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**Climate change and agropastoral sustainability in the
Shashe/Limpopo river basin from AD 900**

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APPENDIX B: RECENT CLIMATE DATA FOR NORTHERN LIMPOPO PROVINCE

Table B.1: Northern Limpopo Province precipitation record 1975 to 1998

Levubu	Year Total	Season Total	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year ±
1975	1382.8		253.8	337.6	119.9	141.8	31.5	17.4	0.0	9.5	3.7	29.6	63.8	374.2	134.8
1976	1358.2	1538.0	425.9	236.5	208.8	83.6	95.2	7.2	1.3	3.6	8.8	27.0	175.3	85.0	128.7
1977	1642.5	1403.5	202.0	432.3	449.3	15.9	1.8	1.2	0.0	28.4	141.6	77.7	72.5	219.8	161.1
1978	1441.3	1630.5	472.7	379.2	185.1	35.7	14.9	2.9	15.6	4.3	15.1	53.9	175.8	86.1	157.1
1979	760.3	351.7	165.3	49.6	99.7	14.9	15.2	7.0	9.3	46.3	8.0	98.2	120.8	126.0	56.0
1980	1085.2	1033.5	233.4	172.8	190.0	25.2	3.2	0.3	3.7	24.5	26.6	45.4	258.8	101.3	97.0
1981	1539.6	1611.5	452.0	417.9	223.3	14.3	43.7	0.0	0.7	57.4	48.3	62.3	183.8	35.9	159.0
1982	353.9	606.8	50.5	43.8	31.4	34.1	58.6	0.0	2.1	0.1	1.1	89.4	18.1	24.7	27.9
1983	431.1	342.3	65.4	17.0	106.1	4.2	4.1	10.0	8.4	28.4	2.4	57.7	81.0	46.4	34.9
1984	915.9	538.8	42.6	46.6	142.1	61.2	0.0	22.0	101.2	13.0	35.3	157.5	238.9	55.5	70.8
1985	1046.0	1127.6	119.1	153.1	99.1	15.2	69.7	70.0	3.5	0.4	147.5	73.4	24.5	270.5	78.2
1986	564.9	742.1	36.0	18.0	12.0	146.2	9.4	0.7	0.0	14.1	30.9	82.0	152.3	63.3	53.7
1987	1077.2	744.9	81.7	117.4	91.7	71.8	7.7	21.0	0.0	34.4	96.6	140.0	55.0	359.6	95.5
1988	1109.0	1341.1	138.1	284.4	150.3	35.6	10.8	36.0	0.0	25.2	60.3	261.1	40.5	66.7	95.9
1989	672.4	701.8	4.7	176.1	7.8	24.1	13.1	22.2	8.0	11.4	3.0	144.1	97.5	160.4	68.0
1990	626.2	804.5	177.5	44.9	115.1	33.8	8.5	0.3	4.6	11.9	0.0	26.7	55.1	147.8	61.1
1991	877.5	1027.9	327.7	107.2	286.8	3.7	49.6	6.8	1.0		5.3	3.1	37.2	49.1	117.3
1992	722.0	276.3	20.6	57.6	45.1	3.3	9.0	54.0	0.0	19.4	4.3	24.3	107.0	386.4	107.0
1993	776.7	904.7	71.1	226.0	31.1	27.3	1.7	6.1	15.3	16.9	2.3	35.5	206.5	136.9	80.2
1994	508.9	707.6	190.2	53.7	29.8	16.8	2.6	1.1	0.0	6.3	12.0	38.9	84.6	72.9	54.6
1995	974.5	833.0	143.3	279.1	98.5	77.6	19.8		1.5	13.6	4.8	19.2	175.9	141.2	89.3
1996	1619.8	1580.7	375.8	623.2	46.6	55.2	108.7	15.0	96.2	45.9	4.9	79.8	89.3	79.2	181.0
1997	948.8	984.9	236.8	124.2	183.3	25.7	19.6	0.0	8.8	3.1	89.2	85.9	117.8	54.4	75.9
1998	1039.8	705.8	276.0	28.0	31.3	11.3	0.0	0.0	33.3	6.4	47.0	146.5	142.3	317.7	110.4
Mean	978.1	936.5	190.1	184.4	124.3	40.8	24.9	13.1	13.1	18.5	33.3	77.5	115.6	144.2	
±	373.2	416.4	140.4	161.3	101.8	39.2	30.6	18.4	27.4	15.7	43.8	58.4	68.0	114.5	

Table B.1 con't.

Pietersburg	Year Total	Season Total	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year ±
1975	575.9		158.6	81.5	43.4	49.2	46.7	3.6	0.0	0.5	0.0	0.4	45.5	146.5	55.8
1976	453.9	452.4	22.8	78.7	108.4	30.9	18.7	0.0	0.0	0.0	4.2	22.3	130.7	37.2	44.3
1977	973.9	392.2	546.0	39.8	53.6	95.5	9.6	0.0	0.0	1.3	86.8	7.9	13.4	120.0	152.2
1978	577.9	546.0	111.9	115.7	78.6	7.8	2.6	0.0	0.1	0.2	6.1	56.7	93.8	104.4	49.8
1979	572.0	270.0	79.8	64.6	83.5	29.8	12.2	1.0	1.0	74.5	6.1	39.4	112.5	67.6	37.7
1980	606.7	603.7	123.4	131.4	3.2	42.2	2.4	0.0	0.0	0.0	40.7	31.0	121.2	111.2	55.0
1981	581.0	743.8	157.0	104.7	121.2	36.5	19.3	1.0	0.0	3.1	19.2	29.8	63.9	25.3	52.1
1982	482.5	395.3	85.9	54.2	0.9	72.1	40.9	0.0	0.0	0.0	4.7	87.5	74.5	61.8	36.7
1983	585.5	572.3	62.5	62.5	158.4	43.4	10.2	6.8	0.0	8.7	0.6	43.8	97.3	91.6	48.8
1984	472.7	402.8	55.3	61.4	27.3	12.8	0.0	4.0	43.8	0.1	40.8	64.9	129.9	32.4	36.7
1985	631.3	835.1	140.1	93.9	56.7		61.9	0.0	1.0	24.5	27.5	62.2	55.5	108.0	43.9
1986	387.5	214.6	27.2	23.8	7.1	45.0	2.6	0.9	0.0	0.0	4.9	52.6	119.6	103.8	41.3
1987	541.2	510.0	98.4	81.1	47.6	1.9	0.1	0.0	0.0	32.0	16.5	34.0	109.6	120.0	45.7
1988	360.8	476.7	52.8	41.5	42.3	4.3	0.0	23.7	0.0	0.0	11.1	72.4	47.3	65.4	26.8
1989	512.8	435.0	24.8	60.4	93.0	32.7	6.9	21.0	0.0	8.0	0.0	61.4	107.2	97.4	39.7
1990	420.5	480.1	71.1	41.4	50.1	42.2	1.3	0.0	0.0	0.0	1.4	22.2	117.6	73.2	38.1
1991	430.4	524.1	150.1	81.0	46.2	2.2	21.9	8.3	0.0	0.0	0.0	0.6	101.7	18.4	49.6
1992	334.0	301.8	104.0	45.7	19.1	12.3	0.0	0.0	0.0	0.0	0.0	24.2	40.2	88.5	35.9
1993	414.5	269.2	18.3	36.1	25.7	36.0	0.0	0.2	2.0	14.9	17.8	18.4	130.7	114.4	43.0
1994	386.4	424.3	20.8	25.4	42.1	37.8	0.0	0.0	0.0	7.4	1.3	43.3	75.2	133.1	39.5
1995	653.2	695.9	146.6	13.5	174.1	93.9	7.5	0.0	0.0	0.3	0.2	28.7	97.8	90.6	63.2
1996	950.4	883.6	181.2	331.4	77.2	0.1	65.0	5.1	28.1	0.0	5.3	67.1	49.2	134.7	97.4
1997	623.3	722.1	267.4	60.3	86.0	5.6	18.4	0.0	0.0	0.0	1.6	58.5	119.3	6.2	78.8
1998	436.5	306.0	19.3	40.5	37.4	23.2	0.0	0.0	0.0	0.0	7.9	65.5	118.7	124.0	44.6
Mean	540.2	474.4	117.7	75.2	62.9	33.4	15.1	3.3	3.3	7.6	12.9	40.4	89.3	84.9	
±	159.7	209.8	112.2	63.2	45.9	27.5	19.8	6.5	10.6	16.9	20.3	23.6	34.4	39.7	

Table B.1 con't.

Mara	Year Total	Season Total	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year ±
1975	586.3		166.1	83.1	7.6	68.0	15.6	10.0	0.0	1.0	0.1	1.5	44.0	189.3	66.5
1976	675.2	731.2	214.3	110.1	75.2	49.7	44.4	1.6	0.0	0.0	2.3	39.1	97.3	41.2	62.4
1977	673.7	632.1	110.6	81.2	236.3	10.0	14.1	0.0	0.0	1.1	54.6	21.9	6.1	137.8	73.6
1978	650.1	586.7	190.0	74.3	65.5	24.6	10.8	0.0	0.6	0.0	11.6	27.5	96.0	149.2	63.1
1979	395.2	187.0	97.1	24.7	46.5	9.0	6.9	2.8	0.8	52.2	0.0	51.0	32.2	72.0	31.4
1980	730.2	685.4	215.5	191.3	18.5	50.6	1.3	0.0	0.0	3.0	51.4	34.5	136.2	27.9	76.7
1981	236.7	595.3	236.7	27.8	57.9	15.3	4.6	0.0	0.0	0.3	15.5	25.8	102.2	55.2	67.7
1982	234.1	317.4	36.3	24.3	2.6	17.5	37.7	0.0	0.0	0.0	0.4	38.6	32.6	44.1	18.0
1983	291.0	279.3	13.8	43.6	69.3	24.3	10.8	1.8	2.0	10.9	0.0	5.2	65.7	43.6	25.1
1984	351.0	268.0	21.0	2.1	66.6	50.9	0.0	0.0	30.3	0.0	19.1	51.5	98.8	10.7	31.6
1985	647.9	520.7	89.9	132.1	18.1	6.8	59.4	4.0	0.0	6.0	118.4	62.2	14.1	136.9	53.4
1986	388.4	496.2	3.9	24.4	11.5	115.0	3.5	0.3	0.1	0.0	4.3	34.1	58.3	133.0	46.4
1987	379.0	399.3	75.4	21.3	70.8	1.0	0.7	0.3	0.0	0.0	8.3	37.6	63.6	100.0	36.6
1988	412.2	419.5	38.1	48.2	49.7	15.3	2.0	56.7	0.0	0.5	6.8	129.4	9.2	56.3	37.6
1989	478.7	320.2	3.0	57.6	29.7	12.9	1.8	13.0	3.5	0.0	0.0	70.8	107.4	179.0	55.6
1990	358.7	565.1	49.6	15.1	99.9	39.8	0.0	0.0		0.2	0.7	24.8	95.6	33.0	36.6
1991	462.6	463.5	144.8	65.8	66.8	3.6	26.3	1.9	0.2	0.0	13.4	0.3	91.1	48.4	46.2
1992	360.7	257.5	70.4	24.4	7.7	0.4	0.0	1.2	0.0	0.0	0.0	18.6	53.2	184.8	54.0
1993	516.8	467.0	101.3	80.4	17.3	4.2	7.2	0.0	1.6	1.0	1.2	20.5	158.2	123.9	56.9
1994	163.1	373.2	34.5	11.0	18.4	2.0	0.0	0.0	0.0	0.7	0.0	30.3	16.0	50.2	16.9
1995	520.0	482.4	30.2	75.2	169.1	80.7	30.0	0.0	0.0	2.7	1.1	18.9	45.4	66.7	49.5
1996	633.0	560.0	95.2	213.3	61.3	5.8	48.0	1.2	53.6	0.6	4.4	10.0	96.6	42.6	61.4
1997	653.1	700.8	156.4	183.4	140.2	6.2	6.8	0.0	0.0	0.1	24.8	84.4	47.8	3.0	69.0
1998	338.5	297.6	106.9	4.4	9.0	17.2	0.0	0.0	0.1	0.7	7.3	20.0	52.1	120.8	42.7
Mean	464.0	461.1	95.9	67.5	59.0	26.3	13.8	4.0	4.0	3.4	14.4	35.8	67.5	85.4	
±	162.7	156.2	71.0	60.1	56.5	29.3	17.6	11.7	12.5	10.7	26.7	28.9	40.5	57.0	

Table B.1 con't.

Alldays	Year Total	Season Total	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year ±
1975	438.5		110.0	23.0	25.0	61.5	7.0	0.0	0.0	0.0	0.0	0.0	126.0	86.0	47.0
1976	465.0	561.0	89.0	114.0	105.5	20.0	20.5	0.0	0.0	0.0	0.0	39.5	40.0	36.5	41.9
1977	488.4	394.0	59.1	64.2	144.7	10.0	0.0	0.0	0.0	0.0	58.0	17.0		135.4	53.8
1978	585.0	636.4	270.0	107.5	21.0	27.5	0.0	0.0	0.0	0.0	20.0	45.5	50.0	43.5	76.3
1979	181.3	76.5	51.0	13.5	12.0	0.0	0.0	0.0	0.0	34.8	0.0	45.0	22.0	3.0	18.9
1980	643.8	541.6	222.8	147.0	43.0	24.0	0.0	0.0	0.0	0.0	16.0	35.0	108.0	48.0	70.4
1981	432.2	551.2	262.2	30.5	33.5	18.0	0.0	0.0	0.0	0.0	0.0	14.0	53.0	21.0	73.2
1982	167.0	177.0	35.0	6.5	0.0	21.0	26.5	0.0	0.0	0.0	0.0	22.0	50.0	6.0	16.8
1983	186.5	182.5	0.0	0.0	30.5	52.0	22.0	0.0	0.0	11.0	0.0	7.0	21.0	43.0	18.3
1984	292.5	215.5	28.0	44.5	50.5	10.5	0.0	0.0	0.0	0.0	29.0	46.0	74.0	10.0	24.9
1985	333.0	328.0	52.0	107.0	0.0	0.0	10.0	0.0	0.0	0.0	44.0	72.0	15.0	33.0	35.0
1986	254.1	292.0	0.0	15.0	43.0	70.0	0.0	0.0	0.0	0.0	10.1	14.0	52.0	50.0	25.4
1987	228.5	186.6	40.5	20.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	33.0	113.0	33.1
1988	234.8	335.8	69.0	21.5	66.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.0	29.5
1989	244.9	161.9	0.0	64.0	21.5	9.4	0.0	0.0	0.0	0.0	0.0	25.0	82.0	43.0	28.4
1990	207.0	245.5	32.5	18.5	39.0	5.5	0.0	0.0	0.0	0.0	0.0	1.5	35.0	75.0	23.8
1991	319.0	357.8	81.0	81.5	46.3	0.0	37.5	0.0	0.0		9.0	0.0	32.7	31.0	31.0
1992	225.7	226.7	61.3	57.4	35.3	0.0	0.0	0.0	0.0	0.0	0.0	49.2	22.5	0.0	25.2
1993	269.4	152.4		8.2		5.8	0.0	3.4	3.0	0.2	0.0	2.6	154.6	99.8	54.0
1994	184.2	389.0	100.8		1.0	18.8	0.0	0.0	0.0	0.0	0.0	18.2	10.8	34.6	30.1
1995	448.2	322.2	125.0	32.4	66.4	51.0	34.0	1.8	0.0	0.2	4.0	21.0	93.0	19.4	40.0
1996	401.8	341.4	45.4	140.0	7.2	1.0	9.2	0.0	52.6	0.0	3.2	6.4	118.6	18.2	48.2
1997	424.2	492.0	32.6	59.0	169.6	15.8	6.0	0.0	0.0	0.2	27.8	32.8	39.6	40.8	46.4
1998	313.0	244.8	33.8	10.8	59.0	0.0	0.0	0.0	0.0	0.0	4.6	36.6	69.2	99.0	33.7
Mean	332.0	322.3	78.3	51.6	44.3	18.0	7.2	0.2	2.3	2.0	10.3	22.9	56.6	48.2	342.0
±	133.7	151.3	76.6	44.7	44.1	20.6	11.8	0.8	10.7	7.5	15.8	19.8	40.6	36.5	

Table B.1 con't.

Pont Drift	Year Total	Season Total	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year $\pm$
1975															
1976															
1977															
1978															
1979	315.5	182.1	46.5	17.5	41.9	0.0	4.5	0.0	0.0	13.3	0.0	32.5	58.8	100.5	31.2
1980	423.2	488.9	204.2	72.6	7.0	0.0	0.0	0.0	0.0	0.0	15.2	6.5	117.7	0.0	64.8
1981	438.8	426.7	148.8	34.5	67.0	37.0	0.0	0.0	0.0	0.0	0.0	10.5	102.5	38.5	47.9
1982	223.5	277.0	37.5	35.0	0.0	24.0	29.0	0.0	0.0	0.0	0.0	72.0	26.0	0.0	22.9
1983	237.5	188.0	34.5	10.5	16.5	13.0	15.5	0.0	0.0	9.0	0.0	8.0	32.5	98.0	27.1
1984	313.5	233.5	27.5	7.5	44.0	7.0	0.0	0.0	0.0	0.0	14.0	46.5	137.0	30.0	38.9
1985	571.0	419.0	74.5	55.5	49.5	0.0	12.0	0.0	0.0	0.0	79.0	148.5	22.0	130.0	52.0
1986	279.5	542.0	62.0	55.0	0.0	45.5	0.0	0.0	0.0	0.0	10.0	22.0	42.0	43.0	24.5
1987	298.5	283.5	109.0	12.0	45.5	0.0	0.0	0.0	0.0	3.0	23.0	4.0	0.0	102.0	40.0
1988	272.5	353.5	46.5	49.0	58.0	2.0	0.0	65.0	0.0	0.0	0.0	31.5	6.0	14.5	25.6
1989	180.0	140.0	2.5	11.0	34.0	28.0	0.0	13.0	4.5	0.0	0.0	18.0	61.0	8.0	18.3
1990	263.0	199.5	52.5	1.0	11.5	43.0	0.0	0.0	0.0	0.0	0.0	7.0	47.0	101.0	32.2
1991	452.5	502.5	178.0	42.0	109.0	1.5	14.0	0.0	0.0		14.0	0.0	77.5	13.5	57.9
1992	232.5	152.5	4.5	16.0	25.0	0.0	0.0	2.0	0.0	0.0	0.0	30.0	41.0	114.0	33.0
1993	324.0	281.0	41.5	49.0	0.0	6.0	0.0	0.0	22.0	0.0	0.0	4.0	134.0	67.5	40.9
1994	144.0	284.5	7.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	32.0	35.0	17.8
1995	353.0	390.0	99.0	16.0	143.0	15.0	30.0	0.0	0.0	0.0	0.0	3.0	22.0	25.0	45.1
1996	474.1	348.4	164.1	95.8	9.5	0.0	29.0	0.0	48.0	0.0	0.0	0.0	66.7	61.0	51.2
1997	261.5	370.2	75.5	0.0	108.5	9.5	1.0	0.0	0.0	1.0	29.0	6.0	29.0	2.0	35.1
1998	364.0	135.0	48.5	8.5	11.5	0.0	0.0	0.0	0.0	0.0	1.3	67.5	100.2	126.5	44.8
Mean	321.1	309.9	73.2	31.9	39.1	11.6	6.8	4.0	3.7	1.4	9.3	26.9	57.7	55.5	
$\pm$	107.0	125.4	59.2	26.1	41.1	15.5	10.9	14.7	11.5	3.6	18.7	35.5	41.2	45.6	

Table B.1 con't.

Messina	Year Total	Season Total	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year ±
1975	434.0		106.1	89.6	17.5	49.5	1.0	9.4	0.0	0.0	0.0	8.5	15.5	136.9	48.1
1976	423.8	490.4	106.0	39.1	71.3	53.5	59.6	0.0	0.0	0.0	7.6	40.5	12.6	33.6	33.4
1977	481.3	362.4	82.3	112.2	68.0	5.6	0.0	0.0	0.0	1.3	37.7	23.2	16.6	134.4	47.7
1978	527.5	622.9	199.2	127.4	30.0	48.6		4.5			0.2	88.6		29.0	68.8
1979	254.6	161.4	65.8	35.1	59.4	0.0	1.1	0.0	0.0	21.5	1.5	29.0	29.2	12.0	23.3
1980	392.7	282.9	80.4	66.3	42.0	1.0	0.0	0.0	0.0	0.0	4.2	14.5	143.7	40.6	45.0
1981	382.6	489.3	119.9	105.7	33.4	27.3	0.0	0.0	0.0	0.1	1.4	7.7	87.1	0.0	45.6
1982	191.1	252.8	33.1	60.6	0.3	20.5	42.0	0.0	0.7	0.0	0.7	12.1	9.1	12.0	19.7
1983	162.8	82.1	10.1	12.9	18.3	1.2	4.5	0.5	3.3	10.4	0.0	1.8	67.1	32.1	19.3
1984	368.2	286.7	35.1	18.6	65.5	52.2	0.0	0.0	10.4	0.0	10.0	63.0	100.6	12.8	32.7
1985	409.9	392.0	90.1	35.1	43.9	0.0	26.1	0.0	0.6	0.0	103.4	41.4	35.2	34.1	34.1
1986	353.6	497.3	39.8	73.8	26.4	141.2	1.4	0.0	0.0	0.0	6.5	17.1	14.7	32.1	41.4
1987	412.0	226.8	63.0	40.3	51.2	0.0	1.3	0.0	0.0	0.5	34.1	5.0	4.7	211.9	60.4
1988	308.5	460.9	11.9	57.6	52.9	13.8	0.5	68.0	0.0	0.0	0.0	56.7	9.0	38.1	26.8
1989	193.5	148.7	0.0	19.6	13.2	11.3	0.0	0.8	1.1	0.0	0.0	41.7	79.4	26.4	23.9
1990	227.6	311.2	77.4	42.2	28.1	14.9	0.0	0.0	0.0	0.0	0.0	5.5	15.5	44.0	24.6
1991	410.3	332.9	132.4	29.7	73.4	9.5	22.2	0.7	0.0	0.0	5.6	0.0	120.9	15.9	47.9
1992	244.4	247.4	30.2	55.1	18.7	0.0	0.0	1.0	0.0	0.0	0.0	21.0	46.0	72.4	25.4
1993	376.7	265.3	80.5	26.8	5.9	12.5	0.2	0.0	19.8	0.0	0.0	12.0	139.9	79.1	44.6
1994	224.1	347.8	80.9	5.8	9.6	0.0	0.2	0.5	0.5	0.0	0.0	13.7	21.0	91.9	32.4
1995	138.0	229.5	53.3	0.3	16.0	26.0	6.8	0.0	0.0	0.0	0.0	0.0	24.5	11.1	16.4
1996	649.0	515.8	180.1	273.7	12.8	0.0	13.6	0.0	43.8	0.0	2.0	15.2	53.9	53.9	85.6
1997	378.4	439.6	61.6	45.1	145.3	6.8	12.0	0.0	0.0	0.2	29.4	0.8	73.6	3.6	44.2
1998	284.2	170.4	53.0	4.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	45.6	40.1	135.7	40.7
Mean	342.9	331.2	74.7	57.4	37.9	20.6	8.4	3.6	3.5	1.5	10.2	23.5	50.4	53.9	
±	123.7	138.8	49.3	57.4	32.3	31.5	15.5	13.9	9.9	4.9	22.8	23.0	43.4	53.2	

Table B.2: Northern Limpopo Province temperature record 1975 to 1998**Table B.2.1:** Maximum and Mean Temperatures

Levubu	Year	Year	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
	Mean	Mean Max	Mean Min	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	
1975	20.2	25.9	14.5	28.7	26.7	25.2	25.5	25.2	22.0	23.5	24.2	26.5	26.7	28.8	27.6	
1976	20.4	26.0	14.8	26.5	27.1	27.0	25.2	22.2	22.6	22.9	23.5	27.2	27.7	29.0	31.0	
1977	20.8	26.5	15.2	31.6	26.7	24.5	26.7	26.3	24.3	23.1	23.7	25.4	28.1	28.9	28.6	
1978	20.4	25.9	14.8	26.3	26.9	27.1	25.6	25.4	22.3	22.5	27.5	27.0	26.0	26.6	27.5	
1979		26.2		28.4	29.0	27.8	27.6	24.9	22.8	21.9	24.7	24.8	28.1	26.8	27.7	
1980		25.9		28.1	28.5	26.0	26.6	26.1	22.8	21.4	23.2	25.1	27.1	27.7	28.7	
1981		25.2		28.4	26.2	26.4	26.1	22.9	22.9	22.5	22.0	24.4	23.4	29.3	28.1	
1982		26.9		29.6	29.8	29.1	26.5	24.3	22.7	22.5	25.6	26.0	26.2	28.2	32.1	
1983		27.6		31.3	30.8	29.0	29.1	26.0	23.6	23.0	23.5	29.0	25.8	29.9	30.0	
1984		26.1		31.7	29.0	27.5	25.3	26.0	21.5	21.5	23.2	26.3	27.3	24.7	29.1	
1985		26.2		28.8	27.8	27.7	26.9	23.6	22.6	22.7	24.7	24.7	27.6	28.8	28.7	
1986		27.1		29.0	29.6	31.0	26.4	25.4	23.3	23.3	26.9	26.4	27.3	28.3	28.4	
1987		26.8		29.4	31.3	29.7	27.6	27.0	22.5	23.2	23.4	24.8	24.9	29.3	28.2	
1988		25.9		30.0	28.1	27.3	26.1	24.9	23.0	24.0	25.0	26.2	25.0	25.4	26.0	
1989		26.0		28.7	27.2	28.3	25.0	25.2	22.0	22.4	25.0	27.0	27.0	26.2	27.3	
1990		26.1		26.5	27.4	27.1	25.3	24.3	24.3	23.8	23.2	25.8	28.4	28.8	28.8	
1991		26.8		29.3	29.1	26.3	26.1	25.2	21.9	23.3	25.0	26.5	29.9	30.1	29.0	
1992		28.2		32.0	32.7	29.3	30.0	27.5	23.8	23.0	23.5	28.7	29.1	28.1	30.7	
1993		26.7		28.8	27.1	27.0	27.8	27.6	23.6	23.2	23.3	29.0	28.3	25.5	28.8	
1994		26.6		26.5	26.5	28.7	27.4	25.9	23.3	22.2	23.9	27.2	26.5	30.9	29.8	
1995		26.5		29.6	28.9	27.1	25.9	22.2	21.9	22.9	25.2	28.6	29.8	28.5	27.5	
1996		25.5		27.7	26.6	26.1	23.9	23.0	22.4	20.7	22.6	27.2	27.9	28.7	28.7	
1997		26.4		28.6	28.0	26.8	25.8	23.4	25.6	21.7	26.7	25.6	25.9	28.9	29.5	
1998		27.0		29.1	29.5	31.1	28.5	27.3	25.2	23.3	24.0	26.7	25.0	26.7	27.2	
																Mean Annual
Month Mean Max				28.9	28.4	27.6	26.5	25.1	23.0	22.7	24.3	26.5	27.0	28.1	28.7	26.4
Month Mean Min				19.0	18.7	17.5	15.0	12.3	9.7	8.9	11.3	14.2	15.6	17.2	18.6	14.8
Month Mean				24.0	23.5	22.6	20.8	18.7	16.4	15.8	17.8	20.4	21.3	22.6	23.7	20.6

Table B.2.1 con't.

Pietersburg	Year	Year	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
	Mean	Mean Max	Mean Min	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	
1975	17.9	24.4	11.4	27.6	25.4	24.7	23.7	22.8	19.5	20.6	21.9	24.9	26.0	29.1	26.4	
1976	17.9	24.1	11.8	26.1	26.3	25.1	23.6	20.0	19.5	19.9	21.1	25.9	25.7	26.9	28.6	
1977	23.4	24.4	11.9		26.6	24.0	24.6	22.8	21.3	20.5	21.2	24.4	27.5	28.1	27.2	
1978	18.1	24.6	11.6	26.2	26.4	25.9	24.3	23.0	19.5	20.0	25.3	25.5	26.1	25.6	27.5	
1979	22.7	24.6	11.8	27.5	28.0	27.3	26.1	22.8	5.3	18.7	22.2	23.9	26.4	25.8	27.2	
1980	23.2	24.1	11.1	26.6	26.6	25.6	25.1	23.3	19.6	18.9	21.0	23.1	26.3	26.3	27.1	
1981	22.9	23.9	10.8	27.3	25.7	25.1	24.7	21.0	19.2	20.2	20.4	23.9	23.3	28.6	27.1	
1982	24.0	25.0	11.6	28.6	29.1	28.0	23.9	22.1	20.3	20.0	22.0	25.1	24.9	26.4	29.4	
1983	23.0	25.4	11.9	30.0	30.0	27.7	5.9	23.0	20.7	20.5	20.9	26.9	24.3	27.6	27.1	
1984	23.9	24.8	11.8	29.7	29.0	26.6	24.6	23.8	19.0	18.9	21.7	26.0	25.8	24.5	28.2	
1985	23.8	24.7	11.5	27.8	27.0	27.1	25.3	21.7	20.3	20.1	22.8	23.4	26.7	27.4	27.0	
1986	24.1	25.1	11.6	28.2	28.1	28.3	24.5	23.4	20.3	21.0	24.2	24.7	25.3	25.8	27.2	
1987	24.2	25.1	12.6	28.2	29.3	27.7	27.2	25.1	19.5	20.0	20.7	23.5	24.9	27.8	27.7	
1988	23.8	24.7	12.1	29.1	27.0	26.9	25.1	23.2	19.9	21.1	23.1	25.2	25.1	25.3	25.3	
1989	23.8	24.7	12.4	27.9	26.2	27.5	23.0	22.9	19.5	19.8	24.0	26.0	26.4	25.9	27.4	
1990	24.1	25.0	12.1	27.4	26.6	26.7	24.9	22.0	21.2	21.8	21.6	24.8	26.9	27.9	27.8	
1991	24.2	25.2	11.6	28.0	28.3	25.8	24.7	23.0	19.5	20.6	23.4	25.7	28.1	27.7	27.2	
1992				30.1	31.1	28.5	27.7	25.0	22.2							
1993	24.6	25.6	12.2	30.3		27.5	26.3	25.6	20.7	21.0	21.6	27.7	27.1	25.5	28.2	
1994	24.3	25.3	11.2	27.4	27.3	28.4	26.2	23.9	19.9	19.5	22.2	26.3	25.4	28.4	28.2	
1995	24.5	25.6	12.1	28.5	29.0	27.1	24.6	20.9	20.1	21.0	23.6	27.2	29.2	27.8	26.8	
1996	23.7	24.6	11.7	27.8	26.3	25.5	23.2	21.6	20.6	18.9	22.0	26.9	27.9	26.8	27.5	
1997	24.3	25.2	11.7	27.5	27.1	25.4	24.5	21.6	22.4	20.4	24.7	25.6	26.0	28.2	29.6	
1998	25.0	26.0	12.1	29.0	29.9	29.4	27.2	24.9	23.2	21.5	22.4	25.9	25.8	26.2	26.0	
																Mean Annual
Month Mean Max				28.1	27.7	26.7	24.2	22.9	19.7	20.2	22.3	25.3	26.1	26.9	27.5	24.8
Month Mean Min				17.2	16.8	15.6	11.7	8.1	4.7	4.5	7.0	10.6	13.4	15.3	16.5	11.8
Month Mean				22.7	22.2	21.2	18.0	15.5	12.2	12.4	14.7	18.0	19.8	21.1	22.0	18.3

Table B.2.1 con't.

Mara	Year	Year	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
	Mean	Mean Max	Mean Min	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	
1975	19.1	26.5	11.6	29.3	27.1	26.4	26.1	25.3	22.0	23.4	24.2	27.6	27.7	29.6	28.8	
1976	19.0	26.1	11.8	26.1	27.1	26.4	25.2	22.1	22.3	22.6	23.9	28.3	28.4	29.5	31.5	
1977	19.7	27.1	12.2	32.7	27.0	25.0	27.1	25.8	24.1	22.8	23.7	27.1	29.9	30.8	28.8	
1978	19.2	26.6	11.7	26.9	27.9	27.6	26.3	25.1	21.8	22.6	27.8	27.9	28.0	27.3	29.6	
1979	26.3	27.1	11.8	28.8	29.9	29.2	29.2	25.7	22.2	21.7	25.3	26.2	29.2	28.3	29.6	
1980	25.6	26.7	11.1	29.2	29.2	26.6	27.6	26.4	22.5	21.7	23.8	25.7	28.1	30.0	30.0	
1981	25.5	26.6	11.4	29.3	27.5	27.9	27.5	24.3	22.7	23.2	23.3	26.6	25.6	31.3	30.1	
1982	26.6	27.7	12.1	30.8	31.1	30.7	27.1	24.5	23.3	23.1	25.7	27.5	27.0	29.3	32.8	
1983	27.3	28.4	13.3	32.8	32.5	30.9	29.1	26.4	23.7	23.0	23.8	29.6	27.5	31.2	30.4	
1984	26.3	27.3	13.0	32.7	30.9	28.4	26.4	26.4	21.8	21.8	24.5	28.6	29.1	26.3	30.8	
1985	25.9	27.0	12.4	30.0	28.7	29.4	28.2	24.4	22.8	23.1	25.3	24.6	28.4	29.4	29.1	
1986	26.7	27.8	12.0	30.0	31.1	31.6	27.0	25.4	23.3	23.4	27.1	27.1	28.2	29.2	30.1	
1987	26.7	27.8	12.5	29.9	32.3	31.0	29.8	27.7	22.8	23.0	23.6	26.4	27.2	31.4	28.9	
1988	26.5	27.7	11.7	31.2	29.5	28.5		25.9	23.1	32.7	25.1	27.6	26.7	27.0	27.8	
1989	26.3	27.4	13.2	31.3	29.5	30.0	26.3	27.2	23.9	24.1	27.6	27.8	27.3	26.8		
1990	25.5	26.6	12.5	28.2		26.7	25.4	24.2	24.5	24.3	24.0	26.5	29.5	29.5	29.7	
1991	26.4	27.5	11.9	29.6	30.2	27.9	27.1	25.6	22.2	23.6	25.8	27.5	30.7	30.5	29.8	
1992	27.8	28.9	13.0	33.1	33.3	30.6	30.6	27.3	23.7	23.6	24.0	30.0	30.2	29.2	31.4	
1993	26.3	27.3	12.9	30.0	28.3	28.8	28.5	27.9	23.1	23.0	23.2	29.3	29.4	26.8	29.1	
1994	26.5	27.6	11.6	28.1	28.9	30.8	28.8	26.7	22.8	22.0	24.4	28.2	27.5	31.7	31.6	
1995	26.3	27.3	12.9	31.3	30.9	28.5	26.1	21.9	21.4	22.6	25.5	29.3	31.0	30.1	29.5	
1996	25.5	26.5	12.2	29.9	28.1	27.3	25.1	23.5	22.4	21.0	23.5	28.6	29.7	29.4	29.3	
1997		27.0		29.5	28.3	26.8	26.2	23.5	23.1	21.8	27.1	26.9	27.0	30.1	32.2	
1998		28.2		30.7	30.6	32.3	29.4	27.6	25.4	23.8	24.9	28.3	27.7	28.7	28.7	
																Mean Annual
Month Mean Max				30.3	30.0	29.2	27.7	25.6	23.1	23.3	24.9	27.6	28.4	29.3	30.0	27.5
Month Mean Min				17.7	17.7	16.1	12.6	8.3	4.4	4.4	7.1	11.1	14.1	16.0	17.3	12.2
Month Mean				24.0	23.9	22.6	20.1	17.0	13.7	13.9	16.0	19.4	21.2	22.7	23.7	19.8

Table B.2.1 con't.

All days	Year	Year	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
	Mean	Mean Max	Mean Min	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	
1993	21.9	27.9	15.9	31.3	29.8	29.9	28.8	27.8	23.3	23.2	24.2	29.4	30.0	27.5	29.6	
1994	26.8	27.6	14.3	28.9	29.4	33.1	28.7	26.3	22.3	21.6	24.1	28.3	27.3	32.1	31.8	
1995	26.9	27.8	15.5	31.5	31.0	28.8	27.1	22.2	21.8	23.2	25.4	29.1	32.1	30.9	30.2	
1996	26.7	27.6	15.0	30.2	28.0	28.0	26.2	24.5	23.4	22.0	24.8	29.7	31.3	31.3	31.3	
1997	27.5	31.0	15.0	31.9	31.0	28.0	26.4	24.5	25.6	22.6	27.3	28.1	29.2	31.5	33.4	
1998	28.1	29.0	15.8	31.9	32.9	33.0	30.6	28.1	25.7	24.1	24.9	28.9	29.1	29.0	29.8	
																Mean Annual
Month Mean Max				31.0	30.4	30.1	28.0	25.6	23.7	22.8	25.1	28.9	29.8	30.4	31.0	28.1
Month Mean Min				19.8	19.2	18.3	15.4	11.8	8.0	8.5	11.2	15.1	17.6	19.1	19.4	15.3
Month Mean				25.4	24.8	24.2	21.7	18.7	15.8	15.6	18.1	22.0	23.7	24.8	25.2	21.7

Table B2.1 con't.

Messina	Year	Year	Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
	Mean	Mean Max	Mean Min	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	
1975	21.9	29.4	14.3	33.7	30.5	29.5	28.8	28.4	24.3	25.2	26.4	29.9	30.4	33.0	32.1	
1976	21.7	28.5	14.8	30.4	30.2	29.6	27.3	24.4	24.5	24.7	25.4	29.9	31.0	33.5	30.6	
1977	22.2	29.2	15.1	35.8	30.1	27.5	29.5	28.8	26.2	24.9	26.3	29.2	32.7	33.2.9	30.4	
1978	23.0	29.5	16.5	29.7	30.6	30.6	28.2		24.0			30.7	30.2		32.3	
1979		29.9	15.1	32.9	34.1	30.8	31.3	28.1	24.9	24.2	27.3	29.4	31.6	30.7	33.2	
1980		29.7		33.0	33.2	30.9	30.9			16.3	25.8	28.1	32.3	33.8	32.6	
1981		29.5		32.4	29.7	31.1	30.5	26.5	25.5	25.3	25.6	29.2	29.3	34.5	33.4	
1982		30.4		35.4	33.8	33.7	30.4	26.7	24.6	25.0	27.6	29.3	30.0	33.0	35.8	
1983		31.0		36.2	35.2	33.7	32.4	28.7	25.6	25.0	25.9	31.6	30.2	34.1	33.5	
1984		29.7		35.0	32.9	31.5	28.8	28.5	24.2	24.8	26.7	30.7	31.4	28.8	33.0	
1985		29.7		32.7	31.4	32.2	30.9	27.2	25.4	25.4	27.5	27.9	31.1	31.9	33.3	
1986		30.2		32.8	33.3	33.8	29.2	27.1	25.2	25.2	29.4	29.5	31.1	32.5	33.7	
1987		30.5		34.2	35.3	33.5	32.2	30.1	24.6	24.7	26.0	28.9	30.2	34.5	31.9	
1988		28.9		33.7	31.9	30.8		27.2	25.0	25.2	27.3	29.5	28.7	28.7	30.1	
1989		29.2		32.2	31.2	31.8	26.7	26.4	23.3	24.6	28.4	31.0	30.8	31.0	33.1	
1990		30.4		32.6	32.6	33.6	30.6	27.8	26.6	26.3	26.4	28.7	32.1	32.8	34.7	
1991		30.1		33.7	33.7	30.4	29.5	27.8	24.4	25.5	27.3	29.8	33.0	33.1	32.6	
1992				35.8	36.6	33.3	33.0	29.4	25.9							
1993		29.9			31.6	31.7	31.5	30.4	25.9	25.4	26.3	31.3	32.5	29.4	33.0	
1994		29.9		31.0	31.8	33.1	31.0	28.6	25.3	23.7	26.3	30.1	29.3	34.9	34.0	
1995		30.6		33.9	33.3	31.9	30.2	25.8	24.5	25.5	28.0	31.8	34.6	33.7	33.3	
1996		29.1		32.1	30.2	30.3	27.5	26.3	24.8	22.8	25.7	30.4	32.4	33.3	33.0	
1997		30.1		33.4	33.1	30.5	28.8	26.1	27.3	24.2	29.0	29.5	31.1	33.1	34.6	
1998		30.4		33.1	34.4	34.9	32.3	29.7	26.6	25.5	26.8	30.3	29.9	30.6	31.0	
																Mean Annual
Month Mean Max				33.3	32.5	31.7	30.1	27.7	25.2	24.5	26.9	29.9	31.1	32.4	32.8	29.8
Month Mean Min				21.0	20.5	18.4	14.8	9.1	6.0	5.4	8.5	14.9	17.5	19.9	19.5	14.6
Month Mean				27.1	26.5	25.0	22.4	18.4	15.6	15.0	17.7	22.4	24.3	26.2	26.2	22.2

Table B.2.2: Minimum Temperatures

Location	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min
Levubu												
1975	18.6	18.6	16.4	14.8	12.7	9.4	8.3	10.5	14.1	14.6	17.0	18.5
1976	18.4	18.6	18.0	14.7	11.9	10.3	8.7	9.7	13.6	15.6	17.9	19.7
1977	20.4	19.7	17.1	15.8	12.1	10.1	9.3	10.9	15.0	16.3	17.1	18.6
1978	18.4	17.8	18.4	14.5	12.4	9.0	9.1	14.0	14.2	15.9	16.6	17.7
Pietersburg												
1975	16.4	16.2	14.2	11.8	8.2	4.3	3.7	6.3	11.0	12.8	15.2	16.4
1976	18.6	16.2	17.0	11.7	8.0	4.7	3.6	5.1	10.6	13.2	15.7	17.0
1977		16.9	16.1	12.7	7.7	5.3	4.2	8.6	11.8	14.1	16.0	17.2
1978	17.2	16.6	15.7	11.3	7.3	3.5	3.9	8.7	10.7	13.8	14.7	15.6
1979	16.2	16.7	14.9	12.4	8.4	5.3	3.9	7.9	10.7	14.2	15.1	15.8
1980	16.2	17.3	14.6	10.7	7.2	3.5	3.2	6.5	9.8	12.5	15.8	16.4
1981	18.2	16.0	14.6	11.4	6.8	2.5	4.3	5.8	8.5	10.8	15.8	15.6
1982	17.1	16.6	14.6	12.3	7.8	4.0	5.5	6.8	9.9	12.9	14.8	17.3
1983	17.9	17.5	15.8	13.3	8.5	5.7	5.0	5.5	10.1	12.4	15.6	16.0
1984	16.1	16.0	15.4	11.4	8.0	4.6	6.5	7.5	11.3	14.8	14.0	16.4
1985	17.3	17.1	15.8	10.8	7.8	4.9	3.8	6.8	10.6	13.2	14.2	15.7
1986	16.8	16.1	15.0	13.2	8.2	4.7	4.2	7.4	10.3	13.1	14.3	16.5
1987	17.6	18.0	16.8	13.8	9.7	4.4	3.8	7.2	11.8	12.7	17.0	18.2
1988	17.4	17.3	16.7	13.2	8.0	5.0	5.2	7.7	10.4	14.0	14.1	16.3
1989	16.8	17.1	15.6	12.1	9.7	7.2	5.1	9.2	10.8	13.4	15.3	16.7
1990	17.4	16.4	15.3	13.0	8.5	5.8	6.5	6.8	9.4	14.0	15.1	17.3
1991	17.4	17.0	15.7	10.0	7.5	5.3	3.8	6.2	11.6	14.1	15.3	15.9
1992	17.7	18.5	15.6	13.6	7.8	4.8						
1993	17.6		15.8	13.4	9.7	5.1	6.8	7.4	11.7	15.1	14.9	17.0
1994	16.5	16.0	15.1	11.9	7.7	4.8	2.2	5.6	9.9	11.6	16.1	16.4

Table B.2.2 con't.

Location	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min
Pietersburg con't.												
1995	17.1	16.8	15.7	12.0	9.1	4.0	4.8	7.7	10.9	16.2	16.0	16.1
1996	17.8	17.2	14.6	10.6	8.5	5.0	3.7	6.6	10.6	13.6	15.7	16.8
1997	17.7	16.6	15.5	0.7	7.2	4.1	4.6	7.1	12.1	12.9	15.3	16.8
1998	18.0	17.4	17.1	12.7	7.8	4.7	5.4	6.6	10.2	13.8	15.5	16.2
Mara												
1976	17.3	17.4	14.8	12.1	8.1	4.3	2.3	6.2	11.1	13.0	14.9	17.5
1977	17.0	17.1	16.4	11.8	7.9	4.9	2.8	4.9	10.5	14.1	16.5	17.5
1978	18.7	18.2	15.3	12.0	6.5	3.8	3.7	6.7	12.7	14.0	16.1	18.1
1979	17.6	17.1	16.7	11.5	6.8	3.3	3.2	9.1	10.4	13.9	14.6	15.9
1980	15.9	17.0	14.9	11.8	8.0	5.2	4.0	7.7	11.1	14.6	15.6	16.2
1981	16.9	18.0	14.9	10.4	6.9	1.1	2.7	6.1	10.3	12.7	16.5	17.3
1982	18.7	16.9	15.0	11.5	7.9	1.9	4.4	6.5	9.8	11.6	16.0	16.4
1983	18.0	17.0	15.2	13.4	8.3	2.7	5.9	6.9	9.9	13.3	16.2	18.6
1984	19.1	19.0	17.4	14.5	9.9	6.9	5.8	5.9	10.9	14.2	18.1	18.2
1985	18.4	18.2	16.9	13.3	8.1	5.0	6.9	8.3	12.5	16.1	15.5	17.2
1986	18.3	17.9	16.6	11.5	8.7	5.0	5.2	7.6	11.8	14.1	14.9	17.0
1987	17.6	17.0	15.5	14.1	7.7	3.6	3.2	7.1	10.4	14.2	15.7	17.3
1988	17.5	18.0	17.3	13.7	8.5	3.7	3.3	6.4	11.8	12.9	18.1	19.1
1989	18.0	18.5	17.2		7.6	3.6	4.4	7.2	9.4	14.0	13.1	16.1
1990	17.7	18.3	16.5	13.9	10.5	8.8	6.3	10.6	11.9	14.5	16.3	
1991	18.4	17.4	17.0	14.4	7.8	5.2	6.6	6.7	9.5	14.2	15.3	17.6
1992	18.0	18.0	16.0	9.9	7.5	5.5	3.3	6.0	11.9	14.5	16.3	16.5
1993	18.4	18.9	16.7	13.7	7.7	4.7	4.9	6.7	13.0	16.0	16.9	18.5
1994	17.6	17.6	15.8	13.4	9.6	4.9	7.6	7.3	12.1	15.8	15.5	17.3
1995	16.2	16.3	15.1	12.7	7.7	4.6	2.3	5.8	10.5	12.7	17.4	17.6
1996	18.5	18.2	17.0	13.1	10.4	3.8	4.9	8.1	11.1	16.4	16.8	17.1
1997	18.7	17.7	14.7	11.0	9.8	5.2	3.8	7.3	10.8	14.1	16.4	17.3

Table B.2.2 con't.

Location	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min
Alldays												
1993	19.7	19.4	18.2	17.2	13.9	9.6	11.2	11.5	15.6	18.5	17.8	19.2
1994	18.0	18.8	18.1	15.6	10.9	7.4	5.5	9.6	13.8	14.9	20.0	19.3
1995	20.2	19.7	18.4	14.9	12.1	7.1	8.1	12.4	15.2	19.8	19.5	18.8
1996	20.4	18.9	16.0	13.3	11.2	7.9	7.4	11.7	15.1	18.4	20.1	19.8
1997	20.2	18.9	18.4	13.8	10.2	7.6	8.6	11.0	15.6	16.4	18.7	20.5
1998	20.8	20.2	20.9	17.1	11.4	8.4	10.0	10.8	15.2	17.6	18.7	19.0
Messina												
1975	20.4	20.2	17.8	15.3	11.2	5.1	4.9	9.9	14.6	16.5	19.3	16.2
1976	20.1	20.1	18.3	14.4	10.9	6.3	5.1	7.2	14.1	18.1	21.0	21.4
1977	22.6	21.0	17.8	14.6	9.5	6.7	6.1	8.3	16.1	17.4	19.3	21.2
1978	20.7	20.5	19.6	14.7	4.8				14.6	17.9		19.0