

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

April 2018

Station: Hato, Airport

### Rain

|  |          |       |        |
|--|----------|-------|--------|
| Rainfall total                                   | :        | 6.4   | mm     |
| Rainfall percentage total/long-term average      | :        | -67   | %      |
| Rainfall 24 hour's maximum date:                 | April 19 | :     | 5.8 mm |
| Rainfall amount of days $\geq$ 1.0 mm            | :        | 1     | days   |
| Hours with rainfall                              | :        | 5     | hours  |
| Hours with rainfall percentage/long-term average | :        | -76   | %      |
| Rainfall cumulative                              | :        | 140.7 | mm     |
| Rainfall percentage cumulative/long-term average | :        | 26    | %      |

### Evaporation

|                                 |          |       |         |
|---------------------------------|----------|-------|---------|
| Evaporation daily average       | :        | 9.4   | mm      |
| Evaporation monthly total       | :        | 281.1 | mm      |
| Evaporation maximum/month date: | April 27 | :     | 13.5 mm |

### Sunshine

|   |          |      |                         |
|---|----------|------|-------------------------|
| Sunshine duration monthly average         | :        | 8 26 | hours:min               |
| Sunshine percentage total/normal          | :        |      | %                       |
| Sunshine absolute max./month date         | April 13 | :    | 11 18 hours:min         |
| Sunshine absolute min./month date:        | April 19 | :    | 3 6 hours:min           |
| Solar radiation monthly average           | :        | 5261 | Whr/m <sup>2</sup> /day |
| Solar radiation absolute max./month date: | :        | 6476 | Whr/m <sup>2</sup> /day |
| Solar radiation absolute min./month date: | :        | 3146 | Whr/m <sup>2</sup> /day |

### Temperature

|                                     |                |      |         |
|-------------------------------------|----------------|------|---------|
| Temperature monthly average         | :              | 27.7 | °C      |
| Temperature monthly maximum average | :              | 31.4 | °C      |
| Temp. abs. max. date/time:          | April 26 13:04 | :    | 33.1 °C |
| Temperature monthly minimum average | :              | 25.5 | °C      |
| Temp. abs. min. date/time:          | April 18 12:58 | :    | 24.0 °C |
| Relative humidity monthly           | :              | 72.3 | %       |

### Wind

|                                       |                |        |                         |
|---------------------------------------|----------------|--------|-------------------------|
| Wind speed monthly average            | :              | 12.4   | kt                      |
| Wind speed avg. max                   | :              | 23.1   | kt                      |
| Wind speed abs. max. date/time:       | April 15 11:10 | :      | 31.0 kt                 |
| Wind vector monthly average           | :              | 101    | °                       |
| Wind energy potential total *         | :              | 117591 | Whr/m <sup>2</sup>      |
| Wind energy monthly average *         | :              | 3920   | Whr/m <sup>2</sup> /day |
| Wind energy potential maximum * date: | :              | 7023   | Whr/m <sup>2</sup> /day |
| Wind energy potential minimum * date: | :              | 1644   | Whr/m <sup>2</sup> /day |

### Remarks

For this month there is only one extreme recorded, which also broke the record. The relative humidity was extremely low 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

