

AVERAGE MONTHLY AND SEASONAL TEMPERATURES OF THE KRUGER NATIONAL PARK

Compiled by N Zambatis (Scientific Services, Kruger National Park) from

"Climate of South Africa. Climate Statistics up to 1984".

WB 40, Weather Bureau.

REST CAMP	SPRING									SUMMER								
	*AVERAGE TEMPERATURE			AVERAGE DAILY MAXIMUM			AVERAGE DAILY MINIMUM			*AVERAGE TEMPERATURE			AVERAGE DAILY MAXIMUM			AVERAGE DAILY MINIMUM		
	SEP	OCT	NOV	SEP	OCT	NOV	SEP	OCT	NOV	DEC	JAN	FEB	DEC	JAN	FEB	DEC	JAN	FEB
PUNDA MARIA	21.9	24.2	25.0	28.7	30.5	31.0	15.2	17.7	18.8	26.1	25.9	25.4	32.3	31.6	30.7	20.0	20.3	20.2
SHINGWEDZI	22.2	24.2	26.1	30.8	31.5	32.6	13.8	17.1	19.5	27.1	28.1	27.1	33.5	34.2	33.1	20.5	21.5	20.9
LETABA	22.3	24.2	25.7	30.4	31.1	31.8	14.2	17.2	19.4	27.1	27.9	27.5	33.4	34.2	33.5	20.8	21.8	21.3
SATARA	21.4	23.6	24.3	29.5	30.7	30.6	13.3	16.5	18.0	26.0	27.1	26.7	32.3	33.4	32.9	19.8	20.8	20.5
SKUKUZA	21.0	23.2	24.5	29.2	30.1	30.8	12.8	16.2	18.2	25.7	26.5	26.1	32.0	32.5	31.9	19.4	20.5	20.3
PRETORIUSKOP	20.8	21.5	22.8	28.0	27.8	28.6	13.6	15.0	17.0	23.7	24.9	24.5	29.7	30.9	30.1	18.0	18.8	18.5
AVERAGE FOR KNP FOR MONTH	21.6	23.5	24.7	29.4	30.3	30.9	13.8	16.6	18.5	26.0	26.7	26.2	32.2	32.8	32.0	19.8	20.6	20.3
AVERAGE FOR KNP FOR SEASON	23.3			30.2			16.3			26.3			32.3			20.2		

REST CAMP	AUTUMN									WINTER								
	*Average Temperature			Average Daily Maximum			Average Daily Minimum			*Average Temperature			Average Daily Maximum			Average Daily Minimum		
	MAR	APR	MAY	MAR	APR	MAY	MAR	APR	MAY	JUN	JUL	AUG	JUN	JUL	AUG	JUN	JUL	AUG
PUNDA MARIA	24.7	23.3	20.4	30.0	29.3	26.7	19.3	17.2	14.1	18.1	18.3	19.9	24.5	24.8	26.7	11.8	11.7	13.1
SHINGWEDZI	25.9	23.2	19.9	32.4	30.4	28.2	19.5	16.3	11.3	16.7	16.9	18.9	25.7	26.2	28.0	7.6	7.6	9.9
LETABA	26.2	23.7	20.1	32.5	30.4	28.3	19.9	16.7	11.9	16.9	16.8	19.2	25.9	25.9	27.9	7.9	7.6	10.5
SATARA	24.9	22.8	19.5	31.3	29.8	27.7	18.8	15.7	11.3	16.7	16.2	18.5	25.4	24.8	27.0	8.0	7.6	10.0
SKUKUZA	25.1	22.7	19.0	31.2	29.7	27.9	19.0	15.6	10.0	15.7	15.7	18.0	25.8	25.8	27.3	5.6	5.6	8.6
PRETORIUSKOP	23.7	21.2	18.9	29.7	27.2	25.7	17.5	15.0	11.9	16.5	16.8	18.6	23.7	23.9	25.7	9.3	9.6	11.3
AVERAGE FOR KNP FOR MONTH	25.1	22.8	19.6	31.2	29.5	27.4	19.0	16.1	11.8	16.8	16.8	18.9	25.2	25.2	27.1	8.4	8.3	10.6
AVERAGE FOR KNP FOR SEASON	22.5			29.4			15.6			17.5			25.8			9.1		

Average Monthly And Seasonal Temperatures Of The Kruger National Park

OVERALL AVERAGE SEASONAL TEMPERATURES PER CAMP

Temperatures in the following table are overall averages for the 3-month period of each station.

REST CAMP	SPRING (Sep - Nov)			SUMMER (Dec - Feb)			AUTUMN (Mar - May)			WINTER (Jun - Aug)		
	*Average Temperature	Average Daily Maximum	Average Daily Minimum	*Average Temperature	Average Daily Maximum	Average Daily Minimum	*Average Temperature	Average Daily Maximum	Average Daily Minimum	*Average Temperature	Average Daily Maximum	Average Daily Minimum
PUNDA MARIA	23.7	30.1	17.2	25.8	31.5	20.2	22.8	28.7	16.9	18.8	25.3	12.2
SHINGWEDZI	24.2	31.6	16.8	27.4	33.6	21.0	23.0	30.3	15.7	17.5	26.6	8.4
LETABA	24.1	31.1	16.9	27.5	33.7	21.3	23.3	30.4	16.2	17.6	26.6	8.7
SATARA	23.1	30.3	15.9	26.6	32.9	20.4	22.4	29.6	15.3	17.1	25.7	8.5
SKUKUZA	22.9	30.0	15.7	26.1	32.1	20.1	22.3	29.6	14.9	16.5	26.3	6.6
PRETORIUSKOP	21.7	28.1	15.2	24.4	30.2	18.4	21.3	27.5	14.8	17.3	24.4	10.1
Average for KNP for season	23.3	30.2	16.3	26.3	32.3	20.2	22.5	29.4	15.6	17.5	25.8	9.1

All temperatures in °C

*Average temperature = $\frac{\text{Maximum} + \text{Minimum}}{2}$

Seasons as defined by the Weather Bureau:

Spring: 1 September to 30 November
 Summer: 1 December to end February
 Autumn: 1 March to 31 May
 Winter: 1 June to 31 August

Periods:

Punda Maria 1940-1956; 1981-1984
 Shingwedzi 1960-1984
 Letaba 1951-1984
 Satara 1960-1971
 Skukuza 1907-1984
 Pretoriuskop 1959-1984

To convert from Celsius to Fahrenheit: Multiply °C by 9, divide the answer by 5 and add 32

E.g.: $30^{\circ}\text{C} = [(9 \times 30)/5] + 32 = 86^{\circ}\text{F}$

AVERAGE TOTAL MONTHLY RAINFALL (mm) AT THE MAIN CAMPS

REST CAMP	MONTH												ANNUAL TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PUNDA MARIA	112	101	59	33	10	6	5	4	13	29	68	92	532
SHINGWEDZI	93	97	47	29	11	5	5	5	20	36	64	92	504
LETABA	85	77	42	27	10	4	7	6	15	31	67	87	458
SATARA	92	100	70	28	12	7	7	7	18	37	75	94	547
SKUKUZA	96	92	72	35	14	8	9	7	24	35	75	86	553
PRETORIUSKOP	129	111	92	52	19	9	10	12	28	55	100	119	746
AVERAGE NUMBER OF DAYS WITH RAIN IN THE KNP	7	7	6	3	2	1	1	1	2	4	6	7	47

Source: N Zambatis 2003. Determinants of grass production and composition in the Kruger National Park. MSc (Agric.) dissertation, University of Natal, Pietermaritzburg.