

# METEOROLOGICAL DEPARTMENT CURAÇAO CLIMATOLOGICAL SUMMARY

**Week 21**

|                       |        |      |
|-----------------------|--------|------|
| <b>Week Starting:</b> | 18 May | 2015 |
| <b>Week Ending:</b>   | 24 May | 2015 |

**Station: HATO, Airport**

|                                                      |          |                           |           | Extremes ** |          |          |
|------------------------------------------------------|----------|---------------------------|-----------|-------------|----------|----------|
| RAIN                                                 |          |                           | DATE      | TIME        | Minimum  | Maximum  |
| Rainfall total                                       | 0.0      | mm                        | -         | -           | 0 mm     | 101.6 mm |
| Rainfall percentage total / (long-term average)      | -        | -                         | -         | -           | -        | -        |
| Rainfall 24 hour's maximum                           | 0.0      | mm                        | -         | -           | 0 mm     | 65.8 mm  |
| Rainfall amount of days >= 1.0 mm                    | 0        |                           | -         | -           | -        | -        |
| Hours with rainfall                                  | 0        | hrs                       | -         | -           | -        | -        |
| Hours with rainfall percentage / (long-term average) | -        | -                         | -         | -           | -        | -        |
| Rainfall cumulative                                  | 138.9    | mm                        | -         | -           | -        | -        |
| Rainfall percentage cumulative / (long-term average) | -        | -                         | -         | -           | -        | -        |
| TEMPERATURE                                          |          |                           |           |             |          |          |
| Temperature weekly average                           | 28.1     | °C                        | -         | -           | 27.2 °C  | 29.4 °C  |
| Temperature weekly max. average                      | 31.4     | °C                        | -         | -           | 30.6 °C  | 33.4 °C  |
| Temperature absolute max.                            | 32.4     | °C                        | 20-May-15 | 12:19       | 31.9 °C  | 36 °C    |
| Temperature weekly min. average                      | 26.3     | °C                        | -         | -           | 25.4 °C  | 27.8 °C  |
| Temperature absolute min.                            | 25.9     | °C                        | 19-May-15 | 5:28        | 21.6 °C  | 26.4 °C  |
| Relative humidity weekly average                     | 76.9     | %                         | -         | -           | 64 %     | 84 %     |
| WIND                                                 |          |                           |           |             |          |          |
| Wind speed weekly average                            | 12.7     | kts                       | -         | -           | 2.2 kts  | 15.3 kts |
| Wind speed average max.                              | 24.4     | kts                       | -         | -           | 20.7 kts | 28.9 kts |
| Wind speed absolute max.                             | 27       | kts                       | 23-May-15 | 13:13       | 26.8 kts | 38.8 kts |
| Wind vector weekly average                           | 101      | °                         | -         | -           | 78 °     | 101 °    |
| Wind energy potential total *                        | 28,524   | KWhr / m <sup>2</sup>     | -         | -           | -        | -        |
| Wind energy weekly average *                         | 4075     | Whr / m <sup>2</sup> /day | -         | -           | -        | -        |
| Wind energy potential maximum *                      | 4954     | Whr / m <sup>2</sup> /day | 23-May-15 | -           | -        | -        |
| Wind energy potential minimum *                      | 3057     | Whr / m <sup>2</sup> /day | 19-May-15 | -           | -        | -        |
| EVAPORATION                                          |          |                           |           |             |          |          |
| Evaporation daily average                            | 10.84    | mm                        | -         | -           | -        | -        |
| Evaporation weekly total                             | 75.89    | mm                        | -         | -           | -        | -        |
| Evaporation maximum                                  | 12.76    | mm                        | 19-May-15 | -           | -        | -        |
| SUNSHINE                                             |          |                           |           |             |          |          |
| Sunshine duration weekly average                     | 6 hrs    | 32 min                    | -         | -           | -        | -        |
| Sunshine percentage total / normal                   | -22.95 % |                           | -         | -           | -        | -        |
| Sunshine absolute max.                               | 8 hrs    | 42 min                    | 20-May-15 | -           | -        | -        |
| Sunshine absolute min.                               | 3 hrs    | 30 min                    | 22-May-15 | -           | -        | -        |
| Solar radiation weekly average                       | -        | Whr / m <sup>2</sup> /day | -         | -           | -        | -        |
| Solar radiation absolute max.                        | -        | Whr / m <sup>2</sup> /day | -         | -           | -        | -        |
| Solar radiation absolute min.                        | -        | Whr / m <sup>2</sup> /day | -         | -           | -        | -        |
| REMARKS                                              |          |                           |           |             |          |          |
|                                                      |          |                           |           |             |          |          |

- \* Wind energy at a height of 10 m for windspeeds of 4 m/s or more.
- \*\* Extremes based on monthly data (30 years)
- \*\*\* Sunshine duration in hrs (solar time)
- \*\*\*\* Solar radiation (local time)

