

APPENDIX B.5

2002 - 2004 Field Seasons – Rainfall Data Comparison

Table B.5.1
2002 Field Season - Rainfall Data Comparison
Rainfall in mm

Day	June			July			August			September		
	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge
1	0	0.2	m	0	m	0	8.8	14.3	10	0	0.2	0.2
2	0	0	m	0	m	0	8.4	1.1	4.4	0	0.1	0.1
3	0	0	m	0	m	0	0	0	0.1	0	0	0.05
4	0	0	m	0	m	0	0	0	0	0	0	0.05
5	0	0	m	4.4	m	2.5	0	0	0.1	0	0	0
6	0	0	m	25.6	m	8.0	16.4	7.3	0.3	0	0	0
7	0.8	0.1	m	0.4	m	7.0	7.0	4.9	11.0	0	0.4	a
8	0	0	m	0.2	m	0	0	0	0	0	0.3	1.0
9	0	0	m	1.4	m	0	0	0	0	2.2	0	0
10	0	0	m	1.6	m	11.4	0	0	a	0	0	0
11	0	0.6	m	0	m	0	0.4	1.7	1.0	0	0	0
12	0.2	0	m	5.6	m	0	4.6	2.4	1.9	0	0	0
13	5.4	1.2	m	12.0	m	a	0.2	0.9	0.8	0	0	0
14	8.4	7.5	m	0	m	3.0	0	0	0	0.2	0	0
15	1.4	2.2	m	8.7	m	0	0	0	0	0	0	a
16	0	0	m	0	m	0	0	0	0	0	0	0
17	0.2	0	m	0.2	m	1.4	3.8	2.0	a	0	0	a
18	1.3	2.4	m	0	m	0	0	0.3	2.2	0.4	0.4	a
19	0	0	m	0.8	m	3.2	7.6	0	0	4.0	12.6	9.5
20	0	0	m	0	m	0	12.6	0	0.1	0.2	1.0	1.0
21	2.1	0.9	m	0.2	m	0.4	m	0	0	0.4	0.6	2.0
22	0	0	m	0	m	0	0	0	0	0	0.1	m
23	0.7	17.0	m	0	m	0	0	0.1	0	0	m	m
24	0	0	m	0.4	m	a	7.8	6.3	3.4	0	m	m
25	1.2	0	0	0	m	0	m	0	0.4	m	m	m
26	0	0	0	0	m	0	0	0	0.1	0	m	m
27	0	m	0.2	0	m	3.0	1.2	0	0	0	m	m
28	1.0	m	2.9	0	m	0.8	0	0	0	m	m	m
29	0	m	0	0	0	0.1	4.2	6.4	0	8.2	m	m
30	0	m	0	0.2	1.5	2.0	7.0	3.6	8.4	0	m	m
31				5.6	2.3	2.8	m	0	a			
Sub-total	22.7	32.1	3.1	67.3	3.8	45.6	90.0	51.3	44.2	15.6	15.7	13.9
Season Total										195.6	102.9	106.8

NOTES:

a = Daily value assumed accumulated to next data point.
m = Missing data.

Monthly sub-totals shown as non-bolded are partial sub-totals due to missing data.

Camp tipping bucket was removed off-site for repairs/calibration between 27 June 2002 and 28 July 2002.

Daily values for the tipping bucket and the manual gauge tend to differ as the tipping bucket values represent 24-hour totals taken at midnight, while the manual gauge was generally read in the early evening of each day at a convenient time after 6:00 pm.

Table B.5.2
2003 Field Season - Rainfall Data Comparison
Rainfall in mm

Day	June			July			August			September		
	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge
1	0	m	m	0	m	0	0	m	0	0	m	0
2	0	m	m	0	m	0	0	m	0	0	m	0
3	0	m	m	0	m	0	0	m	0	0	m	0
4	0	m	m	0	m	0	0	m	0	0	m	0
5	0	m	m	0	m	0	0	m	a	0.6	m	a
6	0	m	m	0	m	0	1.6	m	3.2	0.2	m	3.0
7	0	m	m	0	m	0	0	m	0	0	m	0.2
8	0	m	m	2.0	m	0	2.8	m	3.8	1.2	m	0
9	0	m	m	0	m	0	0	m	0	0	m	0
10	0	m	m	10.2	m	9.4	0	m	0.4	1.0	m	a
11	0	m	m	0.8	m	0	0	m	0.3	35.0	m	6.0
12	3.0	m	m	8.8	m	4.4	2.2	m	0	1.4	m	12.0
13	0.2	m	m	8.6	m	3.2	0.4	m	0	2.0	m	2.0
14	0	m	m	6.0	m	23.2	2.0	m	2.7	0	m	0
15	2.4	m	m	0	m	3.4	1.2	m	2.1	0	m	0
16	0	m	m	0	m	0	0	m	0	0	m	0
17	0	m	m	0	m	0	0	m	0	0	m	0
18	1.2	m	0.4	0	m	0	1.8	m	5.2	0	m	0
19	0	m	0	0	m	0	1.4	m	2.8	m	m	m
20	0	m	0	0	m	0	0	m	0	0	m	m
21	0	m	0	0	m	0	0	m	0	0	m	m
22	1.4	m	0	0	m	0	0	m	0	0	m	m
23	6.2	m	4.5	0	m	0	0	m	0	0	m	m
24	0	m	1.2	0	m	0	0	m	0	0	m	m
25	0	m	0.3	0	m	0	5.2	m	0	0	m	m
26	0	m	0	0	m	0	0	m	0	0	m	m
27	0	m	0	0	m	0	0	m	0	0	m	m
28	0.0	m	0	0	m	0	0	m	0	0	m	m
29	0.6	m	0	0.6	m	0	0	m	0	0	m	m
30	0	m	1.8	3.2	m	0	0	m	1.2	0	m	m
31				0	m	2.0	0.0	m	1.4	0	m	m
				0	m	0	0	m	0			
Sub-total	15.0	m	8.2	40.2	m	45.6	18.6	m	23.1	41.4	m	23.2
Season Total										115.2	m	100.1

NOTES:

a = Daily value assumed accumulated to next data point.
m = Missing data.

Monthly sub-totals shown as non-bolded are partial sub-totals due to missing data.

Camp tipping bucket sensor cable was severed in June 2003. Repairs were made on 9 September 2003

Daily values for the tipping bucket and the manual gauge tend to differ as the tipping bucket values represent 24-hour totals taken at midnight, while the manual gauge was generally read each day at a convenient time after 1:00 pm.

Table B.5.3
2004 Field Season - Rainfall Data Comparison
Rainfall in mm

Day	June			July			August			September		
	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge	Baker Lake	Camp Tipping Bucket	Evap. Manual Gauge
1	0	0		0.7	1.8	2.2	0	0	0	0	1.6	2.6
2	0	0		1.1	1.2	2.0	0	0	0	0	0	0.4
3	0	0		0	0.1	0.2	0	0	a	0	0	0
4	0	0		0	0	0	0	0	4.1	1.0	0	0
5	0	0		0	0	0	0.4	3.6	0	5.0	10.0	9.8
6	0	0		0	0	0	0	0	0.8	0	0.2	a
7	0	0		0	0.2	0	0.2	0.2	0.3	0.4	0.2	1.2
8	0	0		0	0	0	0	0	0	0	0	0
9	0	0		0	0	0.2	0	0	0	0.2	0.1	m
10	0.6	0		0	0	0	0	0	0	0	m	m
11	0	0		0	0	0	0	0	0	0	m	m
12	0	0		0	0.5	0.6	0	0	0	0	m	m
13	0	0		0.6	0	a	0.4	1.1	a	2.2	m	m
14	0	0		5.6	0	0	0.6	0.4	a	0.8	m	m
15	0	0		0.4	0	0	3.2	3.5	4.4	0	m	m
16	0.6	0		0	0	0	1.0	1.8	2.0	0	m	m
17	0	0		0	0	0	1.0	0.6	2.2	1.6	m	m
18	0.2	0		0	0	0	0.6	3.4	3.0	3.6	m	m
19	0.2	0		1.2	1.8	0.4	0	0	0	0	m	m
20	7.8	0		0.2	0.2	0	0	0	0	34.2	m	m
21	0	0		0	0.1	a	0.6	0.3	0.2	0	m	m
22	0	0		0	0	2.7	0	0.1	0.4	0	m	m
23	2.6	0	0.2	0	0	0	0	2.1	0.4	0	m	m
24	0	0	0	0	0	0	0	0.6	2.0	0	m	m
25	0	0	0	0	0	0	1.6	0.4	1.1	1.0	m	m
26	0	0	0	0	0	0	6.6	1.8	0	0	m	m
27	0	0.4	0	0	0	0	3.2	0	a	3.4	m	m
28	2.2	5.3	5.3	0	0	a	0	4.5	5.2	7.6	m	m
29	0	0	0.2	0	0	0	1.6	0.8	1.2	1.8	m	m
30	0	0.3	0.7	0	0	0	0	0	a	0	m	m
31				0	0	0	0	0	0.4	0	m	m
Sub-total	14.2	6	6.4	9.8	5.9	8.3	21.0	25.2	29.3	62.8	12.1	14
Season Total										107.8	49.2	58

NOTES:

a = Daily value assumed accumulated to next data point.
m = Missing data.

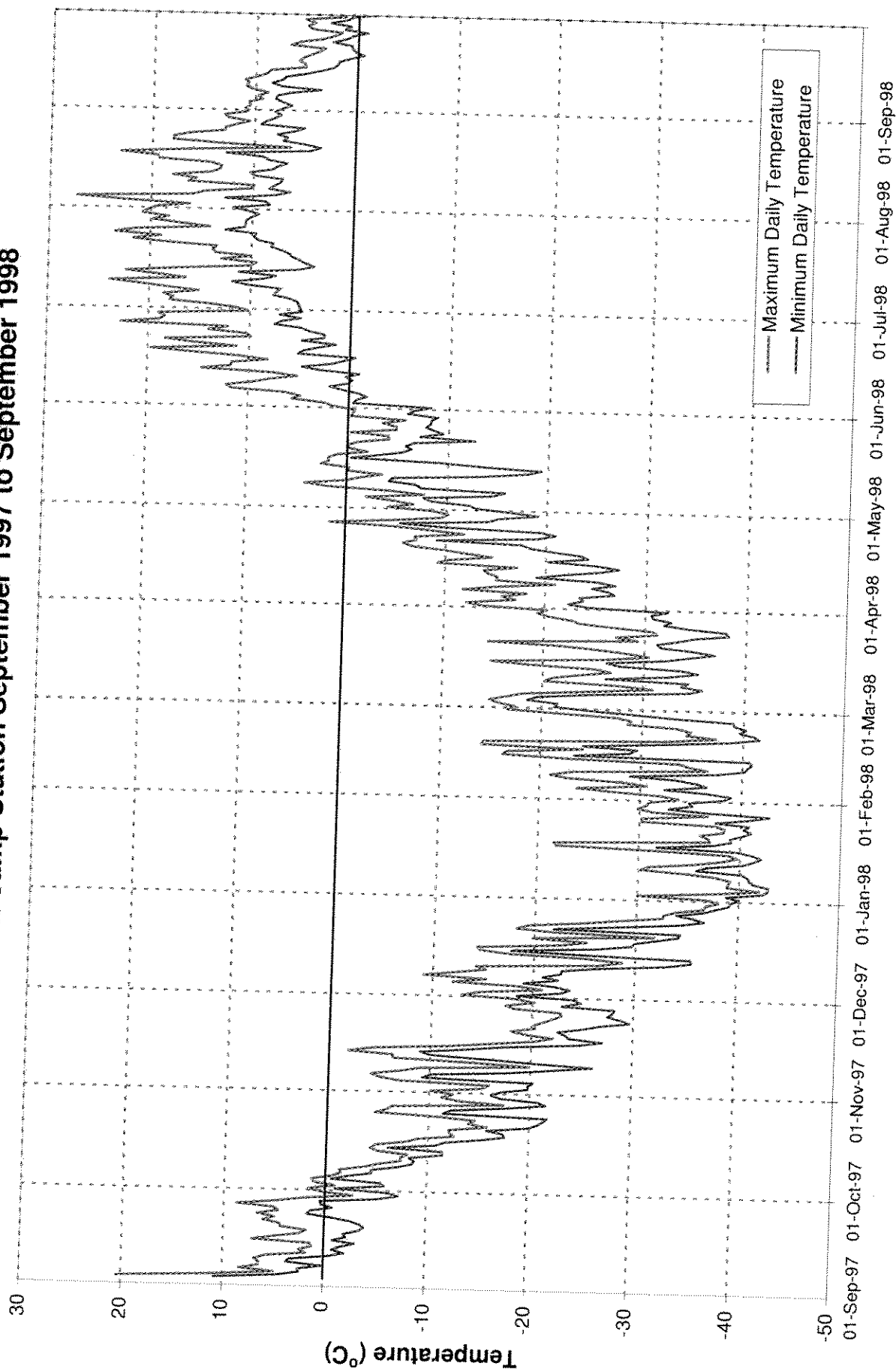
Monthly sub-totals shown as non-bolded are partial sub-totals due to missing data.

Daily values for the tipping bucket and the manual gauge tend to differ as the tipping bucket values represent 24-hour totals taken at midnight, while the manual gauge was generally read each day at a convenient time after 1:00 pm.

APPENDIX B.6

Meadowbank Camp Station Daily Temperature Extremes

Daily Temperature Extremes **Meadowbank Camp Station September 1997 to September 1998**

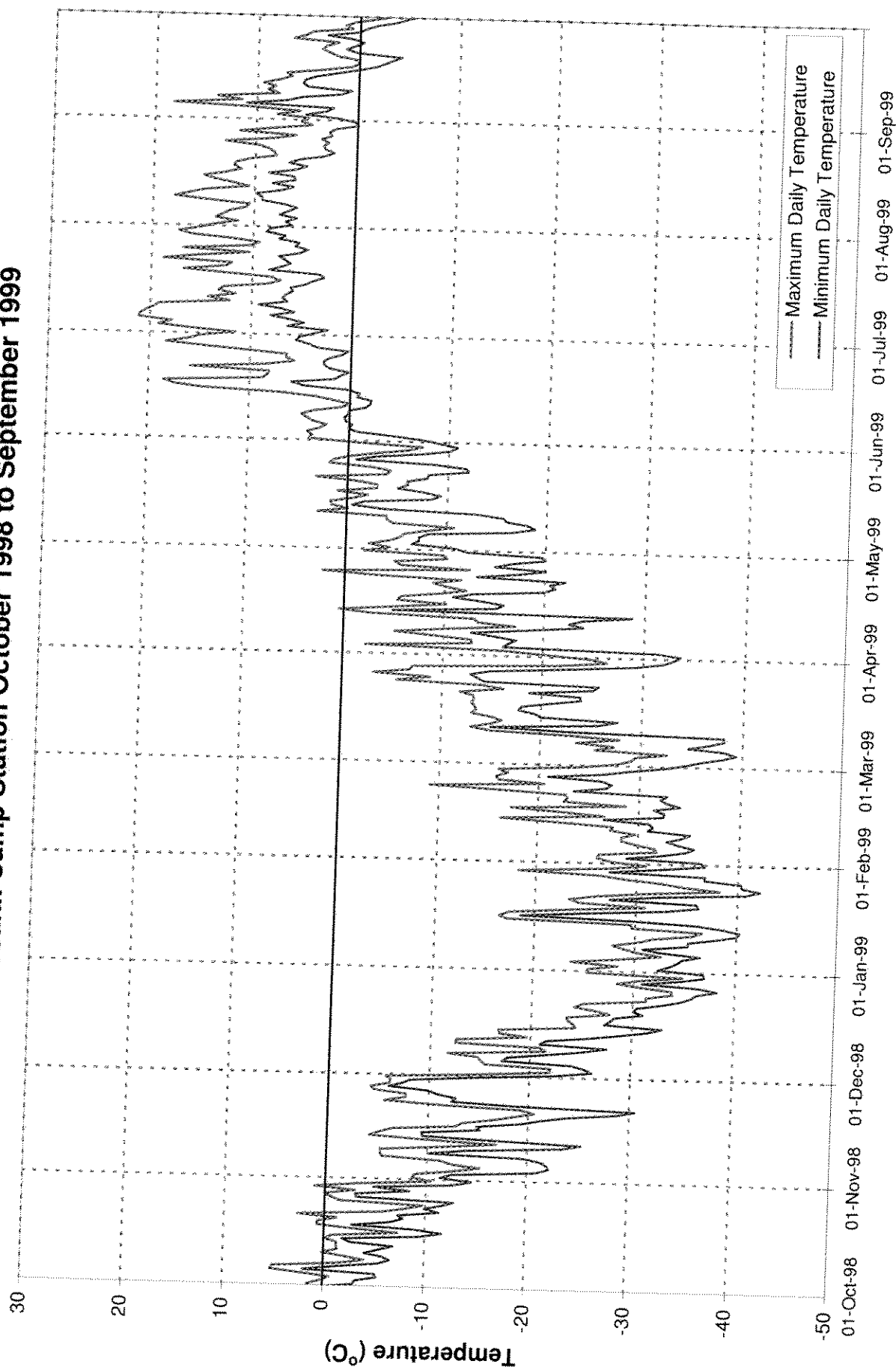


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Meadowbank temp.xls [Chart_M97-98]
02/03/05

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Figure B.6.1

Daily Temperature Extremes **Meadowbank Camp Station October 1998 to September 1999**

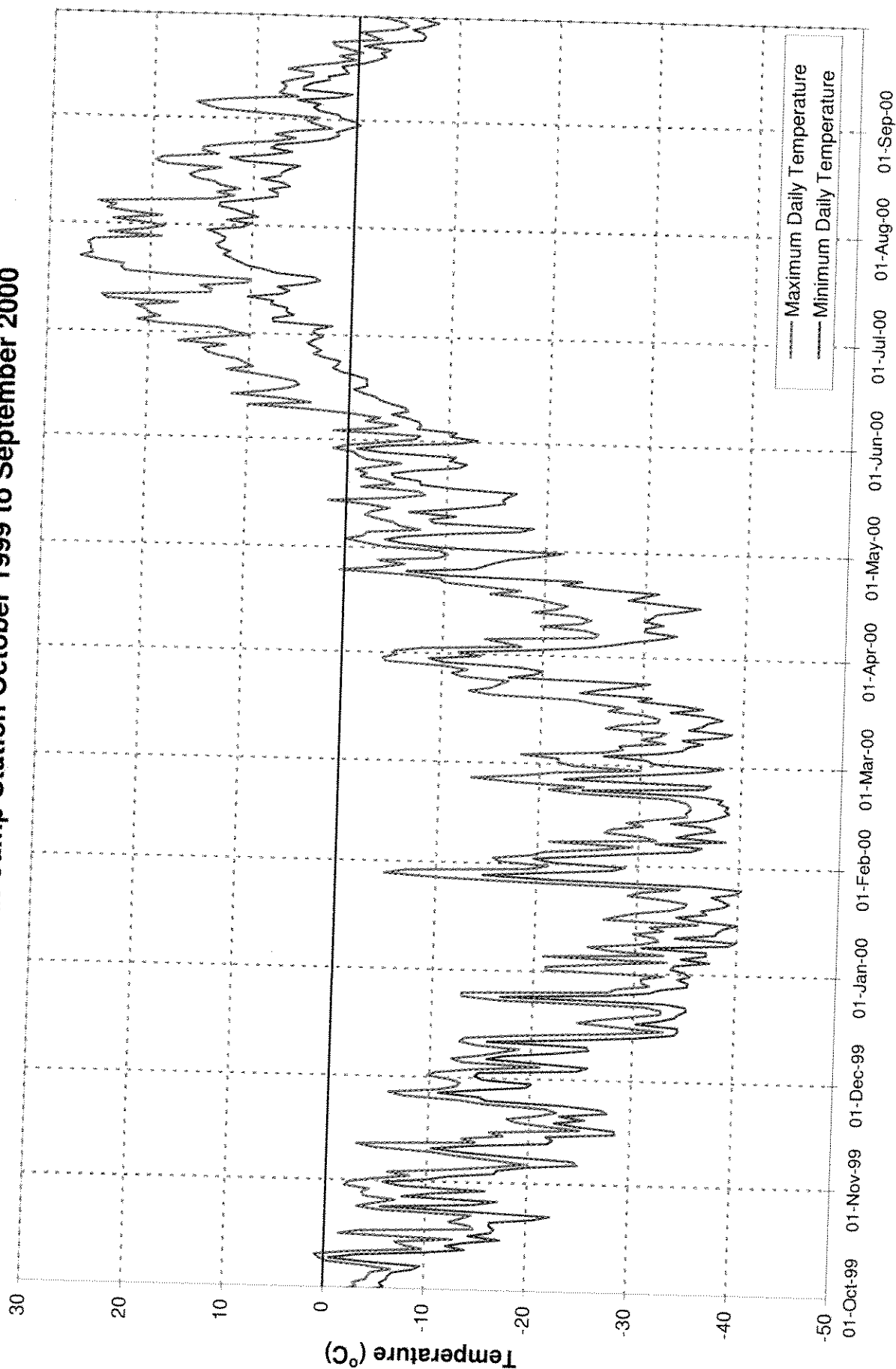


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02/03/05

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Figure B.6.2

Daily Temperature Extremes **Meadowbank Camp Station October 1999 to September 2000**

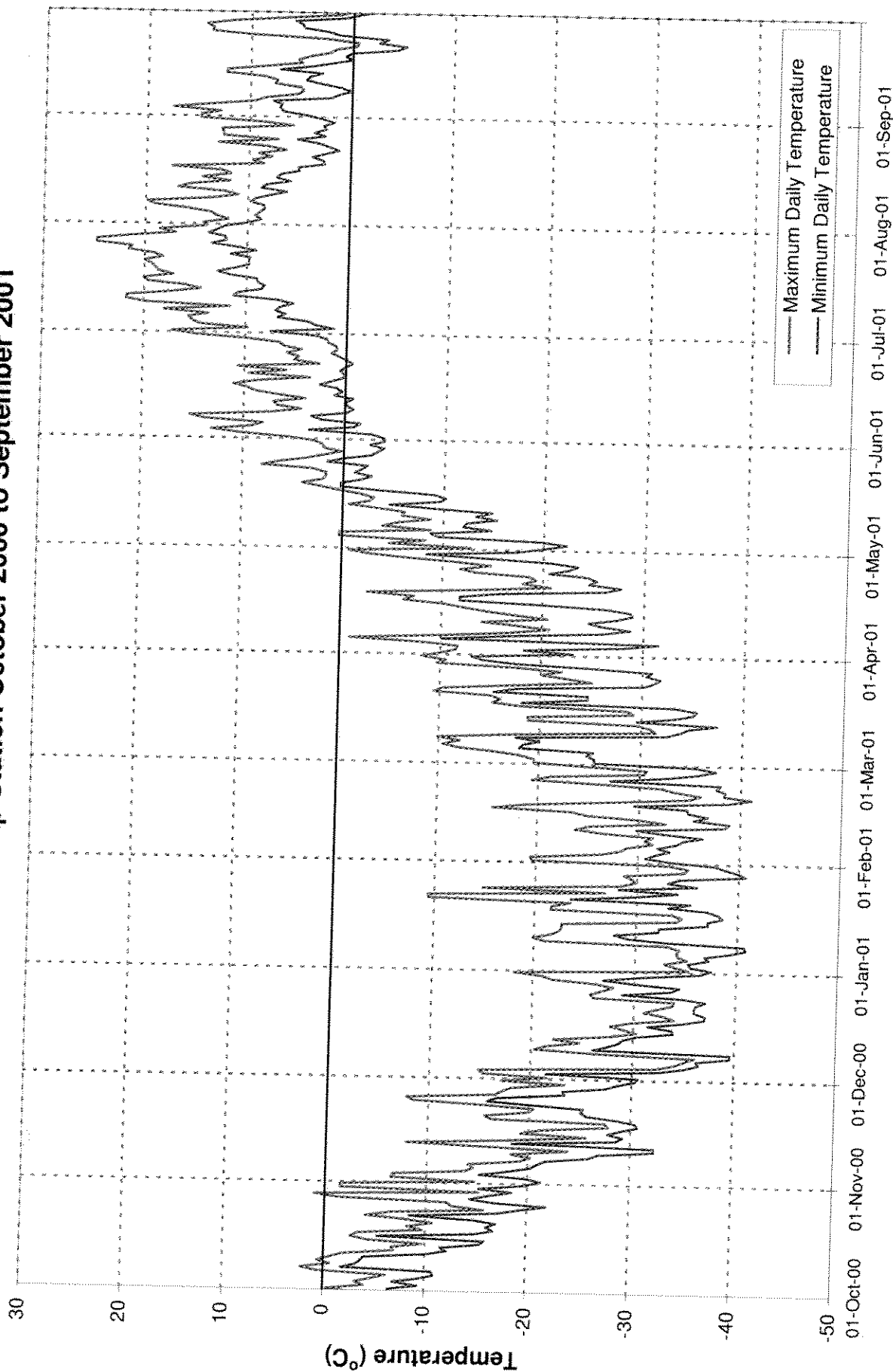


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Meadowbank temp.xls [Chart_M59-00]
02/03/05

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Figure B.6.3

Daily Temperature Extremes **Meadowbank Camp Station October 2000 to September 2001**

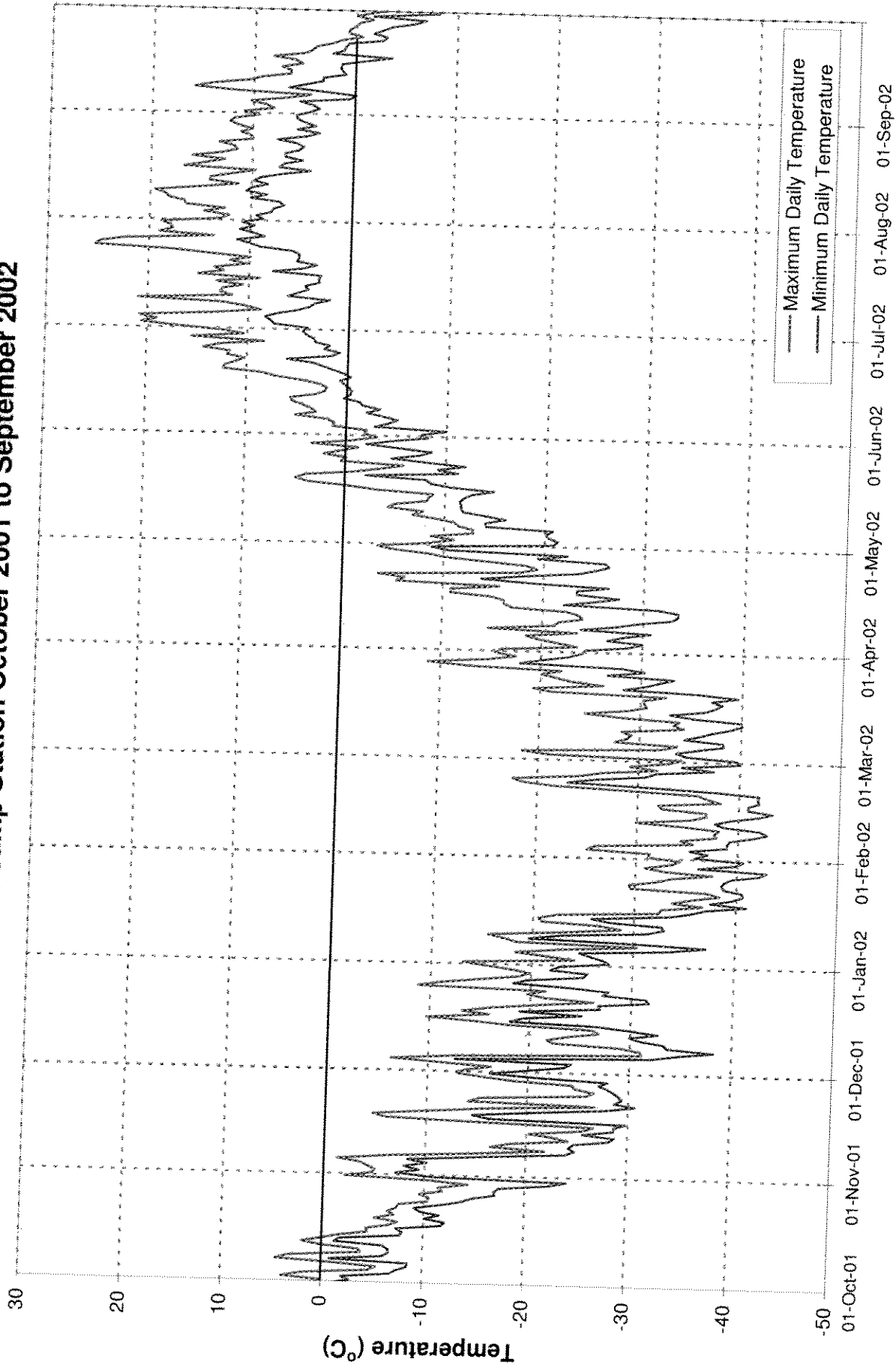


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02/03/05

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Figure B.6.4

Daily Temperature Extremes **Meadowbank Camp Station October 2001 to September 2002**

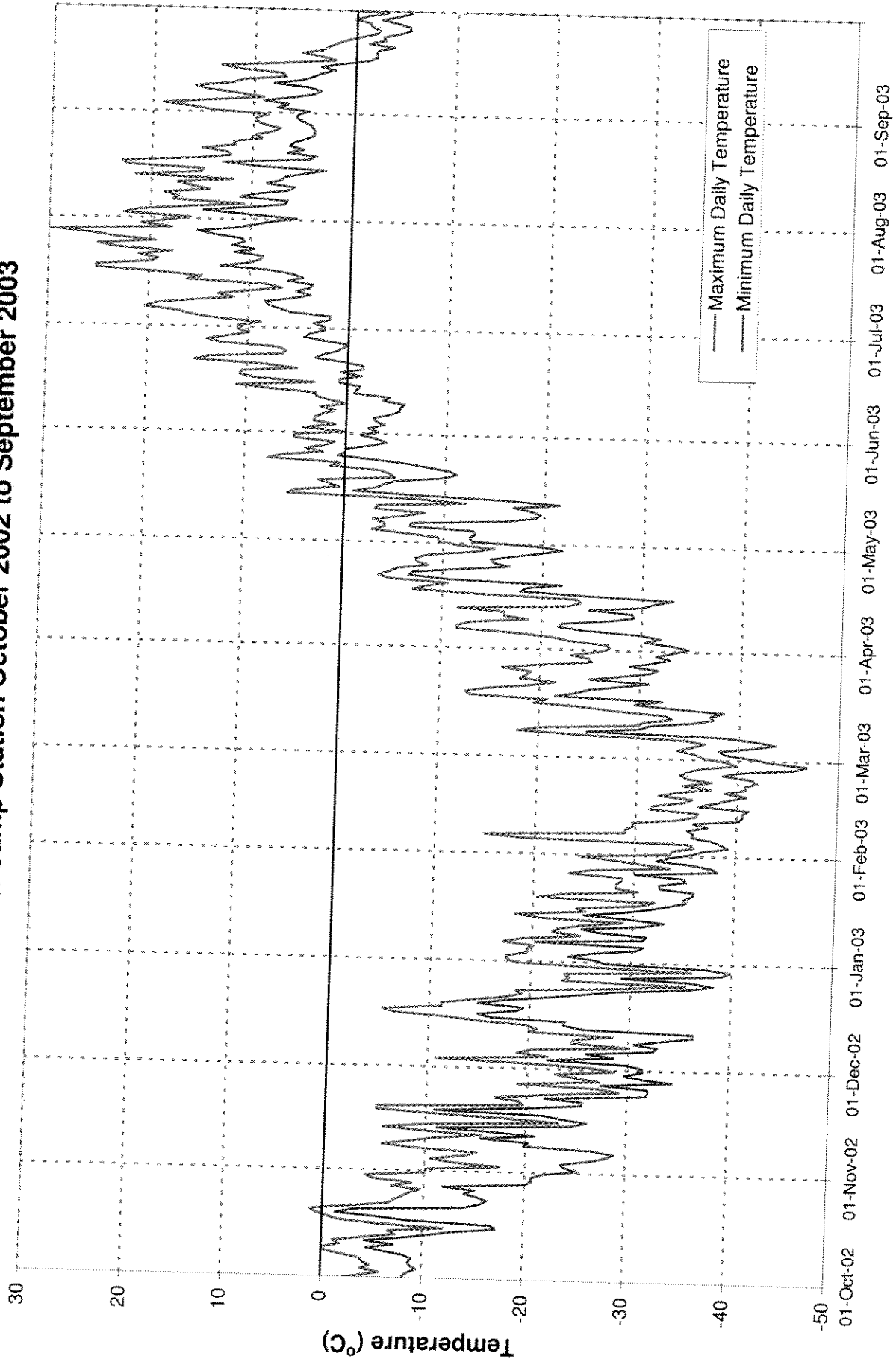


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02/03/05

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Figure B.6.5

Daily Temperature Extremes **Meadowbank Camp Station October 2002 to September 2003**

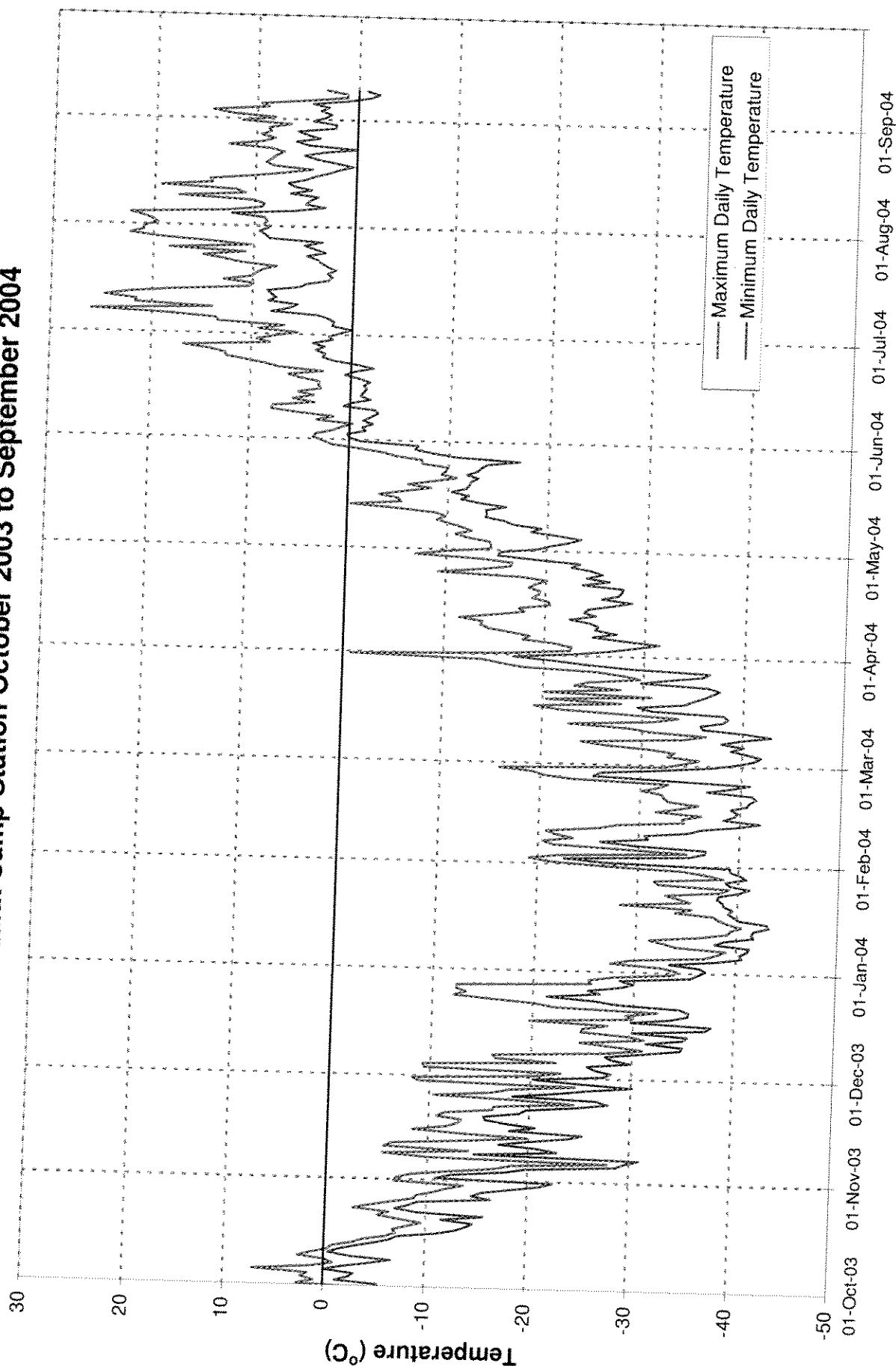


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 02/03/05

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Figure B.6.6

Daily Temperature Extremes **Meadowbank Camp Station October 2003 to September 2004**



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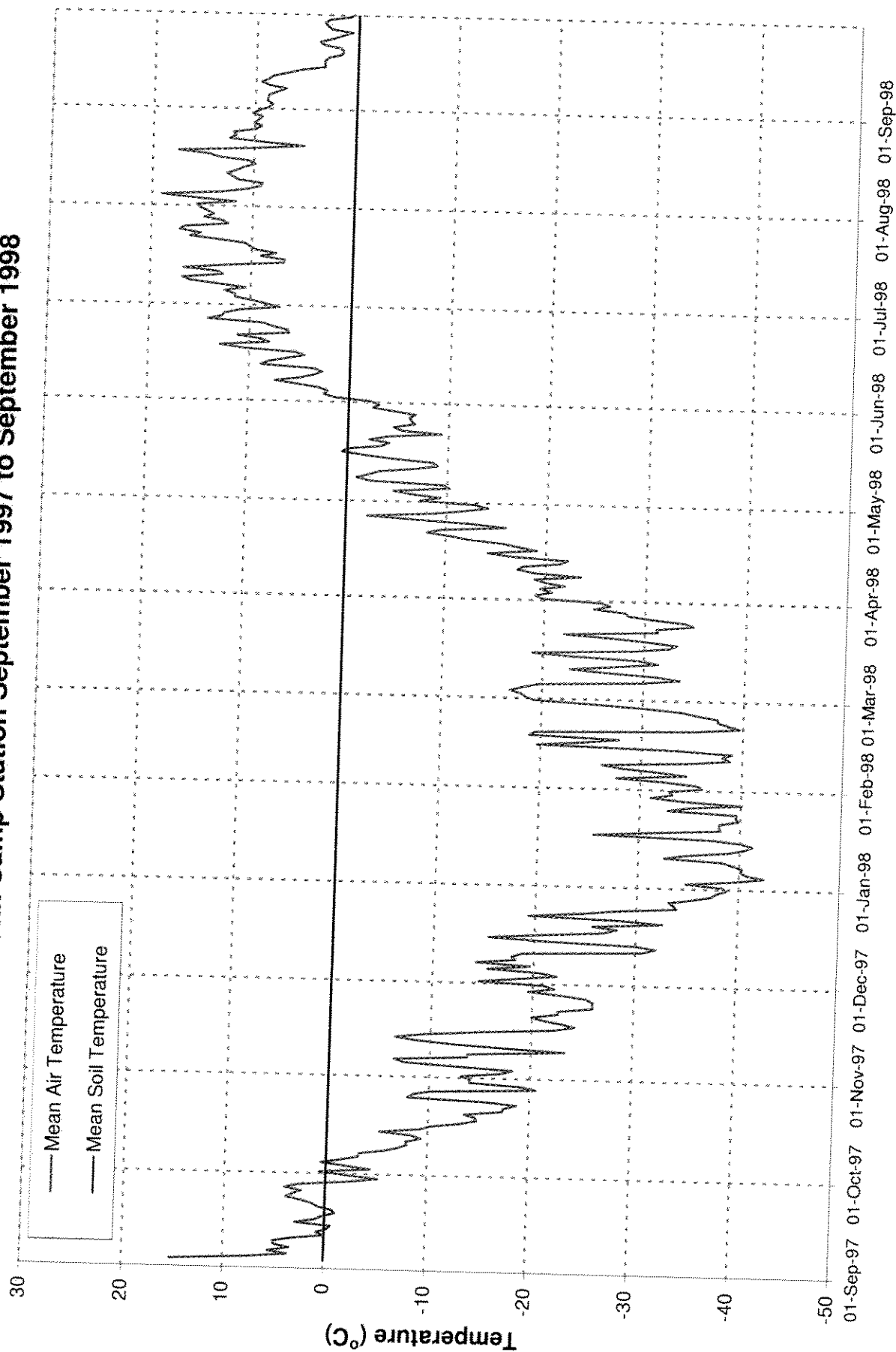
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Figure B.6.7

APPENDIX B.7

Meadowbank Camp Station Daily Mean Air and Soil Temperatures

Daily Mean Air and Soil Temperatures **Meadowbank Camp Station September 1997 to September 1998**

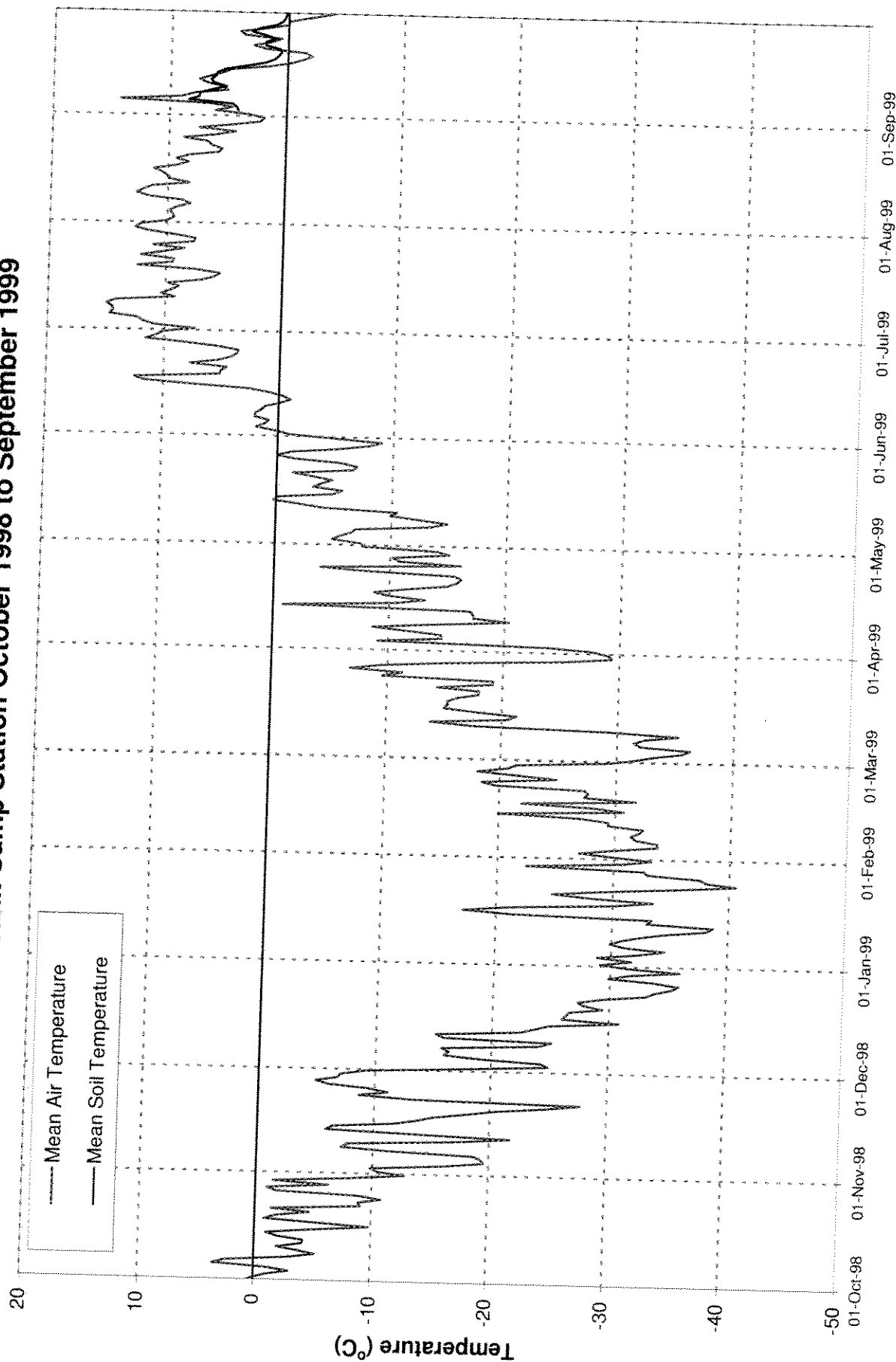


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 02/03/05

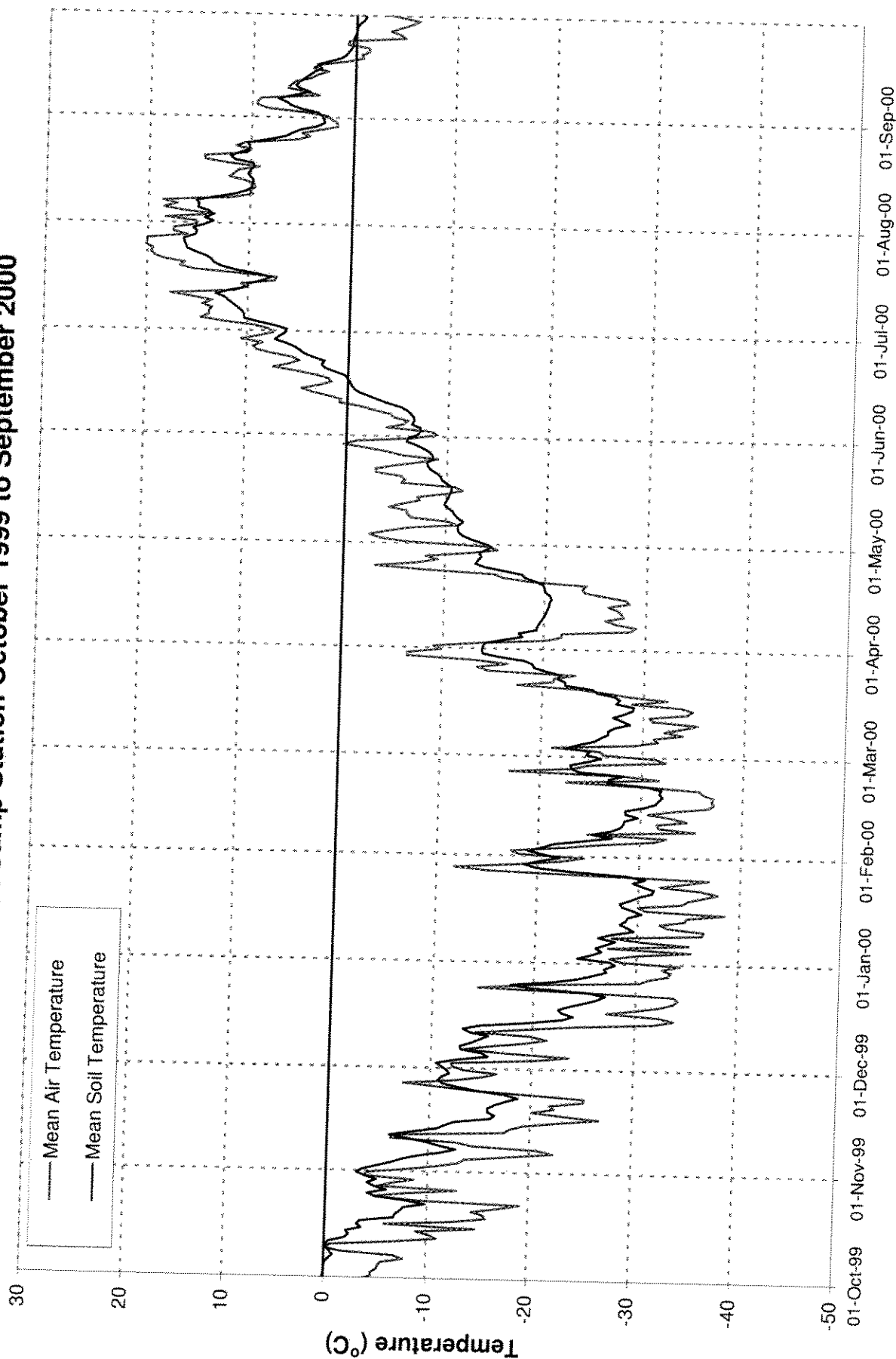
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Figure B.7.1

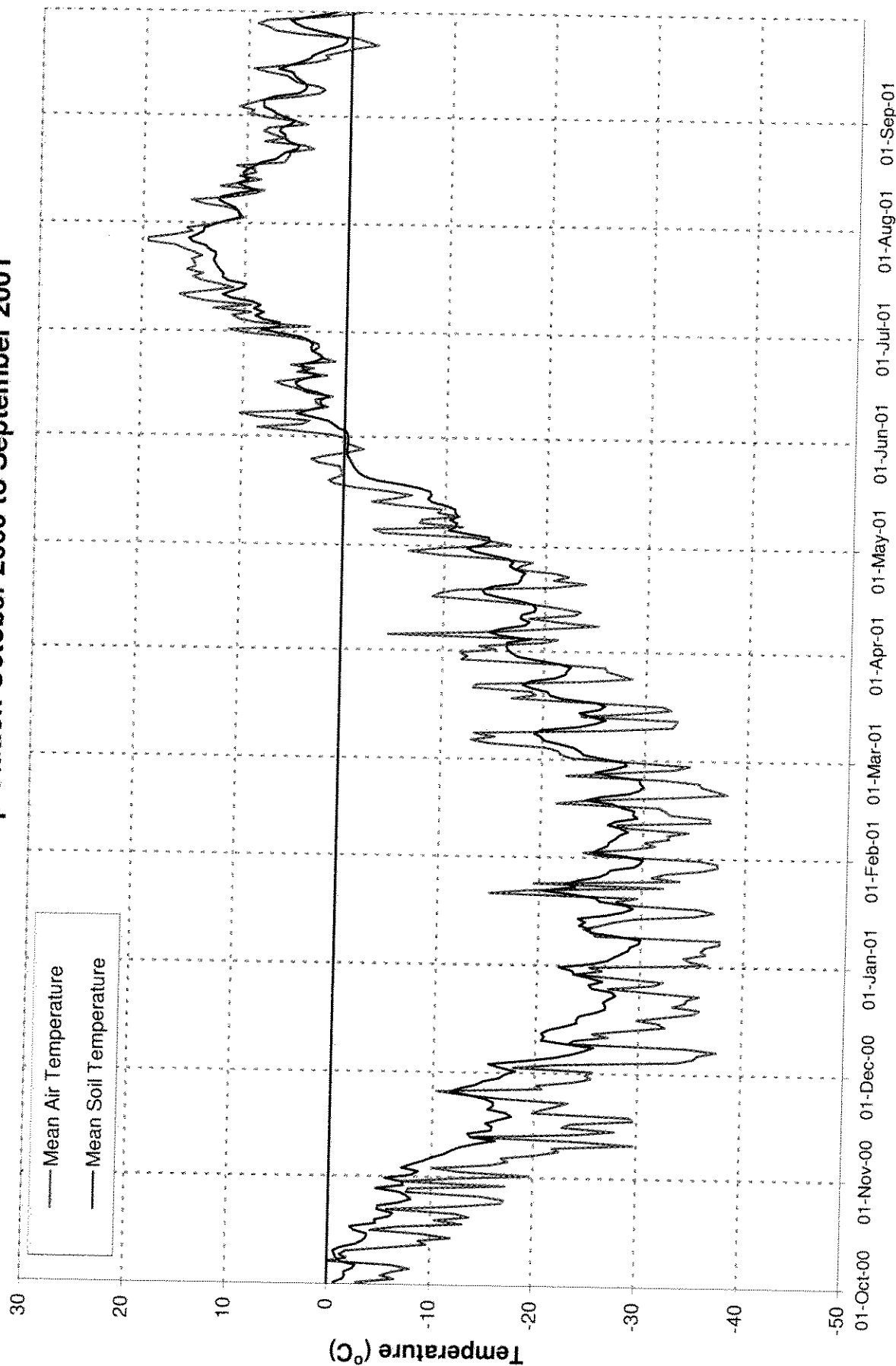
Daily Mean Air and Soil Temperatures **Meadowbank Camp Station October 1998 to September 1999**



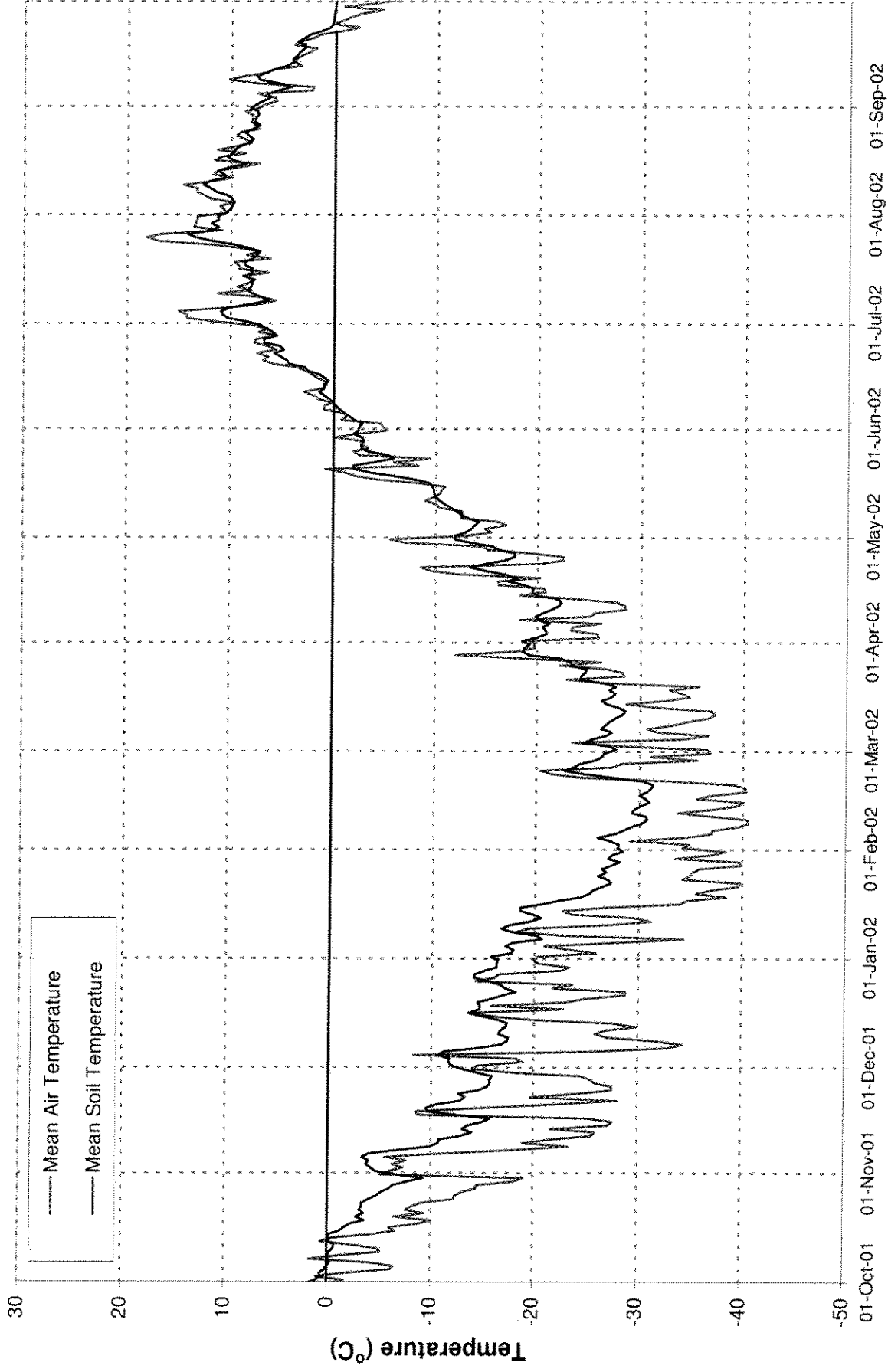
Daily Mean Air and Soil Temperatures **Meadowbank Camp Station October 1999 to September 2000**



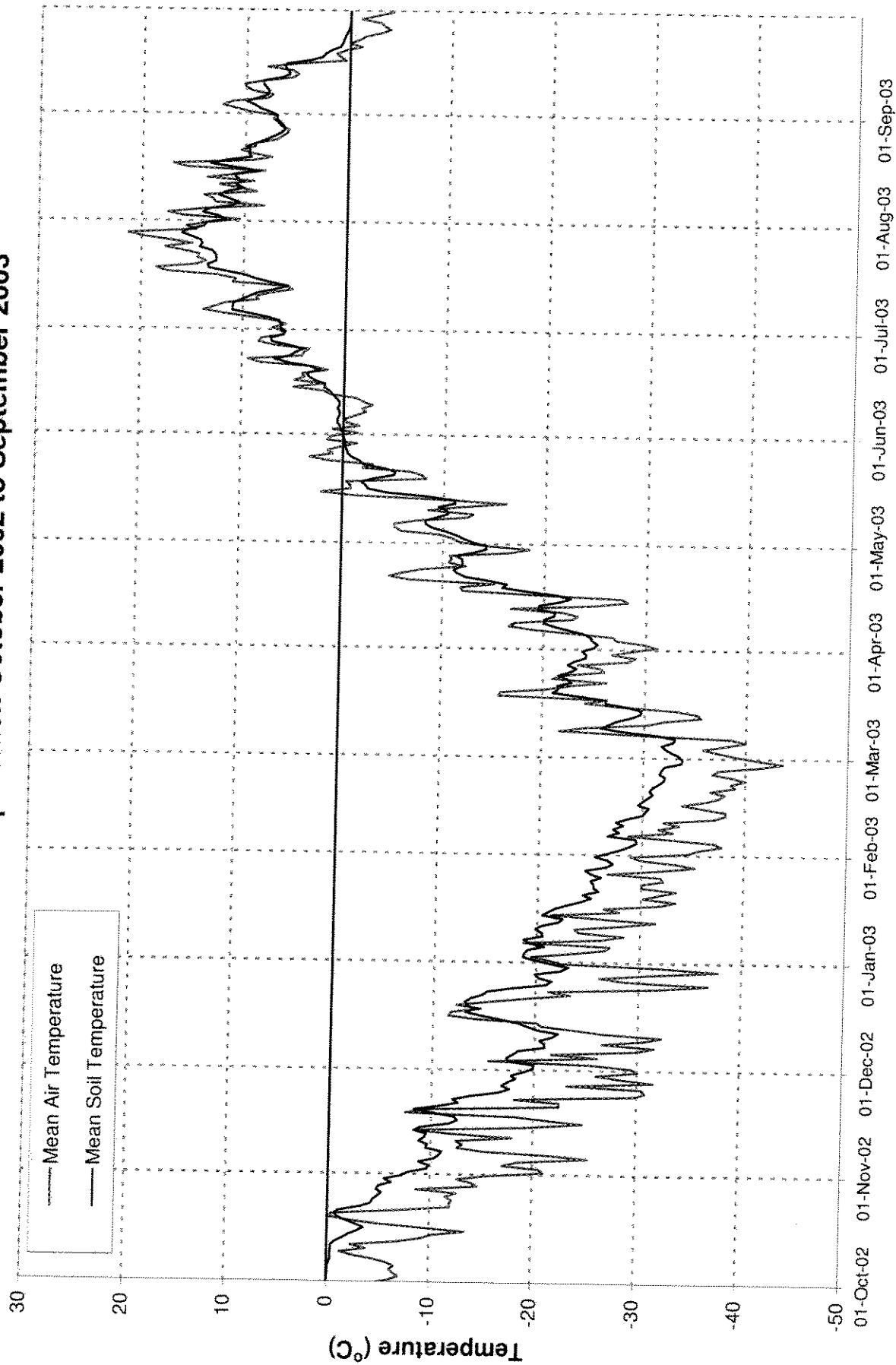
Daily Mean Air and Soil Temperatures **Meadowbank Camp Station October 2000 to September 2001**



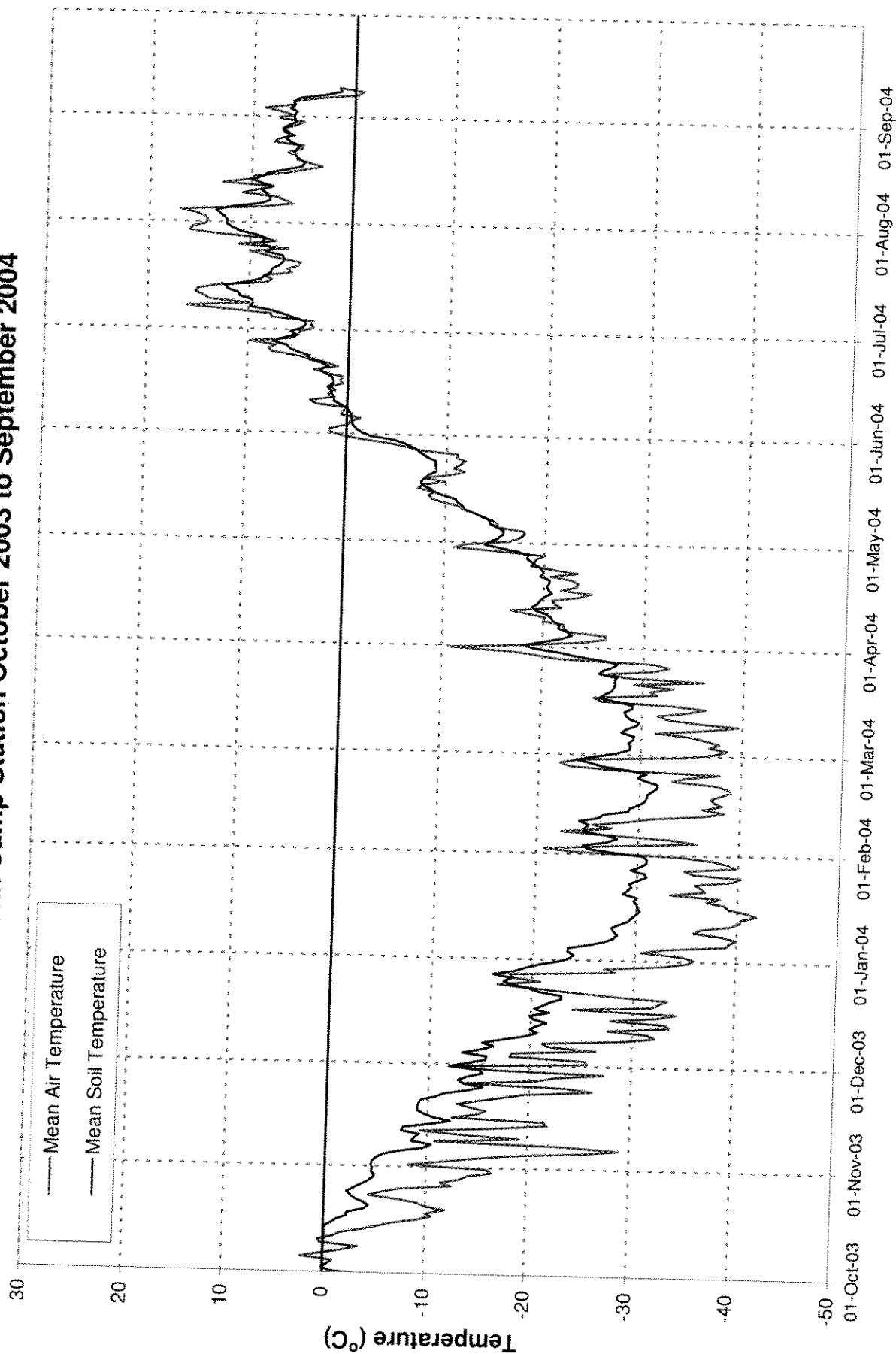
Daily Mean Air and Soil Temperatures **Meadowbank Camp Station October 2001 to September 2002**



Daily Mean Air and Soil Temperatures **Meadowbank Camp Station October 2002 to September 2003**



Daily Mean Air and Soil Temperatures **Meadowbank Camp Station October 2003 to September 2004**



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Figure B.7.7