

METEOROLOGICAL DEPARTMENT CURAÇAO

CLIMATOLOGICAL SUMMARY

Oktober 2016

Station: HATO, Airport

| RAIN | | | |
|--|----------------------|-------|--------|
| Rainfall total | | 36.9 | mm |
| Rainfall percentage total / (long-term average) | | -64 | % |
| Rainfall 24 hour's maximum date: | 19-Oct | 17.6 | mm |
| Rainfall amount of days \geq 1.0 mm | | 7 | day(s) |
| Hours with rainfall | | 18 | hrs |
| Hours with rainfall percentage / (long-term average) | | -61 | % |
| Rainfall cumulative | January till Oktober | 152.6 | mm |
| Rainfall percentage cumulative / (long-term average) | | -61 | % |

| EVAPORATION | | | |
|-----------------------------------|-------|-------|----|
| Evaporation daily average | | 7.1 | mm |
| Evaporation monthly total | | 220.9 | mm |
| Evaporation maximum / month date: | 6-Oct | 15.0 | mm |

| SUNSHINE | | | | |
|---|-------|------|-------|---------------------|
| Sunshine duration monthly average | | 8 | 55 | hrs min |
| Sunshine percentage total / normal | | 11.5 | | % |
| Sunshine absolute max. / month date: | 5-Oct | 10 | 54 | hrs min |
| Sunshine absolute min. / month date: | 1-Oct | 0 | 0 | hrs min |
| Solar radiation monthly average | | 5089 | Whr / | m ² /day |
| Solar radiation absolute max. / month date: | | 6378 | Whr / | m ² /day |
| Solar radiation absolute min. / month date: | | 1965 | Whr / | m ² /day |

| TEMPERATURE | | | | |
|--|--------|-------|------|----|
| Temperature monthly average | | 29.4 | | °C |
| Temperature monthly max. average | | 33.0 | | °C |
| Temperature absolute max. date / time: | 3-Oct | 13:32 | 35.8 | °C |
| Temperature monthly min. average | | 26.9 | | °C |
| Temperature absolute min. date / time: | 19-Oct | 0:00 | 23.3 | °C |
| Relative humidity monthly average | | 77.7 | | % |

| WIND | | | | |
|---------------------------------------|--------|-------|--------|---------------------|
| Wind speed monthly average | | 9.5 | | kts |
| Wind speed average max. | | 20.8 | | kts |
| Wind speed absolute max. date / time: | 1-Oct | 12:35 | 31 | kts |
| Wind vector monthly average | | 97 | | ° |
| Wind energy potential total * | | 65 | KWhr / | m ² |
| Wind energy monthly average * | | 2111 | Whr / | m ² /day |
| Wind energy potential maximum * date: | 1-Oct | 6981 | Whr / | m ² /day |
| Wind energy potential minimum * date: | 18-Oct | 43 | Whr / | m ² /day |

REMARKS

The amount of rainfall was below normal. All temperature measurements except absolute minimum were extremely high, compared to the 30 years average. The wind average was also below normal. As observed the sunshine duration total was 11.5% above normal, making it in combination with a below normal wind average and high temperatures, Oktober 2016 very warm and uncomfortable.

* Wind energy at a height of 10 m for windspeeds of 4 m/s or more.

** Sunshine duration in hrs (solar time)

*** Solar radiation (local time)

_ Blank field - No data available

