

**CLIMATE OF SOUTH AFRICA**

**WB 42**

**CLIMATE STATISTICS**

**1981 - 2010**

Number: 0123685 X

Name: QUEENSTOWN

φ = 31° 55' S

λ = 26° 52' E

HT:1104 m

Period: 1986-2010

**TABLE 1 - AIR TEMPERATURE IN DEGREES CELSIUS**

	AVERAGE OF DAILY				MAXIMUM (TX) P = 25 Years										MINIMUM (TN) P = 25 Years														
	MAX	MIN	MEAN	RANGE	HIGHEST (TXX)		AVERAGE NUMBER OF DAYS WITH TX						LOWEST (TXN)		HIGHEST (TNX)		AVERAGE NUMBER OF DAYS WITH TN						LOWEST (TNN)						
	TX	TN	(TX+TN)/2	TX - TN	MAX	YY/DD	MEAN	>=35	>=30	>=25	>=20	>=15	<10	MEAN	MIN	YY/DD	MAX	YY/DD	MEAN	>=20	<15	<10	<5	<0	<-5	MEAN	MIN	YY/DD	
J	28.9	15.0	22.0	13.9	41.1	93/07	35.5	2.7	11.7	20.9	24.4	26.0	0.0	17.5	14.2	00/15	29	02/10	19.6	0.6	12.1	0.9	0.0	0.0	0.0	9.3	5	81/01	J
F	28.5	15.0	21.8	13.6	40.0	83/26	35.9	2.5	11.8	20.8	25.4	27.2	0.0	18.1	14.7	89/16	23	87/23	19.1	0.4	12.1	1.1	0.1	0.0	0.0	9.8	3.2	05/23	F
M	26.6	13.1	19.9	13.5	38.5	92/11	32.9	0.8	8.4	19.5	26.5	29.2	0.0	16.0	12.5	86/24	21.5	03/18	17.4	0.1	20.4	4.5	0.4	0.0	0.0	6.4	1.7	82/29	M
A	24.1	9.6	16.9	14.5	34.3	92/09	29.9	0.0	2.9	13.6	22.5	26.5	0.1	13.3	9.2	08/20	19.5	93/11	15.7	0.0	26.6	14.0	3.2	0.0	0.0	2.2	-3	81/02	A
M	21.2	6.0	13.6	15.2	32.0	83/01	27.0	0.0	0.1	6.1	19.4	27.0	0.5	12.1	6.1	97/28	23.8	92/21	14.9	0.1	29.1	24.8	12.0	2.2	0.1	-1.5	-6.2	83/31	M
J	18.2	3.4	10.8	14.8	26.7	86/01	23.8	0.0	0.0	0.3	11.4	23.8	1.1	9.8	5.8	97/12	19	96/07	13.4	0.0	29.4	26.8	19.4	8.2	0.2	-4.1	-6.8	81/01	J
J	18.3	3.1	10.7	15.3	26.6	05/25	23.9	0.0	0.0	0.4	12.5	24.6	1.0	9.5	6.0	82/02	17.4	95/26	14.4	0.0	30.1	27.4	20.6	9.0	0.8	-4.7	-7	81/22	J
A	20.3	5.0	12.7	15.3	30.4	10/30	27.5	0.0	0.0	6.4	18.2	26.4	0.9	10.4	5.5	81/28	20	82/31	16.1	0.1	30.5	27.0	16.8	4.1	0.1	-3.0	-6.3	81/01	A
S	23.2	7.4	15.3	15.8	35.5	83/30	32.2	0.1	3.4	12.6	21.3	26.8	0.4	11.4	4.5	08/20	22.4	94/17	17.2	0.2	28.4	22.1	8.2	0.8	0.0	0.3	-2.6	01/26	S
O	24.4	9.9	17.1	14.5	36.7	02/17	33.5	0.2	5.8	15.4	23.4	28.3	0.1	12.4	8.0	90/18	22.8	83/17	17.5	0.2	28.4	14.7	2.4	0.0	0.0	3.3	0	84/28	O
N	26.3	11.8	19.0	14.5	39.5	95/15	35.3	1.2	8.8	18.8	25.4	29.0	0.0	15.1	10.6	05/04	22.8	97/16	17.4	0.1	25.2	7.6	0.7	0.1	0.0	5.2	-0.7	98/07	N
D	28.1	13.6	20.8	14.6	39.6	09/22	35.0	2.5	10.8	21.5	26.6	28.3	0.0	17.0	12.9	93/04	21.4	90/29	17.7	0.2	19.8	2.4	0.2	0.0	0.0	7.4	4	87/17	D
YR	23.9	9.2	16.6	14.6	41.1	93/07	38.1	10	64	156	257	323	4	7.6	14.7	89/16	29	02/10	21.4	2	292	173	84	24	1	-5.2	-6.8	81/01	YR

**TABLE 2 - PRECIPITATION (and FOG), DRY- AND WETBULB TEMPERATURES, RELATIVE HUMIDITY and CLOUD COVER**

MONTH	PRECIPITATION (R mm) P = 25 Years							P = 25 Years							TEMPERATURE (°C)						REL HUM (%)				CLOUD (eighths)							
	TOT	24 HOUR MAX		TOTAL PER MONTH / YEAR			AVERAGE NO. OF DAYS WITH R (mm) >=						AVE NO OF DAYS WITH				MEAN on the hour			MEAN on the hour			MEAN on the hour		MEAN		MEAN on the hour					
		RXX	YY/DD	MAX	YEAR	MIN	YEAR	0.1		1	5	10	30	TH	HA	SN	FOG	DRY BULB (P = 25 years)			WET BULB (P = 25 year)			P=25 Years		MAX	MIN	P=25 Years				
	8	14	20	8	14	20	8	14	20	8	14	20	8	14	20	8	14	20	8	14	20	8	14	20	8	14	20					
J	63	58	91/22	157	2006	0	1999	8.5	19	0	6.2	3.5	2.2	0.3				18.6	27.5	20.1	15.9	18.6	17.1	78	47	75	97	18	2.5	2.3	2.6	J
F	65	78	91/05	189	1985	0	1999	8.6	19	0	6.4	3.7	2.2	0.3				17.8	26.9	20.2	15.4	18.3	16.9	83	49	75	98	18	4.4	4.1	4.3	F
M	47	67	07/04	130	2000	0	1999	7.3	15	0	5.2	2.6	1.3	0.2				15.8	25.3	18.6	13.7	16.8	15.3	86	50	75	99	18	4.0	3.7	3.6	M
A	29	39	00/03	110	1989	0	2003	5.7	13	0	4.1	1.8	1.0	0.0				12.4	22.8	16.0	10.4	14.8	12.7	84	45	69	98	18	3.5	3.3	2.6	A
M	12	24	81/28	58	1981	0	1986	3.3	9	0	2.1	0.7	0.4	0.0				8.8	20.2	13.3	6.5	12.1	9.4	77	39	60	98	17	2.7	2.6	1.7	M
J	10	25	82/14	46	1982	0	1995	3.2	11	0	1.8	0.6	0.2	0.0				5.9	17.3	10.7	3.4	9.7	6.8	72	38	56	99	15	2.5	2.5	1.8	J
J	9	51	83/24	64	1983	0	2003	2.4	9	0	1.2	0.4	0.2	0.1				5.6	17.4	11.0	2.7	9.4	6.4	68	35	51	97	12	2.2	2.2	1.4	J
A	12	31	98/22	51	1981	0	2004	2.6	9	0	1.7	0.8	0.3	0.0				8.1	19.2	13.0	4.9	10.5	8.2	68	33	51	98	10	2.8	2.5	2.0	A
S	17	49	87/26	120	1987	0	2004	3.6	12	0	2.3	0.9	0.5	0.1				11.3	22.0	15.3	8.0	12.4	10.3	71	34	57	98	9	3.6	3.2	2.7	S
O	41	39	89/02	133	1985	0	1991	7.1	14	0	5.1	2.3	1.3	0.2				14.0	22.9	15.8	11.0	14.1	12.3	76	43	70	98	11	4.3	4.0	3.9	O
N	58	48	85/02	142	1989	0	1991	8.2	16	0	6.1	3.4	2.1	0.2				16.2	24.7	17.4	13.1	15.8	14.2	74	43	72	98	13	4.2	3.9	4.1	N
D	52	120	81/05	173	2004	0	1999	8.0	16	0	6.1	3.3	1.6	0.2				17.8	26.5	18.9	14.6	17.4	15.7	75	44	73	96	18	3.6	3.4	3.9	D
YR	413	120	81/05	700	2000	61	1999	68.6	100	15	48	24	14	2				12.5	22.6	15.7	9.7	13.9	11.8	76	41	65	99	7	3.3	3.1	2.8	YR

Period = years covering the data for all the columns of both tables. P = Average number of years covering the data in the columns concerned. TX = Average maximum, TN = Average minimum air temperature  
TXX = Highest maximum, MAX = highest in P years. TXN = Lowest maximum, MIN = lowest in P years. TNX = Highest minimum, MAX = highest in P years. TNN = Lowest minimum, MIN = lowest in P years.  
-- = MEAN = AVE = AVERAGE e.g. 08, 14, 20 = MEANS of observations which were made on these hours (SAST). YY/DD = Year/Day of occurrence of the extreme in the previous column.  
(Number of days (NOD) with TX >= 10) = (NOD in the month - NOD with TX < 10). TH = Thunder, HA = Hail, SN = Snow, FOG = fog. > signifies greater than, >= signifies greater than or equal to.  
(Number of days (NOD) with TN < 20) = (NOD in the month - NOD with TN >= 20). < signifies less than, <= signifies less than or equal to.

