

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

January 2018

Station: Hato, Airport

Rain

Rainfall total	:	36.1	(	96.8	)	mm
Rainfall percentage total/long-term average	:	-27	(	95)	%	
Rainfall 24 hour's maximum date:	January 02	:	9.0	(21.4)	mm
Rainfall amount of days \geq 1.0 mm	:	8	(	13	)	days
Hours with rainfall	:	33	(	85	)	hours
Hours with rainfall percentage/long-term average	:	-46	(	40)	%	
Rainfall cumulative	:	36.1	(	96.8	)	mm
Rainfall percentage cumulative/long-term average	:	-27	(	95)	%	

Evaporation

Evaporation daily average	:	5.9	(	5.1	)	mm
Evaporation monthly total	:	182.0	(	156.5	)	mm
Evaporation maximum/month date:	January 20	:	11.2	(9.5)	mm

Sunshine

Sunshine duration monthly average	:	8	53	hours:min	
Sunshine percentage total/normal	:			%	
Sunshine absolute max./month date	January 10	:	10	30	hours:min
Sunshine absolute min./month date:	January 26	:	2	36	hours:min
Solar radiation monthly average	:	4130		Whr/m ² /dav	
Solar radiation absolute max./month date:	January 11	:	5022		Whr/m ² /dav
Solar radiation absolute min./month date:	January 12	:	3086		Whr/m ² /dav

Temperature

Temperature monthly average	:	27.2	(	26.2	)	°C
Temperature monthly maximum average	:	30.3	(	29.0	)	°C
Temp. abs. max. date/time:	January 11 13:07	:	31.9	(29.9)	°C
Temperature monthly minimum average	:	24.9	(	23.9	)	°C
Temp. abs. min. date/time:	January 29 7:38	:	22.3	(21.9)	°C
Relative humidity monthly	:	75.1	(	79.5)	%	

Wind

Wind speed monthly average	:	12.3	(	10.6	)	kt
Wind speed avg. max	:	25.1	(	23.7	)	kt
Wind speed abs. max. date/time:	January 29 7:15	:	37.0	(33.0)	kt
Wind vector monthly average	:	105	(	86)	°	
Wind energy potential total *	:	117768	(	79842	)	Whr/m ²
Wind energy monthly average *	:	3799	(	2576	)	Whr/m ² /dav
Wind energy potential maximum * date:	:	5847	(	6103	)	Whr/m ² /dav
Wind energy potential minimum * date:	:	1655	(	393	)	Whr/m ² /dav

Remarks

The minimum and average temperature were extremely high in comparison with the 30 year average.
The absolute maximum wind speed was also extremely high.

* 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

