



# CLIMATOLOGICAL SUMMARY

Meteorological Service    January    2009    Station: Hato Airport CURAÇAO

## Rain

Rainfall total			: 54.2 mm
Rainfall percentage total/long-term average			: 5.7 %
Rainfall 24 hour's maximum date:	January	21	: 11.4 mm
Rainfall amount of days >= 1.0 mm			: 10 days
Hours with rainfall			: 37 hours
Hours with rainfall percentage/long-term average			: %
Construction Rain delay			: 90 min ( 0.9%)
Rainfall cumulative	January till	January	: 54.2 mm
Rainfall percentage cumulative/long-term average			: 5.7 %

## Evaporation

Evaporation daily average			: 5.3 mm
Evaporation monthly total			: 163.3 mm
Evaporation maximum/month date:	January	12	: 11.3 mm

## Sunshine

Sunshine duration monthly average			: 11 : 24 hours:min
Sunshine percentage total/normal			: 12.4 %
Sunshine absolute max./month	January	18	: 11 : 24 hours:min
Sunshine absolute min./month date:	January	31	: 2 : 42 hours:min
Solar radiation monthly average			: 4867 Whr/m <sup>2</sup> /day
Solar radiation absolute max./month date:	January	24	: 6378 Whr/m <sup>2</sup> /day
Solar radiation absolute min./month date:	January	31	: 2622 Whr/m <sup>2</sup> /day

## Temperature

Temperature monthly average			: 26.4 °C
Temperature monthly maximum average			: 29.3 °C
Temp. abs. max. date/time:	January	18 - 14 : 44 hours	: 30.5 °C
Temperature monthly minimum average			: 24.3 °C
Temp. abs. min. date/time:	January	17 - 6 : 50 hours	: 22.4 °C
Relative humidity monthly			: 78.4 %

## Wind

Wind speed monthly average			: 5.3 m/s 10.4 kts
Wind speed avg. max			: 11.7 m/s 23.0 kts
Wind speed abs. max. date/time:	January	29 - 8 : 36 hours	: 17.3 m/s 34.0 kts
Wind vector monthly average			: ° kts
Wind energy potential total *			: 78 KWhr/m <sup>2</sup>
Wind energy monthly average *			: 2525 Whr/m <sup>2</sup> /day
Wind energy potential maximum * date:	January	27	: 6259 Whr/m <sup>2</sup> /day
Wind energy potential minimum * date:	January	17	: 122 Whr/m <sup>2</sup> /day

## Remarks

\* 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)

-- Not available