



DEPARTAMENTO METEOROLOGICO ARUBA

SUMMARY CLIMATOLOGICAL DATA 2003

		JAN	FEB	MRT	APR	MEI	JUN	JUL	AUG	SEP	OKT	NOV	DEC	YEAR
Air temperature	°C	27.5	27.5	27.4	28.4	28.8	28.8	28.6	29.5	30.0	30.0	29.1	27.6	28.6
Av. max. temperature	°C	31.0	31.2	31.0	31.8	32.2	32.0	31.8	33.1	33.8	33.5	32.0	30.2	32.0
Abs. max. temperature	°C	31.6	31.9	32.2	32.7	33.3	32.6	32.9	35.0	36.5	35.1	33.1	31.6	36.5
Av. min. temperature	°C	25.7	25.6	25.2	26.5	27.0	26.8	26.6	27.5	27.9	27.8	26.7	25.6	26.6
Abs. min. temperature	°C	24.2	24.4	24.0	24.4	25.8	24.0	24.0	26.1	26.5	24.9	23.7	22.6	22.6
Av. wetbulb temperature	°C	24.1	24.1	23.5	24.5	24.9	25.0	25.2	25.9	25.9	26.0	25.8	24.4	24.9
Av dew-point temperature	°C	22.8	22.8	21.9	23.0	23.4	23.6	23.9	24.6	24.4	24.6	24.6	23.2	23.6
Seawater temperature	°C	~	~	~	~	~	~	~	~	~	~	~	~	~
Air pressure *	mb	13.1	11.7	12.2	11.5	12.1	12.3	13.0	12.1	10.9	9.5	9.7	11.2	11.6
Vapor pressure	mb	27.7	27.7	26.3	28.1	28.8	29.1	29.7	30.9	30.6	30.9	30.9	28.4	29.1
Relative Humidity	%	75.1	75.2	72.2	72.8	73.2	73.5	75.8	75.1	72.6	72.7	76.6	77.6	74.4
Monthly rainfall	mm	3.8	6	0	20.2	4.4	37.6	72.6	4.0	2.0	19.6	105.5	234.0	509.7
Hours with rainfall		6.0	10	0.0	3.0	7.0	16	40	7.0	7	5	43	59	203
Days with rainfall ≥ 1.0 mm		1	2	0	2	3	2	8	0	0	3	11	15	47
Highest rainfall in 24 hrs.	mm	1.8	2.0	0	15.4	1.6	18.6	29.0	0.6	0.2	15.2	57.4	71.8	71.8
Days with thunder		0	0	0	1	0	2	2	0	0	4	5	6	20
Cloud Coverage	%	31.2	26.9	32.5	55.3	54.7	56.4	50.7	45.2	52.7	51.4	61.7	51.8	47.5
Sunshine duration	%	~	~	~	~	~	~	~	~	~	~	~	~	~
Sunshine duration	hrs	~	~	~	~	~	~	~	~	~	~	~	~	~
Wind direction	deg	~	~	~	~	~	~	~	~	~	~	~	~	~
Wind speed	m/s	7.8	9.0	7.8	8.0	9.5	8.9	8.6	8.2	7.0	5.5	5.1	6.1	7.6
Av. max windspeed	m/s	14.9	17.5	15.4	15.4	17.5	17	16.4	15.9	14.4	12.3	11.8	13.9	15.2
Strongest windgust	m/s	18.5	20.0	20.0	20.0	20.6	19.0	20.0	22.6	17.5	15.9	15.9	16.5	22.6
Pesistency of the wind	%													

x) 1000 mb should be added to these values

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