

# METEOROLOGICAL DEPARTMENT CURAÇAO

## CLIMATOLOGICAL SUMMARY

October 2020

Station: Hato, Airport

### Rain

|  |            |       |         |
|--|------------|-------|---------|
| Rainfall total                                   | :          | 56.4  | mm      |
| Rainfall percentage total/long-term average      | :          | -45   | %       |
| Rainfall 24 hour's maximum date:                 | October 21 | :     | 11.4 mm |
| Rainfall amount of days $\geq$ 1.0 mm            | :          | 10    | days    |
| Hours with rainfall                              | :          | 27    | hours   |
| Hours with rainfall percentage/long-term average | :          | -41   | %       |
| Rainfall cumulative                              | :          | 299.8 | mm      |
| Rainfall percentage cumulative/long-term average | :          | -22   | %       |

### Evaporation

|                                 |   |  |    |
|---------------------------------|---|--|----|
| Evaporation daily average       | : |  | mm |
| Evaporation monthly total       | : |  | mm |
| Evaporation maximum/month date: | : |  | mm |

### Sunshine

|   |   |      |                         |
|---|---|------|-------------------------|
| Sunshine duration monthly average         | : |      | hours:min               |
| Sunshine percentage total/normal          | : |      | %                       |
| Sunshine absolute max./month date         | : |      | hours:min               |
| Sunshine absolute min./month date:        | : |      | hours:min               |
| Solar radiation monthly average           | : | 4752 | Whr/m <sup>2</sup> /dav |
| Solar radiation absolute max./month date: | : | 6199 | Whr/m <sup>2</sup> /dav |
| Solar radiation absolute min./month date: | : | 1173 | Whr/m <sup>2</sup> /dav |

### Temperature

|                                     |                  |      |         |
|-------------------------------------|------------------|------|---------|
| Temperature monthly average         | :                | 29.1 | °C      |
| Temperature monthly maximum average | :                | 32.5 | °C      |
| Temp. abs. max. date/time:          | October 13 11:45 | :    | 35.6 °C |
| Temperature monthly minimum average | :                | 26.5 | °C      |
| Temp. abs. min. date/time:          | October 20 16:21 | :    | 23.3 °C |
| Relative humidity monthly           | :                | 73.4 | %       |

### Wind

|                                       |                 |      |                         |
|---------------------------------------|-----------------|------|-------------------------|
| Wind speed monthly average            | :               | 10.9 | kt                      |
| Wind speed avg. max                   | :               | 22.7 | kt                      |
| Wind speed abs. max. date/time:       | October 24 5:15 | :    | 30.0 kt                 |
| Wind vector monthly average           | :               | 106  | °                       |
| Wind energy potential total *         | :               | 92   | Whr/m <sup>2</sup>      |
| Wind energy monthly average *         | :               | 2964 | Whr/m <sup>2</sup> /dav |
| Wind energy potential maximum * date: | :               | 5614 | Whr/m <sup>2</sup> /dav |
| Wind energy potential minimum * date: | :               | 142  | Whr/m <sup>2</sup> /dav |

### Remarks

This month has only 2 extremes. The average and the absolute temperature were 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

