



DEPARTAMENTO METEOROLOGICO ARUBA

SUMMARY CLIMATOLOGICAL DATA 2011

| | | JAN | FEB | MRT | APR | MEI | JUN | JUL | AUG | SEP | OKT | NOV | DEC | YEAR |
|-----------------------------|-----|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Air temperature | °C | 27.0 | 26.9 | 26.9 | 27.9 | 28.9 | 29.4 | 29.3 | 29.9 | 29.7 | 28.7 | 28.1 | 27.1 | 28.3 |
| Av. max. temperature | °C | 30.3 | 30.3 | 30.4 | 31.7 | 32.3 | 33.0 | 33.1 | 33.8 | 33.4 | 32.1 | 31.1 | 29.9 | 31.8 |
| Abs. max. temperature | °C | 31.1 | 31.2 | 31.8 | 33.0 | 33.8 | 34.9 | 34.4 | 35.4 | 35.0 | 34.0 | 32.8 | 31.2 | 35.4 |
| Av. min. temperature | °C | 24.7 | 24.5 | 24.5 | 25.6 | 26.8 | 27.1 | 27.0 | 27.2 | 26.9 | 26.1 | 25.6 | 24.7 | 25.9 |
| Abs. min. temperature | °C | 22.6 | 22.4 | 22.0 | 22.8 | 25.1 | 24.2 | 25.6 | 23.1 | 23.0 | 23.3 | 24.0 | 22.4 | 22.0 |
| Av. wetbulb temperature | °C | 24.0 | 23.6 | 23.3 | 24.4 | 26.0 | 26.4 | 26.5 | 26.3 | 26.3 | 25.7 | 25.6 | 24.5 | 25.2 |
| Av dew-point temperature | °C | 22.6 | 22.1 | 21.7 | 22.8 | 24.9 | 25.3 | 25.3 | 24.9 | 25.0 | 24.6 | 24.6 | 23.4 | 23.9 |
| Seawater temperature | °C | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| Air pressure * | mb | 11.6 | 12.8 | 12.7 | 11.9 | 10.1 | 11.2 | 11.0 | 10.5 | 10.9 | 10.1 | 9.9 | 11.6 | 11.2 |
| Vapor pressure | mb | 27.5 | 26.6 | 26.1 | 27.9 | 31.5 | 32.2 | 32.3 | 31.4 | 31.7 | 30.9 | 30.9 | 28.8 | 29.8 |
| Relative Humidity | % | 77.3 | 75.5 | 73.8 | 74.4 | 79.3 | 79.0 | 79.6 | 75.0 | 76.3 | 78.7 | 81.8 | 80.6 | 77.6 |
| Monthly rainfall | mm | 99.4 | 66.6 | 49.6 | 3.8 | 50.2 | 47.8 | 19.4 | 21.6 | 47.6 | 173.6 | 137.2 | 109.4 | 826.2 |
| Hours with rainfall | | 72.0 | 30.0 | 43.0 | 7.0 | 20.0 | 30.0 | 15.0 | 3.0 | 8.0 | 42.0 | 46.0 | 84.0 | 400.0 |
| Days with rainfall ≥ 1.0 mm | | 13.0 | 10.0 | 9.0 | 3.0 | 6.0 | 10.0 | 4.0 | 2.0 | 2.0 | 10.0 | 9.0 | 19.0 | 97.0 |
| Highest rainfall in 24 hrs. | mm | 19.2 | 28.4 | 18.0 | 1.2 | 24.6 | 26.2 | 5.0 | 16.2 | 37.8 | 91.6 | 39.4 | 13.6 | 91.6 |
| Days with thunder | | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 5.0 | 1.0 | 3.0 | 6.0 | 6.0 | 4.0 | 0.0 | 27.0 |
| Cloud Coverage | % | 51.0 | 46.1 | 54.2 | 65.7 | 72.1 | 66.1 | 59.9 | 55.6 | 54.3 | 62.5 | 61.2 | 55.6 | 58.7 |
| Sunshine duration | % | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| Sunshine duration | hrs | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| Wind direction | deg | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| Wind speed | m/s | 6.3 | 6.7 | 6.2 | 6.5 | 6.0 | 6.8 | 7.6 | 6.3 | 5.4 | 4.7 | 4.2 | 5.8 | 6.0 |
| Av. max windspeed | m/s | 14.0 | 14.3 | 13.5 | 13.6 | 12.9 | 14.7 | 15.2 | 13.8 | 13.0 | 11.9 | 11.2 | 13.6 | 13.5 |
| Strongest windgust | m/s | 18.5 | 18.5 | 17.0 | 19.0 | 16.4 | 18.5 | 17.5 | 17.5 | 17.5 | 16.4 | 17.0 | 21.1 | 21.1 |
| Pesistency of the wind | % | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |

Note: ~ meaning data not available

x) 1000 mb should be added to these values

1 knot= 1.151 mph= 1.85 km/h=0.514 m/sec