

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

October 2019

Station: Hato, Airport

### Rain

Rainfall total	:	30.7	(	261.5	)	mm	
Rainfall percentage total/long-term average	:	-70	(	158	)	%	
Rainfall 24 hour's maximum date:	October 10	:	9.1	(	74.1	)	mm
Rainfall amount of days $\geq$ 1.0 mm	:	6	(	13	)	days	
Hours with rainfall	:	31	(	11	)	hours	
Hours with rainfall percentage/long-term average	:	-33	(	-76	)	%	
Rainfall cumulative	:	166.5	(	521.7	)	mm	
Rainfall percentage cumulative/long-term average	:	-57	(	34	)	%	

### Evaporation

Evaporation daily average	:	6.5	(	4.5	)	mm	
Evaporation monthly total	:	202.4	(	139.0	)	mm	
Evaporation maximum/month date:	October 28	:	9.4	(	10.6	)	mm

### Sunshine

Sunshine duration monthly average	:	8	16	hours:min	
Sunshine percentage total/normal	:			%	
Sunshine absolute max./month date	October 01	:	10	54	hours:min
Sunshine absolute min./month date:	October 12	:	0	0	hours:min
Solar radiation monthly average	:	50061		Whr/m <sup>2</sup> /dav	
Solar radiation absolute max./month date:	October 20	:	175434	Whr/m <sup>2</sup> /dav	
Solar radiation absolute min./month date:	October 28	:	5221	Whr/m <sup>2</sup> /dav	

### Temperature

Temperature monthly average	:	29.2	(	28.1	)	°C	
Temperature monthly maximum average	:	32.5	(	31.0	)	°C	
Temp. abs. max. date/time:	October 01 9:37	:	34.0	(	32.8	)	°C
Temperature monthly minimum average	:	26.8	(	25.6	)	°C	
Temp. abs. min. date/time:	October 12 9:28	:	24.4	(	21.5	)	°C
Relative humidity monthly	:	72.6	(	78.5	)	%	

### Wind

Wind speed monthly average	:	10.6	(	9.5	)	kt	
Wind speed avg. max	:	21.6	(	21.8	)	kt	
Wind speed abs. max. date/time:	October 06 3:52	:	28.0	(	31.0	)	kt
Wind vector monthly average	:	105	(	98	)	°	
Wind energy potential total *	:	80098	(	59532	)	Whr/m <sup>2</sup>	
Wind energy monthly average *	:	2584	(	1920	)	Whr/m <sup>2</sup> /dav	
Wind energy potential maximum * date:	:	5054	(	4663	)	Whr/m <sup>2</sup> /dav	
Wind energy potential minimum * date:	:	544	(	347	)	Whr/m <sup>2</sup> /dav	

### Remarks

The absolute, minimum average and average temperature were extremely high 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

