9)	°C
Temperature monthly minimum average	:	26.5	(	26.9)	)	°C
Temp. abs. min. date/time:	August 26 11:33	:	23.1	(	24.2)	°C
Relative humidity monthly	:	72.5	(	76.1)	)	%

### Wind

Wind speed monthly average	:	12.9	(	10.8)	)	kt
Wind speed avg. max	:	24.5	(	23.3)	)	kt
Wind speed abs. max. date/time:	August 06 13:53	:	30.0	(	32.0)	kt
Wind vector monthly average	:	105	(	102)	)	°
Wind energy potential total *	:	136635	(	84243)	)	Whr/m <sup>2</sup>
Wind energy monthly average *	:	4408	(	2718)	)	Whr/m <sup>2</sup> /dav
Wind energy potential maximum * date:	:	7470	(	5357)	)	Whr/m <sup>2</sup> /dav
Wind energy potential minimum * date:	:	2413	(	627)	)	Whr/m <sup>2</sup> /dav

### Remarks

August has only one record namely, the humidity was below the 30 years average. The absolute minimum temperature was extremely low and the wind speed average was extremely high. All data is in comparison with the 30 years 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

